

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052319\
 Data File : VN055751.D
 Acq On : 23 May 2019 14:03
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN052319

Quant Time: May 24 06:47:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	378782	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	535656	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	474668	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	225021	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	189750	48.51	ug/l	0.00
Spiked Amount			Recovery	=	97.02%	
35) Dibromofluoromethane	7.59	113	170012	50.20	ug/l	0.00
Spiked Amount			Recovery	=	100.40%	
50) Toluene-d8	10.09	98	646926	49.80	ug/l	0.00
Spiked Amount			Recovery	=	99.60%	
62) 4-Bromofluorobenzene	12.40	95	225257	50.57	ug/l	0.00
Spiked Amount			Recovery	=	101.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	116415	45.666	ug/l	100
3) Chloromethane	2.06	50	160930	45.057	ug/l	98
4) Vinyl Chloride	2.19	62	172788	45.356	ug/l	99
5) Bromomethane	2.54	94	112356	47.142	ug/l	100
6) Chloroethane	2.69	64	107911	47.048	ug/l	99
7) Trichlorofluoromethane	3.01	101	233894	46.830	ug/l	99
8) Diethyl Ether	3.40	74	103201	46.102	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	150211	48.180	ug/l	99
10) Methyl Iodide	3.94	142	221959	48.695	ug/l	100
11) Tert butyl alcohol	4.81	59	180194	241.092	ug/l	100
12) 1,1-Dichloroethene	3.72	96	149942	46.545	ug/l	98
13) Acrolein	3.60	56	118535	221.488	ug/l	98
14) Allyl chloride	4.31	41	260145	47.107	ug/l	100
15) Acrylonitrile	4.99	53	398600	232.252	ug/l	100
16) Acetone	3.82	43	414650	241.142	ug/l	98
17) Carbon Disulfide	4.04	76	413491	45.178	ug/l	99
18) Methyl Acetate	4.33	43	166042	47.433	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	498693	46.416	ug/l	99
20) Methylene Chloride	4.55	84	168079	45.135	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	161035	46.530	ug/l	97
22) Diisopropyl ether	5.96	45	497882	46.353	ug/l	98
23) Vinyl Acetate	5.90	43	2174063	236.075	ug/l	100
24) 1,1-Dichloroethane	5.84	63	287225	45.928	ug/l	99
25) 2-Butanone	6.84	43	569506	237.151	ug/l	99
26) 2,2-Dichloropropane	6.82	77	256901	47.466	ug/l	100
27) cis-1,2-Dichloroethene	6.82	96	188883	46.780	ug/l	99
28) Bromochloromethane	7.19	49	142802	47.960	ug/l	100
29) Tetrahydrofuran	7.22	42	349650	229.916	ug/l	99
30) Chloroform	7.37	83	291399	46.723	ug/l	100
31) Cyclohexane	7.65	56	271181	46.187	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	260832	46.866	ug/l	99
36) 1,1-Dichloropropene	7.79	75	222527	47.671	ug/l	100
37) Ethyl Acetate	6.93	43	217835	48.283	ug/l	99
38) Carbon Tetrachloride	7.77	117	228494	46.992	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	287502	49.736	ug/l	99
40) Benzene	8.04	78	672305	47.788	ug/l	100
41) Methacrylonitrile	7.18	41	95359	41.837	ug/l	89
42) 1,2-Dichloroethane	8.12	62	218955	47.629	ug/l	99
43) Isopropyl Acetate	8.17	43	356815	47.071	ug/l #	92
44) Trichloroethene	8.83	130	194679	49.637	ug/l	100
45) 1,2-Dichloropropane	9.12	63	175536	47.889	ug/l	99
46) Dibromomethane	9.21	93	116627	48.517	ug/l	98
47) Bromodichloromethane	9.40	83	236134	47.906	ug/l	99
48) Methyl methacrylate	9.20	41	174254	49.878	ug/l	99
49) 1,4-Dioxane	9.20	88	72025	992.082	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1067504	238.444	ug/l	99
52) Toluene	10.16	92	430270	48.629	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	261566	49.713	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	286905	49.223	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	170150	48.002	ug/l	99
56) Ethyl methacrylate	10.43	69	267992	48.920	ug/l	99
57) 1,3-Dichloropropane	10.71	76	276870	48.053	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	512053	244.589	ug/l	100
59) 2-Hexanone	10.75	43	782065	246.243	ug/l	100
60) Dibromochloromethane	10.90	129	202939	49.146	ug/l	99
61) 1,2-Dibromoethane	11.00	107	178787	48.627	ug/l	98
64) Tetrachloroethene	10.63	164	192838	48.168	ug/l	97
65) Chlorobenzene	11.43	112	462904	48.715	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	181536	47.900	ug/l	99
67) Ethyl Benzene	11.51	91	825782	48.460	ug/l	99
68) m/p-Xylenes	11.62	106	633750	98.376	ug/l	99
69) o-Xylene	11.95	106	311004	48.660	ug/l	99
70) Styrene	11.96	104	520569	50.295	ug/l	100
71) Bromoform	12.13	173	161696	50.020	ug/l #	100
73) Isopropylbenzene	12.25	105	819839	51.288	ug/l	100
74) N-amyl acetate	12.07	43	299540	49.118	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	237965	50.210	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	294764	77.828	ug/l #	100
77) Bromobenzene	12.53	156	213208	44.402	ug/l	99
78) n-propylbenzene	12.59	91	882018	45.099	ug/l	100
79) 2-Chlorotoluene	12.67	91	528535	50.181	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	673779	50.009	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	77631	46.418	ug/l	99
82) 4-Chlorotoluene	12.77	91	523536	45.540	ug/l	99
83) tert-Butylbenzene	12.99	119	590375	50.737	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	671392	49.909	ug/l	99
85) sec-Butylbenzene	13.17	105	778026	51.429	ug/l	100
86) p-Isopropyltoluene	13.29	119	721099	46.145	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	362286	47.649	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	350436	48.478	ug/l	99
89) n-Butylbenzene	13.61	91	582104	48.617	ug/l	100
90) Hexachloroethane	13.87	117	133884	45.012	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	350313	46.181	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	44323	44.455	ug/l	98

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Quant Title : SW846 8260
QLast Update : Fri May 24 06:41:54 2019
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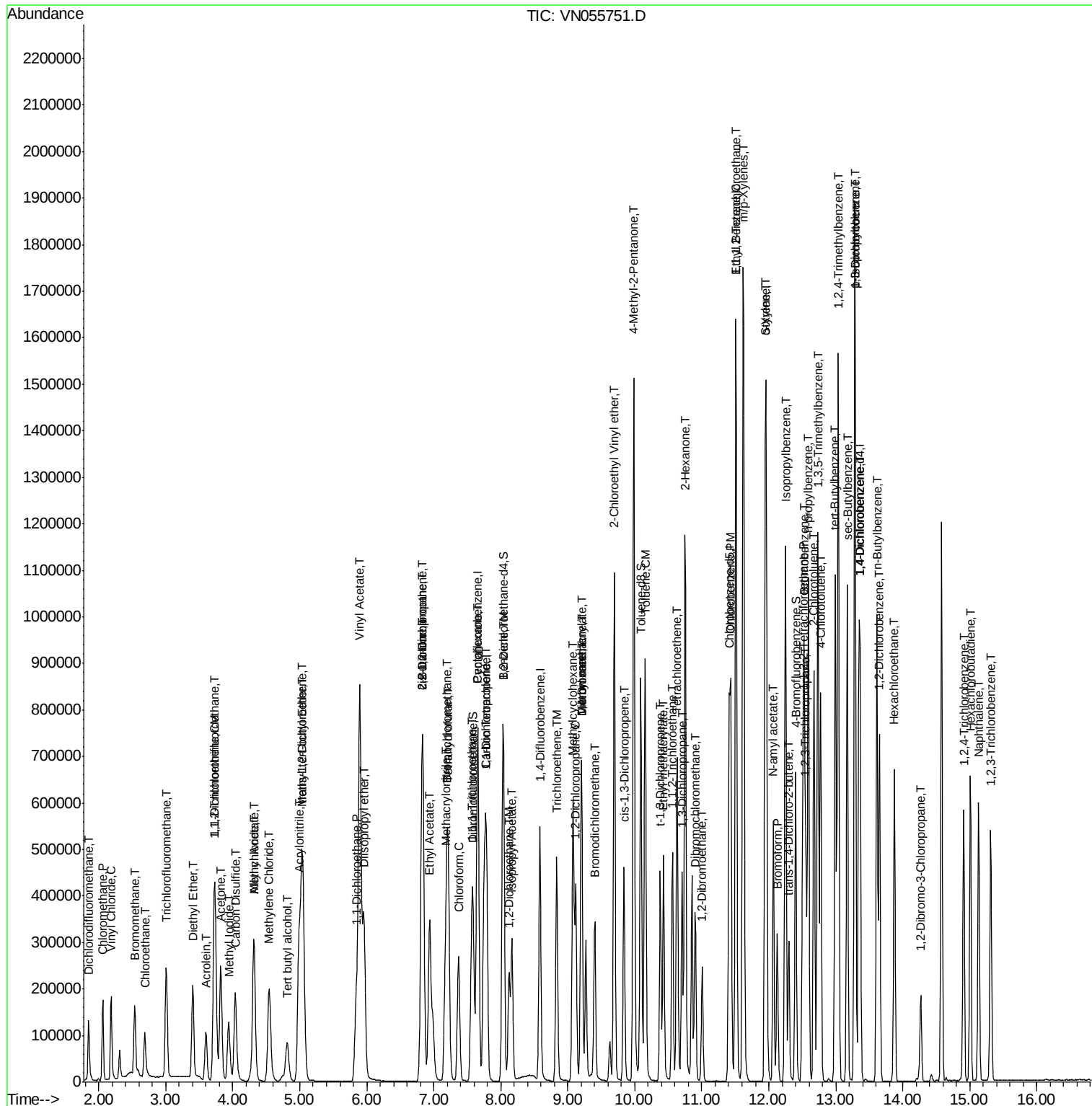
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	209351	48.116	ug/l	99
94) Hexachlorobutadiene	15.01	225	146035	54.881	ug/l	98
95) Naphthalene	15.13	128	533310	51.234	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	211998	52.869	ug/l	100

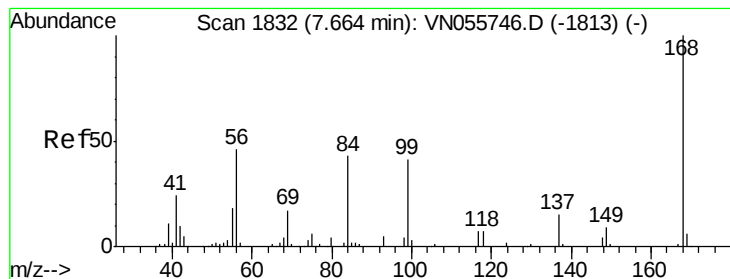
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN052319\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055751.D

Acq: 23 May 2019 14:03

Instrument :

MSVOA_N

ClientSampleId :

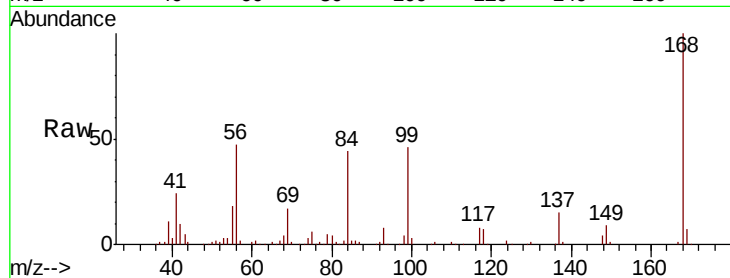
ICV052319

Tot Ion:168 Resp: 378782

Ion Ratio Lower Upper

168 100

99 45.7 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

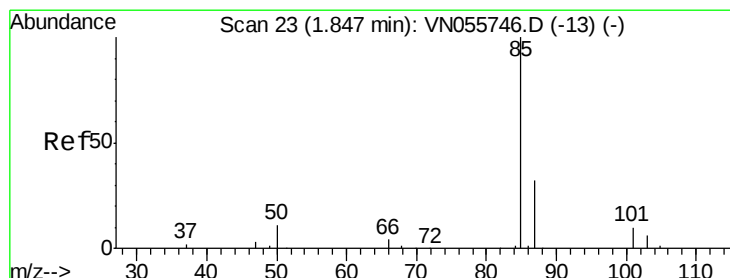
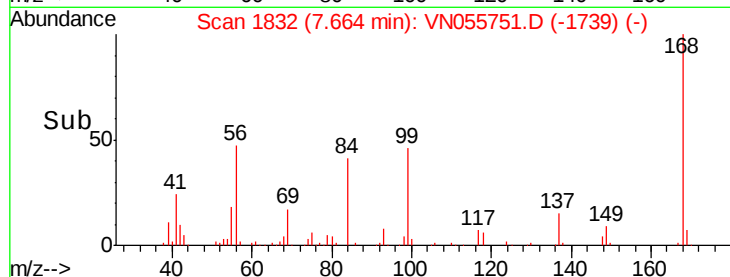
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.666 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055751.D

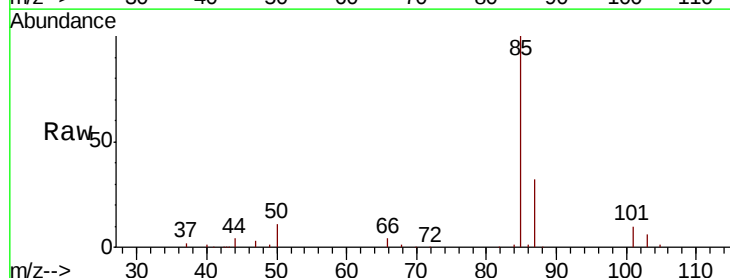
Acq: 23 May 2019 14:03

Tgt Ion: 85 Resp: 116415

Ion Ratio Lower Upper

85 100

87 32.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

80000

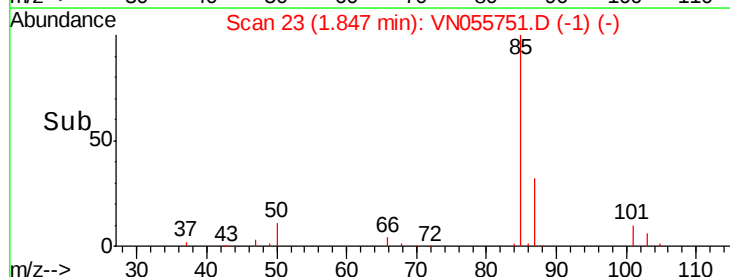
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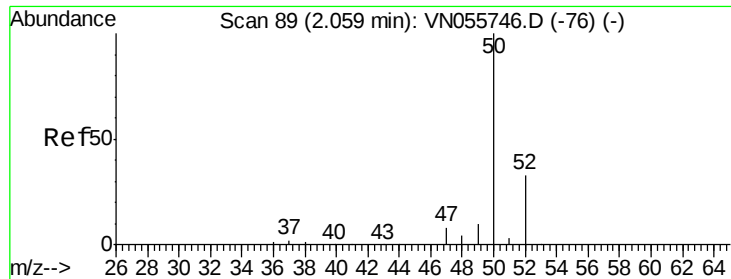
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20000

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Time-->





#3

Chloromethane

Concen: 45.057 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055751.D

Acq: 23 May 2019 14:03

Instrument :

MSVOA_N

ClientSampleId :

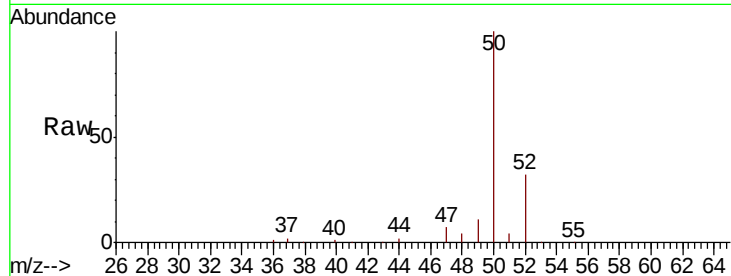
ICVVN052319

Tot Ion: 50 Resp: 160930

Ion Ratio Lower Upper

50 100

52 32.3 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VN055746.D (-76) (-)

Ion 51.90 (51.60 to 52.60): VN055746.D (-76) (-)

2.06

120000

100000

80000

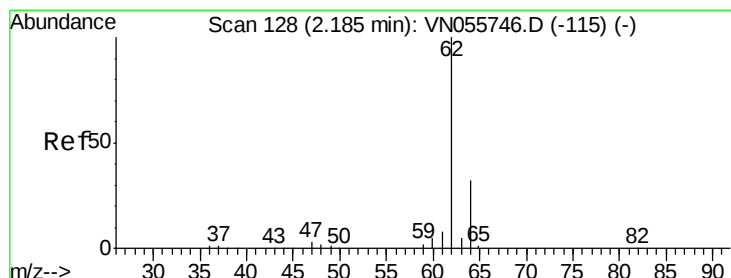
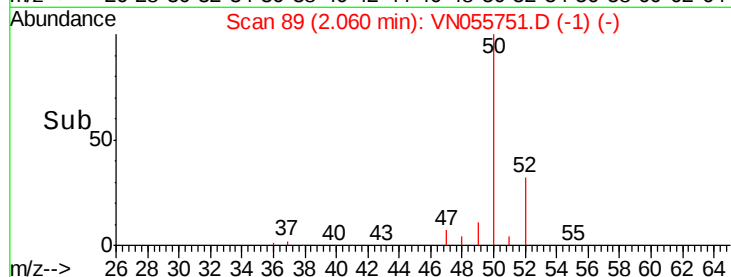
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 45.356 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN055751.D

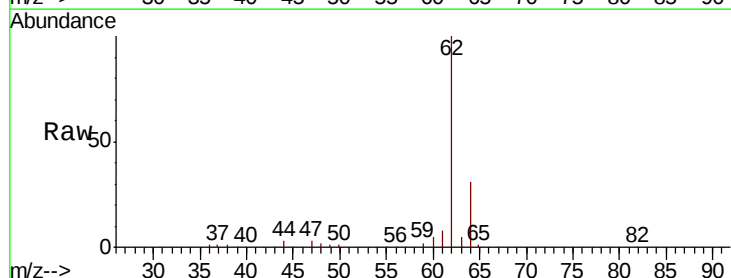
Acq: 23 May 2019 14:03

Tgt Ion: 62 Resp: 172788

Ion Ratio Lower Upper

62 100

64 31.4 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN055746.D (-115) (-)

Ion 63.90 (63.60 to 64.60): VN055746.D (-115) (-)

2.19

120000

100000

80000

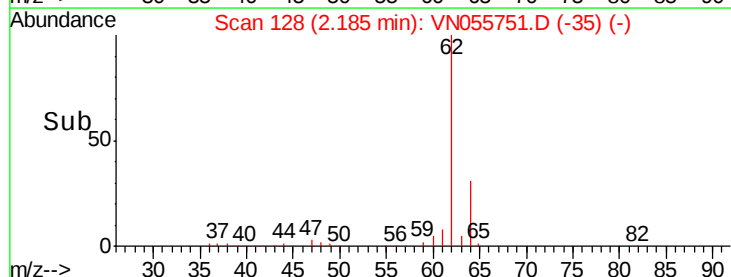
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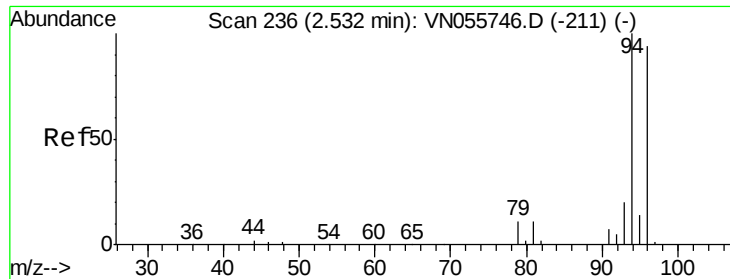
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20000

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Time-->





#5

Bromomethane

Concen: 47.142 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.00 min

Lab File: VN055751.D

Acq: 23 May 2019 14:03

Instrument :

MSVOA_N

ClientSampleId :

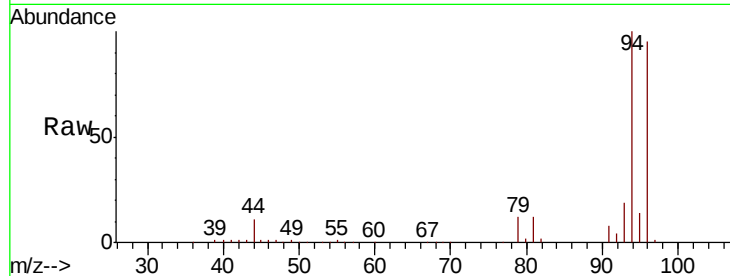
ICV052319

Tot Ion: 94 Resp: 112356

Ion Ratio Lower Upper

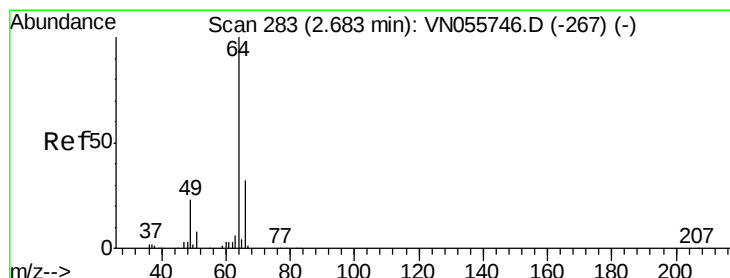
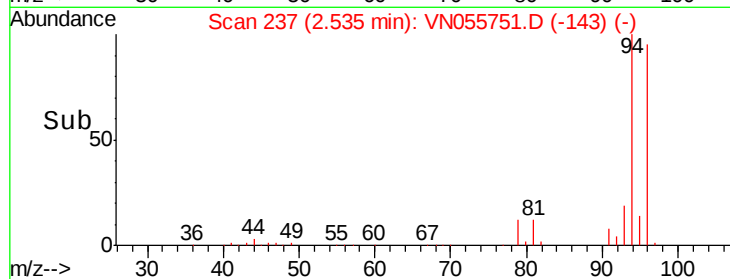
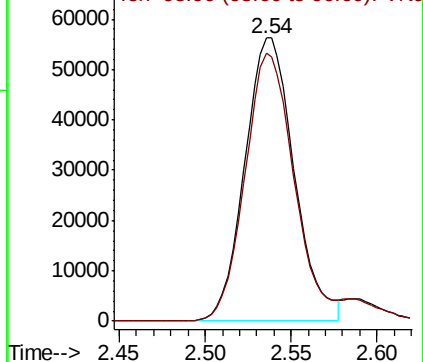
94 100

96 94.7 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: 47.048 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN055751.D

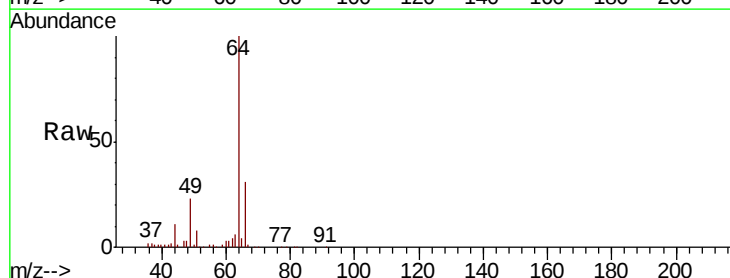
Acq: 23 May 2019 14:03

Tgt Ion: 64 Resp: 107911

Ion Ratio Lower Upper

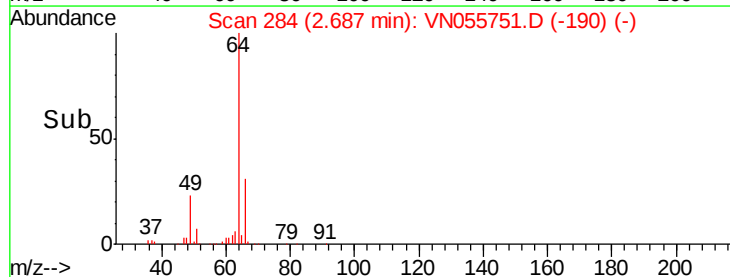
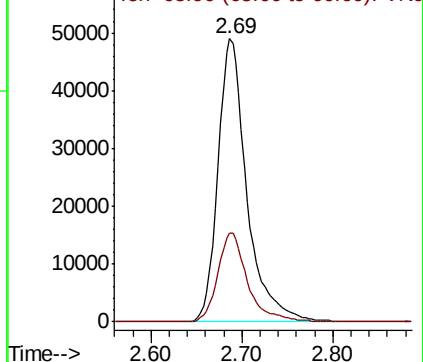
64 100

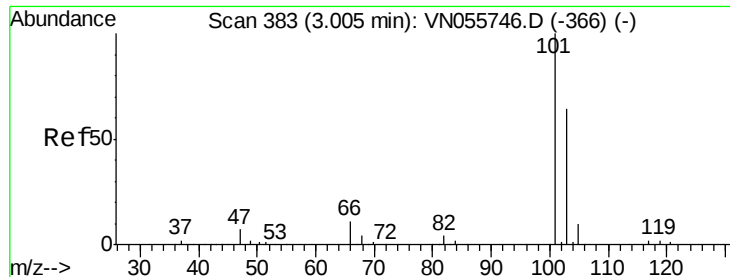
66 31.3 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



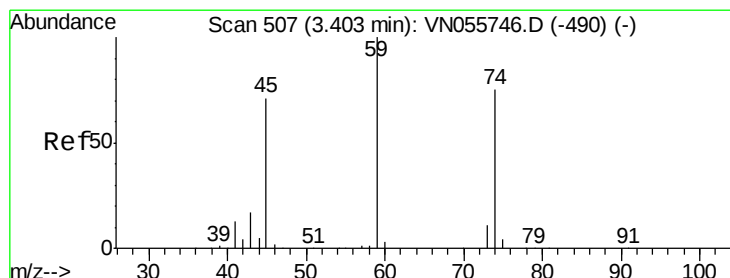
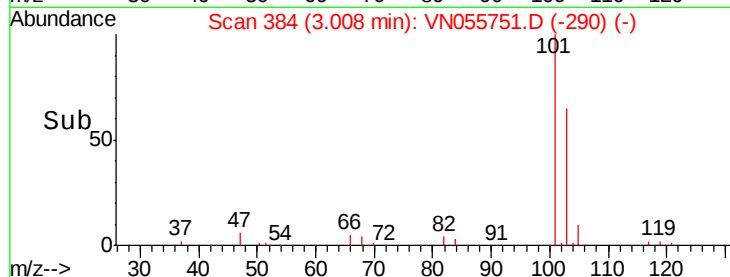
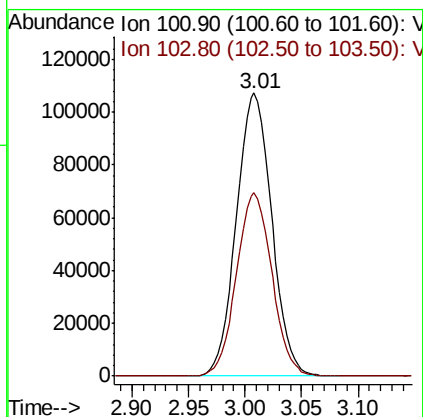
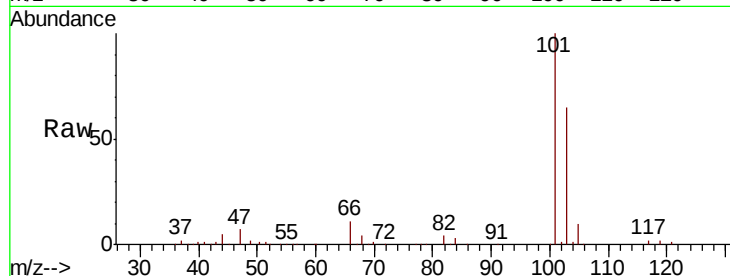


#7

Trichlorofluoromethane
 Concen: 46.830 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. 0.00 min
 Lab File: VN055751.D
 Acq: 23 May 2019 14:03

Instrument :
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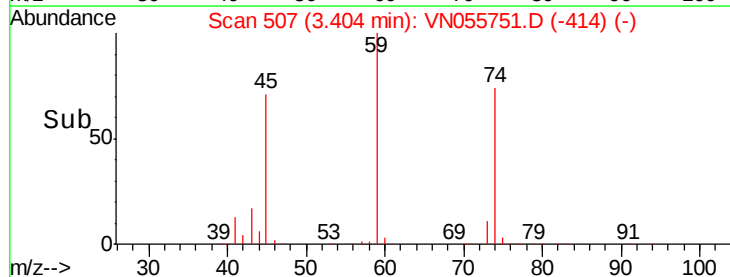
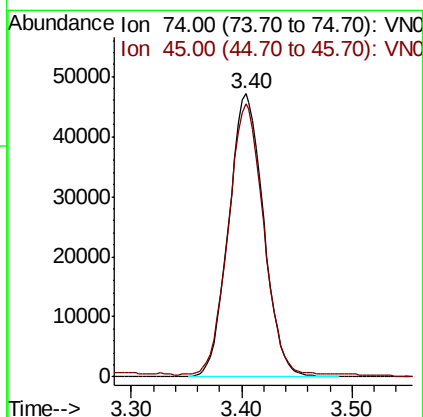
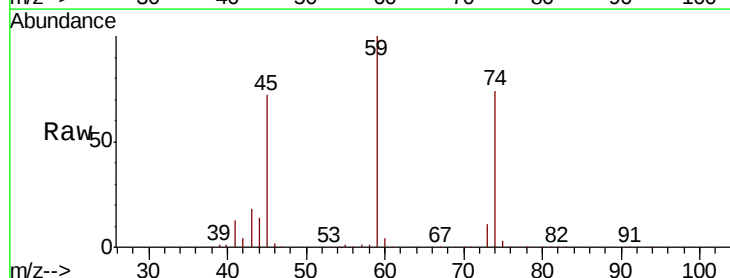
Tot Ion:101 Resp: 233894
 Ion Ratio Lower Upper
 101 100
 103 64.8 51.2 76.8

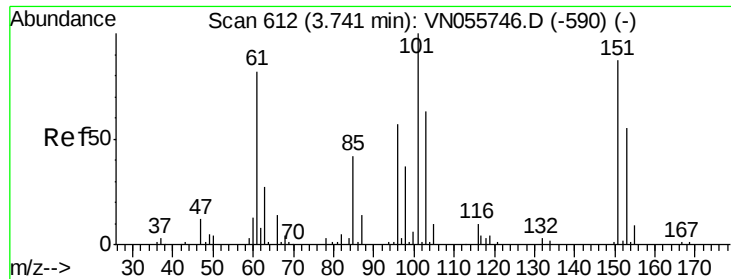


#8

Diethyl Ether
 Concen: 46.102 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN055751.D
 Acq: 23 May 2019 14:03

Tgt Ion: 74 Resp: 103201
 Ion Ratio Lower Upper
 74 100
 45 95.8 48.6 145.9

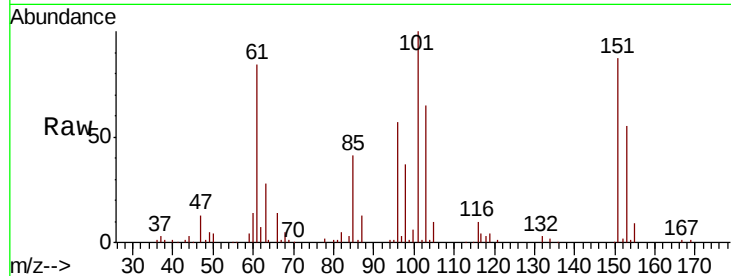




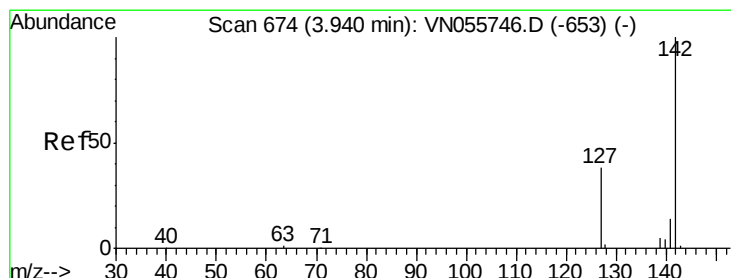
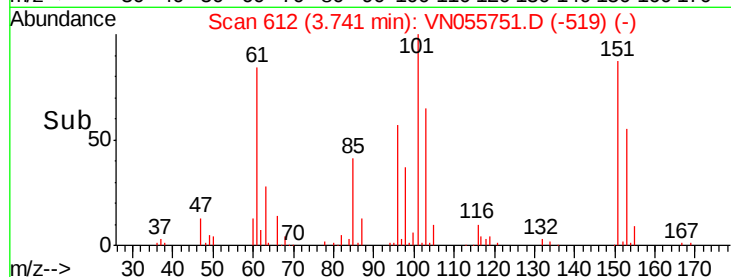
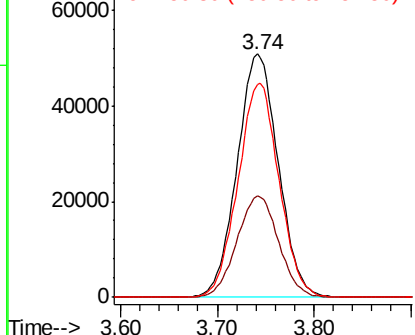
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 48.180 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN055751.D
 Acq: 23 May 2019 14:03

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN052319

Tot Ion:101 Resp: 150211
 Ion Ratio Lower Upper
 101 100
 85 42.2 33.4 50.2
 151 87.8 69.4 104.2

