

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052319\
 Data File : VN055745.D
 Acq On : 23 May 2019 10:10
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 24 05:47:48 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	340354	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	500917	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	437348	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	185405	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	78649	21.27	ug/l	0.00
Spiked Amount			Recovery	=	42.54%	
35) Dibromofluoromethane	7.59	113	69494	21.88	ug/l	0.00
Spiked Amount			Recovery	=	43.76%	
50) Toluene-d8	10.09	98	263378	21.87	ug/l	0.00
Spiked Amount			Recovery	=	43.74%	
62) 4-Bromofluorobenzene	12.40	95	87285	20.96	ug/l	0.00
Spiked Amount			Recovery	=	41.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	45706	17.781	ug/l	99
3) Chloromethane	2.06	50	65674	18.943	ug/l	99
4) Vinyl Chloride	2.19	62	69026	18.458	ug/l	99
5) Bromomethane	2.54	94	46664	19.490	ug/l	98
6) Chloroethane	2.69	64	43795	20.851	ug/l	97
7) Trichlorofluoromethane	3.01	101	91653	19.118	ug/l	99
8) Diethyl Ether	3.40	74	40734	20.883	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	56967	19.445	ug/l	99
10) Methyl Iodide	3.94	142	85604	20.132	ug/l	99
11) Tert butyl alcohol	4.81	59	80526	115.883	ug/l	98
12) 1,1-Dichloroethene	3.72	96	59085	19.161	ug/l	97
13) Acrolein	3.60	56	49592	124.075	ug/l	99
14) Allyl chloride	4.31	41	104117	20.886	ug/l	99
15) Acrylonitrile	4.99	53	159734	103.479	ug/l	100
16) Acetone	3.82	43	170789	111.916	ug/l	96
17) Carbon Disulfide	4.04	76	164155	19.163	ug/l	99
18) Methyl Acetate	4.33	43	66781	20.471	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	199903	19.646	ug/l	99
20) Methylene Chloride	4.55	84	67568	19.572	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	63518	19.363	ug/l	98
22) Diisopropyl ether	5.95	45	197585	19.935	ug/l	96
23) Vinyl Acetate	5.90	43	858131	102.063	ug/l	100
24) 1,1-Dichloroethane	5.84	63	114686	19.865	ug/l	100
25) 2-Butanone	6.84	43	224006	105.332	ug/l	100
26) 2,2-Dichloropropane	6.82	77	98162	19.199	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	74306	19.385	ug/l	99
28) Bromochloromethane	7.19	49	60223	23.625	ug/l	99
29) Tetrahydrofuran	7.21	42	141091	100.347	ug/l	100
30) Chloroform	7.37	83	115924	19.494	ug/l	99
31) Cyclohexane	7.65	56	109952	19.963	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	103516	19.445	ug/l	99
36) 1,1-Dichloropropene	7.79	75	85910	19.335	ug/l	99
37) Ethyl Acetate	6.93	43	89621	22.259	ug/l	99
38) Carbon Tetrachloride	7.77	117	92410	19.426	ug/l	98

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 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	105965	19.665	ug/l	98
40) Benzene	8.04	78	269073	20.467	ug/l	100
41) Methacrylonitrile	7.18	41	40825	23.358	ug/l	99
42) 1,2-Dichloroethane	8.12	62	88949	20.933	ug/l	100
43) Isopropyl Acetate	8.17	43	140062	19.968	ug/l #	92
44) Trichloroethene	8.83	130	74207	20.022	ug/l	99
45) 1,2-Dichloropropane	9.12	63	69781	20.170	ug/l	99
46) Dibromomethane	9.21	93	46426	20.472	ug/l	99
47) Bromodichloromethane	9.40	83	92795	19.605	ug/l	99
48) Methyl methacrylate	9.20	41	68403	21.766	ug/l	97
49) 1,4-Dioxane	9.20	88	27041	434.175	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	424017	102.301	ug/l	99
52) Toluene	10.16	92	168714	20.410	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	98947	19.460	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	110527	19.834	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	68122	20.040	ug/l	98
56) Ethyl methacrylate	10.43	69	102595	19.325	ug/l	98
57) 1,3-Dichloropropane	10.71	76	109853	20.439	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	189888	86.137	ug/l	100
59) 2-Hexanone	10.75	43	299988	102.987	ug/l	100
60) Dibromochloromethane	10.90	129	77667	20.156	ug/l	99
61) 1,2-Dibromoethane	11.00	107	68659	20.170	ug/l	98
64) Tetrachloroethene	10.63	164	75441	21.702	ug/l	100
65) Chlorobenzene	11.43	112	175654	19.891	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	69804	19.671	ug/l	98
67) Ethyl Benzene	11.51	91	316323	20.058	ug/l	99
68) m/p-Xylenes	11.62	106	239739	40.249	ug/l	99
69) o-Xylene	11.95	106	119986	20.532	ug/l	99
70) Styrene	11.96	104	192629	19.879	ug/l	99
71) Bromoform	12.13	173	60073	19.926	ug/l #	99
73) Isopropylbenzene	12.25	105	313989	20.726	ug/l	99
74) N-amyl acetate	12.07	43	111782	21.436	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	93419	20.027	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	115200	30.148	ug/l #	100
77) Bromobenzene	12.53	156	80632	21.035	ug/l	99
78) n-propylbenzene	12.59	91	323464	19.700	ug/l	99
79) 2-Chlorotoluene	12.67	91	201393	20.134	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	257501	20.238	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	28341	19.493	ug/l	100
82) 4-Chlorotoluene	12.77	91	191255	19.757	ug/l	99
83) tert-Butylbenzene	12.99	119	227671	20.393	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	254289	20.293	ug/l	100
85) sec-Butylbenzene	13.17	105	286944	20.241	ug/l	99
86) p-Isopropyltoluene	13.29	119	261564	20.074	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	126948	20.157	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	119159	19.892	ug/l	99
89) n-Butylbenzene	13.61	91	195933	19.356	ug/l	99
90) Hexachloroethane	13.87	117	50190	20.179	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	129802	20.680	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	16701	20.124	ug/l	99

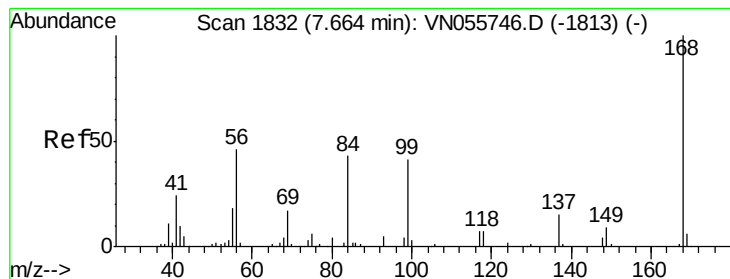
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QLast Update : Fri May 24 05:41:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	59484	18.892	ug/l	99
94) Hexachlorobutadiene	15.01	225	49949	22.365	ug/l	100
95) Naphthalene	15.13	128	164722	19.335	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	64547	19.434	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

Instrument :

MSVOA_N

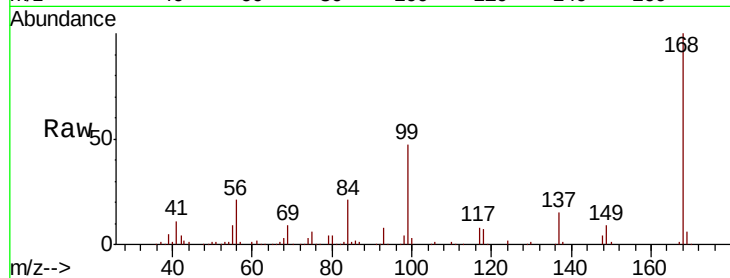
ClientSampleId :

Tot Ion:168 Resp: 340354

Ion Ratio Lower Upper

168 100

99 46.4 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

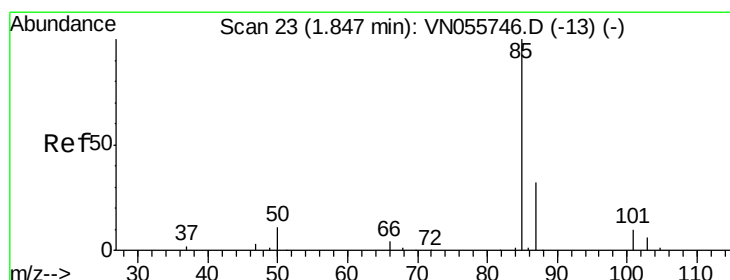
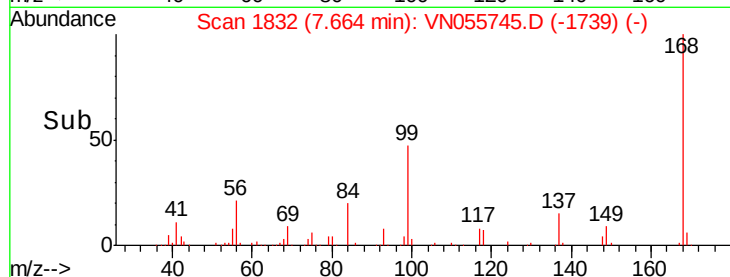
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.781 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055745.D

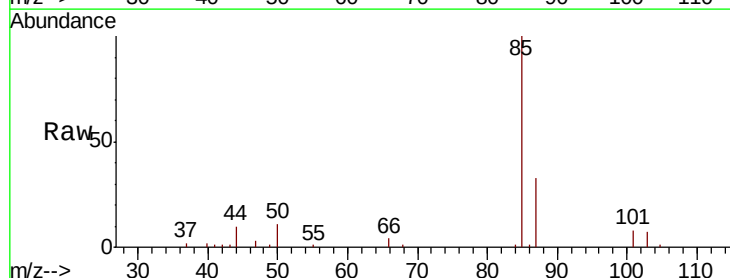
Acq: 23 May 2019 10:10

Tgt Ion: 85 Resp: 45706

Ion Ratio Lower Upper

85 100

87 33.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

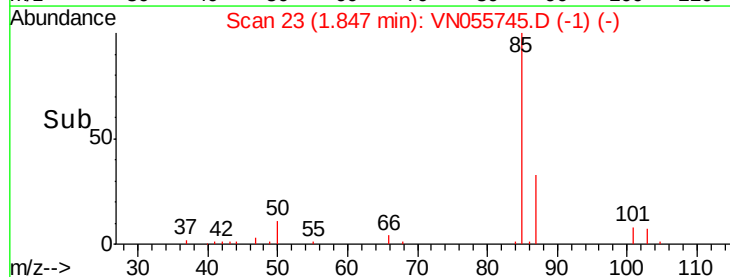
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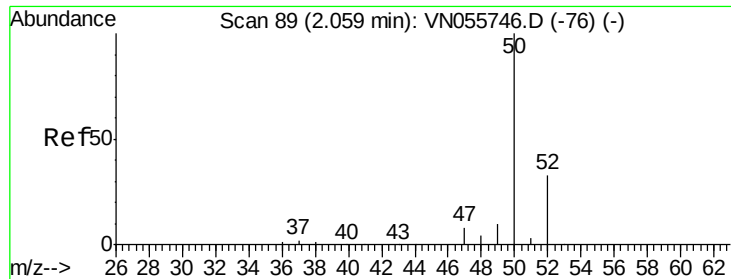
20000

10000

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Time-->

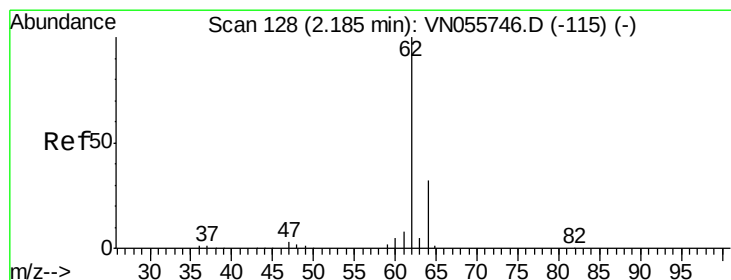
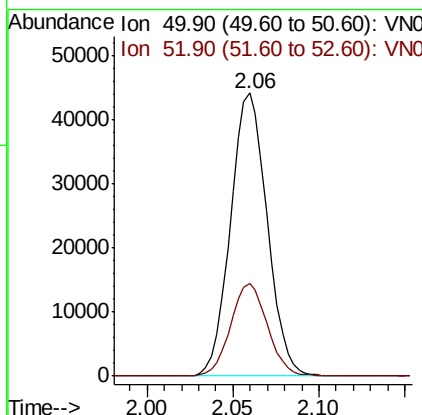
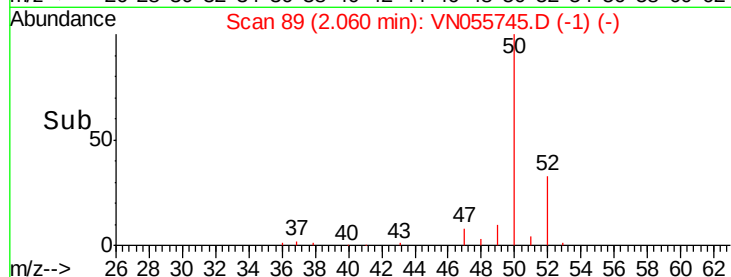
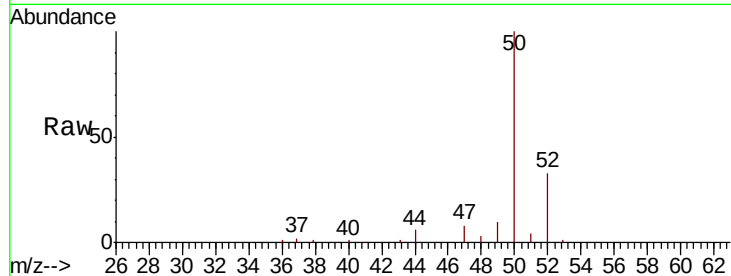




#3
Chloromethane
Concen: 18.943 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN055745.D
Acq: 23 May 2019 10:10

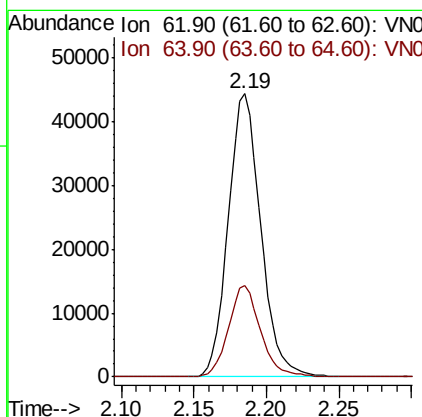
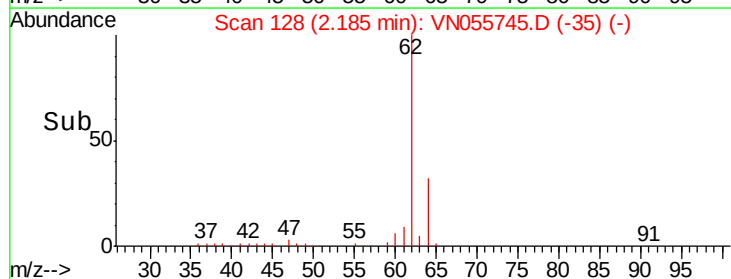
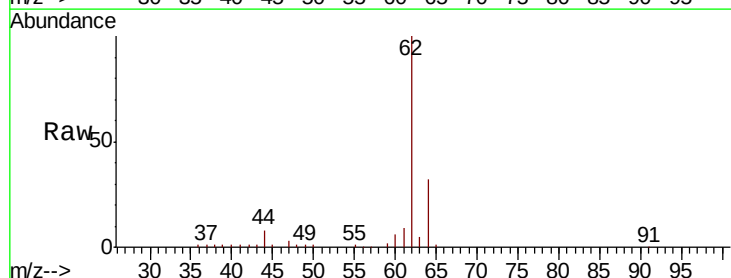
Instrument :
MSVOA_N
ClientSampleId :

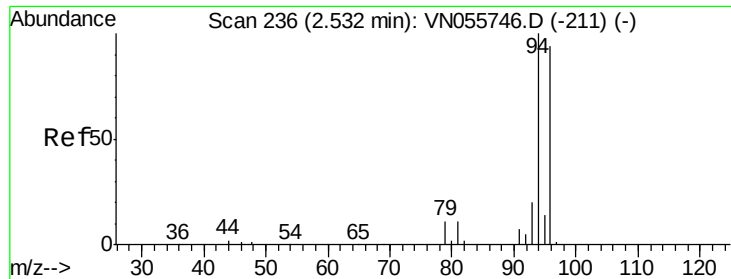
Tot Ion: 50 Resp: 65674
Ion Ratio Lower Upper
50 100
52 32.6 26.6 40.0



#4
Vinyl Chloride
Concen: 18.458 ug/l
RT: 2.19 min Scan# 128
Delta R.T. 0.00 min
Lab File: VN055745.D
Acq: 23 May 2019 10:10

Tgt Ion: 62 Resp: 69026
Ion Ratio Lower Upper
62 100
64 32.3 25.6 38.4





#5

Bromomethane

Concen: 19.490 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.01 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

Instrument :

MSVOA_N

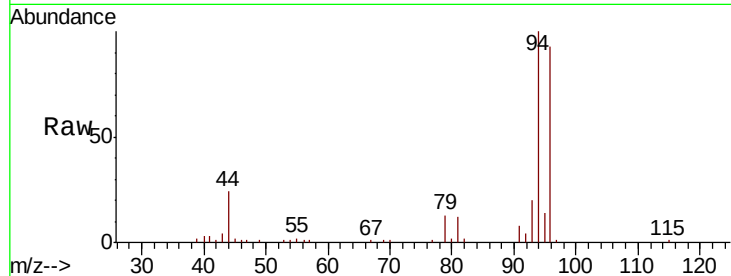
ClientSampled :

Tot Ion: 94 Resp: 46664

Ion Ratio Lower Upper

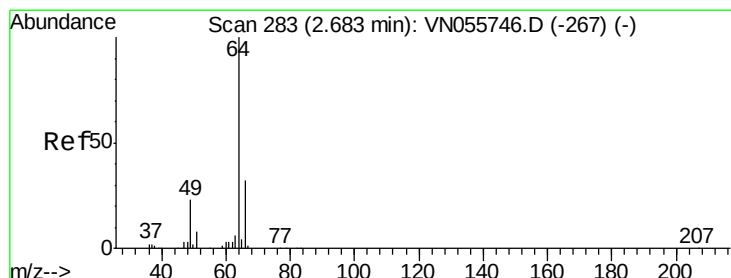
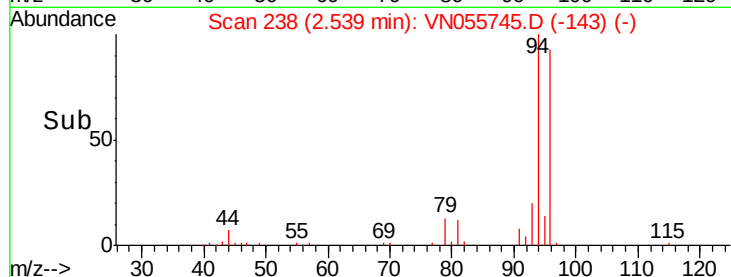
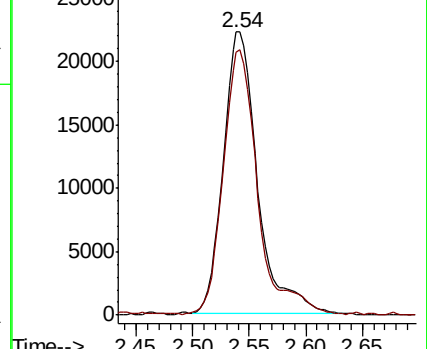
94 100

96 92.9 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.851 ug/l

RT: 2.69 min Scan# 285

Delta R.T. 0.01 min

Lab File: VN055745.D

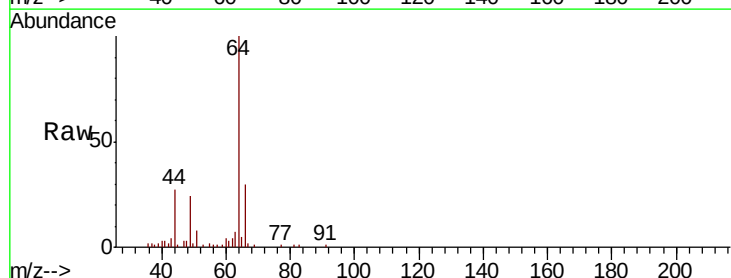
Acq: 23 May 2019 10:10

Tgt Ion: 64 Resp: 43795

Ion Ratio Lower Upper

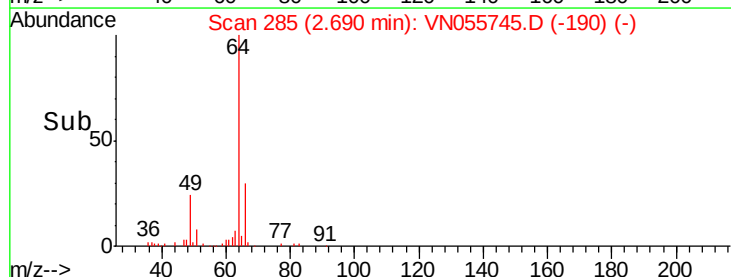
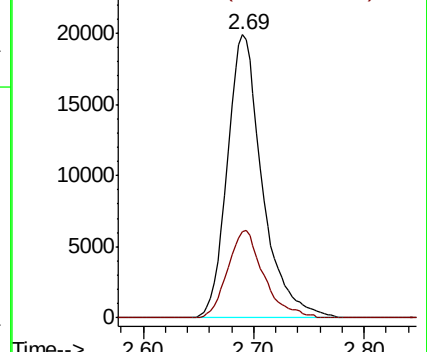
64 100

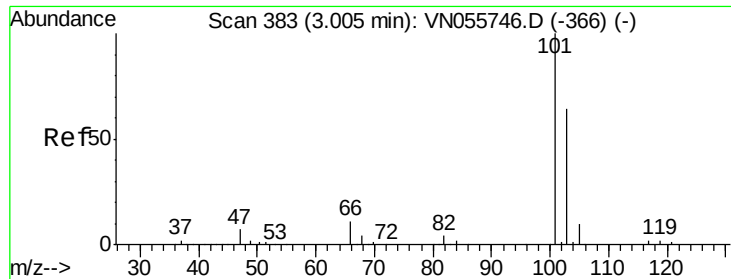
66 30.3 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



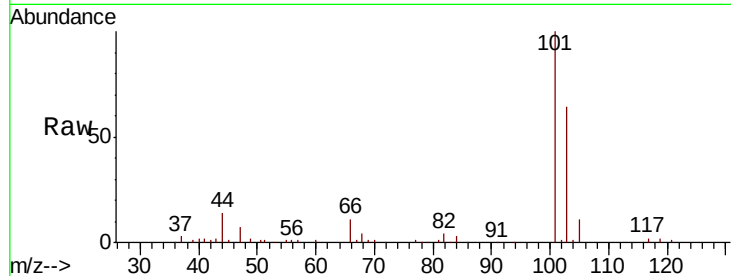


#7

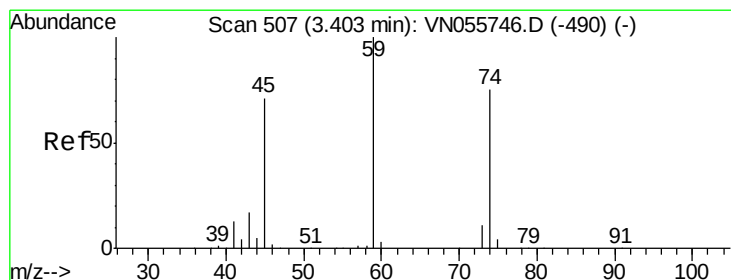
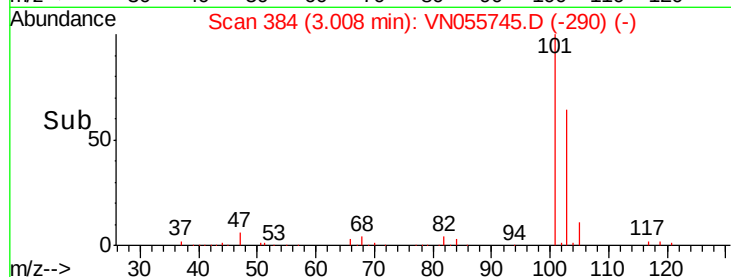
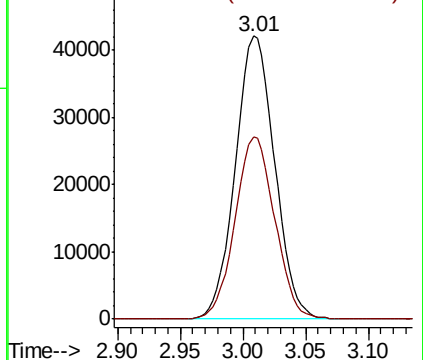
Trichlorofluoromethane
Concen: 19.118 ug/l
RT: 3.01 min Scan# 384
Delta R.T. 0.00 min
Lab File: VN055745.D
Acq: 23 May 2019 10:10

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:101 Resp: 91653
Ion Ratio Lower Upper
101 100
103 64.5 51.2 76.8



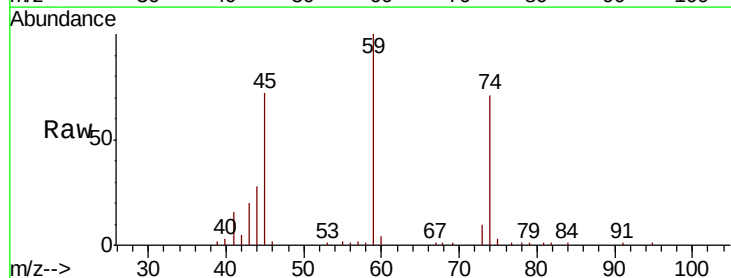
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



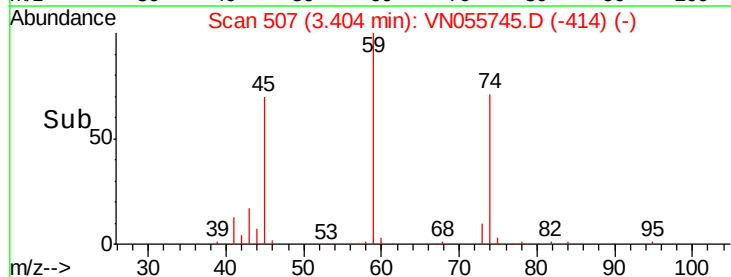
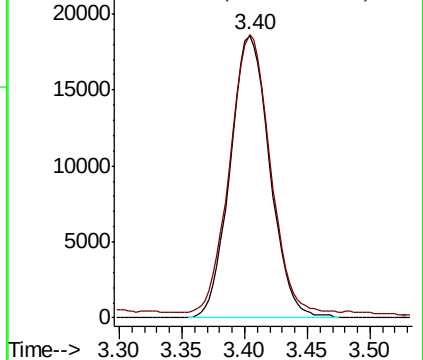
#8

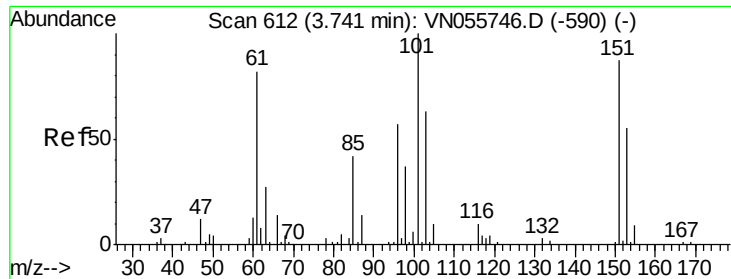
Diethyl Ether
Concen: 20.883 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN055745.D
Acq: 23 May 2019 10:10

Tgt Ion: 74 Resp: 40734
Ion Ratio Lower Upper
74 100
45 99.1 48.6 145.9



Abundance Ion 74.00 (73.70 to 74.70): VNO
Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.445 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

Instrument :

MSVOA_N

ClientSampled :

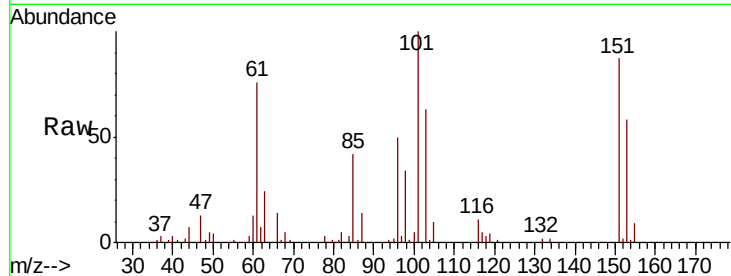
Tot Ion:101 Resp: 56967

Ion Ratio Lower Upper

101 100

85 41.8 33.4 50.2

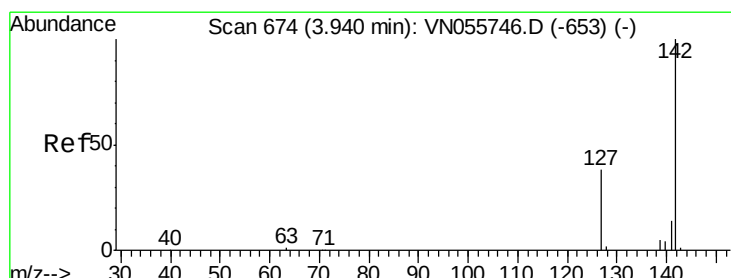
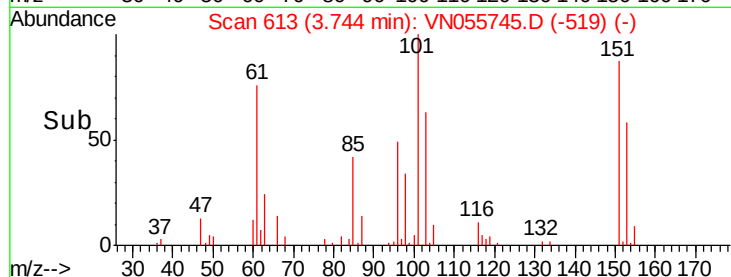
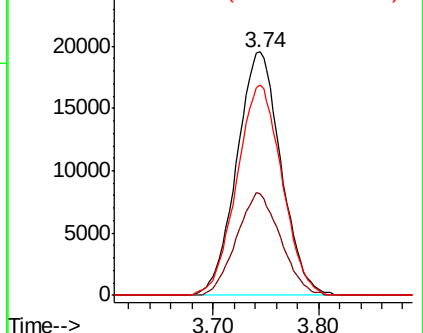
151 88.1 69.4 104.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.132 ug/l

RT: 3.94 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

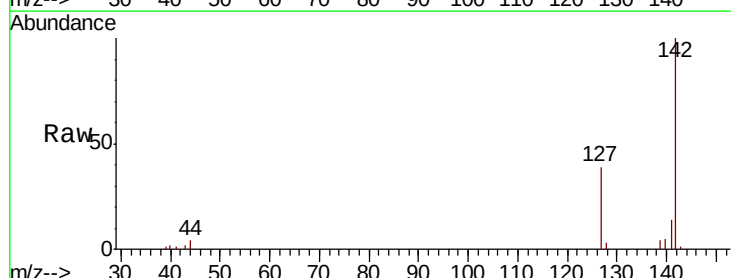
Tgt Ion:142 Resp: 85604

Ion Ratio Lower Upper

142 100

127 39.5 31.0 46.4

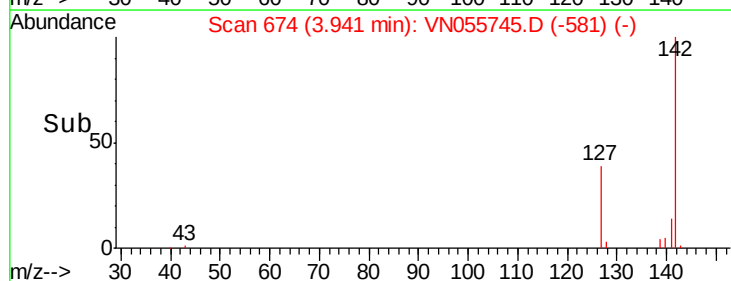
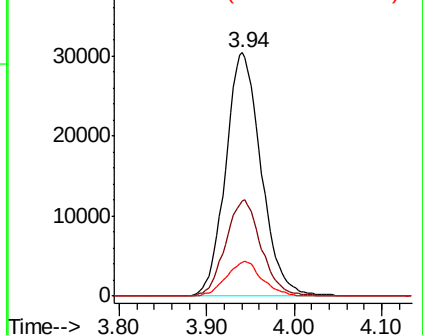
141 14.3 11.4 17.0

