

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101518\
 Data File : VV008271.D
 Acq On : 15 Oct 2018 11:54
 Operator : SY/MD
 Sample : VSTD00572
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 16 04:41:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 16 04:38:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	94348	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	85051	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	35761	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	25873	4.52	ug/L	0.00
7) Chloroethane-d5	1.59	69	19264	4.10	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.14	63	49429	4.45	ug/L	0.00
20) 2-Butanone-d5	3.98	46	92933	62.54	ug/L	0.00
24) Chloroform-d	4.41	84	58002	4.88	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	29760	4.97	ug/L	0.00
32) Benzene-d6	5.10	84	121392	5.43	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	41576	5.74	ug/L	0.00
41) Toluene-d8	7.36	98	110852	5.20	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	16294	6.34	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	59306	59.31	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	27396	5.51	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	33235	4.85	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	34116	5.296	ug/L 100
3) Chloromethane	1.25	50	35150	6.138	ug/L 100
5) Vinyl chloride	1.32	62	34036	5.530	ug/L 100
6) Bromomethane	1.54	94	18349	6.051	ug/L 100
8) Chloroethane	1.60	64	17849	4.513	ug/L 100
9) Trichlorofluoromethane	1.77	101	42452	4.268	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	23466	4.021	ug/L 100
12) 1,1-Dichloroethene	2.14	96	22365	4.504	ug/L 100
13) Acetone	2.23	43	47136	49.171	ug/L 100
14) Carbon disulfide	2.32	76	74695	5.547	ug/L 100
15) Methyl Acetate	2.48	43	11225	5.010	ug/L 100
16) Methylene chloride	2.54	84	23342	3.886	ug/L 100
17) Methyl tert-butyl Ether	2.82	73	65380	5.091	ug/L 100
18) trans-1,2-Dichloroethene	2.79	96	24089	4.442	ug/L 100
19) 1,1-Dichloroethane	3.23	63	47318	4.554	ug/L 100
21) 2-Butanone	4.06	43	105606	63.898	ug/L 100
22) cis-1,2-Dichloroethene	3.96	96	38048	5.812	ug/L 100
23) Bromochloromethane	4.30	128	14783	5.181	ug/L 100
25) Chloroform	4.43	83	63067	5.421	ug/L 100
27) 1,2-Dichloroethane	5.19	62	37315	5.451	ug/L 100
29) 1,1,1-Trichloroethane	4.66	97	50754	5.289	ug/L 100
30) Cyclohexane	4.72	56	65546	7.338	ug/L 100
31) Carbon tetrachloride	4.87	117	42989	5.041	ug/L 100
33) Benzene	5.15	78	141782	6.225	ug/L 100
34) Trichloroethene	5.96	95	38843	5.866	ug/L 100
35) Methylcyclohexane	6.18	83	64409	6.681	ug/L 100
37) 1,2-Dichloropropane	6.23	63	39482	6.348	ug/L 100
38) Bromodichloromethane	6.56	83	44695	5.983	ug/L 100
39) cis-1,3-Dichloropropene	7.07	75	54846	6.751	ug/L 100
40) 4-Methyl-2-pentanone	7.29	43	248300	68.853	ug/L 100

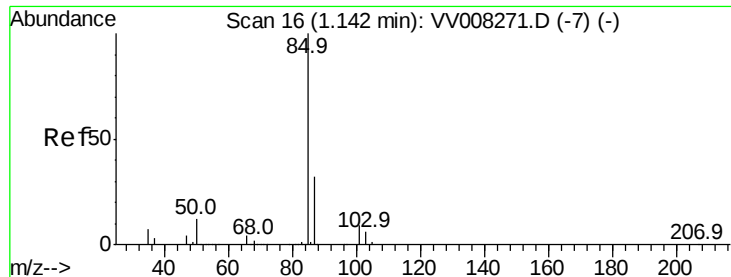
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101518\
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 Operator : SY/MD
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Quant Time: Oct 16 04:41:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 16 04:38:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	146770	6.136	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	43792	6.678	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	24314	5.785	ug/L	100
47) Tetrachloroethene	8.02	164	24136	4.421	ug/L	100
48) 2-Hexanone	8.19	43	187090	74.917	ug/L	100
49) Dibromochloromethane	8.29	129	27615	5.347	ug/L	100
50) 1,2-Dibromoethane	8.40	107	22860	5.951	ug/L	100
51) Chlorobenzene	8.93	112	88644	5.458	ug/L	100
52) Ethylbenzene	9.06	91	161168	6.150	ug/L	100
53) m,p-xylene	9.18	106	60019	6.089	ug/L	100
54) o-xylene	9.59	106	58418	6.164	ug/L	100
55) Styrene	9.61	104	94478	5.972	ug/L	100
56) Isopropylbenzene	9.98	105	150990	5.884	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	28859	5.880	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	22139	6.185	ug/L	100
61) Bromoform	9.78	173	13452	5.875	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	61406	5.587	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	58683	5.326	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	58372	5.517	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	4240	7.108	ug/L	100
67) 1,3,5-Trichlorobenzene	12.70	180	40449	4.558	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	28694	4.405	ug/L	100
69) Naphthalene	13.56	128	52848	5.865	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	28177	4.520	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 5.296 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV008271.D