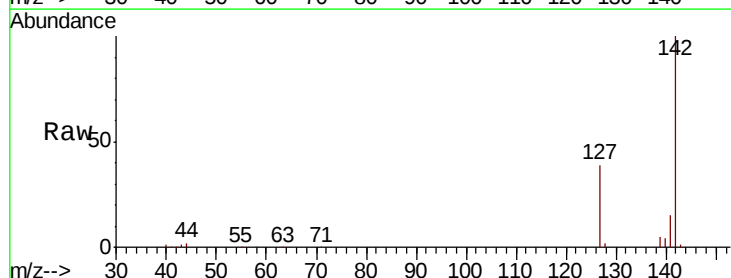


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): VN
 Ion 150.80 (150.50 to 151.50): V

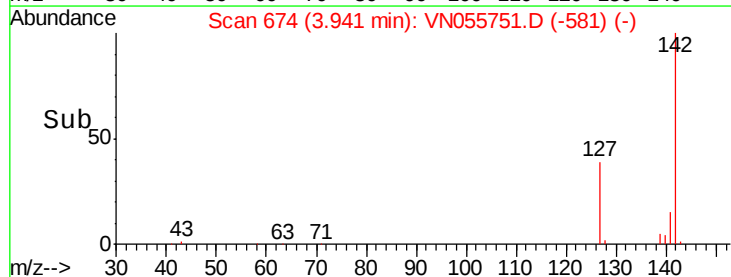
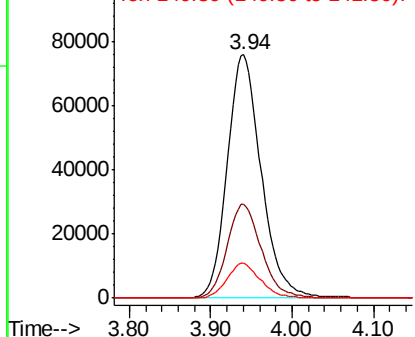


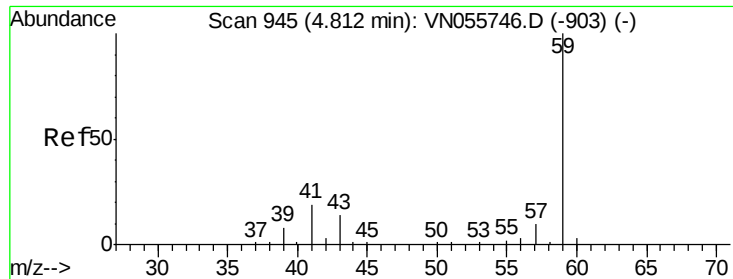
#10
 Methyl Iodide
 Concen: 48.695 ug/l
 RT: 3.94 min Scan# 674
 Delta R.T. 0.00 min
 Lab File: VN055751.D
 Acq: 23 May 2019 14:03

Tgt Ion:142 Resp: 221959
 Ion Ratio Lower Upper
 142 100
 127 39.0 31.0 46.4
 141 14.1 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

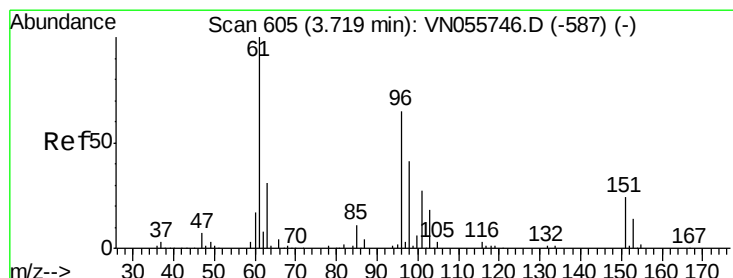
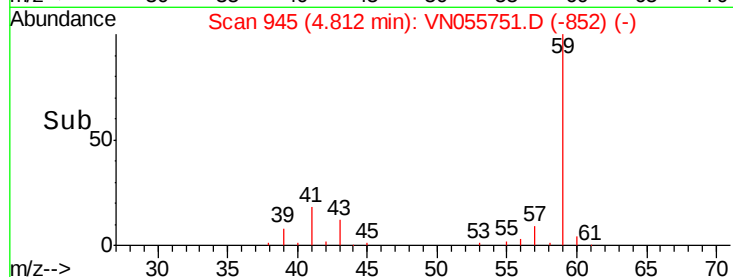
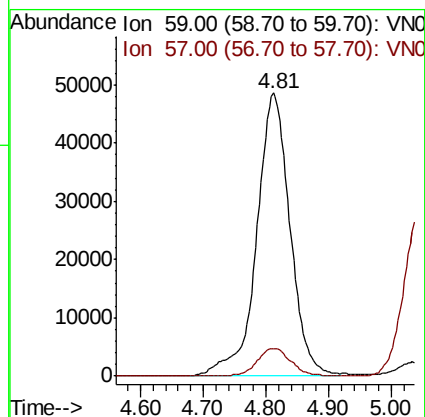
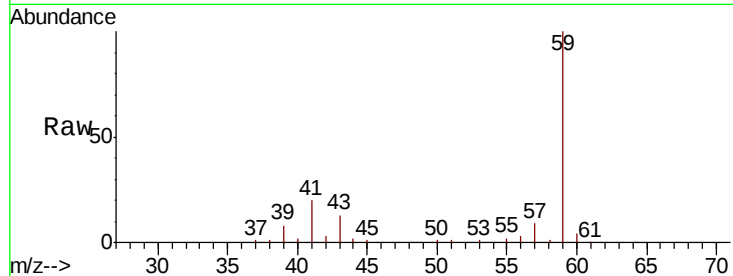




#11
Tert butyl alcohol
Concen: 241.092 ug/l
RT: 4.81 min Scan# 945
Delta R.T. 0.00 min
Lab File: VN055751.D
Acq: 23 May 2019 14:03

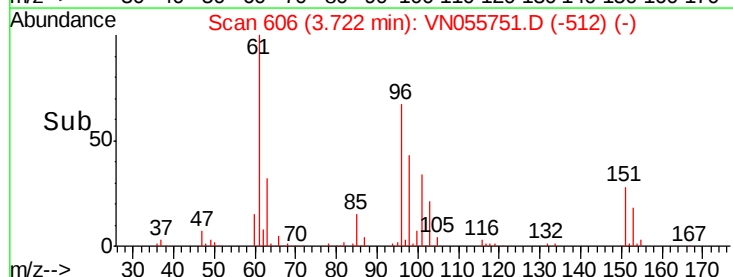
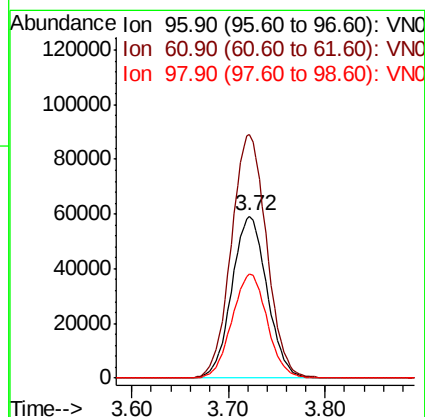
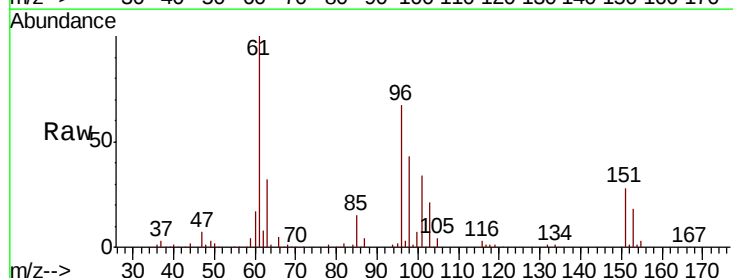
Instrument :
MSVOA_N
ClientSampleId :
ICVFN052319

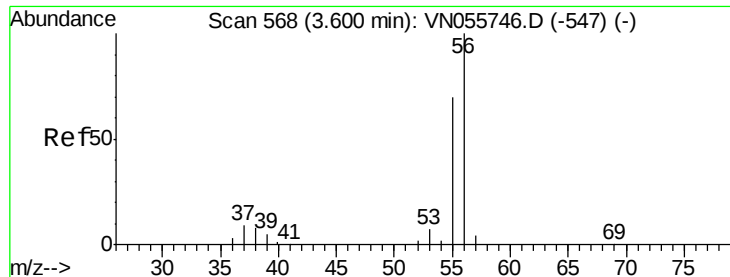
Tot Ion: 59 Resp: 180194
Ion Ratio Lower Upper
59 100
57 9.8 7.8 11.6



#12
1,1-Dichloroethene
Concen: 46.545 ug/l
RT: 3.72 min Scan# 606
Delta R.T. 0.00 min
Lab File: VN055751.D
Acq: 23 May 2019 14:03

Tgt Ion: 96 Resp: 149942
Ion Ratio Lower Upper
96 100
61 150.3 123.2 184.8
98 64.0 50.4 75.6





#13

Acrolein

Concen: 221.488 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055751.D

Acq: 23 May 2019 14:03

Instrument :

MSVOA_N

ClientSampleId :

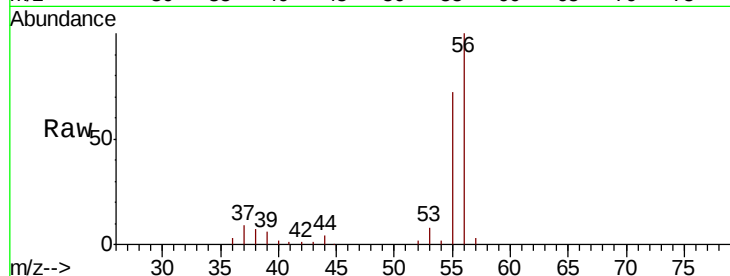
ICV052319

Tot Ion: 56 Resp: 118535

Ion Ratio Lower Upper

56 100

55 71.1 55.4 83.2



Abundance Ion 56.00 (55.70 to 56.70): VN055746.D (-547) (-)

Ion 55.00 (54.70 to 55.70): VN055746.D (-547) (-)

3.60

50000

40000

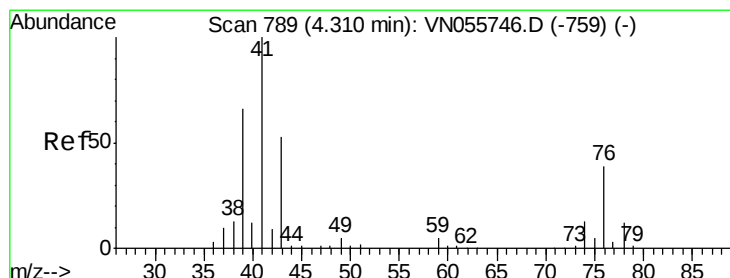
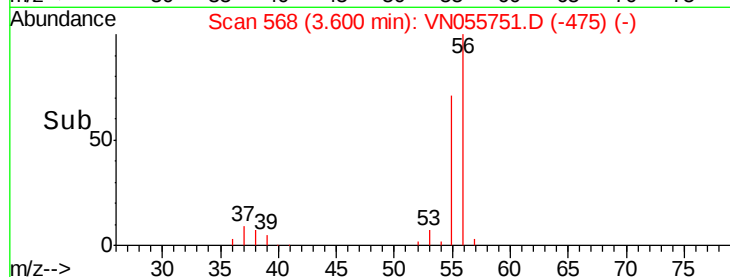
30000

20000

10000

0

Time-->



#14

Allyl chloride

Concen: 47.107 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN055751.D

Acq: 23 May 2019 14:03

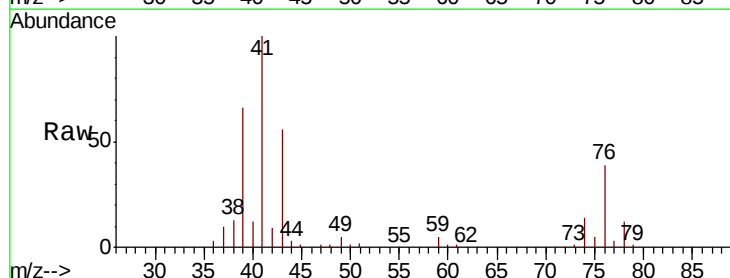
Tgt Ion: 41 Resp: 260145

Ion Ratio Lower Upper

41 100

39 62.2 50.0 75.0

76 34.9 28.2 42.2



Abundance Ion 41.00 (40.70 to 41.70): VN055746.D (-759) (-)

Ion 39.00 (38.70 to 39.70): VN055746.D (-759) (-)

Ion 75.90 (75.60 to 76.60): VN055746.D (-759) (-)

4.31

100000

80000

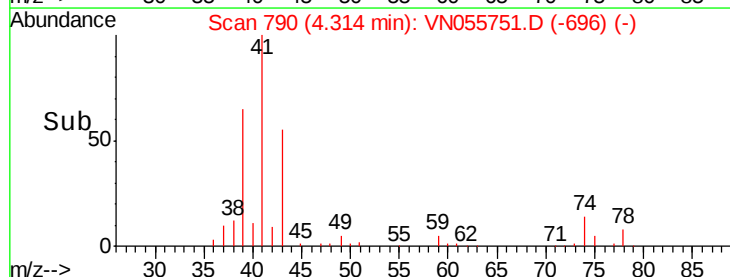
60000

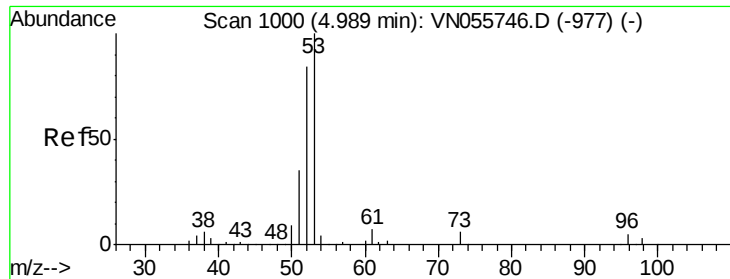
40000

20000

0

Time-->

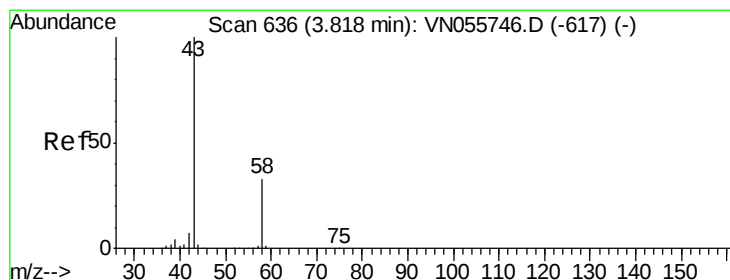
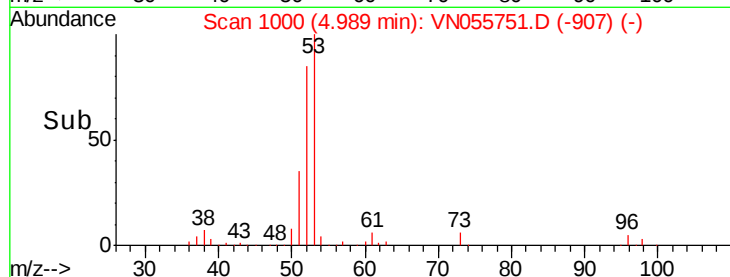
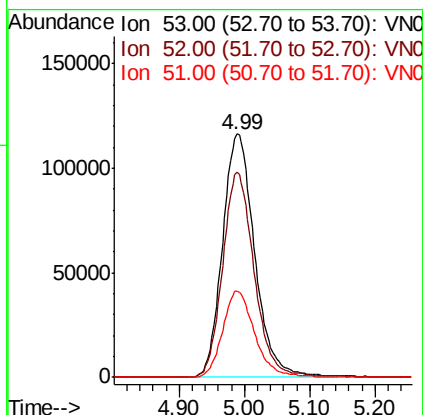
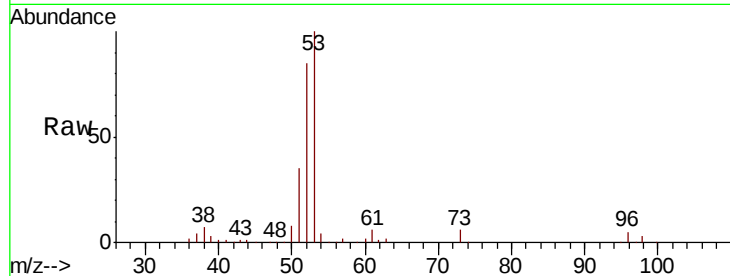




#15
 Acrylonitrile
 Concen: 232.252 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN055751.D
 Acq: 23 May 2019 14:03

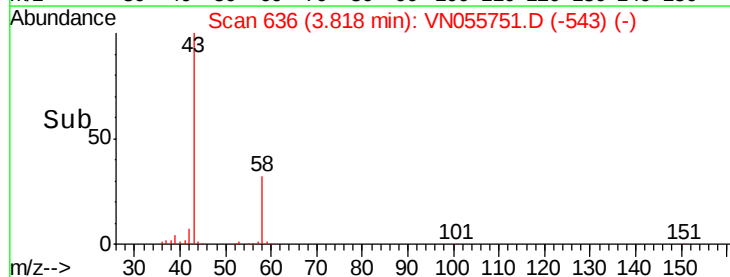
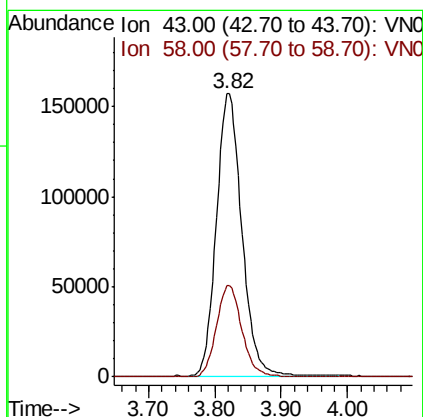
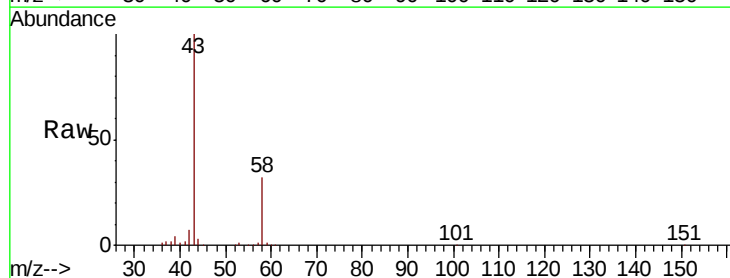
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN052319

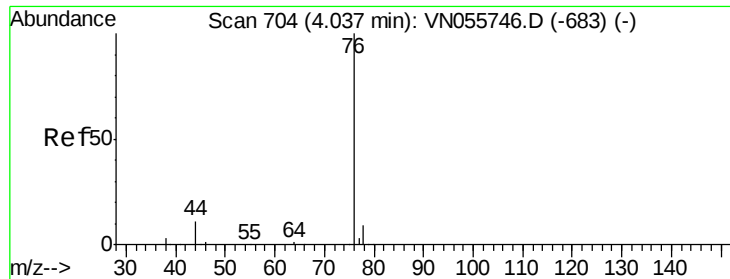
Tot Ion	53	Resp	398600
Ion Ratio	Lower	Upper	
53	100		
52	82.7	65.8	98.8
51	35.4	28.2	42.4



#16
 Acetone
 Concen: 241.142 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN055751.D
 Acq: 23 May 2019 14:03

Tgt Ion	43	Resp	414650
Ion Ratio	Lower	Upper	
43	100		
58	32.3	26.6	39.8

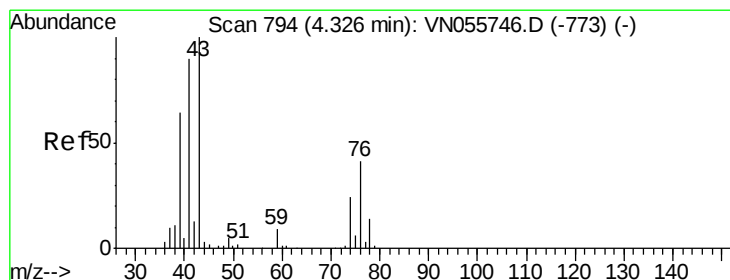
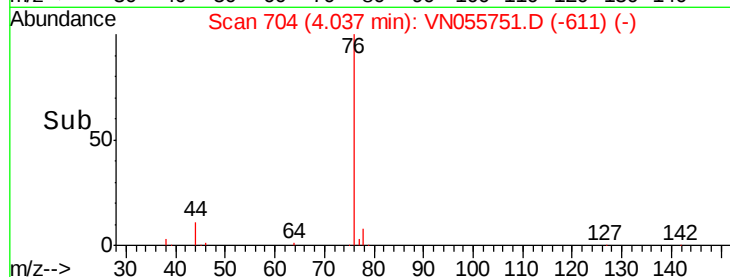
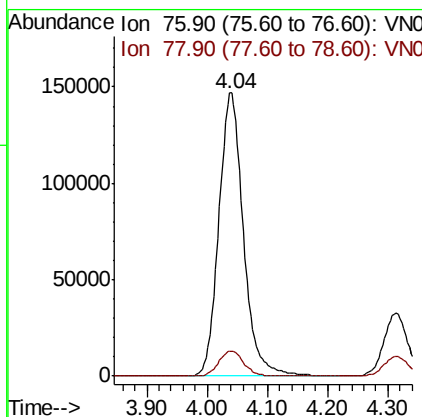
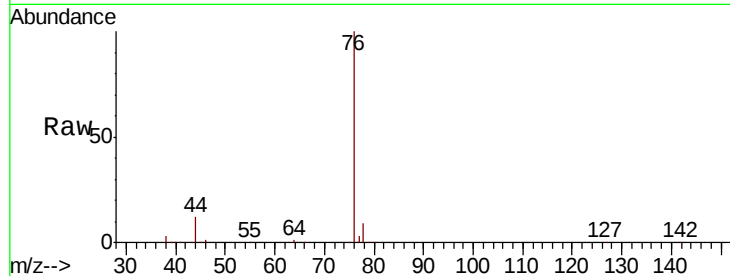




#17
Carbon Disulfide
Concen: 45.178 ug/l
RT: 4.04 min Scan# 704
Delta R.T. 0.00 min
Lab File: VN055751.D
Acq: 23 May 2019 14:03

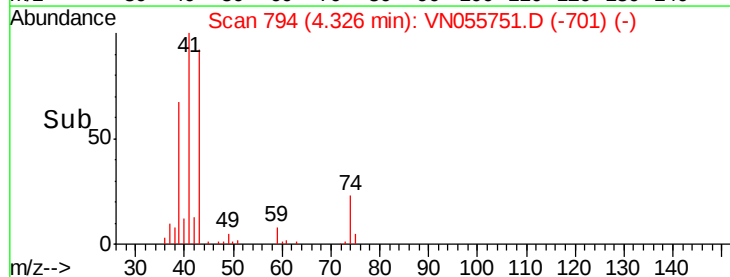
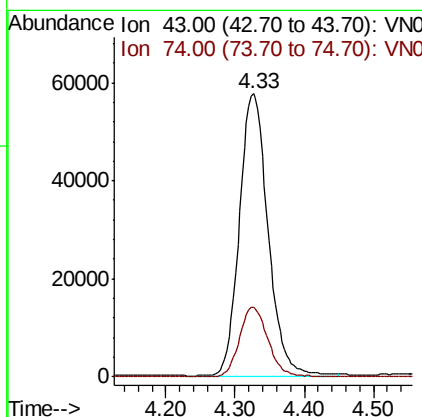
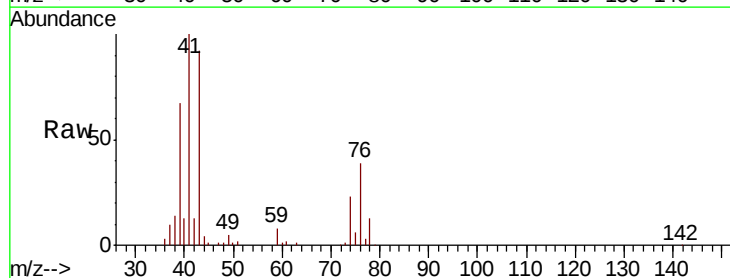
Instrument :
MSVOA_N
ClientSampleId :
ICVVN052319

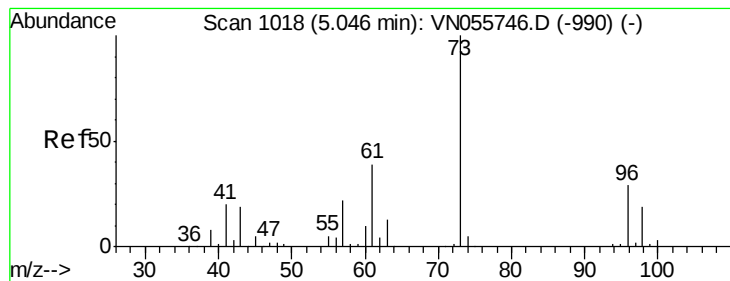
Tot Ion: 76 Resp: 413491
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.2



#18
Methyl Acetate
Concen: 47.433 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055751.D
Acq: 23 May 2019 14:03

Tgt Ion: 43 Resp: 166042
Ion Ratio Lower Upper
43 100
74 24.5 19.3 28.9



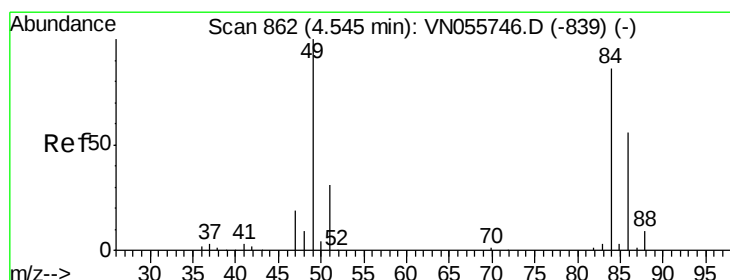
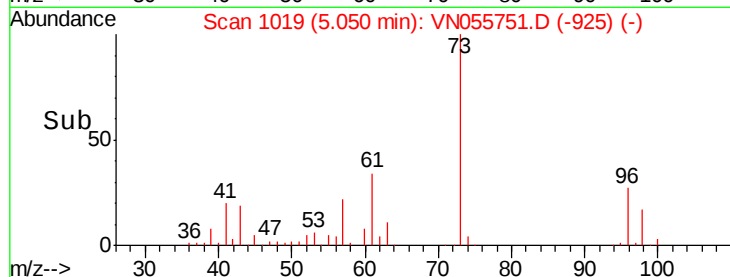
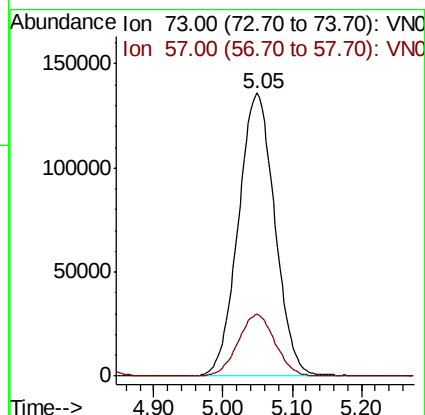
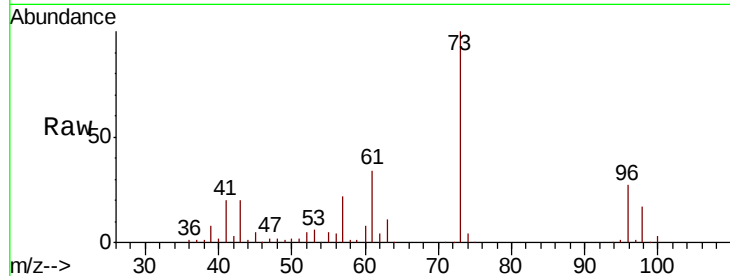


#19

Methyl tert-butyl Ether
 Concen: 46.416 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN055751.D
 Acq: 23 May 2019 14:03

Instrument :
 MSVOA_N
 ClientSampleID :
 ICVVN052319

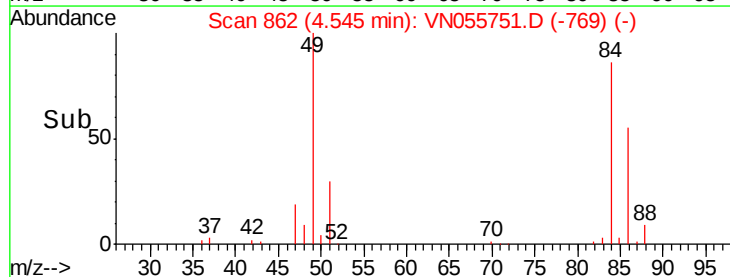
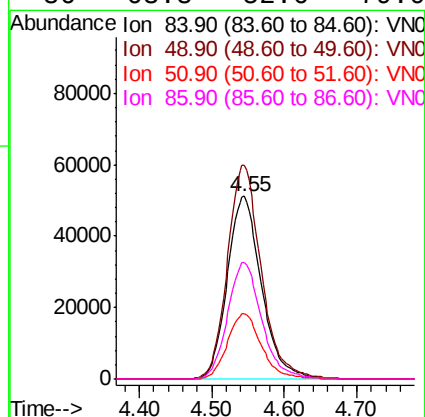
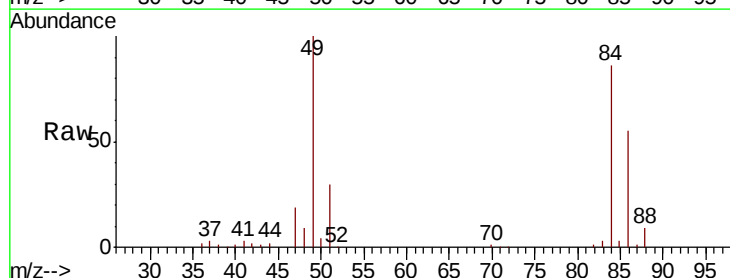
Tot Ion: 73 Resp: 498693
 Ion Ratio Lower Upper
 73 100
 57 21.9 17.8 26.8

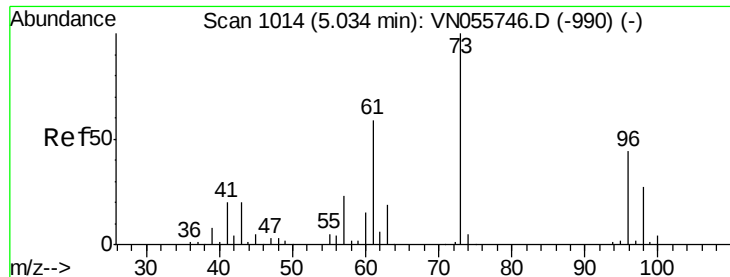


#20

Methylene Chloride
 Concen: 45.135 ug/l
 RT: 4.55 min Scan# 862
 Delta R.T. 0.00 min
 Lab File: VN055751.D
 Acq: 23 May 2019 14:03

Tgt Ion: 84 Resp: 168079
 Ion Ratio Lower Upper
 84 100
 49 116.7 93.5 140.3
 51 35.6 28.6 43.0
 86 63.8 52.6 79.0

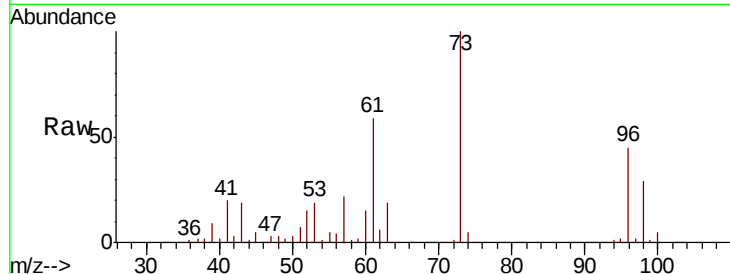




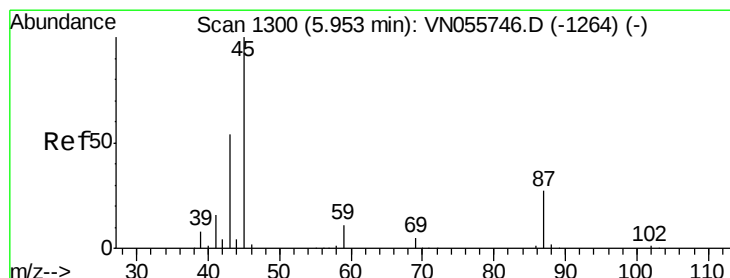
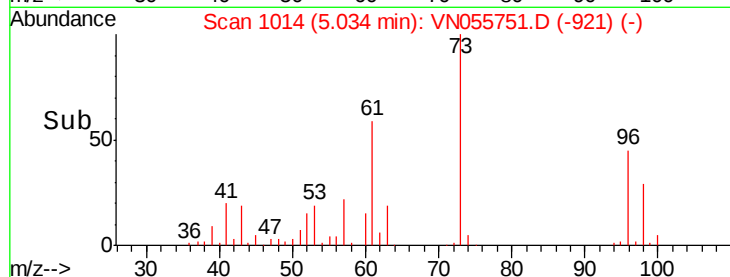
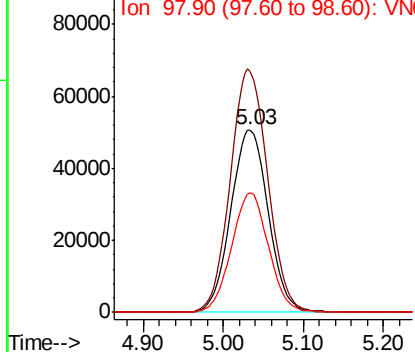
#21
trans-1,2-Dichloroethene
Concen: 46.530 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN055751.D
Acq: 23 May 2019 14:03

Instrument :
MSVOA_N
ClientSampled :
ICVVN052319

Tot Ion: 96 Resp: 161035
Ion Ratio Lower Upper
96 100
61 132.1 107.8 161.8
98 65.4 49.8 74.8

