

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051419\
 Data File : VN055595.D
 Acq On : 14 May 2019 15:51
 Operator : JC/SP
 Sample : VN0514WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0514WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/16/2019 1:32:03 PM

Quant Time: May 15 07:55:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051419W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 15 07:28:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	708848	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1218500	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1050333	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	399913	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	509587	51.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.36%	
35) Dibromofluoromethane	7.59	113	404740	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	
50) Toluene-d8	10.09	98	1563036	51.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.06%	
62) 4-Bromofluorobenzene	12.40	95	497237	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.85	85	140989	19.490	ug/l	97
3) Chloromethane	2.06	50	218711	19.434	ug/l	99
4) Vinyl Chloride	2.18	62	213784	19.490	ug/l	99
5) Bromomethane	2.55	94	131611	20.544	ug/l	95
6) Chloroethane	2.69	64	130359	19.607	ug/l	99
7) Trichlorofluoromethane	3.01	101	242929	19.870	ug/l	97
8) Diethyl Ether	3.41	74	107974	19.766	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	156477	20.331	ug/l	99
10) Methyl Iodide	3.95	142	198870	20.266	ug/l	99
11) Tert butyl alcohol	4.80	59	129666	101.922	ug/l	98
12) 1,1-Dichloroethene	3.73	96	155753	20.210	ug/l	100
13) Acrolein	3.61	56	124943	97.883	ug/l	98
14) Allyl chloride	4.32	41	301526	20.308	ug/l	99
15) Acrylonitrile	4.99	53	437199	102.338	ug/l	98
16) Acetone	3.82	43	378531	83.580	ug/l	99
17) Carbon Disulfide	4.04	76	437416	19.807	ug/l	100
18) Methyl Acetate	4.33	43	185353	20.929	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	501012	20.824	ug/l	99
20) Methylene Chloride	4.55	84	190260	19.960	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	170104	20.306	ug/l	98
22) Diisopropyl ether	5.96	45	613981	20.588	ug/l	99
23) Vinyl Acetate	5.90	43	2350721	105.201	ug/l	100
24) 1,1-Dichloroethane	5.84	63	334334	20.186	ug/l	99
25) 2-Butanone	6.84	43	570039	96.036	ug/l	99
26) 2,2-Dichloropropane	6.82	77	215423	20.138	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	196501	20.248	ug/l	100
28) Bromochloromethane	7.19	49	169563	21.078	ug/l	98
29) Tetrahydrofuran	7.21	42	390963	101.601	ug/l	100
30) Chloroform	7.37	83	314526	20.292	ug/l	100
31) Cyclohexane	7.65	56	329355	19.983	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	244418	20.365	ug/l	100
36) 1,1-Dichloropropene	7.79	75	241616	19.944	ug/l	99
37) Ethyl Acetate	6.93	43	231676	20.410	ug/l	99
38) Carbon Tetrachloride	7.77	117	201153	20.000	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051419\
 Data File : VN055595.D
 Acq On : 14 May 2019 15:51
 Operator : JC/SP
 Sample : VN0514WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0514WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/16/2019 1:32:03 PM

Quant Time: May 15 07:55:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051419W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 15 07:28:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	285939	20.042	ug/l	99
40) Benzene	8.04	78	744512	20.124	ug/l	100
41) Methacrylonitrile	7.17	41	104514	20.199	ug/l	91
42) 1,2-Dichloroethane	8.12	62	248037	20.103	ug/l	99
43) Isopropyl Acetate	8.17	43	361640	20.314	ug/l	99
44) Trichloroethene	8.83	130	176982	19.891	ug/l	100
45) 1,2-Dichloropropane	9.12	63	206072	20.209	ug/l	98
46) Dibromomethane	9.21	93	121267	20.136	ug/l	99
47) Bromodichloromethane	9.40	83	232636	20.265	ug/l	99
48) Methyl methacrylate	9.20	41	171502	19.721	ug/l	98
49) 1,4-Dioxane	9.20	88	66458	418.139	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1131130	101.126	ug/l	100
52) Toluene	10.16	92	428401	20.211	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	227484	20.670	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	273354	20.685	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	168390	19.871	ug/l	96
56) Ethyl methacrylate	10.43	69	246211	20.849	ug/l	99
57) 1,3-Dichloropropane	10.71	76	302087	20.621	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	291658	88.460	ug/l	100
59) 2-Hexanone	10.75	43	792641	102.724	ug/l	100
60) Dibromochloromethane	10.90	129	158377	20.546	ug/l	100
61) 1,2-Dibromoethane	11.00	107	163877	20.468	ug/l	99
64) Tetrachloroethene	10.63	164	163618	19.502	ug/l	99
65) Chlorobenzene	11.43	112	443192	20.334	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	153158	20.499	ug/l	99
67) Ethyl Benzene	11.51	91	793142	20.289	ug/l	100
68) m/p-Xylenes	11.62	106	585805	40.998	ug/l	99
69) o-Xylene	11.95	106	289189	20.797	ug/l	100
70) Styrene	11.96	104	464199	20.992	ug/l	99
71) Bromoform	12.13	173	98635	20.253	ug/l #	99
73) Isopropylbenzene	12.25	105	760940	19.470	ug/l	99
74) N-amyl acetate	12.07	43	278343	20.181	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	237443	21.955	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	205952m	20.814	ug/l	
77) Bromobenzene	12.53	156	176274	21.549	ug/l	100
78) n-propylbenzene	12.59	91	840935	20.181	ug/l	100
79) 2-Chlorotoluene	12.67	91	519648	19.605	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	622143	20.139	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	56674	20.373	ug/l	100
82) 4-Chlorotoluene	12.77	91	495029	20.105	ug/l	100
83) tert-Butylbenzene	12.99	119	542273	20.222	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	585204	20.512	ug/l	99
85) sec-Butylbenzene	13.17	105	688824	19.945	ug/l	100
86) p-Isopropyltoluene	13.29	119	568922	20.316	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	283132	20.457	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	268437	19.713	ug/l	98
89) n-Butylbenzene	13.61	91	423316	20.489	ug/l	99
90) Hexachloroethane	13.87	117	91813	20.537	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	284349	20.558	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	33791	20.246	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051419\
Data File : VN055595.D
Acq On : 14 May 2019 15:51
Operator : JC/SP
Sample : VN0514WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0514WBS01

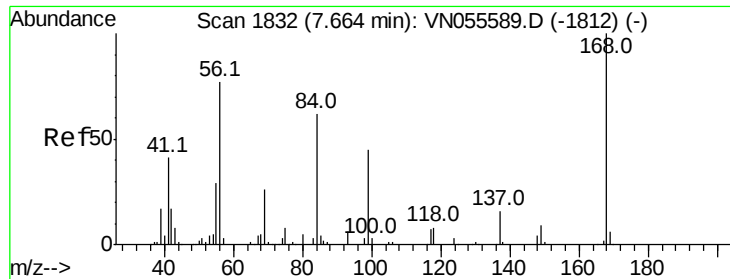
Manual Integrations
APPROVED

MMDadoda
5/16/2019 1:32:03 PM

Quant Time: May 15 07:55:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051419W.M
Quant Title : SW846 8260
QLast Update : Wed May 15 07:28:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	99839	19.904	ug/l	98
94) Hexachlorobutadiene	15.01	225	89372	22.263	ug/l	99
95) Naphthalene	15.13	128	295267	21.501	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	110325	20.207	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

Instrument :

MSVOA_N

ClientSampleId :

VN0514WBS01

Tot Ion:168 Resp: 708848

Ion Ratio Lower Upper

168 100

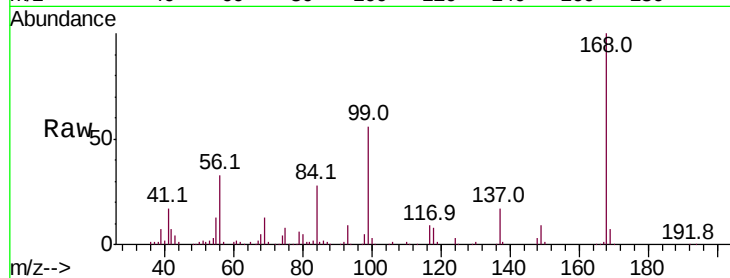
99 55.1 44.6 66.8

Manual Integrations

APPROVED

MMDadoda

5/16/2019 1:32:03 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNC

7.66

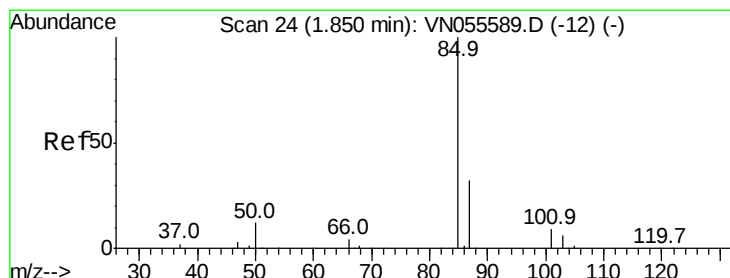
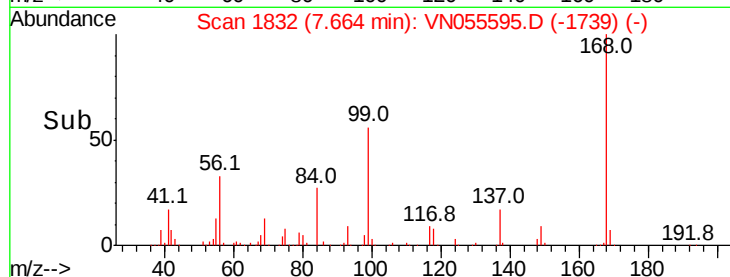
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.490 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055595.D

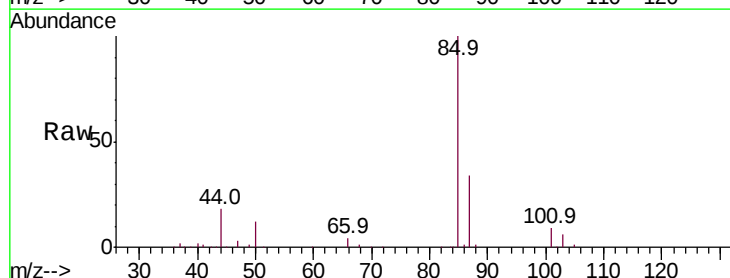
Acq: 14 May 2019 15:51

Tgt Ion: 85 Resp: 140989

Ion Ratio Lower Upper

85 100

87 33.8 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNC

Ion 86.90 (86.60 to 87.60): VNC

1.85

120000

100000

80000

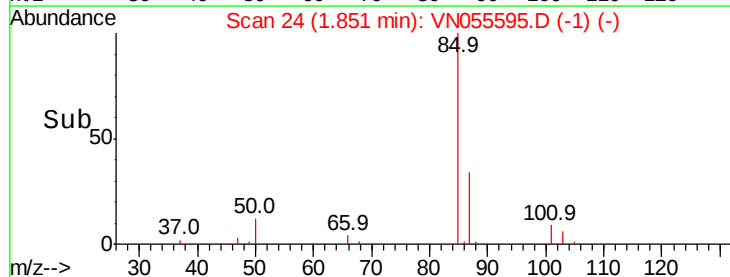
60000

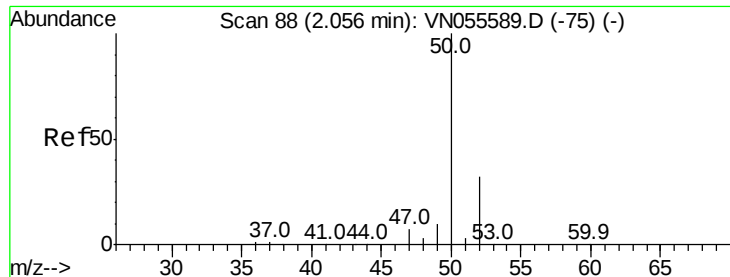
40000

20000

0

Time-->





#3

Chloromethane

Concen: 19.434 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

Instrument :

MSVOA_N

ClientSampleId :

VN0514WBS01

Tot Ion: 50 Resp: 218711

Ion Ratio Lower Upper

50 100

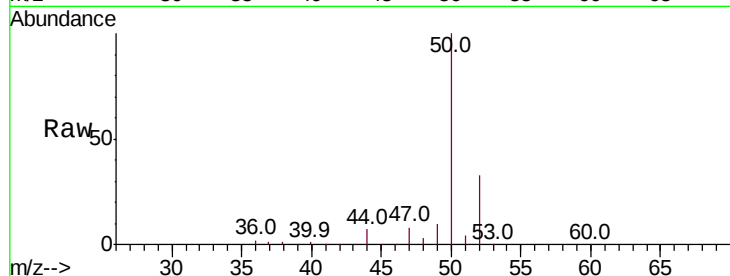
52 32.7 25.5 38.3

Manual Integrations

APPROVED

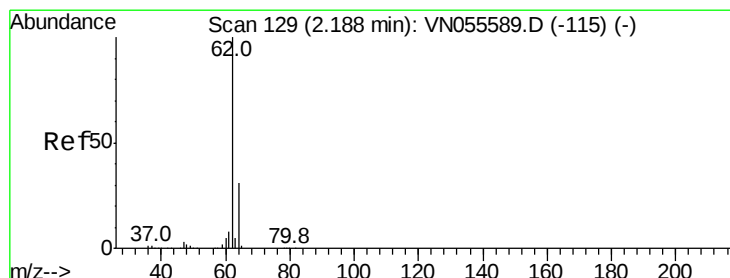
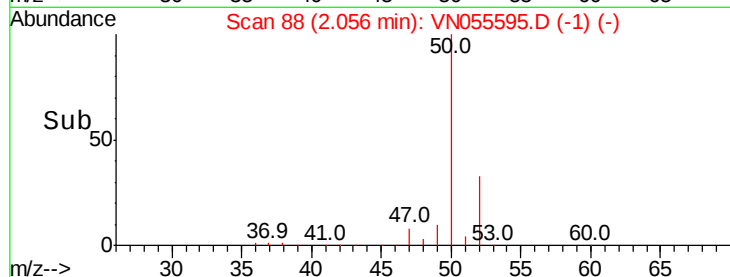
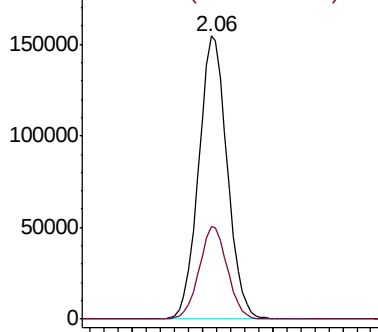
MMDadoda

5/16/2019 1:32:03 PM



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 19.490 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN055595.D

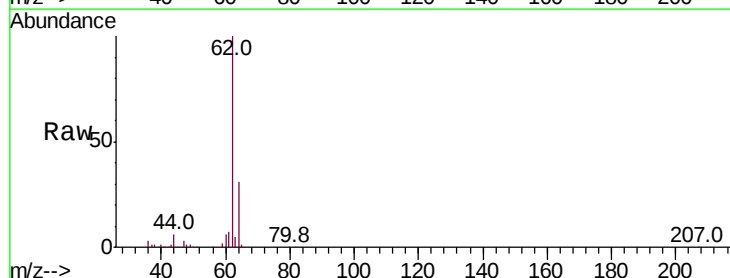
Acq: 14 May 2019 15:51

Tgt Ion: 62 Resp: 213784

Ion Ratio Lower Upper

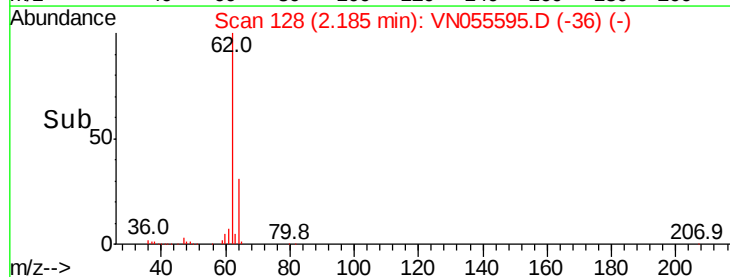
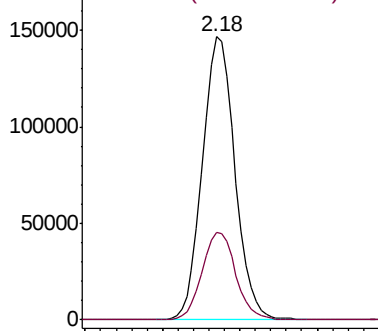
62 100

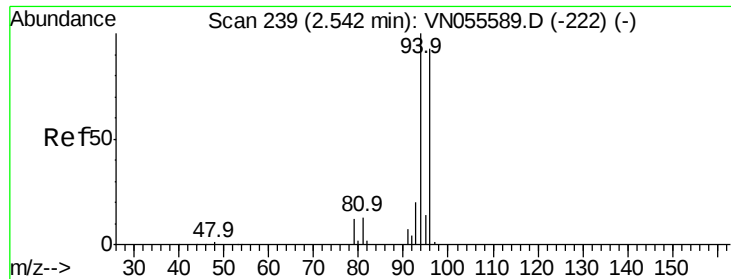
64 30.7 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 20.544 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

Instrument :

MSVOA_N

ClientSampleId :

VN0514WBS01

Tot Ion: 94 Resp: 131611

Ion Ratio Lower Upper

94 100

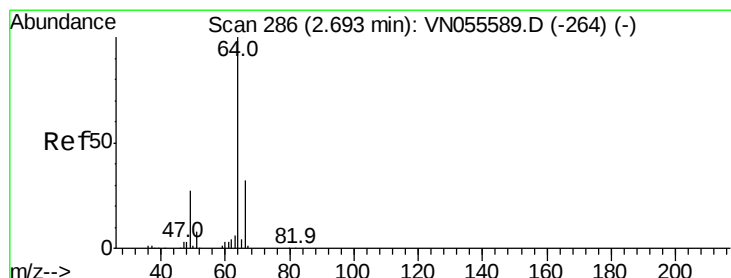
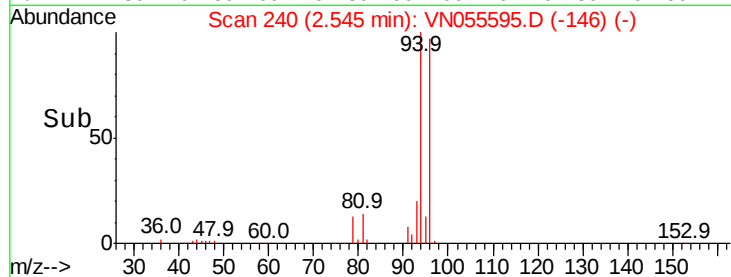
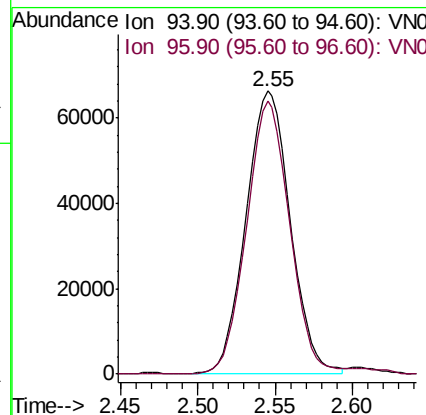
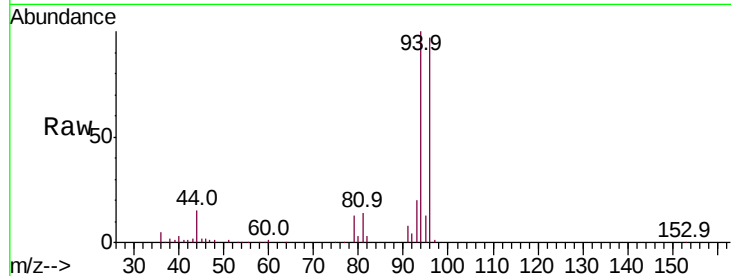
96 96.9 74.0 111.0

Manual Integrations

APPROVED

MMDadoda

5/16/2019 1:32:03 PM



#6

Chloroethane

Concen: 19.607 ug/l

RT: 2.69 min Scan# 286

Delta R.T. 0.00 min

Lab File: VN055595.D

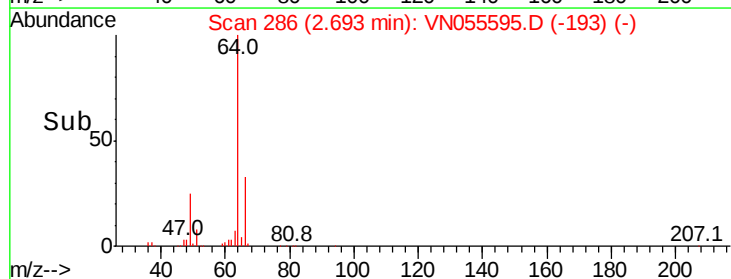
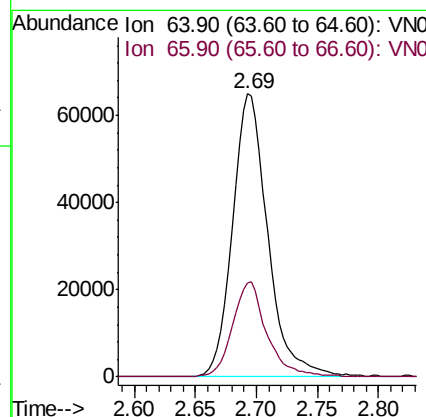
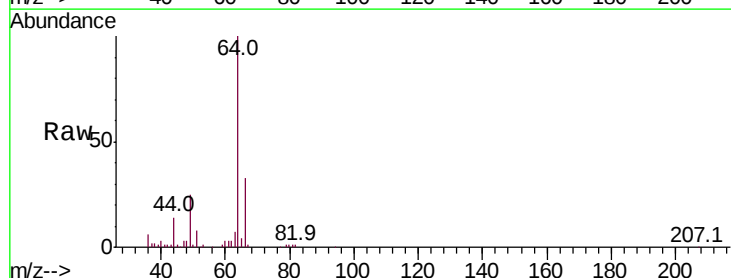
Acq: 14 May 2019 15:51

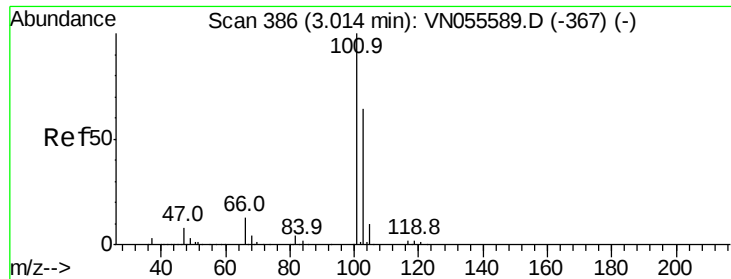
Tgt Ion: 64 Resp: 130359

Ion Ratio Lower Upper

64 100

66 32.9 25.8 38.6





#7

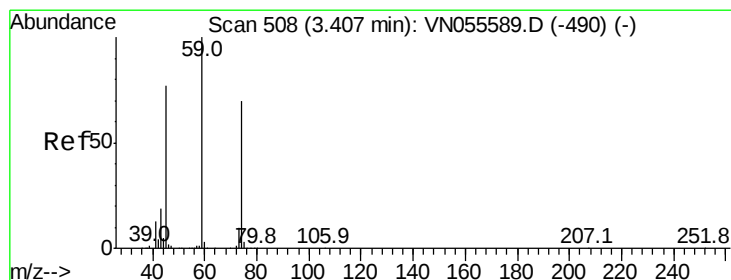
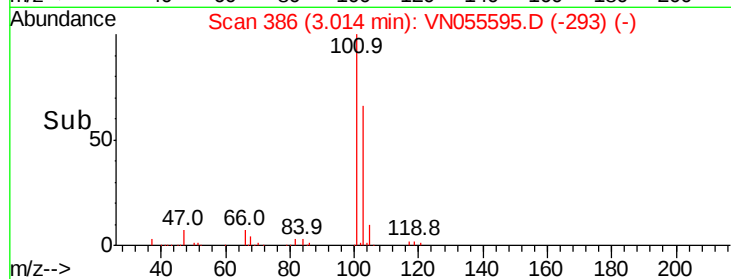
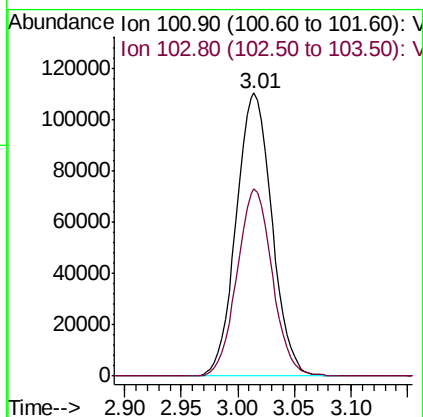
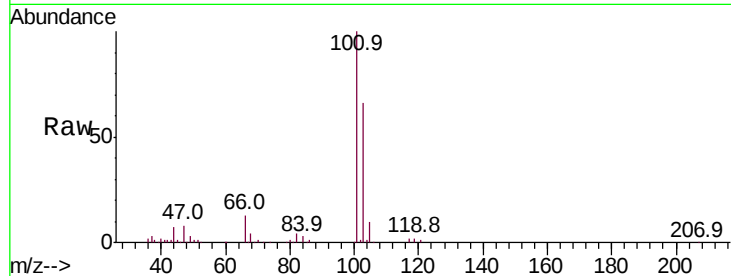
Trichlorofluoromethane
 Concen: 19.870 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: VN055595.D
 Acq: 14 May 2019 15:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0514WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.4	51.0	76.6

Manual Integrations
 APPROVED

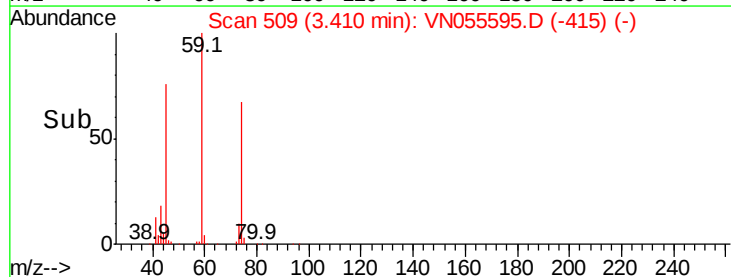
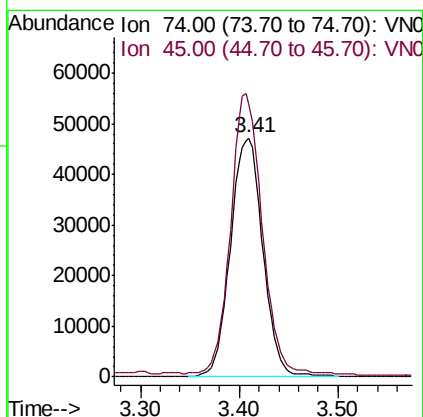
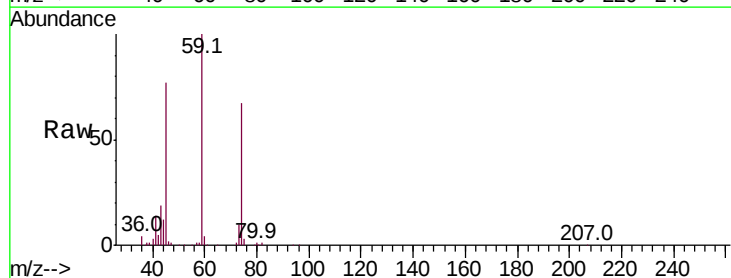
MMDadoda
 5/16/2019 1:32:03 PM

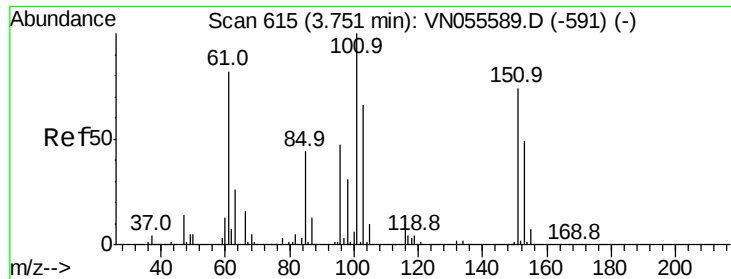


#8

Diethyl Ether
 Concen: 19.766 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN055595.D
 Acq: 14 May 2019 15:51

Tgt Ion	Ratio	Lower	Upper
74	100		
45	112.4	54.9	164.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.331 ug/l

RT: 3.75 min Scan# 614

Delta R.T. -0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

Instrument :

MSVOA_N

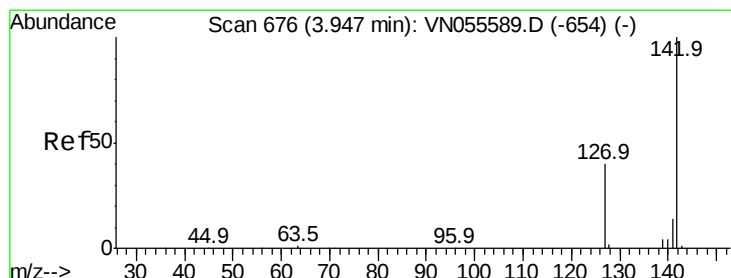
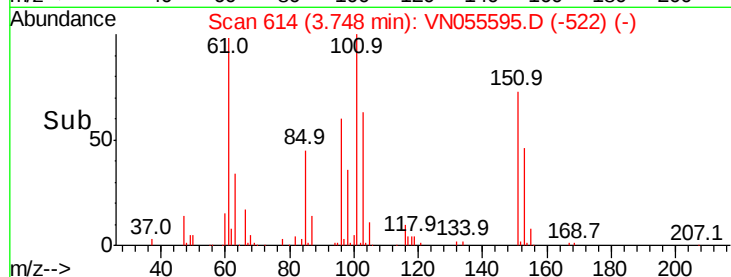
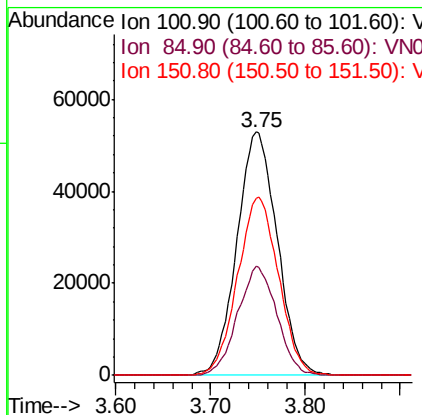
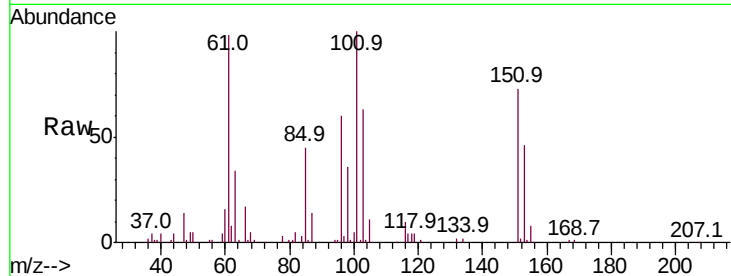
ClientSampleId :

VN0514WBS01

Tot Ion:	101	Resp:	156477
Ion Ratio	Lower	Upper	
101	100		
85	43.3	34.2	51.2
151	74.3	60.2	90.2

Manual Integrations
APPROVED

MMDadoda
5/16/2019 1:32:03 PM



#10

Methyl Iodide

Concen: 20.266 ug/l

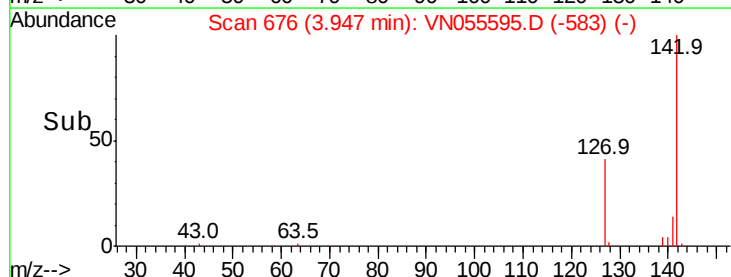
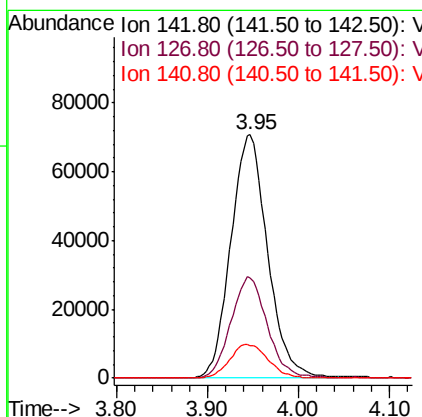
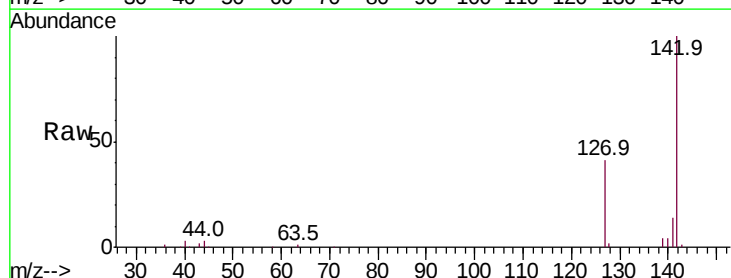
RT: 3.95 min Scan# 676

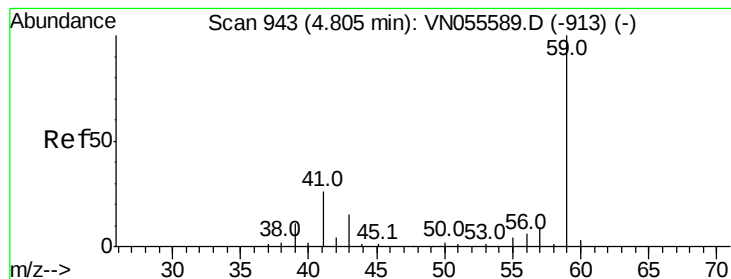
Delta R.T. 0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

Tgt Ion:	142	Resp:	198870
Ion Ratio	Lower	Upper	
142	100		
127	41.1	32.5	48.7
141	14.5	11.2	16.8