Acq: 15 Oct 2018 11:54

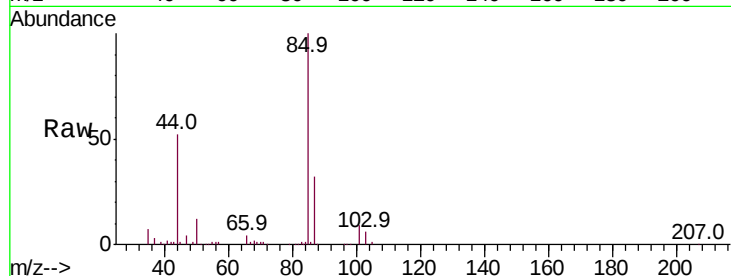
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 34116

Ion Ratio Lower Upper

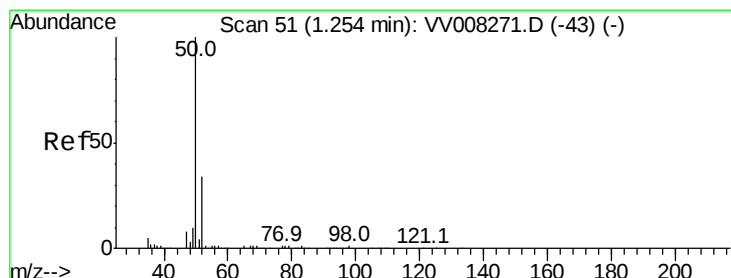
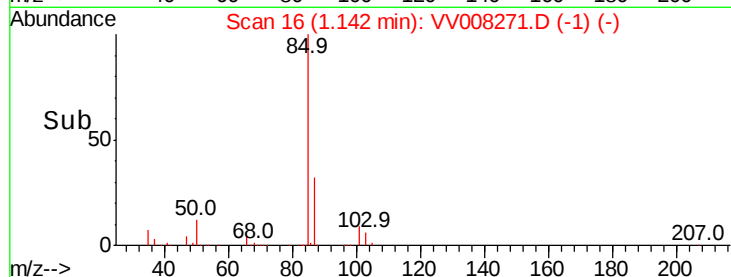
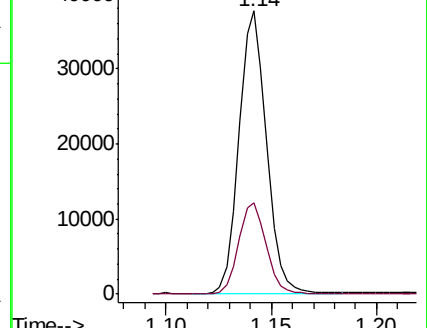
85 100

87 32.2 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VV008271.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV008271.D (-7) (-)