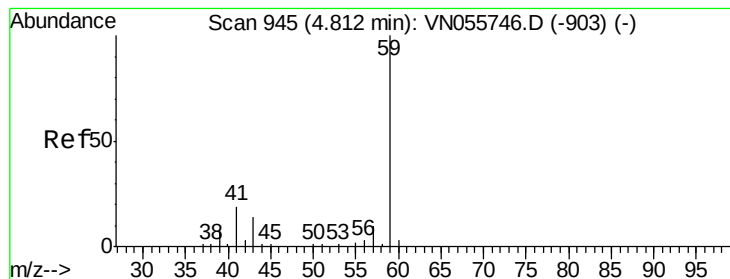


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



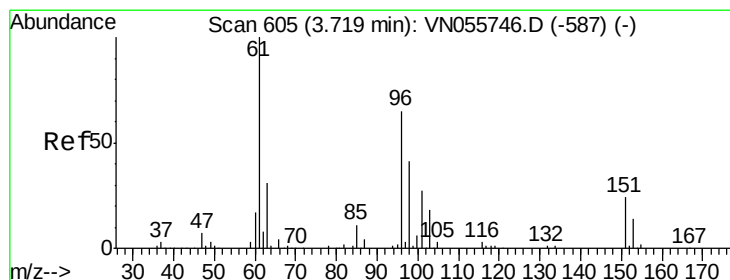
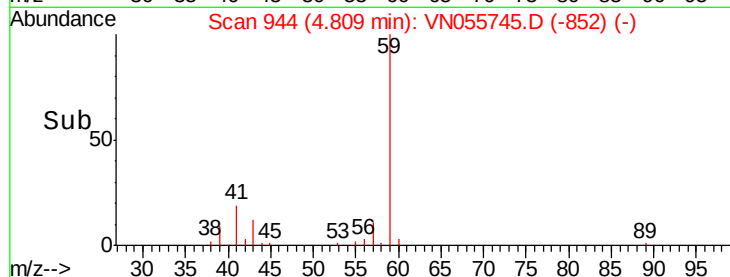
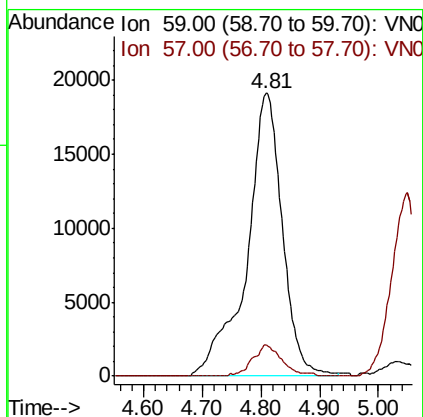
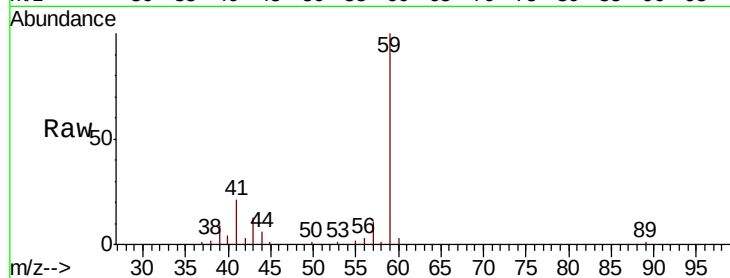


#11

Tert butyl alcohol
 Concen: 115.883 ug/l
 RT: 4.81 min Scan# 944
 Delta R.T. -0.00 min
 Lab File: VN055745.D
 Acq: 23 May 2019 10:10

Instrument :
 MSVOA_N
 ClientSampleId :

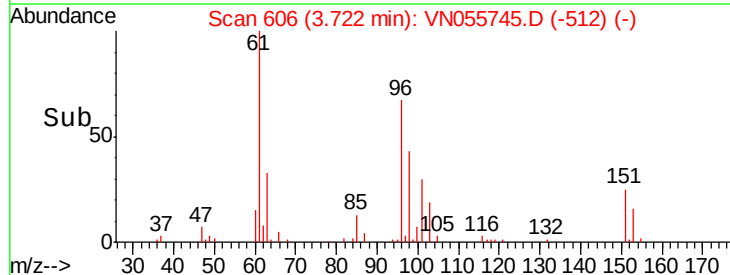
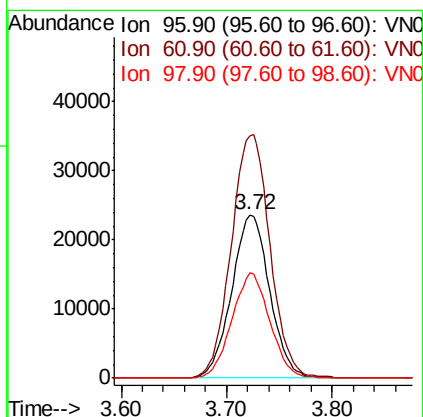
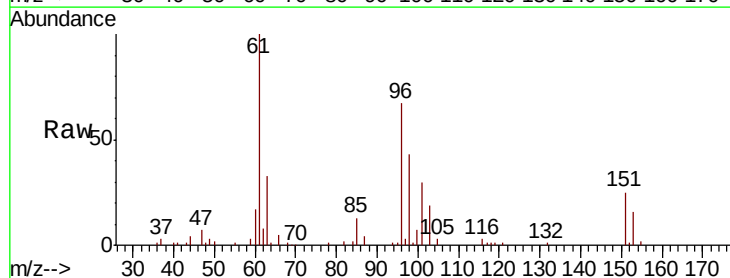
Tot Ion: 59 Resp: 80526
 Ion Ratio Lower Upper
 59 100
 57 8.9 7.8 11.6

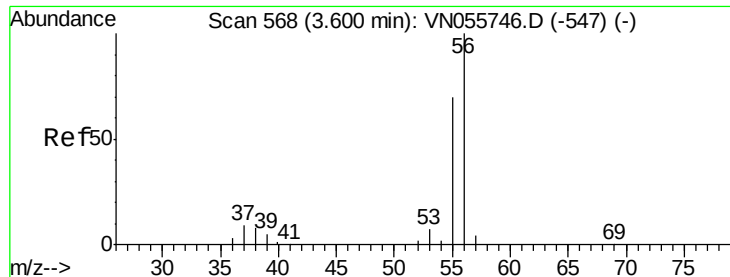


#12

1,1-Dichloroethene
 Concen: 19.161 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VN055745.D
 Acq: 23 May 2019 10:10

Tgt Ion: 96 Resp: 59085
 Ion Ratio Lower Upper
 96 100
 61 149.1 123.2 184.8
 98 64.3 50.4 75.6





#13

Acrolein

Concen: 124.075 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

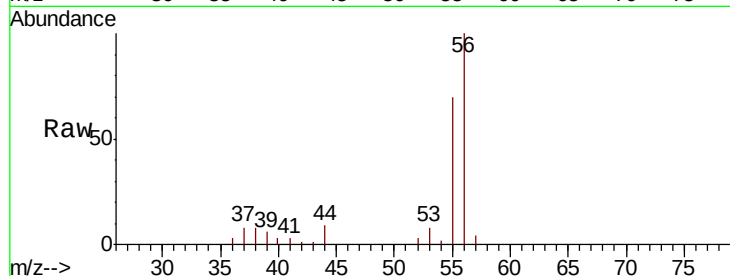
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 49592

Ion Ratio Lower Upper

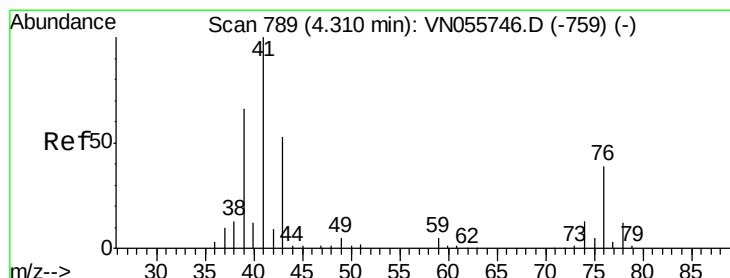
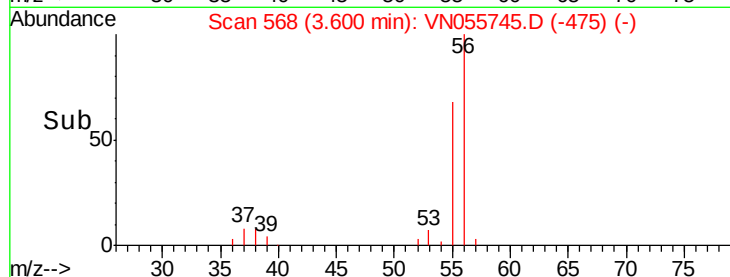
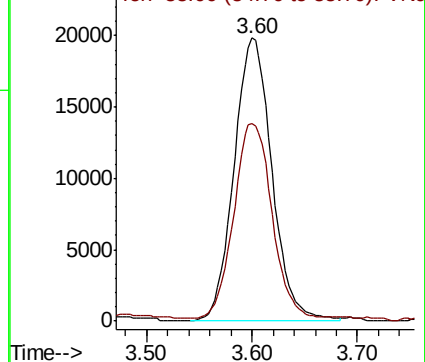
56 100

55 68.8 55.4 83.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 20.886 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

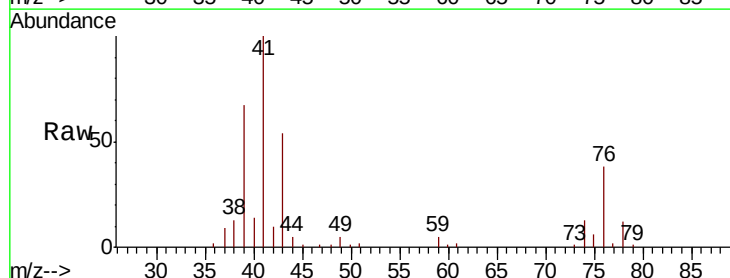
Tgt Ion: 41 Resp: 104117

Ion Ratio Lower Upper

41 100

39 61.6 50.0 75.0

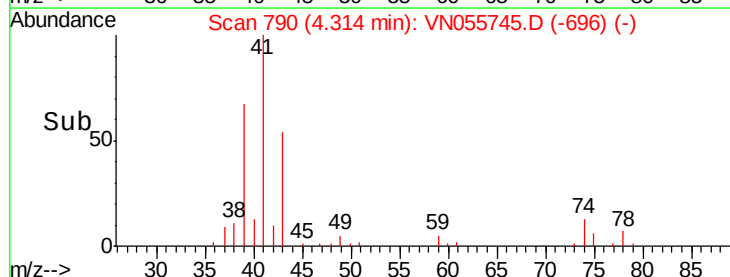
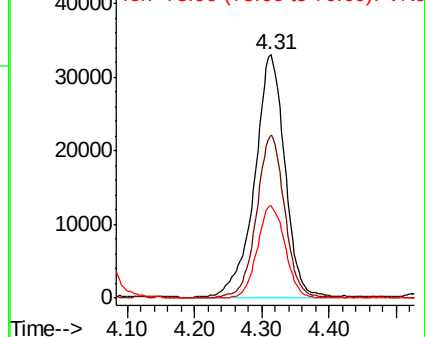
76 34.3 28.2 42.2

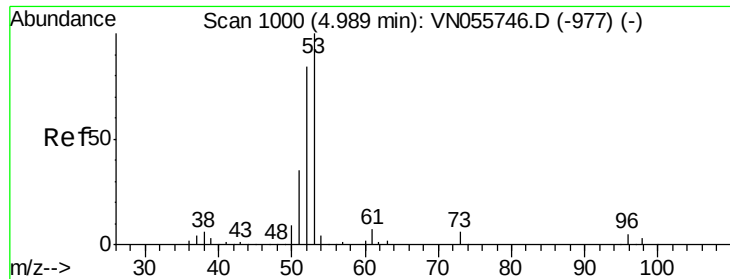


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

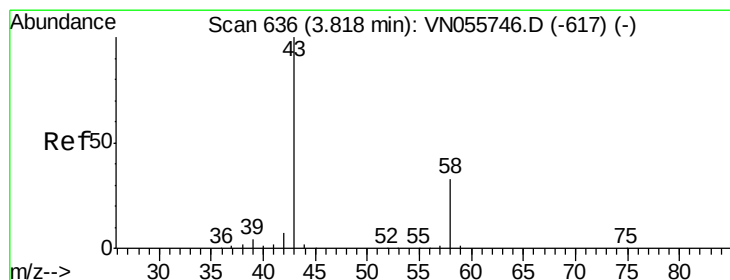
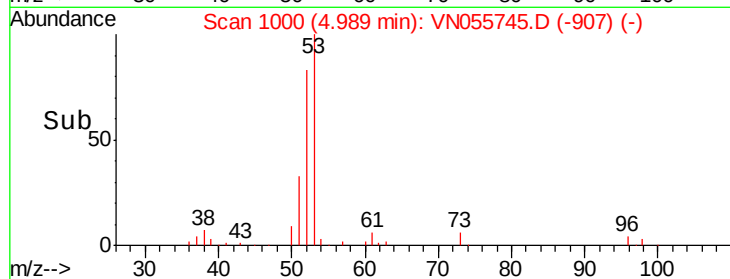
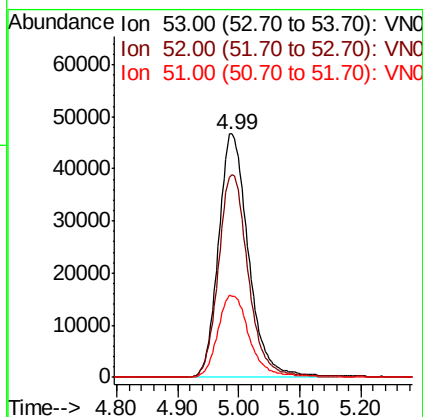
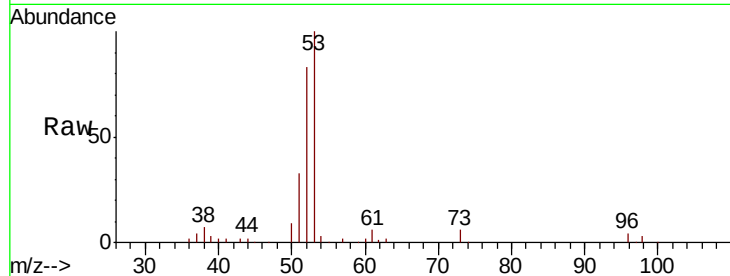




#15
 Acrylonitrile
 Concen: 103.479 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN055745.D
 Acq: 23 May 2019 10:10

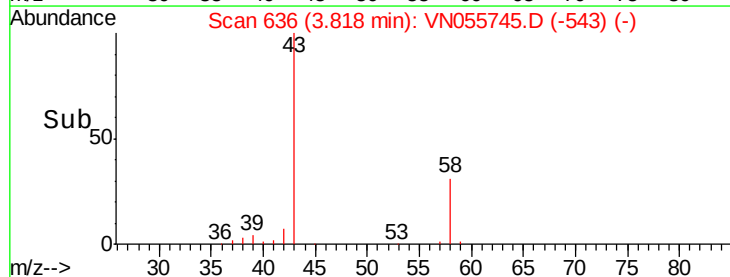
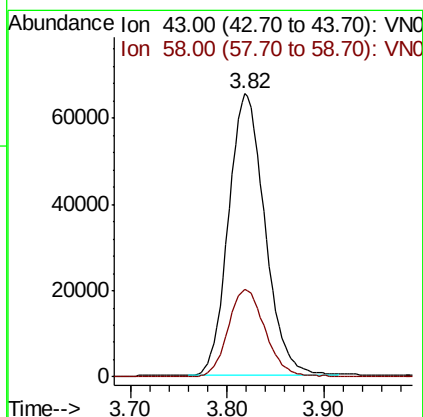
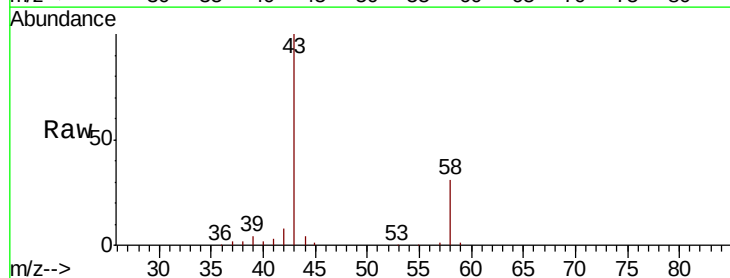
Instrument :
 MSVOA_N
 ClientSampled :

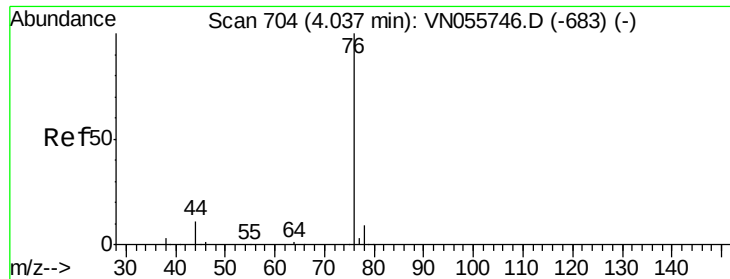
Tot Ion: 53 Resp: 159734
 Ion Ratio Lower Upper
 53 100
 52 82.7 65.8 98.8
 51 35.3 28.2 42.4



#16
 Acetone
 Concen: 111.916 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN055745.D
 Acq: 23 May 2019 10:10

Tgt Ion: 43 Resp: 170789
 Ion Ratio Lower Upper
 43 100
 58 30.9 26.6 39.8





#17

Carbon Disulfide

Concen: 19.163 ug/l

RT: 4.04 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

Instrument :

MSVOA_N

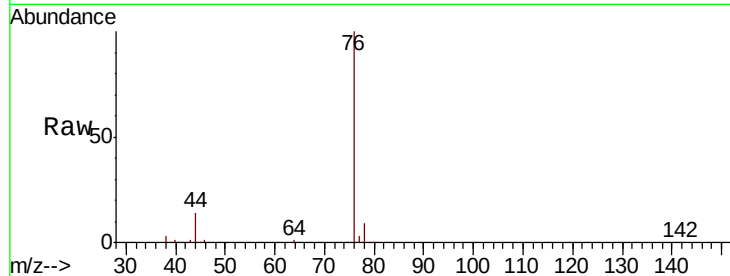
ClientSampleId :

Tot Ion: 76 Resp: 164155

Ion Ratio Lower Upper

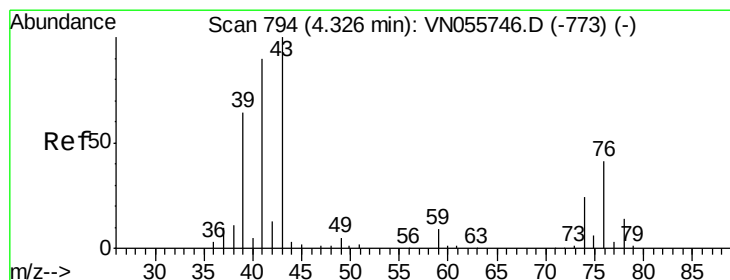
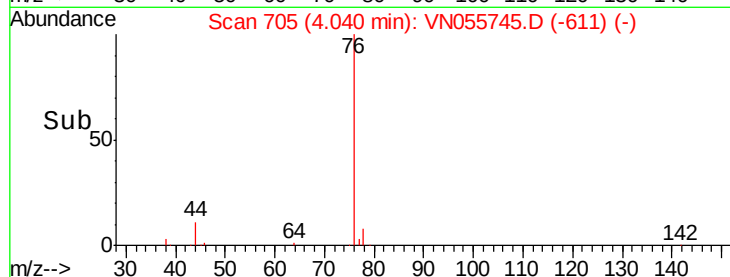
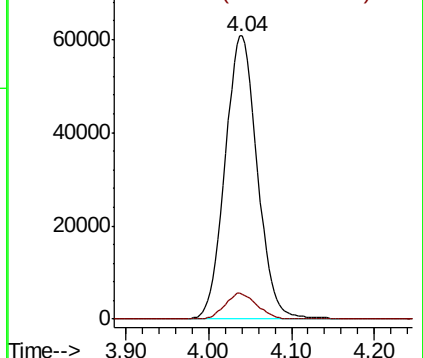
76 100

78 8.9 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 20.471 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055745.D

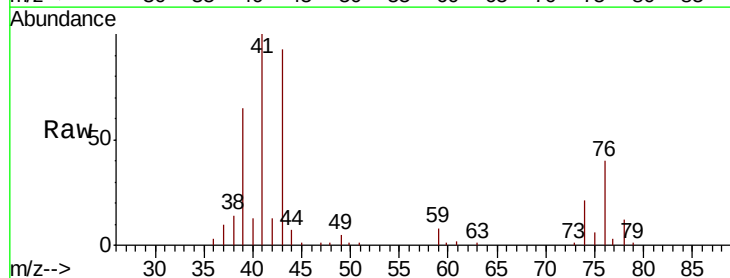
Acq: 23 May 2019 10:10

Tgt Ion: 43 Resp: 66781

Ion Ratio Lower Upper

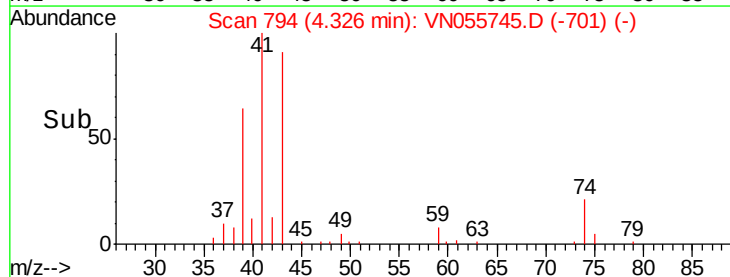
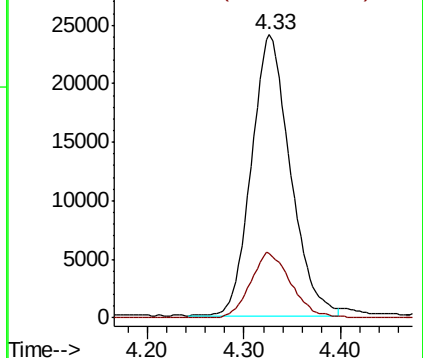
43 100

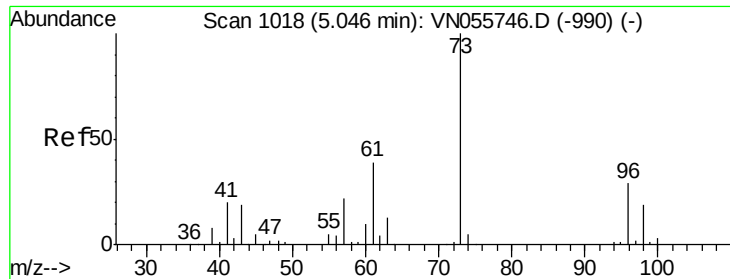
74 24.0 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

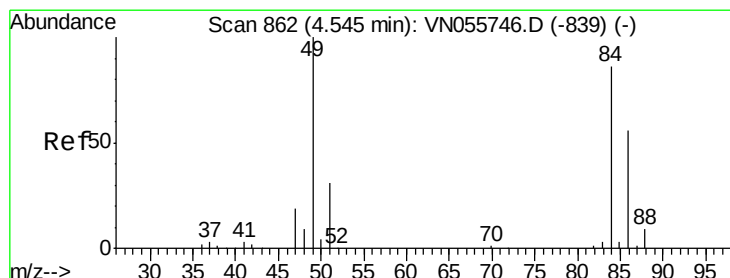
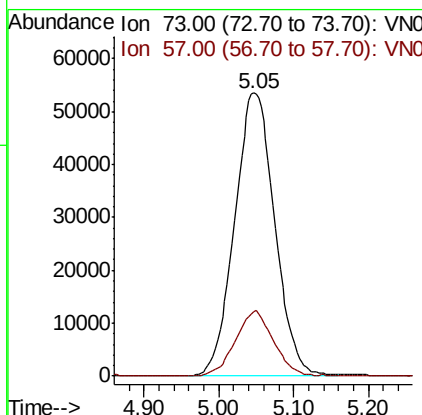
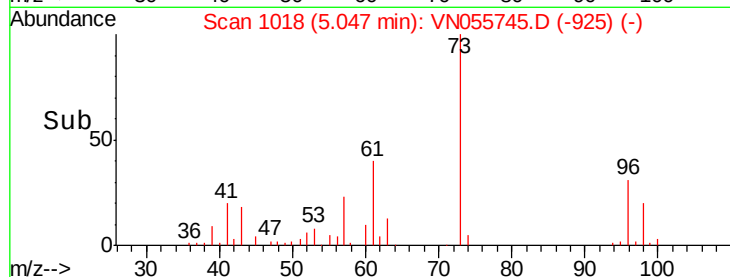
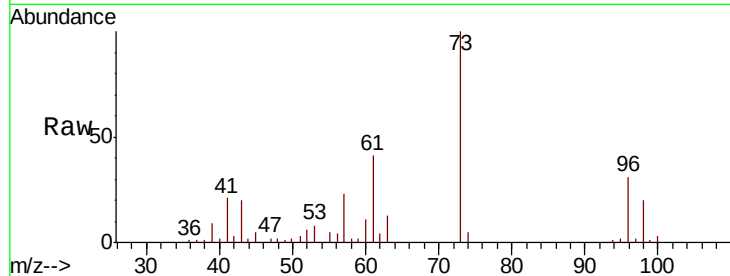




#19
Methyl tert-butyl Ether
Concen: 19.646 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055745.D
Acq: 23 May 2019 10:10

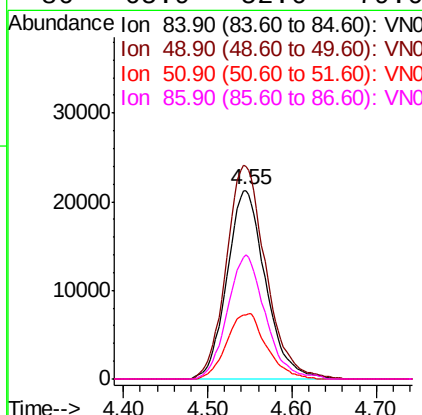
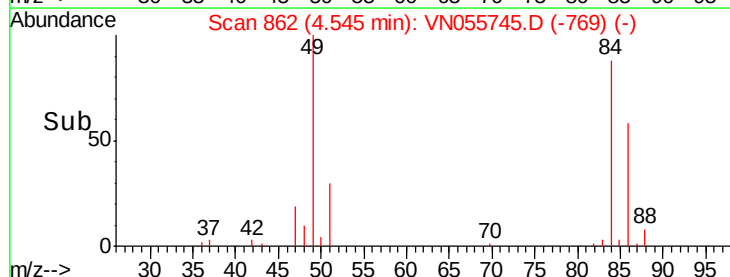
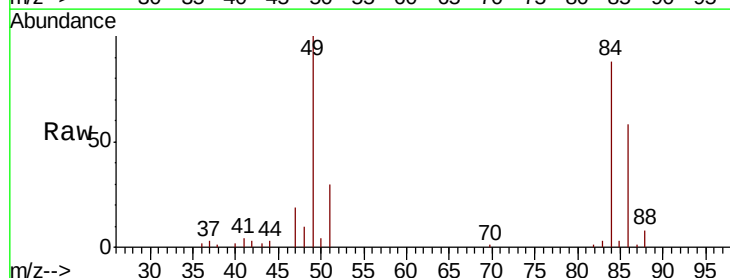
Instrument :
MSVOA_N
ClientSampled :

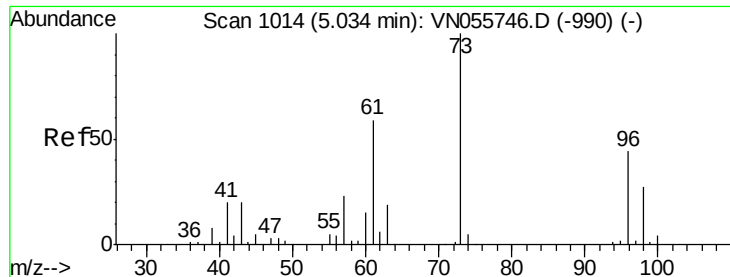
Tot Ion: 73 Resp: 199903
Ion Ratio Lower Upper
73 100
57 23.0 17.8 26.8



#20
Methylene Chloride
Concen: 19.572 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN055745.D
Acq: 23 May 2019 10:10

Tgt Ion: 84 Resp: 67568
Ion Ratio Lower Upper
84 100
49 113.1 93.5 140.3
51 34.3 28.6 43.0
86 65.9 52.6 79.0

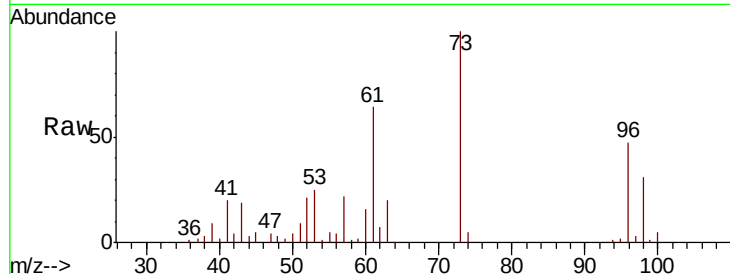




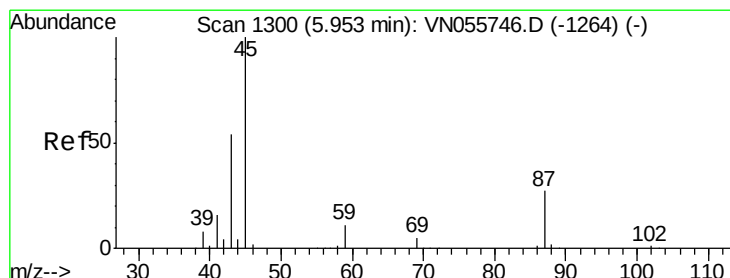
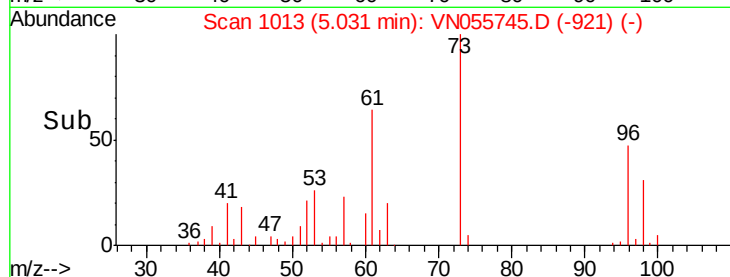
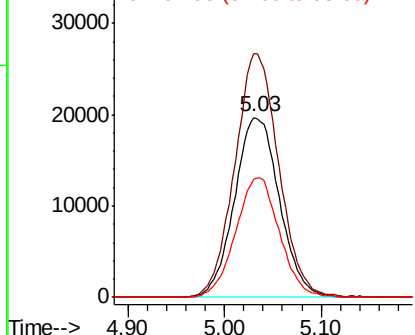
#21
trans-1,2-Dichloroethene
Concen: 19.363 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VN055745.D
Acq: 23 May 2019 10:10

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 63518
Ion Ratio Lower Upper
96 100
61 135.5 107.8 161.8
98 65.8 49.8 74.8

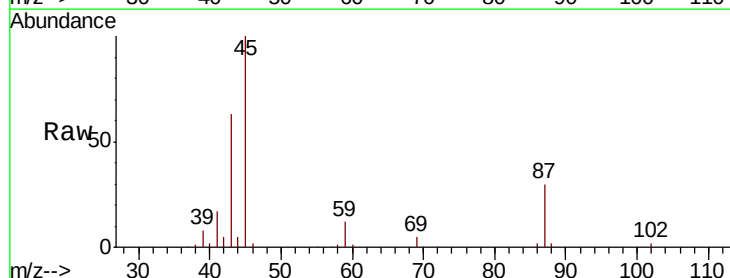


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

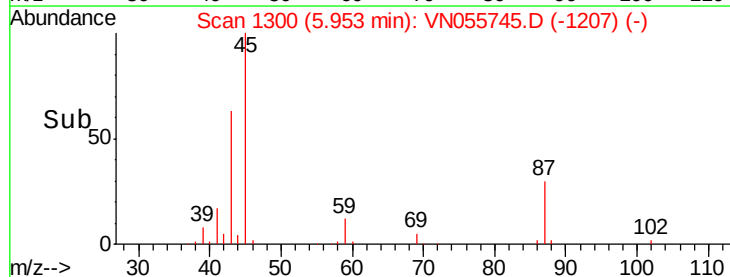
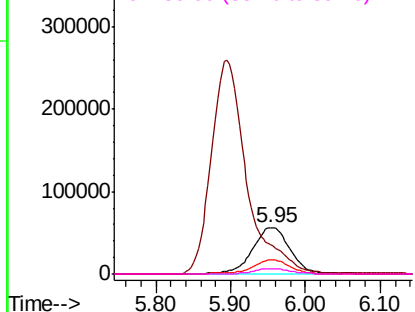


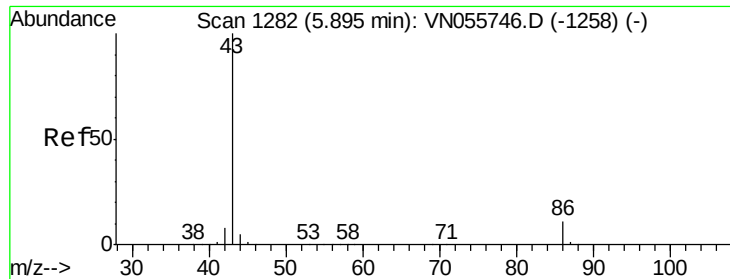
#22
Diisopropyl ether
Concen: 19.935 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN055745.D
Acq: 23 May 2019 10:10

Tgt Ion: 45 Resp: 197585
Ion Ratio Lower Upper
45 100
43 60.1 45.0 67.6
87 29.4 22.2 33.4
59 11.8 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

