

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042519\
 Data File : VN055237.D
 Acq On : 25 Apr 2019 10:49
 Operator : JC/SP
 Sample : VN0425WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0425WBS01

Manual Integrations
 APPROVED

MMdadoda
 4/26/2019 10:58:59 AM

Quant Time: Apr 26 02:29:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:52:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	443446	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	710124	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	615522	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	229787	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	303405	50.55	ug/l	0.00
Spiked Amount			Recovery	=	101.10%	
35) Dibromofluoromethane	7.59	113	241507	50.06	ug/l	0.00
Spiked Amount			Recovery	=	100.12%	
50) Toluene-d8	10.09	98	891163	49.86	ug/l	0.00
Spiked Amount			Recovery	=	99.72%	
62) 4-Bromofluorobenzene	12.40	95	282619	49.93	ug/l	0.00
Spiked Amount			Recovery	=	99.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	126691	22.189	ug/l	100
3) Chloromethane	2.06	50	146901	20.997	ug/l	99
4) Vinyl Chloride	2.19	62	116994	20.869	ug/l	98
5) Bromomethane	2.56	94	62878	19.340	ug/l	100
6) Chloroethane	2.70	64	60469	20.465	ug/l	96
7) Trichlorofluoromethane	3.02	101	166644	21.844	ug/l	98
8) Diethyl Ether	3.41	74	59219	21.748	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	97619	20.506	ug/l	99
10) Methyl Iodide	3.95	142	143158	21.444	ug/l	100
11) Tert butyl alcohol	4.79	59	38364	109.482	ug/l	95
12) 1,1-Dichloroethene	3.74	96	93391	20.470	ug/l	99
13) Acrolein	3.61	56	41542	85.585	ug/l	100
14) Allyl chloride	4.32	41	190937	21.170	ug/l	99
15) Acrylonitrile	4.99	53	206277	107.337	ug/l	98
16) Acetone	3.82	43	195698	98.628	ug/l	100
17) Carbon Disulfide	4.06	76	251882	19.748	ug/l	100
18) Methyl Acetate	4.33	43	99823	22.799	ug/l	96
19) Methyl tert-butyl Ether	5.05	73	273551	21.687	ug/l	99
20) Methylene Chloride	4.55	84	114362	20.049	ug/l	94
21) trans-1,2-Dichloroethene	5.04	96	98795	20.651	ug/l	97
22) Diisopropyl ether	5.95	45	389678	21.675	ug/l	97
23) Vinyl Acetate	5.90	43	1341552	111.045	ug/l	99
24) 1,1-Dichloroethane	5.85	63	201015	20.787	ug/l	98
25) 2-Butanone	6.84	43	265091	103.484	ug/l	99
26) 2,2-Dichloropropane	6.83	77	139416	21.305	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	116389	21.104	ug/l	99
28) Bromochloromethane	7.19	49	103991	21.096	ug/l	98
29) Tetrahydrofuran	7.21	42	170540	108.277	ug/l	98
30) Chloroform	7.37	83	194229	21.116	ug/l	98
31) Cyclohexane	7.65	56	190562	20.275	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	157102	21.259	ug/l	99
36) 1,1-Dichloropropene	7.79	75	141581	21.481	ug/l	100
37) Ethyl Acetate	6.93	43	114811	21.584	ug/l	99
38) Carbon Tetrachloride	7.77	117	136841	22.171	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042519\
 Data File : VN055237.D
 Acq On : 25 Apr 2019 10:49
 Operator : JC/SP
 Sample : VN0425WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0425WBS01

Manual Integrations
 APPROVED

MMdadoda
 4/26/2019 10:58:59 AM

Quant Time: Apr 26 02:29:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:52:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	157098	19.979	ug/l	99
40) Benzene	8.04	78	425057	20.891	ug/l	99
41) Methacrylonitrile	7.18	41	66463	23.833	ug/l	97
42) 1,2-Dichloroethane	8.12	62	149160	21.014	ug/l	99
43) Isopropyl Acetate	8.16	43	197629	22.944	ug/l #	88
44) Trichloroethene	8.83	130	109582	21.309	ug/l	98
45) 1,2-Dichloropropane	9.12	63	121180	21.100	ug/l	97
46) Dibromomethane	9.21	93	69612	21.173	ug/l	97
47) Bromodichloromethane	9.40	83	143637	21.824	ug/l	98
48) Methyl methacrylate	9.20	41	90081	21.560	ug/l	98
49) 1,4-Dioxane	9.20	88	20208	418.808	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	536308	108.203	ug/l	99
52) Toluene	10.15	92	252532	21.172	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	132688	21.968	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	162690	21.705	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	92472	21.029	ug/l	97
56) Ethyl methacrylate	10.43	69	121308	22.145	ug/l	99
57) 1,3-Dichloropropane	10.71	76	164183	21.460	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	168579	87.543	ug/l	100
59) 2-Hexanone	10.75	43	339705	108.506	ug/l	99
60) Dibromochloromethane	10.90	129	98838	21.822	ug/l	97
61) 1,2-Dibromoethane	11.00	107	90870	21.979	ug/l	99
64) Tetrachloroethene	10.63	164	103166	20.546	ug/l	98
65) Chlorobenzene	11.43	112	253642	20.189	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	97647	20.970	ug/l	99
67) Ethyl Benzene	11.51	91	464232	20.744	ug/l	99
68) m/p-Xylenes	11.62	106	339535	42.301	ug/l	99
69) o-Xylene	11.95	106	168162	21.111	ug/l	99
70) Styrene	11.96	104	267988	21.704	ug/l	99
71) Bromoform	12.13	173	59463	21.400	ug/l #	97
73) Isopropylbenzene	12.25	105	446505	22.963	ug/l	100
74) N-amyl acetate	12.07	43	127704	21.556	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	117613	23.893	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	97234m	20.858	ug/l	
77) Bromobenzene	12.53	156	104184	20.537	ug/l	100
78) n-propylbenzene	12.59	91	477556	20.723	ug/l	100
79) 2-Chlorotoluene	12.67	91	299098	20.554	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	362145	21.053	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	26256	21.351	ug/l	98
82) 4-Chlorotoluene	12.77	91	280306	20.937	ug/l	99
83) tert-Butylbenzene	12.99	119	307514	22.585	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	349386	21.523	ug/l	99
85) sec-Butylbenzene	13.17	105	395024	20.298	ug/l	100
86) p-Isopropyltoluene	13.29	119	339256	21.160	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	164165	21.081	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	154581	20.389	ug/l	99
89) n-Butylbenzene	13.61	91	243159	20.461	ug/l	99
90) Hexachloroethane	13.87	117	58167	20.456	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	163478	20.438	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15002	21.500	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042519\
Data File : VN055237.D
Acq On : 25 Apr 2019 10:49
Operator : JC/SP
Sample : VN0425WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0425WBS01

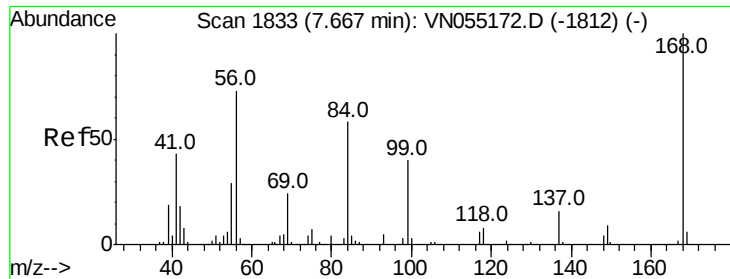
Manual Integrations
APPROVED

MMdadoda
4/26/2019 10:58:59 AM

Quant Time: Apr 26 02:29:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 23 05:52:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	55355	18.222	ug/l	96
94) Hexachlorobutadiene	15.01	225	54881	22.285	ug/l	99
95) Naphthalene	15.13	128	109957	17.266	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	56302	18.187	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055237.D

Acq: 25 Apr 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

VN0425WBS01

Tot Ion:168 Resp: 443446

Ion Ratio Lower Upper

168 100

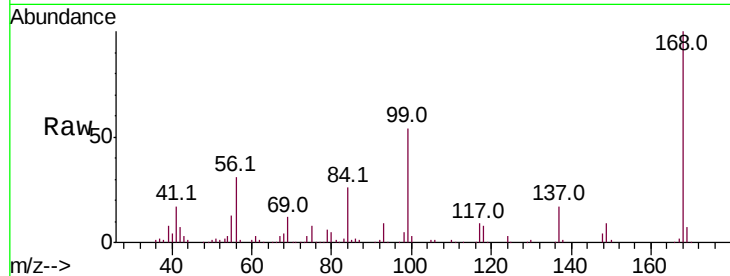
99 52.5 42.0 63.0

Manual Integrations

APPROVED

MMdadoda

4/26/2019 10:58:59 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

200000

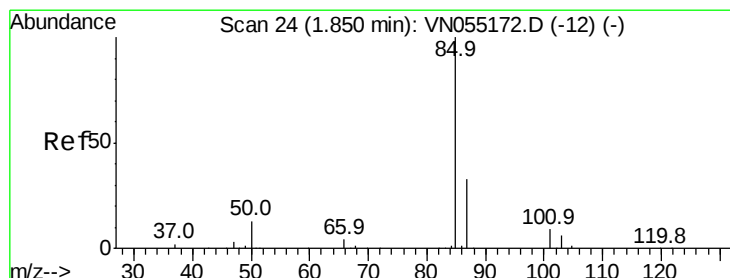
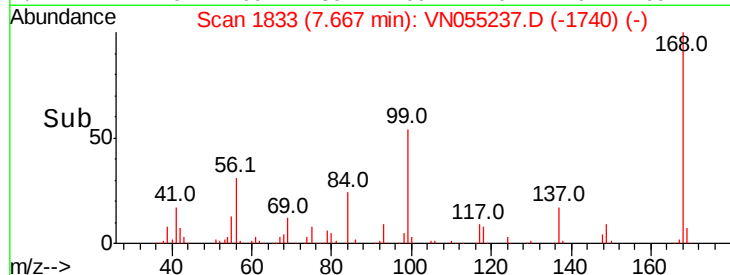
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 22.189 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055237.D

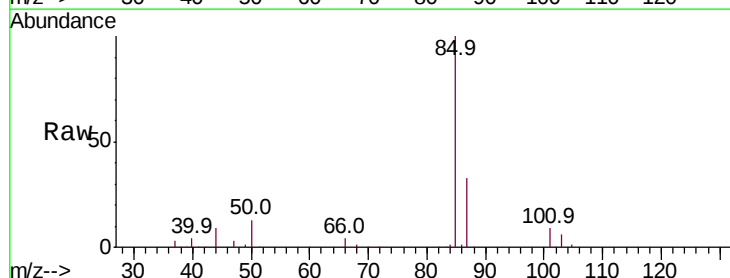
Acq: 25 Apr 2019 10:49

Tgt Ion: 85 Resp: 126691

Ion Ratio Lower Upper

85 100

87 32.9 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

100000

80000

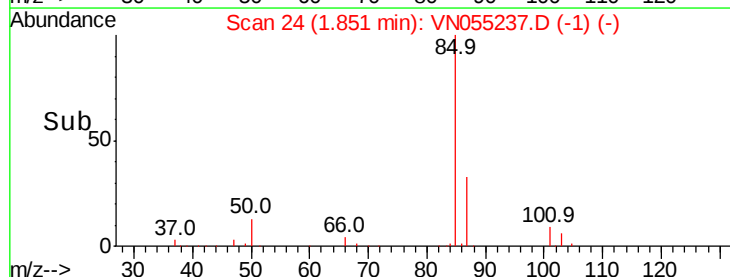
60000

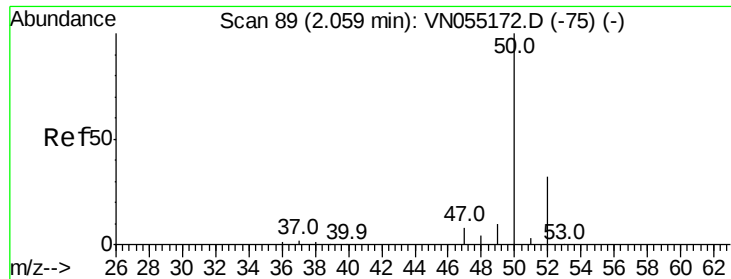
40000

20000

0

Time-->





#3

Chloromethane

Concen: 20.997 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055237.D

Acq: 25 Apr 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

VN0425WBS01

Tot Ion: 50 Resp: 146901

Ion Ratio Lower Upper

50 100

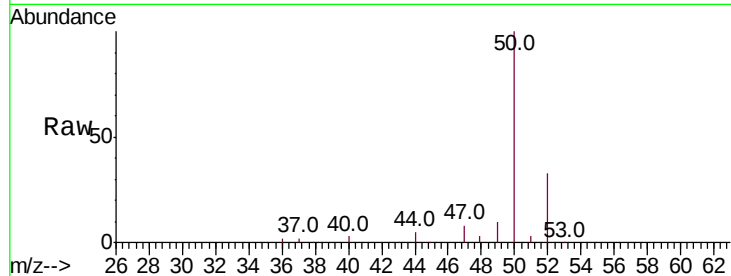
52 32.6 25.8 38.6

Manual Integrations

APPROVED

MMdadoda

4/26/2019 10:58:59 AM



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC

2.06

100000

80000

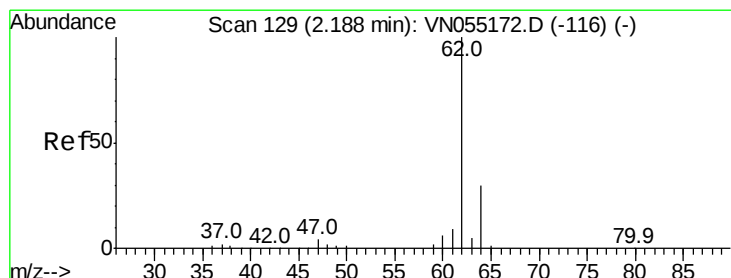
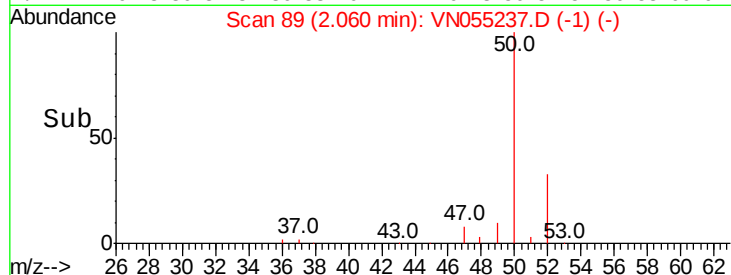
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 20.869 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055237.D

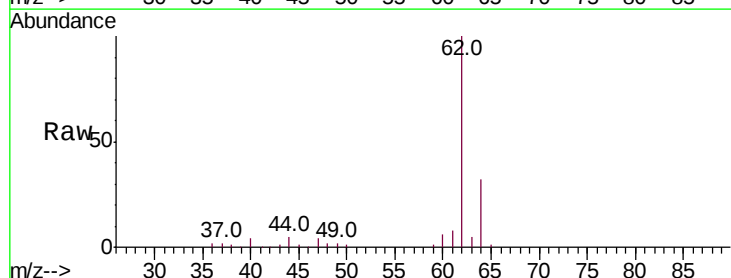
Acq: 25 Apr 2019 10:49

Tgt Ion: 62 Resp: 116994

Ion Ratio Lower Upper

62 100

64 31.5 24.2 36.4



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

2.19

80000

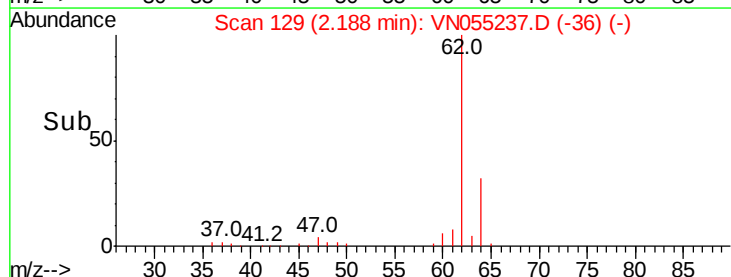
60000

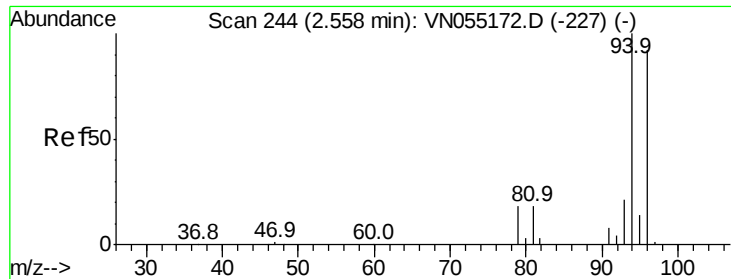
40000

20000

0

Time-->





#5

Bromomethane

Concen: 19.340 ug/l

RT: 2.56 min Scan# 245

Delta R.T. 0.00 min

Lab File: VN055237.D

Acq: 25 Apr 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

VN0425WBS01

Tot Ion: 94 Resp: 62878

Ion Ratio Lower Upper

94 100

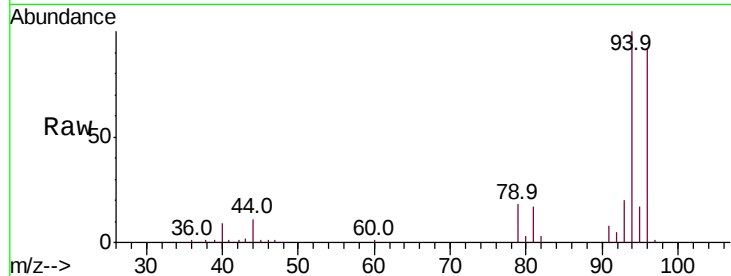
96 91.6 73.4 110.2

Manual Integrations

APPROVED

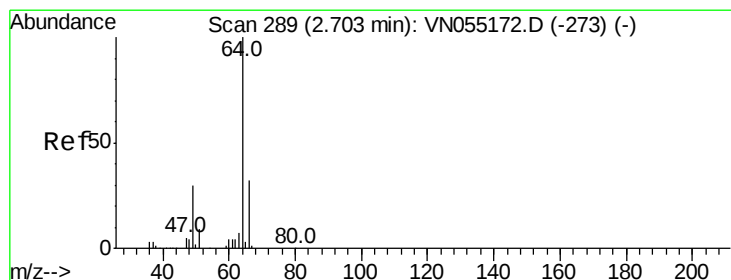
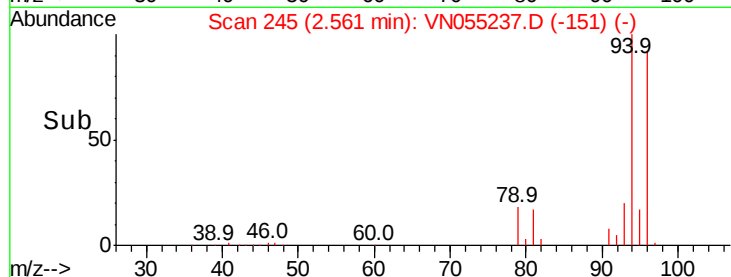
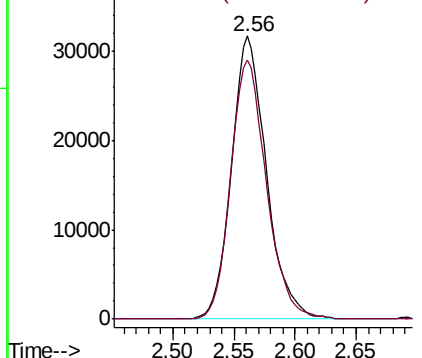
MMdadoda

4/26/2019 10:58:59 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.465 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN055237.D

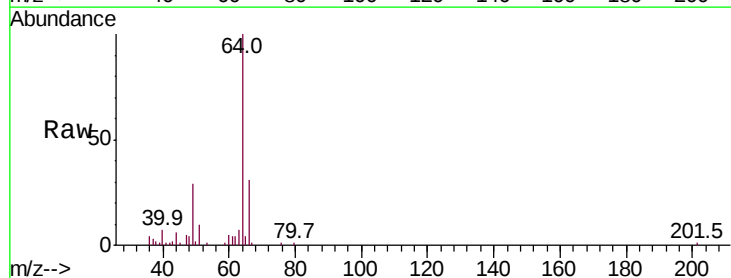
Acq: 25 Apr 2019 10:49

Tgt Ion: 64 Resp: 60469

Ion Ratio Lower Upper

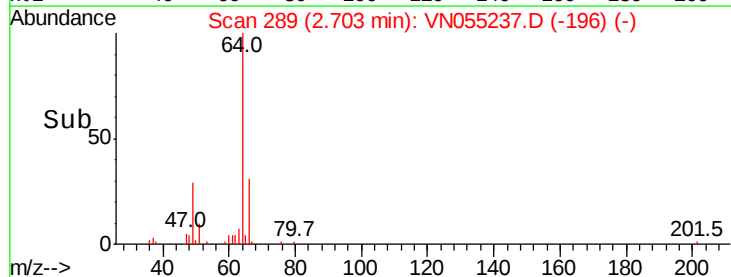
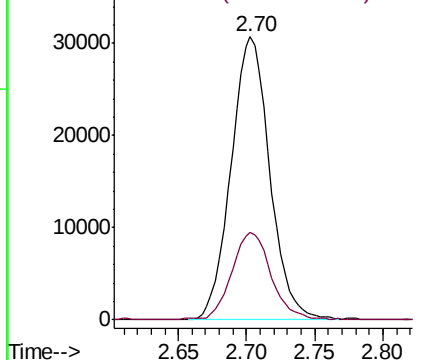
64 100

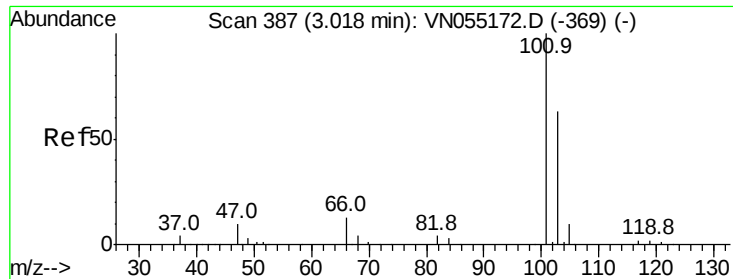
66 30.2 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

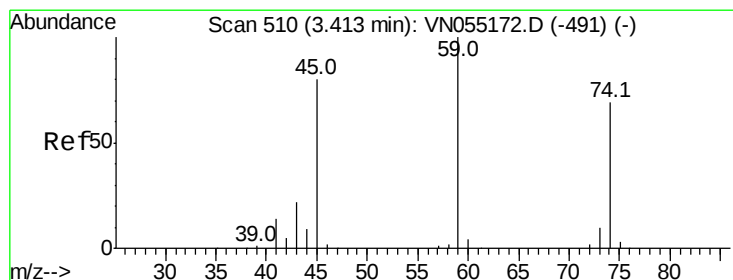
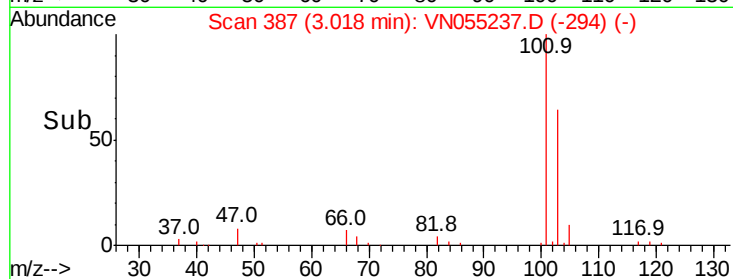
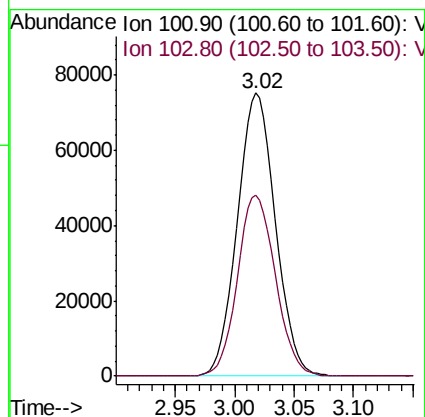
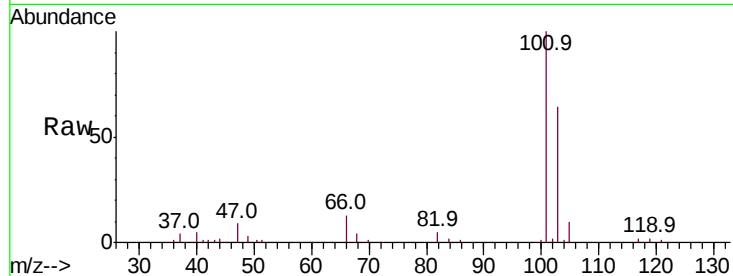
Trichlorofluoromethane
 Concen: 21.844 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN055237.D
 Acq: 25 Apr 2019 10:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0425WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	50.1	75.1

Manual Integrations
 APPROVED

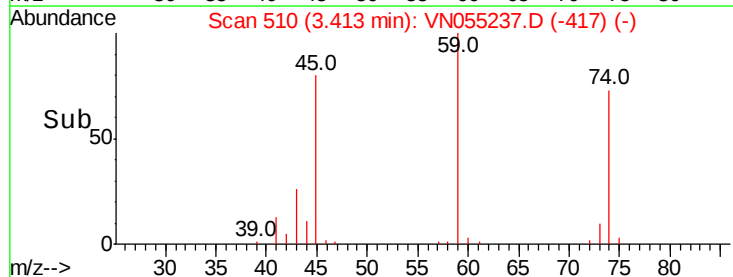
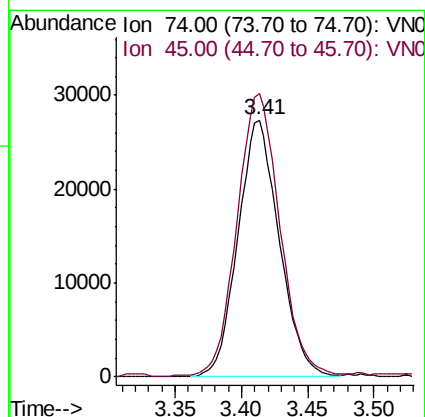
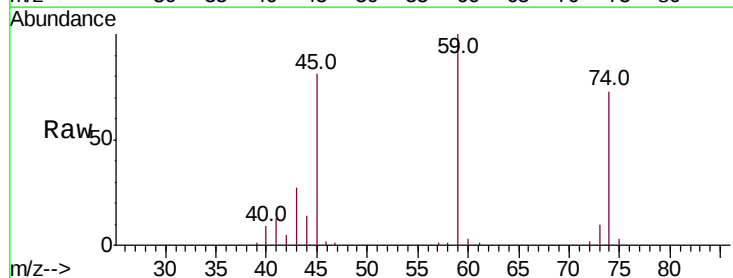
MMDadoda
 4/26/2019 10:58:59 AM

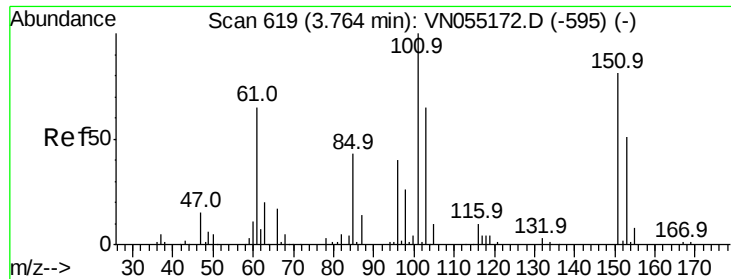


#8

Diethyl Ether
 Concen: 21.748 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055237.D
 Acq: 25 Apr 2019 10:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	115.2	56.9	170.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.506 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN055237.D

Acq: 25 Apr 2019 10:49

Instrument :

MSVOA_N

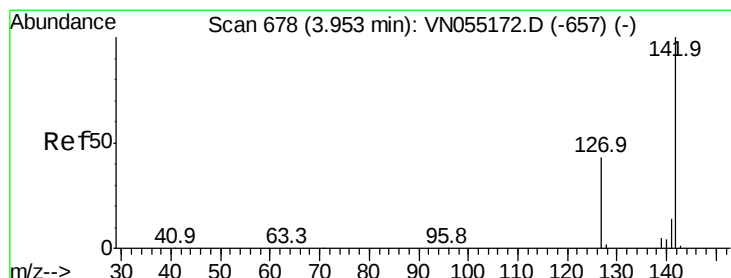
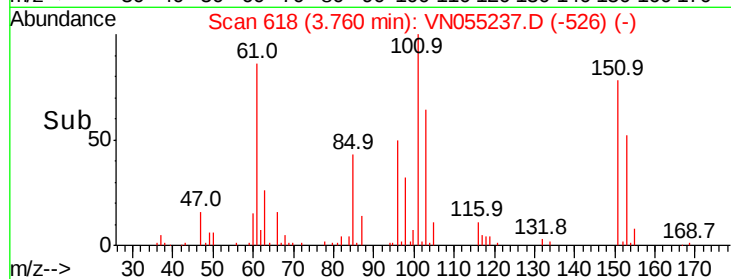
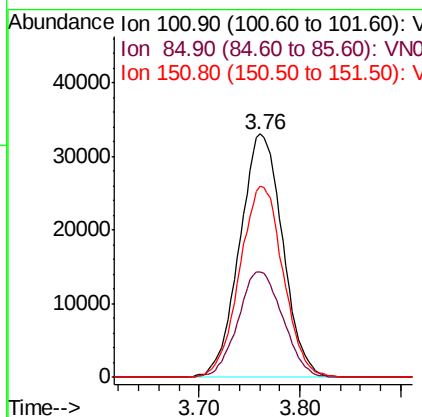
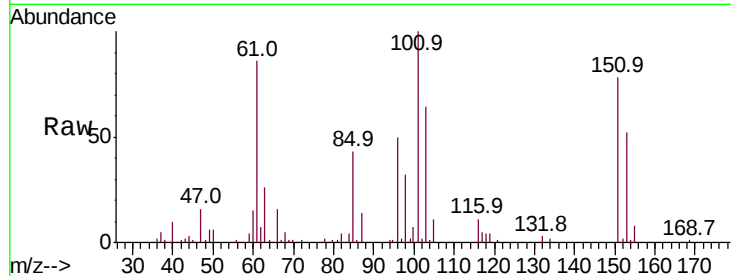
ClientSampleId :

VN0425WBS01

Tot Ion:	101	Resp:	97619
Ion Ratio	Lower	Upper	
101	100		
85	45.1	34.9	52.3
151	79.4	63.8	95.8

Manual Integrations
APPROVED

MMdadoda
4/26/2019 10:58:59 AM



#10

Methyl Iodide

Concen: 21.444 ug/l

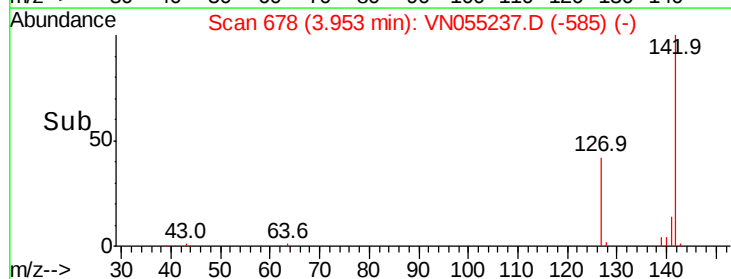
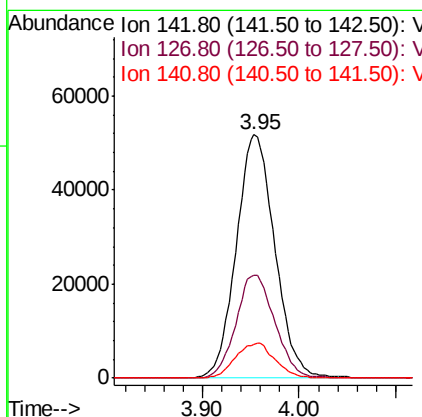
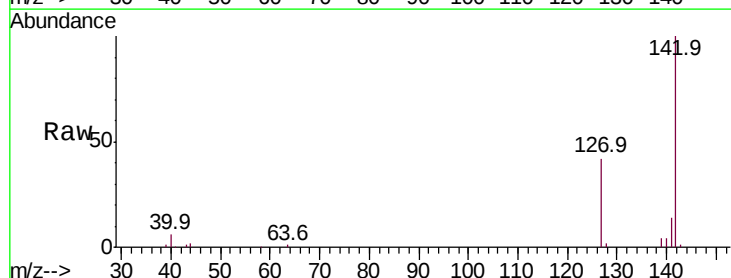
RT: 3.95 min Scan# 678

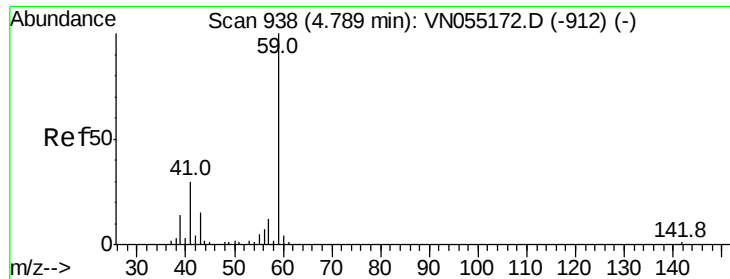
Delta R.T. 0.00 min

Lab File: VN055237.D

Acq: 25 Apr 2019 10:49

Tgt Ion:	142	Resp:	143158
Ion Ratio	Lower	Upper	
142	100		
127	42.7	34.1	51.1
141	14.5	11.4	17.2