#3

Chloromethane

Concen: 6.138 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV008271.D

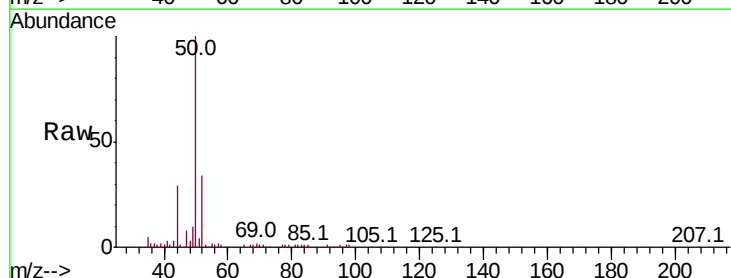
Acq: 15 Oct 2018 11:54

Tgt Ion: 50 Resp: 35150

Ion Ratio Lower Upper

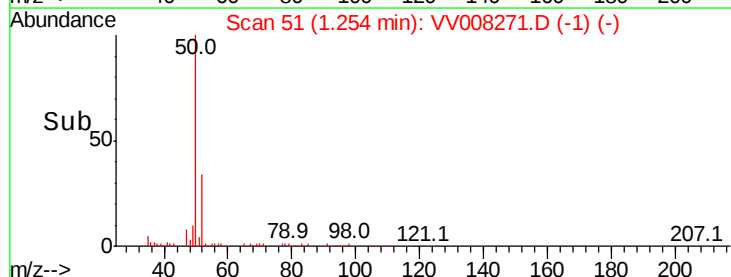
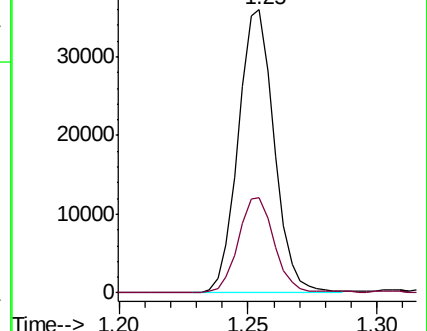
50 100

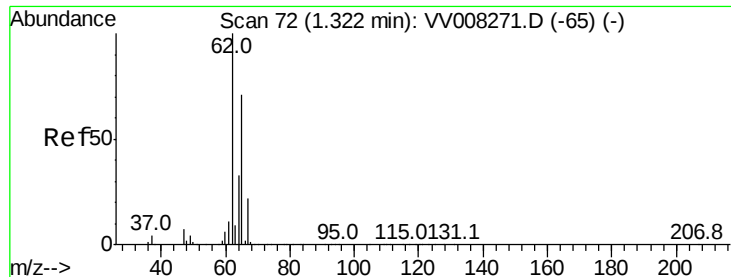
52 33.8 23.7 43.9



Abundance Ion 50.05 (49.75 to 50.75): VV008271.D (-43) (-)

Ion 52.05 (51.75 to 52.75): VV008271.D (-43) (-)





#5

Vinyl chloride

Concen: 5.530 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV008271.D

Acq: 15 Oct 2018 11:54

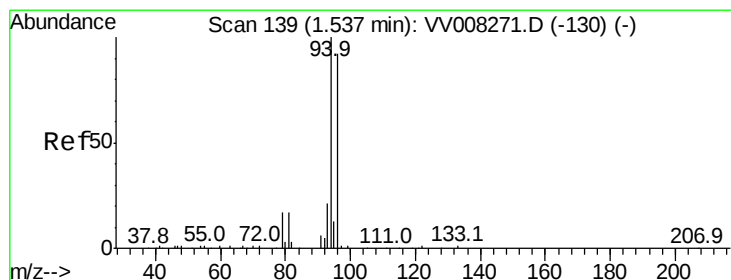
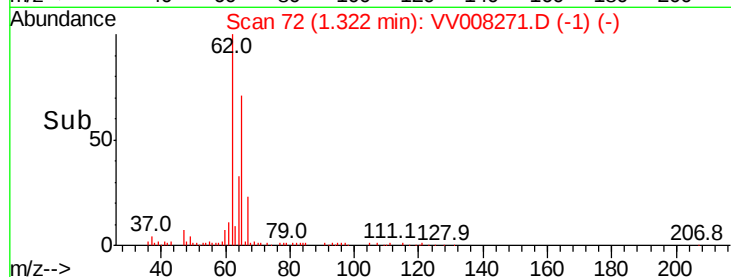
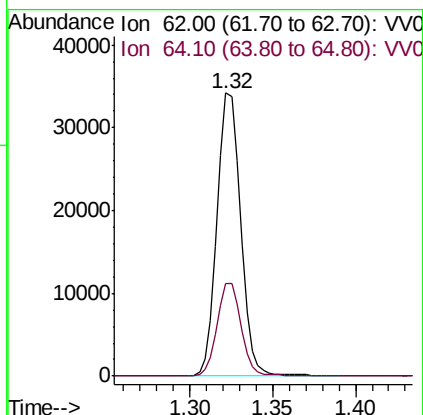
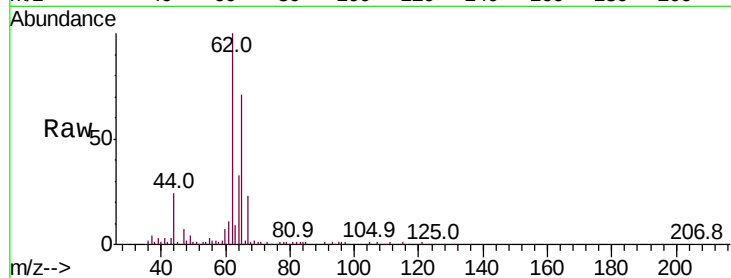
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 34036

