

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052319\
 Data File : VN055764.D
 Acq On : 23 May 2019 19:42
 Operator : JC/SP
 Sample : VN0523WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 24 06:51:01 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	377787	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	537731	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	472738	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	203415	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	193584	49.62	ug/l	0.00
Spiked Amount			Recovery	=	99.24%	
35) Dibromofluoromethane	7.59	113	172574	50.76	ug/l	0.00
Spiked Amount			Recovery	=	101.52%	
50) Toluene-d8	10.09	98	651940	49.99	ug/l	0.00
Spiked Amount			Recovery	=	99.98%	
62) 4-Bromofluorobenzene	12.40	95	215263	48.14	ug/l	0.00
Spiked Amount			Recovery	=	96.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	45784	18.007	ug/l	100
3) Chloromethane	2.06	50	65361	18.348	ug/l	99
4) Vinyl Chloride	2.19	62	71663	18.861	ug/l	98
5) Bromomethane	2.54	94	49872	20.980	ug/l	98
6) Chloroethane	2.69	64	45185	19.752	ug/l	100
7) Trichlorofluoromethane	3.01	101	96493	19.371	ug/l	100
8) Diethyl Ether	3.40	74	42833	19.185	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	59100	19.006	ug/l	98
10) Methyl Iodide	3.94	142	89819	19.757	ug/l	99
11) Tert butyl alcohol	4.81	59	80190	107.574	ug/l	99
12) 1,1-Dichloroethene	3.72	96	62251	19.375	ug/l	97
13) Acrolein	3.60	56	46991	88.036	ug/l	99
14) Allyl chloride	4.31	41	102689	18.644	ug/l	99
15) Acrylonitrile	4.99	53	165702	96.804	ug/l	100
16) Acetone	3.82	43	138538	80.780	ug/l	100
17) Carbon Disulfide	4.04	76	165232	18.101	ug/l	100
18) Methyl Acetate	4.33	43	70141	19.342	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	207331	19.348	ug/l	98
20) Methylene Chloride	4.55	84	69896	18.819	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	65586	19.001	ug/l	95
22) Diisopropyl ether	5.96	45	202366	18.890	ug/l	99
23) Vinyl Acetate	5.90	43	880635	95.877	ug/l	99
24) 1,1-Dichloroethane	5.84	63	117654	18.863	ug/l	100
25) 2-Butanone	6.84	43	216669	90.462	ug/l	98
26) 2,2-Dichloropropane	6.82	77	90316	16.731	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	79226	19.673	ug/l	97
28) Bromochloromethane	7.19	49	60234	20.283	ug/l	96
29) Tetrahydrofuran	7.22	42	147250	97.081	ug/l	99
30) Chloroform	7.37	83	120373	19.351	ug/l	98
31) Cyclohexane	7.65	56	111495	19.039	ug/l	# 93
32) 1,1,1-Trichloroethane	7.57	97	108520	19.550	ug/l	99
36) 1,1-Dichloropropene	7.79	75	87299	18.629	ug/l	99
37) Ethyl Acetate	6.93	43	90903	20.071	ug/l	98
38) Carbon Tetrachloride	7.77	117	95854	19.637	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	108363	18.674	ug/l	98
40) Benzene	8.04	78	278142	19.694	ug/l	99
41) Methacrylonitrile	7.18	41	41140	17.980	ug/l	95
42) 1,2-Dichloroethane	8.12	62	91078	19.736	ug/l	100
43) Isopropyl Acetate	8.17	43	147029	19.321	ug/l #	92
44) Trichloroethene	8.83	130	80452	20.434	ug/l	98
45) 1,2-Dichloropropane	9.12	63	72296	19.648	ug/l	99
46) Dibromomethane	9.21	93	47857	19.832	ug/l	95
47) Bromodichloromethane	9.40	83	96382	19.478	ug/l	99
48) Methyl methacrylate	9.20	41	70990	20.242	ug/l	99
49) 1,4-Dioxane	9.20	88	30575	419.519	ug/l	91
51) 4-Methyl-2-Pentanone	9.99	43	445938	99.223	ug/l	100
52) Toluene	10.16	92	175525	19.761	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	98423	18.634	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	111963	19.135	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	69603	19.560	ug/l	98
56) Ethyl methacrylate	10.43	69	107910	19.622	ug/l	100
57) 1,3-Dichloropropane	10.71	76	112820	19.505	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	199972	95.151	ug/l	99
59) 2-Hexanone	10.75	43	306620	96.171	ug/l	99
60) Dibromochloromethane	10.90	129	83537	20.152	ug/l	99
61) 1,2-Dibromoethane	11.01	107	73434	19.896	ug/l	99
64) Tetrachloroethene	10.63	164	82205	20.617	ug/l	99
65) Chlorobenzene	11.43	112	190089	20.086	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	75639	20.040	ug/l	100
67) Ethyl Benzene	11.51	91	330328	19.464	ug/l	98
68) m/p-Xylenes	11.62	106	253907	39.575	ug/l	100
69) o-Xylene	11.95	106	126841	19.927	ug/l	100
70) Styrene	11.96	104	204726	19.860	ug/l	100
71) Bromoform	12.13	173	64377	19.996	ug/l #	99
73) Isopropylbenzene	12.25	105	333583	21.536	ug/l	99
74) N-amyl acetate	12.07	43	117078	19.882	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	97902	20.919	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	117847	32.546	ug/l #	100
77) Bromobenzene	12.53	156	87741	20.214	ug/l	97
78) n-propylbenzene	12.59	91	343263	19.416	ug/l	99
79) 2-Chlorotoluene	12.67	91	213725	20.963	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	274640	21.068	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	27388	18.116	ug/l	96
82) 4-Chlorotoluene	12.77	91	201001	19.341	ug/l	100
83) tert-Butylbenzene	12.99	119	243331	21.381	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	269942	20.834	ug/l	99
85) sec-Butylbenzene	13.17	105	305497	20.937	ug/l	98
86) p-Isopropyltoluene	13.29	119	280283	19.841	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	136341	19.837	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	128753	19.703	ug/l	99
89) n-Butylbenzene	13.61	91	201399	18.607	ug/l	99
90) Hexachloroethane	13.87	117	52691	19.596	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	137392	20.036	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	16973	18.832	ug/l	91

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Quant Title : SW846 8260
QLast Update : Fri May 24 06:41:54 2019
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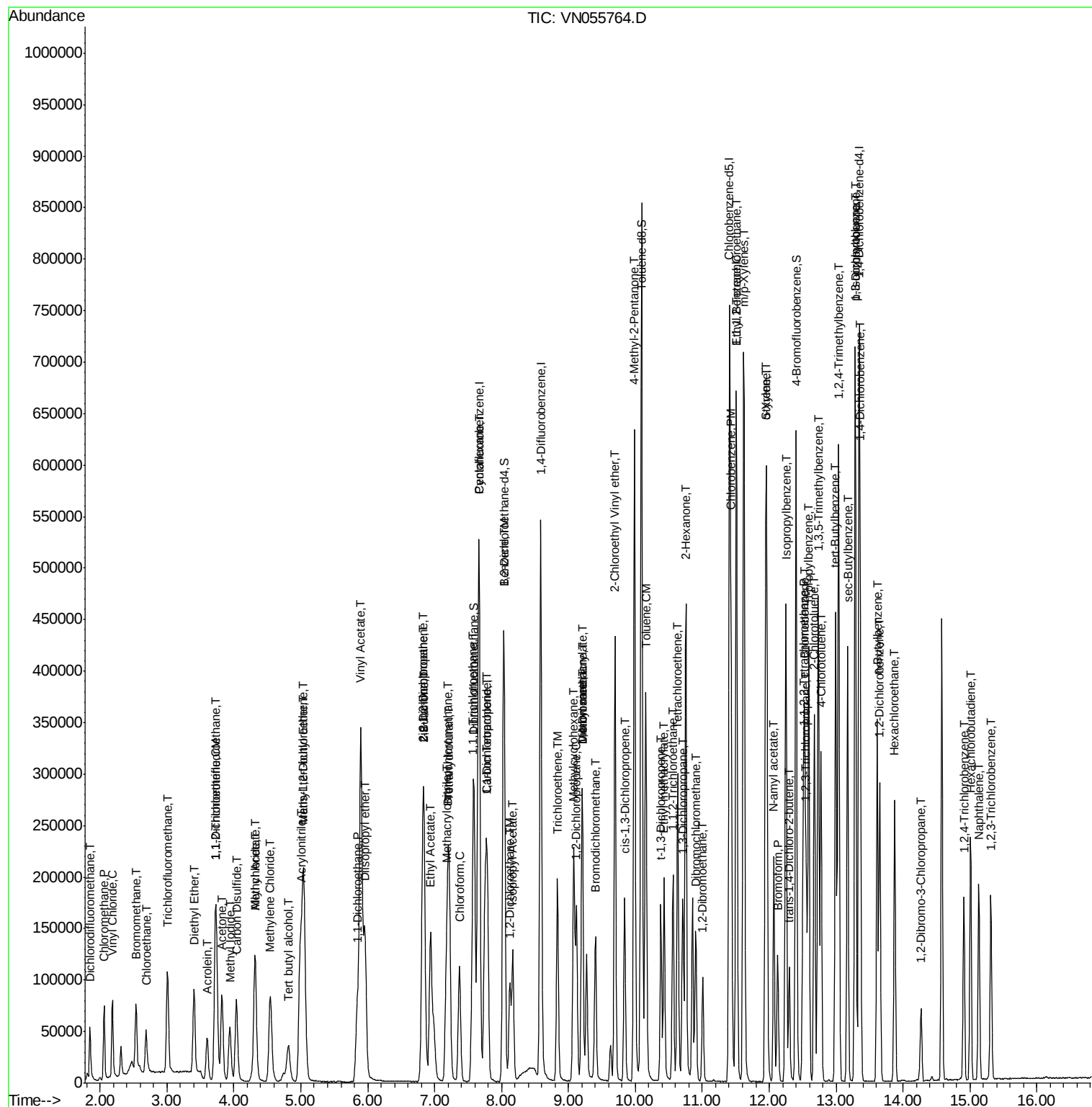
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	64318	18.753	ug/l	99
94) Hexachlorobutadiene	15.01	225	55069	21.788	ug/l	99
95) Naphthalene	15.13	128	175942	18.698	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	70084	19.334	ug/l	98

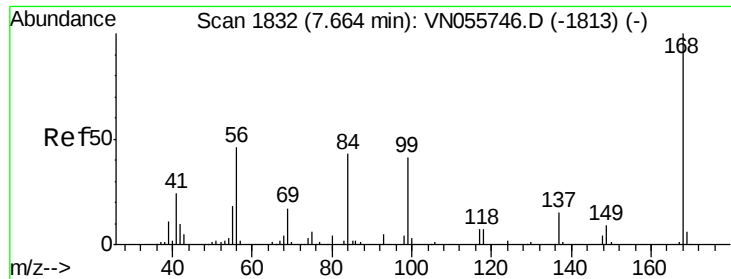
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN052319\
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Quant Title : SW846 8260
QLast Update : Fri May 24 06:41:54 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

Instrument :

MSVOA_N

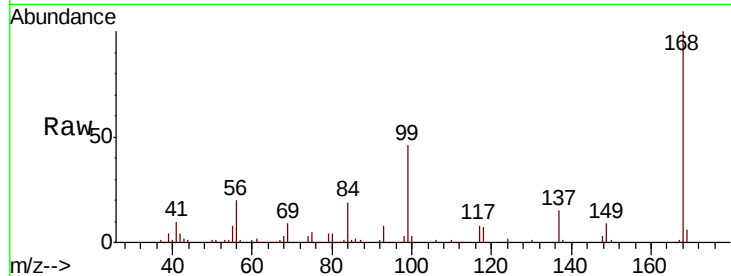
ClientSampled :

Tot Ion:168 Resp: 377787

Ion Ratio Lower Upper

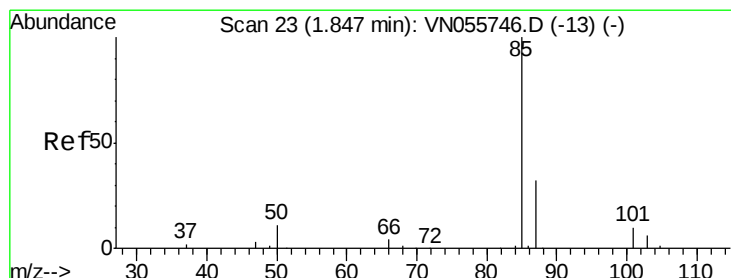
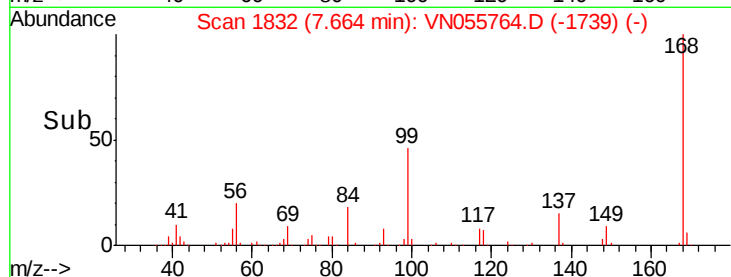
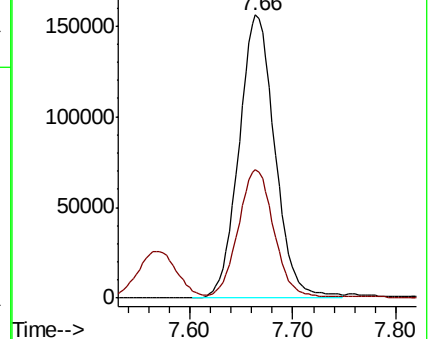
168 100

99 44.9 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 18.007 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055764.D

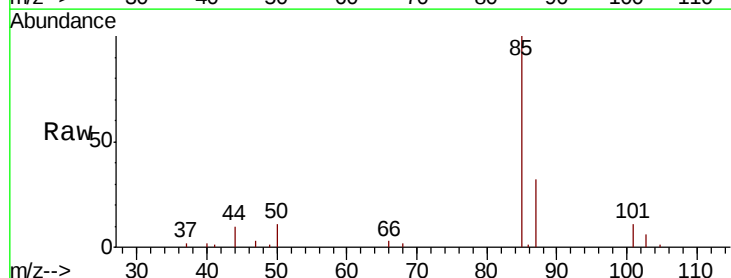
Acq: 23 May 2019 19:42

Tgt Ion: 85 Resp: 45784

Ion Ratio Lower Upper

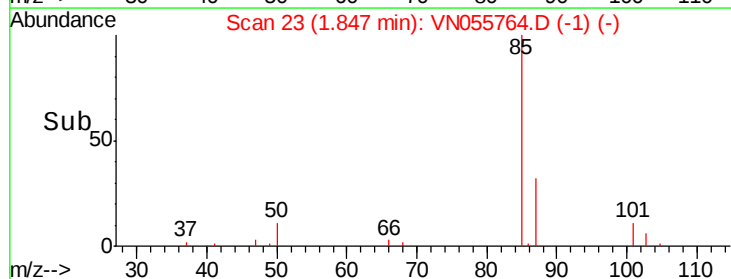
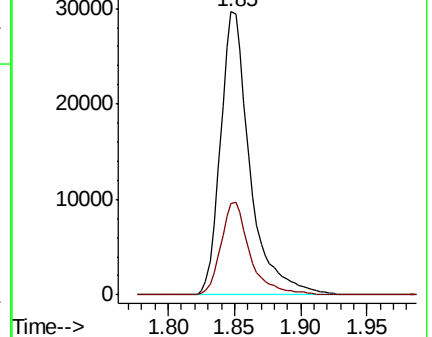
85 100

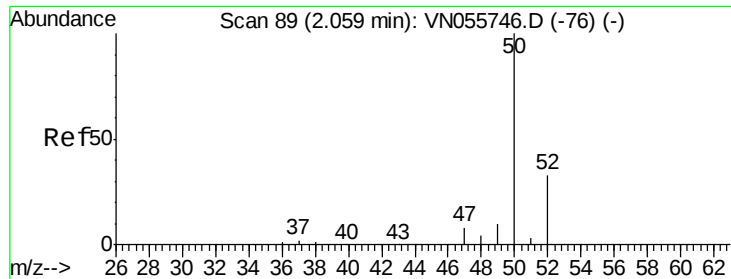
87 32.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 18.348 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

Instrument :

MSVOA_N

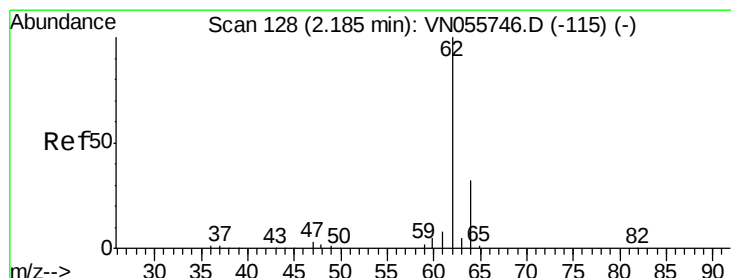
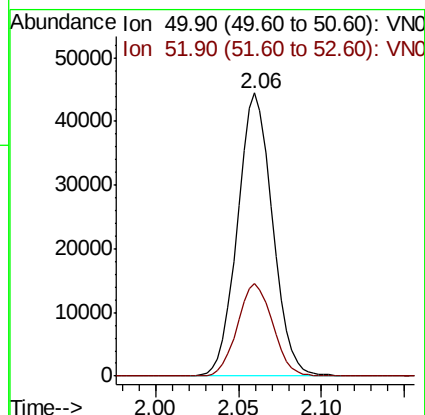
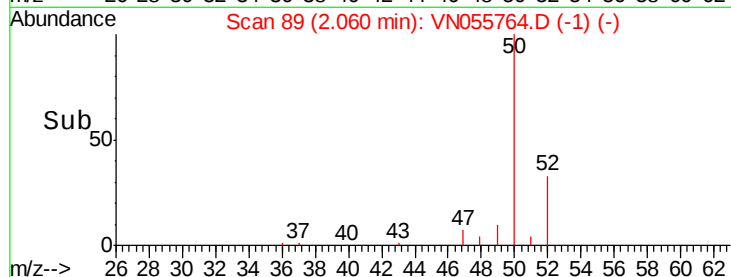
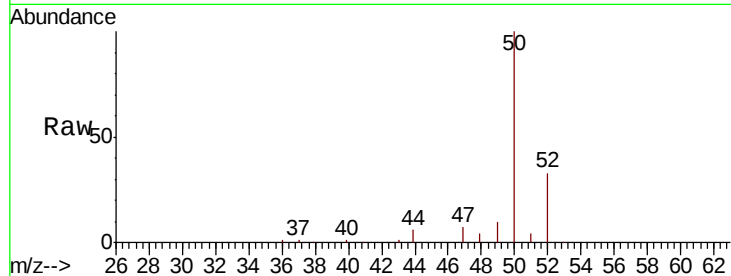
ClientSampleId :

Tot Ion: 50 Resp: 65361

Ion Ratio Lower Upper

50 100

52 32.5 26.6 40.0



#4

Vinyl Chloride

Concen: 18.861 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN055764.D

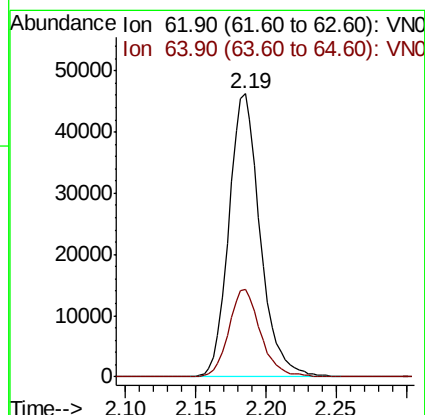
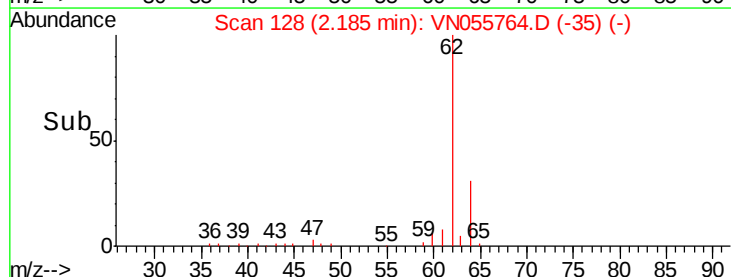
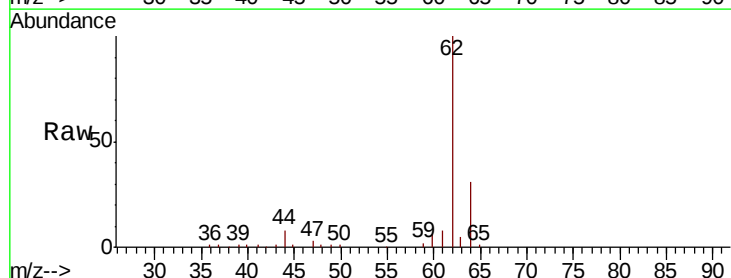
Acq: 23 May 2019 19:42

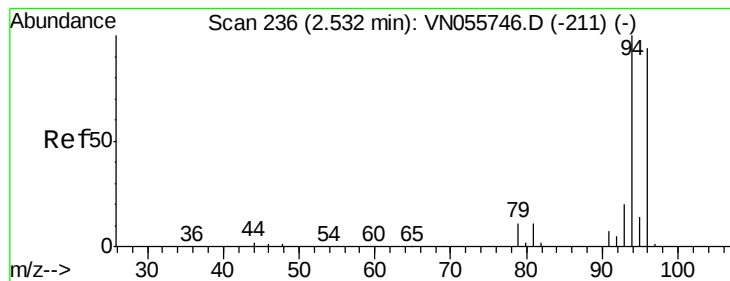
Tgt Ion: 62 Resp: 71663

Ion Ratio Lower Upper

62 100

64 31.0 25.6 38.4





#5

Bromomethane

Concen: 20.980 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.01 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

Instrument :

MSVOA_N

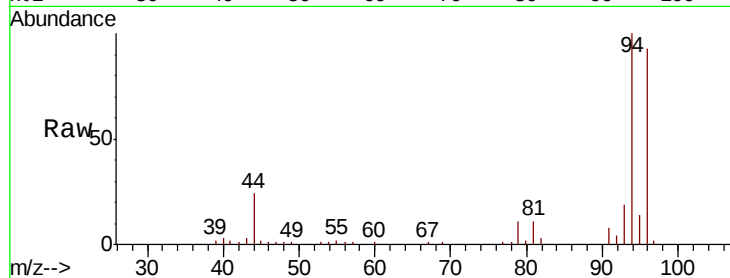
ClientSampled :

Tot Ion: 94 Resp: 49872

Ion Ratio Lower Upper

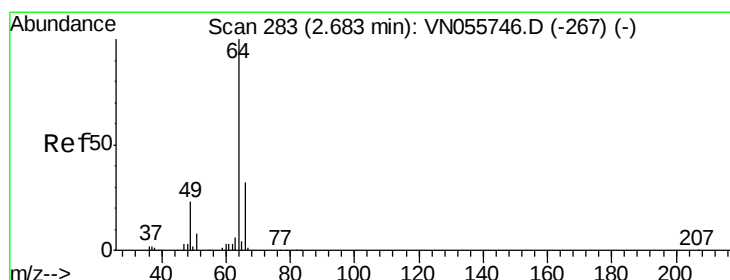
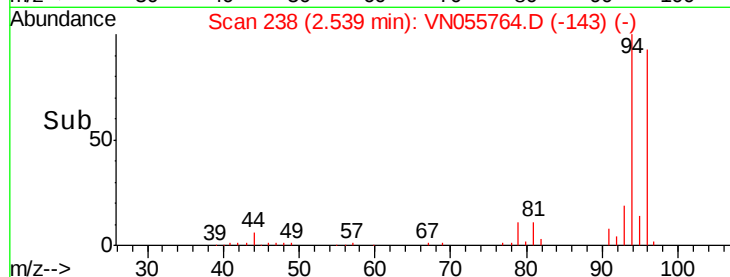
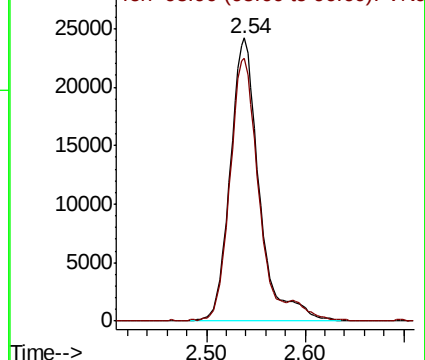
94 100

96 92.1 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: 19.752 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN055764.D

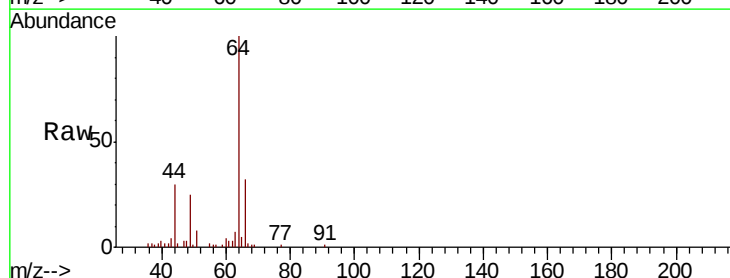
Acq: 23 May 2019 19:42

Tgt Ion: 64 Resp: 45185

Ion Ratio Lower Upper

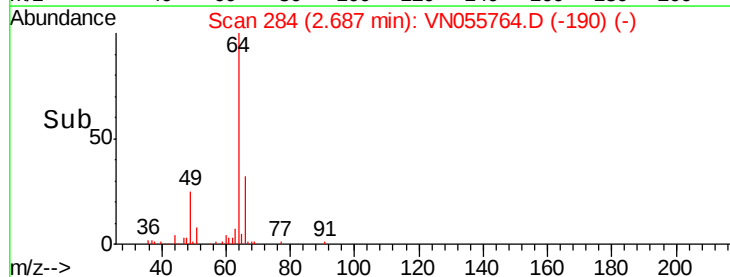
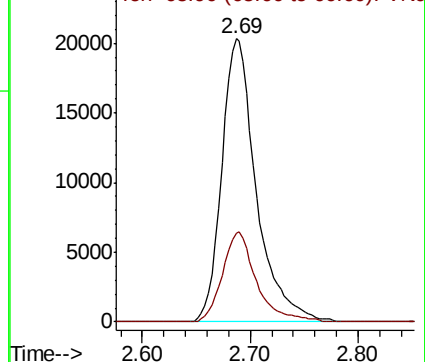
64 100

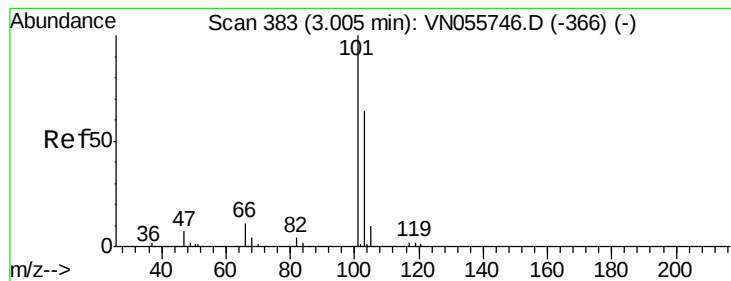
66 31.5 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



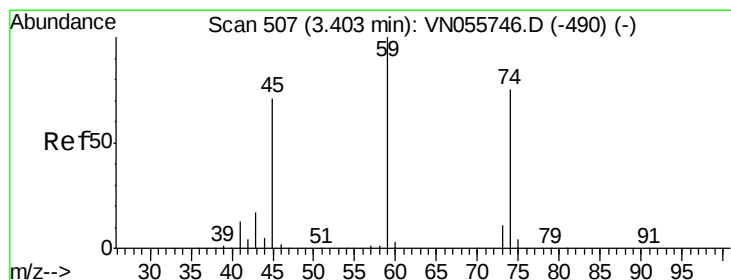
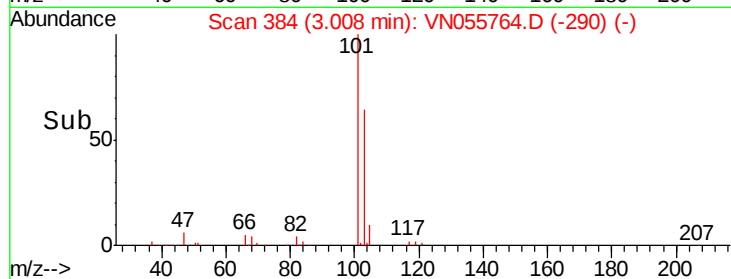
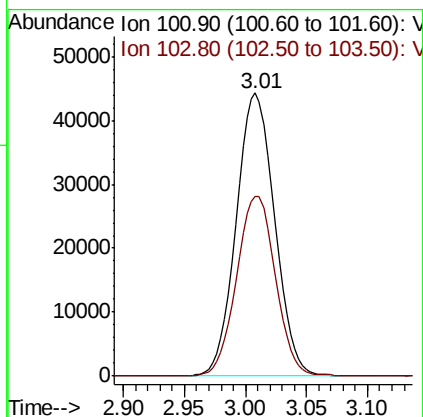
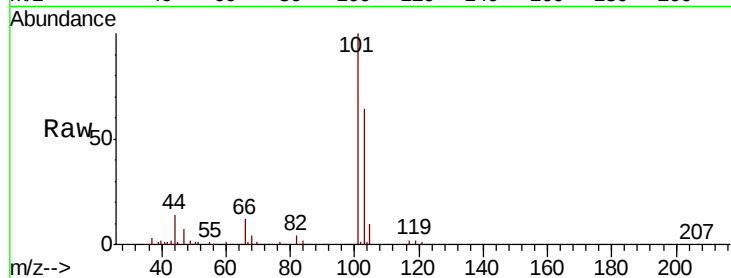


#7

Trichlorofluoromethane
 Concen: 19.371 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. 0.00 min
 Lab File: VN055764.D
 Acq: 23 May 2019 19:42

Instrument :
 MSVOA_N
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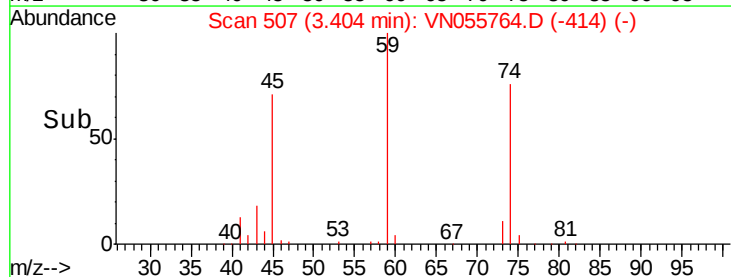
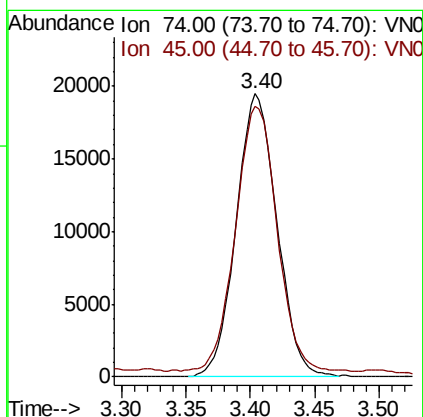
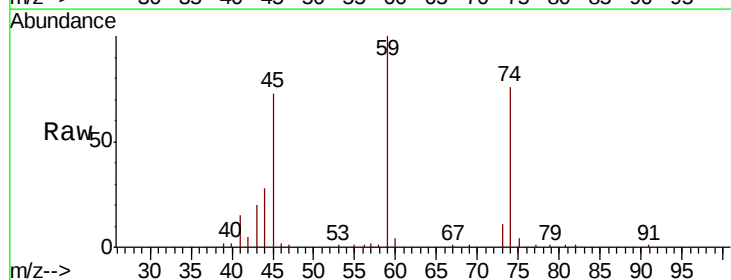
Tot Ion:101 Resp: 96493
 Ion Ratio Lower Upper
 101 100
 103 63.6 51.2 76.8

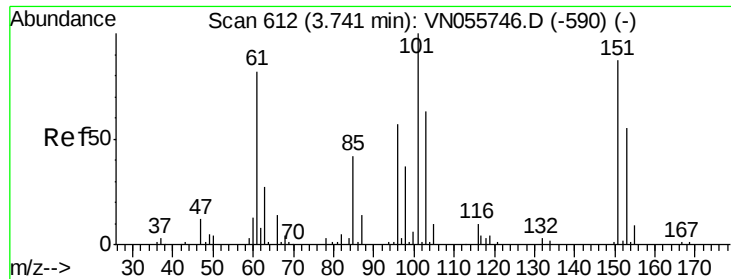


#8

Diethyl Ether
 Concen: 19.185 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN055764.D
 Acq: 23 May 2019 19:42

Tgt Ion: 74 Resp: 42833
 Ion Ratio Lower Upper
 74 100
 45 95.0 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.006 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

Instrument :

MSVOA_N

ClientSampled :