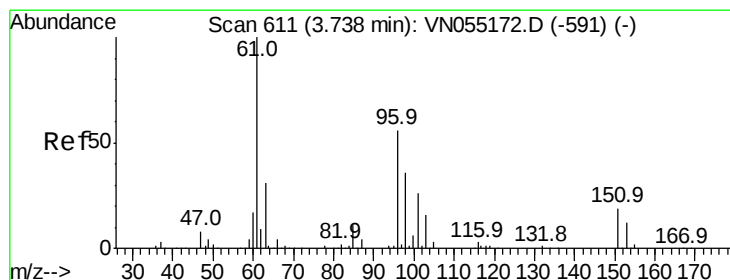
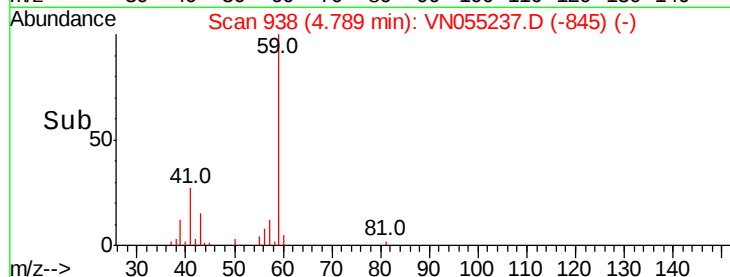
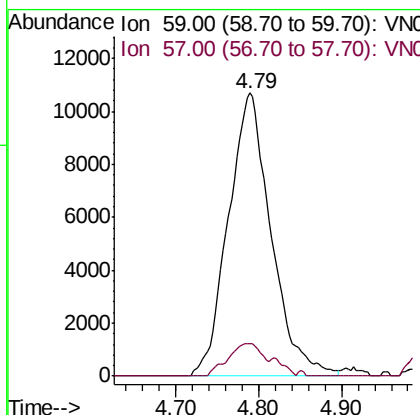
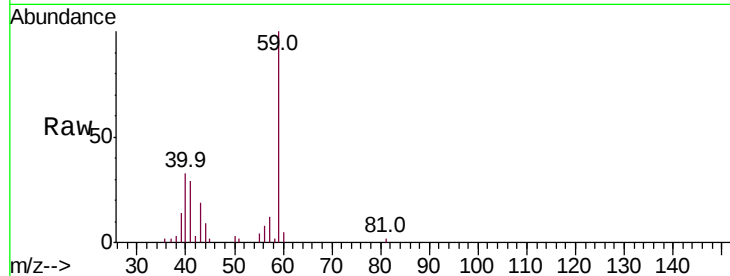
#11
Tert butyl alcohol
Concen: 109.482 ug/l
RT: 4.79 min Scan# 938
Delta R.T. 0.00 min
Lab File: VN055237.D
Acq: 25 Apr 2019 10:49

Instrument :
MSVOA_N
ClientSampleId :
VN0425WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.3	8.8	13.2

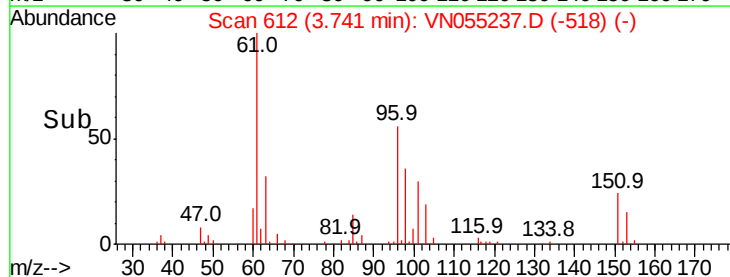
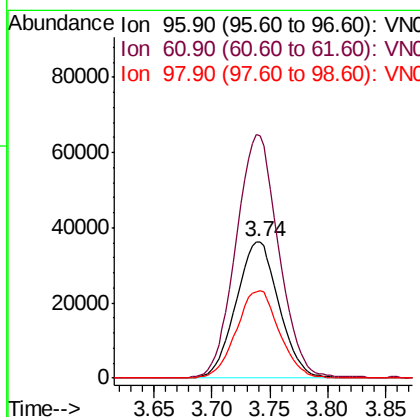
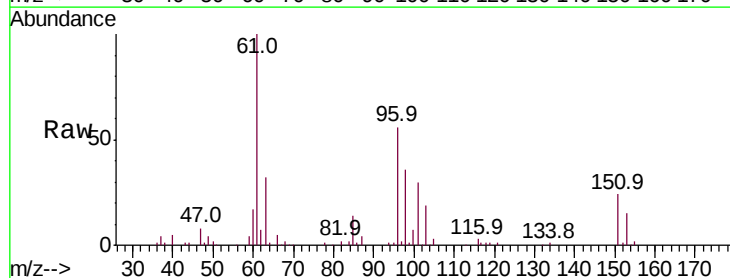
Manual Integrations
APPROVED

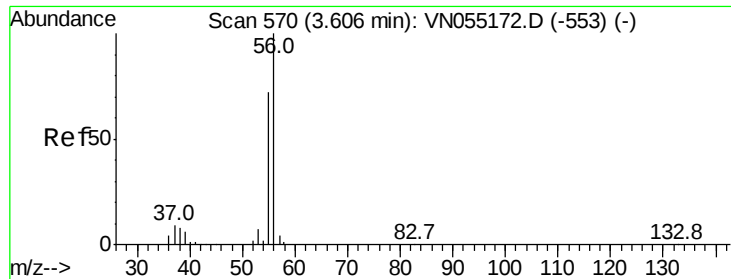
MMdadoda
4/26/2019 10:58:59 AM



#12
1,1-Dichloroethene
Concen: 20.470 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN055237.D
Acq: 25 Apr 2019 10:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	176.8	142.1	213.1
98	63.7	51.2	76.8





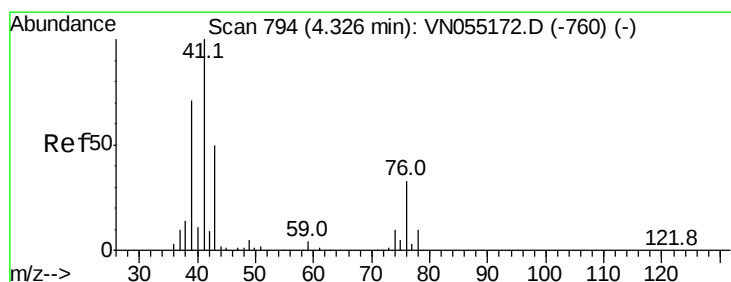
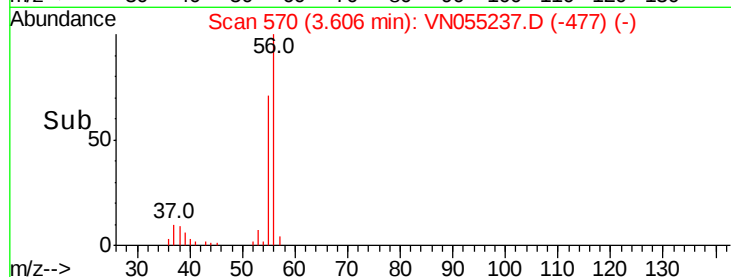
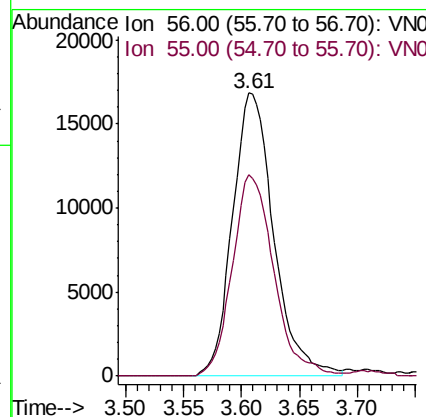
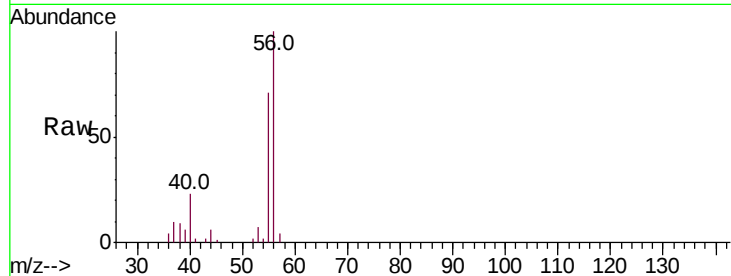
#13
Acrolein
Concen: 85.585 ug/l
RT: 3.61 min Scan# 570
Delta R.T. 0.00 min
Lab File: VN055237.D
Acq: 25 Apr 2019 10:49

Instrument :
MSVOA_N
ClientSampleId :
VN0425WBS01

Tot Ion	56	Resp	41542
Ion Ratio	Lower	Upper	
56	100		
55	71.6	57.4	86.0

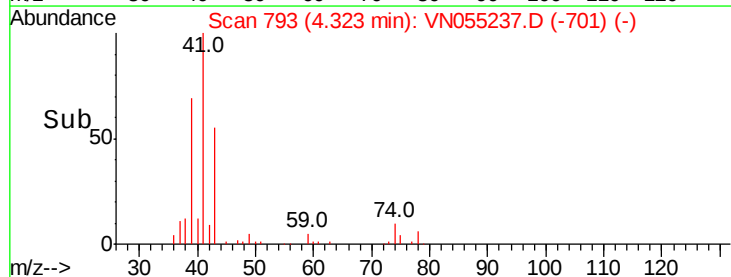
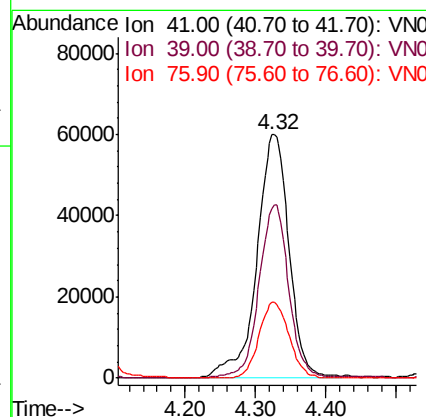
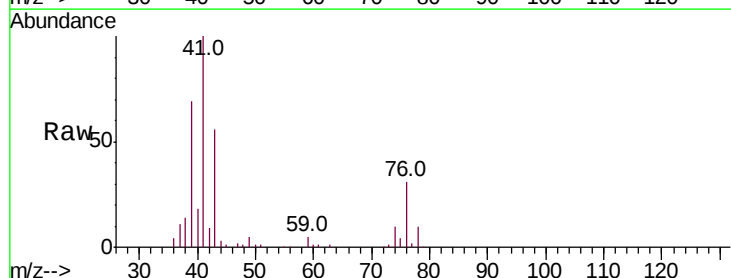
Manual Integrations
APPROVED

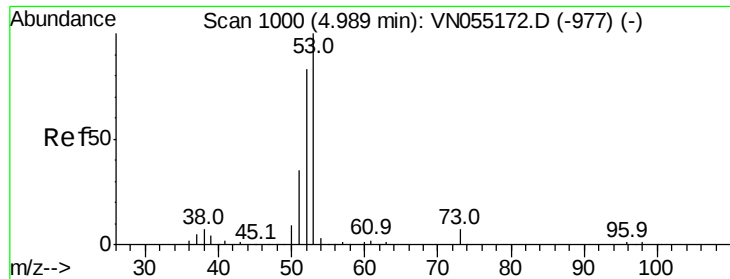
MMdadoda
4/26/2019 10:58:59 AM



#14
Allyl chloride
Concen: 21.170 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN055237.D
Acq: 25 Apr 2019 10:49

Tgt Ion	41	Resp	190937
Ion Ratio	Lower	Upper	
41	100		
39	65.6	52.9	79.3
76	29.0	23.6	35.4





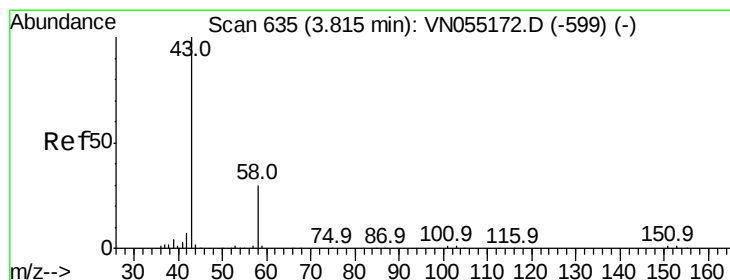
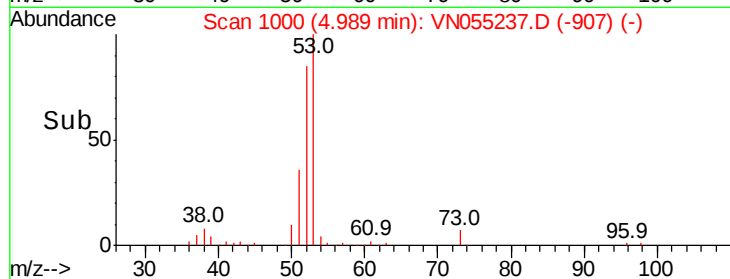
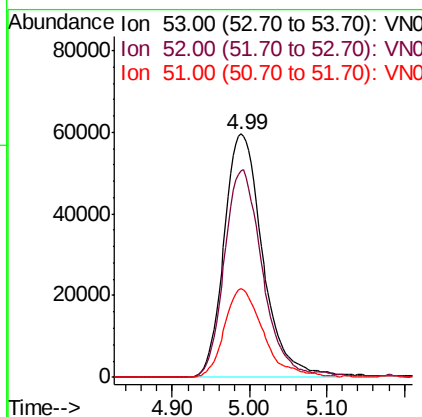
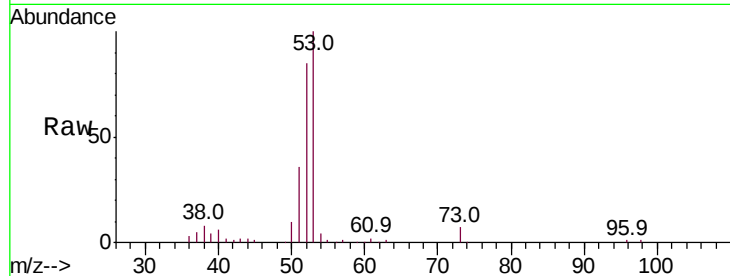
#15
 Acrylonitrile
 Concen: 107.337 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN055237.D
 Acq: 25 Apr 2019 10:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0425WBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.7	65.8	98.8
51	37.0	28.9	43.3

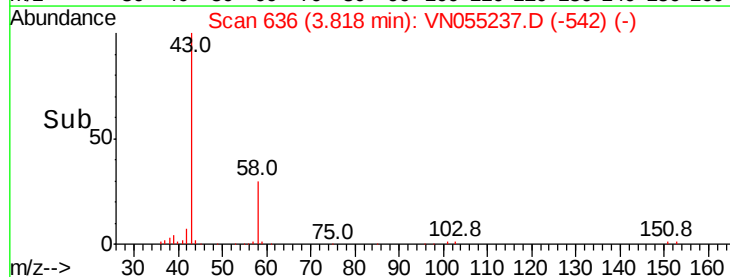
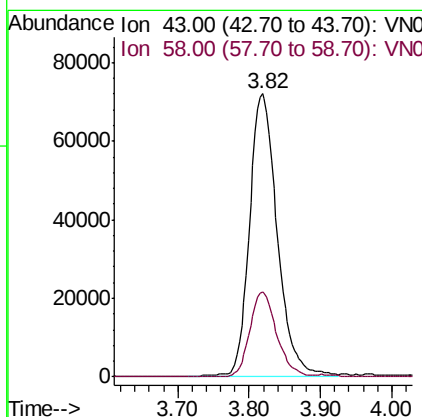
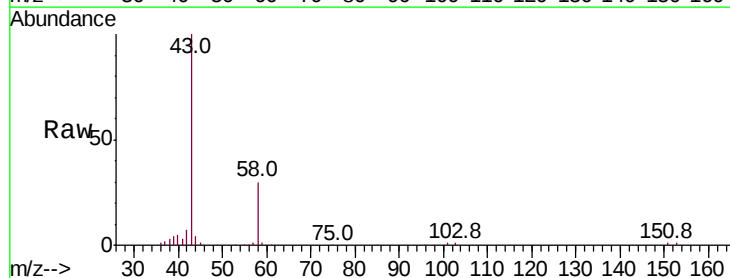
Manual Integrations
 APPROVED

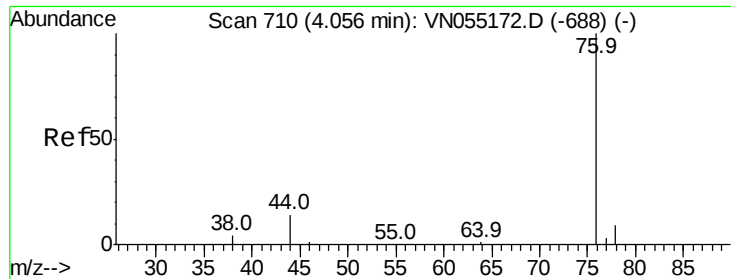
MMDadoda
 4/26/2019 10:58:59 AM



#16
 Acetone
 Concen: 98.628 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN055237.D
 Acq: 25 Apr 2019 10:49

Tgt Ion	Ratio	Lower	Upper
43	100		
58	29.9	23.8	35.8





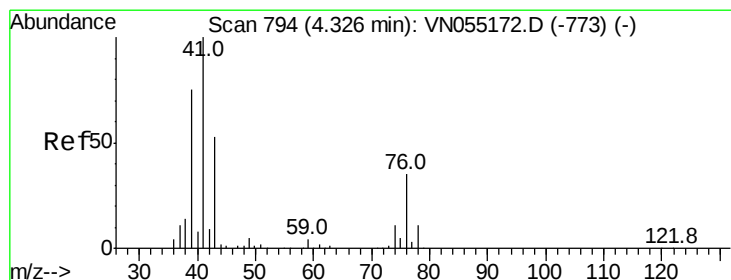
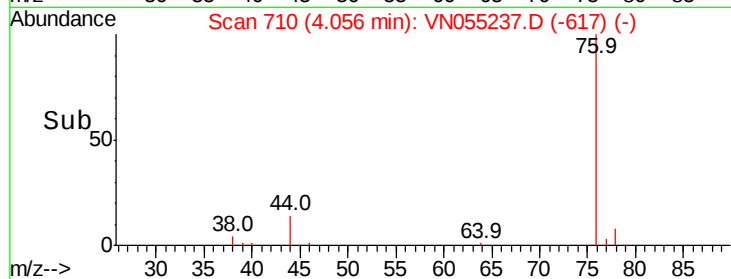
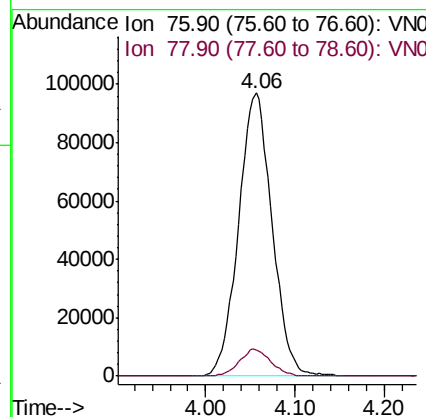
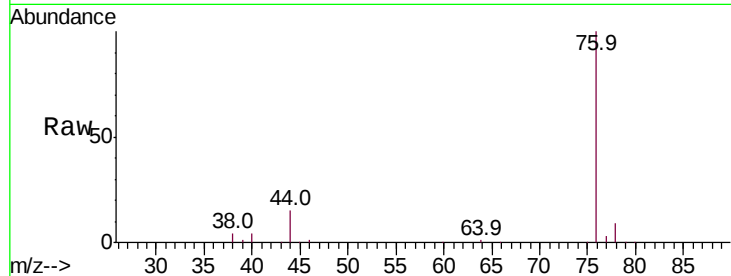
#17
Carbon Disulfide
Concen: 19.748 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN055237.D
Acq: 25 Apr 2019 10:49

Instrument :
MSVOA_N
ClientSampled :
VN0425WBS01

Tot Ion: 76 Resp: 251882
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9

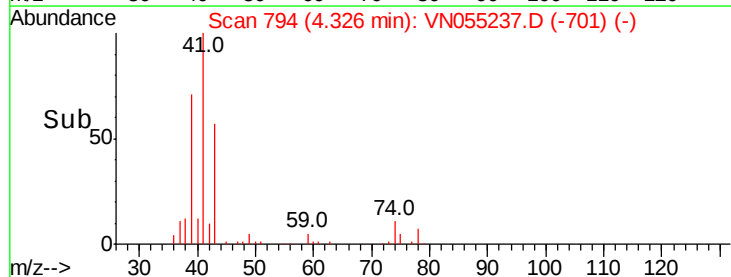
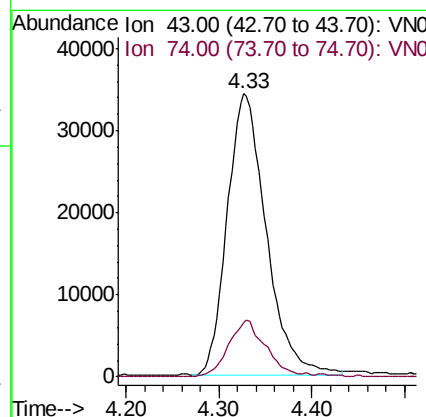
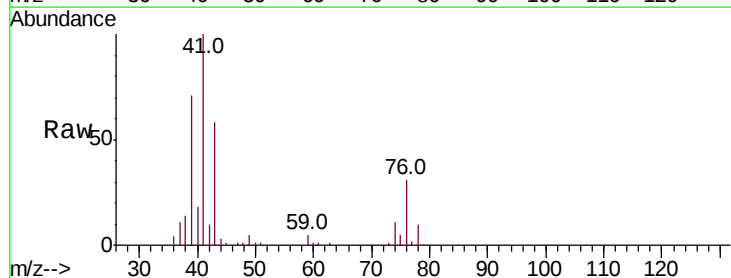
Manual Integrations
APPROVED

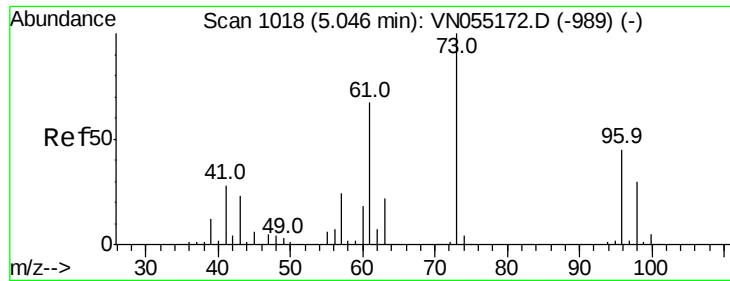
MMDadoda
4/26/2019 10:58:59 AM



#18
Methyl Acetate
Concen: 22.799 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055237.D
Acq: 25 Apr 2019 10:49

Tgt Ion: 43 Resp: 99823
Ion Ratio Lower Upper
43 100
74 19.0 16.7 25.1





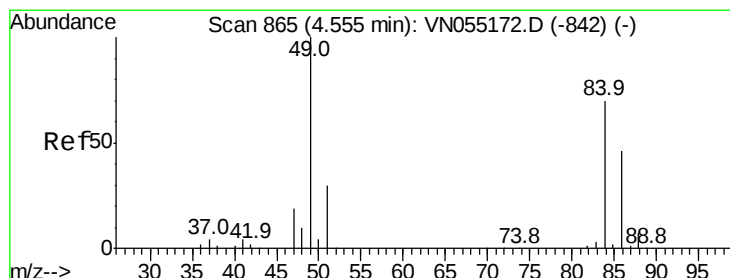
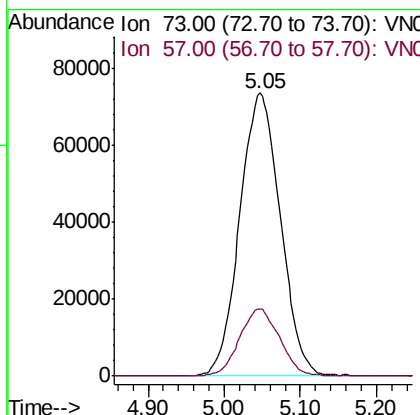
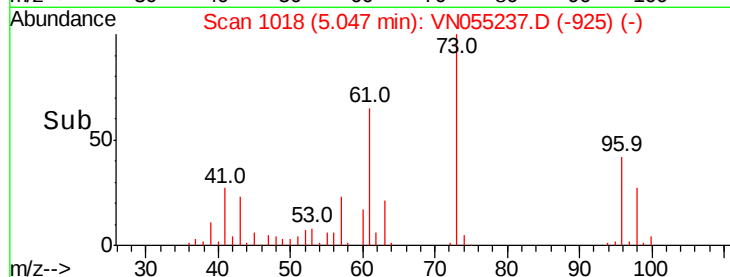
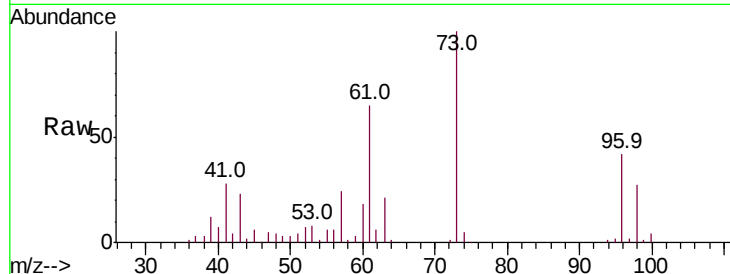
#19
Methvl tert-butvl Ether
Concen: 21.687 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055237.D
Acq: 25 Apr 2019 10:49

Instrument :
MSVOA_N
ClientSampleId :
VN0425WBS01

Tot Ion: 73 Resp: 27351
Ion Ratio Lower Upper
73 100
57 23.8 19.5 29.3

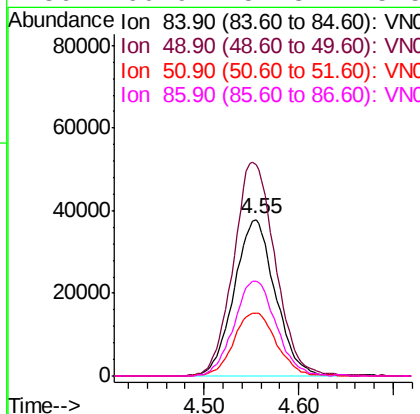
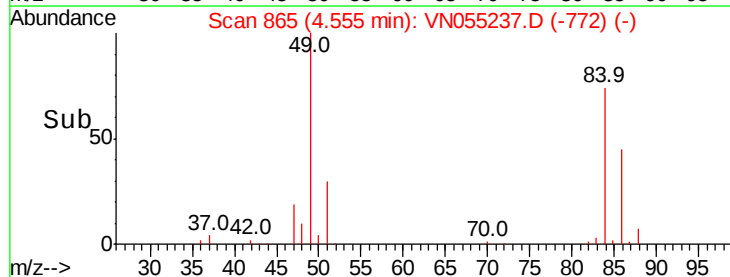
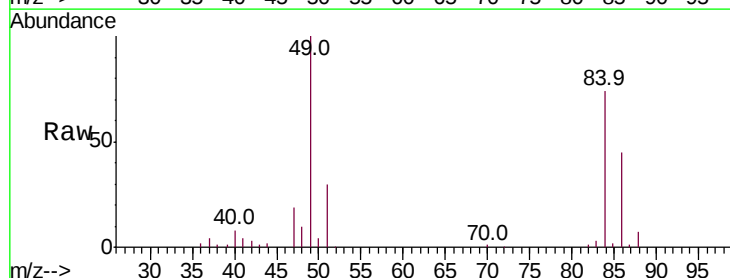
Manual Integrations
APPROVED

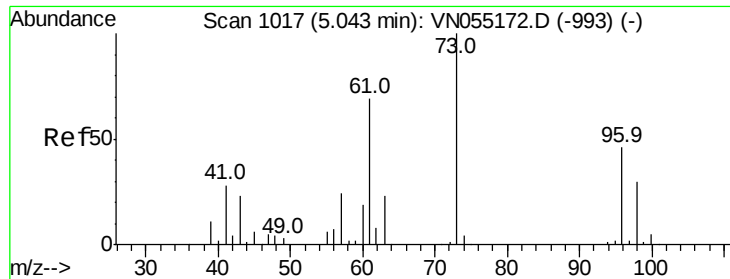
MMdadoda
4/26/2019 10:58:59 AM



#20
Methylene Chloride
Concen: 20.049 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN055237.D
Acq: 25 Apr 2019 10:49

Tgt Ion: 84 Resp: 114362
Ion Ratio Lower Upper
84 100
49 134.6 113.8 170.6
51 40.5 34.0 51.0
86 60.9 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 20.651 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VN055237.D

Acq: 25 Apr 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

VN0425WBS01

Tot Ion: 96 Resp: 98795

Ion Ratio Lower Upper

96 100

61 153.7 119.3 178.9

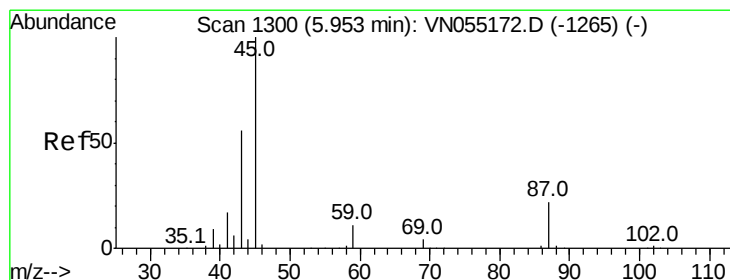
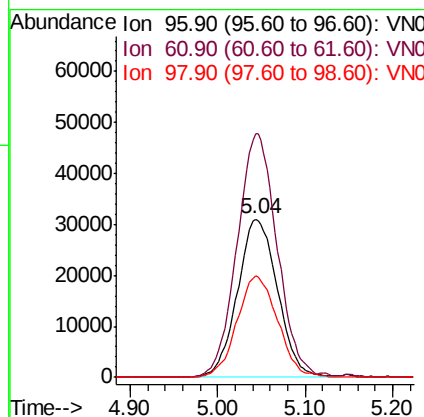
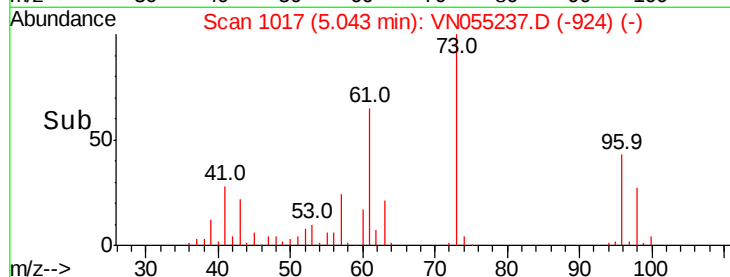
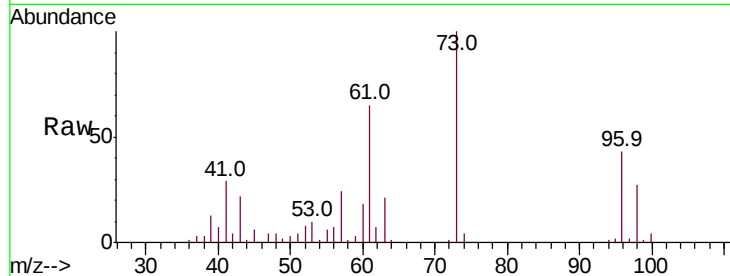
98 64.1 53.0 79.4

Manual Integrations

APPROVED

MMdadoda

4/26/2019 10:58:59 AM



#22

Diisopropyl ether

Concen: 21.675 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN055237.D

Acq: 25 Apr 2019 10:49

Tgt Ion: 45 Resp: 389678

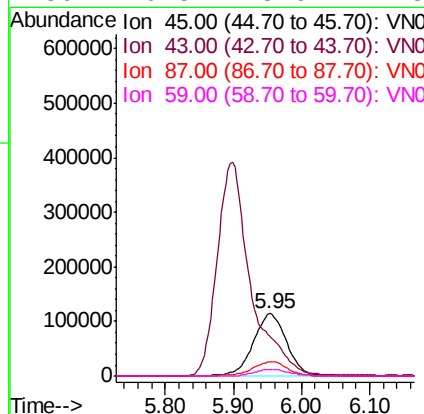
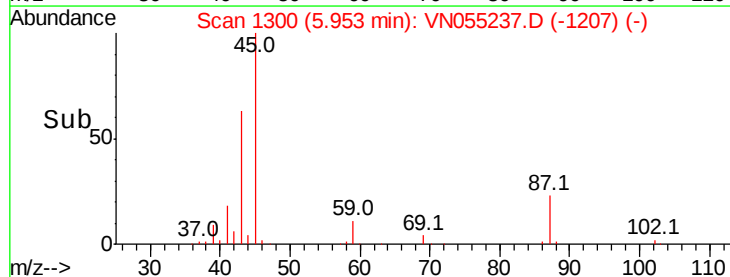
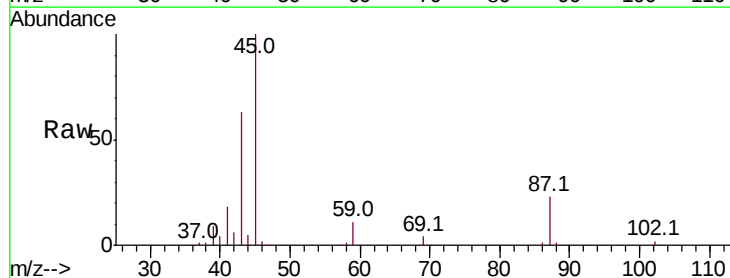
Ion Ratio Lower Upper