Ion Ratio Lower Upper

62 100

64 32.7 22.9 42.5



#6

Bromomethane

Concen: 6.051 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV008271.D

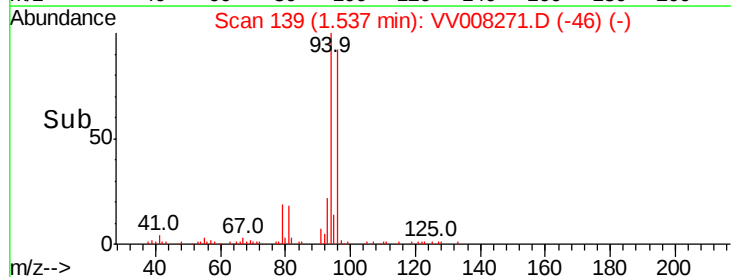
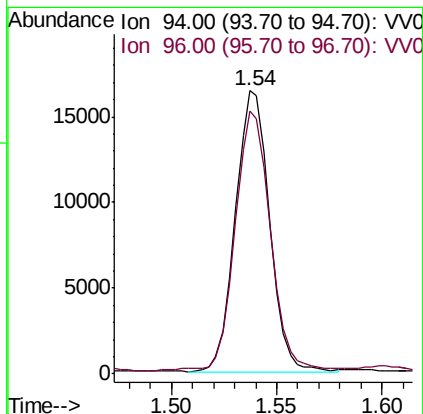
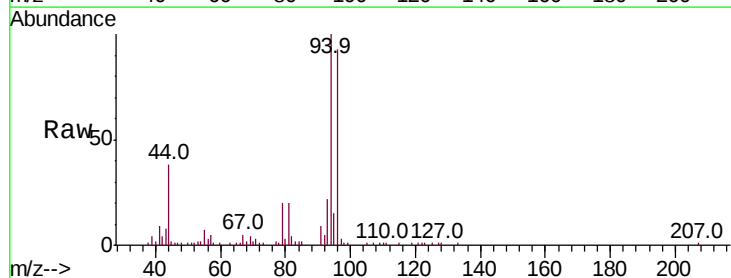
Acq: 15 Oct 2018 11:54

