

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052319\
 Data File : VN055750.D
 Acq On : 23 May 2019 13:12
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 5/24/2019 9:22:20 AM

Quant Time: May 24 06:41:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 05:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	386460	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	530999	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	445531	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	166814	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	18549	4.42	ug/l	0.00
Spiked Amount			Recovery	=	8.84%	
35) Dibromofluoromethane	7.59	113	15774	4.68	ug/l	0.00
Spiked Amount			Recovery	=	9.36%	
50) Toluene-d8	10.09	98	61941	4.85	ug/l	0.00
Spiked Amount			Recovery	=	9.70%	
62) 4-Bromofluorobenzene	12.40	95	19691	4.46	ug/l	0.00
Spiked Amount			Recovery	=	8.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	13596	4.658	ug/l	97
3) Chloromethane	2.06	50	17673	4.490	ug/l	98
4) Vinyl Chloride	2.18	62	18555	4.370	ug/l	99
5) Bromomethane	2.53	94	13977	5.141	ug/l	93
6) Chloroethane	2.68	64	11754	4.929	ug/l	96
7) Trichlorofluoromethane	3.00	101	24684	4.535	ug/l	96
8) Diethyl Ether	3.40	74	10362	4.678	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.74	101	15995	4.808	ug/l	99
10) Methyl Iodide	3.94	142	18855	3.905	ug/l	98
11) Tert butyl alcohol	4.81	59	15091	19.126	ug/l #	86
12) 1,1-Dichloroethene	3.72	96	15832	4.522	ug/l	98
13) Acrolein	3.60	56	14970	32.985	ug/l	99
14) Allyl chloride	4.31	41	27114	4.790	ug/l	97
15) Acrylonitrile	4.99	53	40476	23.093	ug/l	99
16) Acetone	3.82	43	40455	23.347	ug/l	97
17) Carbon Disulfide	4.04	76	45767	4.705	ug/l	98
18) Methyl Acetate	4.32	43	20856	5.630	ug/l	95
19) Methyl tert-butyl Ether	5.05	73	52020	4.502	ug/l	96
20) Methylene Chloride	4.54	84	17922	4.572	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	17300	4.645	ug/l	97
22) Diisopropyl ether	5.95	45	51338	4.562	ug/l	97
23) Vinyl Acetate	5.89	43	214432	22.461	ug/l	98
24) 1,1-Dichloroethane	5.84	63	30357	4.631	ug/l	98
25) 2-Butanone	6.84	43	56443	23.374	ug/l	100
26) 2,2-Dichloropropane	6.82	77	26352	4.539	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	19217	4.415	ug/l	97
28) Bromochloromethane	7.19	49	13566	4.687	ug/l	98
29) Tetrahydrofuran	7.22	42	36457	22.836	ug/l	99
30) Chloroform	7.37	83	30381	4.500	ug/l	97
31) Cyclohexane	7.65	56	33511	5.358	ug/l #	80
32) 1,1,1-Trichloroethane	7.57	97	26822	4.437	ug/l	98
36) 1,1-Dichloropropene	7.79	75	23788	5.051	ug/l	98
37) Ethyl Acetate	6.93	43	22017	5.159	ug/l	99
38) Carbon Tetrachloride	7.77	117	24049	4.769	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052319\
 Data File : VN055750.D
 Acq On : 23 May 2019 13:12
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 5/24/2019 9:22:20 AM

Quant Time: May 24 06:41:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 05:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	28983	5.074	ug/l	98
40) Benzene	8.04	78	68538	4.918	ug/l	97
41) Methacrylonitrile	7.18	41	11327	6.114	ug/l #	89
42) 1,2-Dichloroethane	8.12	62	22916	5.087	ug/l	99
43) Isopropyl Acetate	8.17	43	36438	4.900	ug/l #	90
44) Trichloroethene	8.83	130	19608	4.991	ug/l	98
45) 1,2-Dichloropropane	9.12	63	18411	5.020	ug/l	95
46) Dibromomethane	9.21	93	12017	4.999	ug/l	99
47) Bromodichloromethane	9.40	83	23715	4.726	ug/l	97
48) Methyl methacrylate	9.20	41	16144	4.846	ug/l	94
49) 1,4-Dioxane	9.20	88	7188	108.873	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	106717	24.289	ug/l	100
52) Toluene	10.15	92	42341	4.832	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	24326	4.513	ug/l	95
54) cis-1,3-Dichloropropene	9.84	75	27618	4.675	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	17325	4.808	ug/l	98
56) Ethyl methacrylate	10.43	69	25209	4.479	ug/l	93
57) 1,3-Dichloropropane	10.71	76	27609	4.846	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	47875	20.487	ug/l	99
59) 2-Hexanone	10.75	43	74814	24.229	ug/l	99
60) Dibromochloromethane	10.90	129	19386	4.746	ug/l	98
61) 1,2-Dibromoethane	11.00	107	17535	4.859	ug/l	98
64) Tetrachloroethene	10.63	164	19684	5.559	ug/l	98
65) Chlorobenzene	11.43	112	45674	5.077	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	17969	4.971	ug/l	99
67) Ethyl Benzene	11.51	91	81427	5.068	ug/l	98
68) m/p-Xylenes	11.62	106	60847	10.028	ug/l	99
69) o-Xylene	11.95	106	29605	4.973	ug/l	99
70) Styrene	11.96	104	45980	4.658	ug/l	99
71) Bromoform	12.13	173	14642	4.768	ug/l #	99
73) Isopropylbenzene	12.25	105	81416	5.973	ug/l	100
74) N-amyl acetate	12.07	43	28192	6.009	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	23818	5.675	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	17253m	5.018	ug/l	
77) Bromobenzene	12.53	156	20187	5.853	ug/l	98
78) n-propylbenzene	12.59	91	82013	5.551	ug/l	100
79) 2-Chlorotoluene	12.67	91	52434	5.826	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	67277	5.877	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	6940	5.305	ug/l	96
82) 4-Chlorotoluene	12.77	91	46940	5.389	ug/l	99
83) tert-Butylbenzene	12.99	119	61105	6.083	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	65576	5.816	ug/l	100
85) sec-Butylbenzene	13.17	105	73687	5.777	ug/l	100
86) p-Isopropyltoluene	13.29	119	64500	5.502	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	28970	5.113	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	27001	5.010	ug/l	94
89) n-Butylbenzene	13.62	91	46764	5.135	ug/l	99
90) Hexachloroethane	13.87	117	12177	5.441	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	29867	5.289	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	3829	5.128	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052319\
Data File : VN055750.D
Acq On : 23 May 2019 13:12
Operator : JC/SP
Sample : VSTDICC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

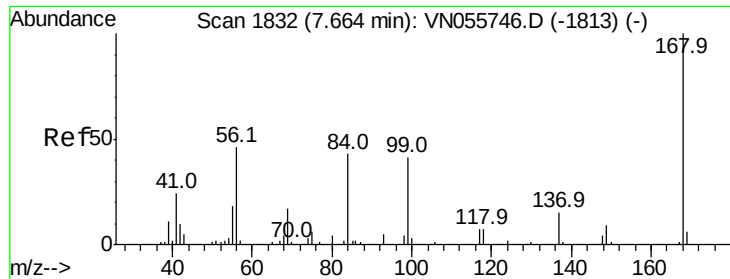
Manual Integrations
APPROVED

MMDadoda
5/24/2019 9:22:20 AM

Quant Time: May 24 06:41:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
Quant Title : SW846 8260
QLast Update : Fri May 24 05:41:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	12436	4.390	ug/l	99
94) Hexachlorobutadiene	15.01	225	13437	6.687	ug/l	97
95) Naphthalene	15.13	128	33281	4.342	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	14250	4.769	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 386460

Ion Ratio Lower Upper

168 100

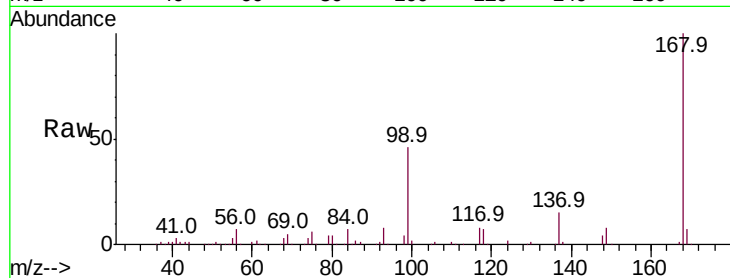
99 45.8 37.2 55.8

Manual Integrations

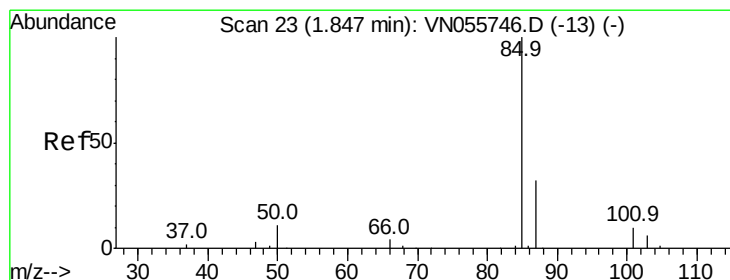
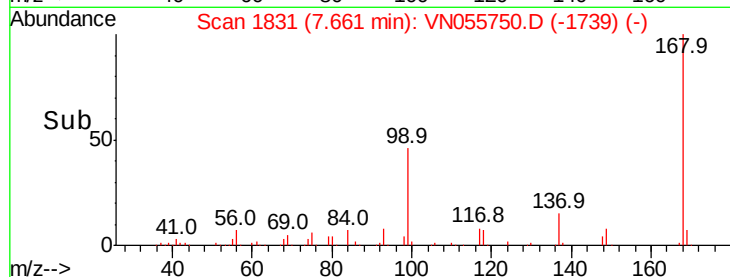
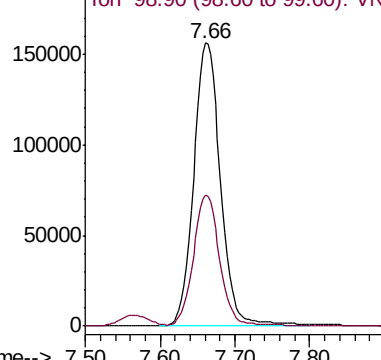
APPROVED

MMDadoda

5/24/2019 9:22:20 AM



Abundance Ion 167.90 (167.60 to 168.60): VN055746.D (-1813) (-)



#2

Dichlorodifluoromethane

Concen: 4.658 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055750.D

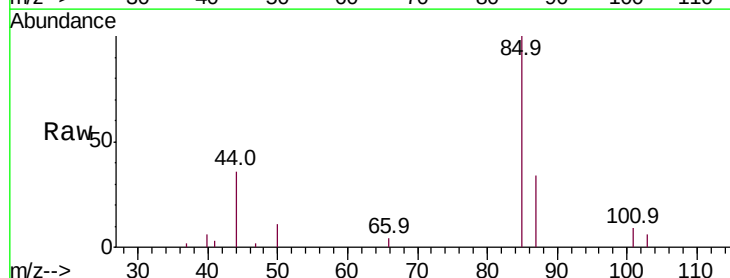
Acq: 23 May 2019 13:12

Tgt Ion: 85 Resp: 13596

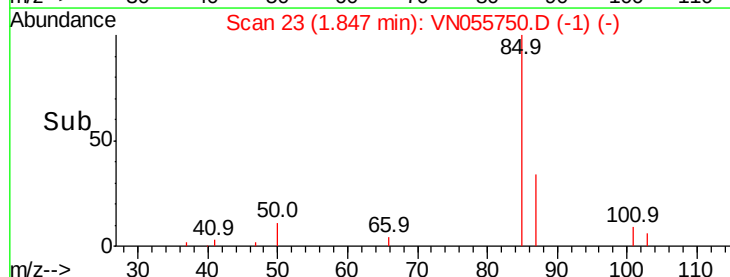
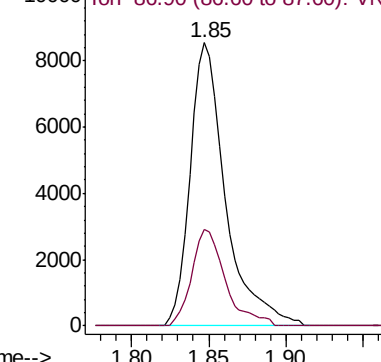
Ion Ratio Lower Upper

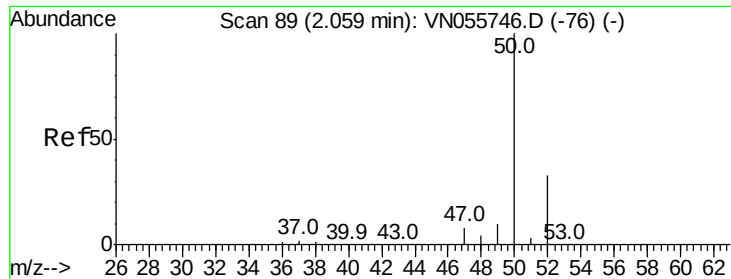
85 100

87 33.9 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN055746.D (-13) (-)





#3

Chloromethane

Concen: 4.490 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 17673

Ion Ratio Lower Upper

50 100

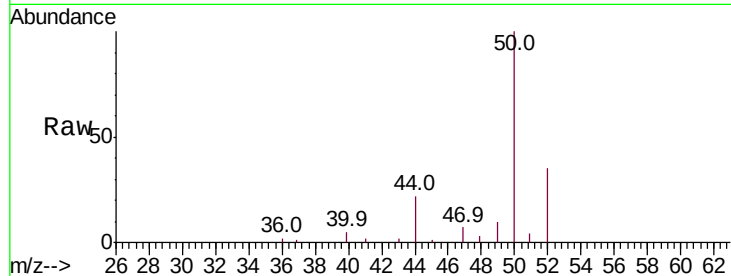
52 34.6 26.6 40.0

Manual Integrations

APPROVED

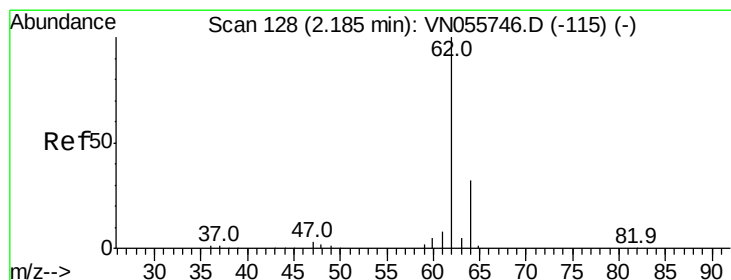
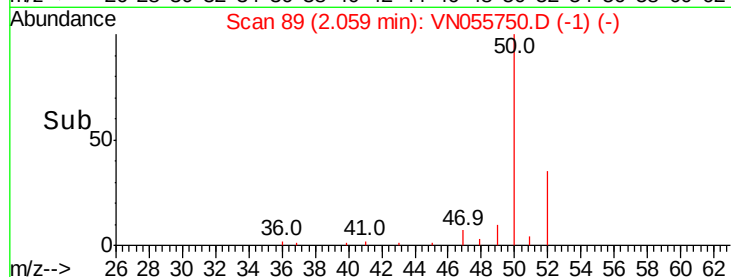
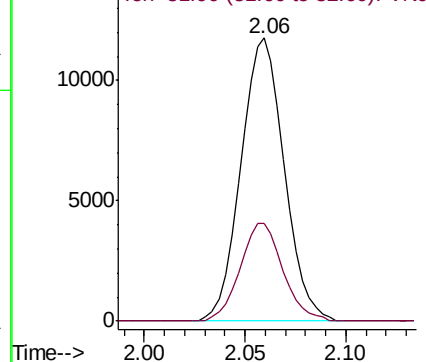
MMDadoda

5/24/2019 9:22:20 AM



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 4.370 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN055750.D

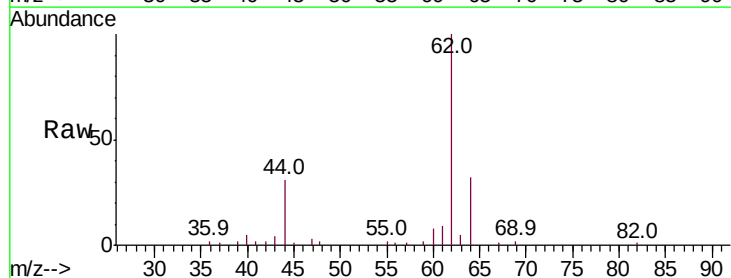
Acq: 23 May 2019 13:12

Tgt Ion: 62 Resp: 18555

Ion Ratio Lower Upper

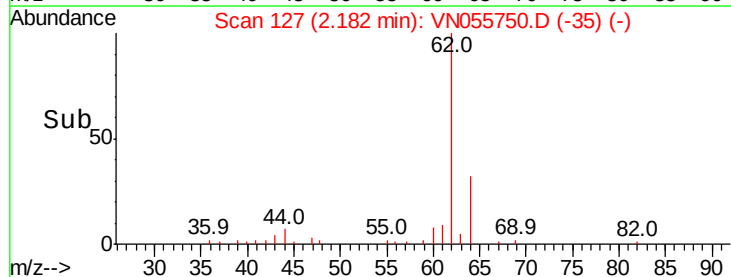
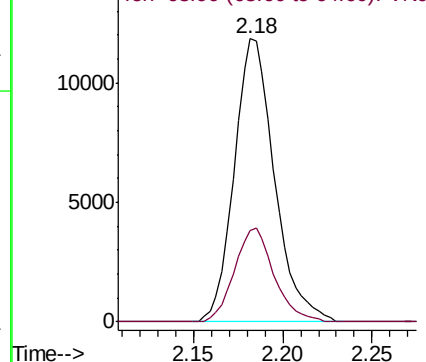
62 100

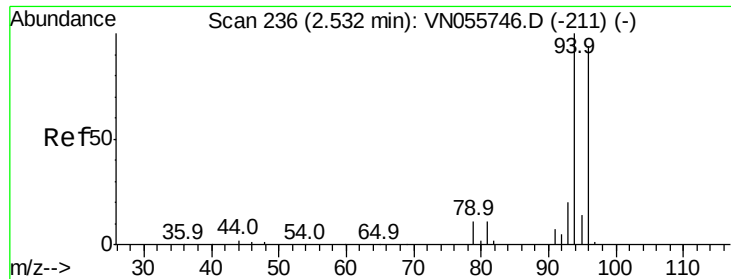
64 32.4 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 5.141 ug/l

RT: 2.53 min Scan# 236

Delta R.T. 0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 13977

Ion Ratio Lower Upper

94 100

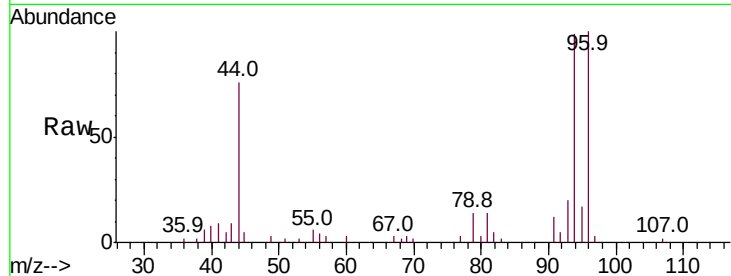
96 100.7 75.5 113.3

Manual Integrations

APPROVED

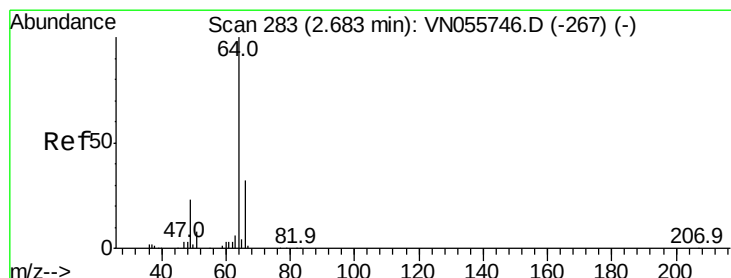
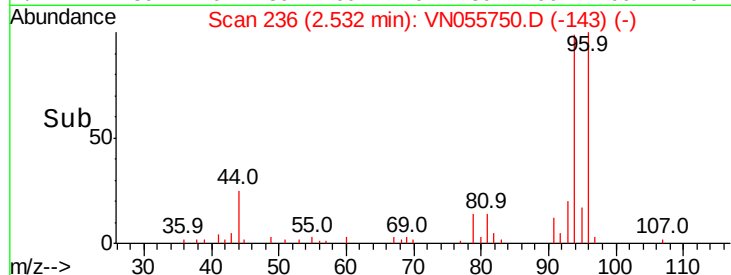
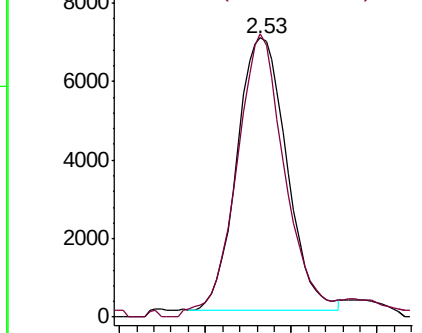
MMDadoda

5/24/2019 9:22:20 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 4.929 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN055750.D

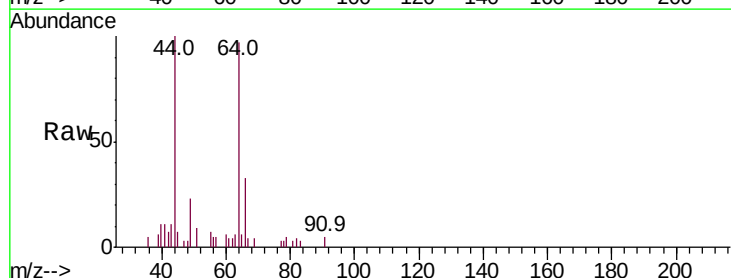
Acq: 23 May 2019 13:12

Tgt Ion: 64 Resp: 11754

Ion Ratio Lower Upper

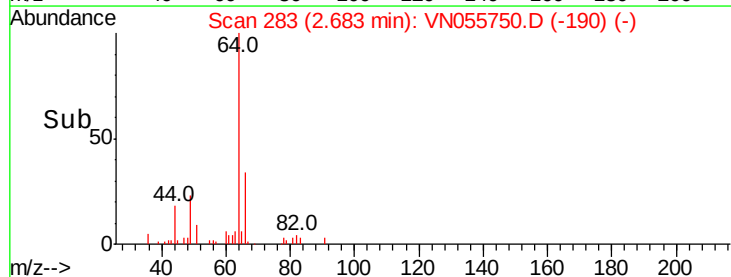
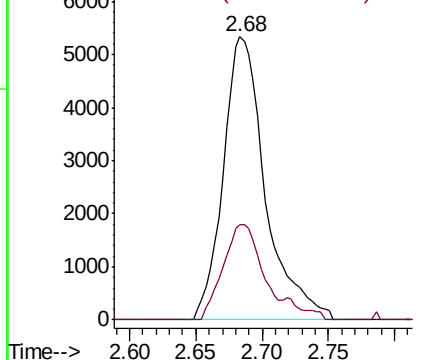
64 100

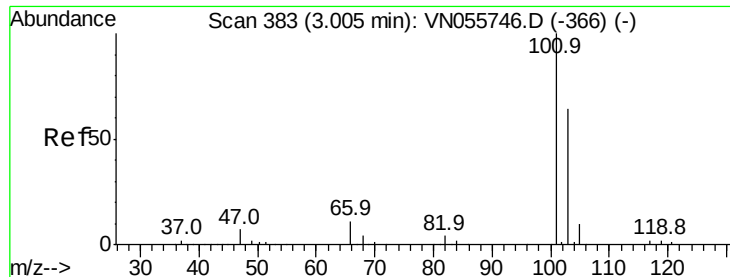
66 33.7 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

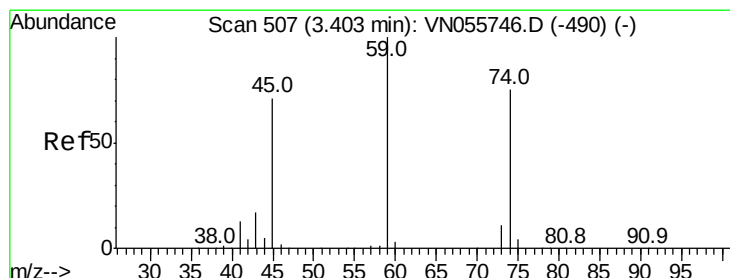
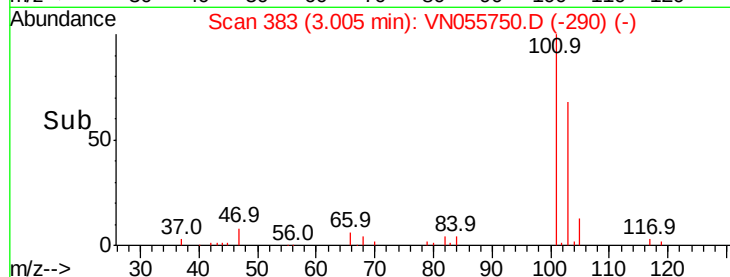
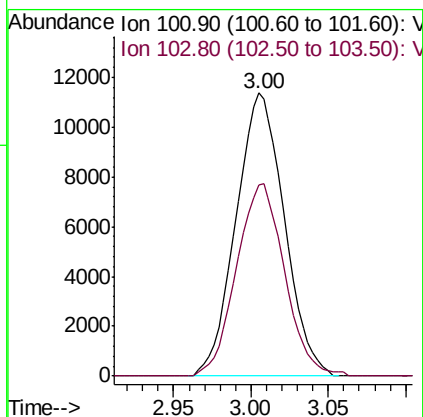
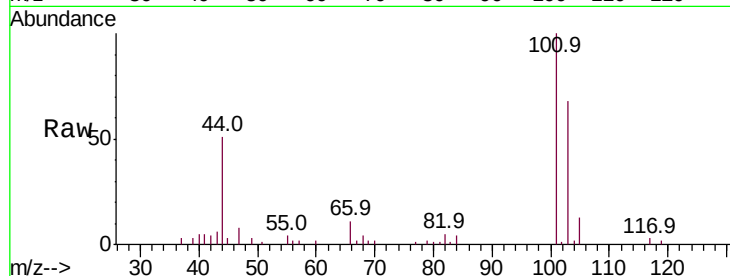
Trichlorofluoromethane
Concen: 4.535 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN055750.D
Acq: 23 May 2019 13:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:101 Resp: 24684
Ion Ratio Lower Upper
101 100
103 67.5 51.2 76.8

Manual Integrations
APPROVED

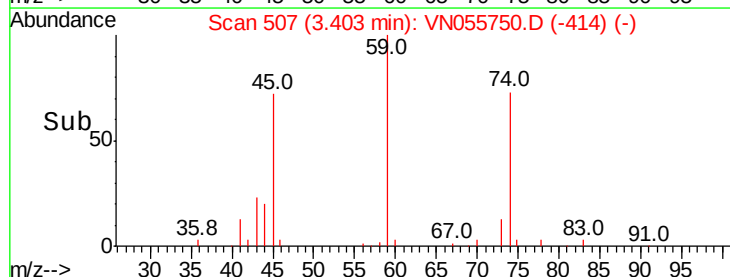
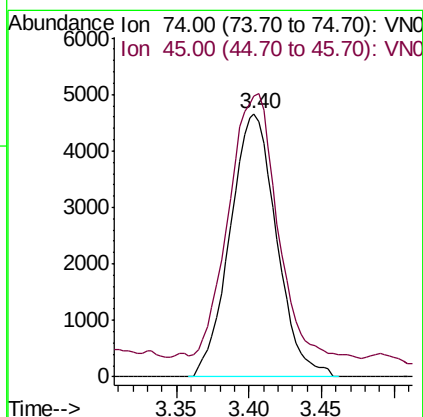
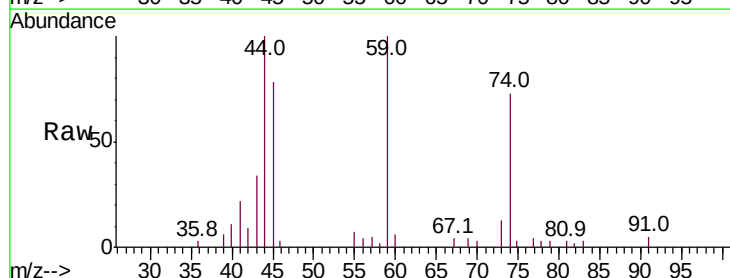
MMDadoda
5/24/2019 9:22:20 AM

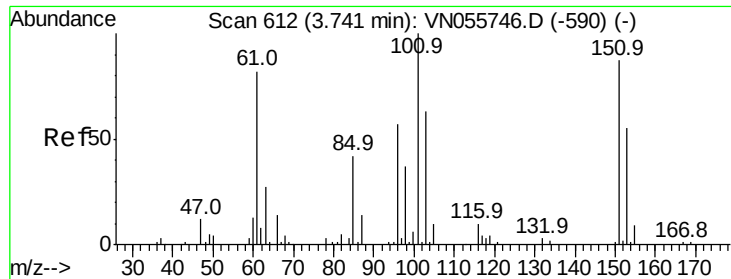


#8

Diethyl Ether
Concen: 4.678 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN055750.D
Acq: 23 May 2019 13:12

Tgt Ion: 74 Resp: 10362
Ion Ratio Lower Upper
74 100
45 104.6 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.808 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

Instrument :

MSVOA_N

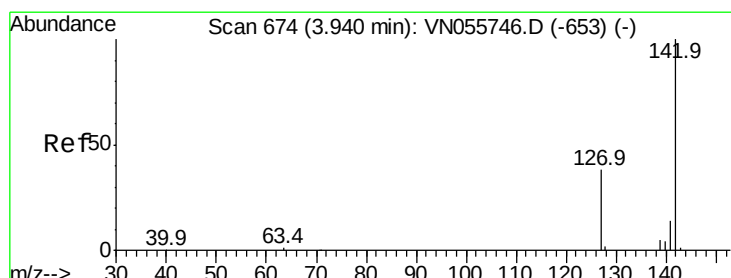
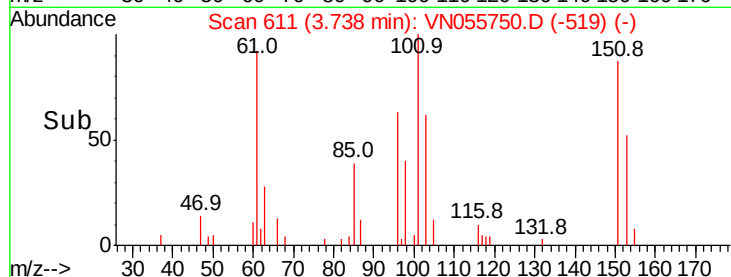
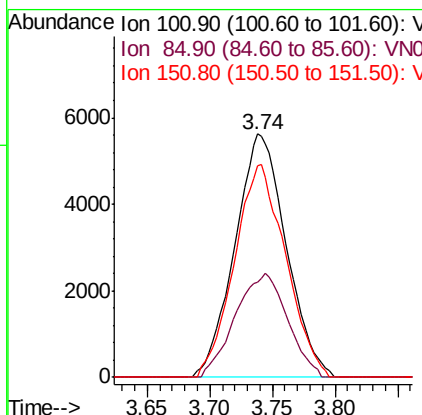
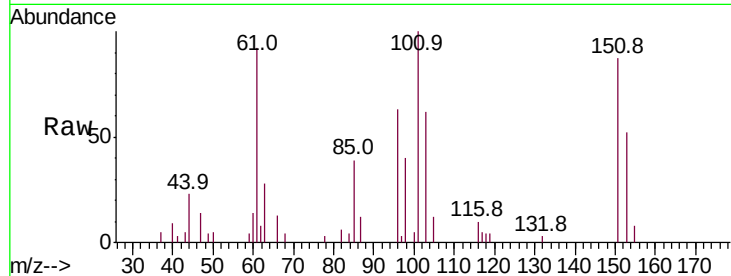
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	15995
Ion Ratio	Lower	Upper	
101	100		
85	43.4	33.4	50.2
151	87.5	69.4	104.2

Manual Integrations
APPROVED

MMDadoda
5/24/2019 9:22:20 AM



#10

Methyl Iodide

Concen: 3.905 ug/l

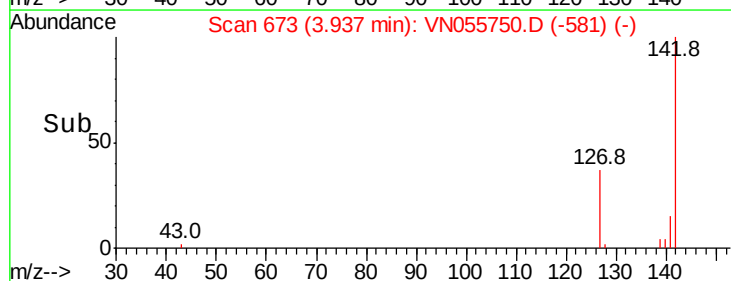
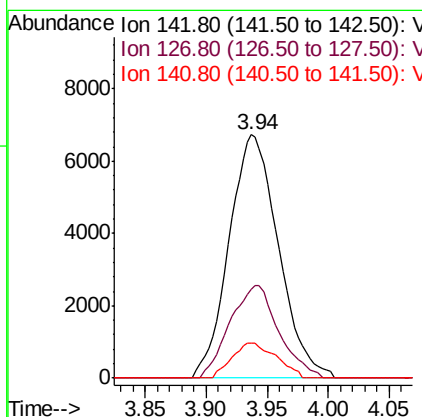
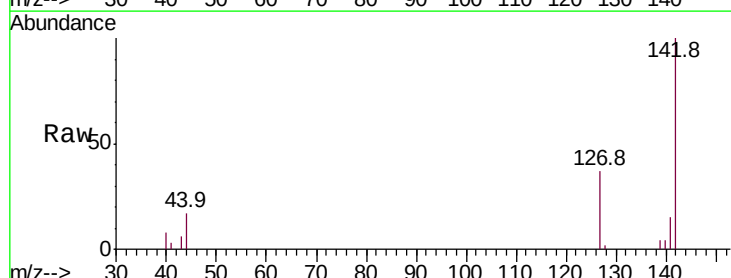
RT: 3.94 min Scan# 673