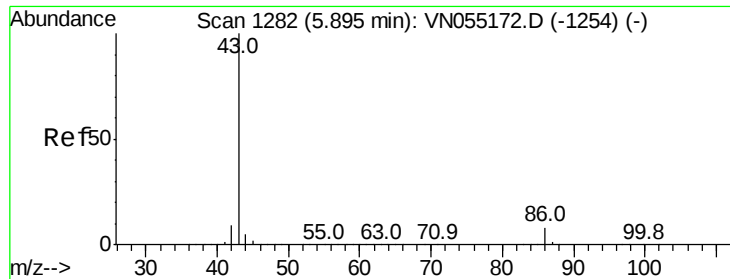
45 100

43 61.9 47.4 71.0

87 22.7 18.4 27.6

59 10.5 8.6 12.8





#23

Vinyl Acetate

Concen: 111.045 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN055237.D

Acq: 25 Apr 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

VN0425WBS01

Tot Ion: 43 Resp: 1341552

Ion Ratio Lower Upper

43 100

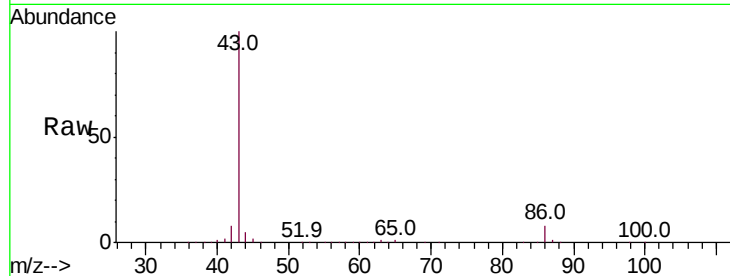
86 8.2 6.8 10.2

Manual Integrations

APPROVED

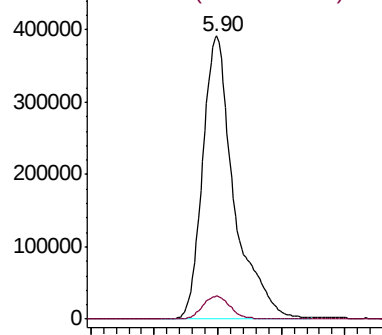
MMdadoda

4/26/2019 10:58:59 AM

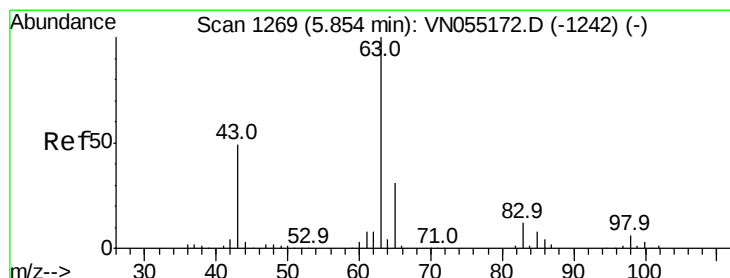
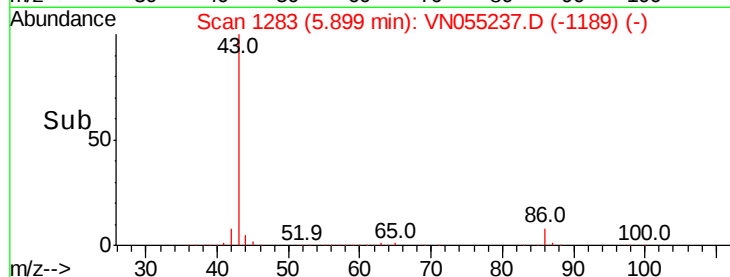


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 20.787 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN055237.D

Acq: 25 Apr 2019 10:49

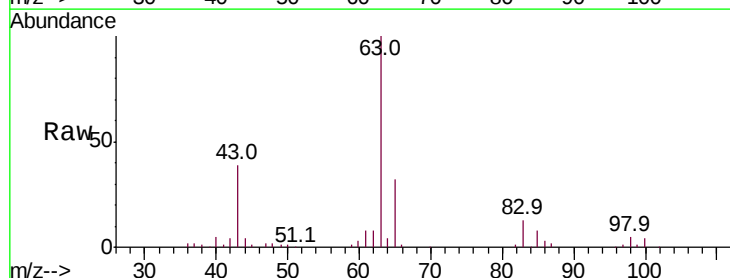
Tgt Ion: 63 Resp: 201015

Ion Ratio Lower Upper

63 100

98 5.4 3.1 9.3

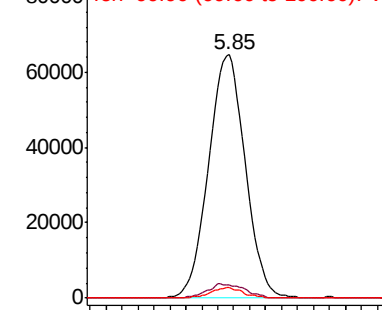
100 4.3 1.8 5.3



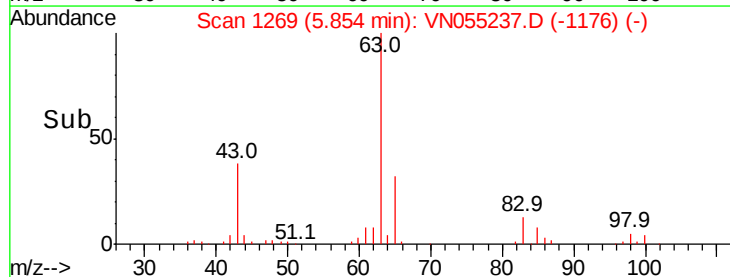
Abundance Ion 62.90 (62.60 to 63.60): VN0

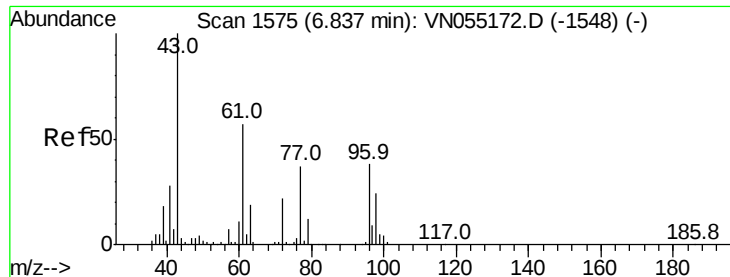
Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



Time--> 5.70 5.80 5.90 6.00





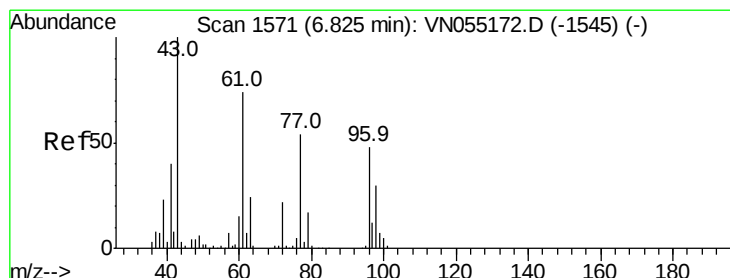
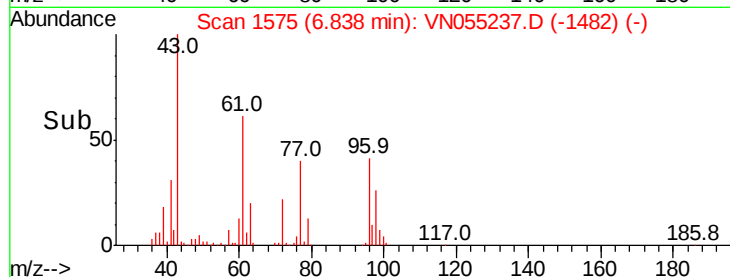
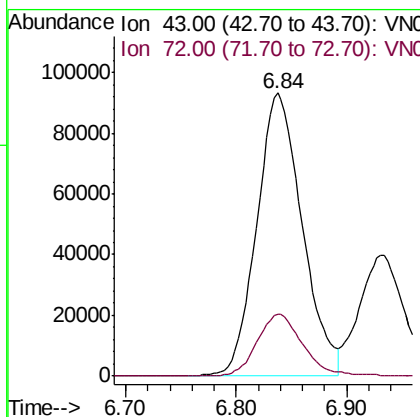
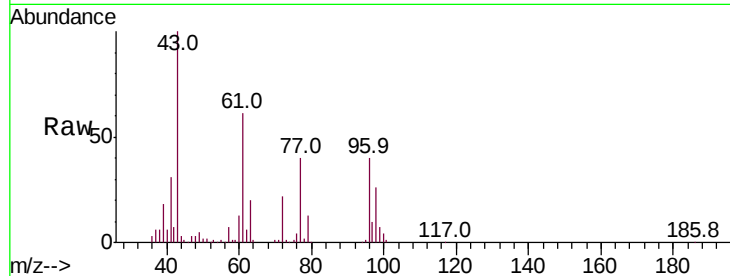
#25
2-Butanone
Concen: 103.484 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN055237.D
Acq: 25 Apr 2019 10:49

Instrument :
MSVOA_N
ClientSampled :
VN0425WBS01

Tot Ion: 43 Resp: 265091
Ion Ratio Lower Upper
43 100
72 22.0 17.8 26.8

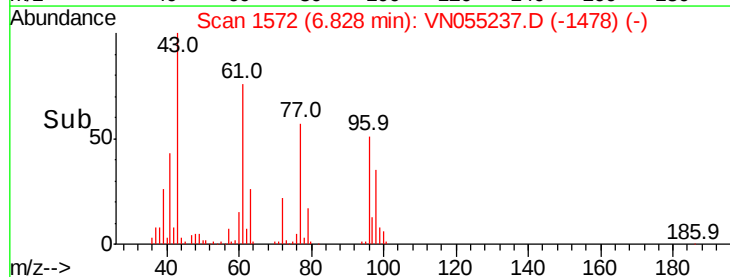
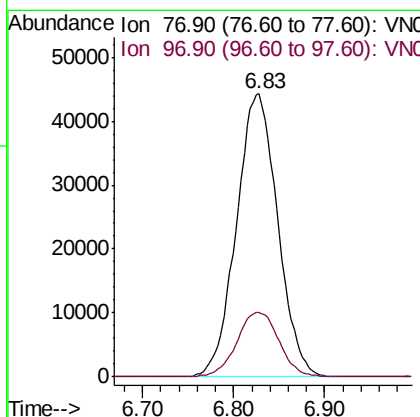
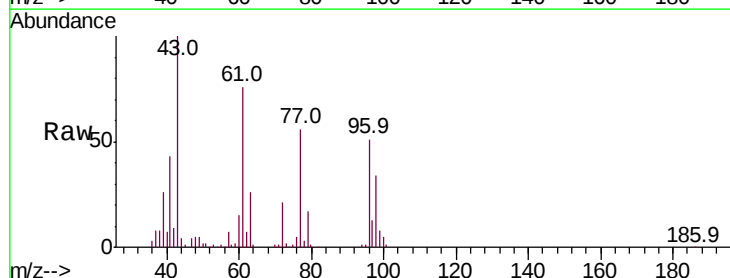
Manual Integrations
APPROVED

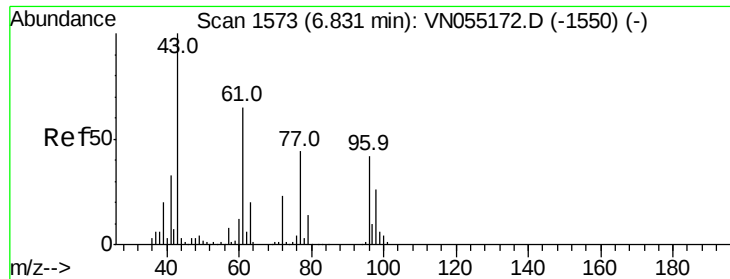
MMDadoda
4/26/2019 10:58:59 AM



#26
2,2-Dichloropropane
Concen: 21.305 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN055237.D
Acq: 25 Apr 2019 10:49

Tgt Ion: 77 Resp: 139416
Ion Ratio Lower Upper
77 100
97 23.3 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 21.104 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055237.D

Acq: 25 Apr 2019 10:49

Instrument :

MSVOA_N

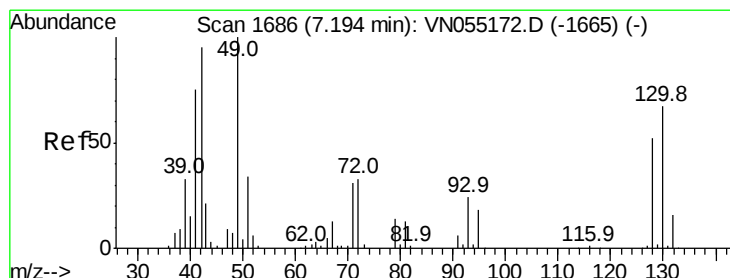
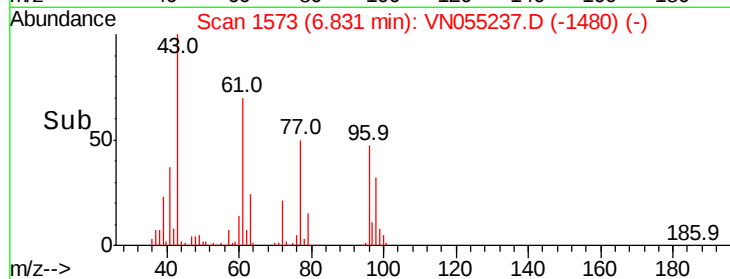
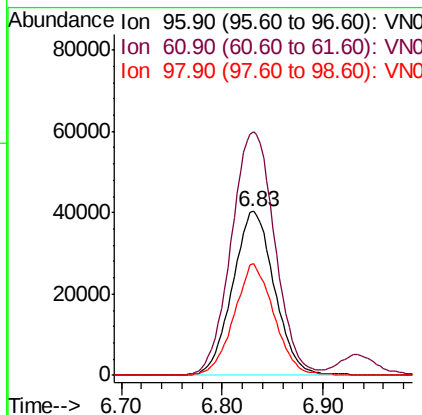
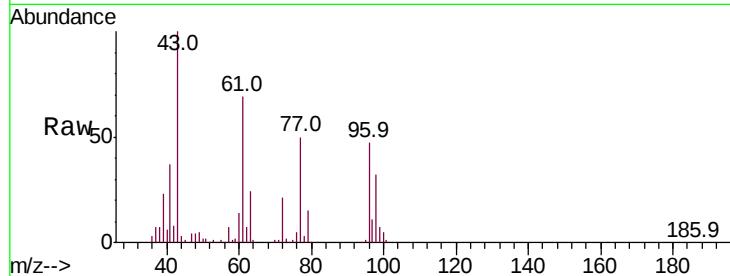
ClientSampleId :

VN0425WBS01

Tot Ion:	96	Resp:	116389
Ion	Ratio	Lower	Upper
96	100		
61	154.0	0.0	310.8
98	65.0	0.0	127.4

Manual Integrations
APPROVED

MMdadoda
4/26/2019 10:58:59 AM



#28

Bromochloromethane

Concen: 21.096 ug/l

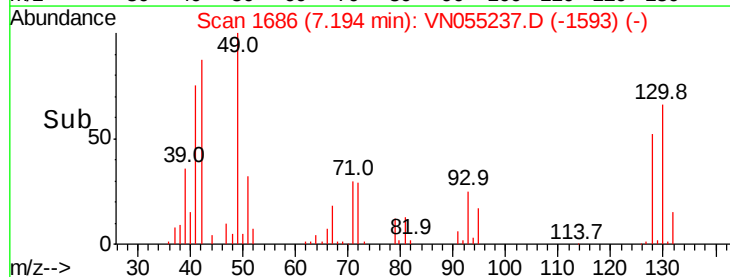
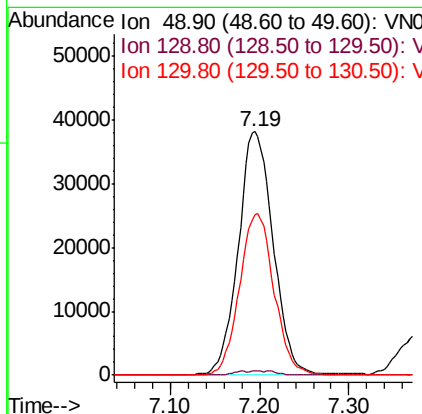
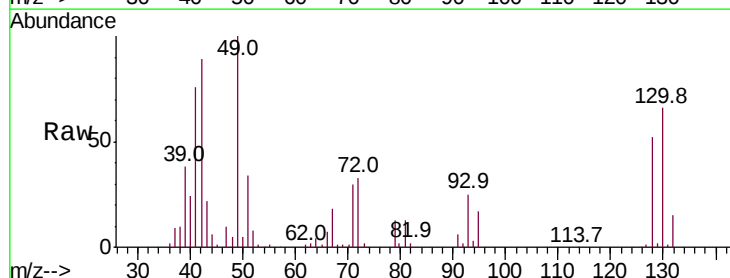
RT: 7.19 min Scan# 1686

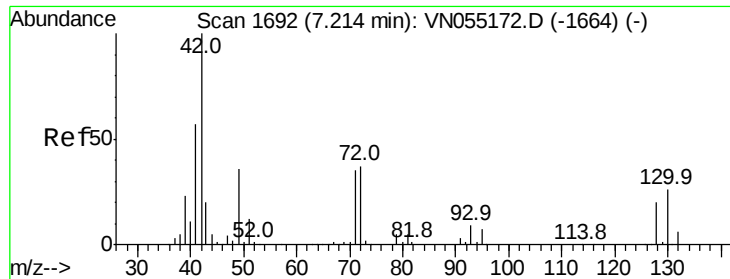
Delta R.T. 0.00 min

Lab File: VN055237.D

Acq: 25 Apr 2019 10:49

Tgt Ion:	49	Resp:	103991
Ion	Ratio	Lower	Upper
49	100		
129	0.2	0.0	3.8
130	65.3	53.4	80.2





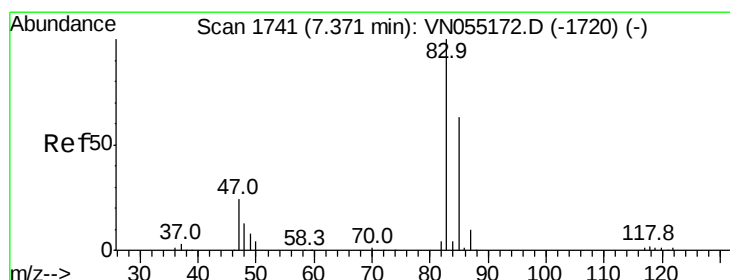
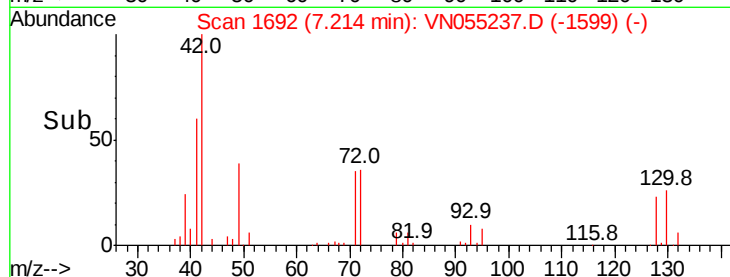
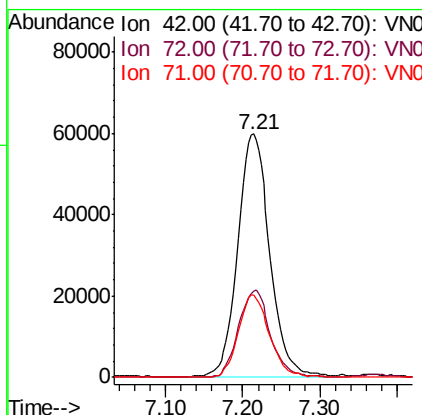
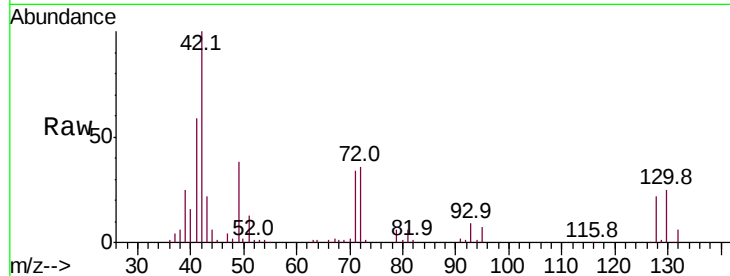
#29
Tetrahydrofuran
Concen: 108.277 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN055237.D
Acq: 25 Apr 2019 10:49

Instrument :
MSVOA_N
ClientSampleId :
VN0425WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.1	29.4	44.2
71	33.1	27.8	41.8

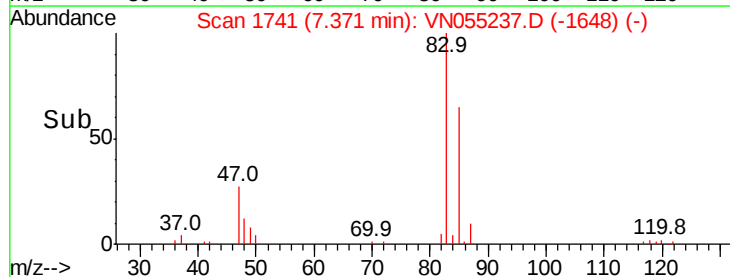
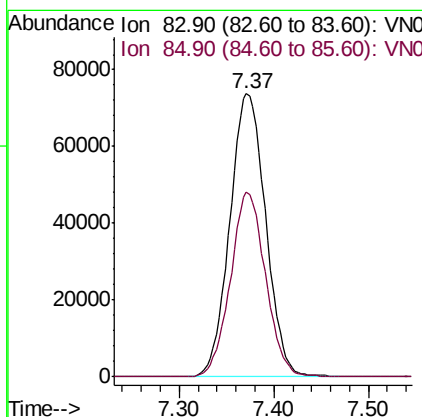
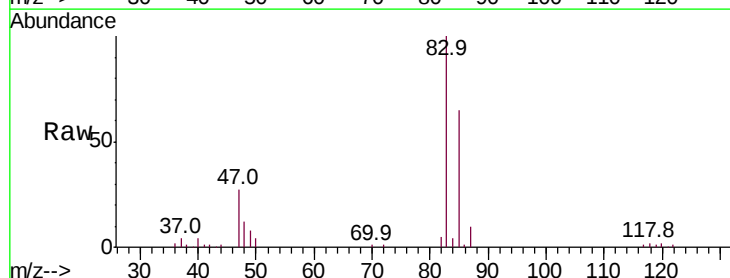
Manual Integrations
APPROVED

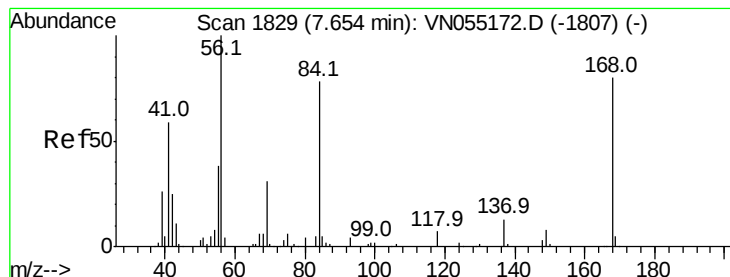
MMDadoda
4/26/2019 10:58:59 AM



#30
Chloroform
Concen: 21.116 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055237.D
Acq: 25 Apr 2019 10:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	50.6	76.0





#31

Cyclohexane

Concen: 20.275 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN055237.D

Acq: 25 Apr 2019 10:49

Instrument :

MSVOA_N

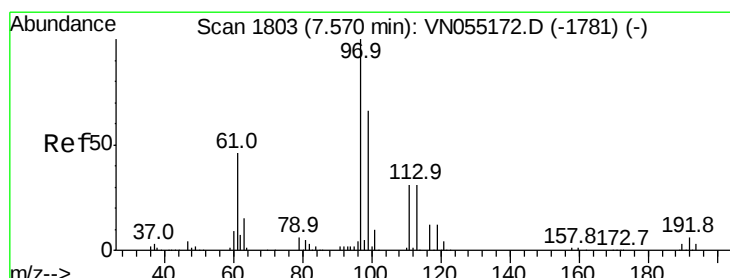
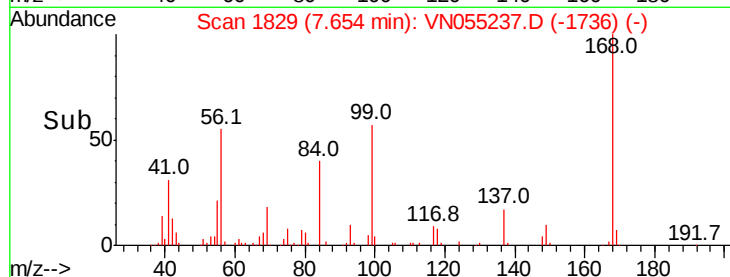
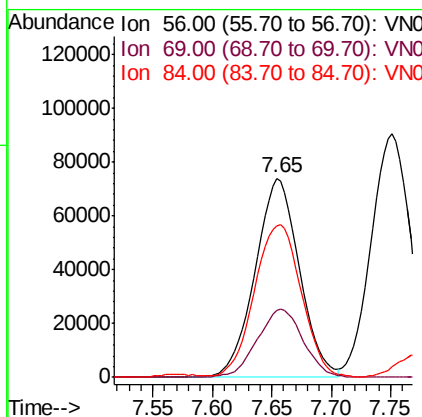
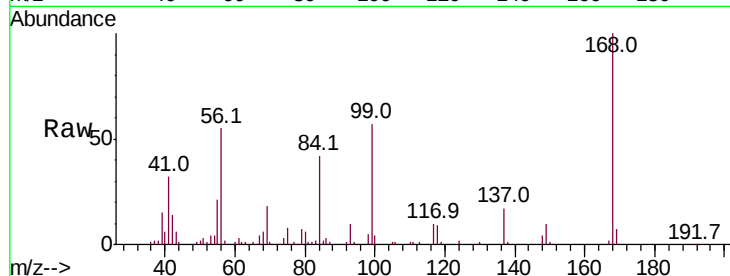
ClientSampled :

VN0425WBS01

Tot Ion	56	Resp	190562
Ion	Ratio	Lower	Upper
56	100		
69	33.8	24.6	37.0
84	75.1	61.4	92.2

Manual Integrations
APPROVED

MMdadoda
4/26/2019 10:58:59 AM



#32

1,1,1-Trichloroethane

Concen: 21.259 ug/l

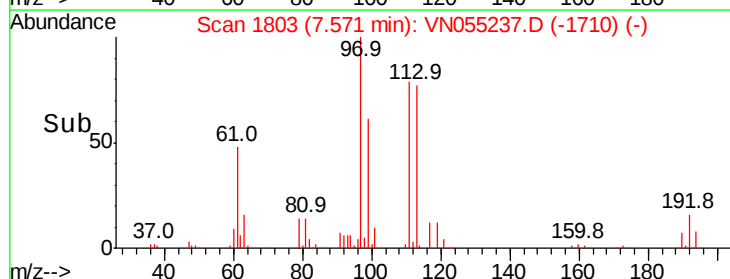
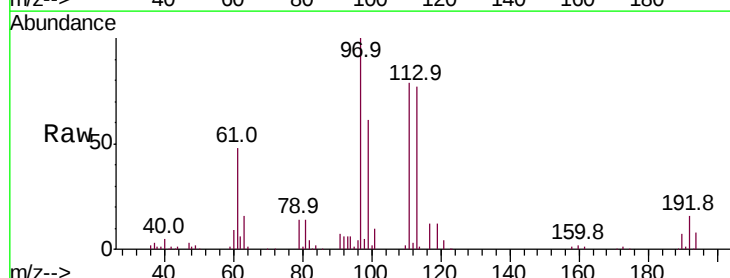
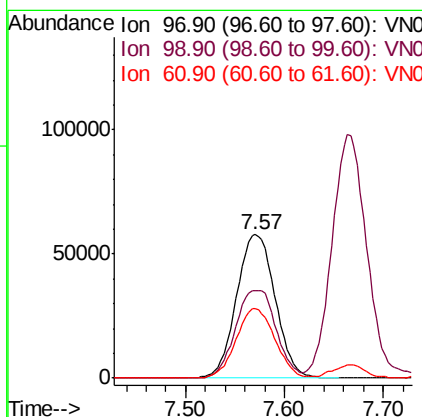
RT: 7.57 min Scan# 1803

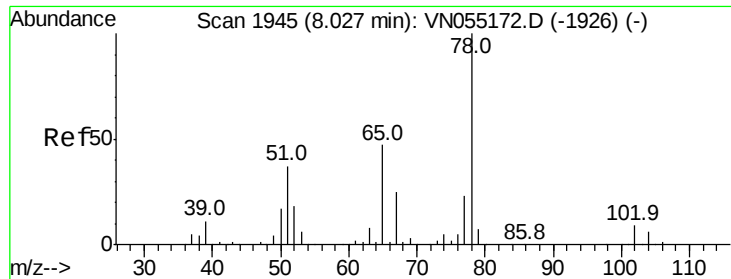
Delta R.T. 0.00 min

Lab File: VN055237.D

Acq: 25 Apr 2019 10:49

Tgt Ion	97	Resp	157102
Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.1	76.7
61	48.6	38.3	57.5





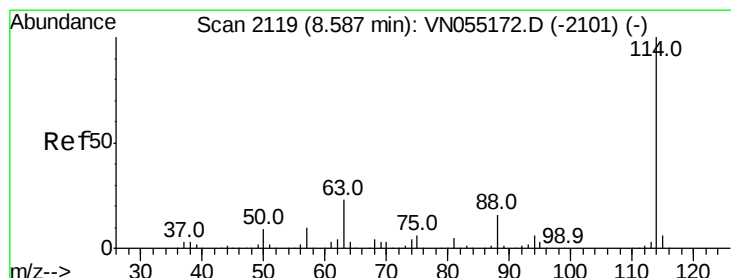
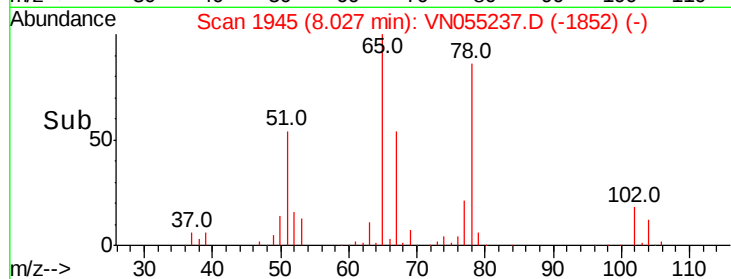
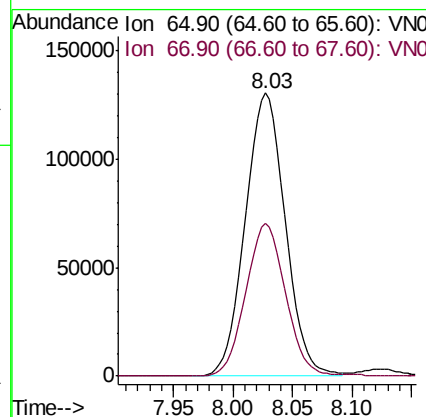
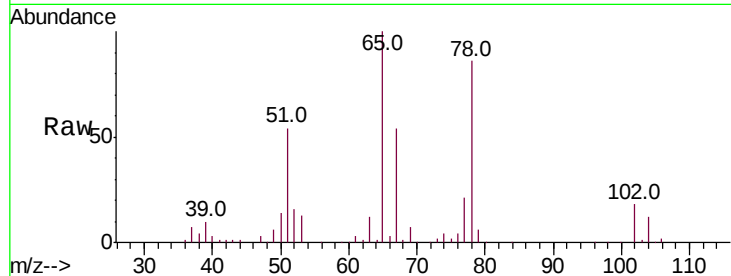
#33
 1,2-Dichloroethane-d4
 Concen: 50.549 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055237.D
 Acq: 25 Apr 2019 10:49

Instrument :
 MSVOA_N
 ClientSampled :
 VN0425WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.0	0.0	108.6	

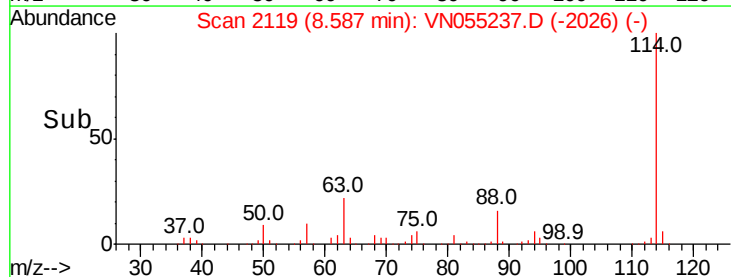
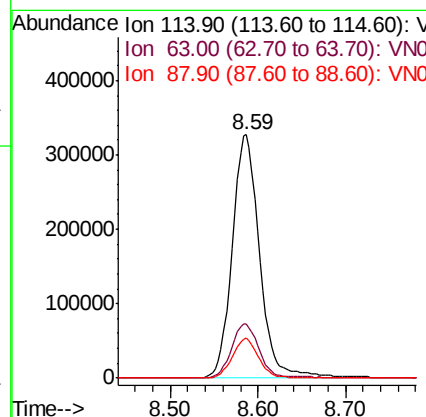
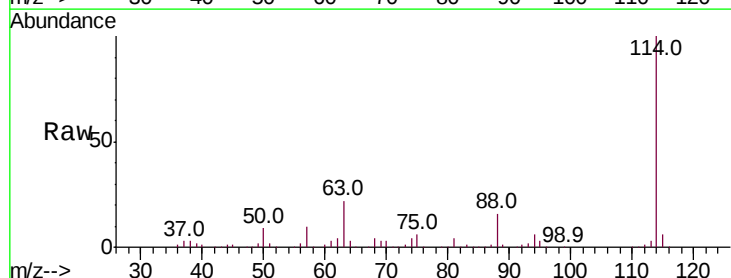
Manual Integrations
 APPROVED

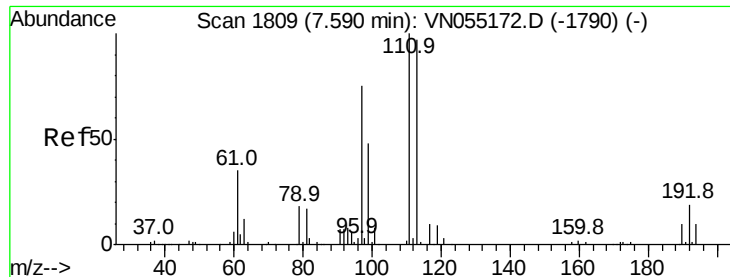
MMDadoda
 4/26/2019 10:58:59 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055237.D
 Acq: 25 Apr 2019 10:49

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.2	0.0	45.2	
88	16.4	0.0	32.8	





#35

Dibromofluoromethane

Concen: 50.061 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN055237.D

Acq: 25 Apr 2019 10:49

Instrument :