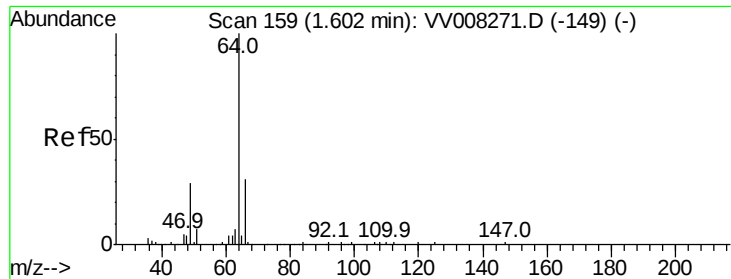
Tgt Ion: 94 Resp: 18349

Ion Ratio Lower Upper

94 100

96 92.9 65.0 120.8

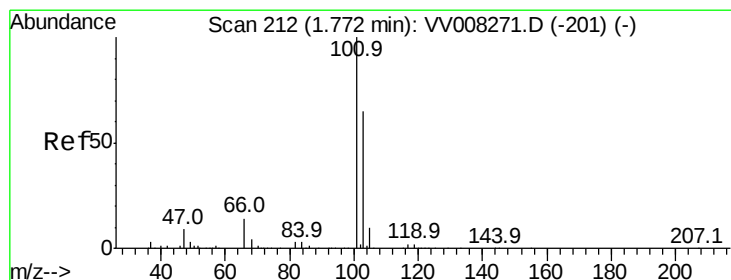
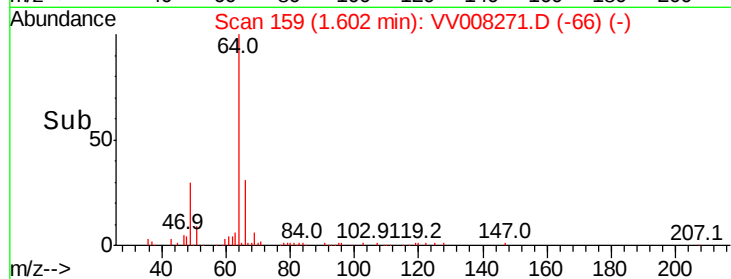
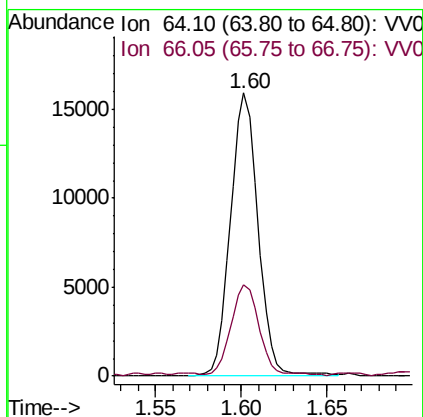
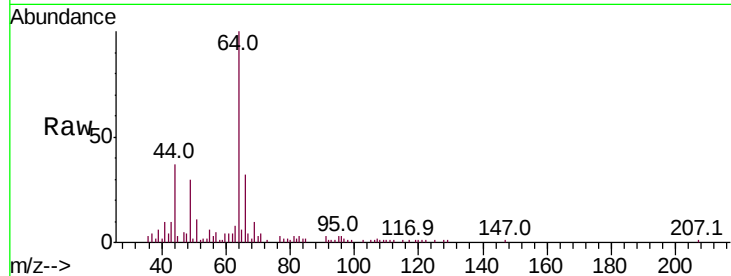




#8
Chloroethane
Concen: 4.513 ug/L
RT: 1.60 min Scan# 159
Delta R.T. 0.00 min
Lab File: VV008271.D
Acq: 15 Oct 2018 11:54

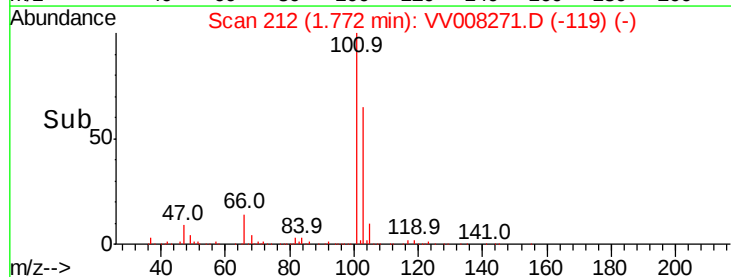
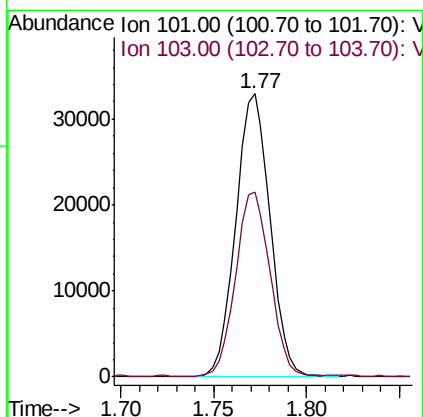
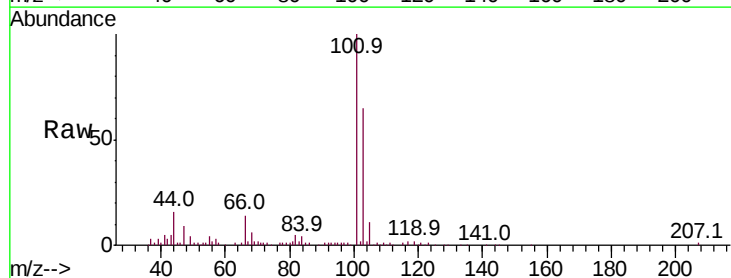
Instrument :
MSVOA_V
ClientSampleId :

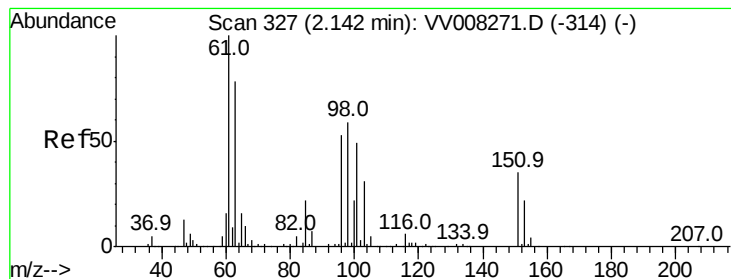
Tot Ion: 64 Resp: 17849
Ion Ratio Lower Upper
64 100
66 32.2 22.5 41.9