#11

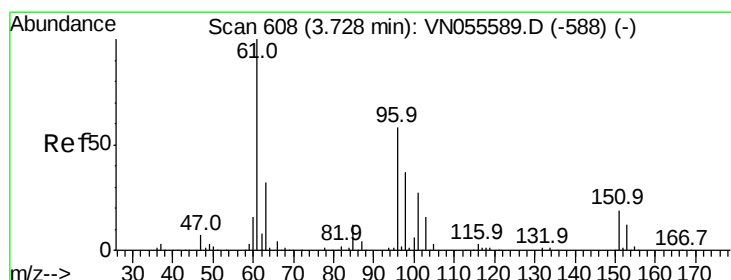
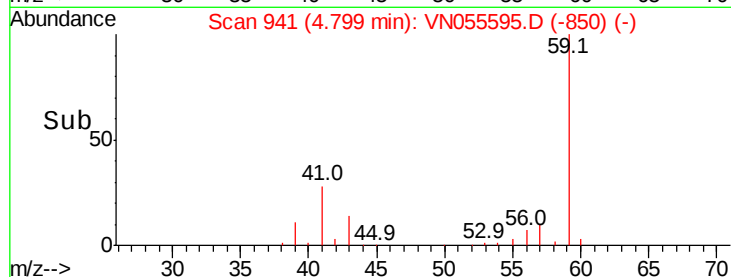
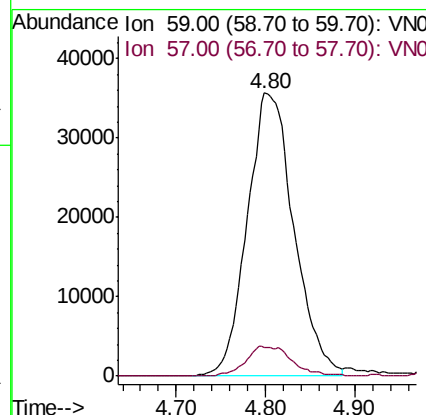
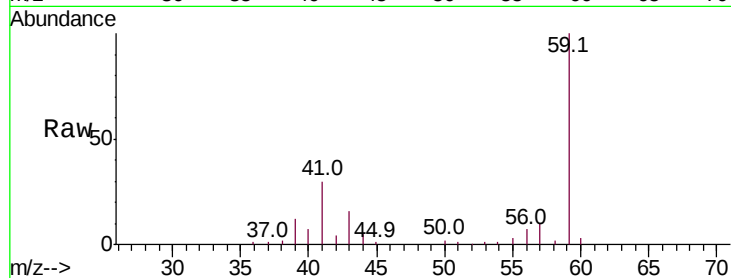
Tert butyl alcohol
Concen: 101.922 ug/l
RT: 4.80 min Scan# 941
Delta R.T. -0.01 min
Lab File: VN055595.D
Acq: 14 May 2019 15:51

Instrument :
MSVOA_N
ClientSampleId :
VN0514WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	7.6	11.4

Manual Integrations
APPROVED

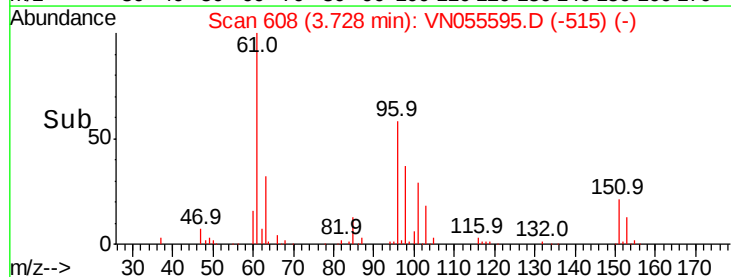
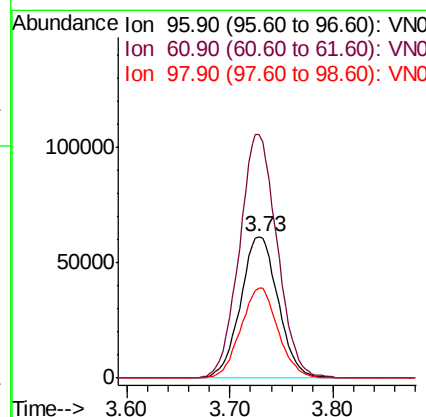
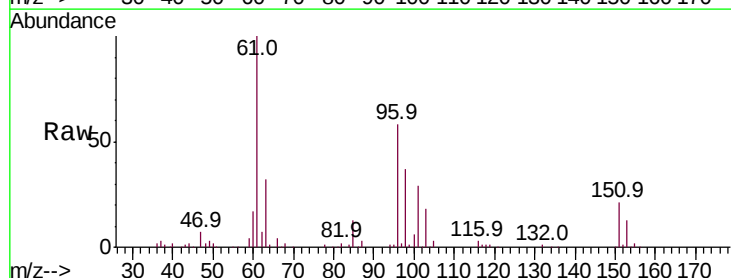
MMDadoda
5/16/2019 1:32:03 PM

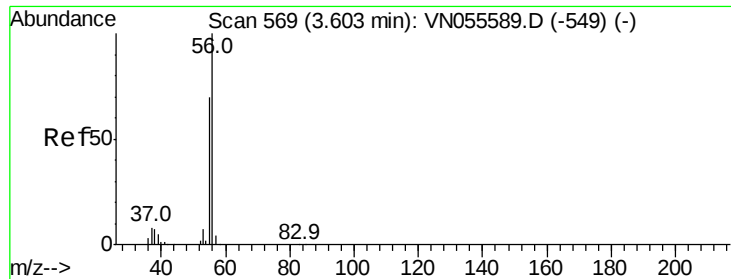


#12

1,1-Dichloroethene
Concen: 20.210 ug/l
RT: 3.73 min Scan# 608
Delta R.T. 0.00 min
Lab File: VN055595.D
Acq: 14 May 2019 15:51

Tgt Ion	Ratio	Lower	Upper
96	100		
61	172.0	137.5	206.3
98	63.9	50.3	75.5





#13

Acrolein

Concen: 97.883 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

Instrument :

MSVOA_N

ClientSampleId :

VN0514WBS01

Tot Ion: 56 Resp: 124943

Ion Ratio Lower Upper

56 100

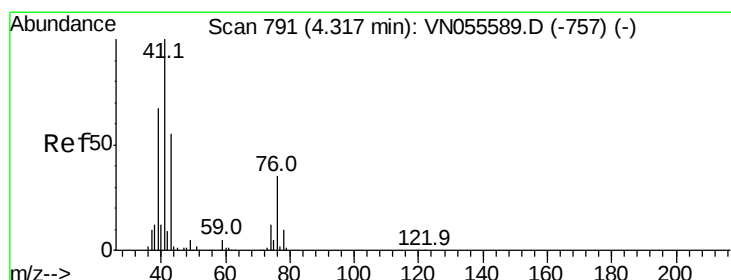
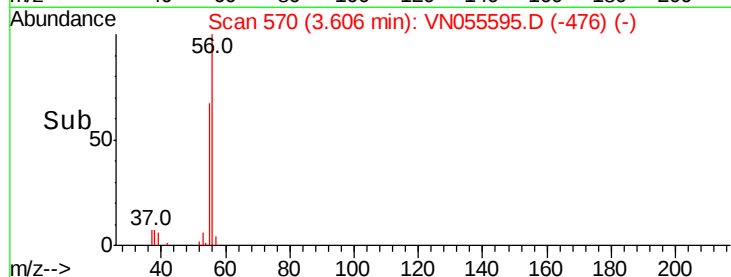
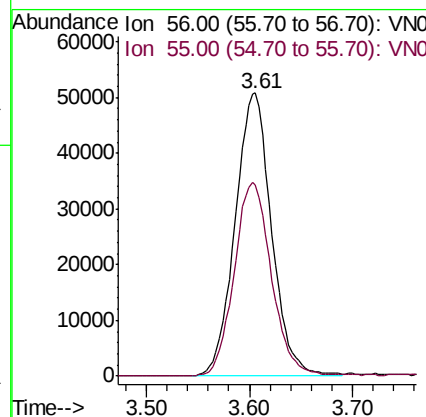
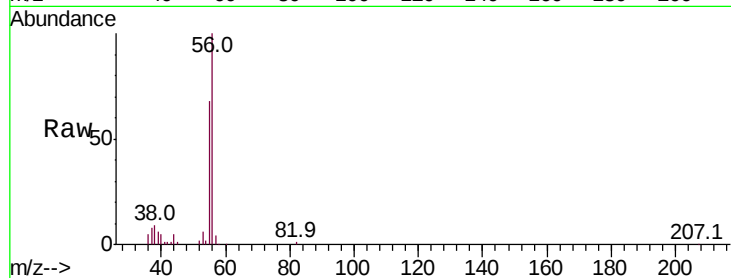
55 69.7 57.1 85.7

Manual Integrations

APPROVED

MMDadoda

5/16/2019 1:32:03 PM



#14

Allyl chloride

Concen: 20.308 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

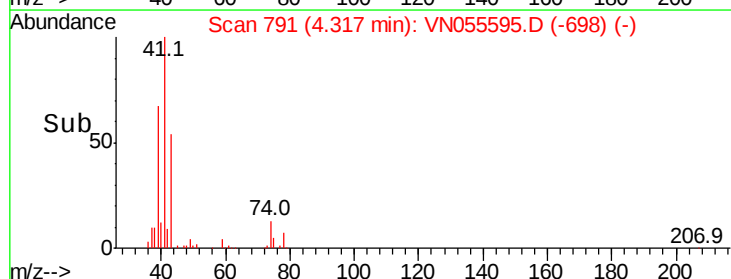
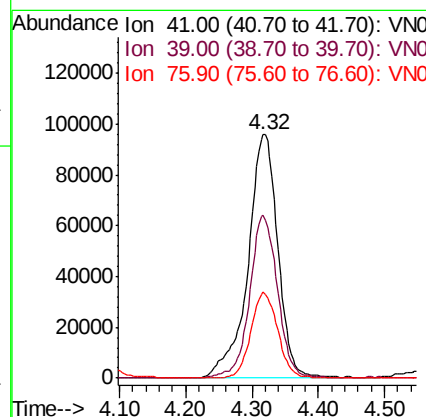
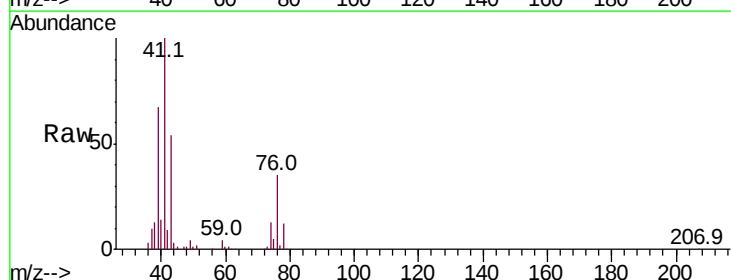
Tgt Ion: 41 Resp: 301526

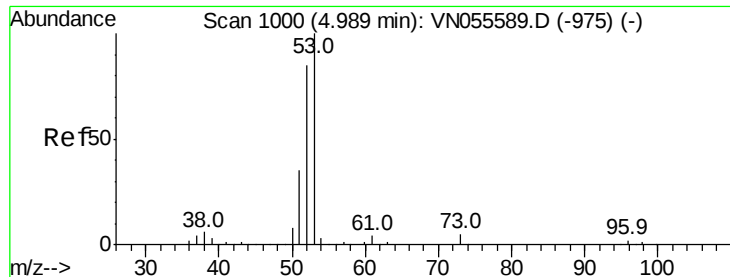
Ion Ratio Lower Upper

41 100

39 62.1 49.3 73.9

76 31.5 24.7 37.1





#15

Acrylonitrile

Concen: 102.338 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

Instrument :

MSVOA_N

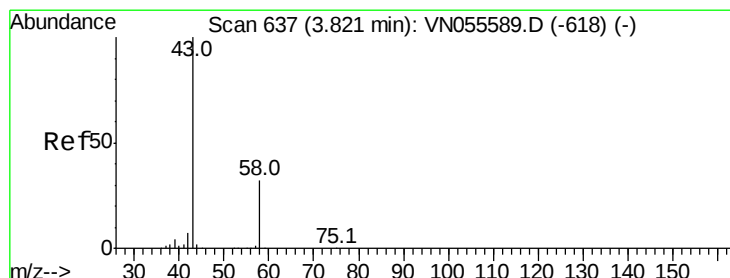
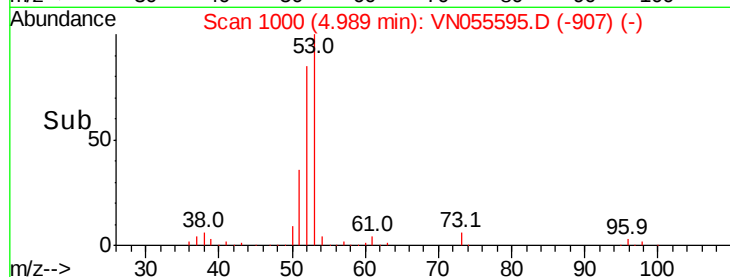
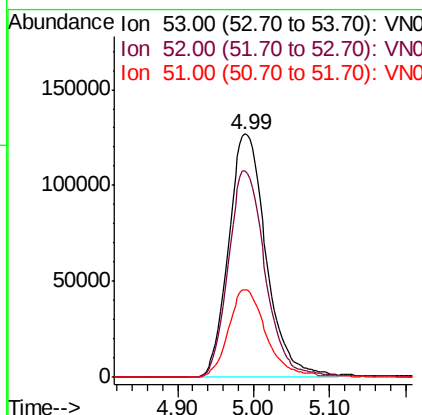
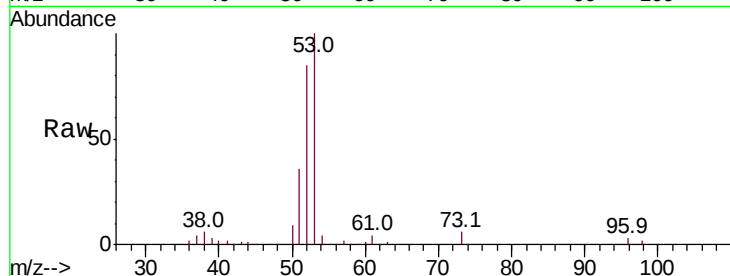
ClientSampleId :

VN0514WBS01

Tot Ion:	53	Resp:	437199
Ion	Ratio	Lower	Upper
53	100		
52	83.6	65.6	98.4
51	36.3	28.3	42.5

Manual Integrations
APPROVED

MMDadoda
5/16/2019 1:32:03 PM



#16

Acetone

Concen: 83.580 ug/l

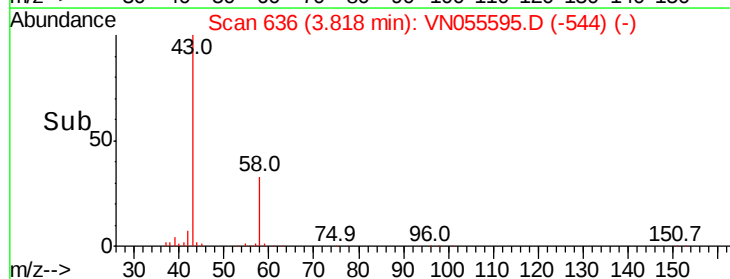
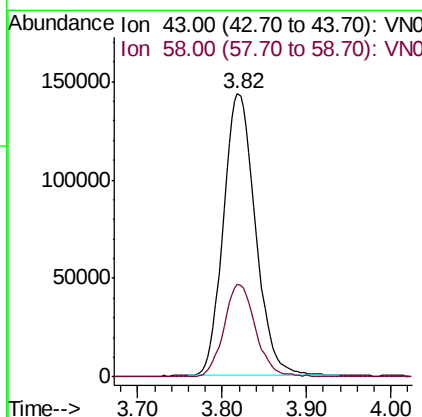
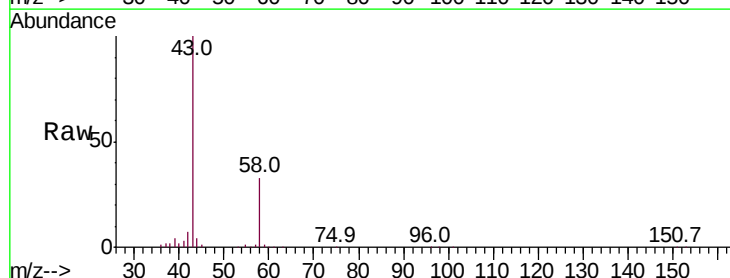
RT: 3.82 min Scan# 636

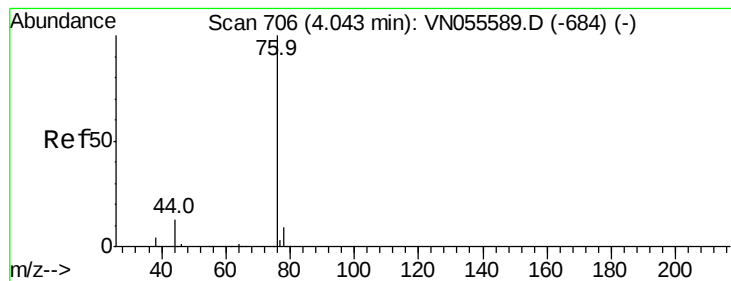
Delta R.T. -0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

Tgt Ion:	43	Resp:	378531
Ion	Ratio	Lower	Upper
43	100		
58	32.8	25.7	38.5





#17

Carbon Disulfide

Concen: 19.807 ug/l

RT: 4.04 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

Instrument :

MSVOA_N

ClientSampleId :

VN0514WBS01

Tot Ion: 76 Resp: 437416

Ion Ratio Lower Upper

76 100

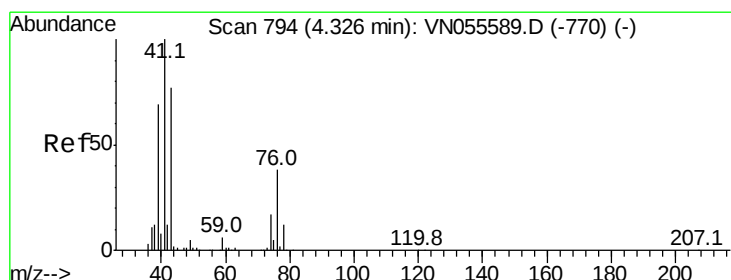
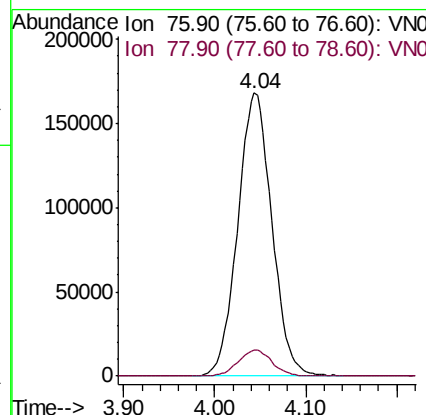
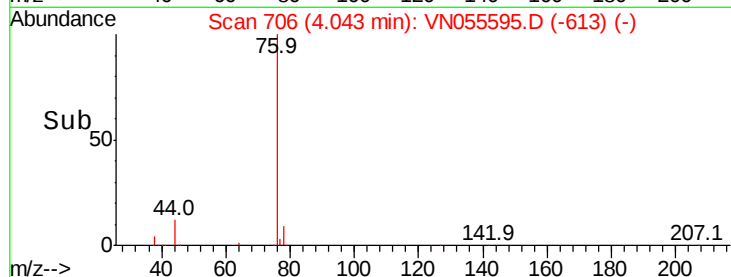
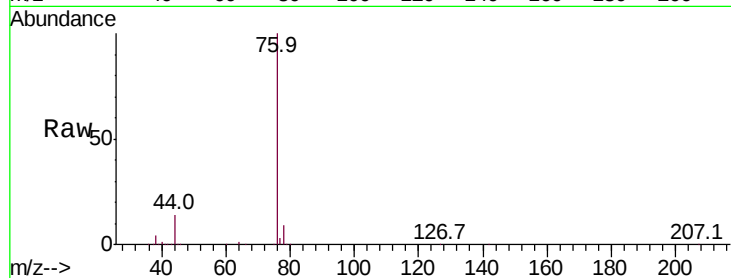
78 9.4 7.4 11.0

Manual Integrations

APPROVED

MMDadoda

5/16/2019 1:32:03 PM



#18

Methyl Acetate

Concen: 20.929 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055595.D

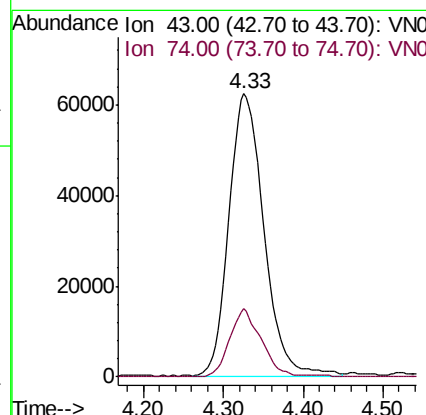
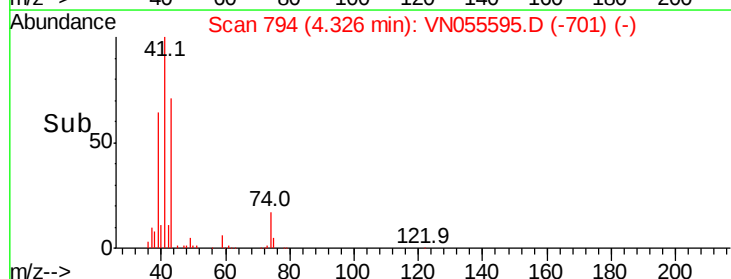
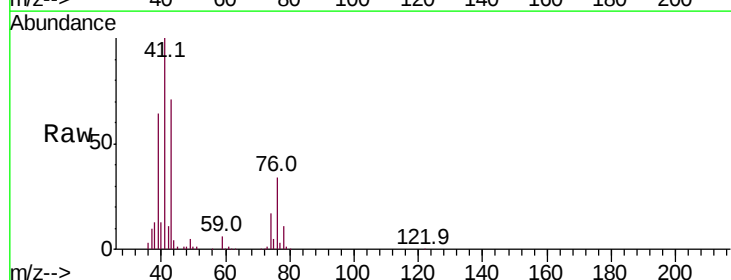
Acq: 14 May 2019 15:51

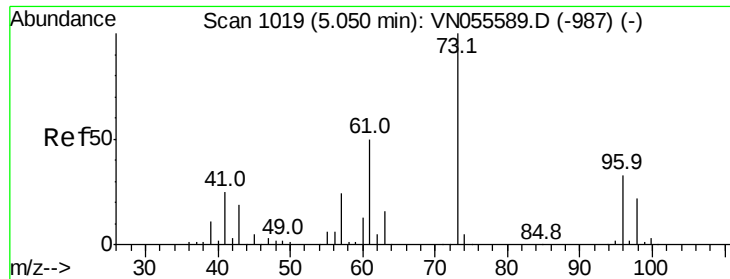
Tgt Ion: 43 Resp: 185353

Ion Ratio Lower Upper

43 100

74 22.1 17.4 26.2





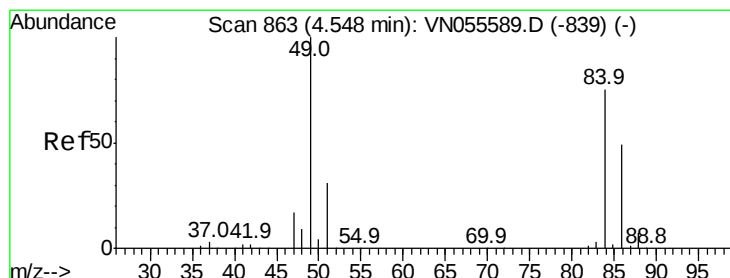
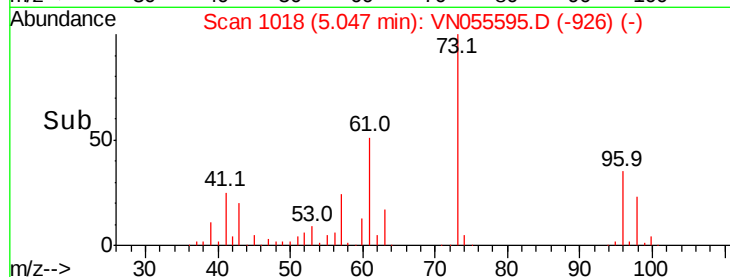
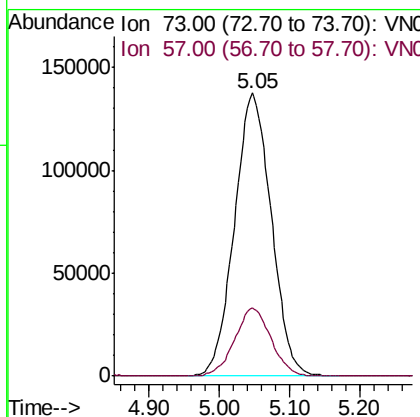
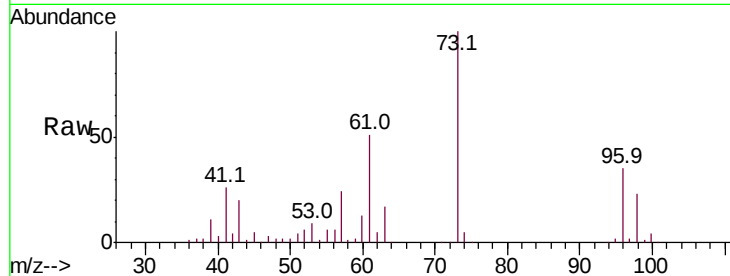
#19
Methvl tert-butvl Ether
Concen: 20.824 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN055595.D
Acq: 14 May 2019 15:51

Instrument :
MSVOA_N
ClientSampleId :
VN0514WBS01

Tot Ion: 73 Resp: 501012
Ion Ratio Lower Upper
73 100
57 23.9 18.9 28.3

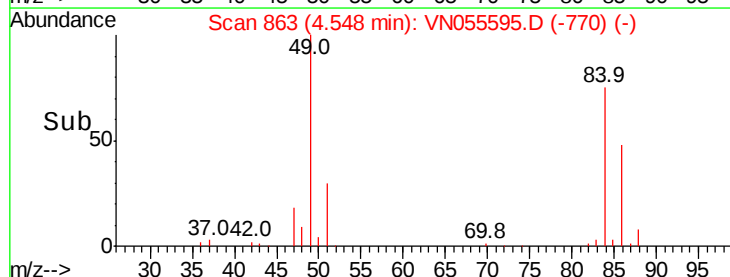
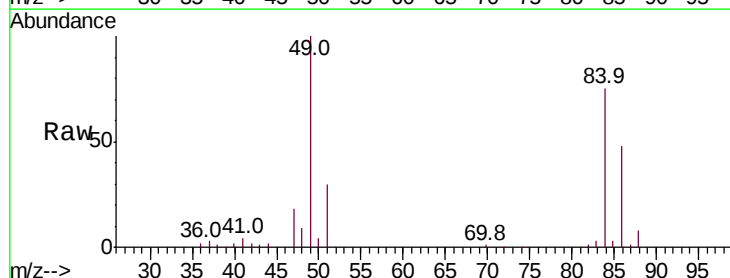
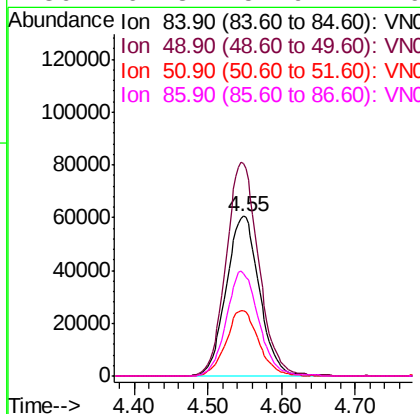
Manual Integrations
APPROVED

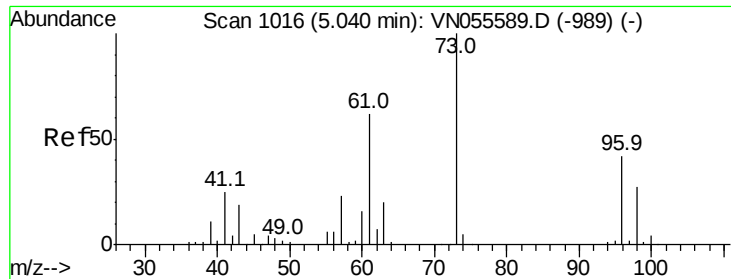
MMDadoda
5/16/2019 1:32:03 PM



#20
Methylene Chloride
Concen: 19.960 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN055595.D
Acq: 14 May 2019 15:51

Tgt Ion: 84 Resp: 190260
Ion Ratio Lower Upper
84 100
49 133.5 106.2 159.2
51 40.7 32.7 49.1
86 64.3 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 20.306 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

Instrument :

MSVOA_N

ClientSampleId :

VN0514WBS01

Tot Ion: 96 Resp: 170104

Ion Ratio Lower Upper

96 100

61 147.4 117.8 176.6

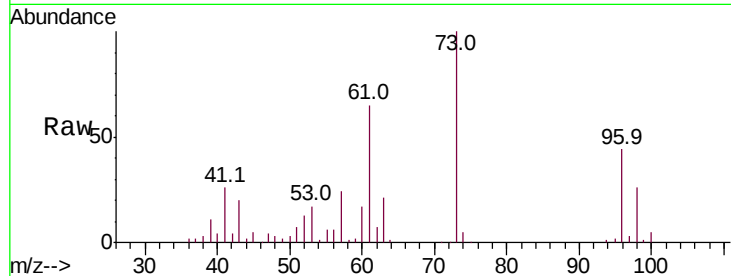
98 59.4 51.4 77.2

Manual Integrations

APPROVED

MMDadoda

5/16/2019 1:32:03 PM

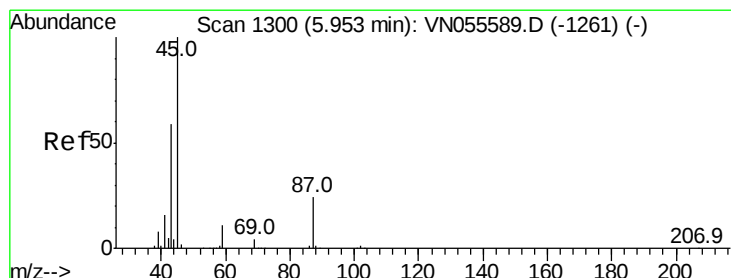
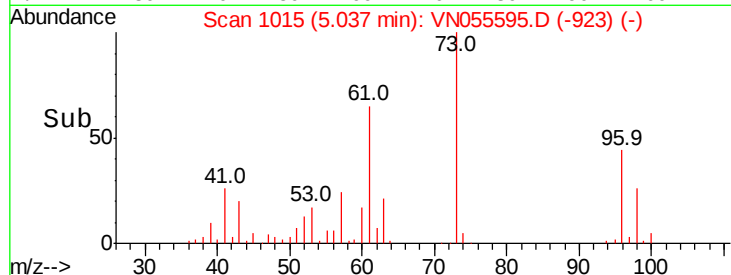
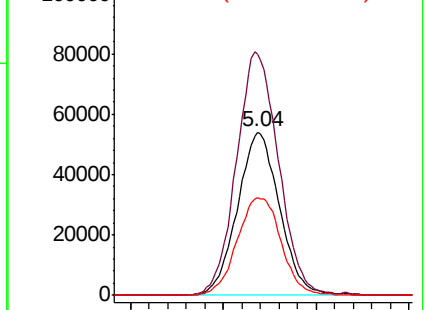


Abundance

Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 20.588 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

Tgt Ion: 45 Resp: 613981

Ion Ratio Lower Upper

45 100

43 58.0 47.1 70.7

87 24.9 19.5 29.3

59 11.1 9.0 13.4

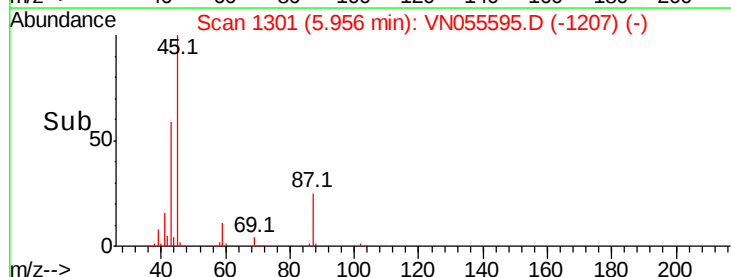
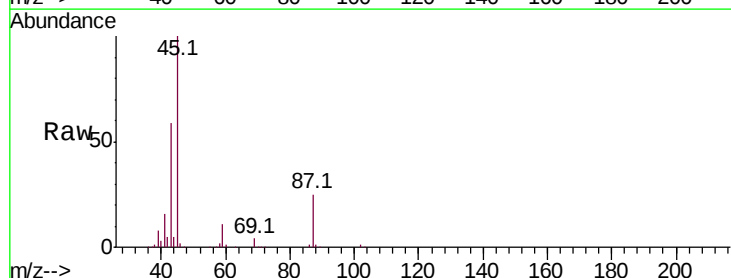
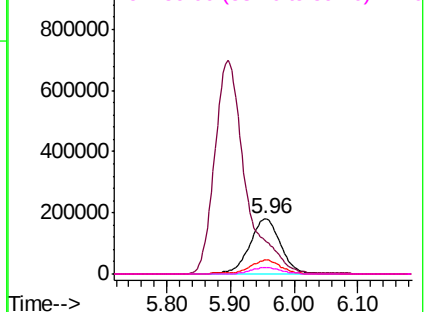
Abundance

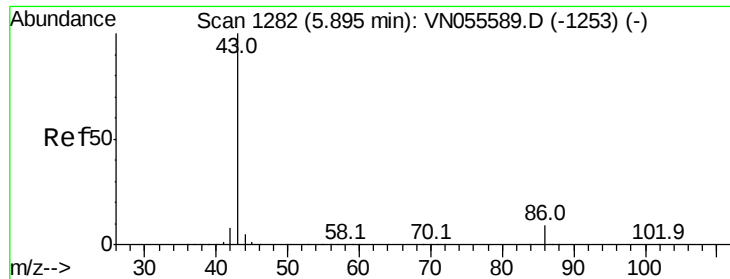
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