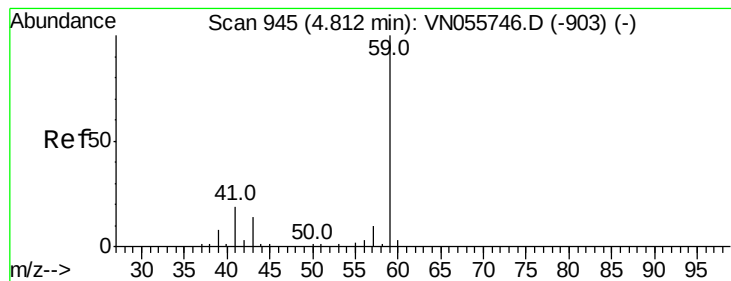
Delta R.T. -0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

Tgt Ion:	142	Resp:	18855
Ion Ratio	Lower	Upper	
142	100		
127	37.7	31.0	46.4
141	13.0	11.4	17.0





#11

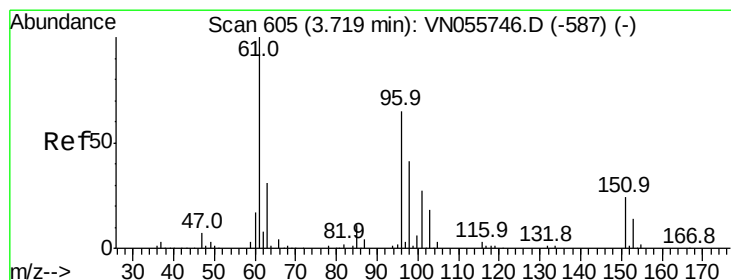
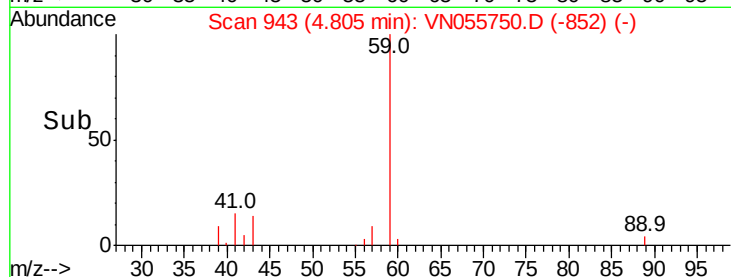
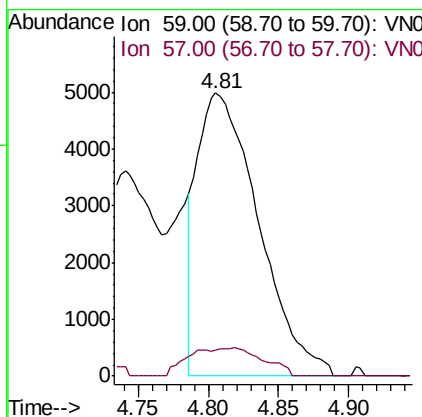
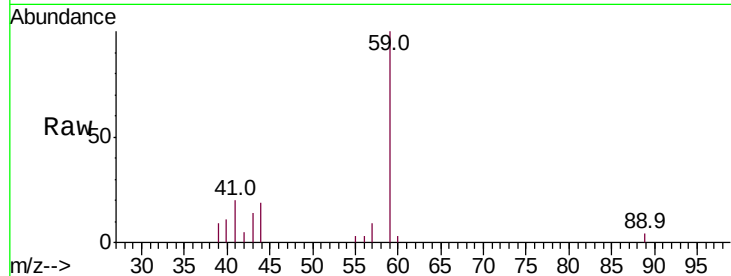
Tert butyl alcohol
 Concen: 19.126 ug/l
 RT: 4.81 min Scan# 943
 Delta R.T. -0.01 min
 Lab File: VN055750.D
 Acq: 23 May 2019 13:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 59 Resp: 15091
 Ion Ratio Lower Upper
 59 100
 57 4.4 7.8 11.6#

Manual Integrations
 APPROVED

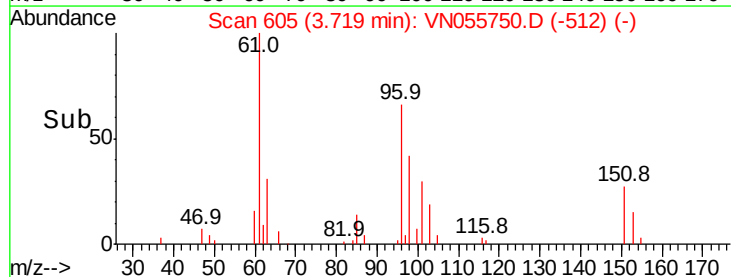
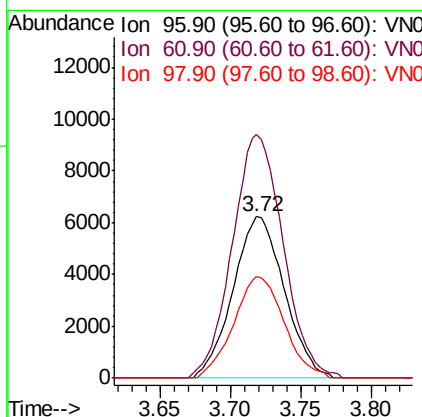
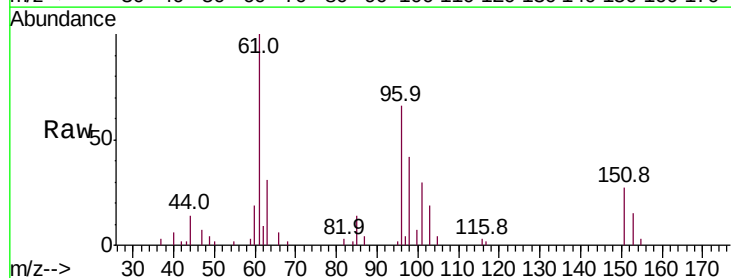
MMDadoda
 5/24/2019 9:22:20 AM

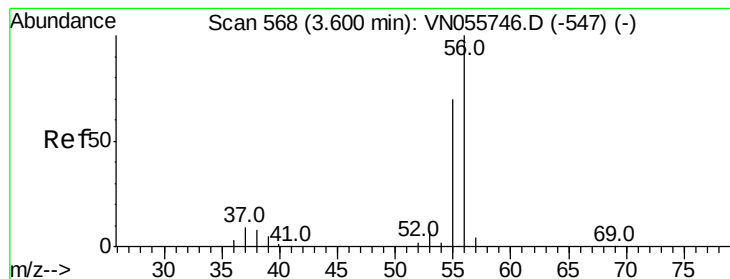


#12

1,1-Dichloroethene
 Concen: 4.522 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN055750.D
 Acq: 23 May 2019 13:12

Tgt Ion: 96 Resp: 15832
 Ion Ratio Lower Upper
 96 100
 61 151.1 123.2 184.8
 98 63.1 50.4 75.6





#13

Acrolein

Concen: 32.985 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 14970

Ion Ratio Lower Upper

56 100

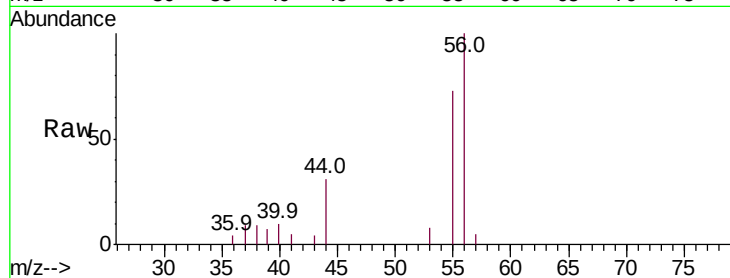
55 68.3 55.4 83.2

Manual Integrations

APPROVED

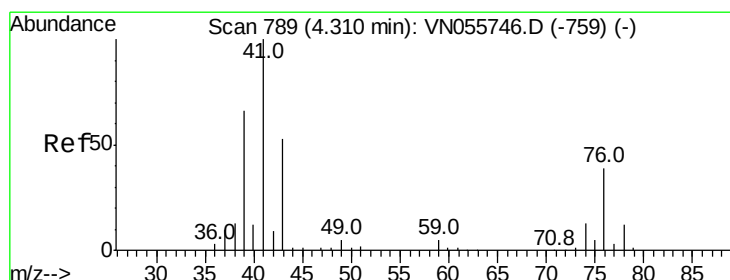
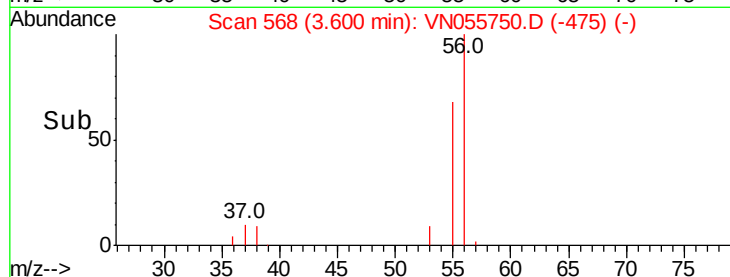
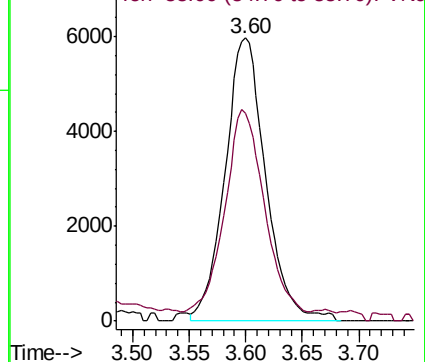
MMDadoda

5/24/2019 9:22:20 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 4.790 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

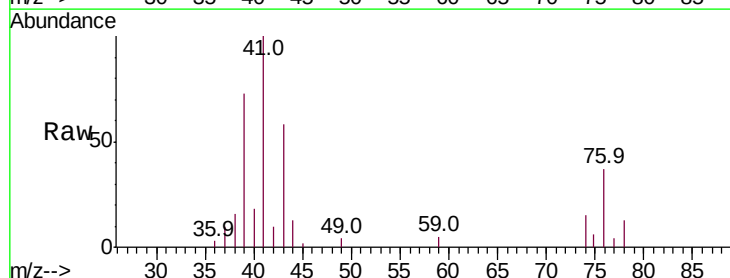
Tgt Ion: 41 Resp: 27114

Ion Ratio Lower Upper

41 100

39 64.4 50.0 75.0

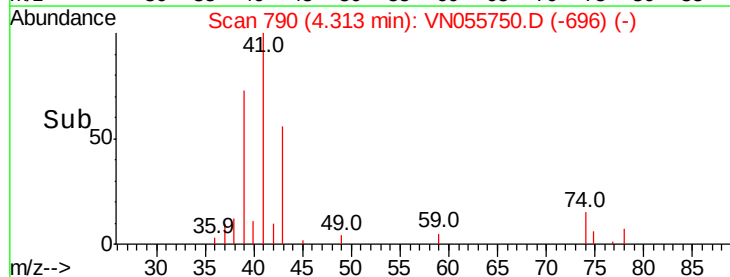
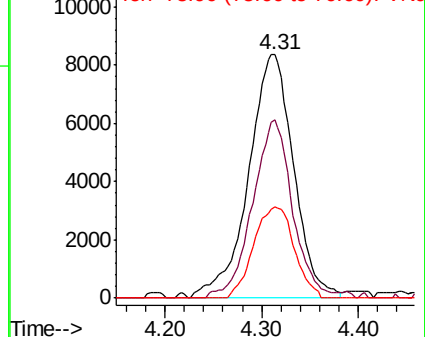
76 33.6 28.2 42.2

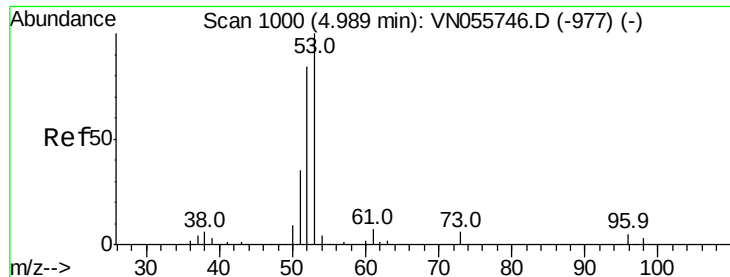


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 23.093 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

Instrument :

MSVOA_N

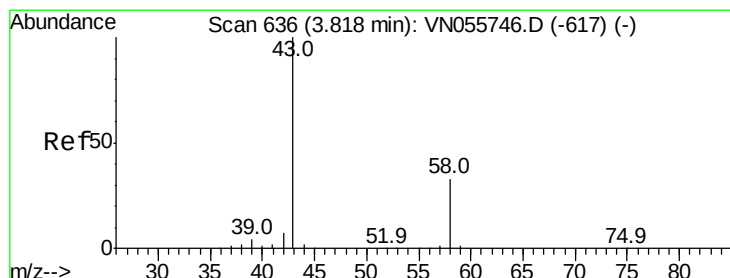
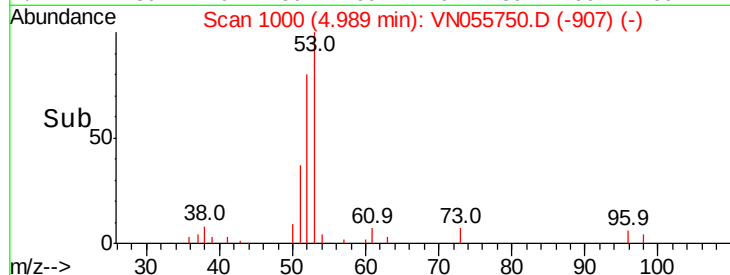
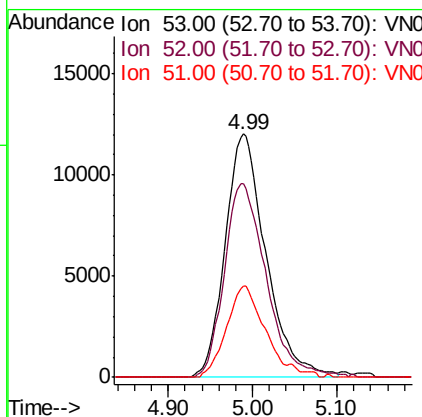
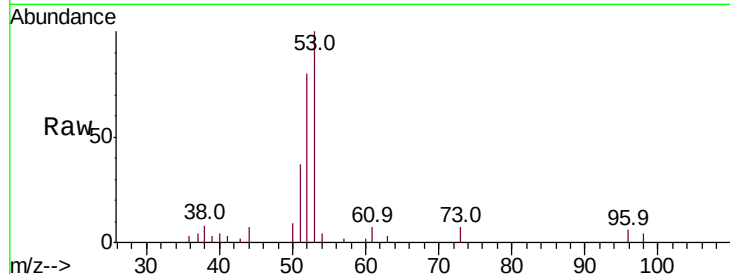
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	40476
Ion	Ratio	Lower	Upper
53	100		
52	81.6	65.8	98.8
51	35.4	28.2	42.4

Manual Integrations
APPROVED

MMDadoda
5/24/2019 9:22:20 AM



#16

Acetone

Concen: 23.347 ug/l

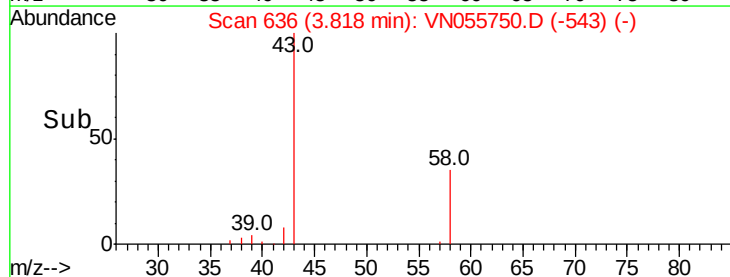
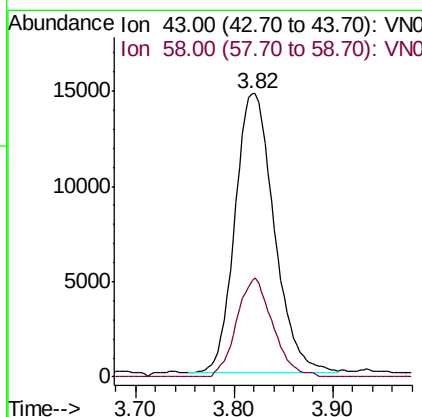
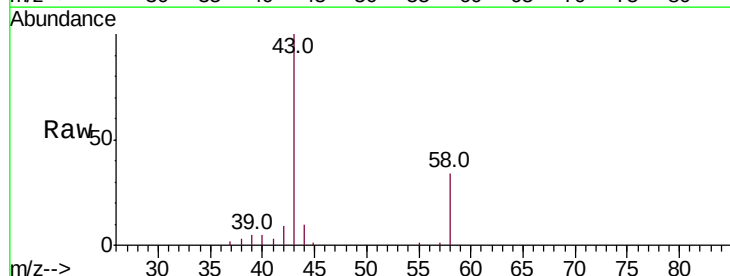
RT: 3.82 min Scan# 636

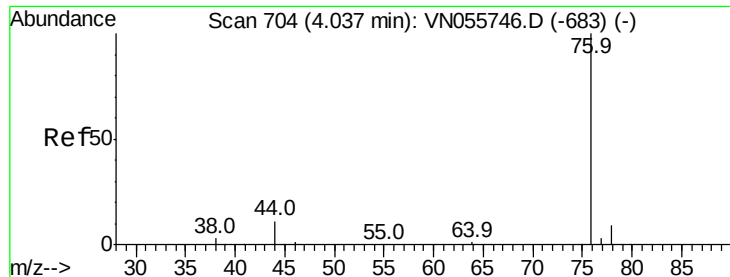
Delta R.T. 0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

Tgt Ion:	43	Resp:	40455
Ion	Ratio	Lower	Upper
43	100		
58	34.8	26.6	39.8





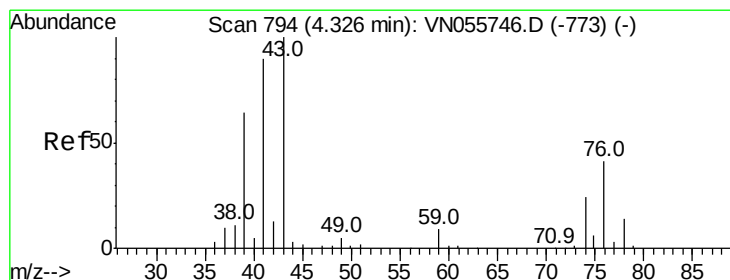
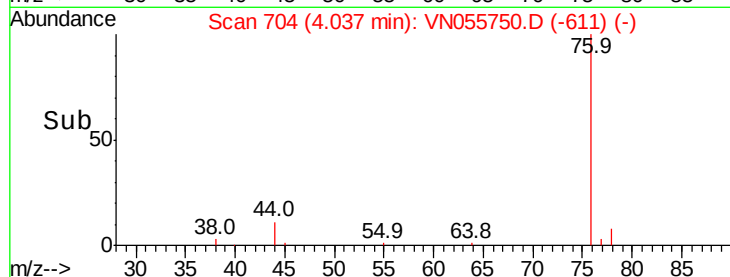
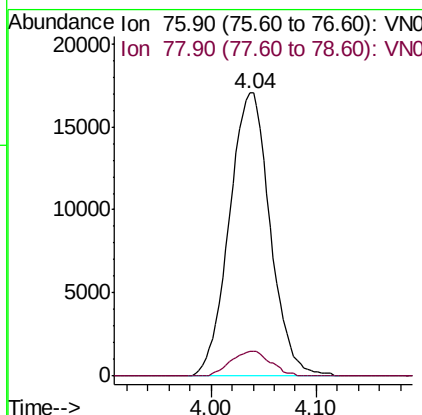
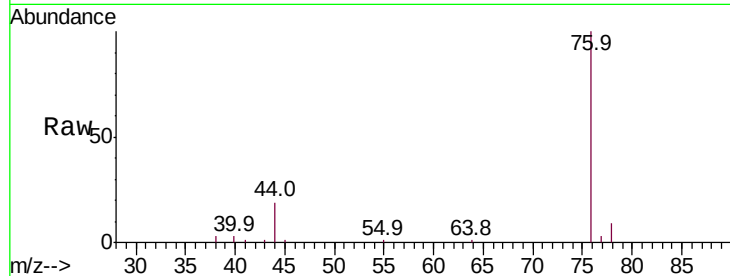
#17
Carbon Disulfide
Concen: 4.705 ug/l
RT: 4.04 min Scan# 704
Delta R.T. 0.00 min
Lab File: VN055750.D
Acq: 23 May 2019 13:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.4	11.2

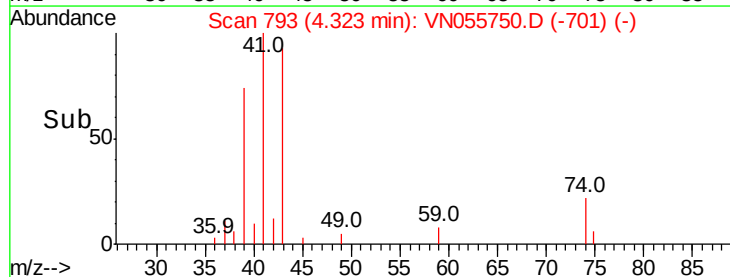
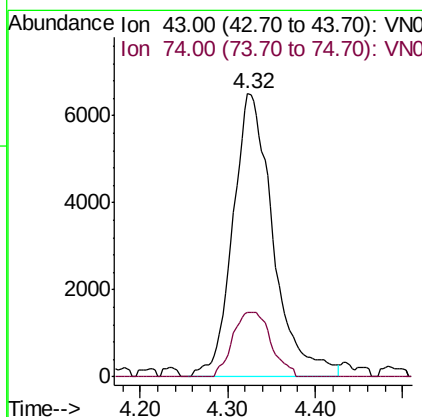
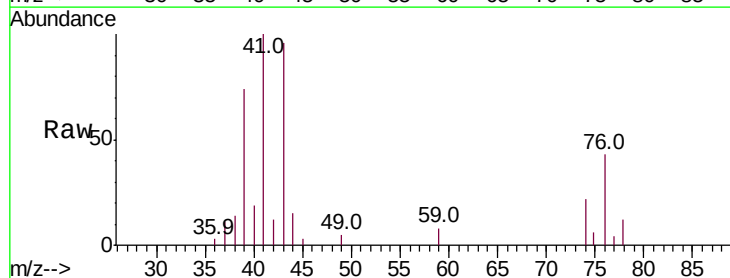
Manual Integrations
APPROVED

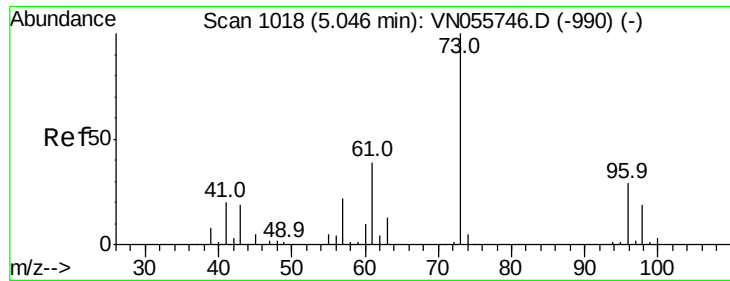
MMDadoda
5/24/2019 9:22:20 AM



#18
Methyl Acetate
Concen: 5.630 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN055750.D
Acq: 23 May 2019 13:12

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.5	19.3	28.9





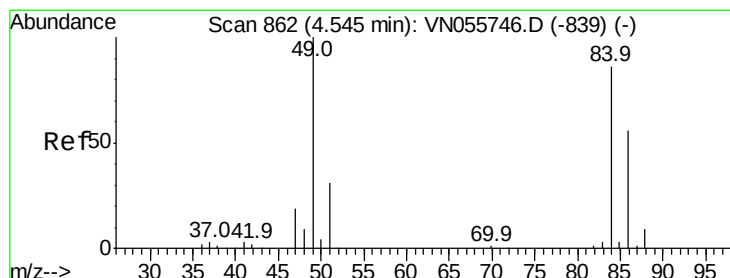
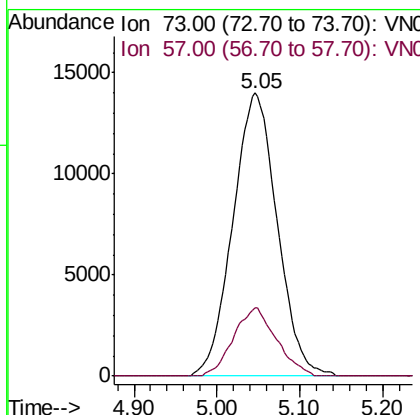
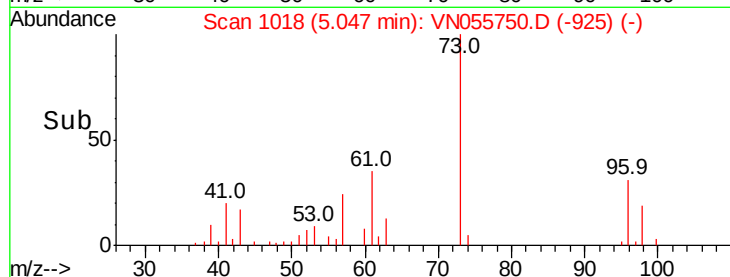
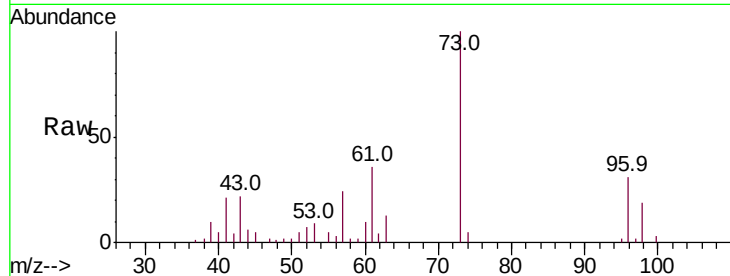
#19
Methyl tert-butyl Ether
Concen: 4.502 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055750.D
Acq: 23 May 2019 13:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 52020
Ion Ratio Lower Upper
73 100
57 24.1 17.8 26.8

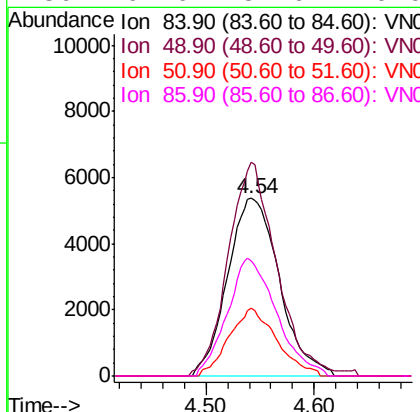
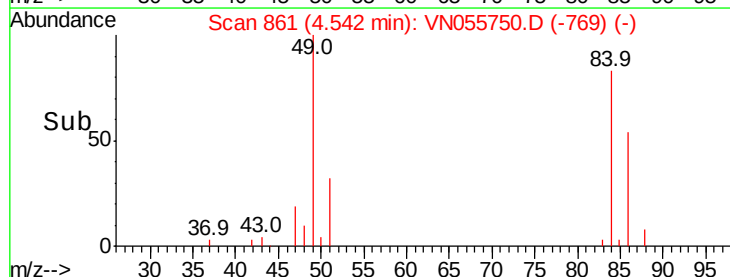
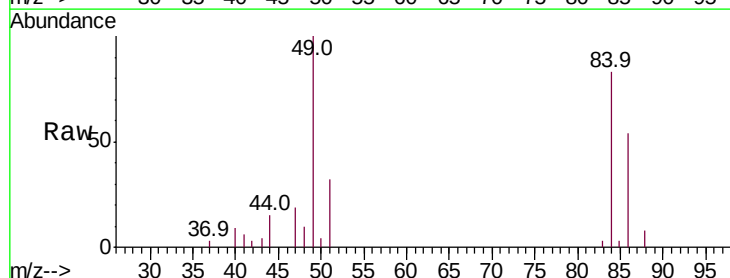
Manual Integrations
APPROVED

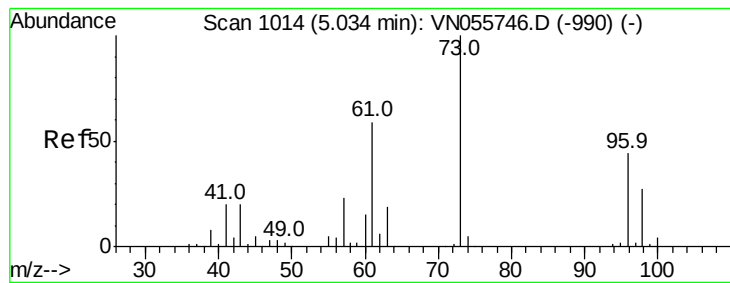
MMDadoda
5/24/2019 9:22:20 AM



#20
Methylene Chloride
Concen: 4.572 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN055750.D
Acq: 23 May 2019 13:12

Tgt Ion: 84 Resp: 17922
Ion Ratio Lower Upper
84 100
49 120.1 93.5 140.3
51 38.2 28.6 43.0
86 64.6 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 4.645 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 96 Resp: 17300

Ion Ratio Lower Upper

96 100

61 135.9 107.8 161.8

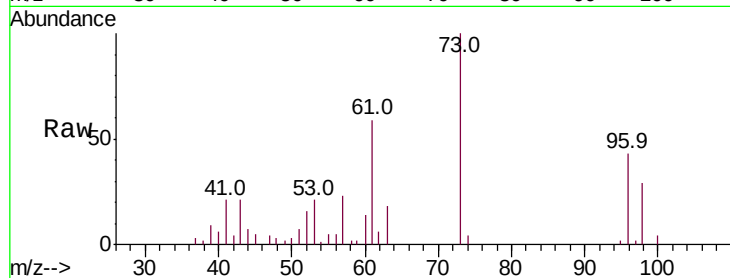
98 67.1 49.8 74.8

Manual Integrations

APPROVED

MMDadoda

5/24/2019 9:22:20 AM

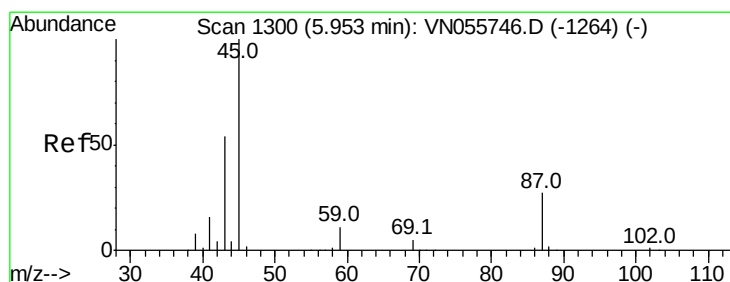
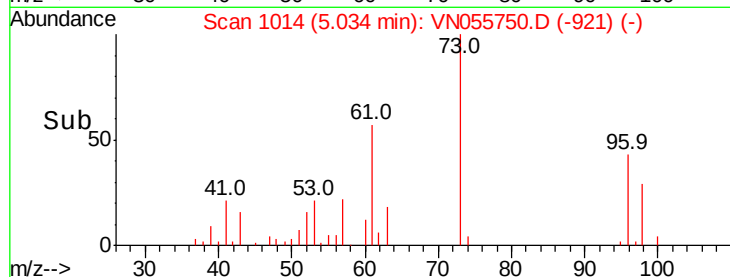
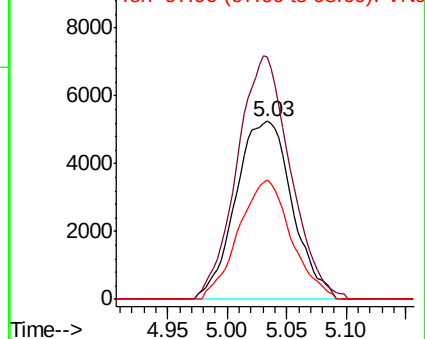


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 4.562 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

Tgt Ion: 45 Resp: 51338

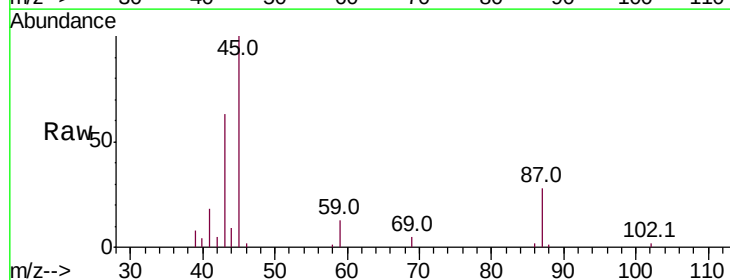
Ion Ratio Lower Upper

45 100

43 59.5 45.0 67.6

87 27.5 22.2 33.4

59 12.7 9.1 13.7



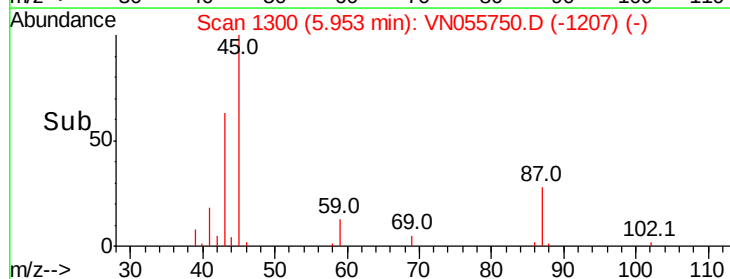
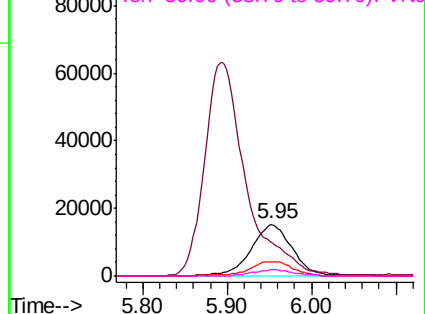
Abundance