#9
Trichlorofluoromethane
Concen: 4.268 ug/L
RT: 1.77 min Scan# 212
Delta R.T. 0.00 min
Lab File: VV008271.D
Acq: 15 Oct 2018 11:54

Tgt Ion: 101 Resp: 42452
Ion Ratio Lower Upper
101 100
103 64.7 51.8 77.6





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 4.021 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV008271.D

Acq: 15 Oct 2018 11:54

Instrument :
MSVOA_V
ClientSampled :

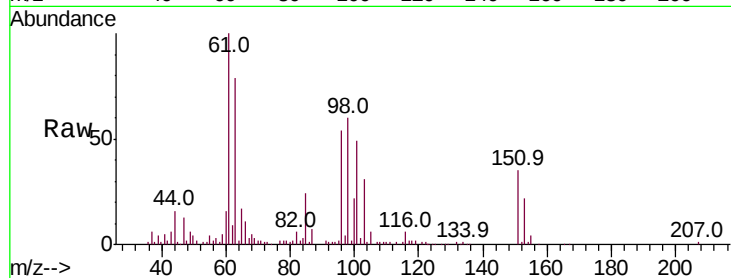
Tot Ion:101 Resp: 23466

Ion Ratio Lower Upper

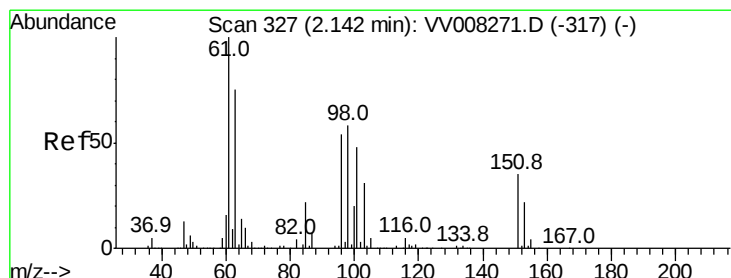
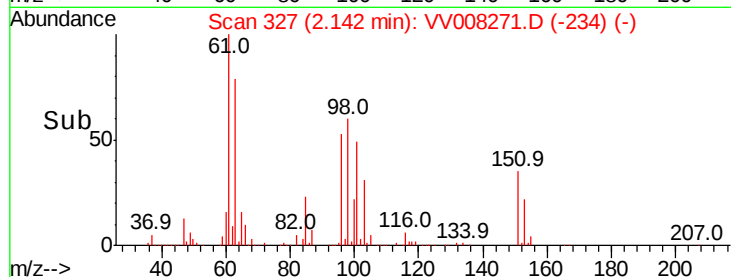
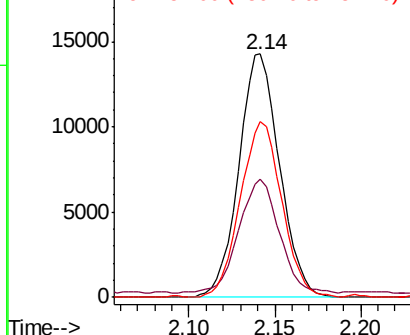
101 100

85 46.8 37.4 56.2

151 73.8 59.0 88.6



Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VV0
Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.504 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV008271.D