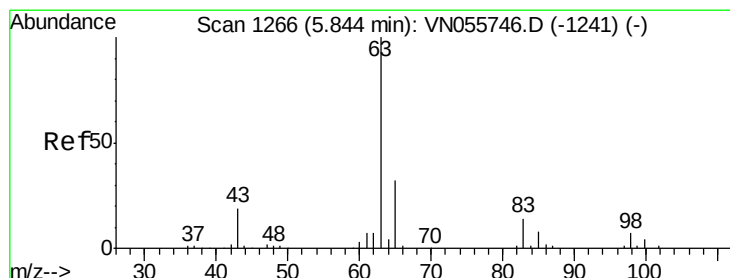
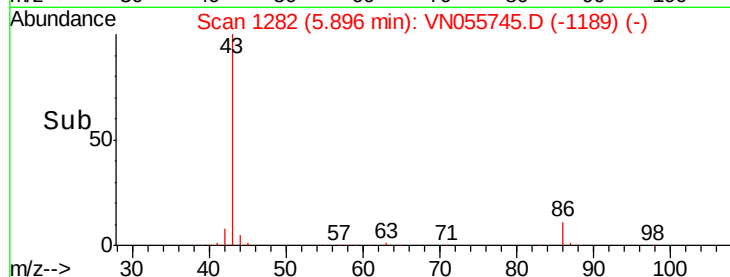
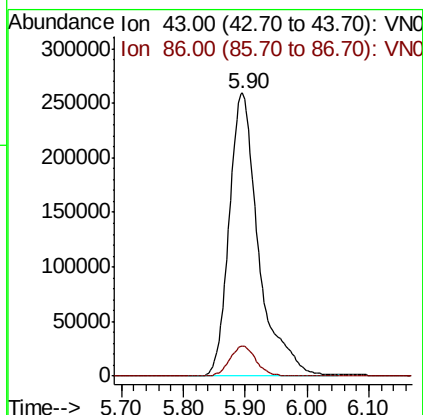
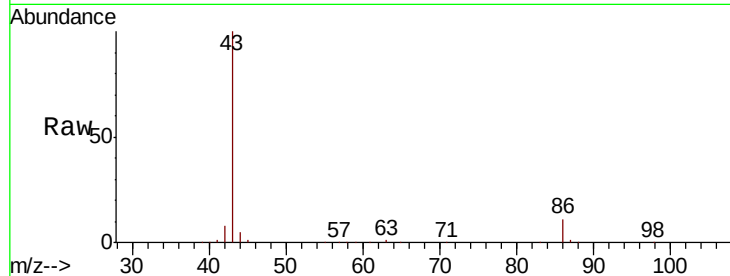




#23
 Vinyl Acetate
 Concen: 102.063 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN055745.D
 Acq: 23 May 2019 10:10

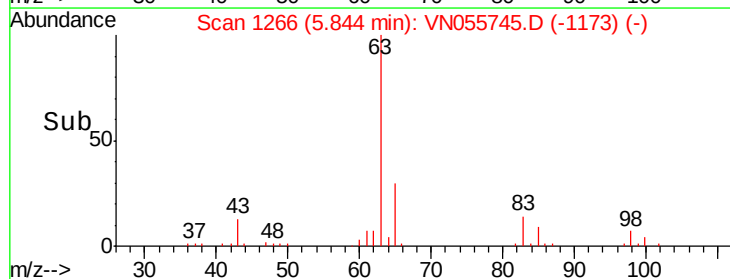
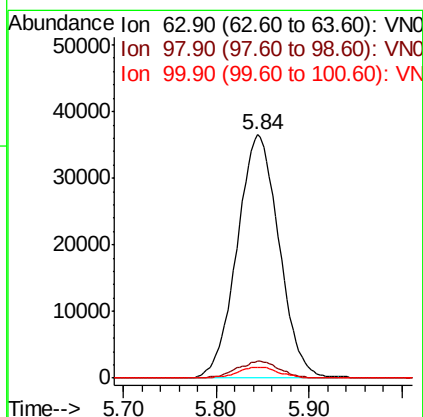
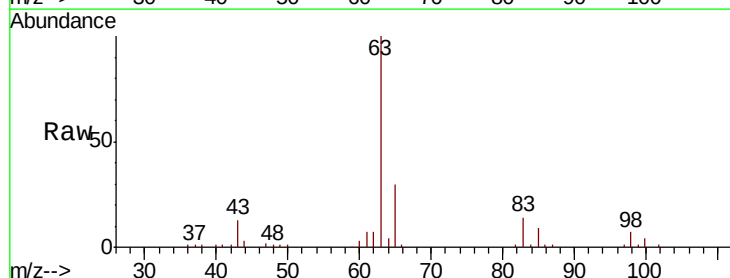
Instrument :
 MSVOA_N
 ClientSampled :

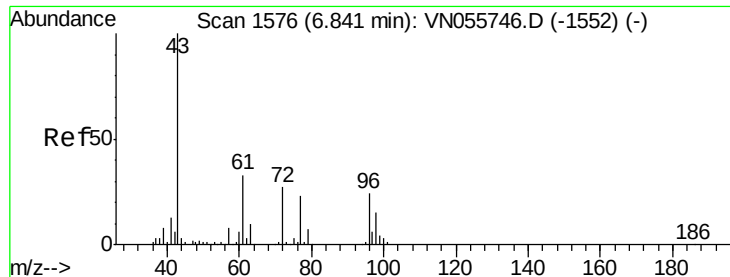
Tot Ion: 43 Resp: 858131
 Ion Ratio Lower Upper
 43 100
 86 10.7 8.6 13.0



#24
 1,1-Dichloroethane
 Concen: 19.865 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VN055745.D
 Acq: 23 May 2019 10:10

Tgt Ion: 63 Resp: 114686
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.4 10.1
 100 4.3 2.2 6.6

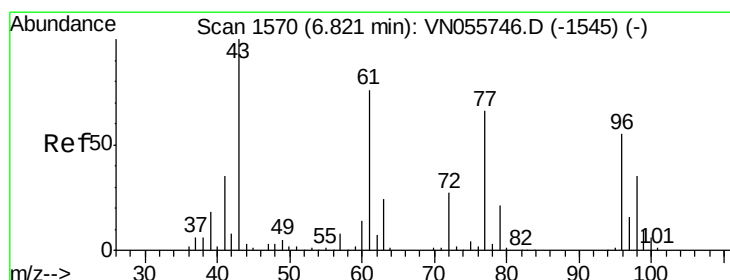
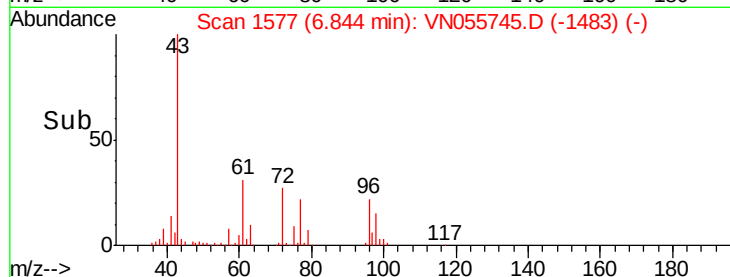
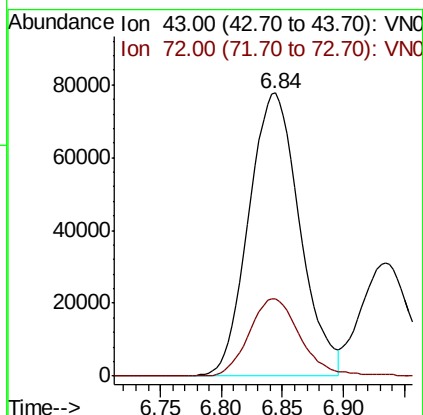
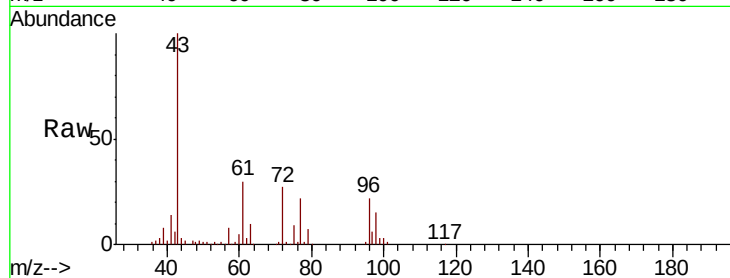




#25
2-Butanone
Concen: 105.332 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN055745.D
Acq: 23 May 2019 10:10

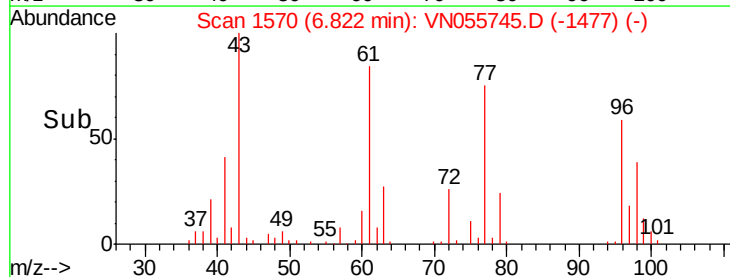
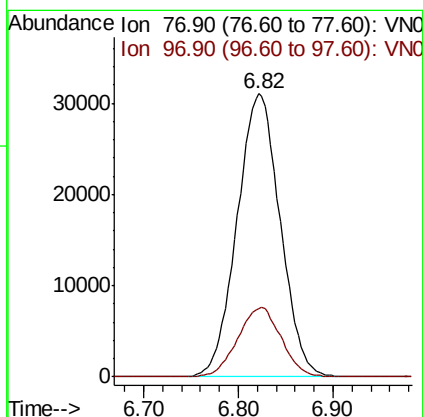
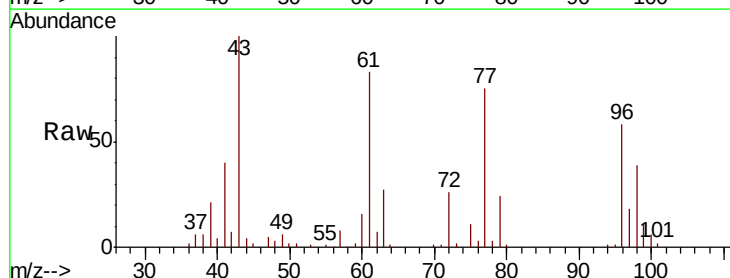
Instrument :
MSVOA_N
ClientSampled :

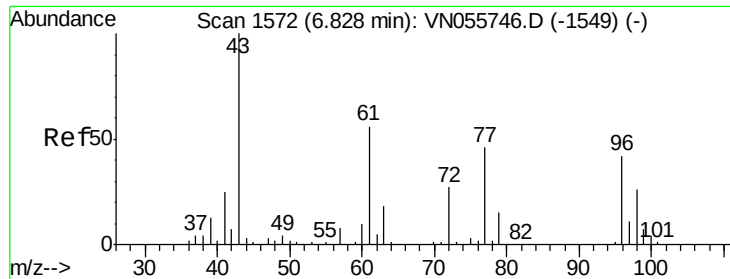
Tot Ion: 43 Resp: 224006
Ion Ratio Lower Upper
43 100
72 27.4 21.9 32.9



#26
2,2-Dichloropropane
Concen: 19.199 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VN055745.D
Acq: 23 May 2019 10:10

Tgt Ion: 77 Resp: 98162
Ion Ratio Lower Upper
77 100
97 24.7 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 19.385 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

Instrument :
MSVOA_N
ClientSampled :

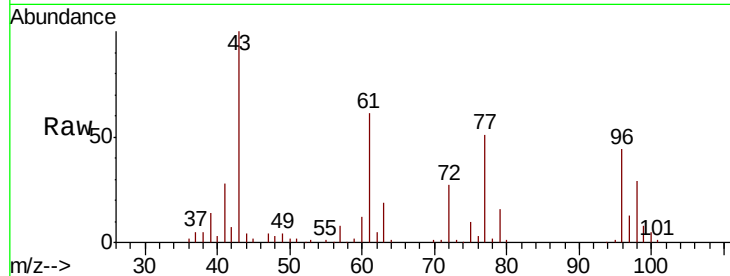
Tot Ion: 96 Resp: 74306

Ion Ratio Lower Upper

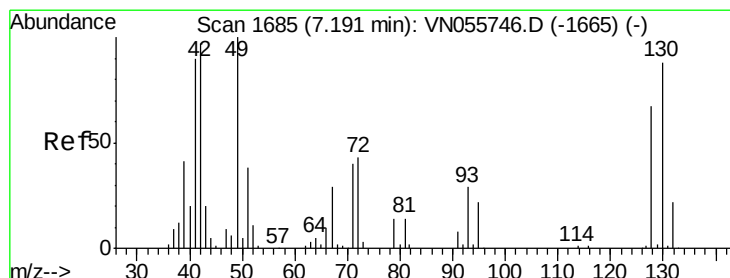
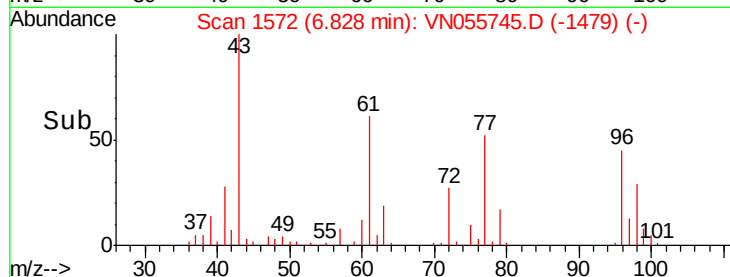
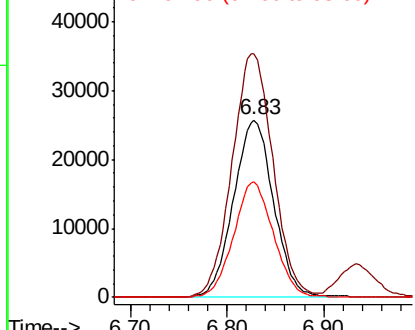
96 100

61 140.1 0.0 275.8

98 64.7 0.0 128.4



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



#28

Bromochloromethane

Concen: 23.625 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

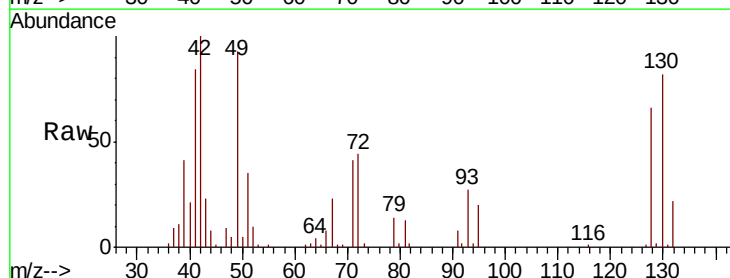
Tgt Ion: 49 Resp: 60223

Ion Ratio Lower Upper

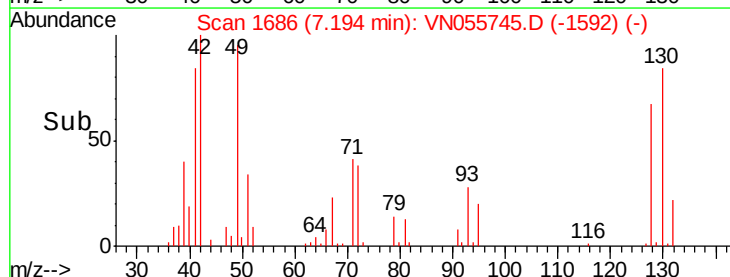
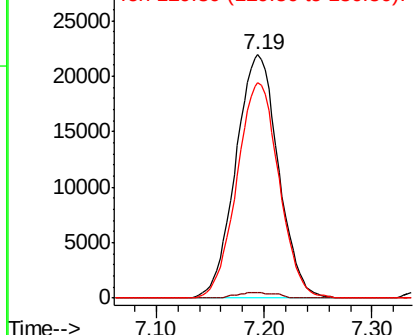
49 100

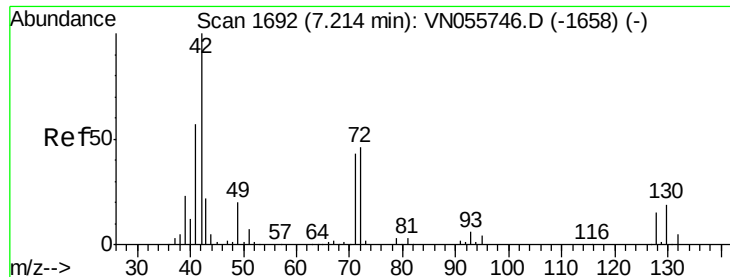
129 2.1 0.0 4.4

130 87.6 71.2 106.8



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

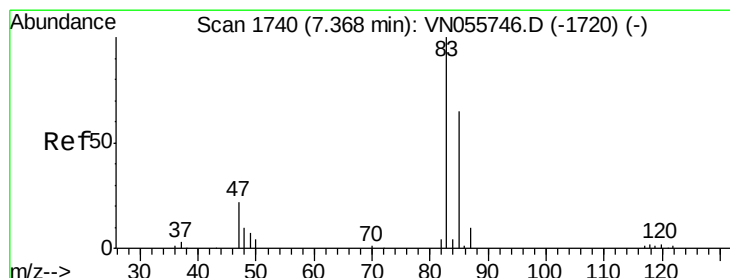
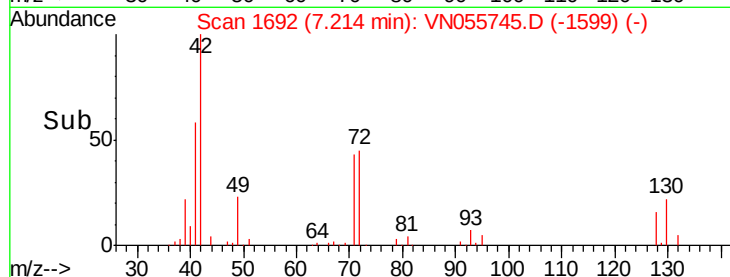
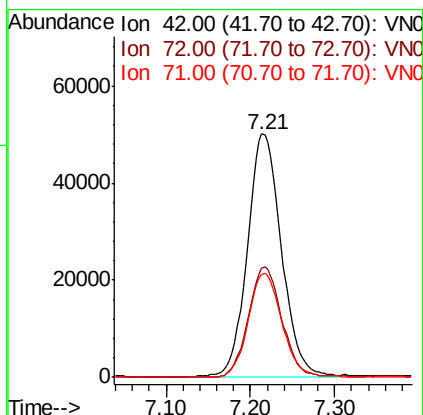
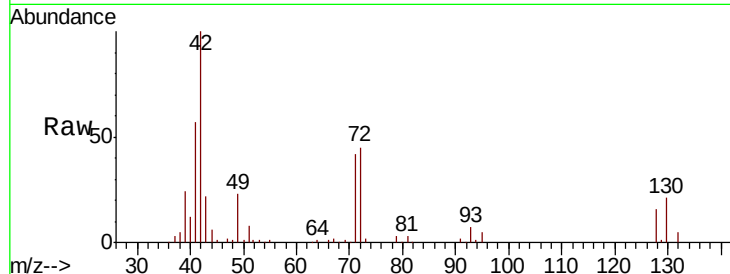




#29
Tetrahydrofuran
Concen: 100.347 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN055745.D
Acq: 23 May 2019 10:10

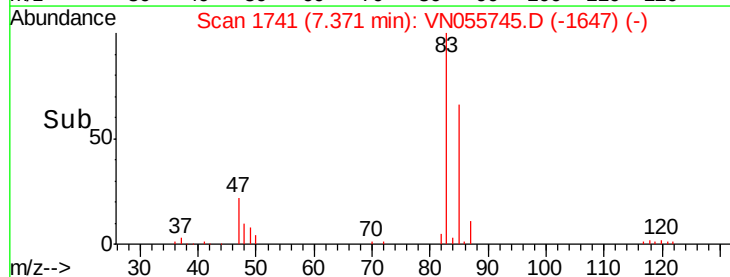
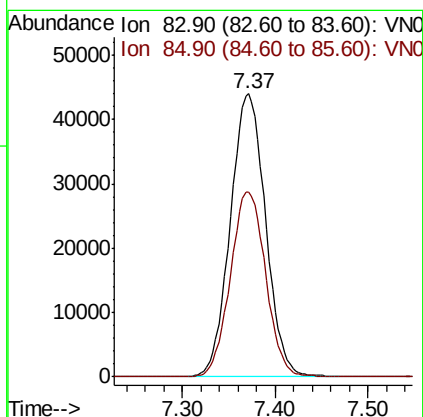
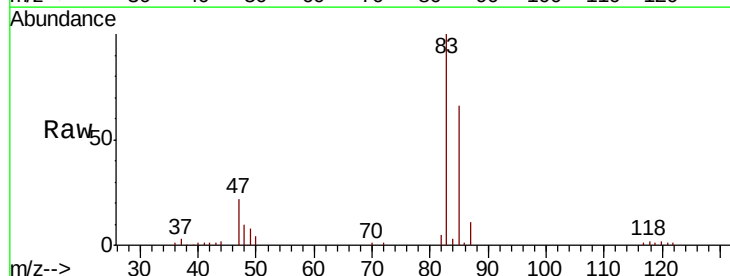
Instrument :
MSVOA_N
ClientSampled :

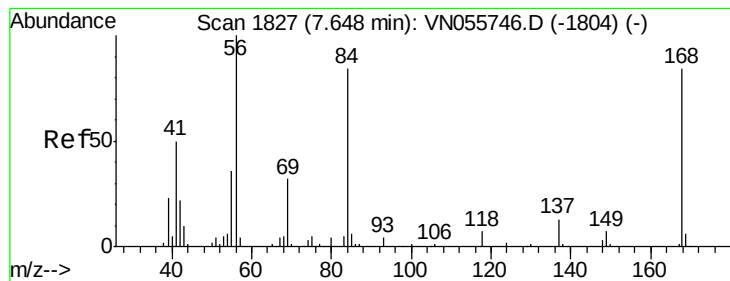
Tot Ion: 42 Resp: 141091
Ion Ratio Lower Upper
42 100
72 44.6 35.9 53.9
71 42.2 34.0 51.0



#30
Chloroform
Concen: 19.494 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055745.D
Acq: 23 May 2019 10:10

Tgt Ion: 83 Resp: 115924
Ion Ratio Lower Upper
83 100
85 65.5 51.8 77.8





#31

Cyclohexane

Concen: 19.963 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

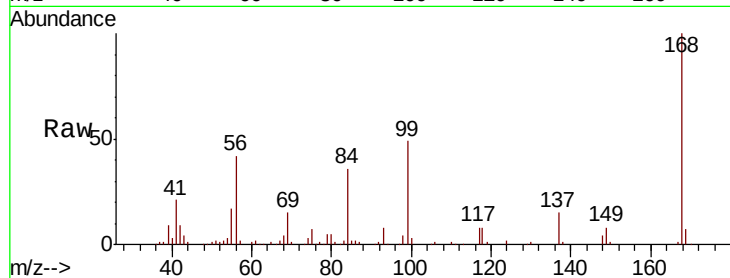
Tot Ion: 56 Resp: 109952

Ion Ratio Lower Upper

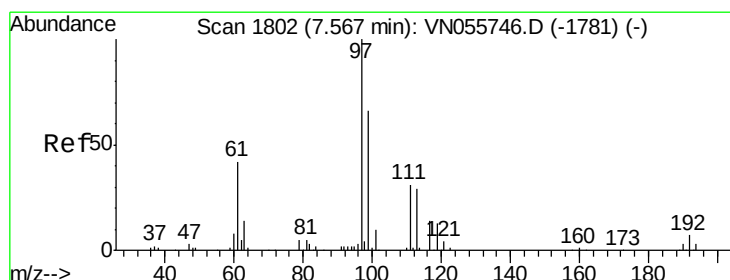
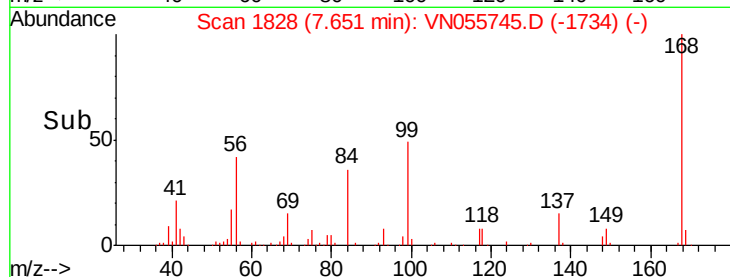
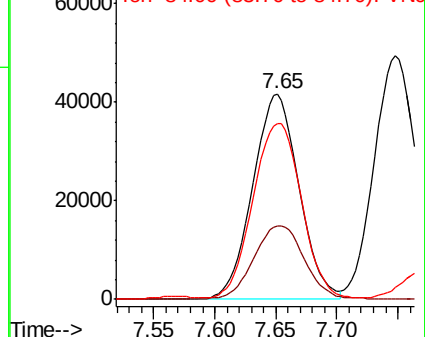
56 100

69 35.9 25.6 38.4

84 84.4 67.4 101.0



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



#32

1,1,1-Trichloroethane

Concen: 19.445 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

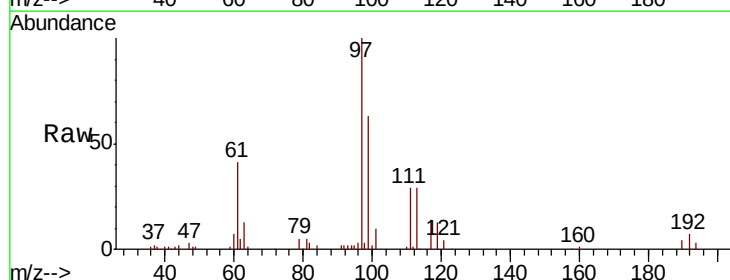
Tgt Ion: 97 Resp: 103516

Ion Ratio Lower Upper

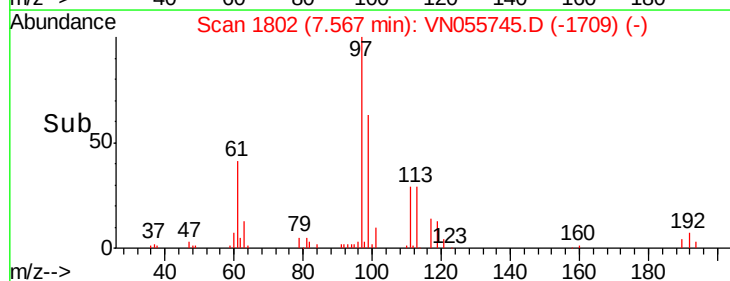
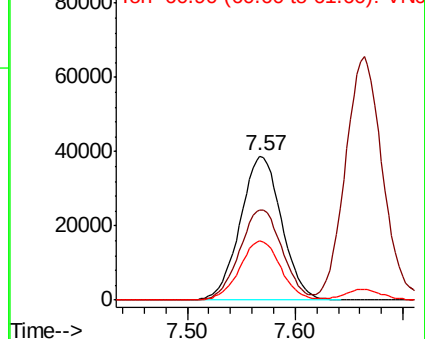
97 100

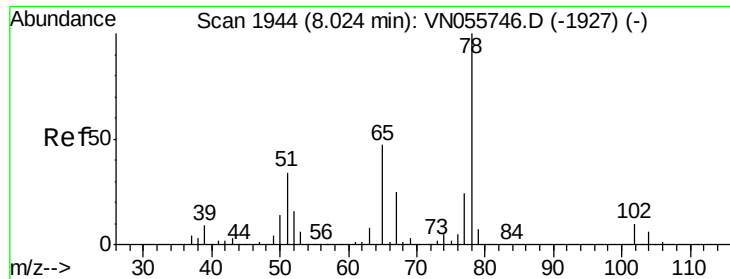
99 64.4 52.0 78.0

61 40.7 32.9 49.3



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

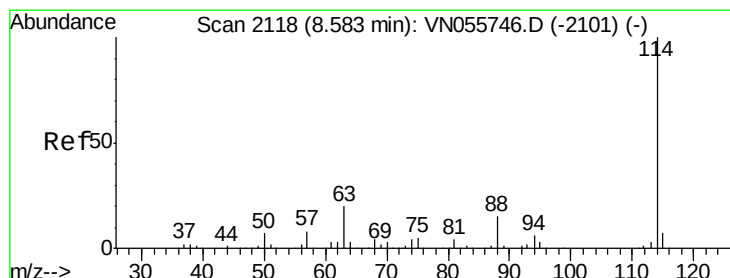
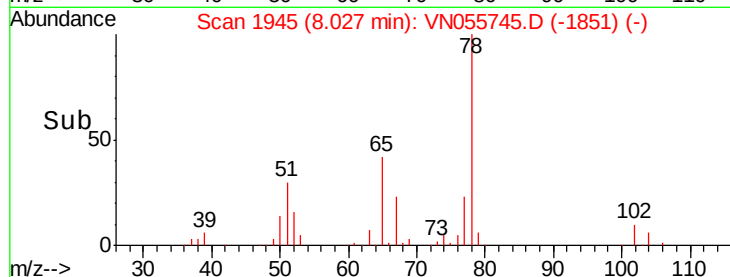
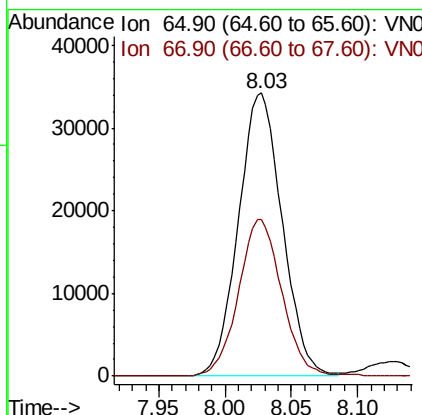
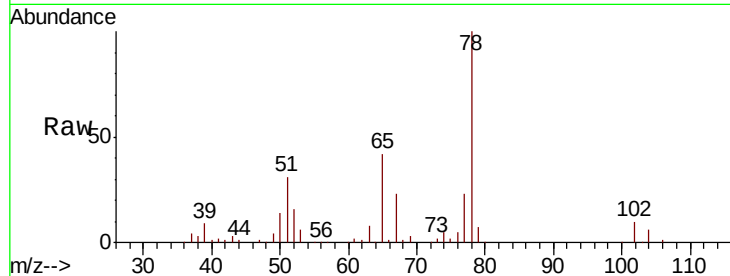




#33
 1,2-Dichloroethane-d4
 Concen: 21.271 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055745.D
 Acq: 23 May 2019 10:10

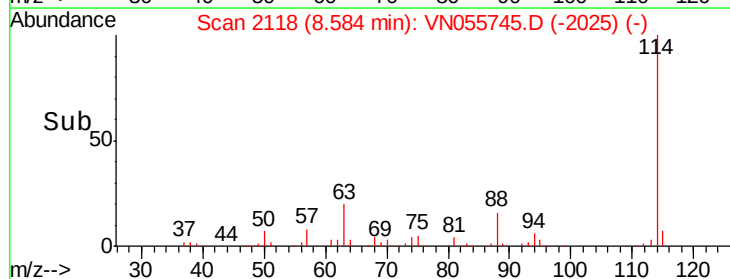
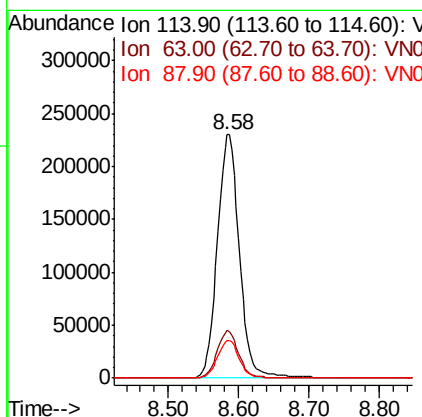
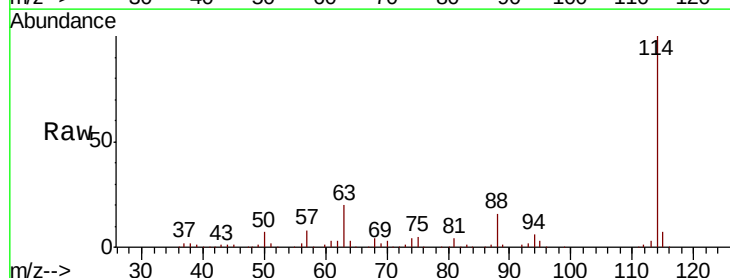
Instrument :
 MSVOA_N
 ClientSampled :

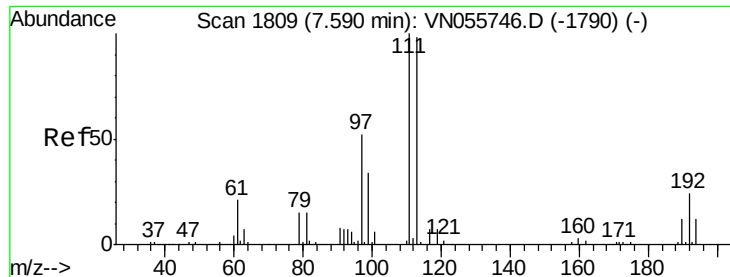
Tot Ion: 65 Resp: 78649
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055745.D
 Acq: 23 May 2019 10:10