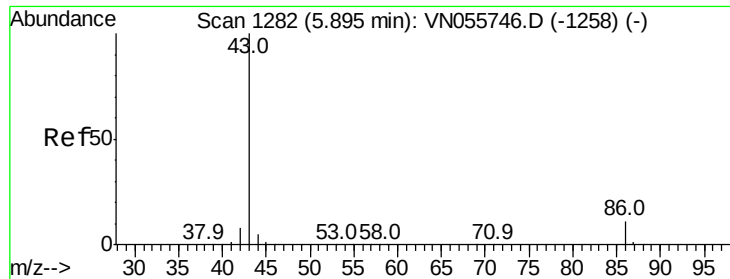
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 22.461 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 214432

Ion Ratio Lower Upper

43 100

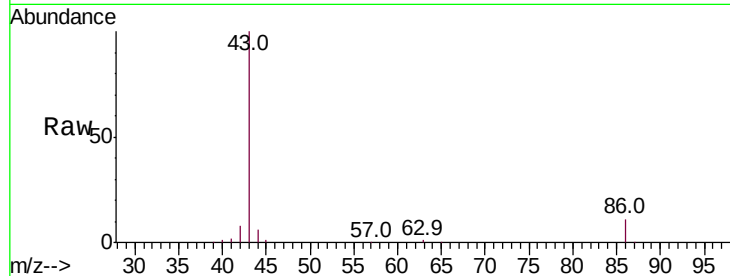
86 11.5 8.6 13.0

Manual Integrations

APPROVED

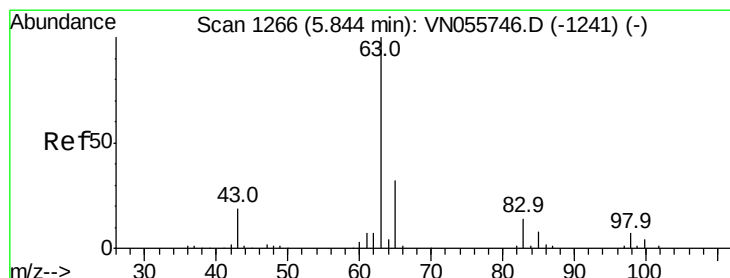
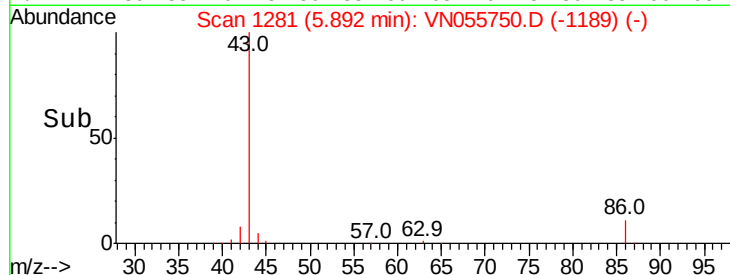
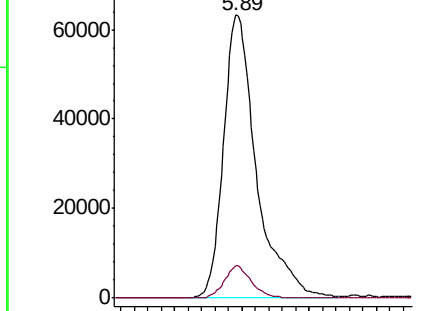
MMDadoda

5/24/2019 9:22:20 AM



Abundance Ion 43.00 (42.70 to 43.70): VN055746.D (-1258) (-)

Ion 86.00 (85.70 to 86.70): VN055746.D (-1258) (-)



#24

1,1-Dichloroethane

Concen: 4.631 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

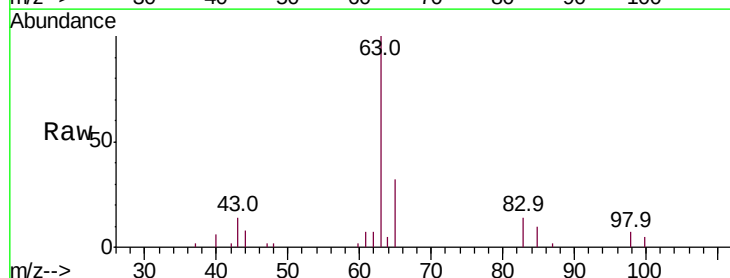
Tgt Ion: 63 Resp: 30357

Ion Ratio Lower Upper

63 100

98 7.4 3.4 10.1

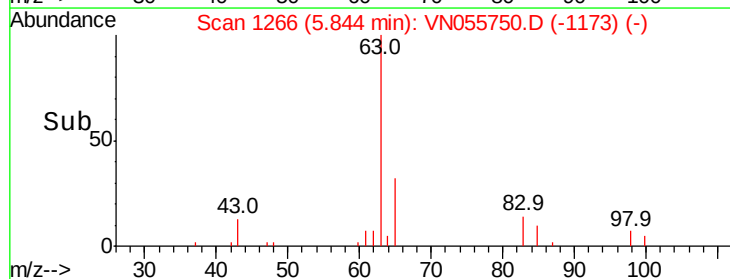
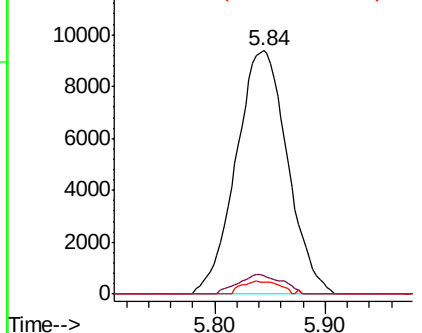
100 4.9 2.2 6.6

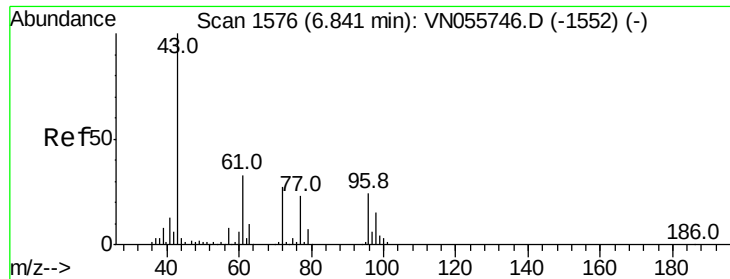


Abundance Ion 62.90 (62.60 to 63.60): VN055746.D (-1241) (-)

Ion 97.90 (97.60 to 98.60): VN055746.D (-1241) (-)

Ion 99.90 (99.60 to 100.60): VN055746.D (-1241) (-)





#25

2-Butanone

Concen: 23.374 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 56443

Ion Ratio Lower Upper

43 100

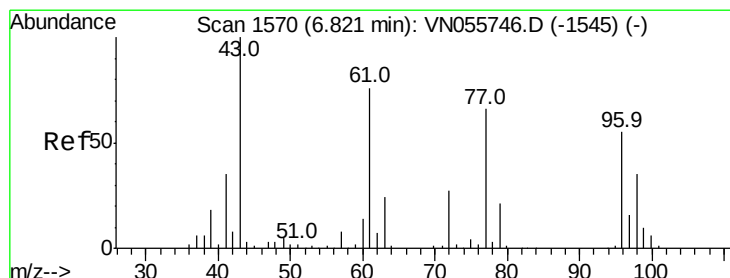
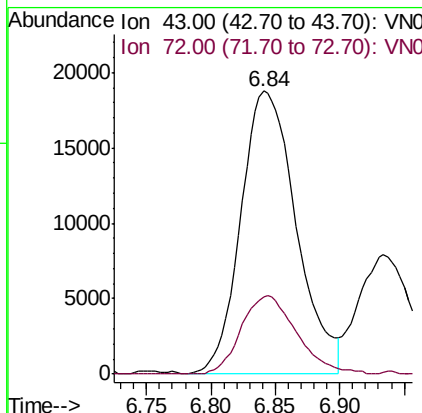
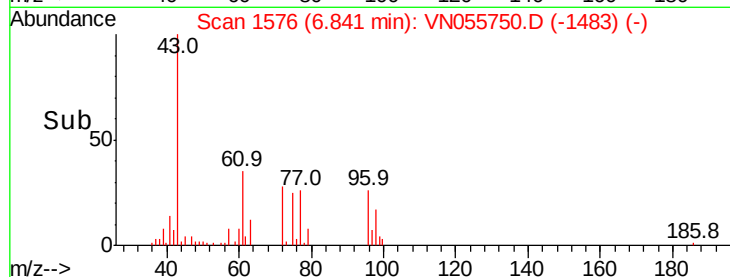
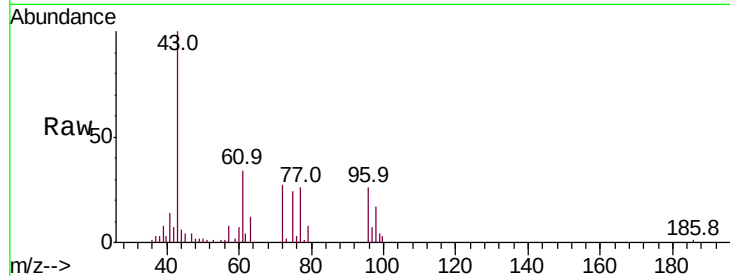
72 27.2 21.9 32.9

Manual Integrations

APPROVED

MMDadoda

5/24/2019 9:22:20 AM



#26

2,2-Dichloropropane

Concen: 4.539 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN055750.D

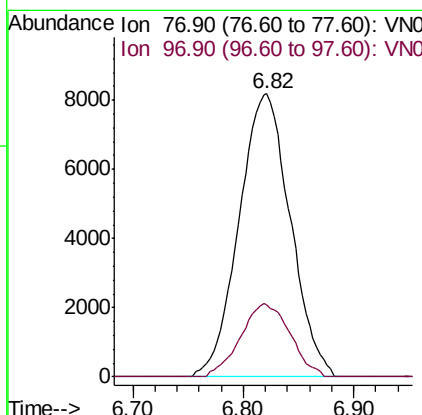
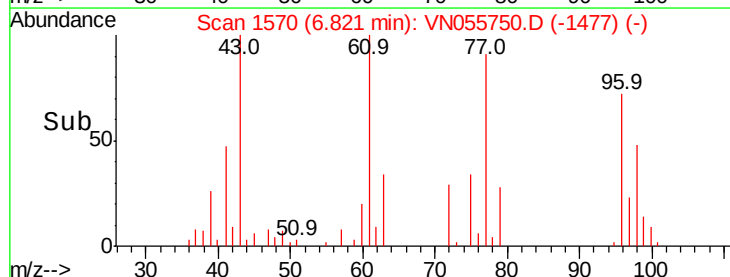
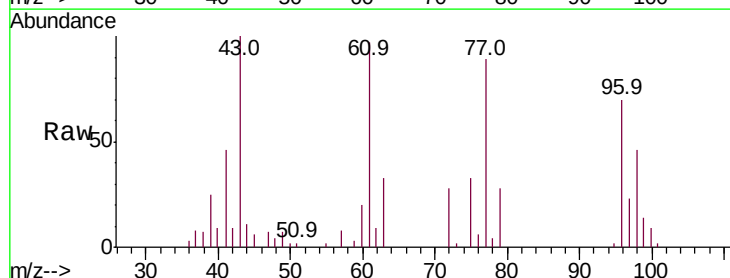
Acq: 23 May 2019 13:12

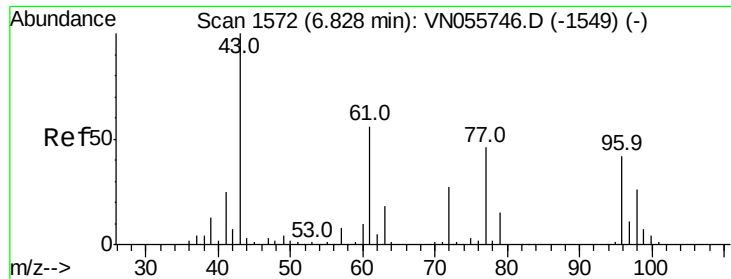
Tgt Ion: 77 Resp: 26352

Ion Ratio Lower Upper

77 100

97 25.0 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 4.415 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

Instrument :

MSVOA_N

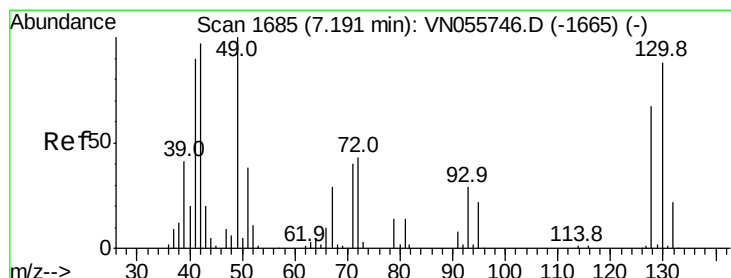
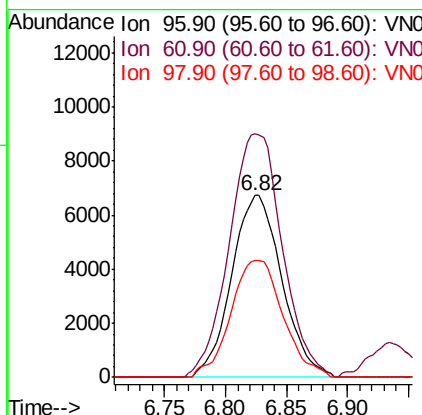
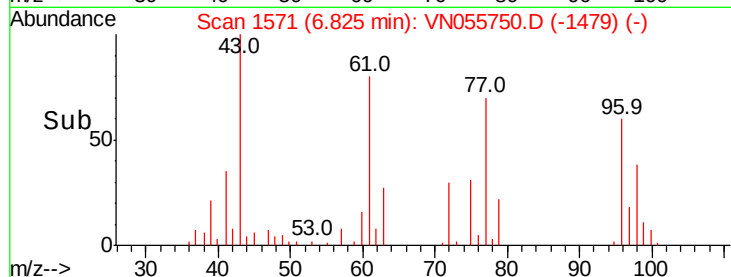
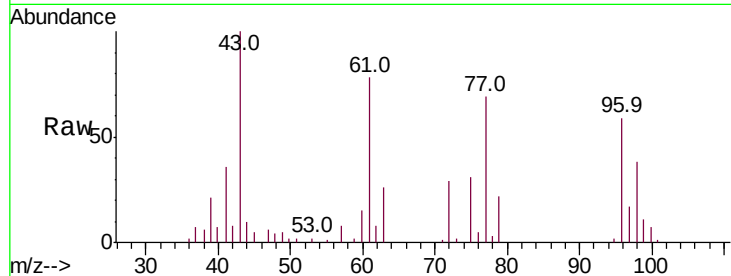
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	19217
Ion	Ratio	Lower	Upper
96	100		
61	141.5	0.0	275.8
98	66.6	0.0	128.4

Manual Integrations
APPROVED

MMDadoda
5/24/2019 9:22:20 AM



#28

Bromochloromethane

Concen: 4.687 ug/l

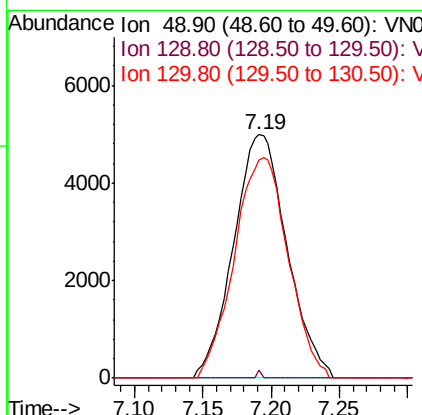
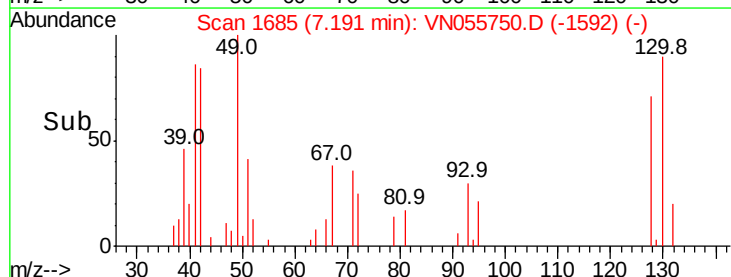
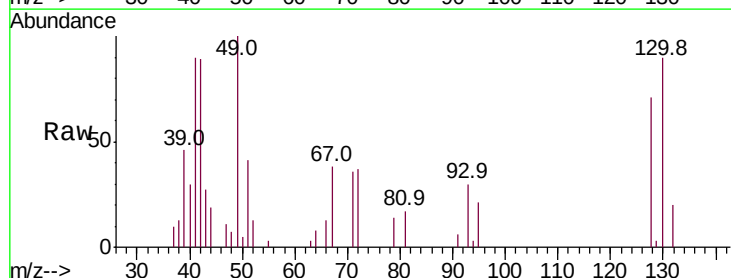
RT: 7.19 min Scan# 1685

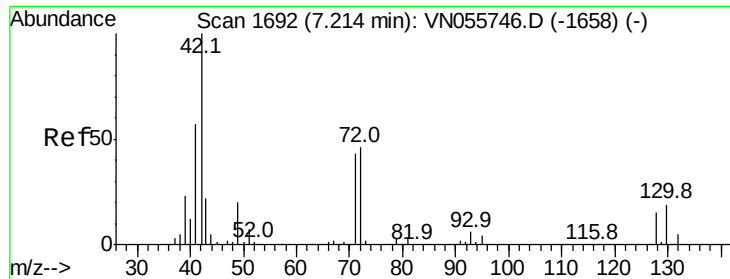
Delta R.T. 0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

Tgt Ion:	49	Resp:	13566
Ion	Ratio	Lower	Upper
49	100		
129	0.2	0.0	4.4
130	90.9	71.2	106.8





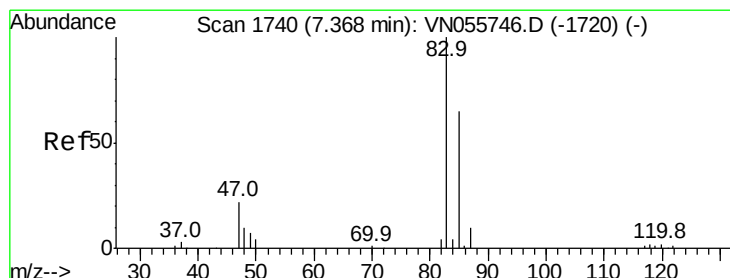
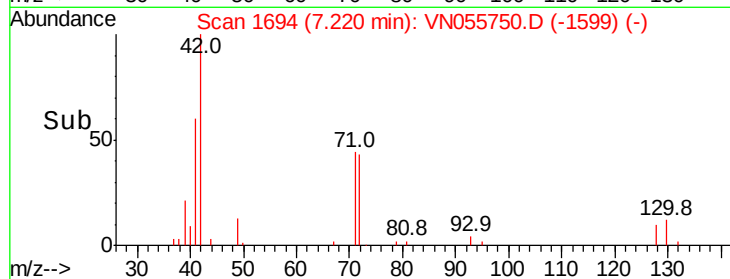
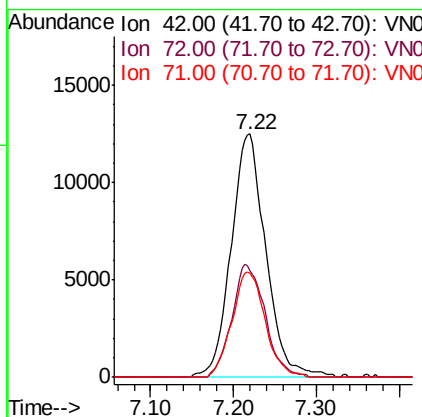
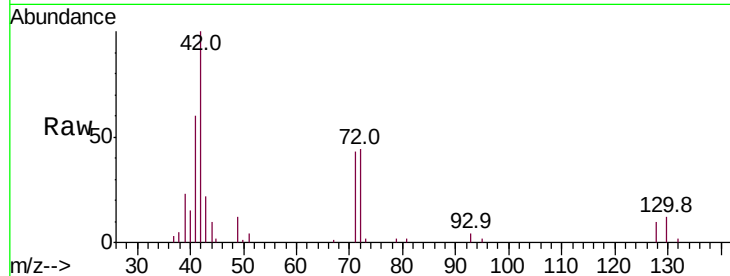
#29
Tetrahydrofuran
Concen: 22.836 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.01 min
Lab File: VN055750.D
Acq: 23 May 2019 13:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.4	35.9	53.9
71	41.3	34.0	51.0

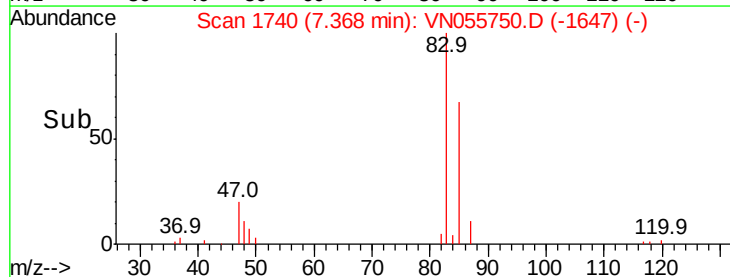
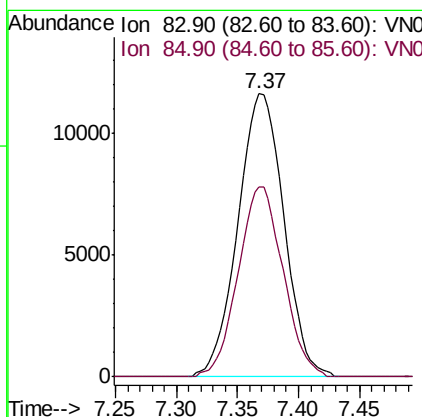
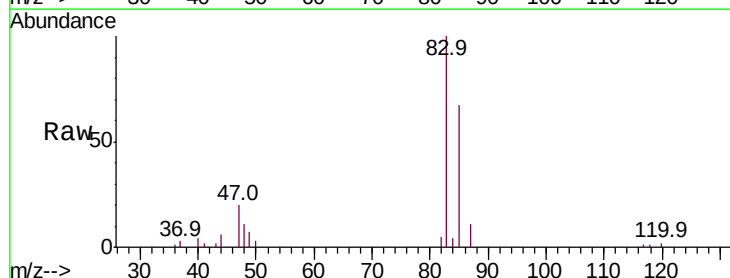
Manual Integrations
APPROVED

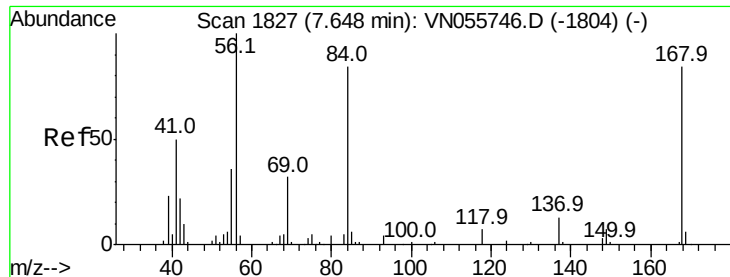
MMDadoda
5/24/2019 9:22:20 AM



#30
Chloroform
Concen: 4.500 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VN055750.D
Acq: 23 May 2019 13:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.3	51.8	77.8





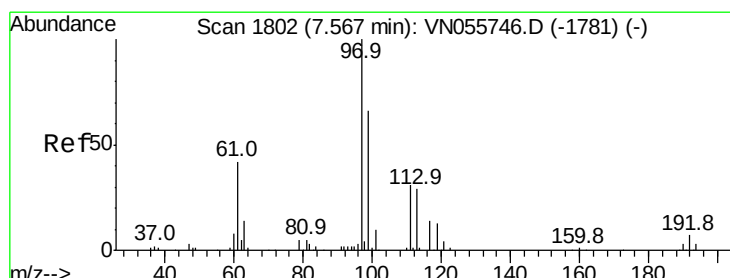
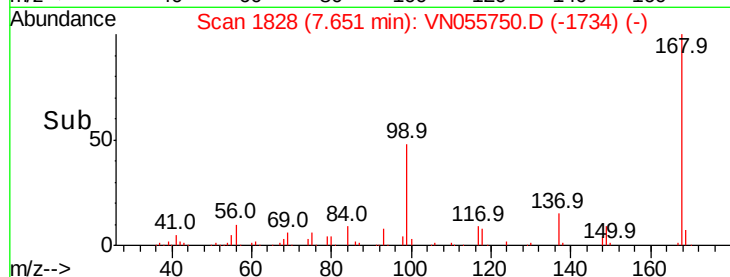
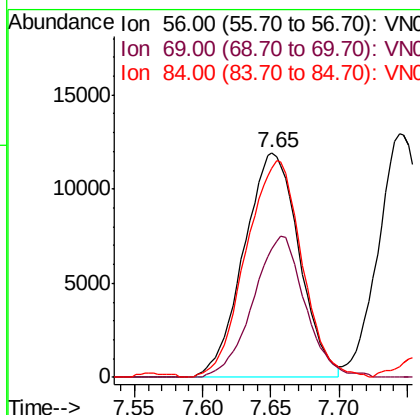
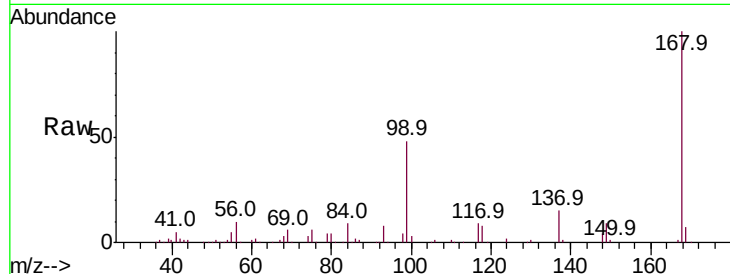
#31
Cyclohexane
Concen: 5.358 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN055750.D
Acq: 23 May 2019 13:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	57.1	25.6	38.4#
84	93.2	67.4	101.0

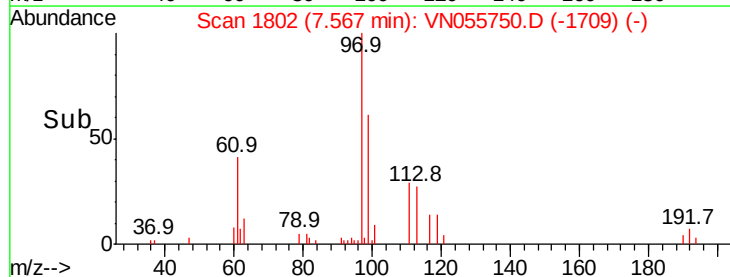
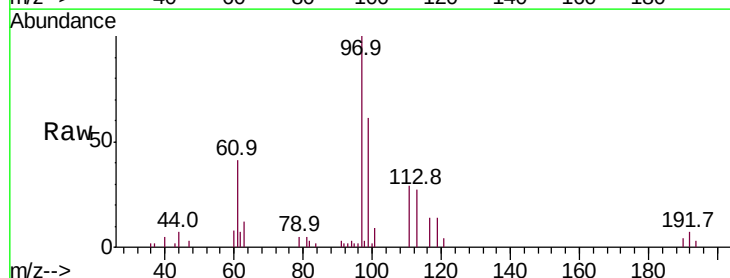
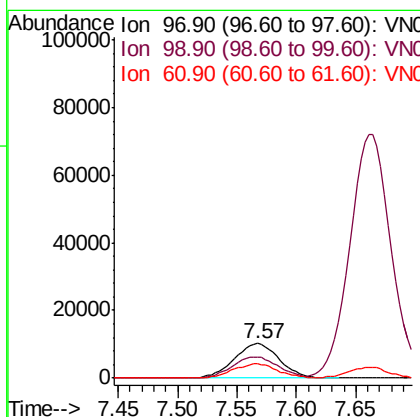
Manual Integrations
APPROVED

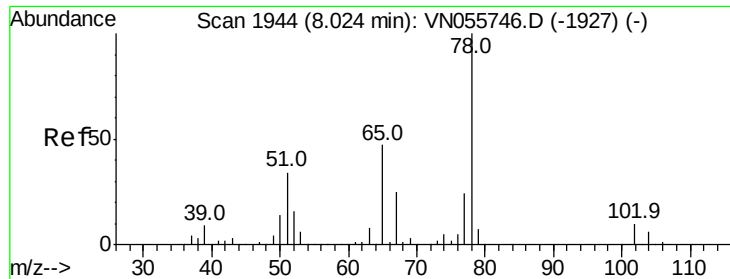
MMDadoda
5/24/2019 9:22:20 AM



#32
1,1,1-Trichloroethane
Concen: 4.437 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN055750.D
Acq: 23 May 2019 13:12

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.3	52.0	78.0
61	40.5	32.9	49.3





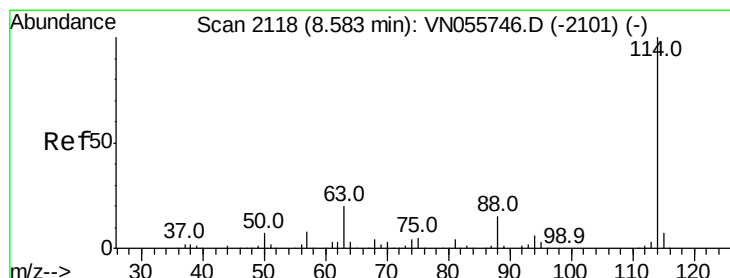
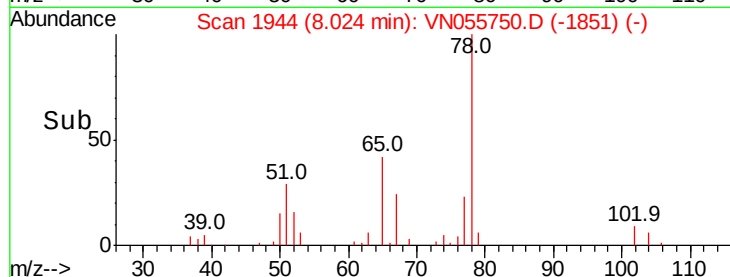
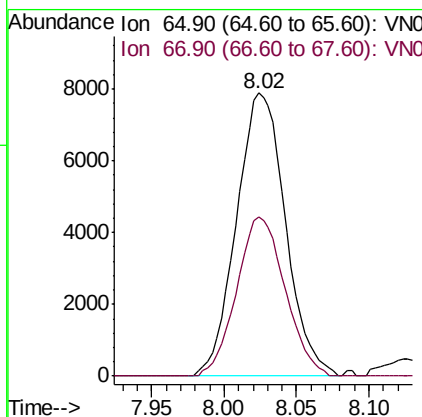
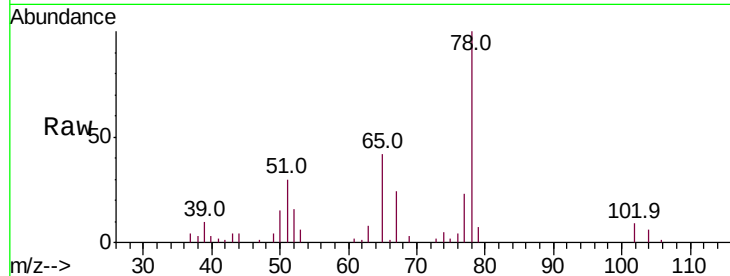
#33
 1,2-Dichloroethane-d4
 Concen: 4.418 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN055750.D
 Acq: 23 May 2019 13:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
65	100	18549		
67	55.5	0.0	109.2	

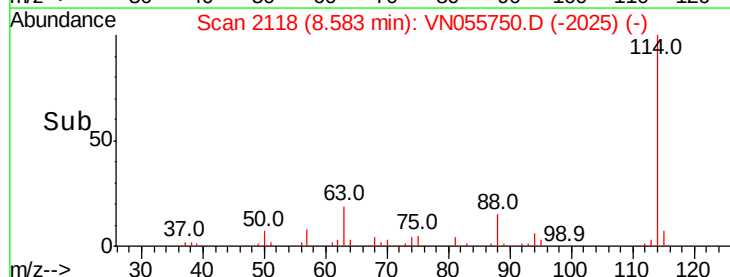
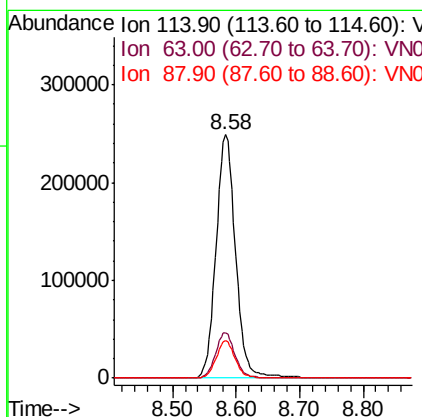
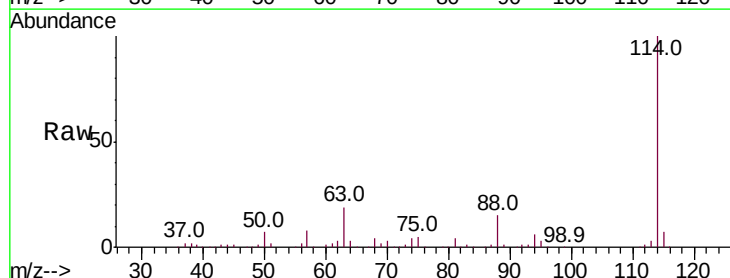
Manual Integrations
 APPROVED

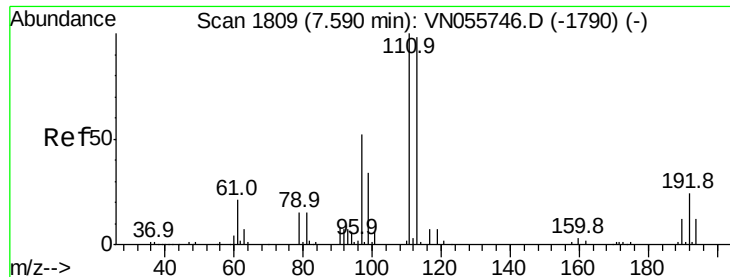
MMDadoda
 5/24/2019 9:22:20 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055750.D
 Acq: 23 May 2019 13:12