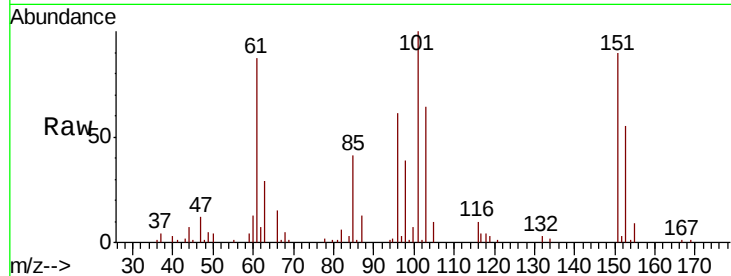
Tot Ion:101 Resp: 59100

Ion Ratio Lower Upper

101 100

85 41.5 33.4 50.2

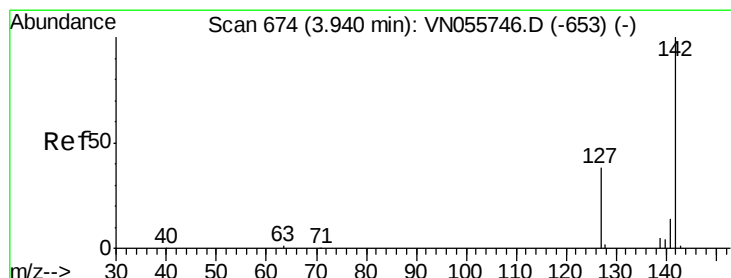
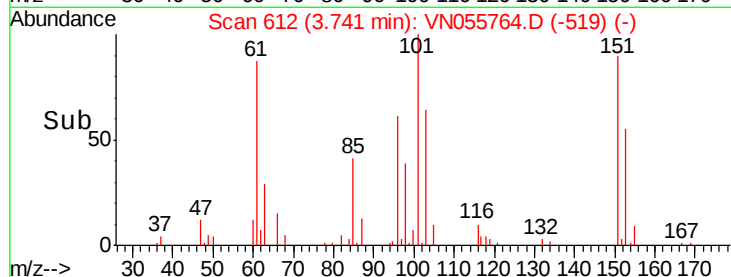
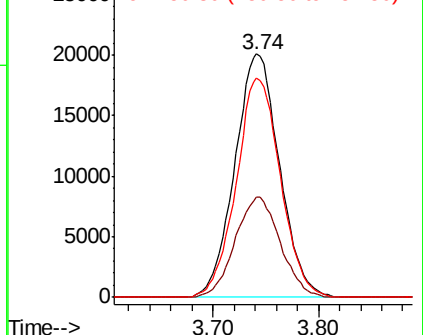
151 89.0 69.4 104.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.757 ug/l

RT: 3.94 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

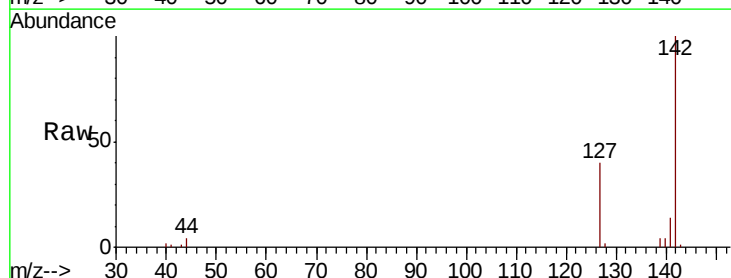
Tgt Ion:142 Resp: 89819

Ion Ratio Lower Upper

142 100

127 39.4 31.0 46.4

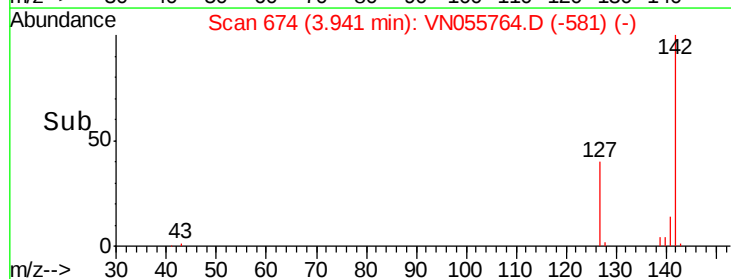
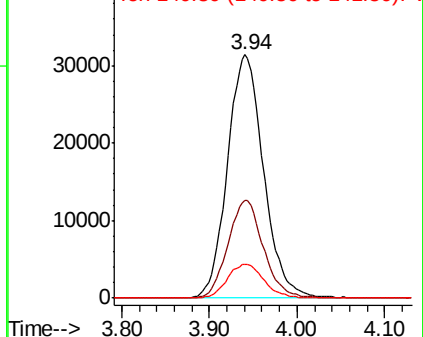
141 14.0 11.4 17.0

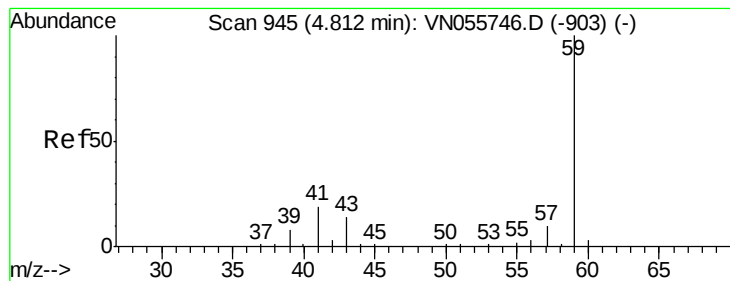


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



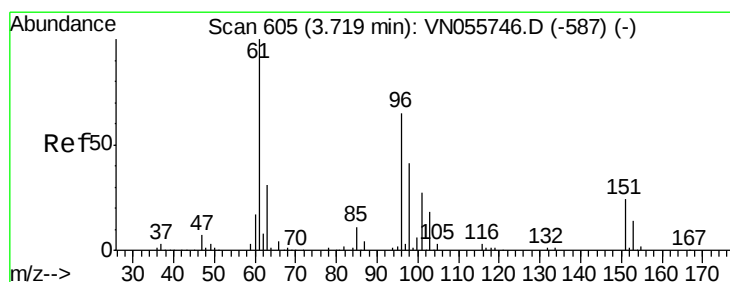
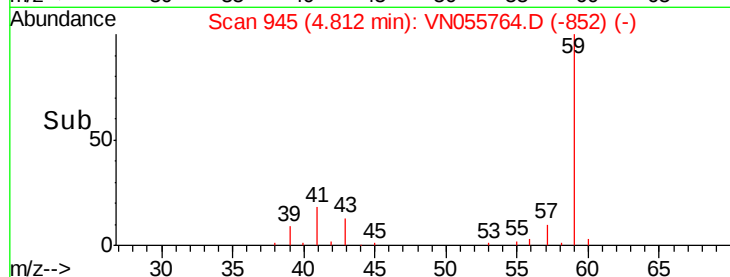
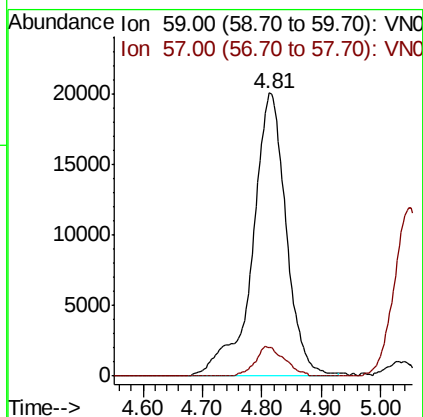
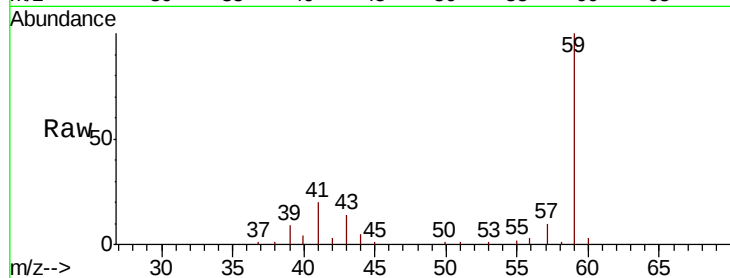


#11

Tert butyl alcohol
 Concen: 107.574 ug/l
 RT: 4.81 min Scan# 945
 Delta R.T. 0.00 min
 Lab File: VN055764.D
 Acq: 23 May 2019 19:42

Instrument :
 MSVOA_N
 ClientSampled :

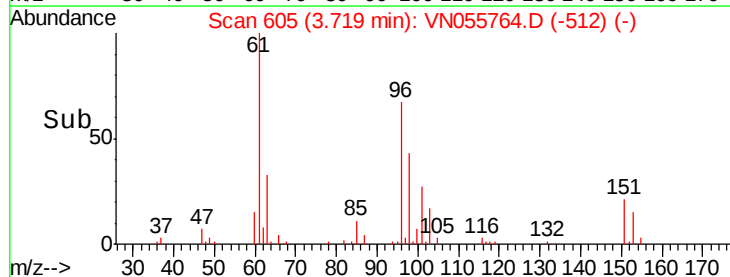
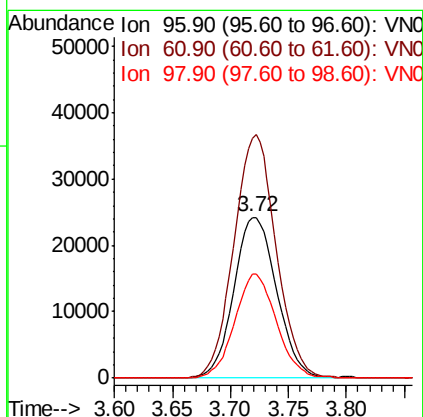
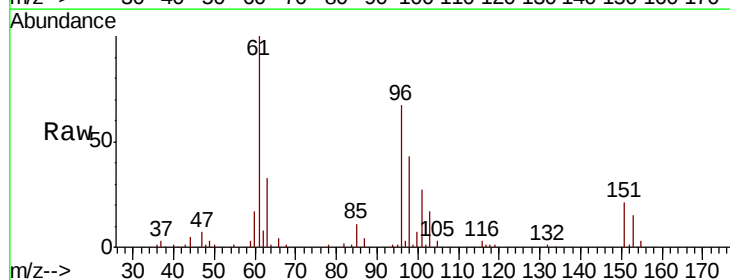
Tot Ion: 59 Resp: 80190
 Ion Ratio Lower Upper
 59 100
 57 9.2 7.8 11.6

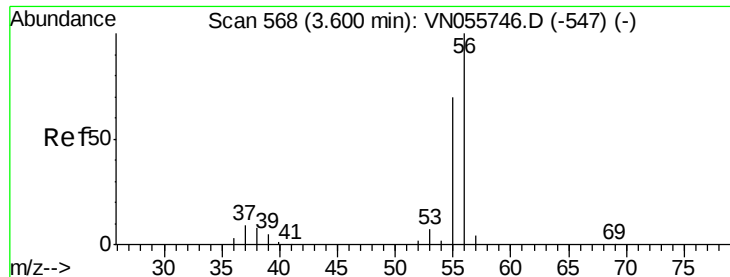


#12

1,1-Dichloroethene
 Concen: 19.375 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN055764.D
 Acq: 23 May 2019 19:42

Tgt Ion: 96 Resp: 62251
 Ion Ratio Lower Upper
 96 100
 61 149.2 123.2 184.8
 98 64.5 50.4 75.6





#13

Acrolein

Concen: 88.036 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

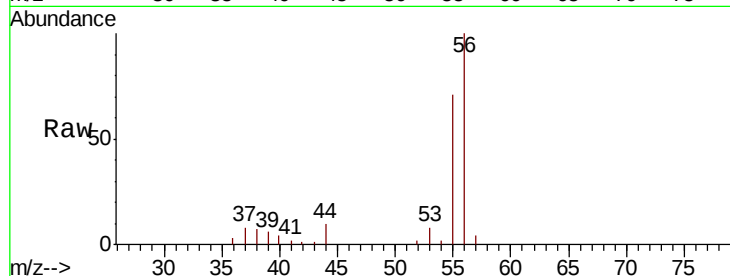
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 46991

Ion Ratio Lower Upper

56 100

55 70.2 55.4 83.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

20000

15000

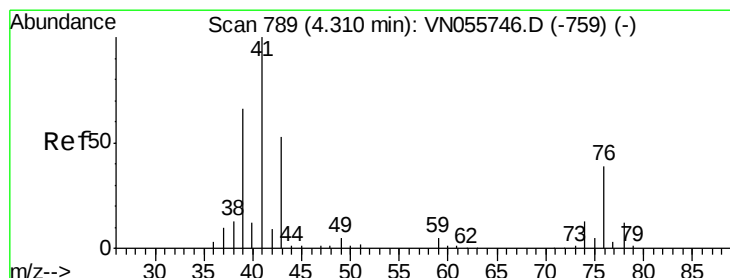
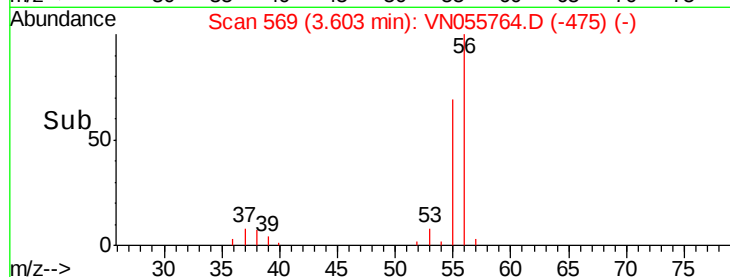
10000

5000

0

3.50 3.55 3.60 3.65 3.70

Time-->



#14

Allyl chloride

Concen: 18.644 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

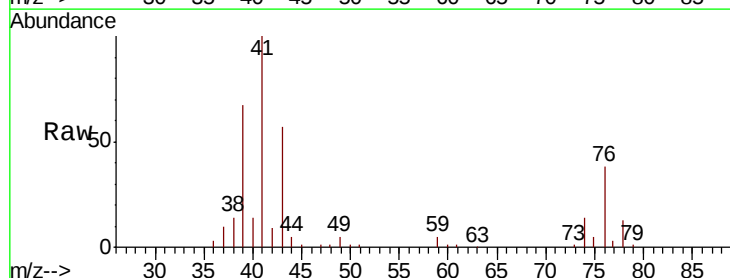
Tgt Ion: 41 Resp: 102689

Ion Ratio Lower Upper

41 100

39 62.4 50.0 75.0

76 34.2 28.2 42.2



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

40000

30000

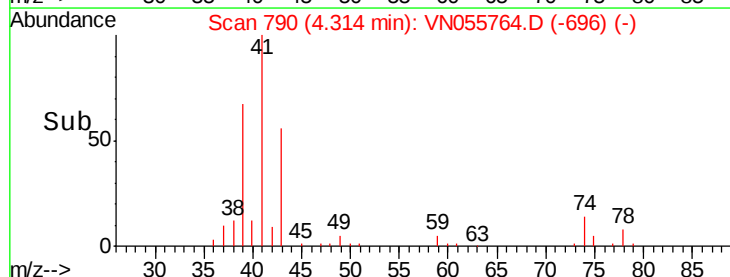
20000

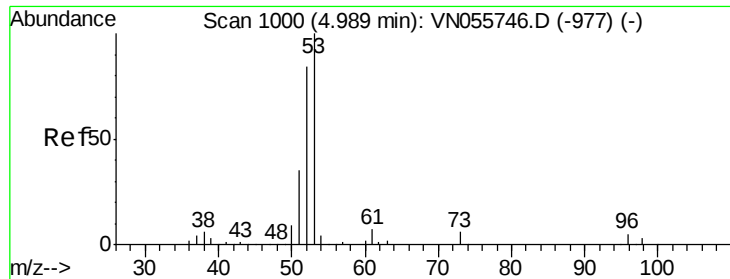
10000

0

4.20 4.30 4.40

Time-->





#15

Acrylonitrile

Concen: 96.804 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

Instrument :

MSVOA_N

ClientSampleId :

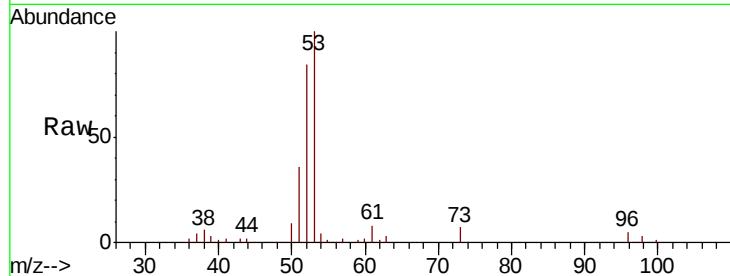
Tot Ion: 53 Resp: 165702

Ion Ratio Lower Upper

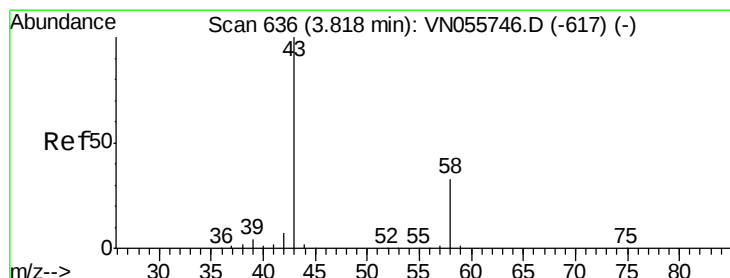
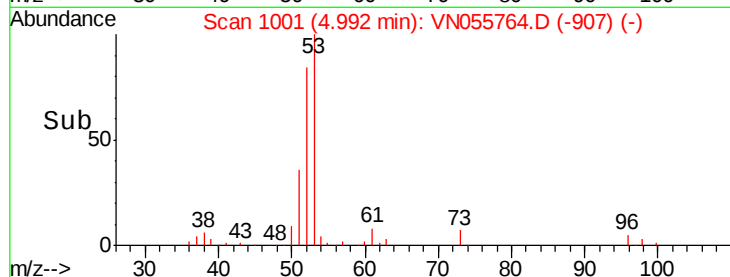
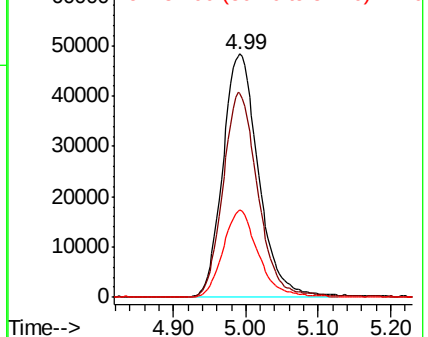
53 100

52 82.2 65.8 98.8

51 35.3 28.2 42.4



Abundance Ion 53.00 (52.70 to 53.70): VN0
Ion 52.00 (51.70 to 52.70): VN0
Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 80.780 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN055764.D

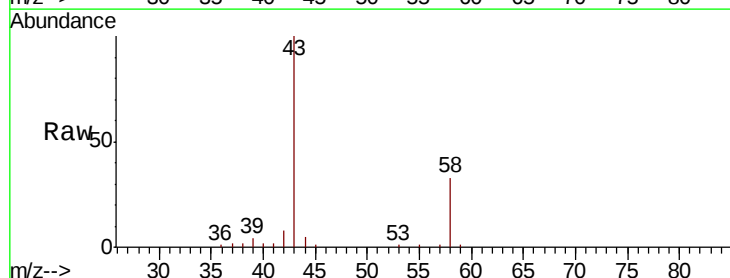
Acq: 23 May 2019 19:42

Tgt Ion: 43 Resp: 138538

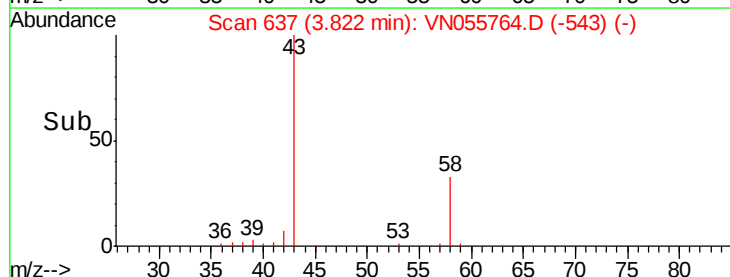
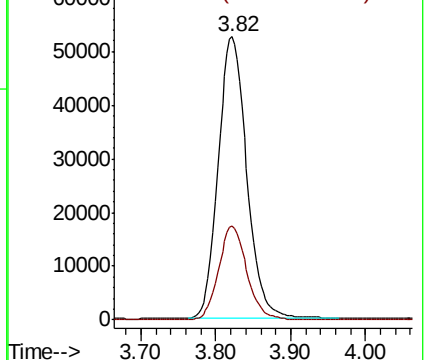
Ion Ratio Lower Upper

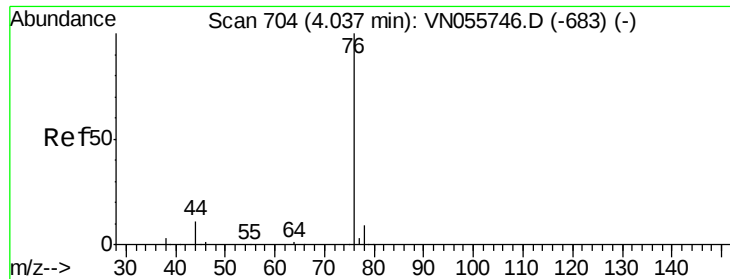
43 100

58 33.3 26.6 39.8



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

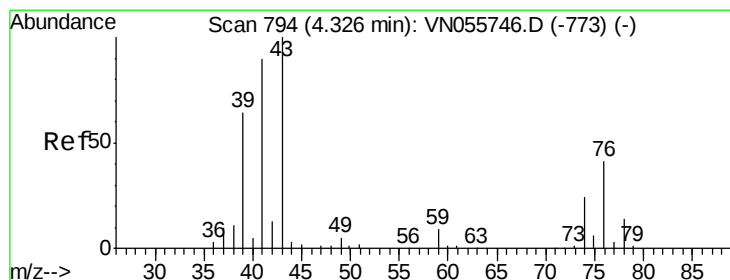
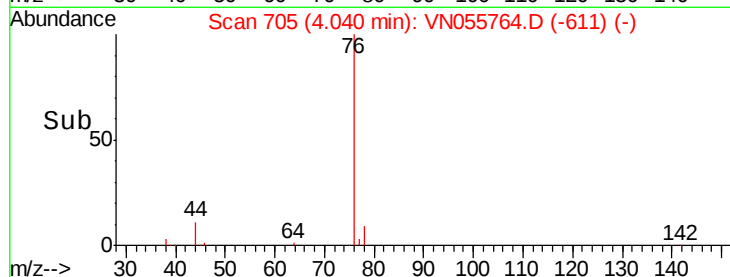
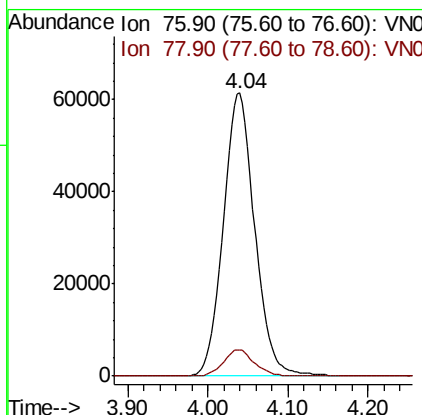
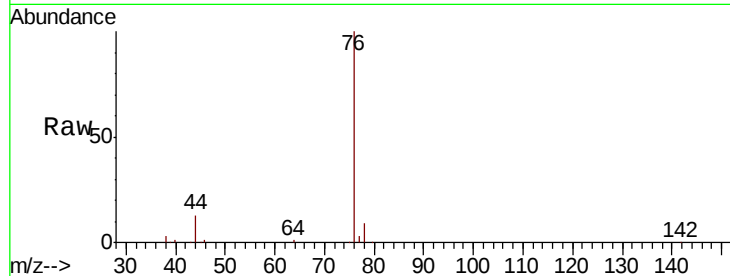




#17
Carbon Disulfide
Concen: 18.101 ug/l
RT: 4.04 min Scan# 705
Delta R.T. 0.00 min
Lab File: VN055764.D
Acq: 23 May 2019 19:42

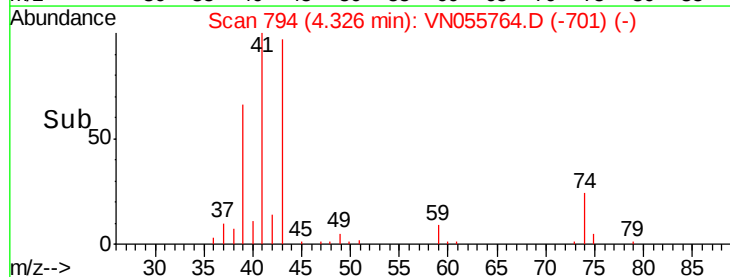
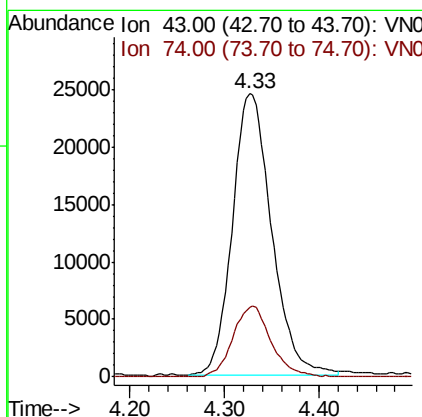
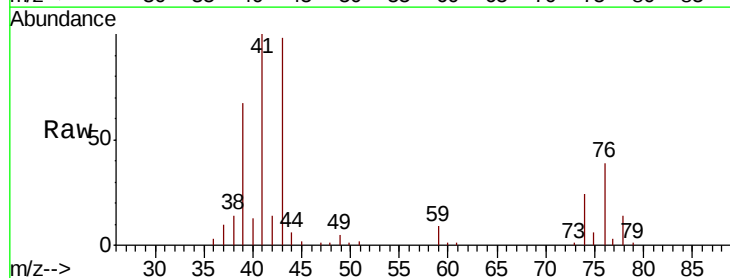
Instrument :
MSVOA_N
ClientSampleId :

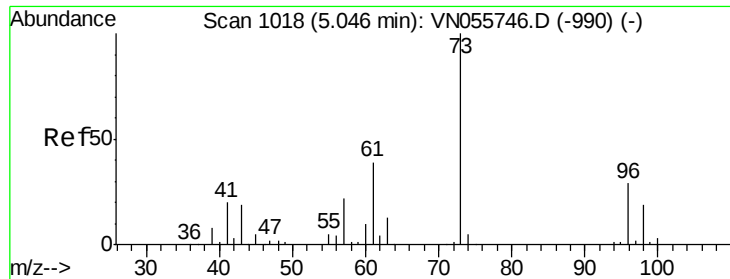
Tot Ion: 76 Resp: 165232
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.2



#18
Methyl Acetate
Concen: 19.342 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055764.D
Acq: 23 May 2019 19:42

Tgt Ion: 43 Resp: 70141
Ion Ratio Lower Upper
43 100
74 24.5 19.3 28.9

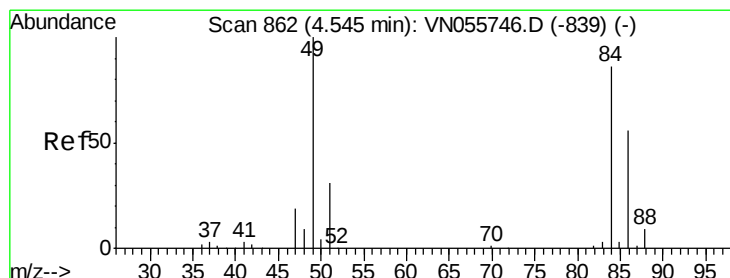
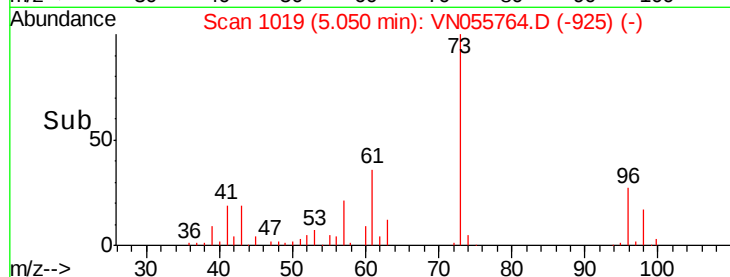
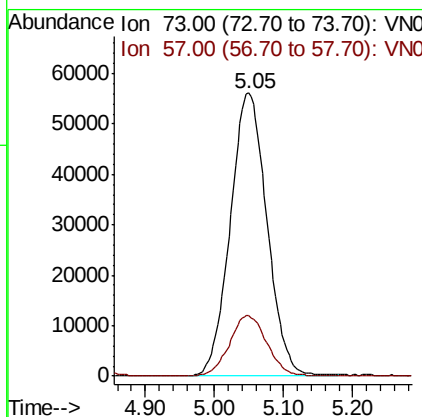
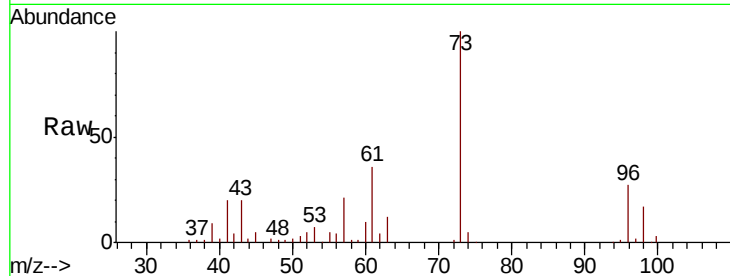




#19
Methyl tert-butyl Ether
Concen: 19.348 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055764.D
Acq: 23 May 2019 19:42

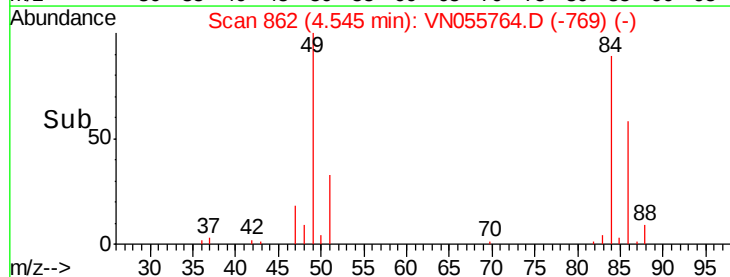
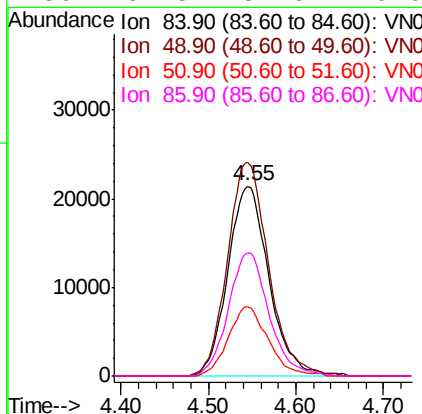
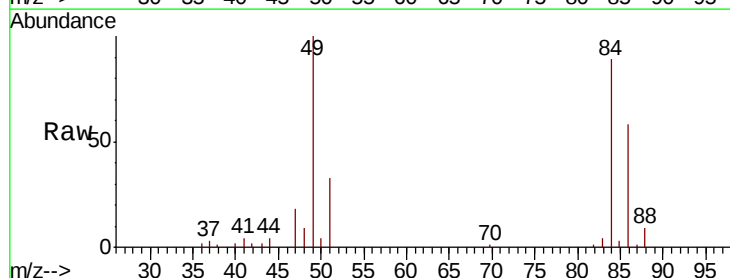
Instrument :
MSVOA_N
ClientSampled :

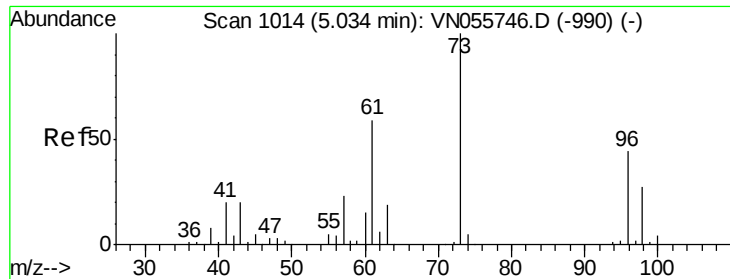
Tot Ion: 73 Resp: 207331
Ion Ratio Lower Upper
73 100
57 21.2 17.8 26.8



#20
Methylene Chloride
Concen: 18.819 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN055764.D
Acq: 23 May 2019 19:42

Tgt Ion: 84 Resp: 69896
Ion Ratio Lower Upper
84 100
49 112.5 93.5 140.3
51 36.6 28.6 43.0
86 64.8 52.6 79.0



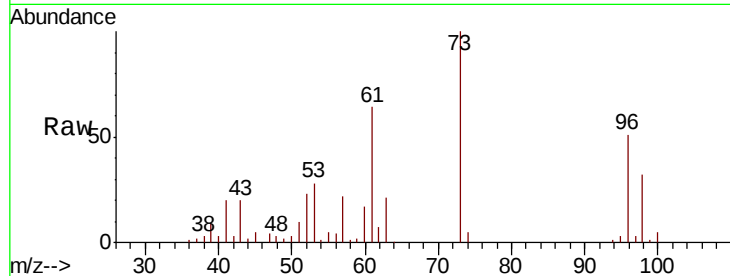


#21

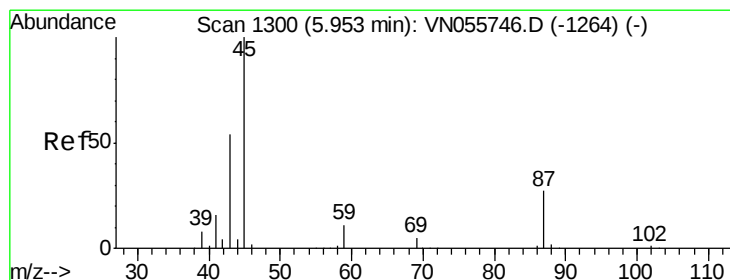
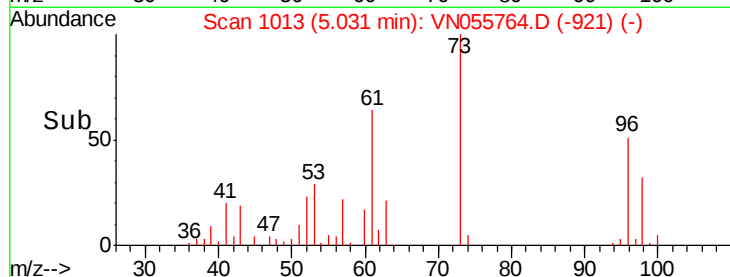
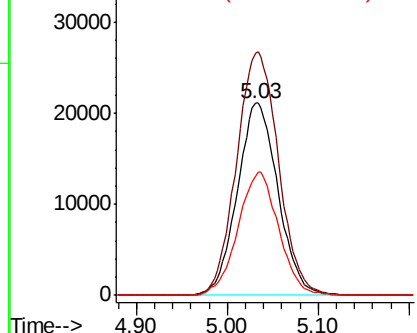
trans-1,2-Dichloroethene
Concen: 19.001 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VN055764.D
Acq: 23 May 2019 19:42