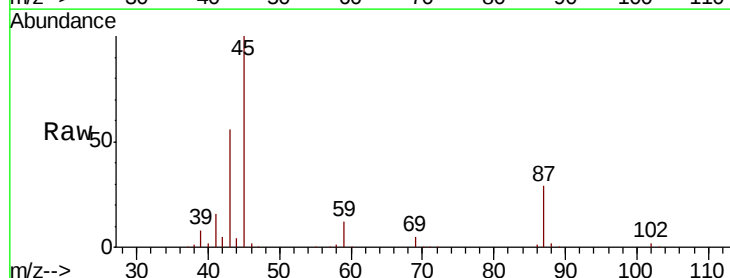


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

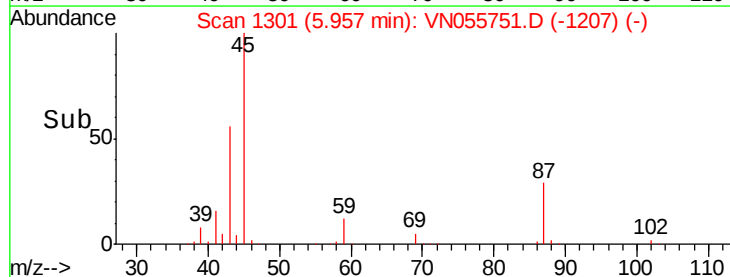
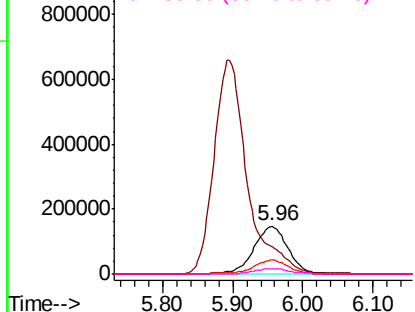


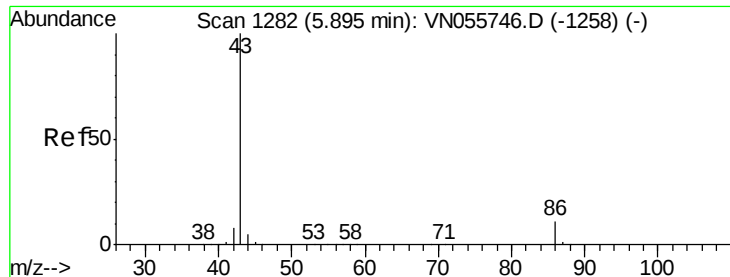
#22
Diisopropyl ether
Concen: 46.353 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN055751.D
Acq: 23 May 2019 14:03

Tgt Ion: 45 Resp: 497882
Ion Ratio Lower Upper
45 100
43 54.2 45.0 67.6
87 28.6 22.2 33.4
59 11.6 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

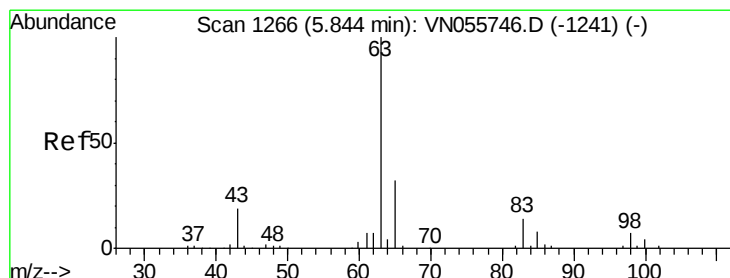
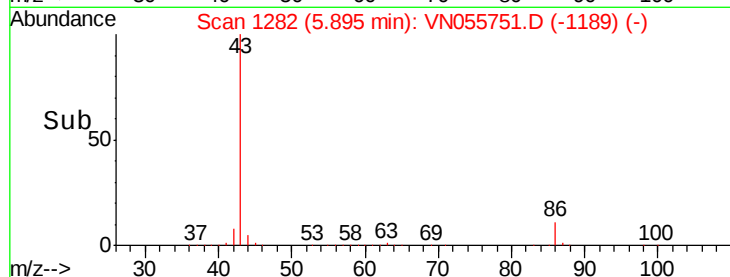
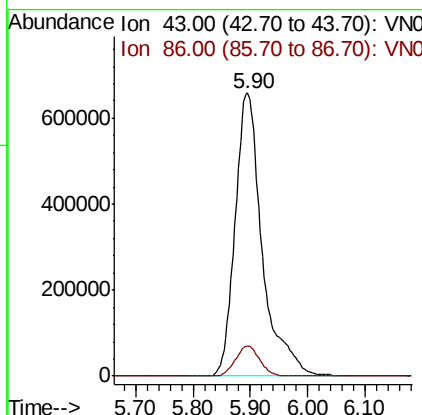
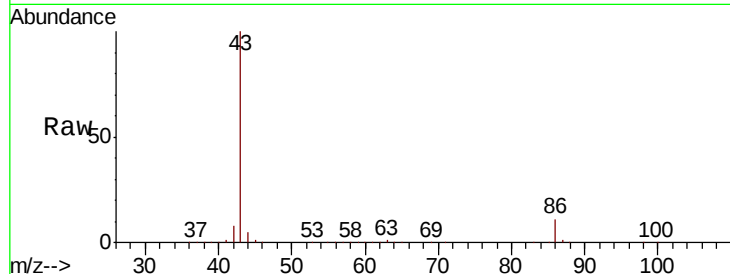




#23
 Vinyl Acetate
 Concen: 236.075 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN055751.D
 Acq: 23 May 2019 14:03

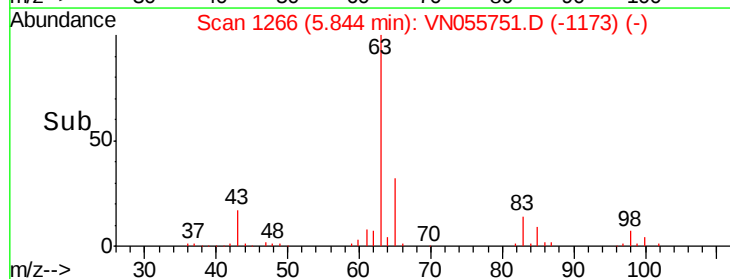
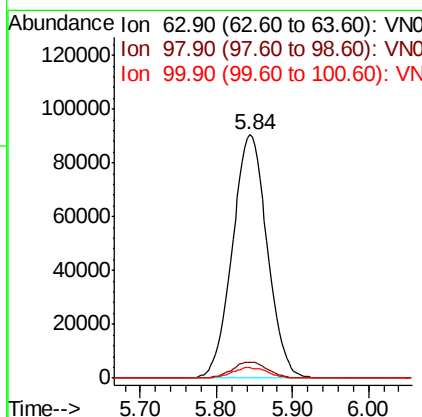
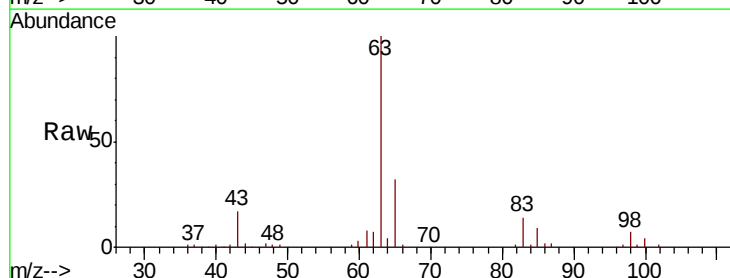
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN052319

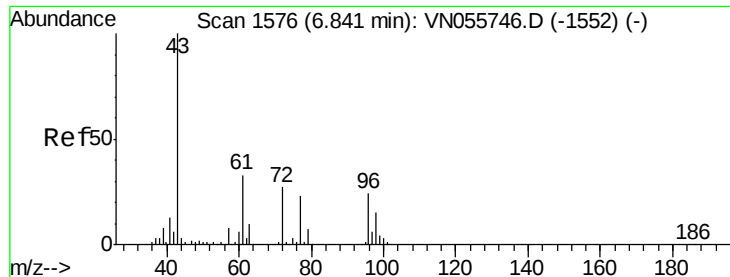
Tot Ion: 43 Resp: 2174063
 Ion Ratio Lower Upper
 43 100
 86 10.8 8.6 13.0



#24
 1,1-Dichloroethane
 Concen: 45.928 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VN055751.D
 Acq: 23 May 2019 14:03

Tgt Ion: 63 Resp: 287225
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.4 10.1
 100 4.2 2.2 6.6

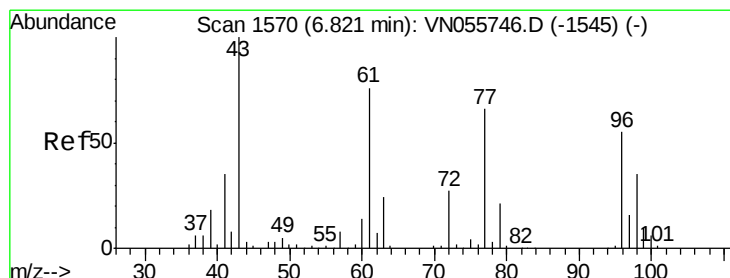
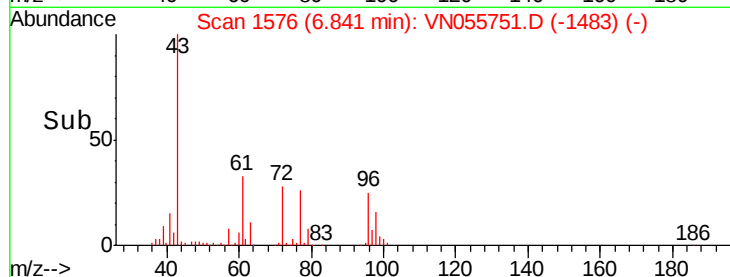
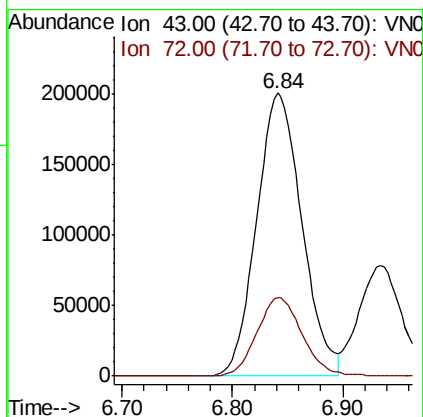
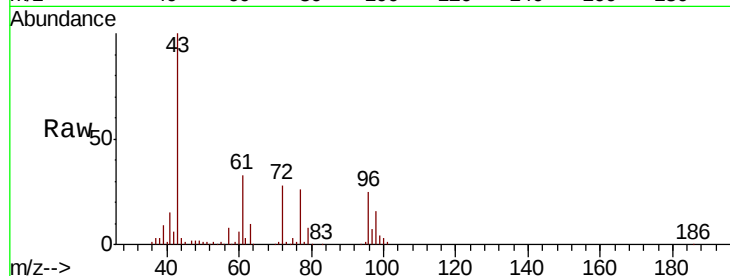




#25
2-Butanone
Concen: 237.151 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN055751.D
Acq: 23 May 2019 14:03

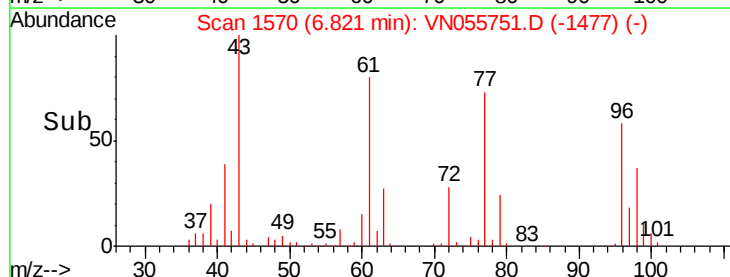
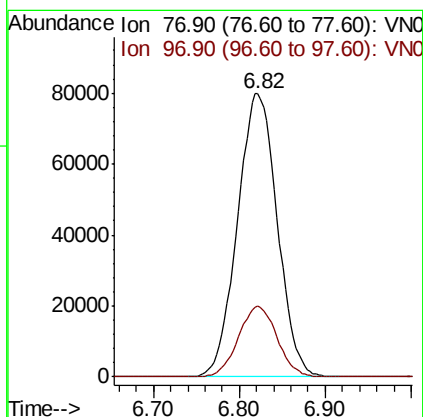
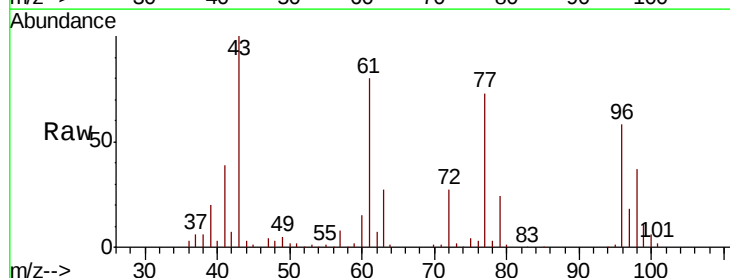
Instrument :
MSVOA_N
ClientSampleId :
ICVVN052319

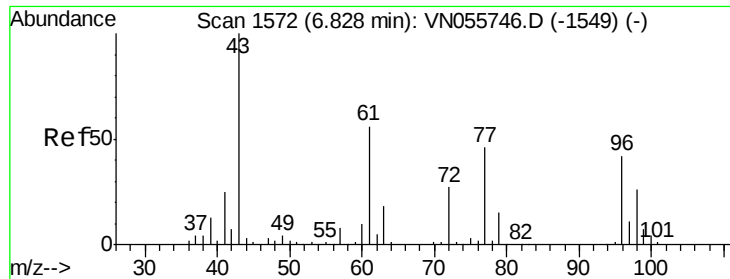
Tot Ion: 43 Resp: 569506
Ion Ratio Lower Upper
43 100
72 27.9 21.9 32.9



#26
2,2-Dichloropropane
Concen: 47.466 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VN055751.D
Acq: 23 May 2019 14:03

Tgt Ion: 77 Resp: 256901
Ion Ratio Lower Upper
77 100
97 24.2 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 46.780 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055751.D

Acq: 23 May 2019 14:03

Instrument :

MSVOA_N

ClientSampleId :

ICVVN052319

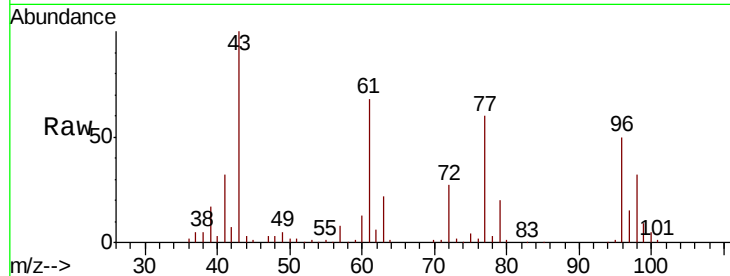
Tot Ion: 96 Resp: 188883

Ion Ratio Lower Upper

96 100

61 138.7 0.0 275.8

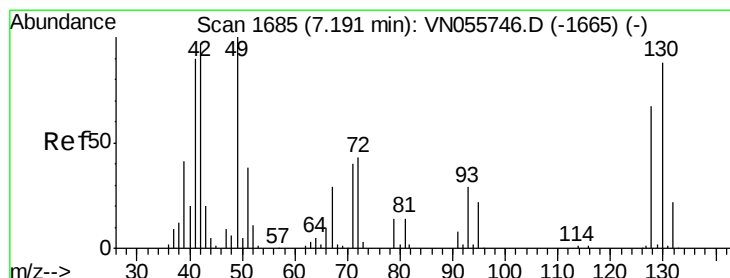
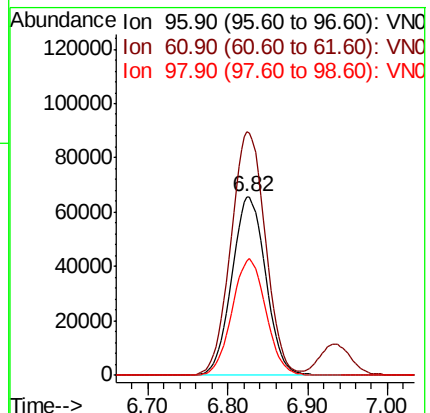
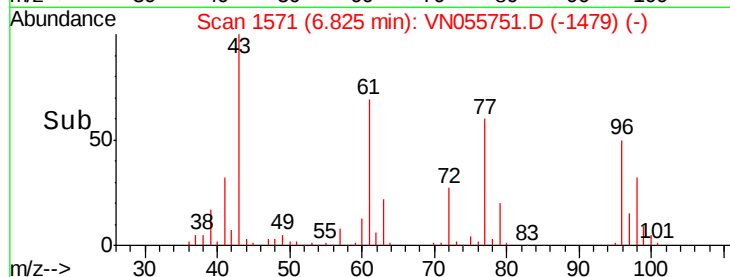
98 65.1 0.0 128.4



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: 47.960 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN055751.D

Acq: 23 May 2019 14:03

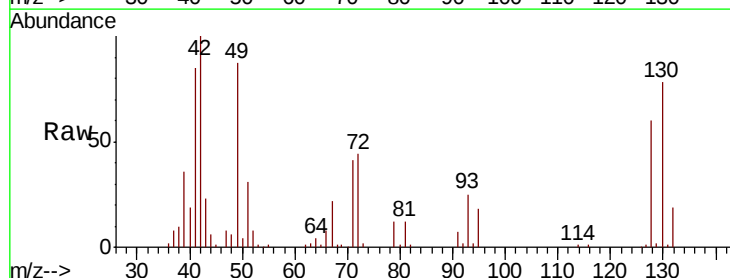
Tgt Ion: 49 Resp: 142802

Ion Ratio Lower Upper

49 100

129 2.3 0.0 4.4

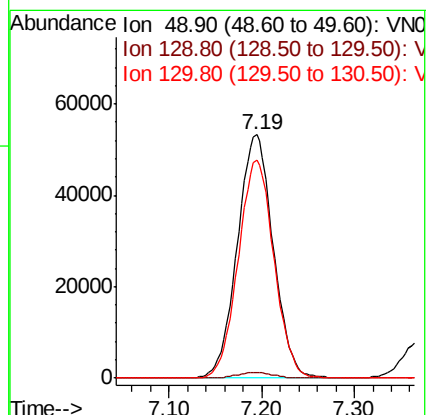
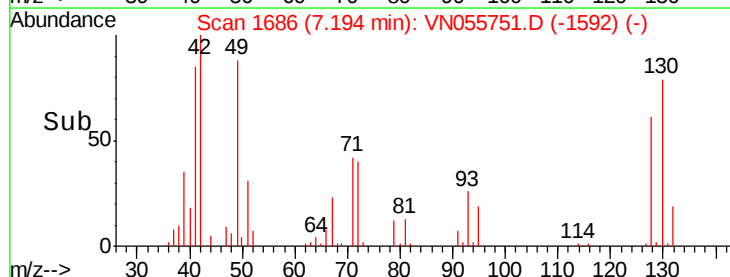
130 89.2 71.2 106.8

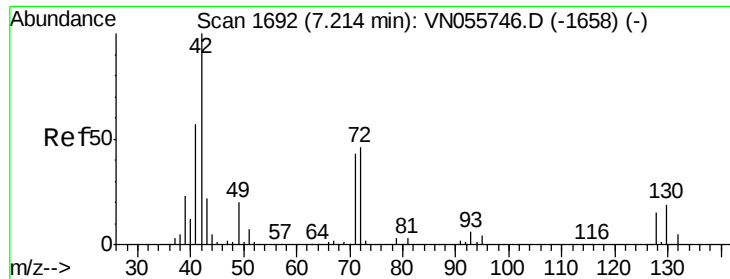


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

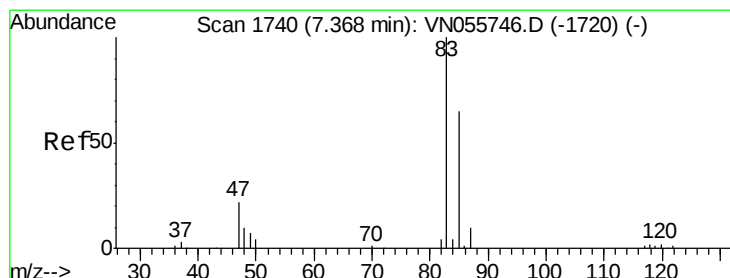
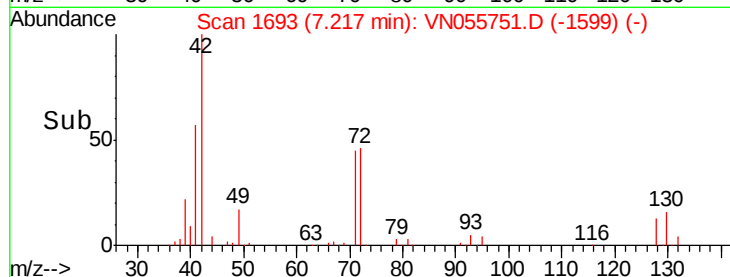
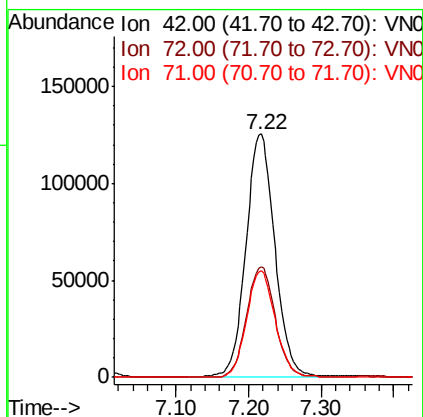
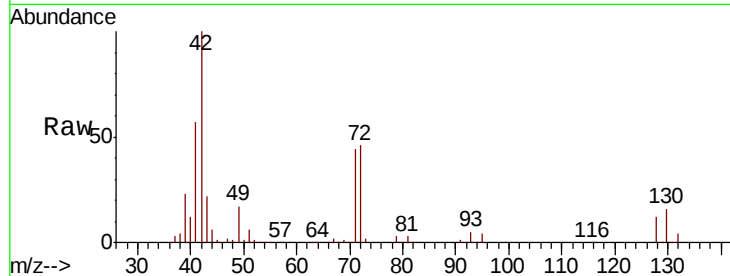




#29
Tetrahydrofuran
Concen: 229.916 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN055751.D
Acq: 23 May 2019 14:03

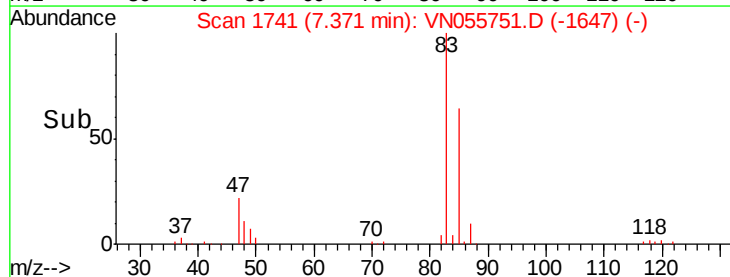
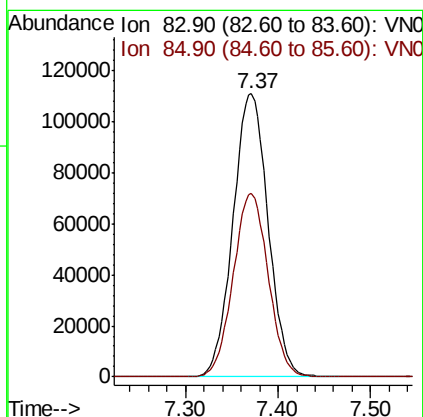
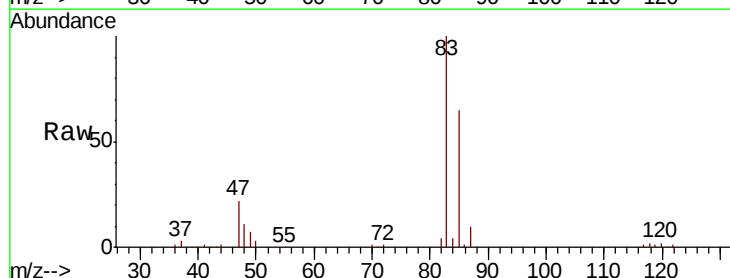
Instrument :
MSVOA_N
ClientSampleId :
ICVVN052319

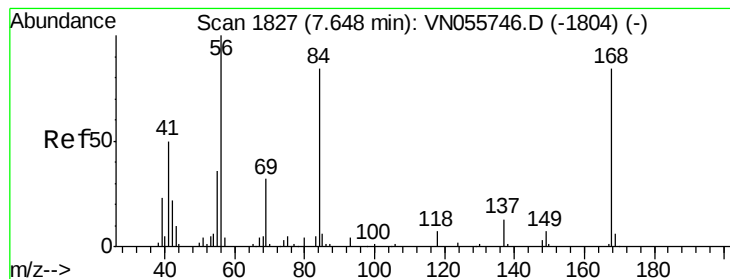
Tot Ion: 42 Resp: 349650
Ion Ratio Lower Upper
42 100
72 45.2 35.9 53.9
71 43.4 34.0 51.0



#30
Chloroform
Concen: 46.723 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055751.D
Acq: 23 May 2019 14:03

Tgt Ion: 83 Resp: 291399
Ion Ratio Lower Upper
83 100
85 64.7 51.8 77.8





#31

Cyclohexane

Concen: 46.187 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN055751.D

Acq: 23 May 2019 14:03

Instrument :

MSVOA_N

ClientSampleId :

ICVVN052319

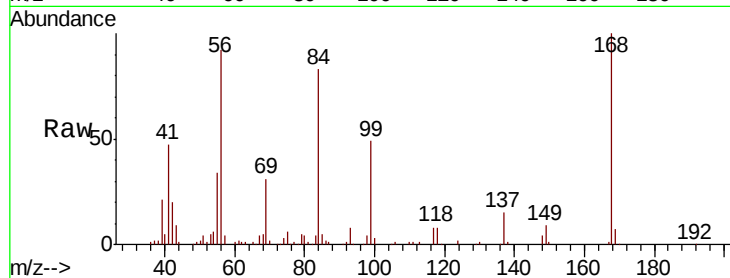
Tot Ion: 56 Resp: 271181

Ion Ratio Lower Upper

56 100

69 33.8 25.6 38.4

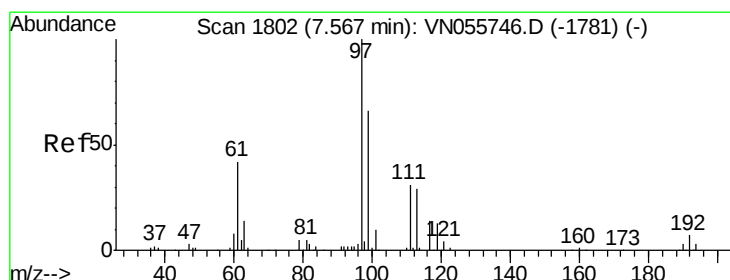
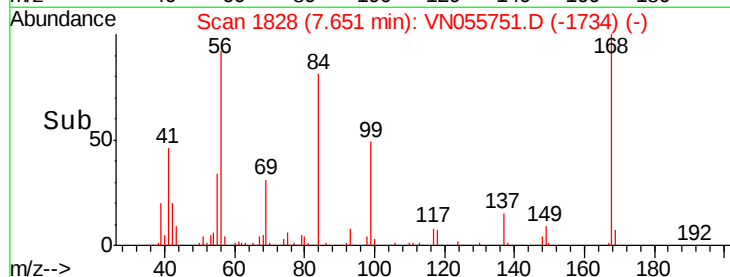
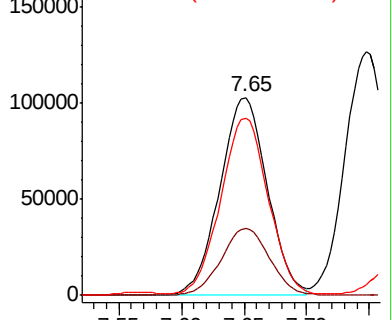
84 88.6 67.4 101.0



Abundance Ion 56.00 (55.70 to 56.70): VN055746.D (-1804) (-)

Ion 69.00 (68.70 to 69.70): VN055746.D (-1804) (-)

Ion 84.00 (83.70 to 84.70): VN055746.D (-1804) (-)



#32

1,1,1-Trichloroethane

Concen: 46.866 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN055751.D

Acq: 23 May 2019 14:03

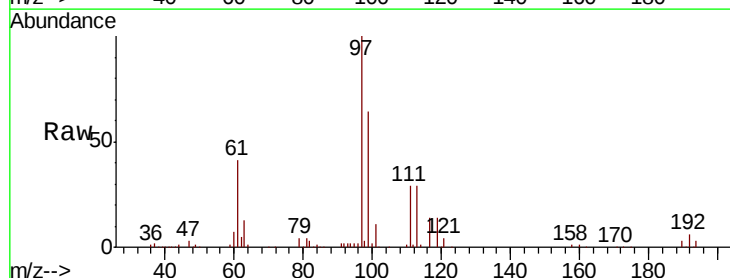
Tgt Ion: 97 Resp: 260832

Ion Ratio Lower Upper

97 100

99 64.4 52.0 78.0

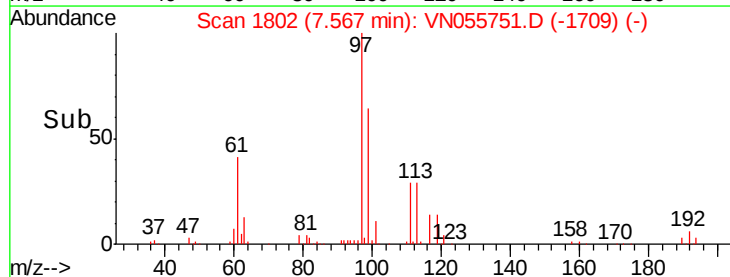
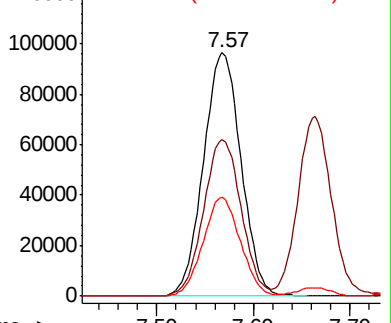
61 40.3 32.9 49.3

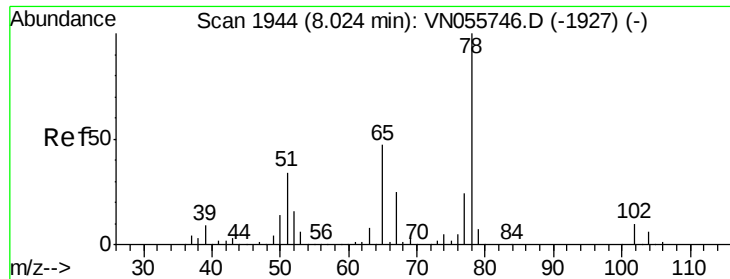


Abundance Ion 96.90 (96.60 to 97.60): VN055746.D (-1781) (-)

Ion 98.90 (98.60 to 99.60): VN055746.D (-1781) (-)

Ion 60.90 (60.60 to 61.60): VN055746.D (-1781) (-)

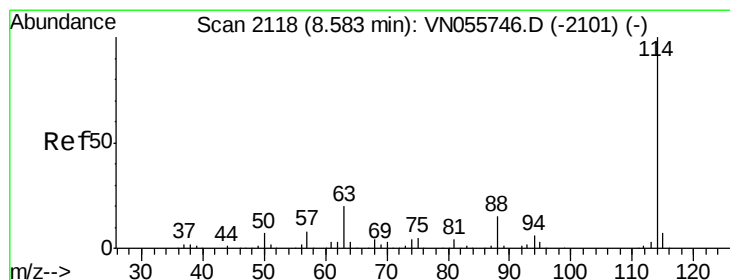
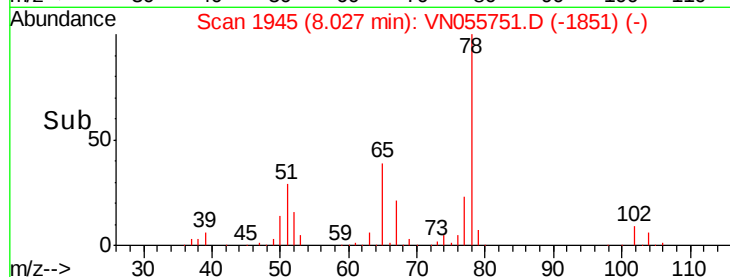
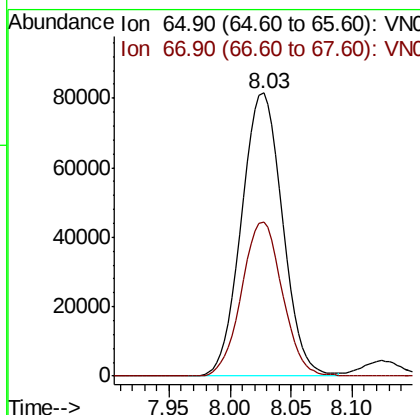
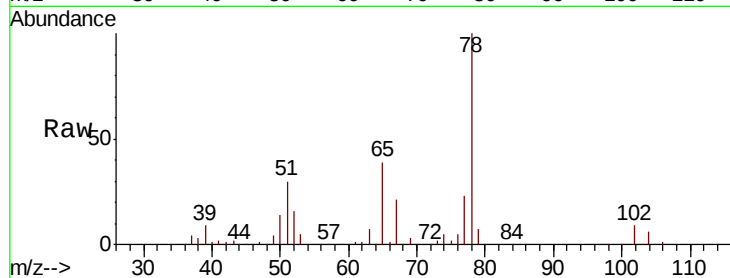




#33
 1,2-Dichloroethane-d4
 Concen: 48.508 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055751.D
 Acq: 23 May 2019 14:03