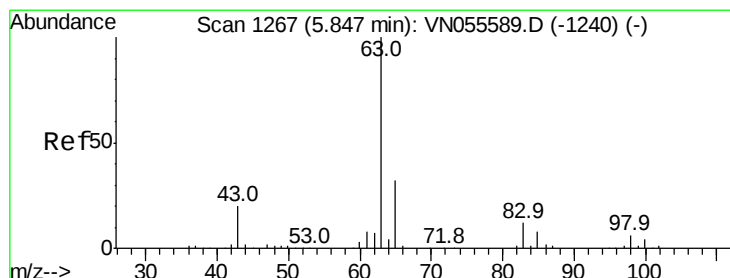
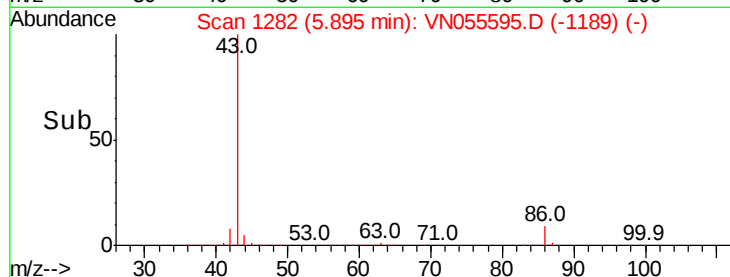
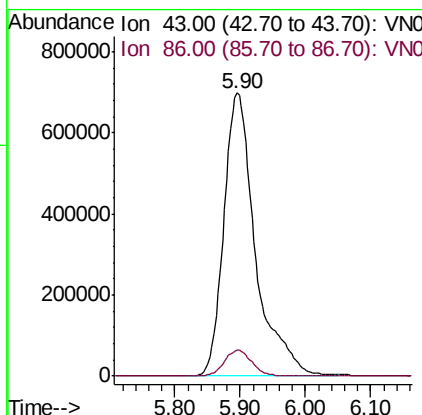
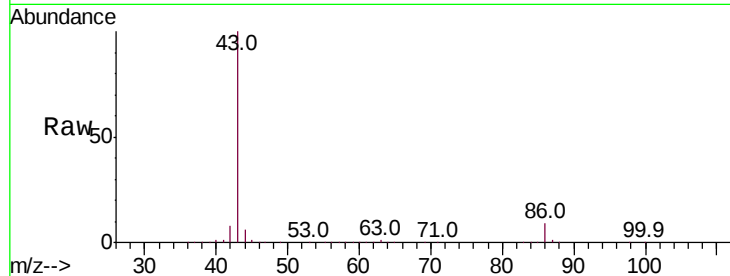
#23
 Vinyl Acetate
 Concen: 105.201 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN055595.D
 Acq: 14 May 2019 15:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0514WBS01

Tot Ion: 43 Resp: 2350721
 Ion Ratio Lower Upper
 43 100
 86 9.1 7.4 11.0

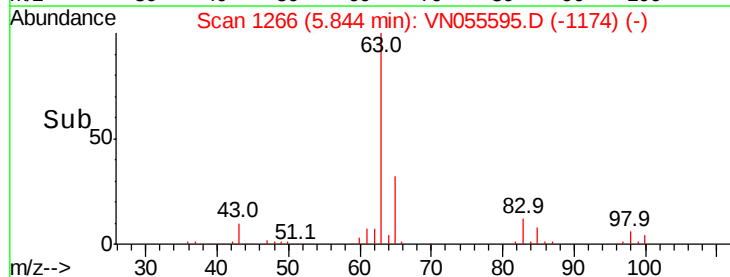
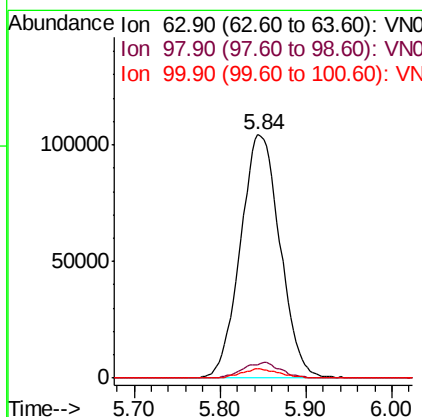
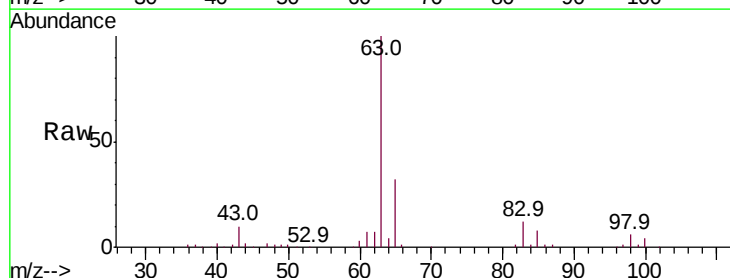
Manual Integrations
 APPROVED

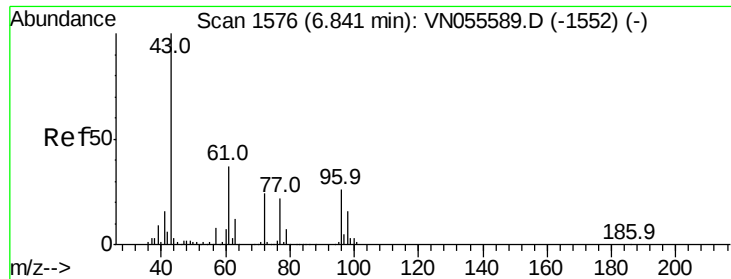
MMDadoda
 5/16/2019 1:32:03 PM



#24
 1,1-Dichloroethane
 Concen: 20.186 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN055595.D
 Acq: 14 May 2019 15:51

Tgt Ion: 63 Resp: 334334
 Ion Ratio Lower Upper
 63 100
 98 5.6 3.0 9.0
 100 3.7 2.1 6.3





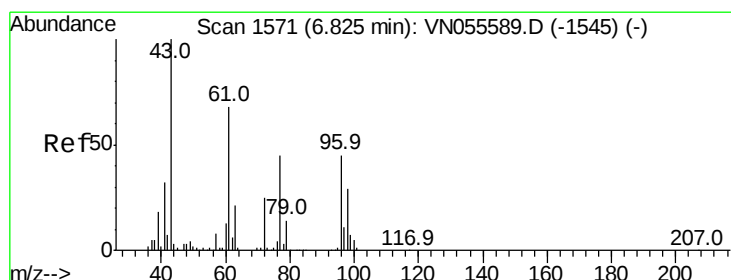
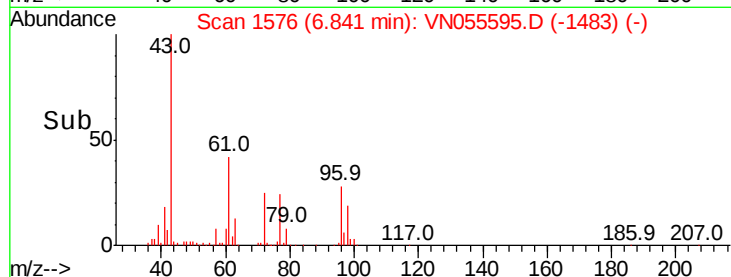
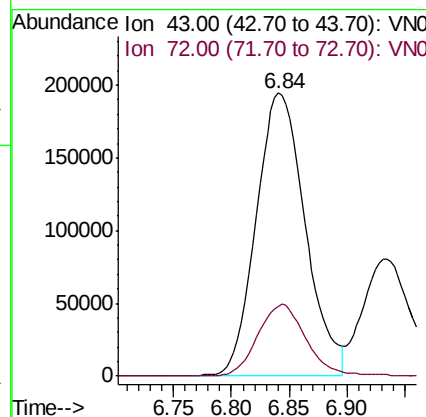
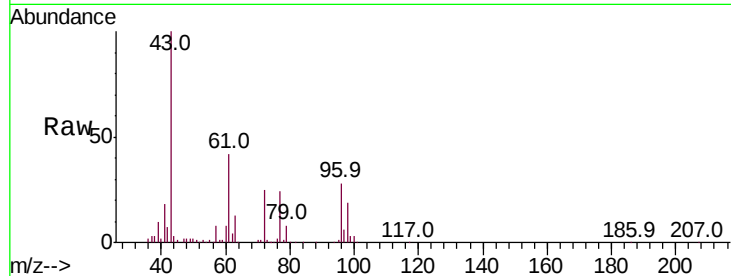
#25
2-Butanone
Concen: 96.036 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN055595.D
Acq: 14 May 2019 15:51

Instrument :
MSVOA_N
ClientSampleId :
VN0514WBS01

Tot Ion: 43 Resp: 570039
Ion Ratio Lower Upper
43 100
72 24.7 19.5 29.3

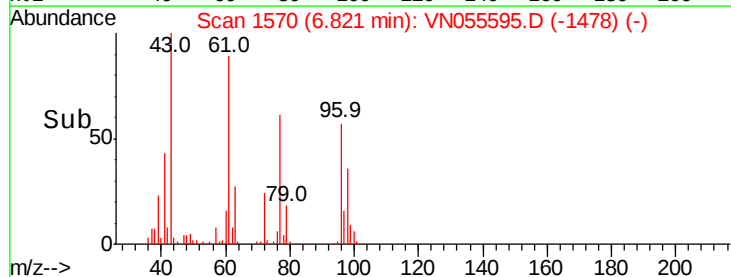
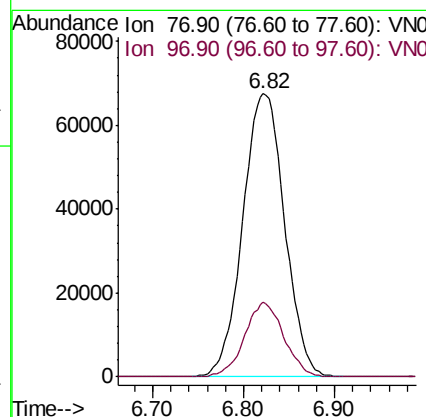
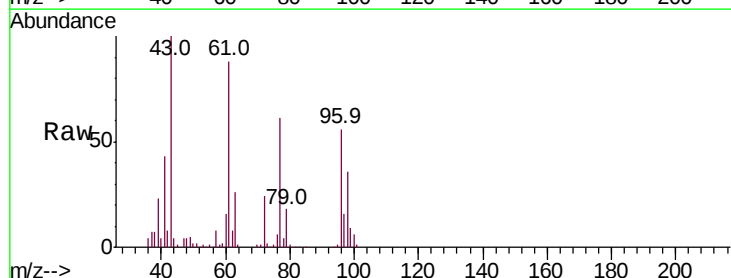
Manual Integrations
APPROVED

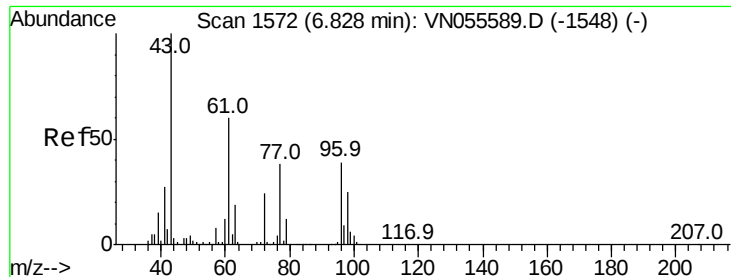
MMDadoda
5/16/2019 1:32:03 PM



#26
2,2-Dichloropropane
Concen: 20.138 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VN055595.D
Acq: 14 May 2019 15:51

Tgt Ion: 77 Resp: 215423
Ion Ratio Lower Upper
77 100
97 24.8 11.7 35.1





#27

cis-1,2-Dichloroethene

Concen: 20.248 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

Instrument :

MSVOA_N

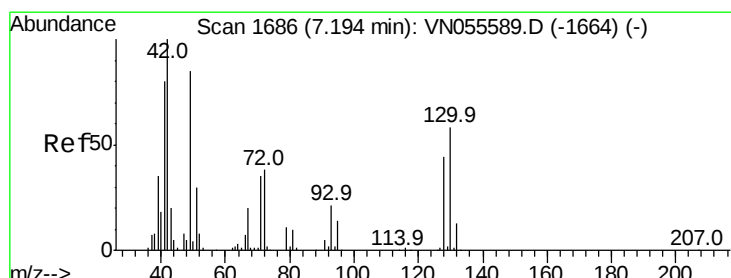
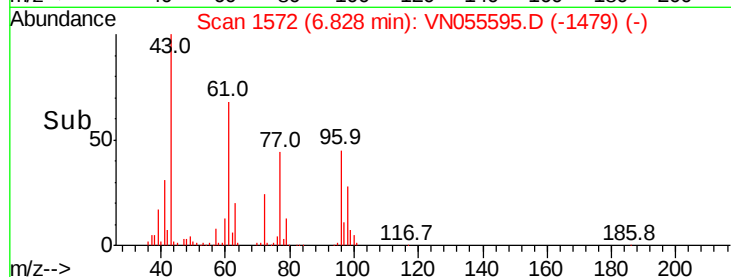
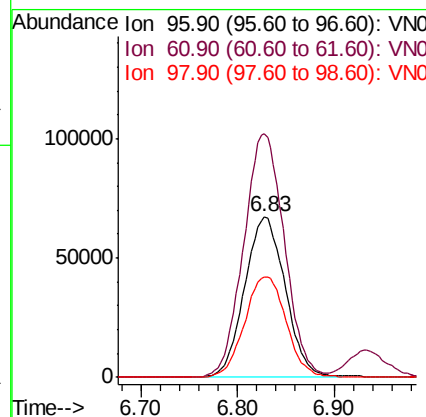
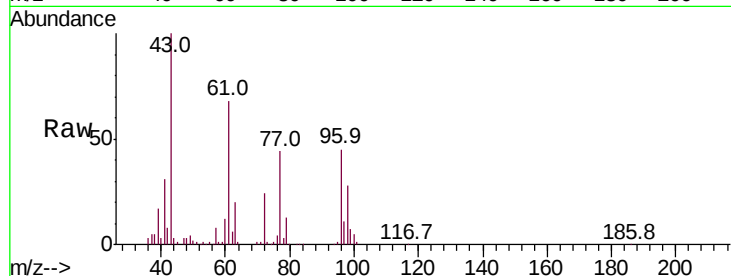
ClientSampleId :

VN0514WBS01

Tot Ion	96	Resp	196501
Ion Ratio	Lower	Upper	
96	100		
61	152.1	0.0	305.0
98	64.1	0.0	128.2

Manual Integrations
APPROVED

MMDadoda
5/16/2019 1:32:03 PM



#28

Bromochloromethane

Concen: 21.078 ug/l

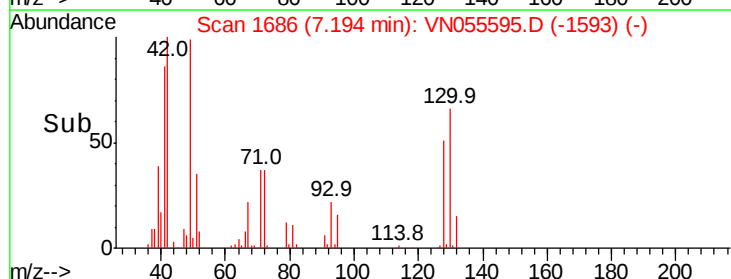
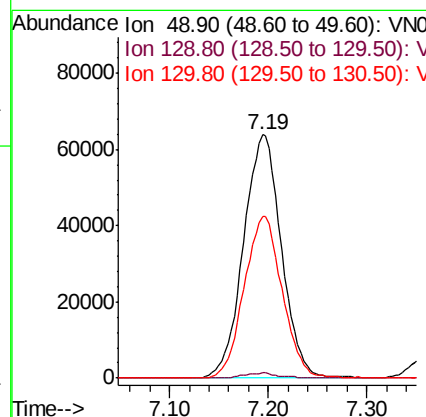
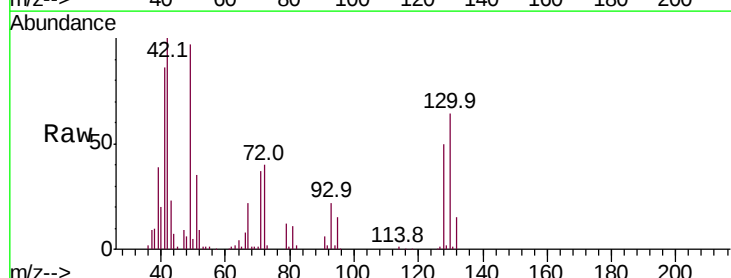
RT: 7.19 min Scan# 1686

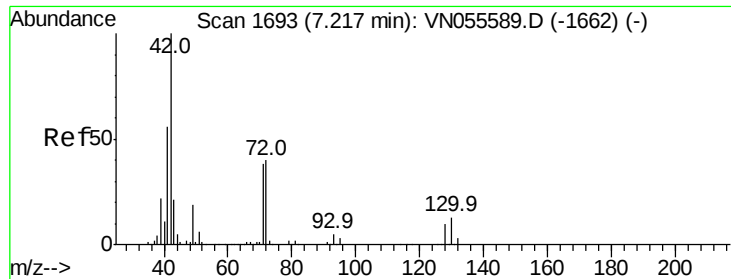
Delta R.T. 0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

Tgt Ion	49	Resp	169563
Ion Ratio	Lower	Upper	
49	100		
129	1.9	0.0	3.6
130	66.8	52.4	78.6





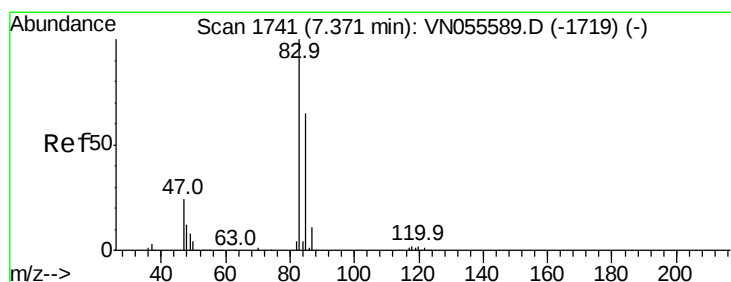
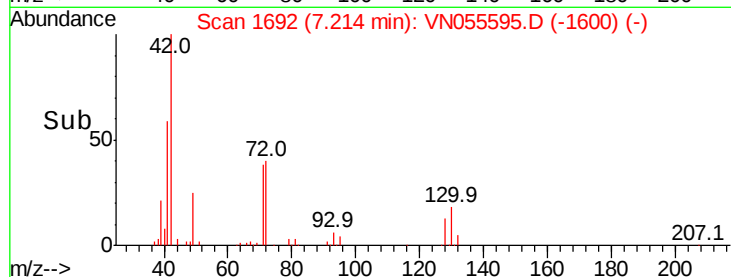
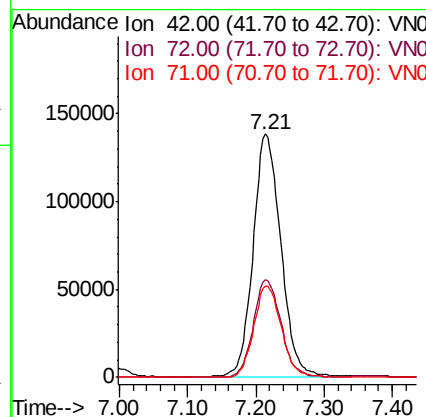
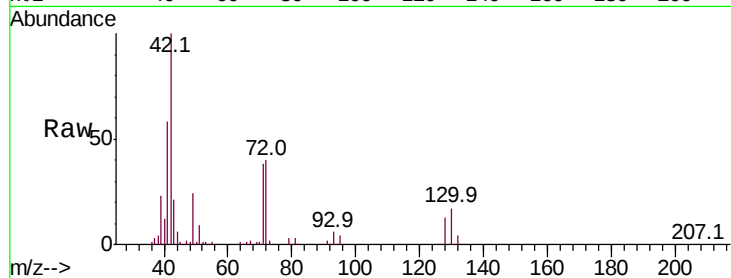
#29
Tetrahydrofuran
Concen: 101.601 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VN055595.D
Acq: 14 May 2019 15:51

Instrument :
MSVOA_N
ClientSampleId :
VN0514WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.8	31.4	47.2
71	37.4	29.9	44.9

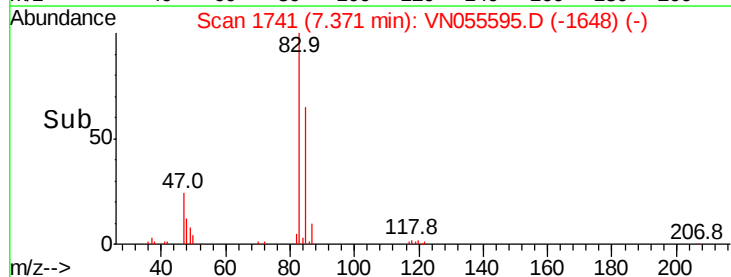
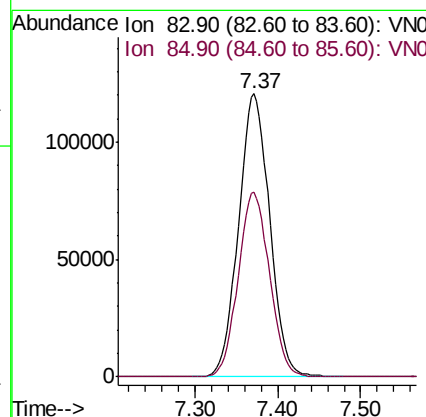
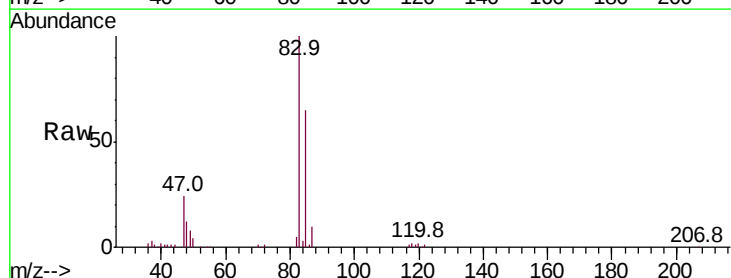
Manual Integrations
APPROVED

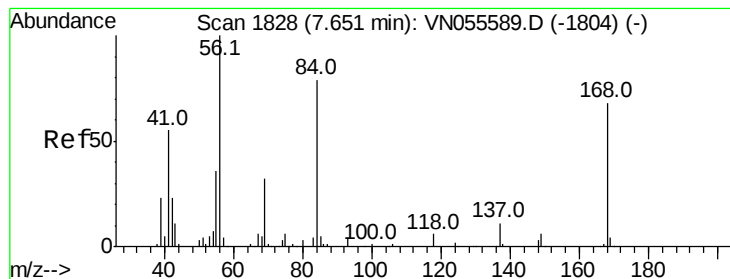
MMDadoda
5/16/2019 1:32:03 PM



#30
Chloroform
Concen: 20.292 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055595.D
Acq: 14 May 2019 15:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.9	77.9





#31

Cyclohexane

Concen: 19.983 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

Instrument :

MSVOA_N

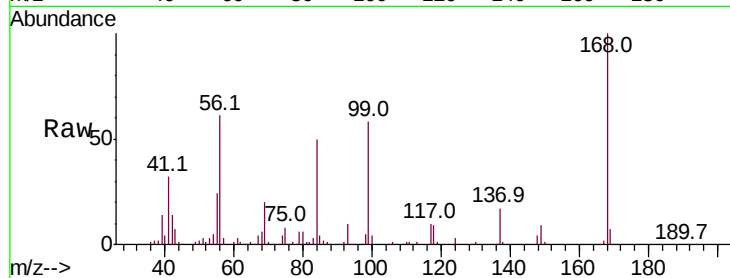
ClientSampleId :

VN0514WBS01

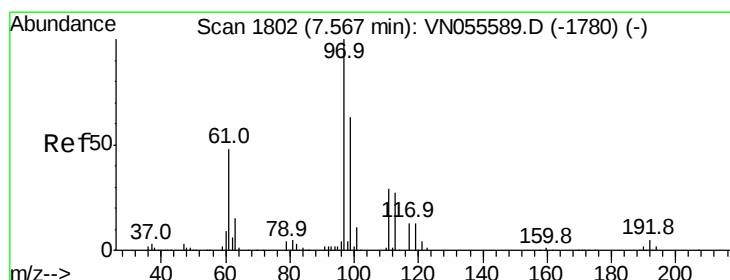
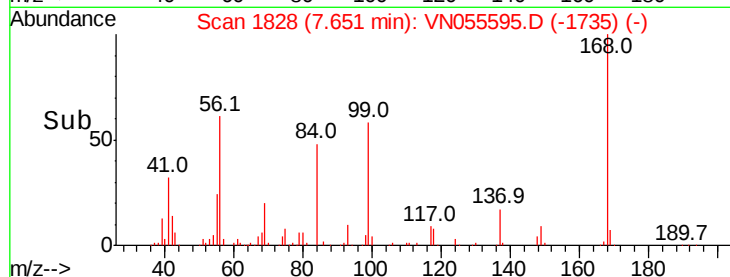
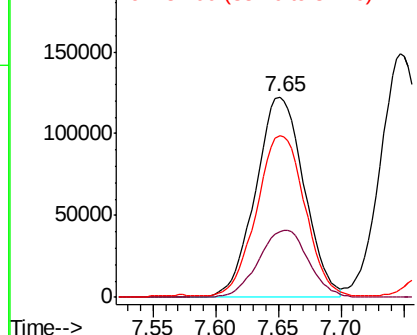
Tot Ion	56	Resp	329355
Ion	Ratio	Lower	Upper
56	100		
69	32.6	25.7	38.5
84	79.8	63.4	95.0

Manual Integrations
APPROVED

MMDadoda
5/16/2019 1:32:03 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 20.365 ug/l

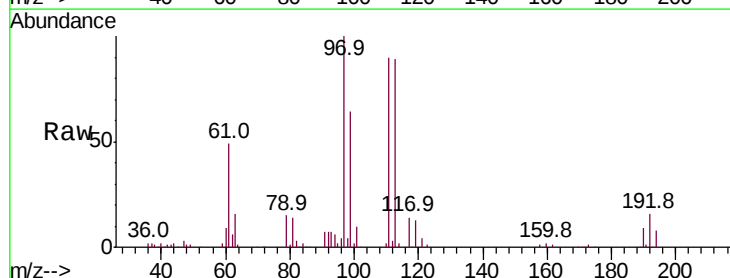
RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

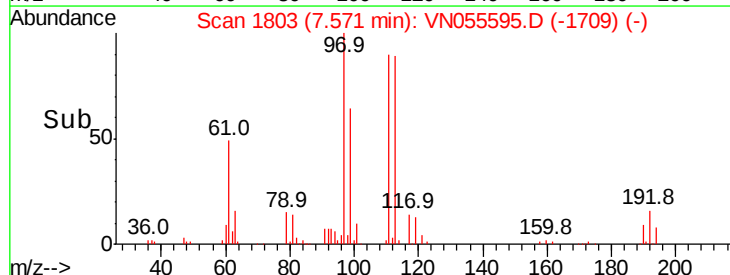
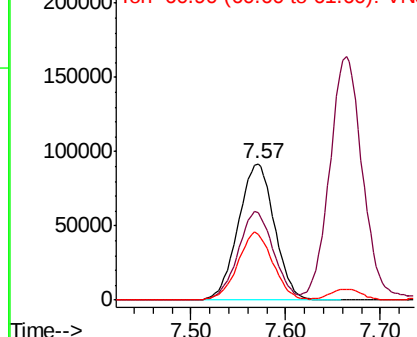
Lab File: VN055595.D

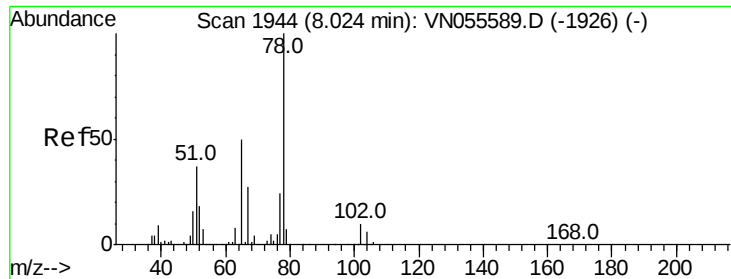
Acq: 14 May 2019 15:51

Tgt Ion	97	Resp	244418
Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.8	76.2
61	48.3	38.7	58.1



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





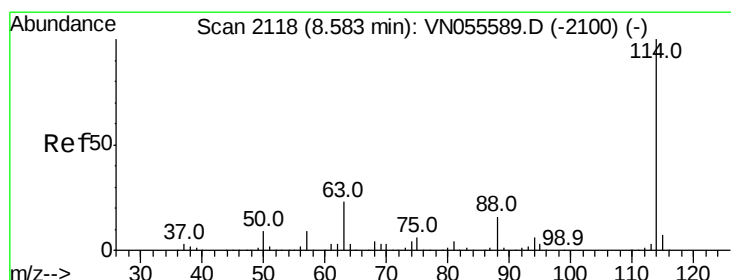
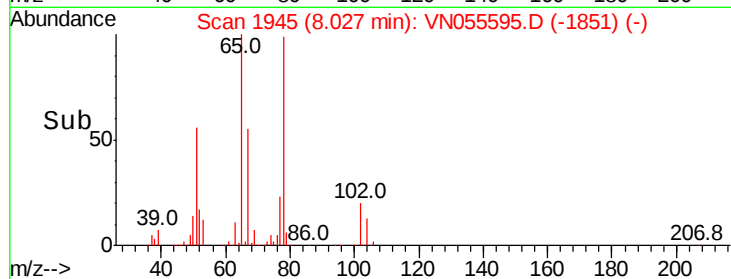
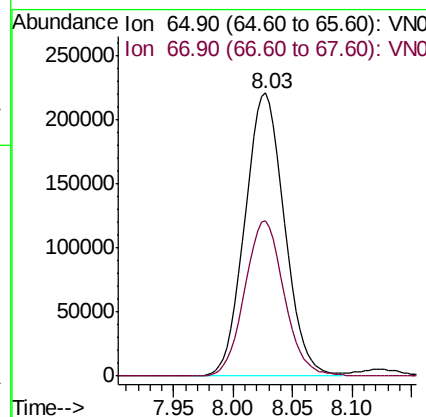
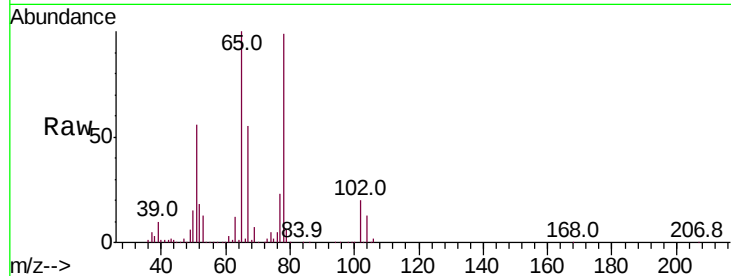
#33
 1,2-Dichloroethane-d4
 Concen: 51.178 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055595.D
 Acq: 14 May 2019 15:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0514WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.6	0.0	109.8

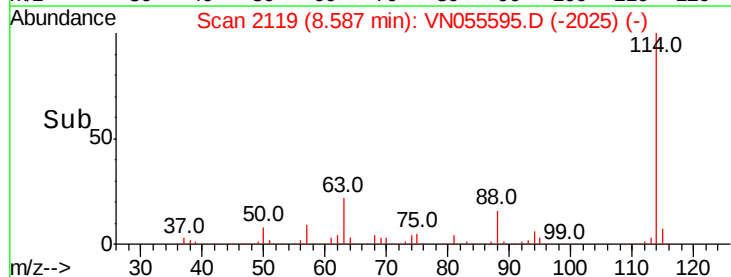
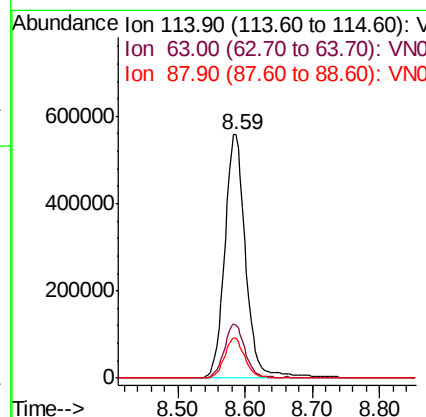
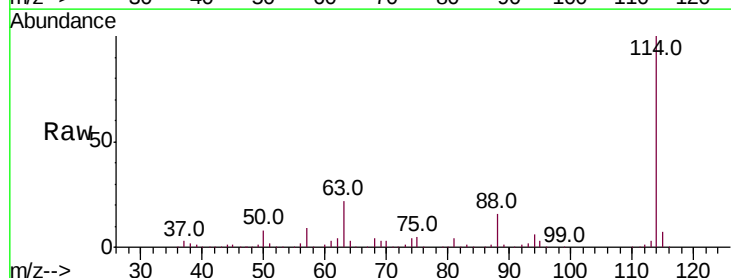
Manual Integrations
 APPROVED

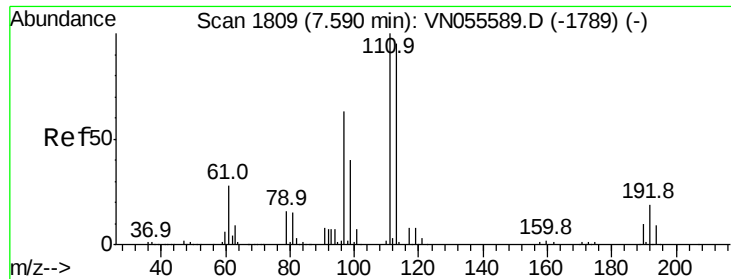
MMDadoda
 5/16/2019 1:32:03 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055595.D
 Acq: 14 May 2019 15:51