Tgt Ion: 114 Resp: 500917
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.2
 88 15.7 0.0 31.0

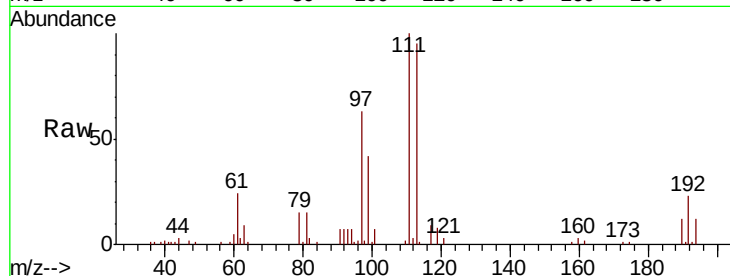




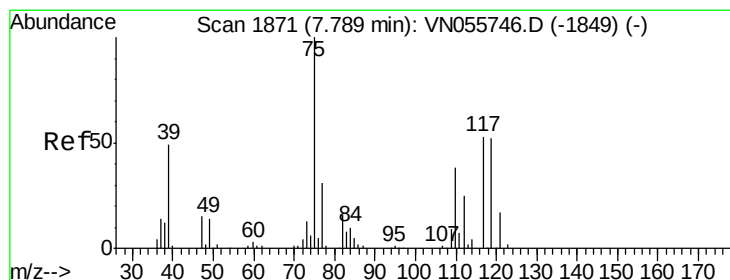
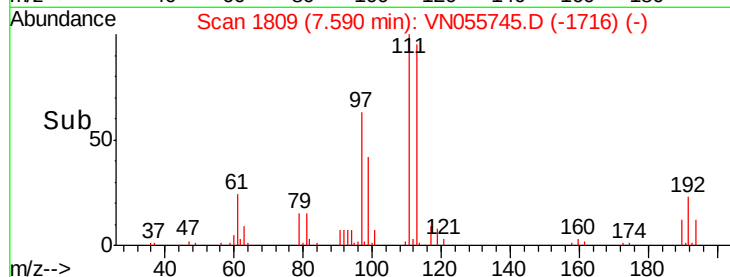
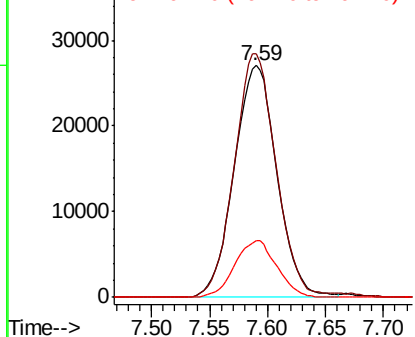
#35
 Dibromofluoromethane
 Concen: 21.877 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055745.D
 Acq: 23 May 2019 10:10

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:113 Resp: 69494
 Ion Ratio Lower Upper
 113 100
 111 102.7 81.9 122.9
 192 23.9 19.5 29.3

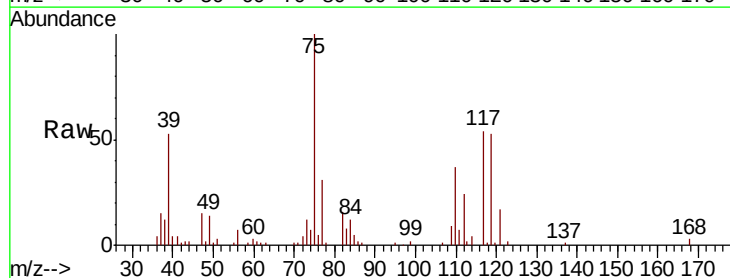


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

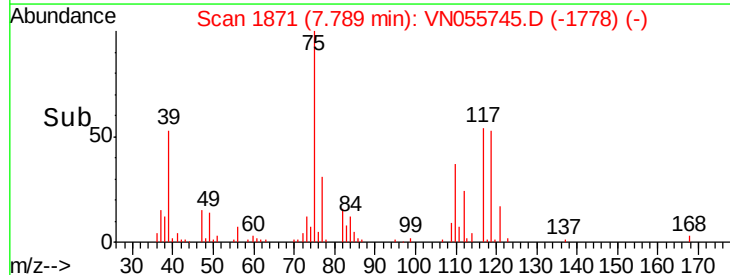
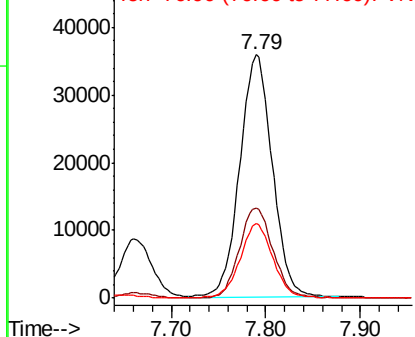


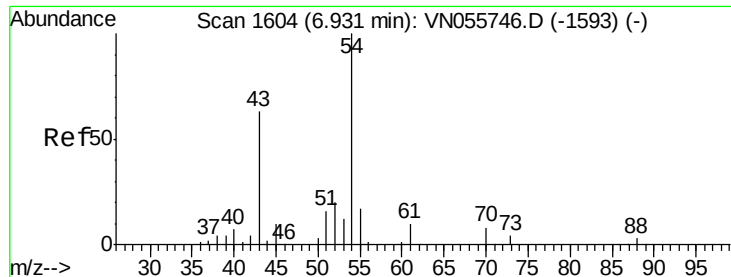
#36
 1,1-Dichloropropene
 Concen: 19.335 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055745.D
 Acq: 23 May 2019 10:10

Tgt Ion: 75 Resp: 85910
 Ion Ratio Lower Upper
 75 100
 110 38.1 19.0 57.0
 77 30.8 25.1 37.7



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

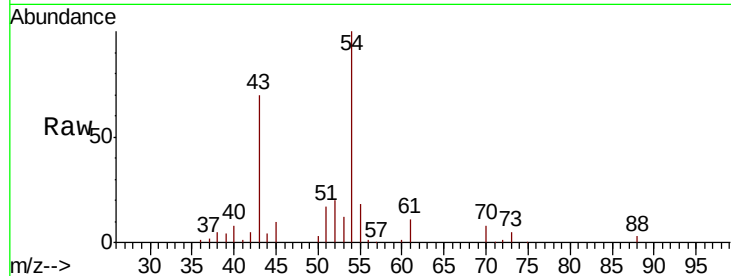




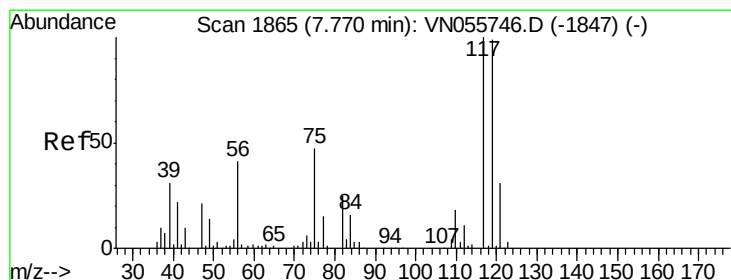
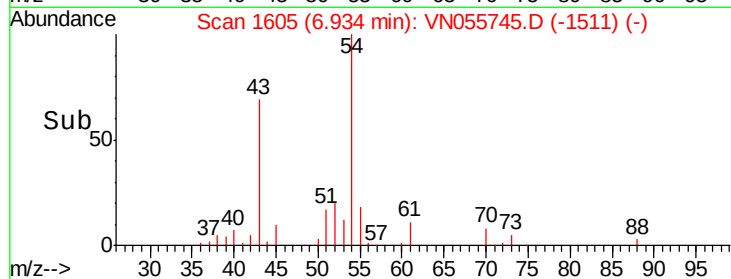
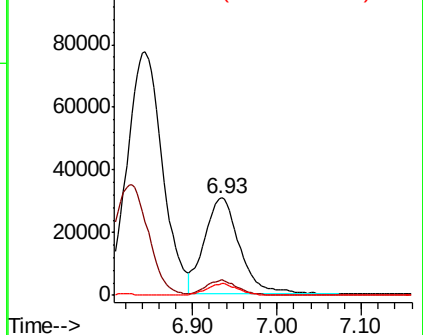
#37
Ethyl Acetate
Concen: 22.259 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055745.D
Acq: 23 May 2019 10:10

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 89621
Ion Ratio Lower Upper
43 100
61 14.7 12.2 18.2
70 10.9 8.9 13.3

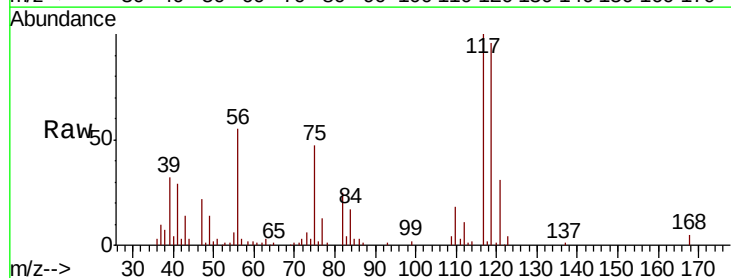


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

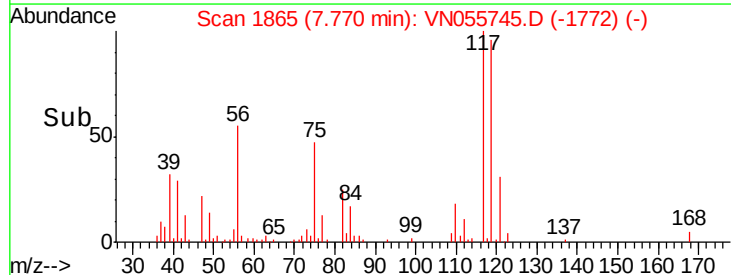
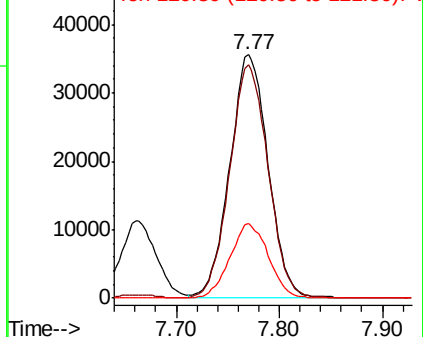


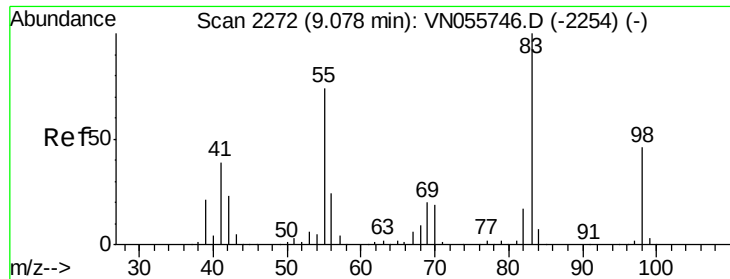
#38
Carbon Tetrachloride
Concen: 19.426 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055745.D
Acq: 23 May 2019 10:10

Tgt Ion: 117 Resp: 92410
Ion Ratio Lower Upper
117 100
119 95.8 79.0 118.6
121 30.5 24.7 37.1



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

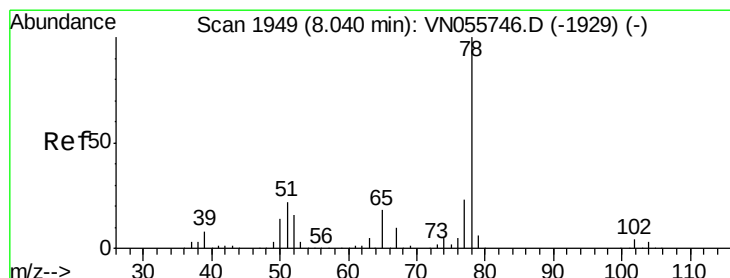
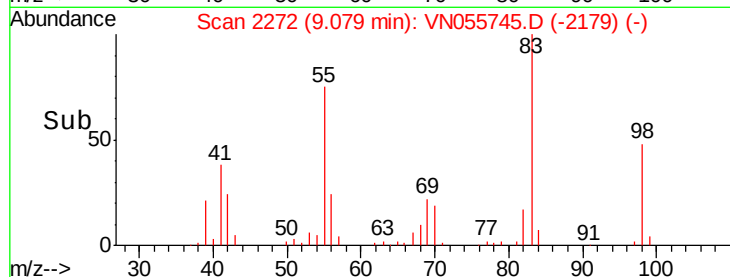
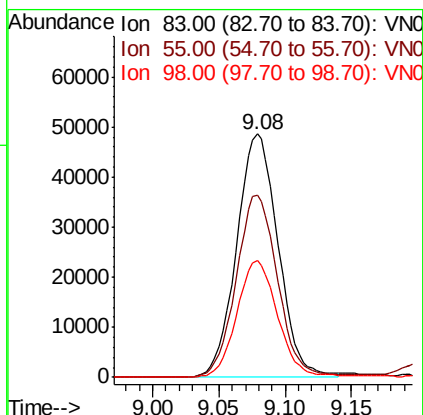
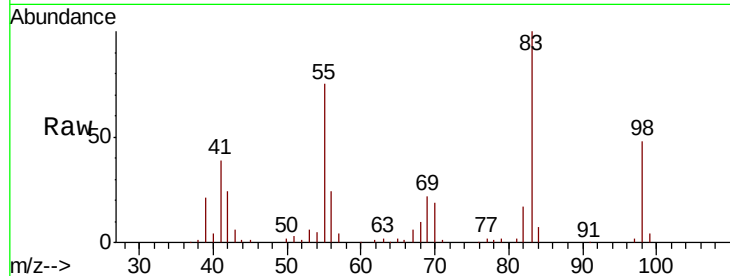




#39
Methylvlcyclohexane
Concen: 19.665 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055745.D
Acq: 23 May 2019 10:10

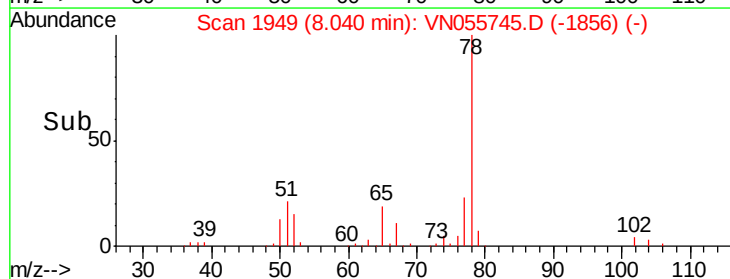
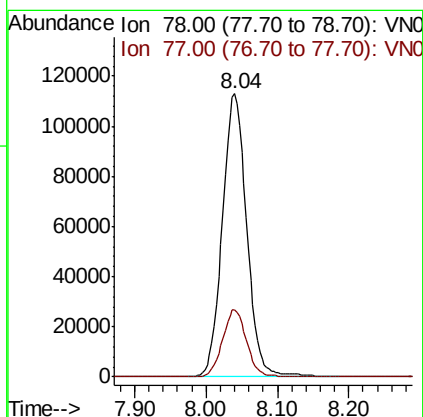
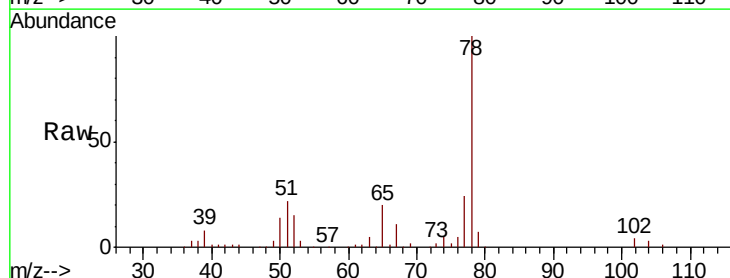
Instrument :
MSVOA_N
ClientSampled :

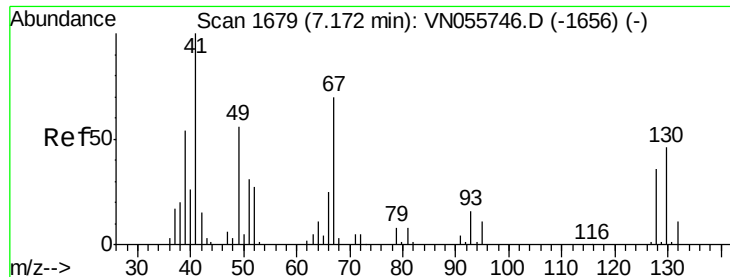
Tot Ion: 83 Resp: 105965
Ion Ratio Lower Upper
83 100
55 74.7 59.3 88.9
98 47.8 36.6 54.8



#40
Benzene
Concen: 20.467 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055745.D
Acq: 23 May 2019 10:10

Tgt Ion: 78 Resp: 269073
Ion Ratio Lower Upper
78 100
77 23.6 18.8 28.2

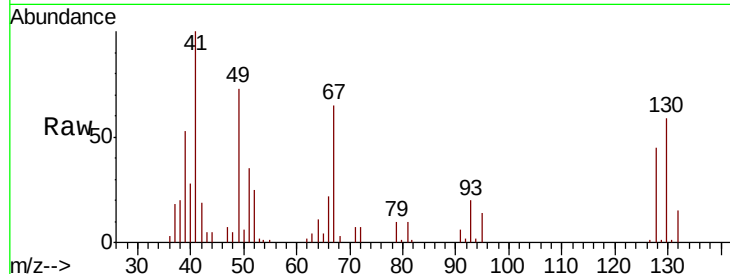




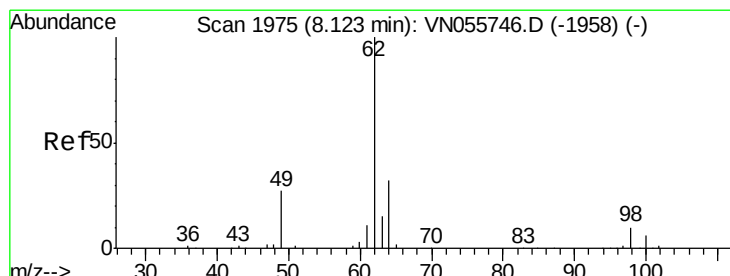
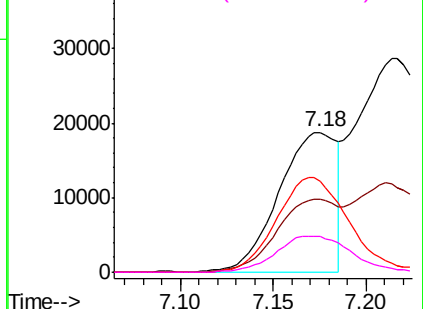
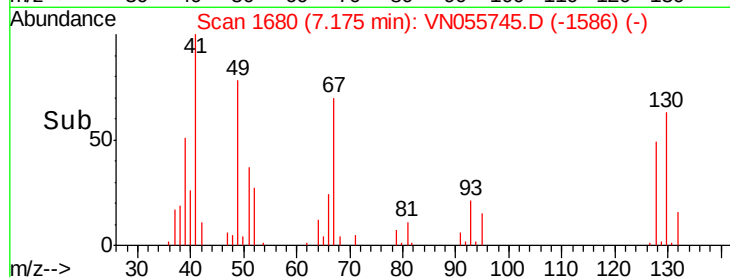
#41
Methacrylonitrile
Concen: 23.358 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055745.D
Acq: 23 May 2019 10:10

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 40825
Ion Ratio Lower Upper
41 100
39 57.5 45.6 68.4
67 85.1 67.7 101.5
52 34.2 26.6 40.0

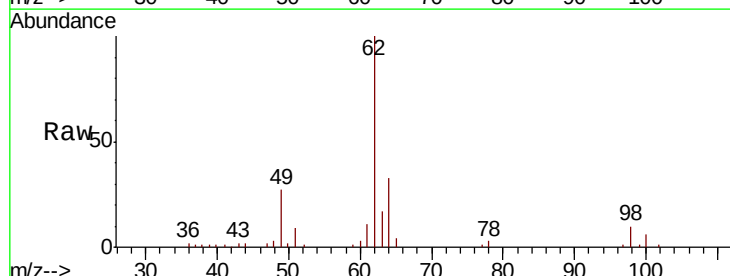


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

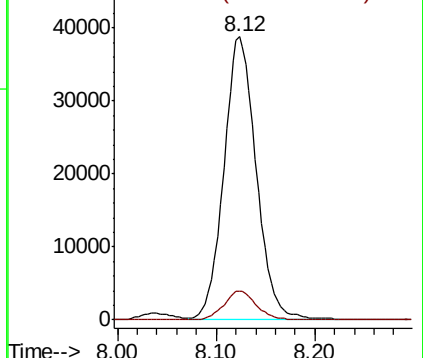
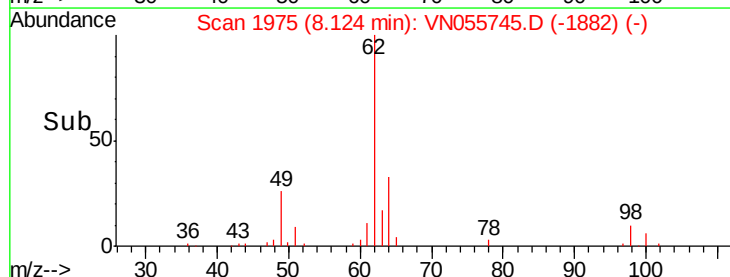


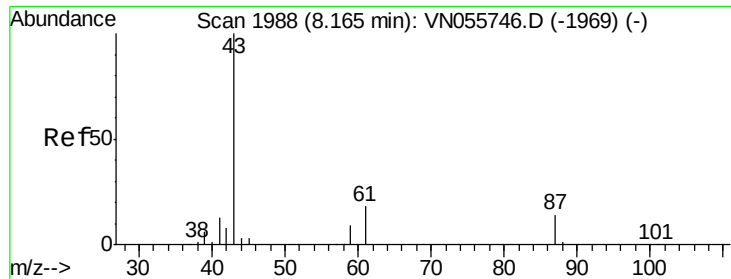
#42
1,2-Dichloroethane
Concen: 20.933 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055745.D
Acq: 23 May 2019 10:10

Tgt Ion: 62 Resp: 88949
Ion Ratio Lower Upper
62 100
98 10.1 0.0 20.2



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 19.968 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

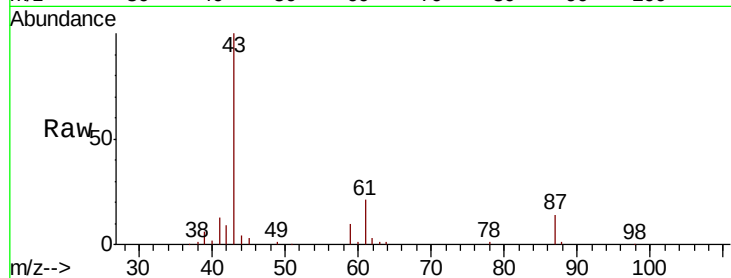
Tot Ion: 43 Resp: 140062

Ion Ratio Lower Upper

43 100

61 21.3 22.2 33.4#

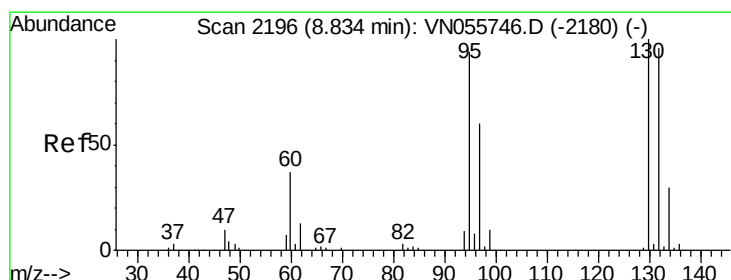
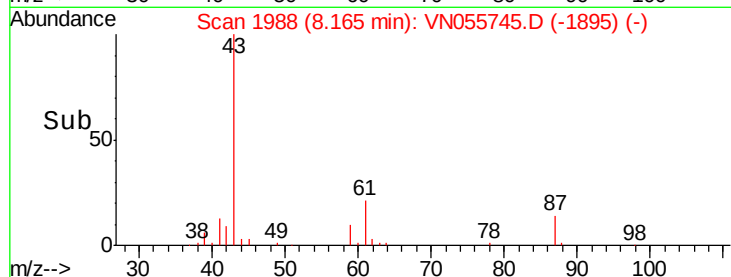
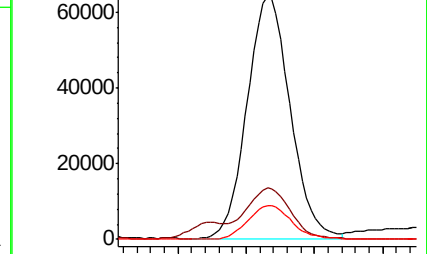
87 14.3 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VN055746.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN055746.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN055746.D (-1969) (-)



#44

Trichloroethene

Concen: 20.022 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055745.D

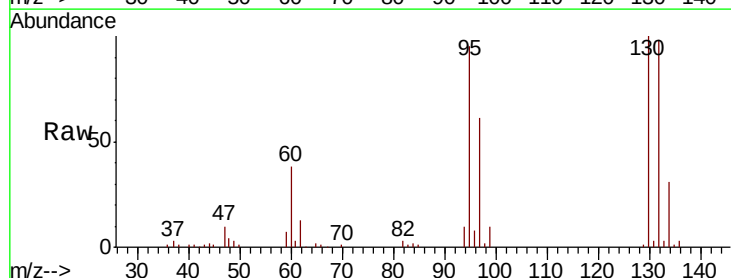
Acq: 23 May 2019 10:10

Tgt Ion:130 Resp: 74207

Ion Ratio Lower Upper

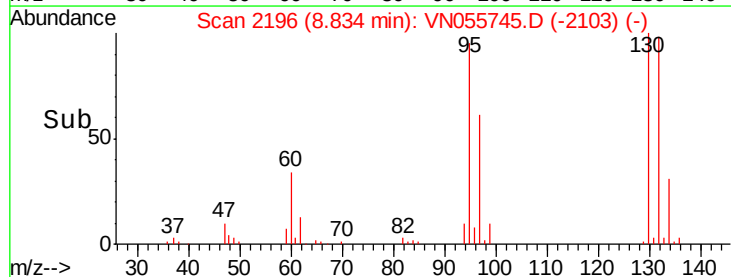
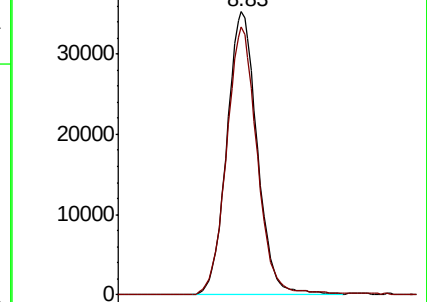
130 100

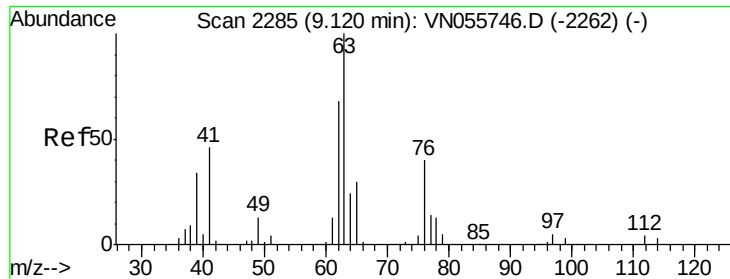
95 94.6 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): VN055746.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN055746.D (-2180) (-)

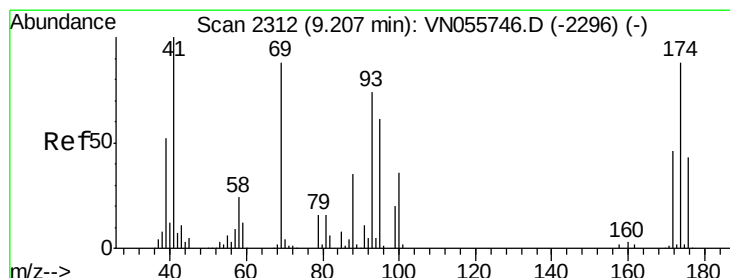
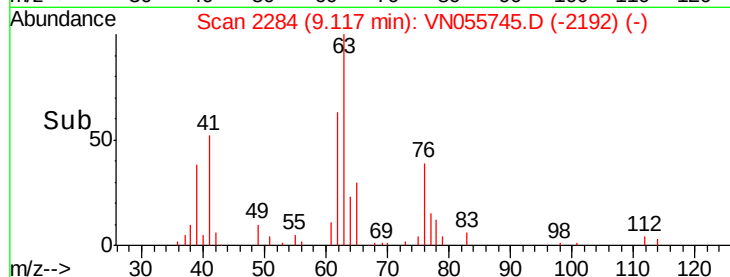
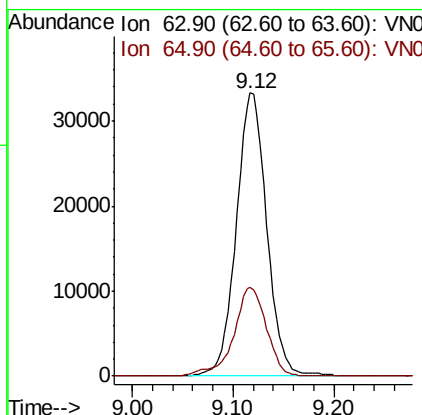
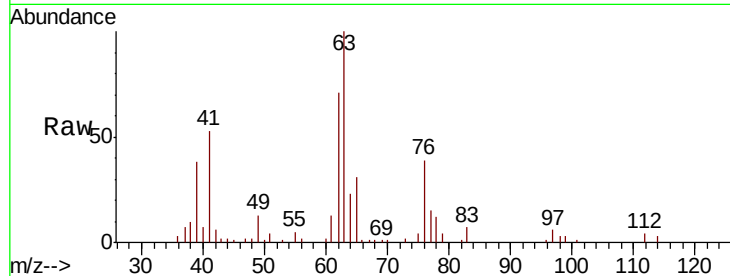




#45
 1,2-Dichloropropane
 Concen: 20.170 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055745.D
 Acq: 23 May 2019 10:10

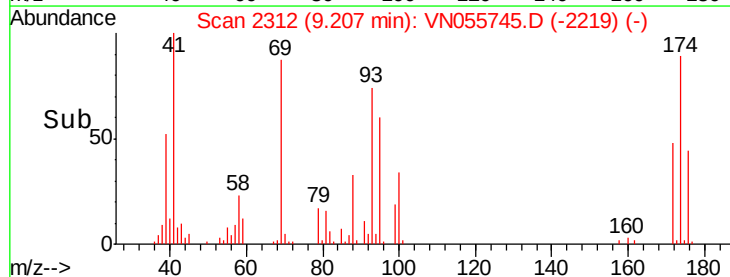
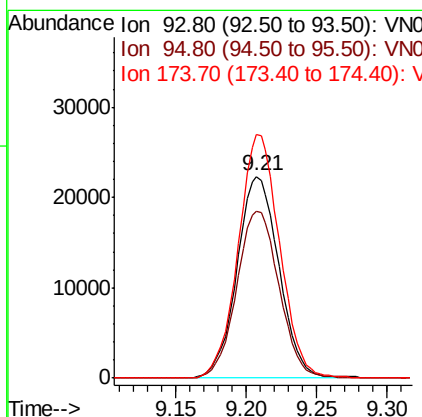
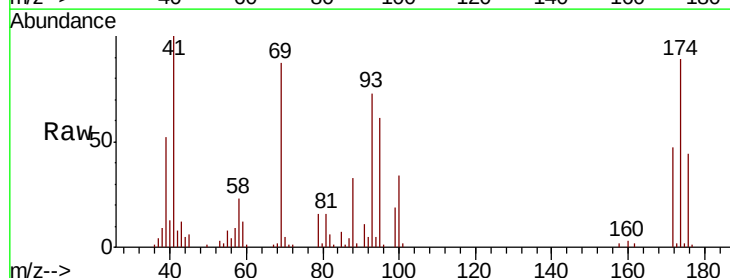
Instrument :
 MSVOA_N
 ClientSampleId :

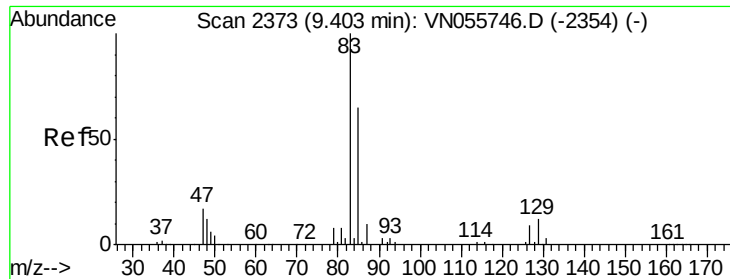
Tot Ion: 63 Resp: 69781
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.6 36.8



#46
 Dibromomethane
 Concen: 20.472 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055745.D
 Acq: 23 May 2019 10:10

Tgt Ion: 93 Resp: 46426
 Ion Ratio Lower Upper
 93 100
 95 83.7 66.7 100.1
 174 119.3 96.4 144.6