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 65586
Ion Ratio Lower Upper
96 100
61 125.9 107.8 161.8
98 62.3 49.8 74.8



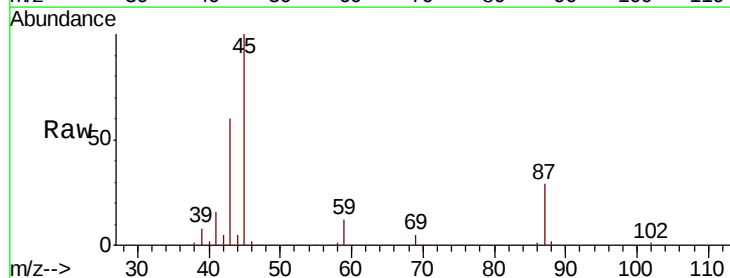
Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



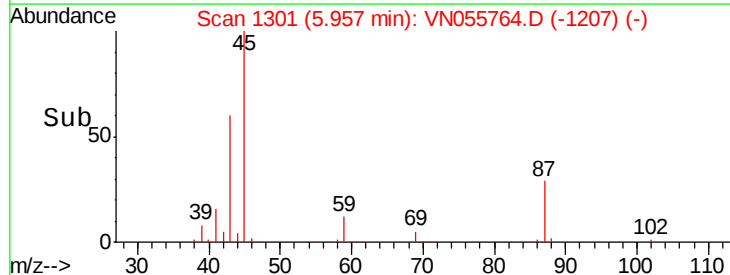
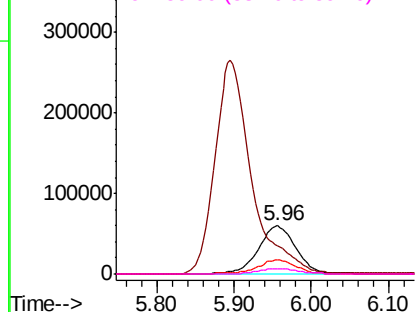
#22

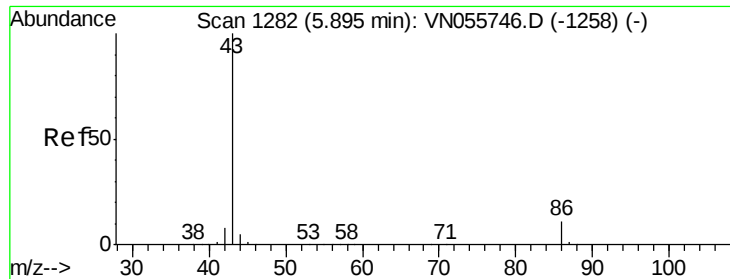
Diisopropyl ether
Concen: 18.890 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN055764.D
Acq: 23 May 2019 19:42

Tgt Ion: 45 Resp: 202366
Ion Ratio Lower Upper
45 100
43 56.9 45.0 67.6
87 28.0 22.2 33.4
59 11.4 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: 95.877 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

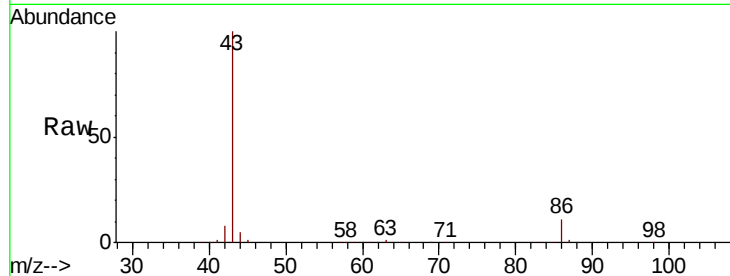
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 880635

Ion Ratio Lower Upper

43 100

86 11.0 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN055764.D (-1258) (-)

Ion 86.00 (85.70 to 86.70): VN055764.D (-1258) (-)

5.90

300000

250000

200000

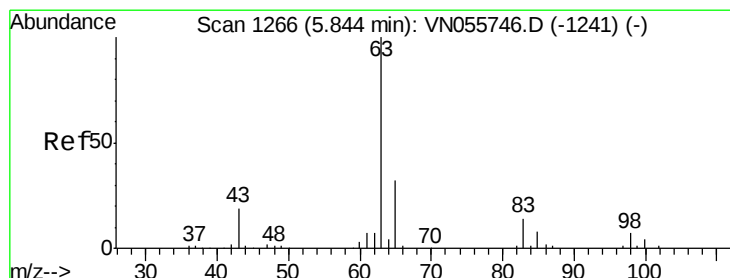
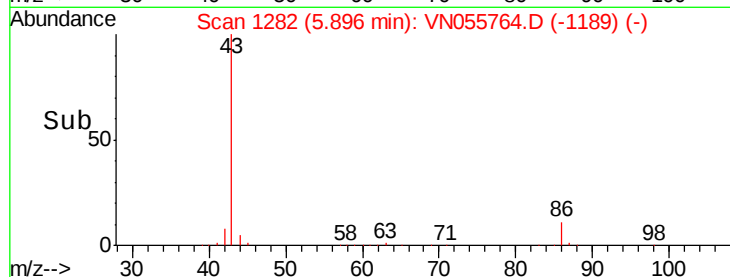
150000

100000

50000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 18.863 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

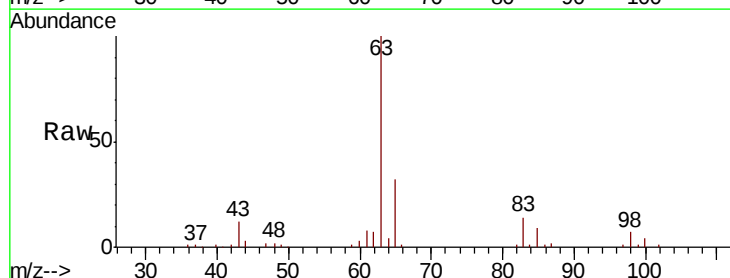
Tgt Ion: 63 Resp: 117654

Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.1

100 4.4 2.2 6.6



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

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

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

5.84

50000

40000

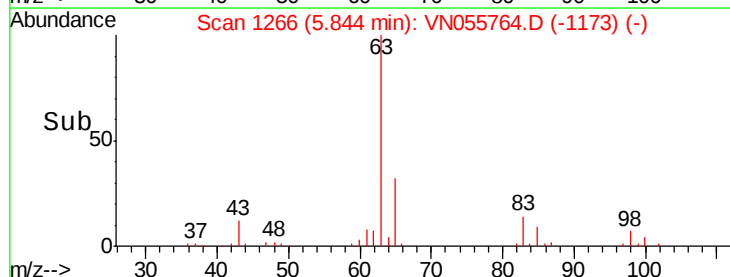
30000

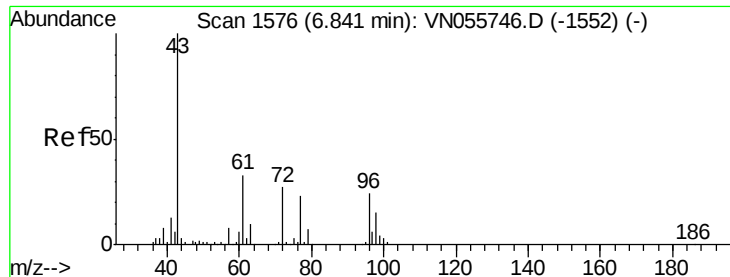
20000

10000

0

Time--> 5.70 5.80 5.90 6.00

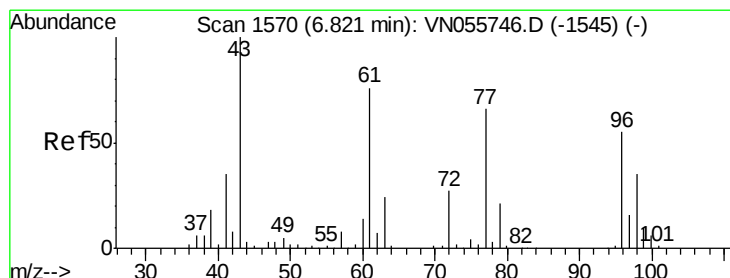
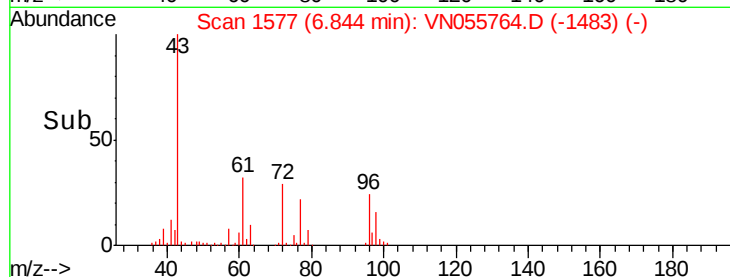
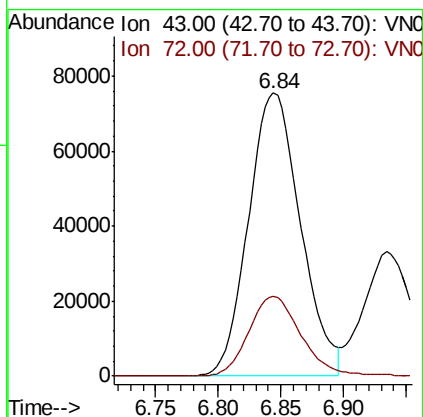
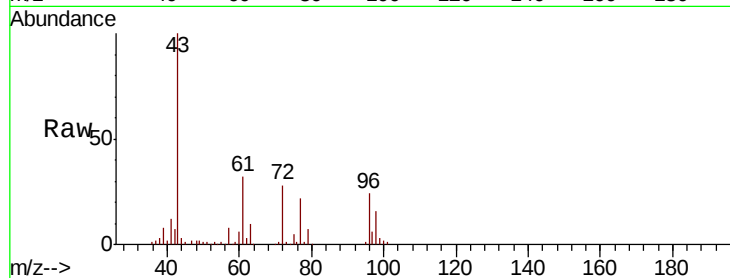




#25
2-Butanone
Concen: 90.462 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN055764.D
Acq: 23 May 2019 19:42

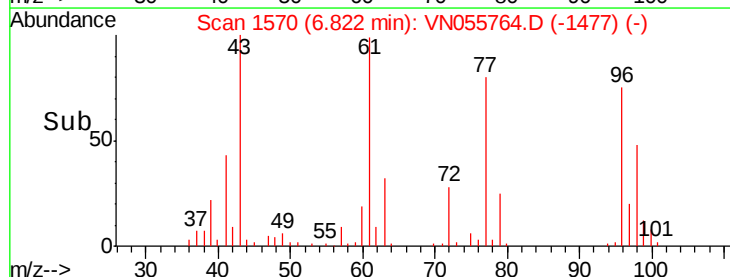
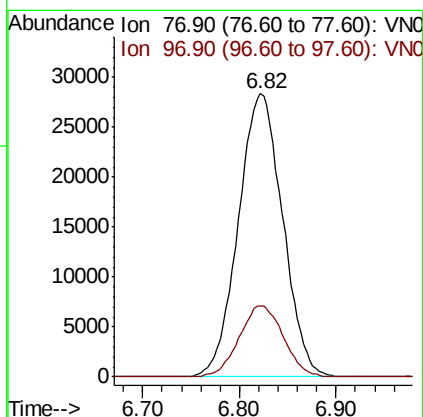
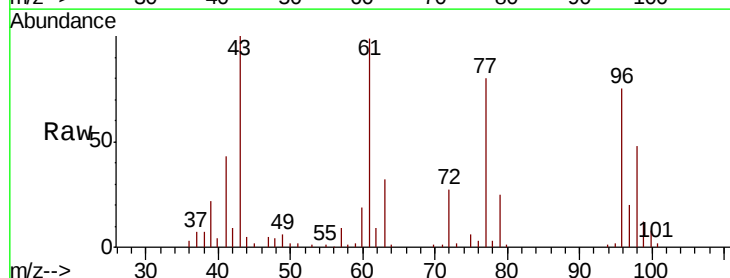
Instrument :
MSVOA_N
ClientSampled :

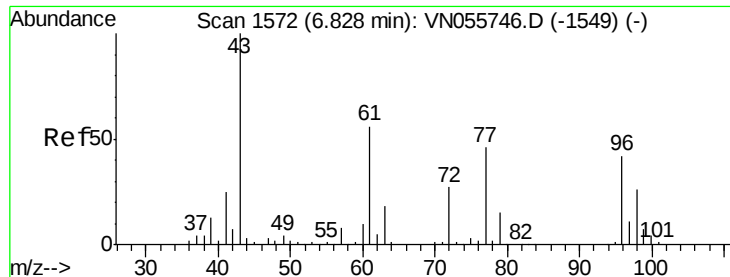
Tot Ion: 43 Resp: 216669
Ion Ratio Lower Upper
43 100
72 28.5 21.9 32.9



#26
2,2-Dichloropropane
Concen: 16.731 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VN055764.D
Acq: 23 May 2019 19:42

Tgt Ion: 77 Resp: 90316
Ion Ratio Lower Upper
77 100
97 25.0 12.2 36.6



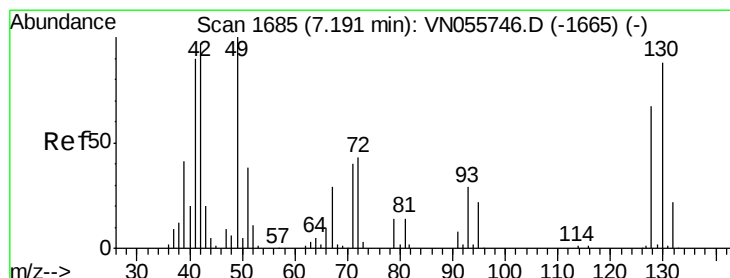
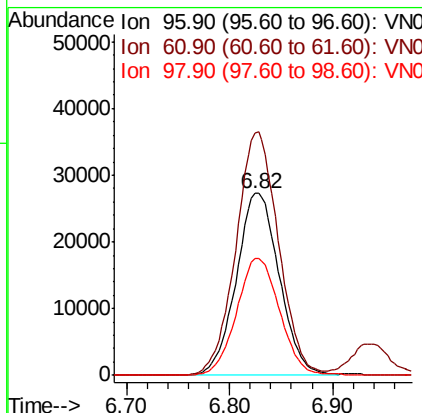
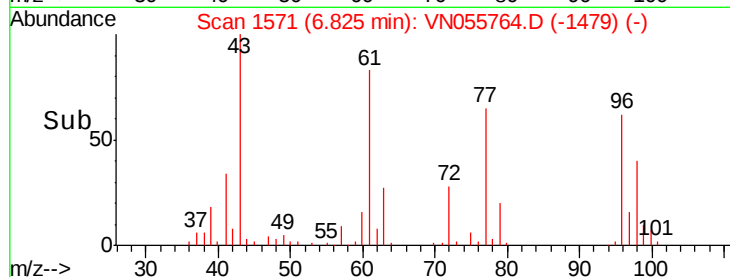
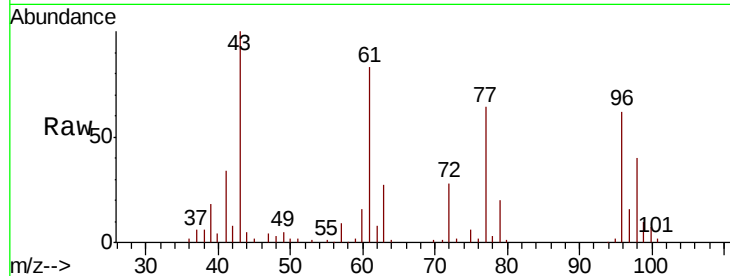


#27

cis-1,2-Dichloroethene
 Concen: 19.673 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN055764.D
 Acq: 23 May 2019 19:42

Instrument :
 MSVOA_N
 ClientSampled :

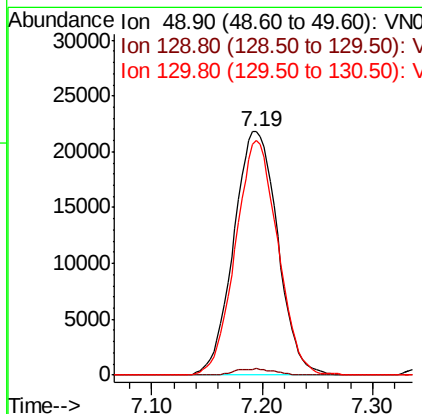
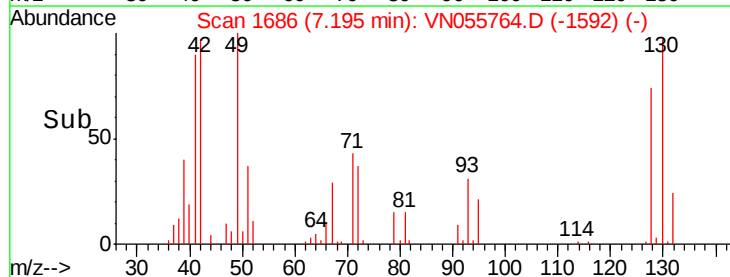
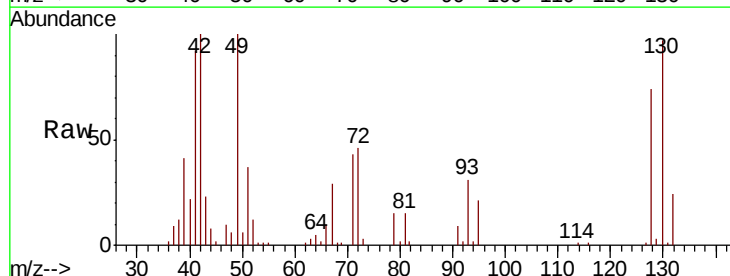
Tot Ion	96	Resp	79226
Ion	Ratio	Lower	Upper
96	100		
61	132.2	0.0	275.8
98	64.3	0.0	128.4

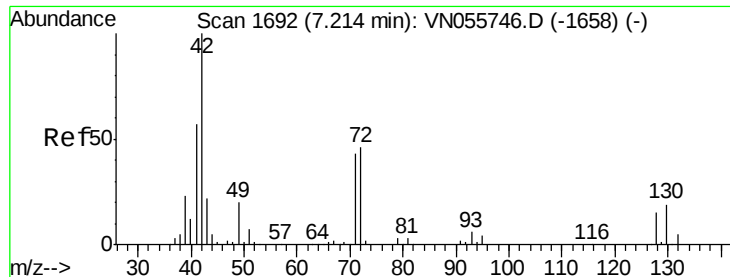


#28

Bromochloromethane
 Concen: 20.283 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN055764.D
 Acq: 23 May 2019 19:42

Tgt Ion	49	Resp	60234
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.4
130	92.5	71.2	106.8

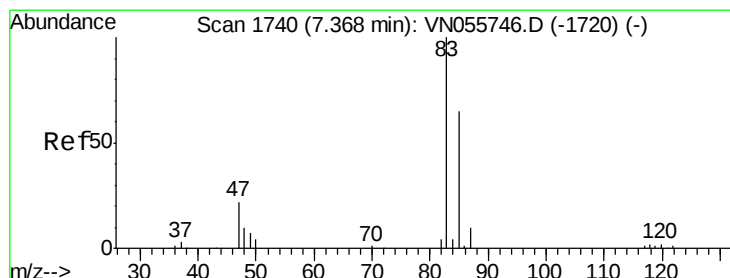
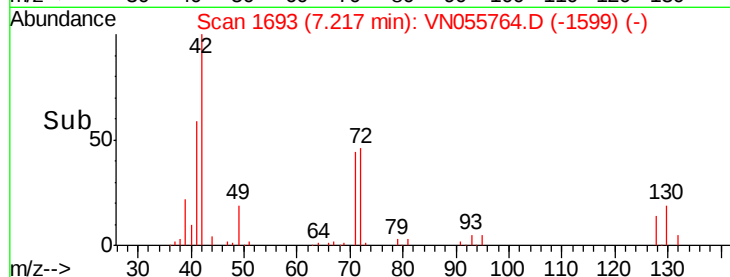
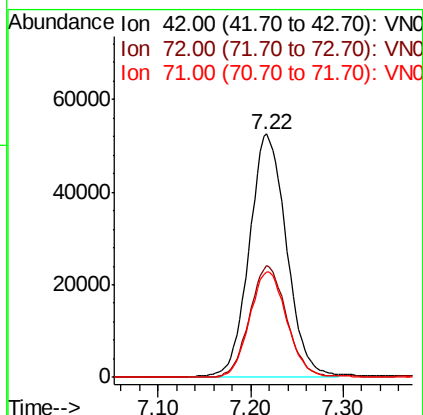
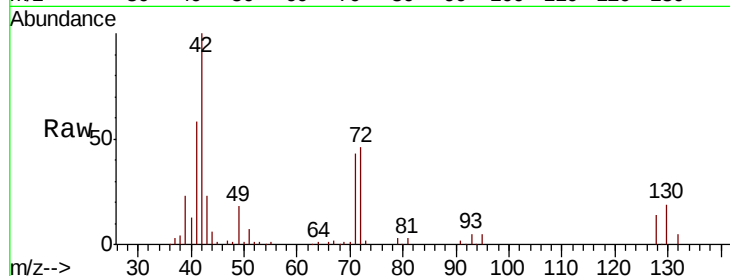




#29
Tetrahydrofuran
Concen: 97.081 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN055764.D
Acq: 23 May 2019 19:42

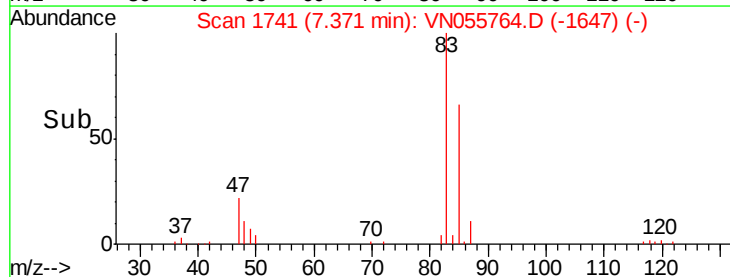
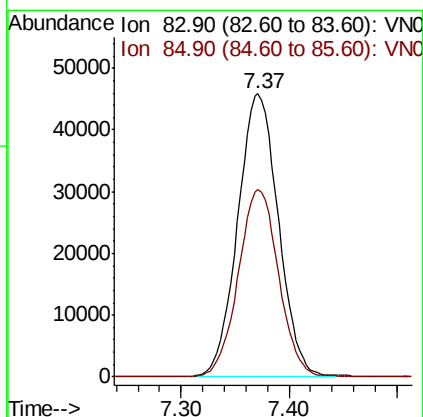
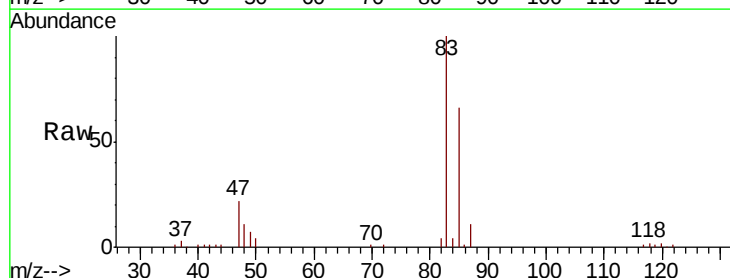
Instrument :
MSVOA_N
ClientSampleId :

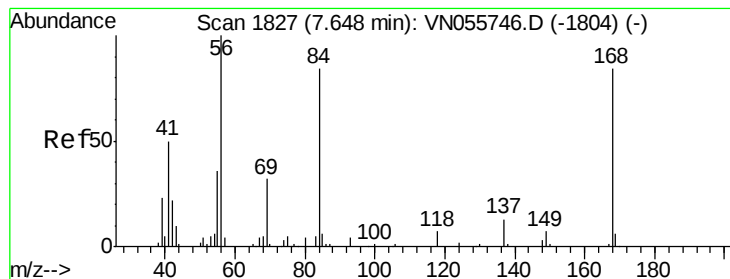
Tot Ion: 42 Resp: 147250
Ion Ratio Lower Upper
42 100
72 45.5 35.9 53.9
71 43.5 34.0 51.0



#30
Chloroform
Concen: 19.351 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055764.D
Acq: 23 May 2019 19:42

Tgt Ion: 83 Resp: 120373
Ion Ratio Lower Upper
83 100
85 66.3 51.8 77.8





#31

Cyclohexane

Concen: 19.039 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

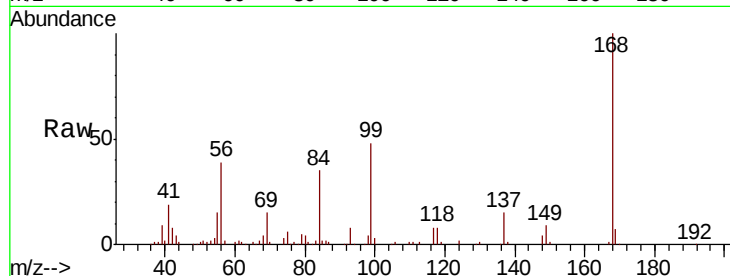
Lab File: VN055764.D

Acq: 23 May 2019 19:42

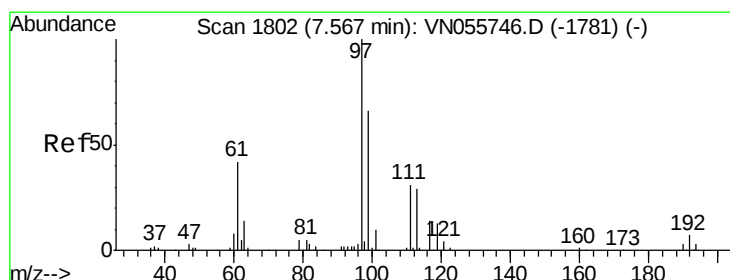
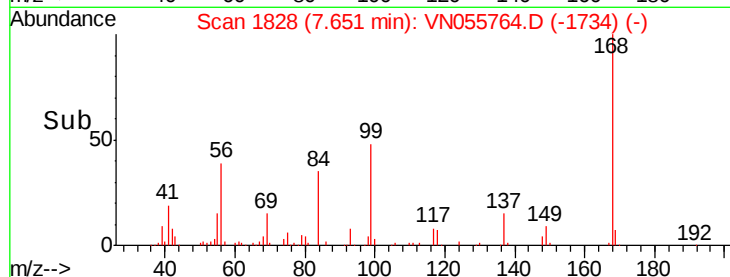
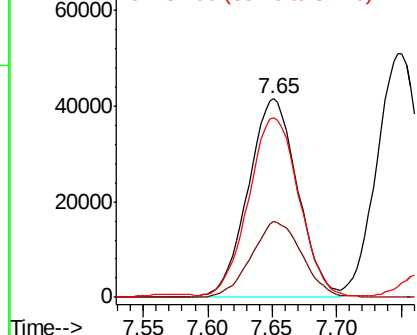
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 111495

Ion	Ratio	Lower	Upper
56	100		
69	38.4	25.6	38.4#
84	89.4	67.4	101.0



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



#32

1,1,1-Trichloroethane

Concen: 19.550 ug/l

RT: 7.57 min Scan# 1802

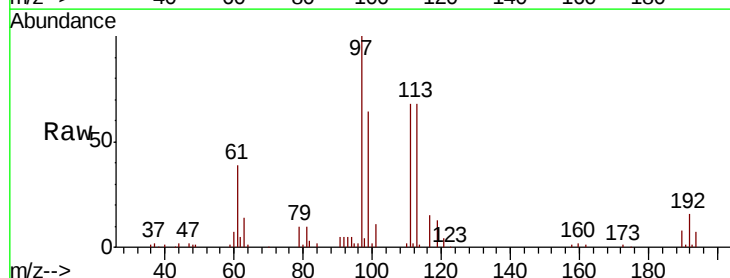
Delta R.T. 0.00 min

Lab File: VN055764.D

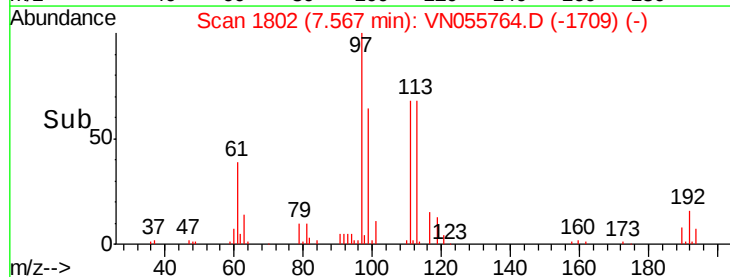
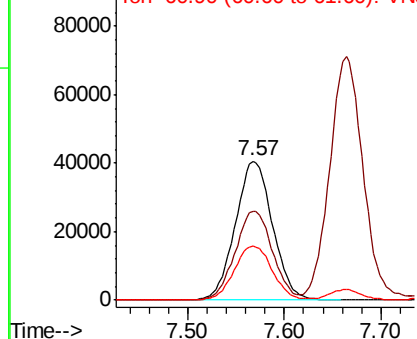
Acq: 23 May 2019 19:42

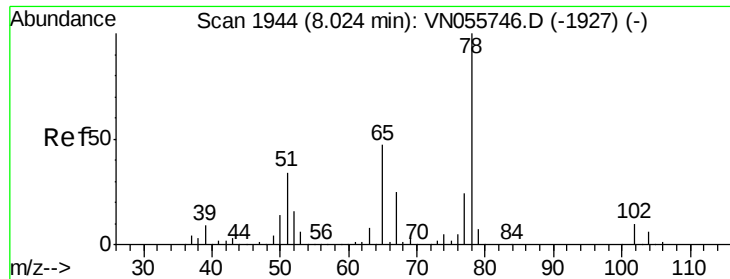
Tgt Ion: 97 Resp: 108520

Ion	Ratio	Lower	Upper
97	100		
99	64.3	52.0	78.0
61	39.7	32.9	49.3



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

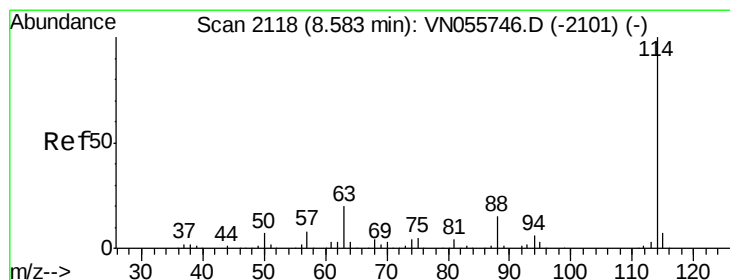
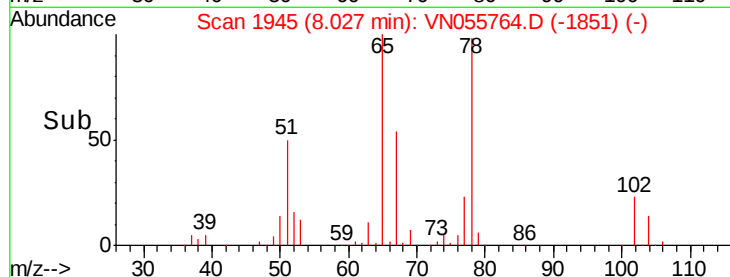
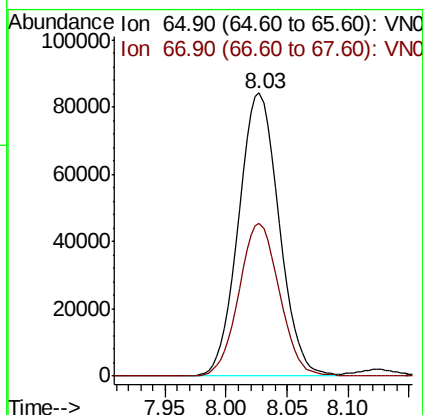
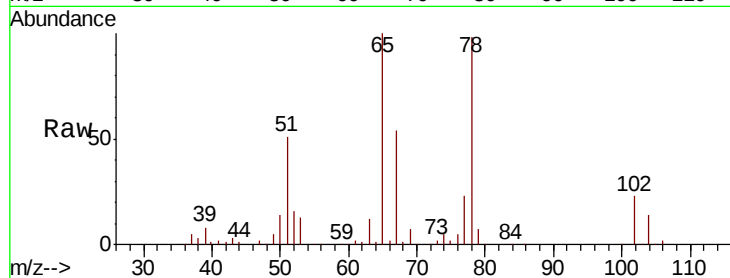




#33
 1,2-Dichloroethane-d4
 Concen: 49.618 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055764.D
 Acq: 23 May 2019 19:42