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	45.8
88	16.3	0.0	32.6





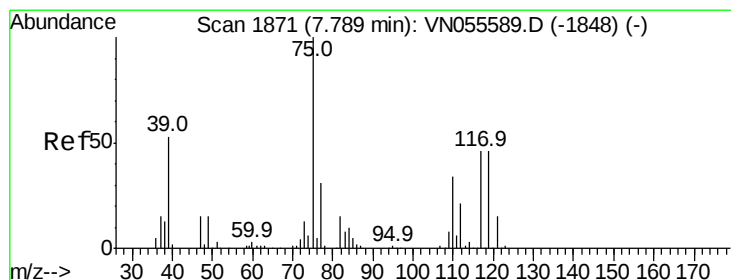
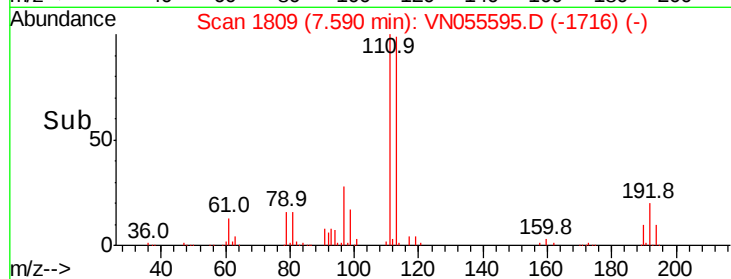
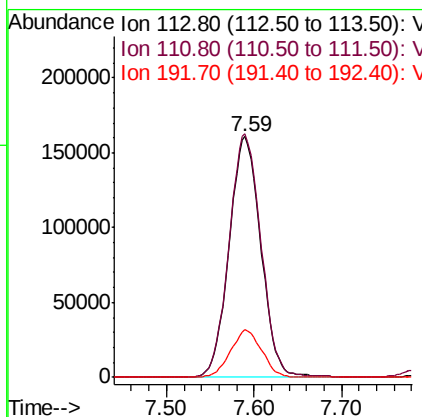
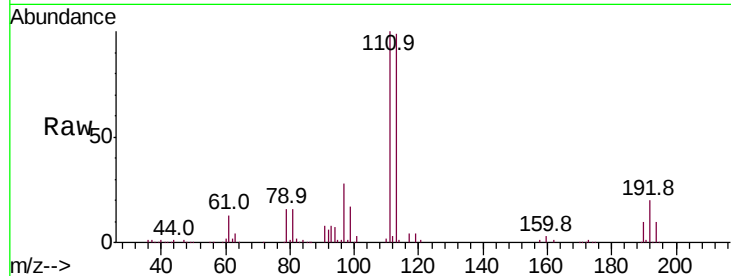
#35
Dibromofluoromethane
Concen: 50.975 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN055595.D
Acq: 14 May 2019 15:51

Instrument :
MSVOA_N
ClientSampleId :
VN0514WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.1	83.5	125.3	
192	19.4	16.0	24.0	

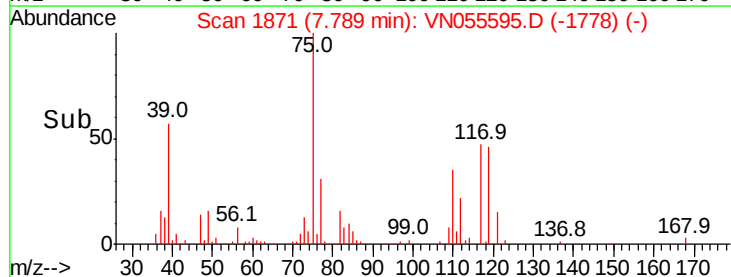
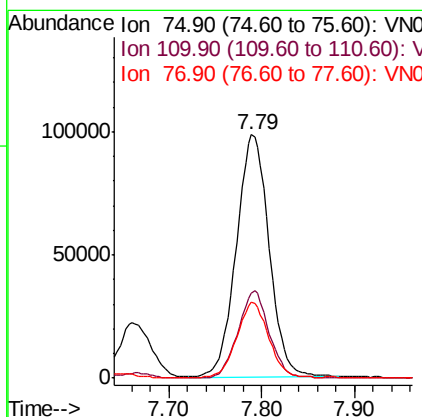
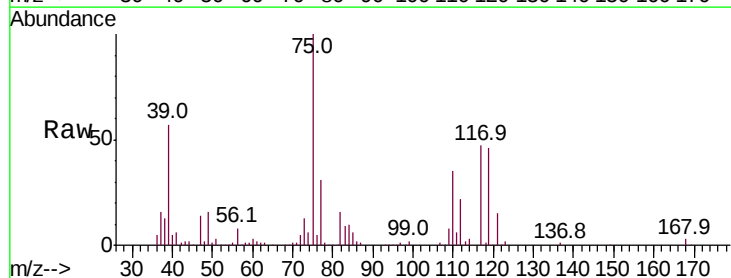
Manual Integrations
APPROVED

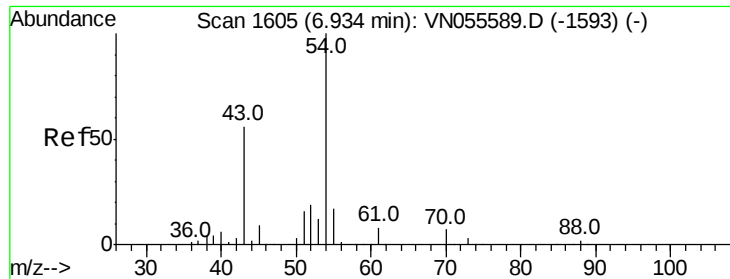
MMDadoda
5/16/2019 1:32:03 PM



#36
1,1-Dichloropropene
Concen: 19.944 ug/l
RT: 7.79 min Scan# 1871
Delta R.T. 0.00 min
Lab File: VN055595.D
Acq: 14 May 2019 15:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	34.2	16.9	50.7	
77	30.7	24.9	37.3	





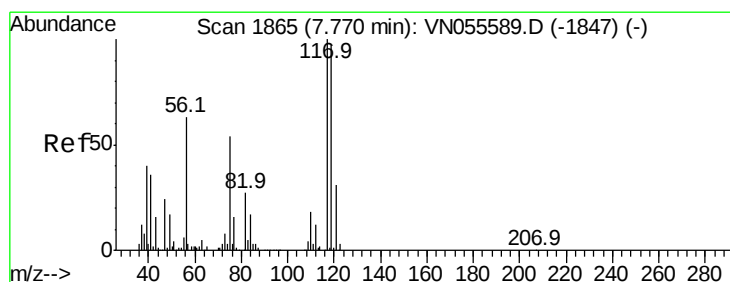
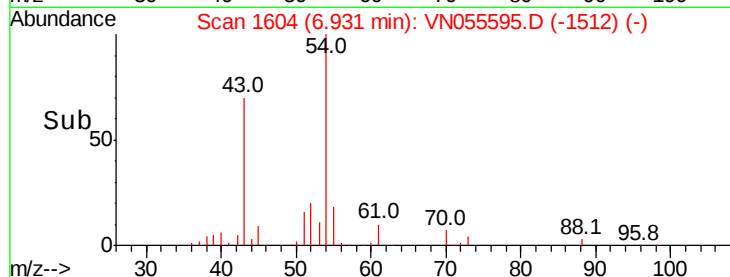
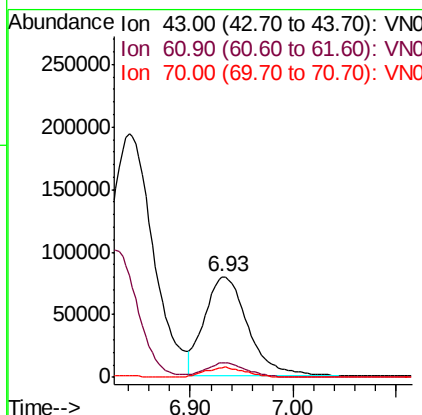
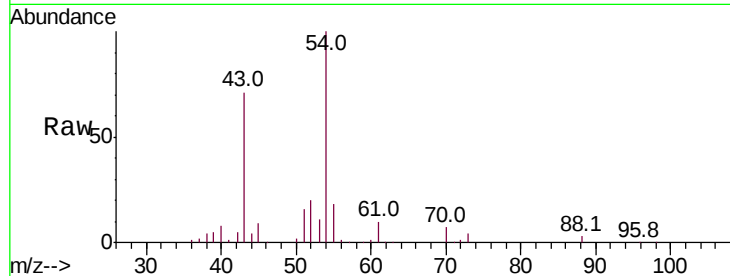
#37
Ethyl Acetate
Concen: 20.410 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN055595.D
Acq: 14 May 2019 15:51

Instrument :
MSVOA_N
ClientSampled :
VN0514WBS01

Tot Ion	43	Ratio	100	Resp	231676
Ion	43	100		Lower	Upper
61	13.8		10.8	16.2	
70	8.8		7.4	11.2	

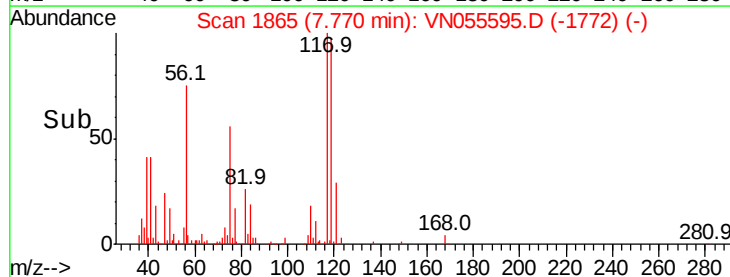
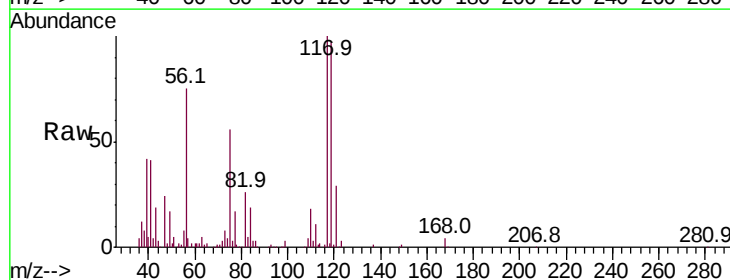
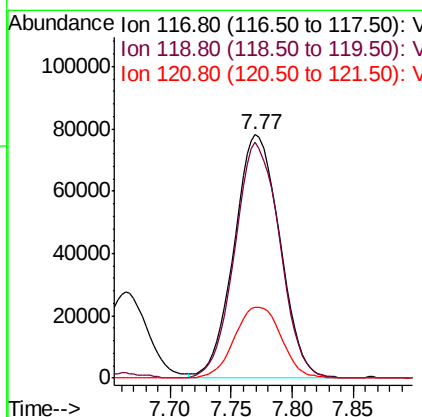
Manual Integrations
APPROVED

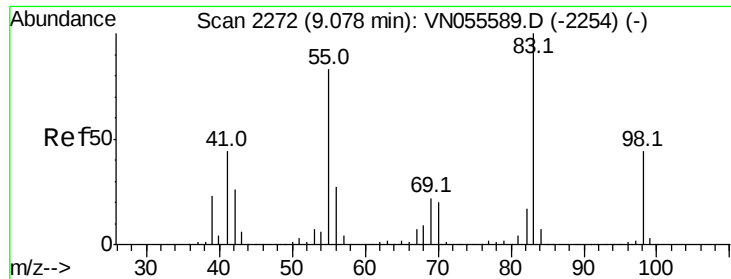
MMDadoda
5/16/2019 1:32:03 PM



#38
Carbon Tetrachloride
Concen: 20.000 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055595.D
Acq: 14 May 2019 15:51

Tgt Ion	117	Ratio	100	Resp	201153
Ion	117	100		Lower	Upper
119	96.7		77.1	115.7	
121	29.4		24.4	36.6	





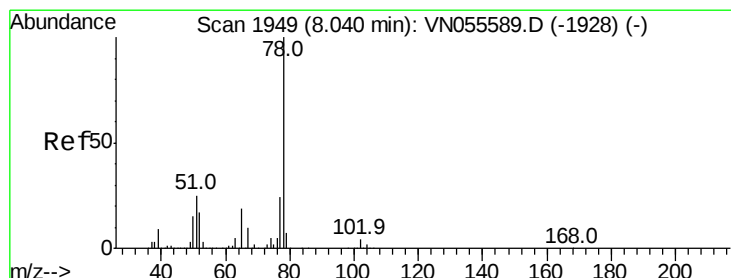
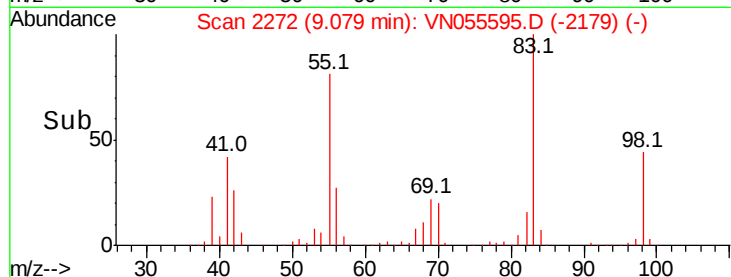
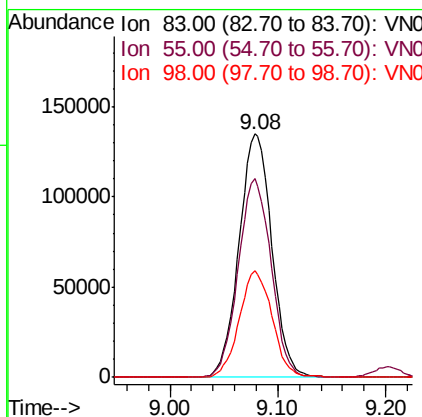
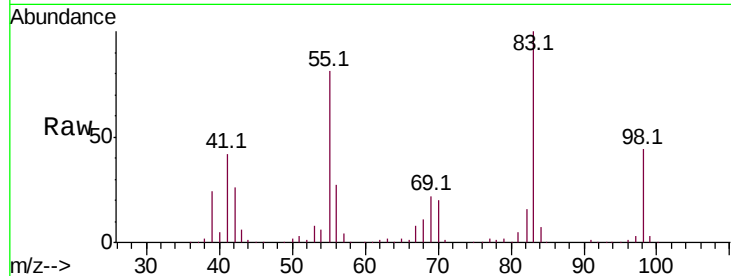
#39
Methvlcvclohexane
Concen: 20.042 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055595.D
Acq: 14 May 2019 15:51

Instrument :
MSVOA_N
ClientSampleId :
VN0514WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	81.4	66.3	99.5	
98	43.8	34.8	52.2	

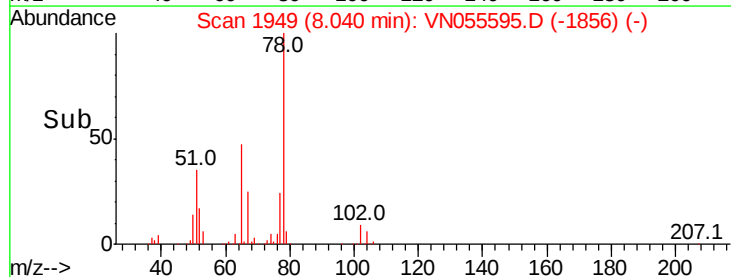
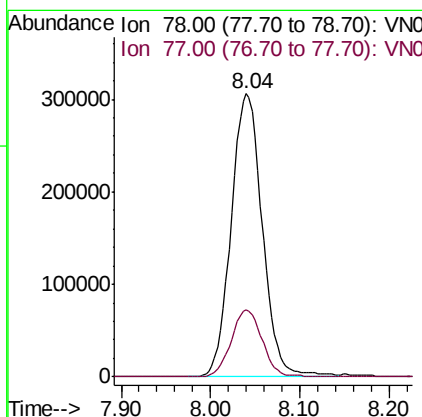
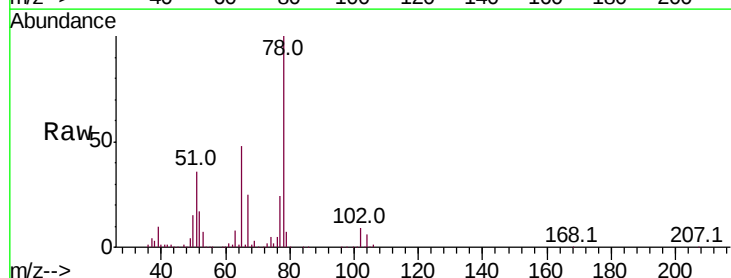
Manual Integrations
APPROVED

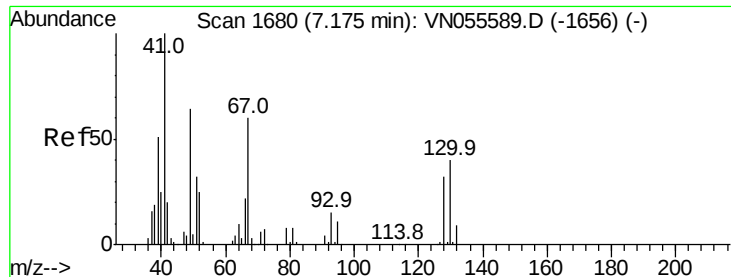
MMDadoda
5/16/2019 1:32:03 PM



#40
Benzene
Concen: 20.124 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055595.D
Acq: 14 May 2019 15:51

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.8	18.9	28.3	





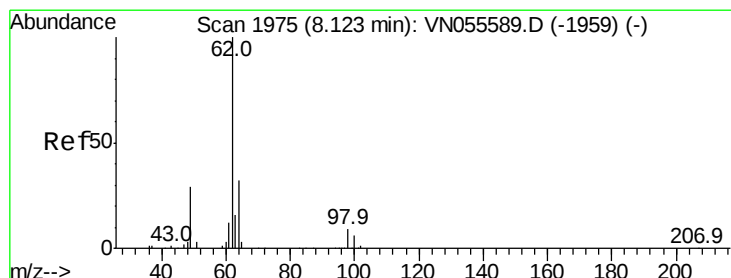
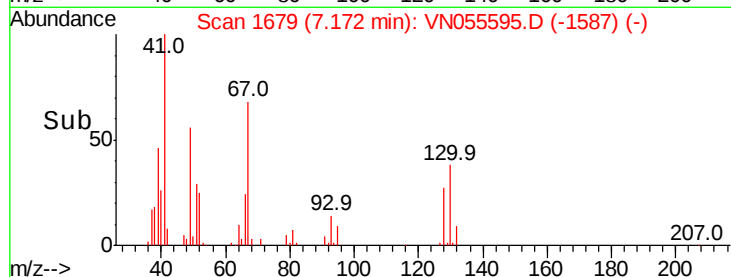
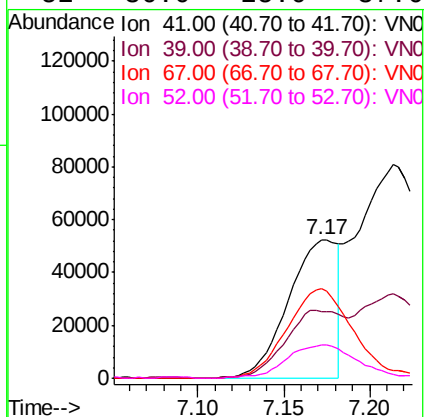
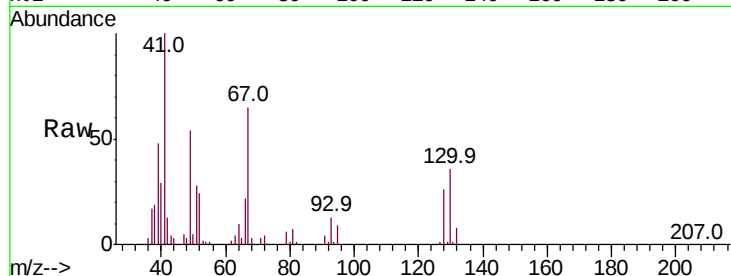
#41
Methacrylonitrile
Concen: 20.199 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN055595.D
Acq: 14 May 2019 15:51

Instrument :
MSVOA_N
ClientSampleId :
VN0514WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	60.1	44.1	66.1
67	88.7	63.4	95.0
52	36.0	25.0	37.6

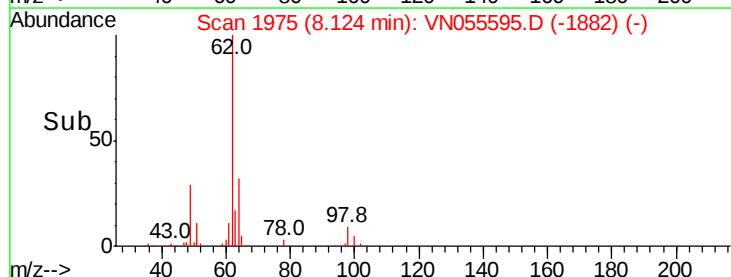
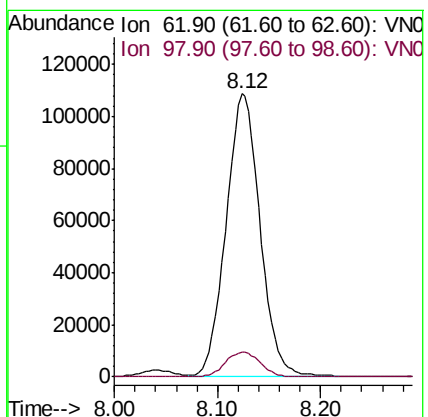
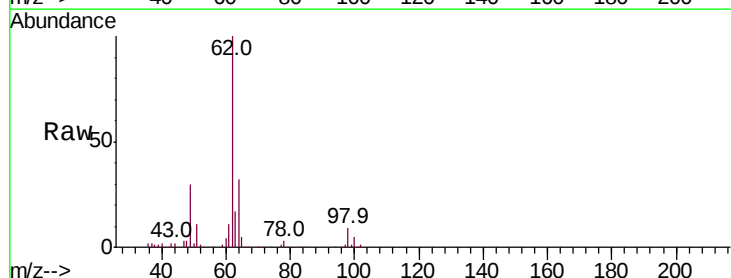
Manual Integrations
APPROVED

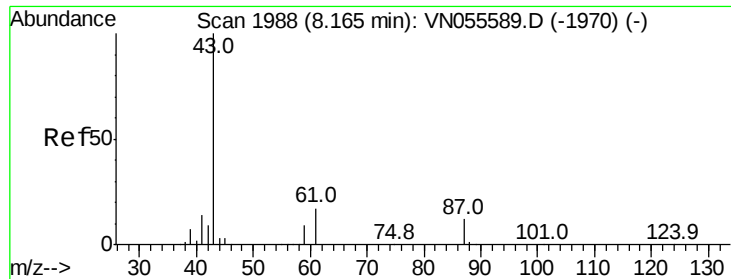
MMDadoda
5/16/2019 1:32:03 PM



#42
1,2-Dichloroethane
Concen: 20.103 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055595.D
Acq: 14 May 2019 15:51

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.0





#43

Isopropyl Acetate

Concen: 20.314 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

Instrument :

MSVOA_N

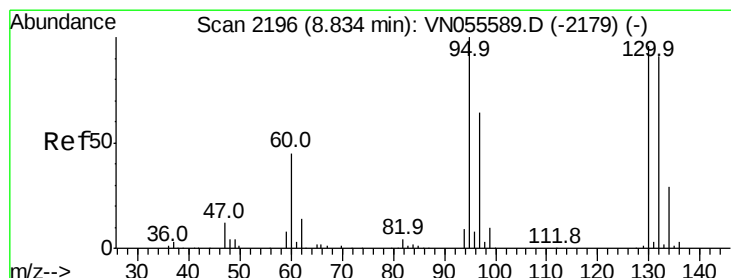
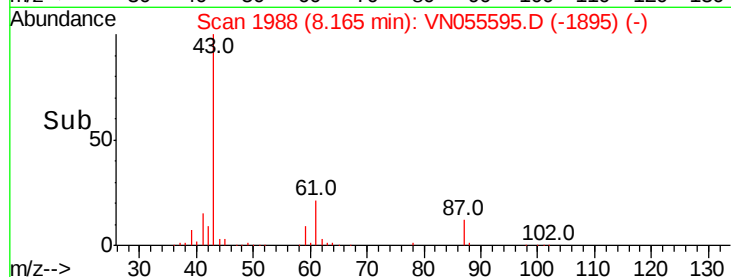
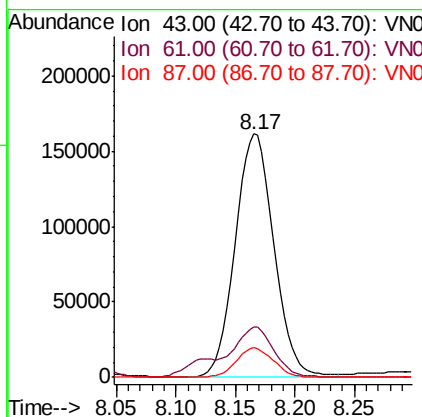
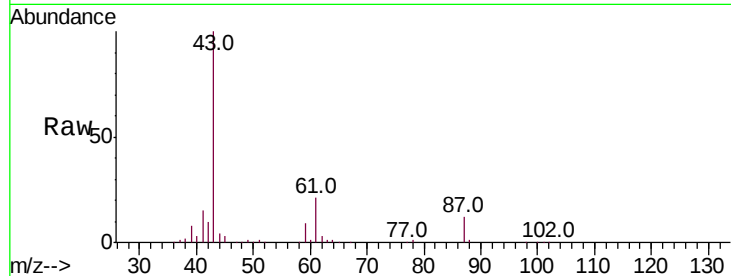
ClientSampleId :

VN0514WBS01

Tot Ion:	43	Resp:	361640
Ion	Ratio	Lower	Upper
43	100		
61	20.8	16.1	24.1
87	11.8	9.6	14.4

Manual Integrations
APPROVED

MMDadoda
5/16/2019 1:32:03 PM



#44

Trichloroethene

Concen: 19.891 ug/l

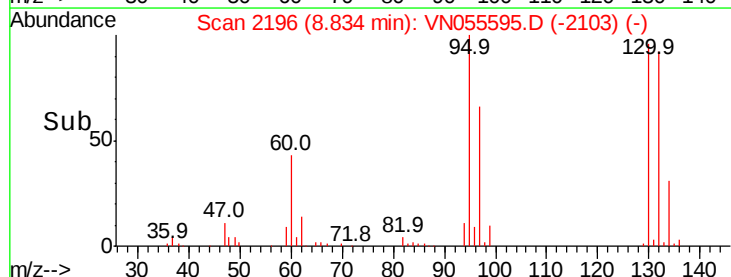
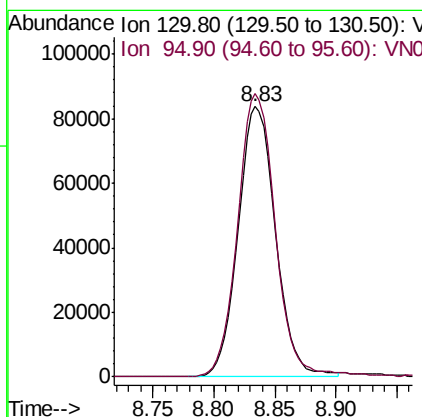
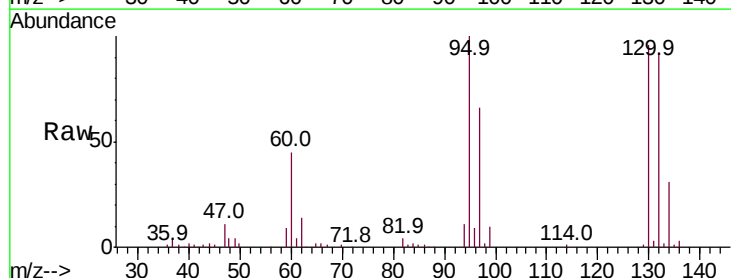
RT: 8.83 min Scan# 2196

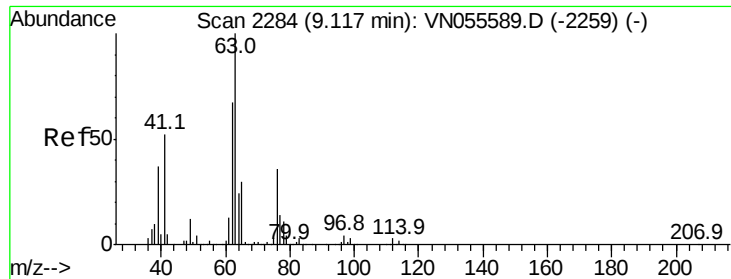
Delta R.T. 0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

Tgt Ion:	130	Resp:	176982
Ion	Ratio	Lower	Upper
130	100		
95	104.7	0.0	208.6





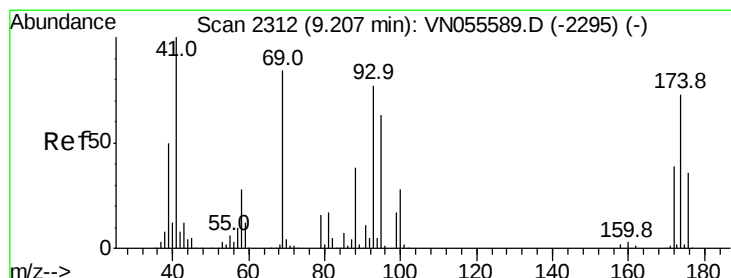
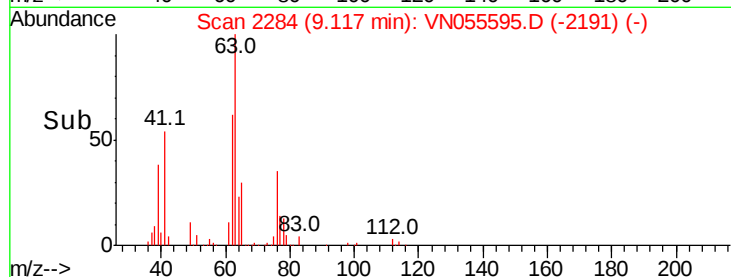
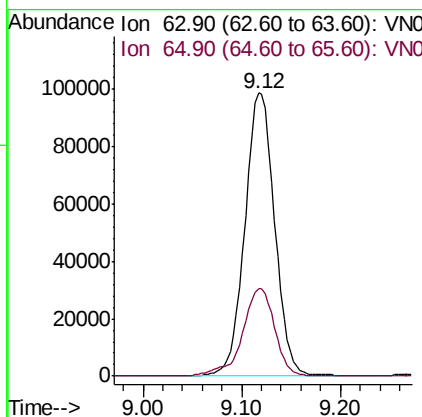
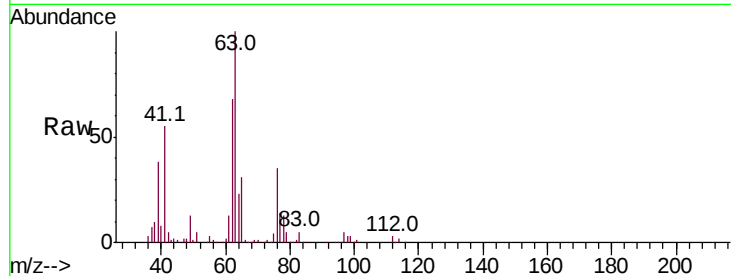
#45
 1,2-Dichloropropane
 Concen: 20.209 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN055595.D
 Acq: 14 May 2019 15:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0514WBS01

Tot Ion: 63 Resp: 206072
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.1 36.1

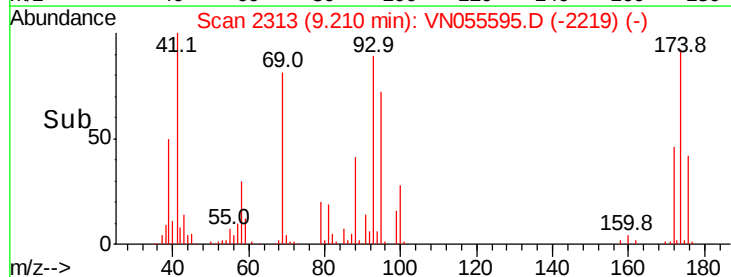
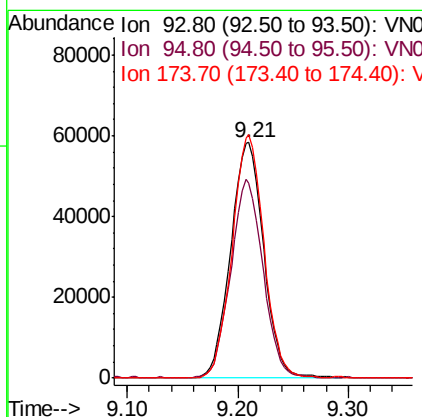
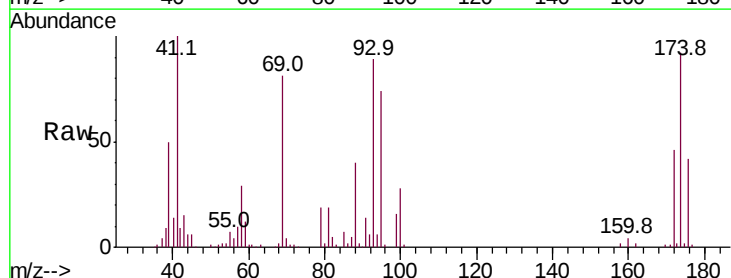
Manual Integrations
 APPROVED

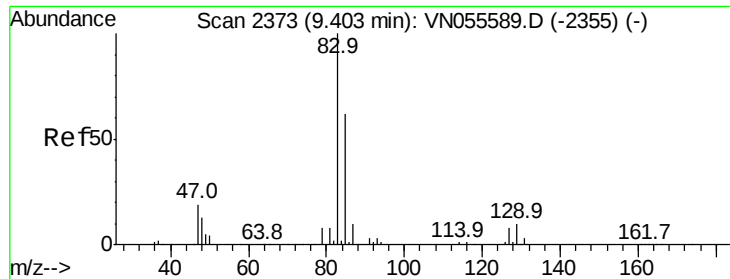
MMDadoda
 5/16/2019 1:32:03 PM



#46
 Dibromomethane
 Concen: 20.136 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055595.D
 Acq: 14 May 2019 15:51

Tgt Ion: 93 Resp: 121267
 Ion Ratio Lower Upper
 93 100
 95 82.4 66.6 100.0
 174 99.1 78.4 117.6





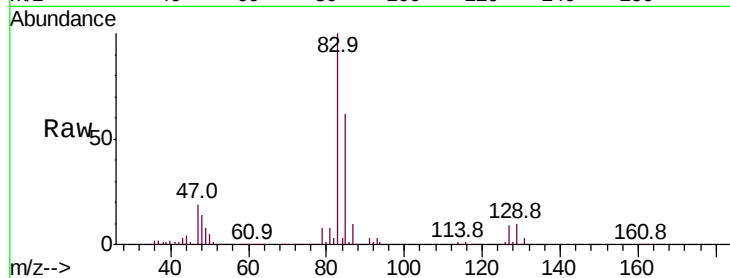
#47
Bromodichloromethane
Concen: 20.265 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN055595.D
Acq: 14 May 2019 15:51