#47

Bromodichloromethane

Concen: 19.605 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

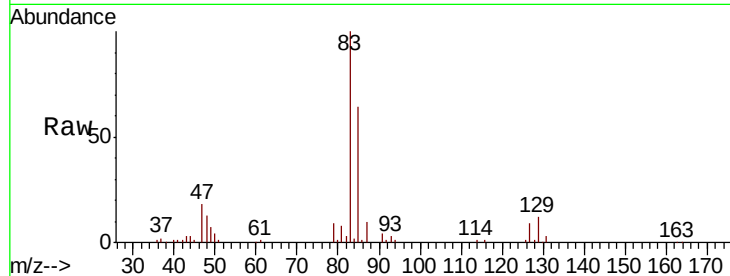
Tot Ion: 83 Resp: 92795

Ion Ratio Lower Upper

83 100

85 64.3 52.2 78.2

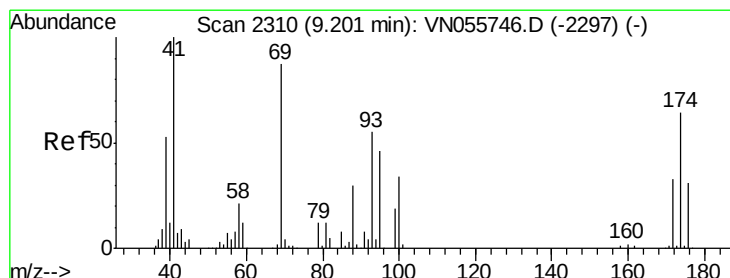
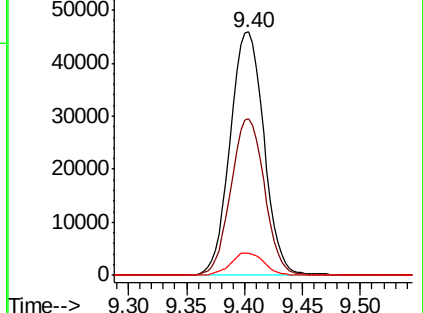
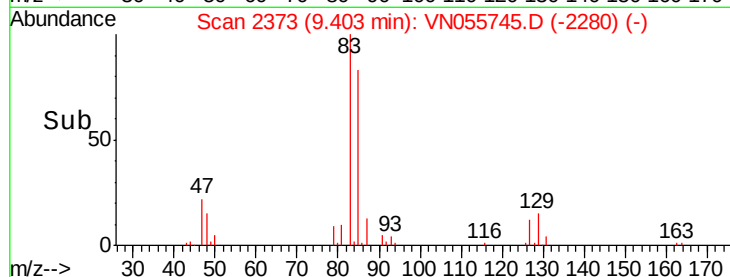
127 9.2 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN055745.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055745.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055745.D (-2280) (-)



#48

Methyl methacrylate

Concen: 21.766 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

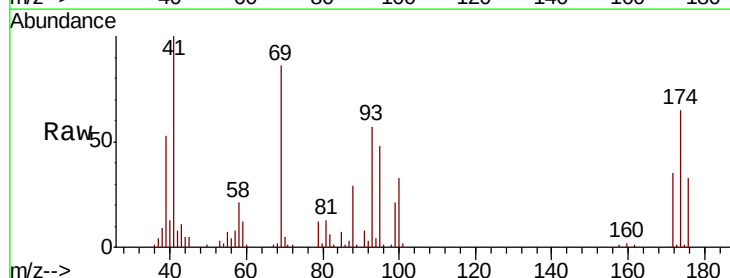
Tgt Ion: 41 Resp: 68403

Ion Ratio Lower Upper

41 100

69 85.5 71.0 106.6

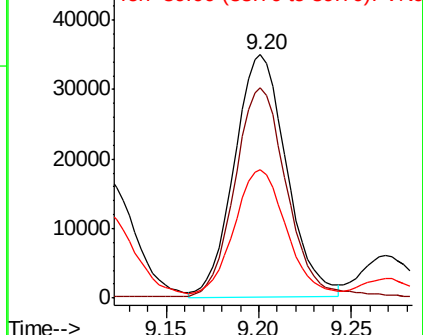
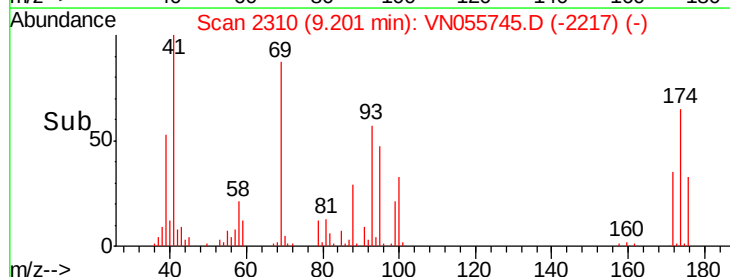
39 54.0 44.2 66.2

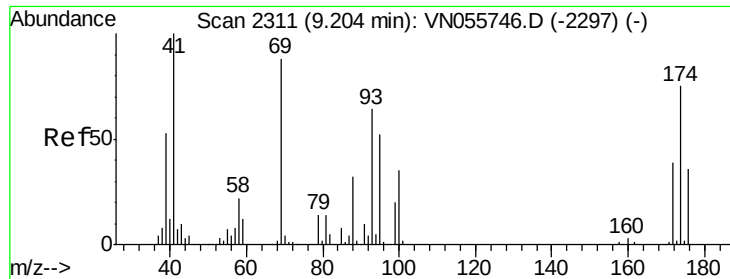


Abundance Ion 41.00 (40.70 to 41.70): VN055745.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN055745.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN055745.D (-2217) (-)





#49

1,4-Dioxane

Concen: 434.175 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

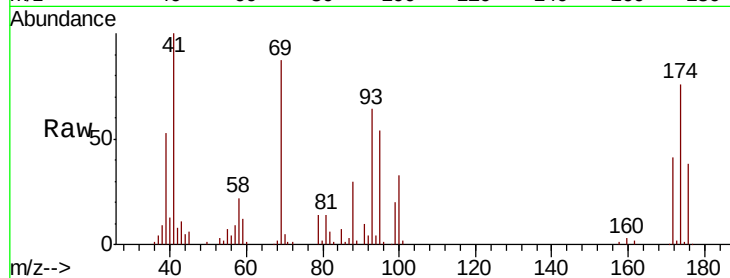
Lab File: VN055745.D

Acq: 23 May 2019 10:10

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 27041

Ion	Ratio	Lower	Upper
88	100		
43	27.6	20.5	30.7
58	66.0	55.8	83.6

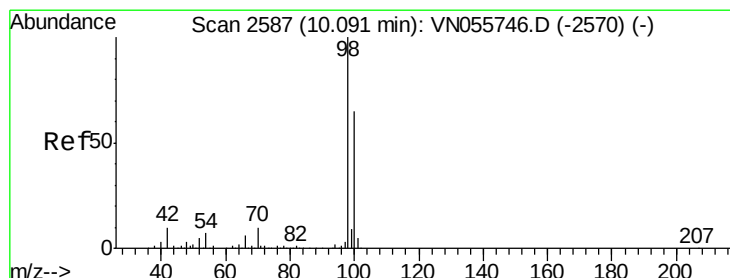
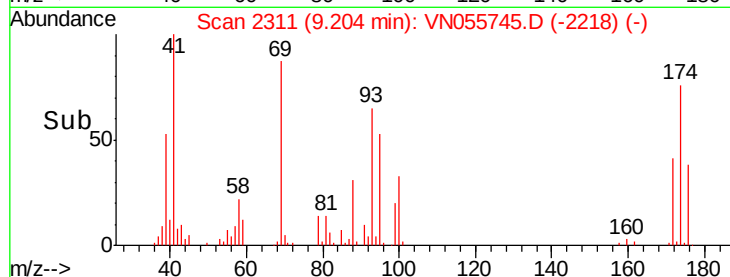
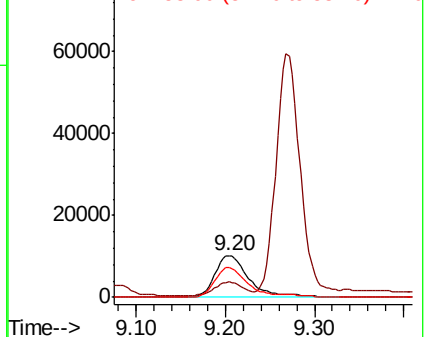


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 21.873 ug/l

RT: 10.09 min Scan# 2587

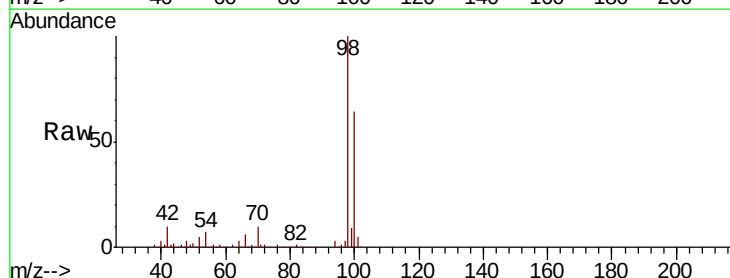
Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

Tgt Ion: 98 Resp: 263378

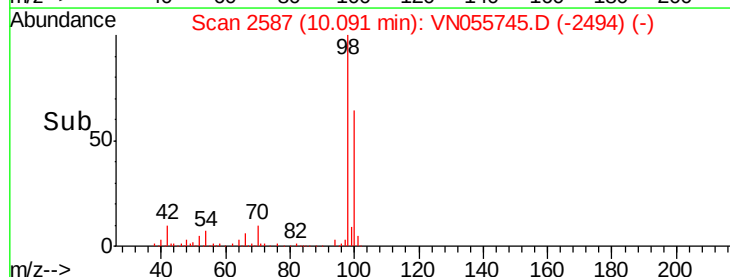
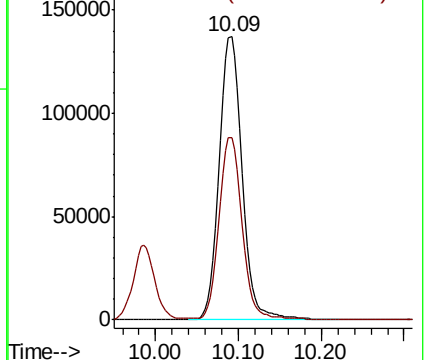
Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.9	77.9

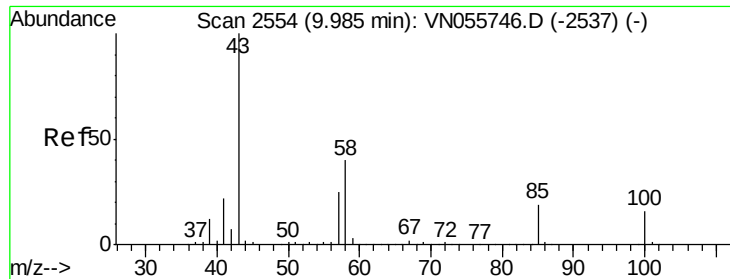


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 102.301 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

Instrument :

MSVOA_N

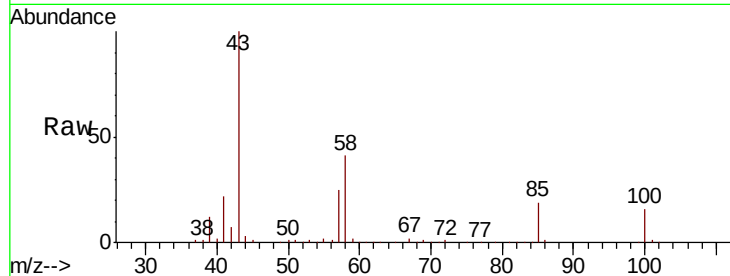
ClientSampleId :

Tot Ion: 43 Resp: 424017

Ion Ratio Lower Upper

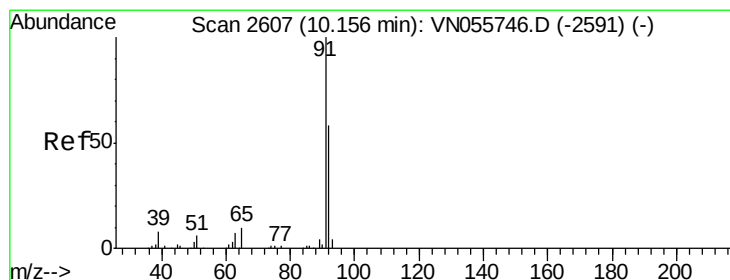
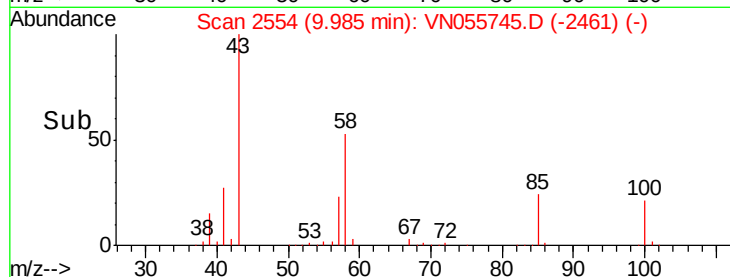
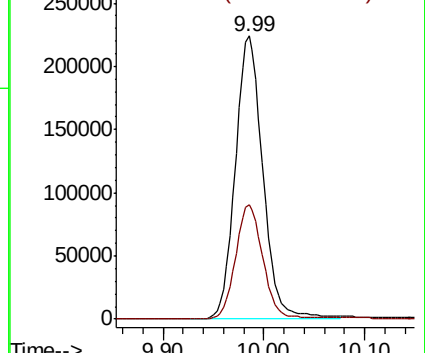
43 100

58 40.5 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.410 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055745.D

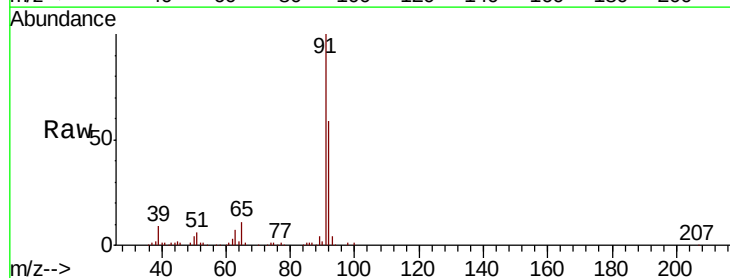
Acq: 23 May 2019 10:10

Tgt Ion: 92 Resp: 168714

Ion Ratio Lower Upper

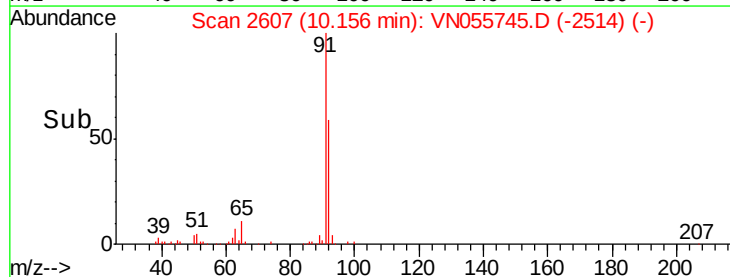
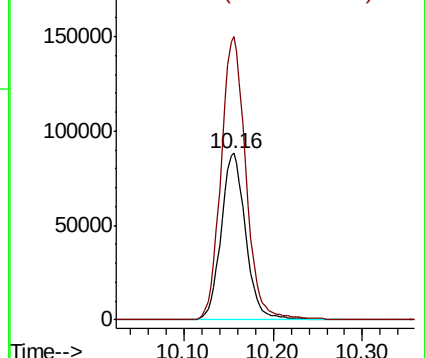
92 100

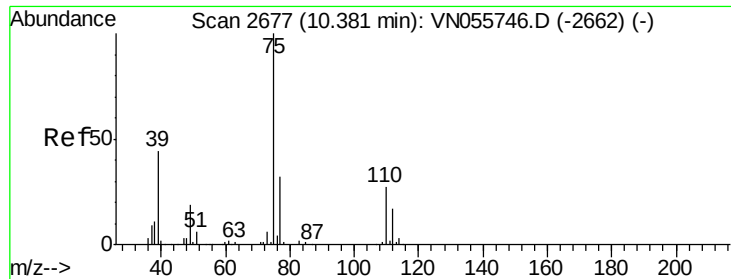
91 172.1 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 19.460 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

Instrument :

MSVOA_N

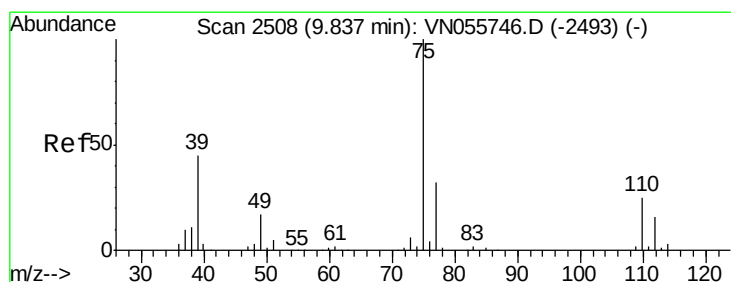
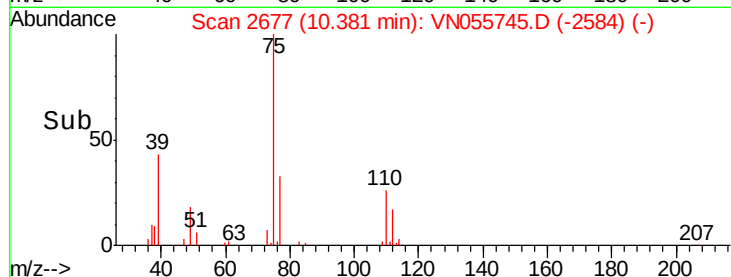
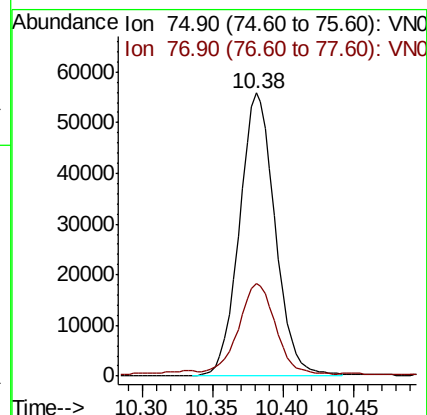
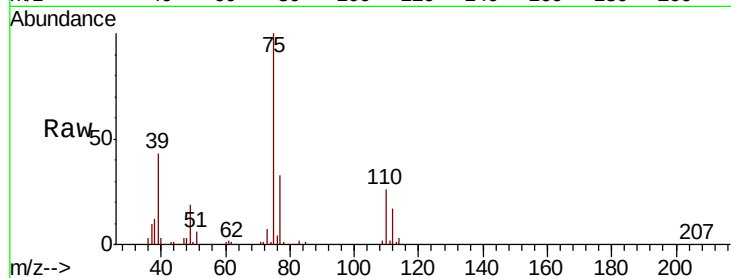
ClientSampleId :

Tot Ion: 75 Resp: 98947

Ion Ratio Lower Upper

75 100

77 31.6 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 19.834 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

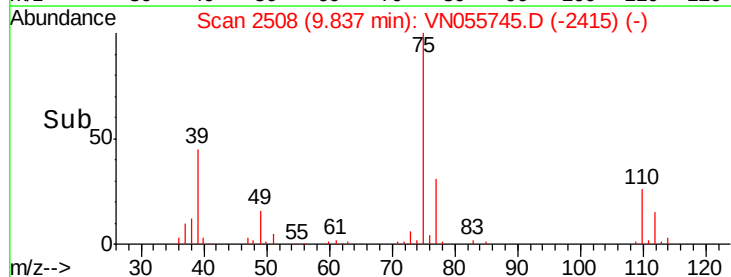
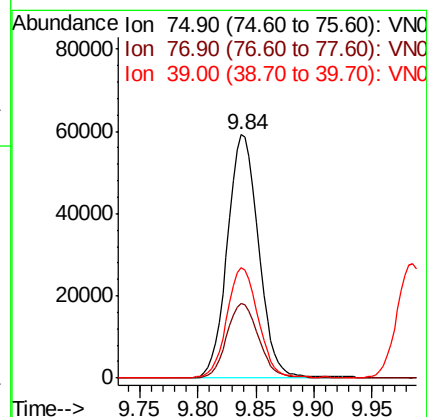
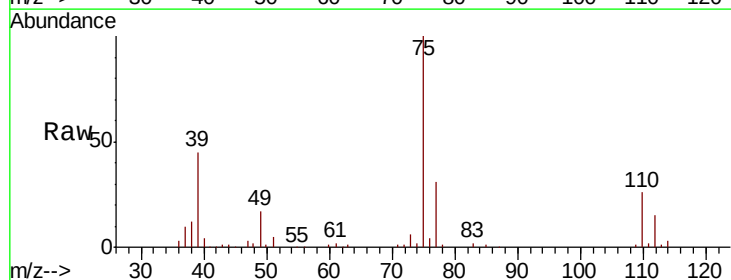
Tgt Ion: 75 Resp: 110527

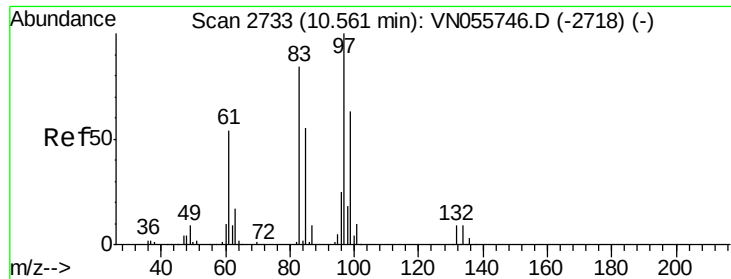
Ion Ratio Lower Upper

75 100

77 30.8 25.4 38.0

39 44.9 36.3 54.5

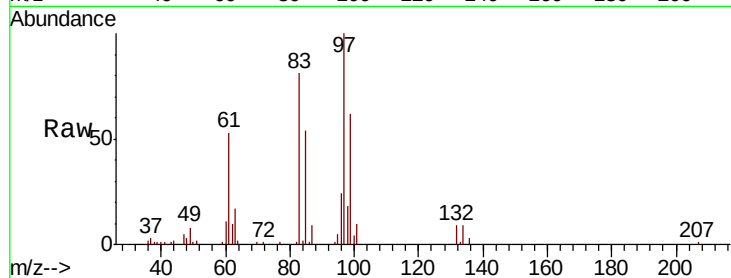




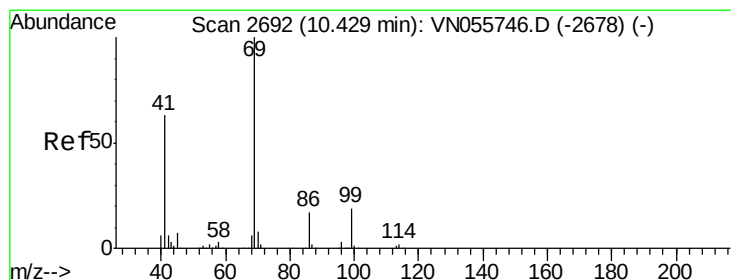
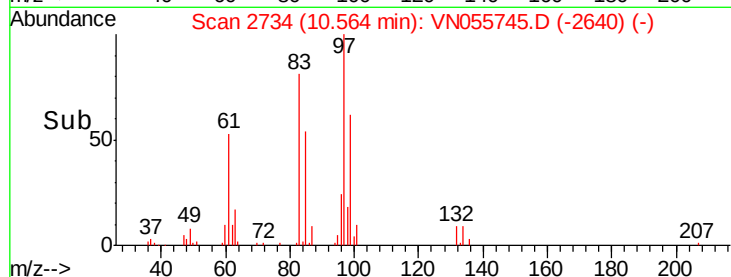
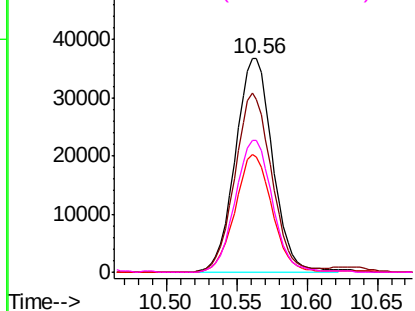
#55
 1,1,2-Trichloroethane
 Concen: 20.040 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN055745.D
 Acq: 23 May 2019 10:10

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:	97	Resp:	68122
Ion	Ratio	Lower	Upper
97	100		
83	81.2	67.0	100.6
85	53.9	44.0	66.0
99	61.7	50.6	75.8

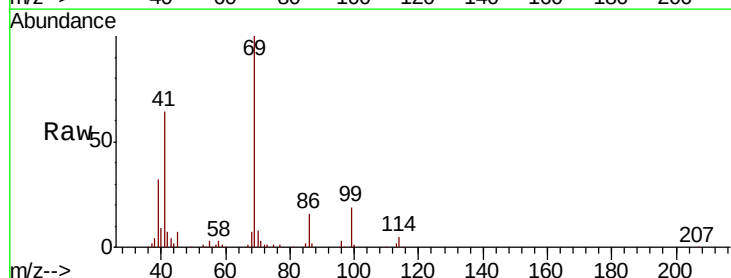


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

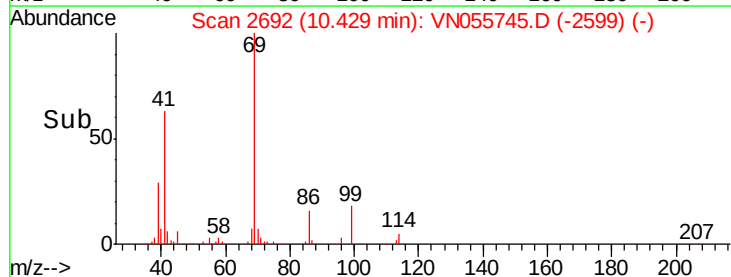
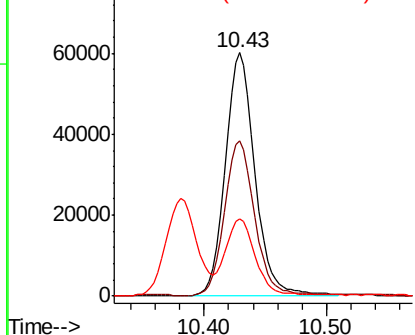


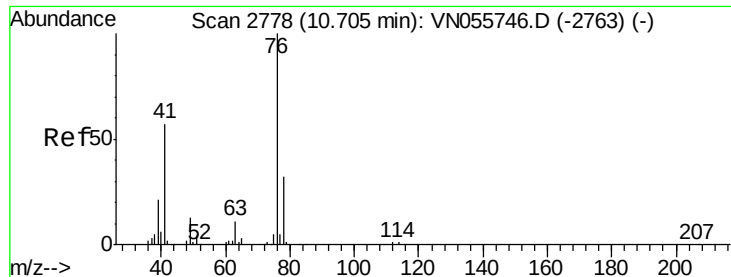
#56
 Ethyl methacrylate
 Concen: 19.325 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055745.D
 Acq: 23 May 2019 10:10

Tgt Ion:	69	Resp:	102595
Ion	Ratio	Lower	Upper
69	100		
41	64.1	49.7	74.5
39	32.0	24.7	37.1



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





#57

1,3-Dichloropropane

Concen: 20.439 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

Instrument :

MSVOA_N

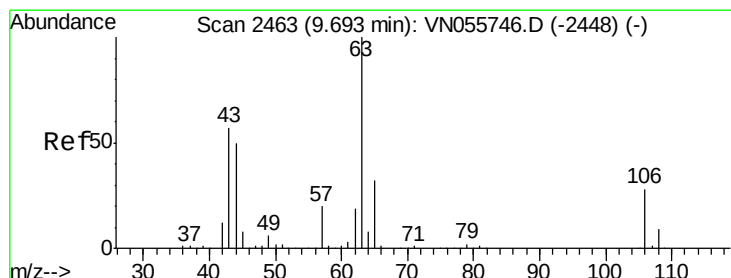
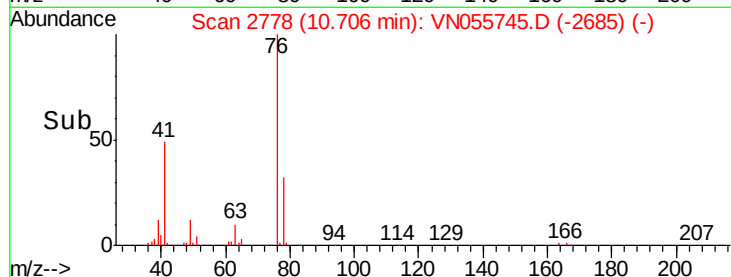
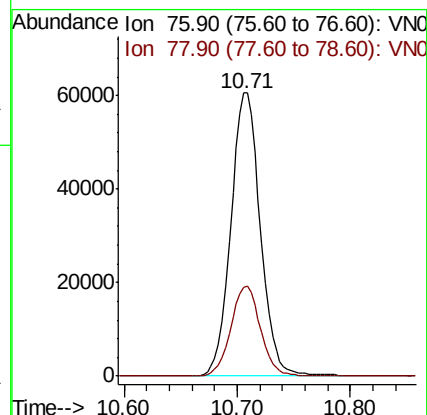
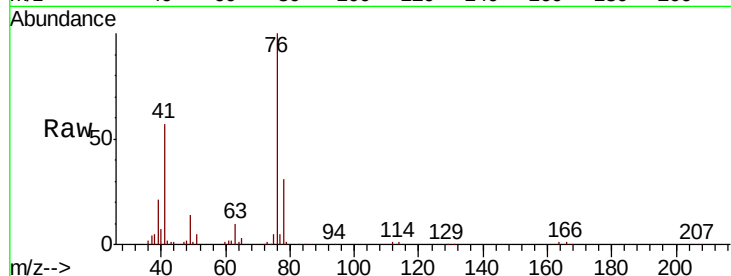
ClientSampleId :

Tot Ion: 76 Resp: 109853

Ion Ratio Lower Upper

76 100

78 31.9 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 86.137 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN055745.D

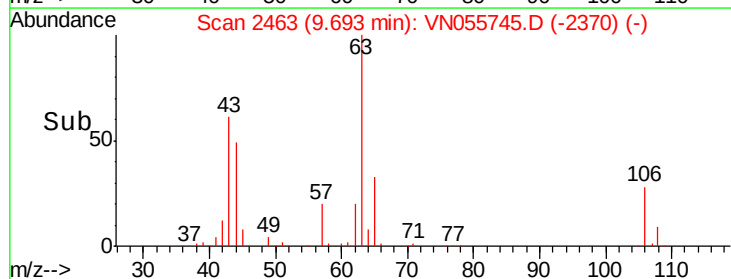
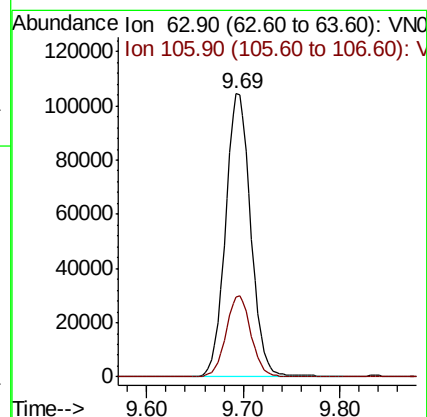
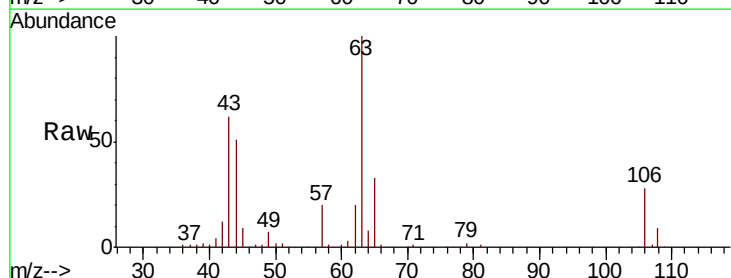
Acq: 23 May 2019 10:10