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	530999		
63	18.8	0.0	39.2	
88	15.2	0.0	31.0	





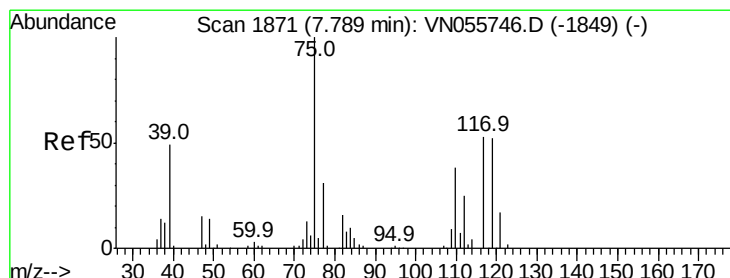
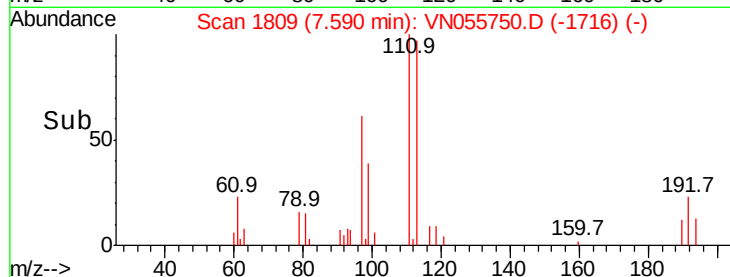
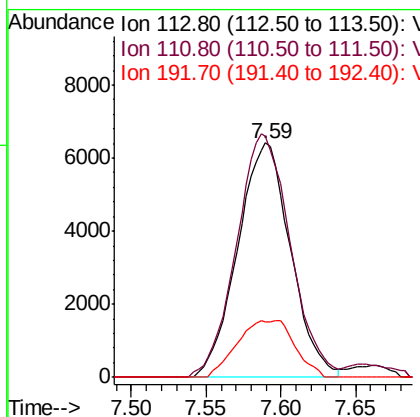
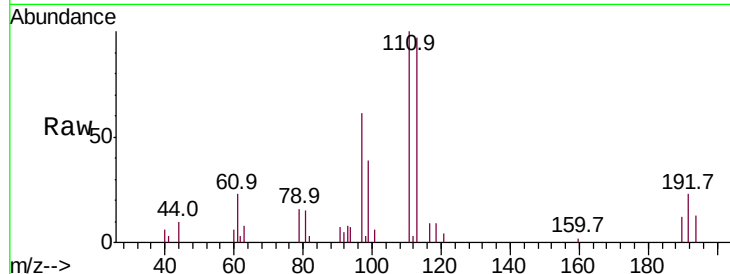
#35
 Dibromofluoromethane
 Concen: 4.684 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055750.D
 Acq: 23 May 2019 13:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	105.9	81.9	122.9
192	26.2	19.5	29.3

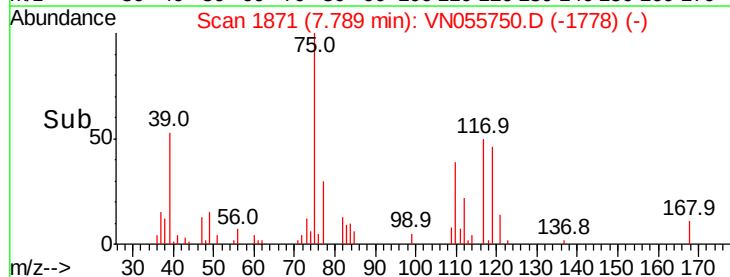
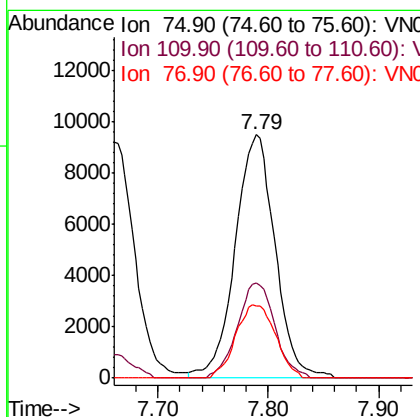
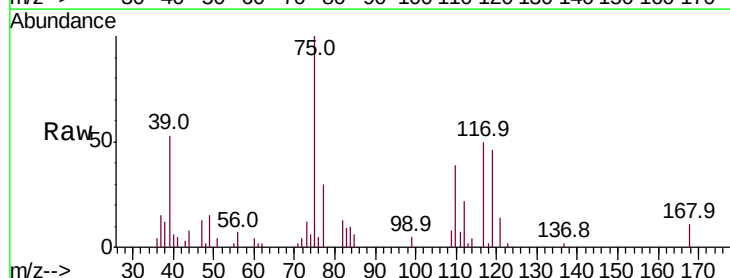
Manual Integrations
 APPROVED

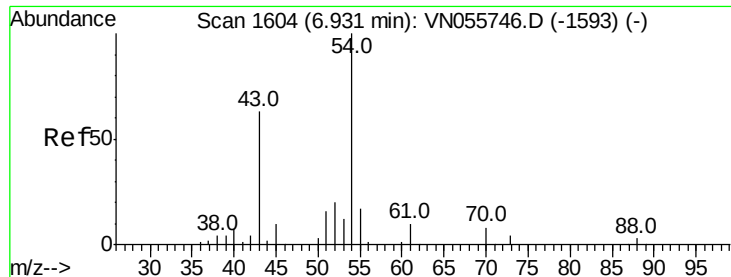
MMDadoda
 5/24/2019 9:22:20 AM



#36
 1,1-Dichloropropene
 Concen: 5.051 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055750.D
 Acq: 23 May 2019 13:12

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.8	19.0	57.0
77	29.9	25.1	37.7





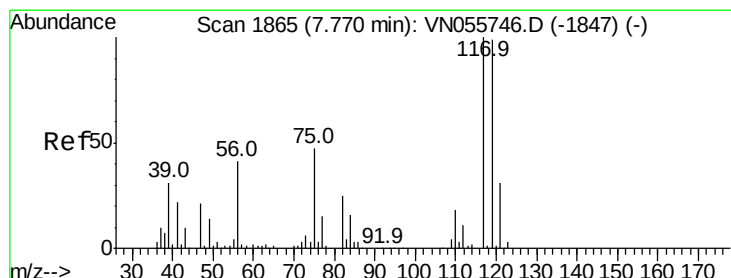
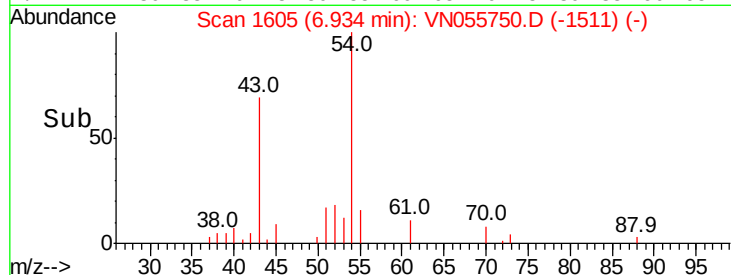
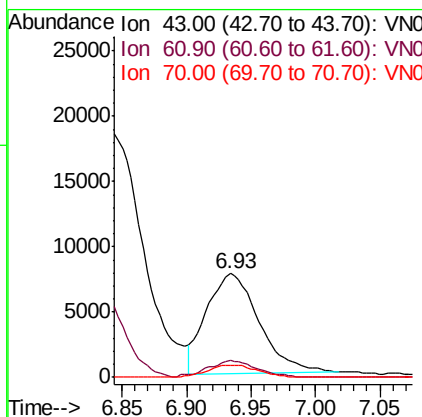
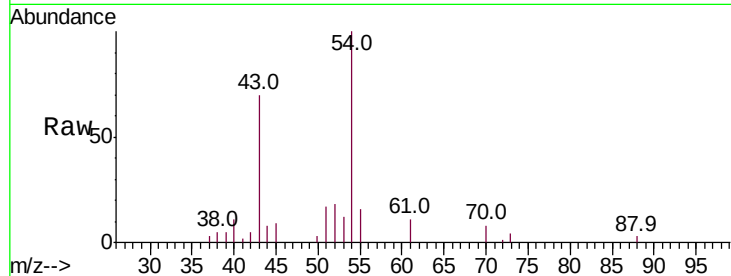
#37
Ethyl Acetate
Concen: 5.159 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055750.D
Acq: 23 May 2019 13:12

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	12.2	18.2
70	11.6	8.9	13.3

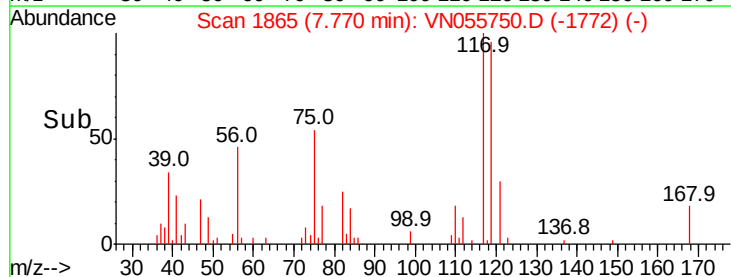
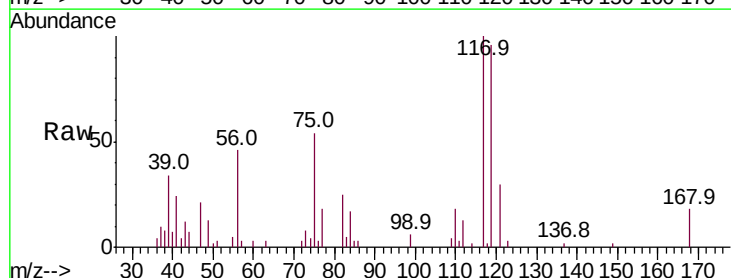
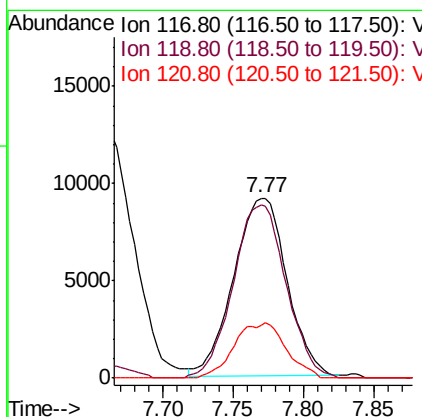
Manual Integrations
APPROVED

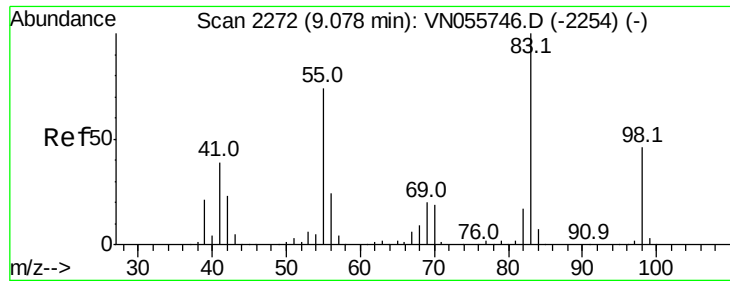
MMDadoda
5/24/2019 9:22:20 AM



#38
Carbon Tetrachloride
Concen: 4.769 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055750.D
Acq: 23 May 2019 13:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.1	79.0	118.6
121	30.3	24.7	37.1





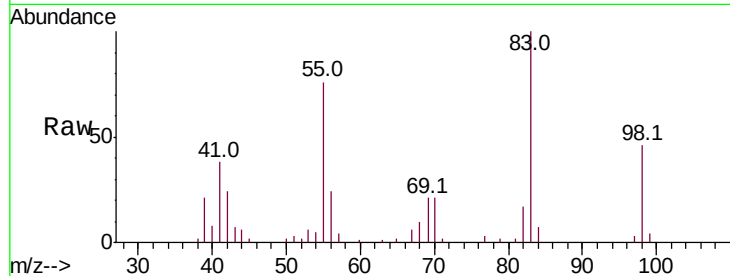
#39
Methylvlcyclohexane
Concen: 5.074 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VN055750.D
Acq: 23 May 2019 13:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

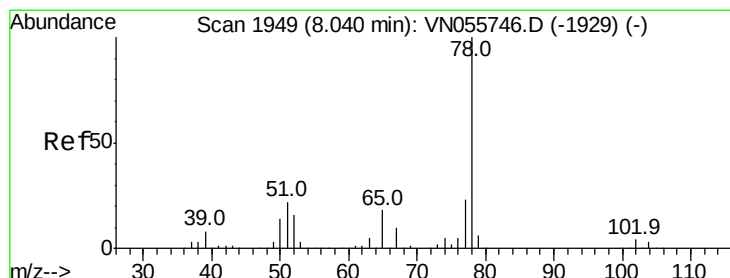
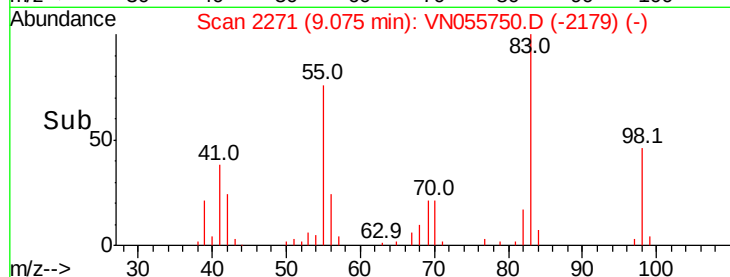
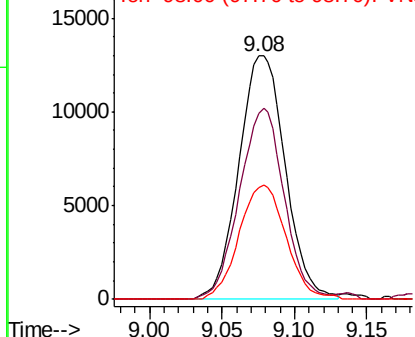
Tot Ion	Ratio	Lower	Upper
83	100		
55	76.2	59.3	88.9
98	45.9	36.6	54.8

Manual Integrations
APPROVED

MMDadoda
5/24/2019 9:22:20 AM

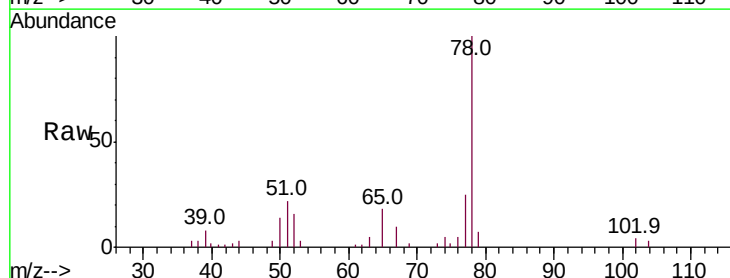


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

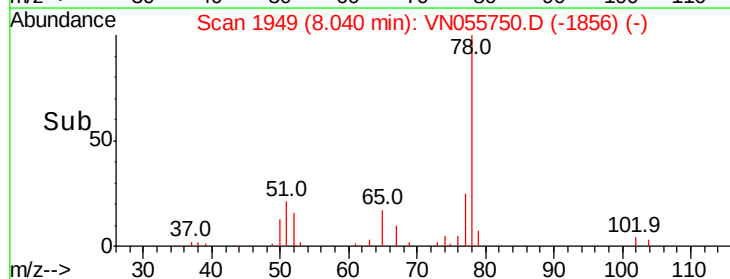
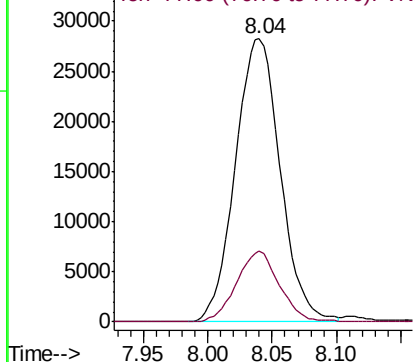


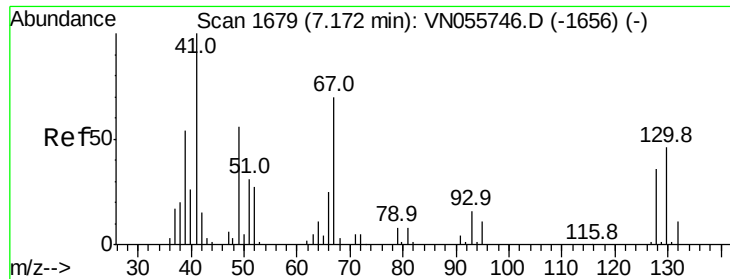
#40
Benzene
Concen: 4.918 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055750.D
Acq: 23 May 2019 13:12

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	18.8	28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





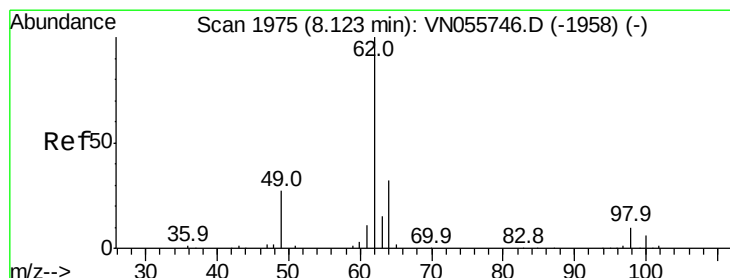
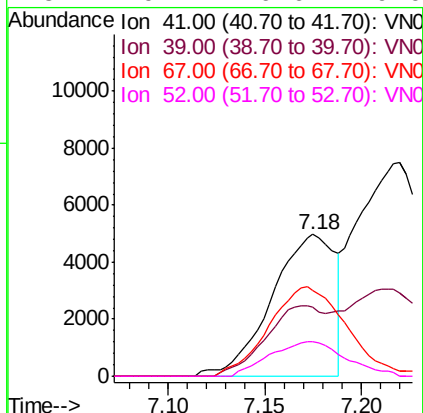
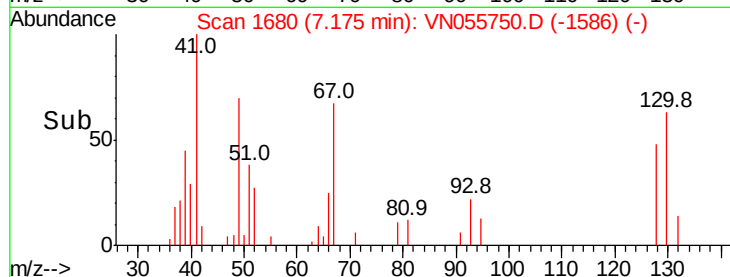
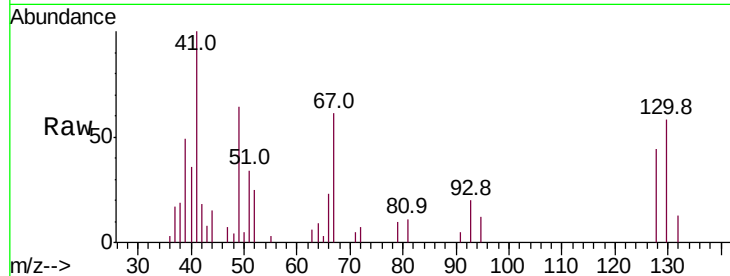
#41
Methacrylonitrile
Concen: 6.114 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055750.D
Acq: 23 May 2019 13:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	45.2	45.6	68.4#	
67	76.8	67.7	101.5	
52	29.2	26.6	40.0	

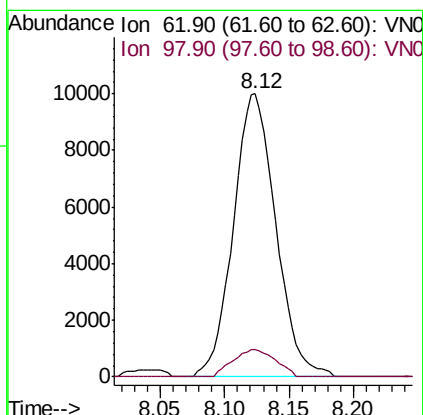
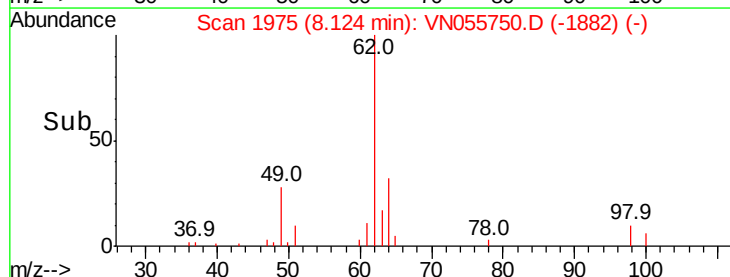
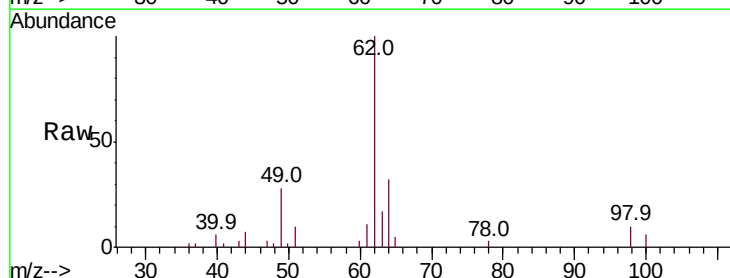
Manual Integrations
APPROVED

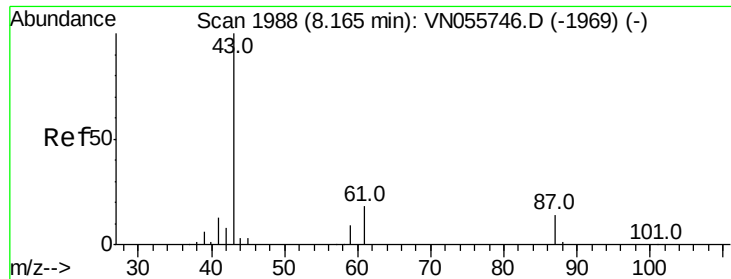
MMDadoda
5/24/2019 9:22:20 AM



#42
1,2-Dichloroethane
Concen: 5.087 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055750.D
Acq: 23 May 2019 13:12

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.8	0.0	20.2	





#43

Isopropyl Acetate

Concen: 4.900 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

Instrument :

MSVOA_N

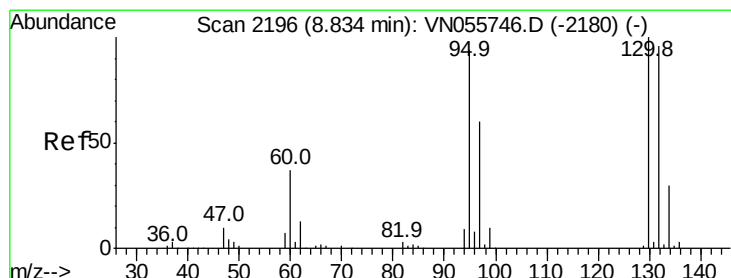
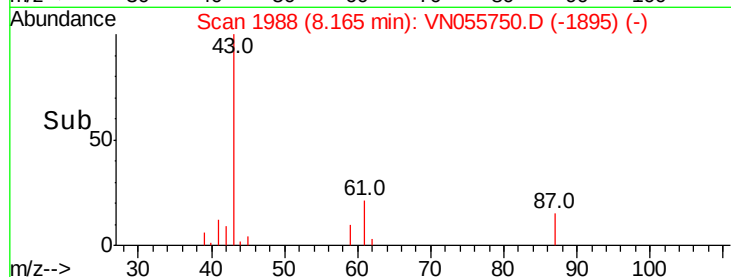
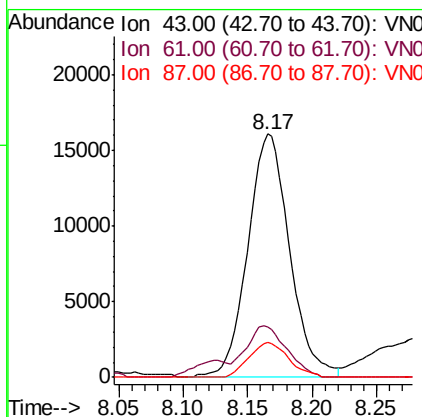
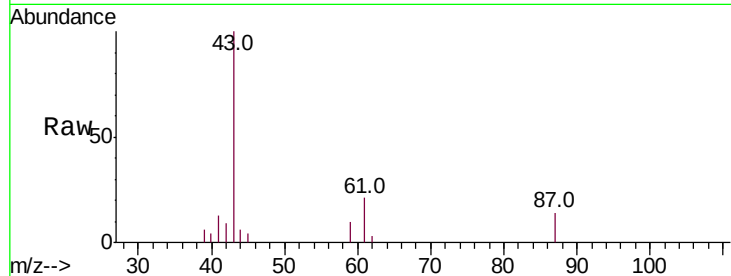
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	36438
Ion Ratio	Lower	Upper	
43	100		
61	20.5	22.2	33.4#
87	13.5	11.4	17.2

Manual Integrations
APPROVED

MMDadoda
5/24/2019 9:22:20 AM



#44

Trichloroethene

Concen: 4.991 ug/l

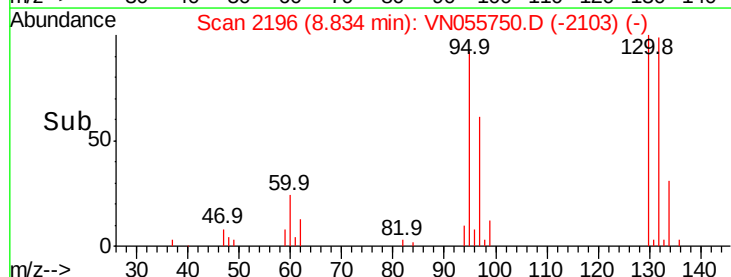
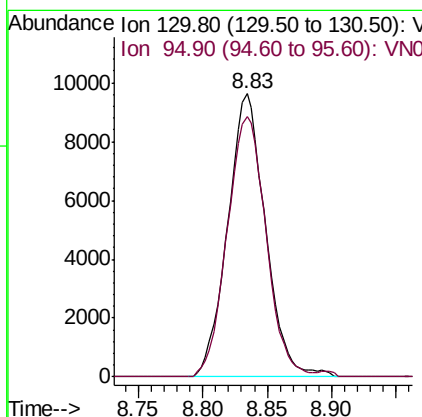
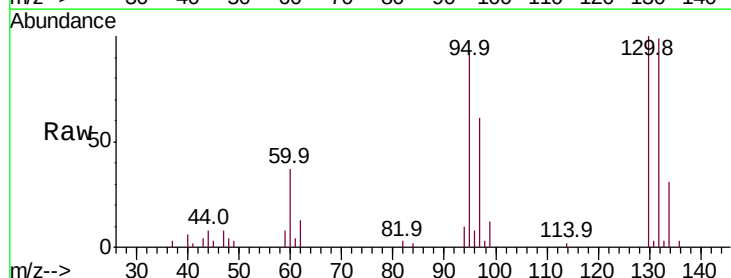
RT: 8.83 min Scan# 2196

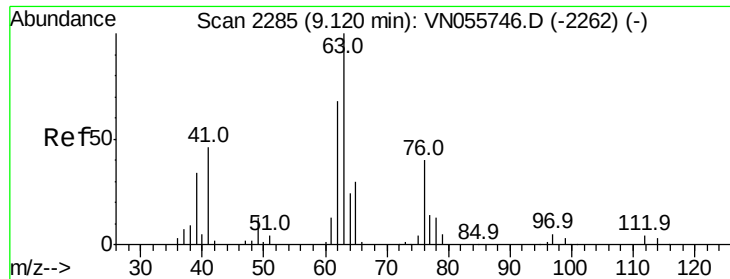
Delta R.T. 0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

Tgt Ion:	130	Resp:	19608
Ion Ratio	Lower	Upper	
130	100		
95	91.9	0.0	188.0





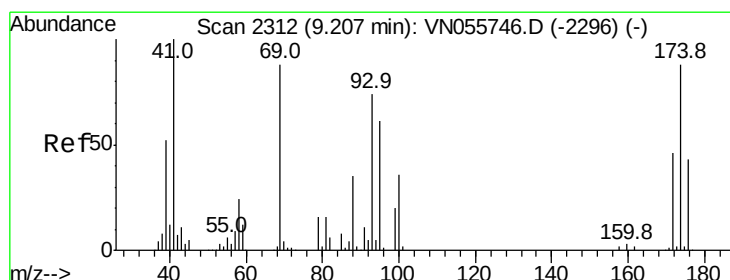
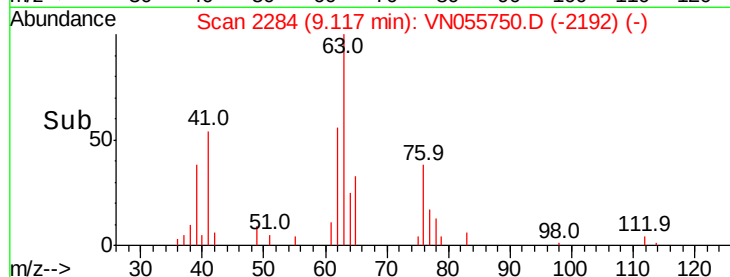
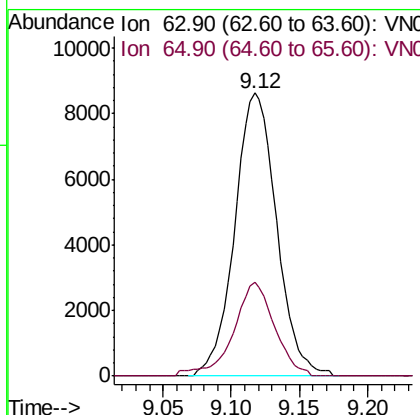
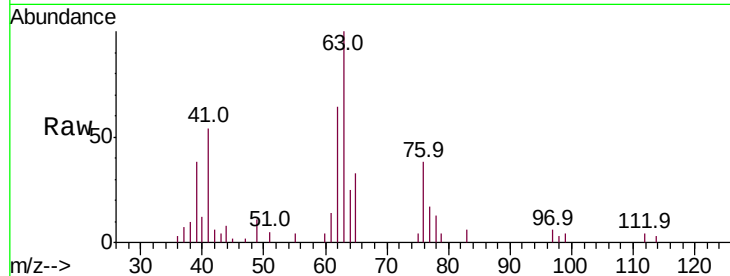
#45
 1,2-Dichloropropane
 Concen: 5.020 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055750.D
 Acq: 23 May 2019 13:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 18411
 Ion Ratio Lower Upper
 63 100
 65 33.2 24.6 36.8

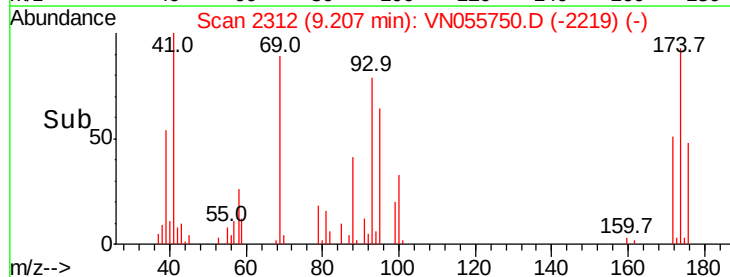
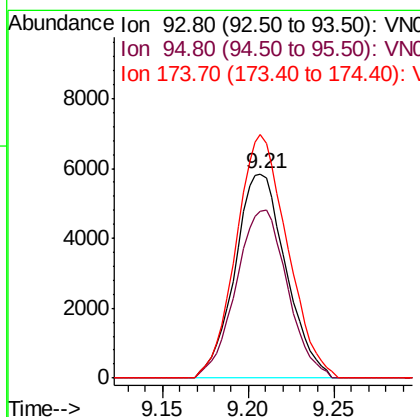
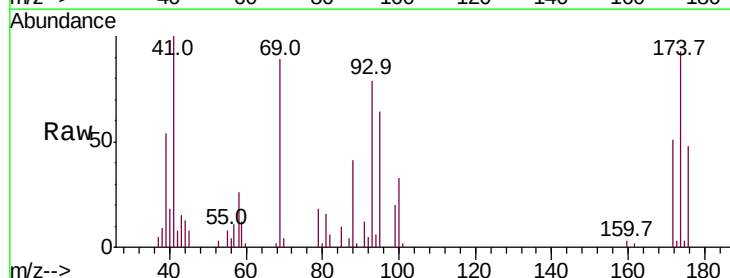
Manual Integrations
 APPROVED

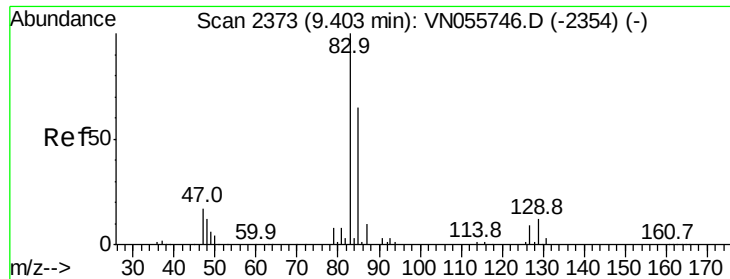
MMDadoda
 5/24/2019 9:22:20 AM



#46
 Dibromomethane
 Concen: 4.999 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055750.D
 Acq: 23 May 2019 13:12

Tgt Ion: 93 Resp: 12017
 Ion Ratio Lower Upper
 93 100
 95 82.8 66.7 100.1
 174 119.7 96.4 144.6





#47

Bromodichloromethane

Concen: 4.726 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

Instrument :