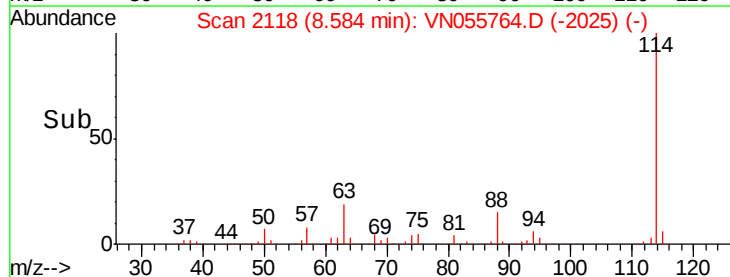
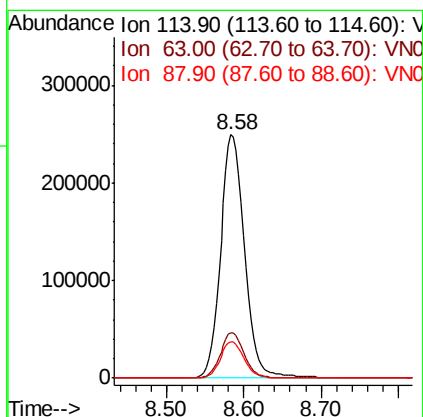
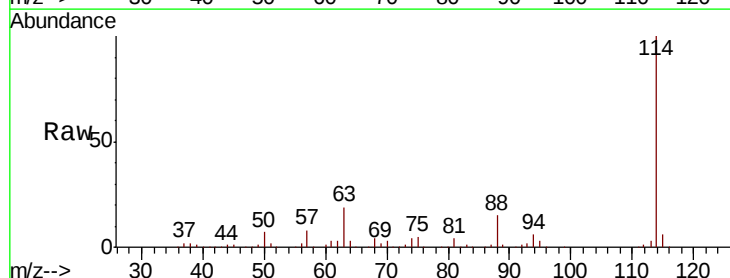
Instrument :
 MSVOA_N
 ClientSampled :

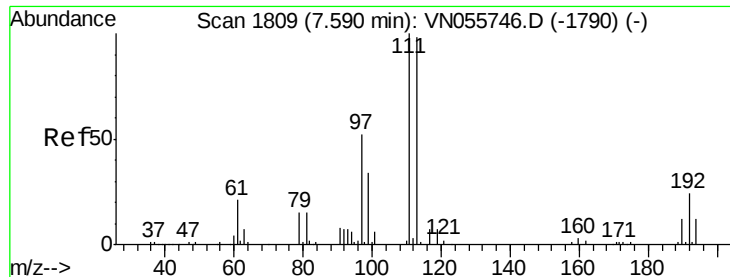
Tot Ion: 65 Resp: 193584
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055764.D
 Acq: 23 May 2019 19:42

Tgt Ion: 114 Resp: 537731
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 39.2
 88 14.8 0.0 31.0

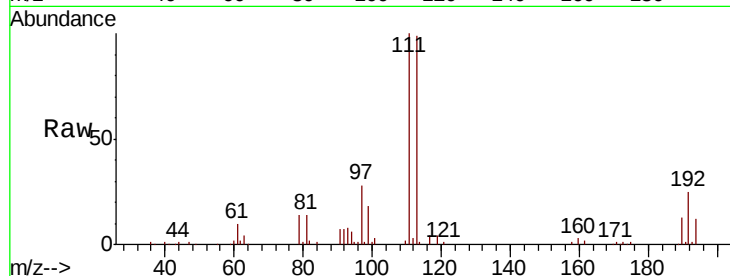




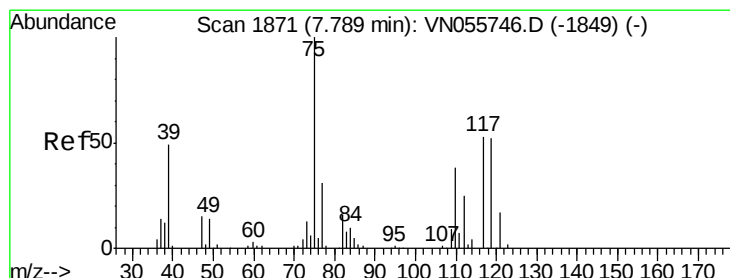
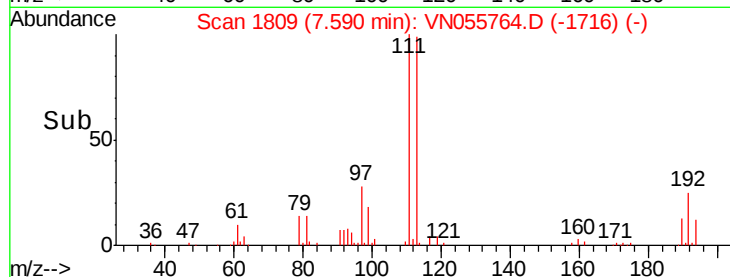
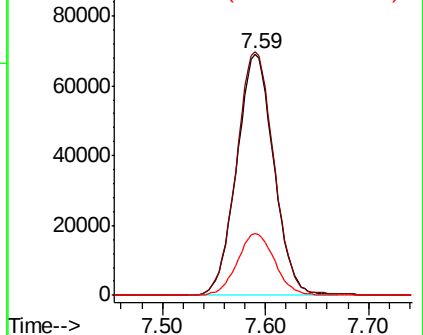
#35
 Dibromofluoromethane
 Concen: 50.761 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055764.D
 Acq: 23 May 2019 19:42

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.9	122.9
192	25.8	19.5	29.3

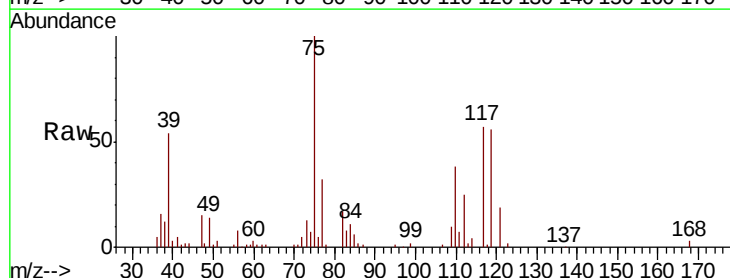


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

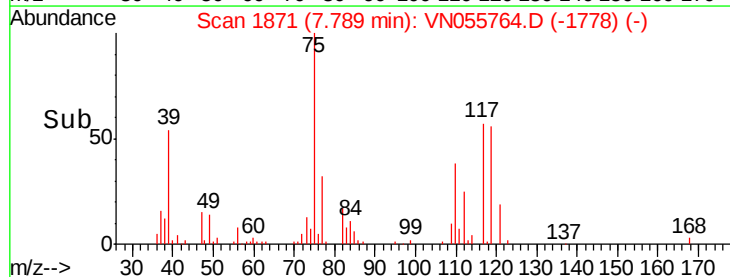
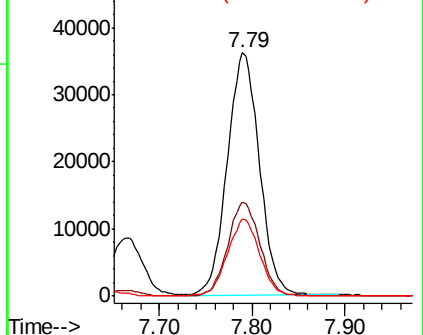


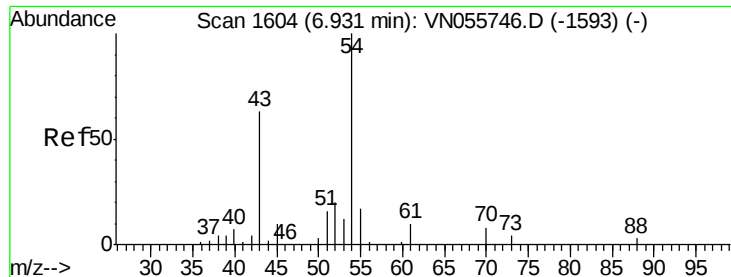
#36
 1,1-Dichloropropene
 Concen: 18.629 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055764.D
 Acq: 23 May 2019 19:42

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.5	19.0	57.0
77	31.7	25.1	37.7



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

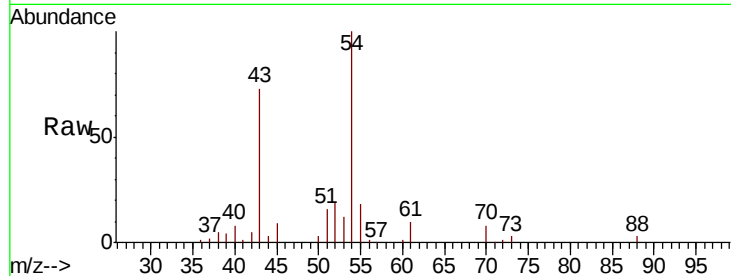




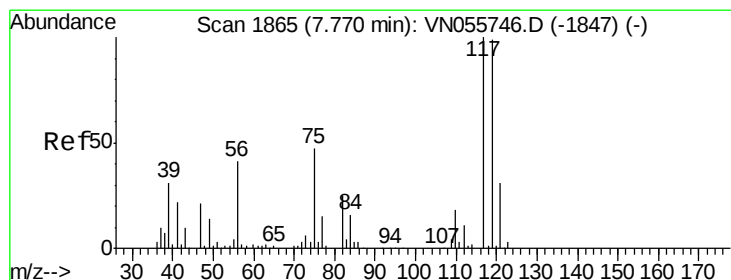
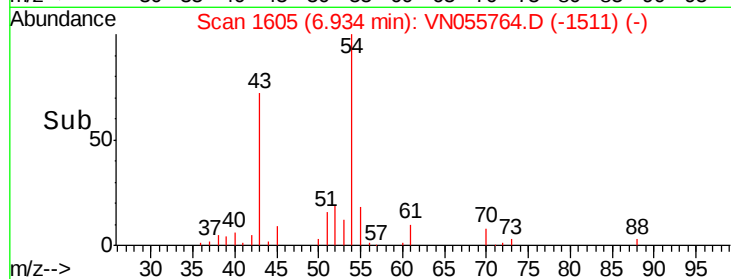
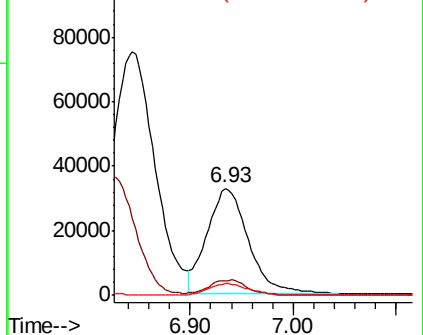
#37
Ethyl Acetate
Concen: 20.071 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055764.D
Acq: 23 May 2019 19:42

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 90903
Ion Ratio Lower Upper
43 100
61 14.2 12.2 18.2
70 10.9 8.9 13.3

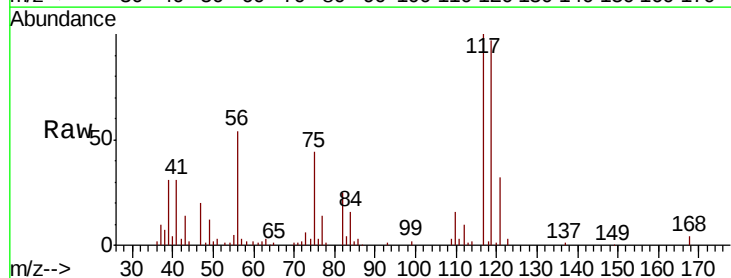


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

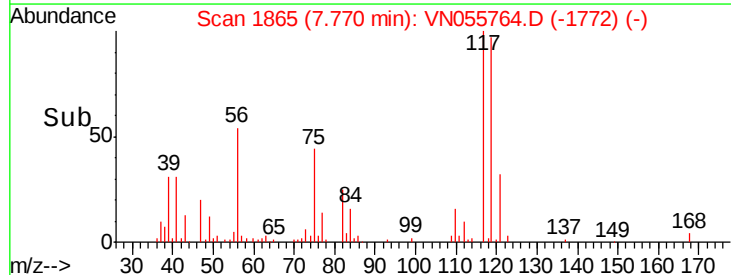
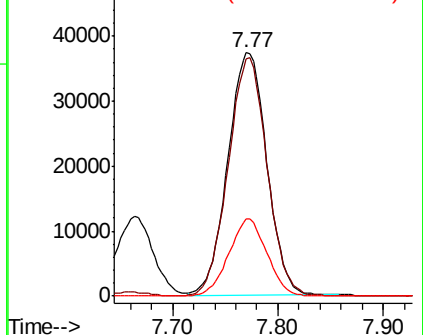


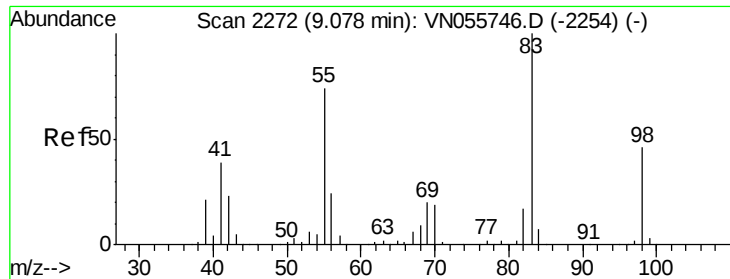
#38
Carbon Tetrachloride
Concen: 19.637 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055764.D
Acq: 23 May 2019 19:42

Tgt Ion: 117 Resp: 95854
Ion Ratio Lower Upper
117 100
119 97.7 79.0 118.6
121 31.7 24.7 37.1



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

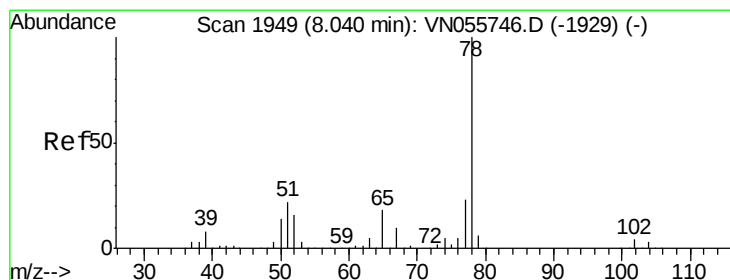
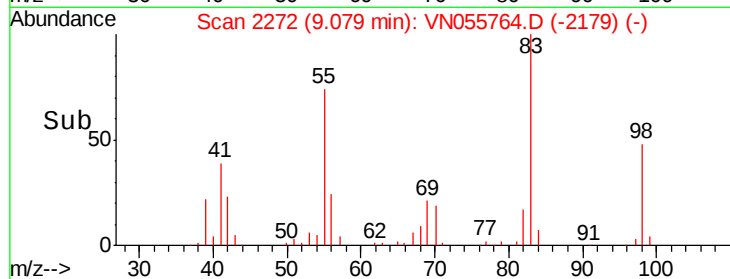
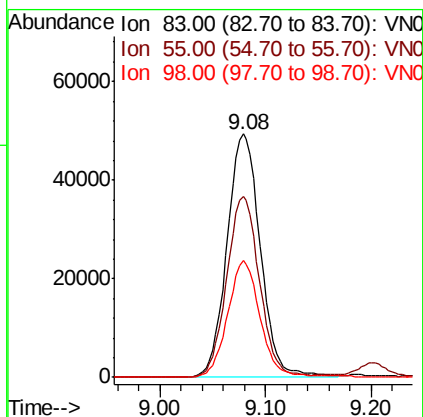
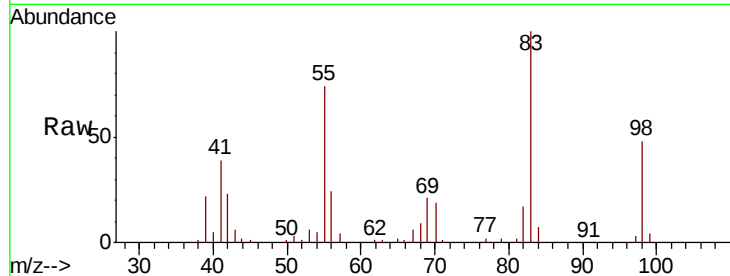




#39
Methvlcvclohexane
Concen: 18.674 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055764.D
Acq: 23 May 2019 19:42

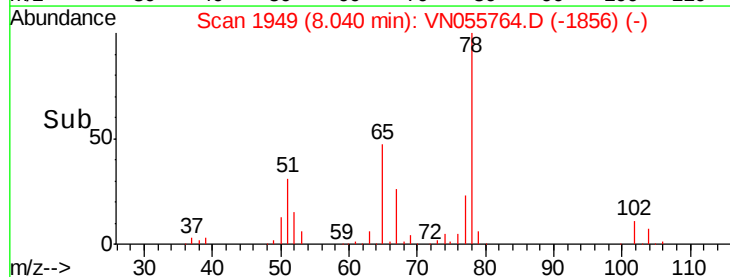
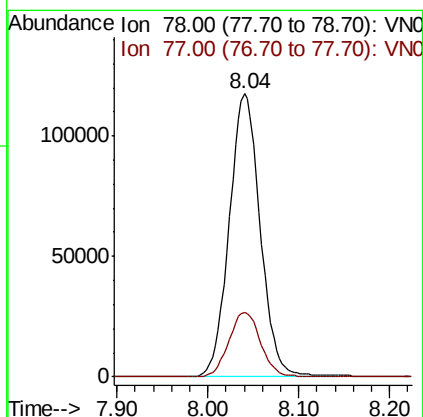
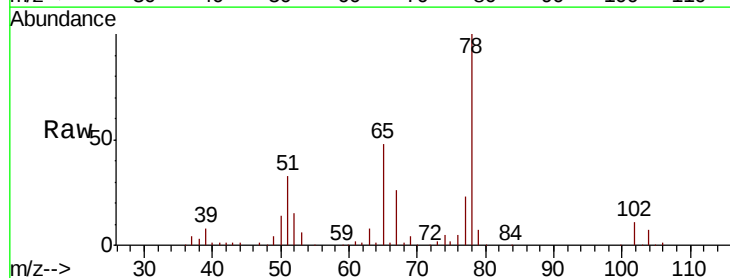
Instrument :
MSVOA_N
ClientSampled :

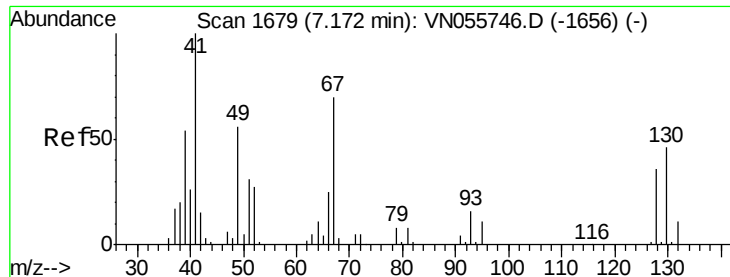
Tot Ion: 83 Resp: 108363
Ion Ratio Lower Upper
83 100
55 74.5 59.3 88.9
98 48.0 36.6 54.8



#40
Benzene
Concen: 19.694 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055764.D
Acq: 23 May 2019 19:42

Tgt Ion: 78 Resp: 278142
Ion Ratio Lower Upper
78 100
77 22.8 18.8 28.2

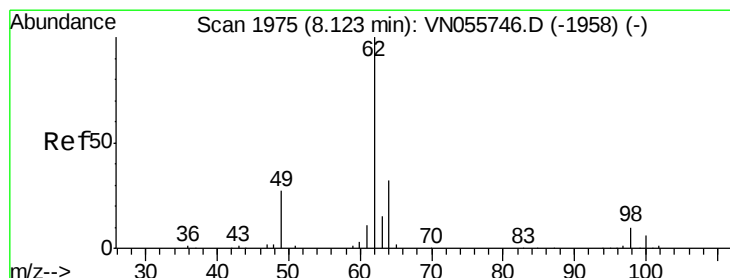
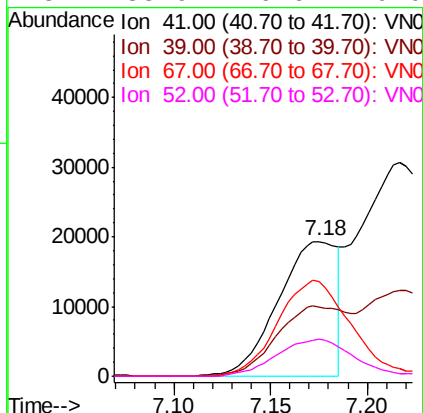
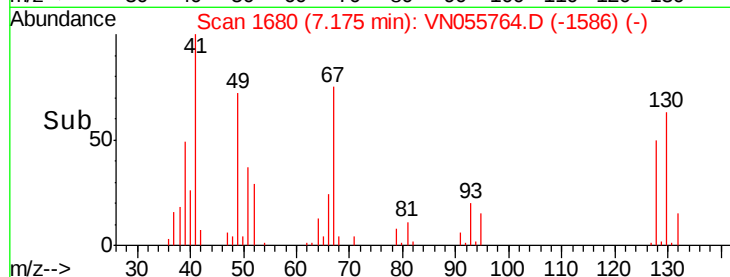
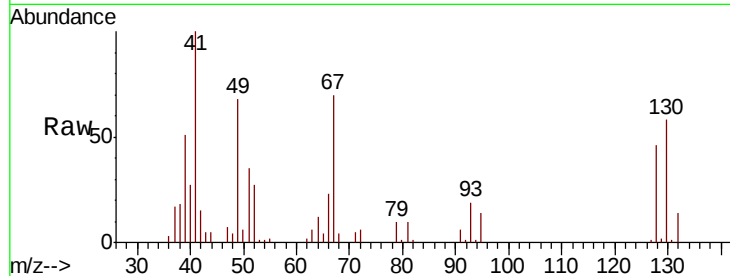




#41
Methacrylonitrile
Concen: 17.980 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055764.D
Acq: 23 May 2019 19:42

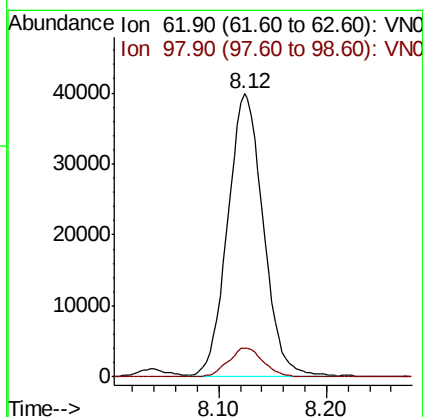
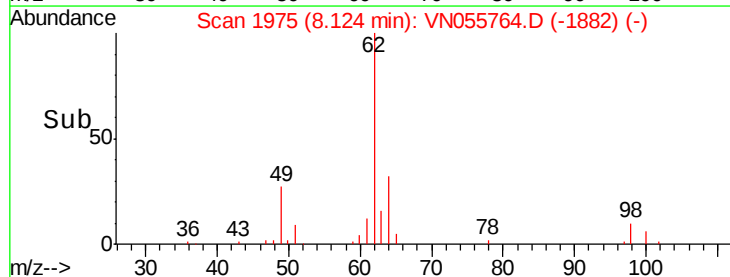
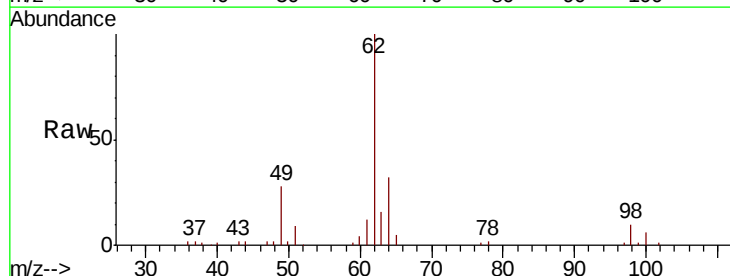
Instrument :
MSVOA_N
ClientSampled :

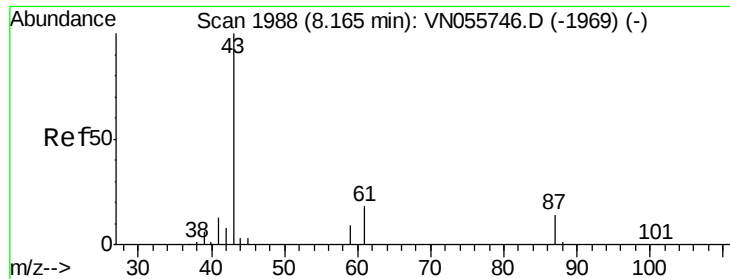
Tot Ion: 41 Resp: 41140
Ion Ratio Lower Upper
41 100
39 61.2 45.6 68.4
67 88.5 67.7 101.5
52 35.9 26.6 40.0



#42
1,2-Dichloroethane
Concen: 19.736 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055764.D
Acq: 23 May 2019 19:42

Tgt Ion: 62 Resp: 91078
Ion Ratio Lower Upper
62 100
98 10.1 0.0 20.2





#43

Isopropyl Acetate

Concen: 19.321 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

Instrument :

MSVOA_N

ClientSampleId :

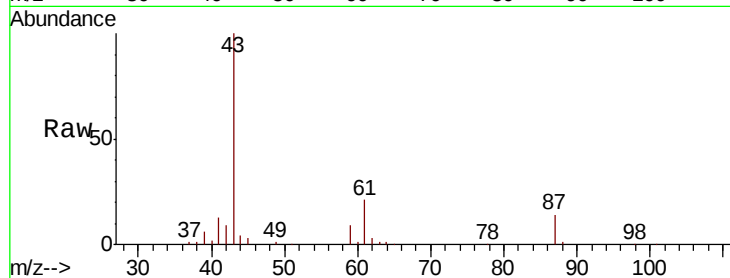
Tot Ion: 43 Resp: 147029

Ion Ratio Lower Upper

43 100

61 21.5 22.2 33.4#

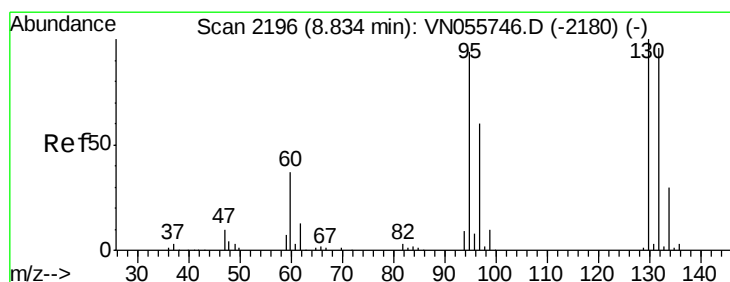
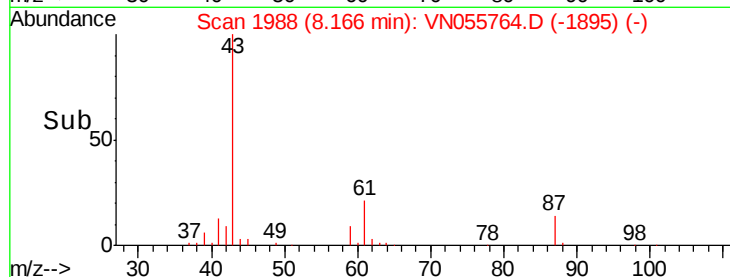
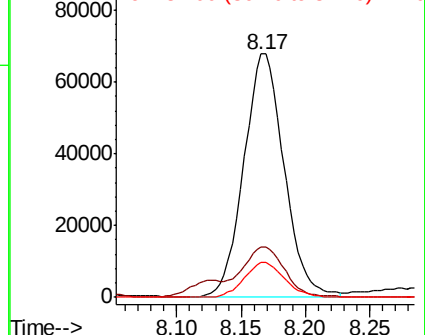
87 14.4 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VN055764.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN055764.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN055764.D (-1969) (-)



#44

Trichloroethene

Concen: 20.434 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055764.D

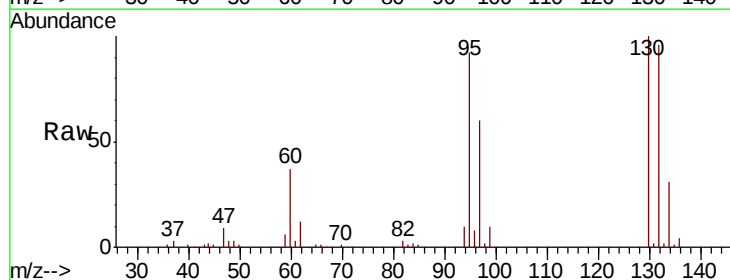
Acq: 23 May 2019 19:42

Tgt Ion:130 Resp: 80452

Ion Ratio Lower Upper

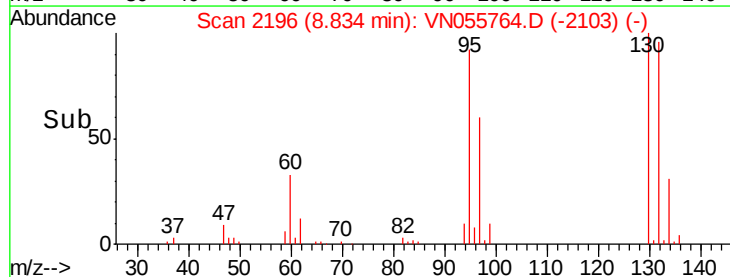
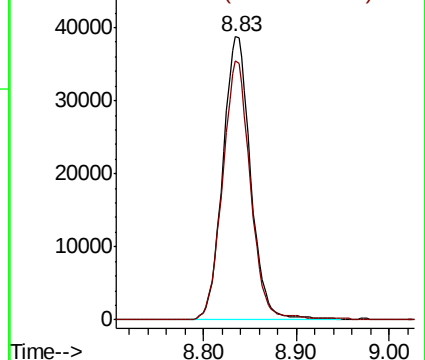
130 100

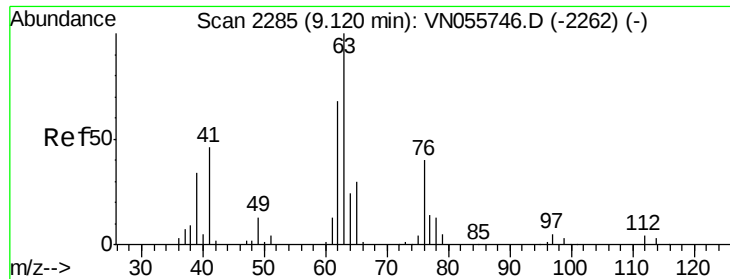
95 91.7 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): VN055764.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN055764.D (-2180) (-)





#45

1,2-Dichloropropane

Concen: 19.648 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

Instrument :

MSVOA_N

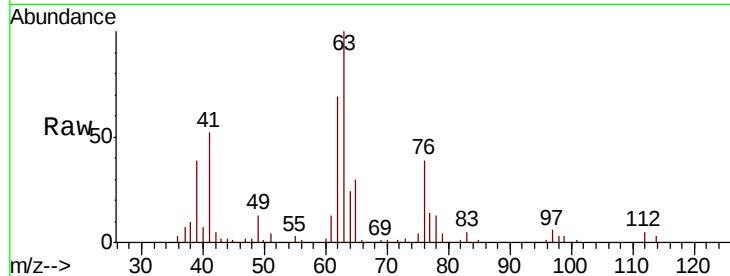
ClientSampleId :

Tot Ion: 63 Resp: 72296

Ion Ratio Lower Upper

63 100

65 30.3 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VN055764.D (-2262) (-)

Ion 64.90 (64.60 to 65.60): VN055764.D (-2262) (-)

9.12

40000

30000

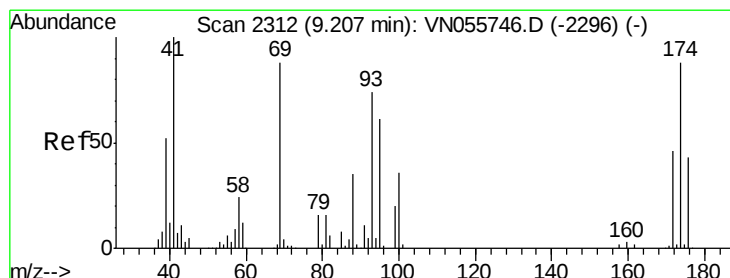
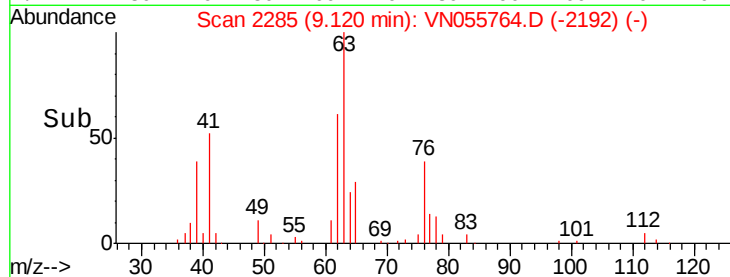
20000

10000

0

Time-->

9.00 9.10 9.20



#46

Dibromomethane

Concen: 19.832 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

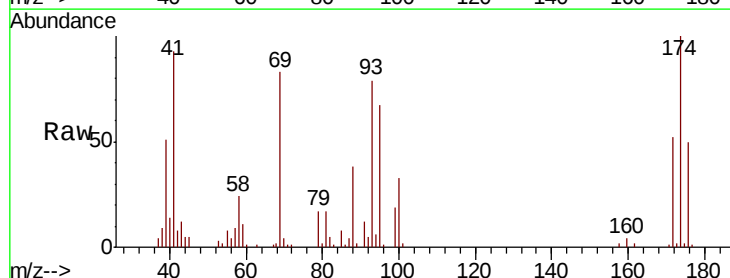
Tgt Ion: 93 Resp: 47857

Ion Ratio Lower Upper

93 100

95 84.8 66.7 100.1

174 128.3 96.4 144.6



Abundance Ion 92.80 (92.50 to 93.50): VN055764.D (-2296) (-)

Ion 94.80 (94.50 to 95.50): VN055764.D (-2296) (-)

Ion 173.70 (173.40 to 174.40): VN055764.D (-2296) (-)

40000

30000

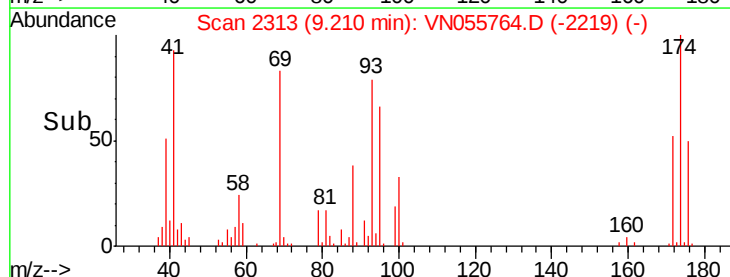
20000

10000

0

Time-->

9.15 9.20 9.25 9.30





#47

Bromodichloromethane

Concen: 19.478 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

Instrument :
MSVOA_N
ClientSampleId :