Instrument :
MSVOA_N
ClientSampleId :
VN0514WBS01

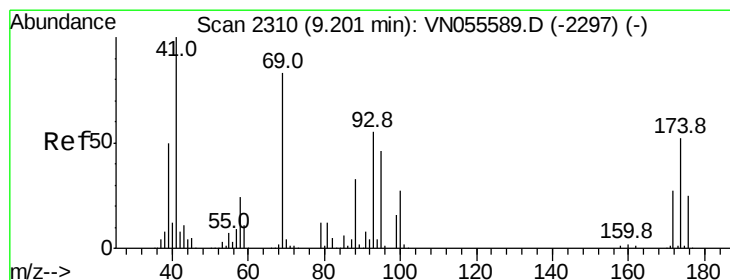
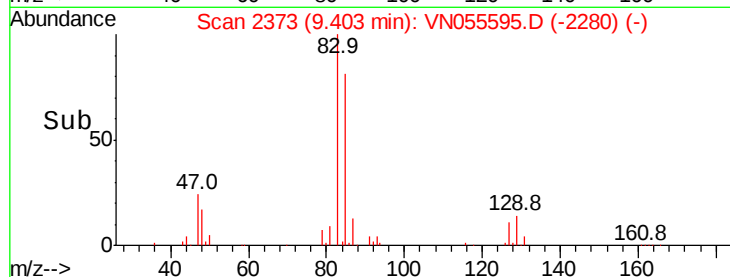
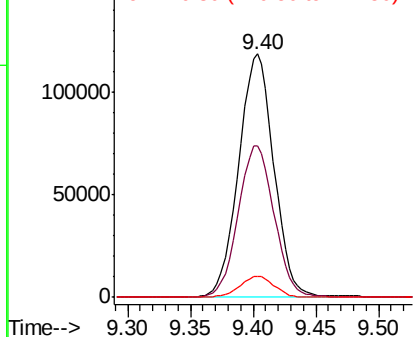
Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	62.4	49.6	74.4	
127	8.8	6.6	9.8	

Manual Integrations
APPROVED

MMDadoda
5/16/2019 1:32:03 PM

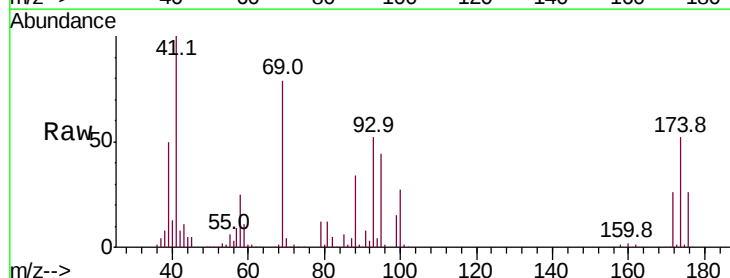


Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO

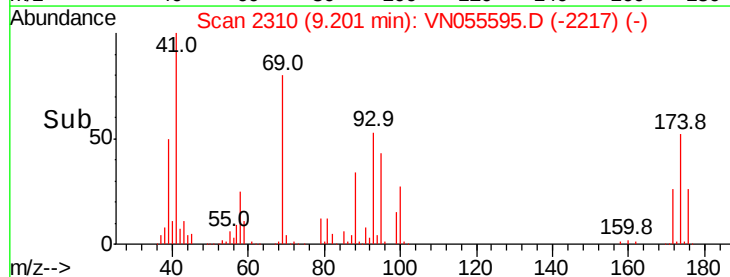
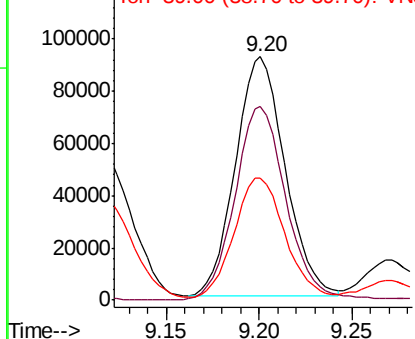


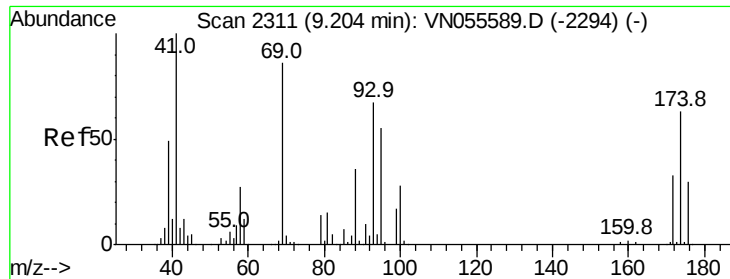
#48
Methyl methacrylate
Concen: 19.721 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055595.D
Acq: 14 May 2019 15:51

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	83.2	65.7	98.5	
39	52.1	40.2	60.4	



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





#49

1,4-Dioxane

Concen: 418.139 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN055595.D

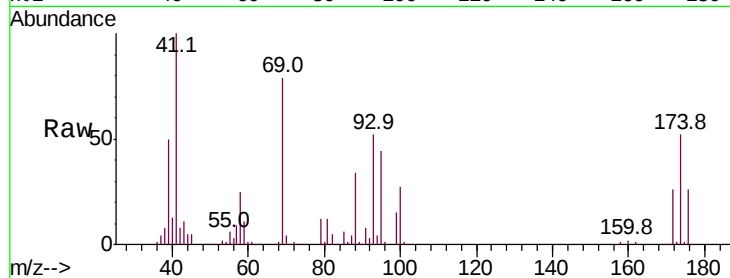
Acq: 14 May 2019 15:51

Instrument :
MSVOA_N
ClientSampleId :
VN0514WBS01

Tot Ion	88	Resp	66458
Ion Ratio	100	Lower	Upper
88	100		
43	32.0	25.4	38.0
58	73.8	59.4	89.2

Manual Integrations
APPROVED

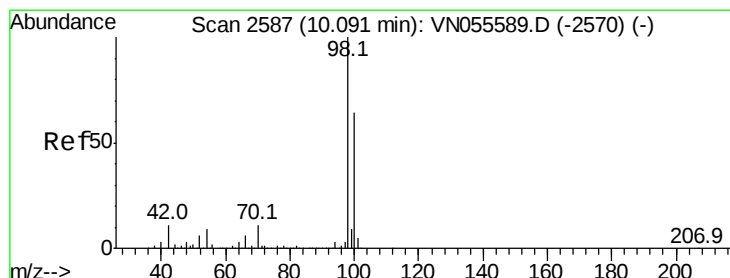
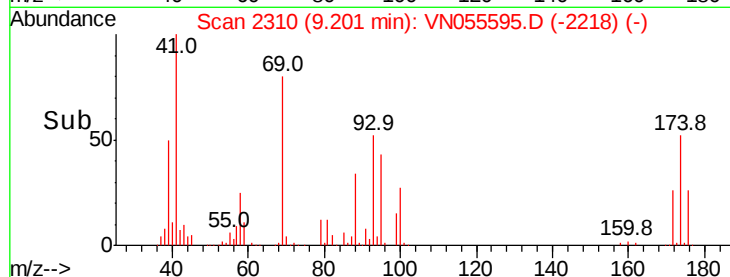
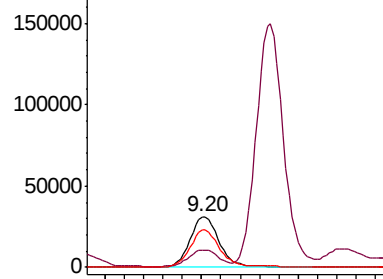
MMDadoda
5/16/2019 1:32:03 PM



Abundance Ion 88.00 (87.70 to 88.70): VN055589.D (-2294) (-)

Ion 43.00 (42.70 to 43.70): VN055589.D (-2294) (-)

Ion 58.00 (57.70 to 58.70): VN055589.D (-2294) (-)



#50

Toluene-d8

Concen: 51.528 ug/l

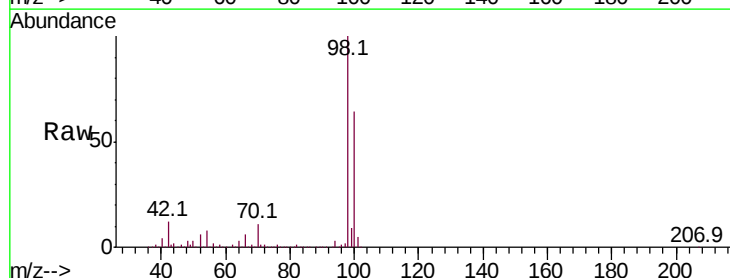
RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN055595.D

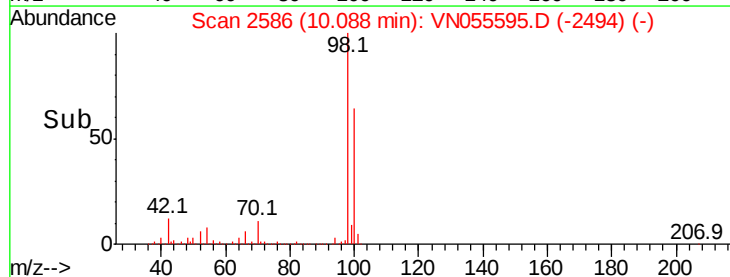
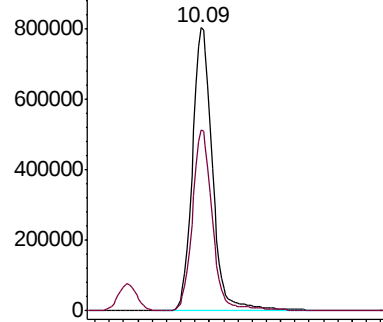
Acq: 14 May 2019 15:51

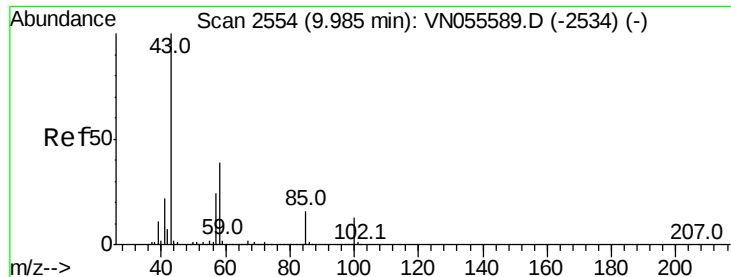
Tgt Ion	98	Resp	1563036
Ion Ratio	100	Lower	Upper
98	100		
100	64.4	50.7	76.1



Abundance Ion 98.00 (97.70 to 98.70): VN055589.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN055589.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 101.126 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

Instrument :

MSVOA_N

ClientSampleId :

VN0514WBS01

Tot Ion: 43 Resp: 1131130

Ion Ratio Lower Upper

43 100

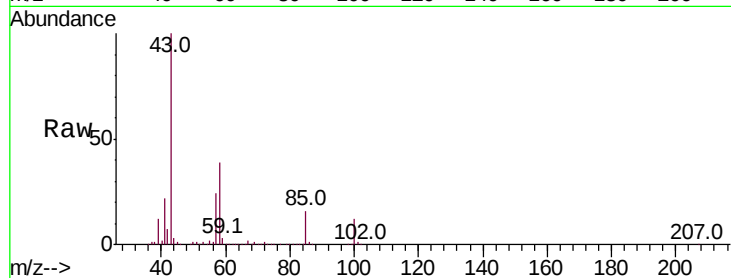
58 38.5 30.6 46.0

Manual Integrations

APPROVED

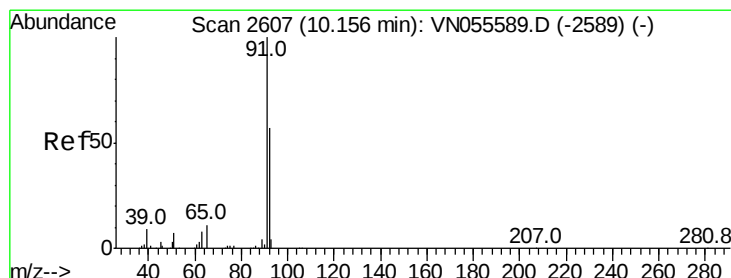
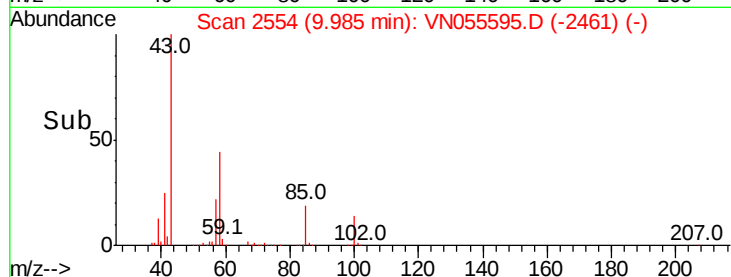
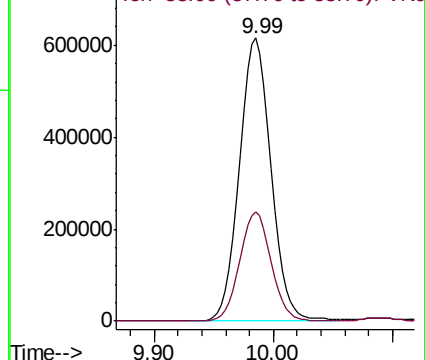
MMDadoda

5/16/2019 1:32:03 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.211 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055595.D

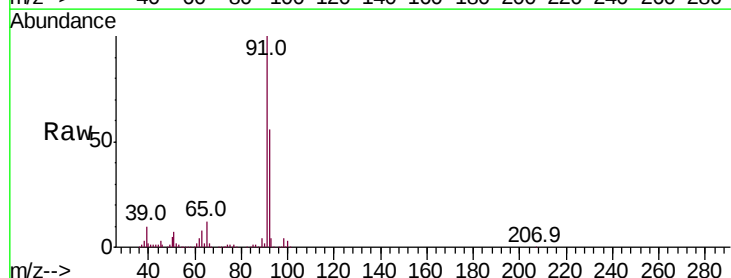
Acq: 14 May 2019 15:51

Tgt Ion: 92 Resp: 428401

Ion Ratio Lower Upper

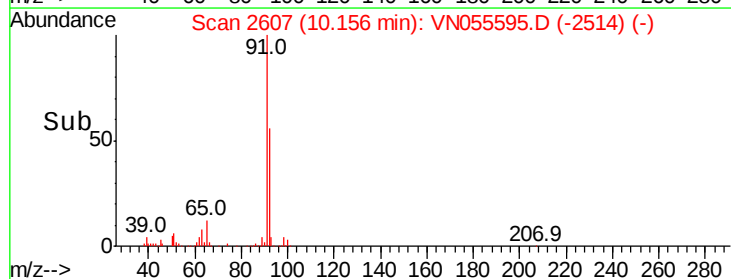
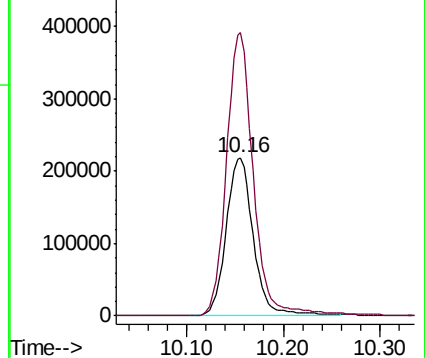
92 100

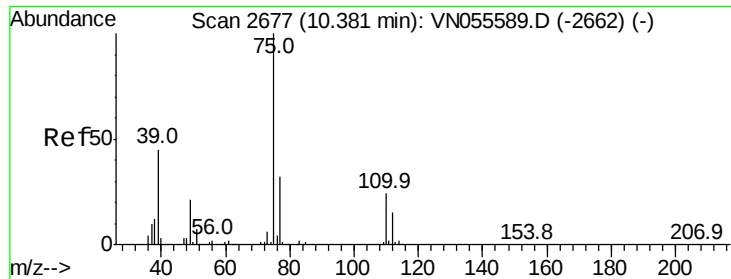
91 175.6 141.5 212.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





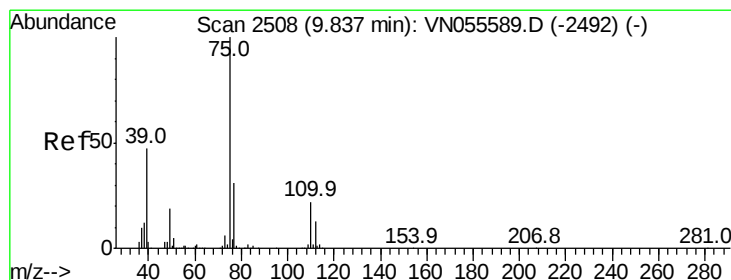
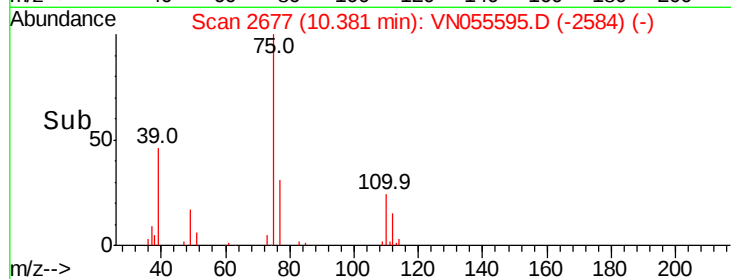
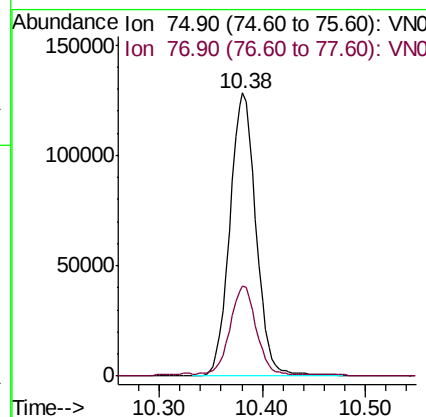
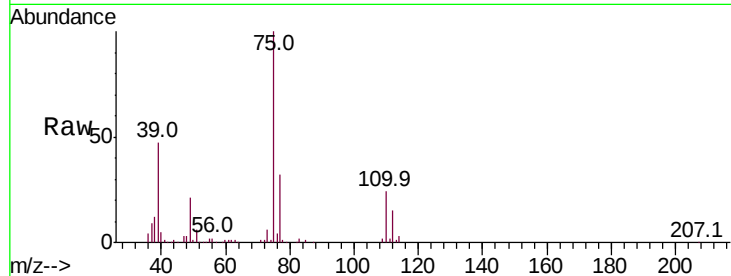
#53
t-1,3-Dichloropropene
Concen: 20.670 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055595.D
Acq: 14 May 2019 15:51

Instrument :
MSVOA_N
ClientSampled :
VN0514WBS01

Tot Ion: 75 Resp: 227484
Ion Ratio Lower Upper
75 100
77 31.2 25.5 38.3

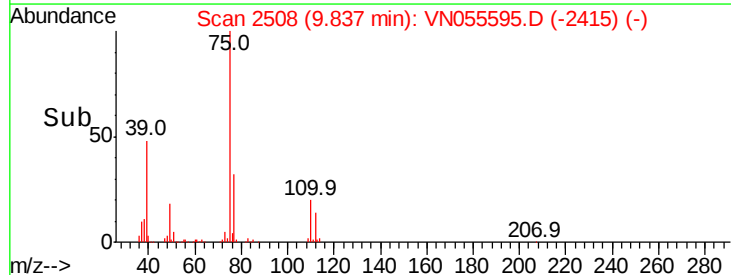
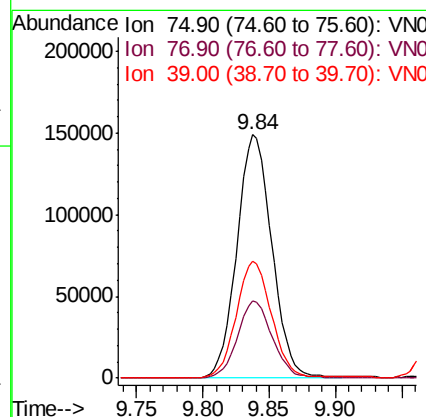
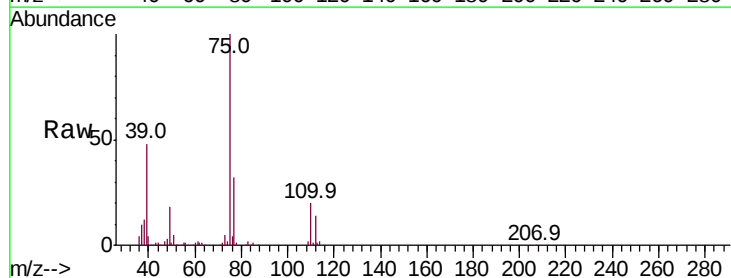
Manual Integrations
APPROVED

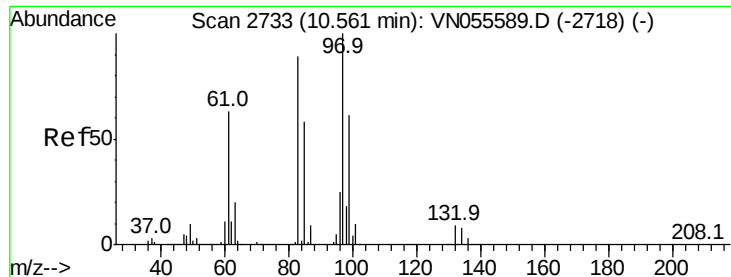
MMDadoda
5/16/2019 1:32:03 PM



#54
cis-1,3-Dichloropropene
Concen: 20.685 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN055595.D
Acq: 14 May 2019 15:51

Tgt Ion: 75 Resp: 273354
Ion Ratio Lower Upper
75 100
77 31.5 24.5 36.7
39 48.1 37.7 56.5





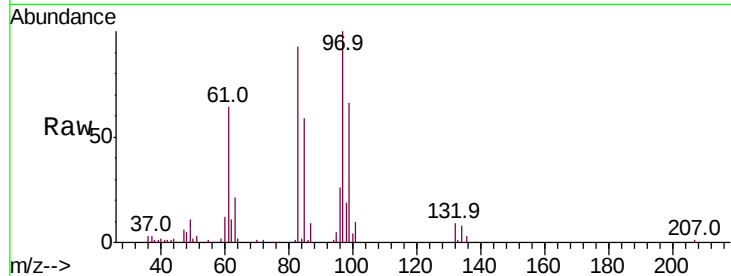
#55
 1,1,2-Trichloroethane
 Concen: 19.871 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055595.D
 Acq: 14 May 2019 15:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0514WBS01

Tot Ion	97	Resp	168390
Ion	Ratio	Lower	Upper
97	100		
83	92.7	71.5	107.3
85	59.3	46.2	69.4
99	65.6	49.0	73.6

Manual Integrations
 APPROVED

MMDadoda
 5/16/2019 1:32:03 PM



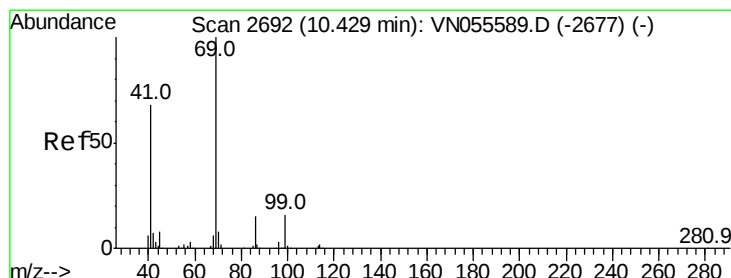
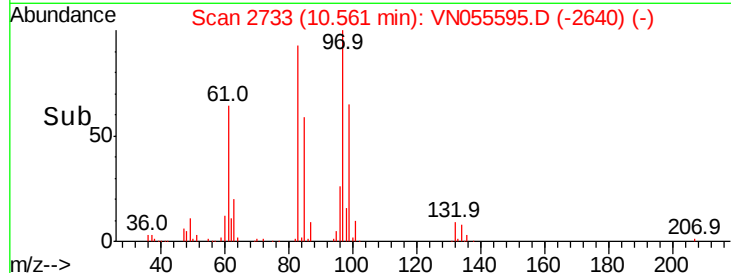
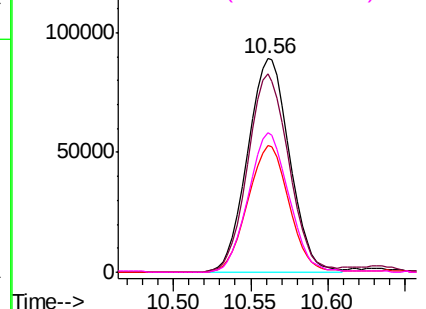
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

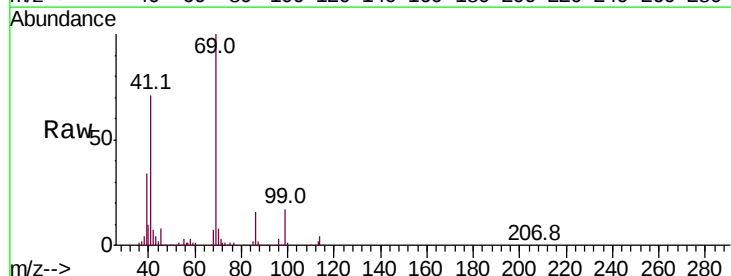
Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56
 Ethyl methacrylate
 Concen: 20.849 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055595.D
 Acq: 14 May 2019 15:51

Tgt Ion	69	Resp	246211
Ion	Ratio	Lower	Upper
69	100		
41	67.3	54.6	82.0
39	32.7	25.5	38.3

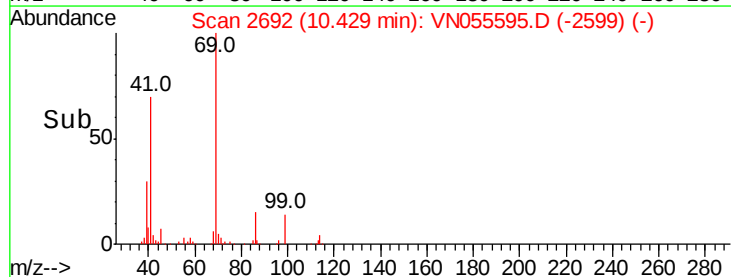
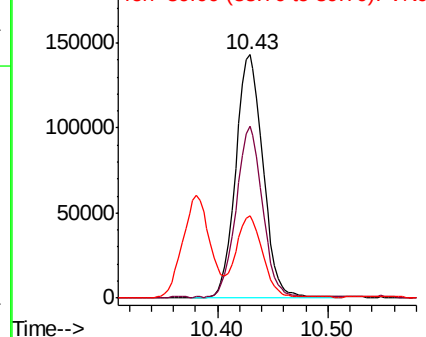


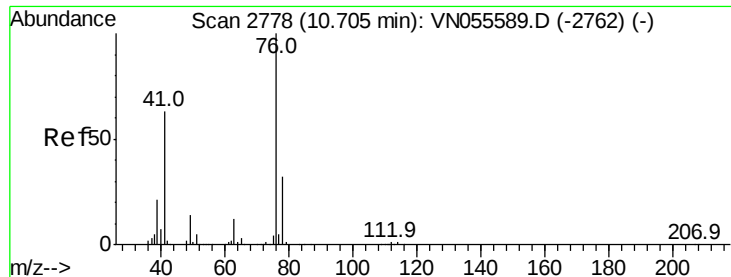
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 20.621 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

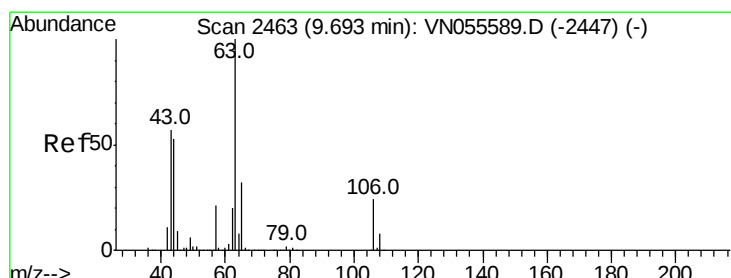
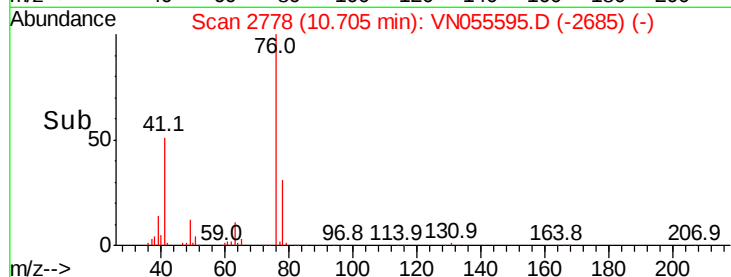
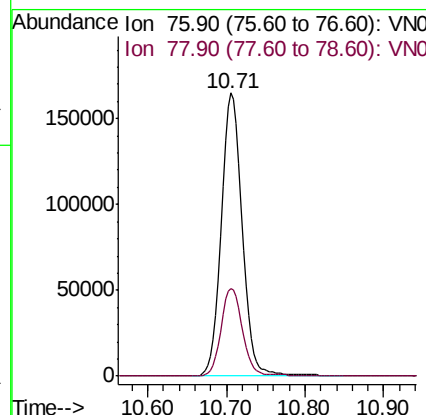
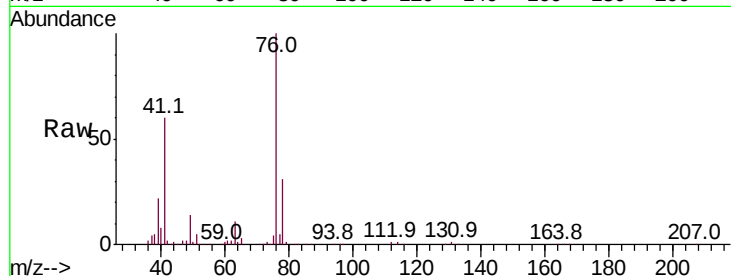
Instrument :
MSVOA_N
ClientSampleId :
VN0514WBS01

Tot Ion: 76 Resp: 302087

Ion	Ratio	Lower	Upper
76	100		
78	31.6	25.6	38.4

Manual Integrations
APPROVED

MMDadoda
5/16/2019 1:32:03 PM



#58

2-Chloroethyl Vinyl ether

Concen: 88.460 ug/l

RT: 9.70 min Scan# 2464

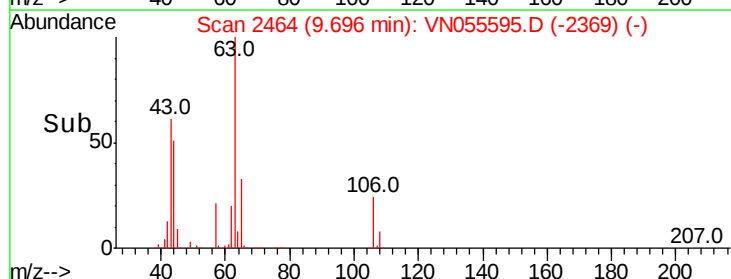
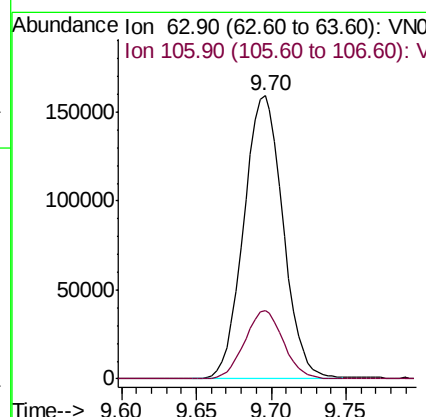
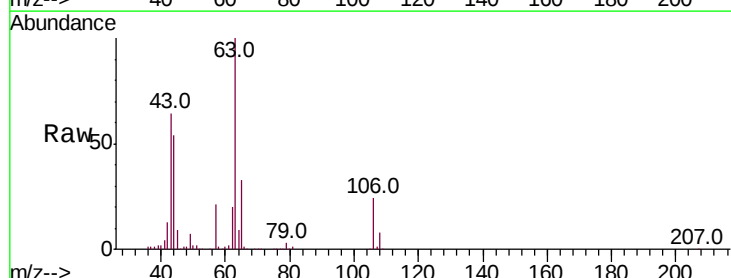
Delta R.T. 0.00 min

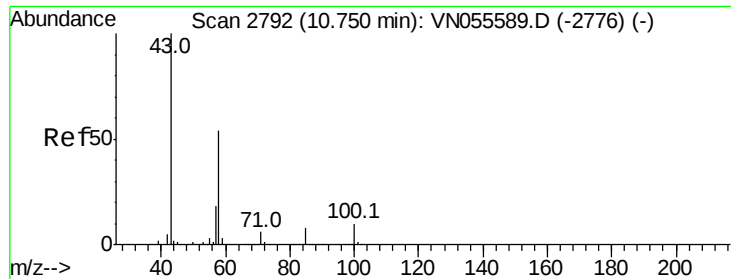
Lab File: VN055595.D

Acq: 14 May 2019 15:51

Tgt Ion: 63 Resp: 291658

Ion	Ratio	Lower	Upper
63	100		
106	23.8	19.0	28.4





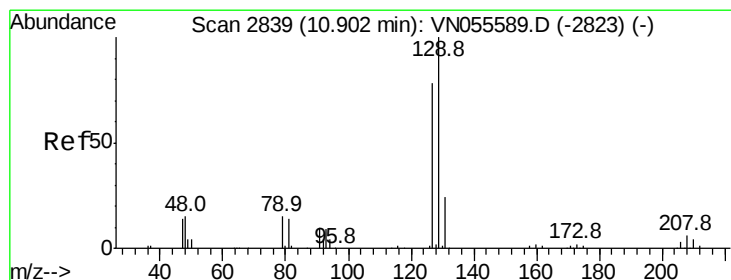
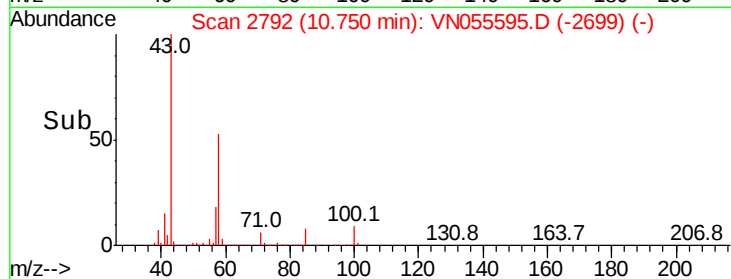
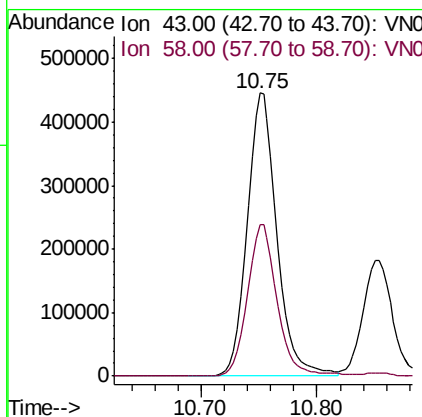
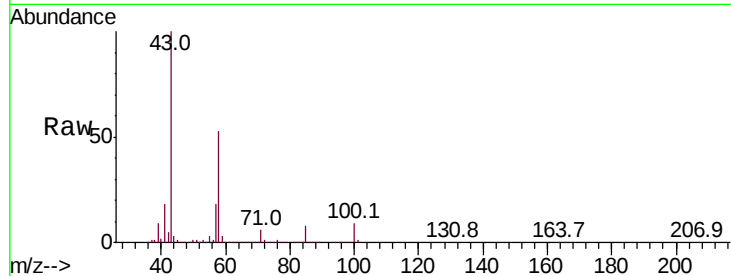
#59
2-Hexanone
Concen: 102.724 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055595.D
Acq: 14 May 2019 15:51