MSVOA_N

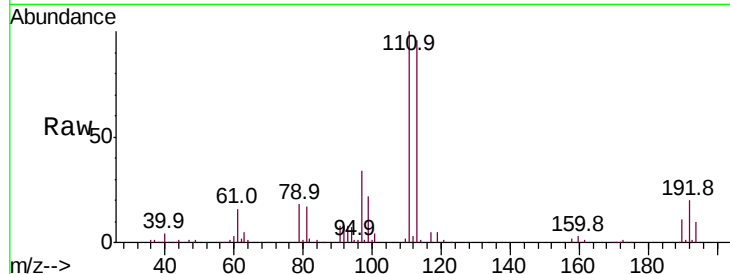
ClientSampleId :

VN0425WBS01

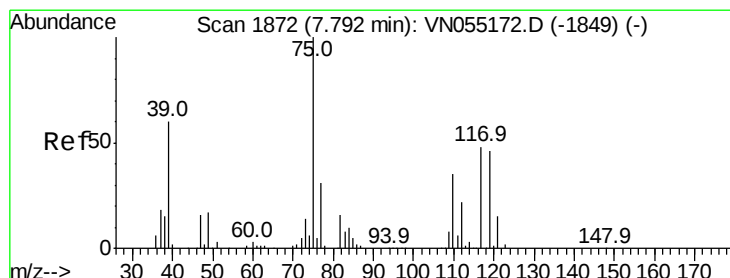
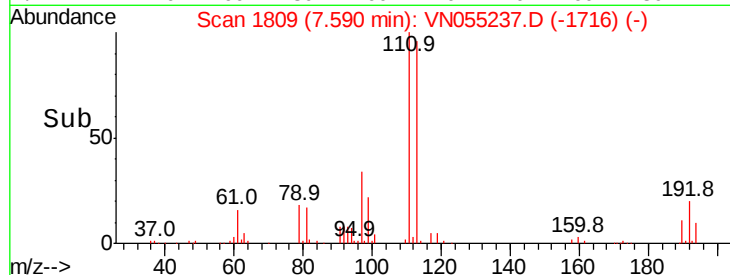
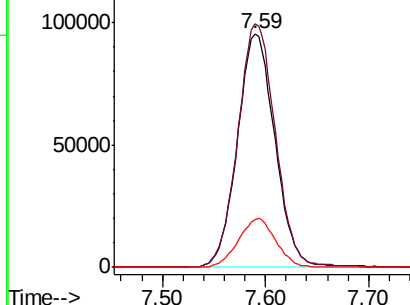
Tot Ion:	113	Resp:	241507
Ion Ratio	Lower	Upper	
113	100		
111	105.0	81.0	121.4
192	20.8	16.2	24.4

Manual Integrations
APPROVED

MMdadoda
4/26/2019 10:58:59 AM



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 21.481 ug/l

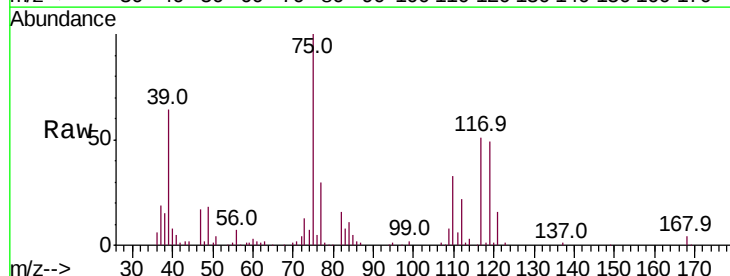
RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

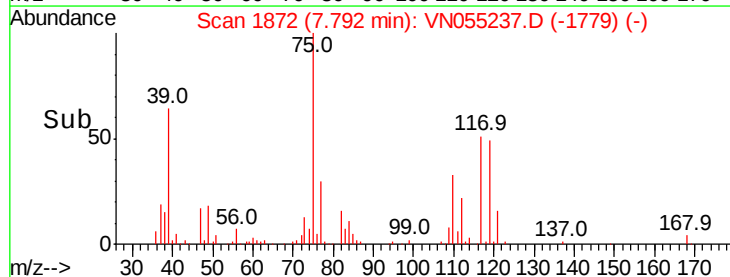
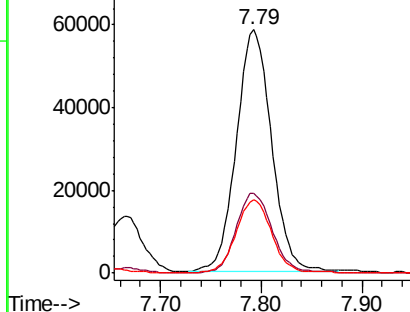
Lab File: VN055237.D

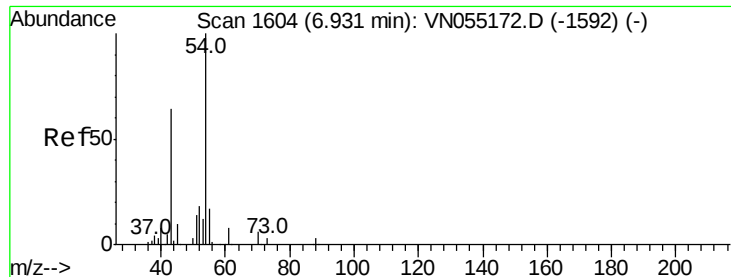
Acq: 25 Apr 2019 10:49

Tgt Ion:	75	Resp:	141581
Ion Ratio	Lower	Upper	
75	100		
110	33.9	17.1	51.2
77	30.7	24.6	36.8



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VN0





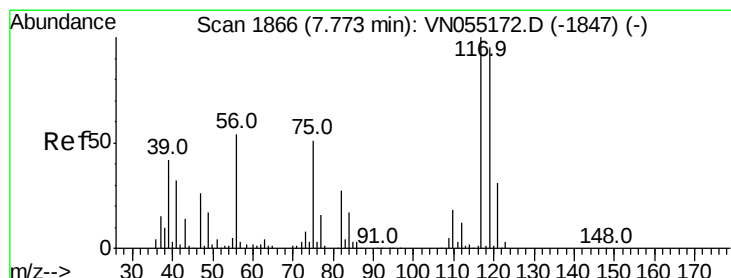
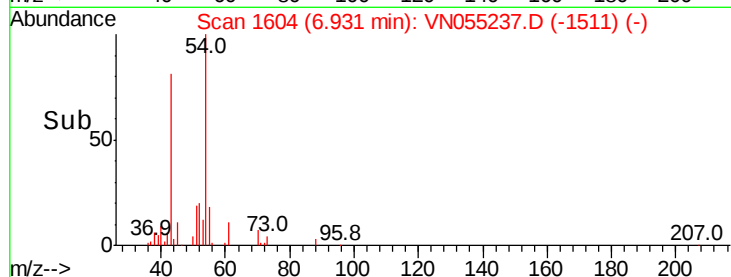
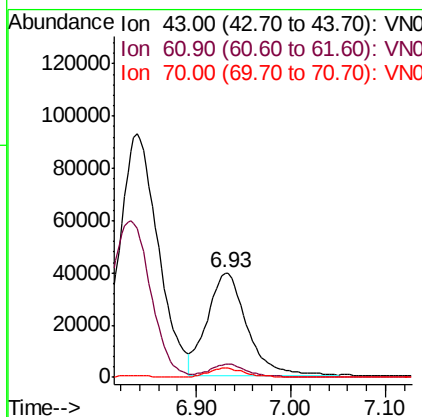
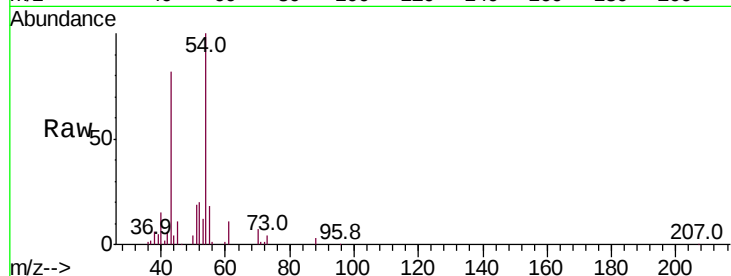
#37
Ethyl Acetate
Concen: 21.584 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN055237.D
Acq: 25 Apr 2019 10:49

Instrument :
MSVOA_N
ClientSampleId :
VN0425WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.5	9.7	14.5
70	8.3	6.9	10.3

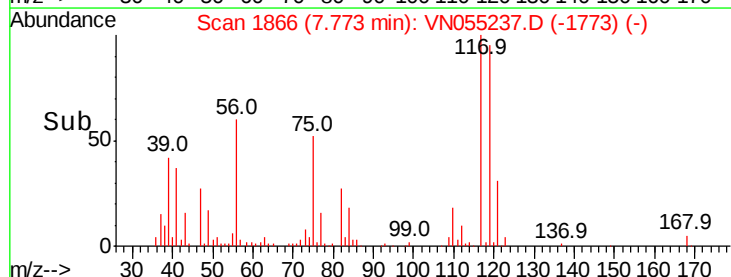
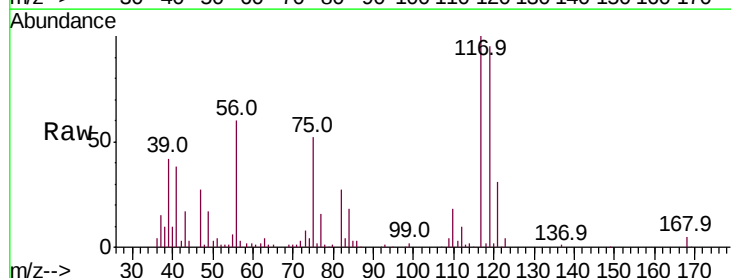
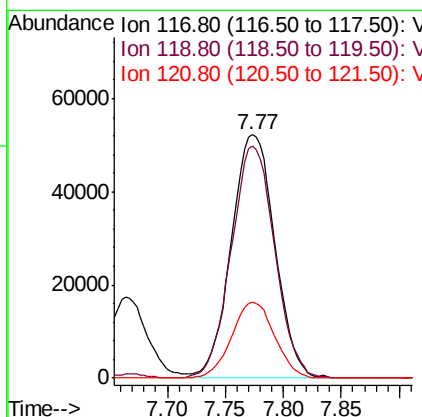
Manual Integrations
APPROVED

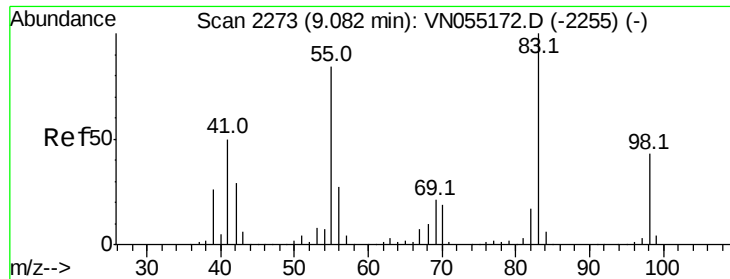
MMDadoda
4/26/2019 10:58:59 AM



#38
Carbon Tetrachloride
Concen: 22.171 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055237.D
Acq: 25 Apr 2019 10:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	76.0	114.0
121	30.9	24.6	36.8





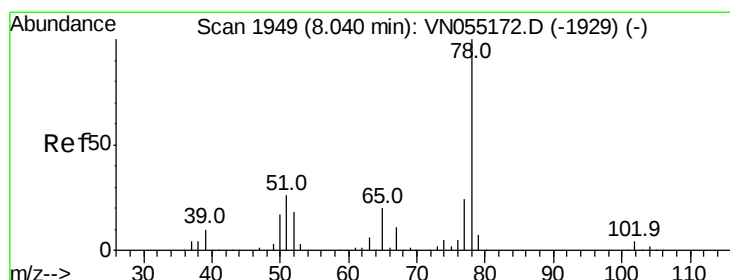
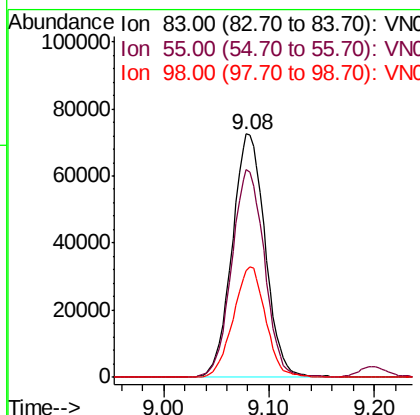
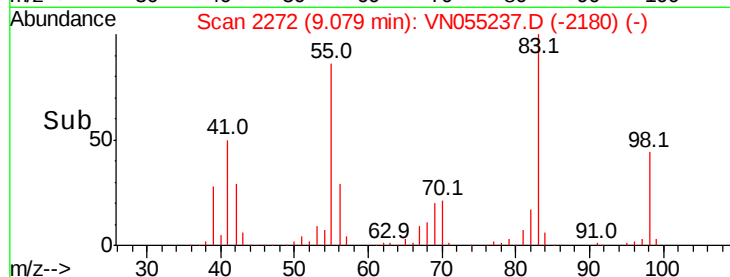
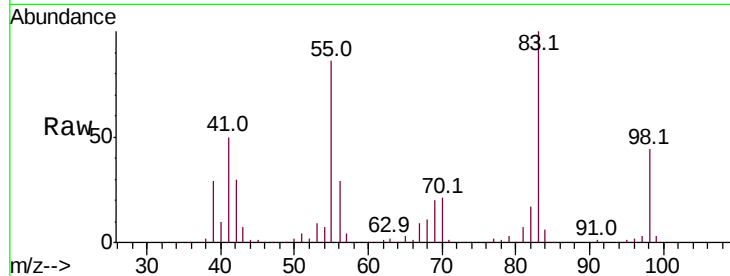
#39
Methvlcvclohexane
Concen: 19.979 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN055237.D
Acq: 25 Apr 2019 10:49

Instrument :
MSVOA_N
ClientSampleId :
VN0425WBS01

Tot Ion	83	Resp	157098
Ion Ratio	100	Lower	Upper
83	100		
55	85.6	67.4	101.0
98	44.0	34.7	52.1

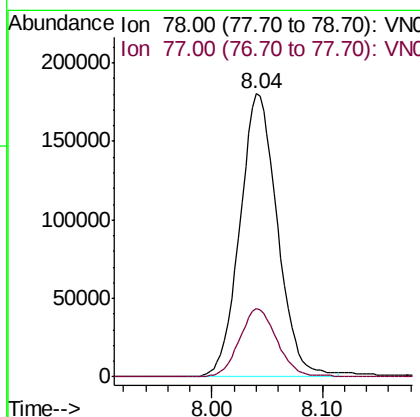
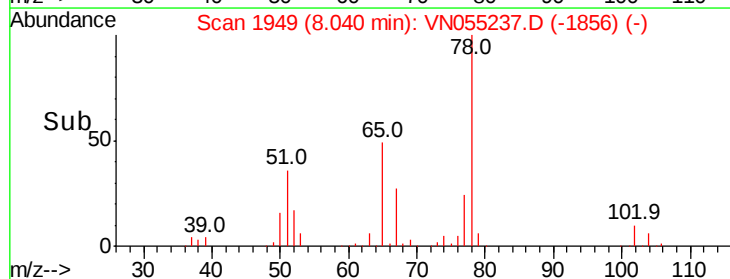
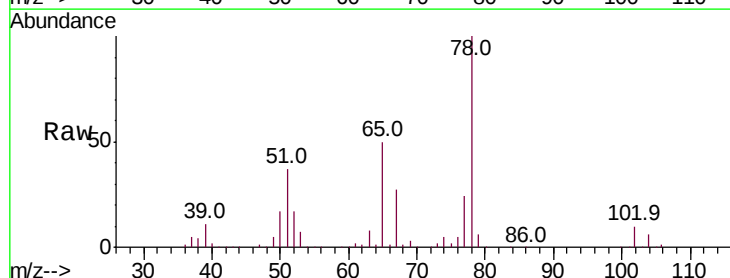
Manual Integrations
APPROVED

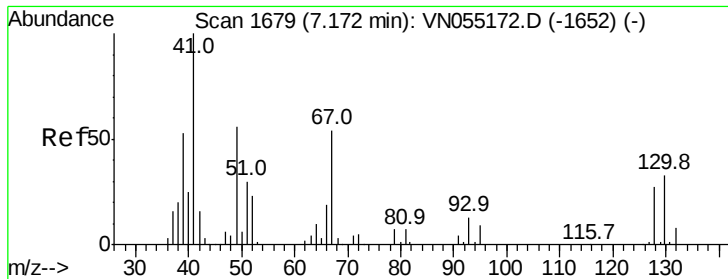
MMDadoda
4/26/2019 10:58:59 AM



#40
Benzene
Concen: 20.891 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055237.D
Acq: 25 Apr 2019 10:49

Tgt Ion	78	Resp	425057
Ion Ratio	100	Lower	Upper
78	100		
77	24.1	19.5	29.3





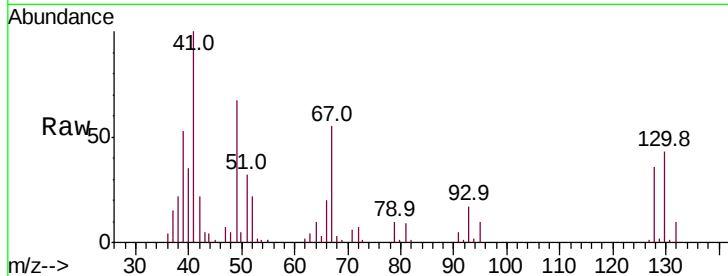
#41
Methacrylonitrile
Concen: 23.833 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055237.D
Acq: 25 Apr 2019 10:49

Instrument :
MSVOA_N
ClientSampleId :
VN0425WBS01

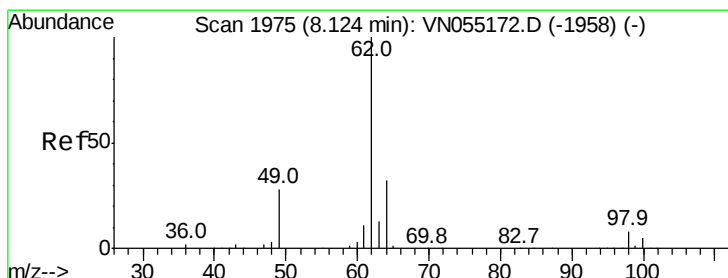
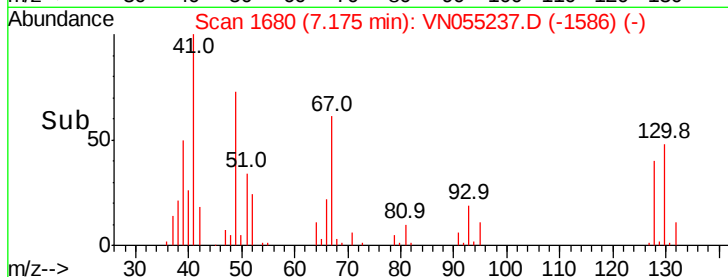
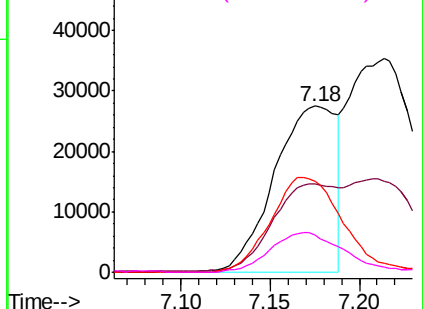
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.0	45.4	68.0	
67	66.8	54.6	81.8	
52	28.6	22.8	34.2	

Manual Integrations
APPROVED

MMDadoda
4/26/2019 10:58:59 AM

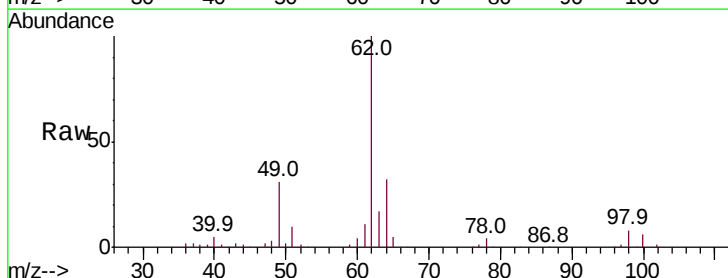


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

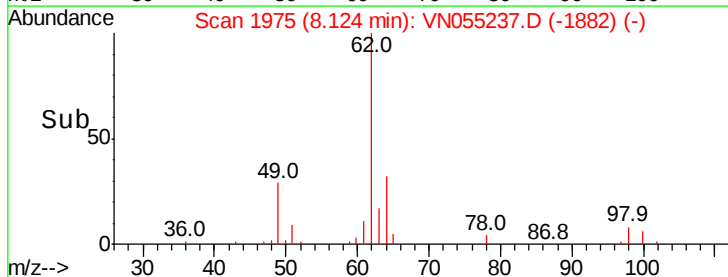
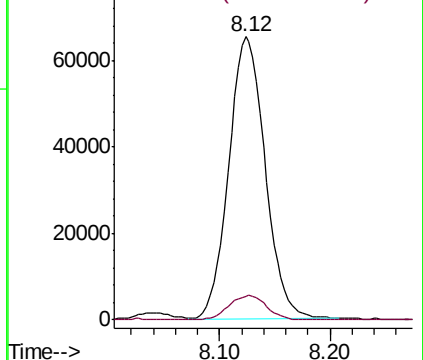


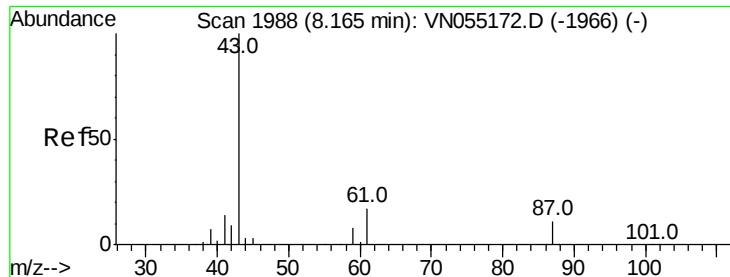
#42
1,2-Dichloroethane
Concen: 21.014 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055237.D
Acq: 25 Apr 2019 10:49

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.0	0.0	17.0	



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 22.944 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN055237.D

Acq: 25 Apr 2019 10:49

Instrument :

MSVOA_N

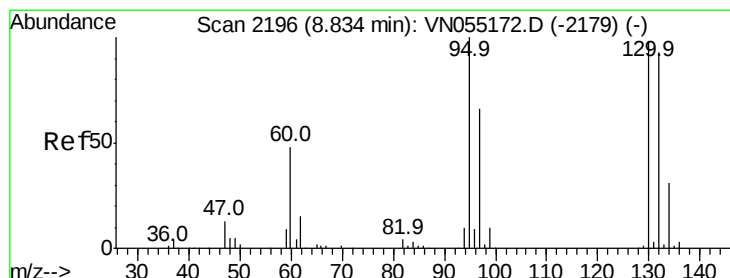
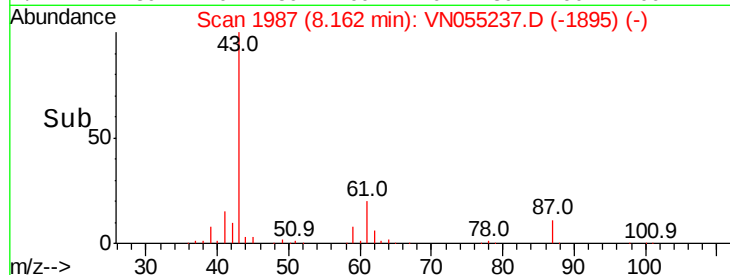
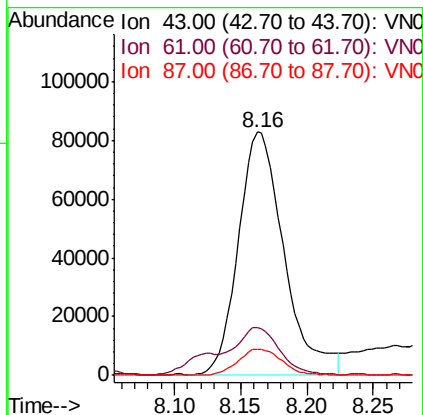
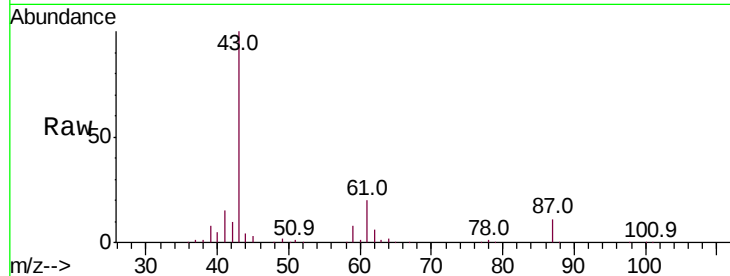
ClientSampleId :

VN0425WBS01

Tot Ion:	43	Resp:	197629
Ion	Ratio	Lower	Upper
43	100		
61	17.7	20.6	30.8#
87	10.4	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
4/26/2019 10:58:59 AM



#44

Trichloroethene

Concen: 21.309 ug/l

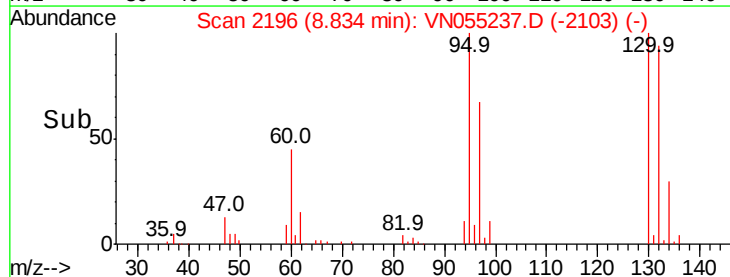
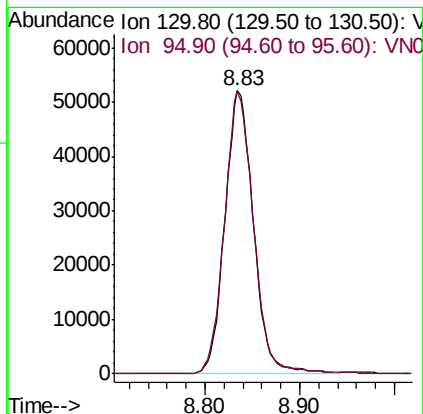
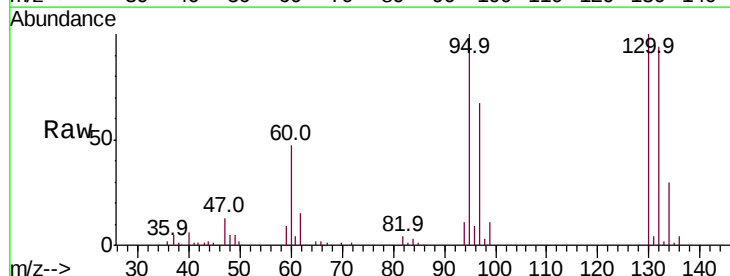
RT: 8.83 min Scan# 2196

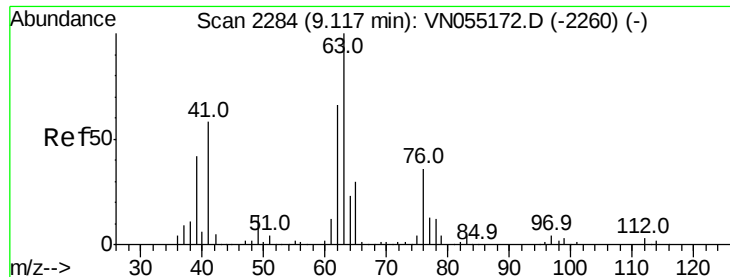
Delta R.T. 0.00 min

Lab File: VN055237.D

Acq: 25 Apr 2019 10:49

Tgt Ion:	130	Resp:	109582
Ion	Ratio	Lower	Upper
130	100		
95	99.8	0.0	203.6





#45

1,2-Dichloropropane

Concen: 21.100 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN055237.D

Acq: 25 Apr 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

VN0425WBS01

Tot Ion: 63 Resp: 121180

Ion Ratio Lower Upper

63 100

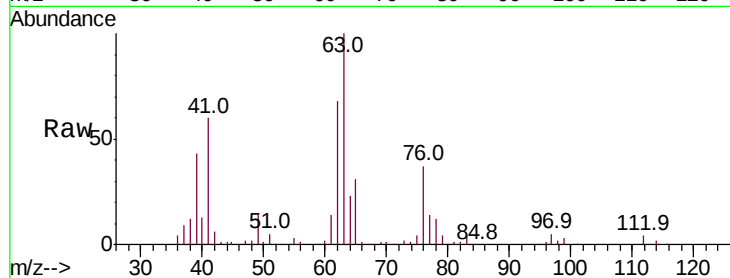
65 31.1 23.8 35.6

Manual Integrations

APPROVED

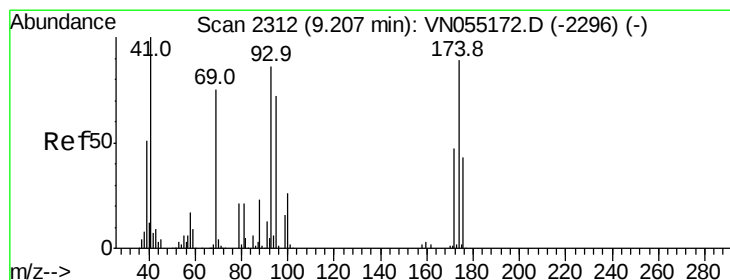
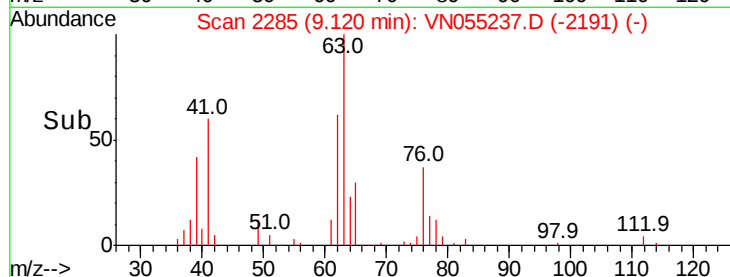
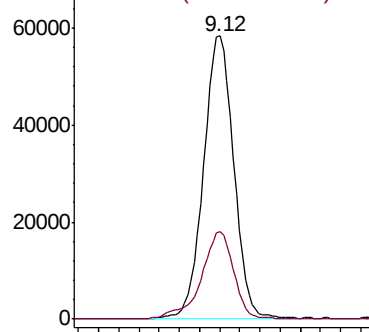
MMdadoda

4/26/2019 10:58:59 AM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 21.173 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055237.D

Acq: 25 Apr 2019 10:49

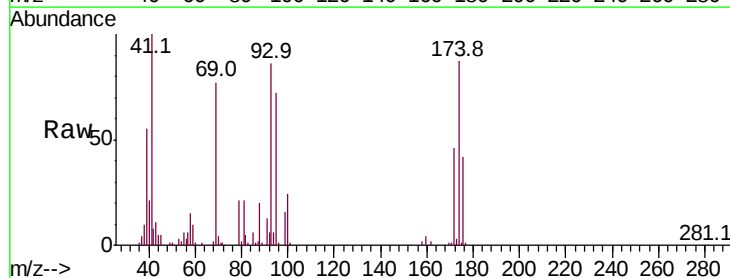
Tgt Ion: 93 Resp: 69612

Ion Ratio Lower Upper

93 100

95 82.5 67.6 101.4

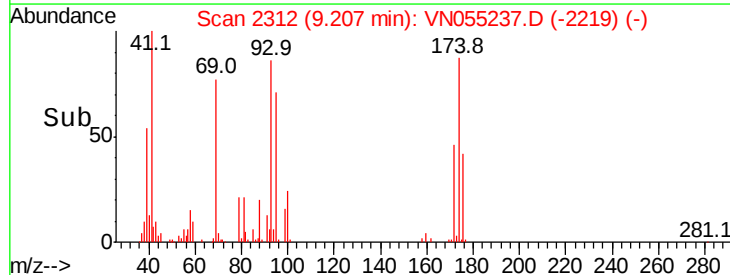
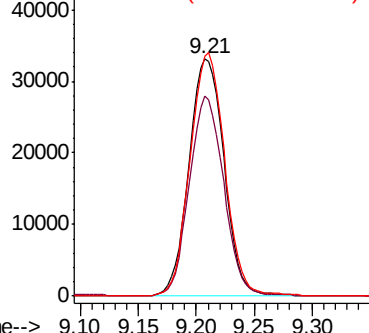
174 101.4 83.4 125.2

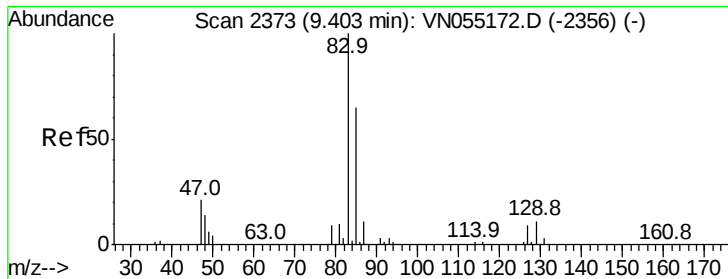


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 21.824 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055237.D

Acq: 25 Apr 2019 10:49

Instrument :