Acq: 15 Oct 2018 11:54

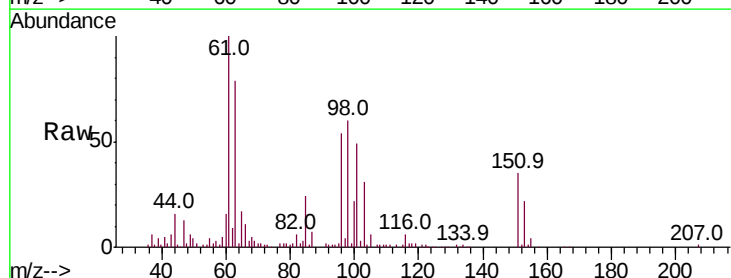
Tgt Ion: 96 Resp: 22365

Ion Ratio Lower Upper

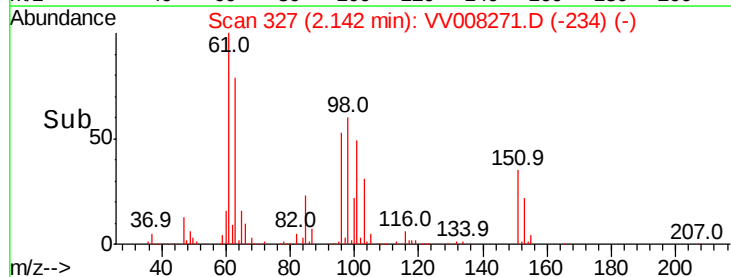
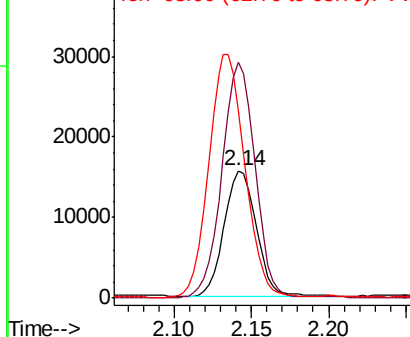
96 100

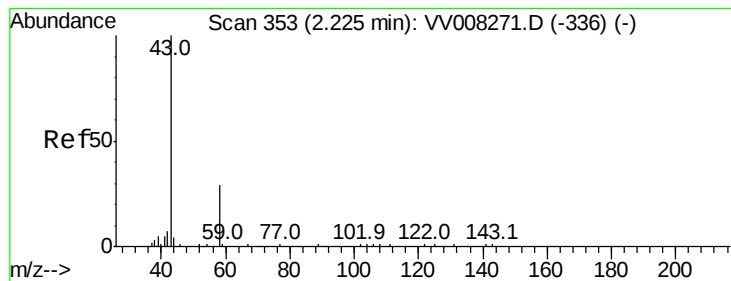
61 185.6 129.9 241.3

63 147.2 103.0 191.4



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 49.171 ug/L

RT: 2.23 min Scan# 353

Delta R.T. 0.00 min

Lab File: VV008271.D

Acq: 15 Oct 2018 11:54

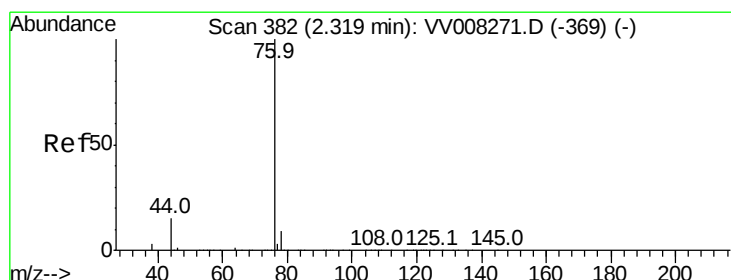
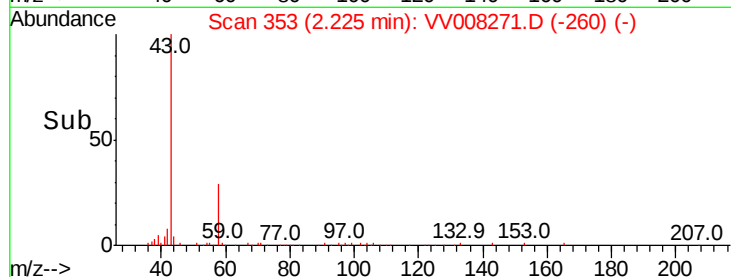
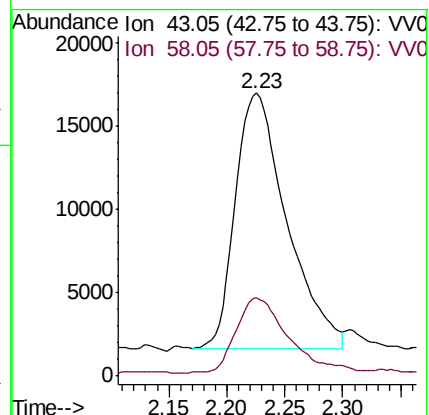
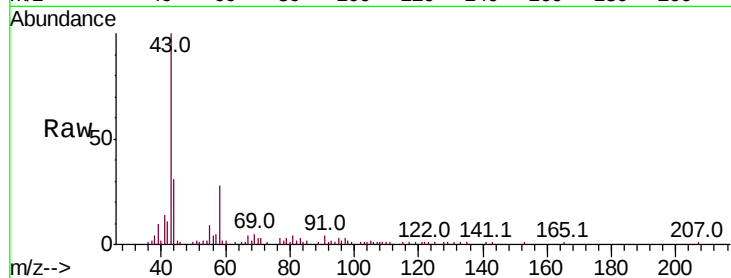
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 47136