Instrument :
MSVOA_N
ClientSampleId :
VN0514WBS01

Tot Ion: 43 Resp: 792641
Ion Ratio Lower Upper
43 100
58 54.0 27.0 80.8

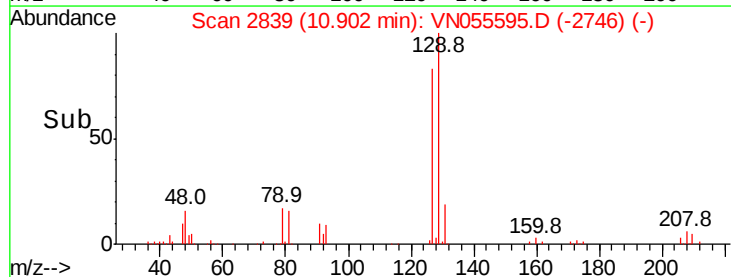
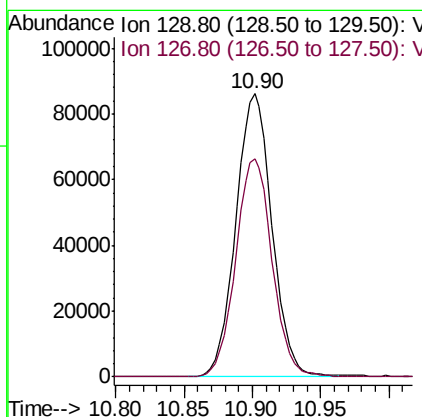
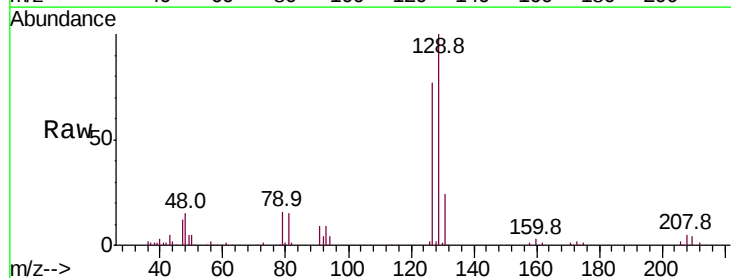
Manual Integrations
APPROVED

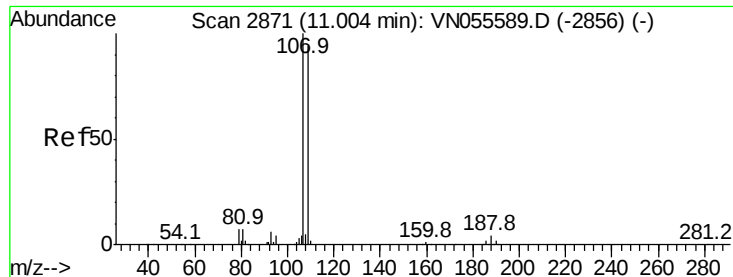
MMDadoda
5/16/2019 1:32:03 PM



#60
Dibromochloromethane
Concen: 20.546 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055595.D
Acq: 14 May 2019 15:51

Tgt Ion: 129 Resp: 158377
Ion Ratio Lower Upper
129 100
127 77.7 39.1 117.2





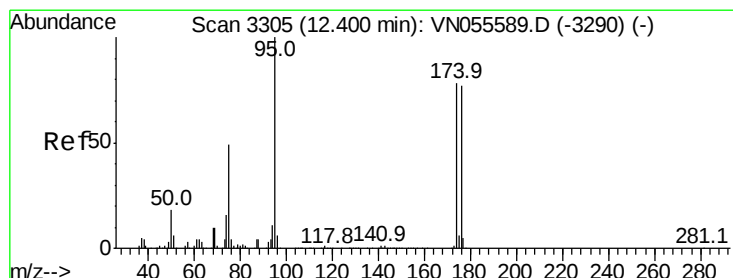
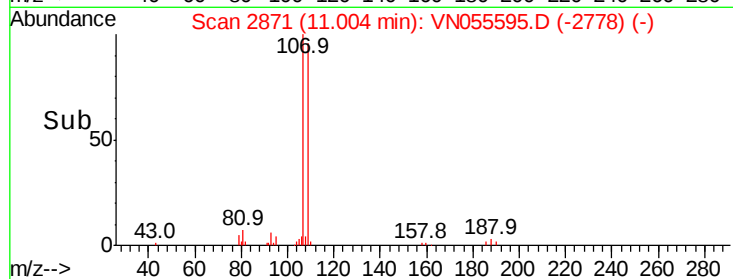
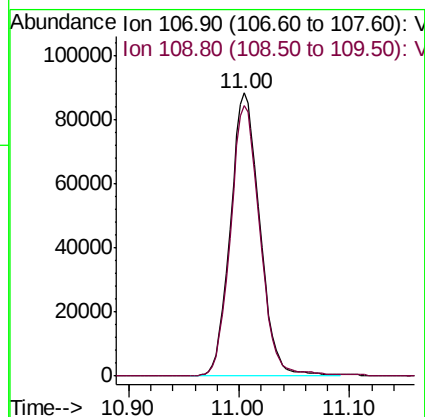
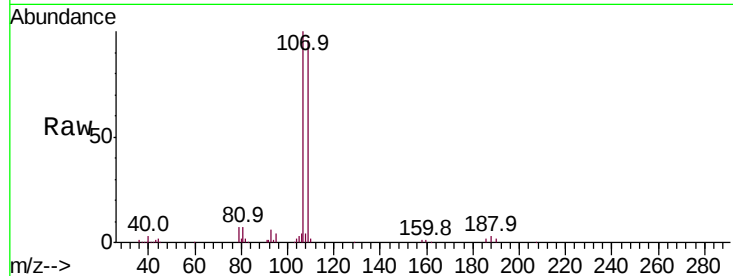
#61
 1,2-Dibromoethane
 Concen: 20.468 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055595.D
 Acq: 14 May 2019 15:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0514WBS01

Tot Ion	Ratio	Resp	Lower	Upper
107	100	163877		
109	95.8	75.8	113.8	

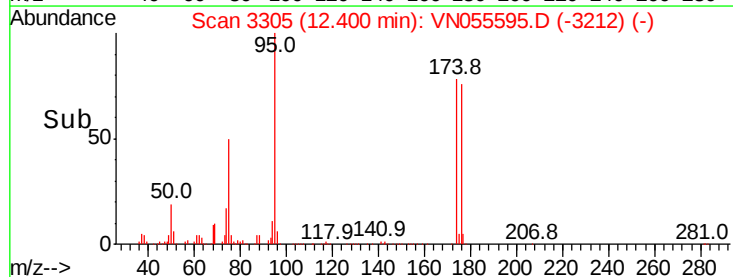
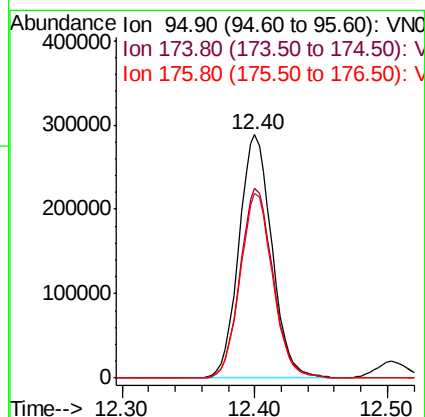
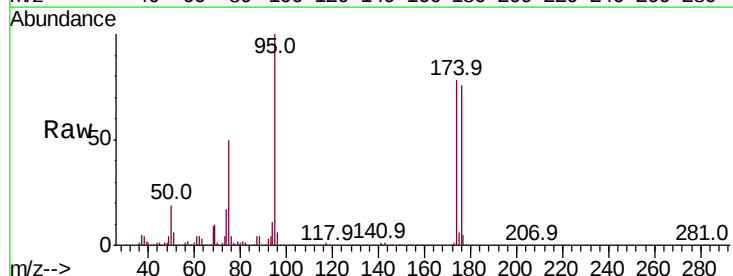
Manual Integrations
 APPROVED

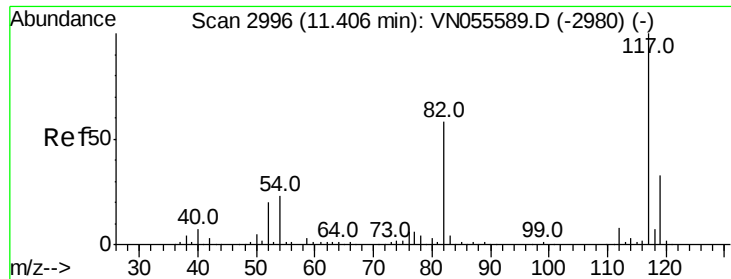
MMDadoda
 5/16/2019 1:32:03 PM



#62
 4-Bromofluorobenzene
 Concen: 51.160 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055595.D
 Acq: 14 May 2019 15:51

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	497237		
174	78.1	0.0	158.4	
176	75.3	0.0	153.4	





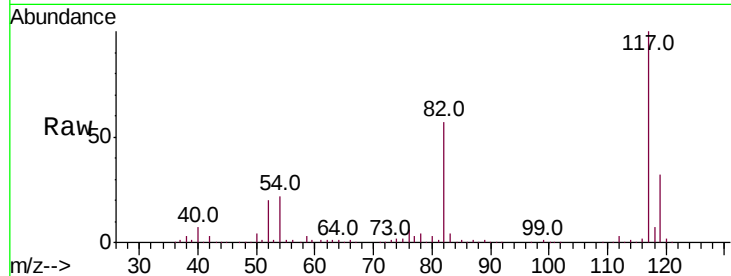
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055595.D
Acq: 14 May 2019 15:51

Instrument :
MSVOA_N
ClientSampleId :
VN0514WBS01

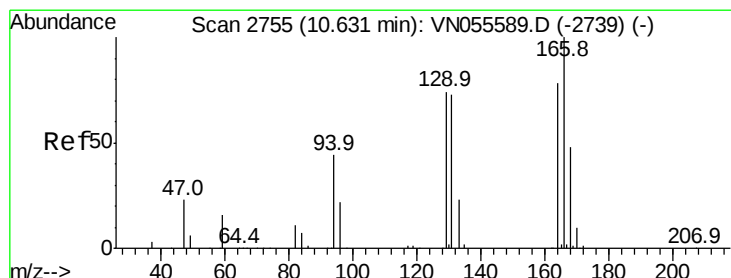
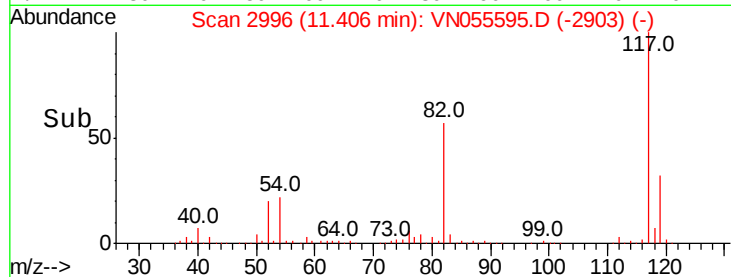
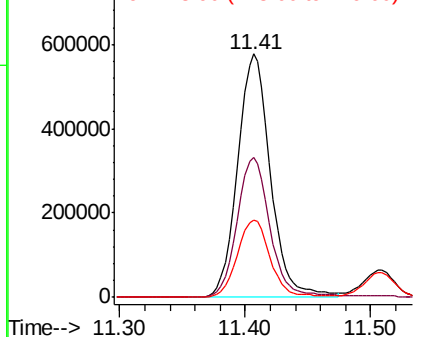
Tot Ion:117 Resp: 1050333
Ion Ratio Lower Upper
117 100
82 57.4 46.7 70.1
119 31.9 26.0 39.0

Manual Integrations
APPROVED

MMDadoda
5/16/2019 1:32:03 PM



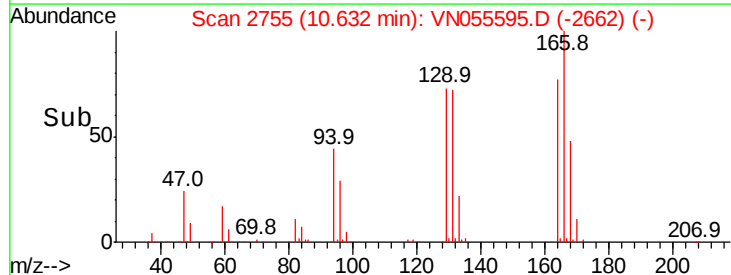
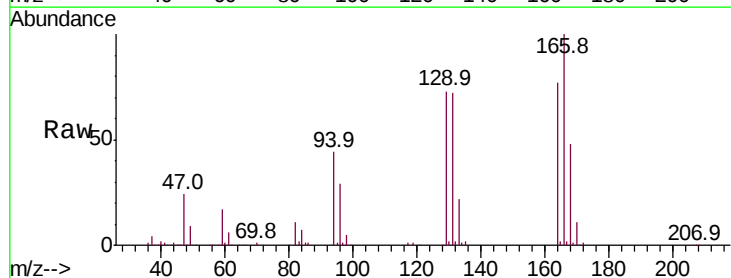
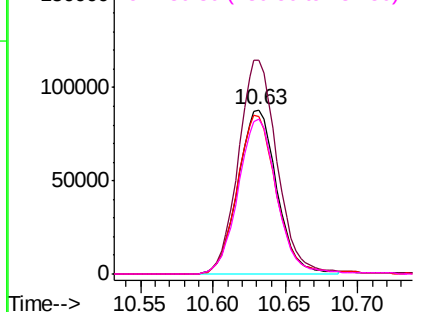
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

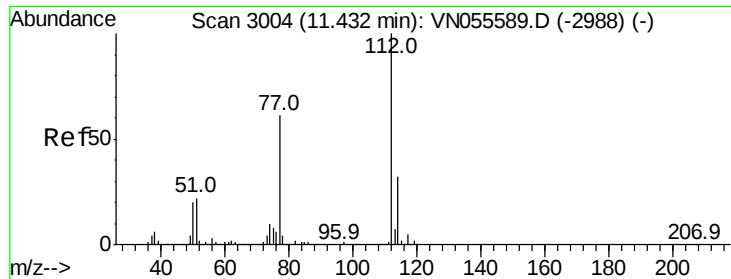


#64
Tetrachloroethene
Concen: 19.502 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055595.D
Acq: 14 May 2019 15:51

Tgt Ion:164 Resp: 163618
Ion Ratio Lower Upper
164 100
166 130.1 102.1 153.1
129 95.6 75.8 113.8
131 94.2 74.6 111.8

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





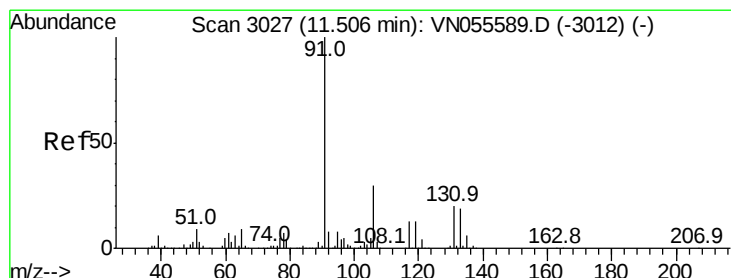
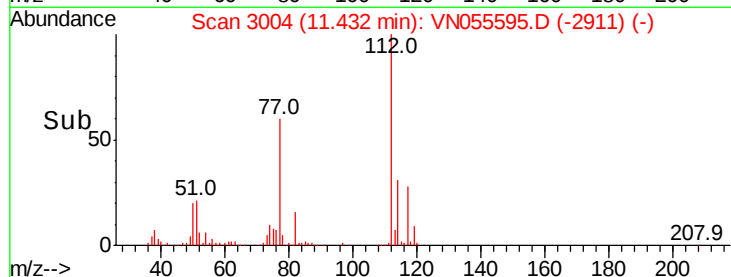
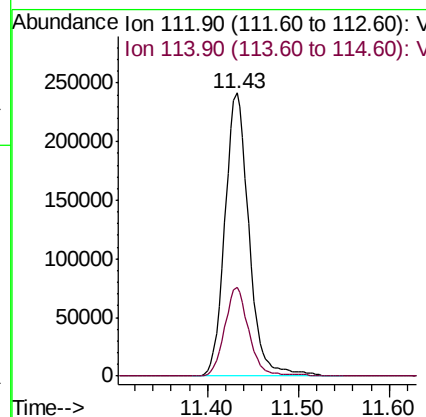
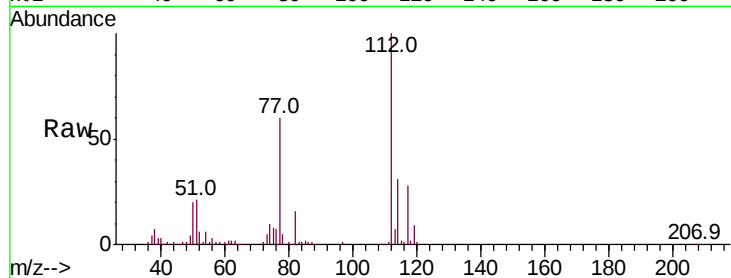
#65
Chlorobenzene
Concen: 20.334 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055595.D
Acq: 14 May 2019 15:51

Instrument :
MSVOA_N
ClientSampled :
VN0514WBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	443192		
114	31.4	25.4	38.2	

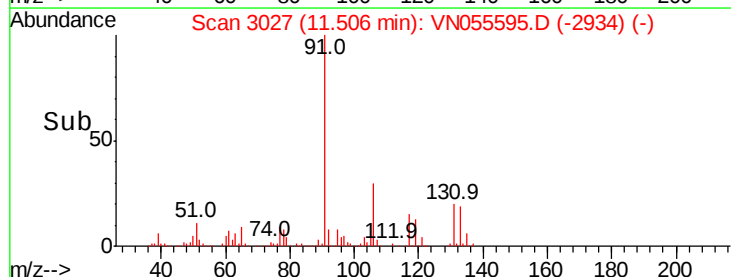
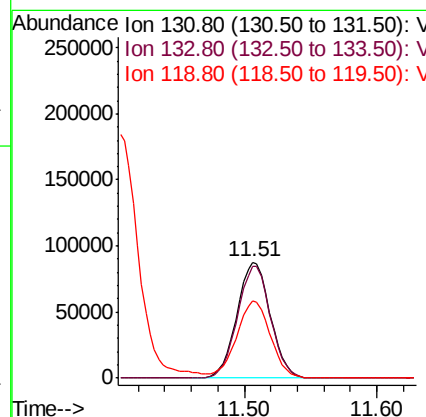
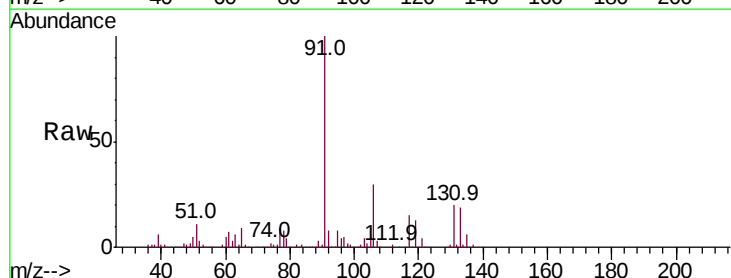
Manual Integrations
APPROVED

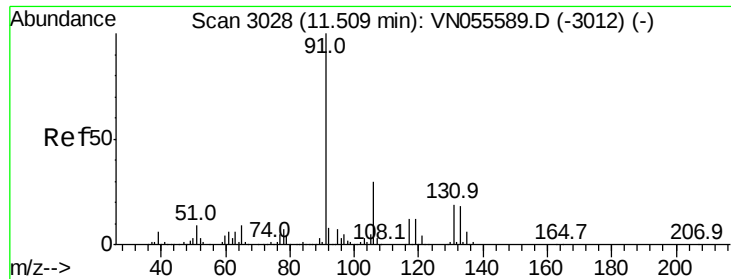
MMDadoda
5/16/2019 1:32:03 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.499 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN055595.D
Acq: 14 May 2019 15:51

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	153158		
133	95.9	47.6	142.9	
119	67.8	34.2	102.5	





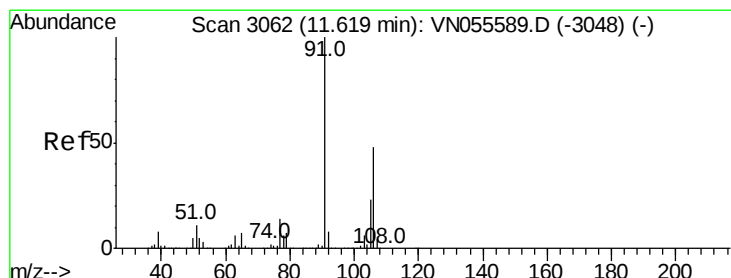
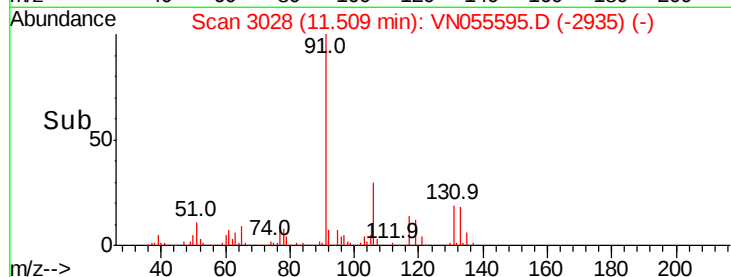
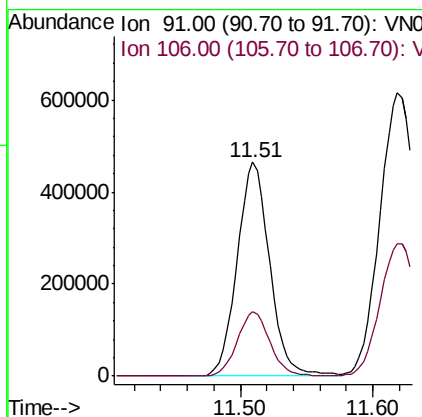
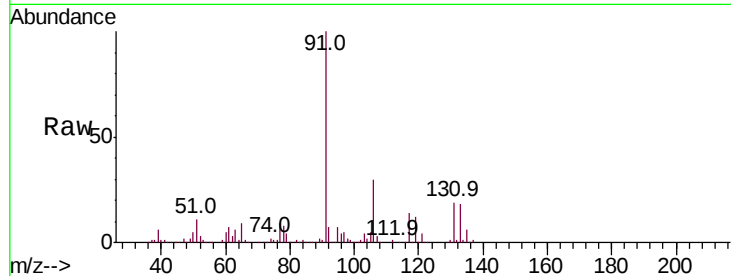
#67
Ethyl Benzene
Concen: 20.289 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055595.D
Acq: 14 May 2019 15:51

Instrument :
MSVOA_N
ClientSampleId :
VN0514WBS01

Tot Ion: 91 Resp: 793142
Ion Ratio Lower Upper
91 100
106 30.0 24.1 36.1

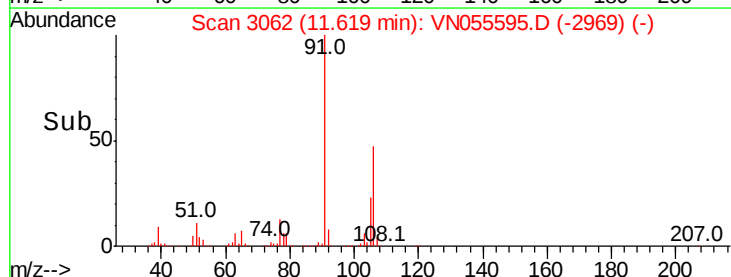
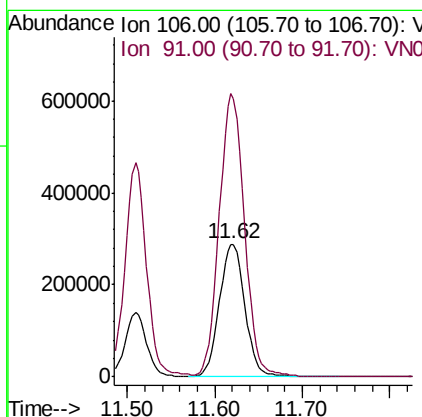
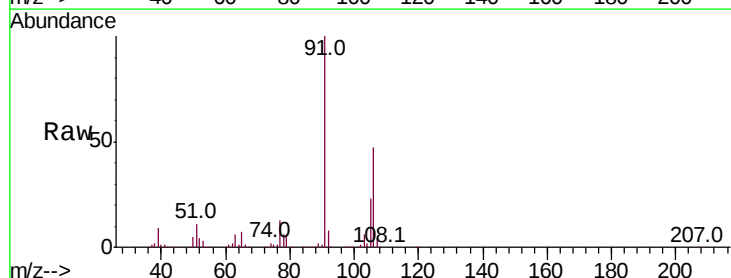
Manual Integrations
APPROVED

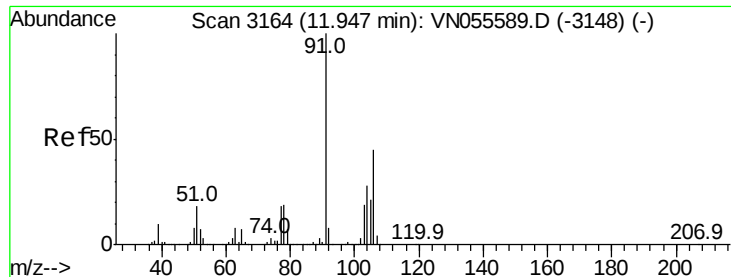
MMDadoda
5/16/2019 1:32:03 PM



#68
m/p-Xylenes
Concen: 40.998 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055595.D
Acq: 14 May 2019 15:51

Tgt Ion: 106 Resp: 585805
Ion Ratio Lower Upper
106 100
91 211.3 167.5 251.3





#69

o-Xylene

Concen: 20.797 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

Instrument :

MSVOA_N

ClientSampleId :

VN0514WBS01

Tot Ion:106 Resp: 289189

Ion Ratio Lower Upper

106 100

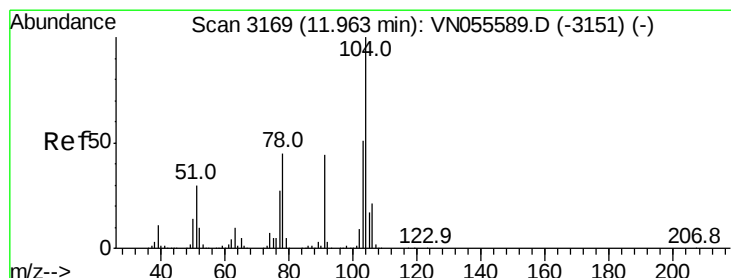
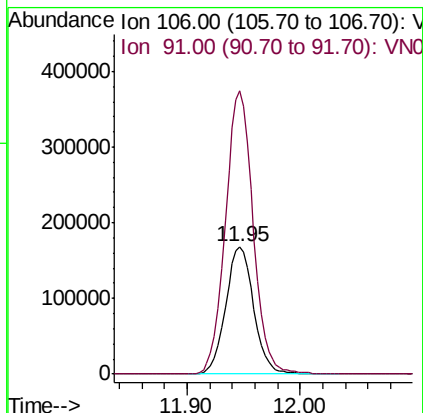
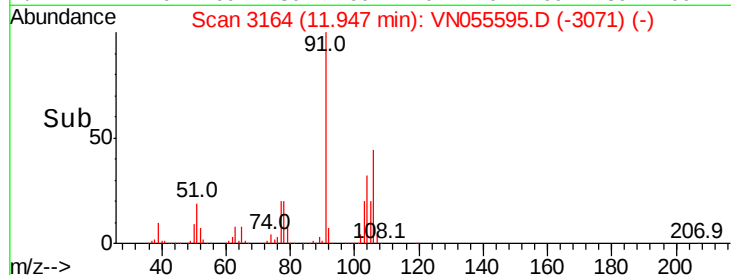
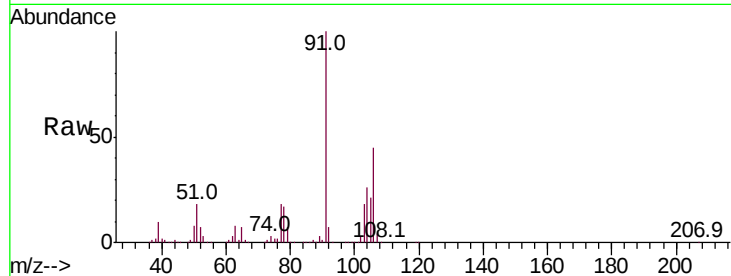
91 220.3 110.2 330.6

Manual Integrations

APPROVED

MMDadoda

5/16/2019 1:32:03 PM



#70

Styrene

Concen: 20.992 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

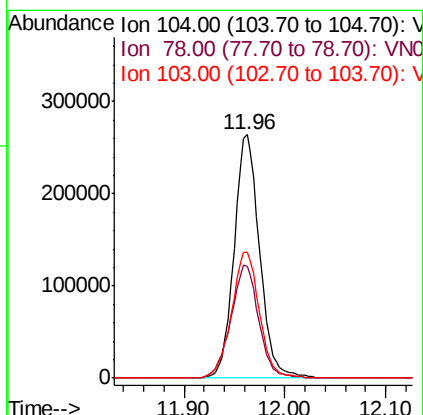
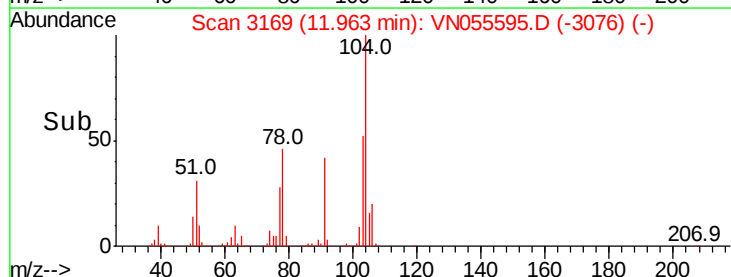
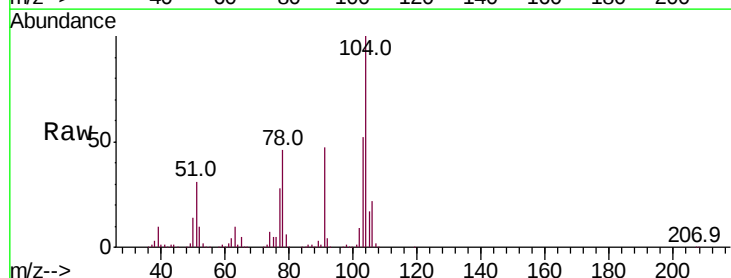
Tgt Ion:104 Resp: 464199

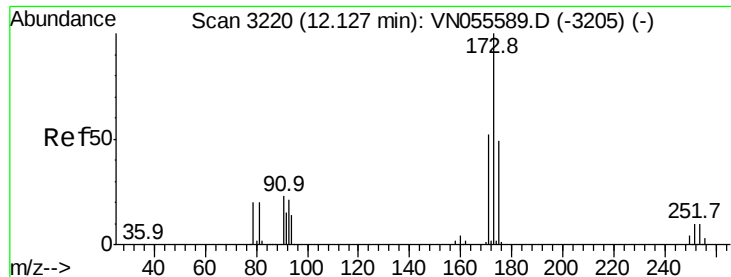
Ion Ratio Lower Upper

104 100

78 50.6 40.8 61.2

103 56.5 44.6 67.0





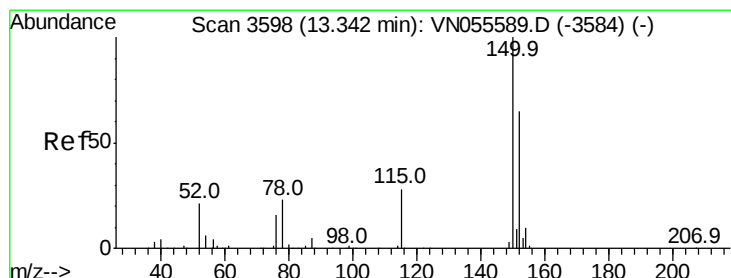
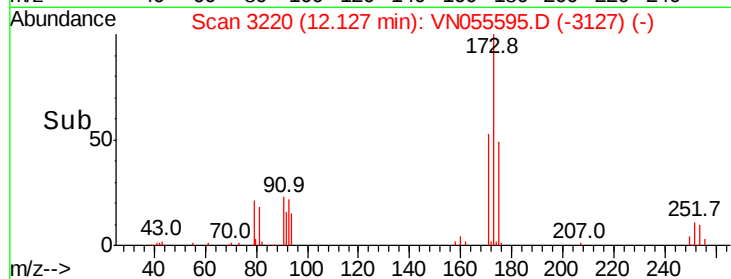
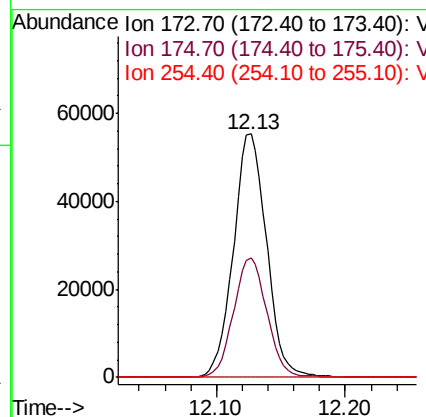
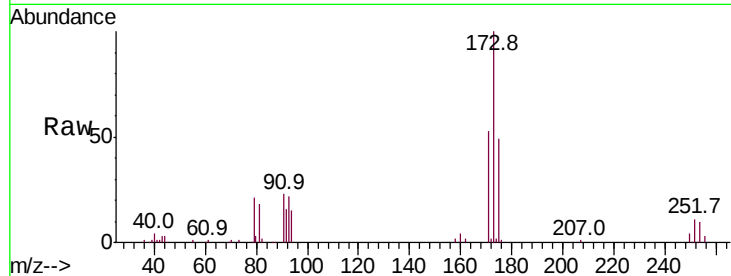
#71
Bromoform
Concen: 20.253 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055595.D
Acq: 14 May 2019 15:51