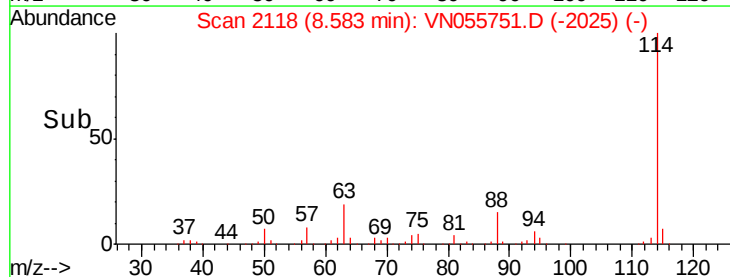
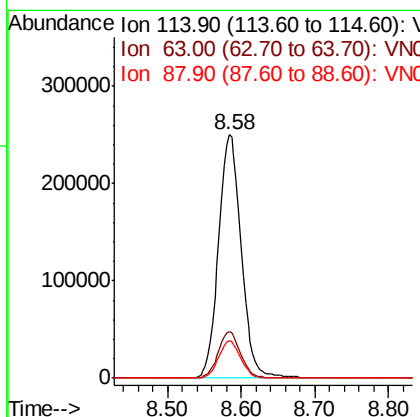
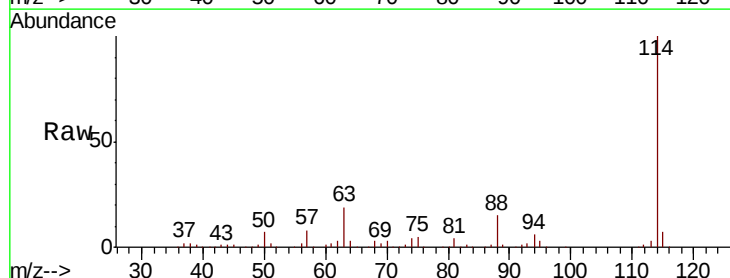
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN052319

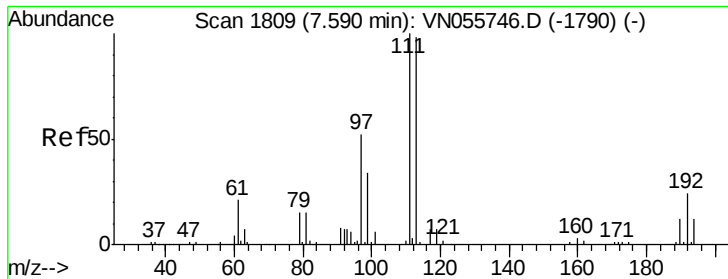
Tot Ion: 65 Resp: 189750
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055751.D
 Acq: 23 May 2019 14:03

Tgt Ion: 114 Resp: 535656
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 39.2
 88 15.3 0.0 31.0

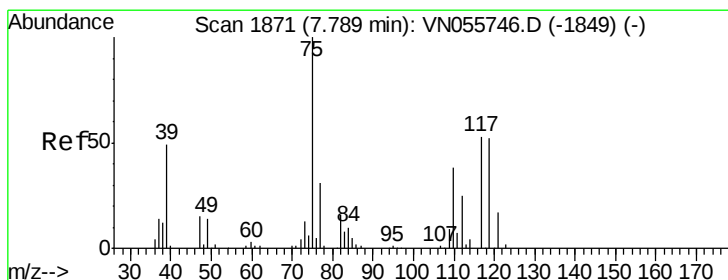
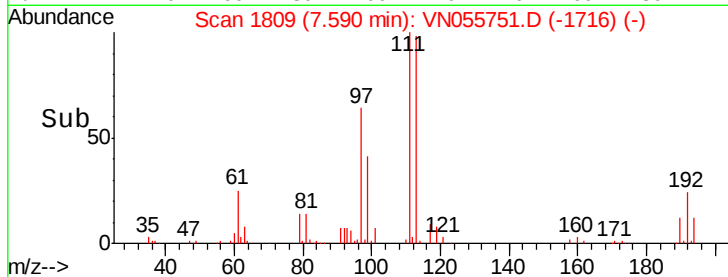
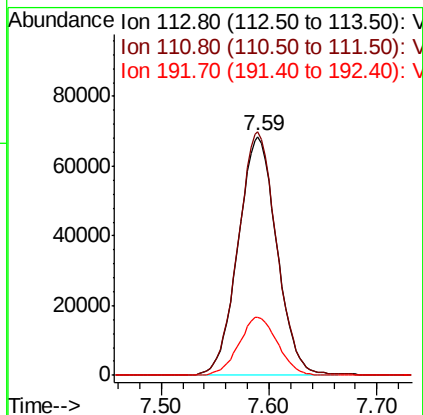
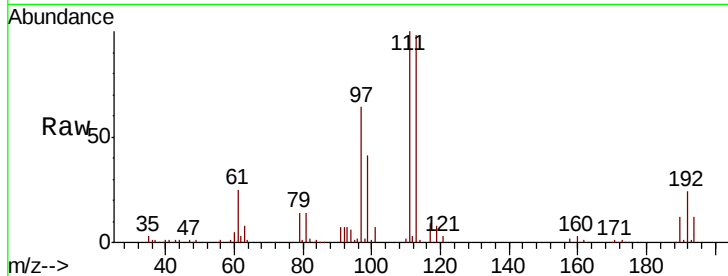




#35
 Dibromofluoromethane
 Concen: 50.201 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055751.D
 Acq: 23 May 2019 14:03

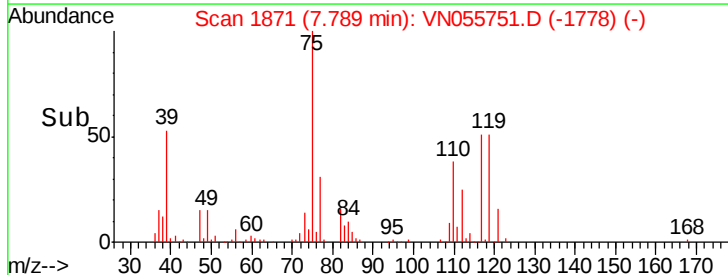
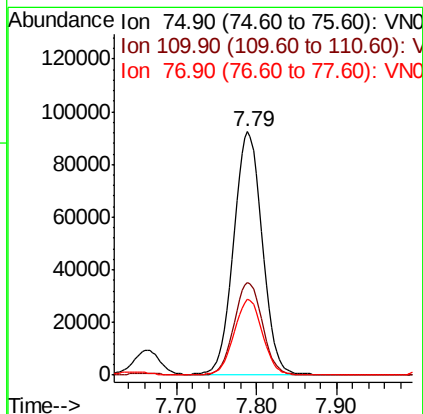
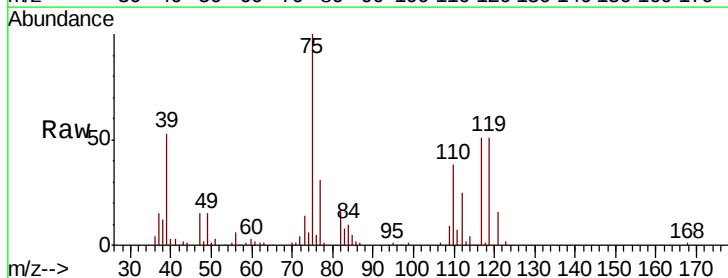
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN052319

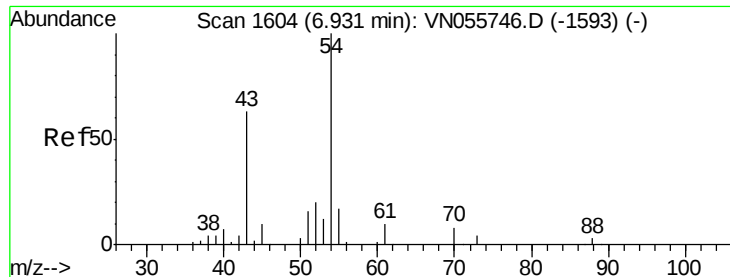
Tot Ion:113 Resp: 170012
 Ion Ratio Lower Upper
 113 100
 111 101.2 81.9 122.9
 192 24.3 19.5 29.3



#36
 1,1-Dichloropropene
 Concen: 47.671 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055751.D
 Acq: 23 May 2019 14:03

Tgt Ion: 75 Resp: 222527
 Ion Ratio Lower Upper
 75 100
 110 37.7 19.0 57.0
 77 31.2 25.1 37.7

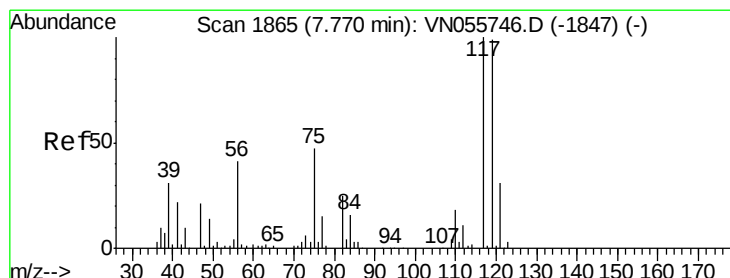
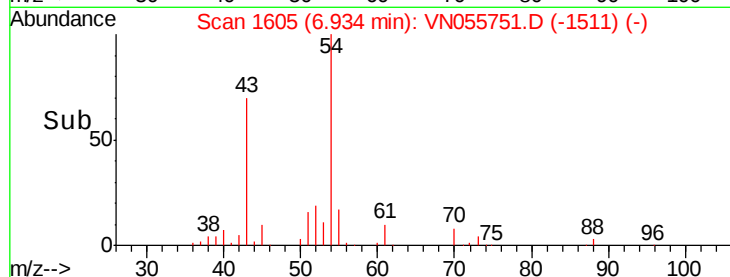
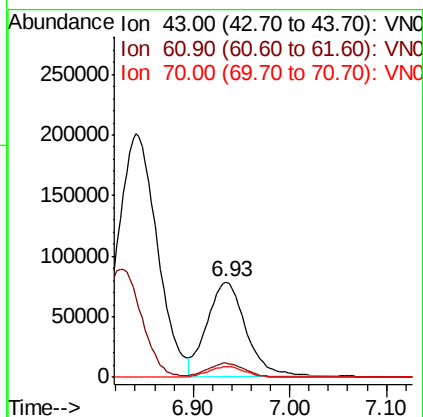
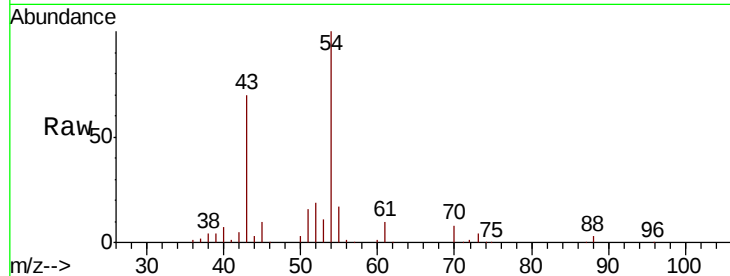




#37
Ethyl Acetate
Concen: 48.283 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055751.D
Acq: 23 May 2019 14:03

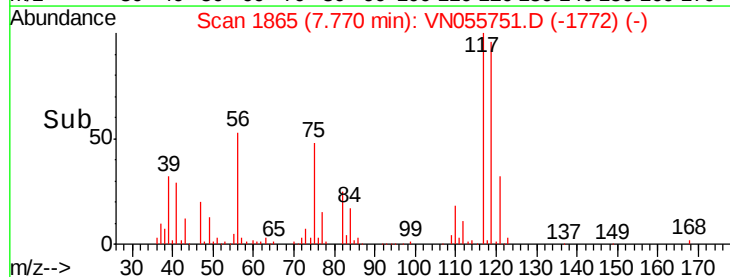
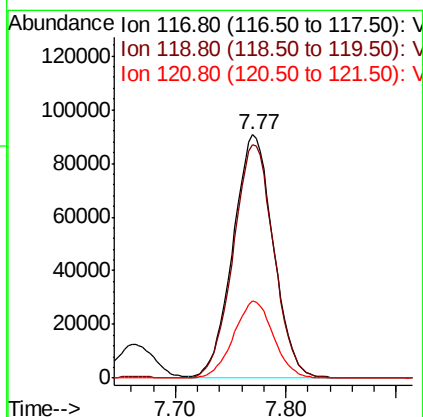
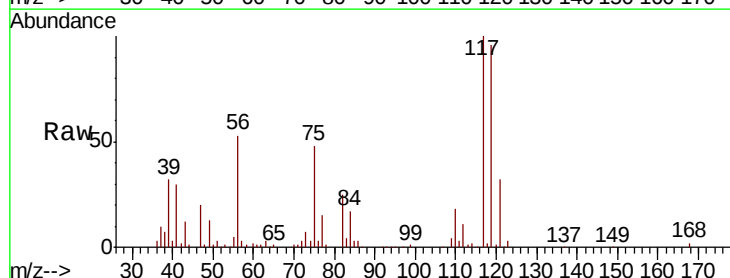
Instrument :
MSVOA_N
ClientSampleId :
ICVVN052319

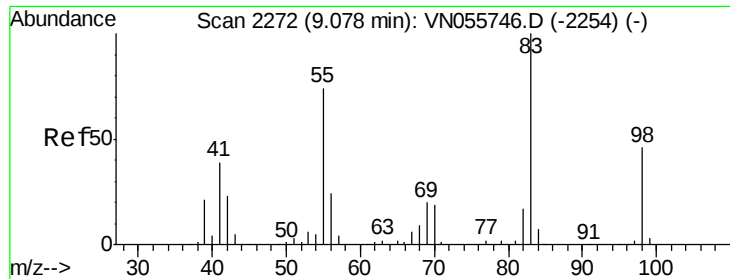
Tot Ion: 43 Resp: 217835
Ion Ratio Lower Upper
43 100
61 14.6 12.2 18.2
70 11.2 8.9 13.3



#38
Carbon Tetrachloride
Concen: 46.992 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055751.D
Acq: 23 May 2019 14:03

Tgt Ion: 117 Resp: 228494
Ion Ratio Lower Upper
117 100
119 95.6 79.0 118.6
121 31.6 24.7 37.1

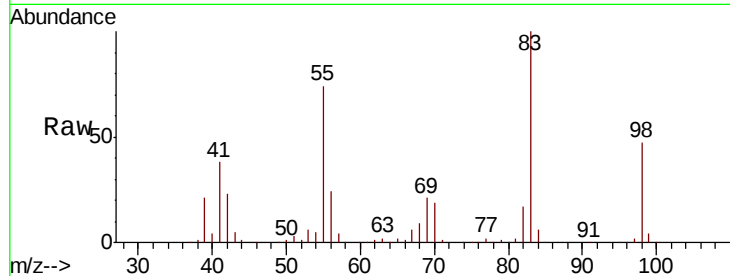




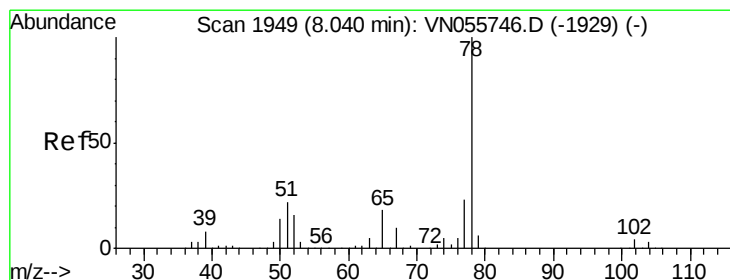
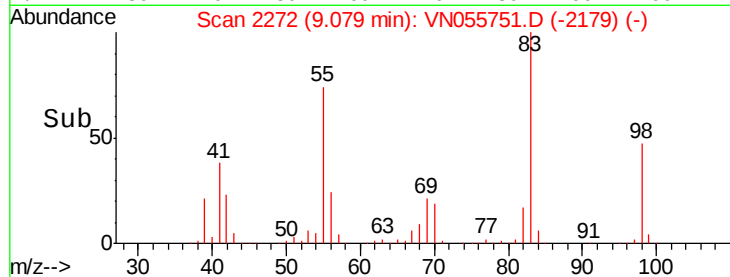
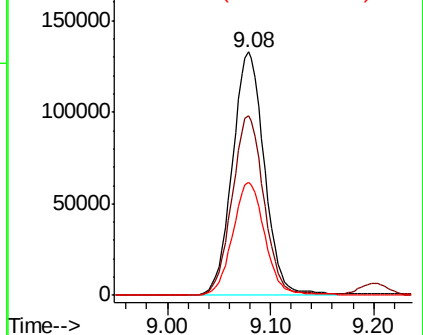
#39
Methvlcvclohexane
Concen: 49.736 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055751.D
Acq: 23 May 2019 14:03

Instrument :
MSVOA_N
ClientSampleId :
ICVVN052319

Tot Ion: 83 Resp: 287502
Ion Ratio Lower Upper
83 100
55 73.9 59.3 88.9
98 46.6 36.6 54.8

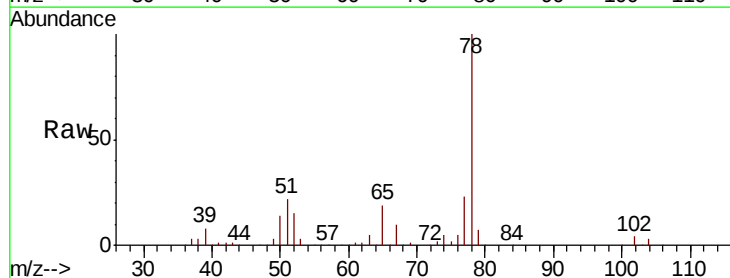


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

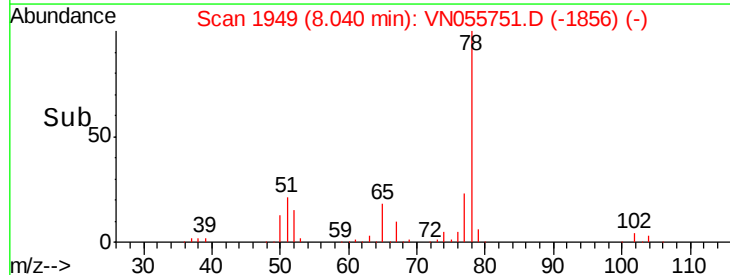
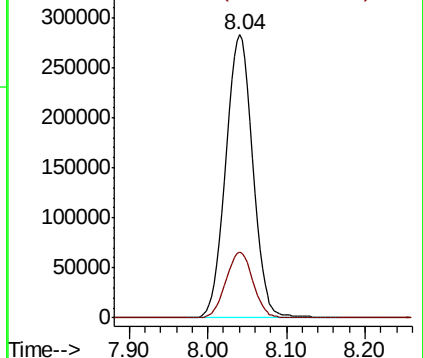


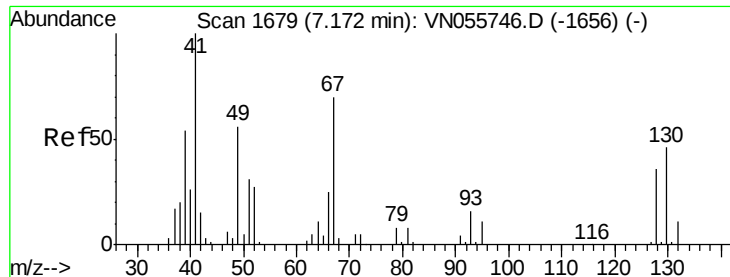
#40
Benzene
Concen: 47.788 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055751.D
Acq: 23 May 2019 14:03

Tgt Ion: 78 Resp: 672305
Ion Ratio Lower Upper
78 100
77 23.4 18.8 28.2



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

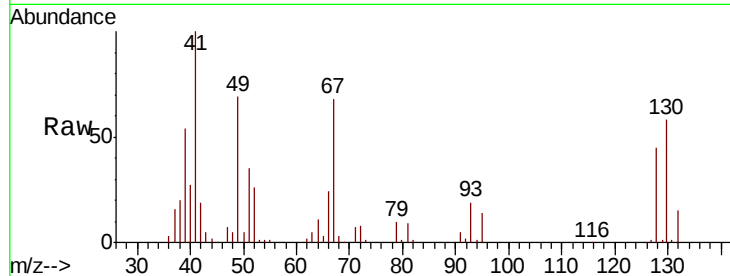




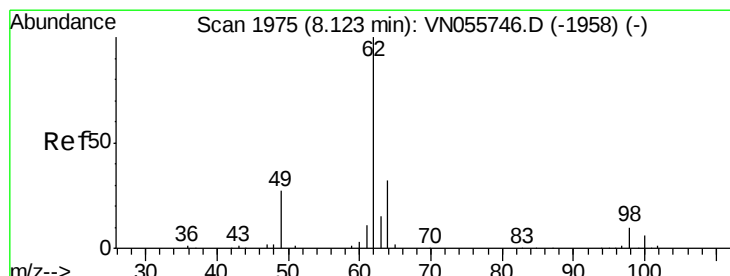
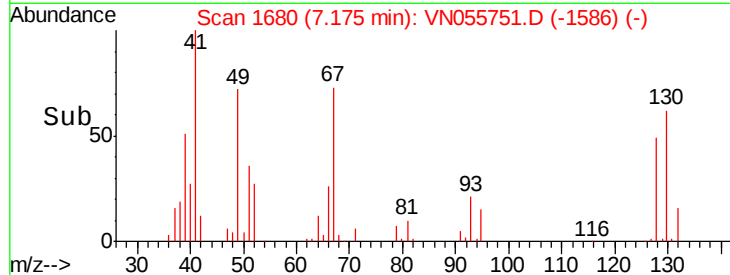
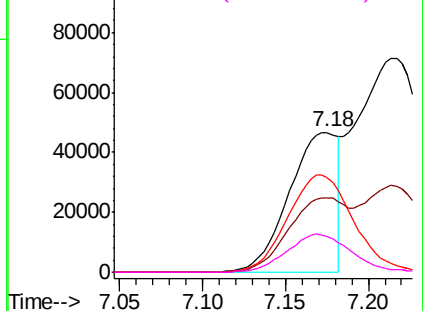
#41
Methacrylonitrile
Concen: 41.837 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055751.D
Acq: 23 May 2019 14:03

Instrument :
MSVOA_N
ClientSampled :
ICVVN052319

Tot Ion:	41	Resp:	95359
Ion	Ratio	Lower	Upper
41	100		
39	66.9	45.6	68.4
67	94.6	67.7	101.5
52	36.6	26.6	40.0

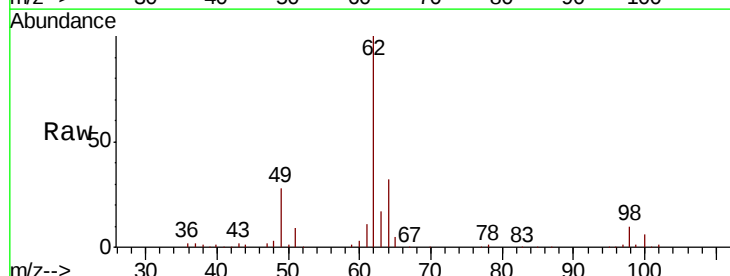


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

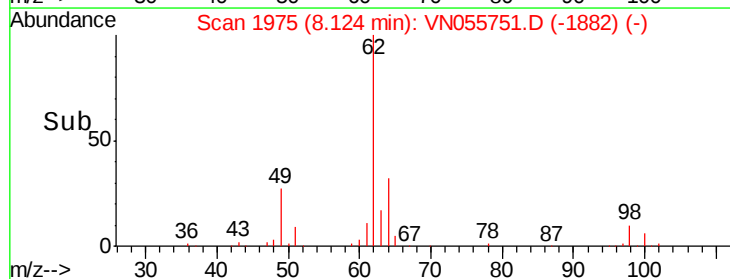
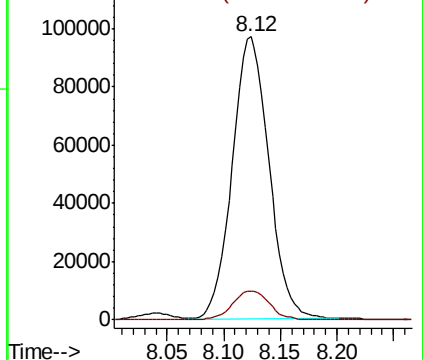


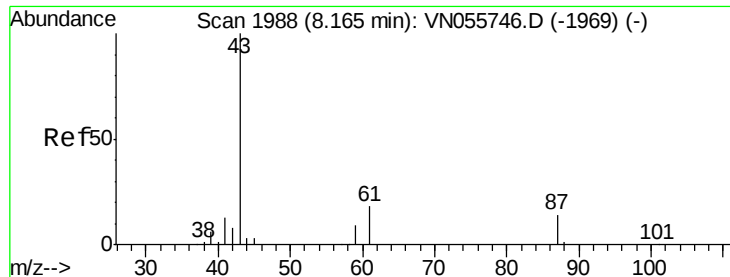
#42
1,2-Dichloroethane
Concen: 47.629 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055751.D
Acq: 23 May 2019 14:03

Tgt Ion:	62	Resp:	218955
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.2



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





#43

Isopropyl Acetate

Concen: 47.071 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055751.D

Acq: 23 May 2019 14:03

Instrument :

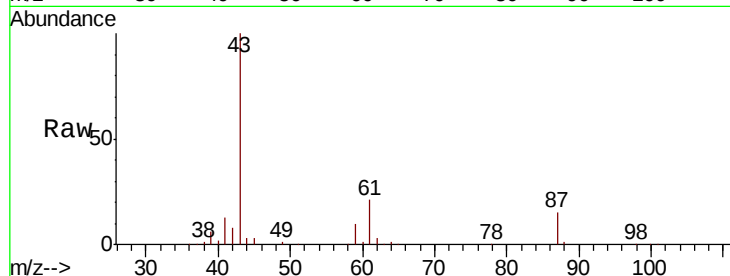
MSVOA_N

ClientSampleId :

ICVVN052319

Tot Ion: 43 Resp: 356815

Ion	Ratio	Lower	Upper
43	100		
61	21.6	22.2	33.4#
87	14.6	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) (-)

8.17

200000

150000

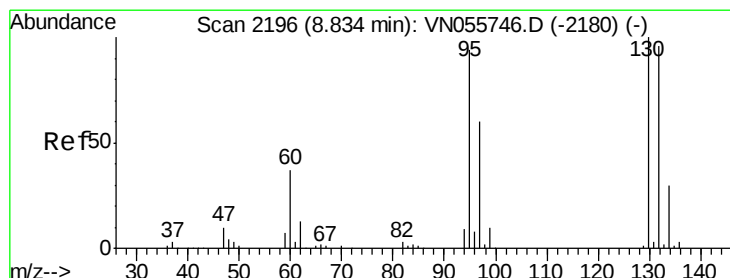
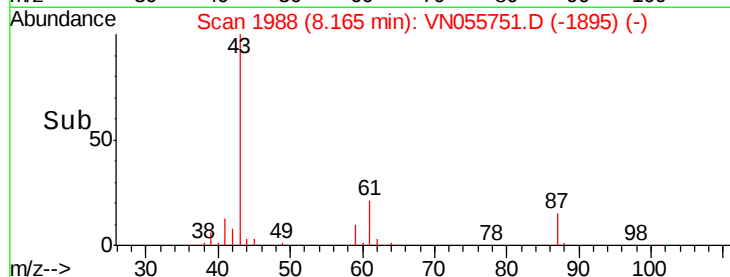
100000

50000

0

8.10 8.15 8.20 8.25

Time-->



#44

Trichloroethene

Concen: 49.637 ug/l

RT: 8.83 min Scan# 2196

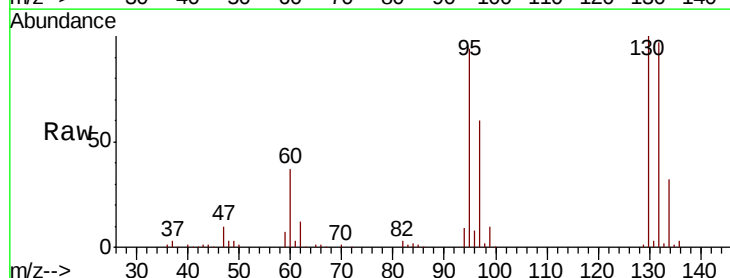
Delta R.T. 0.00 min

Lab File: VN055751.D

Acq: 23 May 2019 14:03

Tgt Ion: 130 Resp: 194679

Ion	Ratio	Lower	Upper
130	100		
95	93.8	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) (-)

8.83

100000

80000

60000

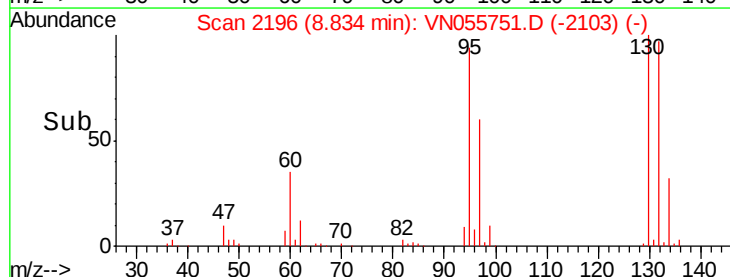
40000

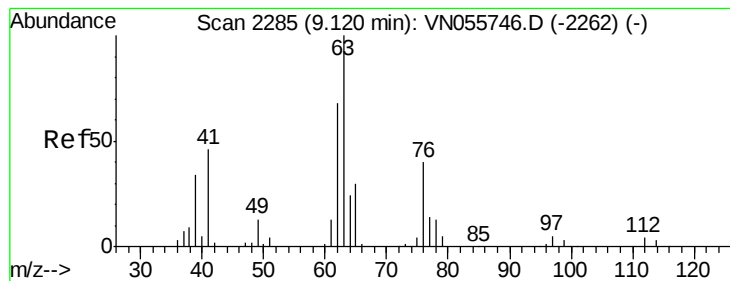
20000

0

8.70 8.80 8.90 9.00

Time-->





#45

1,2-Dichloropropane

Concen: 47.889 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN055751.D

Acq: 23 May 2019 14:03

Instrument :

MSVOA_N

ClientSampleId :

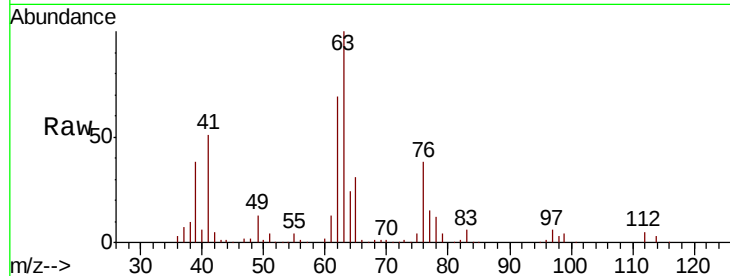
ICVVN052319

Tot Ion: 63 Resp: 175536

Ion Ratio Lower Upper

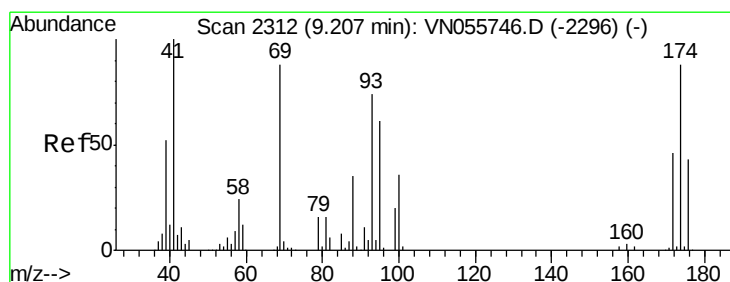
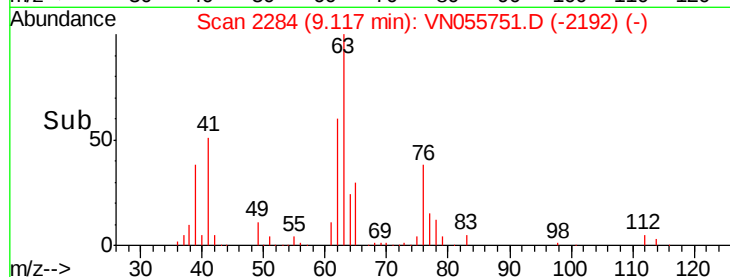
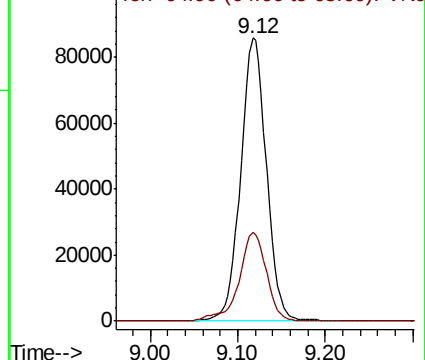
63 100

65 31.2 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VN055746.D (-2262) (-)

Ion 64.90 (64.60 to 65.60): VN055746.D (-2262) (-)



#46

Dibromomethane

Concen: 48.517 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055751.D

Acq: 23 May 2019 14:03

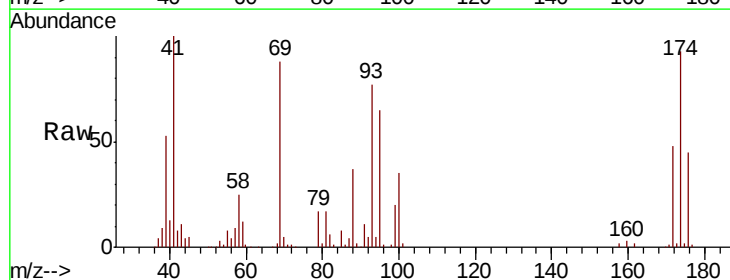
Tgt Ion: 93 Resp: 116627

Ion Ratio Lower Upper

93 100

95 85.3 66.7 100.1

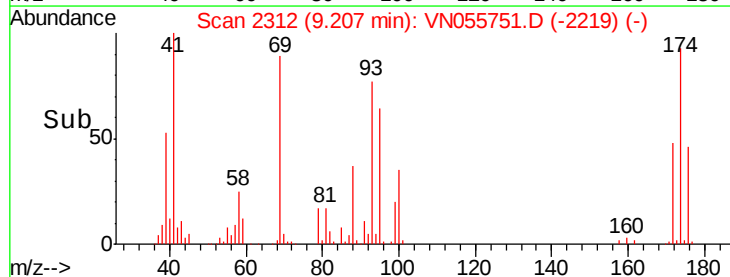
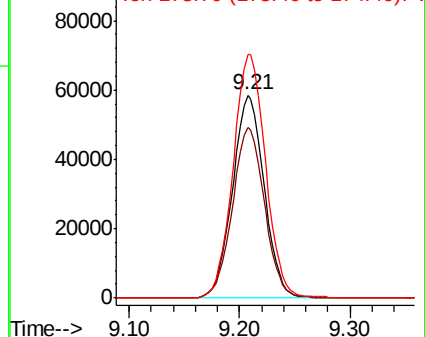
174 123.1 96.4 144.6