MSVOA_N

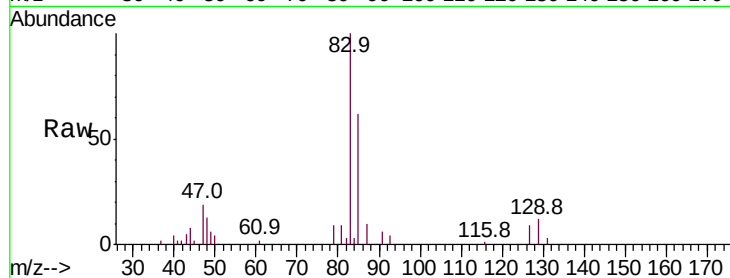
ClientSampleId :

VSTDIC005

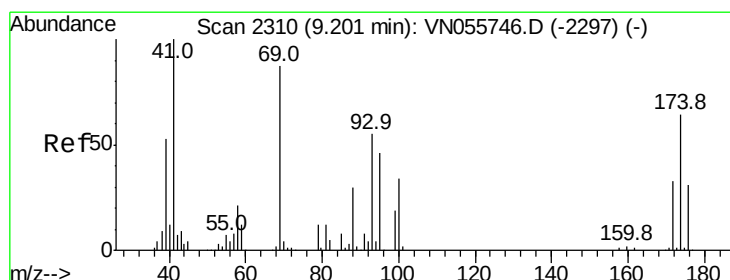
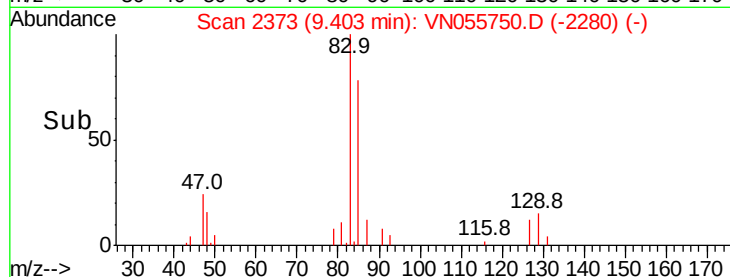
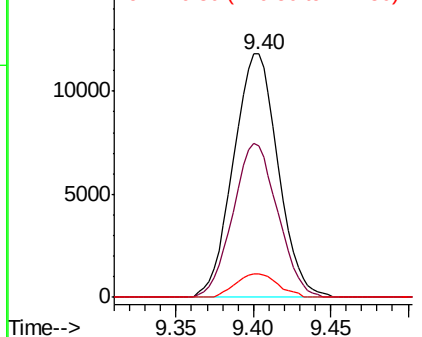
Tot Ion:	83	Resp:	23715
Ion	Ratio	Lower	Upper
83	100		
85	62.4	52.2	78.2
127	9.4	7.4	11.0

Manual Integrations
APPROVED

MMDadoda
5/24/2019 9:22:20 AM



Abundance Ion 82.90 (82.60 to 83.60): VN055750.D (-2280) (-)



#48

Methyl methacrylate

Concen: 4.846 ug/l

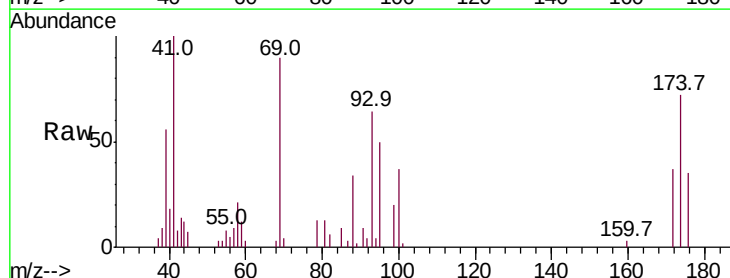
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

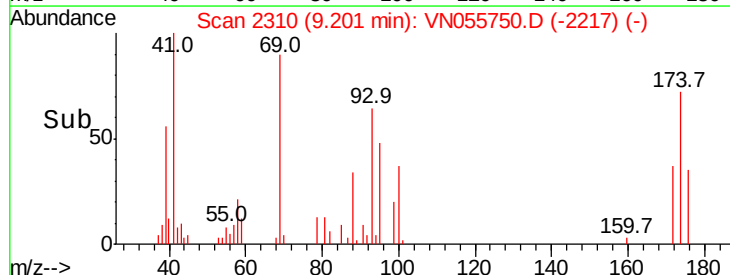
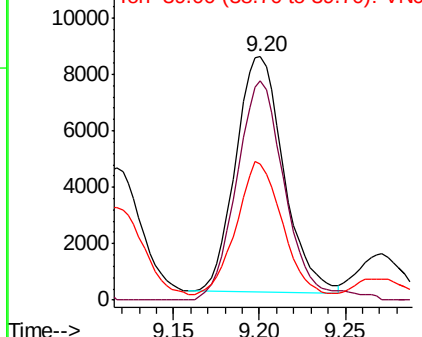
Lab File: VN055750.D

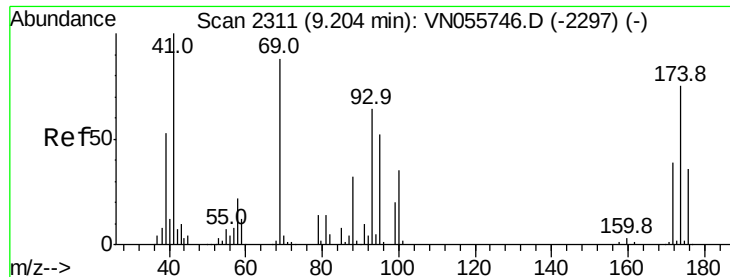
Acq: 23 May 2019 13:12

Tgt Ion:	41	Resp:	16144
Ion	Ratio	Lower	Upper
41	100		
69	94.6	71.0	106.6
39	59.0	44.2	66.2



Abundance Ion 41.00 (40.70 to 41.70): VN055750.D (-2217) (-)





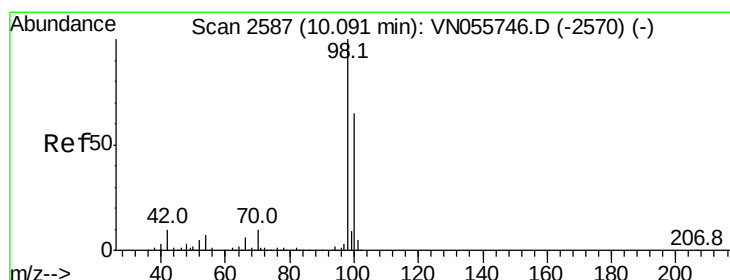
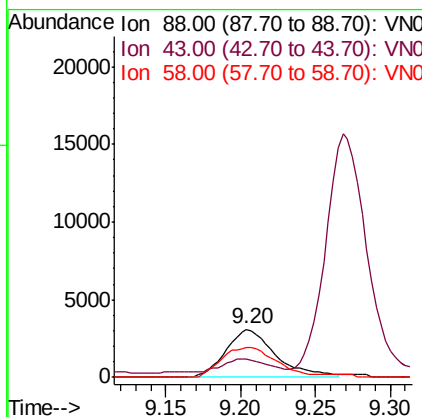
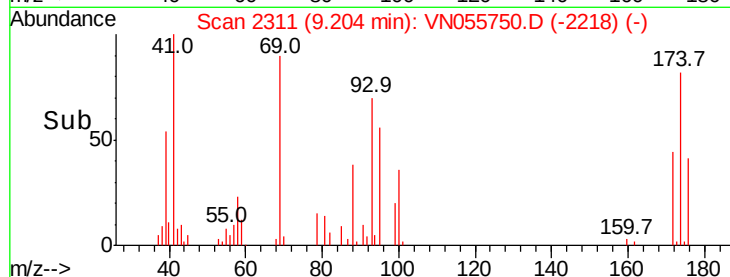
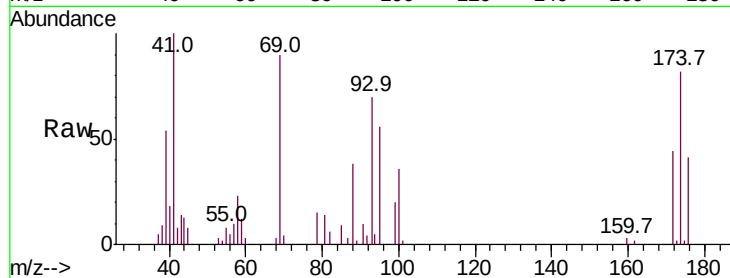
#49
 1,4-Dioxane
 Concen: 108.873 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN055750.D
 Acq: 23 May 2019 13:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	24.3	20.5	30.7
58	69.2	55.8	83.6

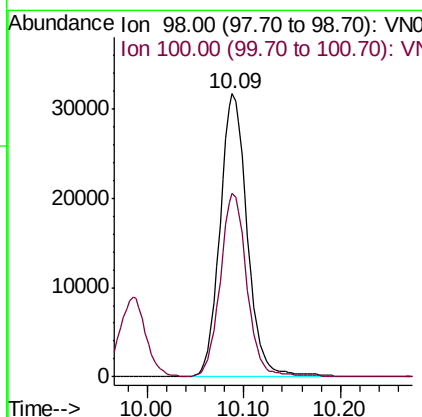
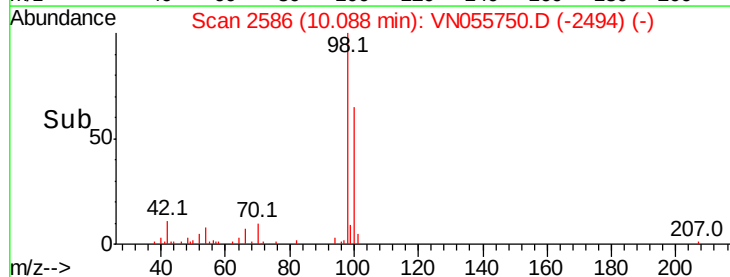
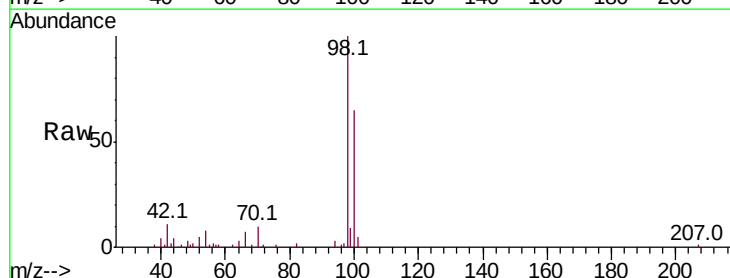
Manual Integrations
 APPROVED

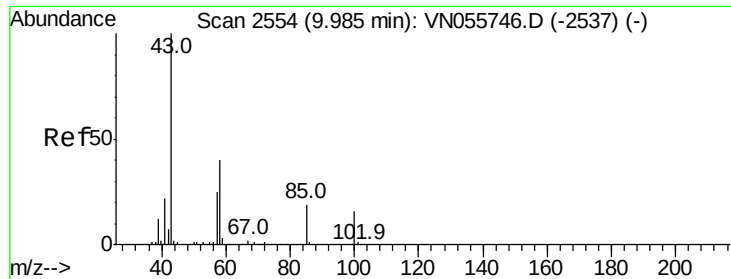
MMDadoda
 5/24/2019 9:22:20 AM



#50
 Toluene-d8
 Concen: 4.853 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. -0.00 min
 Lab File: VN055750.D
 Acq: 23 May 2019 13:12

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.2	51.9	77.9





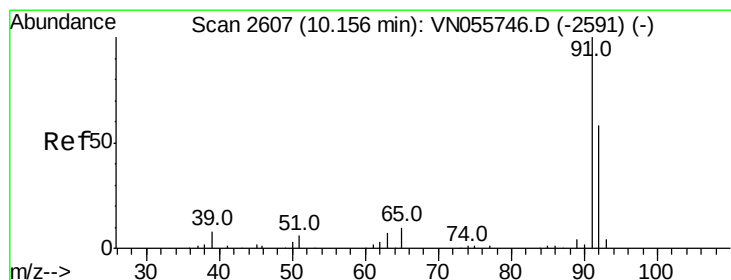
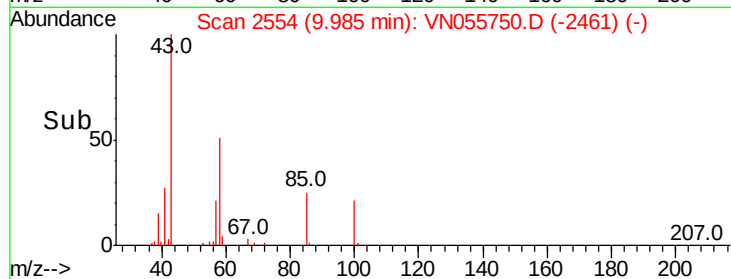
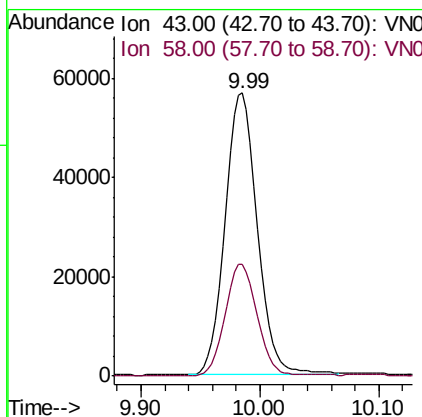
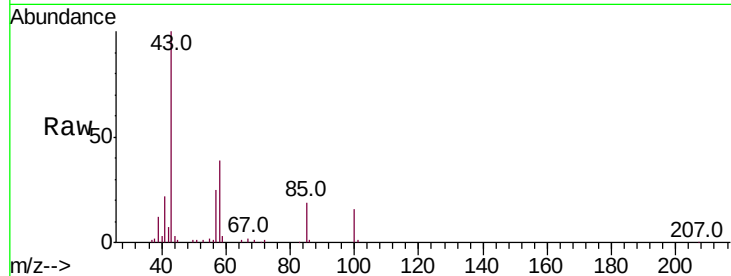
#51
4-Methyl-2-Pentanone
Concen: 24.289 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN055750.D
Acq: 23 May 2019 13:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	43	58	Ratio	100	39.8	Resp	106717	Lower	Upper
Ion	43	58	Ratio	100	39.8	Resp	106717	Lower	Upper
								32.1	48.1

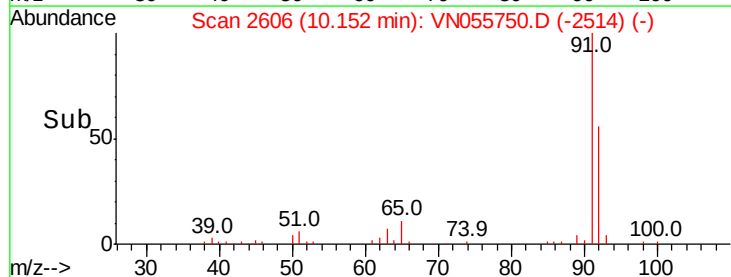
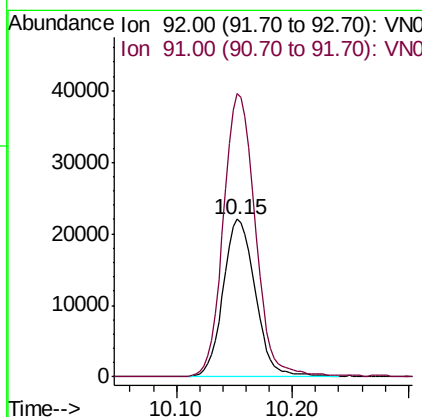
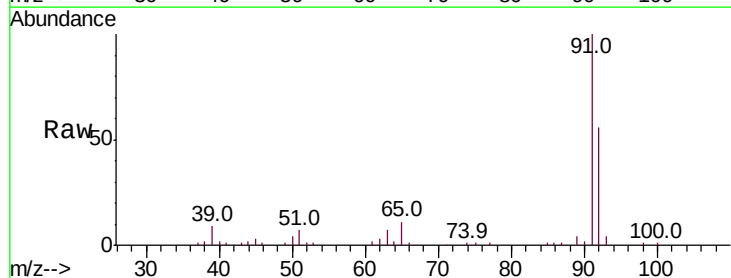
Manual Integrations
APPROVED

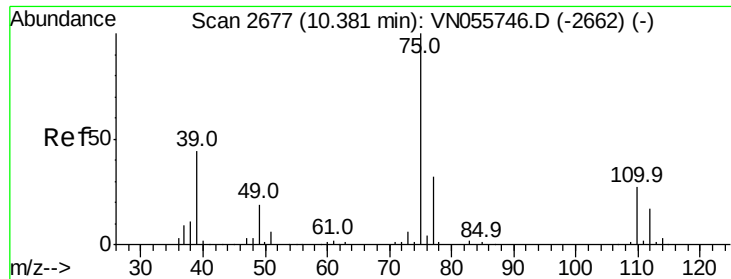
MMDadoda
5/24/2019 9:22:20 AM



#52
Toluene
Concen: 4.832 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. -0.00 min
Lab File: VN055750.D
Acq: 23 May 2019 13:12

Tgt Ion	92	91	Ratio	100	178.3	Resp	42341	Lower	Upper
Ion	92	91	Ratio	100	178.3	Resp	42341	Lower	Upper
								139.4	209.2





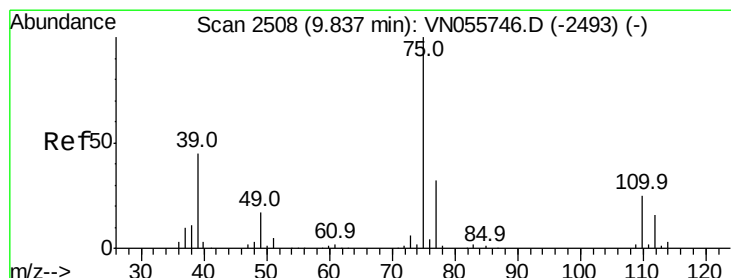
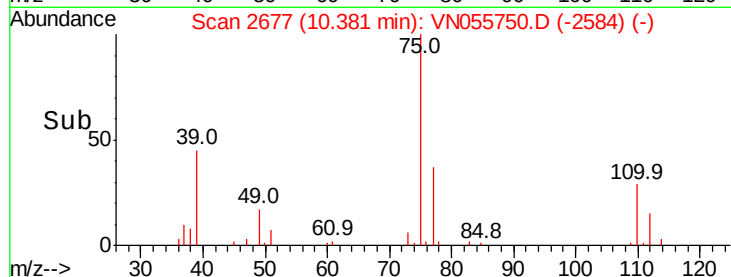
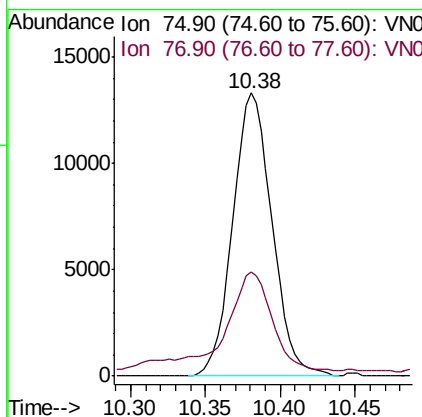
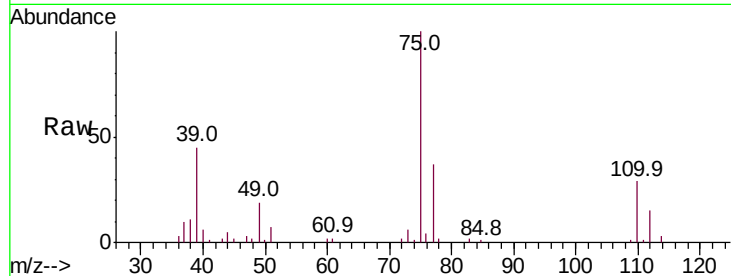
#53
 t-1,3-Dichloropropene
 Concen: 4.513 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN055750.D
 Acq: 23 May 2019 13:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 75 Resp: 24326
 Ion Ratio Lower Upper
 75 100
 77 34.9 25.8 38.6

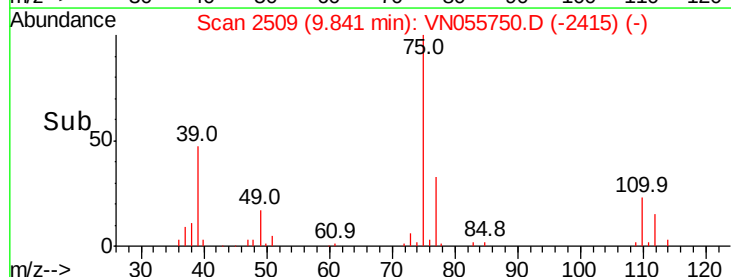
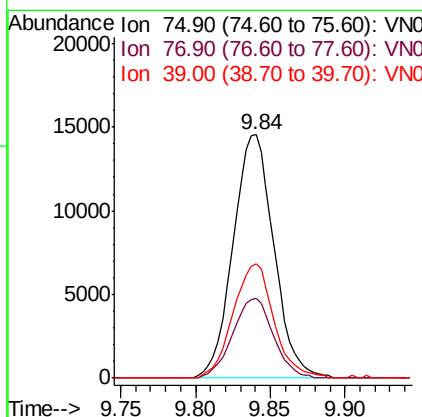
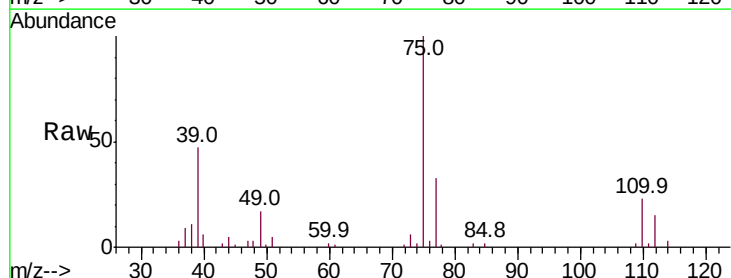
Manual Integrations
 APPROVED

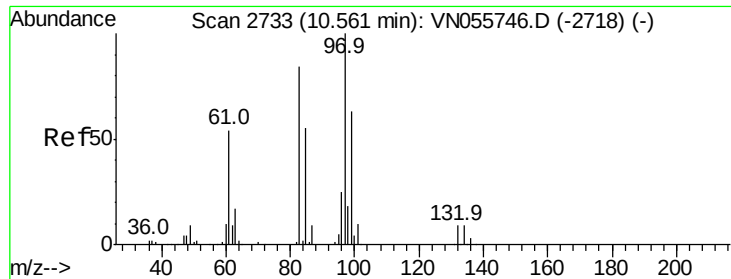
MMDadoda
 5/24/2019 9:22:20 AM



#54
 cis-1,3-Dichloropropene
 Concen: 4.675 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN055750.D
 Acq: 23 May 2019 13:12

Tgt Ion: 75 Resp: 27618
 Ion Ratio Lower Upper
 75 100
 77 32.8 25.4 38.0
 39 47.1 36.3 54.5





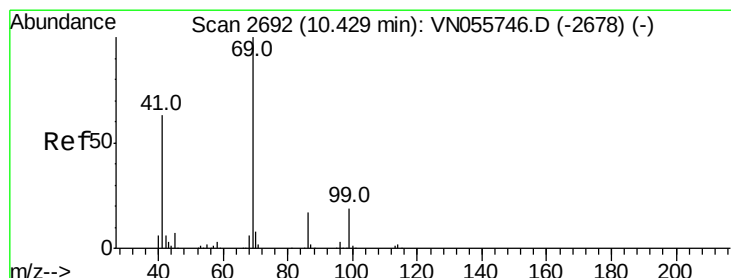
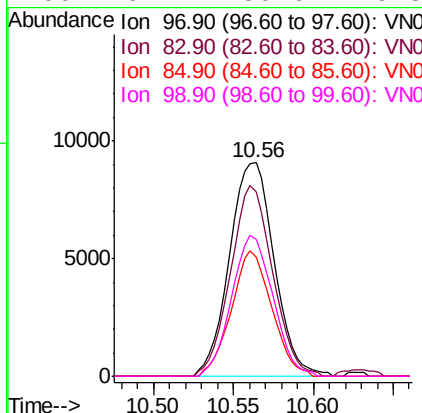
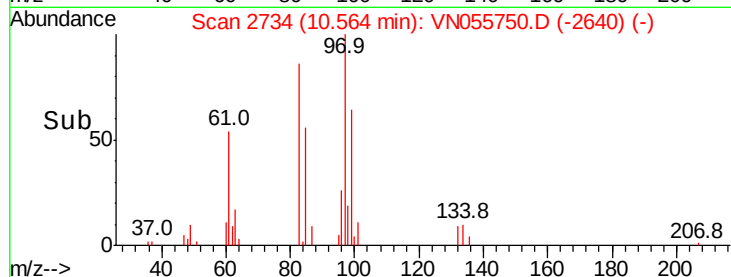
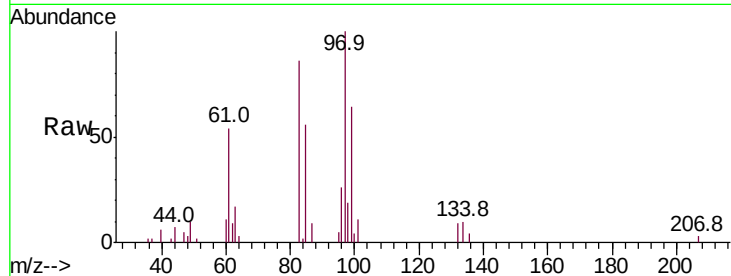
#55
 1,1,2-Trichloroethane
 Concen: 4.808 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN055750.D
 Acq: 23 May 2019 13:12

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion:	97	Resp:	17325
Ion	Ratio	Lower	Upper
97	100		
83	86.1	67.0	100.6
85	55.8	44.0	66.0
99	64.4	50.6	75.8

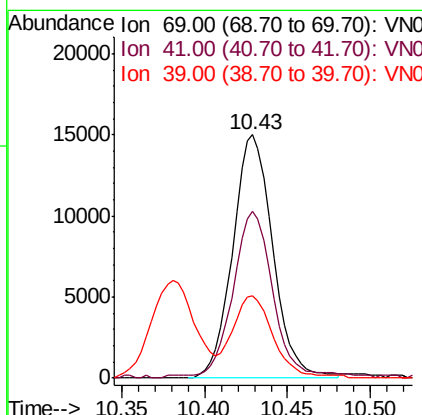
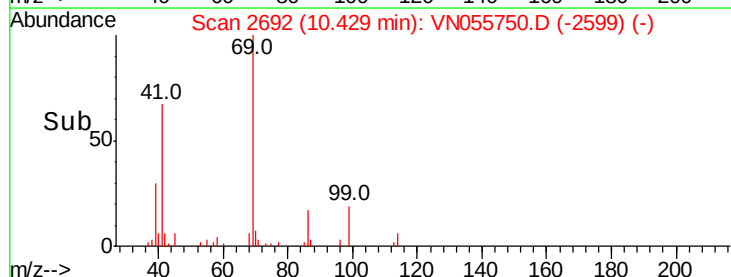
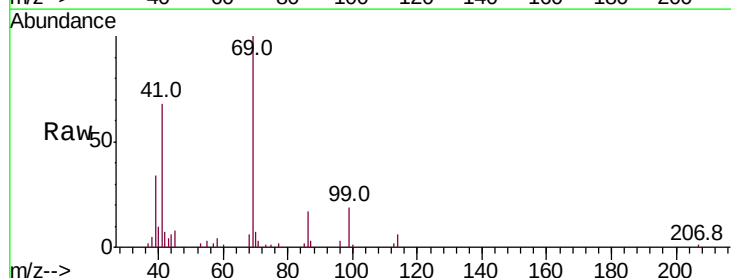
Manual Integrations
 APPROVED

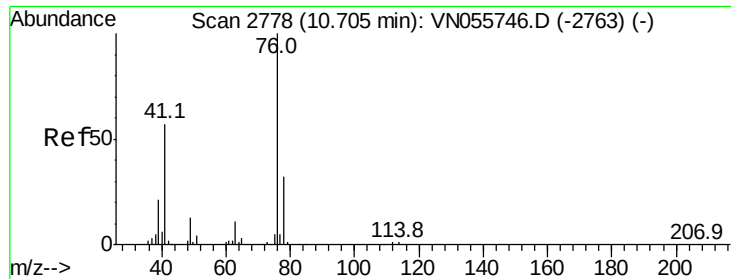
MMDadoda
 5/24/2019 9:22:20 AM



#56
 Ethyl methacrylate
 Concen: 4.479 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055750.D
 Acq: 23 May 2019 13:12

Tgt Ion:	69	Resp:	25209
Ion	Ratio	Lower	Upper
69	100		
41	69.9	49.7	74.5
39	32.1	24.7	37.1





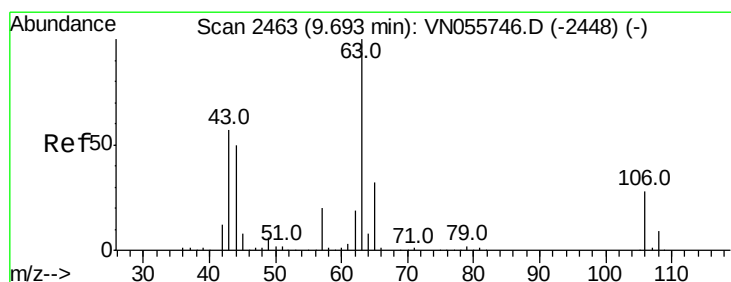
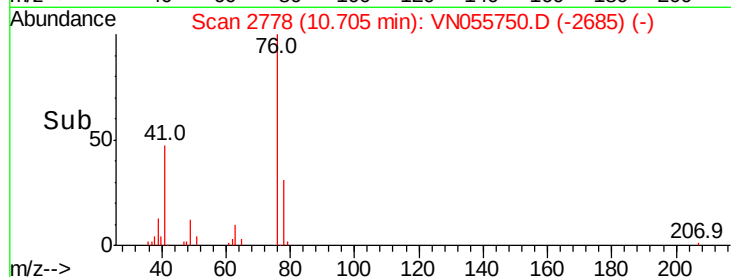
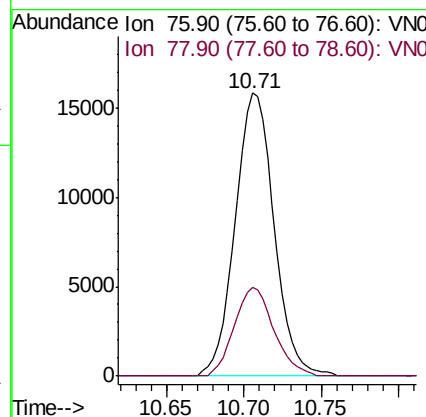
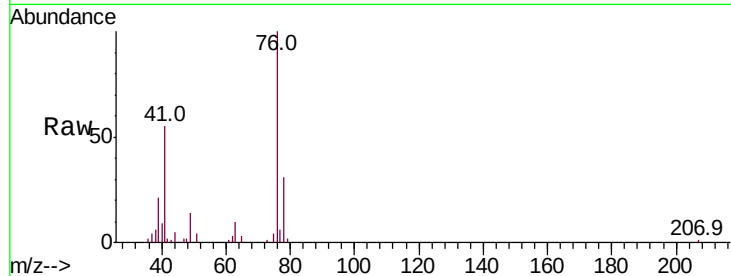
#57
 1,3-Dichloropropane
 Concen: 4.846 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN055750.D
 Acq: 23 May 2019 13:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 76 Resp: 27609
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.8 38.6

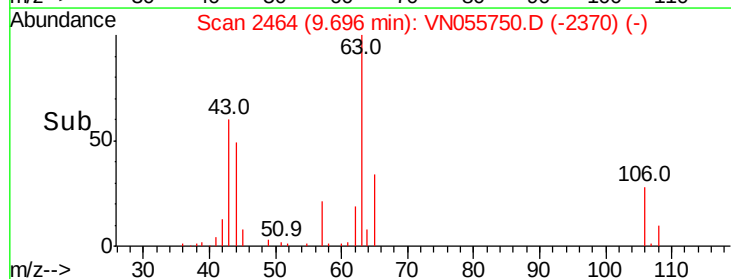
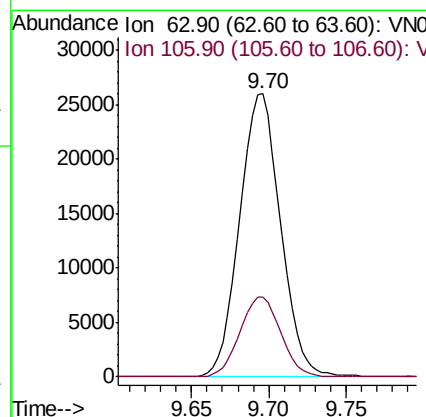
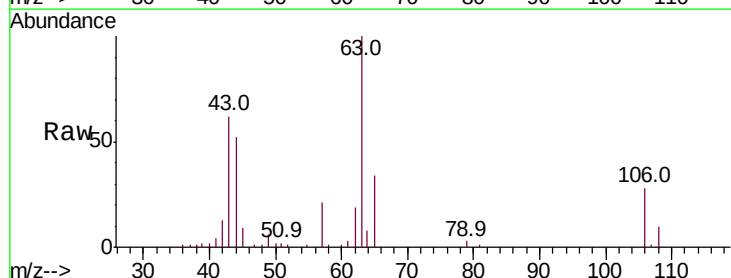
Manual Integrations
 APPROVED

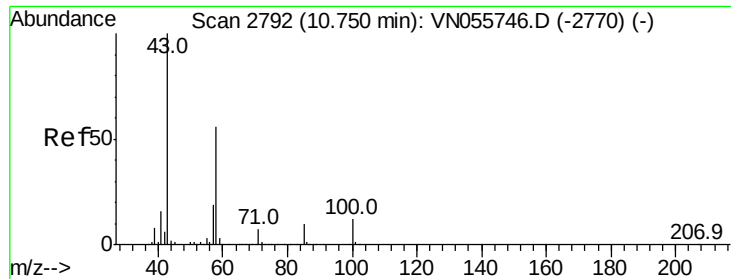
MMDadoda
 5/24/2019 9:22:20 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 20.487 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055750.D
 Acq: 23 May 2019 13:12