MSVOA_N

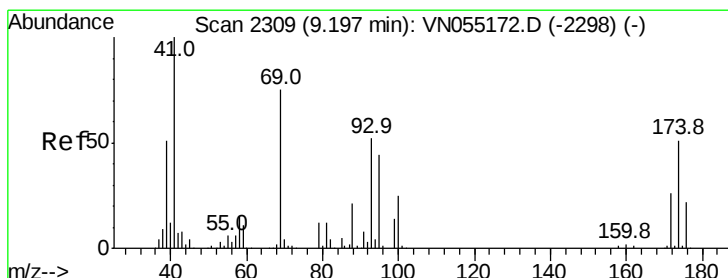
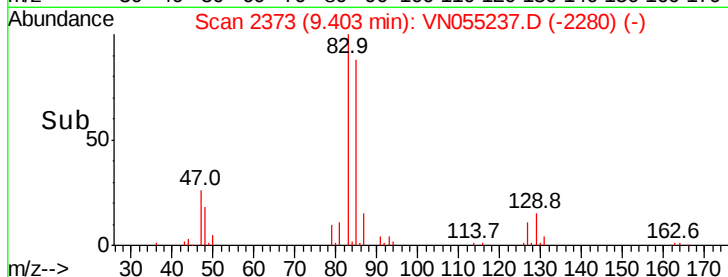
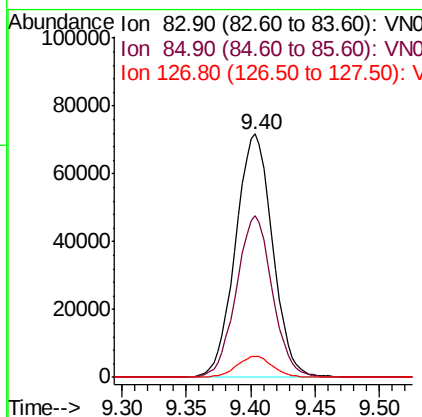
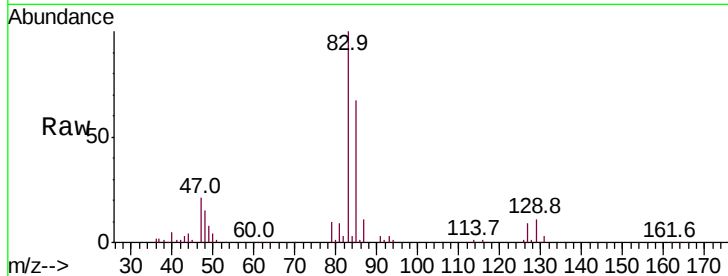
ClientSampleId :

VN0425WBS01

Tot Ion:	83	Resp:	143637
Ion Ratio	Lower	Upper	
83	100		
85	66.5	52.1	78.1
127	8.6	6.9	10.3

Manual Integrations
APPROVED

MMdadoda
4/26/2019 10:58:59 AM



#48

Methyl methacrylate

Concen: 21.560 ug/l

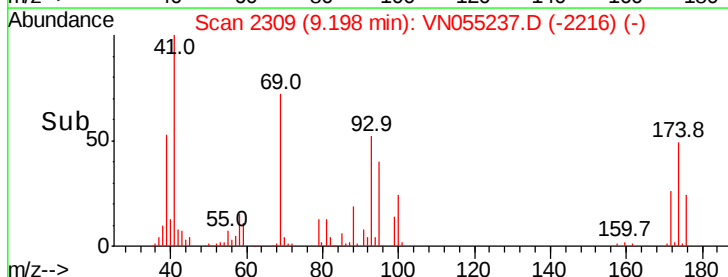
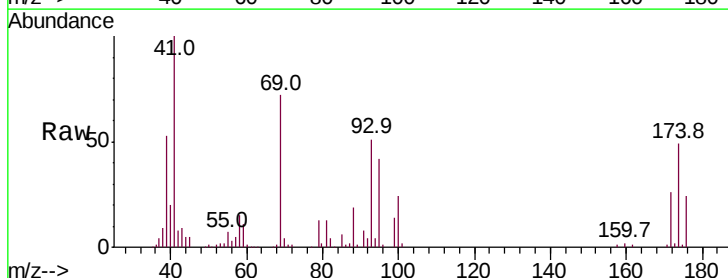
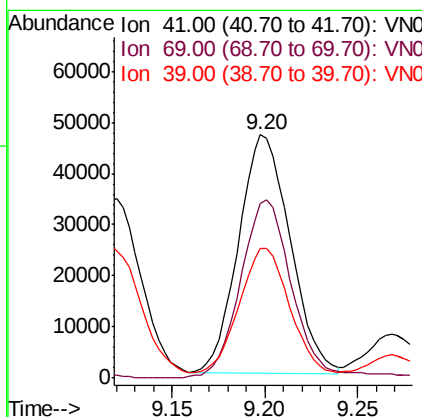
RT: 9.20 min Scan# 2309

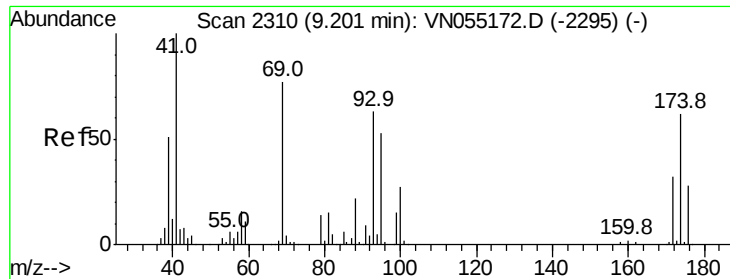
Delta R.T. 0.00 min

Lab File: VN055237.D

Acq: 25 Apr 2019 10:49

Tgt Ion:	41	Resp:	90081
Ion Ratio	Lower	Upper	
41	100		
69	76.7	63.6	95.4
39	53.8	43.8	65.8





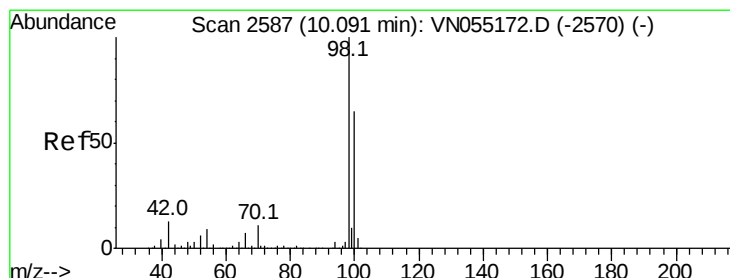
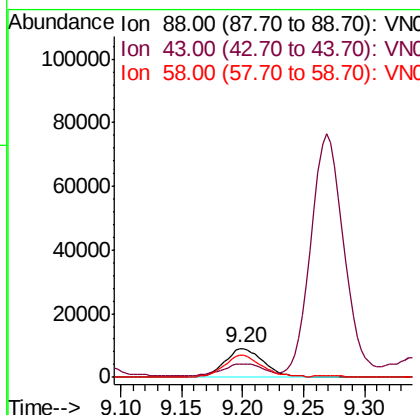
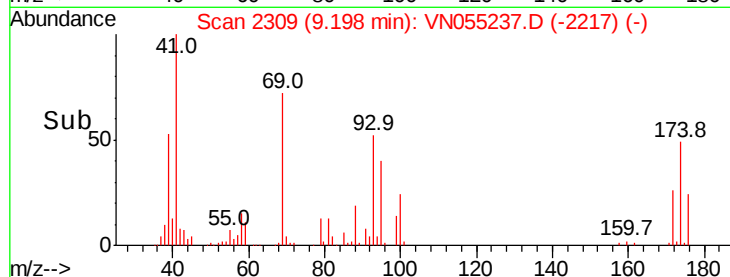
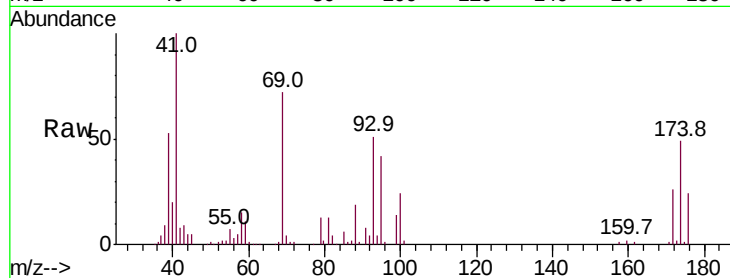
#49
1,4-Dioxane
Concen: 418.808 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN055237.D
Acq: 25 Apr 2019 10:49

Instrument :
MSVOA_N
ClientSampleId :
VN0425WBS01

Tot Ion: 88 Resp: 20208
Ion Ratio Lower Upper
88 100
43 43.0 32.0 48.0
58 75.3 60.4 90.6

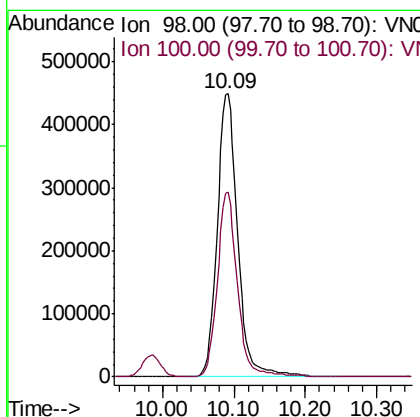
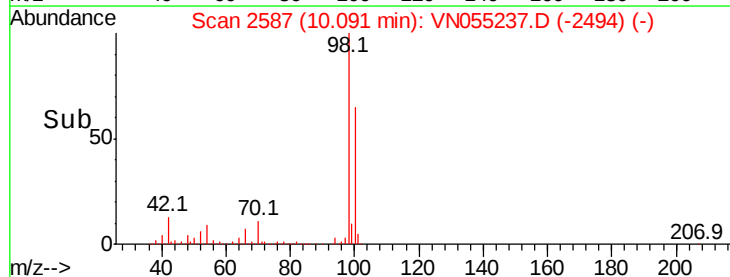
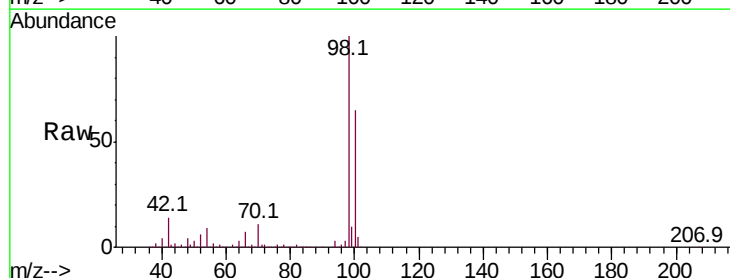
Manual Integrations
APPROVED

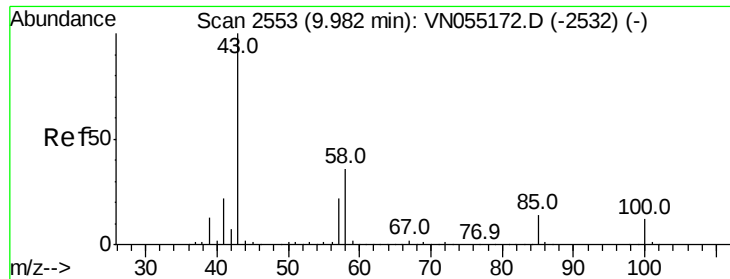
MMDadoda
4/26/2019 10:58:59 AM



#50
Toluene-d8
Concen: 49.857 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055237.D
Acq: 25 Apr 2019 10:49

Tgt Ion: 98 Resp: 891163
Ion Ratio Lower Upper
98 100
100 64.1 51.8 77.6





#51

4-Methyl-2-Pentanone

Concen: 108.203 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN055237.D

Acq: 25 Apr 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

VN0425WBS01

Tot Ion: 43 Resp: 536308

Ion Ratio Lower Upper

43 100

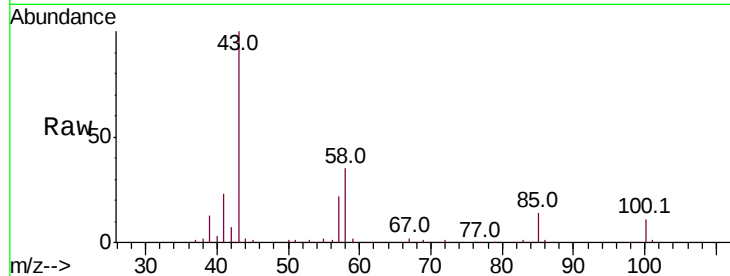
58 35.0 28.3 42.5

Manual Integrations

APPROVED

MMdadoda

4/26/2019 10:58:59 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.98

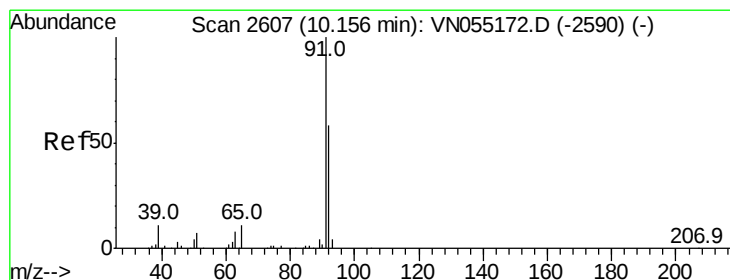
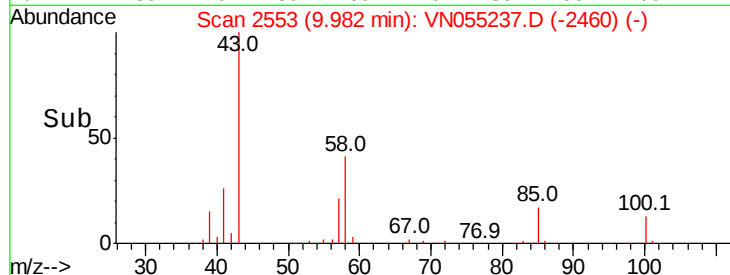
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 21.172 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN055237.D

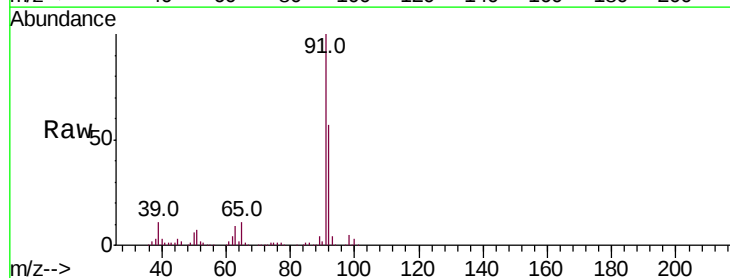
Acq: 25 Apr 2019 10:49

Tgt Ion: 92 Resp: 252532

Ion Ratio Lower Upper

92 100

91 178.1 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.15

250000

200000

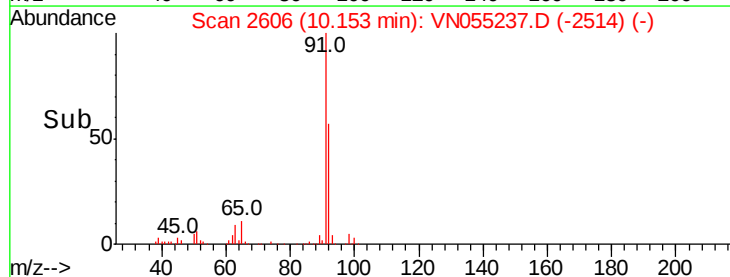
150000

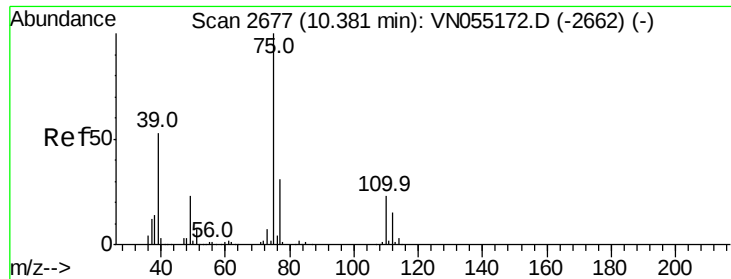
100000

50000

0

Time-->





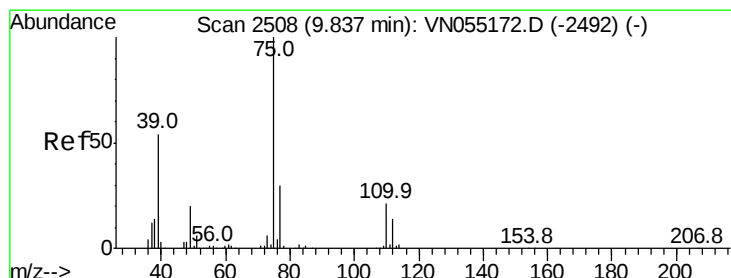
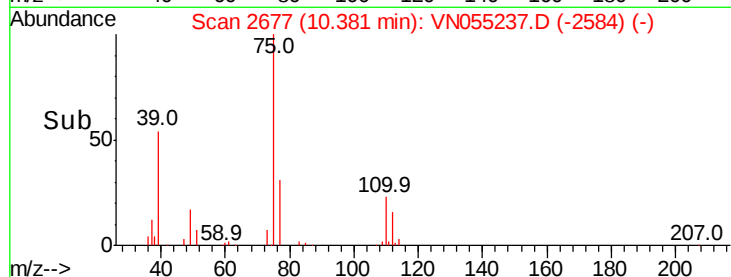
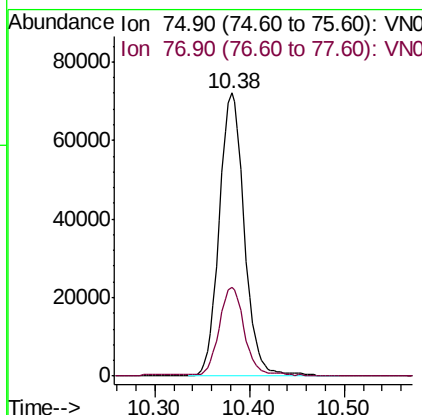
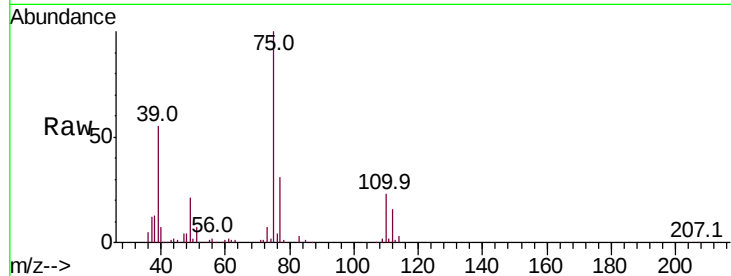
#53
 t-1,3-Dichloropropene
 Concen: 21.968 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN055237.D
 Acq: 25 Apr 2019 10:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0425WBS01

Tot Ion: 75 Resp: 132688
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.1 37.7

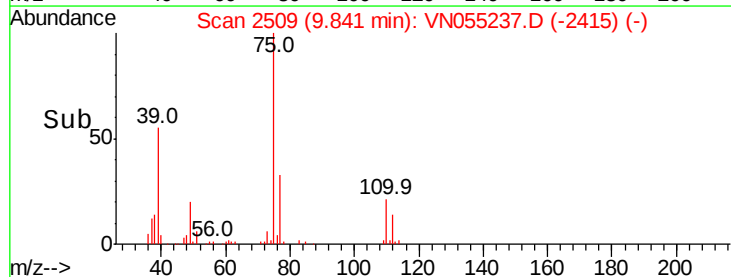
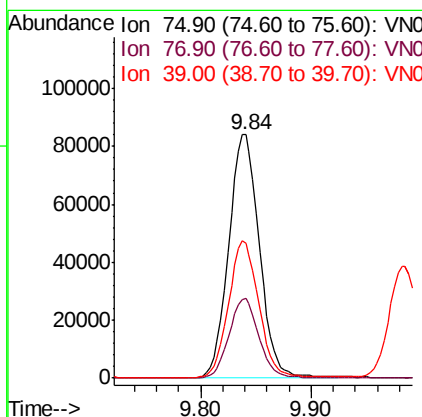
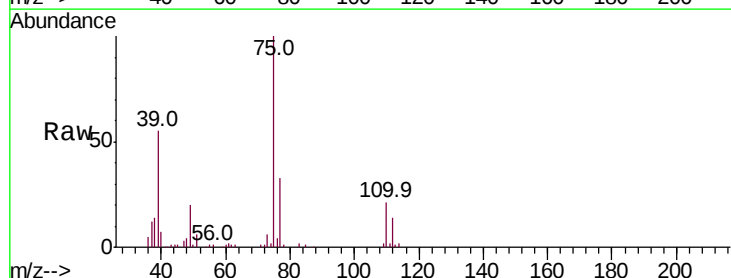
Manual Integrations
 APPROVED

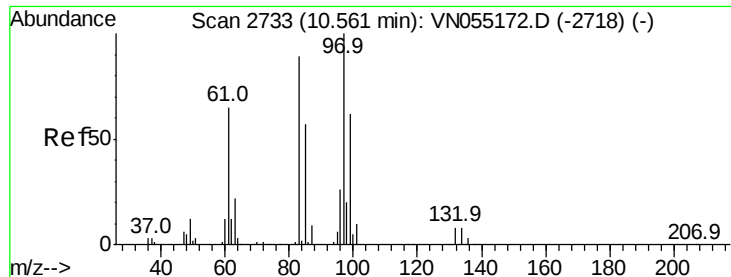
MMdadoda
 4/26/2019 10:58:59 AM



#54
 cis-1,3-Dichloropropene
 Concen: 21.705 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN055237.D
 Acq: 25 Apr 2019 10:49

Tgt Ion: 75 Resp: 162690
 Ion Ratio Lower Upper
 75 100
 77 32.7 24.3 36.5
 39 54.9 43.0 64.4





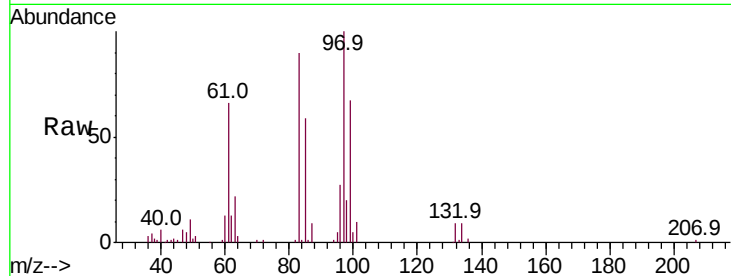
#55
 1,1,2-Trichloroethane
 Concen: 21.029 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055237.D
 Acq: 25 Apr 2019 10:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0425WBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	90.5	71.5	107.3
85	59.1	45.8	68.6
99	66.6	49.9	74.9

Manual Integrations
 APPROVED

MMDadoda
 4/26/2019 10:58:59 AM



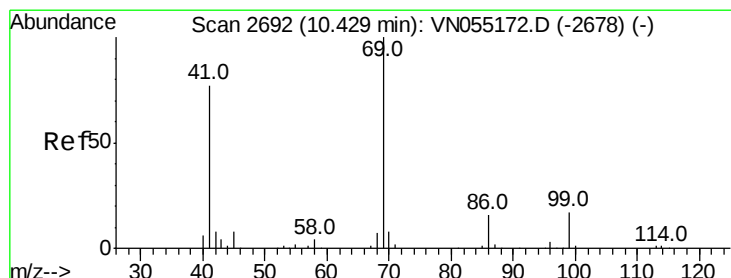
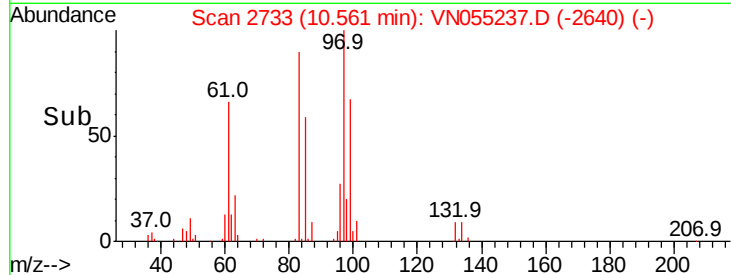
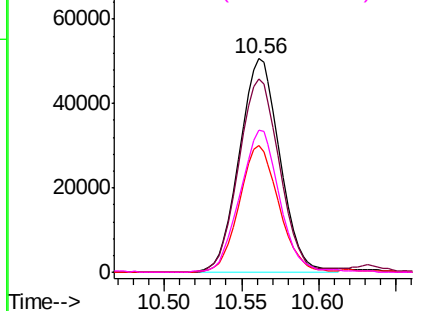
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

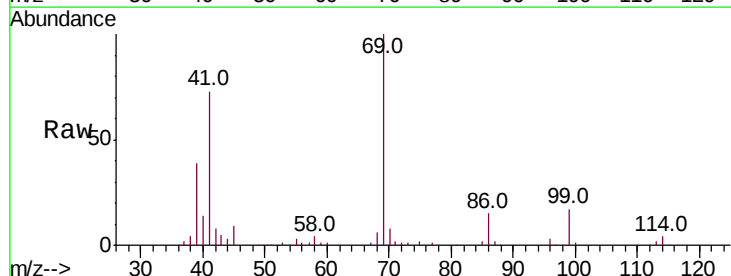
Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56
 Ethyl methacrylate
 Concen: 22.145 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055237.D
 Acq: 25 Apr 2019 10:49

Tgt Ion	Ratio	Lower	Upper
69	100		
41	74.5	60.6	90.8
39	39.1	31.7	47.5

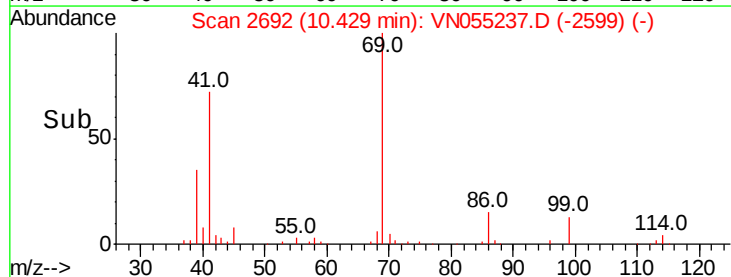
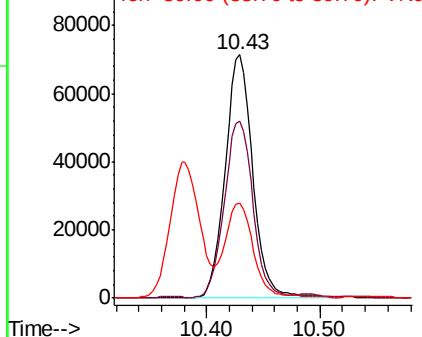


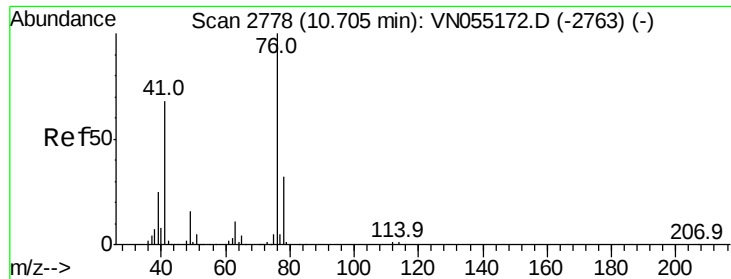
Abundance

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: 21.460 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055237.D

Acq: 25 Apr 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

VN0425WBS01

Tot Ion: 76 Resp: 164183

Ion Ratio Lower Upper

76 100

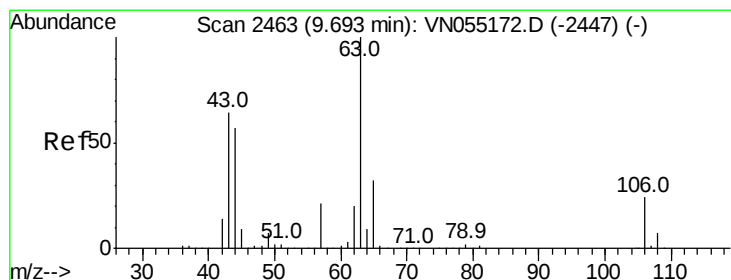
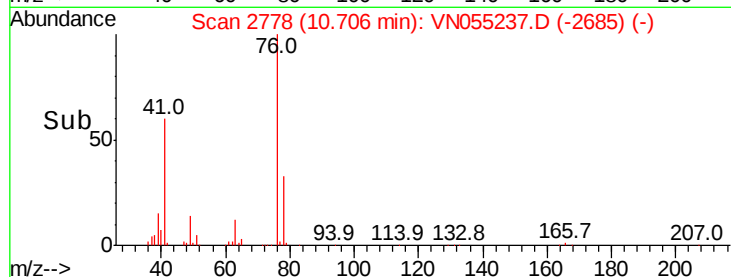
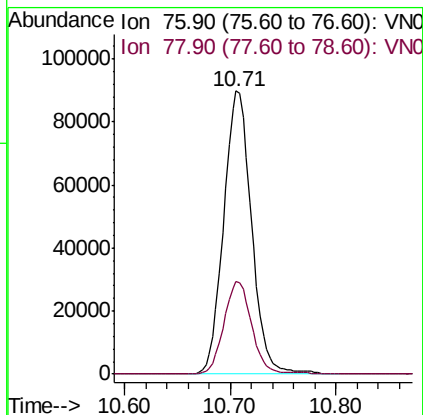
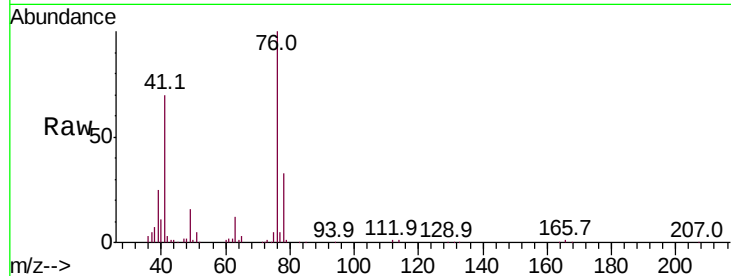
78 32.4 25.3 37.9

Manual Integrations

APPROVED

MMdadoda

4/26/2019 10:58:59 AM



#58

2-Chloroethyl Vinyl ether

Concen: 87.543 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN055237.D

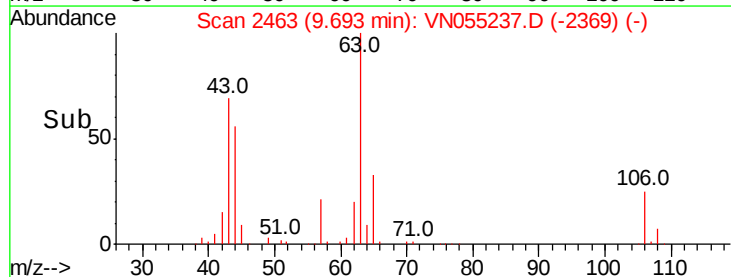
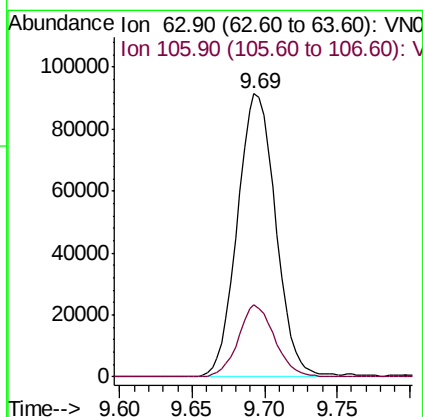
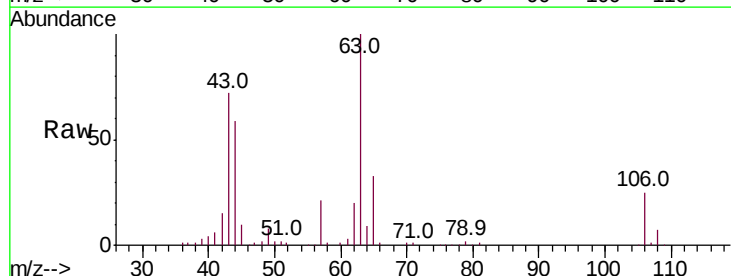
Acq: 25 Apr 2019 10:49

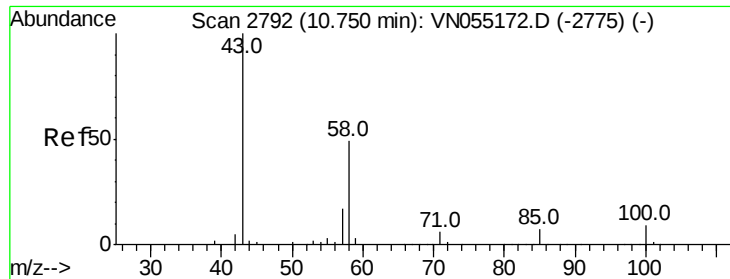
Tgt Ion: 63 Resp: 168579

Ion Ratio Lower Upper

63 100

106 24.0 19.4 29.0





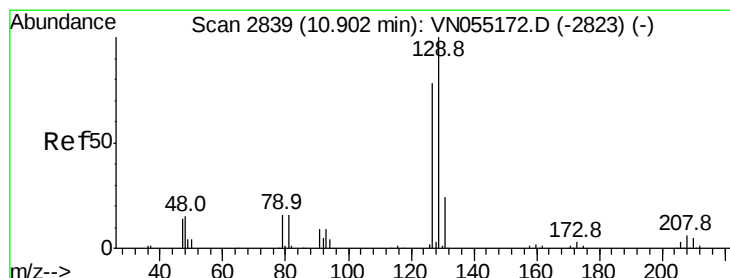
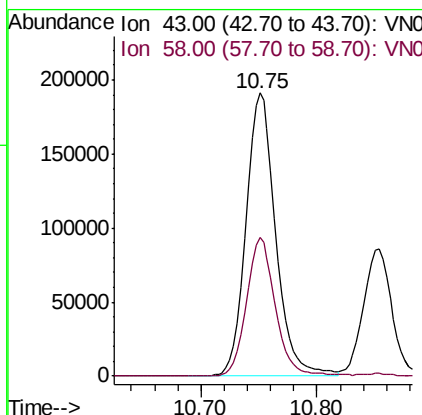
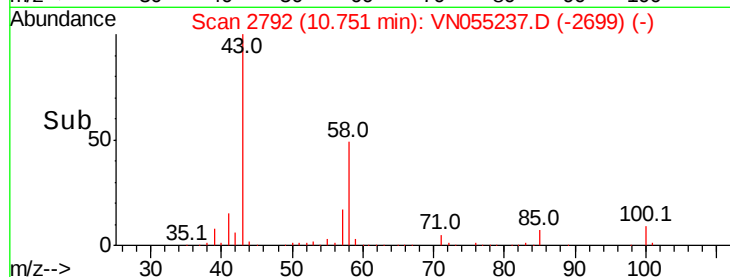
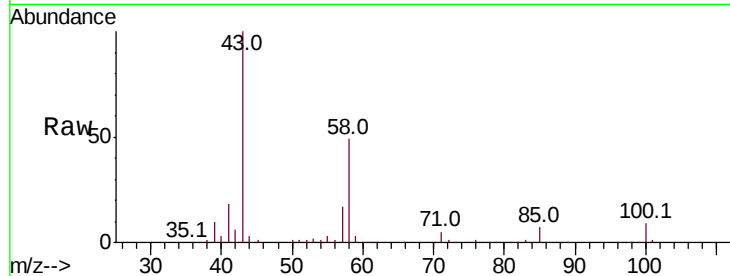
#59
2-Hexanone
Concen: 108.506 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055237.D
Acq: 25 Apr 2019 10:49