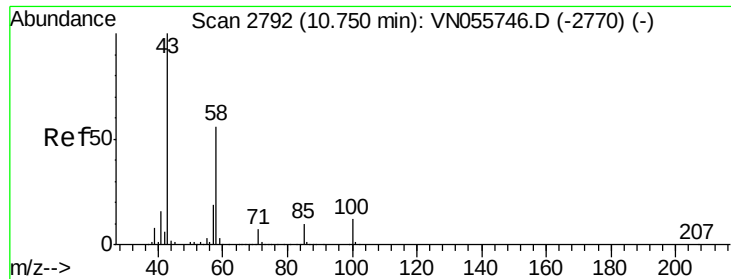
Tgt Ion: 63 Resp: 189888

Ion Ratio Lower Upper

63 100

106 28.2 22.7 34.1

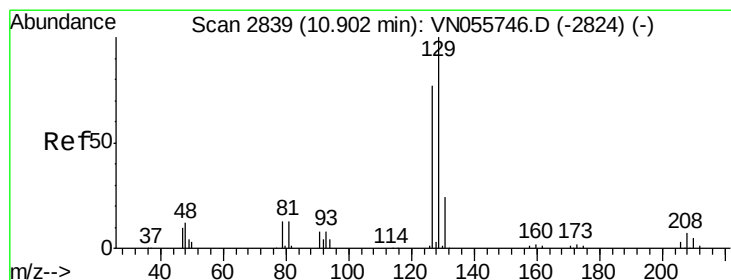
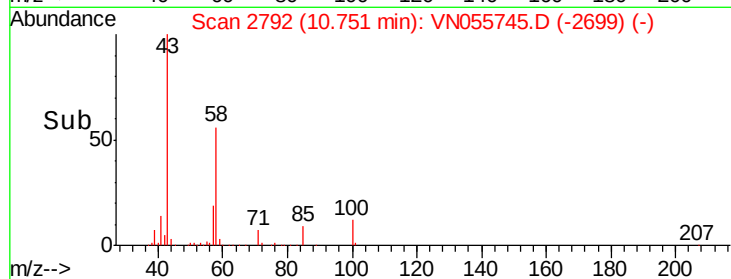
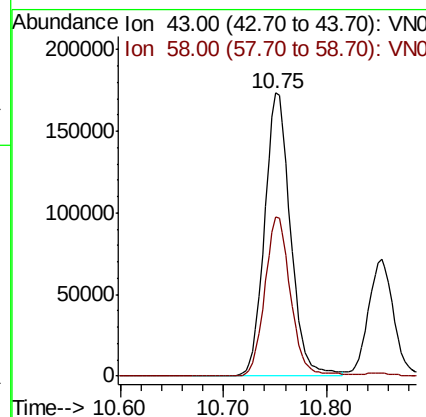
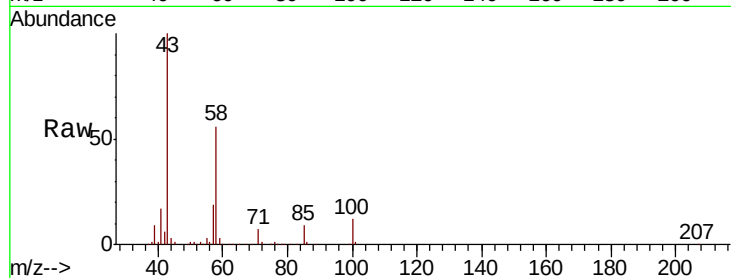




#59
2-Hexanone
Concen: 102.987 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055745.D
Acq: 23 May 2019 10:10

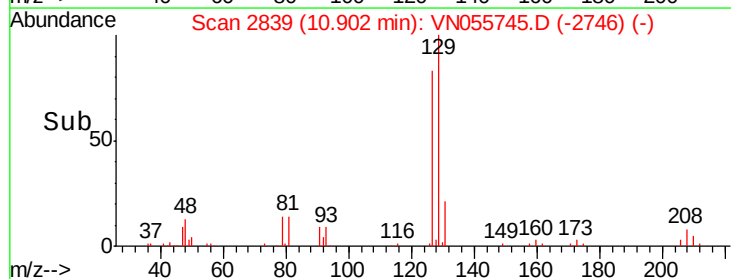
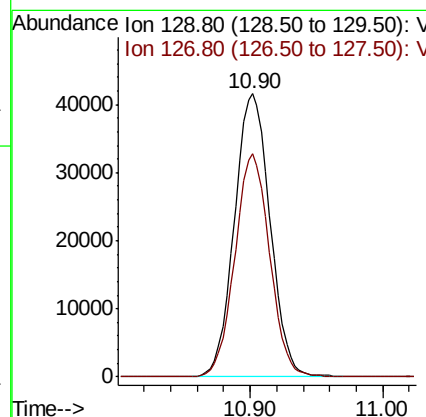
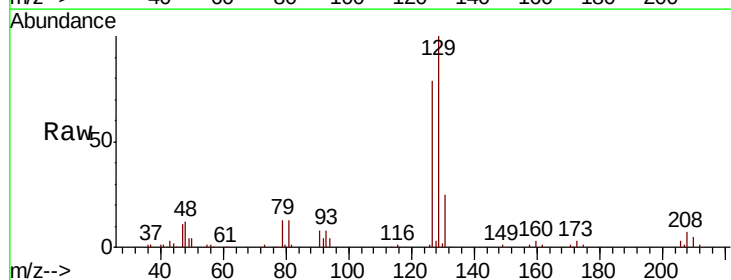
Instrument :
MSVOA_N
ClientSampleId :

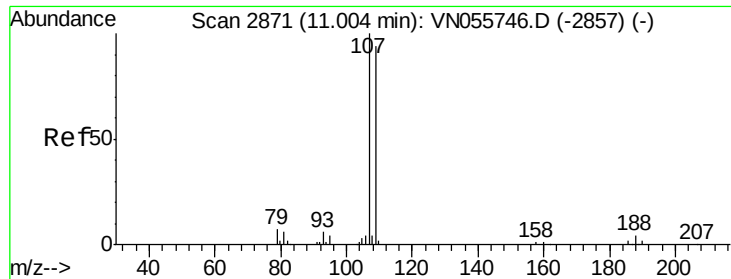
Tot Ion: 43 Resp: 299988
Ion Ratio Lower Upper
43 100
58 56.2 28.2 84.7



#60
Dibromochloromethane
Concen: 20.156 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055745.D
Acq: 23 May 2019 10:10

Tgt Ion: 129 Resp: 77667
Ion Ratio Lower Upper
129 100
127 76.7 38.1 114.3





#61

1,2-Dibromoethane

Concen: 20.170 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

Instrument :

MSVOA_N

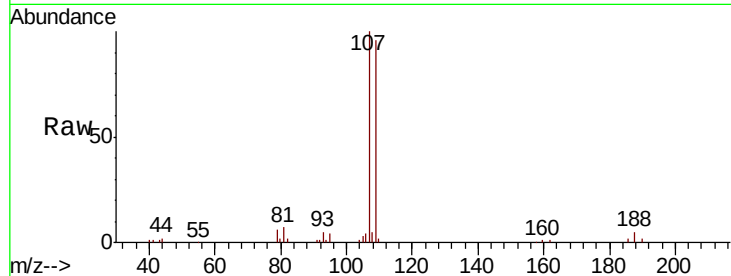
ClientSampleId :

Tot Ion:107 Resp: 68659

Ion Ratio Lower Upper

107 100

109 95.3 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

40000

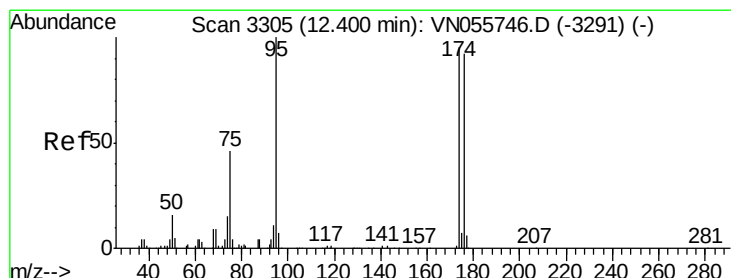
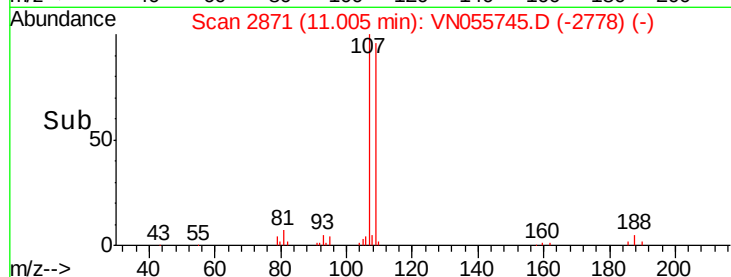
30000

20000

10000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 20.963 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

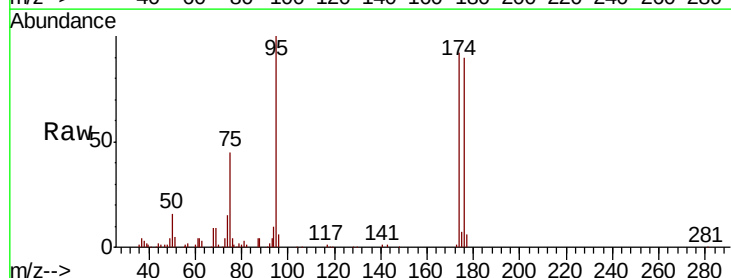
Tgt Ion: 95 Resp: 87285

Ion Ratio Lower Upper

95 100

174 94.0 0.0 191.0

176 90.4 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

12.40

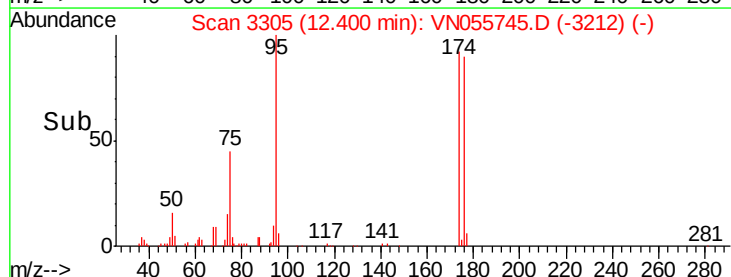
60000

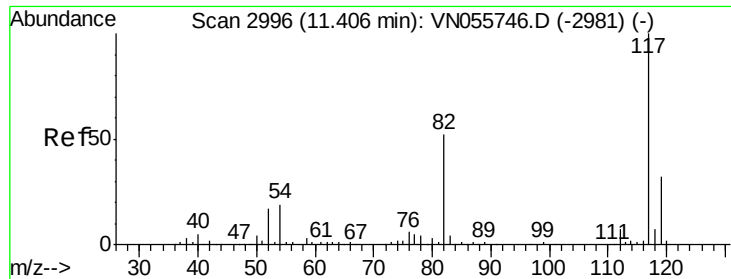
40000

20000

0

Time--> 12.35 12.40 12.45

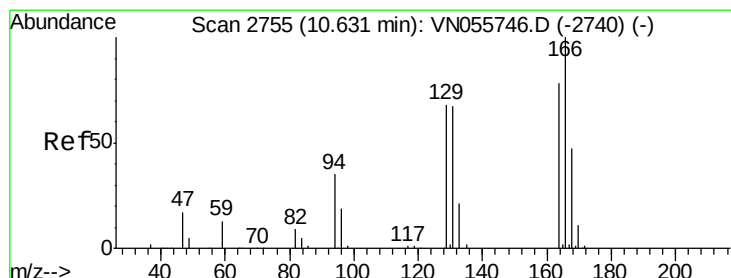
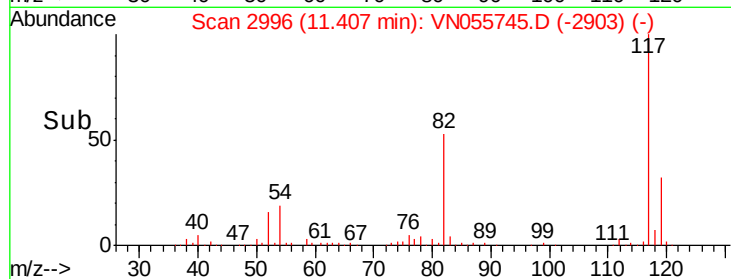
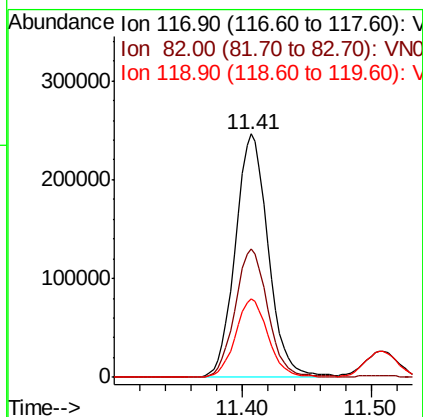
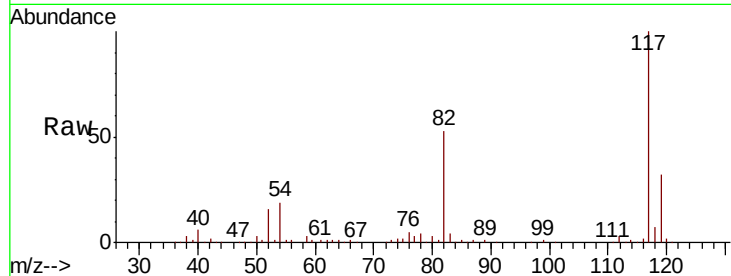




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055745.D
Acq: 23 May 2019 10:10

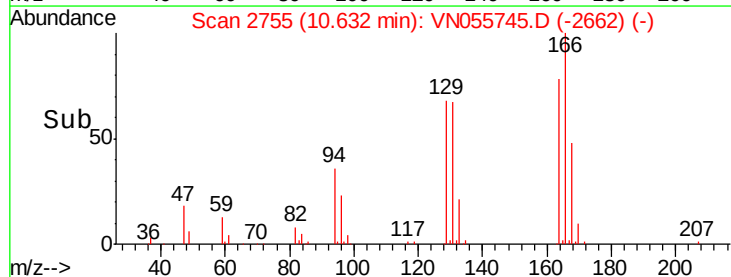
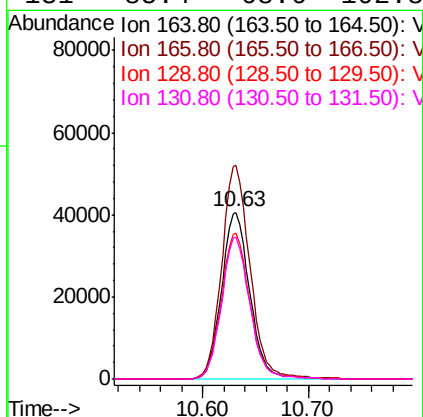
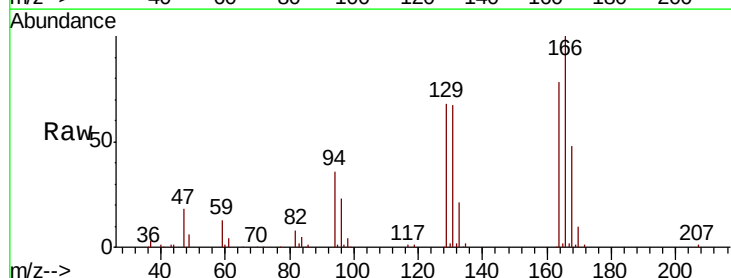
Instrument :
MSVOA_N
ClientSampleId :

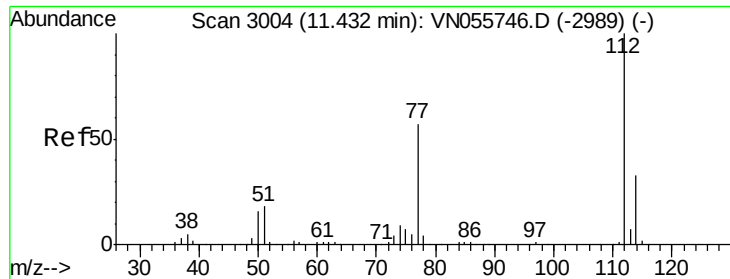
Tot Ion:117 Resp: 437348
Ion Ratio Lower Upper
117 100
82 52.8 41.8 62.8
119 32.3 25.4 38.0



#64
Tetrachloroethene
Concen: 21.702 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055745.D
Acq: 23 May 2019 10:10

Tgt Ion:164 Resp: 75441
Ion Ratio Lower Upper
164 100
166 128.3 103.0 154.6
129 87.8 70.6 105.8
131 85.4 68.6 102.8

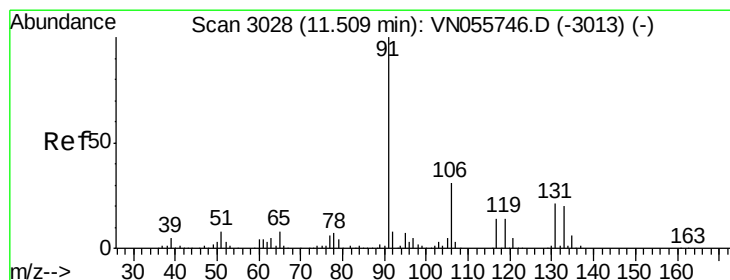
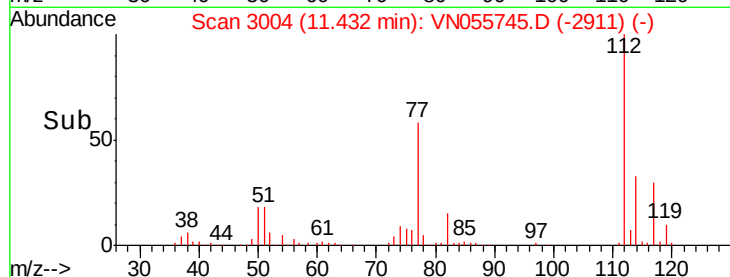
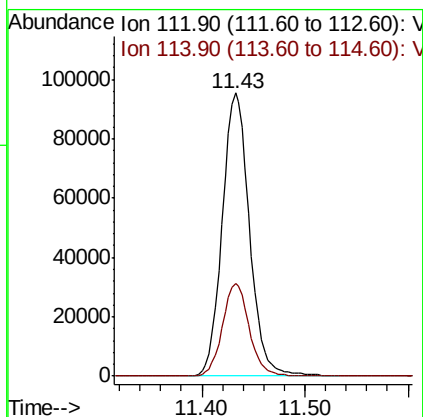
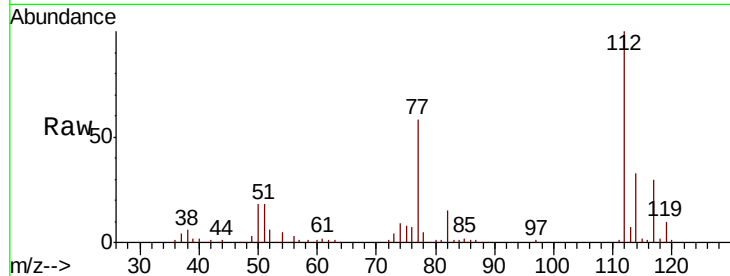




#65
Chlorobenzene
Concen: 19.891 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055745.D
Acq: 23 May 2019 10:10

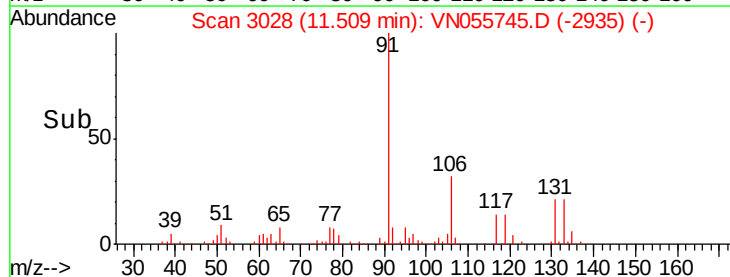
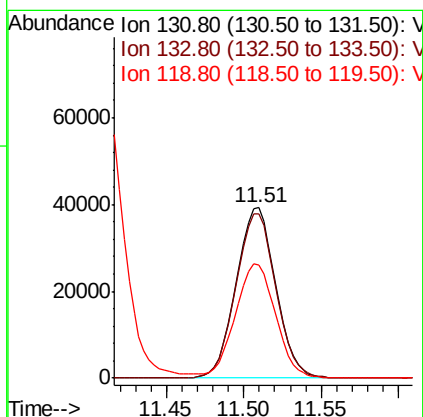
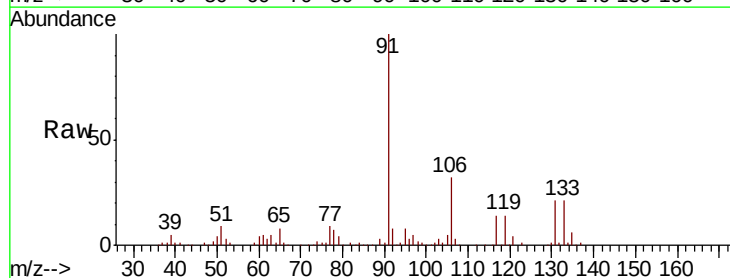
Instrument :
MSVOA_N
ClientSampled :

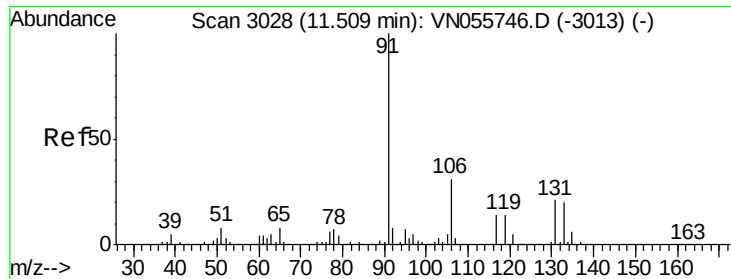
Tot Ion:112 Resp: 175654
Ion Ratio Lower Upper
112 100
114 32.9 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.671 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055745.D
Acq: 23 May 2019 10:10

Tgt Ion:131 Resp: 69804
Ion Ratio Lower Upper
131 100
133 97.7 48.0 144.0
119 68.9 33.1 99.5

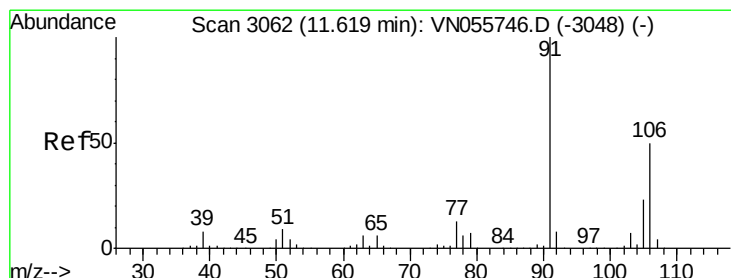
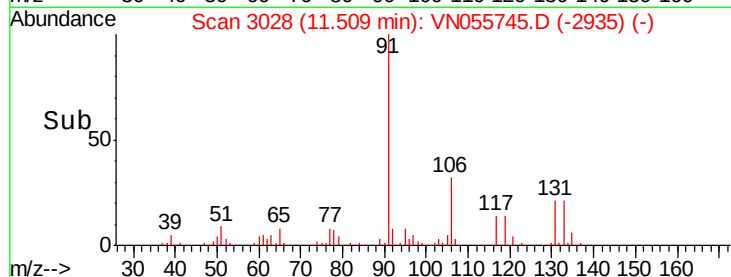
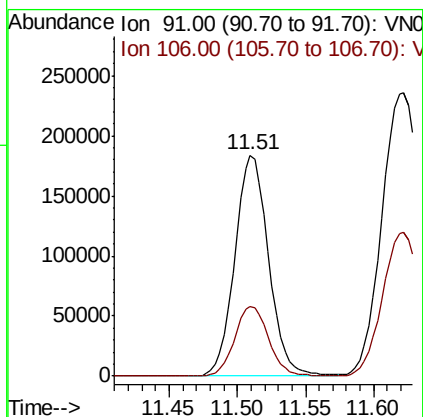
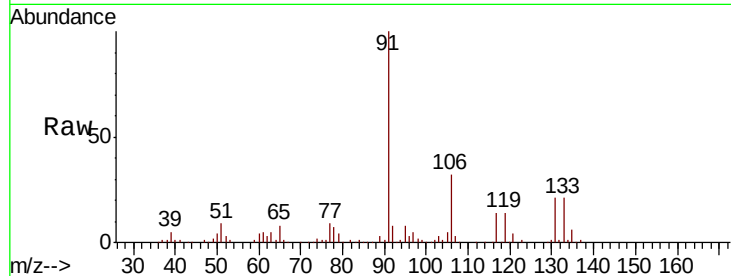




#67
Ethyl Benzene
Concen: 20.058 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055745.D
Acq: 23 May 2019 10:10

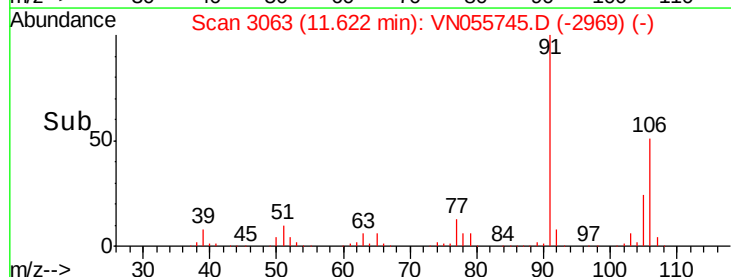
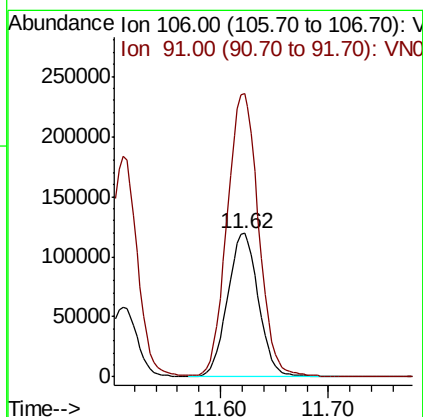
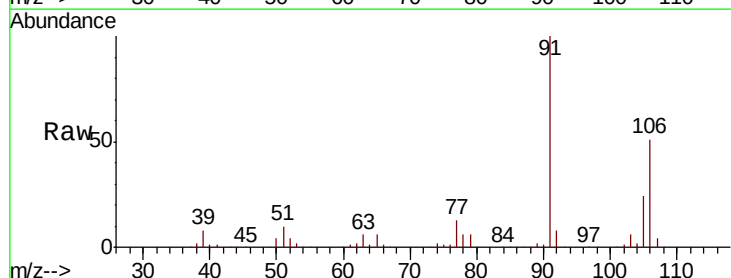
Instrument :
MSVOA_N
ClientSampled :

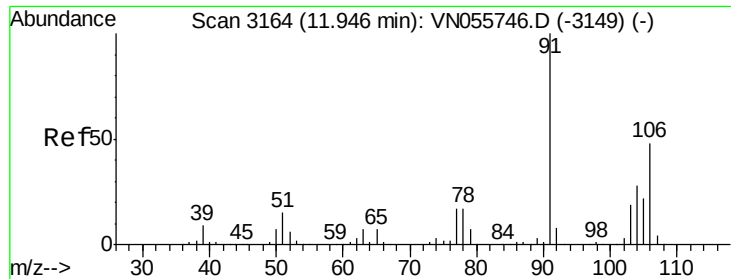
Tot Ion: 91 Resp: 316323
Ion Ratio Lower Upper
91 100
106 31.7 25.1 37.7



#68
m/p-Xylenes
Concen: 40.249 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055745.D
Acq: 23 May 2019 10:10

Tgt Ion: 106 Resp: 239739
Ion Ratio Lower Upper
106 100
91 200.4 159.3 238.9

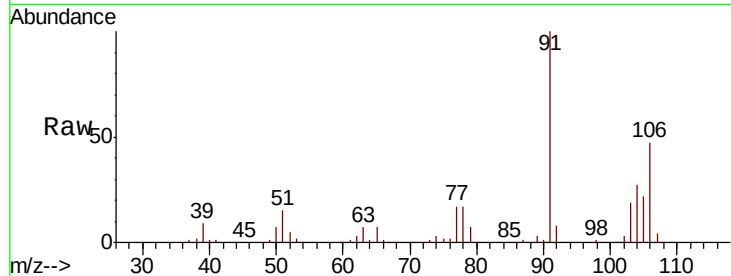




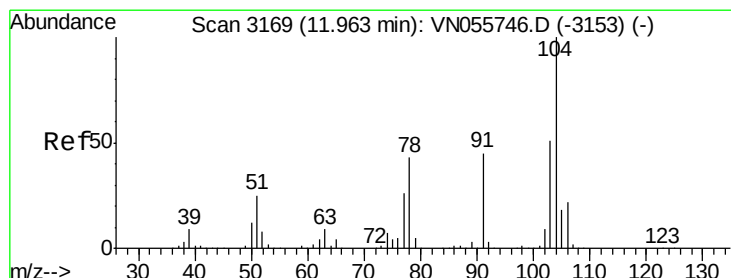
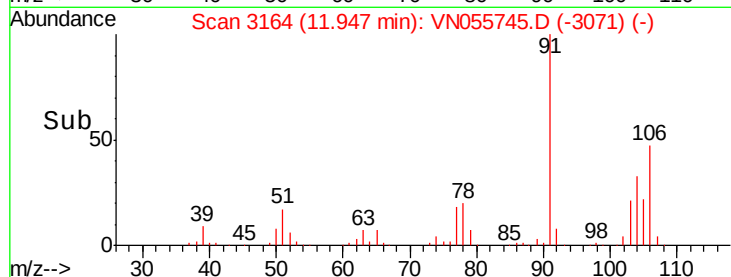
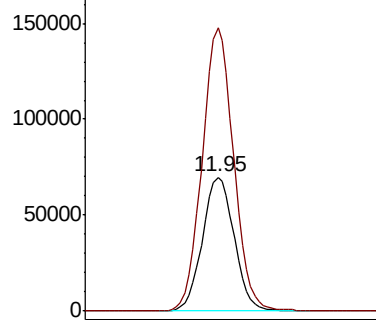
#69
o-Xylene
Concen: 20.532 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055745.D
Acq: 23 May 2019 10:10

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 119986
Ion Ratio Lower Upper
106 100
91 208.1 104.7 314.1

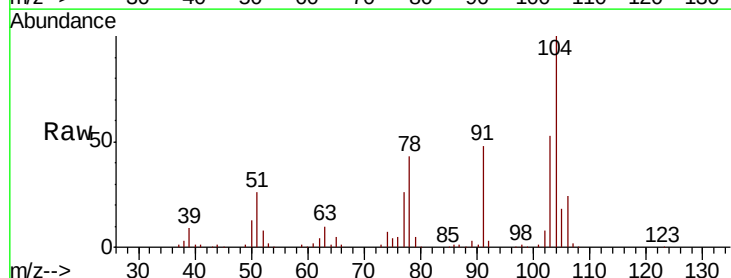


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

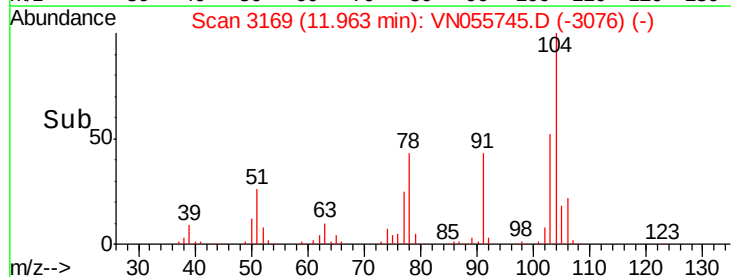
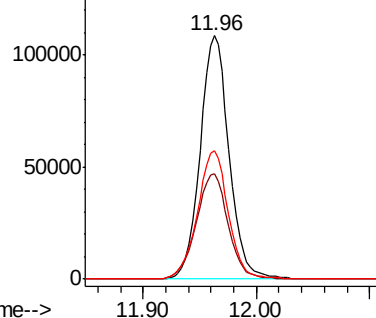


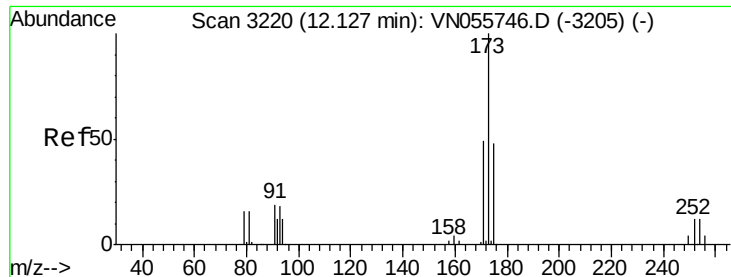
#70
Styrene
Concen: 19.879 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055745.D
Acq: 23 May 2019 10:10

Tgt Ion:104 Resp: 192629
Ion Ratio Lower Upper
104 100
78 47.8 37.8 56.6
103 55.9 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

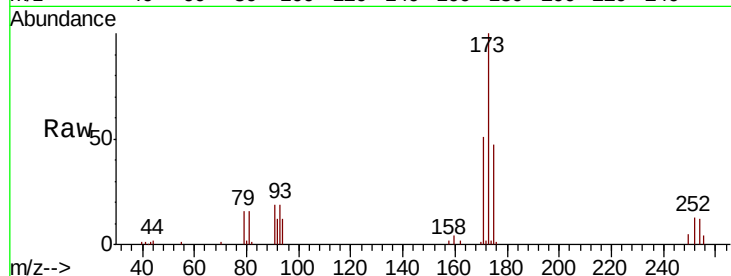




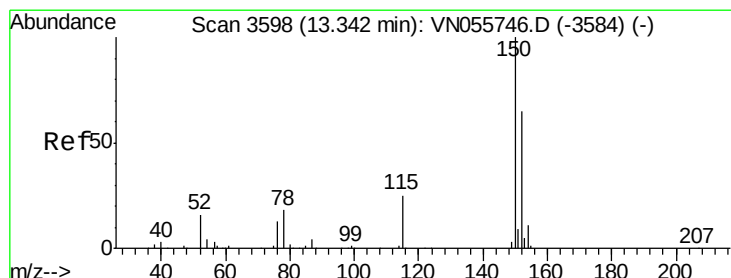
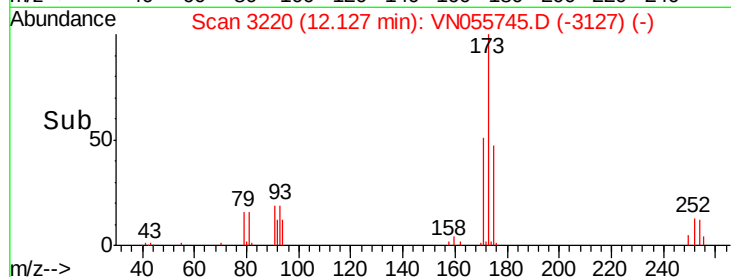
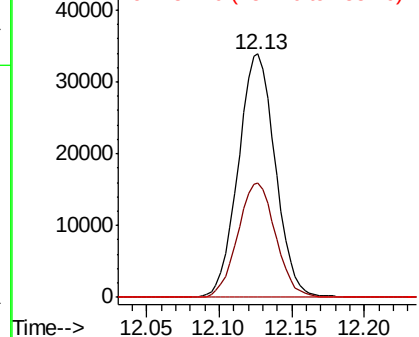
#71
Bromoform
Concen: 19.926 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055745.D
Acq: 23 May 2019 10:10