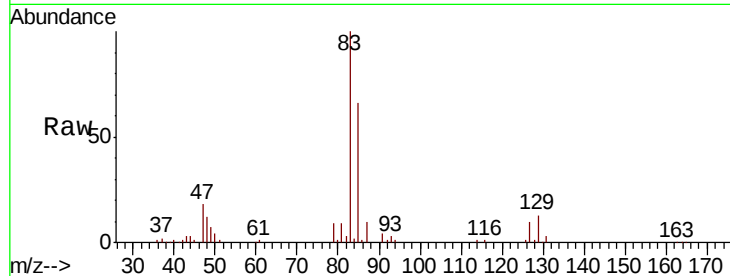
Tot Ion: 83 Resp: 96382

Ion Ratio Lower Upper

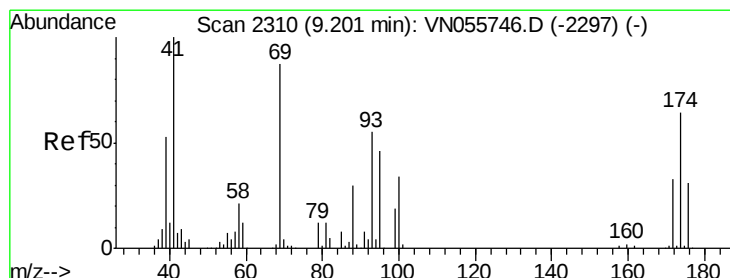
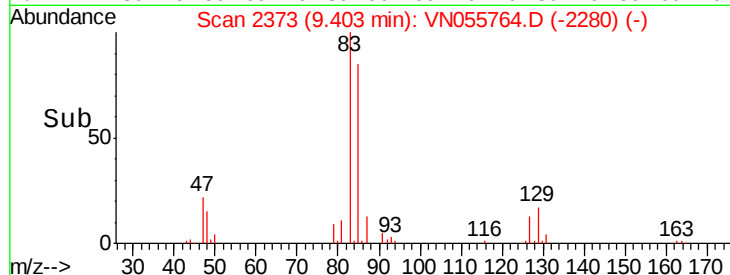
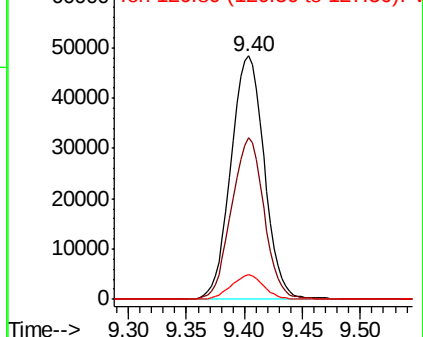
83 100

85 66.2 52.2 78.2

127 9.9 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 20.242 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

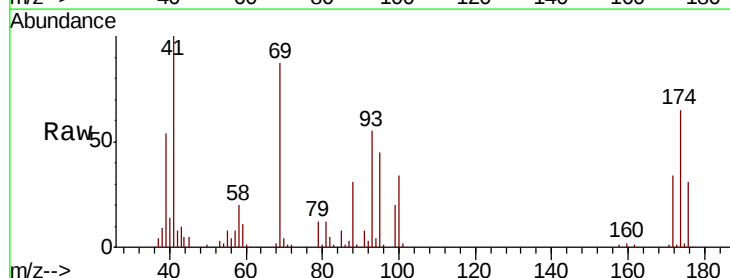
Tgt Ion: 41 Resp: 70990

Ion Ratio Lower Upper

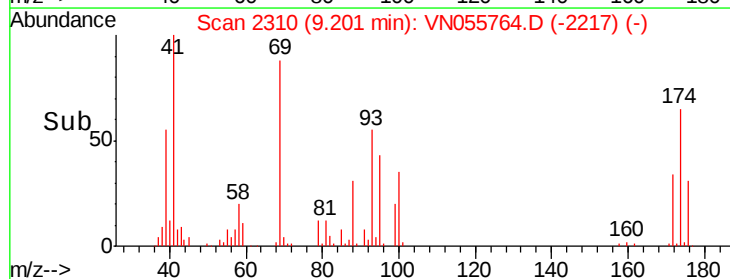
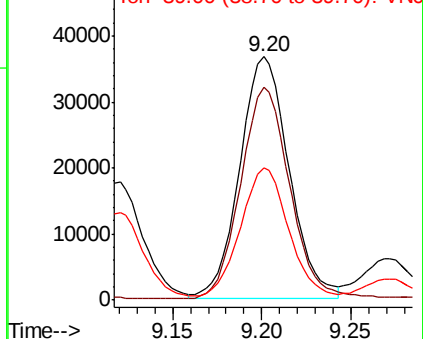
41 100

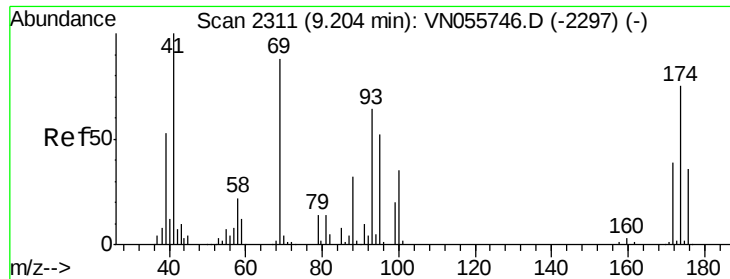
69 88.5 71.0 106.6

39 53.3 44.2 66.2



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 419.519 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

Instrument :
MSVOA_N
ClientSampleId :

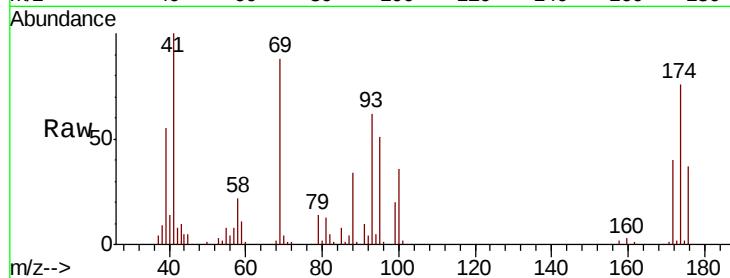
Tot Ion: 88 Resp: 30575

Ion Ratio Lower Upper

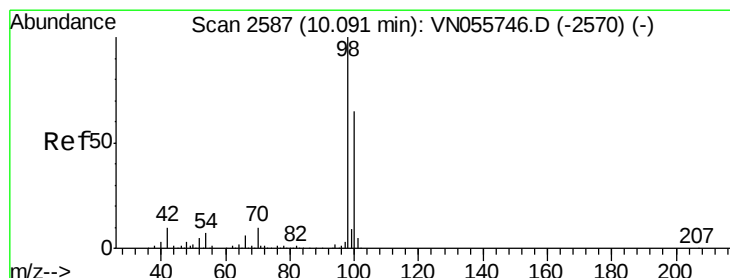
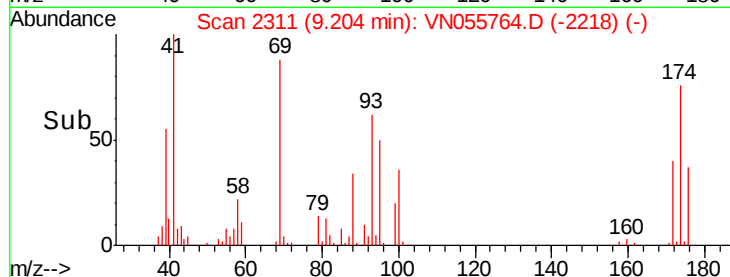
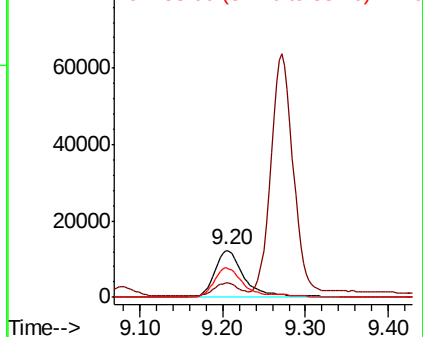
88 100

43 24.3 20.5 30.7

58 59.9 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: 49.992 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055764.D

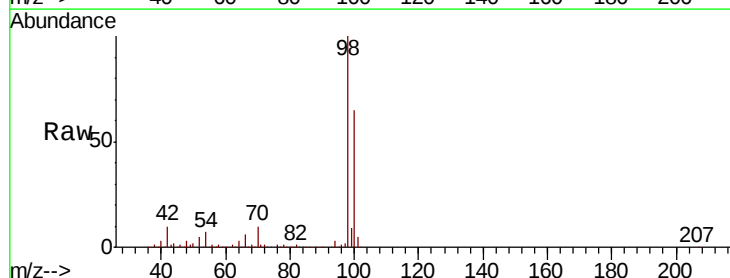
Acq: 23 May 2019 19:42

Tgt Ion: 98 Resp: 651940

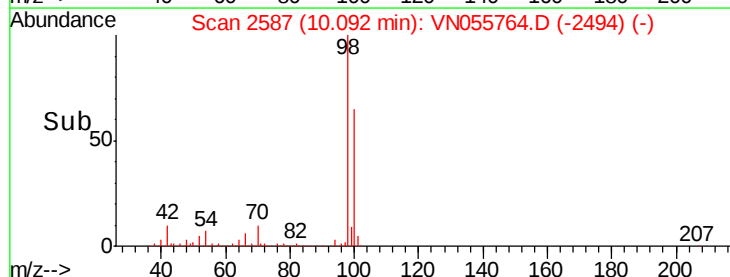
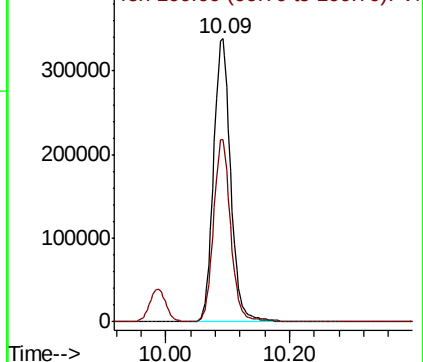
Ion Ratio Lower Upper

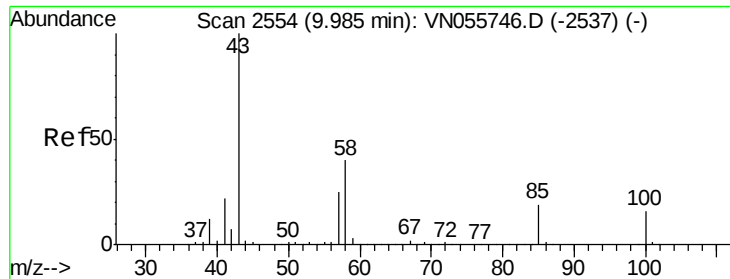
98 100

100 64.6 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: 99.223 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

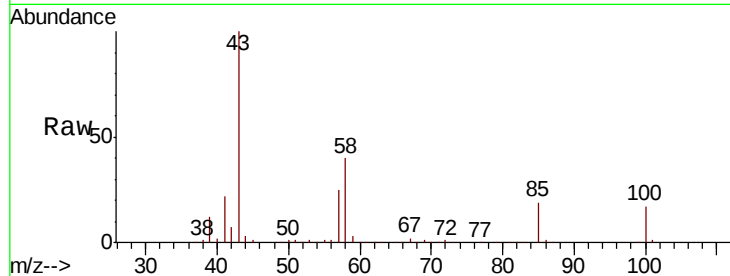
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 445938

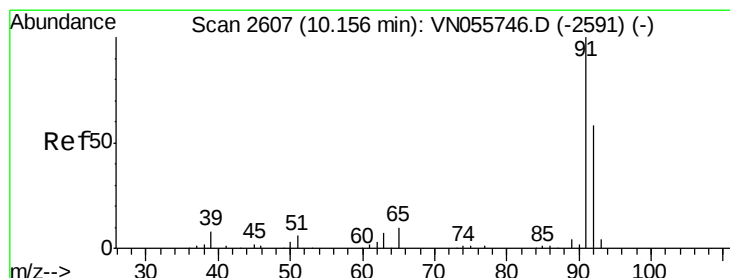
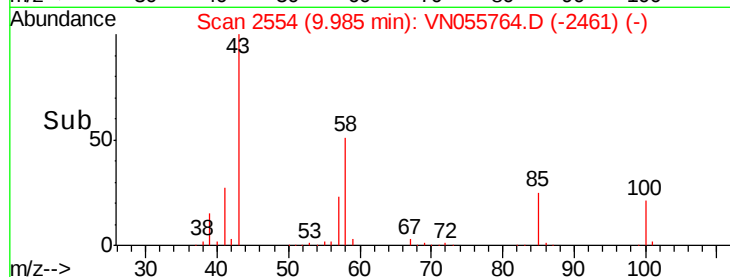
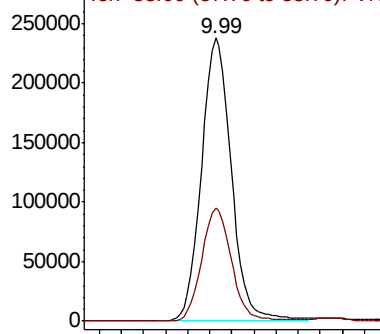
Ion Ratio Lower Upper

43 100

58 40.1 32.1 48.1



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



#52

Toluene

Concen: 19.761 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055764.D

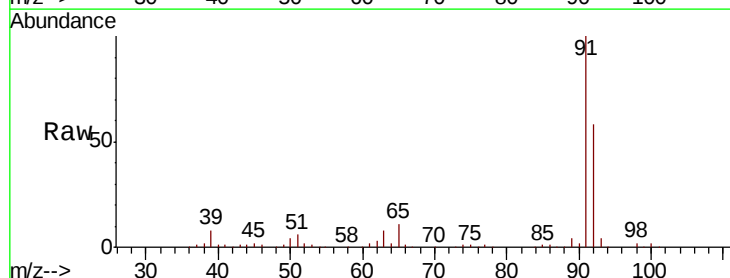
Acq: 23 May 2019 19:42

Tgt Ion: 92 Resp: 175525

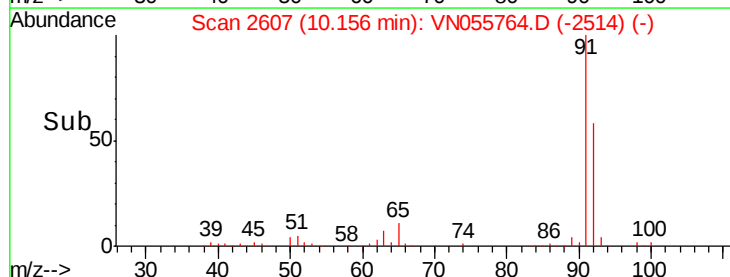
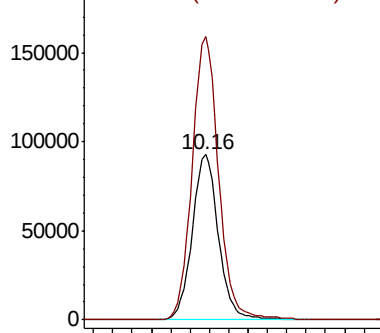
Ion Ratio Lower Upper

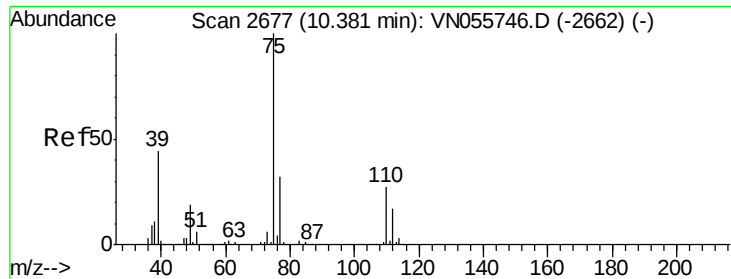
92 100

91 172.8 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0
Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 18.634 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

Instrument :

MSVOA_N

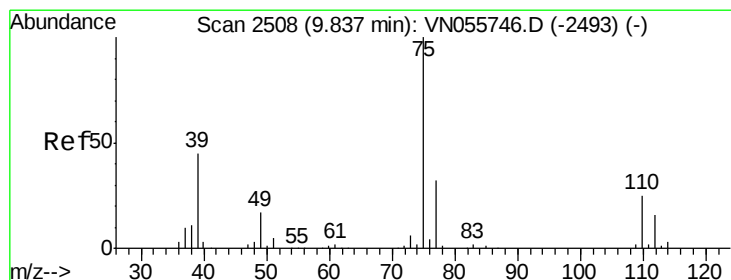
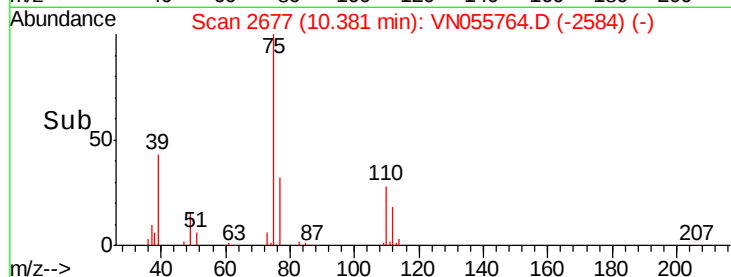
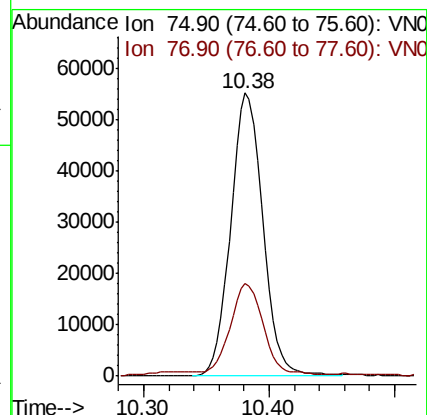
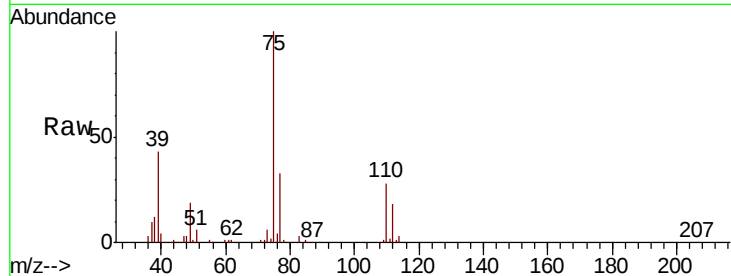
ClientSampleId :

Tot Ion: 75 Resp: 98423

Ion Ratio Lower Upper

75 100

77 31.9 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 19.135 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

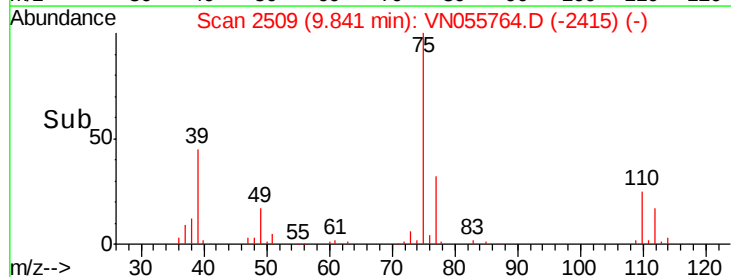
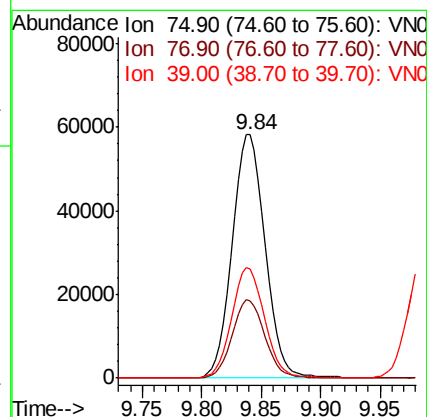
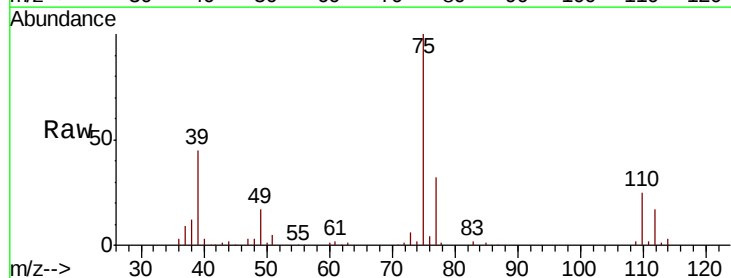
Tgt Ion: 75 Resp: 111963

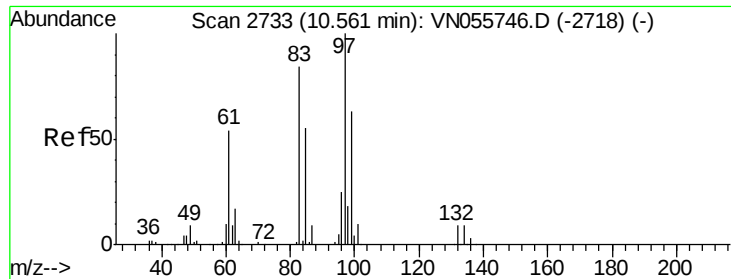
Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.0

39 44.8 36.3 54.5





#55

1,1,2-Trichloroethane

Concen: 19.560 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 69603

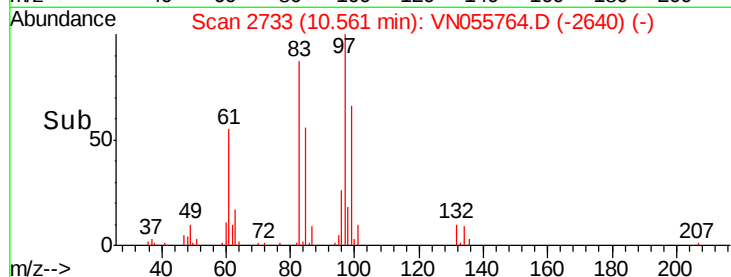
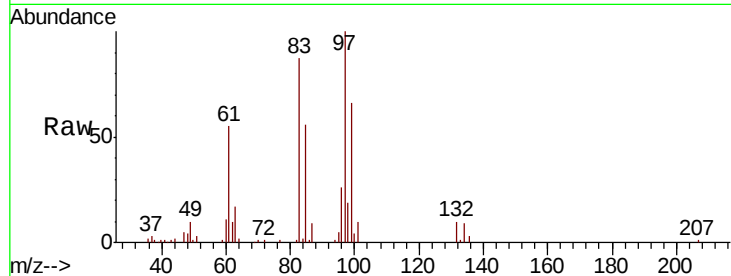
Ion	Ratio	Lower	Upper
97	100		
83	86.5	67.0	100.6
85	55.8	44.0	66.0
99	65.5	50.6	75.8

97 100

83 86.5 67.0 100.6

85 55.8 44.0 66.0

99 65.5 50.6 75.8



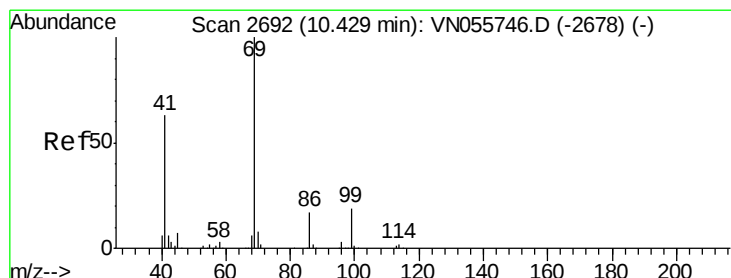
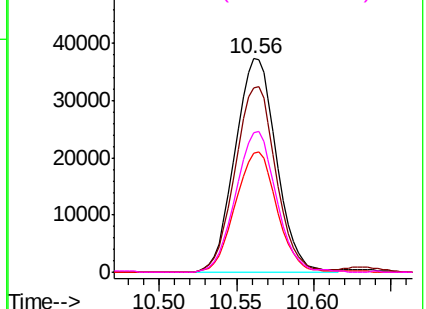
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 19.622 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

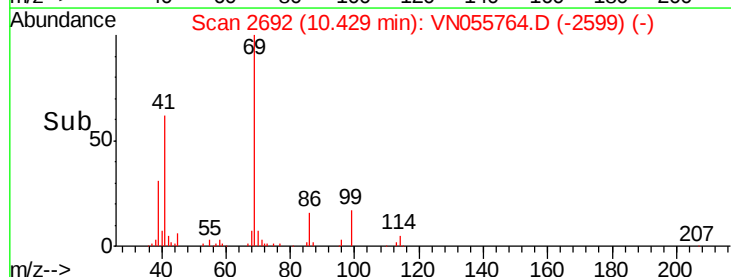
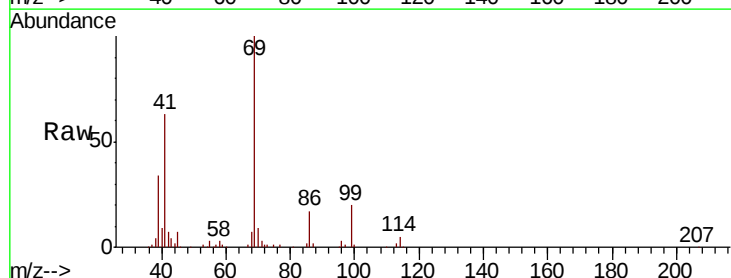
Tgt Ion: 69 Resp: 107910

Ion	Ratio	Lower	Upper
69	100		
41	62.0	49.7	74.5
39	31.5	24.7	37.1

69 100

41 62.0 49.7 74.5

39 31.5 24.7 37.1

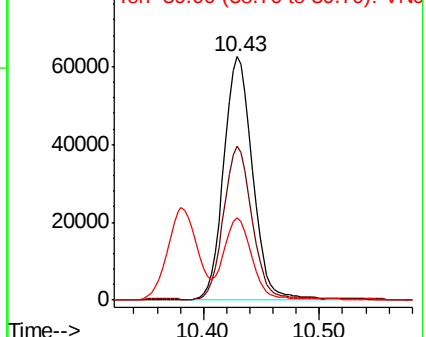


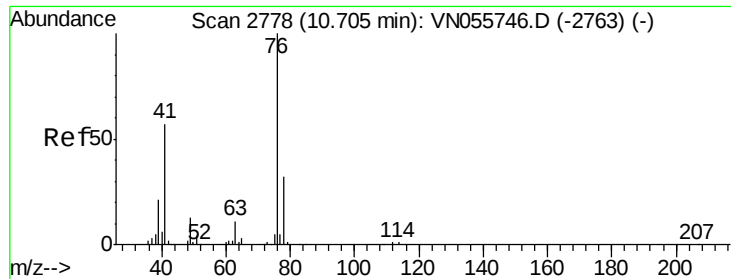
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

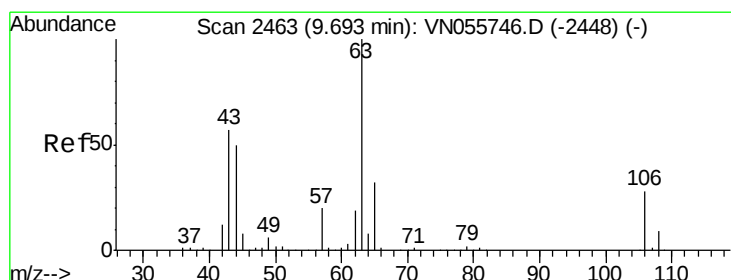
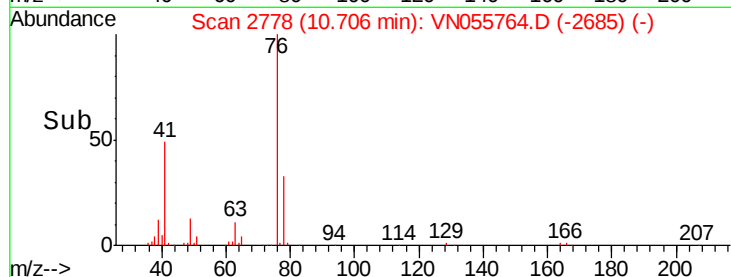
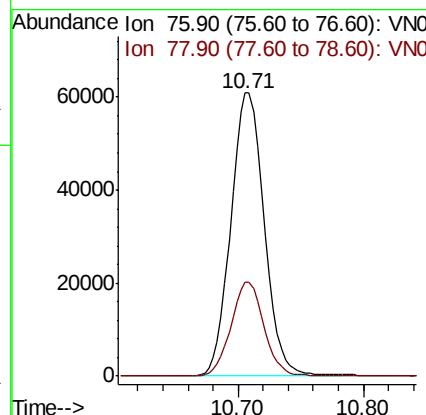
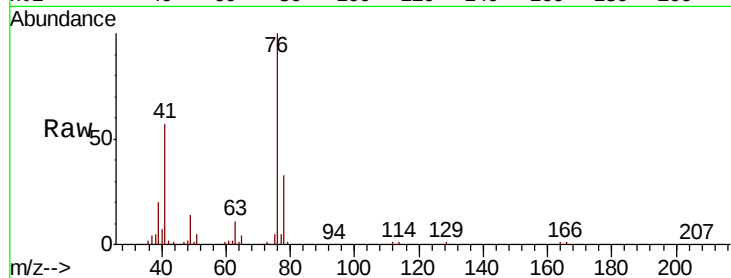




#57
 1,3-Dichloropropane
 Concen: 19.505 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN055764.D
 Acq: 23 May 2019 19:42

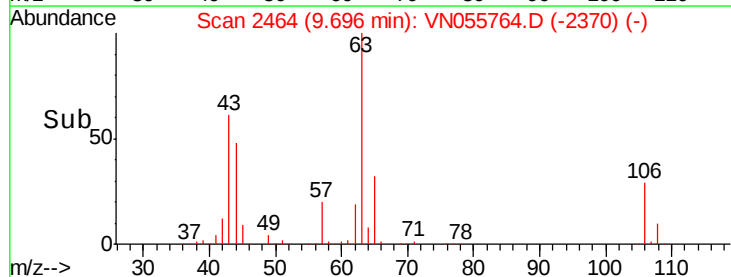
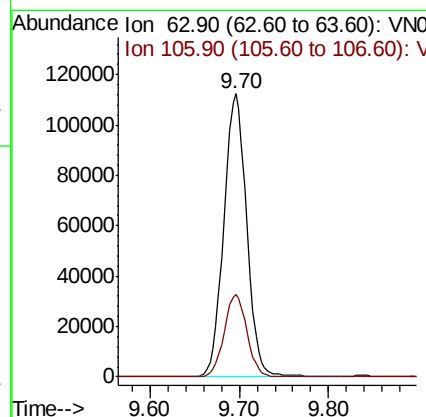
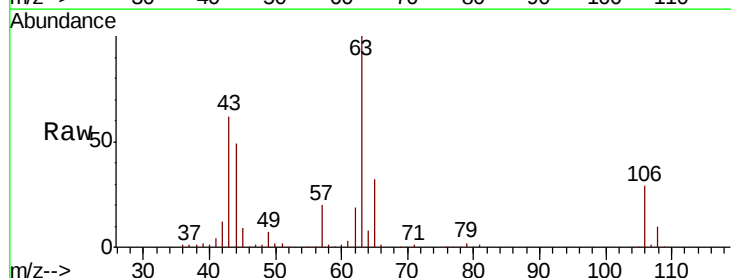
Instrument :
 MSVOA_N
 ClientSampleId :

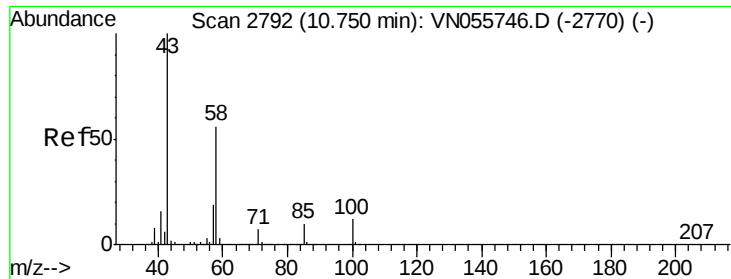
Tot Ion: 76 Resp: 112820
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.151 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055764.D
 Acq: 23 May 2019 19:42

Tgt Ion: 63 Resp: 199972
 Ion Ratio Lower Upper
 63 100
 106 28.8 22.7 34.1

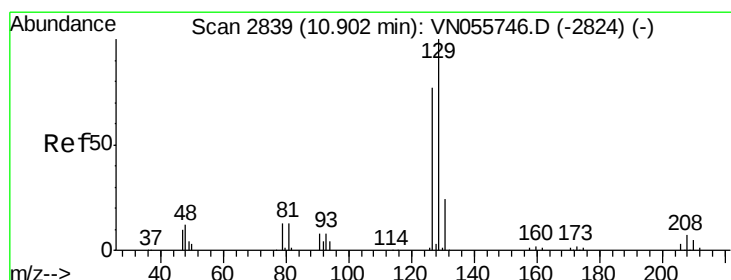
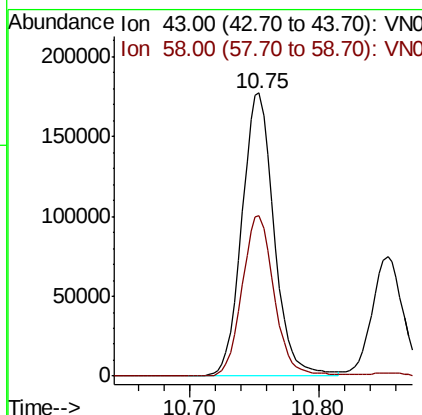
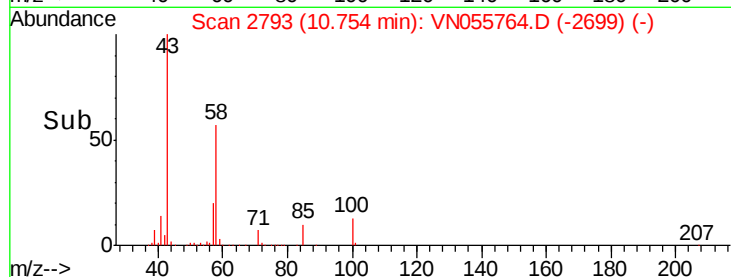
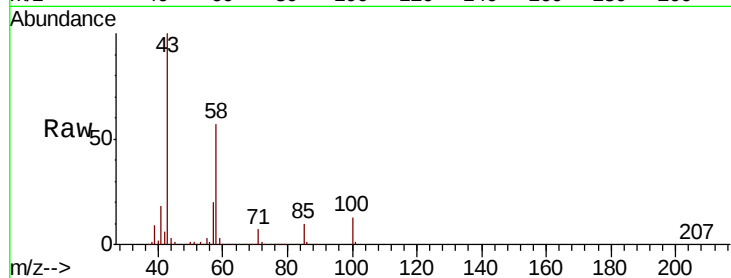