Abundance Ion 92.80 (92.50 to 93.50): VN055746.D (-2296) (-)

Ion 94.80 (94.50 to 95.50): VN055746.D (-2296) (-)

Ion 173.70 (173.40 to 174.40): VN055746.D (-2296) (-)





#47

Bromodichloromethane

Concen: 47.906 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055751.D

Acq: 23 May 2019 14:03

Instrument :

MSVOA_N

ClientSampleId :

ICVVN052319

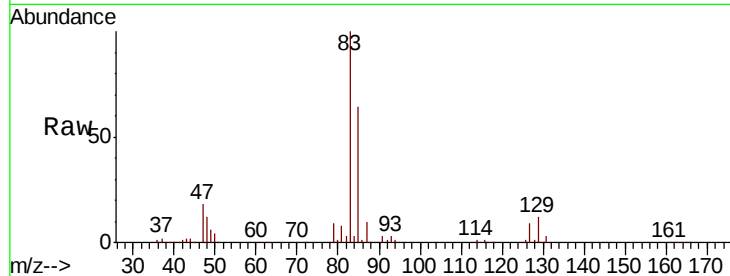
Tot Ion: 83 Resp: 236134

Ion Ratio Lower Upper

83 100

85 64.4 52.2 78.2

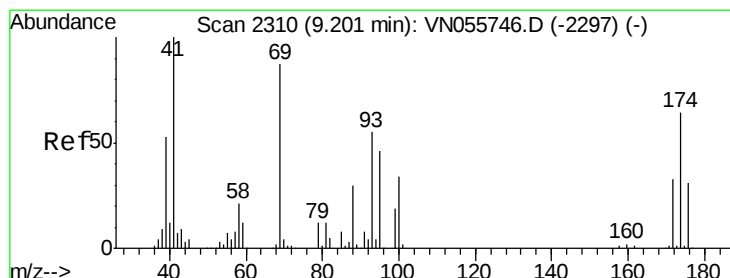
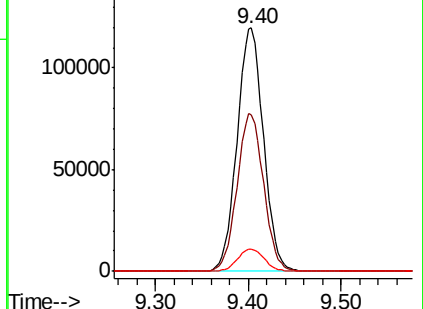
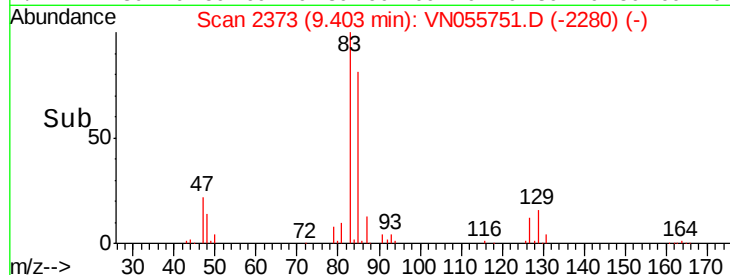
127 9.2 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN055751.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055751.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055751.D (-2280) (-)



#48

Methyl methacrylate

Concen: 49.878 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055751.D

Acq: 23 May 2019 14:03

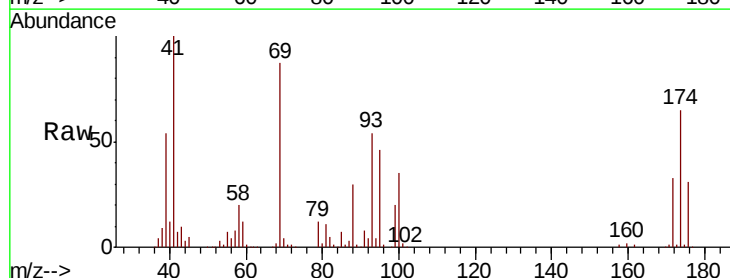
Tgt Ion: 41 Resp: 174254

Ion Ratio Lower Upper

41 100

69 87.9 71.0 106.6

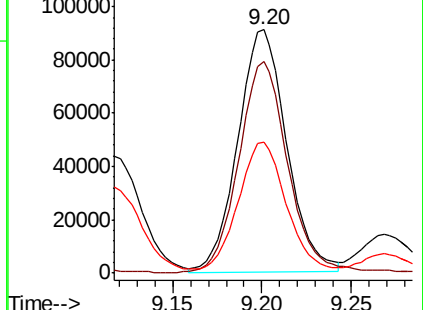
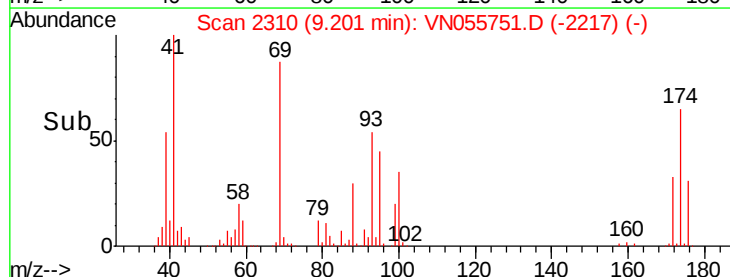
39 53.6 44.2 66.2

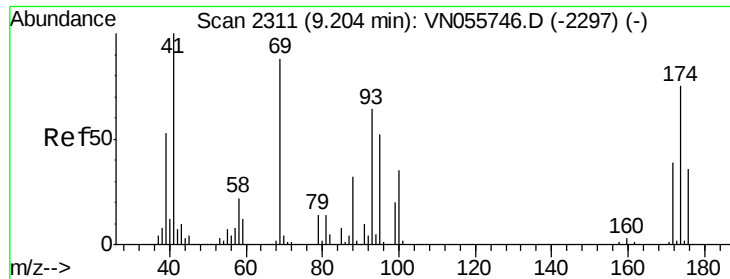


Abundance Ion 41.00 (40.70 to 41.70): VN055751.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN055751.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN055751.D (-2217) (-)

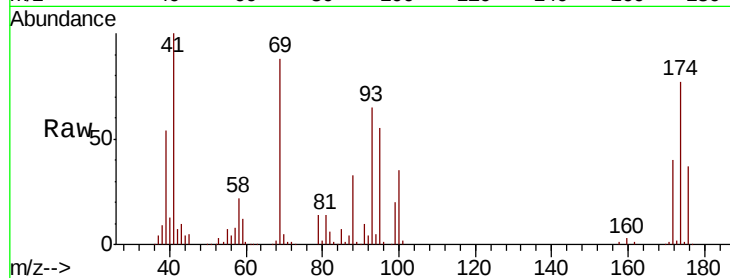




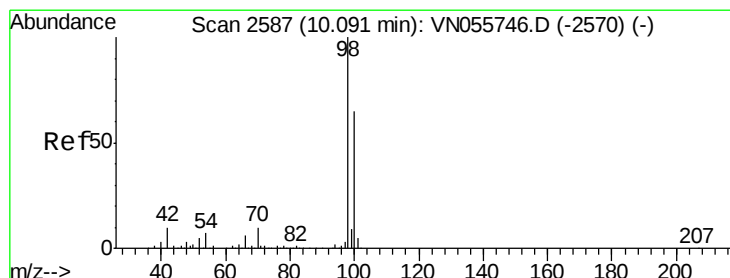
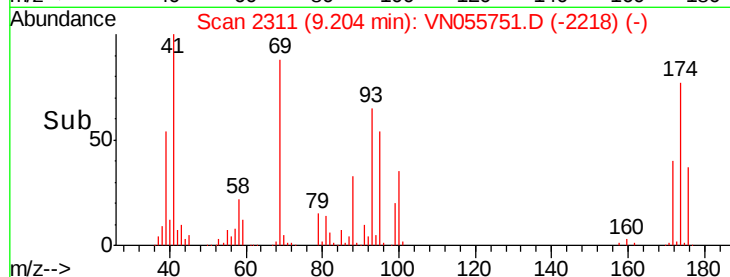
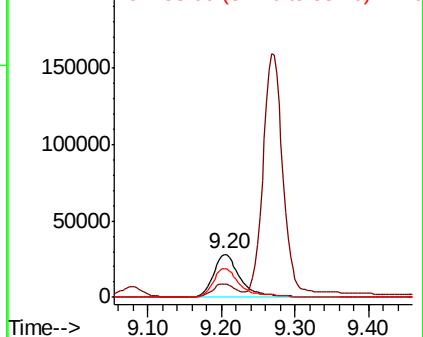
#49
1,4-Dioxane
Concen: 992.082 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN055751.D
Acq: 23 May 2019 14:03

Instrument :
MSVOA_N
ClientSampleId :
ICVVN052319

Tot Ion: 88 Resp: 72025
Ion Ratio Lower Upper
88 100
43 25.3 20.5 30.7
58 68.5 55.8 83.6

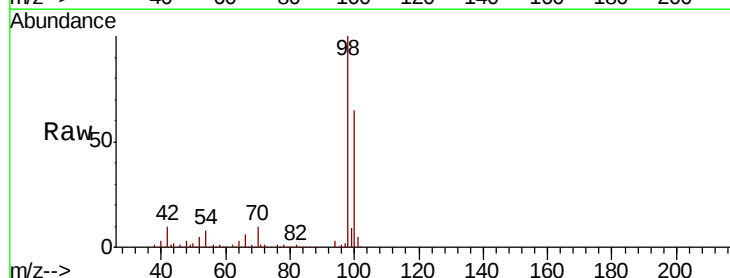


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

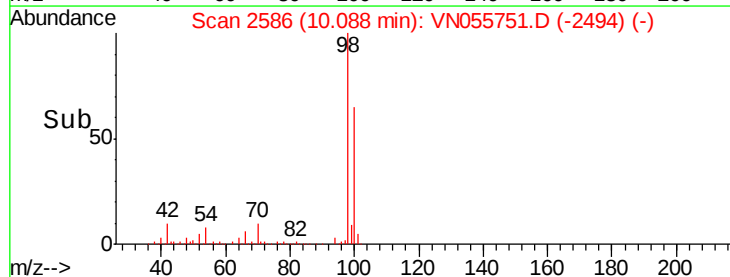
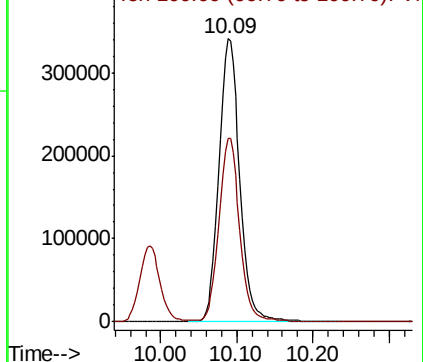


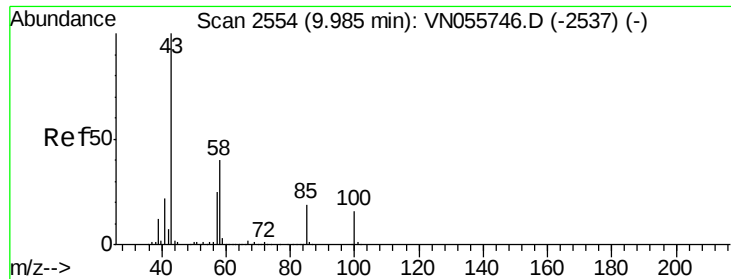
#50
Toluene-d8
Concen: 49.799 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN055751.D
Acq: 23 May 2019 14:03

Tgt Ion: 98 Resp: 646926
Ion Ratio Lower Upper
98 100
100 64.8 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

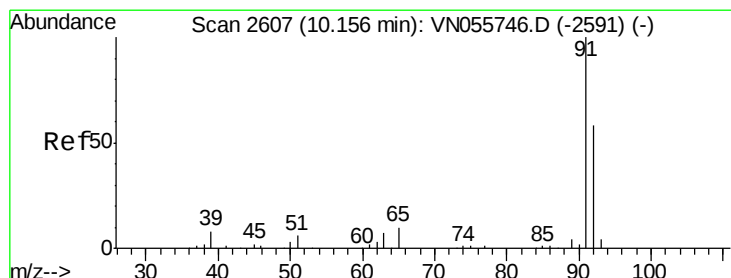
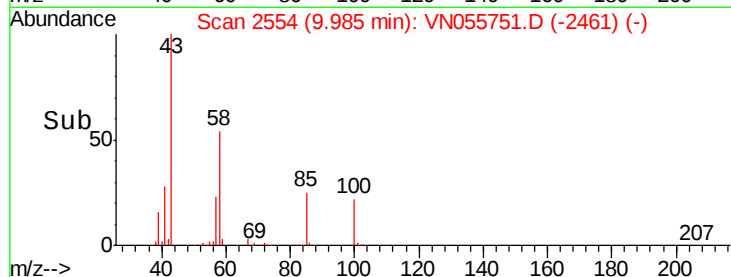
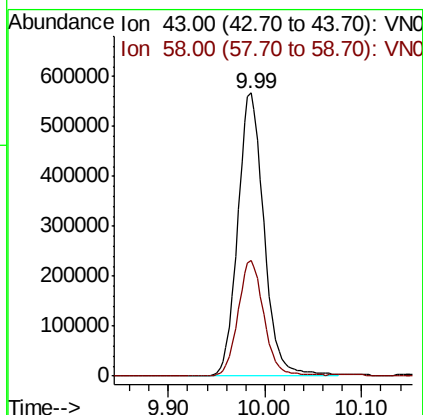
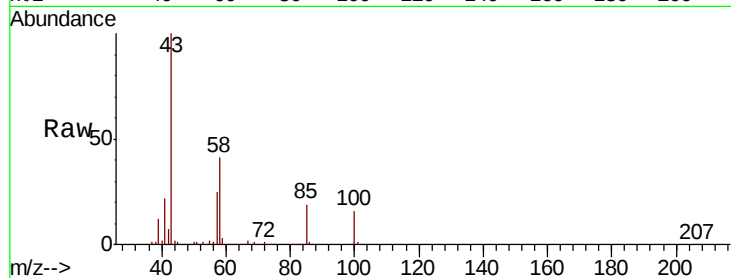




#51
 4-Methyl-2-Pentanone
 Concen: 238.444 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN055751.D
 Acq: 23 May 2019 14:03

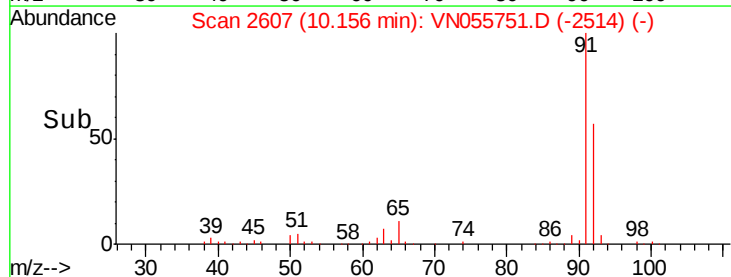
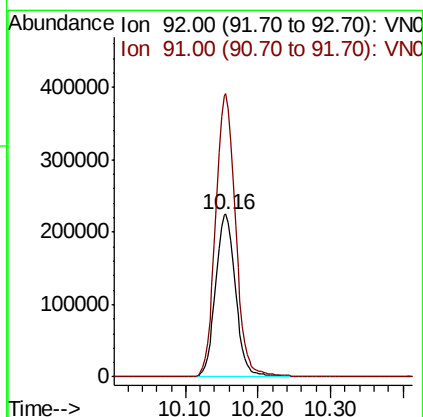
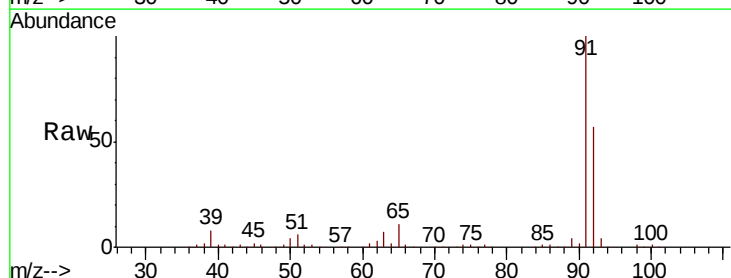
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN052319

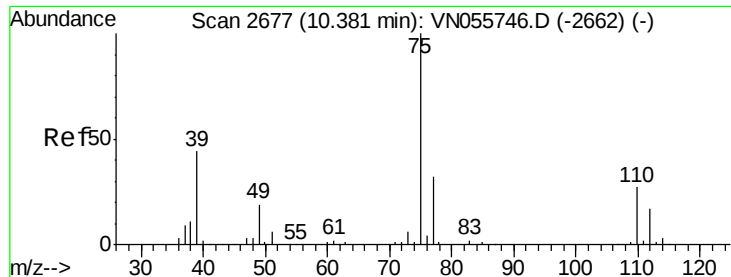
Tot Ion: 43 Resp: 1067504
 Ion Ratio Lower Upper
 43 100
 58 40.5 32.1 48.1



#52
 Toluene
 Concen: 48.629 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN055751.D
 Acq: 23 May 2019 14:03

Tgt Ion: 92 Resp: 430270
 Ion Ratio Lower Upper
 92 100
 91 174.1 139.4 209.2





#53

t-1,3-Dichloropropene

Concen: 49.713 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055751.D

Acq: 23 May 2019 14:03

Instrument :

MSVOA_N

ClientSampleId :

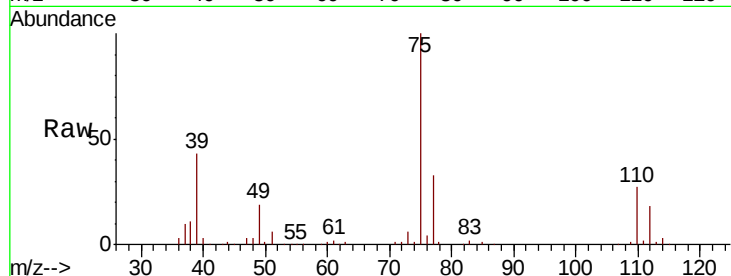
ICVVN052319

Tot Ion: 75 Resp: 261566

Ion Ratio Lower Upper

75 100

77 32.7 25.8 38.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

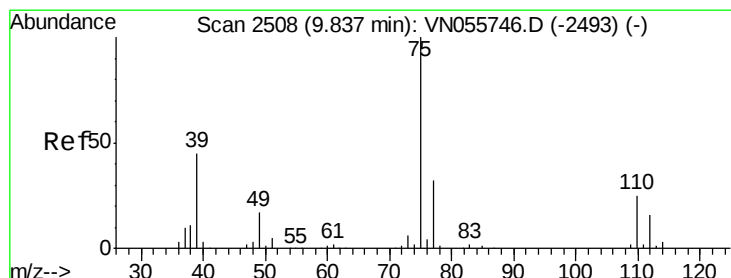
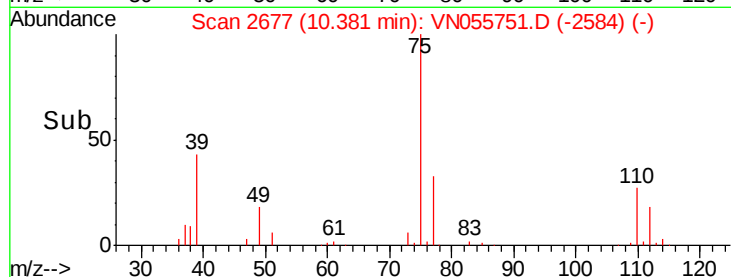
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 49.223 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN055751.D

Acq: 23 May 2019 14:03

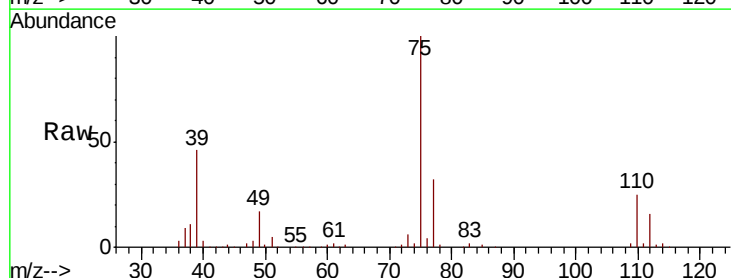
Tgt Ion: 75 Resp: 286905

Ion Ratio Lower Upper

75 100

77 32.3 25.4 38.0

39 45.6 36.3 54.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

200000

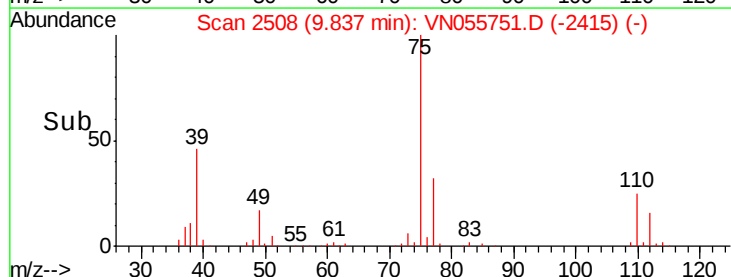
150000

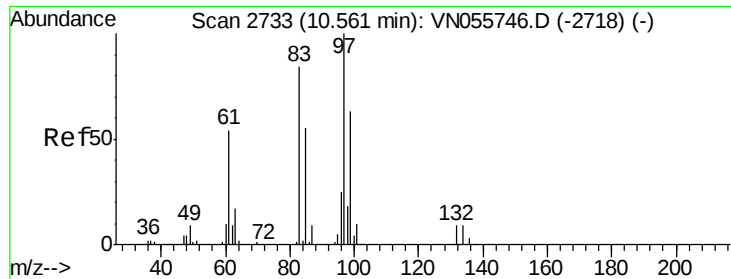
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 48.002 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN055751.D

Acq: 23 May 2019 14:03

Instrument :

MSVOA_N

ClientSampled :

ICV052319

Tot Ion: 97 Resp: 170150

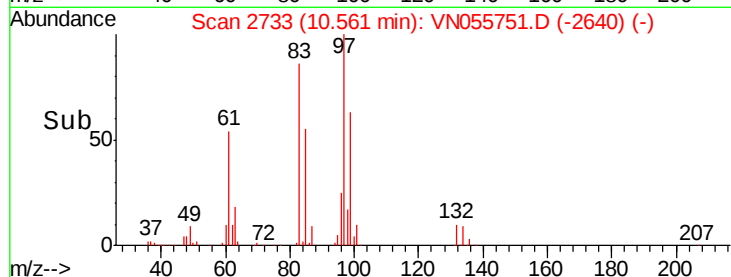
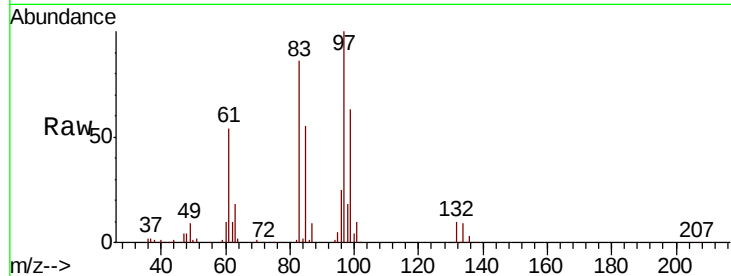
Ion	Ratio	Lower	Upper
97	100		
83	86.2	67.0	100.6
85	55.4	44.0	66.0
99	63.0	50.6	75.8

97 100

83 86.2 67.0 100.6

85 55.4 44.0 66.0

99 63.0 50.6 75.8

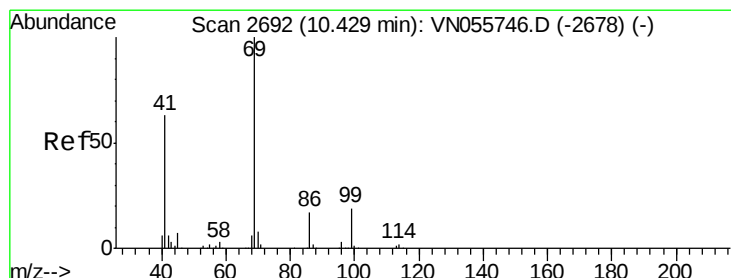
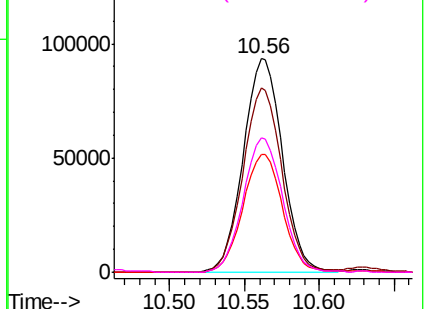


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 48.920 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055751.D

Acq: 23 May 2019 14:03

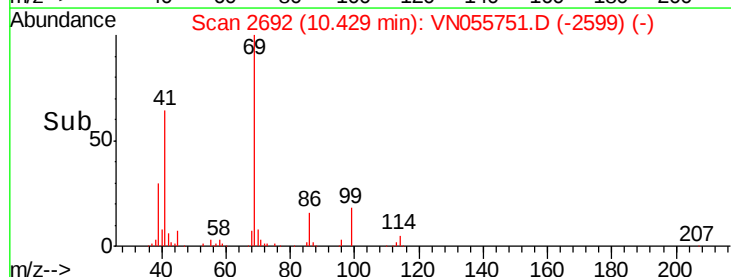
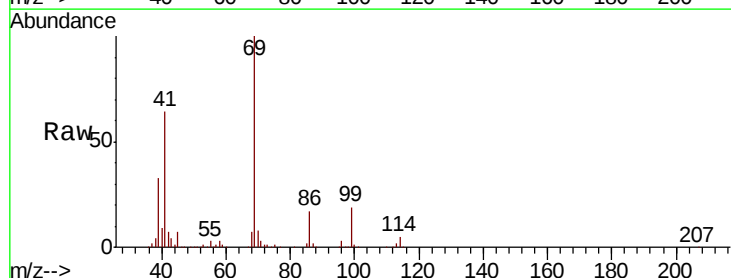
Tgt Ion: 69 Resp: 267992

Ion	Ratio	Lower	Upper
69	100		
41	62.5	49.7	74.5
39	32.0	24.7	37.1

69 100

41 62.5 49.7 74.5

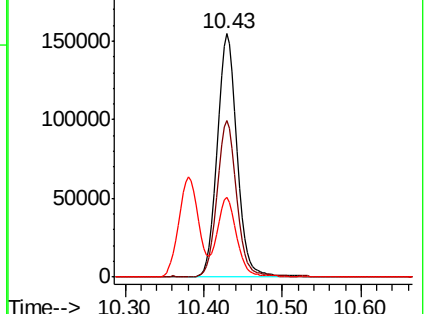
39 32.0 24.7 37.1

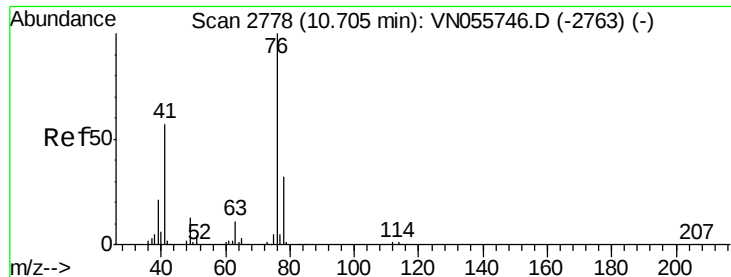


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 48.053 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055751.D

Acq: 23 May 2019 14:03

Instrument :

MSVOA_N

ClientSampleId :

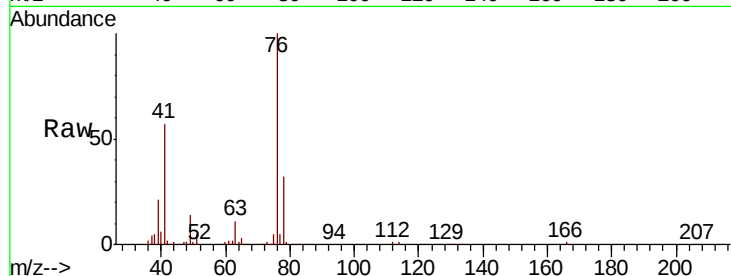
ICVVN052319

Tot Ion: 76 Resp: 276870

Ion Ratio Lower Upper

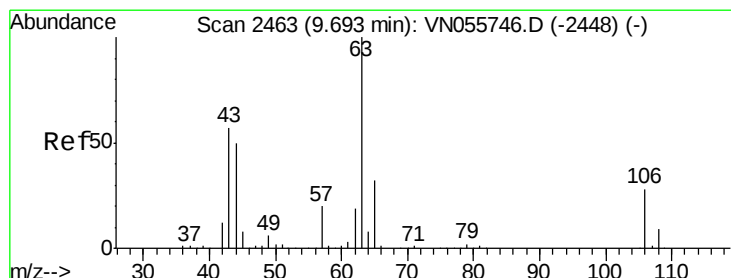
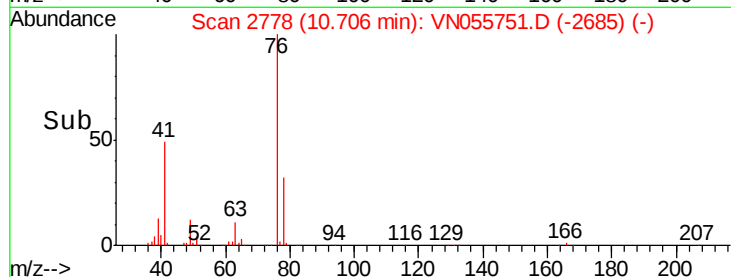
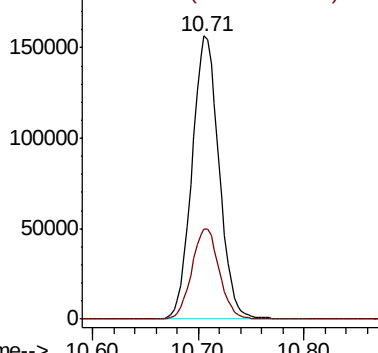
76 100

78 32.5 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 244.589 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055751.D

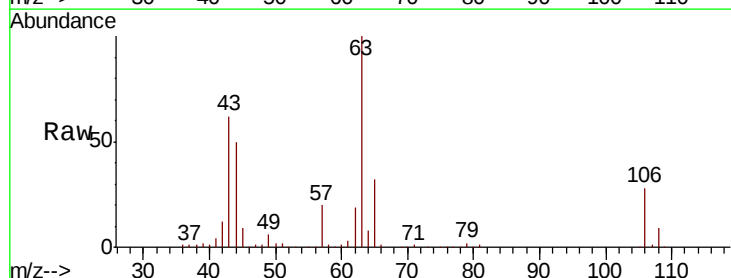
Acq: 23 May 2019 14:03

Tgt Ion: 63 Resp: 512053

Ion Ratio Lower Upper

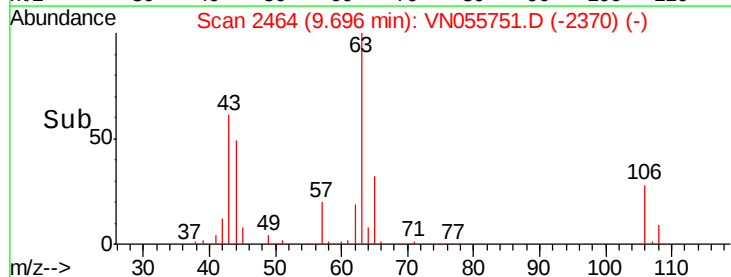
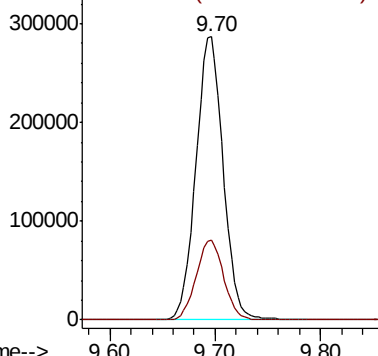
63 100

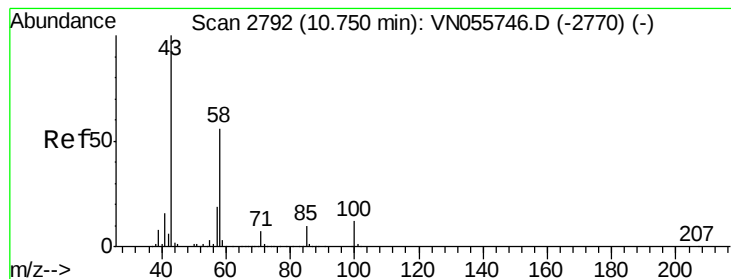
106 28.4 22.7 34.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 246.243 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN055751.D

Acq: 23 May 2019 14:03

Instrument :

MSVOA_N

ClientSampleId :