Instrument :
MSVOA_N
ClientSampleId :
VN0514WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.4	73.4
254	0.0	0.1	0.1#

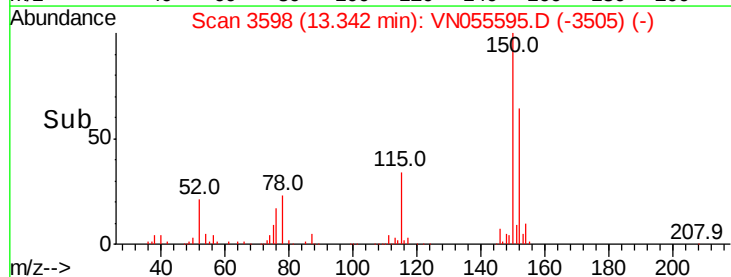
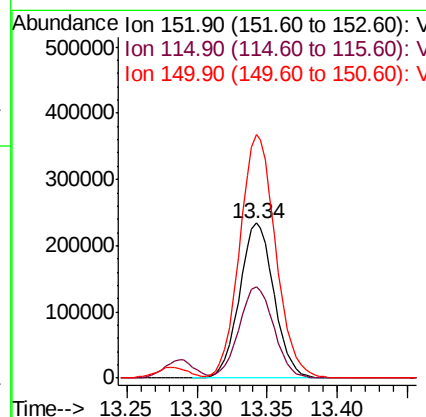
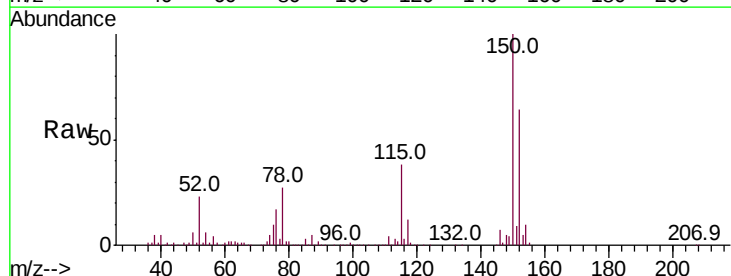
Manual Integrations
APPROVED

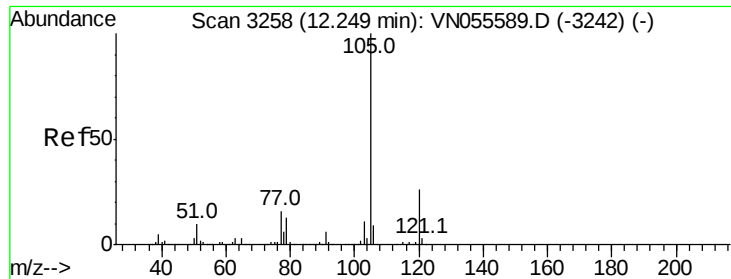
MMDadoda
5/16/2019 1:32:03 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055595.D
Acq: 14 May 2019 15:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.8	29.8	89.4
150	163.3	0.0	346.6





#73

Isopropylbenzene

Concen: 19.470 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

Instrument :

MSVOA_N

ClientSampled :

VN0514WBS01

Tot Ion:105 Resp: 760940

Ion Ratio Lower Upper

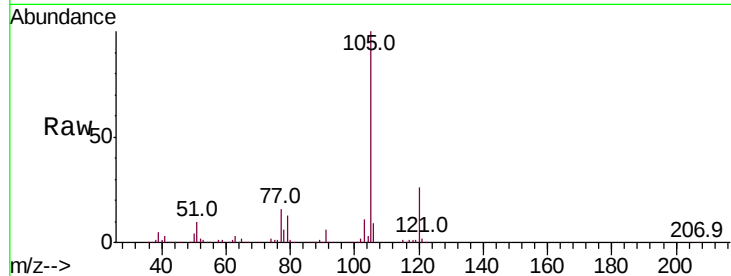
105 100

120 25.5 13.0 39.0

Manual Integrations
APPROVED

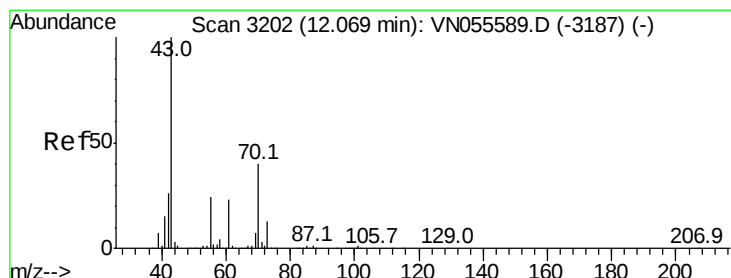
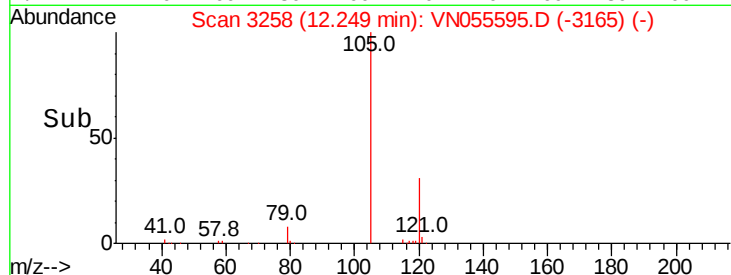
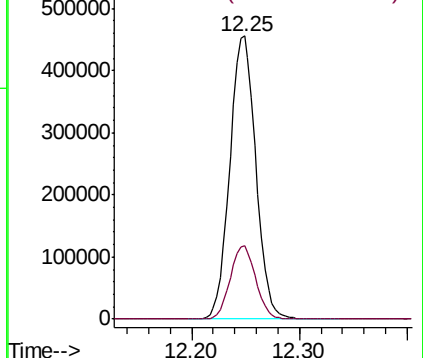
MMDadoda

5/16/2019 1:32:03 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.181 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

Tgt Ion: 43 Resp: 278343

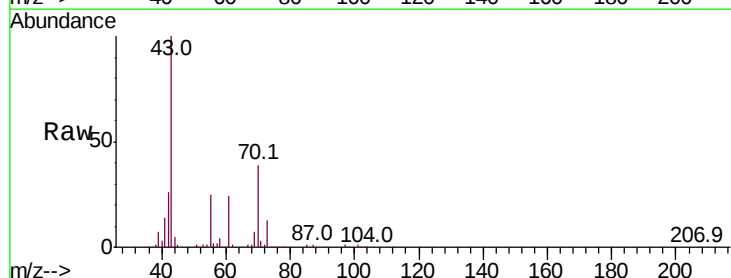
Ion Ratio Lower Upper

43 100

70 40.5 31.8 47.6

55 25.7 19.7 29.5

61 23.6 19.0 28.4

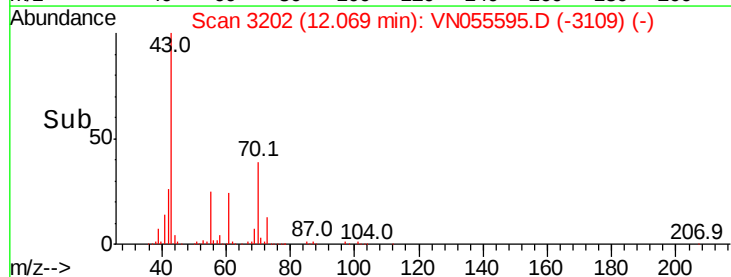
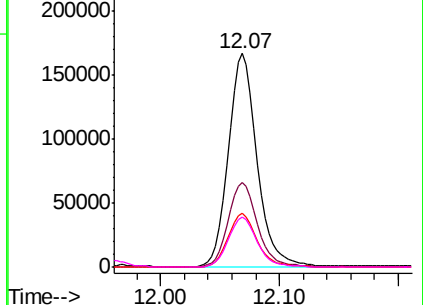


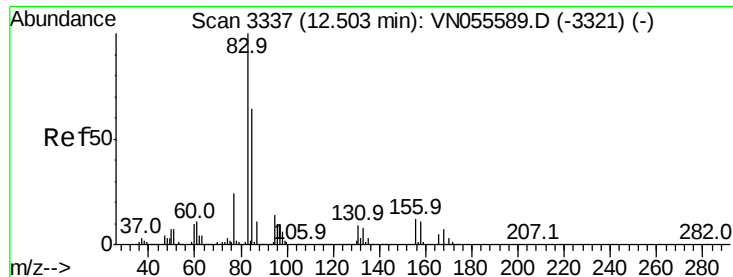
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.955 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

Instrument :

MSVOA_N

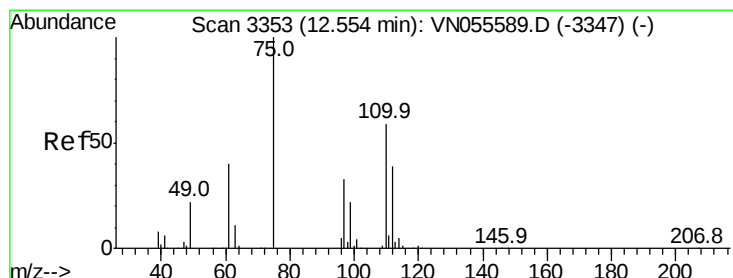
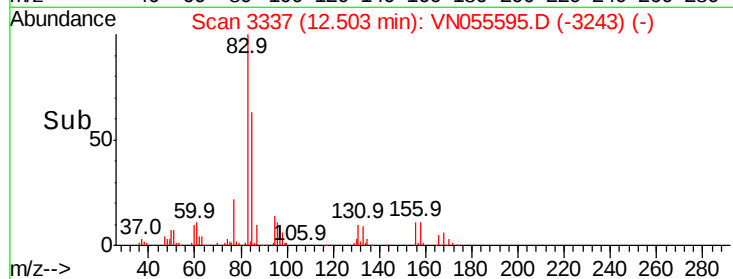
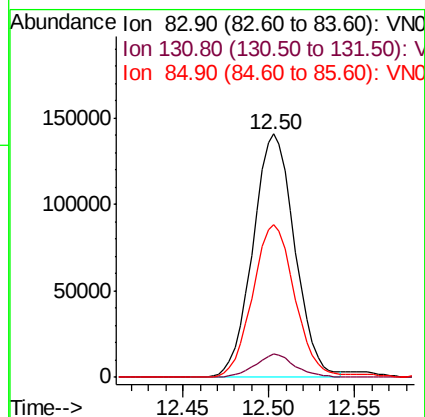
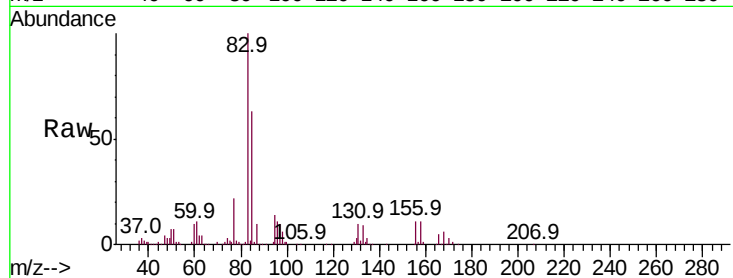
ClientSampleId :

VN0514WBS01

Tot Ion:	83	Resp:	237443
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.6	13.8
85	62.8	32.2	96.6

Manual Integrations
APPROVED

MMDadoda
5/16/2019 1:32:03 PM



#76

1,2,3-Trichloropropane

Concen: 20.814 ug/l m

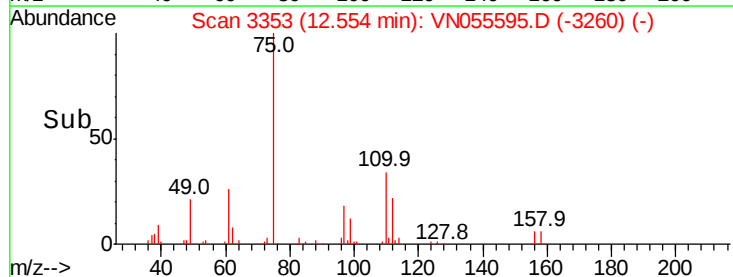
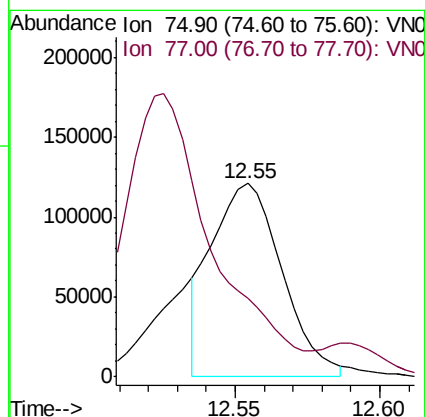
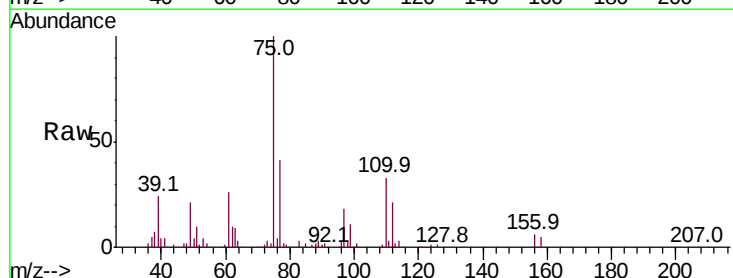
RT: 12.55 min Scan# 3353

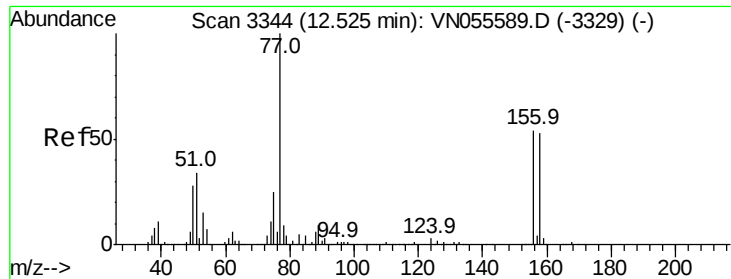
Delta R.T. 0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

Tgt Ion:	75	Resp:	205952
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.549 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

Instrument :

MSVOA_N

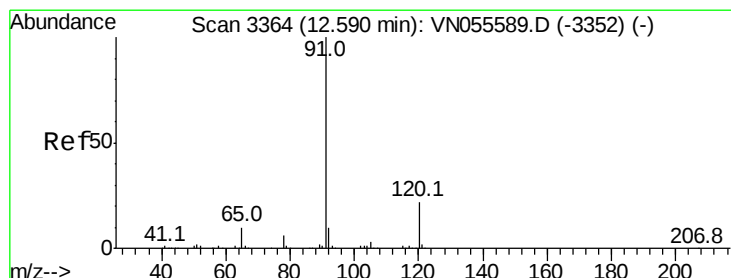
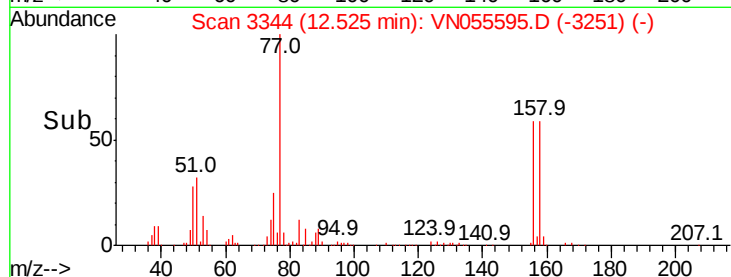
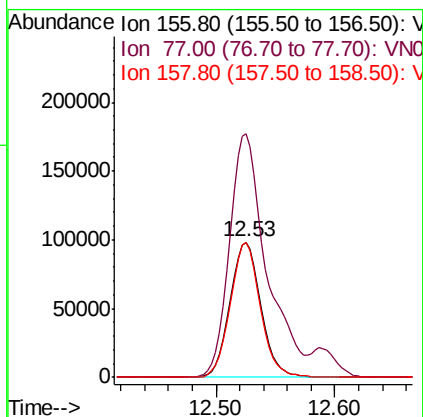
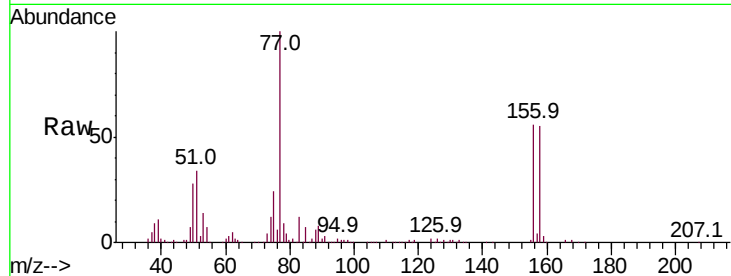
ClientSampleId :

VN0514WBS01

Tot Ion:	156	Resp:	176274
Ion Ratio	Lower	Upper	
156	100		
77	217.6	108.9	326.7
158	97.2	48.1	144.3

Manual Integrations
APPROVED

MMDadoda
5/16/2019 1:32:03 PM



#78

n-propylbenzene

Concen: 20.181 ug/l

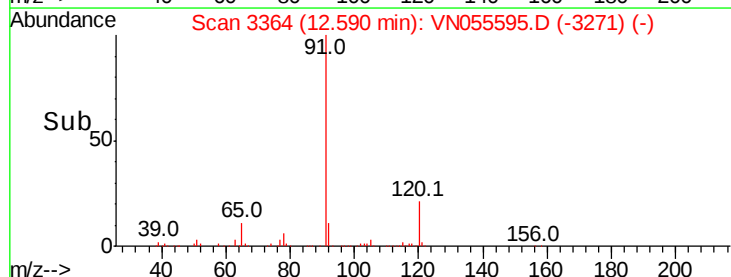
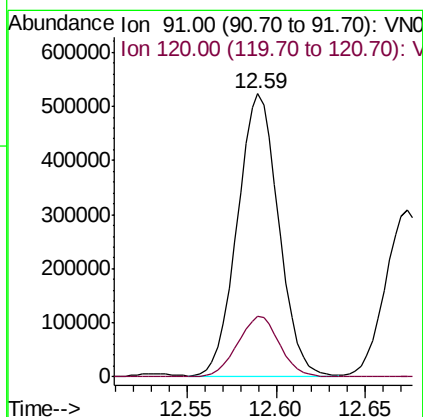
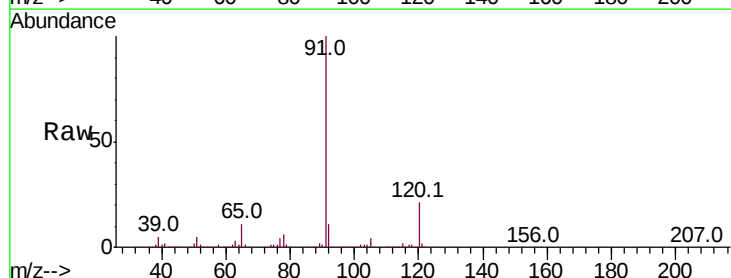
RT: 12.59 min Scan# 3364

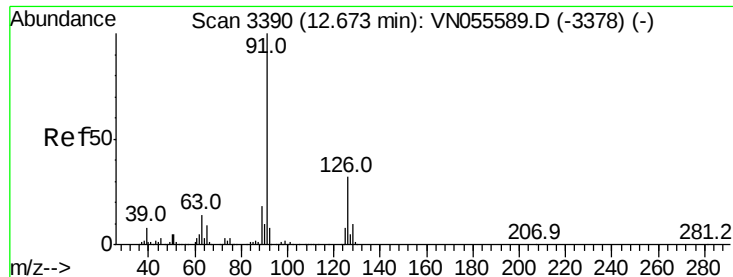
Delta R.T. 0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

Tgt Ion:	91	Resp:	840935
Ion Ratio	Lower	Upper	
91	100		
120	21.8	11.0	33.0





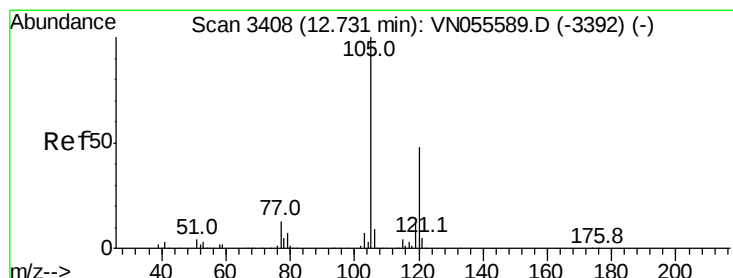
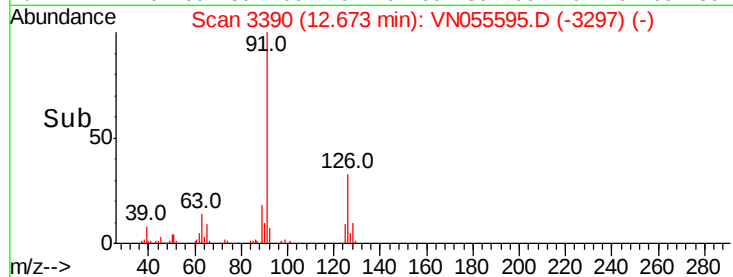
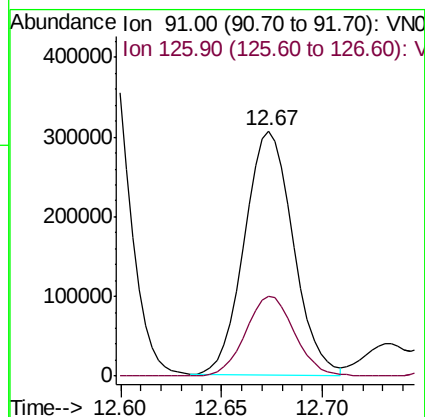
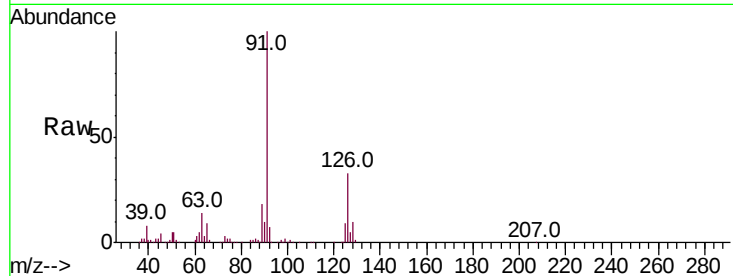
#79
 2-Chlorotoluene
 Concen: 19.605 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN055595.D
 Acq: 14 May 2019 15:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0514WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.6	49.7

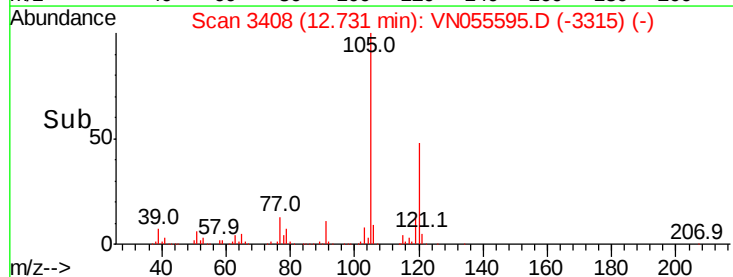
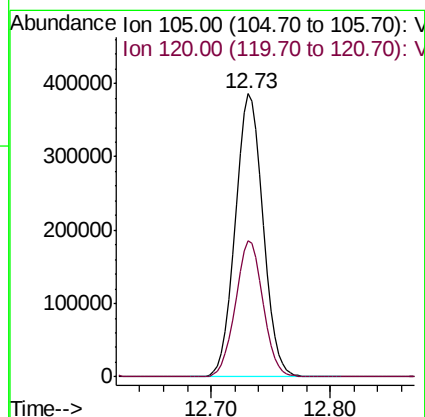
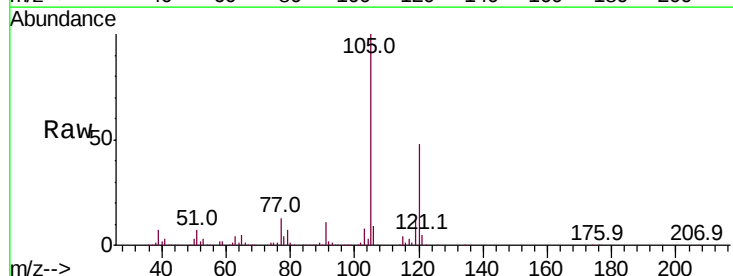
Manual Integrations
 APPROVED

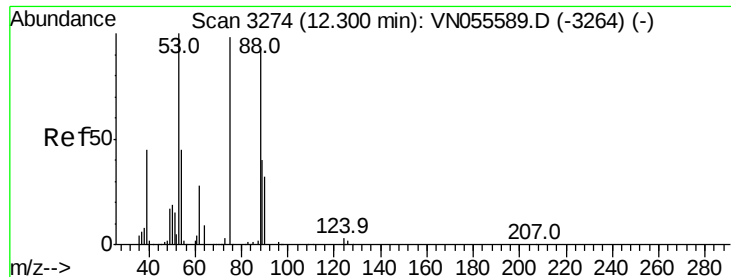
MMDadoda
 5/16/2019 1:32:03 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.139 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN055595.D
 Acq: 14 May 2019 15:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.0	23.8	71.2





#81

trans-1,4-Dichloro-2-butene

Concen: 20.373 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

Instrument :

MSVOA_N

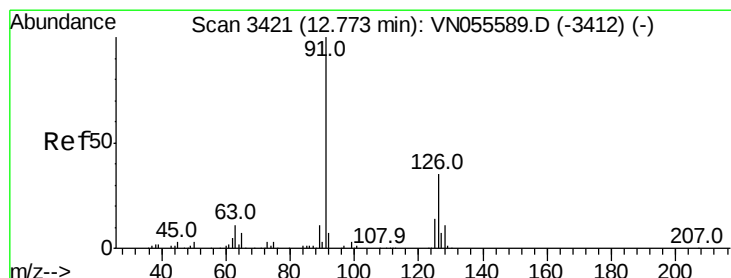
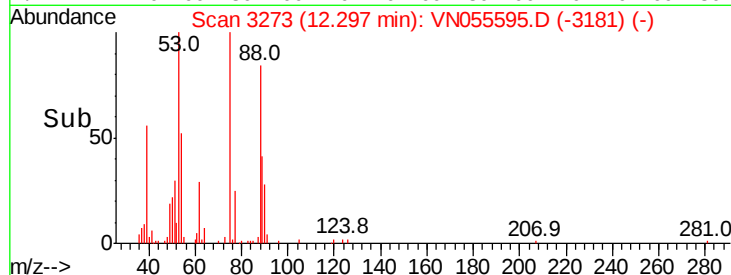
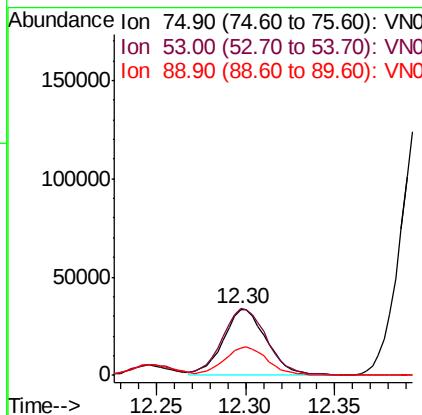
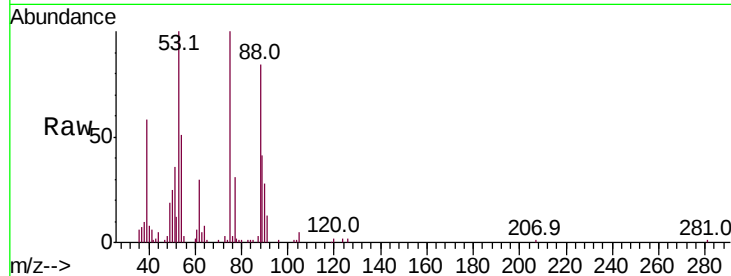
ClientSampleId :

VN0514WBS01

Tot Ion:	75	Resp:	56674
Ion	Ratio	Lower	Upper
75	100		
53	104.4	83.9	125.9
89	43.2	34.7	52.1

Manual Integrations
APPROVED

MMDadoda
5/16/2019 1:32:03 PM



#82

4-Chlorotoluene

Concen: 20.105 ug/l

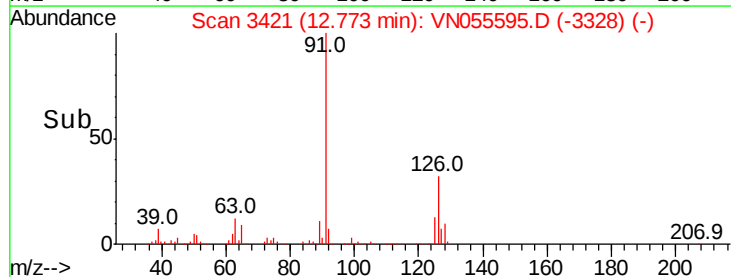
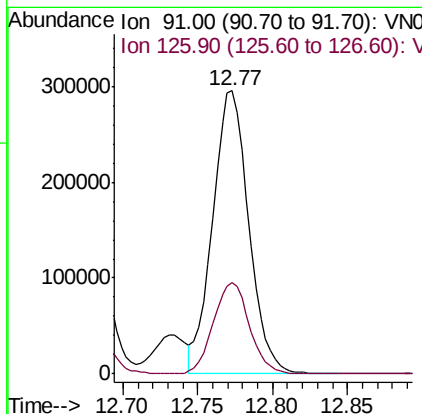
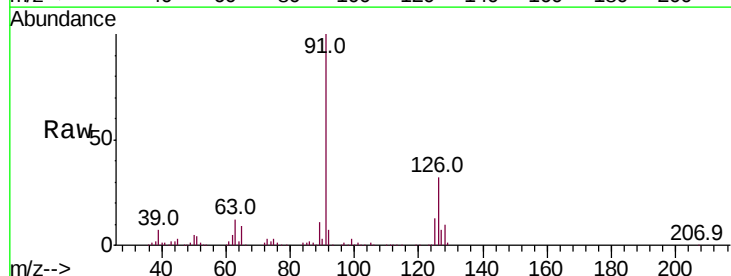
RT: 12.77 min Scan# 3421

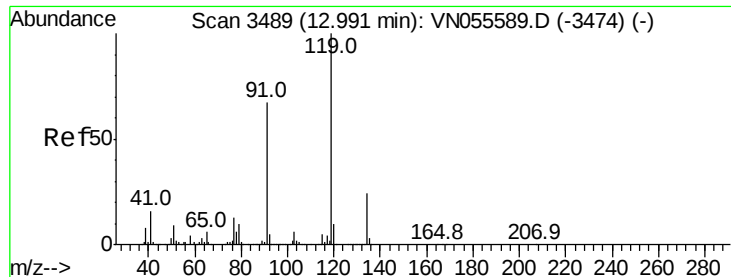
Delta R.T. 0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

Tgt Ion:	91	Resp:	495029
Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.2	48.6





#83

tert-Butylbenzene

Concen: 20.222 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

Instrument :

MSVOA_N

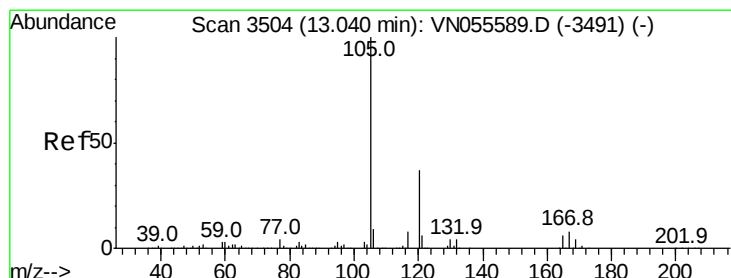
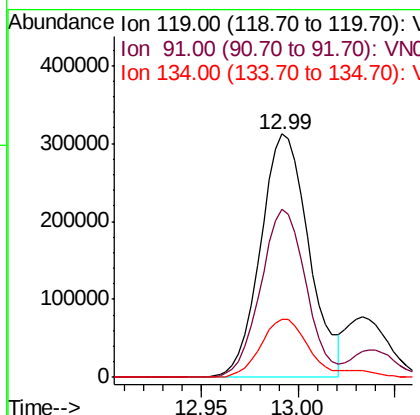
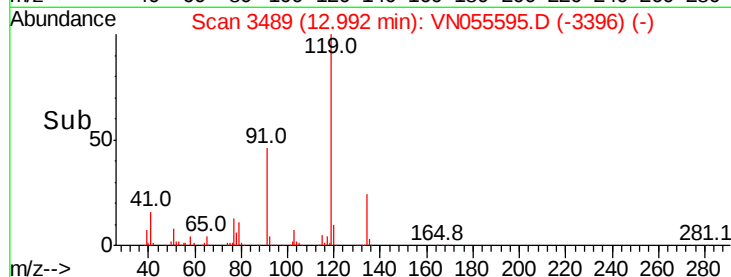
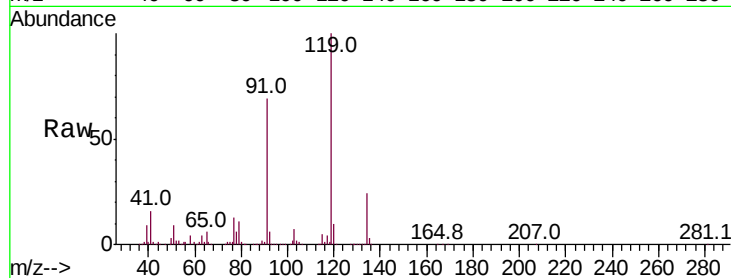
ClientSampleId :