Tgt Ion: 63 Resp: 47875
 Ion Ratio Lower Upper
 63 100
 106 28.0 22.7 34.1





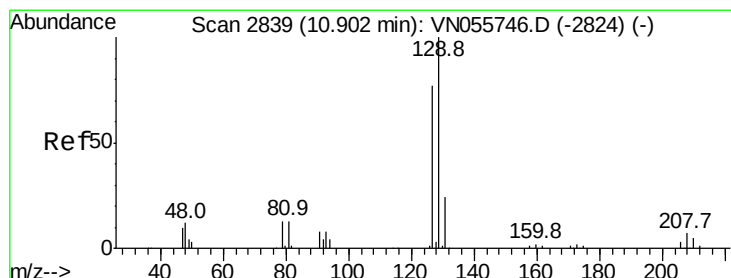
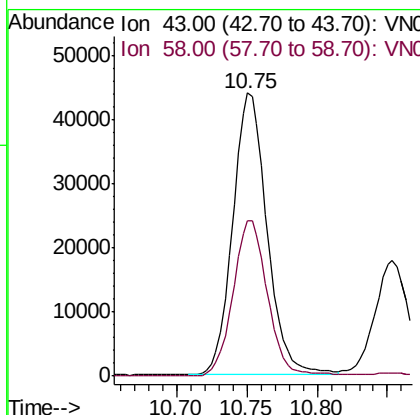
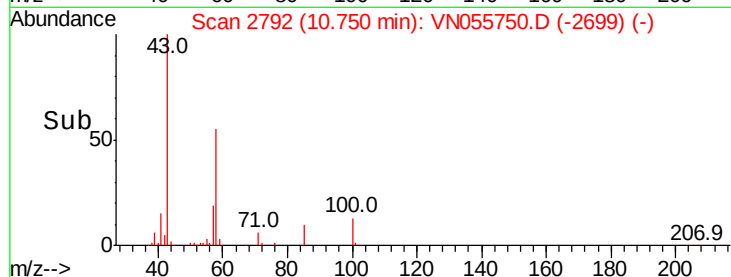
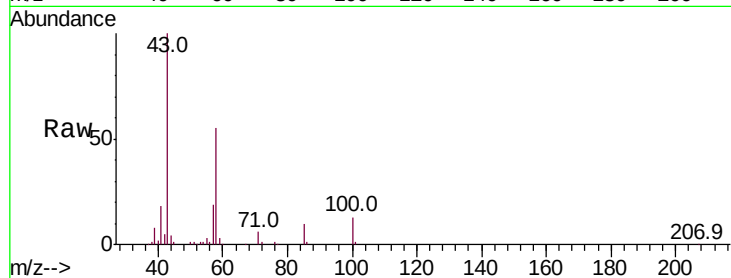
#59
2-Hexanone
Concen: 24.229 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055750.D
Acq: 23 May 2019 13:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 74814
Ion Ratio Lower Upper
43 100
58 55.5 28.2 84.7

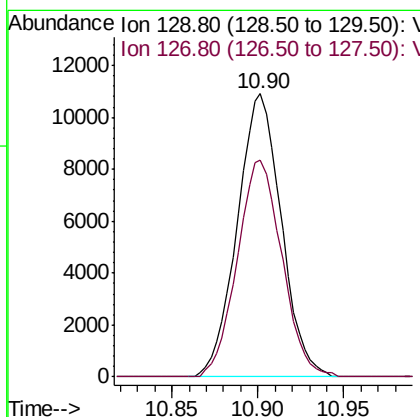
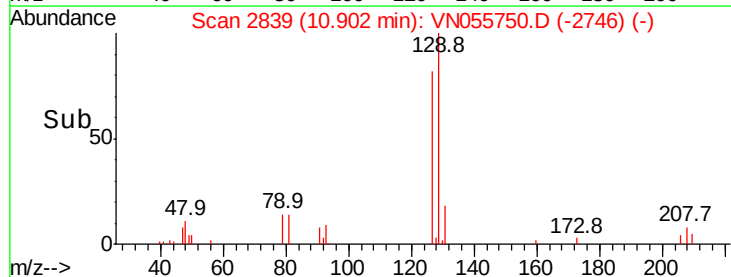
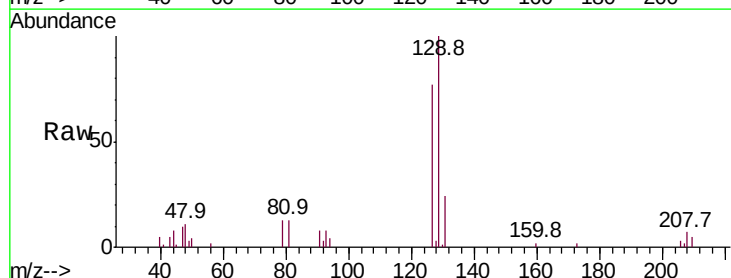
Manual Integrations
APPROVED

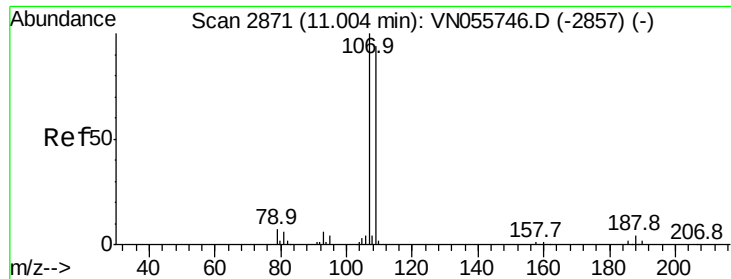
MMDadoda
5/24/2019 9:22:20 AM



#60
Dibromochloromethane
Concen: 4.746 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055750.D
Acq: 23 May 2019 13:12

Tgt Ion: 129 Resp: 19386
Ion Ratio Lower Upper
129 100
127 77.6 38.1 114.3





#61

1,2-Dibromoethane

Concen: 4.859 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:107 Resp: 17535

Ion Ratio Lower Upper

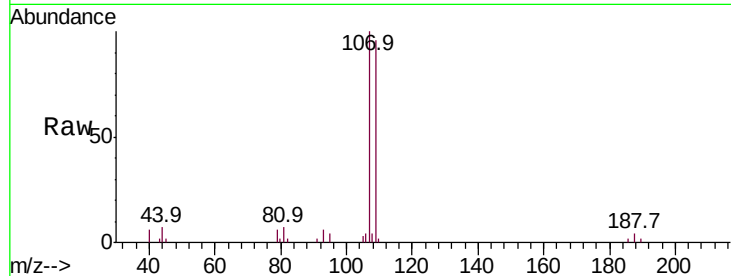
107 100

109 95.0 74.8 112.2

Manual Integrations
APPROVED

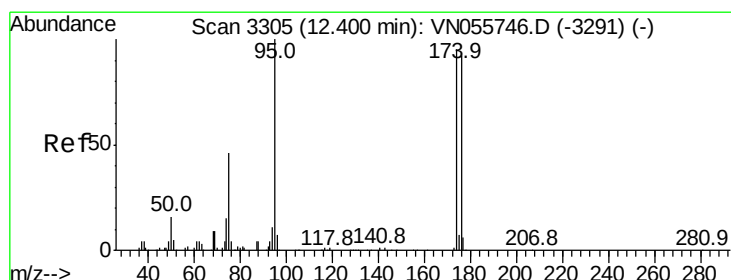
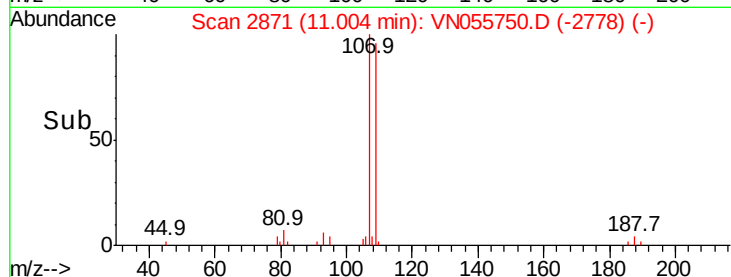
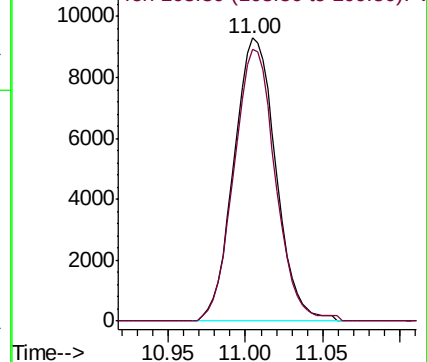
MMDadoda

5/24/2019 9:22:20 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 4.461 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

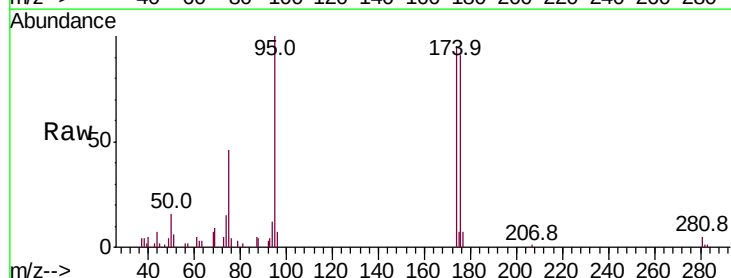
Tgt Ion: 95 Resp: 19691

Ion Ratio Lower Upper

95 100

174 96.3 0.0 191.0

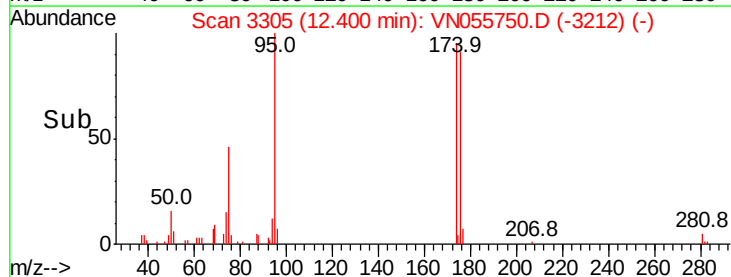
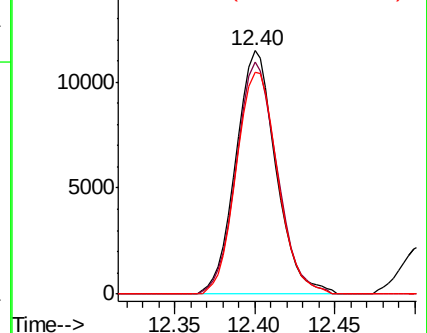
176 93.5 0.0 185.2

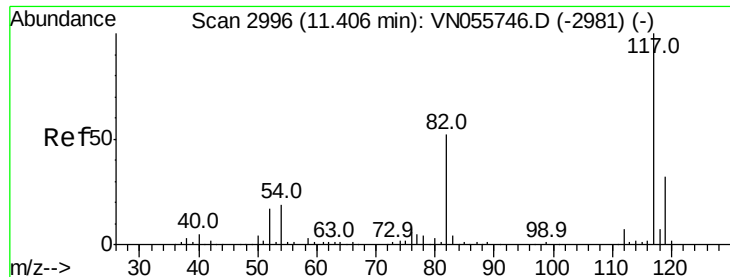


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





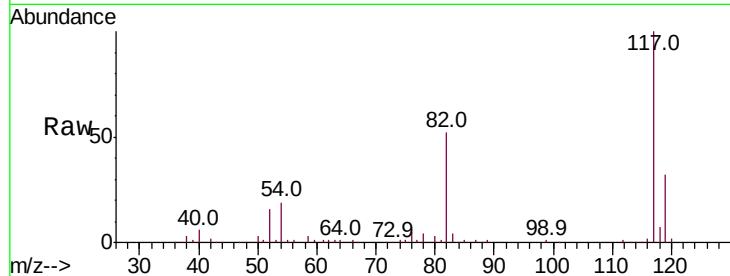
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055750.D
Acq: 23 May 2019 13:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.4	41.8	62.8
119	31.9	25.4	38.0

Manual Integrations
APPROVED

MMDadoda
5/24/2019 9:22:20 AM

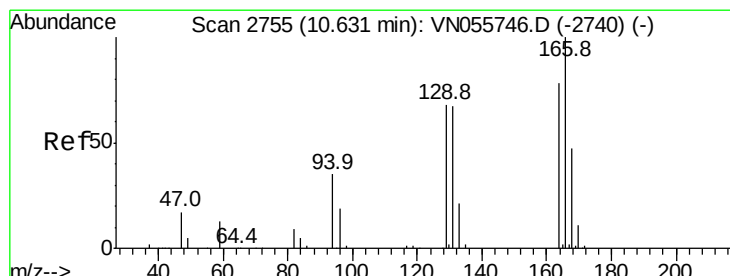
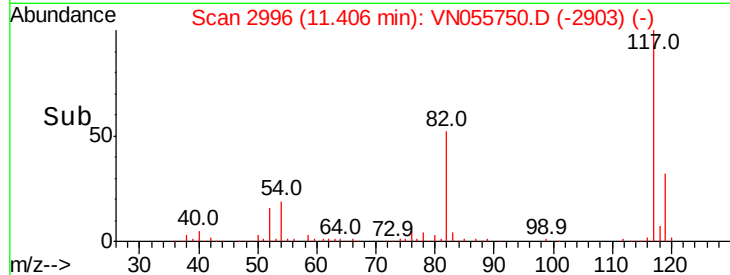
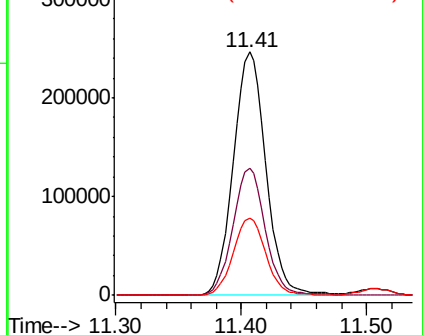


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 5.559 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN055750.D
Acq: 23 May 2019 13:12

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.2	103.0	154.6
129	90.6	70.6	105.8
131	87.2	68.6	102.8

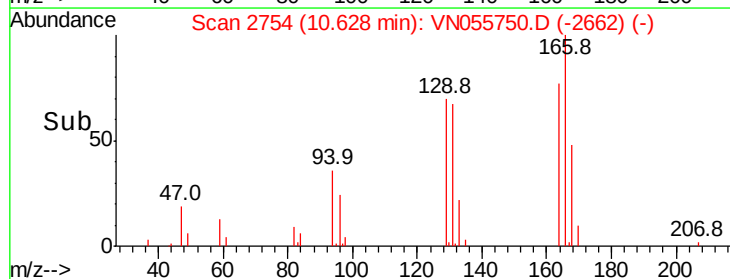
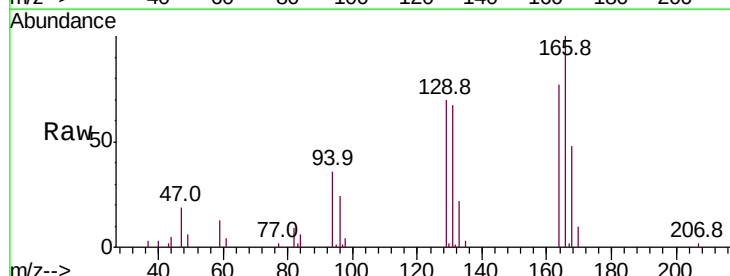
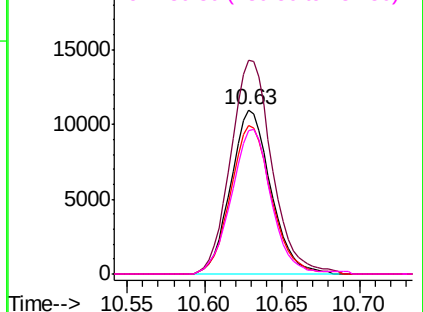
Abundance

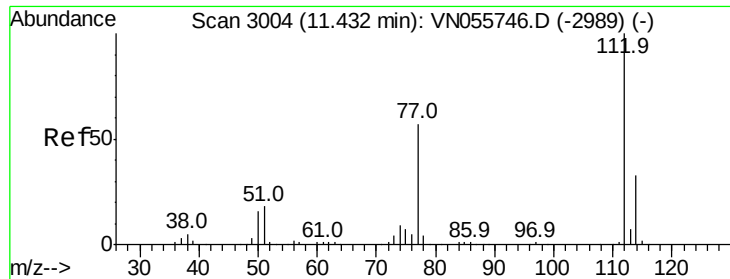
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





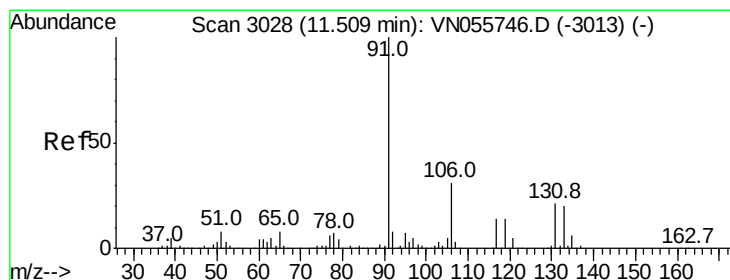
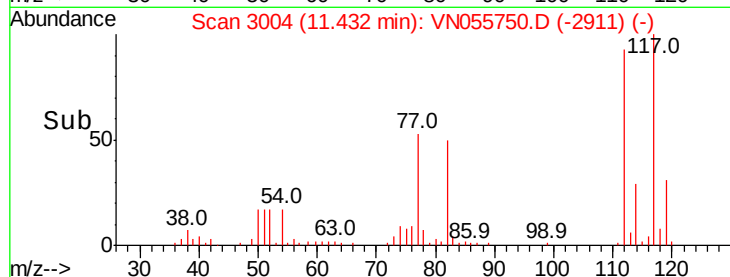
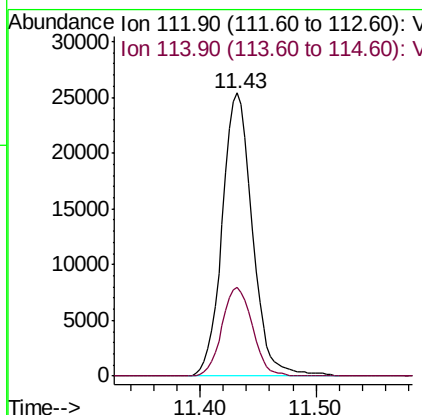
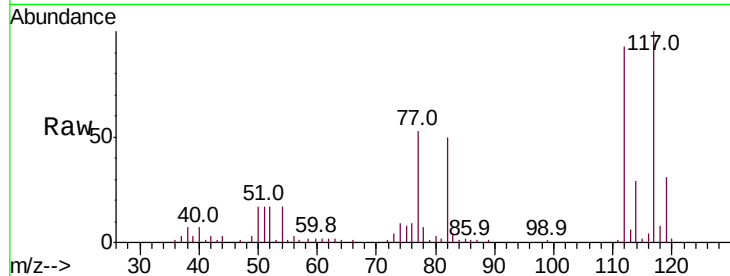
#65
Chlorobenzene
Concen: 5.077 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055750.D
Acq: 23 May 2019 13:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 45674
Ion Ratio Lower Upper
112 100
114 31.3 26.2 39.4

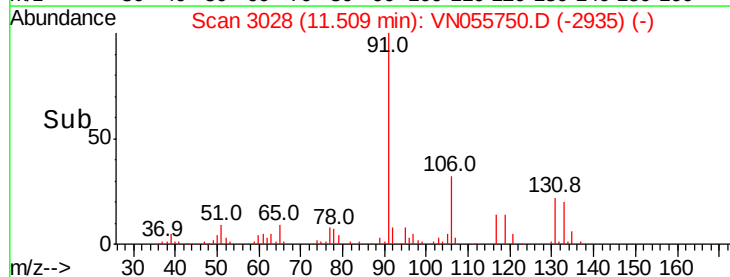
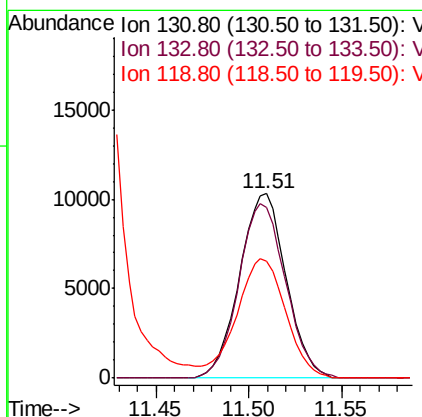
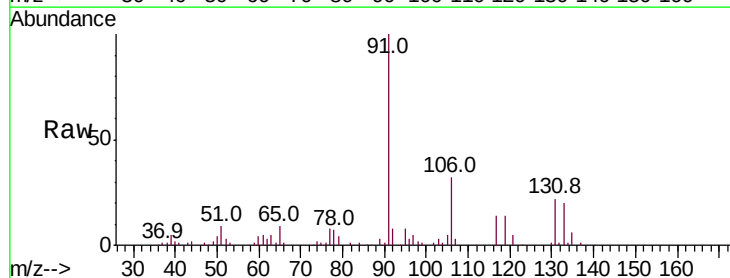
Manual Integrations
APPROVED

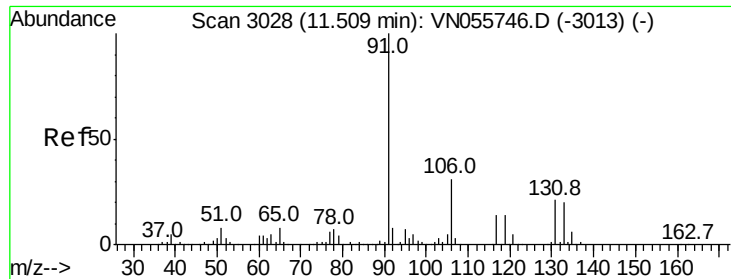
MMDadoda
5/24/2019 9:22:20 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 4.971 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055750.D
Acq: 23 May 2019 13:12

Tgt Ion:131 Resp: 17969
Ion Ratio Lower Upper
131 100
133 95.1 48.0 144.0
119 68.0 33.1 99.5





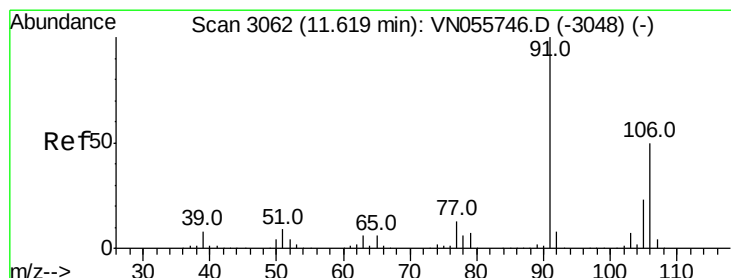
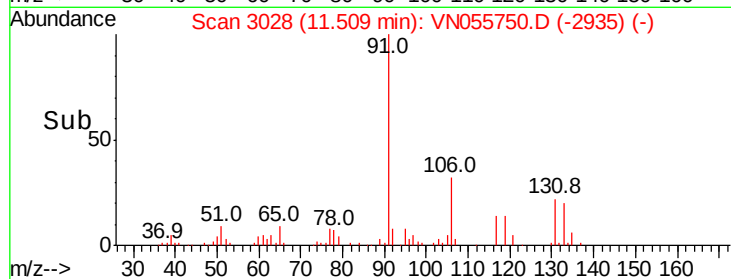
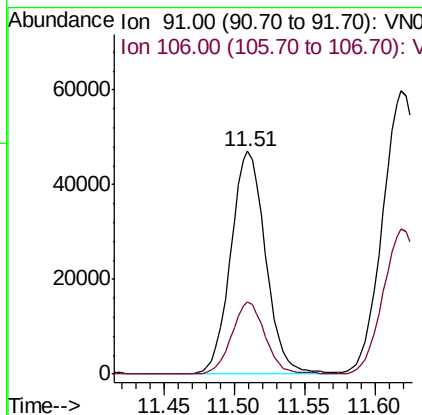
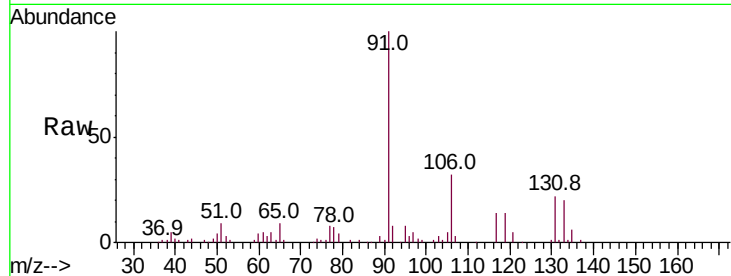
#67
Ethyl Benzene
Concen: 5.068 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055750.D
Acq: 23 May 2019 13:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 81427
Ion Ratio Lower Upper
91 100
106 32.3 25.1 37.7

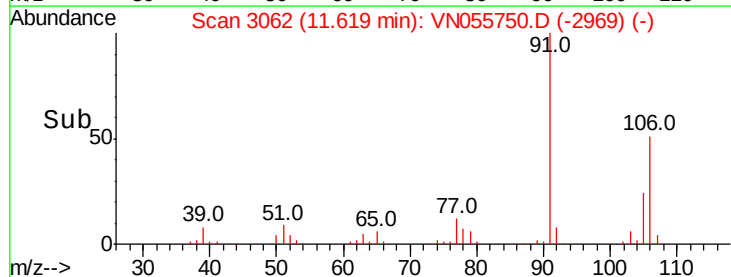
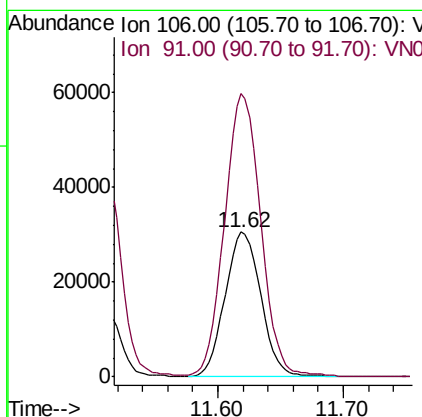
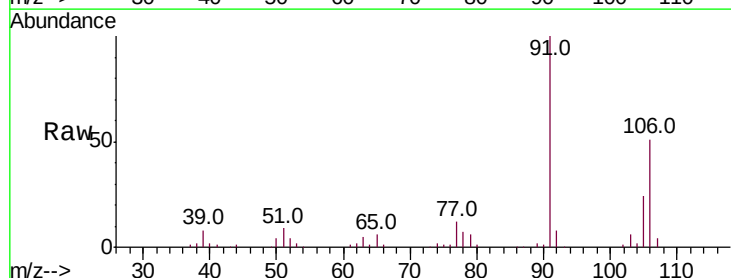
Manual Integrations
APPROVED

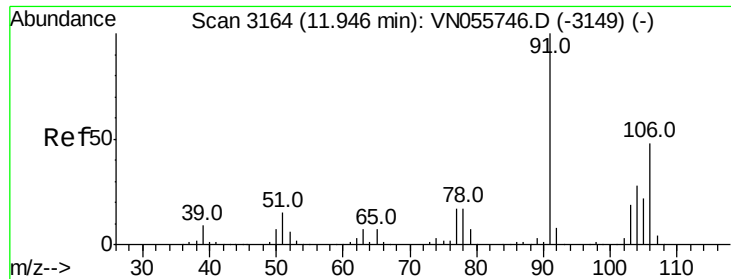
MMDadoda
5/24/2019 9:22:20 AM



#68
m/p-Xylenes
Concen: 10.028 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055750.D
Acq: 23 May 2019 13:12

Tgt Ion: 106 Resp: 60847
Ion Ratio Lower Upper
106 100
91 197.3 159.3 238.9





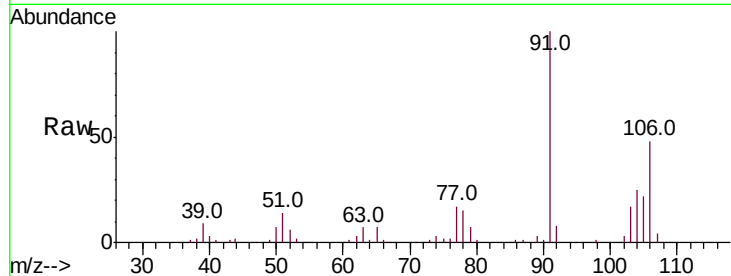
#69
o-Xylene
Concen: 4.973 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055750.D
Acq: 23 May 2019 13:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

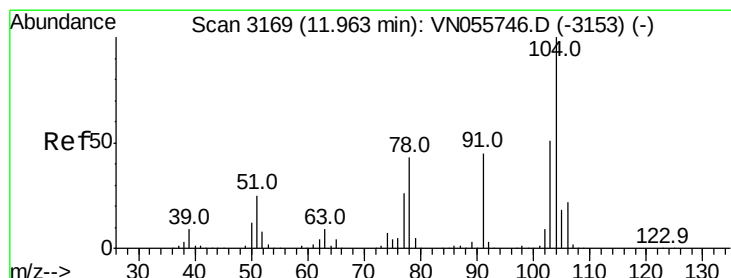
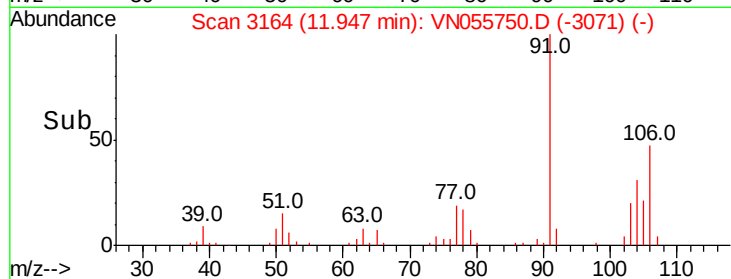
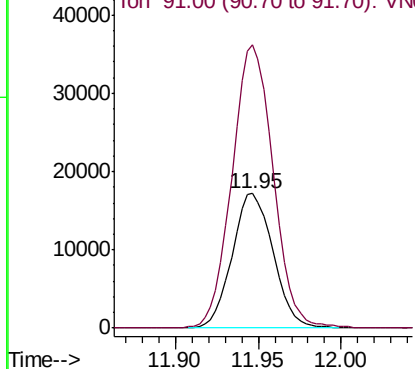
Tot Ion:106 Resp: 29605
Ion Ratio Lower Upper
106 100
91 211.3 104.7 314.1

Manual Integrations
APPROVED

MMDadoda
5/24/2019 9:22:20 AM

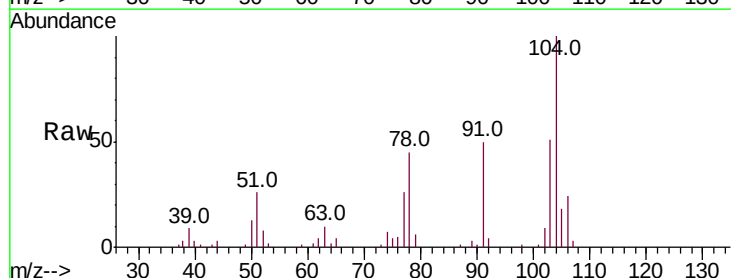


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

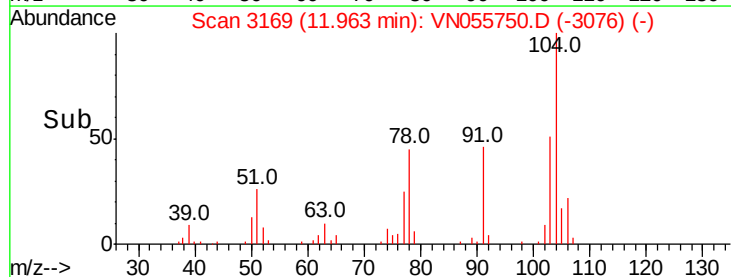
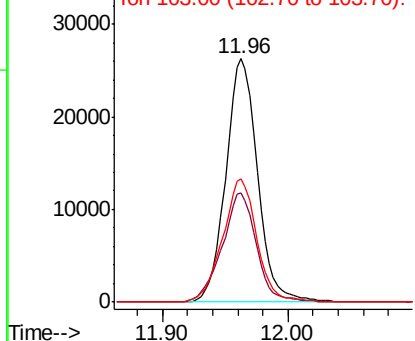


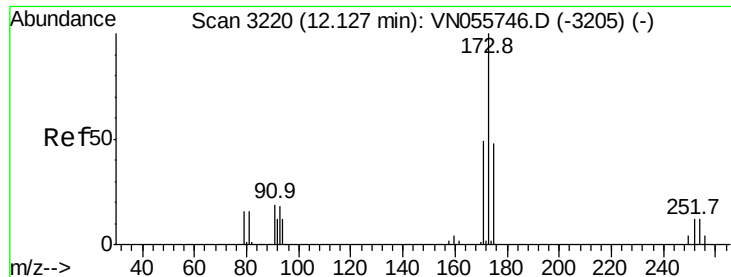
#70
Styrene
Concen: 4.658 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055750.D
Acq: 23 May 2019 13:12

Tgt Ion:104 Resp: 45980
Ion Ratio Lower Upper
104 100
78 48.4 37.8 56.6
103 54.5 44.2 66.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