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:173 Resp: 60073
Ion Ratio Lower Upper
173 100
175 47.7 24.3 72.8
254 0.0 0.0 0.0

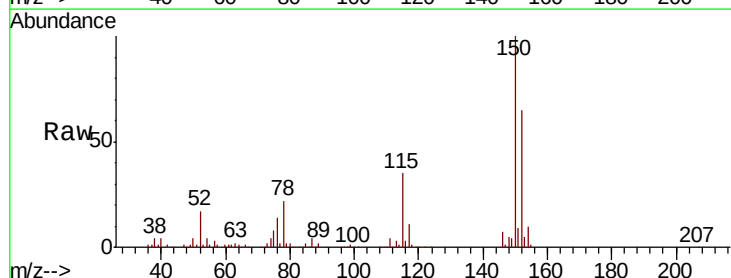


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

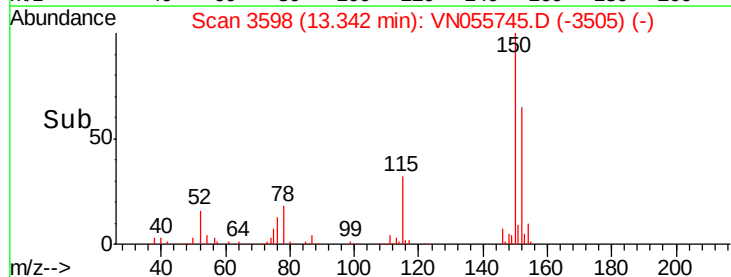
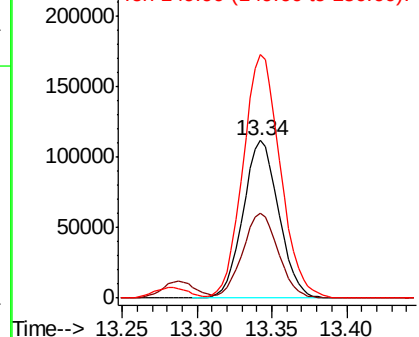


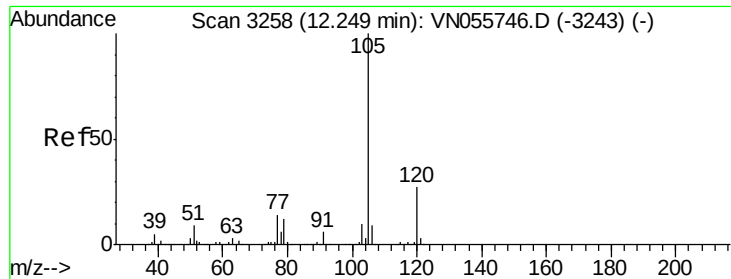
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055745.D
Acq: 23 May 2019 10:10

Tgt Ion:152 Resp: 185405
Ion Ratio Lower Upper
152 100
115 54.0 27.0 81.0
150 162.1 0.0 343.2



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





#73

Isopropylbenzene

Concen: 20.726 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

Instrument :

MSVOA_N

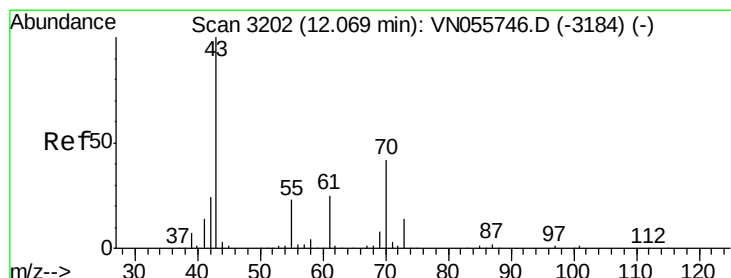
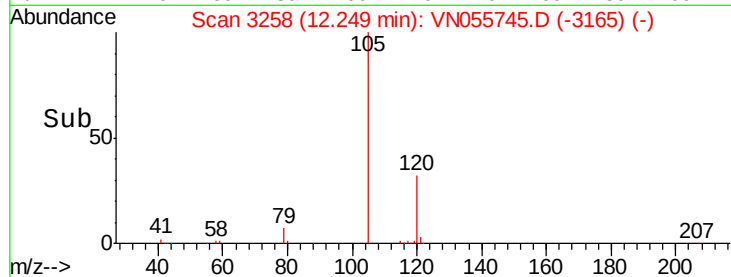
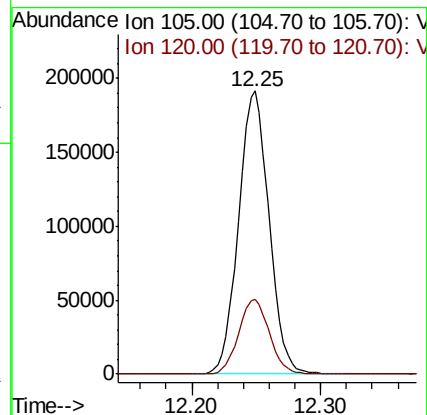
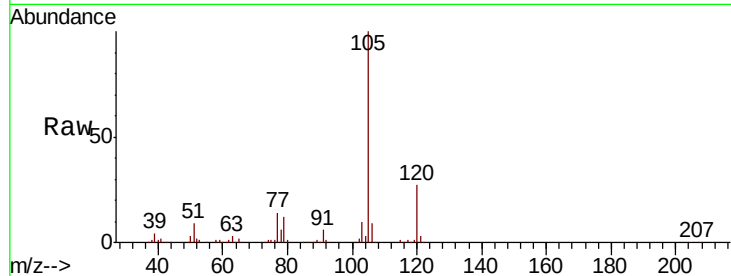
ClientSampleId :

Tot Ion:105 Resp: 313989

Ion Ratio Lower Upper

105 100

120 26.7 13.6 40.7



#74

N-ethyl acetate

Concen: 21.436 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

Tgt Ion: 43 Resp: 111782

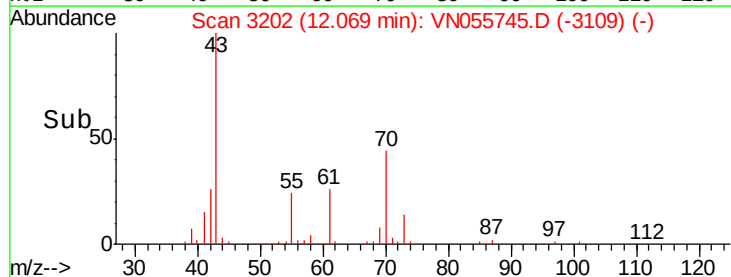
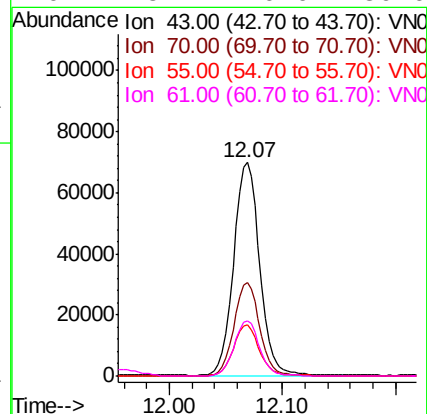
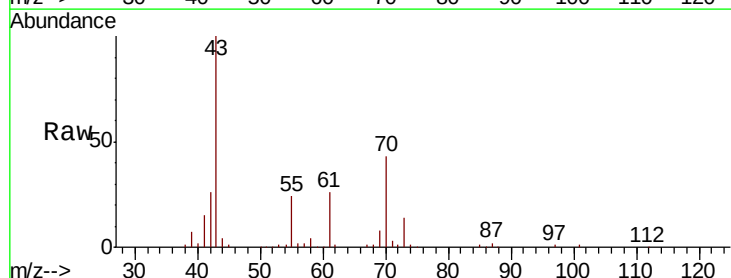
Ion Ratio Lower Upper

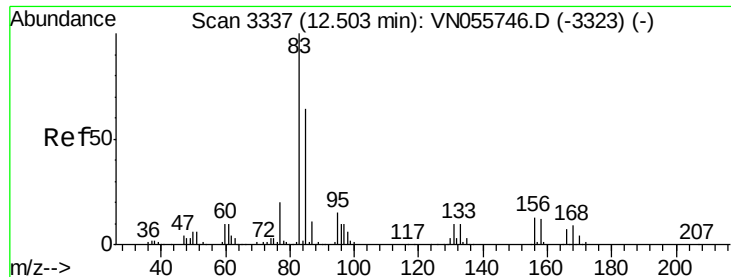
43 100

70 43.1 34.0 51.0

55 24.2 18.6 28.0

61 25.4 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.027 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

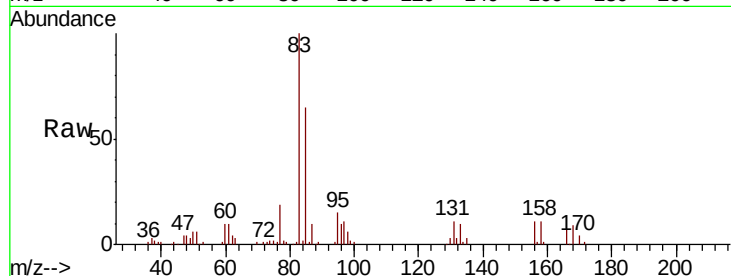
Tot Ion: 83 Resp: 93419

Ion Ratio Lower Upper

83 100

131 10.8 5.4 16.2

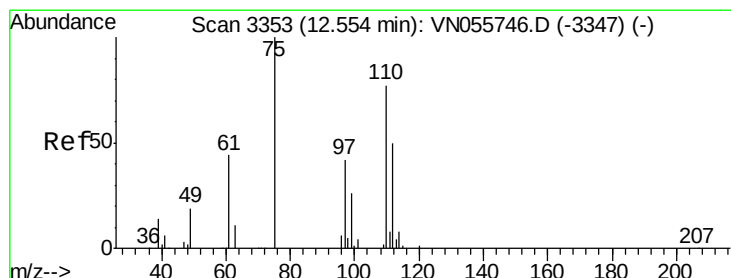
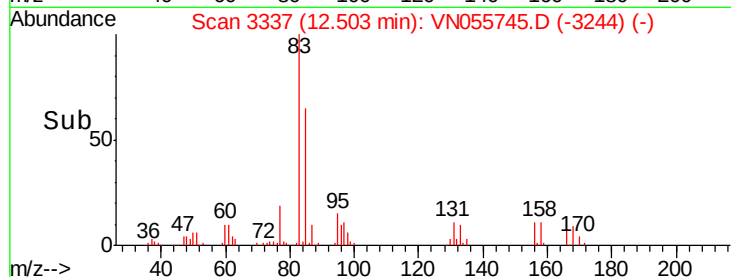
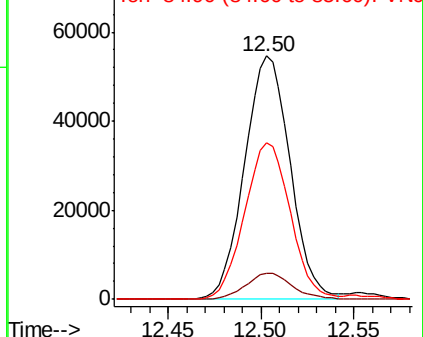
85 64.7 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN055745.D (-3337) (-)

Ion 130.80 (130.50 to 131.50): VN055745.D (-3337) (-)

Ion 84.90 (84.60 to 85.60): VN055745.D (-3337) (-)



#76

1,2,3-Trichloropropane

Concen: 30.148 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055745.D

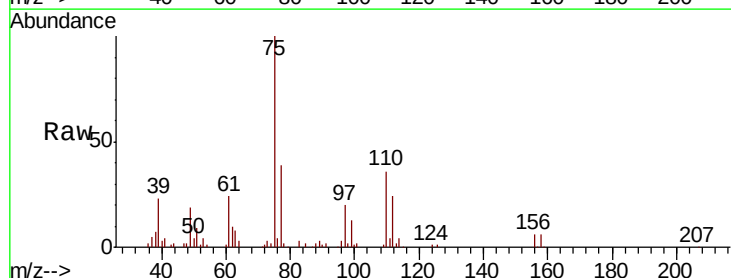
Acq: 23 May 2019 10:10

Tgt Ion: 75 Resp: 115200

Ion Ratio Lower Upper

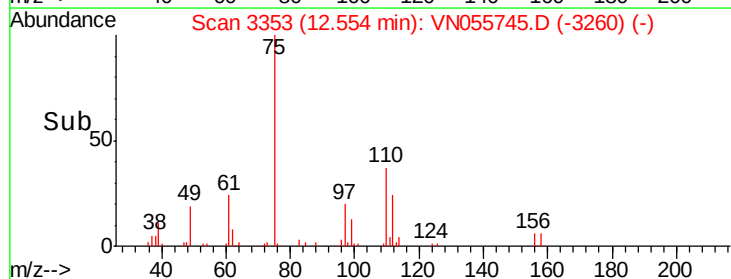
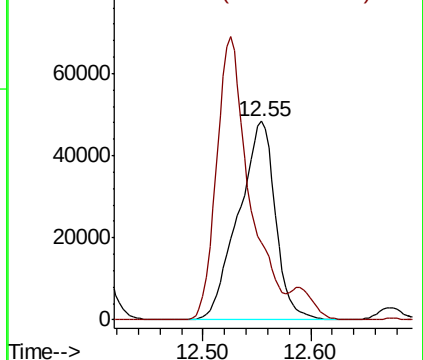
75 100

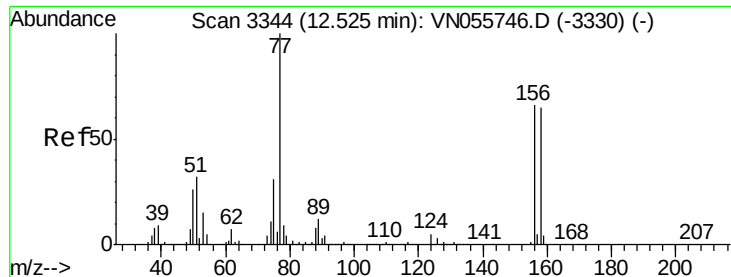
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055745.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN055745.D (-3353) (-)





#77

Bromobenzene

Concen: 21.035 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

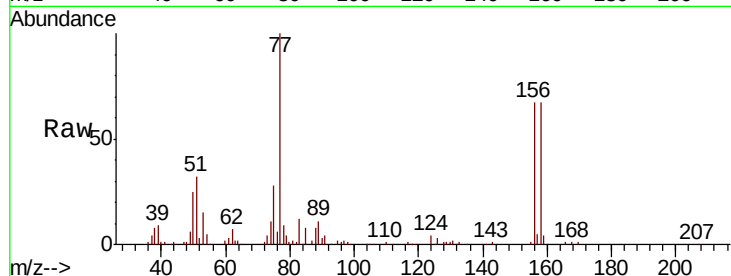
Tot Ion:156 Resp: 80632

Ion Ratio Lower Upper

156 100

77 180.9 90.8 272.5

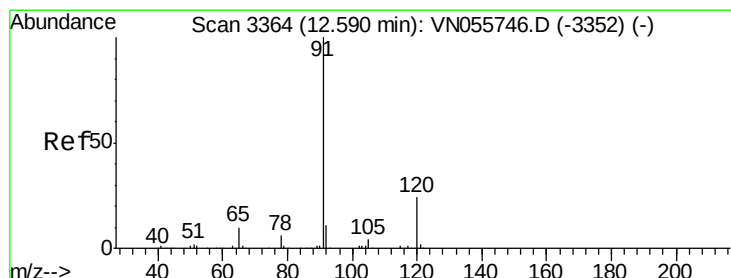
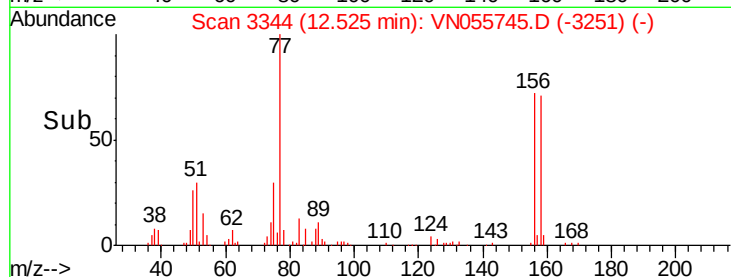
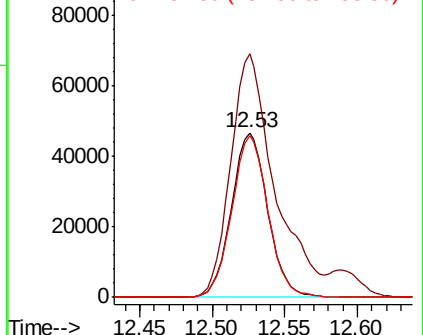
158 98.0 49.3 147.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.700 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055745.D

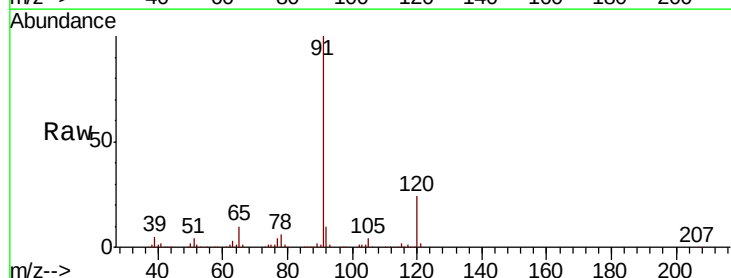
Acq: 23 May 2019 10:10

Tgt Ion: 91 Resp: 323464

Ion Ratio Lower Upper

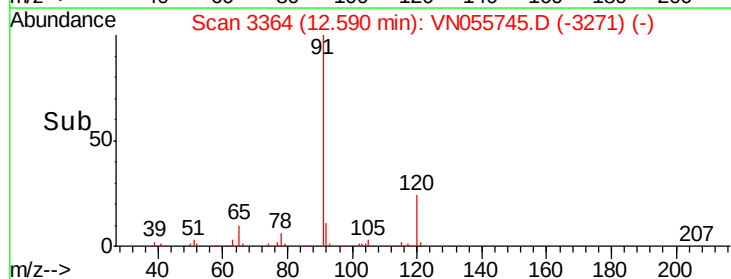
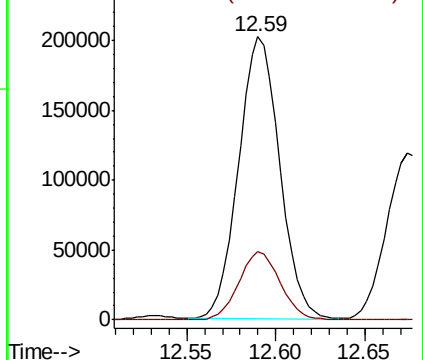
91 100

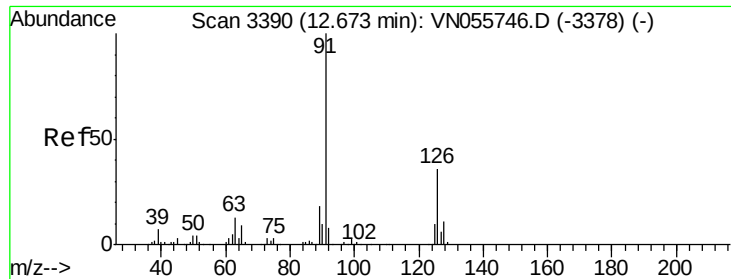
120 24.4 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.134 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

Instrument :

MSVOA_N

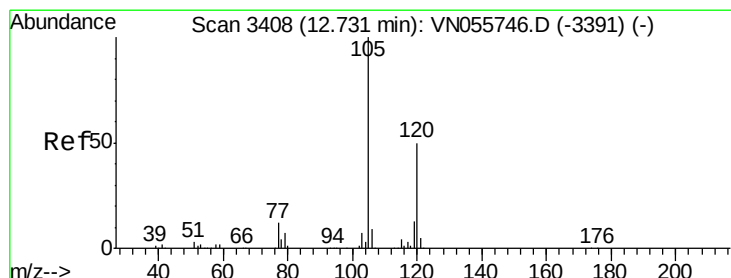
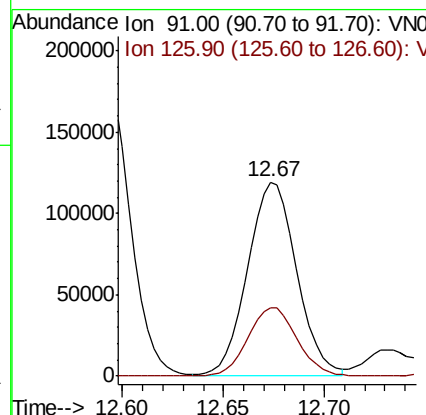
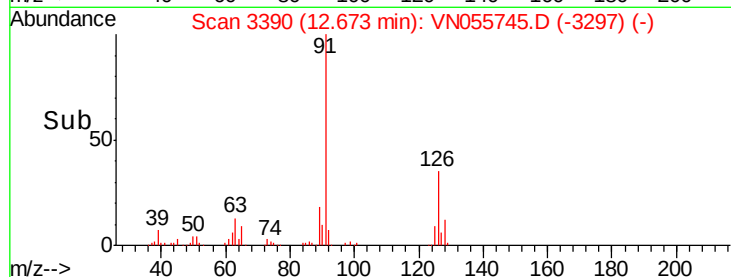
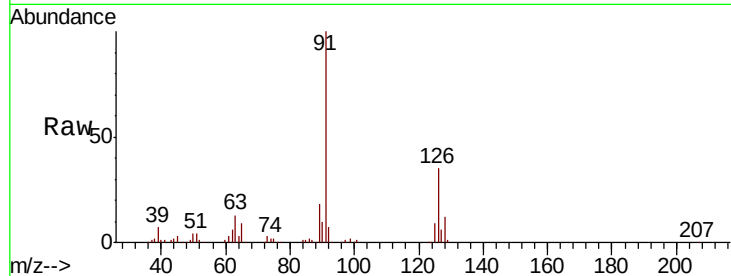
ClientSampled :

Tot Ion: 91 Resp: 201393

Ion Ratio Lower Upper

91 100

126 35.8 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: 20.238 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055745.D

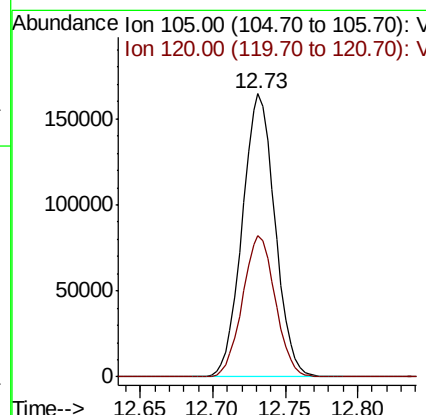
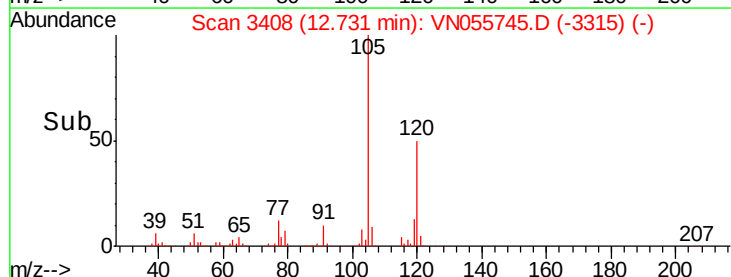
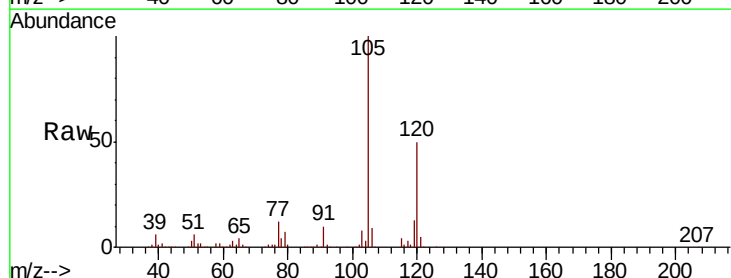
Acq: 23 May 2019 10:10

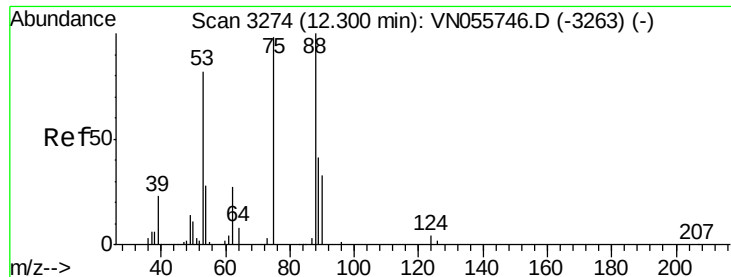
Tgt Ion: 105 Resp: 257501

Ion Ratio Lower Upper

105 100

120 50.1 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 19.493 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

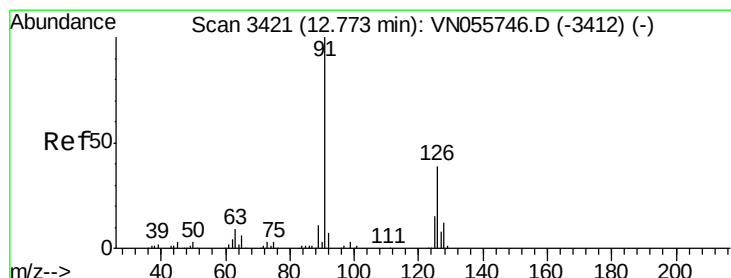
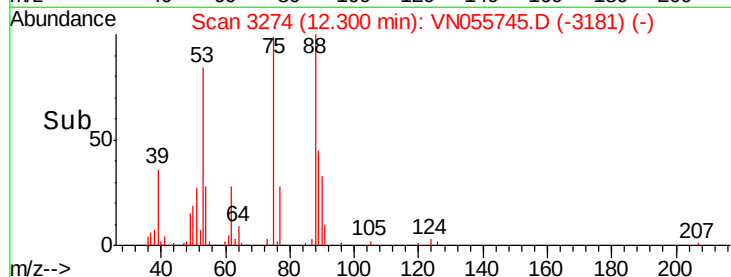
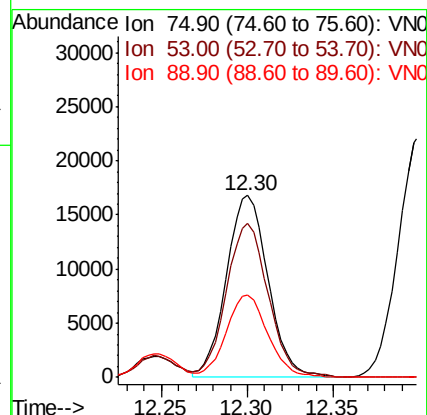
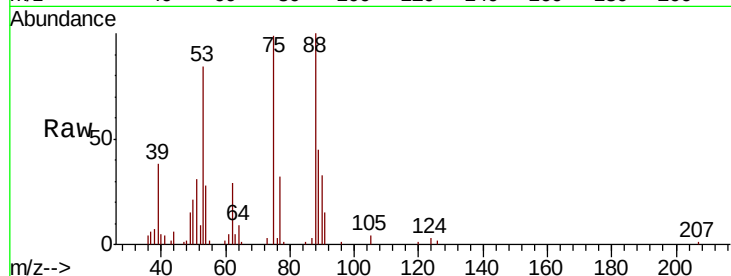
Tot Ion: 75 Resp: 28341

Ion Ratio Lower Upper

75 100

53 85.3 68.1 102.1

89 45.5 36.9 55.3



#82

4-Chlorotoluene

Concen: 19.757 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055745.D

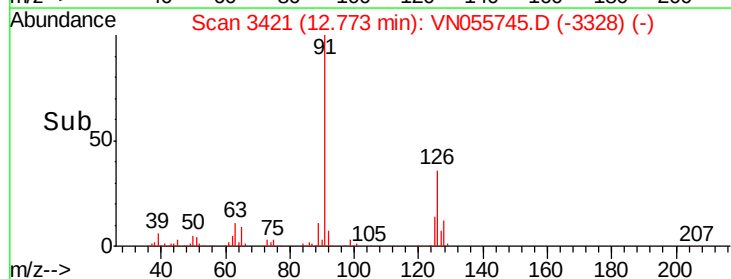
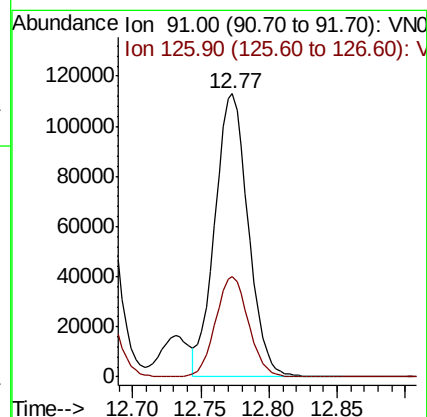
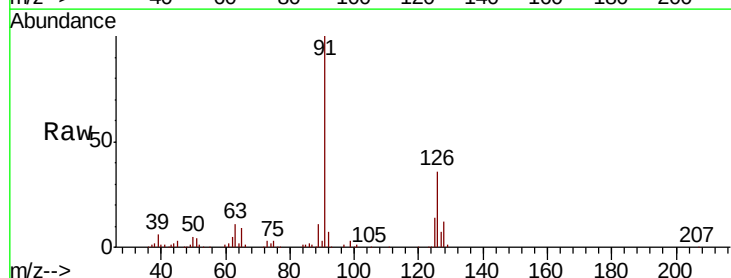
Acq: 23 May 2019 10:10

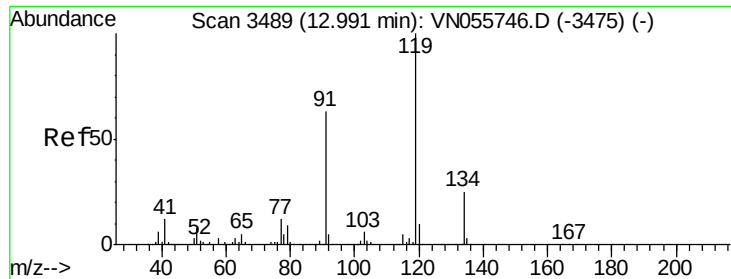
Tgt Ion: 91 Resp: 191255

Ion Ratio Lower Upper

91 100

126 35.1 17.8 53.3

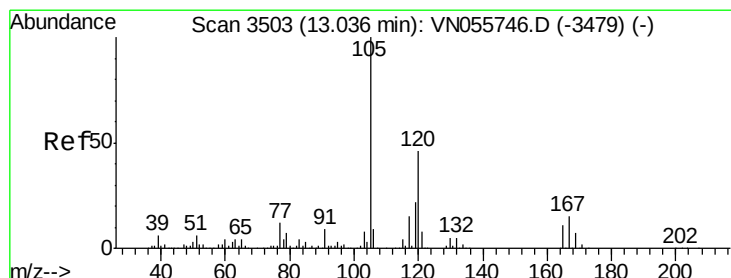
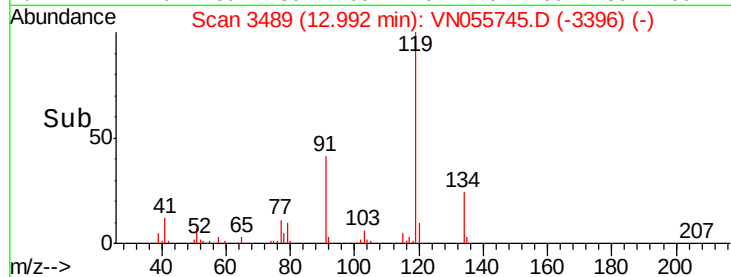
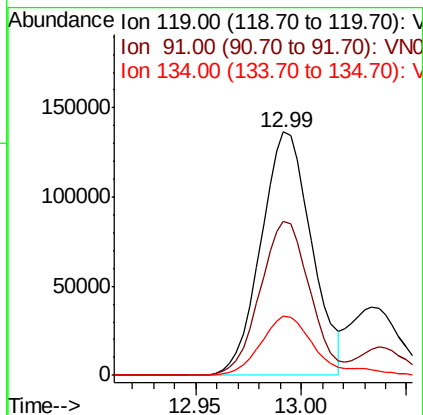
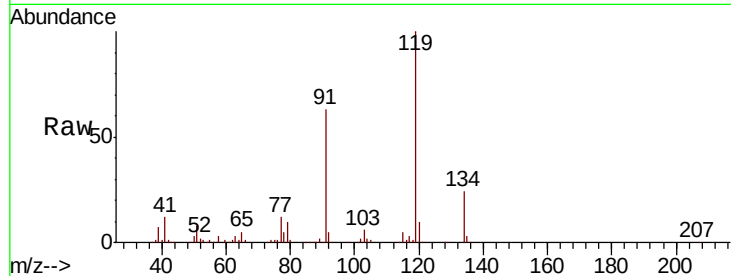