VN0514WBS01

Tot Ion:	119	Resp:	542273
Ion Ratio	Lower	Upper	
119	100		
91	64.9	33.5	100.4
134	23.2	12.7	38.1

Manual Integrations
APPROVED

MMDadoda
5/16/2019 1:32:03 PM



#84

1,2,4-Trimethylbenzene

Concen: 20.512 ug/l

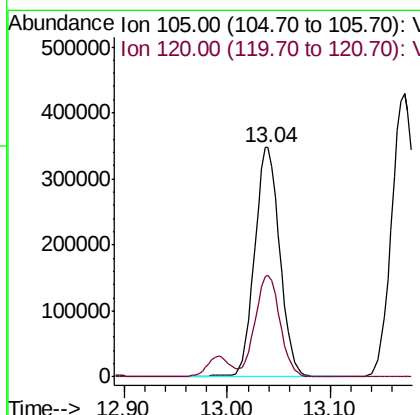
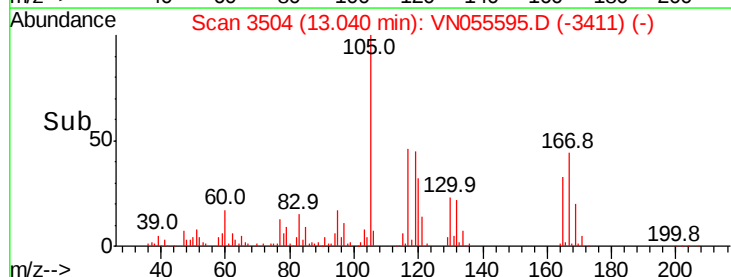
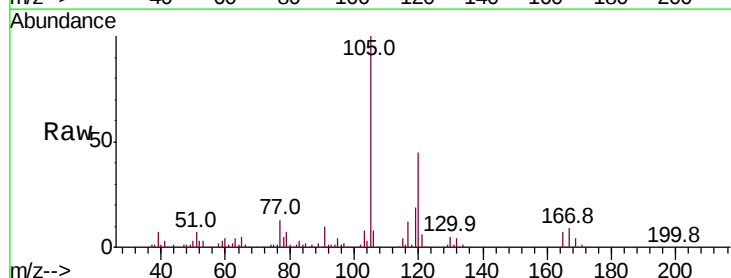
RT: 13.04 min Scan# 3504

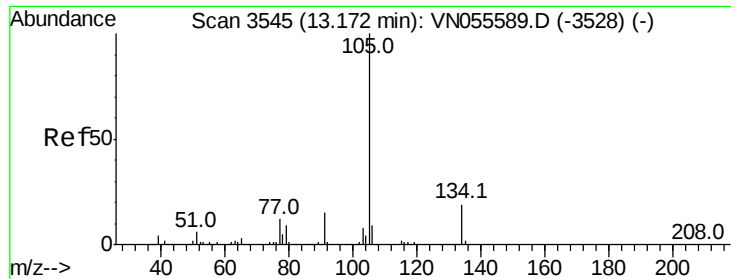
Delta R.T. 0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

Tgt Ion:	105	Resp:	585204
Ion Ratio	Lower	Upper	
105	100		
120	43.9	22.2	66.6





#85

sec-Butylbenzene

Concen: 19.945 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

Instrument :

MSVOA_N

ClientSampleId :

VN0514WBS01

Tot Ion:105 Resp: 688824

Ion Ratio Lower Upper

105 100

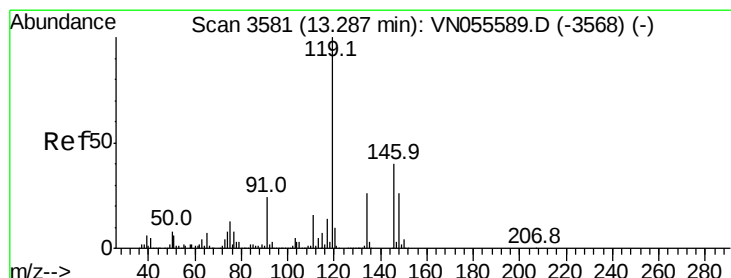
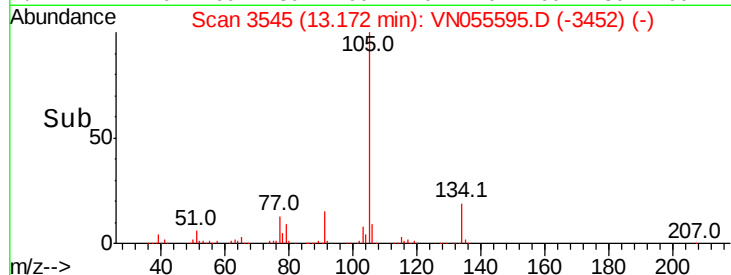
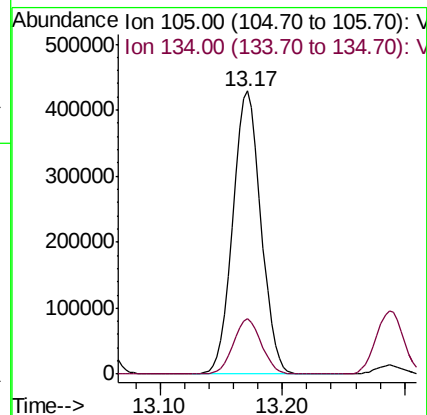
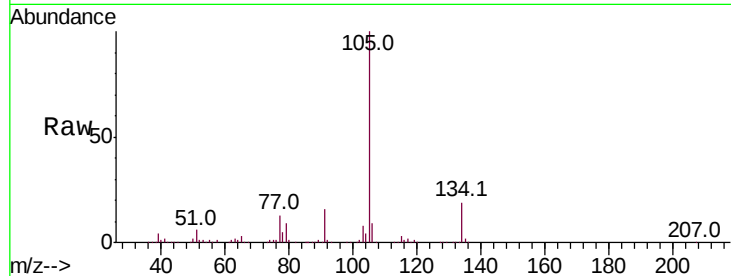
134 19.4 9.7 29.1

Manual Integrations

APPROVED

MMDadoda

5/16/2019 1:32:03 PM



#86

p-Isopropyltoluene

Concen: 20.316 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

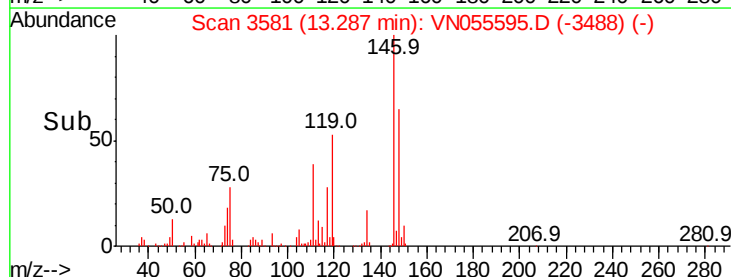
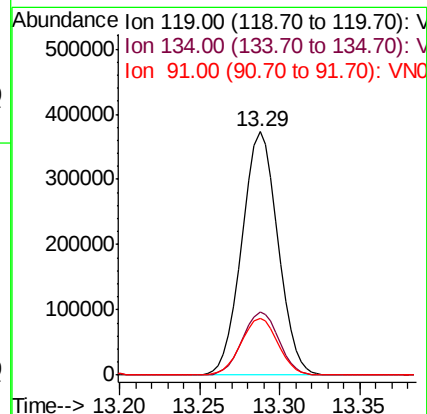
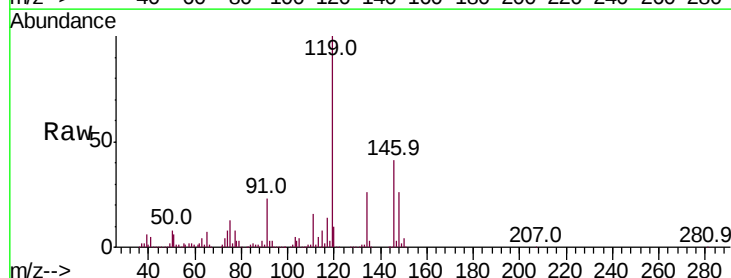
Tgt Ion:119 Resp: 568922

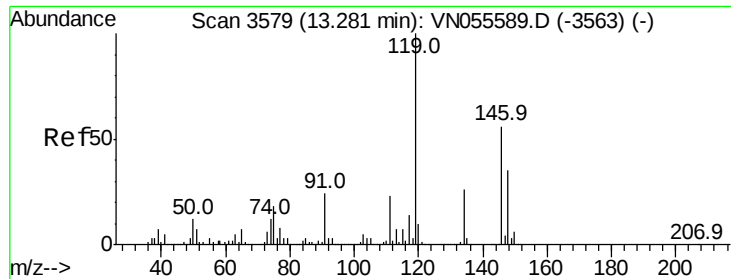
Ion Ratio Lower Upper

119 100

134 26.3 13.0 39.0

91 23.9 11.9 35.5





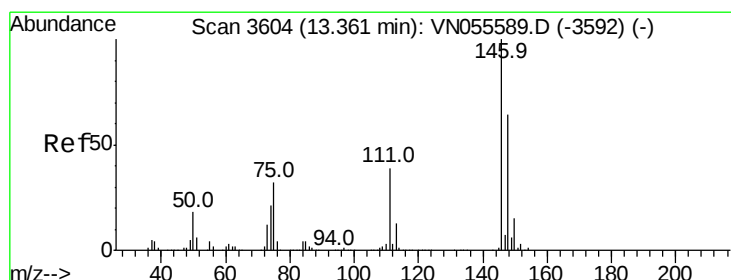
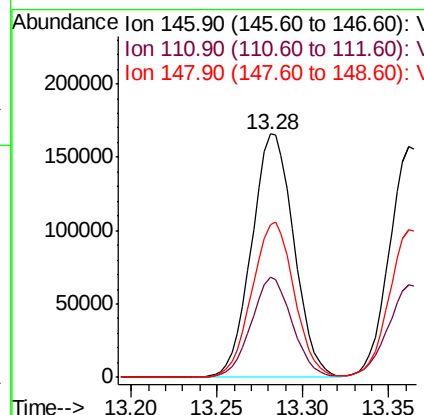
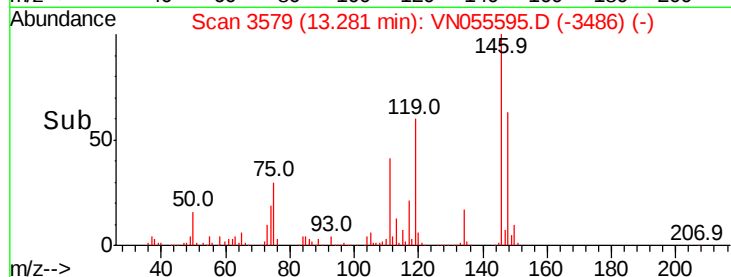
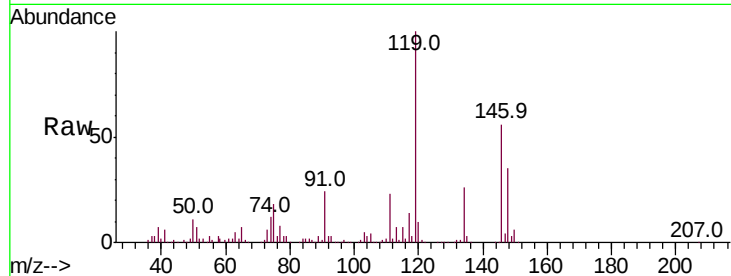
#87
 1,3-Dichlorobenzene
 Concen: 20.457 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055595.D
 Acq: 14 May 2019 15:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0514WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	283132		
111	39.7	20.5	61.5	
148	63.6	32.3	96.9	

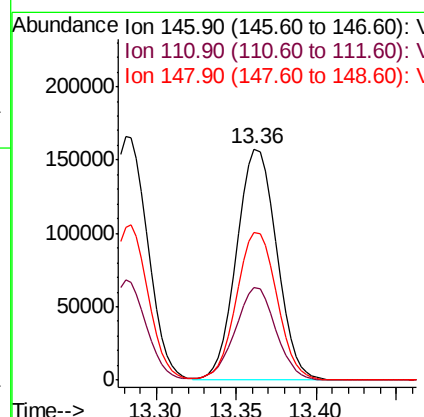
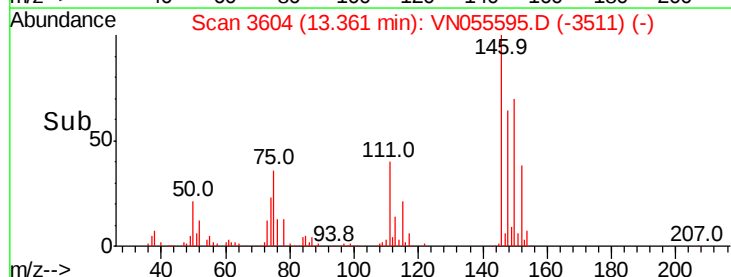
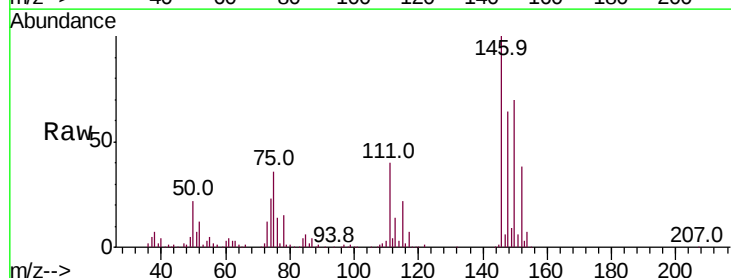
Manual Integrations
 APPROVED

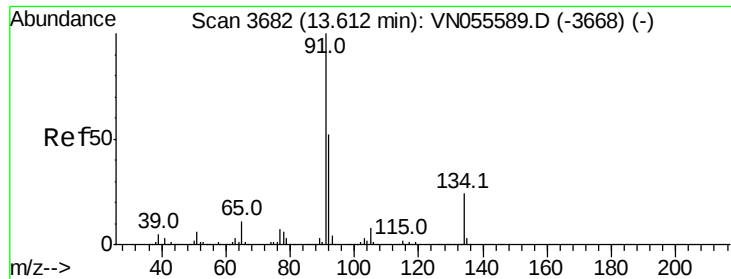
MMDadoda
 5/16/2019 1:32:03 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.713 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055595.D
 Acq: 14 May 2019 15:51

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	268437		
111	40.6	19.7	59.0	
148	65.1	31.8	95.4	





#89

n-Butylbenzene

Concen: 20.489 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

Instrument :

MSVOA_N

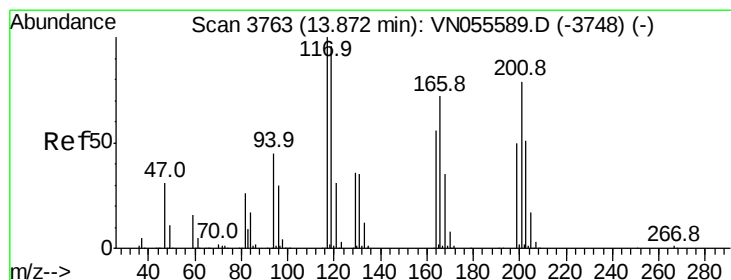
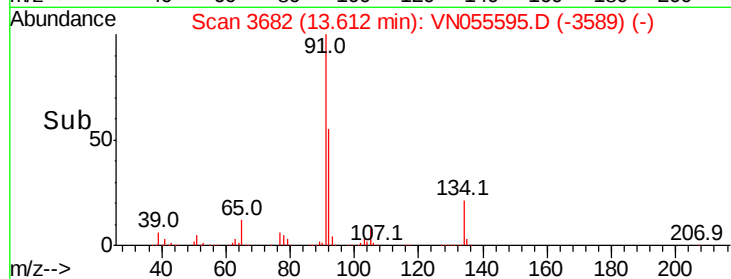
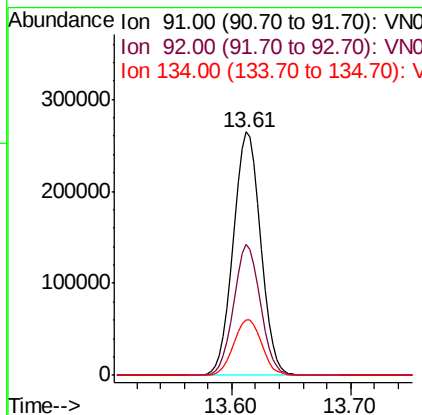
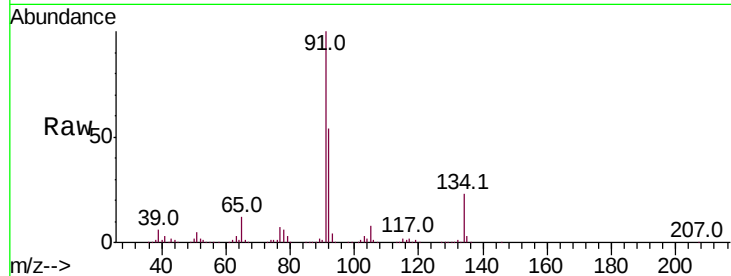
ClientSampleId :

VN0514WBS01

Tot Ion:	91	Resp:	423316
Ion	Ratio	Lower	Upper
91	100		
92	52.3	25.9	77.8
134	23.4	12.2	36.4

Manual Integrations
APPROVED

MMDadoda
5/16/2019 1:32:03 PM



#90

Hexachloroethane

Concen: 20.537 ug/l

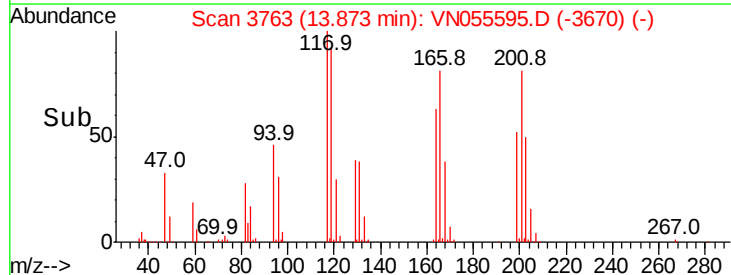
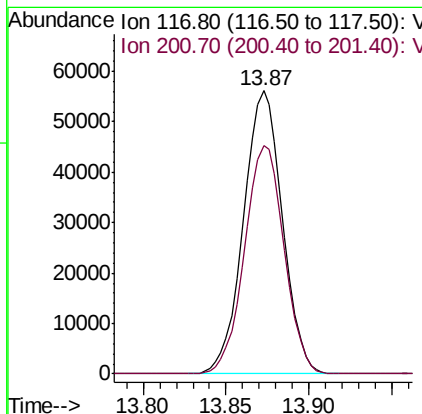
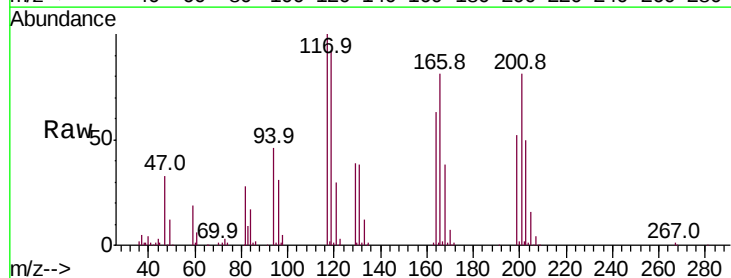
RT: 13.87 min Scan# 3763

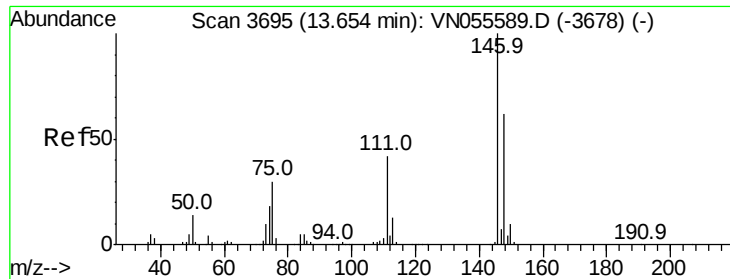
Delta R.T. 0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

Tgt Ion:	117	Resp:	91813
Ion	Ratio	Lower	Upper
117	100		
201	81.9	40.6	121.8





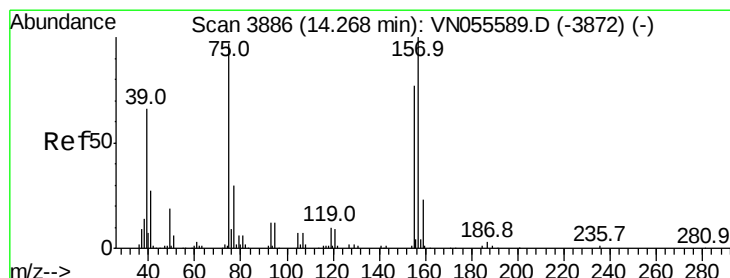
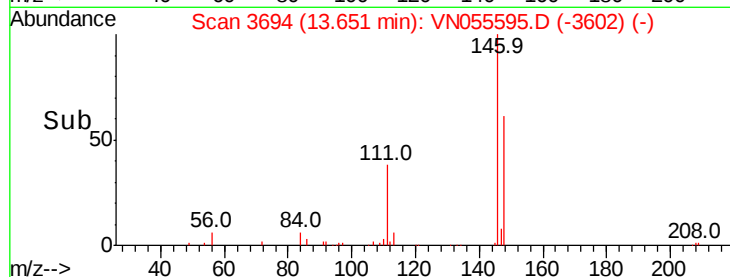
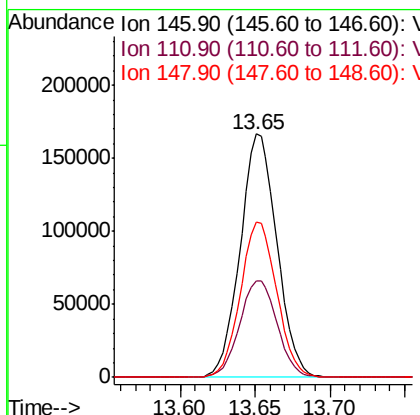
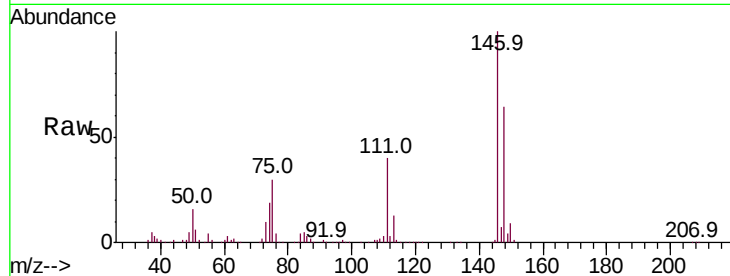
#91
 1,2-Dichlorobenzene
 Concen: 20.558 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN055595.D
 Acq: 14 May 2019 15:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0514WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	21.0	63.0
148	63.2	31.3	93.9

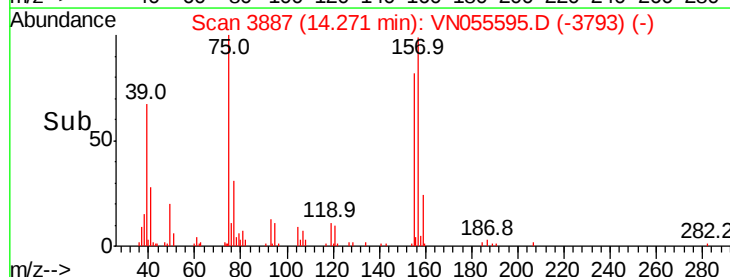
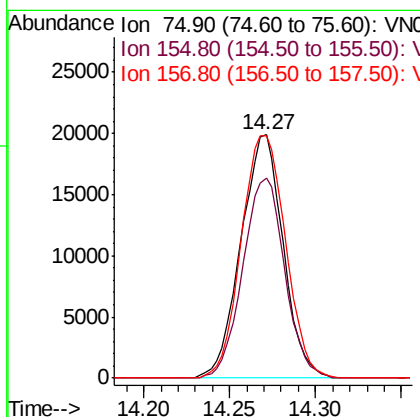
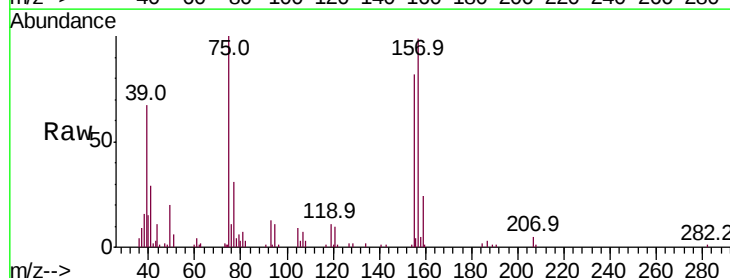
Manual Integrations
 APPROVED

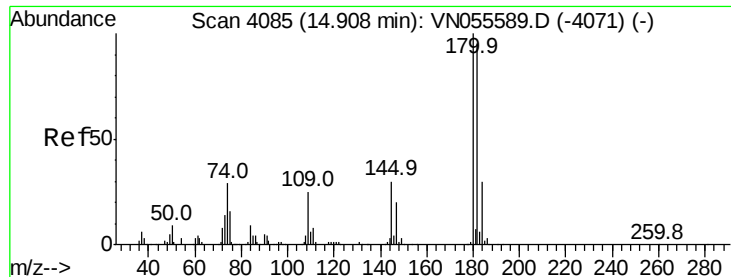
MMDadoda
 5/16/2019 1:32:03 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.246 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN055595.D
 Acq: 14 May 2019 15:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.5	40.4	121.1
157	104.5	52.1	156.4





#93

1,2,4-Trichlorobenzene

Concen: 19.904 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

Instrument :

MSVOA_N

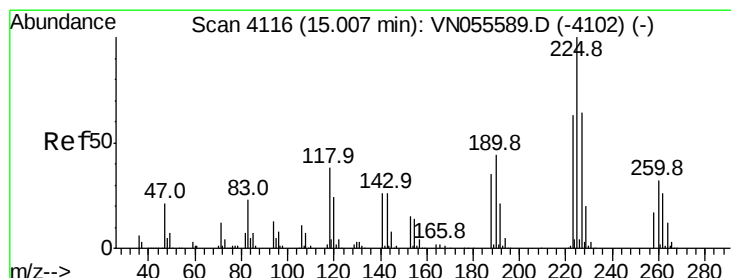
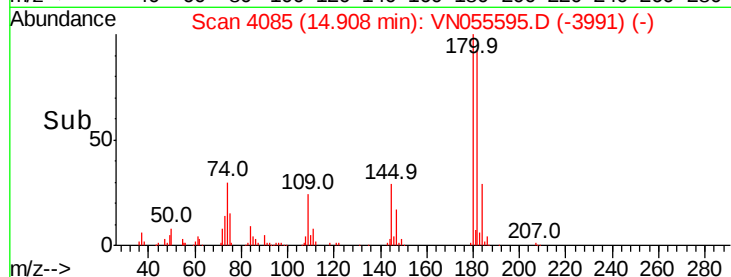
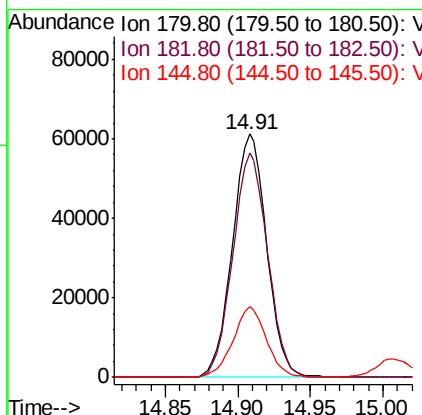
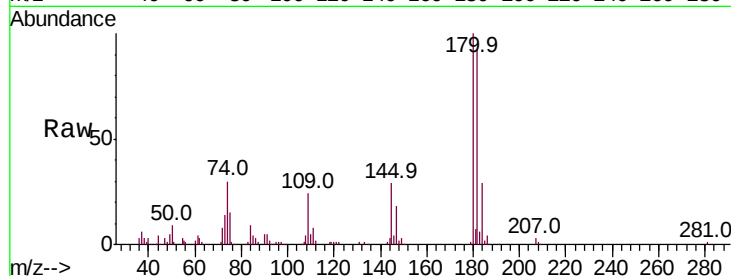
ClientSampleId :

VN0514WBS01

Tot Ion:	180	Resp:	99839
Ion Ratio	Lower	Upper	
180	100		
182	93.7	47.4	142.3
145	28.4	14.9	44.7

Manual Integrations
APPROVED

MMDadoda
5/16/2019 1:32:03 PM



#94

Hexachlorobutadiene

Concen: 22.263 ug/l

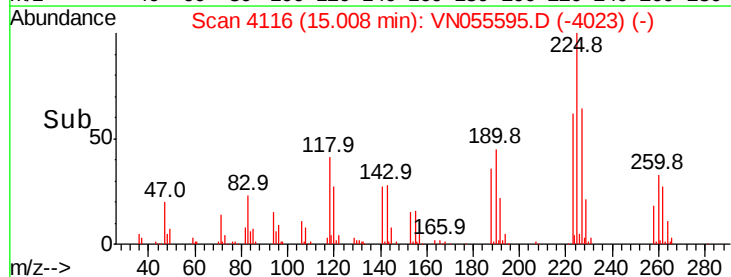
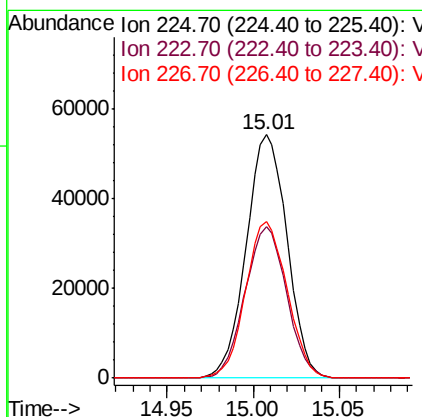
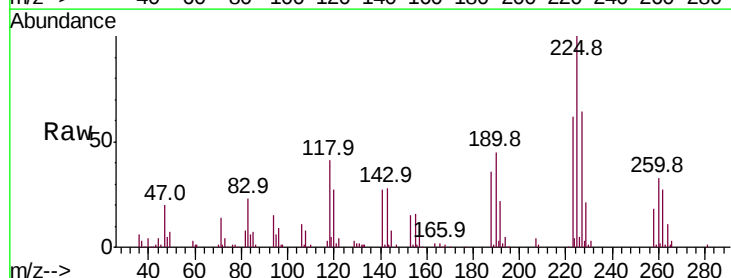
RT: 15.01 min Scan# 4116

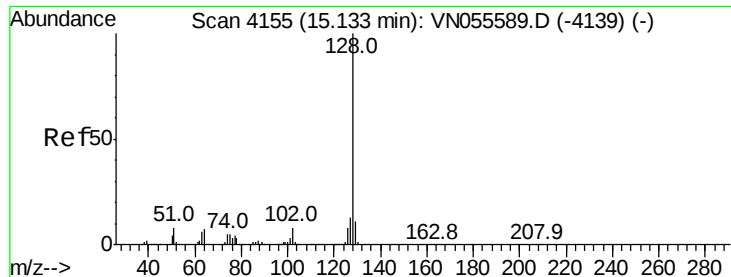
Delta R.T. 0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

Tgt Ion:	225	Resp:	89372
Ion Ratio	Lower	Upper	
225	100		
223	63.2	31.6	95.0
227	65.4	32.4	97.0





#95

Naphthalene

Concen: 21.501 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

Instrument :

MSVOA_N

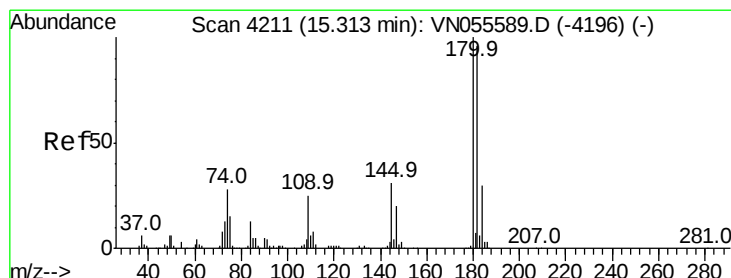
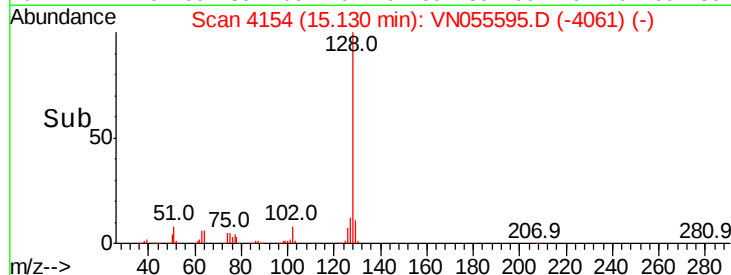
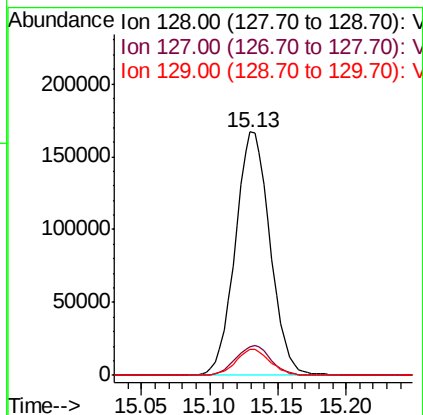
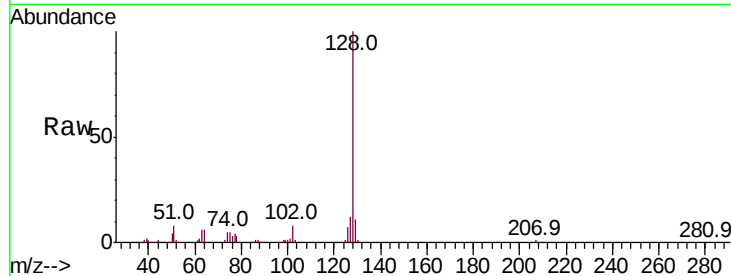
ClientSampleId :

VN0514WBS01

Tot Ion:	128	Resp:	295267
Ion Ratio	Lower	Upper	
128	100		
127	12.4	10.4	15.6
129	10.5	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
5/16/2019 1:32:03 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.207 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

Tgt Ion:	180	Resp:	110325
Ion Ratio	Lower	Upper	
180	100		
182	97.5	47.9	143.6
145	31.4	15.6	46.7