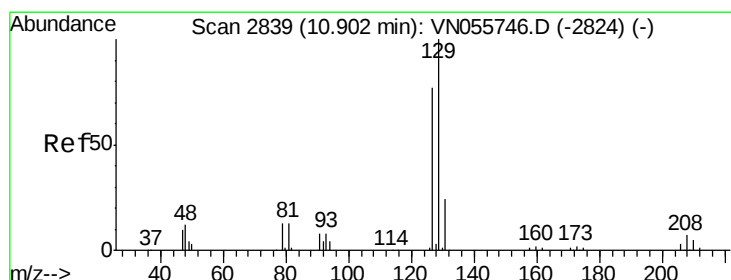
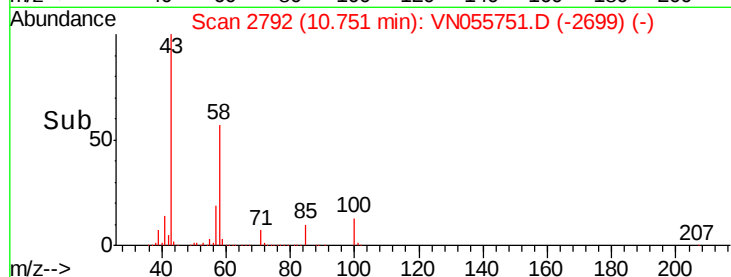
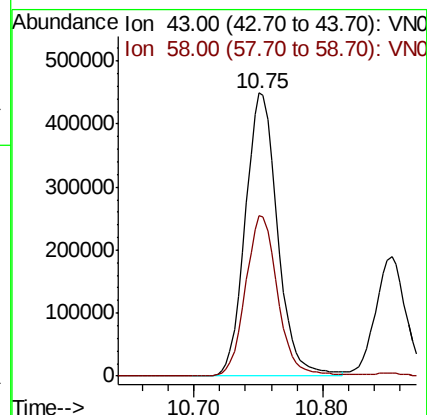
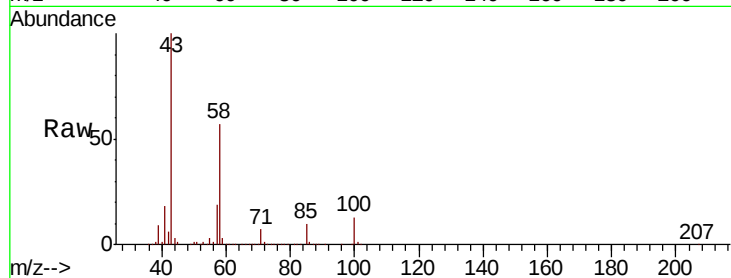
ICVVN052319

Tot Ion: 43 Resp: 782065

Ion Ratio Lower Upper

43 100

58 56.7 28.2 84.7



#60

Dibromochloromethane

Concen: 49.146 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN055751.D

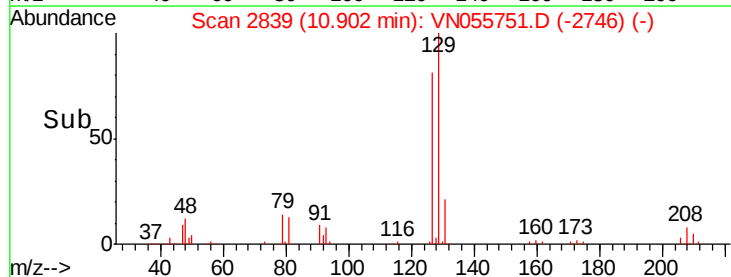
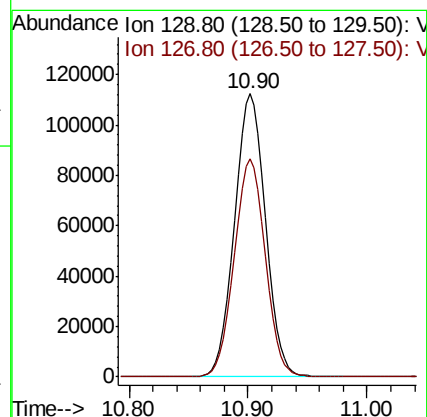
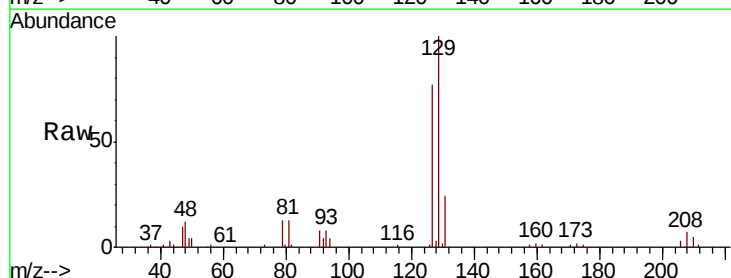
Acq: 23 May 2019 14:03

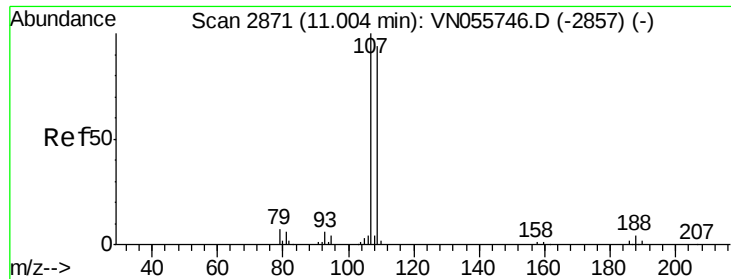
Tgt Ion: 129 Resp: 202939

Ion Ratio Lower Upper

129 100

127 77.2 38.1 114.3

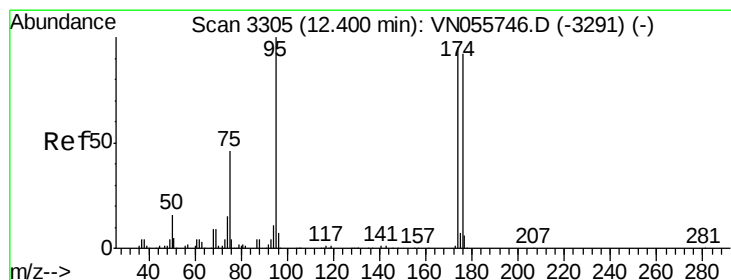
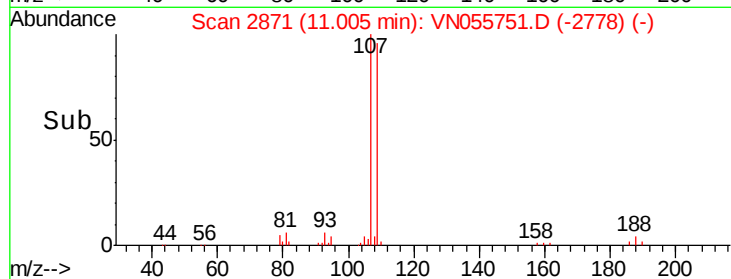
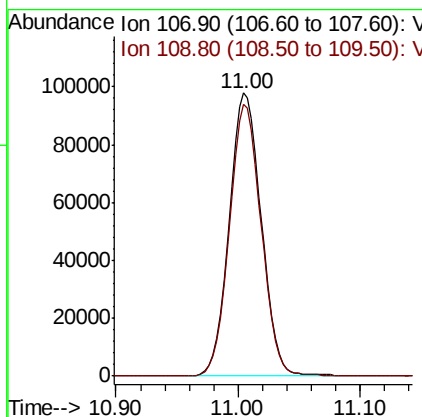
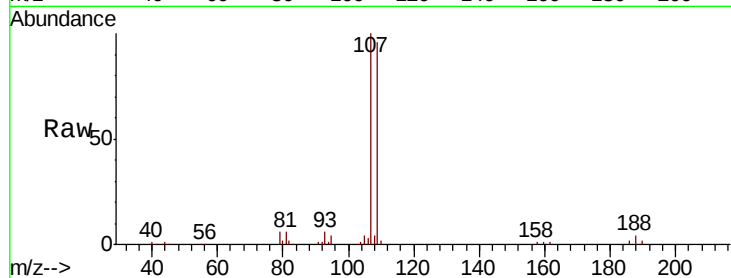




#61
 1,2-Dibromoethane
 Concen: 48.627 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055751.D
 Acq: 23 May 2019 14:03

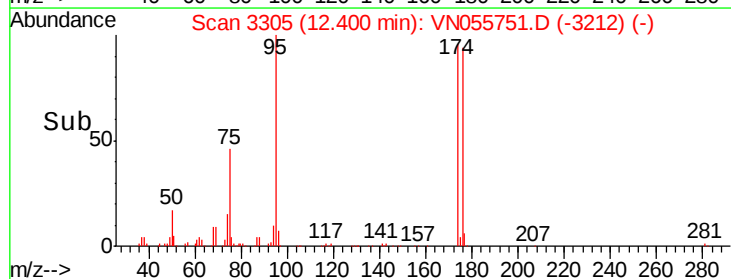
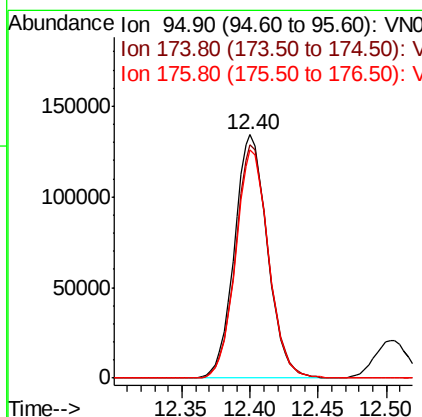
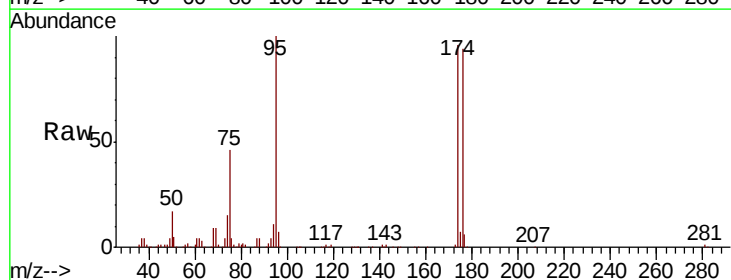
Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN052319

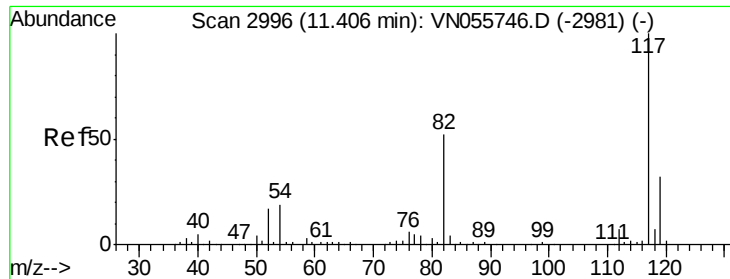
Tot Ion:107 Resp: 178787
 Ion Ratio Lower Upper
 107 100
 109 95.6 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 50.570 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055751.D
 Acq: 23 May 2019 14:03

Tgt Ion: 95 Resp: 225257
 Ion Ratio Lower Upper
 95 100
 174 95.5 0.0 191.0
 176 93.4 0.0 185.2

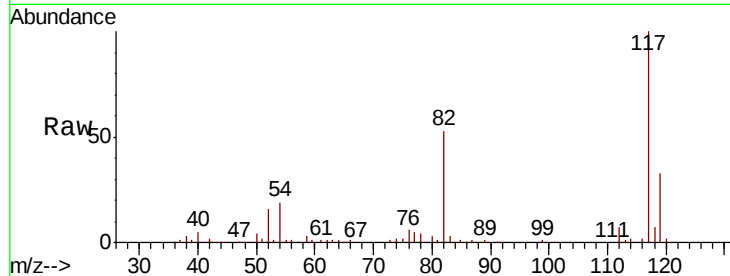




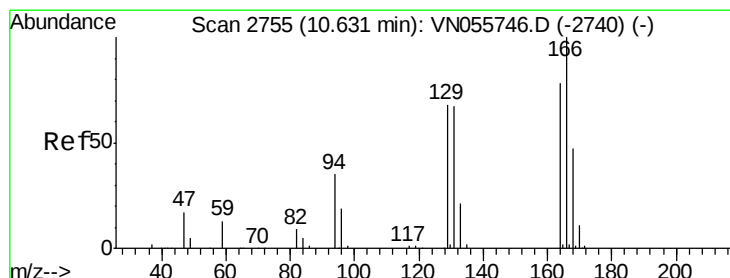
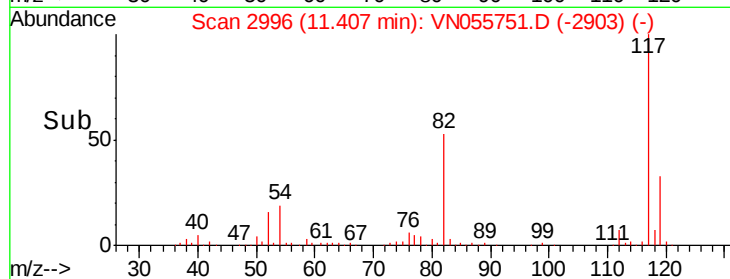
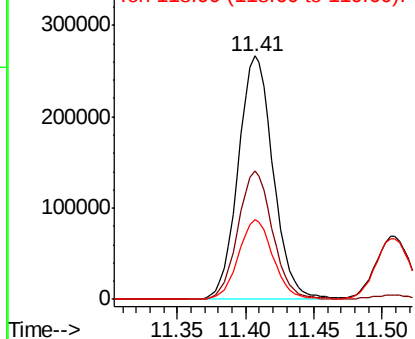
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055751.D
Acq: 23 May 2019 14:03

Instrument :
MSVOA_N
ClientSampleId :
ICVVN052319

Tot Ion:117 Resp: 474668
Ion Ratio Lower Upper
117 100
82 52.7 41.8 62.8
119 32.7 25.4 38.0

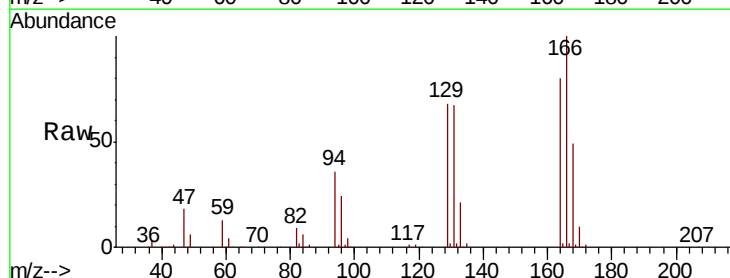


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

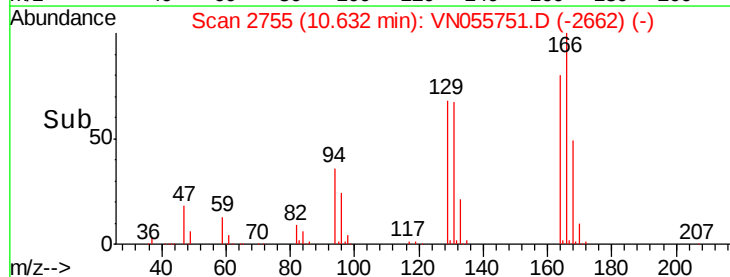
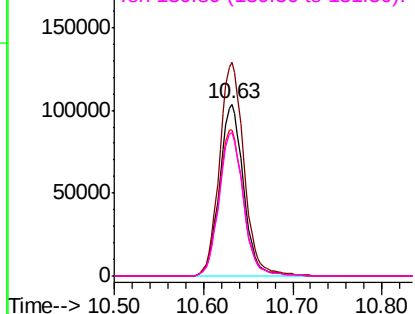


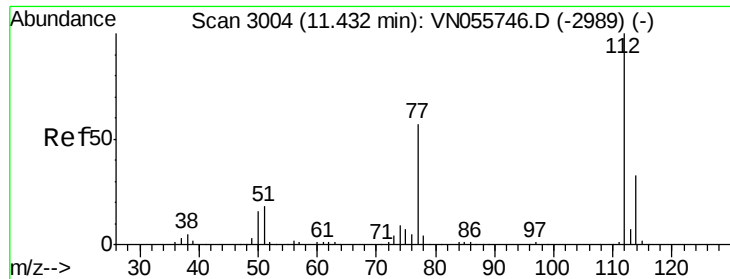
#64
Tetrachloroethene
Concen: 48.168 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055751.D
Acq: 23 May 2019 14:03

Tgt Ion:164 Resp: 192838
Ion Ratio Lower Upper
164 100
166 124.4 103.0 154.6
129 85.1 70.6 105.8
131 83.3 68.6 102.8



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

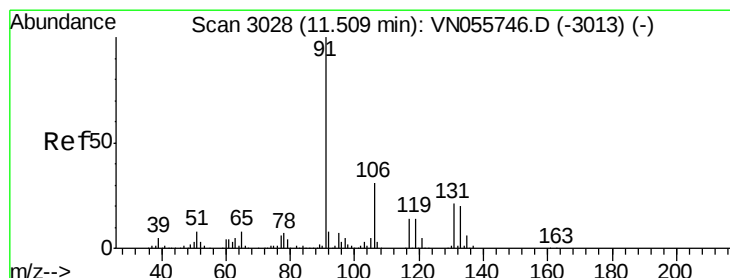
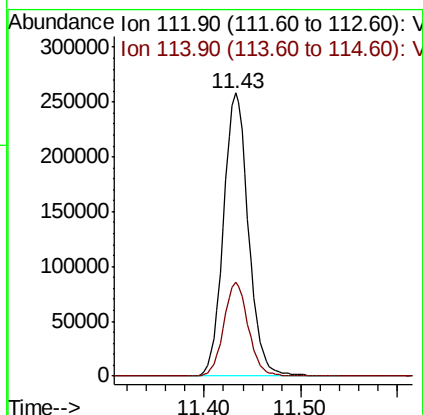
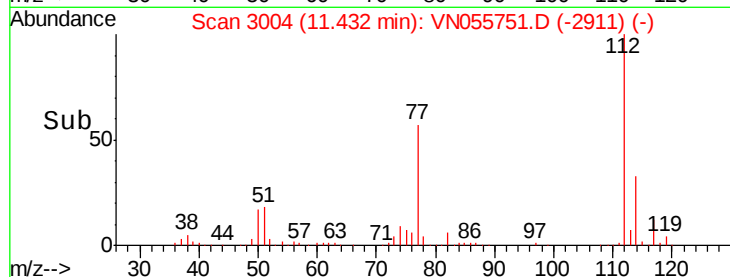
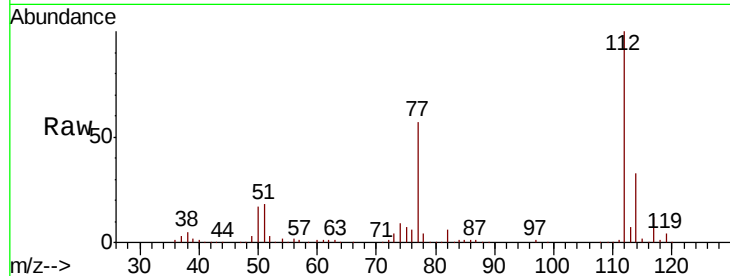




#65
Chlorobenzene
Concen: 48.715 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055751.D
Acq: 23 May 2019 14:03

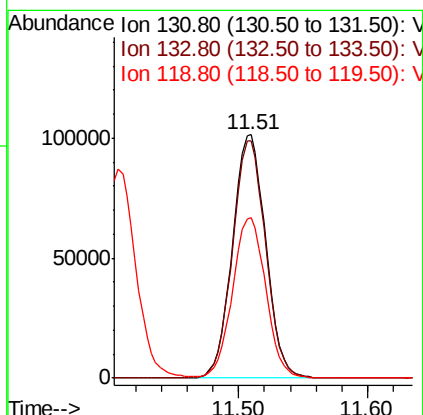
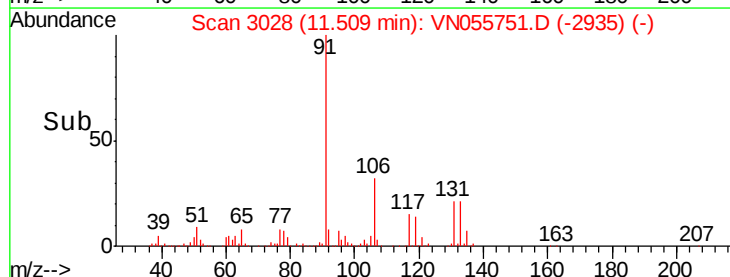
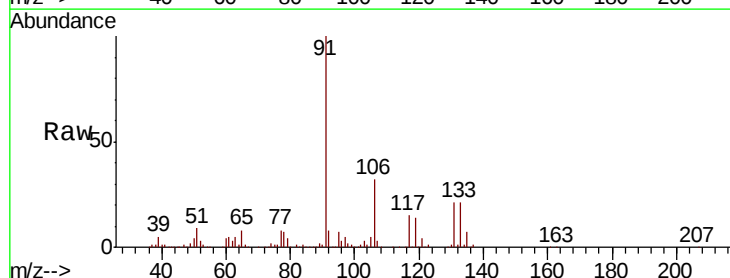
Instrument :
MSVOA_N
ClientSampleId :
ICVVN052319

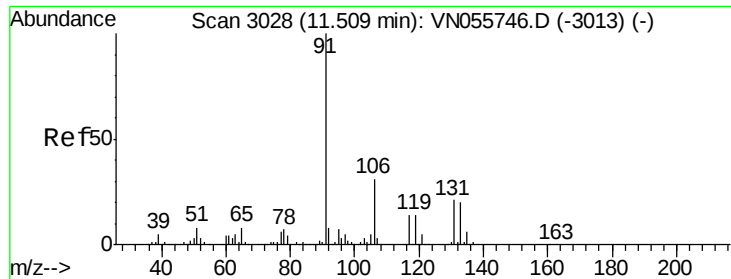
Tot Ion:112 Resp: 462904
Ion Ratio Lower Upper
112 100
114 33.0 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 47.900 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055751.D
Acq: 23 May 2019 14:03

Tgt Ion:131 Resp: 181536
Ion Ratio Lower Upper
131 100
133 97.2 48.0 144.0
119 66.1 33.1 99.5

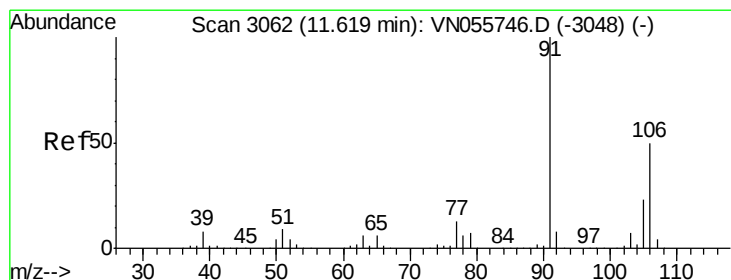
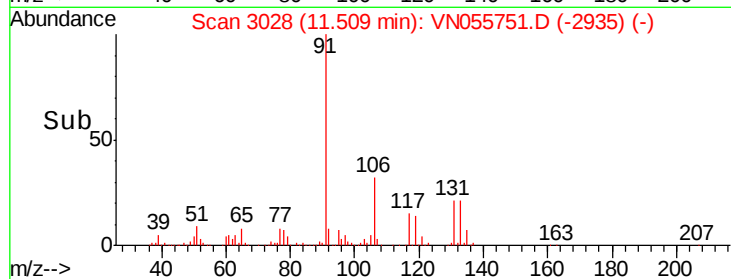
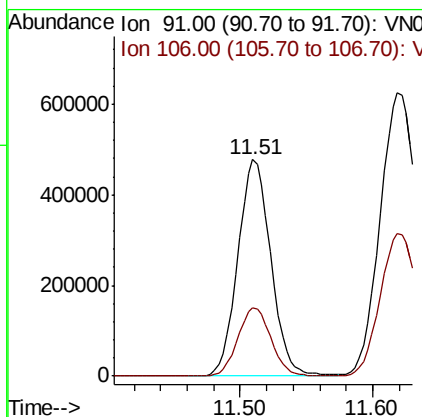
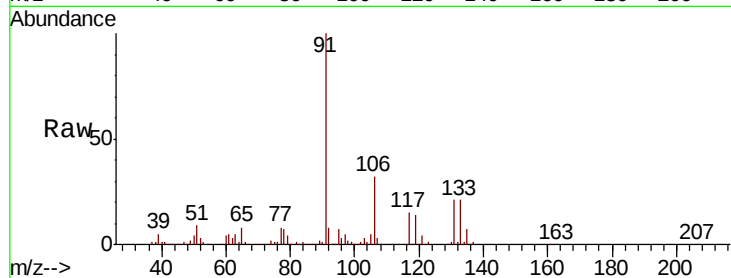




#67
Ethyl Benzene
Concen: 48.460 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055751.D
Acq: 23 May 2019 14:03

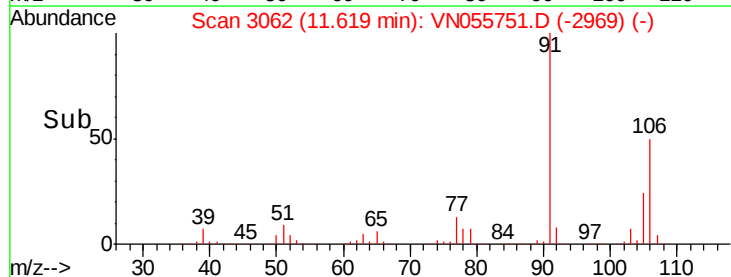
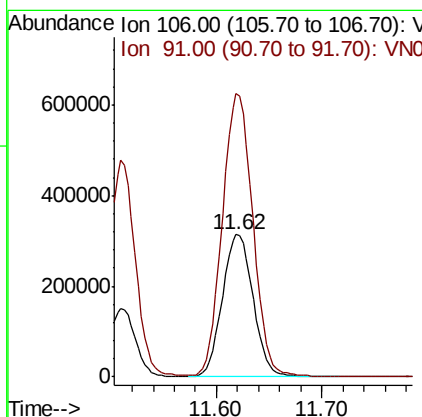
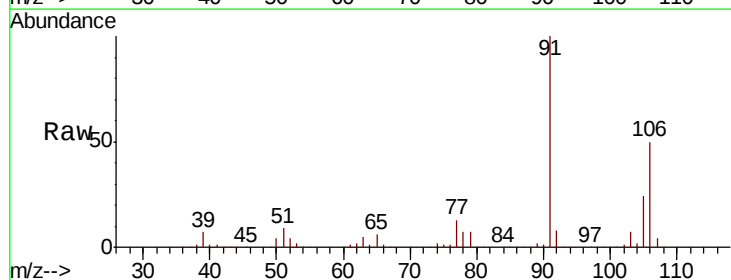
Instrument :
MSVOA_N
ClientSampleId :
ICVVN052319

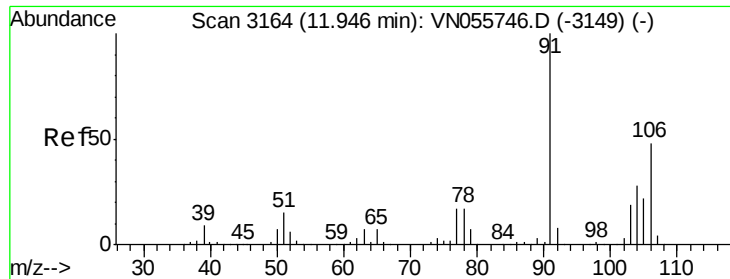
Tot Ion: 91 Resp: 825782
Ion Ratio Lower Upper
91 100
106 31.8 25.1 37.7



#68
m/p-Xylenes
Concen: 98.376 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055751.D
Acq: 23 May 2019 14:03

Tgt Ion: 106 Resp: 633750
Ion Ratio Lower Upper
106 100
91 197.8 159.3 238.9

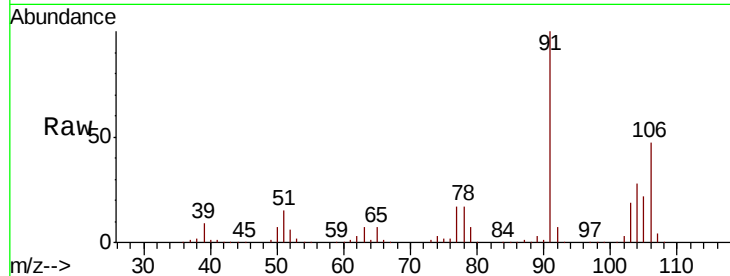




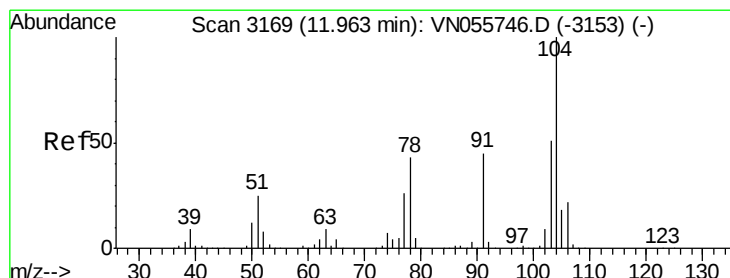
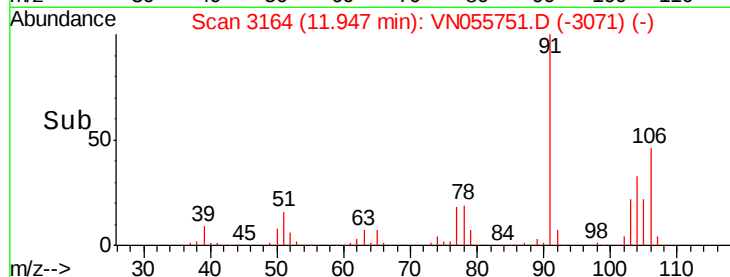
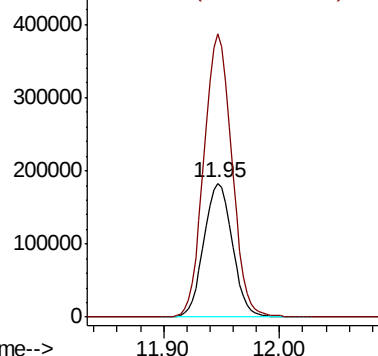
#69
o-Xylene
Concen: 48.660 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055751.D
Acq: 23 May 2019 14:03

Instrument :
MSVOA_N
ClientSampled :
ICVVN052319

Tot Ion:106 Resp: 311004
Ion Ratio Lower Upper
106 100
91 208.3 104.7 314.1

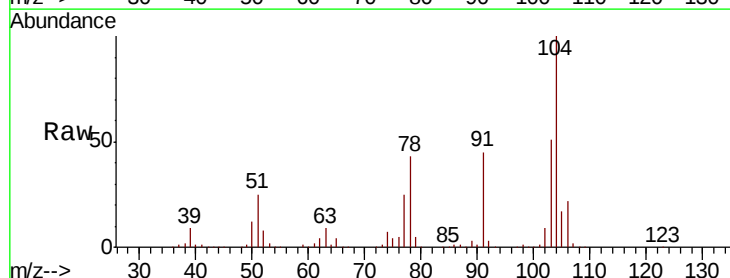


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

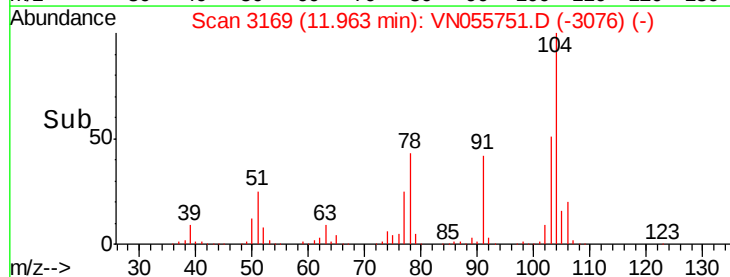
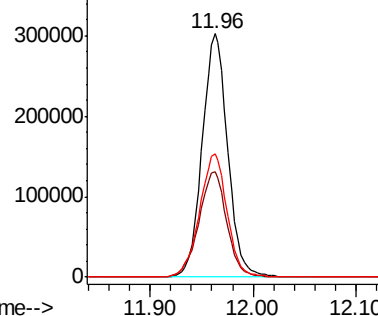


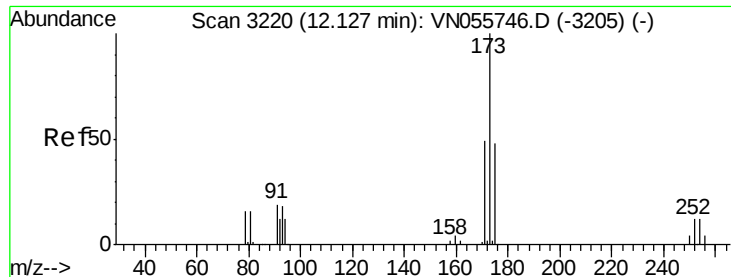
#70
Styrene
Concen: 50.295 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055751.D
Acq: 23 May 2019 14:03

Tgt Ion:104 Resp: 520569
Ion Ratio Lower Upper
104 100
78 47.4 37.8 56.6
103 54.9 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: 50.020 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055751.D

Acq: 23 May 2019 14:03

Instrument :

MSVOA_N

ClientSampleId :

ICVVN052319

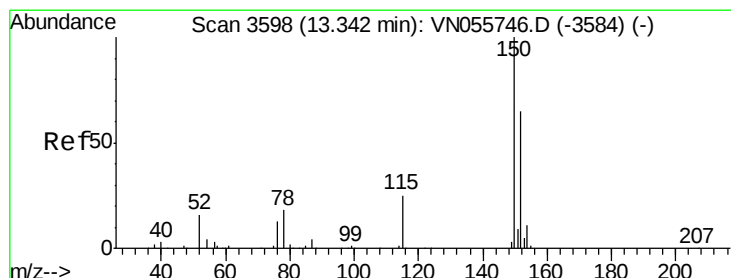
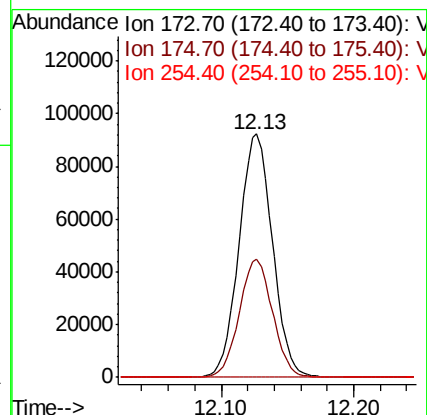
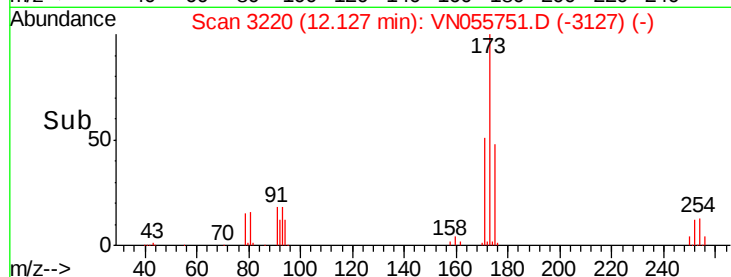
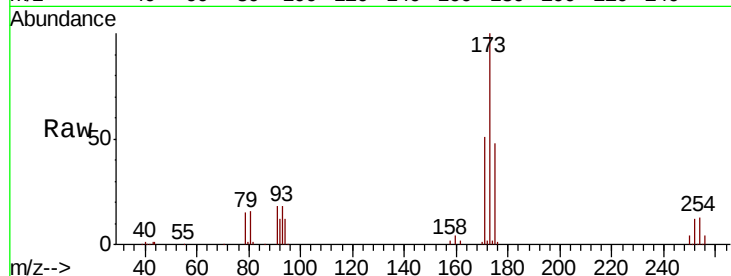
Tot Ion:173 Resp: 161696