Instrument :
MSVOA_N
ClientSampled :
VN0425WBS01

Tot Ion: 43 Resp: 339705
Ion Ratio Lower Upper
43 100
58 48.0 24.5 73.5

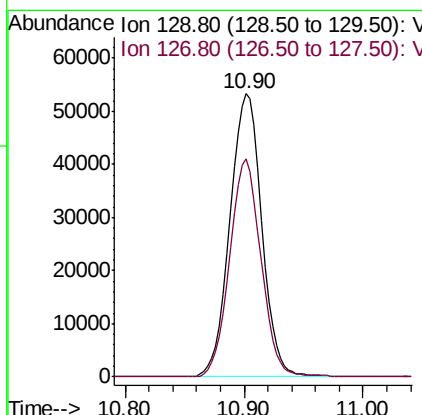
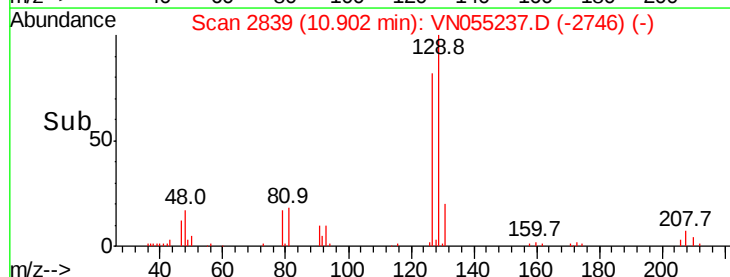
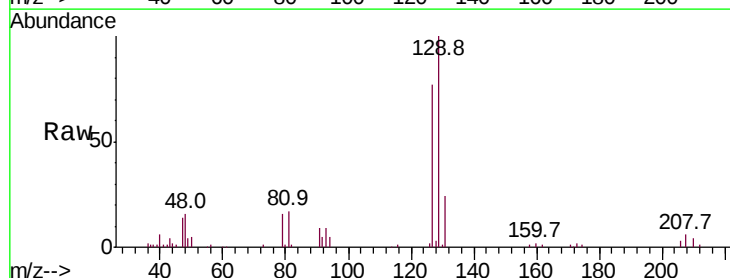
Manual Integrations
APPROVED

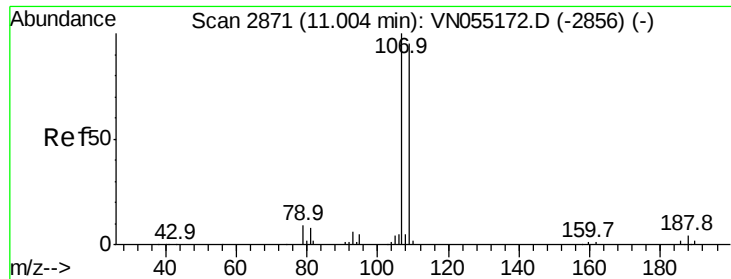
MMdadoda
4/26/2019 10:58:59 AM



#60
Dibromochloromethane
Concen: 21.822 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055237.D
Acq: 25 Apr 2019 10:49

Tgt Ion: 129 Resp: 98838
Ion Ratio Lower Upper
129 100
127 75.4 39.0 117.0





#61

1,2-Dibromoethane

Concen: 21.979 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055237.D

Acq: 25 Apr 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

VN0425WBS01

Tot Ion:107 Resp: 90870

Ion Ratio Lower Upper

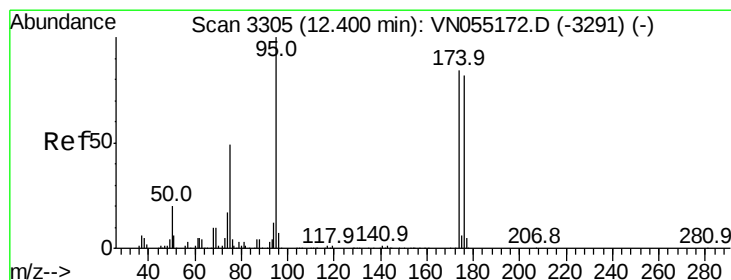
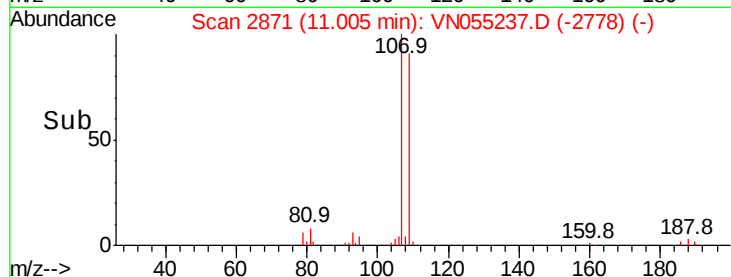
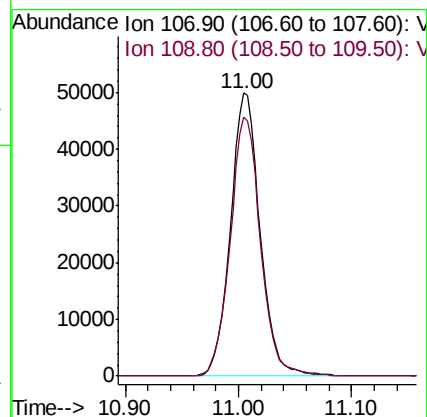
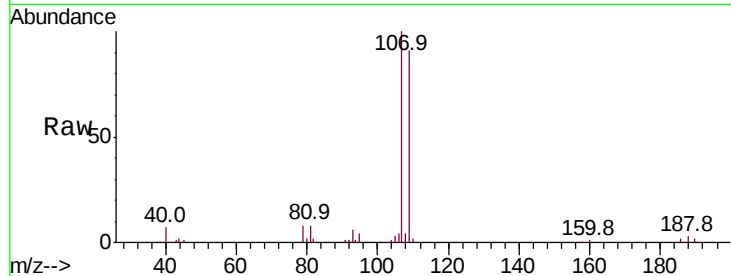
107 100

109 93.5 75.8 113.6

Manual Integrations
APPROVED

MMdadoda

4/26/2019 10:58:59 AM



#62

4-Bromofluorobenzene

Concen: 49.930 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055237.D

Acq: 25 Apr 2019 10:49

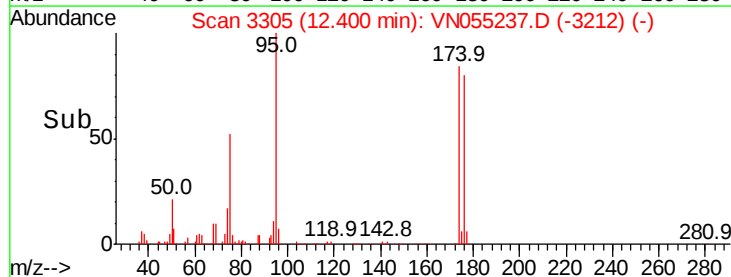
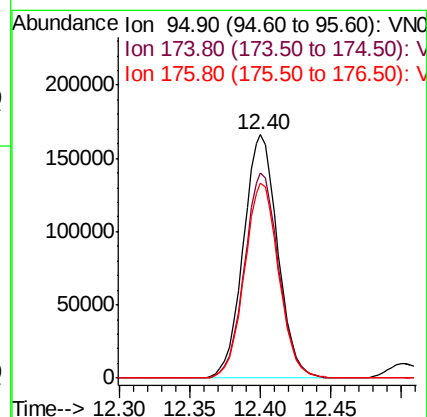
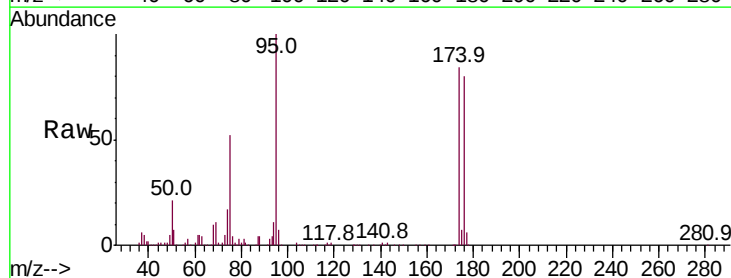
Tgt Ion: 95 Resp: 282619

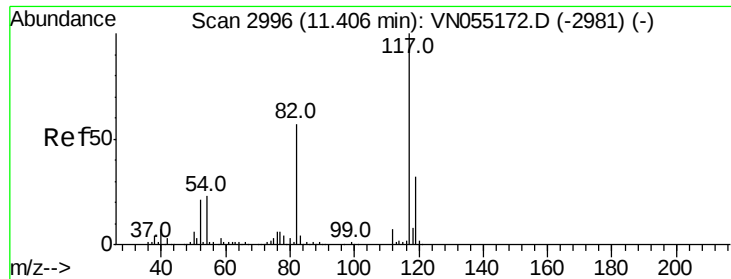
Ion Ratio Lower Upper

95 100

174 84.1 0.0 168.4

176 80.1 0.0 164.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN055237.D

Acq: 25 Apr 2019 10:49

Instrument :

MSVOA_N

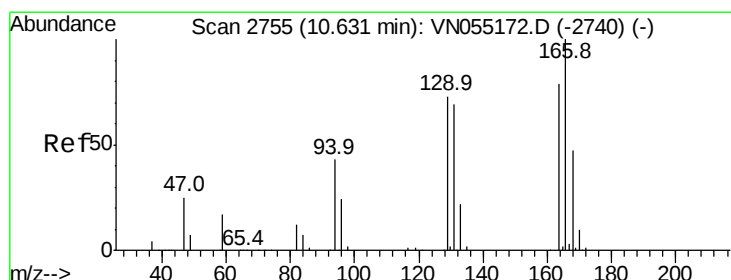
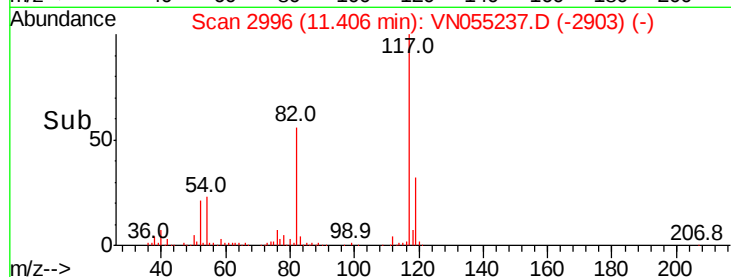
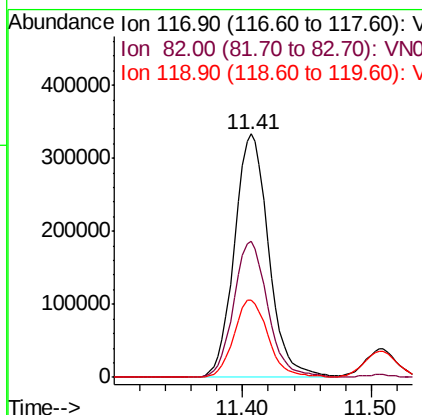
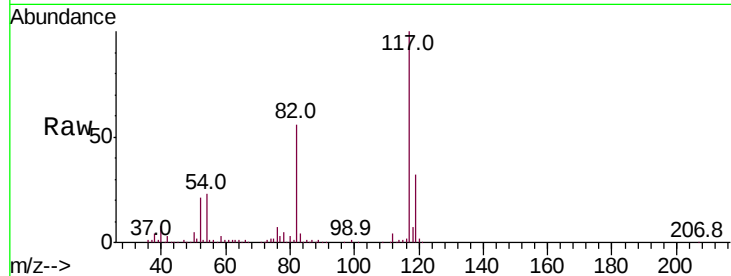
ClientSampleId :

VN0425WBS01

Tot Ion:	117	Resp:	615522
Ion Ratio	Lower	Upper	
117	100		
82	55.7	45.7	68.5
119	31.9	25.4	38.2

Manual Integrations
APPROVED

MMdadoda
4/26/2019 10:58:59 AM



#64

Tetrachloroethene

Concen: 20.546 ug/l

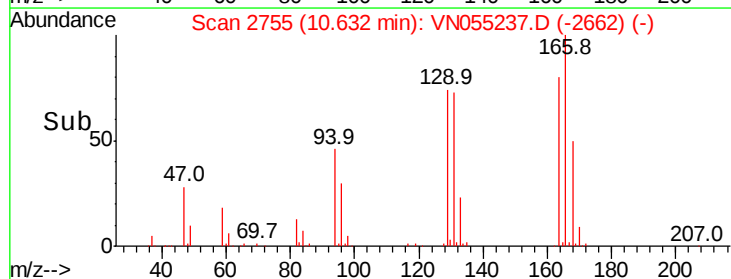
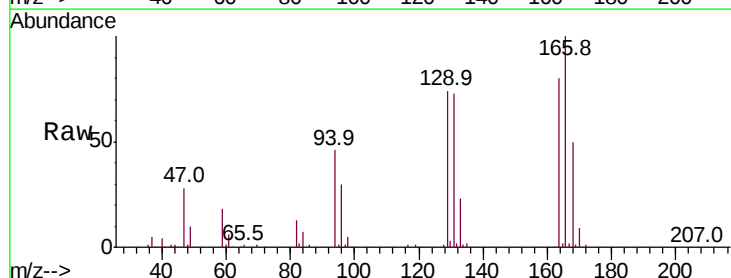
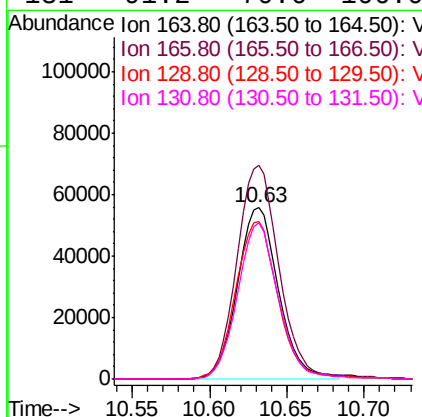
RT: 10.63 min Scan# 2755

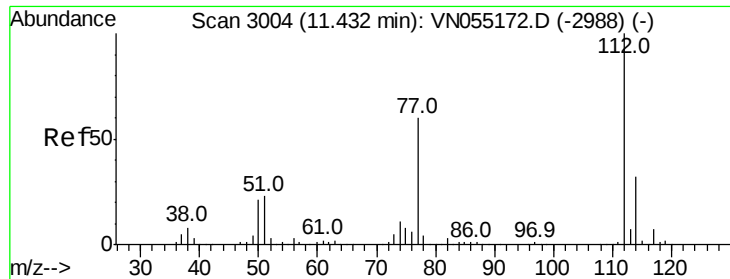
Delta R.T. 0.00 min

Lab File: VN055237.D

Acq: 25 Apr 2019 10:49

Tgt Ion:	164	Resp:	103166
Ion Ratio	Lower	Upper	
164	100		
166	124.8	101.9	152.9
129	92.3	74.1	111.1
131	91.2	70.6	106.0





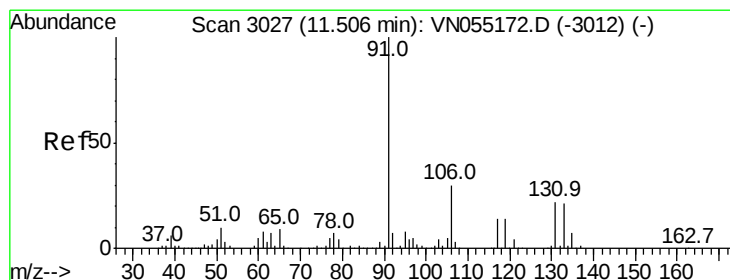
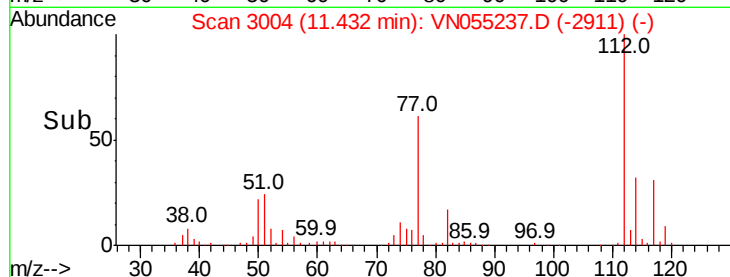
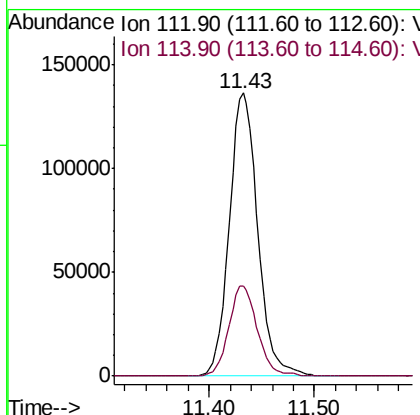
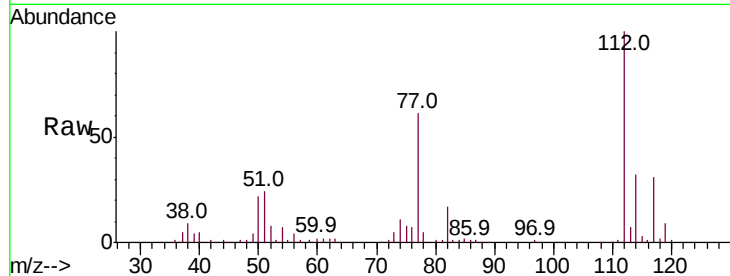
#65
Chlorobenzene
Concen: 20.189 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055237.D
Acq: 25 Apr 2019 10:49

Instrument :
MSVOA_N
ClientSampleId :
VN0425WBS01

Tot Ion:112 Resp: 253642
Ion Ratio Lower Upper
112 100
114 32.0 25.4 38.0

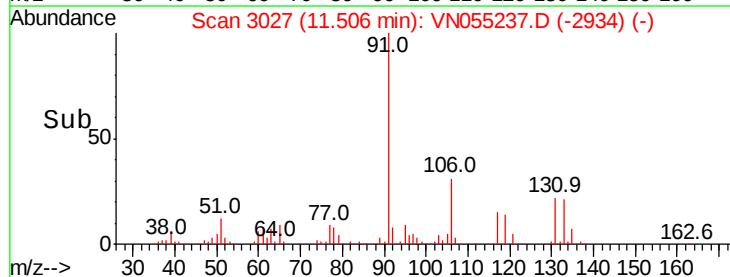
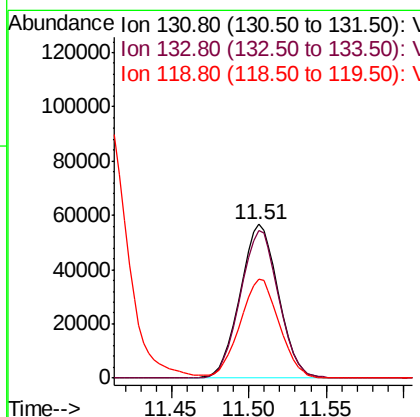
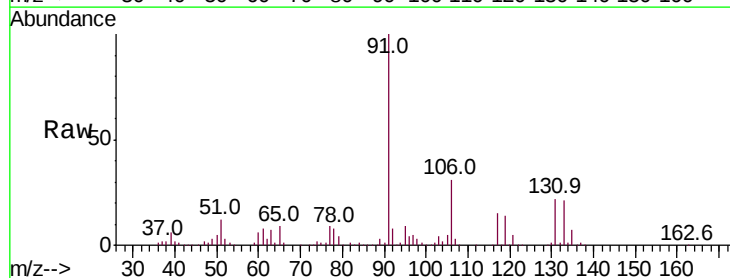
Manual Integrations
APPROVED

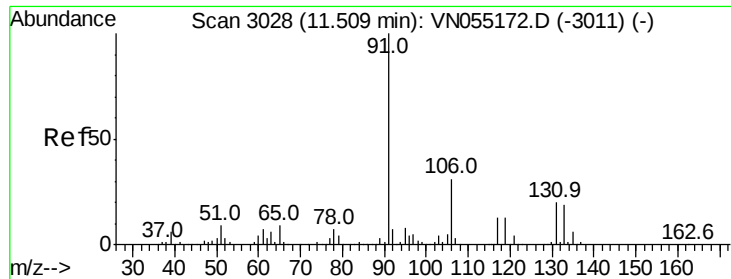
MMdadoda
4/26/2019 10:58:59 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.970 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN055237.D
Acq: 25 Apr 2019 10:49

Tgt Ion:131 Resp: 97647
Ion Ratio Lower Upper
131 100
133 96.3 47.7 143.1
119 65.7 33.2 99.6





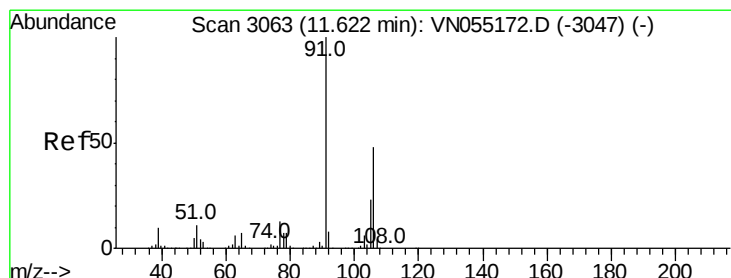
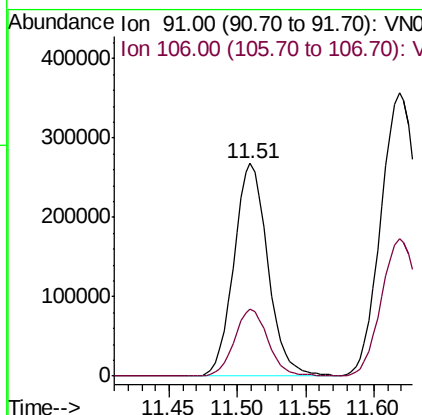
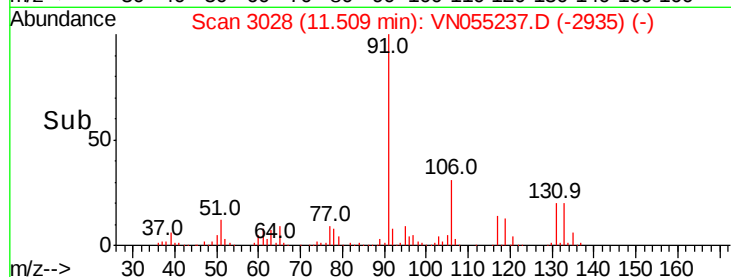
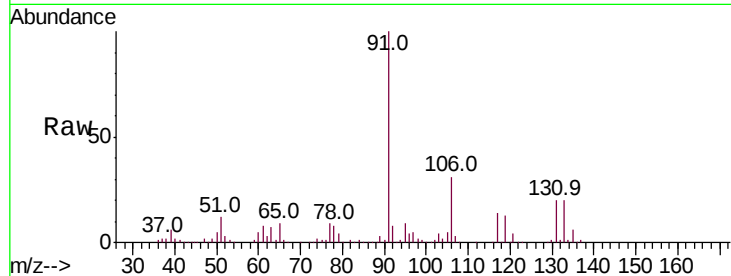
#67
Ethyl Benzene
Concen: 20.744 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055237.D
Acq: 25 Apr 2019 10:49

Instrument :
MSVOA_N
ClientSampleId :
VN0425WBS01

Tot Ion: 91 Resp: 464232
Ion Ratio Lower Upper
91 100
106 31.3 24.5 36.7

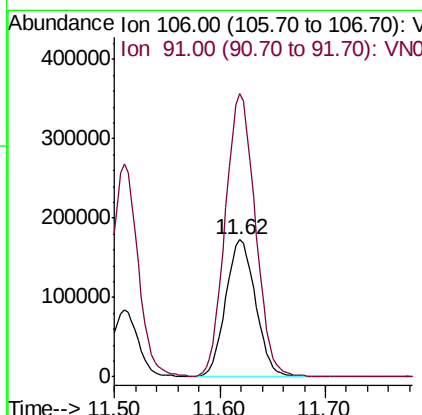
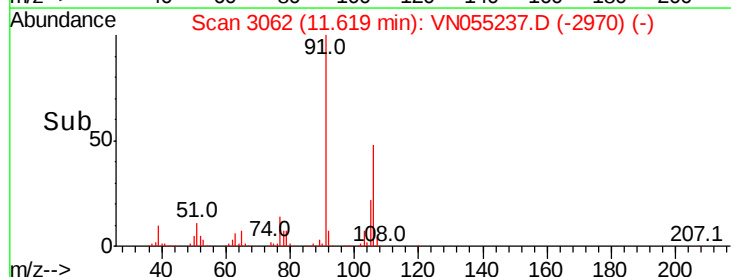
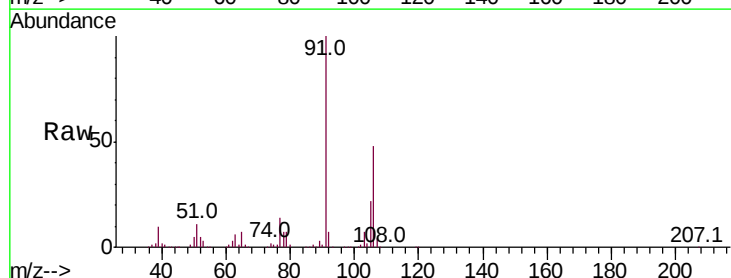
Manual Integrations
APPROVED

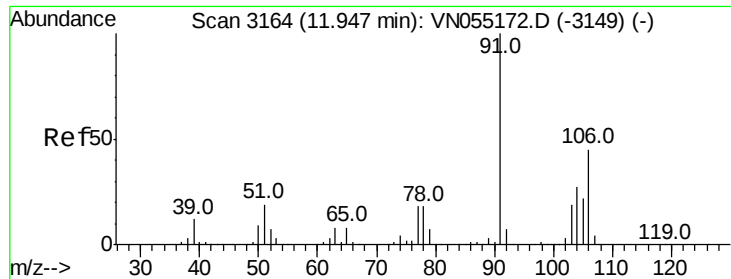
MMdadoda
4/26/2019 10:58:59 AM



#68
m/p-Xylenes
Concen: 42.301 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055237.D
Acq: 25 Apr 2019 10:49

Tgt Ion: 106 Resp: 339535
Ion Ratio Lower Upper
106 100
91 206.8 167.1 250.7





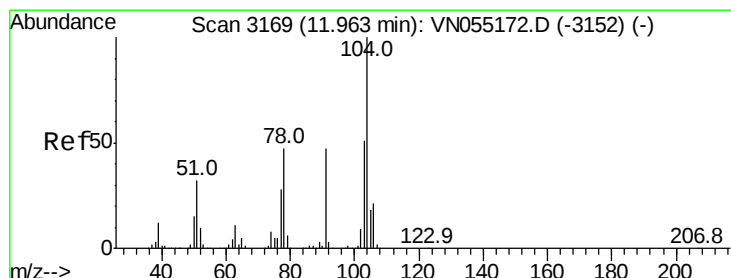
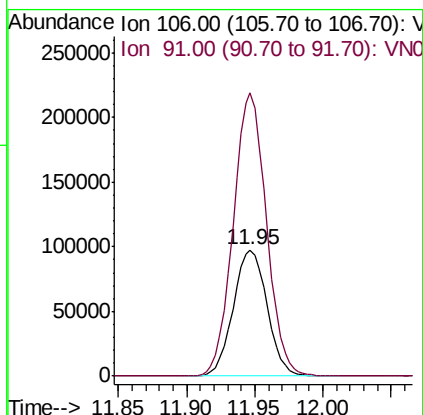
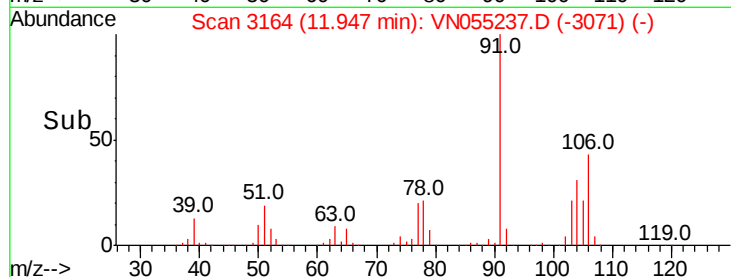
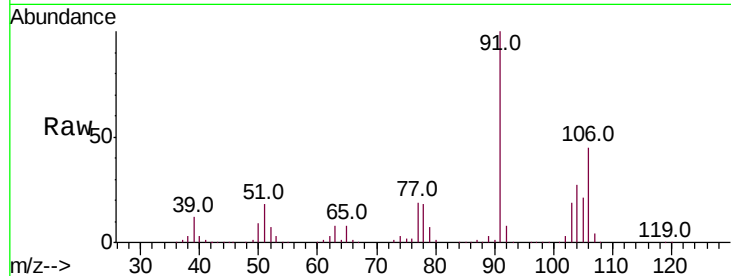
#69
o-Xylene
Concen: 21.111 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055237.D
Acq: 25 Apr 2019 10:49

Instrument :
MSVOA_N
ClientSampled :
VN0425WBS01

Tot Ion:106 Resp: 168162
Ion Ratio Lower Upper
106 100
91 219.9 110.6 331.8

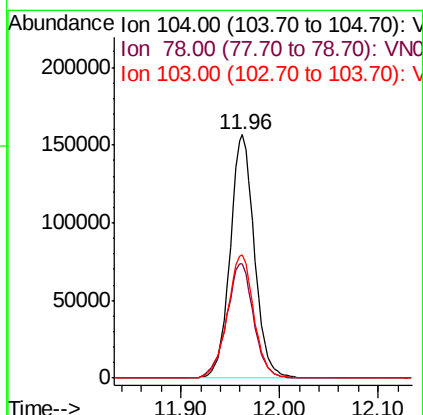
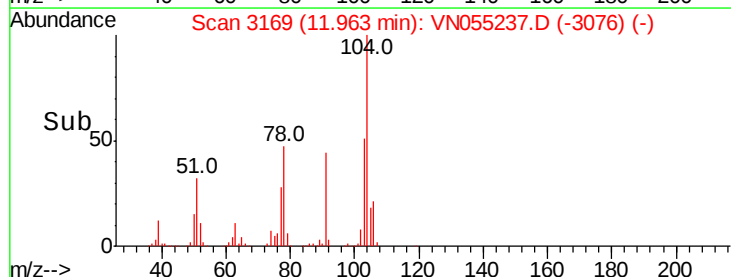
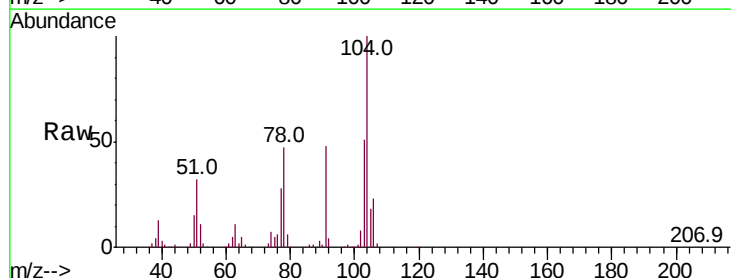
Manual Integrations
APPROVED

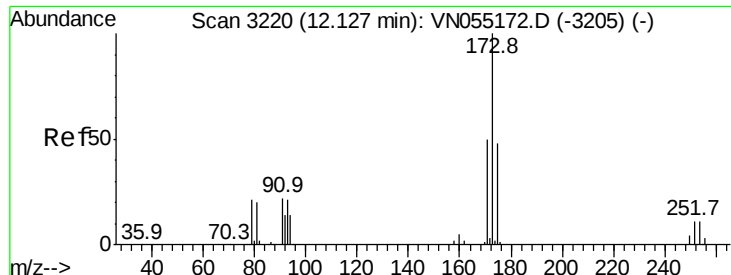
MMdadoda
4/26/2019 10:58:59 AM



#70
Styrene
Concen: 21.704 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055237.D
Acq: 25 Apr 2019 10:49

Tgt Ion:104 Resp: 267988
Ion Ratio Lower Upper
104 100
78 52.5 41.3 61.9
103 55.3 44.2 66.4





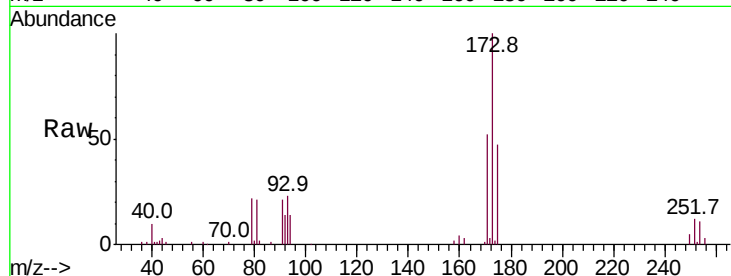
#71
Bromoform
Concen: 21.400 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055237.D
Acq: 25 Apr 2019 10:49

Instrument :
MSVOA_N
ClientSampleId :
VN0425WBS01

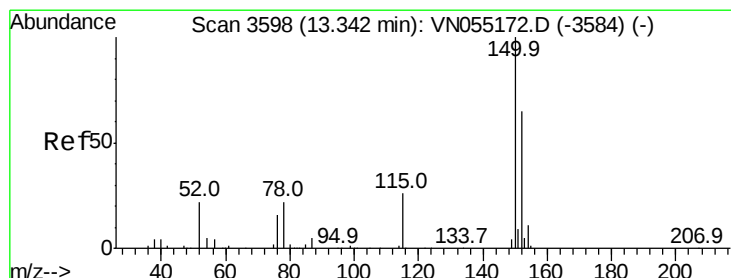
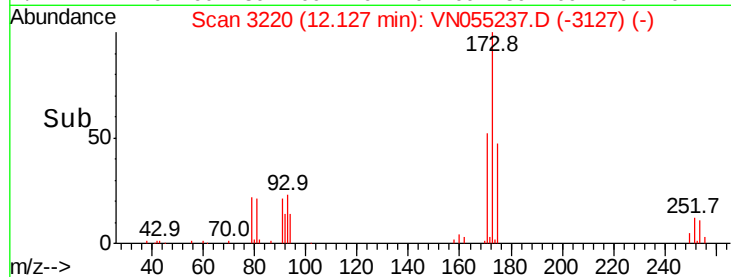
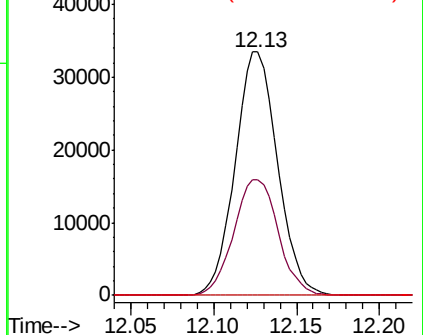
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.7	23.8	71.2
254	0.0	0.1	0.1#