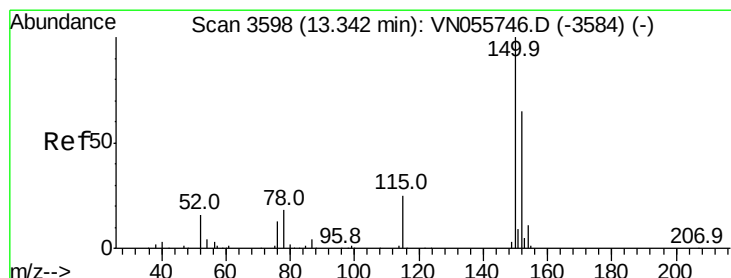
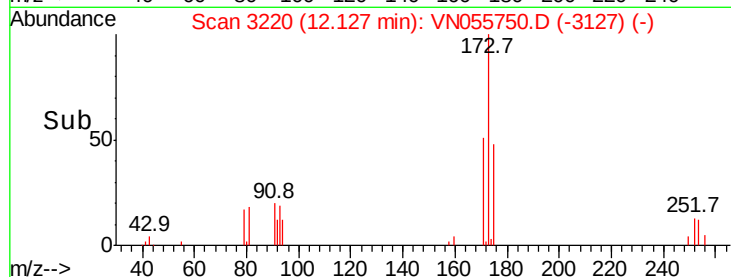
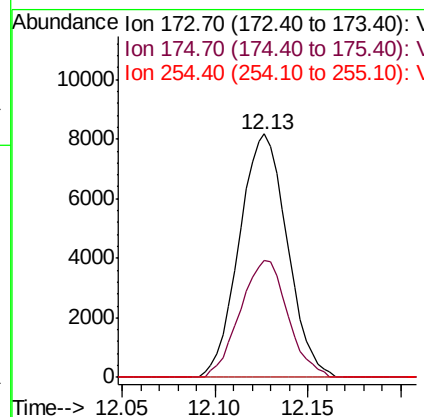
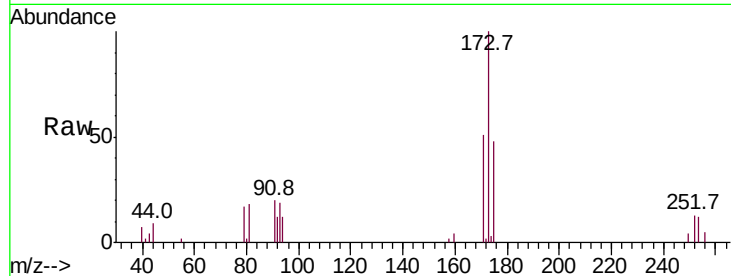
#71
Bromoform
Concen: 4.768 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055750.D
Acq: 23 May 2019 13:12

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.7	24.3	72.8
254	0.0	0.0	0.0

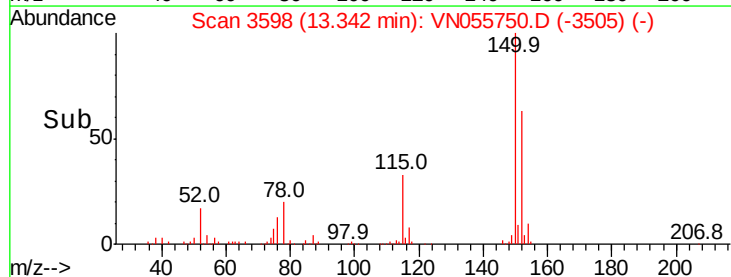
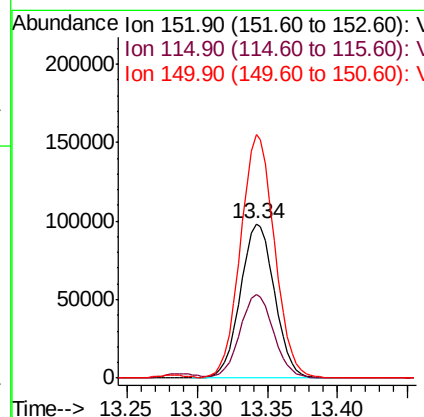
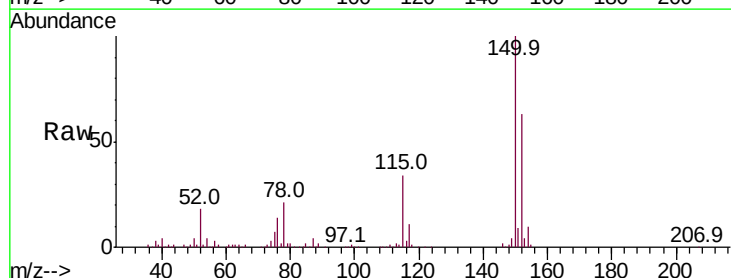
Manual Integrations
APPROVED

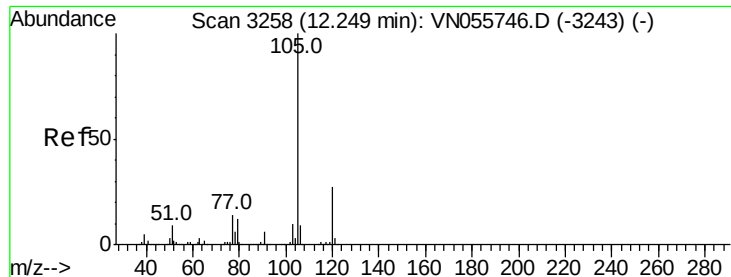
MMDadoda
5/24/2019 9:22:20 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055750.D
Acq: 23 May 2019 13:12

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.5	27.0	81.0
150	157.6	0.0	343.2





#73

Isopropylbenzene

Concen: 5.973 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion:105 Resp: 81416

Ion Ratio Lower Upper

105 100

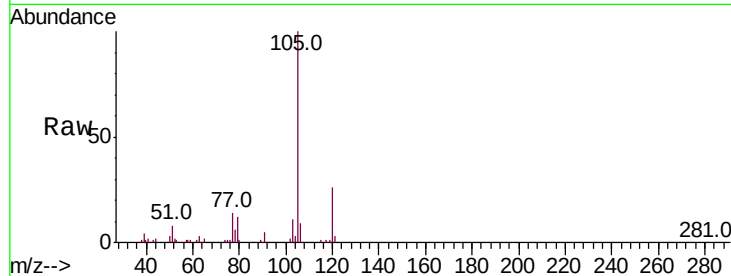
120 27.1 13.6 40.7

Manual Integrations

APPROVED

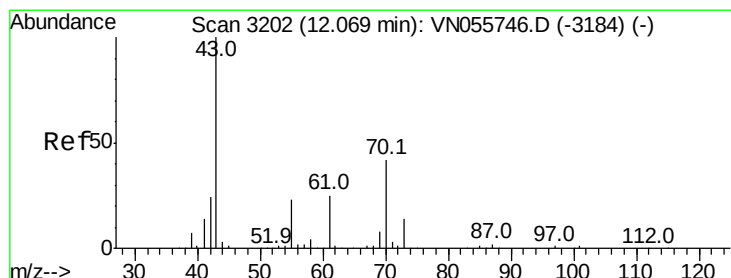
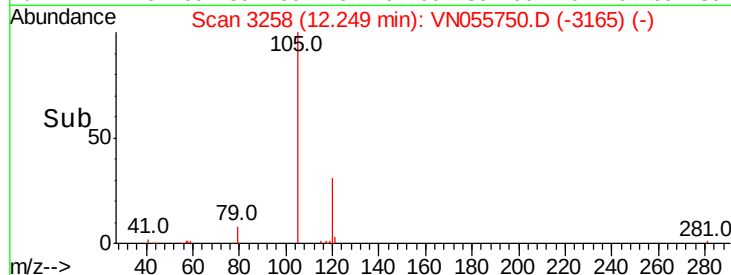
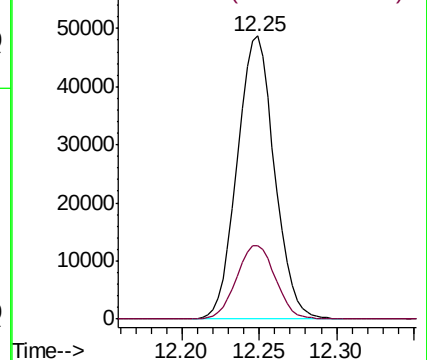
MMDadoda

5/24/2019 9:22:20 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: 6.009 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

Tgt Ion: 43 Resp: 28192

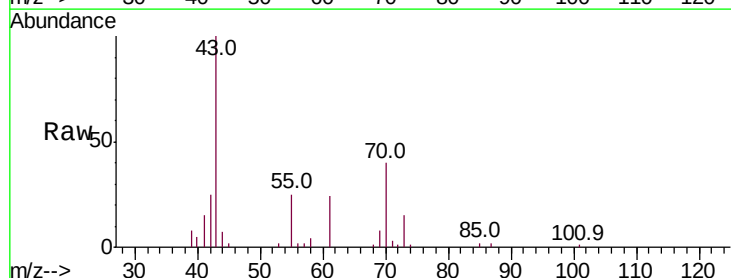
Ion Ratio Lower Upper

43 100

70 40.2 34.0 51.0

55 25.1 18.6 28.0

61 23.0 20.0 30.0

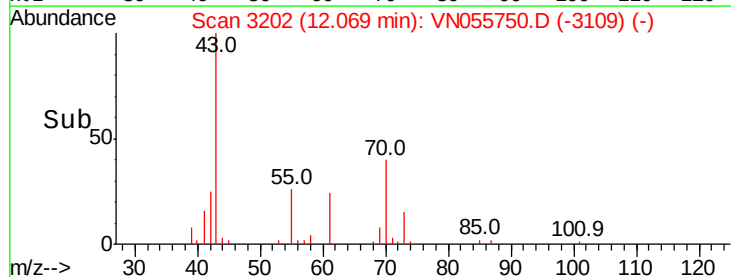
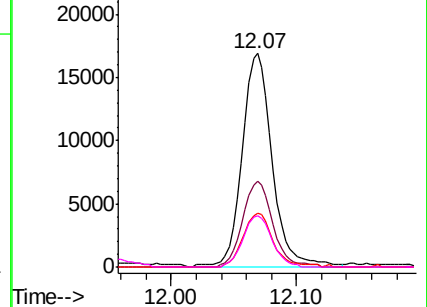


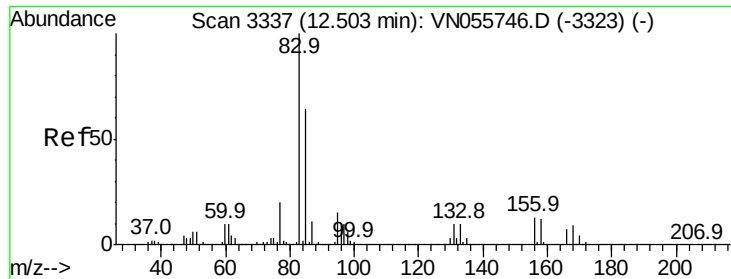
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 5.675 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

Instrument :

MSVOA_N

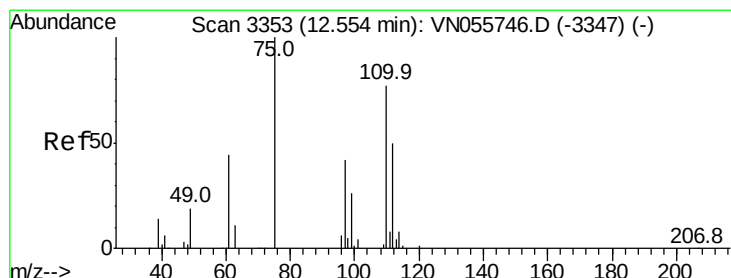
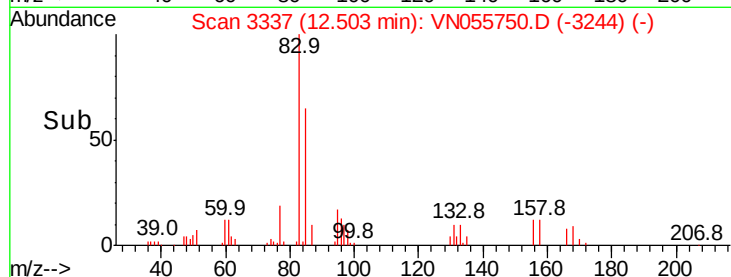
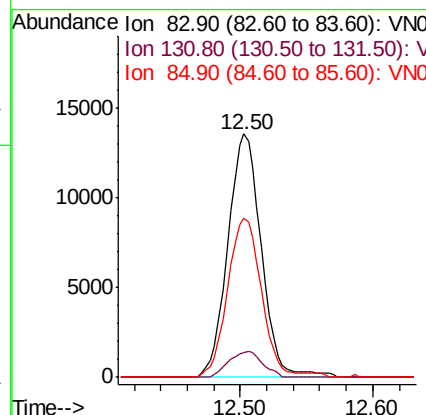
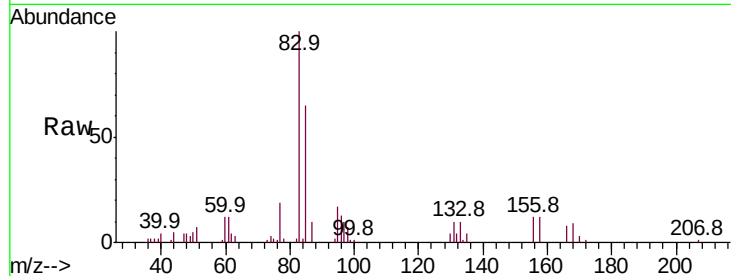
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	23818
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.4	16.2
85	65.9	32.4	97.0

Manual Integrations
APPROVED

MMDadoda
5/24/2019 9:22:20 AM



#76

1,2,3-Trichloropropane

Concen: 5.018 ug/l m

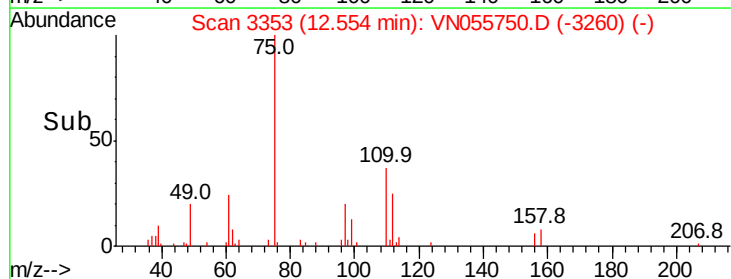
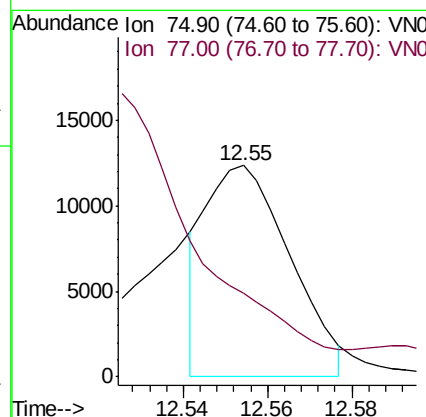
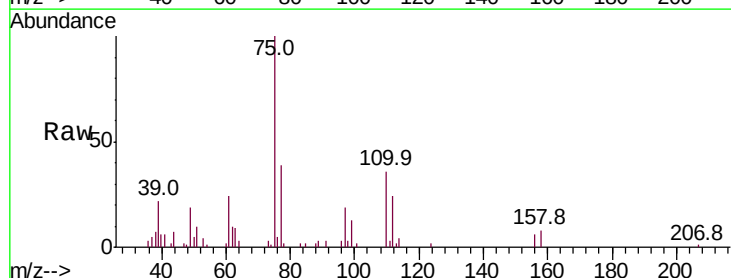
RT: 12.55 min Scan# 3353

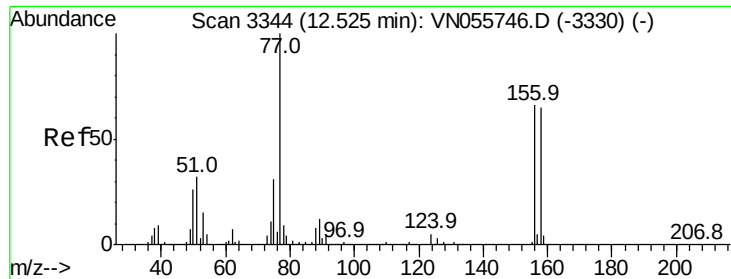
Delta R.T. 0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

Tgt Ion:	75	Resp:	17253
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 5.853 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

Instrument :

MSVOA_N

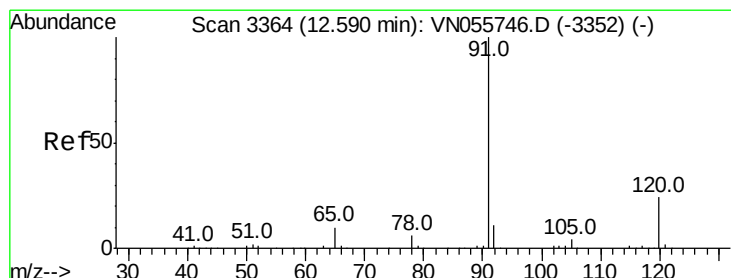
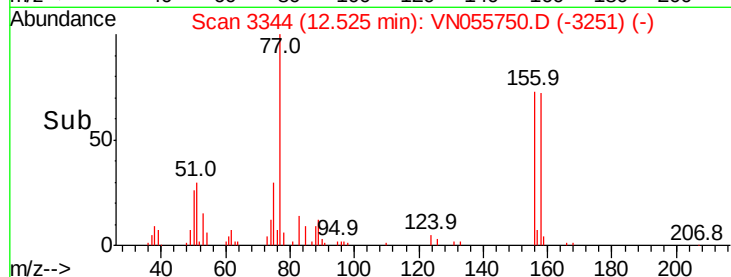
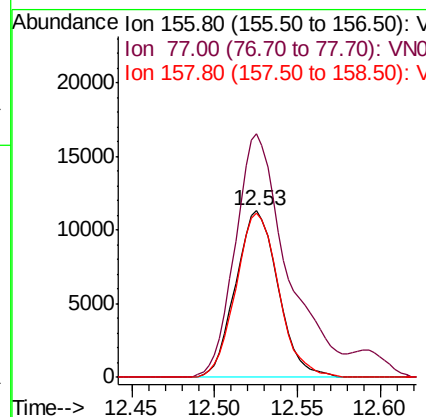
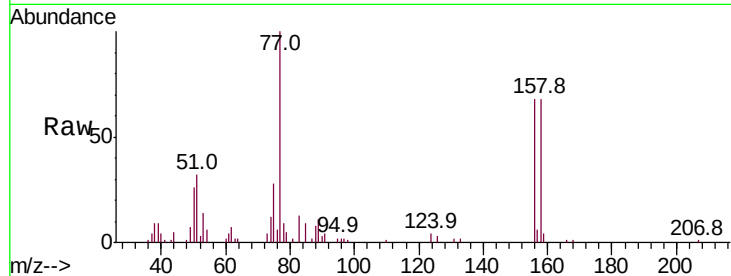
ClientSampleId :

VSTDIC005

Tot Ion:	156	Resp:	20187
Ion	Ratio	Lower	Upper
156	100		
77	178.8	90.8	272.5
158	99.2	49.3	147.8

Manual Integrations
APPROVED

MMDadoda
5/24/2019 9:22:20 AM



#78

n-propylbenzene

Concen: 5.551 ug/l

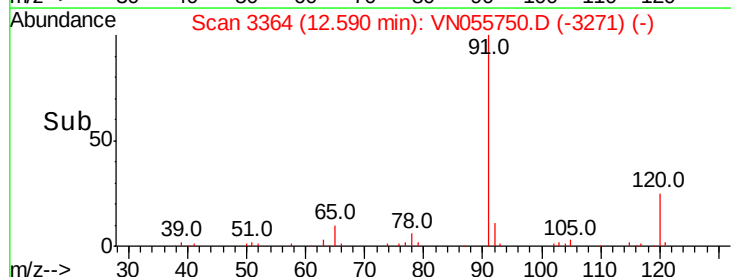
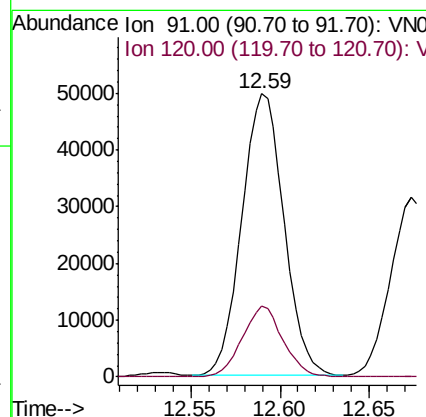
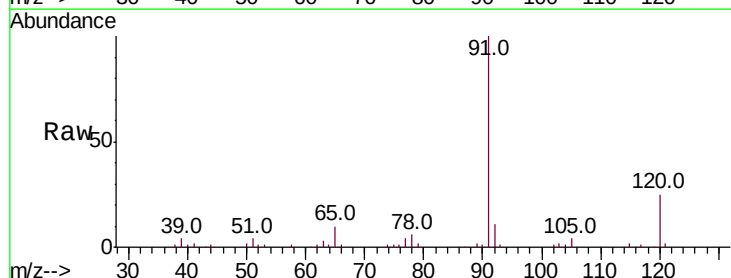
RT: 12.59 min Scan# 3364

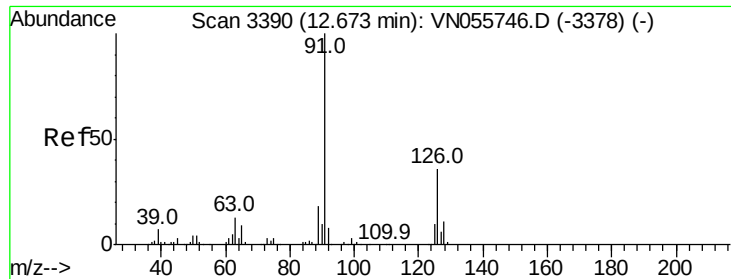
Delta R.T. 0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

Tgt Ion:	91	Resp:	82013
Ion	Ratio	Lower	Upper
91	100		
120	24.2	12.0	36.0





#79

2-Chlorotoluene

Concen: 5.826 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 52434

Ion Ratio Lower Upper

91 100

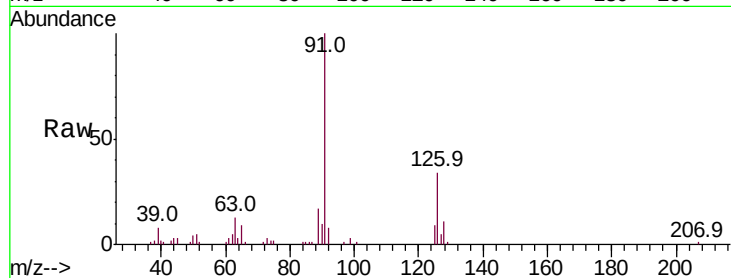
126 35.6 18.1 54.4

Manual Integrations

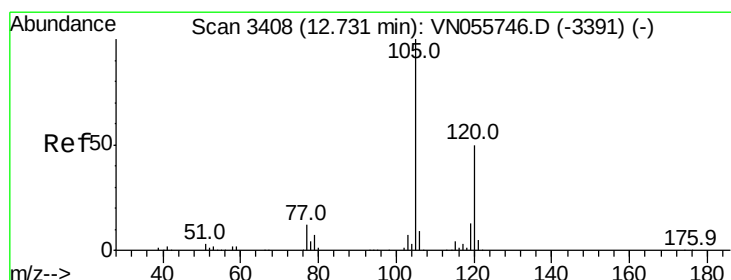
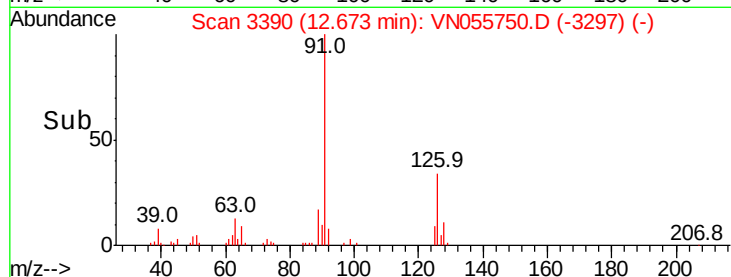
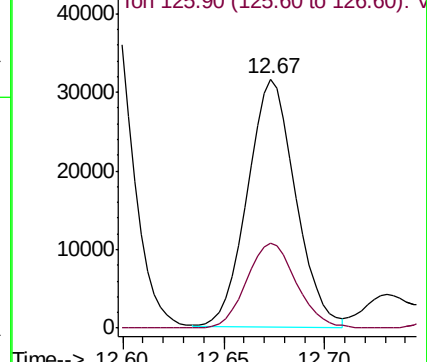
APPROVED

MMDadoda

5/24/2019 9:22:20 AM



Abundance Ion 91.00 (90.70 to 91.70): VN055746.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 5.877 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055750.D

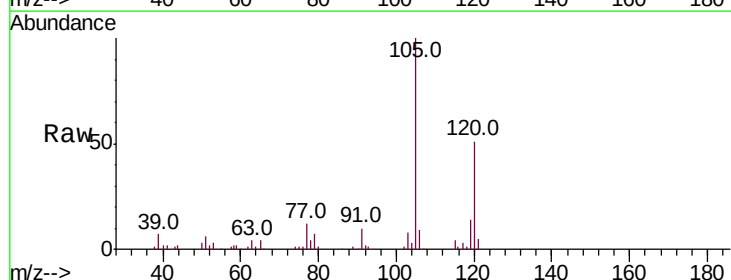
Acq: 23 May 2019 13:12

Tgt Ion:105 Resp: 67277

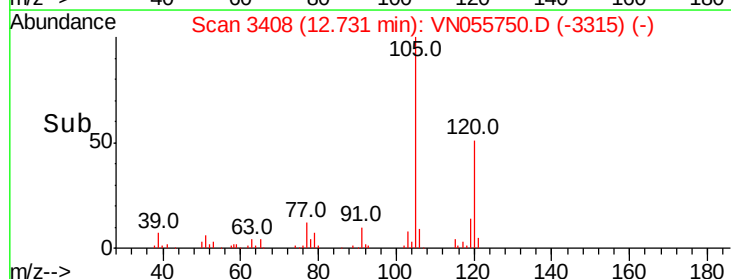
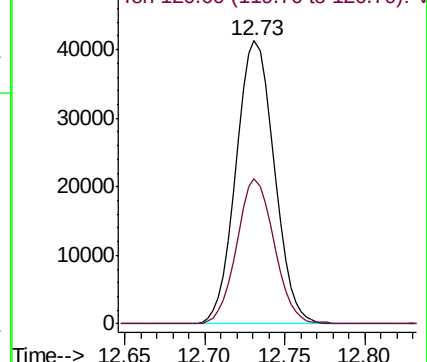
Ion Ratio Lower Upper

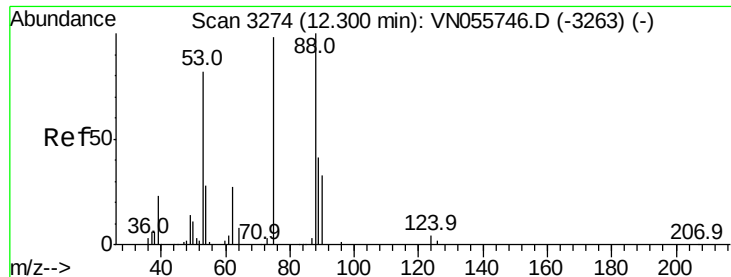
105 100

120 50.1 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN055746.D (-3391) (-)





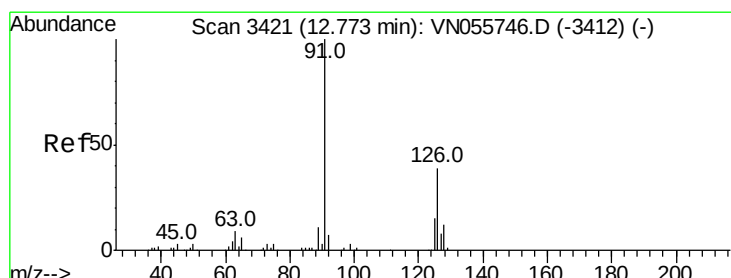
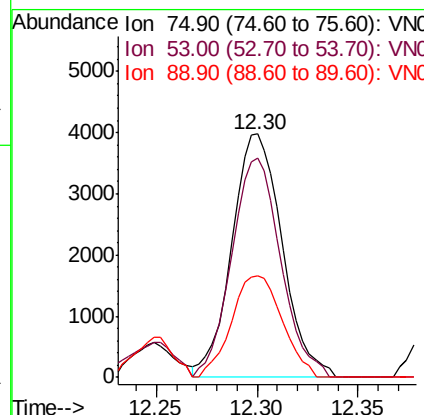
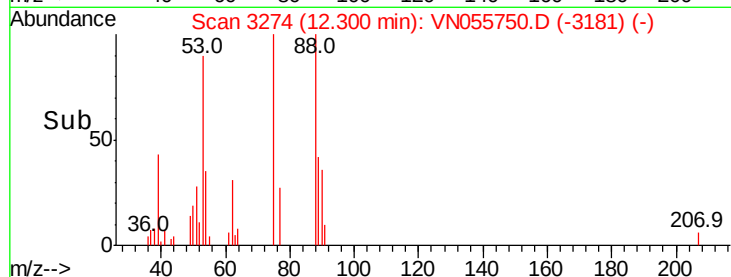
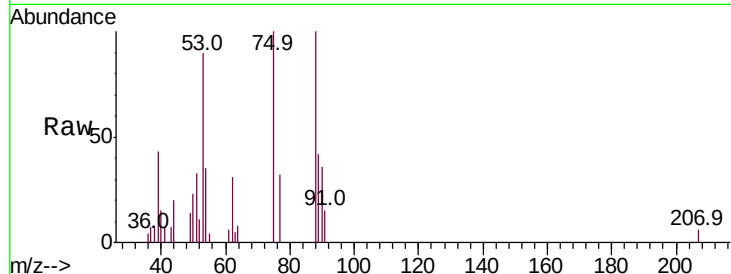
#81
trans-1,4-Dichloro-2-butene
Concen: 5.305 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055750.D
Acq: 23 May 2019 13:12

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	87.9	68.1	102.1
89	42.0	36.9	55.3

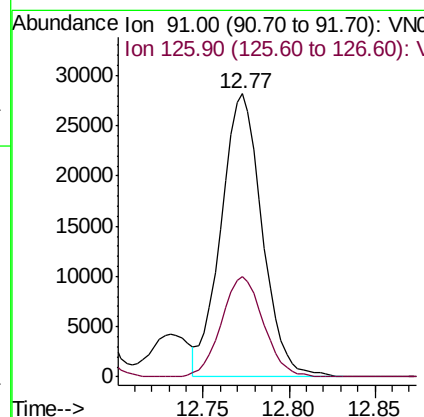
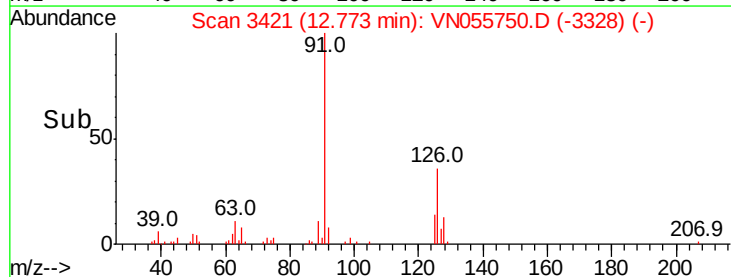
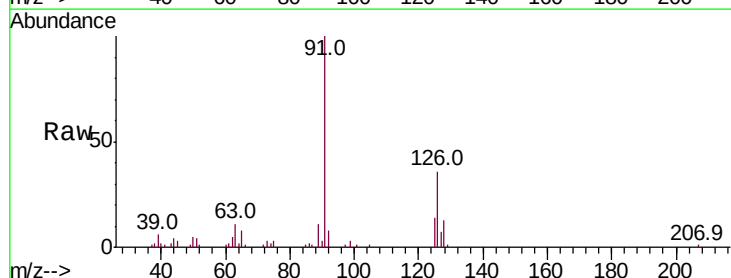
Manual Integrations
APPROVED

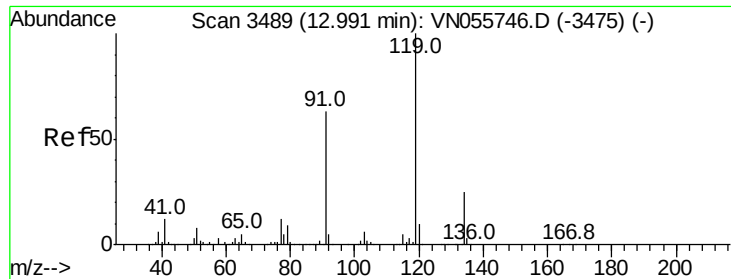
MMDadoda
5/24/2019 9:22:20 AM



#82
4-Chlorotoluene
Concen: 5.389 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055750.D
Acq: 23 May 2019 13:12

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.2	17.8	53.3





#83

tert-Butylbenzene

Concen: 6.083 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

Instrument :

MSVOA_N

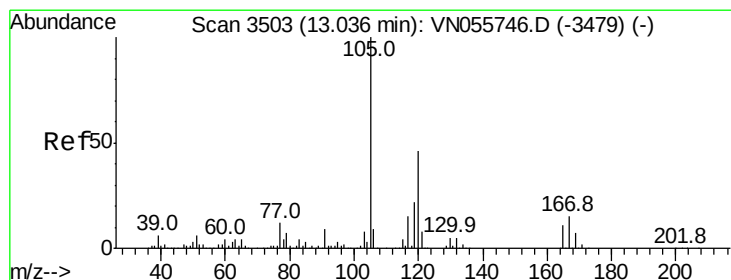
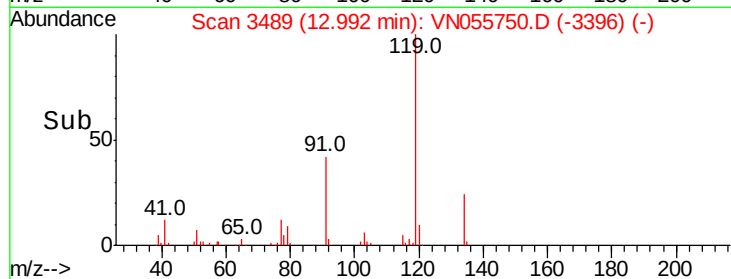
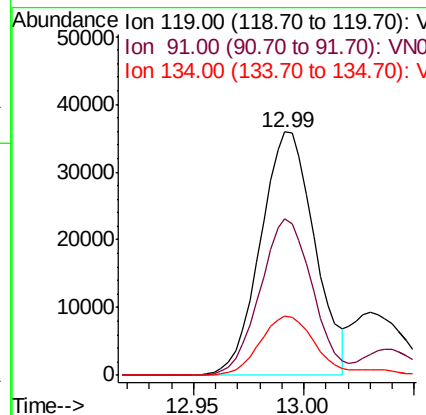
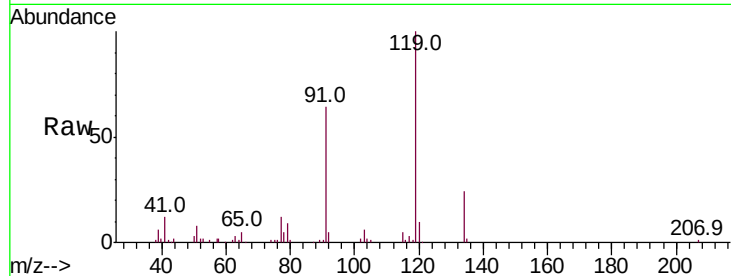
ClientSampleId :