#59
2-Hexanone
Concen: 96.171 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055764.D
Acq: 23 May 2019 19:42

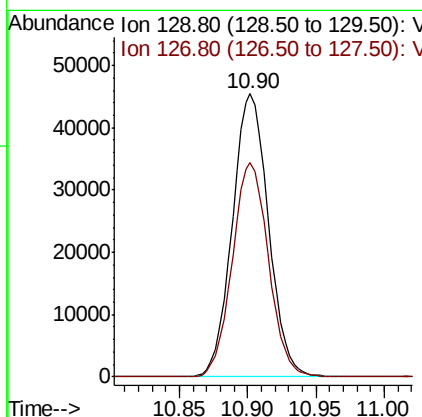
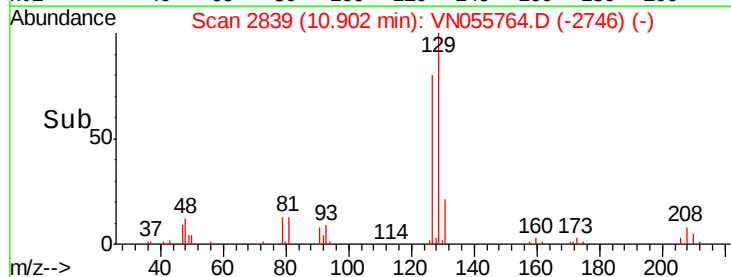
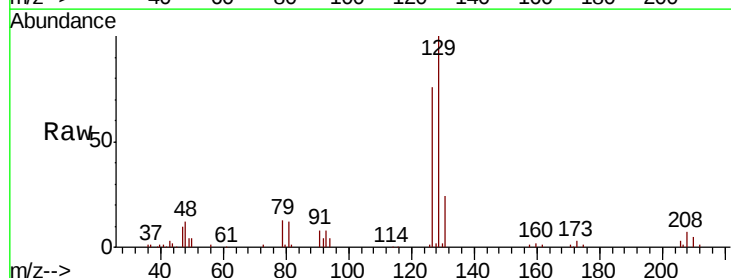
Instrument :
MSVOA_N
ClientSampleId :

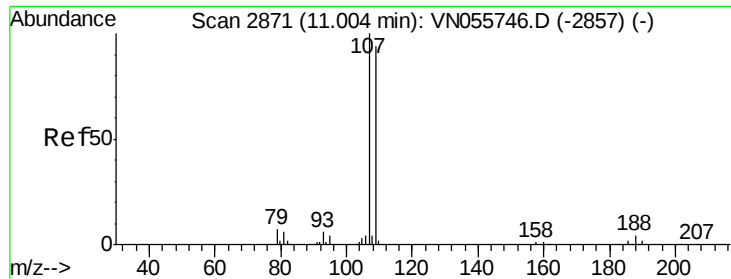
Tot Ion: 43 Resp: 306620
Ion Ratio Lower Upper
43 100
58 57.0 28.2 84.7



#60
Dibromochloromethane
Concen: 20.152 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055764.D
Acq: 23 May 2019 19:42

Tgt Ion: 129 Resp: 83537
Ion Ratio Lower Upper
129 100
127 75.6 38.1 114.3





#61

1,2-Dibromoethane

Concen: 19.896 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

Instrument :

MSVOA_N

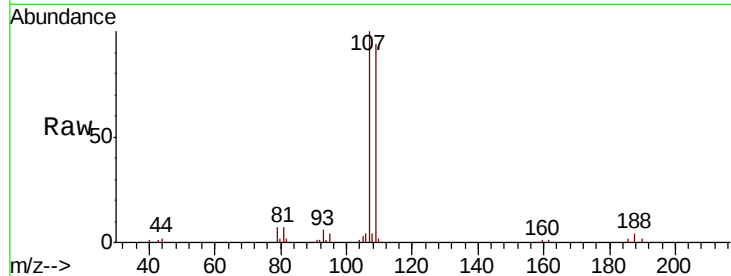
ClientSampleId :

Tot Ion:107 Resp: 73434

Ion Ratio Lower Upper

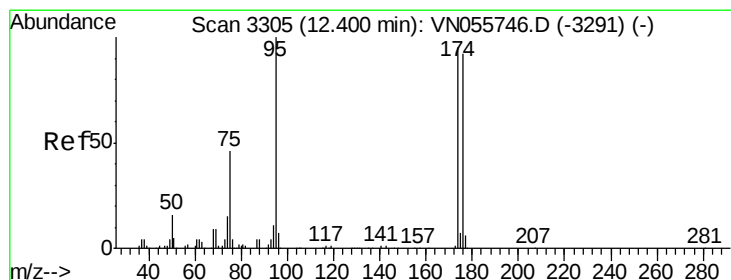
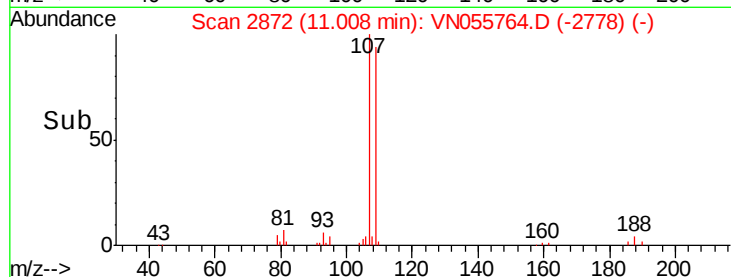
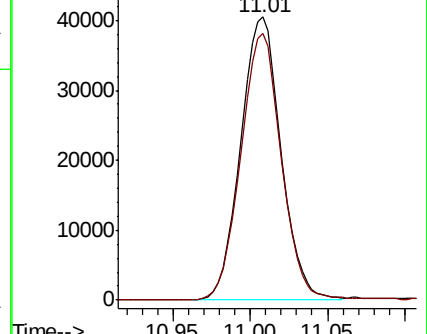
107 100

109 94.4 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.140 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

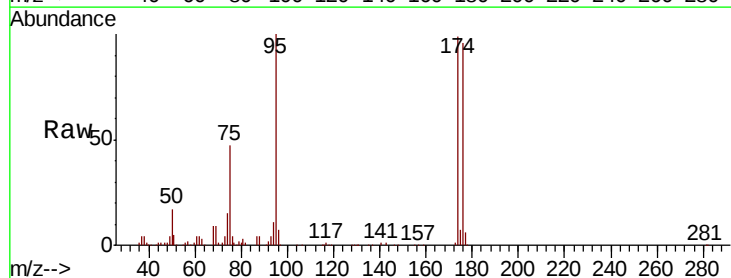
Tgt Ion: 95 Resp: 215263

Ion Ratio Lower Upper

95 100

174 99.4 0.0 191.0

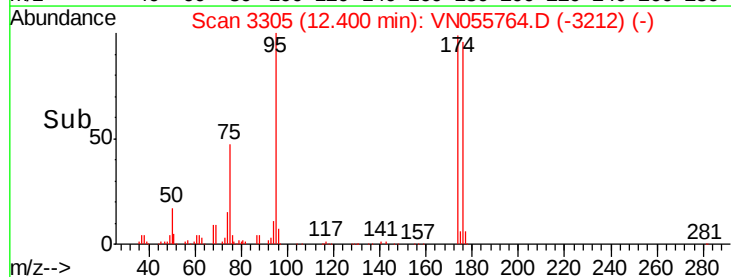
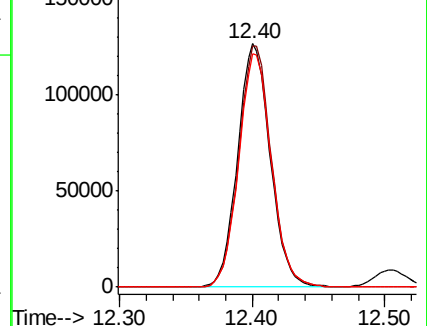
176 96.4 0.0 185.2

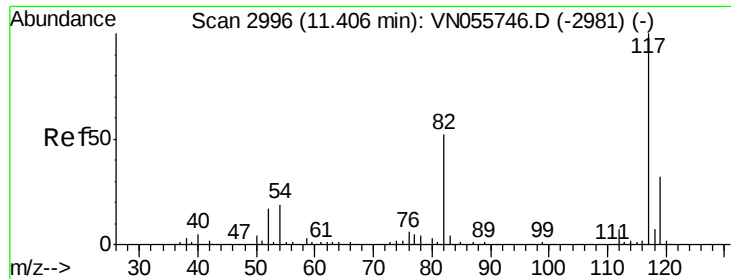


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

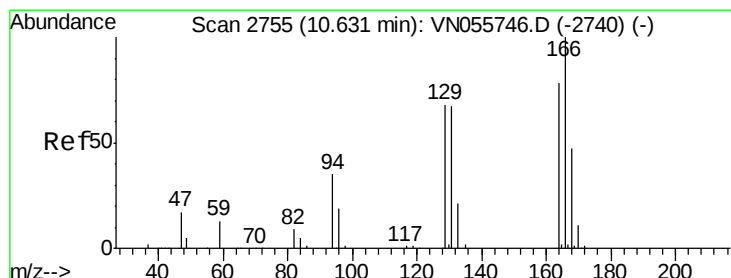
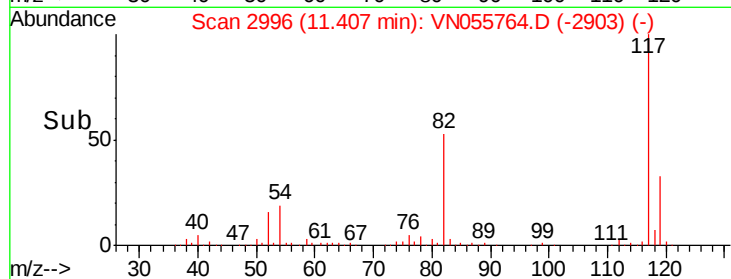
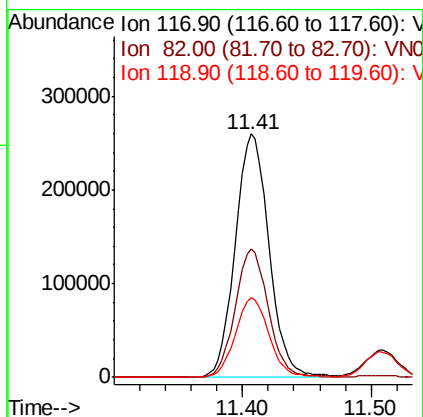
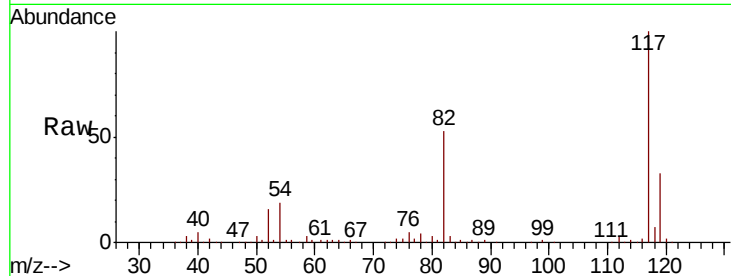




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055764.D
Acq: 23 May 2019 19:42

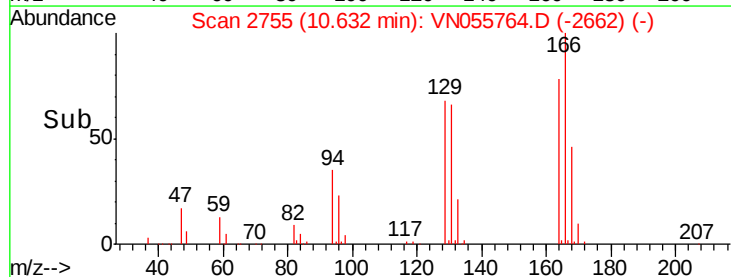
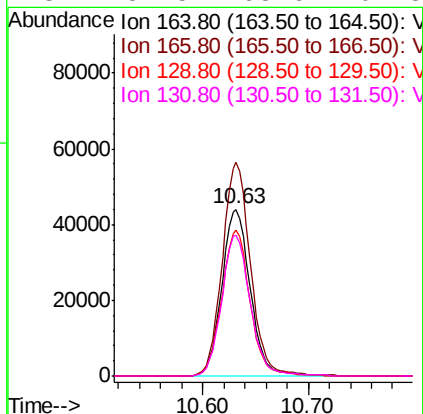
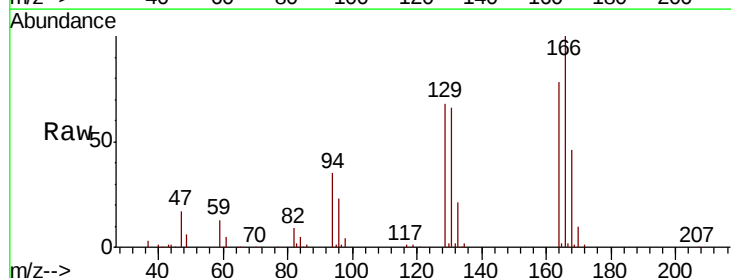
Instrument :
MSVOA_N
ClientSampleId :

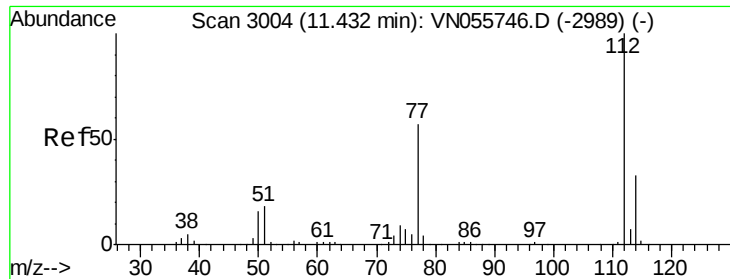
Tot Ion:117 Resp: 472738
Ion Ratio Lower Upper
117 100
82 52.9 41.8 62.8
119 32.6 25.4 38.0



#64
Tetrachloroethene
Concen: 20.617 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055764.D
Acq: 23 May 2019 19:42

Tgt Ion:164 Resp: 82205
Ion Ratio Lower Upper
164 100
166 128.0 103.0 154.6
129 87.4 70.6 105.8
131 84.5 68.6 102.8

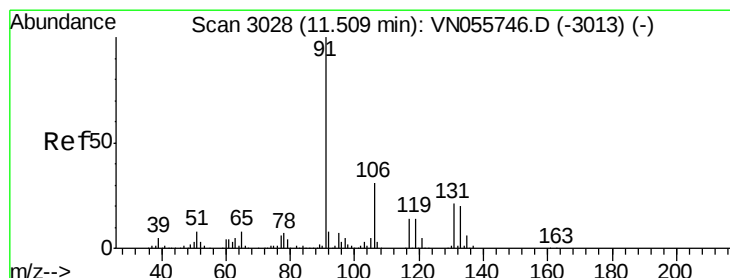
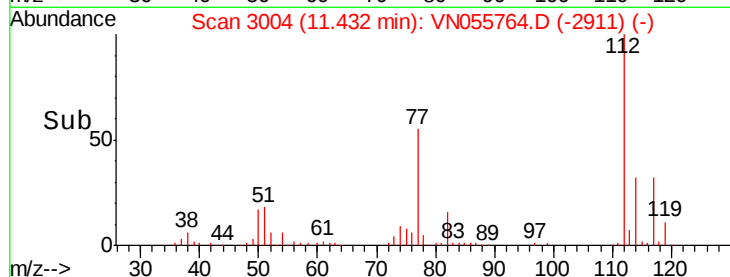
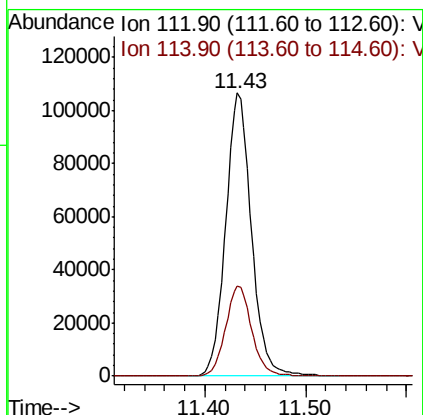
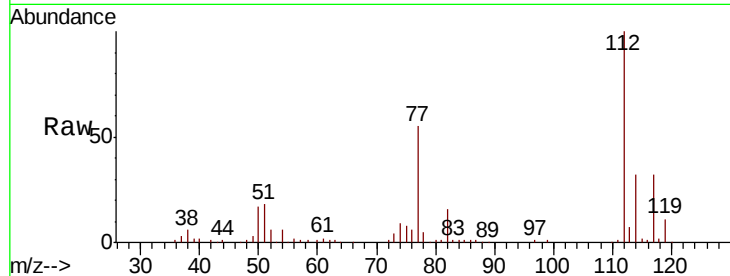




#65
Chlorobenzene
Concen: 20.086 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055764.D
Acq: 23 May 2019 19:42

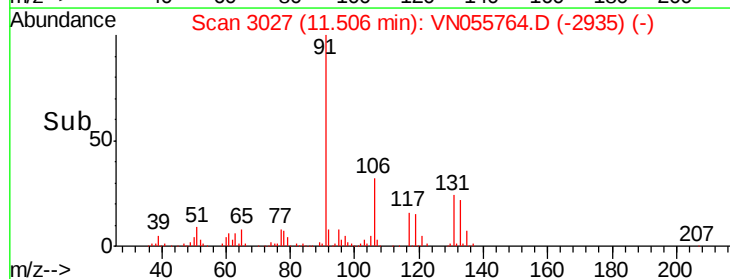
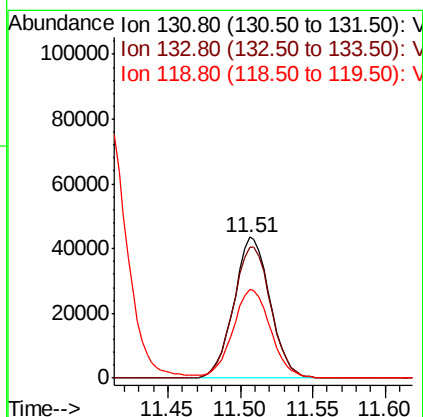
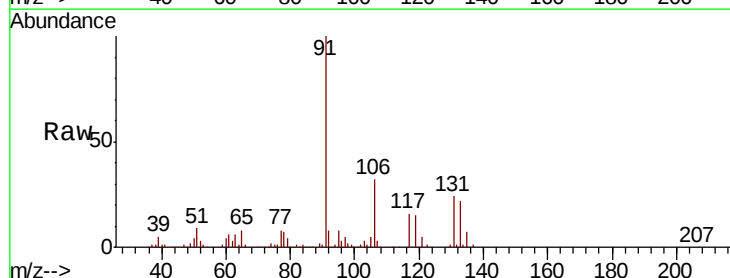
Instrument :
MSVOA_N
ClientSampled :

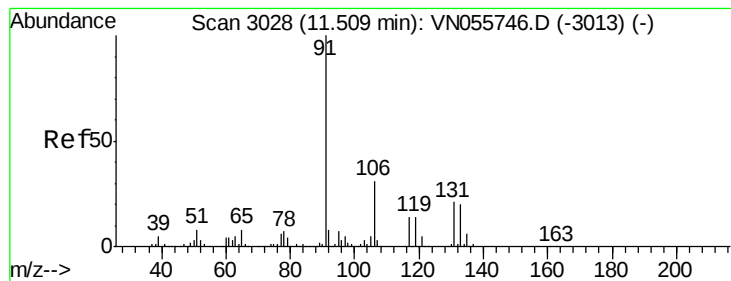
Tot Ion:112 Resp: 190089
Ion Ratio Lower Upper
112 100
114 31.9 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.040 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055764.D
Acq: 23 May 2019 19:42

Tgt Ion:131 Resp: 75639
Ion Ratio Lower Upper
131 100
133 96.3 48.0 144.0
119 65.9 33.1 99.5





#67

Ethyl Benzene

Concen: 19.464 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055746.D

Acq: 23 May 2019 19:42

Instrument :

MSVOA_N

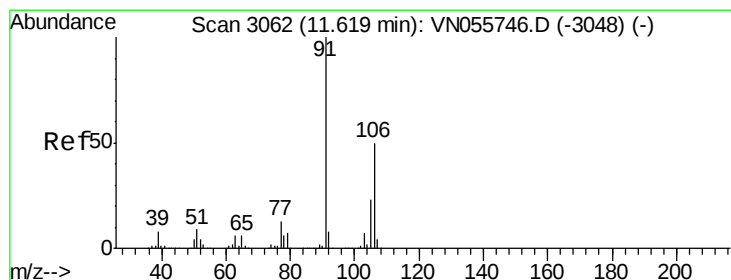
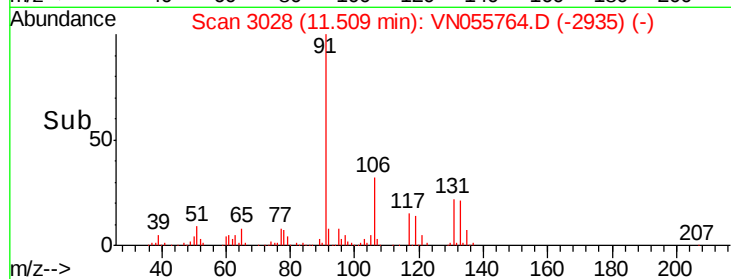
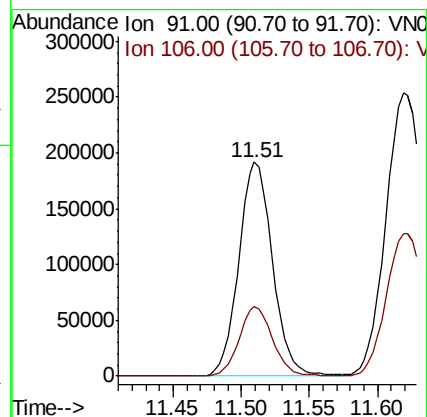
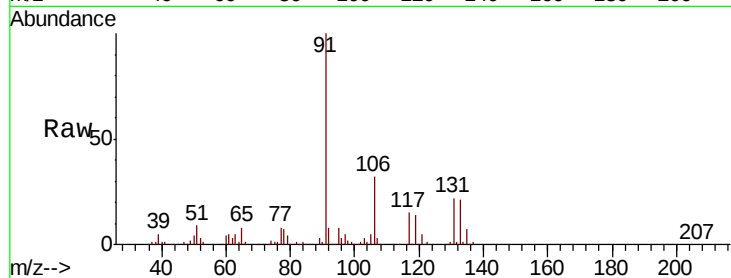
ClientSampled :

Tot Ion: 91 Resp: 330328

Ion Ratio Lower Upper

91 100

106 32.4 25.1 37.7



#68

m/p-Xylenes

Concen: 39.575 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN055746.D

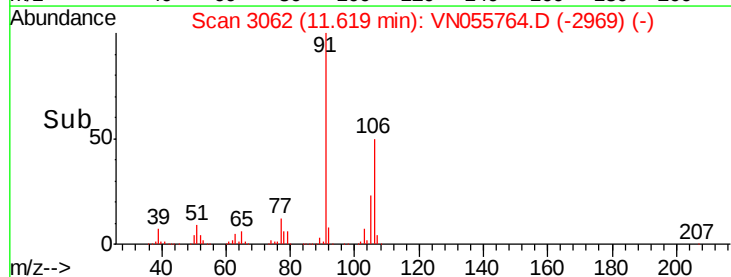
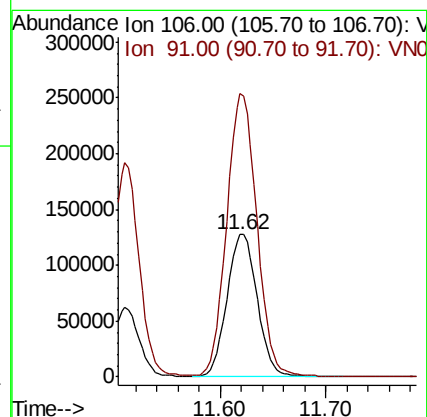
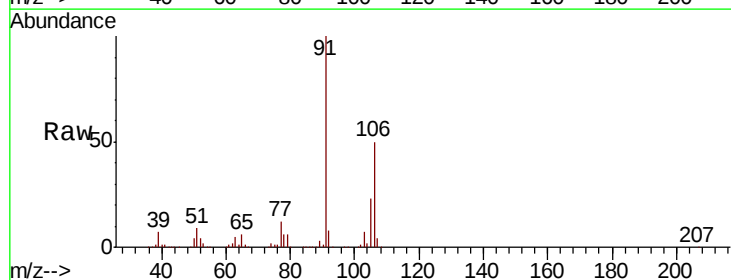
Acq: 23 May 2019 19:42

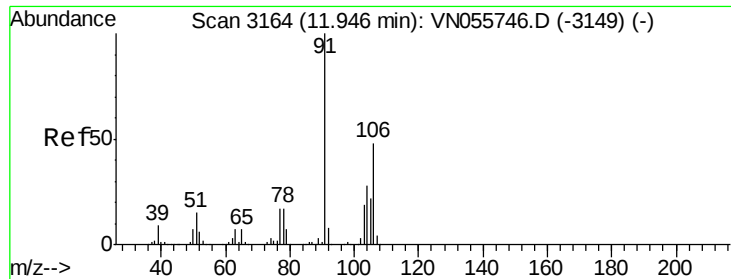
Tgt Ion:106 Resp: 253907

Ion Ratio Lower Upper

106 100

91 198.7 159.3 238.9

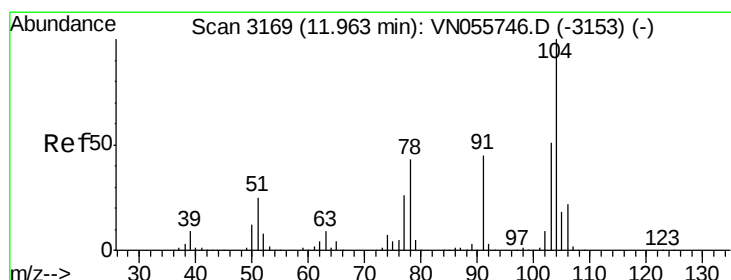
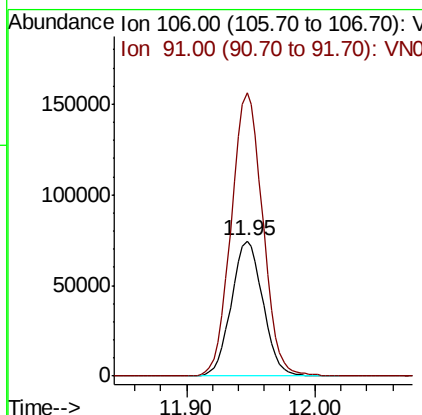
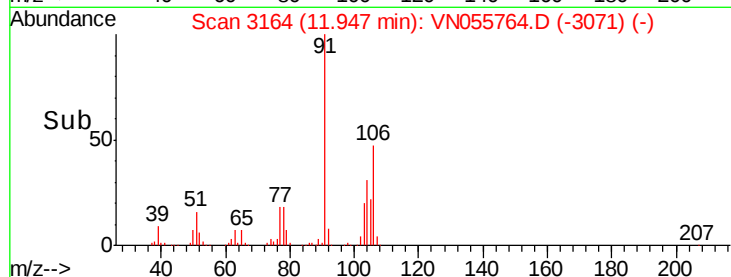
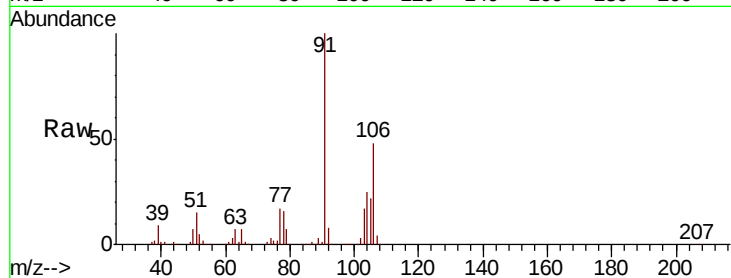




#69
o-Xylene
Concen: 19.927 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055764.D
Acq: 23 May 2019 19:42

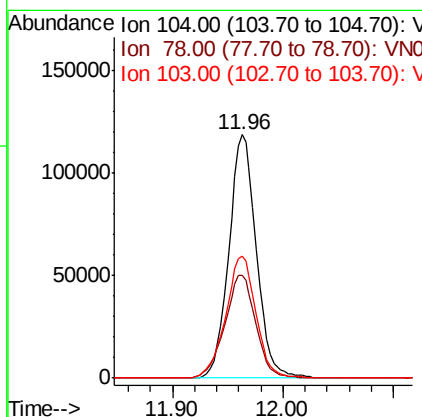
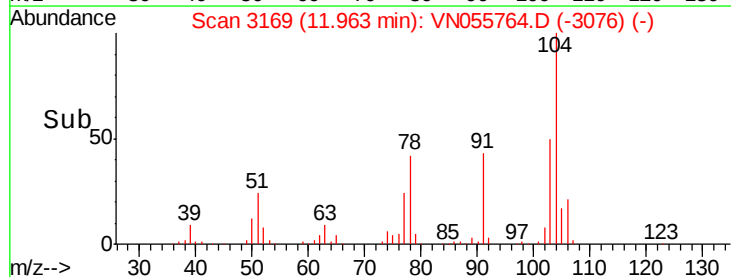
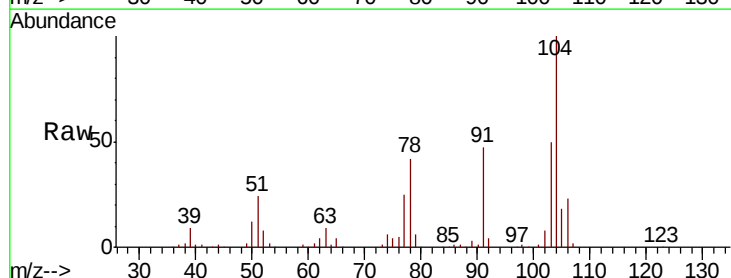
Instrument :
MSVOA_N
ClientSampleId :

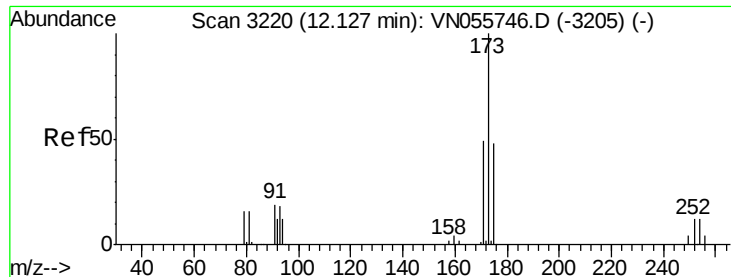
Tot Ion:106 Resp: 126841
Ion Ratio Lower Upper
106 100
91 209.2 104.7 314.1



#70
Styrene
Concen: 19.860 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055764.D
Acq: 23 May 2019 19:42

Tgt Ion:104 Resp: 204726
Ion Ratio Lower Upper
104 100
78 47.6 37.8 56.6
103 55.2 44.2 66.2





#71

Bromoform

Concen: 19.996 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

Instrument :

MSVOA_N

ClientSampled :

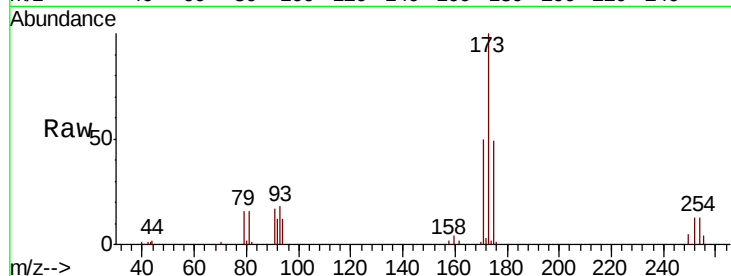
Tot Ion:173 Resp: 64377

Ion Ratio Lower Upper

173 100

175 49.1 24.3 72.8

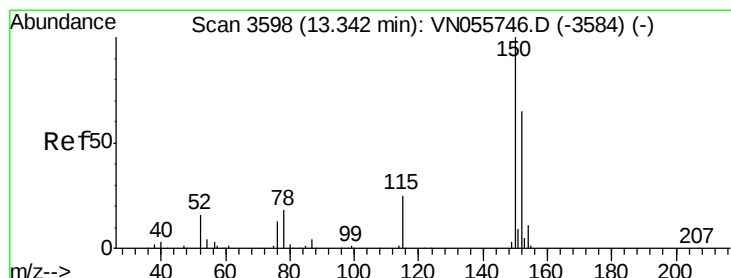
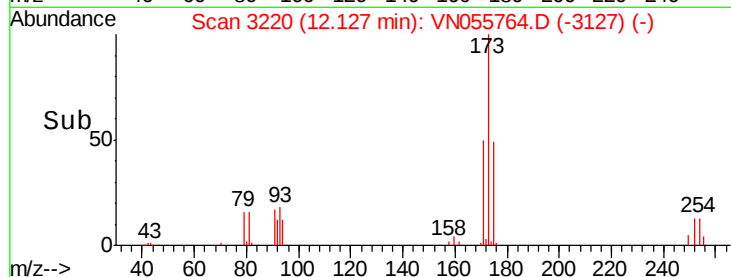
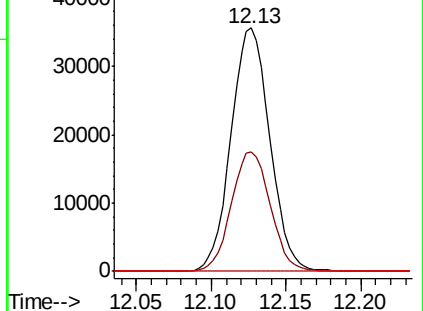
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