Manual Integrations
APPROVED

MMDadoda
4/26/2019 10:58:59 AM

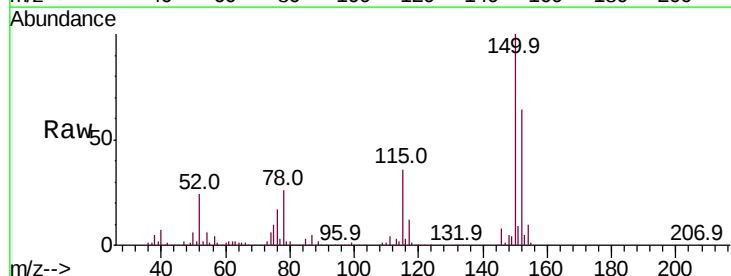


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

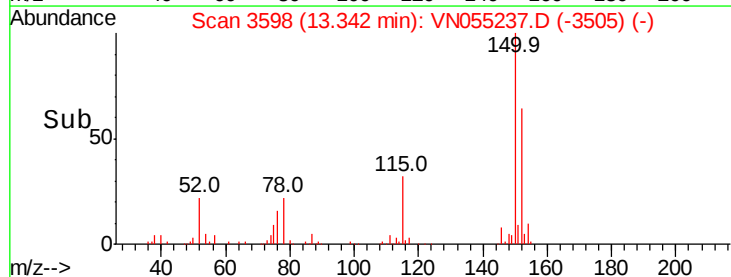
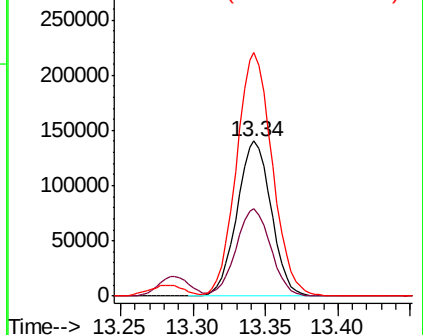


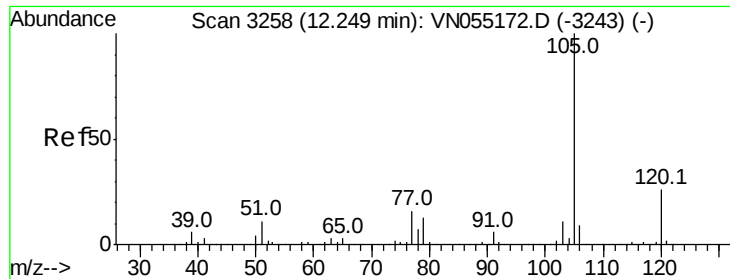
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055237.D
Acq: 25 Apr 2019 10:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.9	28.9	86.7
150	164.1	0.0	346.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.963 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055237.D

Acq: 25 Apr 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

VN0425WBS01

Tot Ion:105 Resp: 446505

Ion Ratio Lower Upper

105 100

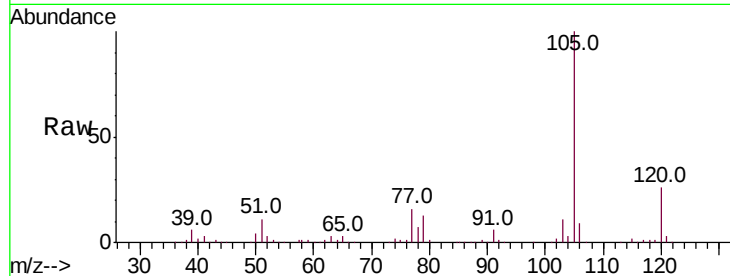
120 26.2 13.1 39.1

Manual Integrations

APPROVED

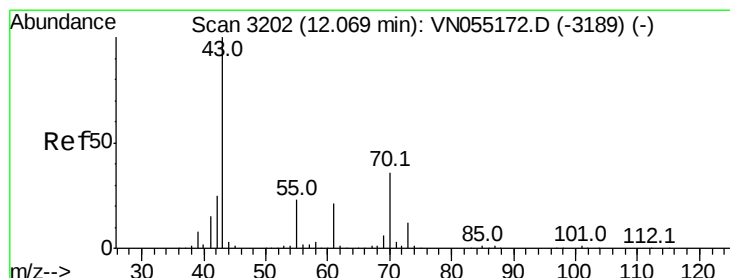
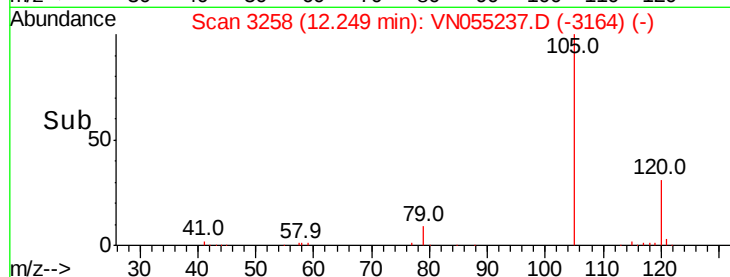
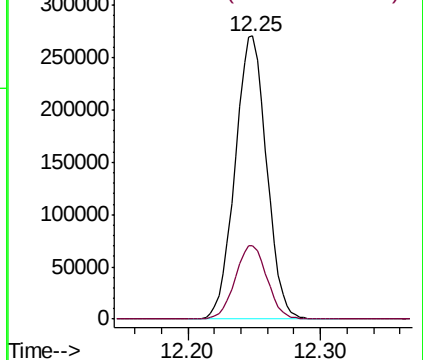
MMdadoda

4/26/2019 10:58:59 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.556 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055237.D

Acq: 25 Apr 2019 10:49

Tgt Ion: 43 Resp: 127704

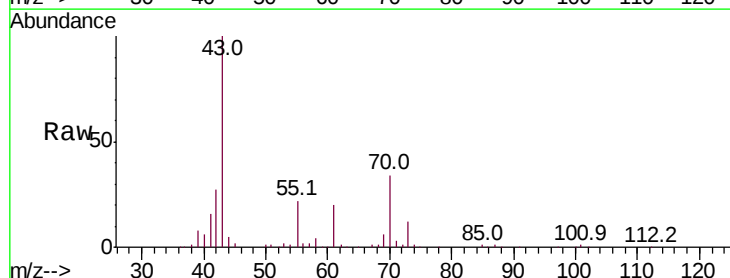
Ion Ratio Lower Upper

43 100

70 35.5 29.0 43.6

55 24.0 18.5 27.7

61 21.2 17.0 25.4

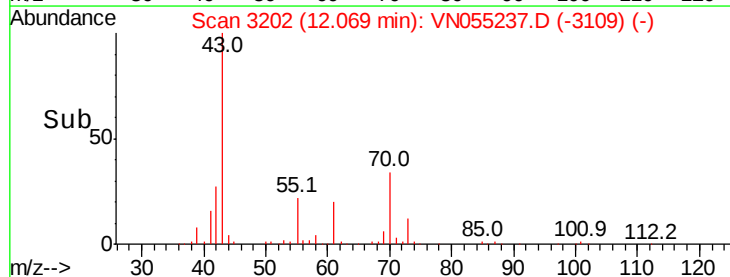
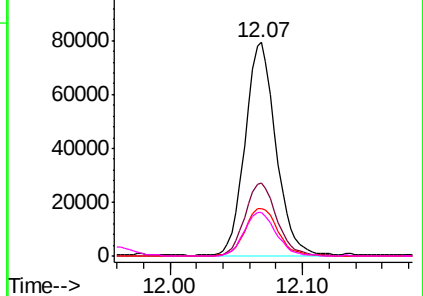


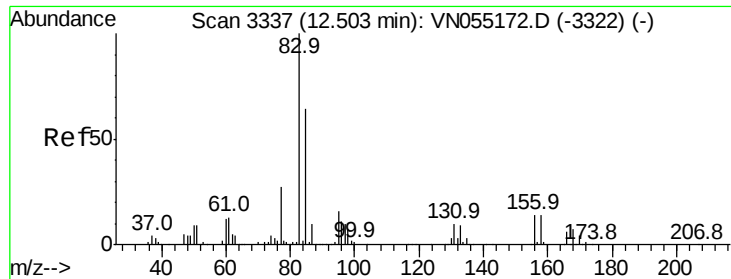
Abundance Ion 43.00 (42.70 to 43.70): V

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: 23.893 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055237.D

Acq: 25 Apr 2019 10:49

Instrument :

MSVOA_N

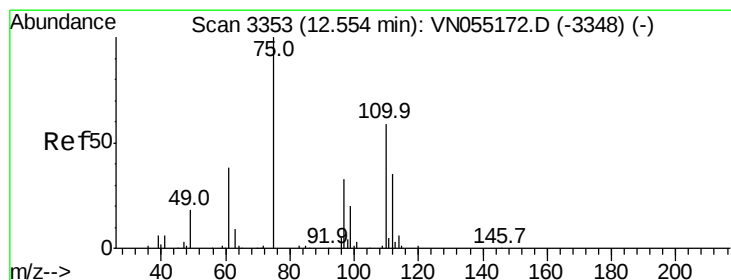
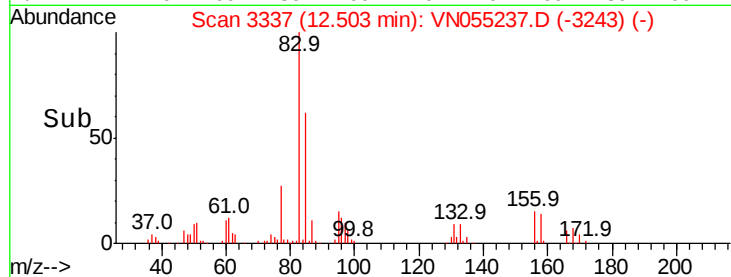
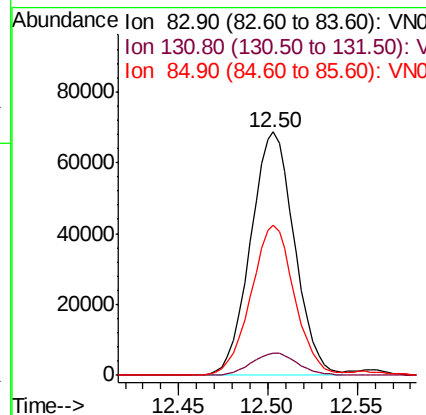
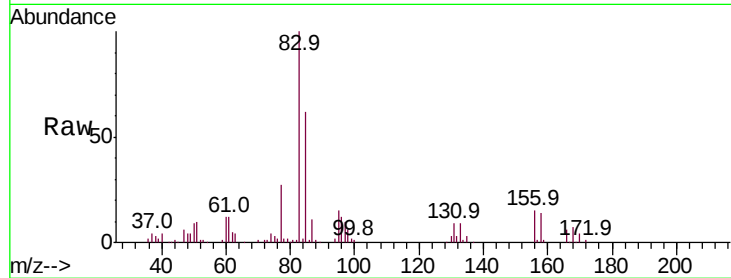
ClientSampleId :

VN0425WBS01

Tot Ion	83	Resp	117613
Ion Ratio	Lower	Upper	
83	100		
131	9.7	5.0	15.0
85	61.3	32.1	96.3

Manual Integrations
APPROVED

MMDadoda
4/26/2019 10:58:59 AM



#76

1,2,3-Trichloropropane

Concen: 20.858 ug/l m

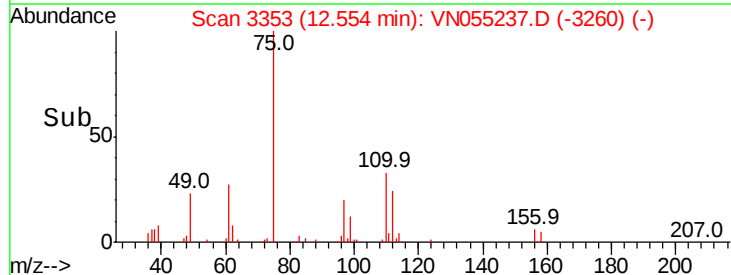
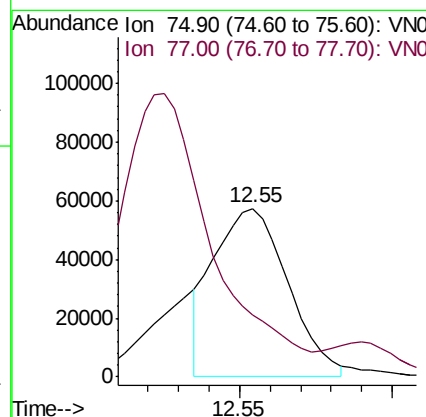
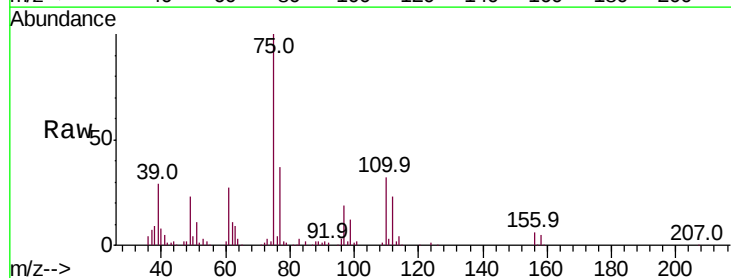
RT: 12.55 min Scan# 3353

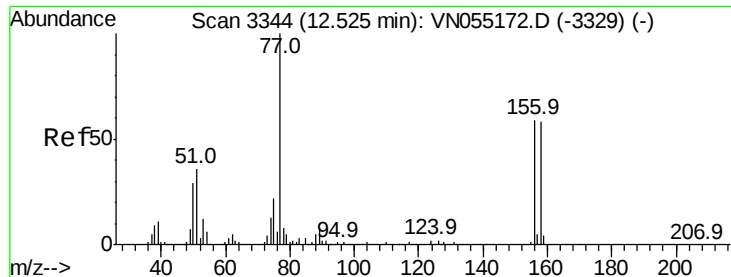
Delta R.T. 0.00 min

Lab File: VN055237.D

Acq: 25 Apr 2019 10:49

Tgt Ion	75	Resp	97234
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.537 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055237.D

Acq: 25 Apr 2019 10:49

Instrument :

MSVOA_N

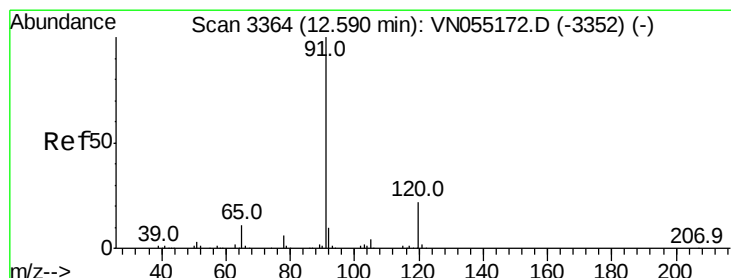
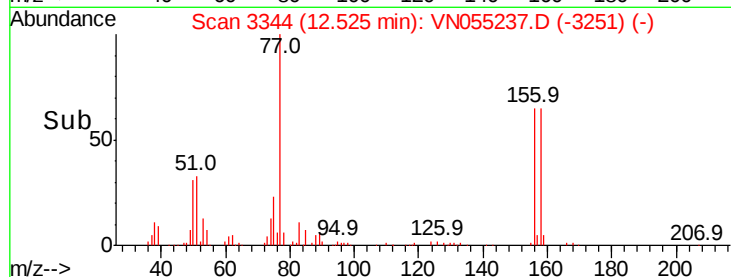
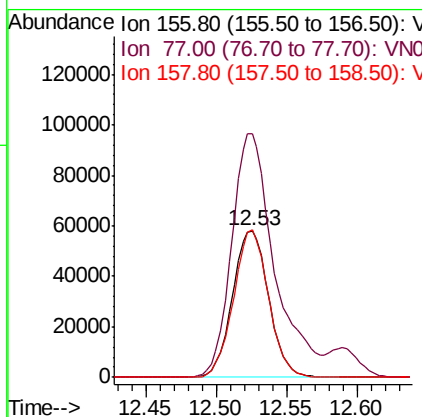
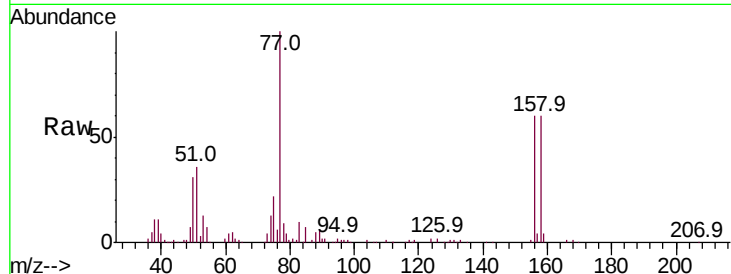
ClientSampleId :

VN0425WBS01

Tot Ion:	156	Resp:	104184
Ion Ratio	Lower	Upper	
156	100		
77	195.8	98.0	293.9
158	97.1	48.9	146.8

Manual Integrations
APPROVED

MMdadoda
4/26/2019 10:58:59 AM



#78

n-propylbenzene

Concen: 20.723 ug/l

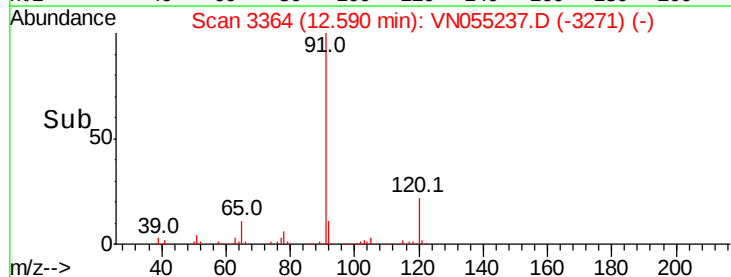
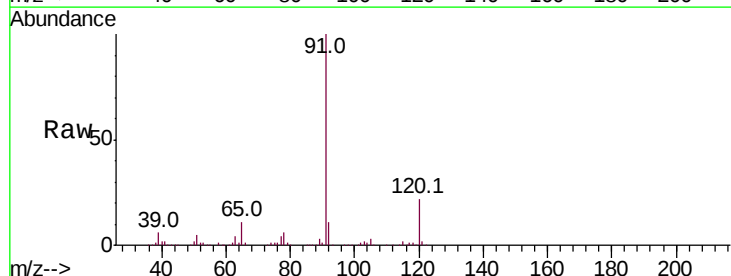
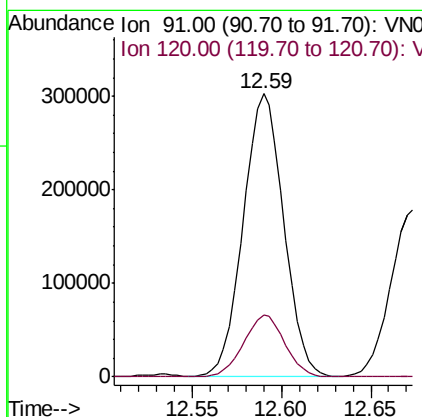
RT: 12.59 min Scan# 3364

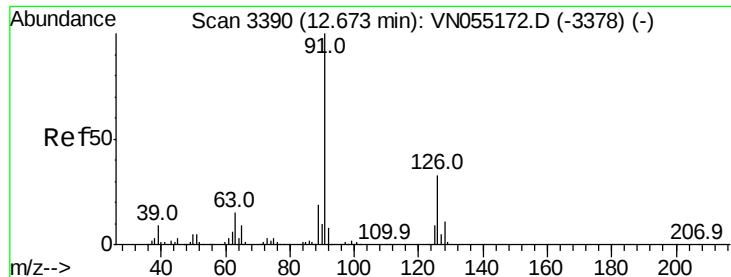
Delta R.T. 0.00 min

Lab File: VN055237.D

Acq: 25 Apr 2019 10:49

Tgt Ion:	91	Resp:	477556
Ion Ratio	Lower	Upper	
91	100		
120	22.4	11.3	33.9





#79

2-Chlorotoluene

Concen: 20.554 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055237.D

Acq: 25 Apr 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

VN0425WBS01

Tot Ion: 91 Resp: 299098

Ion Ratio Lower Upper

91 100

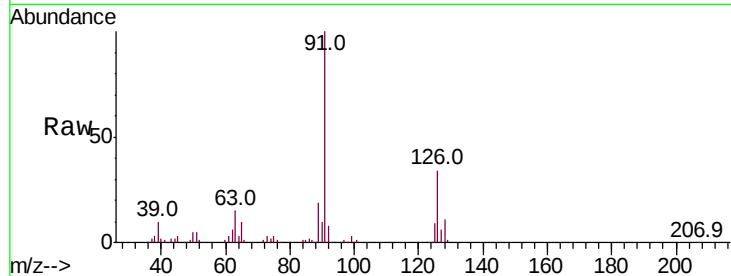
126 33.8 16.8 50.3

Manual Integrations

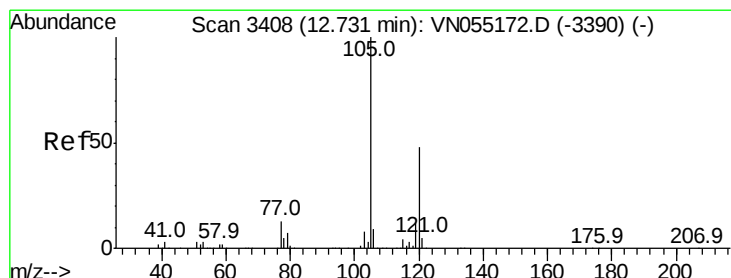
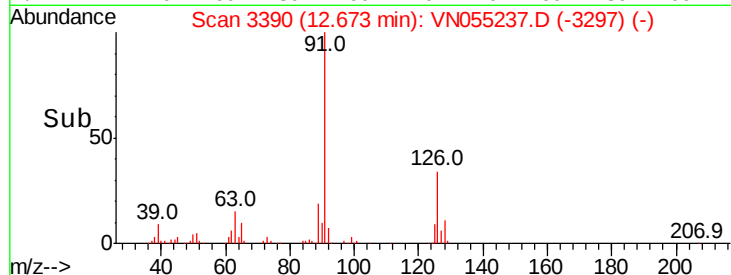
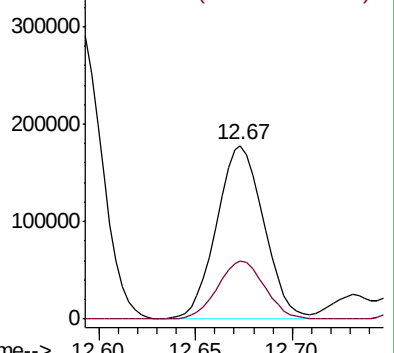
APPROVED

MMdadoda

4/26/2019 10:58:59 AM



Abundance Ion 91.00 (90.70 to 91.70): VN055172.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.053 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055237.D

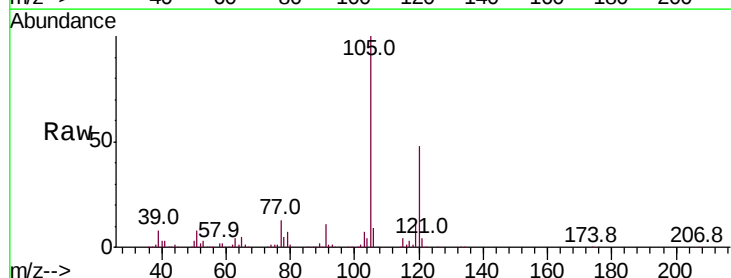
Acq: 25 Apr 2019 10:49

Tgt Ion: 105 Resp: 362145

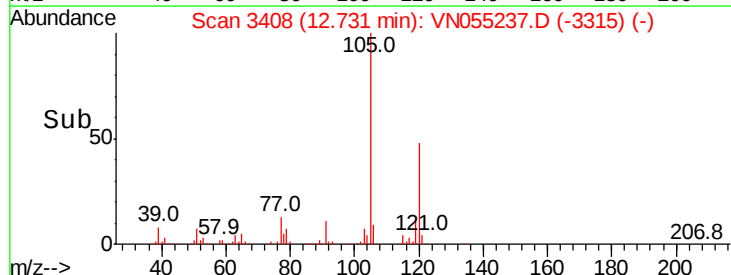
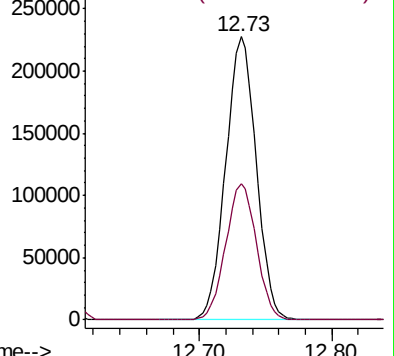
Ion Ratio Lower Upper

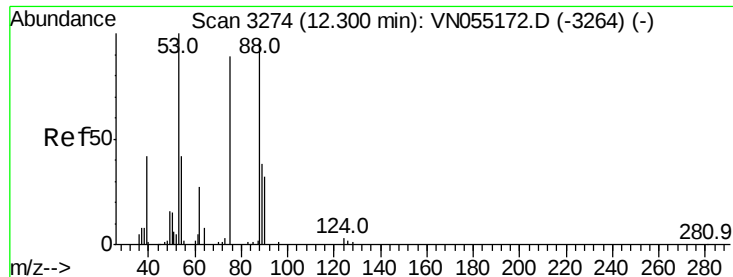
105 100

120 48.7 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN055172.D (-3390) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 21.351 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055237.D

Acq: 25 Apr 2019 10:49

Instrument :

MSVOA_N

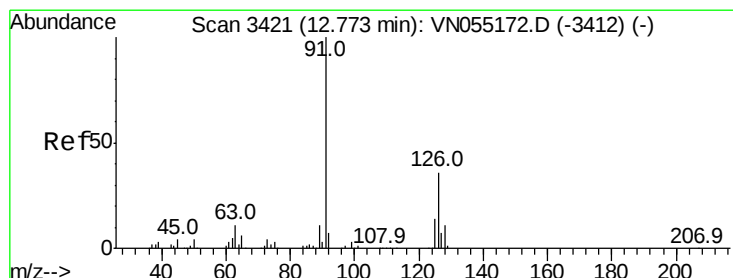
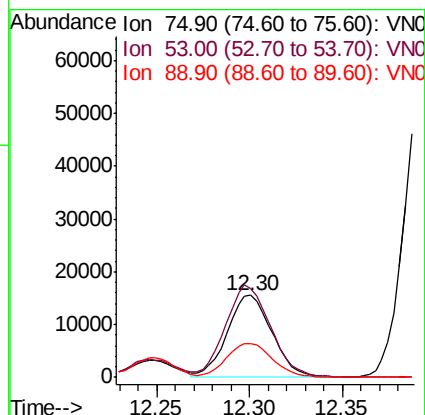
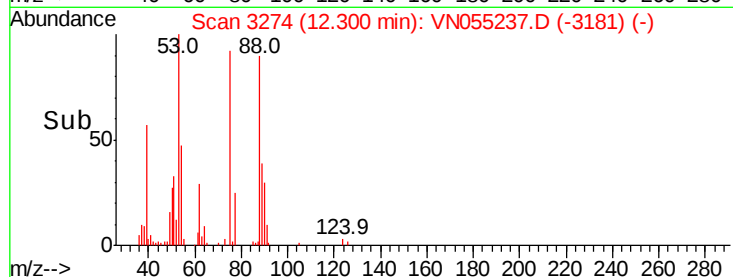
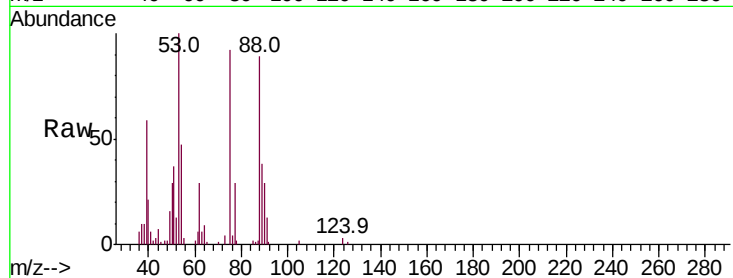
ClientSampleId :

VN0425WBS01

Tot Ion:	75	Resp:	26256
Ion	Ratio	Lower	Upper
75	100		
53	112.3	90.1	135.1
89	42.5	36.7	55.1

Manual Integrations
APPROVED

MMDadoda
4/26/2019 10:58:59 AM



#82

4-Chlorotoluene

Concen: 20.937 ug/l

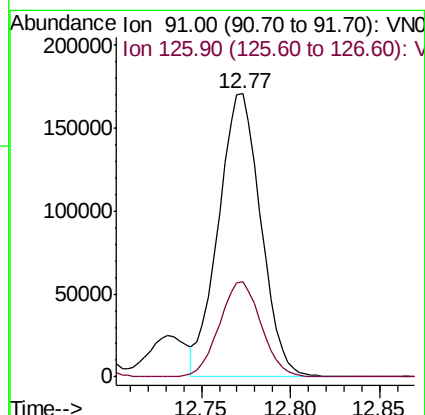
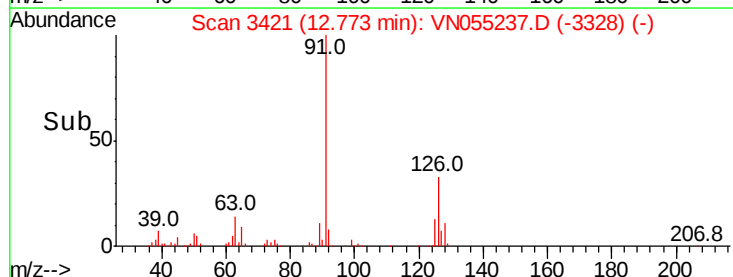
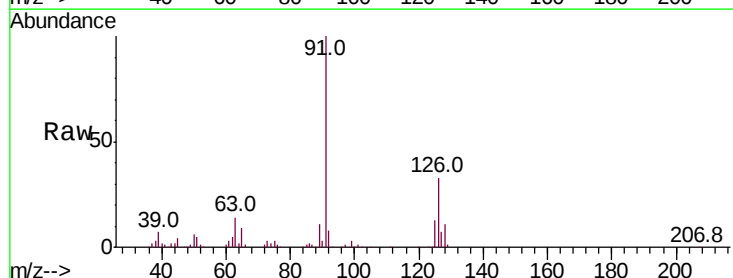
RT: 12.77 min Scan# 3421

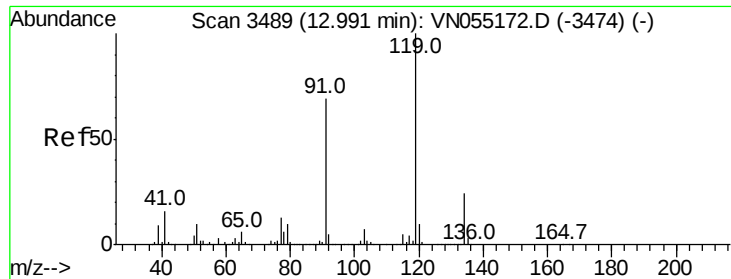
Delta R.T. 0.00 min

Lab File: VN055237.D

Acq: 25 Apr 2019 10:49

Tgt Ion:	91	Resp:	280306
Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.5	49.5





#83

tert-Butylbenzene

Concen: 22.585 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055237.D

Acq: 25 Apr 2019 10:49

Instrument :

MSVOA_N

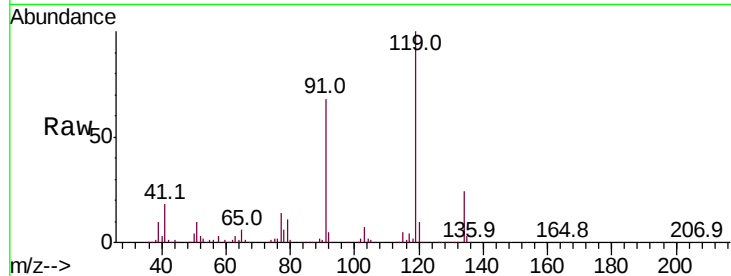
ClientSampleId :

VN0425WBS01

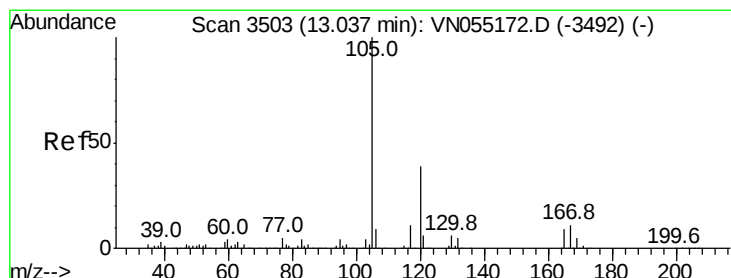
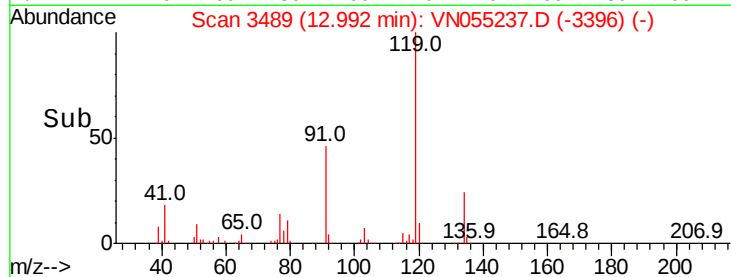
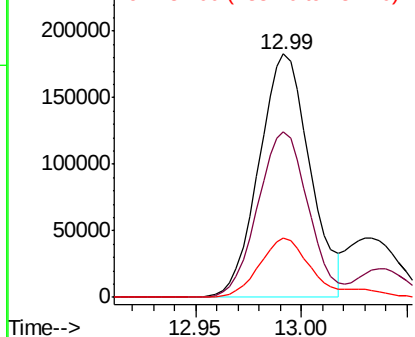
Tot Ion:	119	Resp:	307514
Ion Ratio	Lower	Upper	
119	100		
91	67.5	33.8	101.3
134	24.0	13.2	39.5