Ion Ratio Lower Upper

173 100

175 48.2 24.3 72.8

254 0.1 0.0 0.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055751.D

Acq: 23 May 2019 14:03

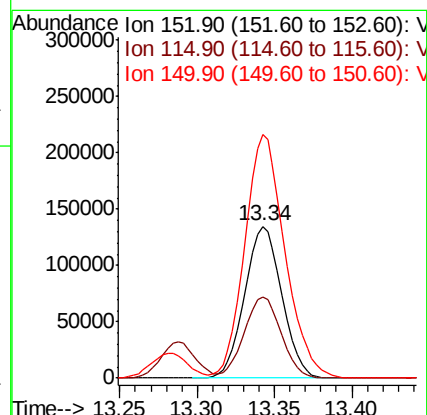
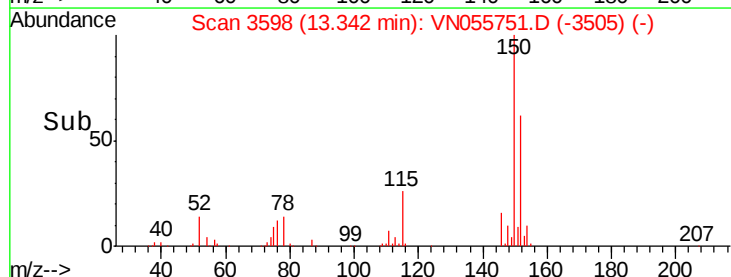
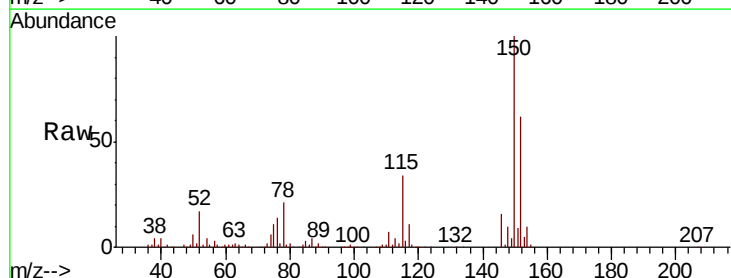
Tgt Ion:152 Resp: 225021

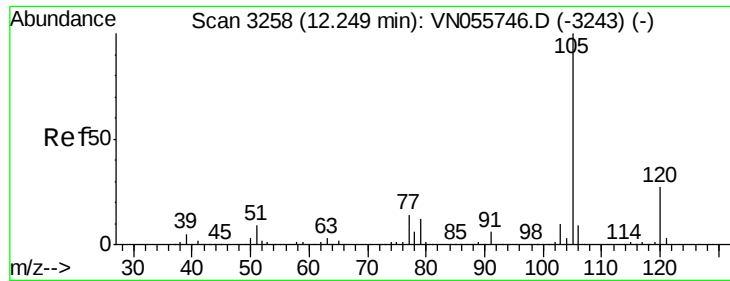
Ion Ratio Lower Upper

152 100

115 53.3 27.0 81.0

150 173.3 0.0 343.2





#73

Isopropylbenzene

Concen: 51.288 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055751.D

Acq: 23 May 2019 14:03

Instrument :

MSVOA_N

ClientSampleId :

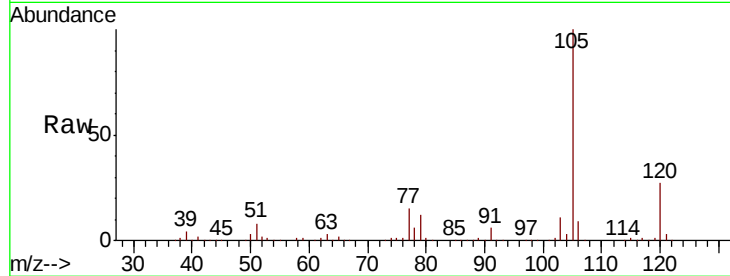
ICV052319

Tot Ion:105 Resp: 819839

Ion Ratio Lower Upper

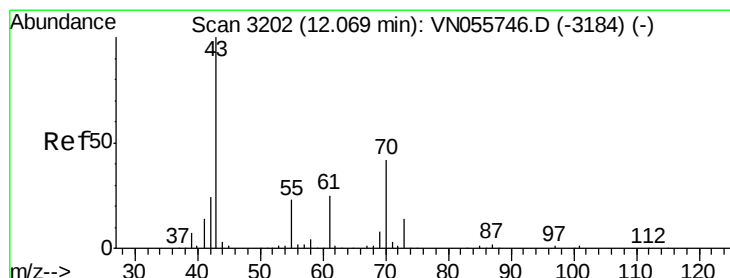
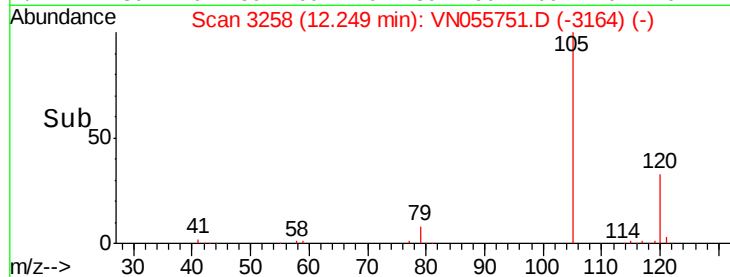
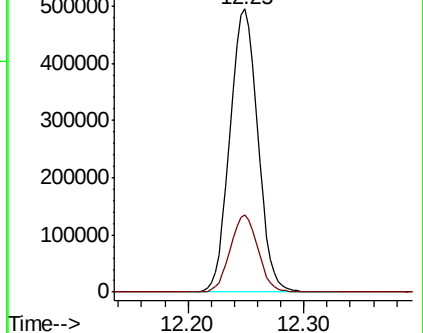
105 100

120 27.1 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.118 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055751.D

Acq: 23 May 2019 14:03

Tgt Ion: 43 Resp: 299540

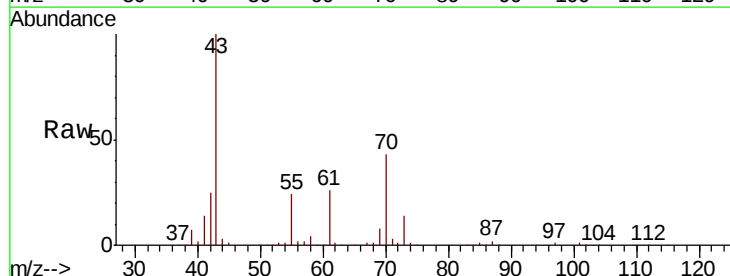
Ion Ratio Lower Upper

43 100

70 43.3 34.0 51.0

55 23.9 18.6 28.0

61 25.4 20.0 30.0

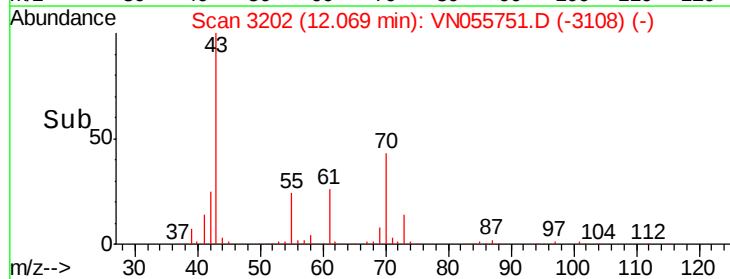
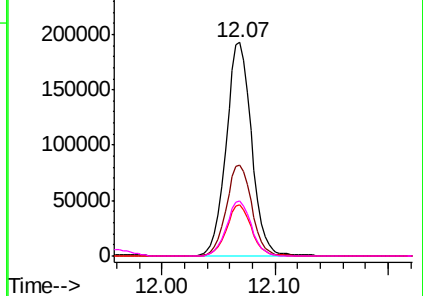


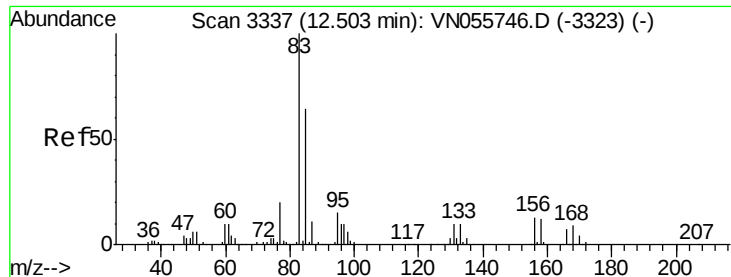
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 50.210 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055751.D

Acq: 23 May 2019 14:03

Instrument :

MSVOA_N

ClientSampleId :

ICVVN052319

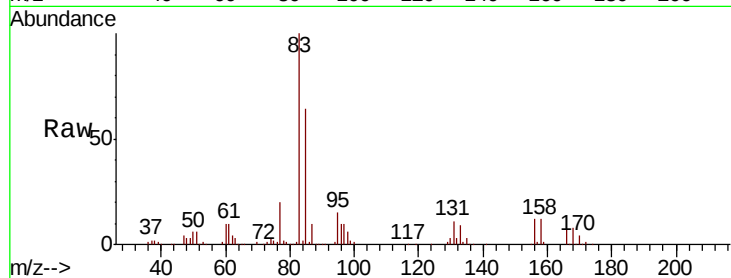
Tot Ion: 83 Resp: 237965

Ion Ratio Lower Upper

83 100

131 11.0 5.4 16.2

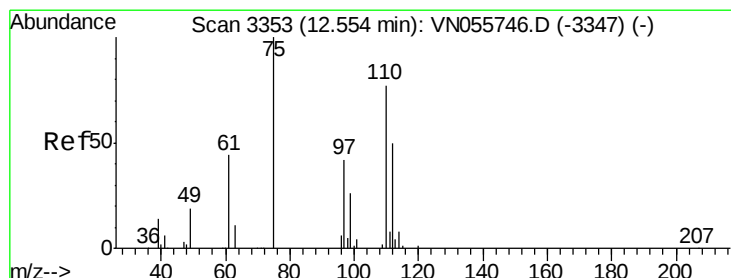
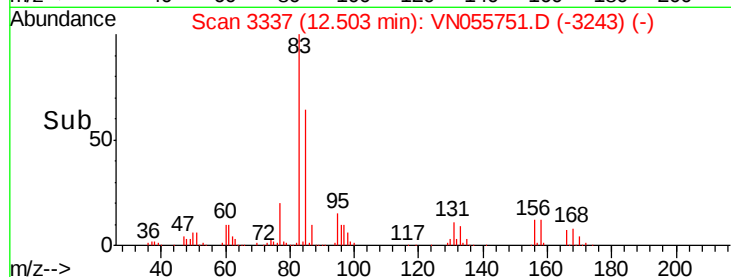
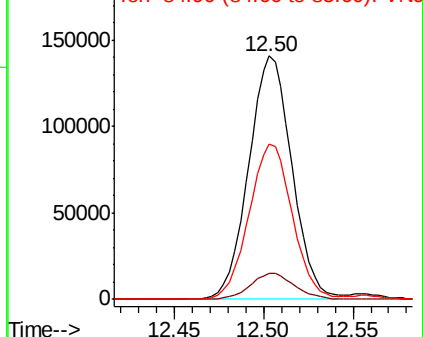
85 64.3 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN055751.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN055751.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN055751.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 77.828 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055751.D

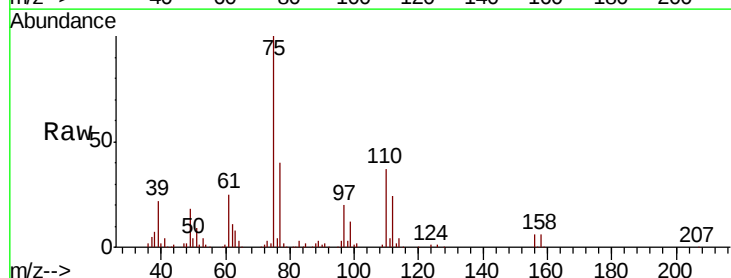
Acq: 23 May 2019 14:03

Tgt Ion: 75 Resp: 294764

Ion Ratio Lower Upper

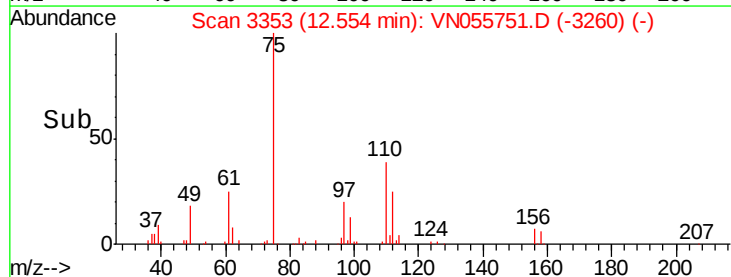
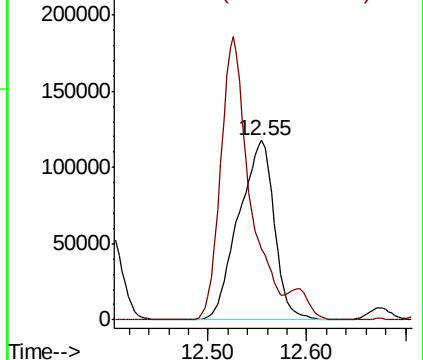
75 100

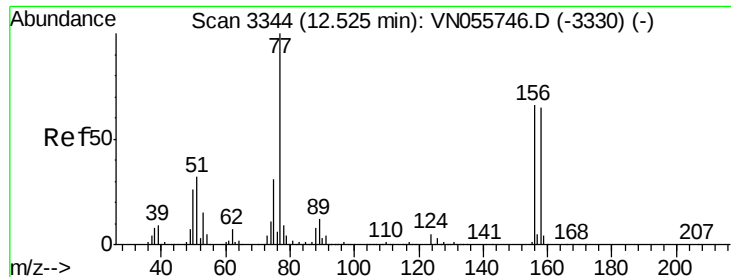
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055751.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN055751.D (-3260) (-)





#77

Bromobenzene

Concen: 44.402 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055751.D

Acq: 23 May 2019 14:03

Instrument :

MSVOA_N

ClientSampleId :

ICVVN052319

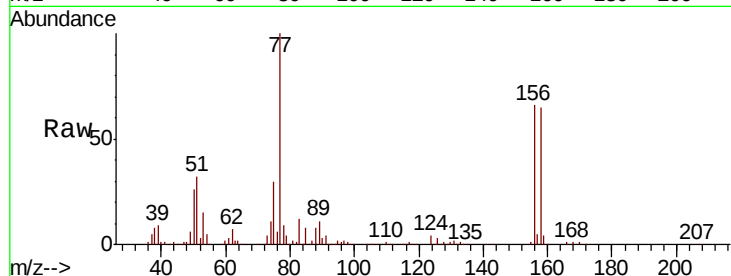
Tot Ion:156 Resp: 213208

Ion Ratio Lower Upper

156 100

77 181.2 90.8 272.5

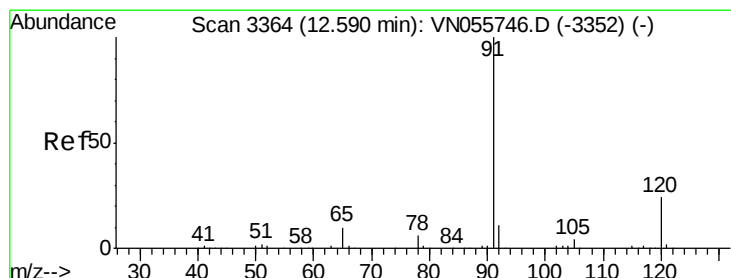
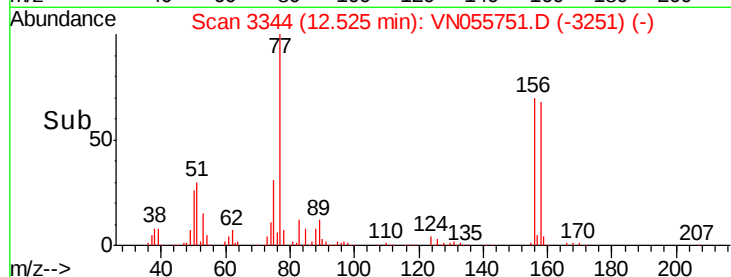
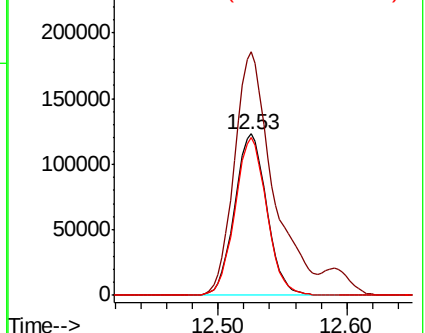
158 96.6 49.3 147.8



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: 45.099 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055751.D

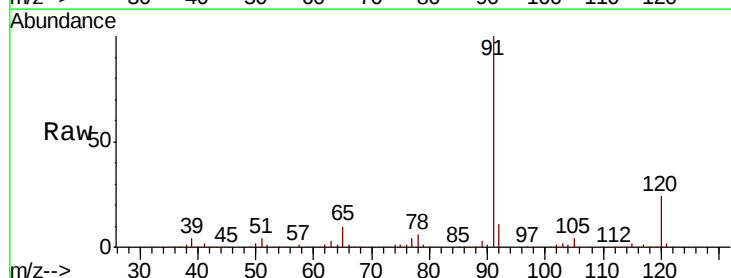
Acq: 23 May 2019 14:03

Tgt Ion: 91 Resp: 882018

Ion Ratio Lower Upper

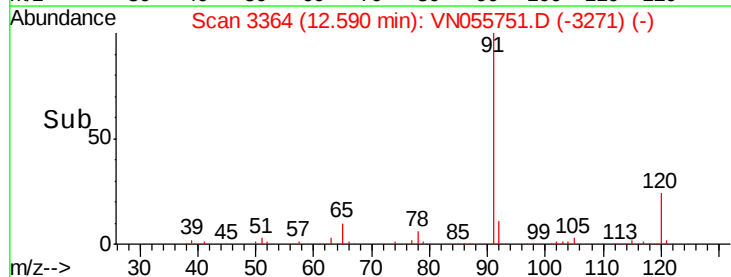
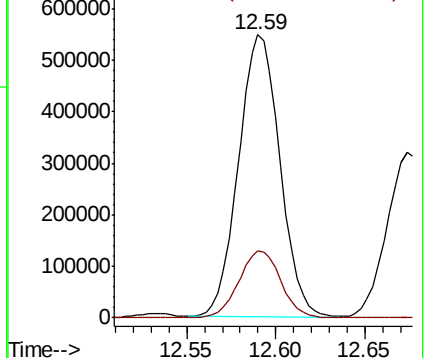
91 100

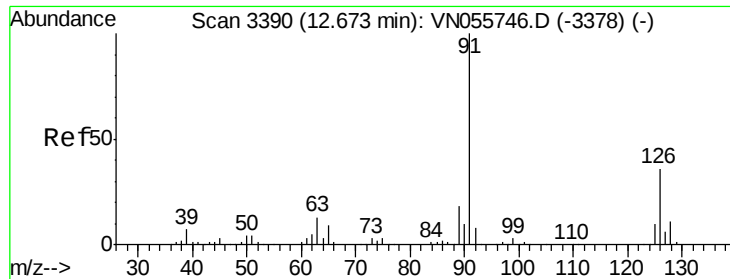
120 24.1 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

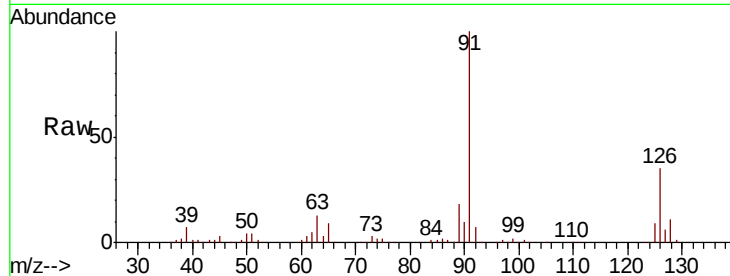




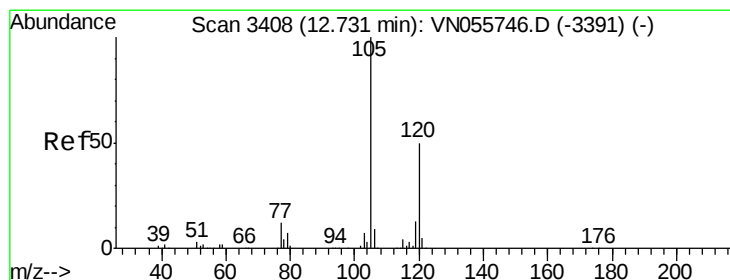
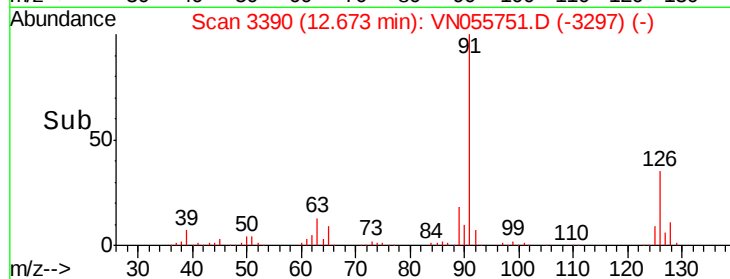
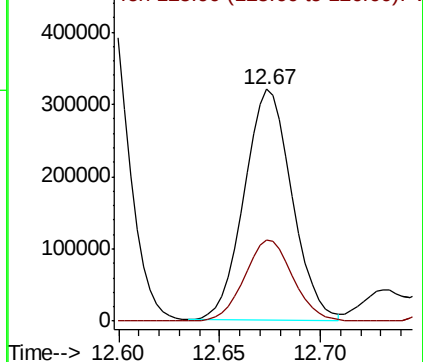
#79
 2-Chlorotoluene
 Concen: 50.181 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN055751.D
 Acq: 23 May 2019 14:03

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN052319

Tot Ion: 91 Resp: 528535
 Ion Ratio Lower Upper
 91 100
 126 35.9 18.1 54.4

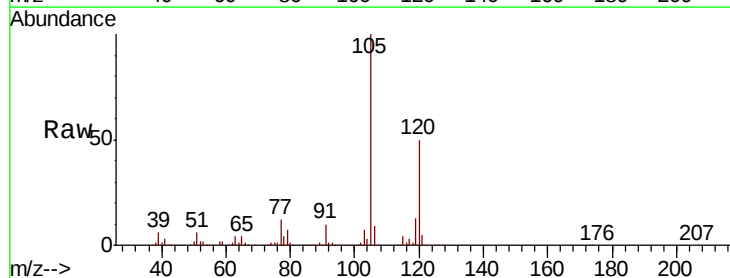


Abundance Ion 91.00 (90.70 to 91.70): VN055746.D (-3378) (-)
 Ion 125.90 (125.60 to 126.60): VN055746.D (-3378) (-)

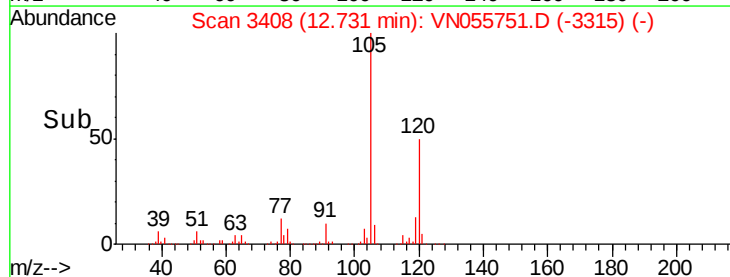
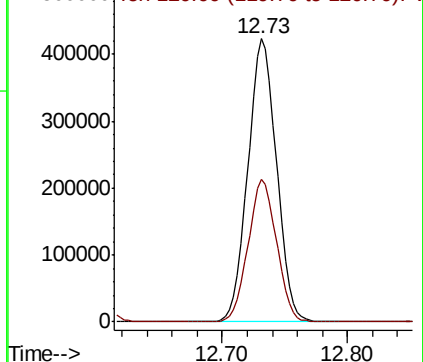


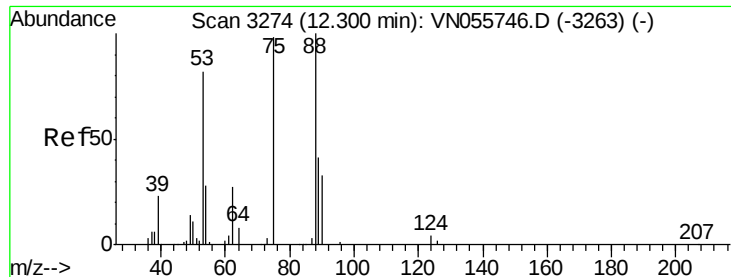
#80
 1,3,5-Trimethylbenzene
 Concen: 50.009 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN055751.D
 Acq: 23 May 2019 14:03

Tgt Ion: 105 Resp: 673779
 Ion Ratio Lower Upper
 105 100
 120 50.0 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN055746.D (-3391) (-)
 Ion 120.00 (119.70 to 120.70): VN055746.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 46.418 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055751.D

Acq: 23 May 2019 14:03

Instrument :

MSVOA_N

ClientSampleId :

ICVVN052319

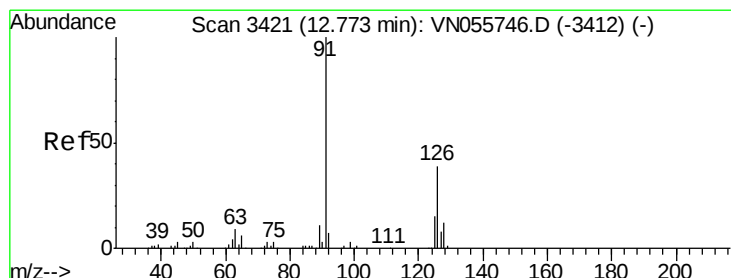
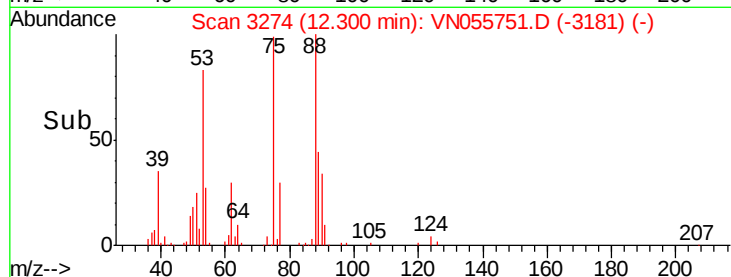
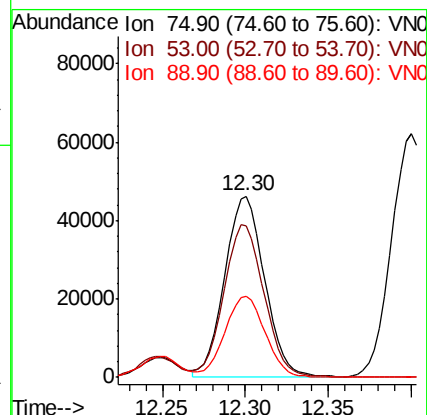
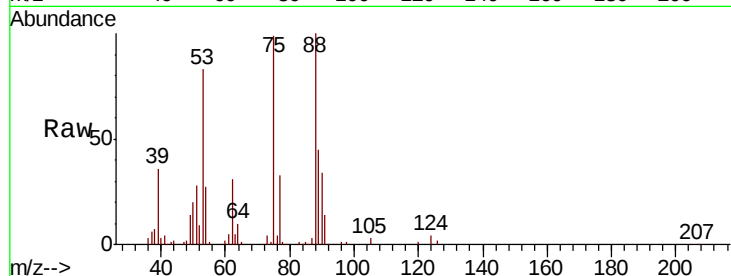
Tot Ion: 75 Resp: 77631

Ion Ratio Lower Upper

75 100

53 84.9 68.1 102.1

89 44.8 36.9 55.3



#82

4-Chlorotoluene

Concen: 45.540 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055751.D

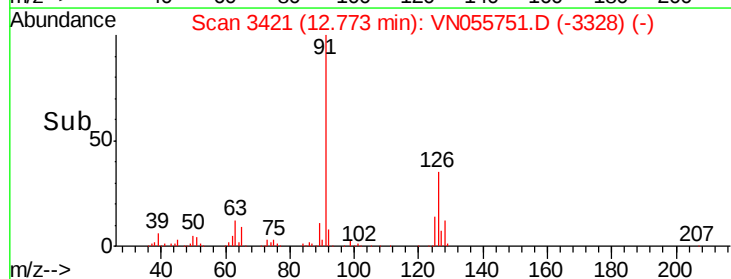
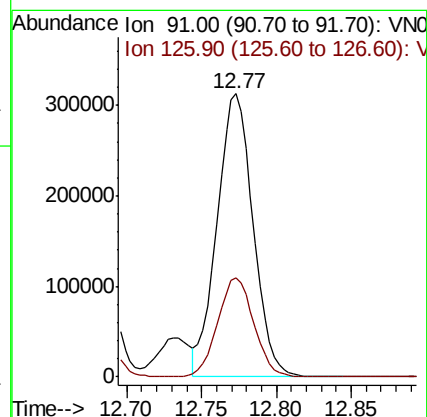
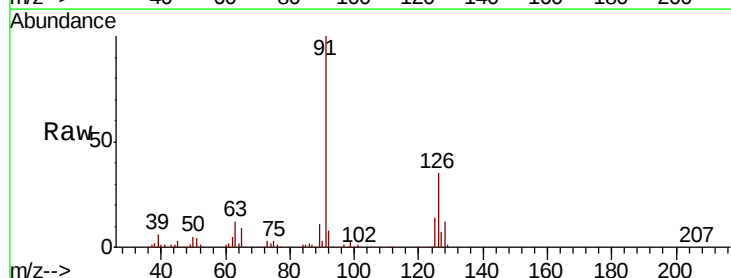
Acq: 23 May 2019 14:03

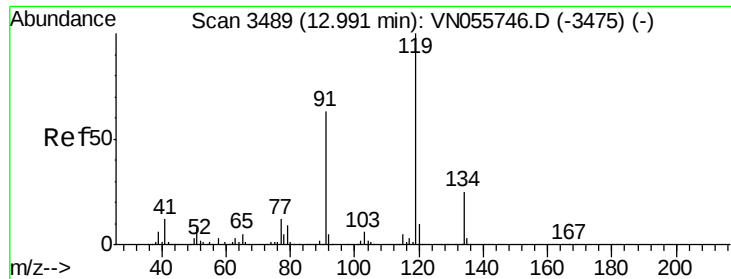
Tgt Ion: 91 Resp: 523536

Ion Ratio Lower Upper

91 100

126 35.1 17.8 53.3

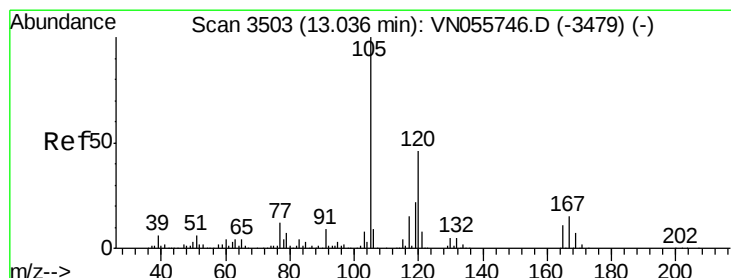
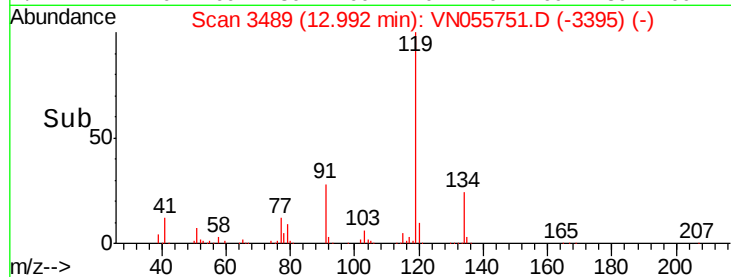
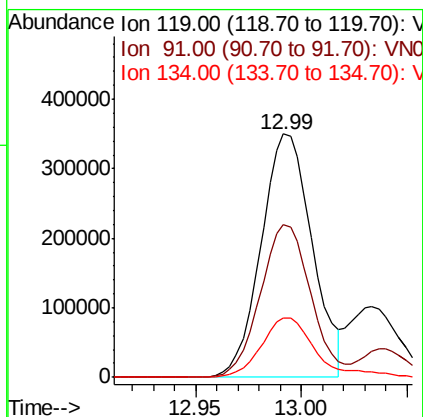
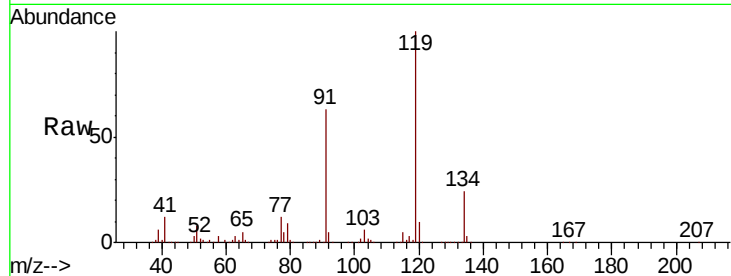