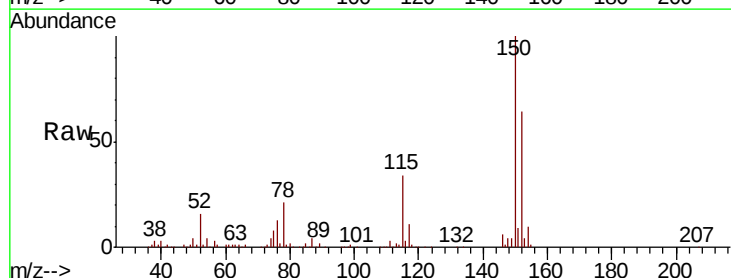
Tgt Ion:152 Resp: 203415

Ion Ratio Lower Upper

152 100

115 53.2 27.0 81.0

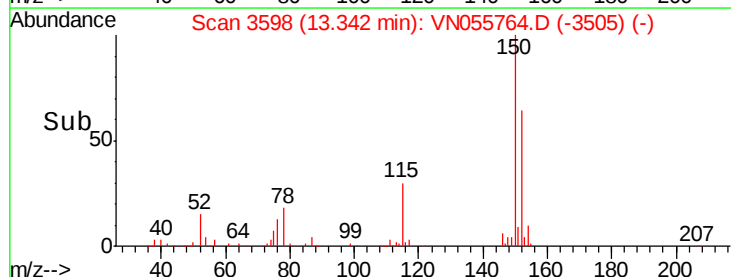
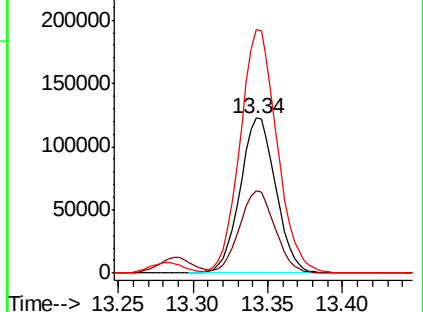
150 163.0 0.0 343.2

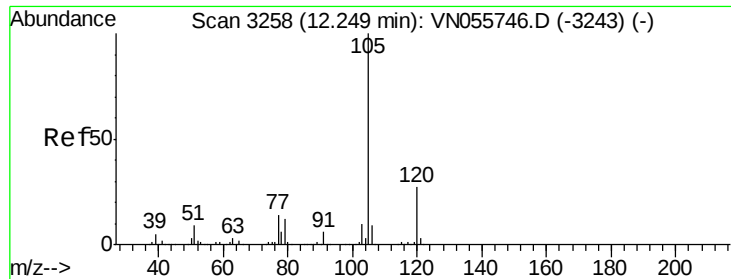


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.536 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

Instrument :

MSVOA_N

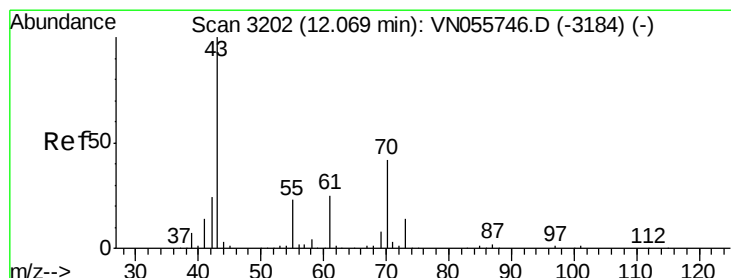
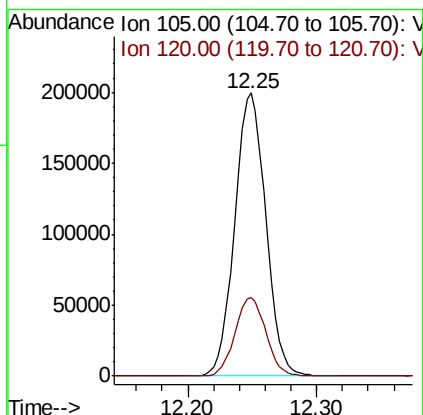
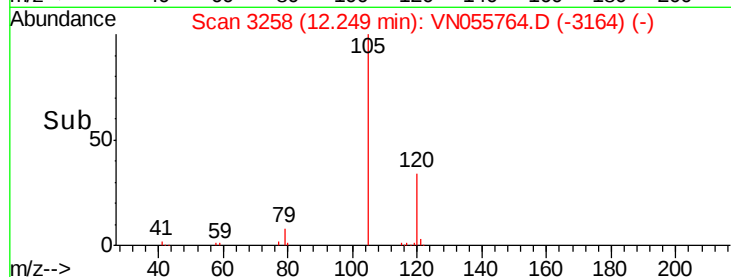
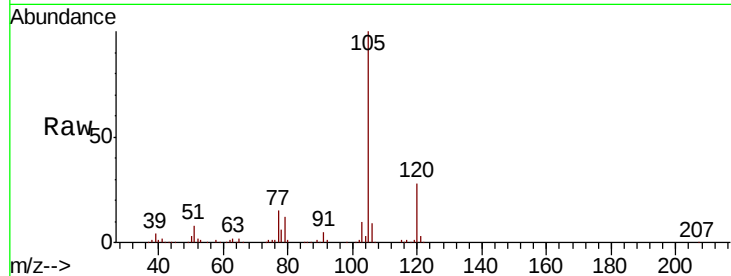
ClientSampled :

Tot Ion:105 Resp: 333583

Ion Ratio Lower Upper

105 100

120 27.7 13.6 40.7



#74

N-ethyl acetate

Concen: 19.882 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

Tgt Ion: 43 Resp: 117078

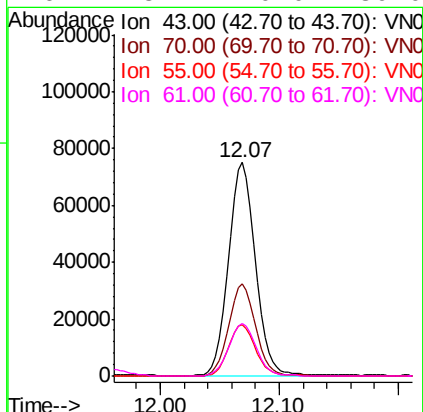
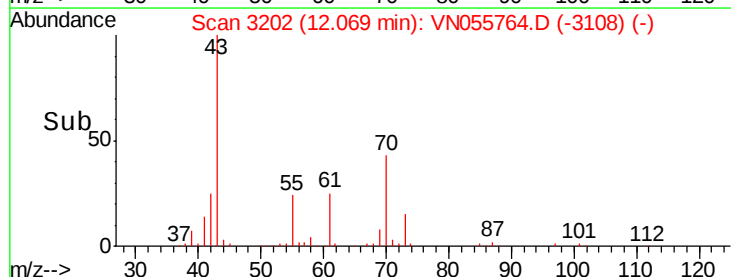
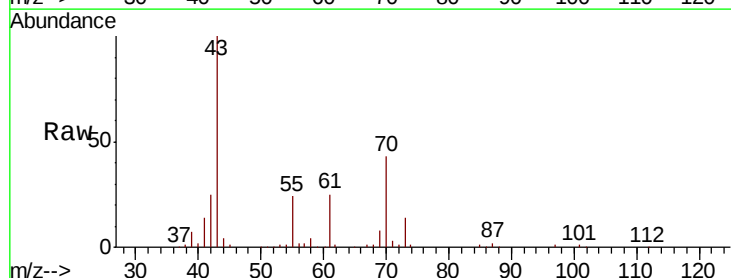
Ion Ratio Lower Upper

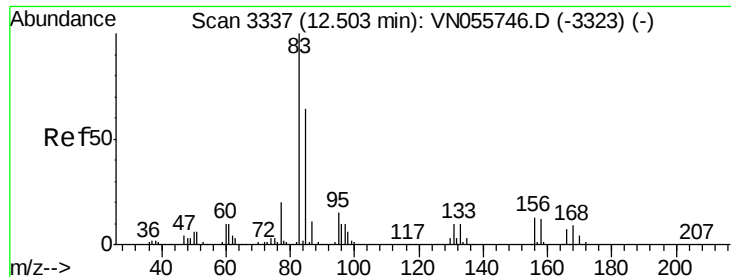
43 100

70 43.4 34.0 51.0

55 24.2 18.6 28.0

61 25.2 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.919 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

Instrument :

MSVOA_N

ClientSampleId :

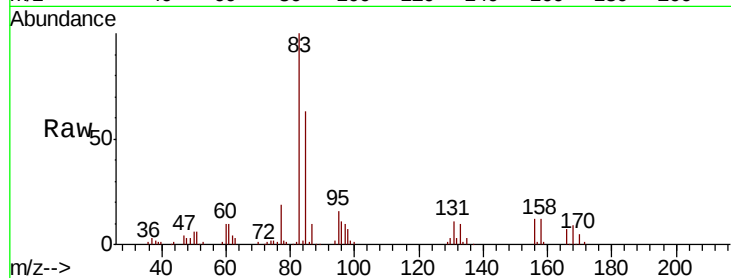
Tot Ion: 83 Resp: 97902

Ion Ratio Lower Upper

83 100

131 11.3 5.4 16.2

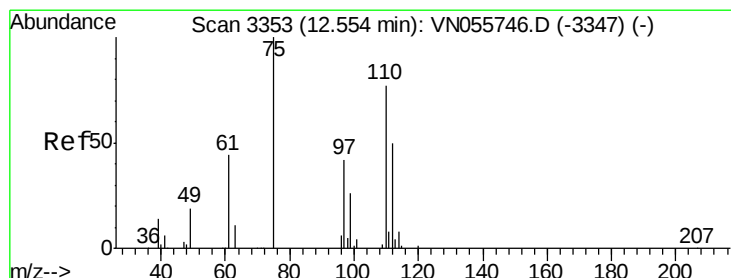
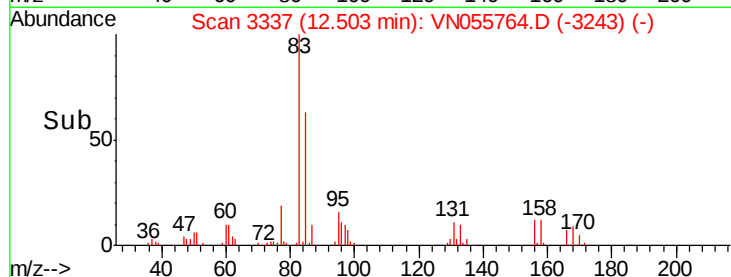
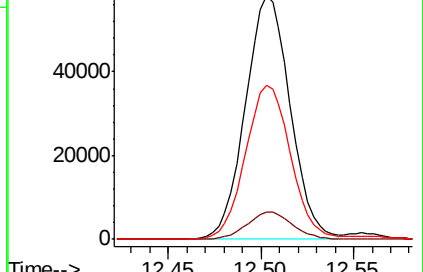
85 63.9 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN055746.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN055746.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN055746.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 32.546 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055764.D

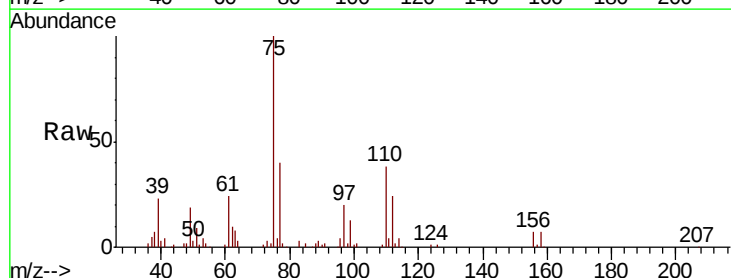
Acq: 23 May 2019 19:42

Tgt Ion: 75 Resp: 117847

Ion Ratio Lower Upper

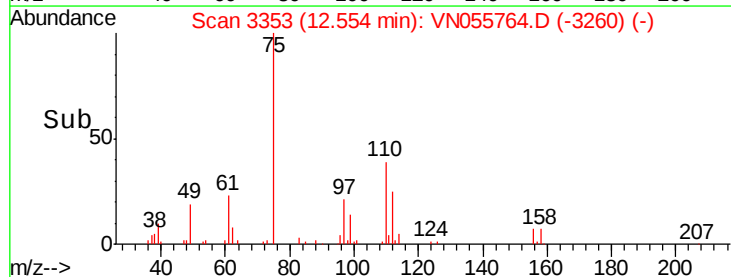
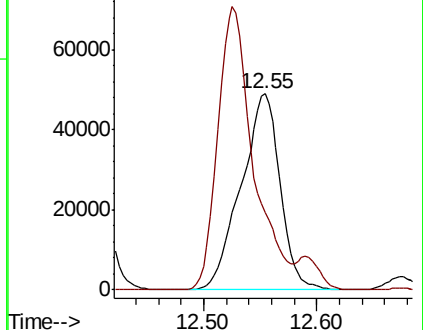
75 100

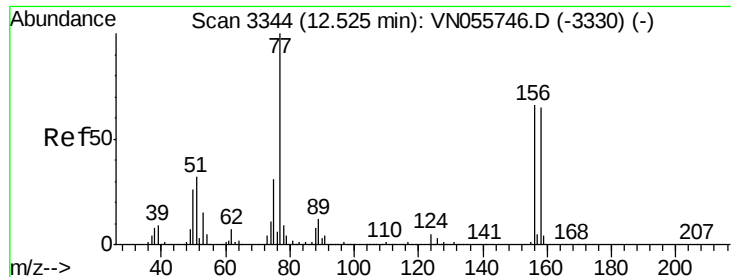
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055746.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN055746.D (-3347) (-)





#77

Bromobenzene

Concen: 20.214 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

Instrument :

MSVOA_N

ClientSampleId :

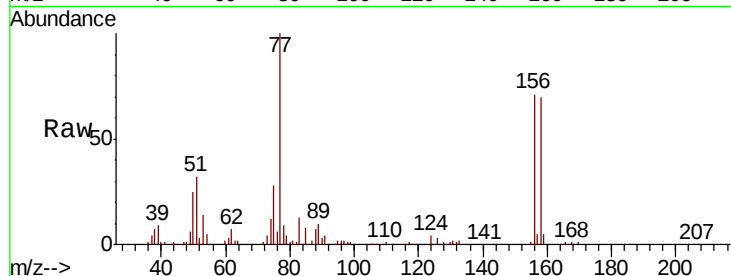
Tot Ion:156 Resp: 87741

Ion Ratio Lower Upper

156 100

77 174.9 90.8 272.5

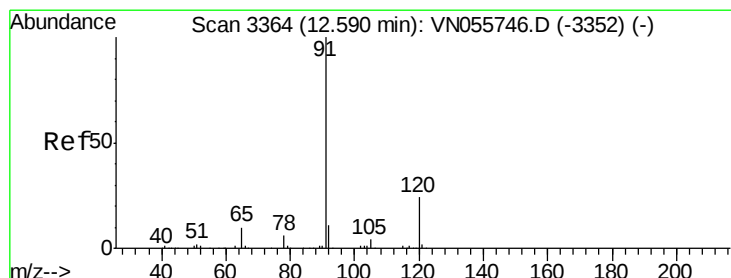
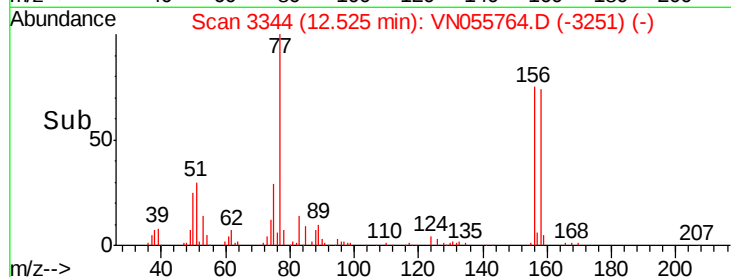
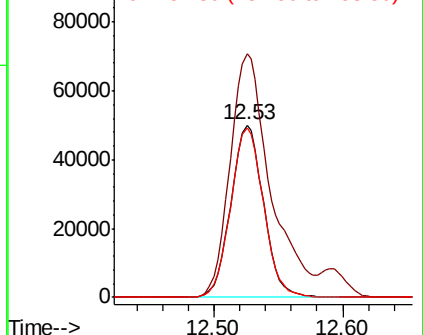
158 99.2 49.3 147.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.416 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055764.D

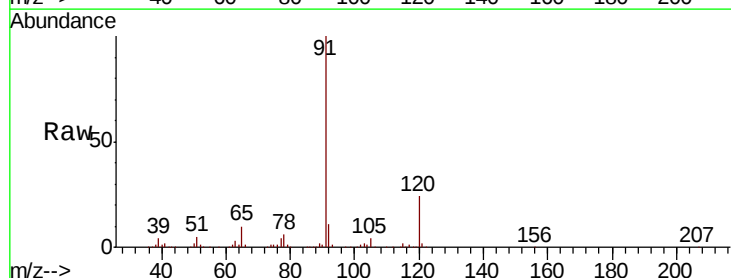
Acq: 23 May 2019 19:42

Tgt Ion: 91 Resp: 343263

Ion Ratio Lower Upper

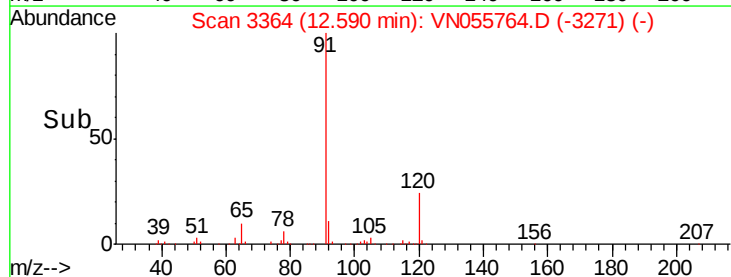
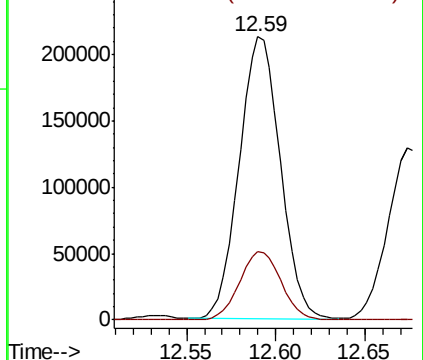
91 100

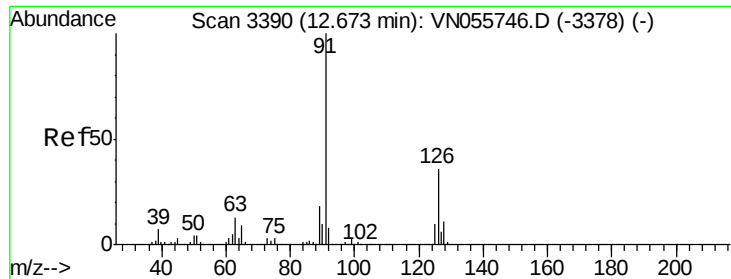
120 24.5 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.963 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

Instrument :

MSVOA_N

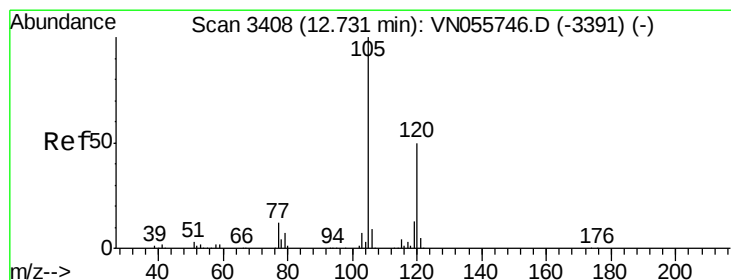
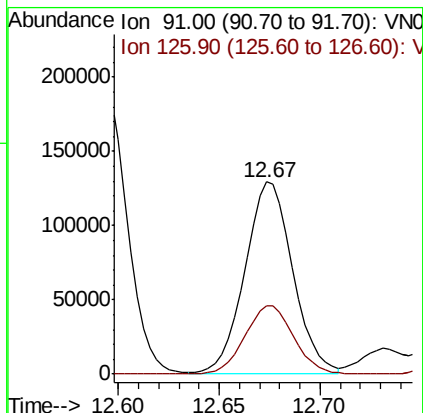
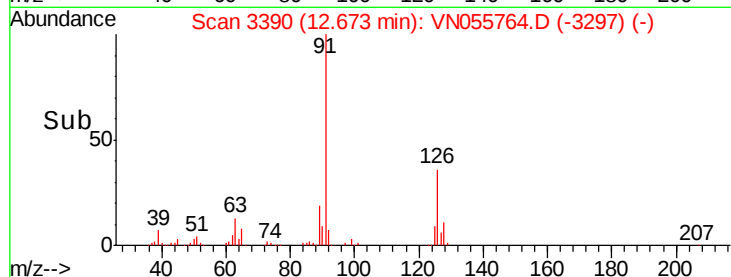
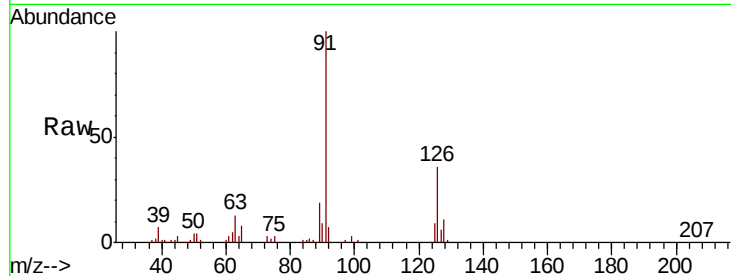
ClientSampled :

Tot Ion: 91 Resp: 213725

Ion Ratio Lower Upper

91 100

126 36.5 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: 21.068 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055764.D

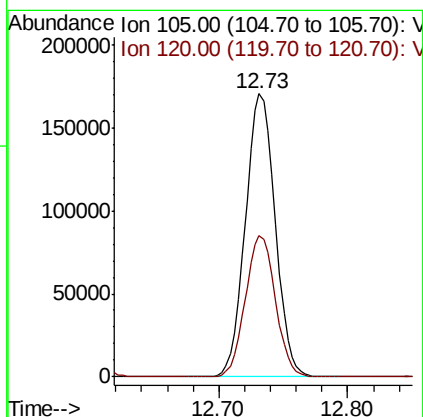
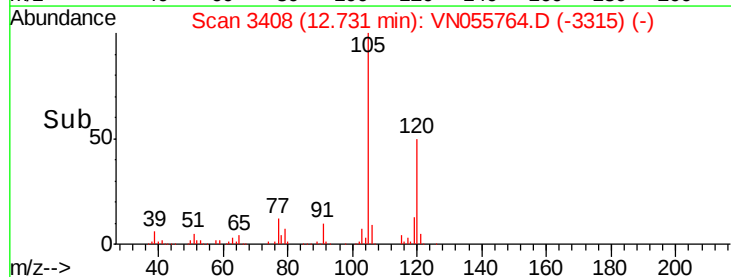
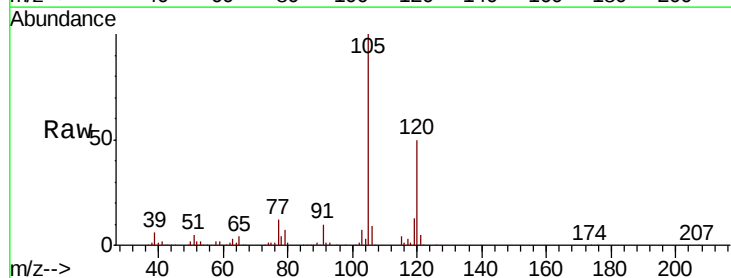
Acq: 23 May 2019 19:42

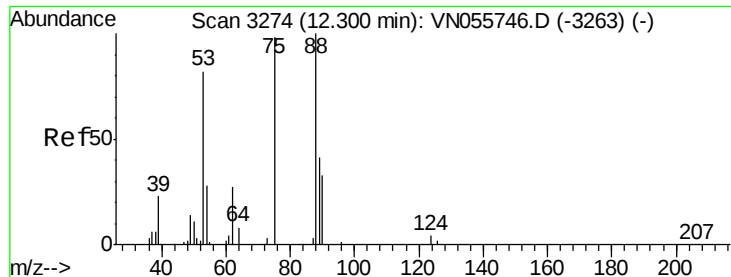
Tgt Ion:105 Resp: 274640

Ion Ratio Lower Upper

105 100

120 50.1 24.7 74.1

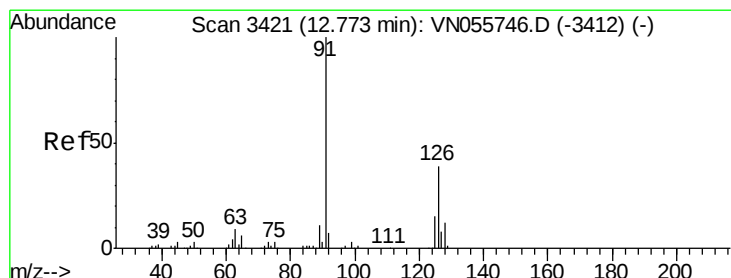
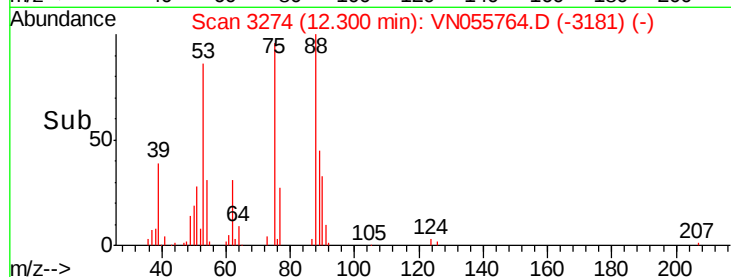
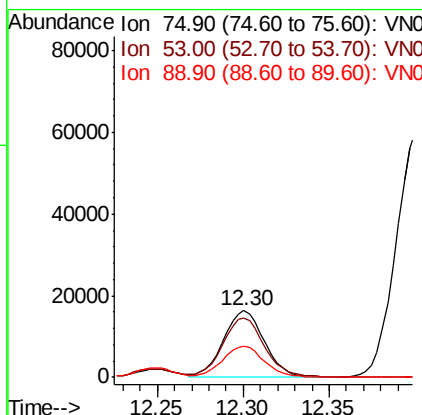
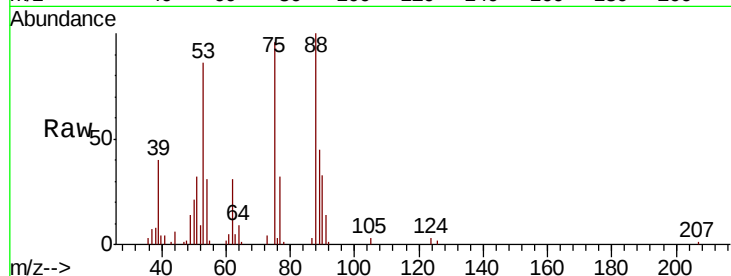




#81
trans-1,4-Dichloro-2-butene
Concen: 18.116 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055764.D
Acq: 23 May 2019 19:42

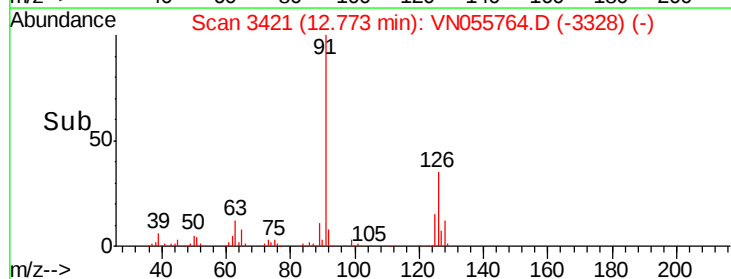
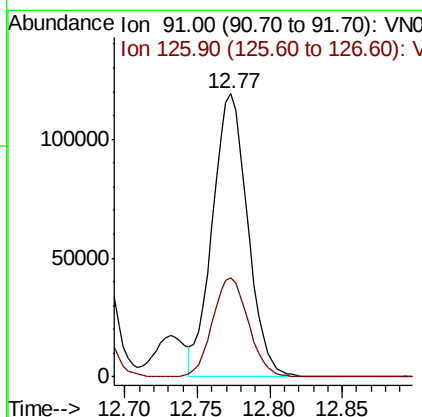
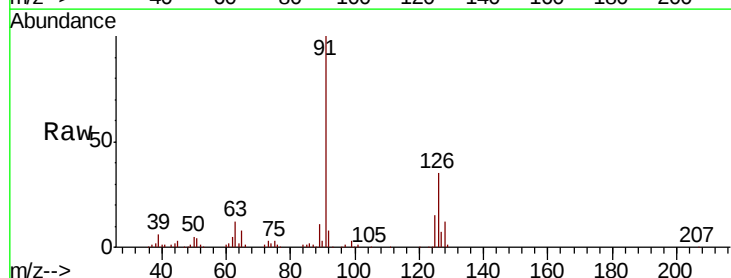
Instrument :
MSVOA_N
ClientSampled :

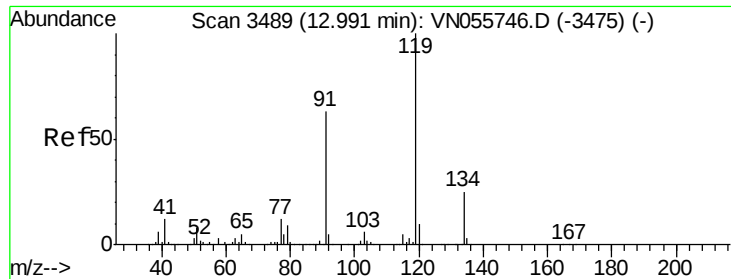
Tot Ion: 75 Resp: 27388
Ion Ratio Lower Upper
75 100
53 90.4 68.1 102.1
89 47.1 36.9 55.3



#82
4-Chlorotoluene
Concen: 19.341 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055764.D
Acq: 23 May 2019 19:42

Tgt Ion: 91 Resp: 201001
Ion Ratio Lower Upper
91 100
126 35.6 17.8 53.3

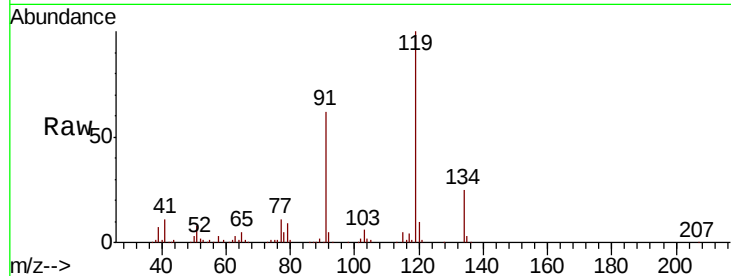




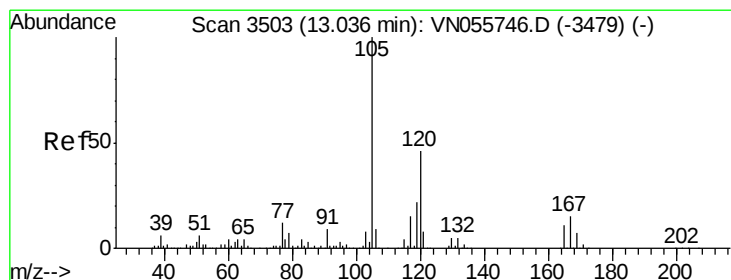
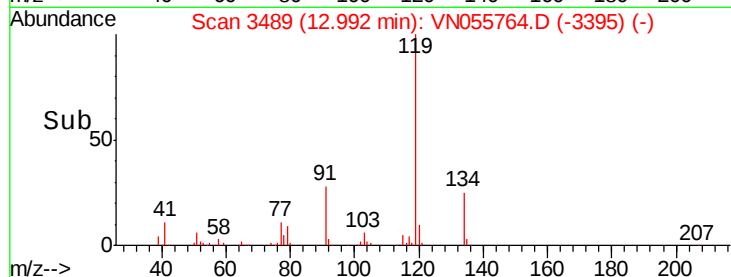
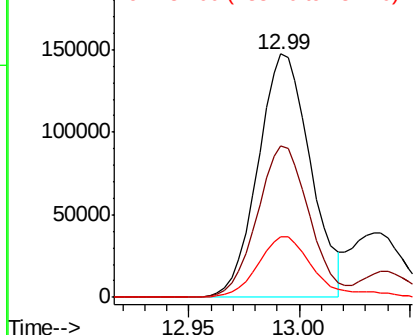
#83
tert-Butylbenzene
Concen: 21.381 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055764.D
Acq: 23 May 2019 19:42

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:119 Resp: 243331
Ion Ratio Lower Upper
119 100
91 61.6 30.9 92.8
134 26.7 13.3 39.8