VSTDIC005

Tot Ion:	119	Resp:	61105
Ion Ratio	Lower	Upper	
119	100		
91	62.3	30.9	92.8
134	24.7	13.3	39.8

Manual Integrations
APPROVED

MMDadoda
5/24/2019 9:22:20 AM



#84

1,2,4-Trimethylbenzene

Concen: 5.816 ug/l

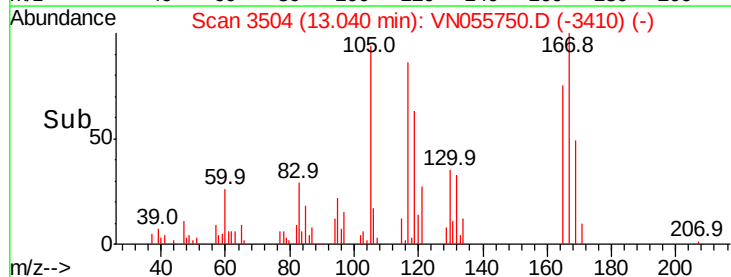
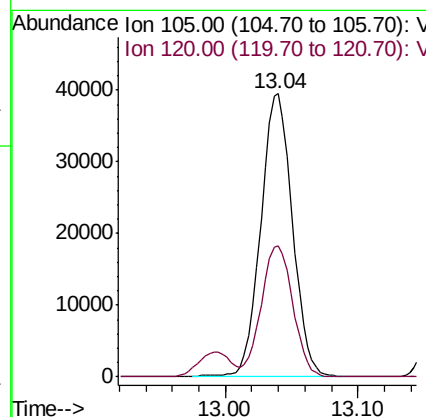
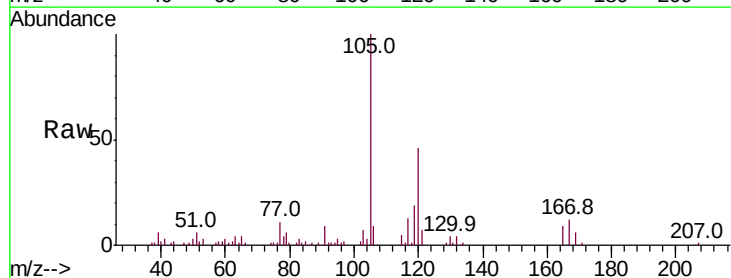
RT: 13.04 min Scan# 3504

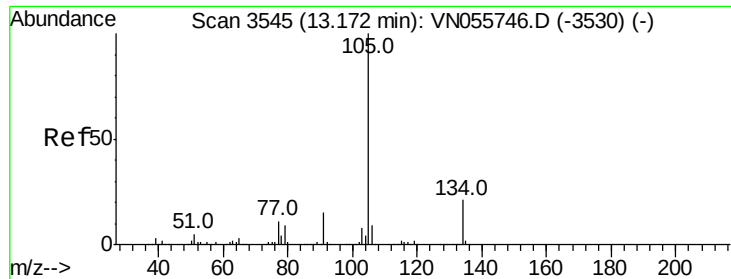
Delta R.T. 0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

Tgt Ion:	105	Resp:	65576
Ion Ratio	Lower	Upper	
105	100		
120	46.3	23.0	69.0





#85

sec-Butylbenzene

Concen: 5.777 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion:105 Resp: 73687

Ion Ratio Lower Upper

105 100

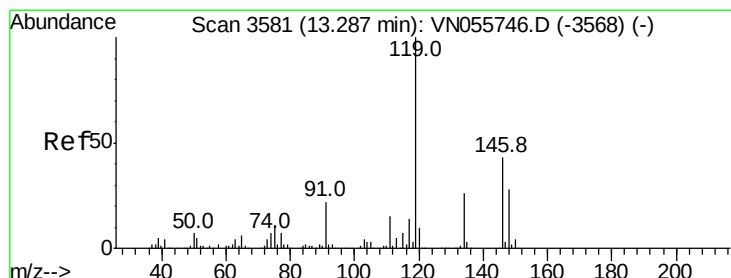
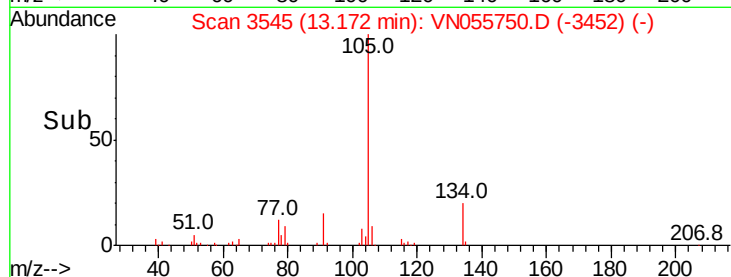
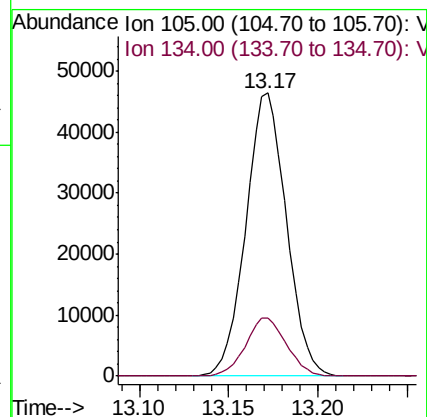
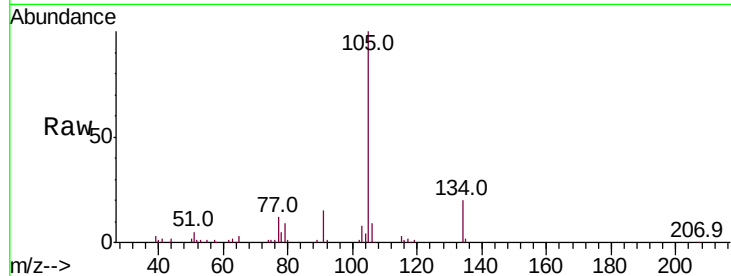
134 20.6 10.4 31.2

Manual Integrations

APPROVED

MMDadoda

5/24/2019 9:22:20 AM



#86

p-Isopropyltoluene

Concen: 5.502 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

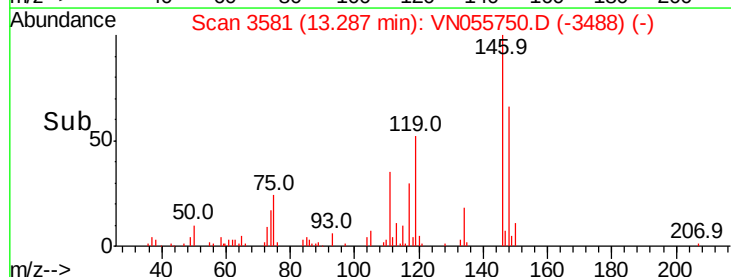
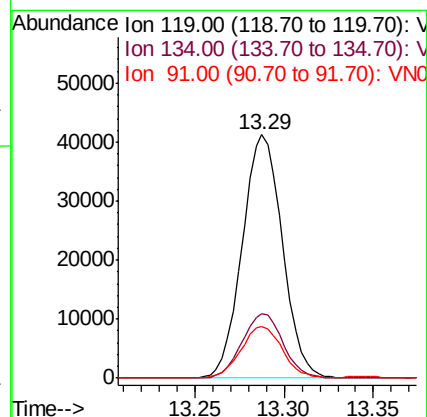
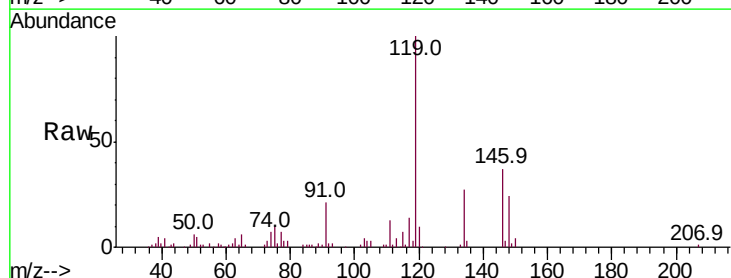
Tgt Ion:119 Resp: 64500

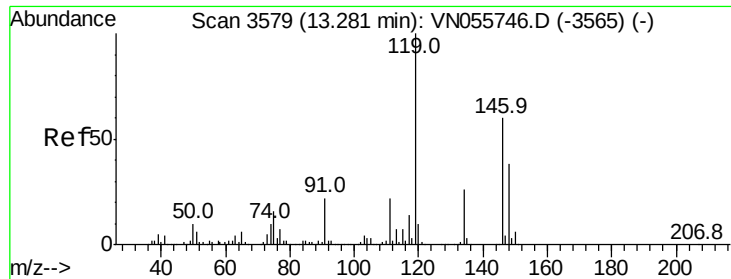
Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.1

91 22.0 10.9 32.9





#87

1,3-Dichlorobenzene

Concen: 5.113 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

Instrument :

MSVOA_N

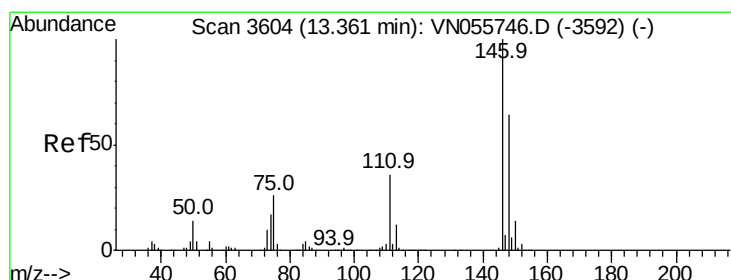
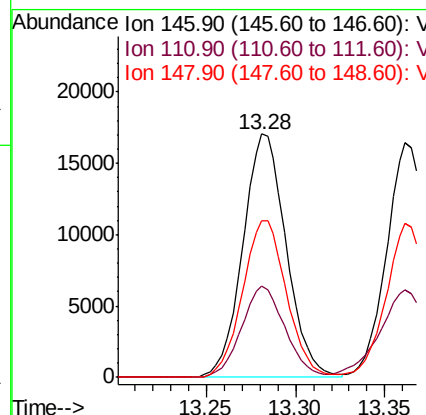
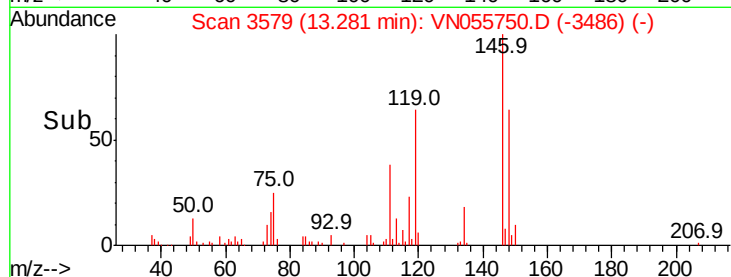
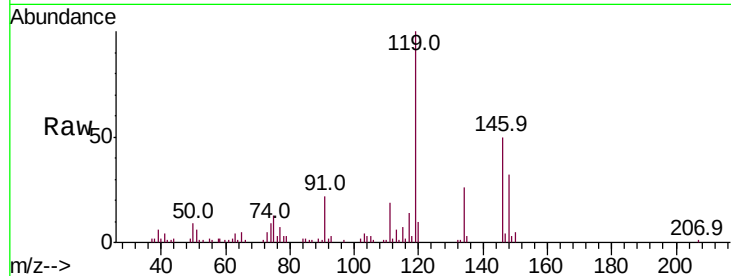
ClientSampleId :

VSTDIC005

Tot Ion:	146	Resp:	28970
Ion Ratio	Lower	Upper	
146	100		
111	37.6	18.5	55.5
148	65.3	32.0	96.2

Manual Integrations
APPROVED

MMDadoda
5/24/2019 9:22:20 AM



#88

1,4-Dichlorobenzene

Concen: 5.010 ug/l

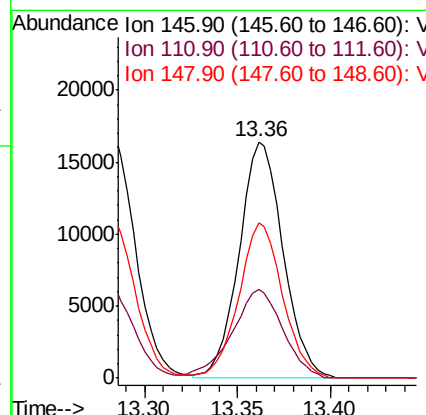
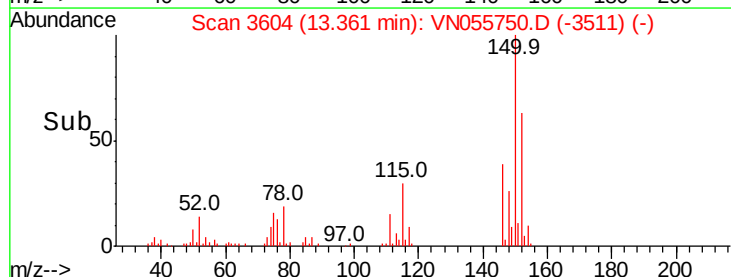
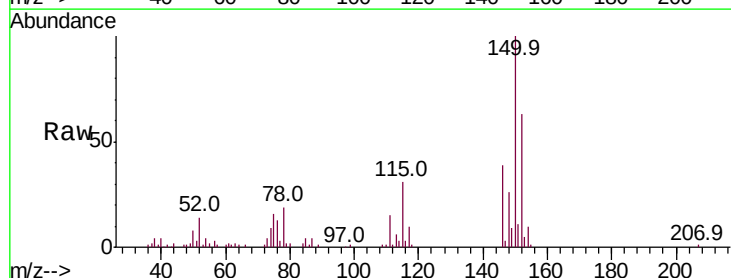
RT: 13.36 min Scan# 3604

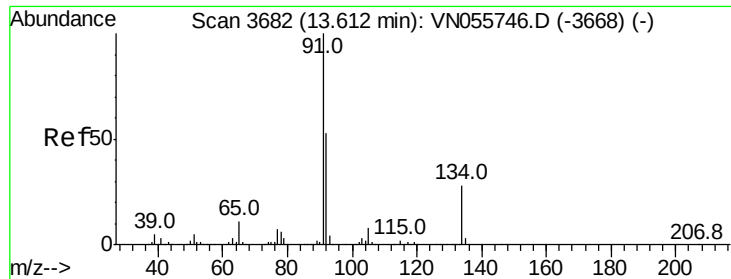
Delta R.T. 0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

Tgt Ion:	146	Resp:	27001
Ion Ratio	Lower	Upper	
146	100		
111	43.4	18.1	54.4
148	65.9	32.1	96.5





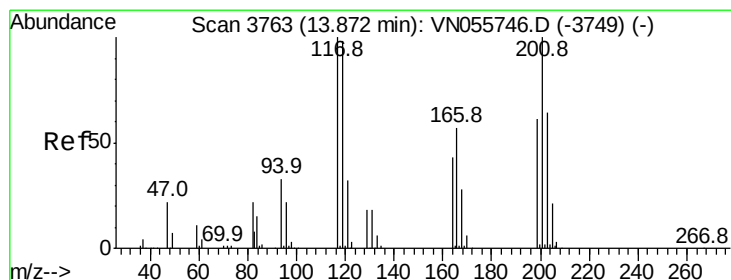
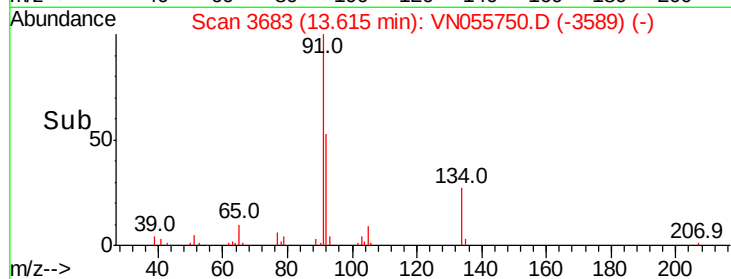
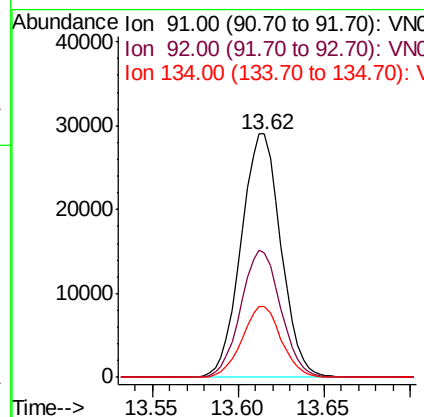
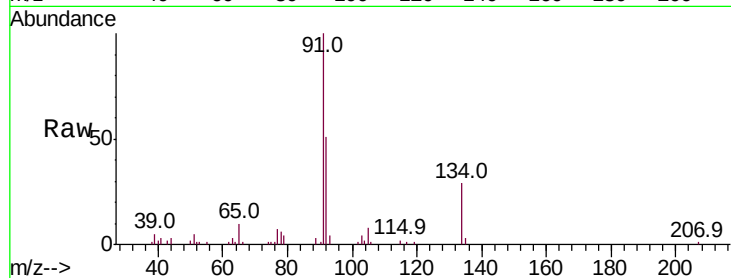
#89
n-Butylbenzene
Concen: 5.135 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN055750.D
Acq: 23 May 2019 13:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.4	79.0
134	28.4	13.9	41.7

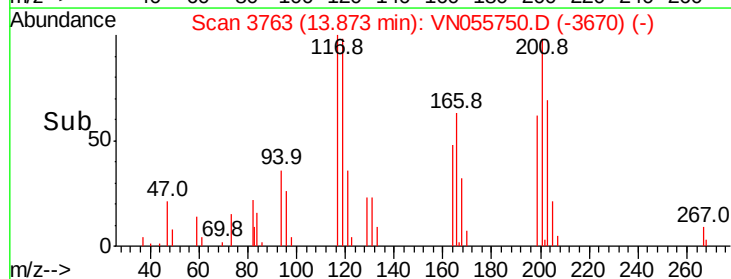
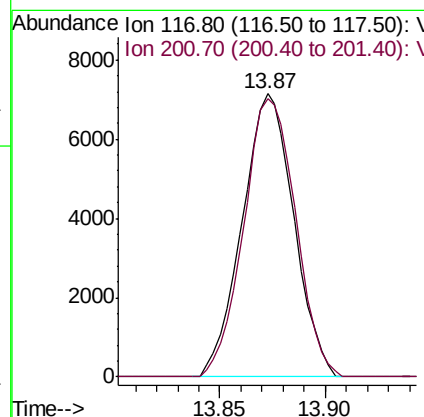
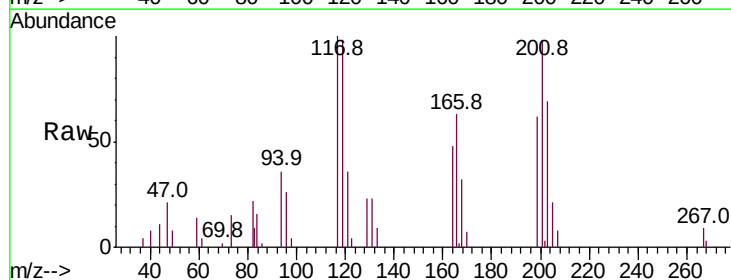
Manual Integrations
APPROVED

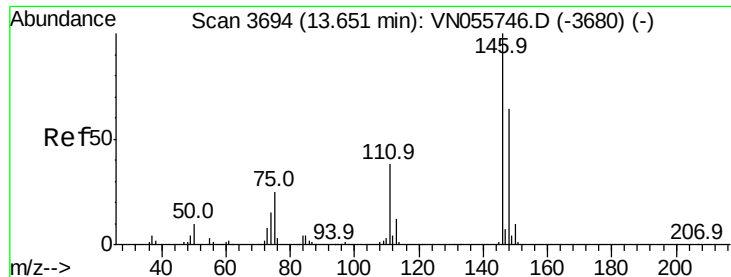
MMDadoda
5/24/2019 9:22:20 AM



#90
Hexachloroethane
Concen: 5.441 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055750.D
Acq: 23 May 2019 13:12

Tgt Ion	Ratio	Lower	Upper
117	100		
201	99.0	50.0	150.0





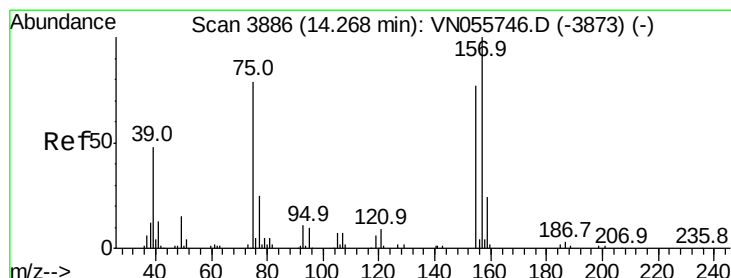
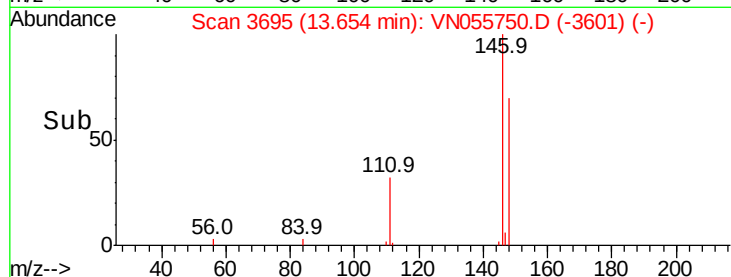
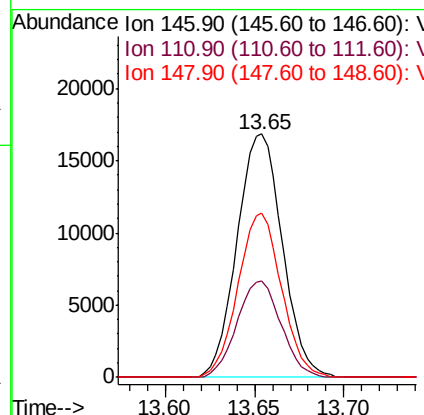
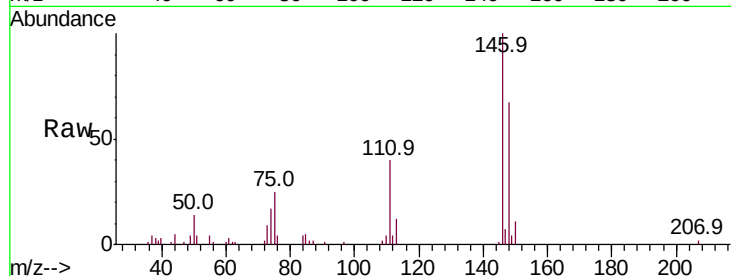
#91
 1,2-Dichlorobenzene
 Concen: 5.289 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055750.D
 Acq: 23 May 2019 13:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.1	57.5
148	64.8	31.9	95.9

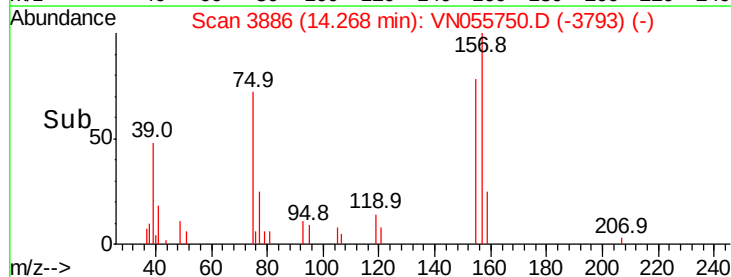
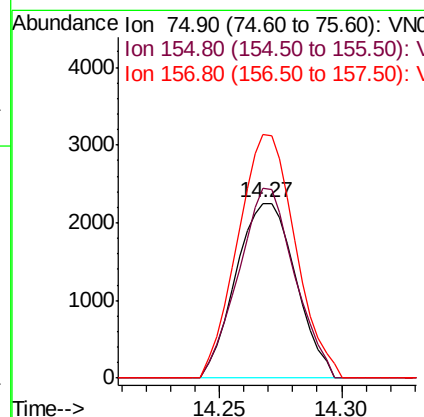
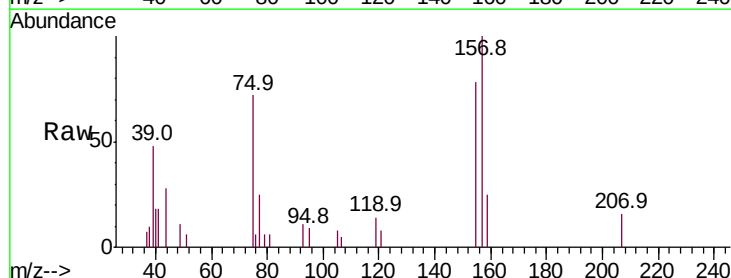
Manual Integrations
 APPROVED

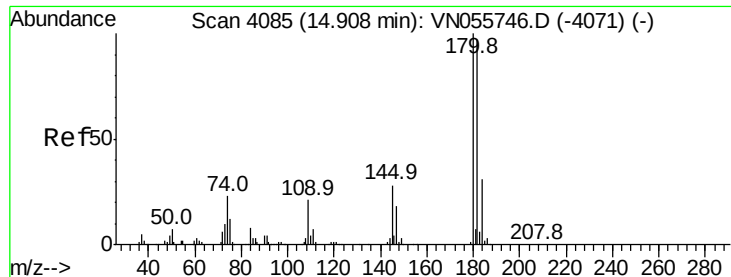
MMDadoda
 5/24/2019 9:22:20 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.128 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055750.D
 Acq: 23 May 2019 13:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.9	50.0	150.1
157	134.3	64.8	194.3





#93

1,2,4-Trichlorobenzene

Concen: 4.390 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

Instrument :

MSVOA_N

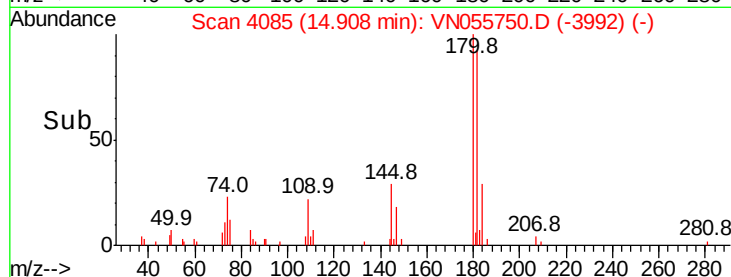
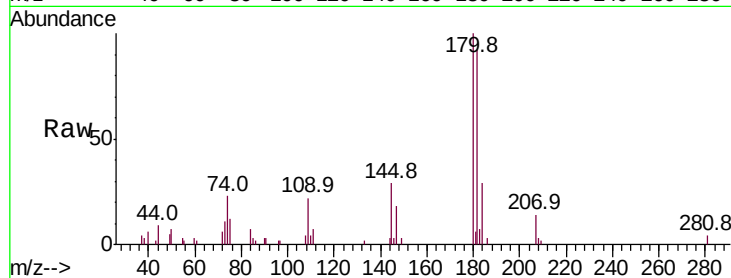
ClientSampleId :

VSTDIC005

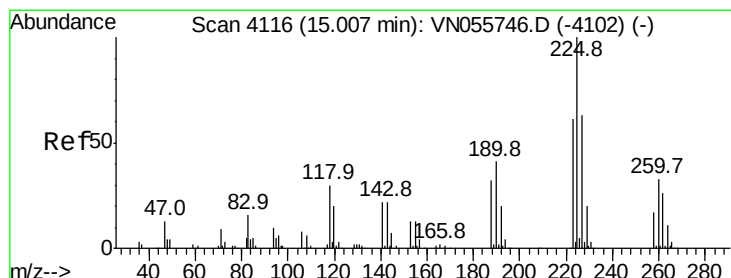
Tot Ion:	180	Resp:	12436
Ion Ratio	Lower	Upper	
180	100		
182	95.4	48.3	144.9
145	28.4	14.0	41.9

Manual Integrations
APPROVED

MMDadoda
5/24/2019 9:22:20 AM



Time-->



#94

Hexachlorobutadiene

Concen: 6.687 ug/l

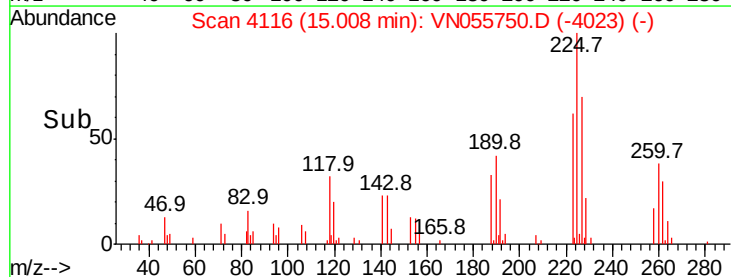
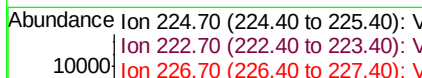
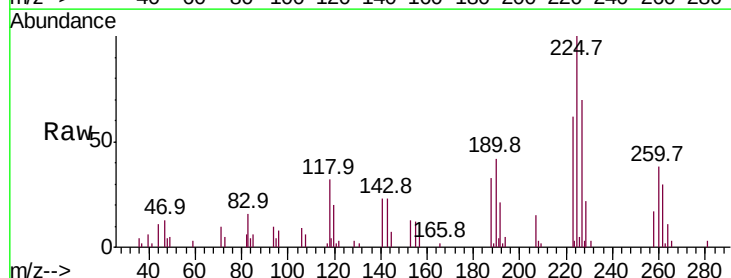
RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

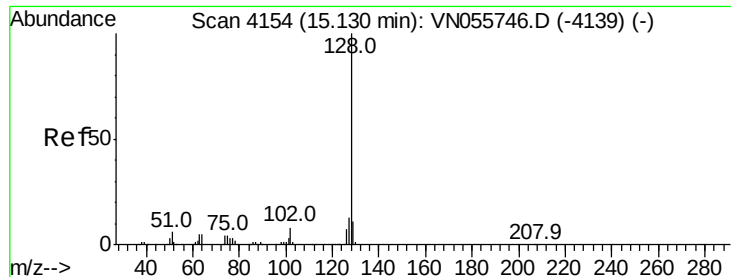
Lab File: VN055750.D

Acq: 23 May 2019 13:12

Tgt Ion:	225	Resp:	13437
Ion Ratio	Lower	Upper	
225	100		
223	60.9	30.9	92.7
227	66.6	31.6	94.7



Time-->



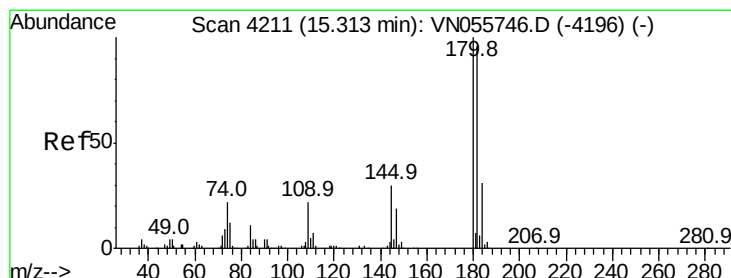
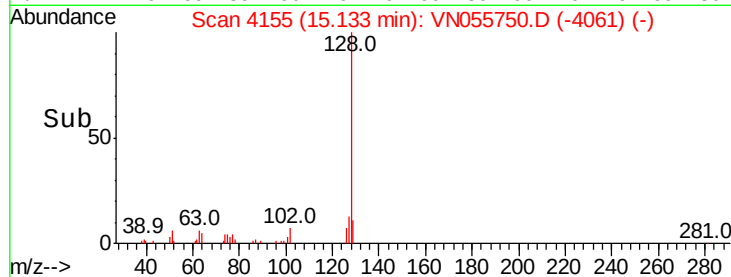
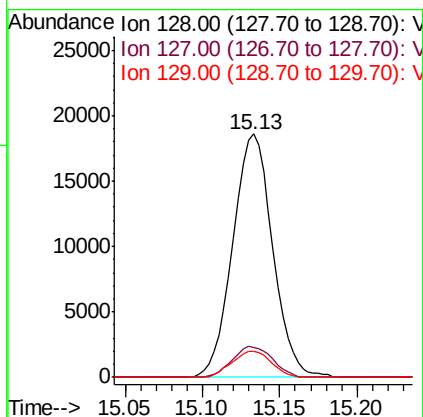
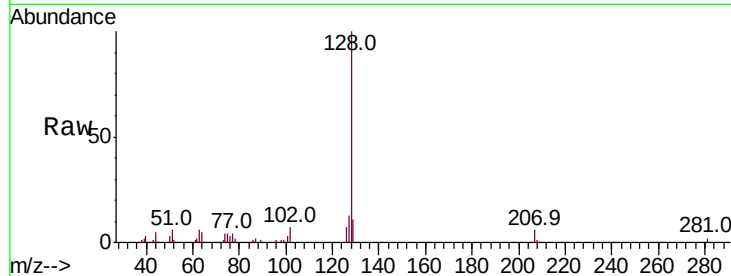
#95
Naphthalene
Concen: 4.342 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN055750.D
Acq: 23 May 2019 13:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.6	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/24/2019 9:22:20 AM



#96
1,2,3-Trichlorobenzene
Concen: 4.769 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055750.D
Acq: 23 May 2019 13:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.9	143.7
145	30.0	14.9	44.7