#83
tert-Butylbenzene
Concen: 50.737 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055751.D
Acq: 23 May 2019 14:03

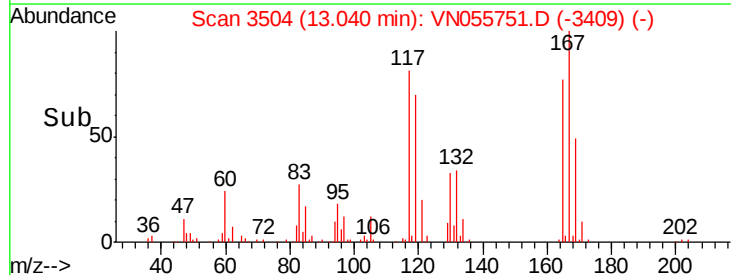
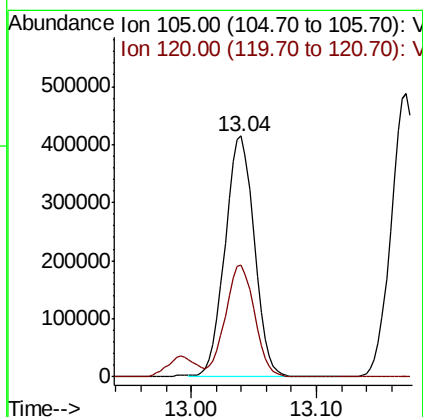
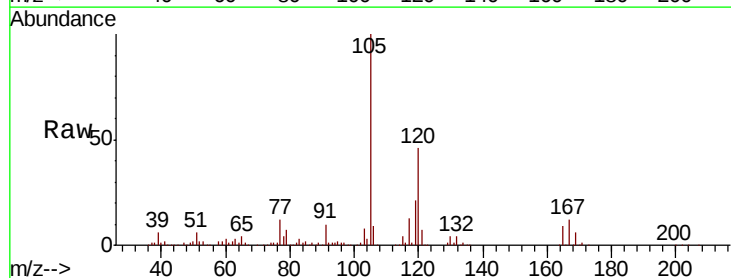
Instrument :
MSVOA_N
ClientSampleId :
ICVVN052319

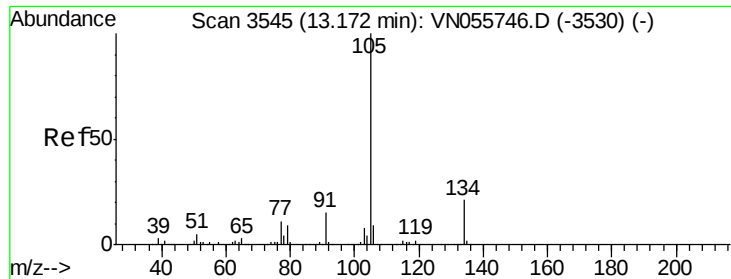
Tot Ion:119 Resp: 590375
Ion Ratio Lower Upper
119 100
91 61.6 30.9 92.8
134 26.1 13.3 39.8



#84
1,2,4-Trimethylbenzene
Concen: 49.909 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055751.D
Acq: 23 May 2019 14:03

Tgt Ion:105 Resp: 671392
Ion Ratio Lower Upper
105 100
120 46.4 23.0 69.0





#85

sec-Butylbenzene

Concen: 51.429 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055751.D

Acq: 23 May 2019 14:03

Instrument :

MSVOA_N

ClientSampled :

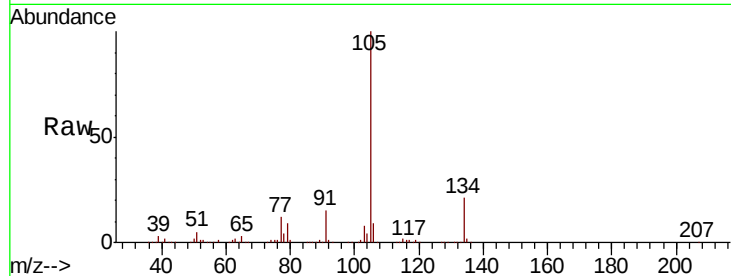
ICV052319

Tot Ion:105 Resp: 778026

Ion Ratio Lower Upper

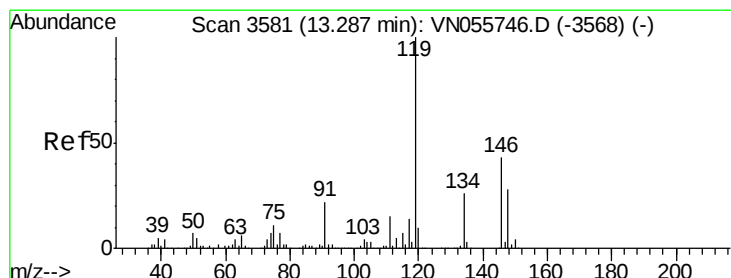
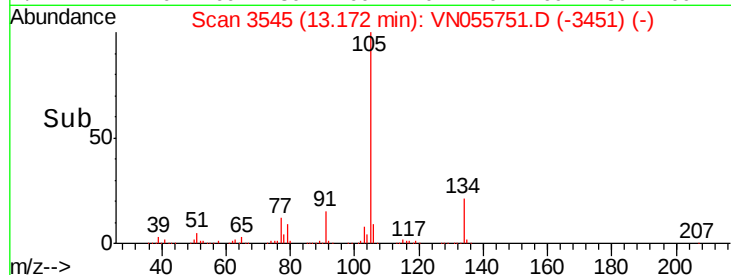
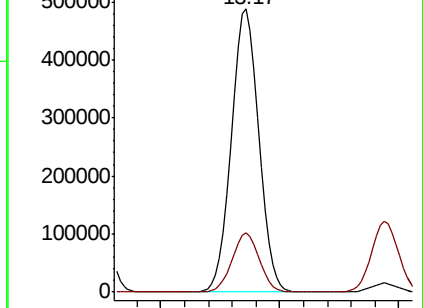
105 100

134 20.7 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 46.145 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055751.D

Acq: 23 May 2019 14:03

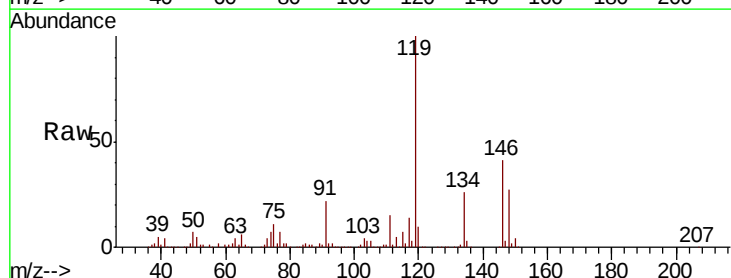
Tgt Ion:119 Resp: 721099

Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.1

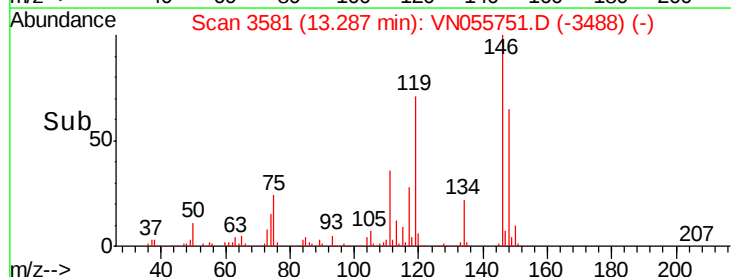
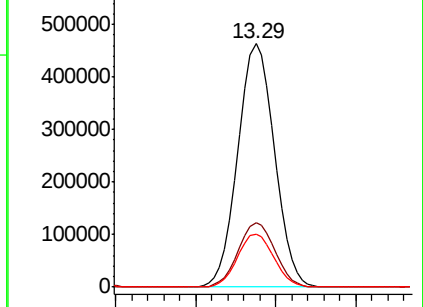
91 21.6 10.9 32.9

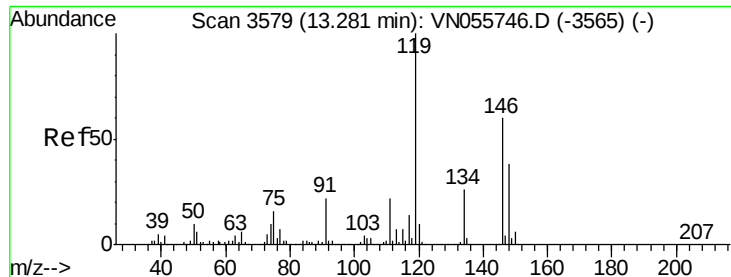


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 47.649 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN055751.D

Acq: 23 May 2019 14:03

Instrument :

MSVOA_N

ClientSampleId :

ICVVN052319

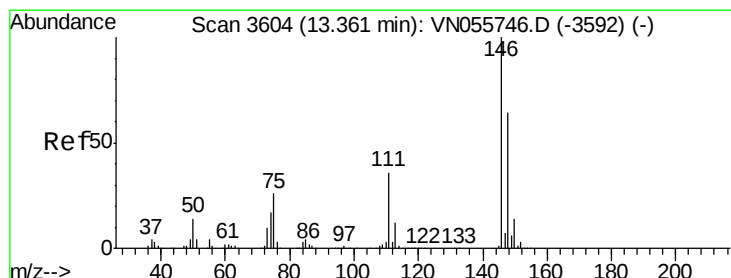
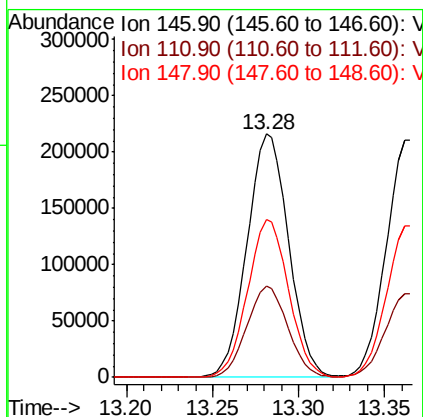
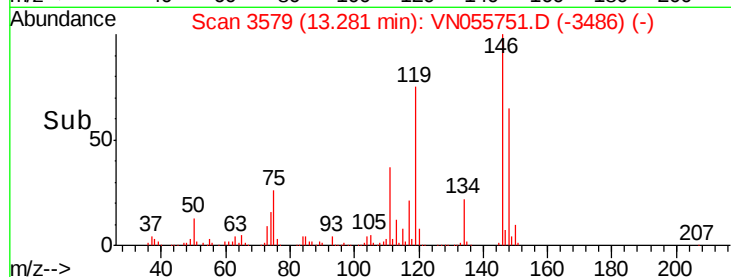
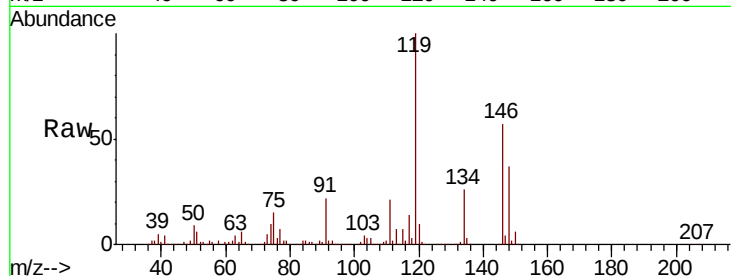
Tot Ion:146 Resp: 362286

Ion Ratio Lower Upper

146 100

111 37.1 18.5 55.5

148 63.9 32.0 96.2



#88

1,4-Dichlorobenzene

Concen: 48.478 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN055751.D

Acq: 23 May 2019 14:03

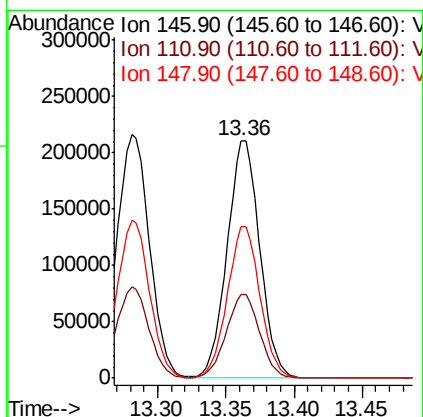
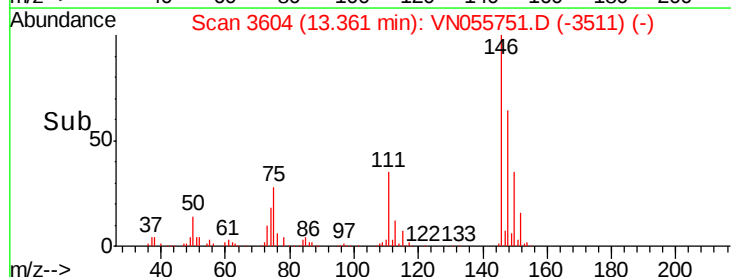
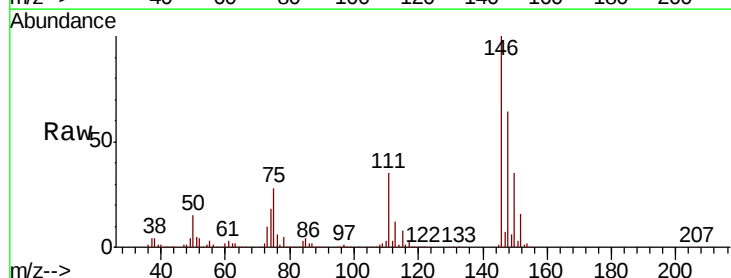
Tgt Ion:146 Resp: 350436

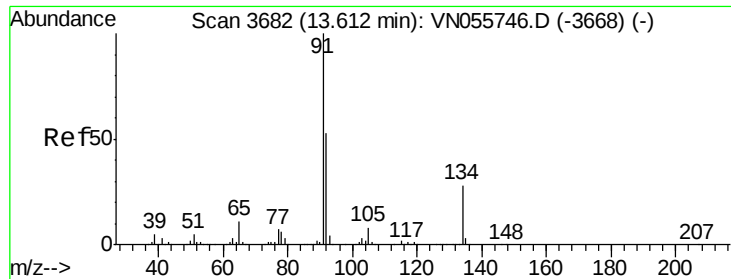
Ion Ratio Lower Upper

146 100

111 35.8 18.1 54.4

148 63.8 32.1 96.5

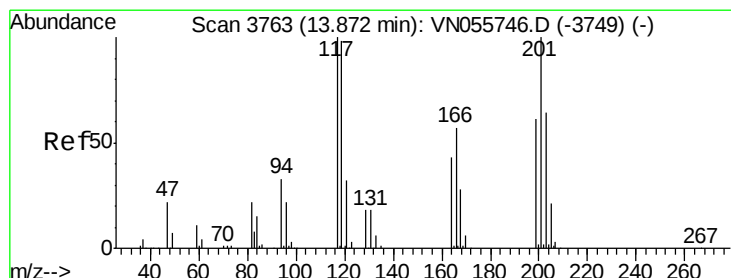
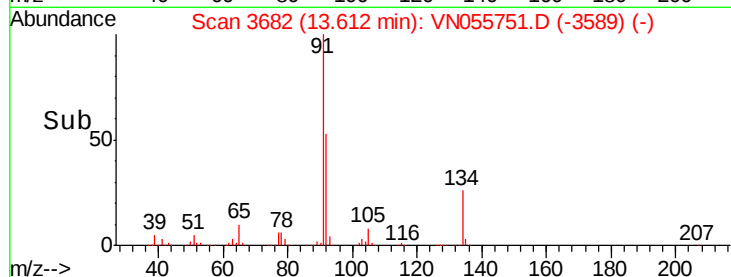
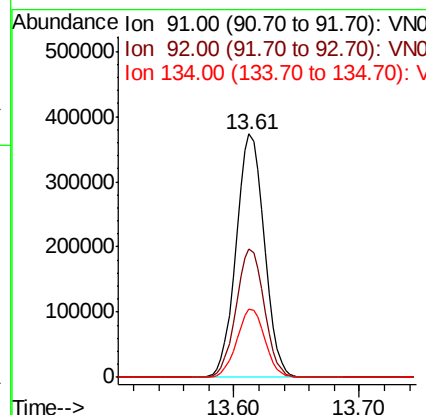
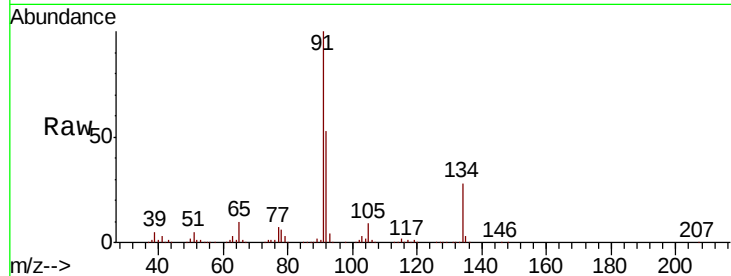




#89
n-Butylbenzene
Concen: 48.617 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055751.D
Acq: 23 May 2019 14:03

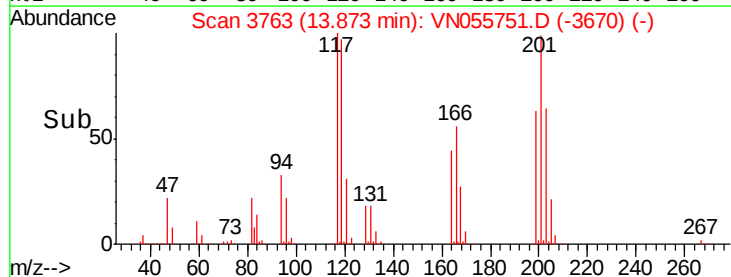
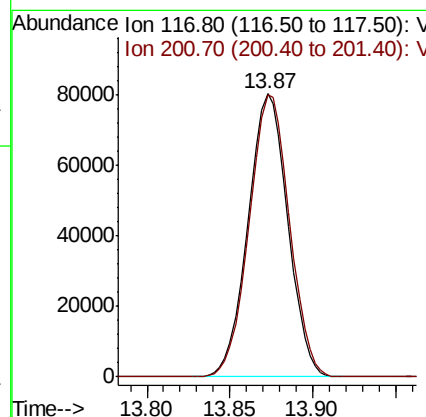
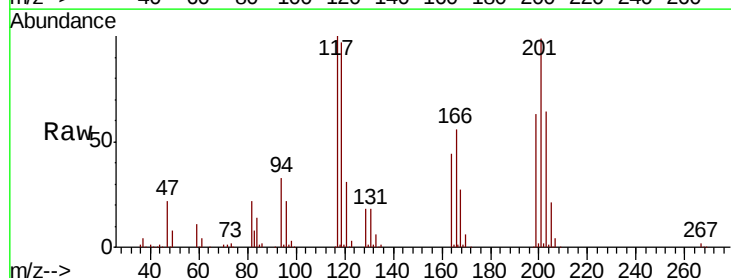
Instrument :
MSVOA_N
ClientSampleId :
ICVVN052319

Tot Ion: 91 Resp: 582104
Ion Ratio Lower Upper
91 100
92 52.7 26.4 79.0
134 27.9 13.9 41.7



#90
Hexachloroethane
Concen: 45.012 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055751.D
Acq: 23 May 2019 14:03

Tgt Ion: 117 Resp: 133884
Ion Ratio Lower Upper
117 100
201 100.8 50.0 150.0





#91

1,2-Dichlorobenzene

Concen: 46.181 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN055751.D

Acq: 23 May 2019 14:03

Instrument :

MSVOA_N

ClientSampleId :

ICVVN052319

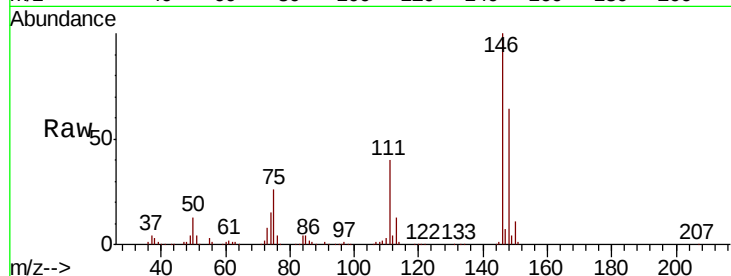
Tot Ion:146 Resp: 350313

Ion Ratio Lower Upper

146 100

111 38.9 19.1 57.5

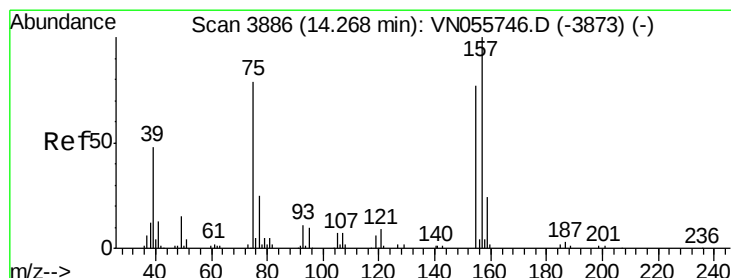
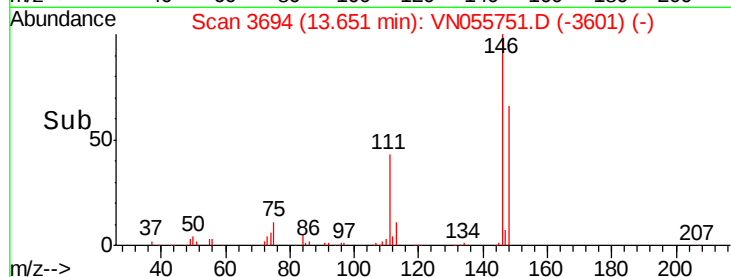
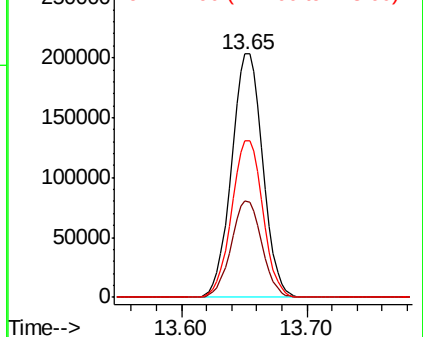
148 64.6 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 44.455 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN055751.D

Acq: 23 May 2019 14:03

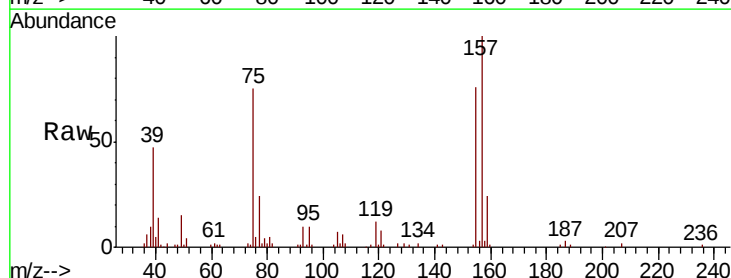
Tgt Ion: 75 Resp: 44323

Ion Ratio Lower Upper

75 100

155 102.2 50.0 150.1

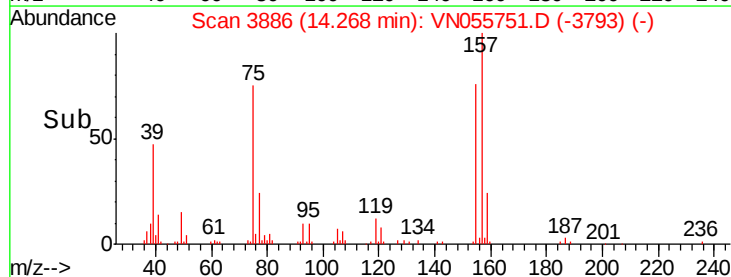
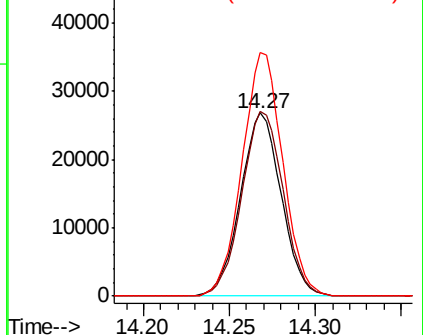
157 132.2 64.8 194.3

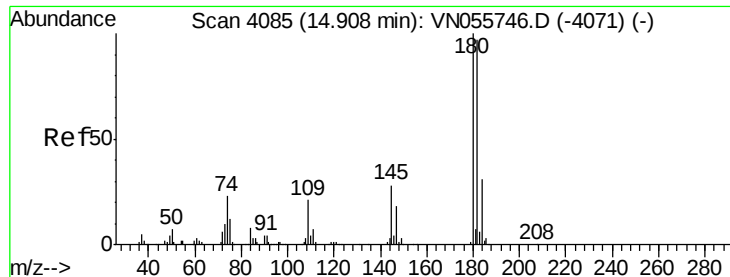


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

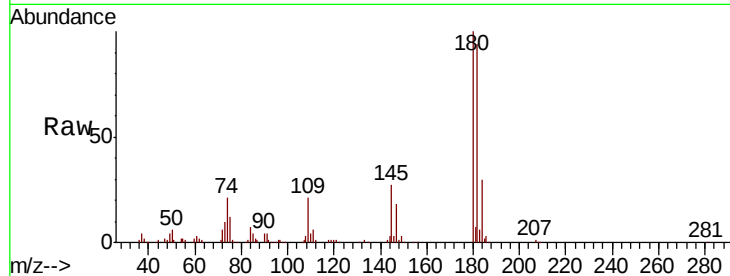




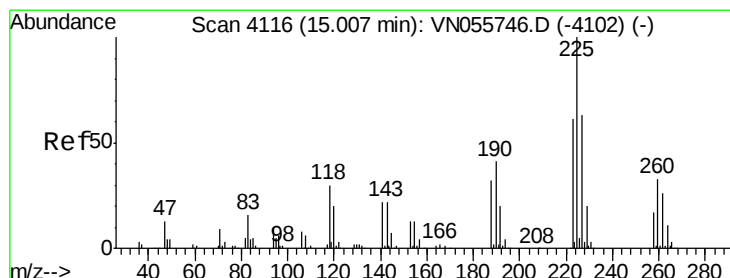
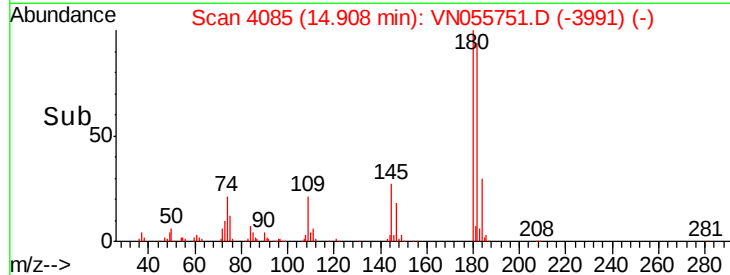
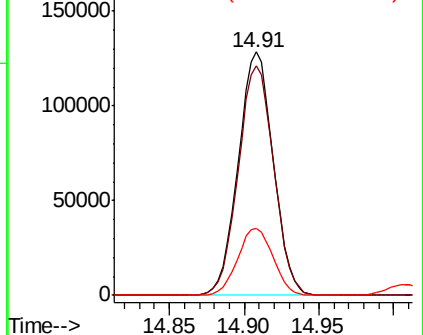
#93
 1,2,4-Trichlorobenzene
 Concen: 48.116 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055751.D
 Acq: 23 May 2019 14:03

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN052319

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	48.3	144.9
145	28.0	14.0	41.9

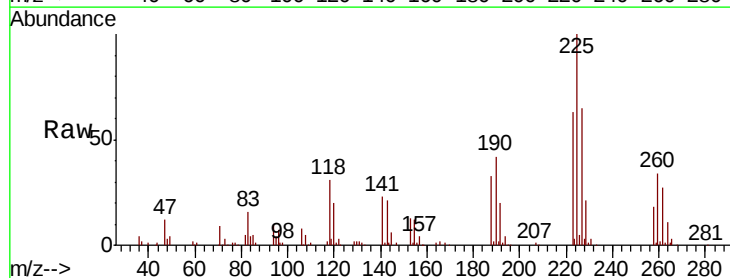


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

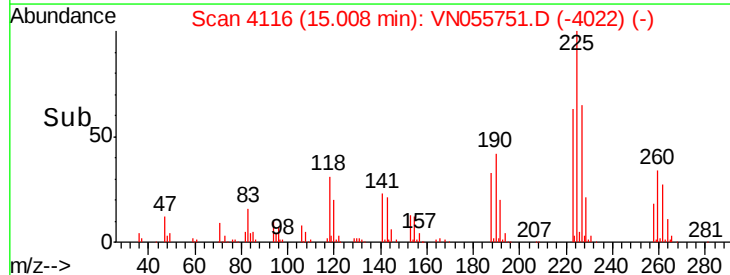
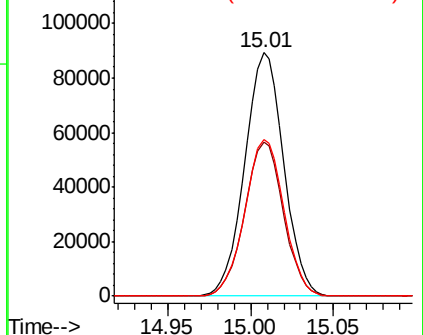


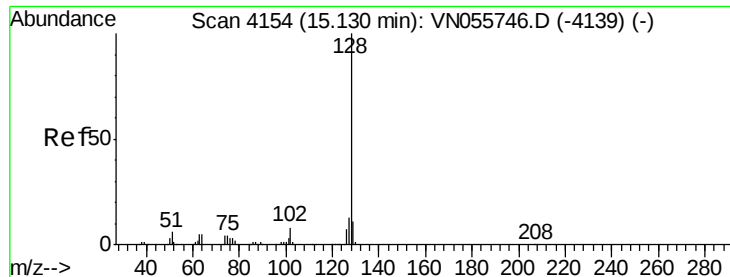
#94
 Hexachlorobutadiene
 Concen: 54.881 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055751.D
 Acq: 23 May 2019 14:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	30.9	92.7
227	64.5	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: 51.234 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055751.D

Acq: 23 May 2019 14:03

Instrument :

MSVOA_N

ClientSampleId :

ICVVN052319

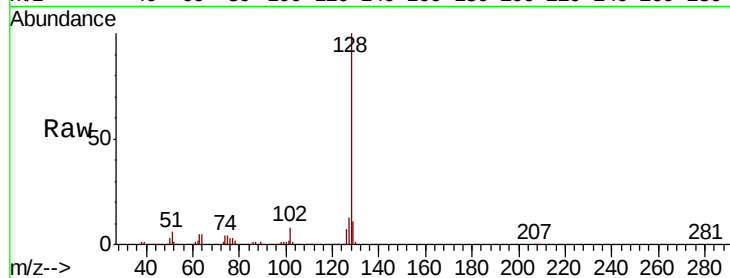
Tot Ion:128 Resp: 533310

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

129 10.9 8.7 13.1

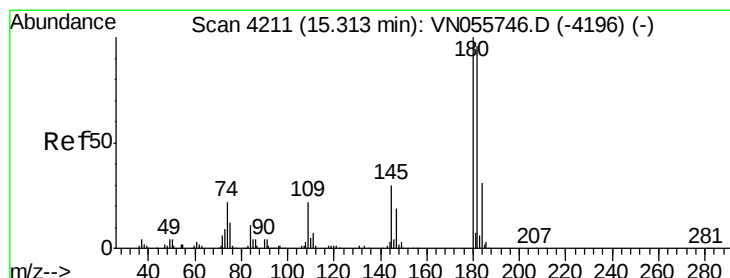
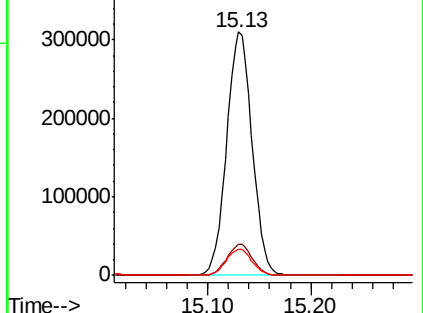
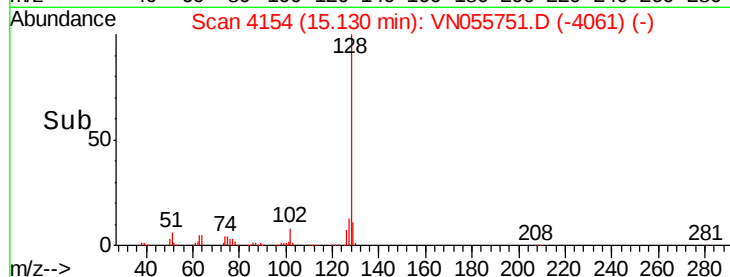


Abundance

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: 52.869 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055751.D

Acq: 23 May 2019 14:03

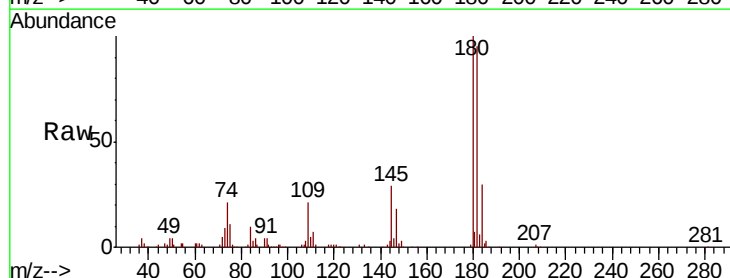
Tgt Ion:180 Resp: 211998

Ion Ratio Lower Upper

180 100

182 95.7 47.9 143.7

145 29.4 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