Manual Integrations
APPROVED

MMDadoda
4/26/2019 10:58:59 AM



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.523 ug/l

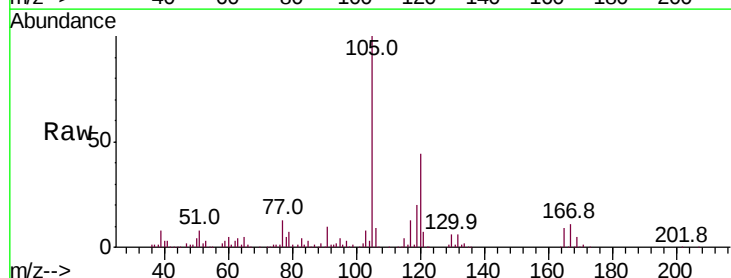
RT: 13.04 min Scan# 3503

Delta R.T. 0.00 min

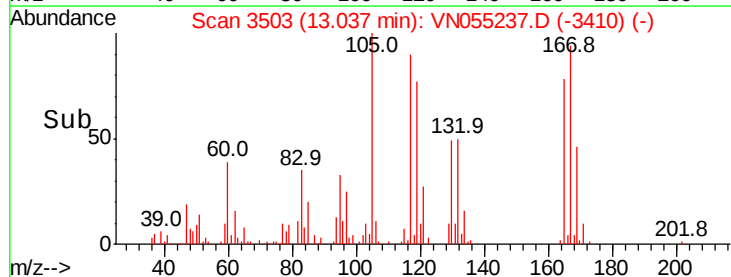
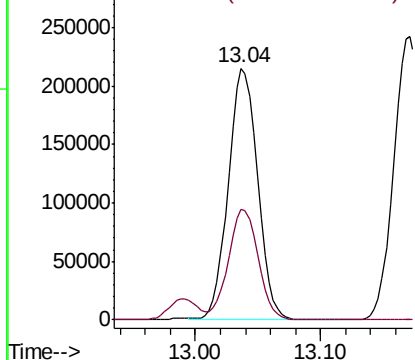
Lab File: VN055237.D

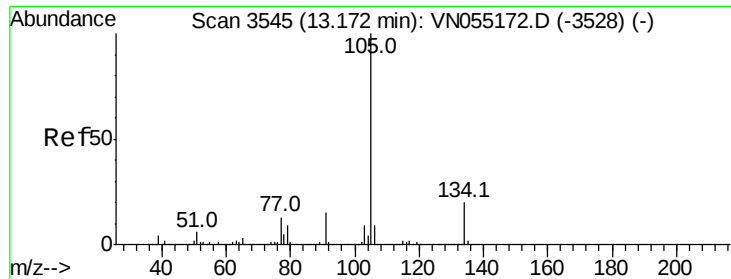
Acq: 25 Apr 2019 10:49

Tgt Ion:	105	Resp:	349386
Ion Ratio	Lower	Upper	
105	100		
120	44.9	22.7	68.1



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





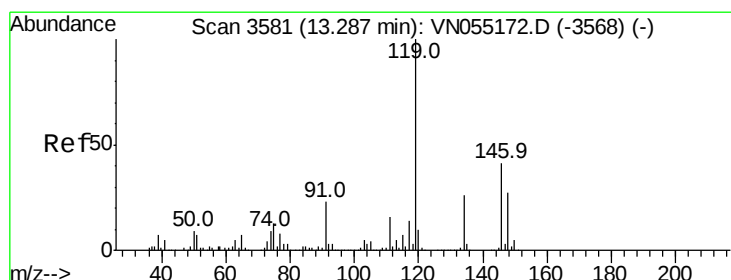
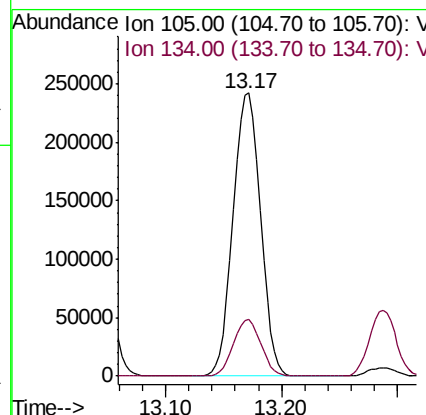
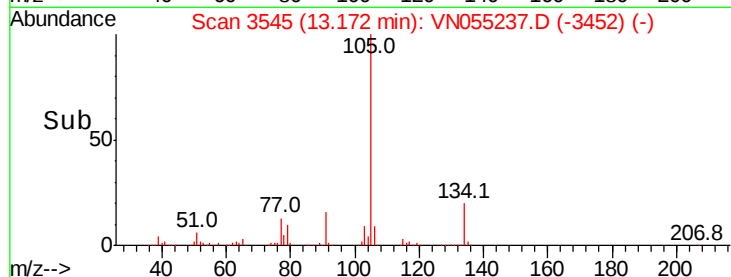
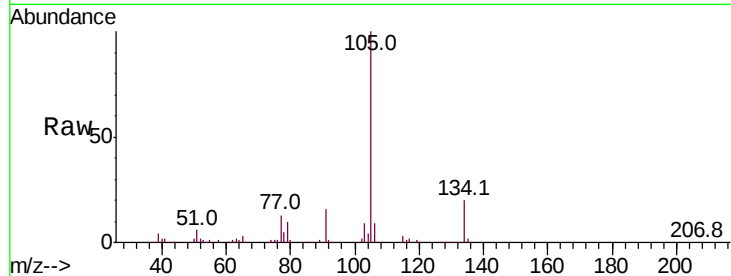
#85
 sec-Butylbenzene
 Concen: 20.298 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055237.D
 Acq: 25 Apr 2019 10:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0425WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.0	10.0	30.0

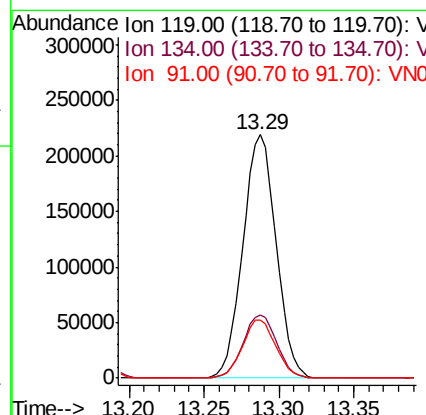
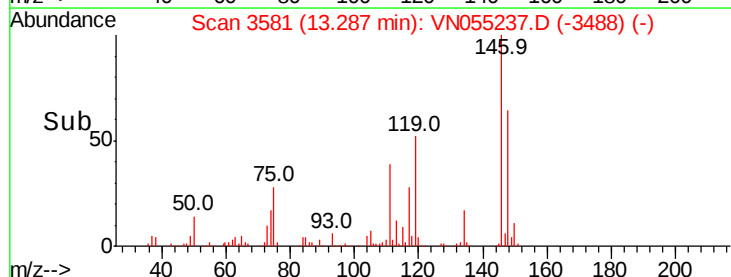
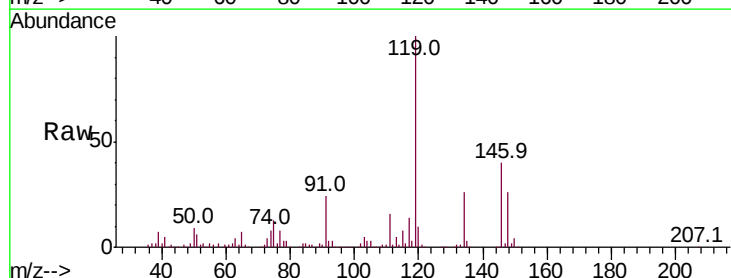
Manual Integrations
 APPROVED

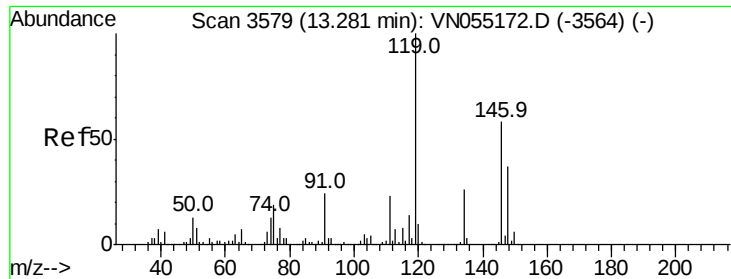
MMDadoda
 4/26/2019 10:58:59 AM



#86
 p-Isopropyltoluene
 Concen: 21.160 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055237.D
 Acq: 25 Apr 2019 10:49

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.1	39.3
91	24.1	11.8	35.3





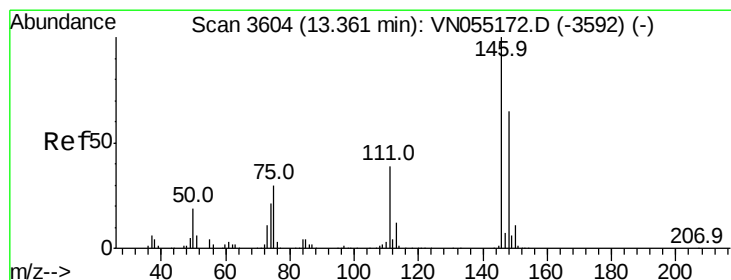
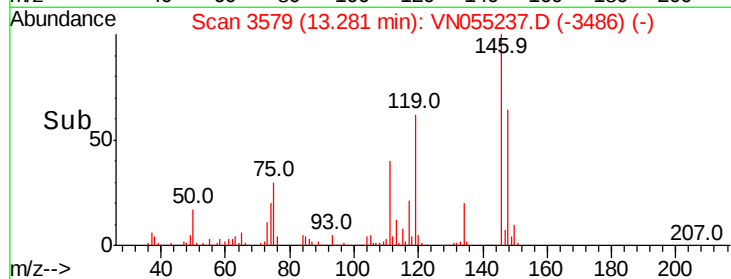
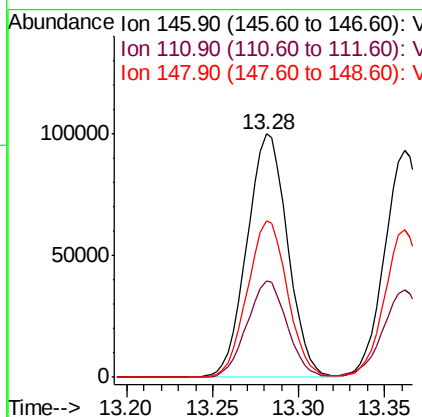
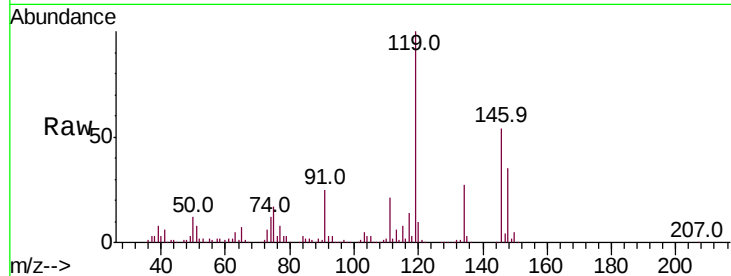
#87
 1,3-Dichlorobenzene
 Concen: 21.081 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055237.D
 Acq: 25 Apr 2019 10:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0425WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	164165		
111	39.1	19.7	59.1	
148	63.7	32.0	96.0	

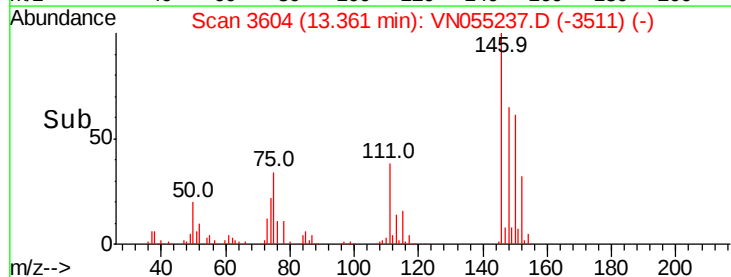
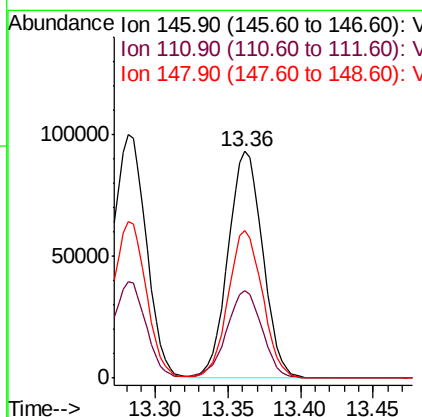
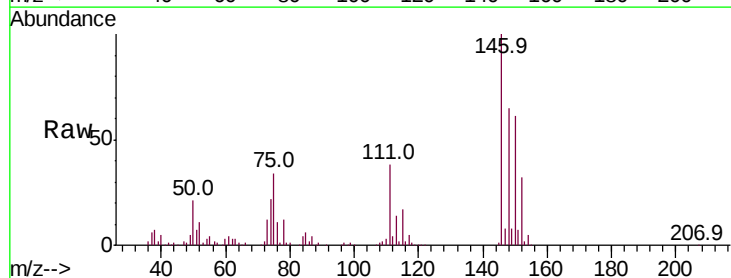
Manual Integrations
 APPROVED

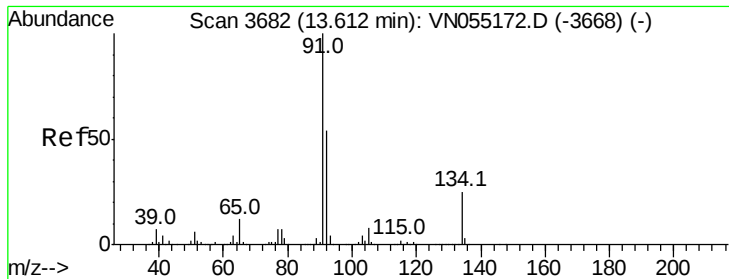
MMDadoda
 4/26/2019 10:58:59 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.389 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055237.D
 Acq: 25 Apr 2019 10:49

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	154581		
111	39.7	19.4	58.2	
148	64.7	32.9	98.6	





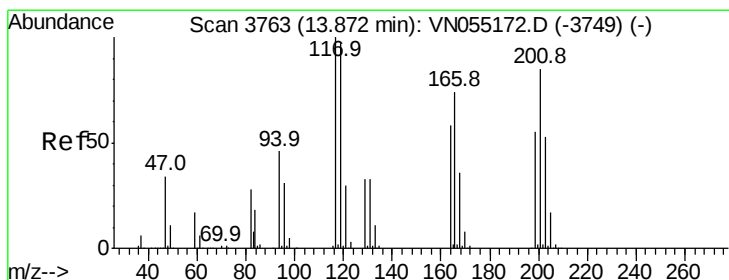
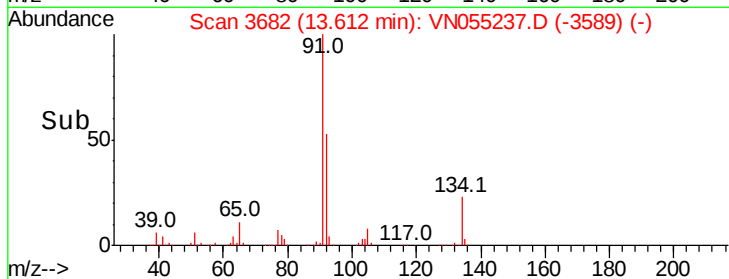
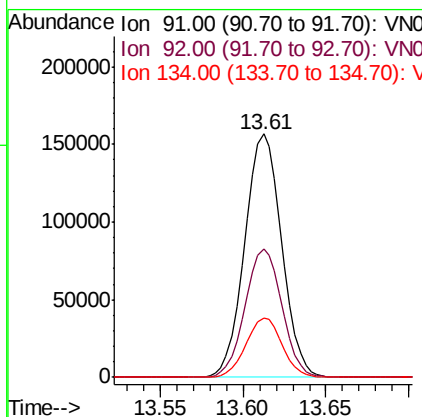
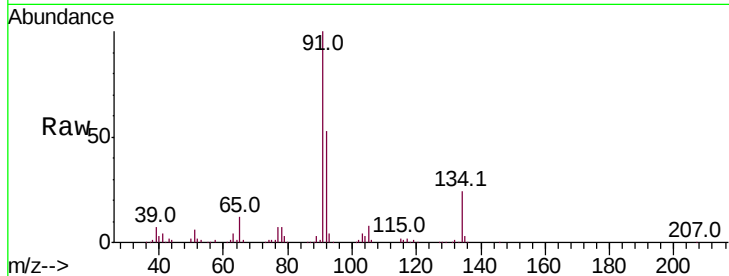
#89
n-Butylbenzene
Concen: 20.461 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055237.D
Acq: 25 Apr 2019 10:49

Instrument :
MSVOA_N
ClientSampleId :
VN0425WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.4	79.2
134	24.0	12.8	38.4

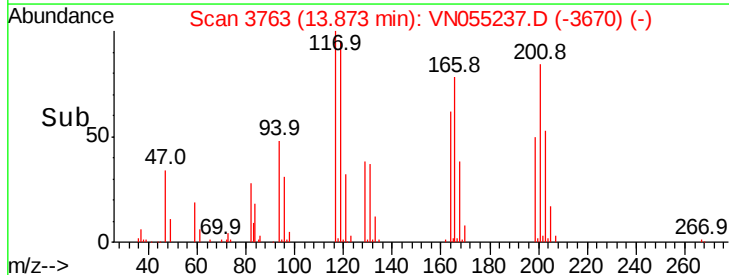
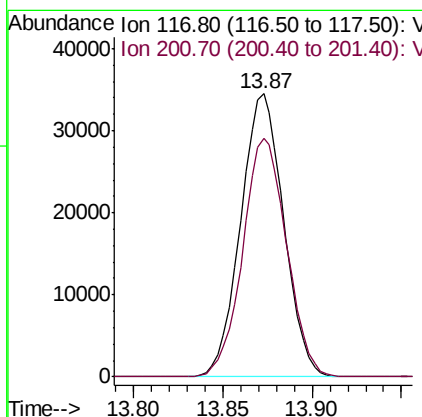
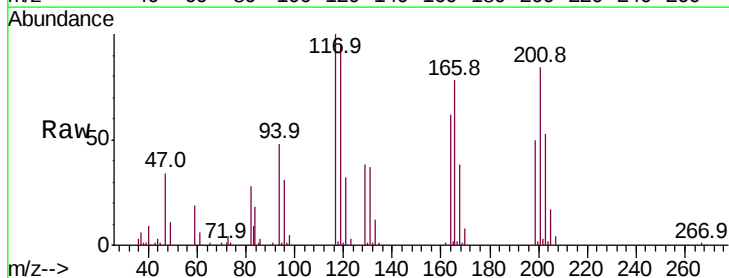
Manual Integrations
APPROVED

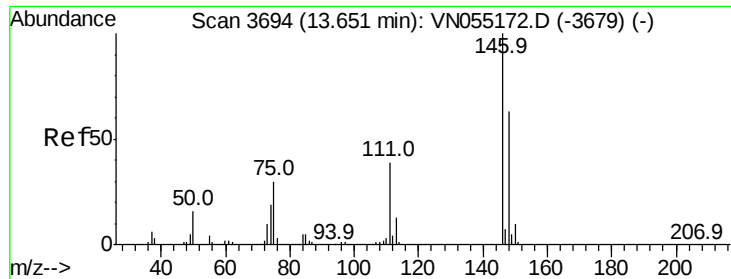
MMDadoda
4/26/2019 10:58:59 AM



#90
Hexachloroethane
Concen: 20.456 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055237.D
Acq: 25 Apr 2019 10:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.7	43.1	129.4





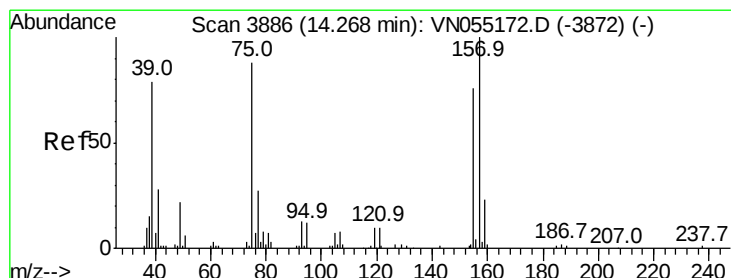
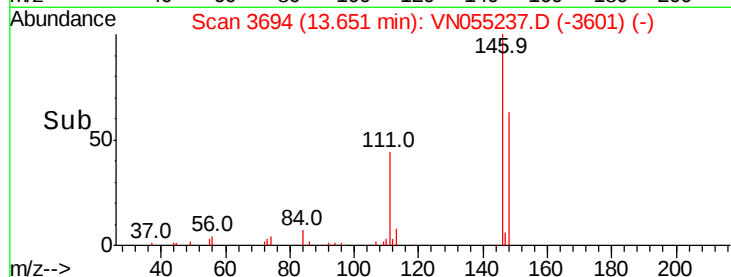
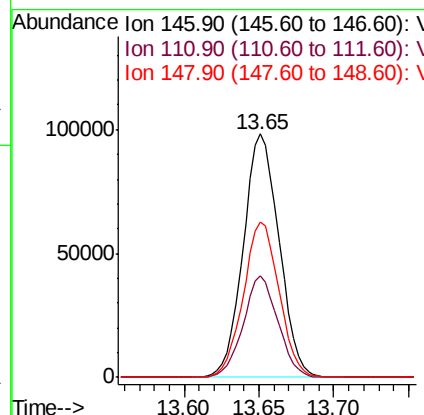
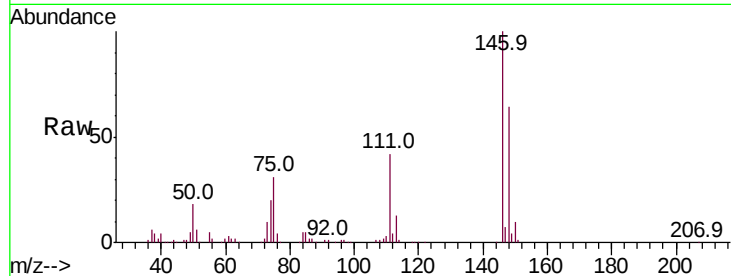
#91
 1,2-Dichlorobenzene
 Concen: 20.438 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055237.D
 Acq: 25 Apr 2019 10:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0425WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	19.8	59.3
148	63.8	31.7	95.1

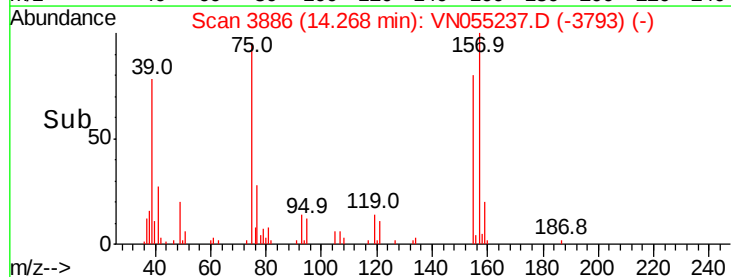
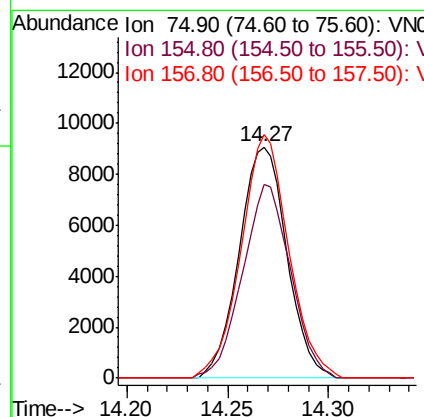
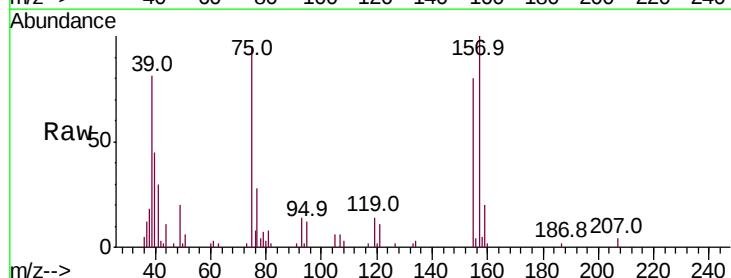
Manual Integrations
 APPROVED

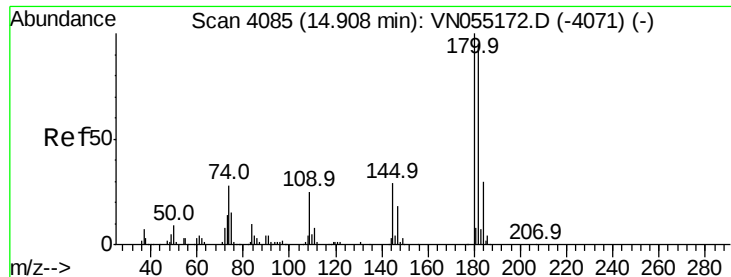
MMDadoda
 4/26/2019 10:58:59 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.500 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055237.D
 Acq: 25 Apr 2019 10:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.4	43.0	129.0
157	105.3	55.7	167.1





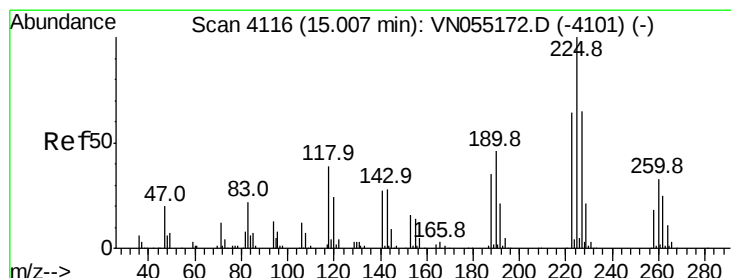
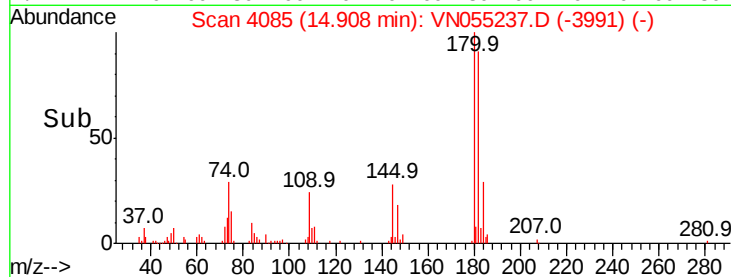
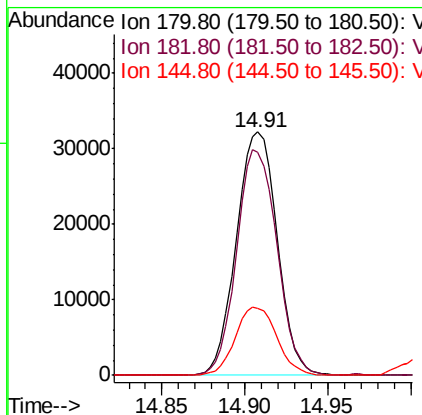
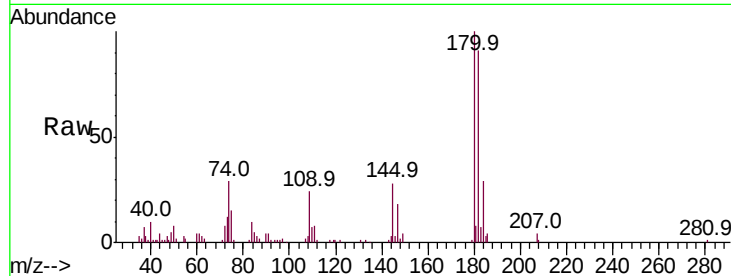
#93
 1,2,4-Trichlorobenzene
 Concen: 18.222 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055237.D
 Acq: 25 Apr 2019 10:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0425WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	91.5	47.8	143.4	
145	28.3	14.5	43.5	

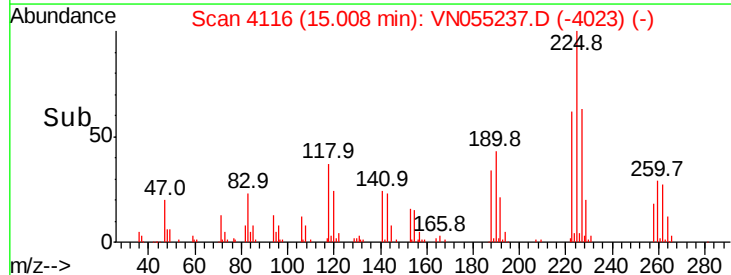
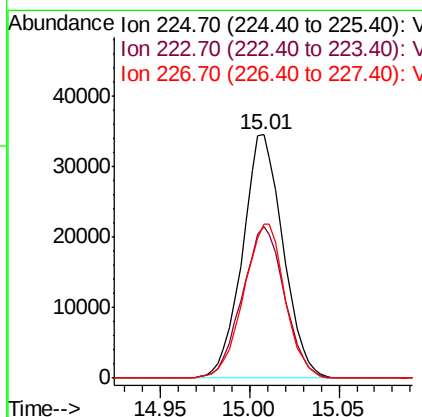
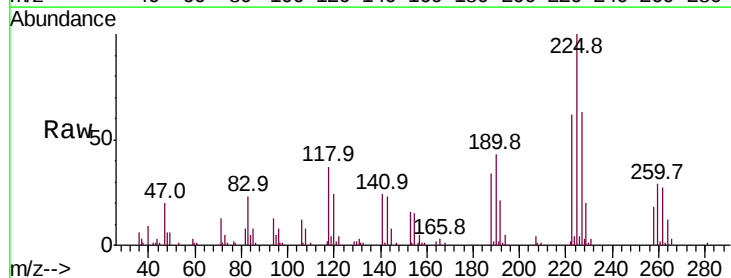
Manual Integrations
 APPROVED

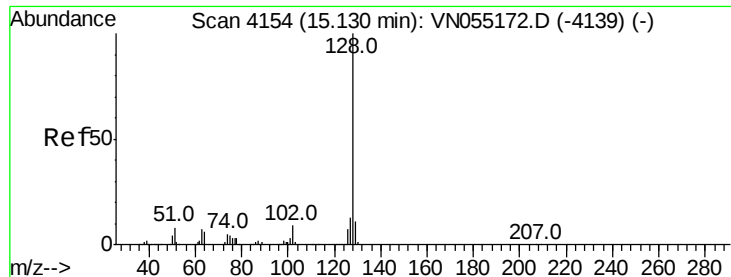
MMDadoda
 4/26/2019 10:58:59 AM



#94
 Hexachlorobutadiene
 Concen: 22.285 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055237.D
 Acq: 25 Apr 2019 10:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.5	32.2	96.6	
227	64.2	32.6	98.0	





#95

Naphthalene

Concen: 17.266 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055237.D

Acq: 25 Apr 2019 10:49

Instrument :

MSVOA_N

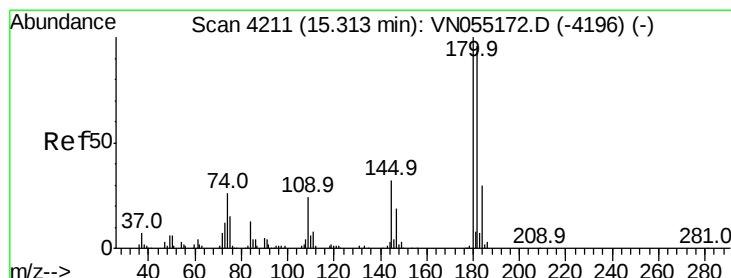
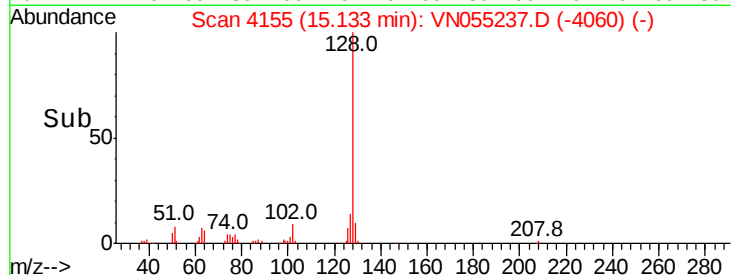
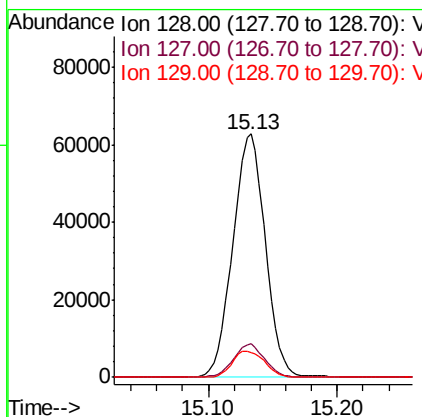
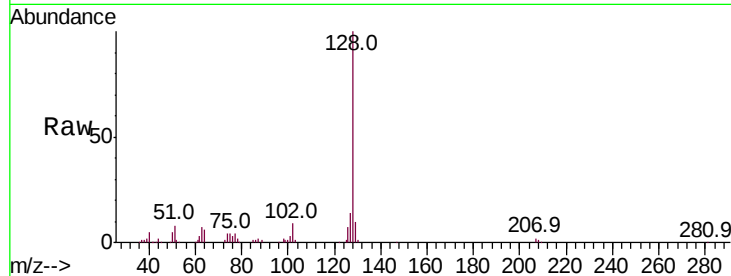
ClientSampleId :

VN0425WBS01

Tot Ion:	128	Resp:	109957
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.3	15.5
129	10.7	8.8	13.2

Manual Integrations
APPROVED

MMdadoda
4/26/2019 10:58:59 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.187 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055237.D

Acq: 25 Apr 2019 10:49

Tgt Ion:	180	Resp:	56302
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.2	141.6
145	31.1	15.4	46.1