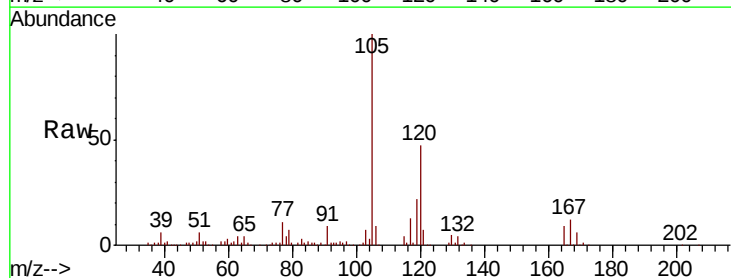


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

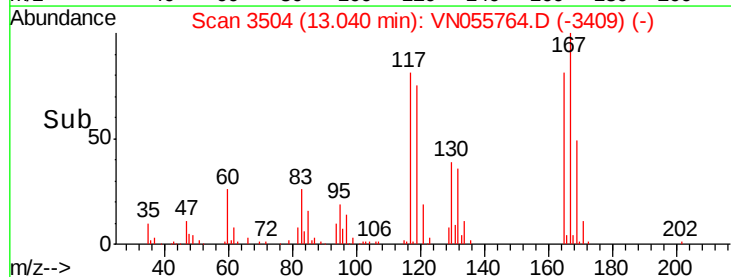
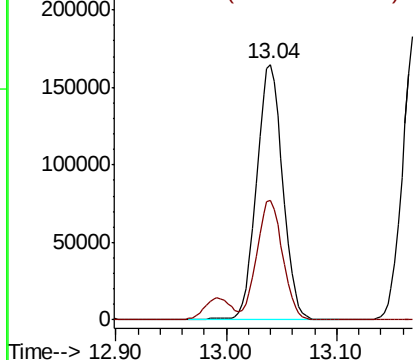


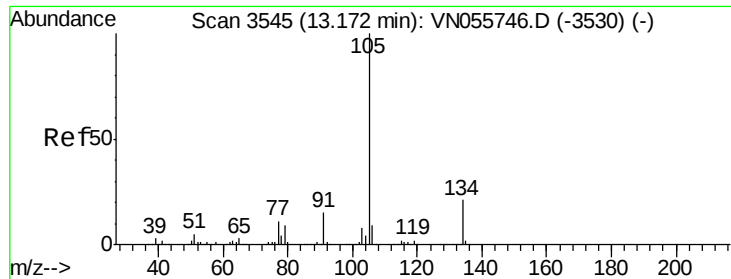
#84
1,2,4-Trimethylbenzene
Concen: 20.834 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055764.D
Acq: 23 May 2019 19:42

Tgt Ion:105 Resp: 269942
Ion Ratio Lower Upper
105 100
120 46.5 23.0 69.0



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





#85

sec-Butylbenzene

Concen: 20.937 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

Instrument :

MSVOA_N

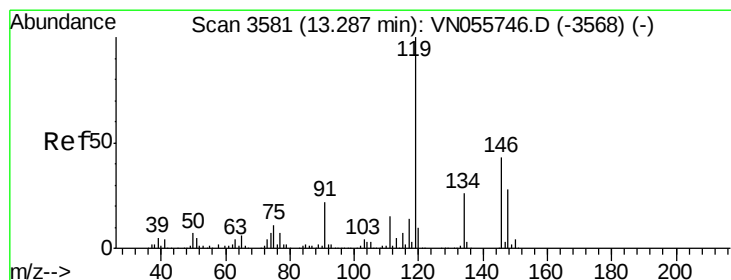
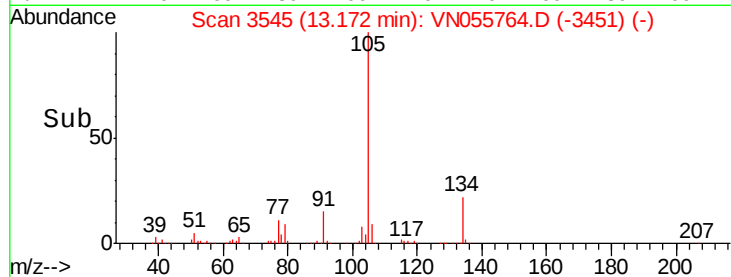
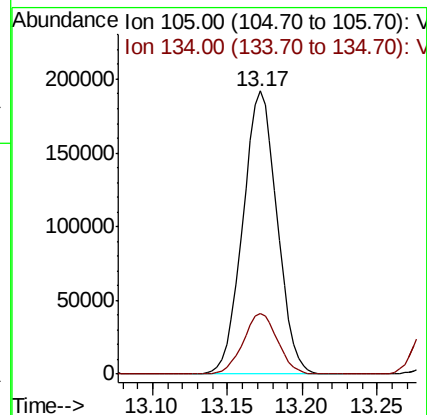
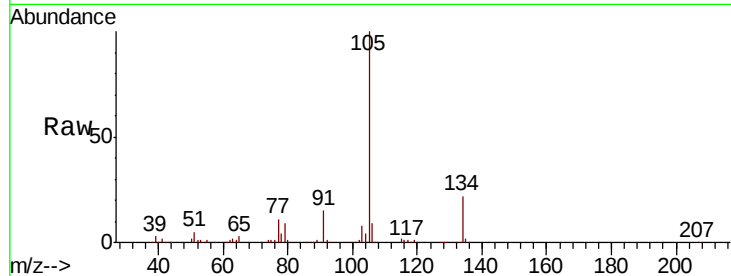
ClientSampled :

Tot Ion:105 Resp: 305497

Ion Ratio Lower Upper

105 100

134 21.6 10.4 31.2



#86

p-Isopropyltoluene

Concen: 19.841 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

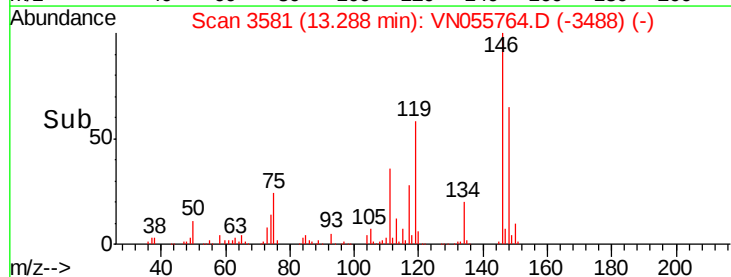
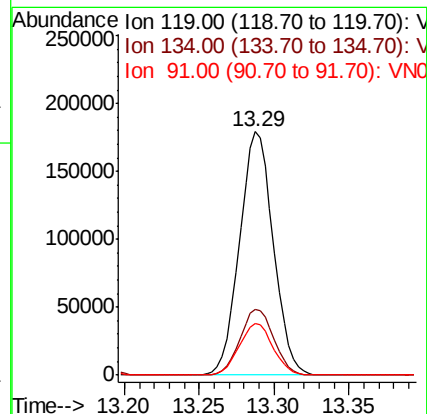
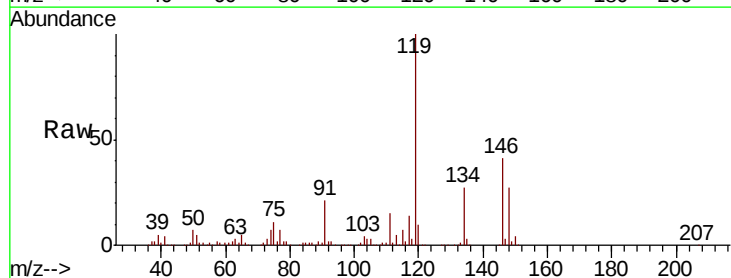
Tgt Ion:119 Resp: 280283

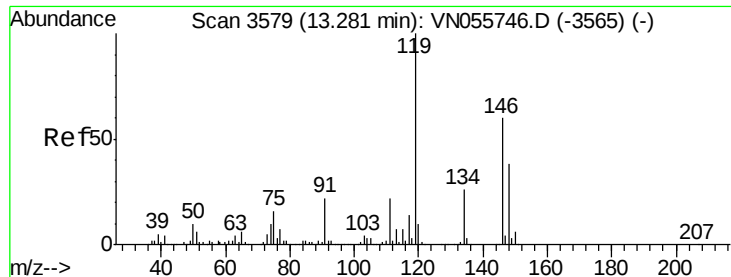
Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.1

91 21.3 10.9 32.9

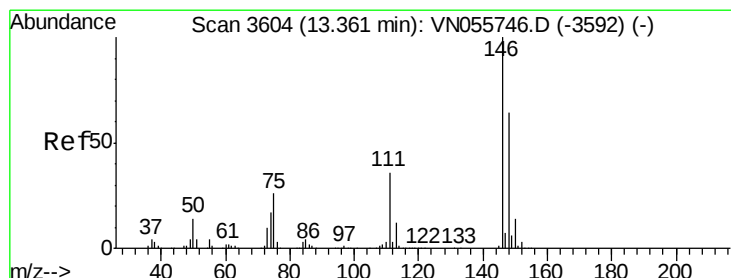
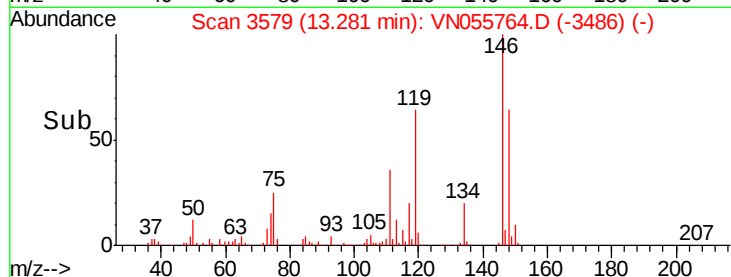
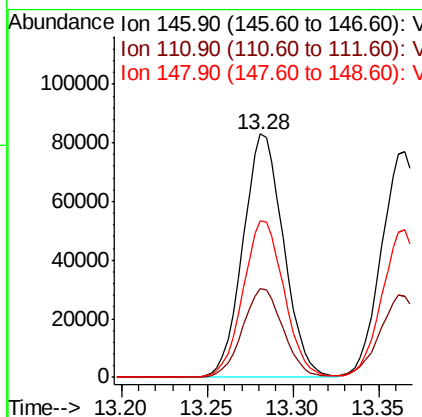
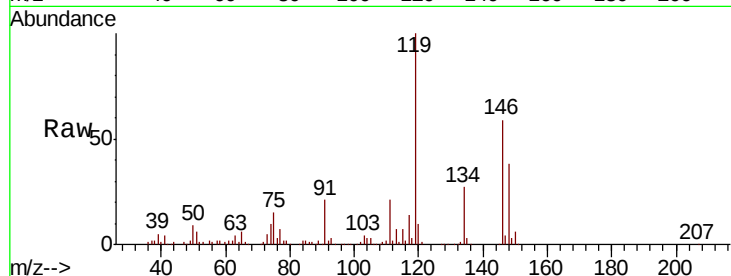




#87
 1,3-Dichlorobenzene
 Concen: 19.837 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055764.D
 Acq: 23 May 2019 19:42

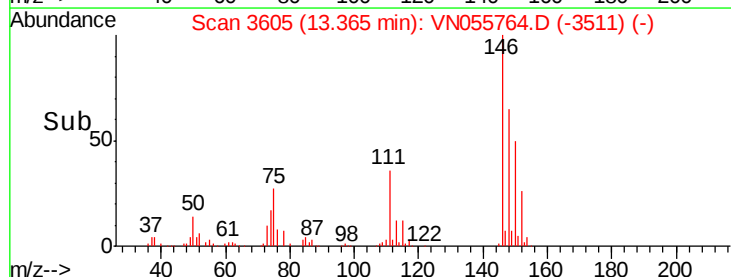
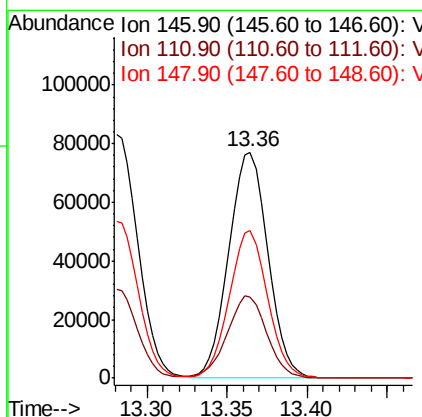
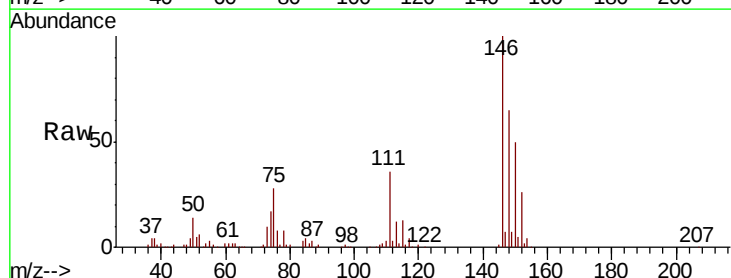
Instrument :
 MSVOA_N
 ClientSampleId :

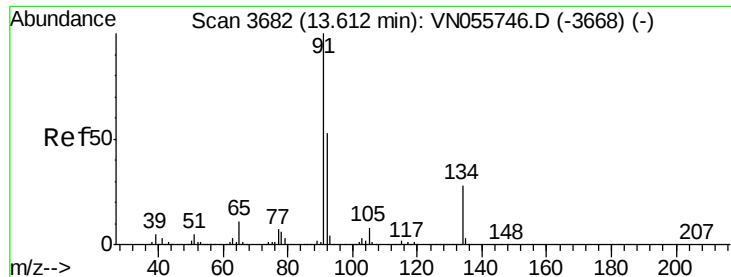
Tot Ion:146 Resp: 136341
 Ion Ratio Lower Upper
 146 100
 111 36.2 18.5 55.5
 148 64.7 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 19.703 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN055764.D
 Acq: 23 May 2019 19:42

Tgt Ion:146 Resp: 128753
 Ion Ratio Lower Upper
 146 100
 111 37.0 18.1 54.4
 148 64.0 32.1 96.5

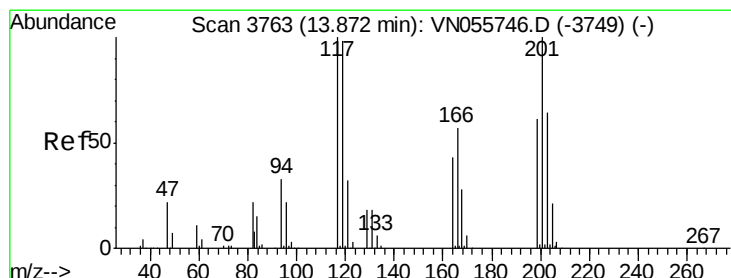
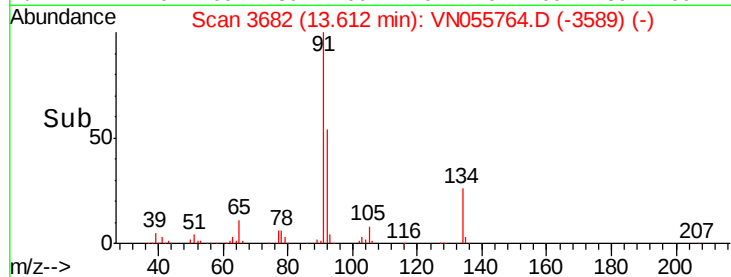
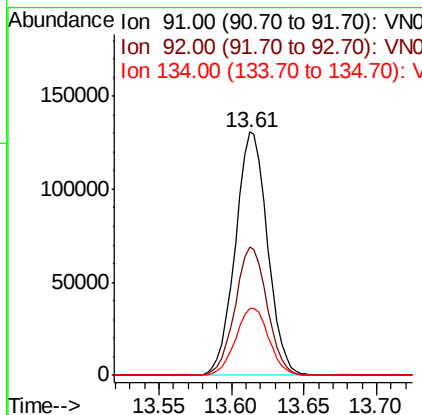
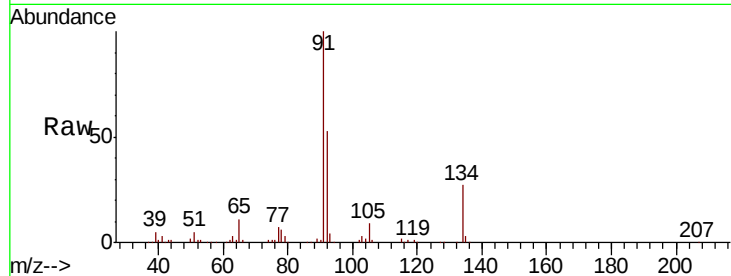




#89
n-Butylbenzene
Concen: 18.607 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055746.D
Acq: 23 May 2019 19:42

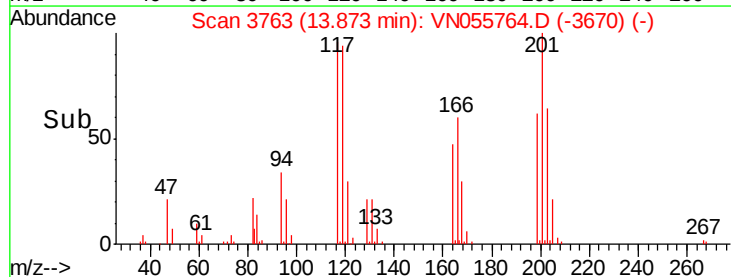
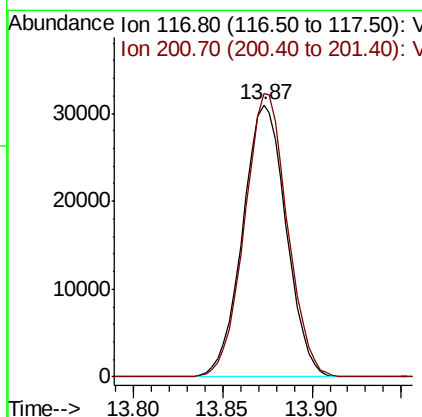
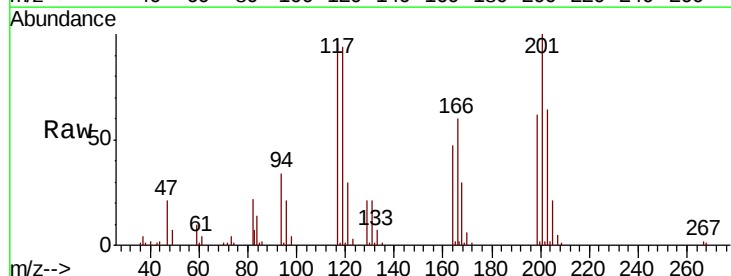
Instrument :
MSVOA_N
ClientSampleId :

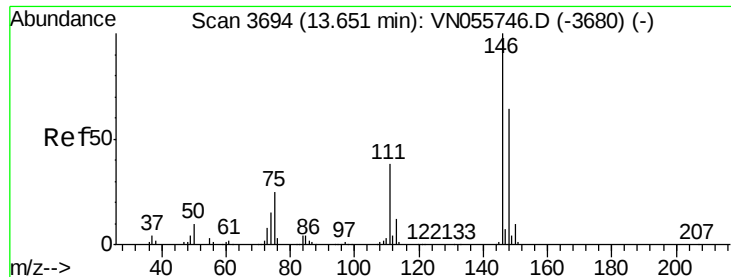
Tot Ion: 91 Resp: 201399
Ion Ratio Lower Upper
91 100
92 52.5 26.4 79.0
134 28.4 13.9 41.7



#90
Hexachloroethane
Concen: 19.596 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055746.D
Acq: 23 May 2019 19:42

Tgt Ion: 117 Resp: 52691
Ion Ratio Lower Upper
117 100
201 102.6 50.0 150.0





#91

1,2-Dichlorobenzene

Concen: 20.036 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

Instrument :

MSVOA_N

ClientSampleId :

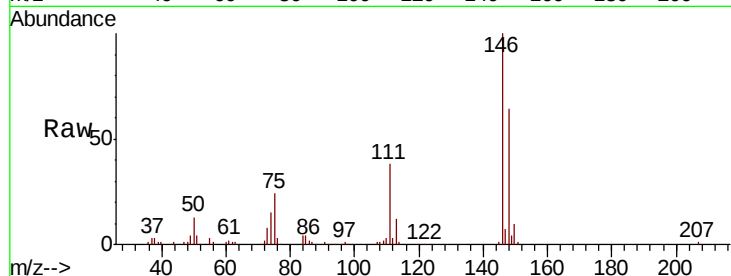
Tot Ion:146 Resp: 137392

Ion Ratio Lower Upper

146 100

111 38.3 19.1 57.5

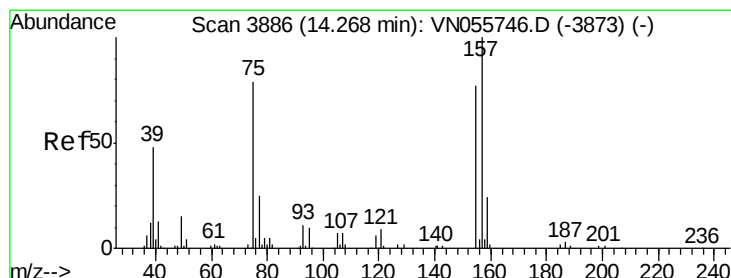
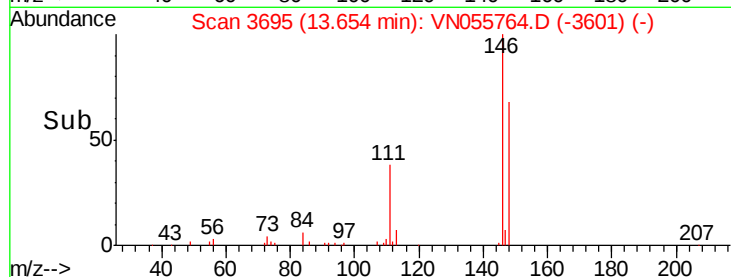
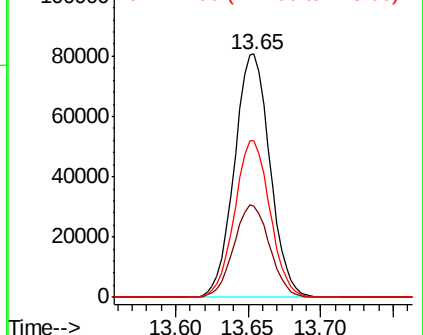
148 64.0 31.9 95.9



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: 18.832 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

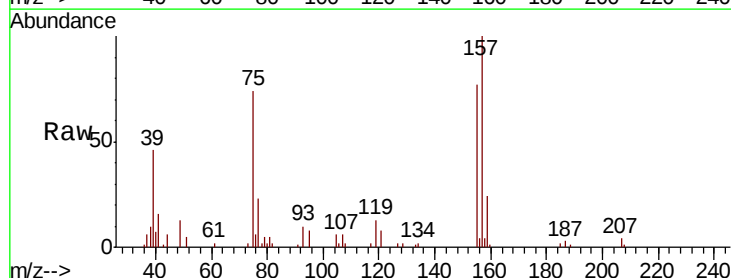
Tgt Ion: 75 Resp: 16973

Ion Ratio Lower Upper

75 100

155 106.0 50.0 150.1

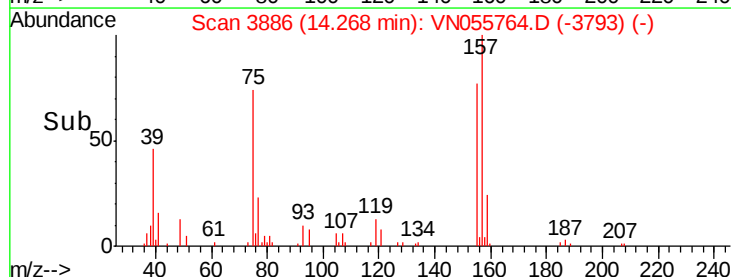
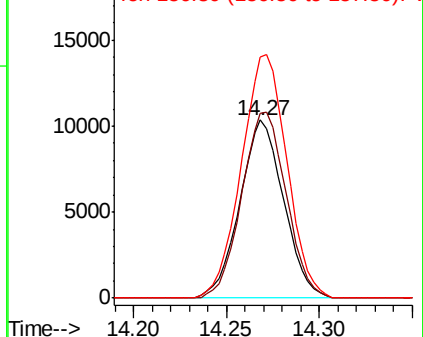
157 142.3 64.8 194.3

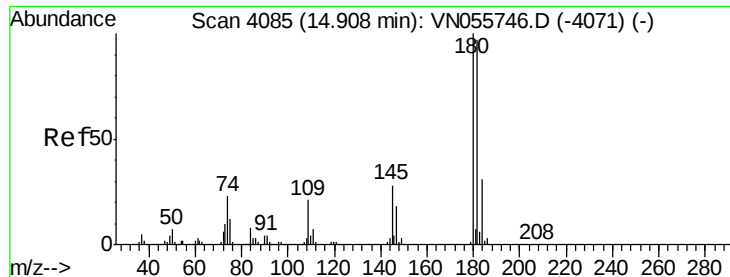


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

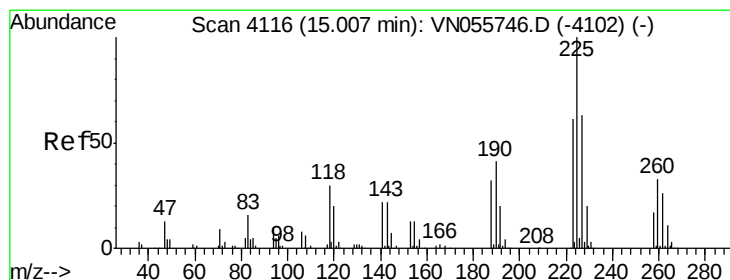
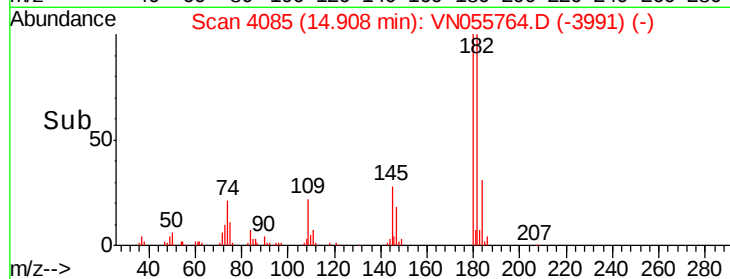
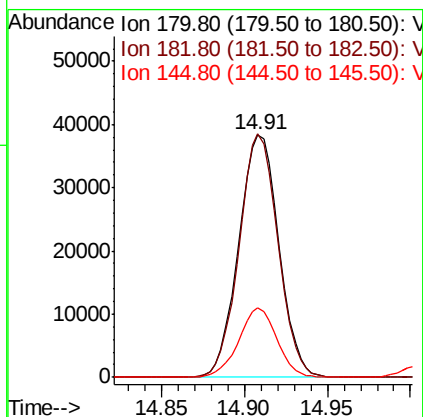
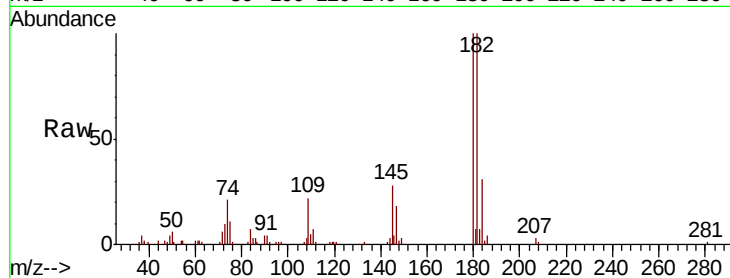




#93
 1,2,4-Trichlorobenzene
 Concen: 18.753 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055764.D
 Acq: 23 May 2019 19:42

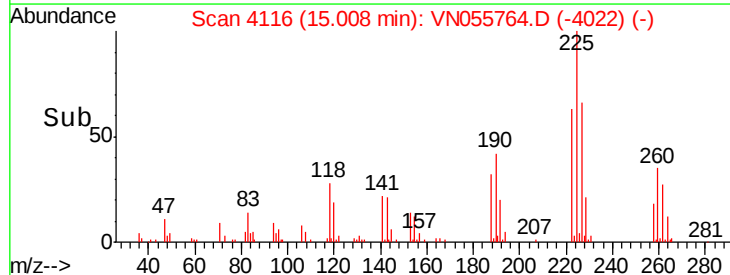
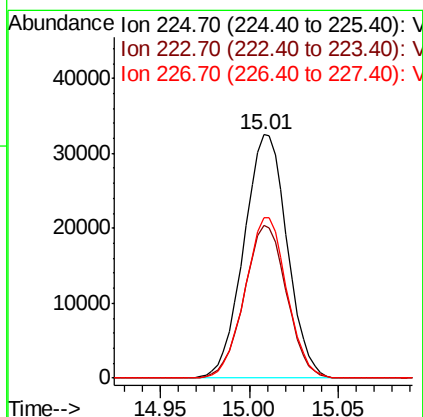
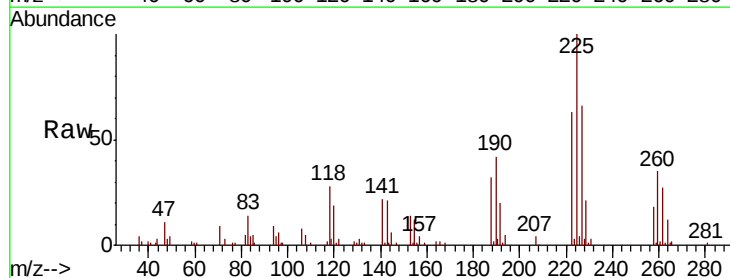
Instrument :
 MSVOA_N
 ClientSampleId :

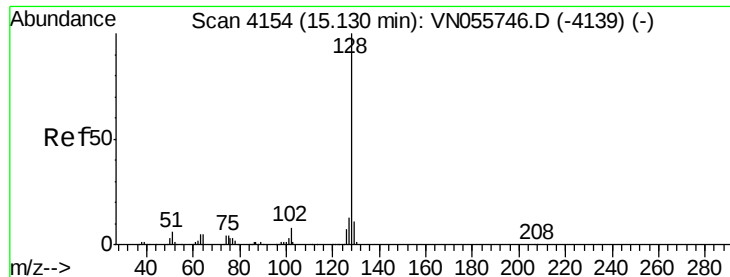
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.4	48.3	144.9
145	27.2	14.0	41.9



#94
 Hexachlorobutadiene
 Concen: 21.788 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055764.D
 Acq: 23 May 2019 19:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.3	30.9	92.7
227	63.8	31.6	94.7





#95

Naphthalene

Concen: 18.698 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

Instrument :

MSVOA_N

ClientSampled :

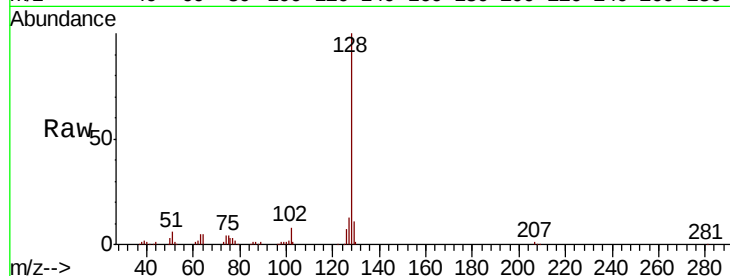
Tot Ion:128 Resp: 175942

Ion Ratio Lower Upper

128 100

127 12.6 10.3 15.5

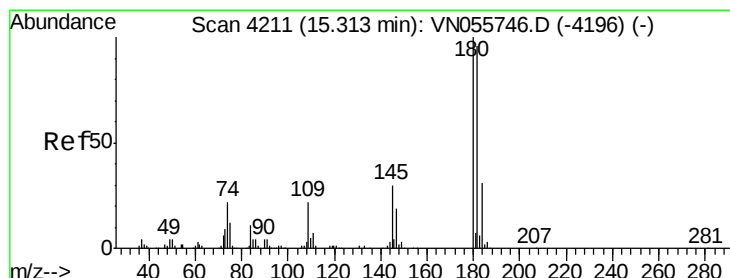
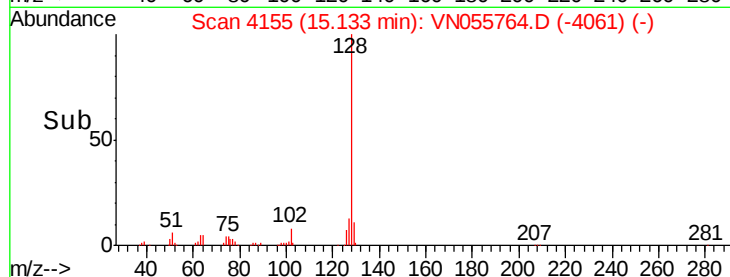
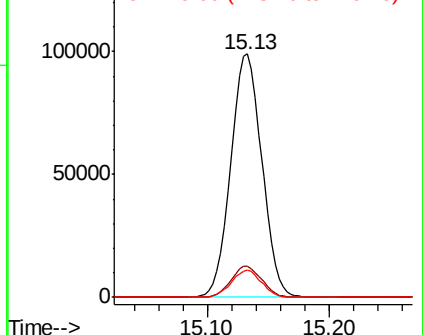
129 10.7 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.334 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

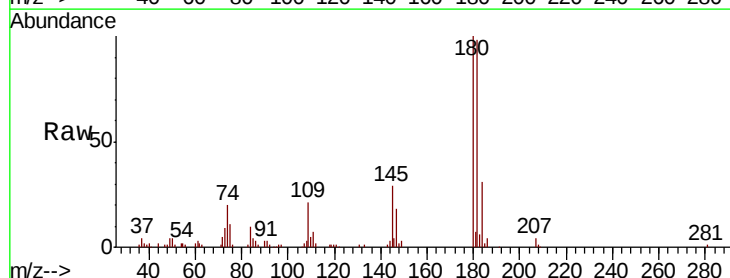
Tgt Ion:180 Resp: 70084

Ion Ratio Lower Upper

180 100

182 98.2 47.9 143.7

145 29.5 14.9 44.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