#83
 tert-Butylbenzene
 Concen: 20.393 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055745.D
 Acq: 23 May 2019 10:10

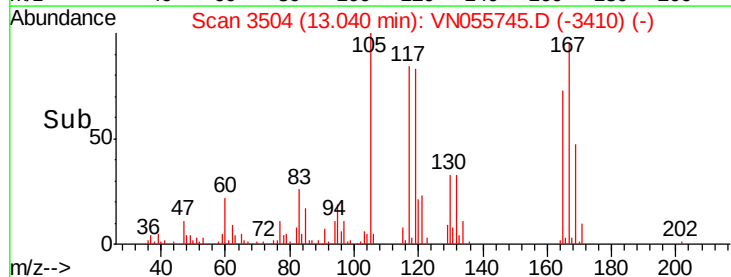
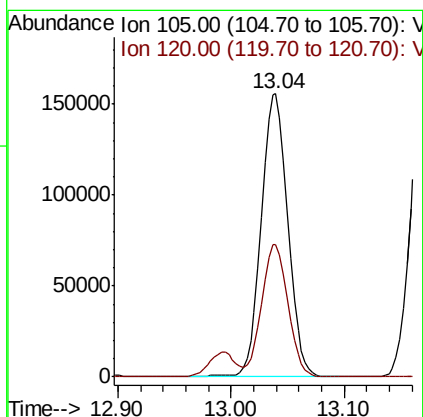
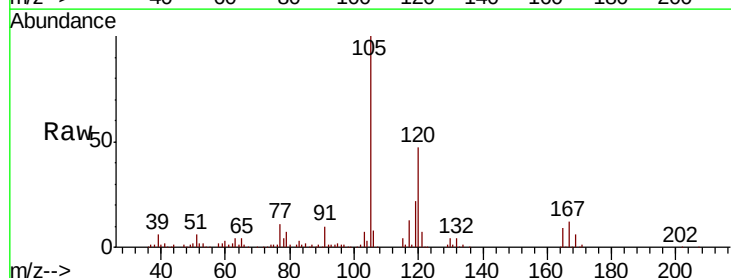
Instrument :
 MSVOA_N
 ClientSampleId :

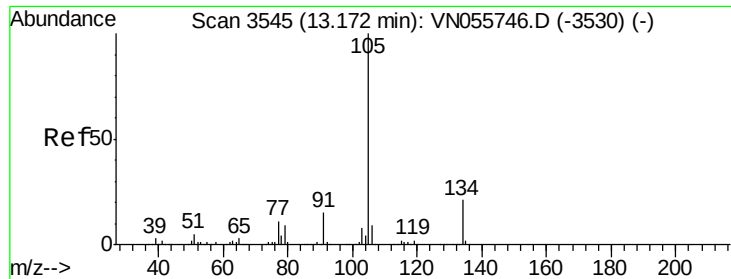
Tot Ion:119 Resp: 227671
 Ion Ratio Lower Upper
 119 100
 91 62.5 30.9 92.8
 134 26.4 13.3 39.8



#84
 1,2,4-Trimethylbenzene
 Concen: 20.293 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055745.D
 Acq: 23 May 2019 10:10

Tgt Ion:105 Resp: 254289
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.0 69.0





#85

sec-Butylbenzene

Concen: 20.241 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

Instrument :

MSVOA_N

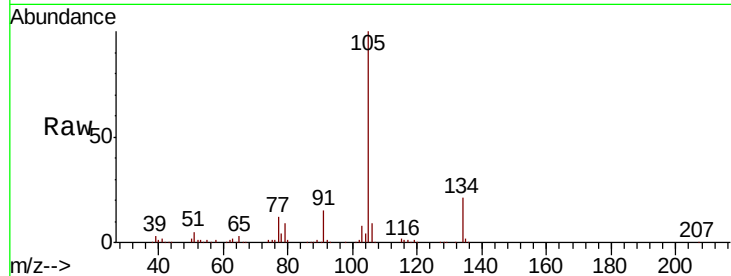
ClientSampleId :

Tot Ion:105 Resp: 286944

Ion Ratio Lower Upper

105 100

134 21.1 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

200000

150000

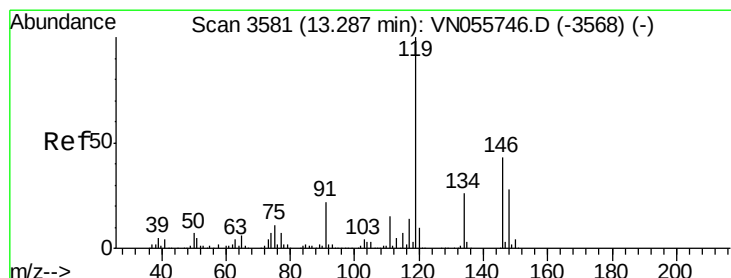
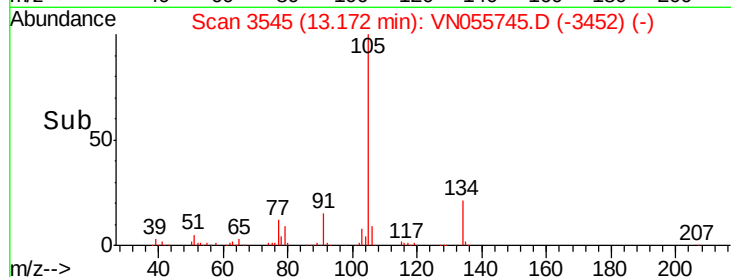
100000

50000

0

Time-->

13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 20.074 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

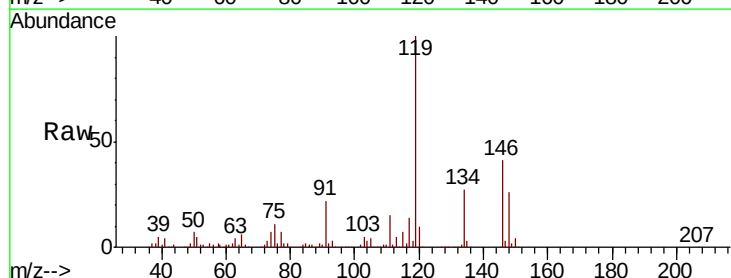
Tgt Ion:119 Resp: 261564

Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.1

91 22.0 10.9 32.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

200000

150000

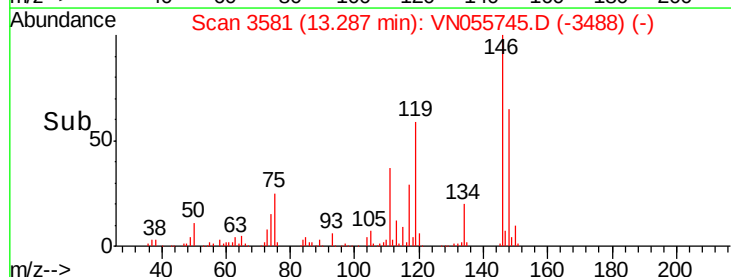
100000

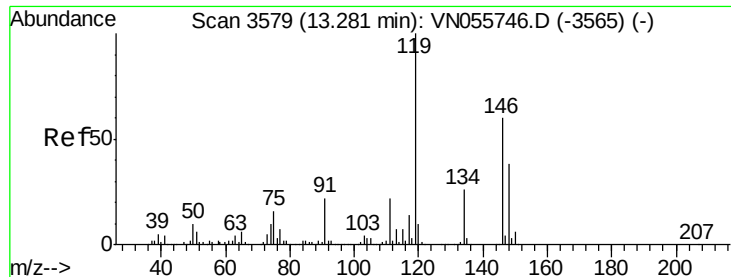
50000

0

Time-->

13.20 13.25 13.30 13.35

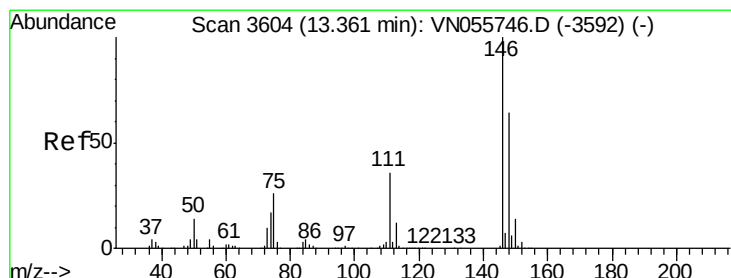
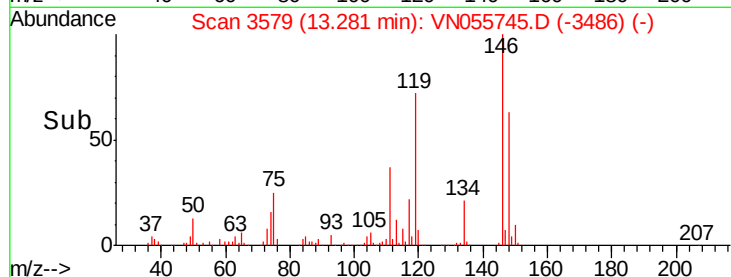
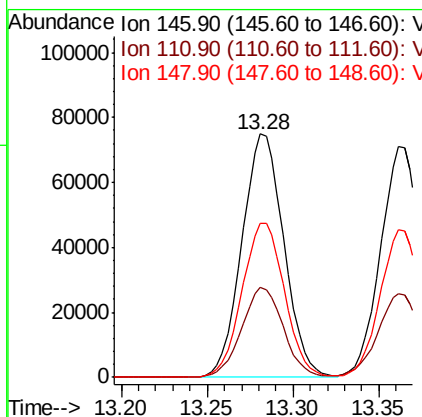
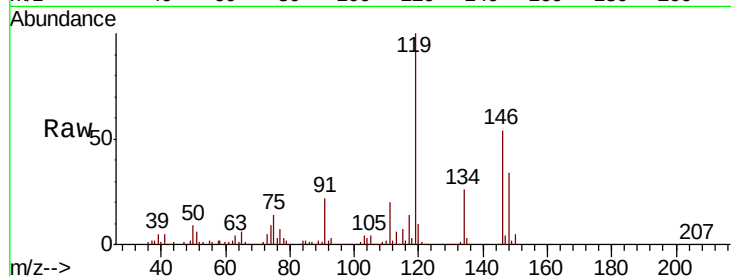




#87
 1,3-Dichlorobenzene
 Concen: 20.157 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055745.D
 Acq: 23 May 2019 10:10

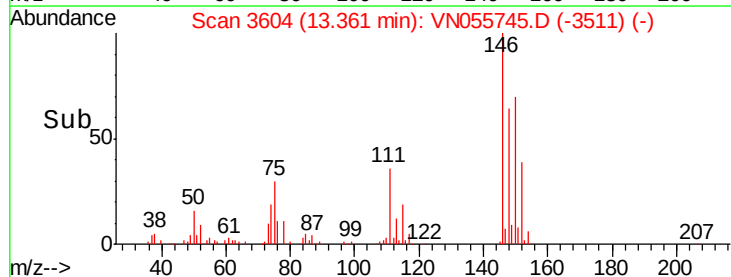
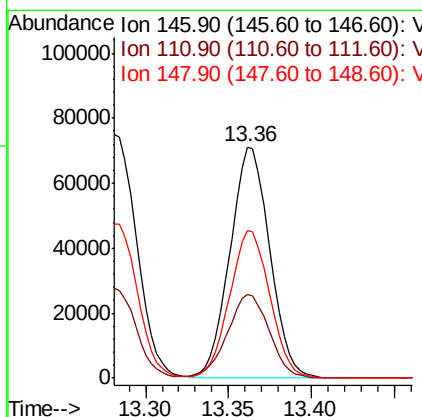
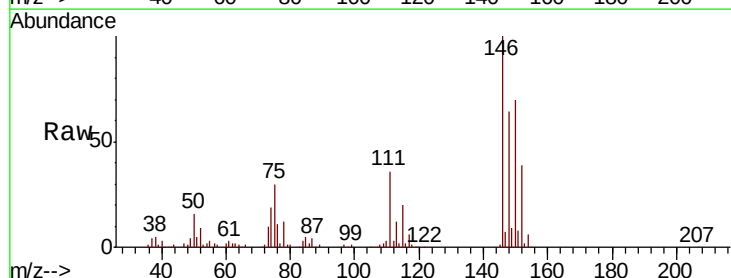
Instrument :
 MSVOA_N
 ClientSampled :

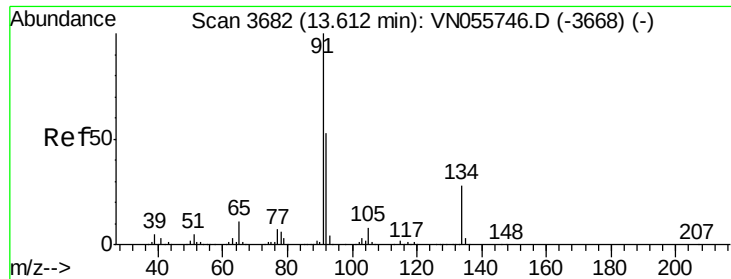
Tot Ion:146 Resp: 126948
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.5 55.5
 148 64.0 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 19.892 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055745.D
 Acq: 23 May 2019 10:10

Tgt Ion:146 Resp: 119159
 Ion Ratio Lower Upper
 146 100
 111 38.2 18.1 54.4
 148 64.6 32.1 96.5





#89

n-Butylbenzene

Concen: 19.356 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

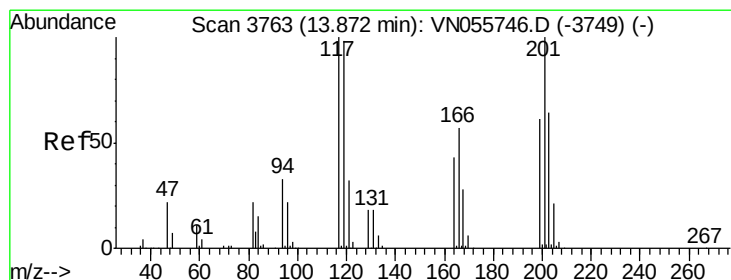
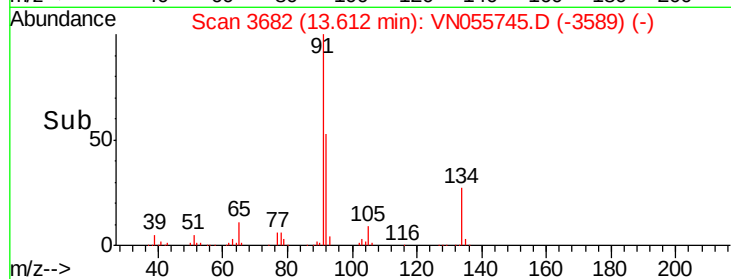
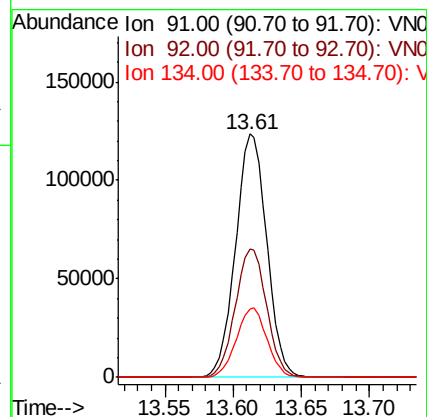
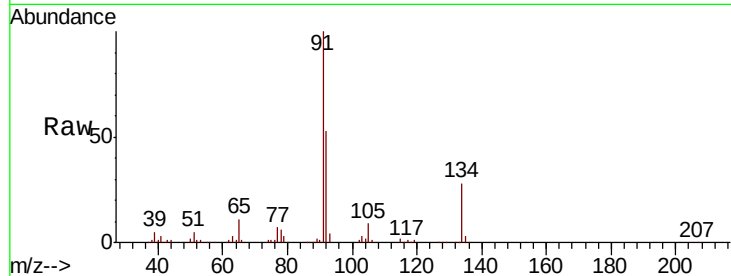
Tot Ion: 91 Resp: 195933

Ion Ratio Lower Upper

91 100

92 53.0 26.4 79.0

134 28.1 13.9 41.7



#90

Hexachloroethane

Concen: 20.179 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055745.D

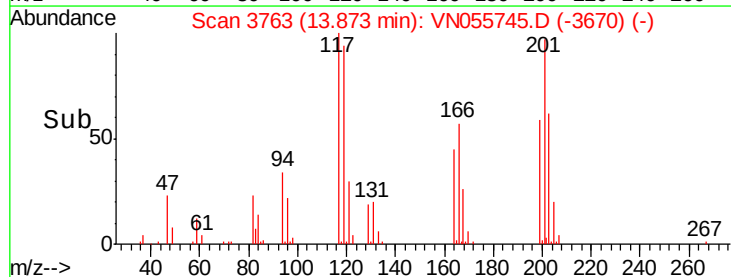
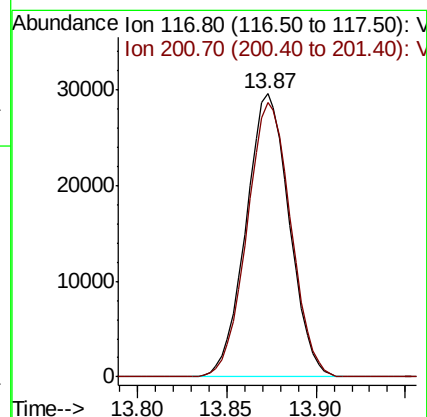
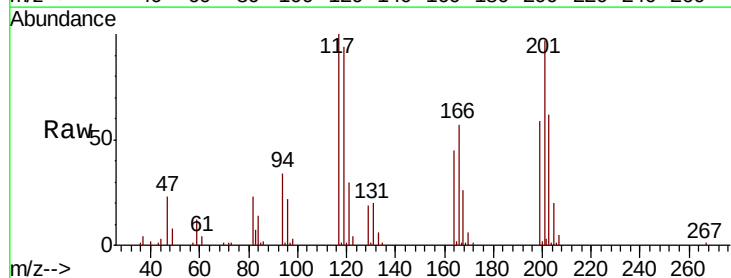
Acq: 23 May 2019 10:10

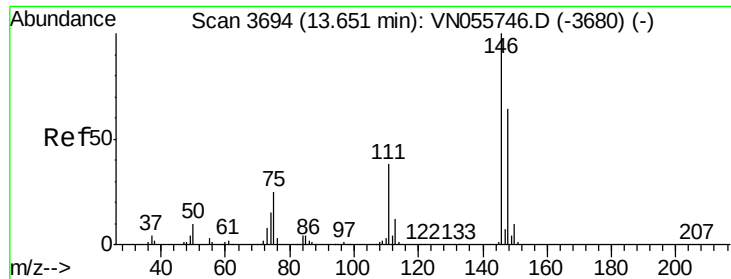
Tgt Ion: 117 Resp: 50190

Ion Ratio Lower Upper

117 100

201 97.7 50.0 150.0

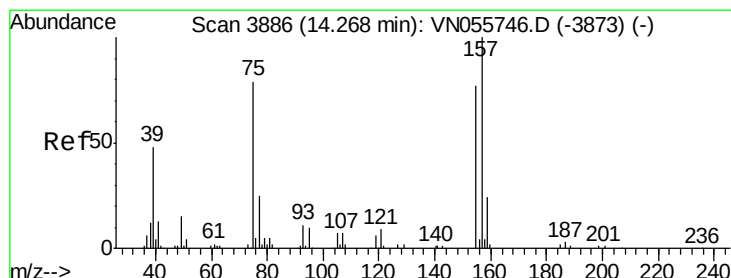
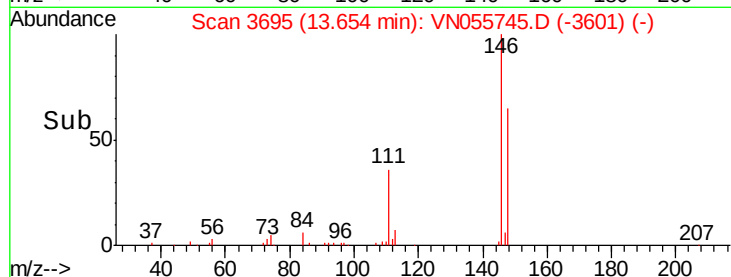
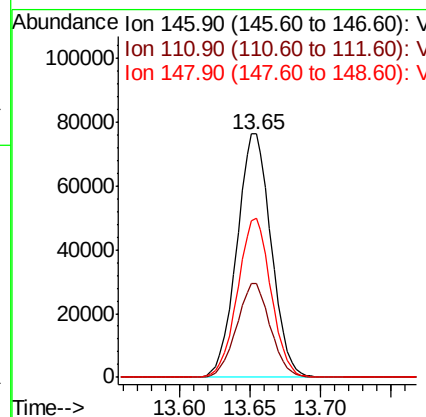
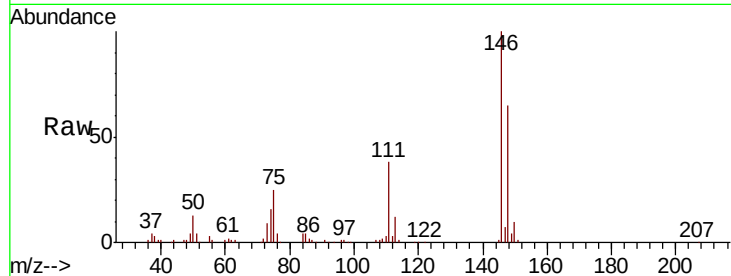




#91
 1,2-Dichlorobenzene
 Concen: 20.680 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055745.D
 Acq: 23 May 2019 10:10

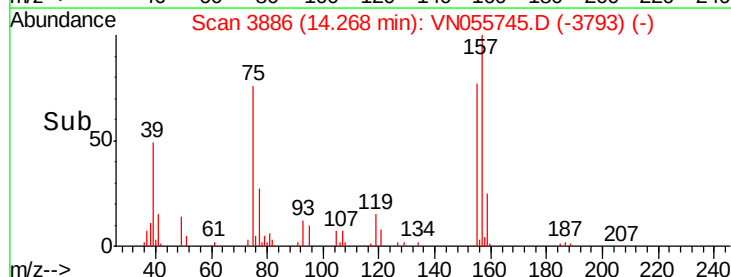
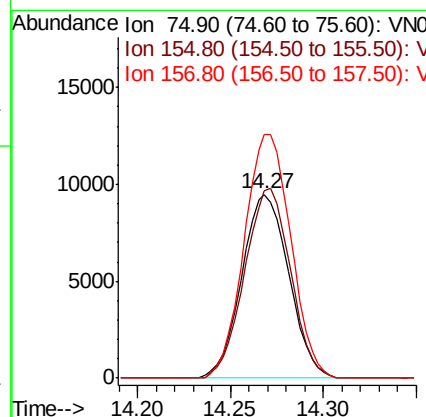
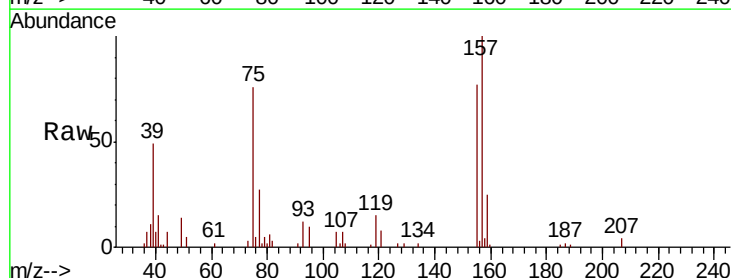
Instrument :
 MSVOA_N
 ClientSampled :

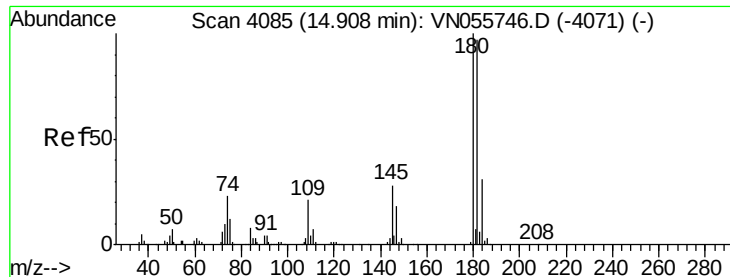
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.1	57.5
148	63.6	31.9	95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.124 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055745.D
 Acq: 23 May 2019 10:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.7	50.0	150.1
157	131.0	64.8	194.3

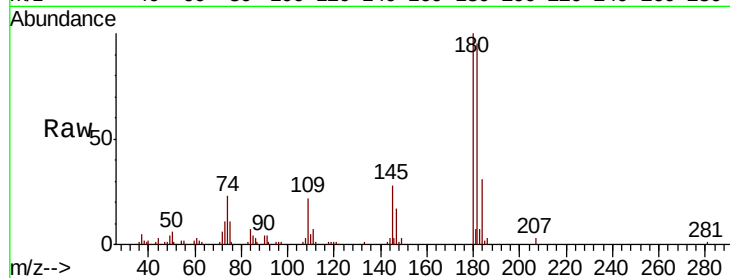




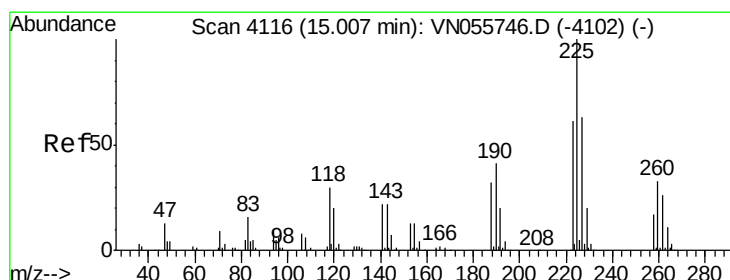
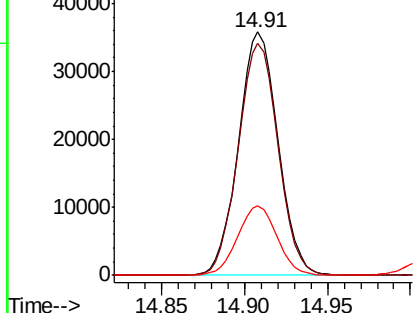
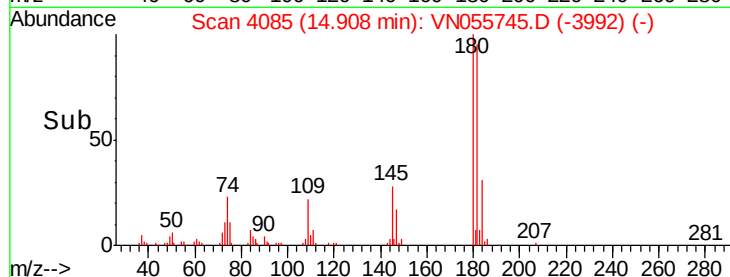
#93
 1,2,4-Trichlorobenzene
 Concen: 18.892 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055745.D
 Acq: 23 May 2019 10:10

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 59484
 Ion Ratio Lower Upper
 180 100
 182 95.9 48.3 144.9
 145 28.3 14.0 41.9

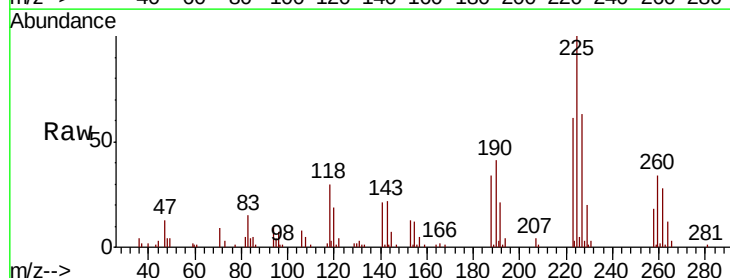


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

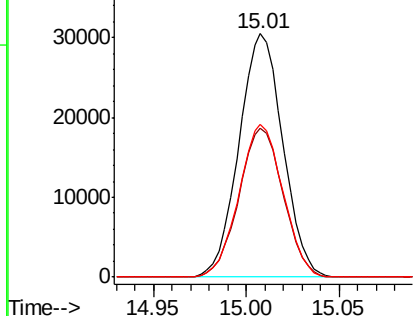
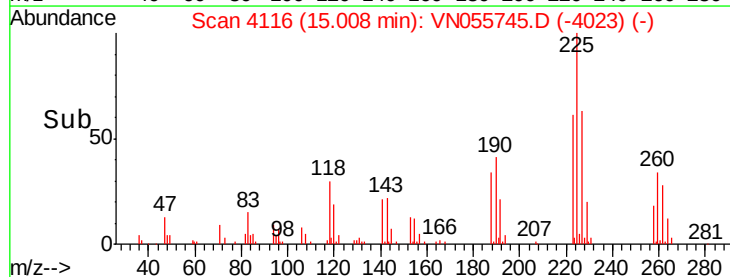


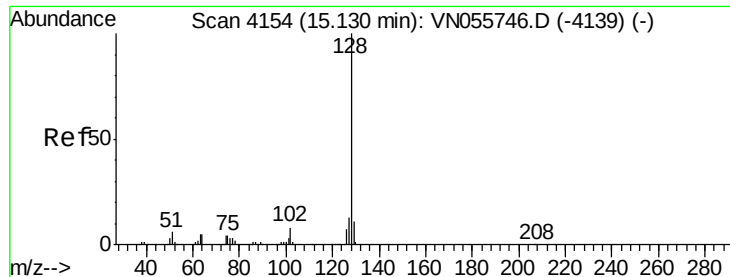
#94
 Hexachlorobutadiene
 Concen: 22.365 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055745.D
 Acq: 23 May 2019 10:10

Tgt Ion:225 Resp: 49949
 Ion Ratio Lower Upper
 225 100
 223 61.6 30.9 92.7
 227 63.0 31.6 94.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 19.335 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

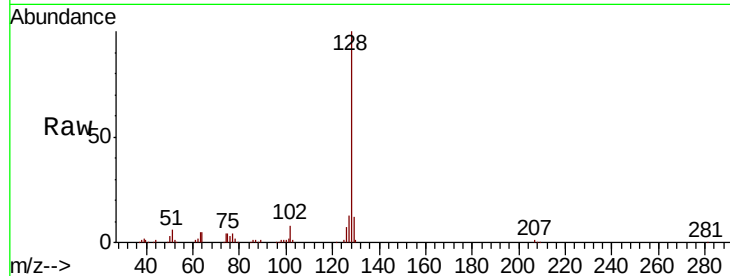
Tot Ion:128 Resp: 164722

Ion Ratio Lower Upper

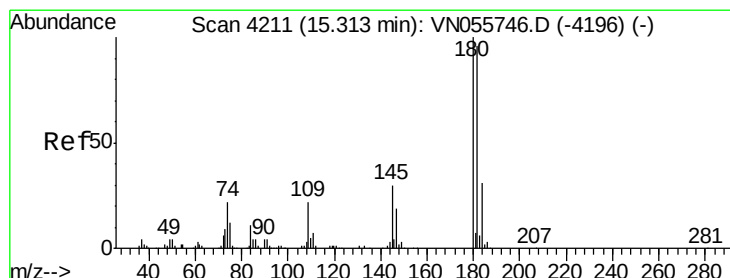
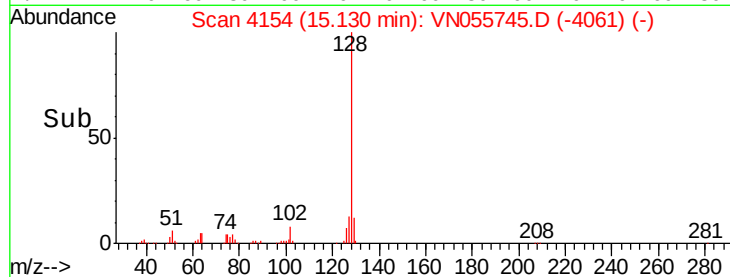
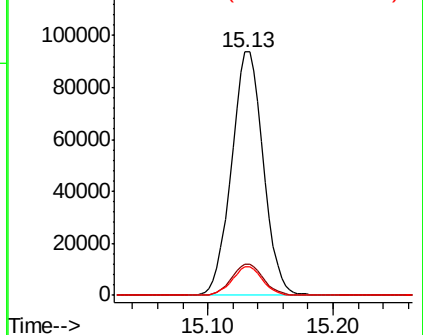
128 100

127 12.8 10.3 15.5

129 11.3 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.434 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

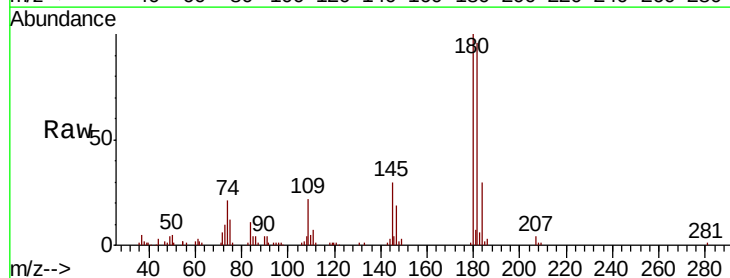
Tgt Ion:180 Resp: 64547

Ion Ratio Lower Upper

180 100

182 96.4 47.9 143.7

145 29.5 14.9 44.7



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