Ion Ratio Lower Upper

43 100

58 31.0 0.0 62.0



#14

Carbon disulfide

Concen: 5.547 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV008271.D

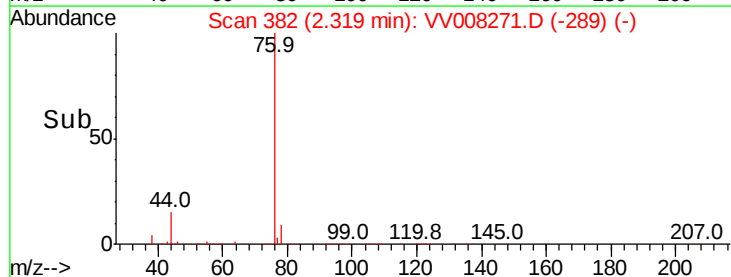
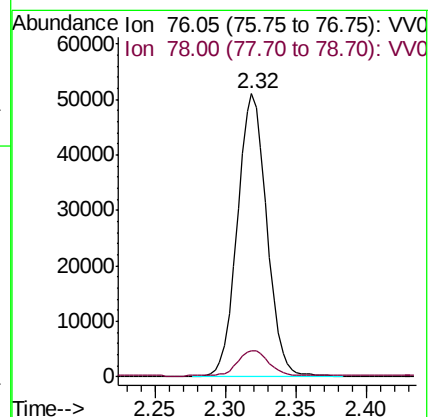
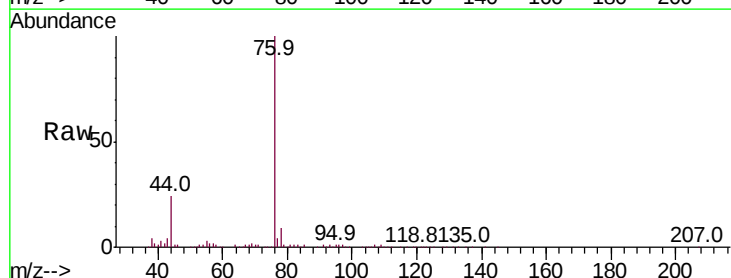
Acq: 15 Oct 2018 11:54

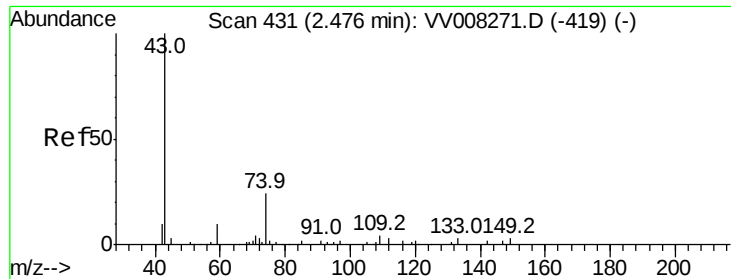
Tgt Ion: 76 Resp: 74695

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2

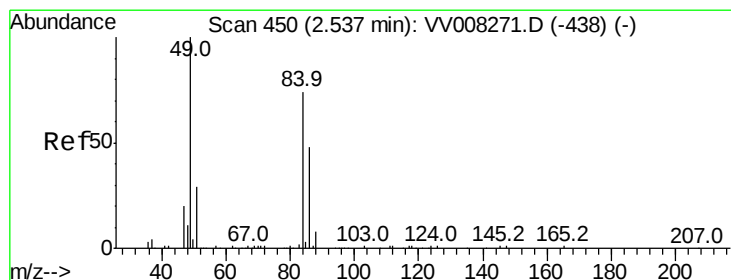
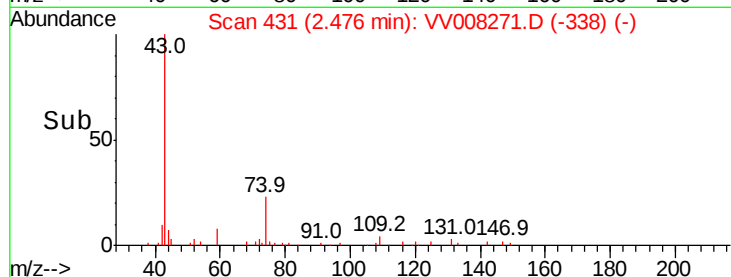
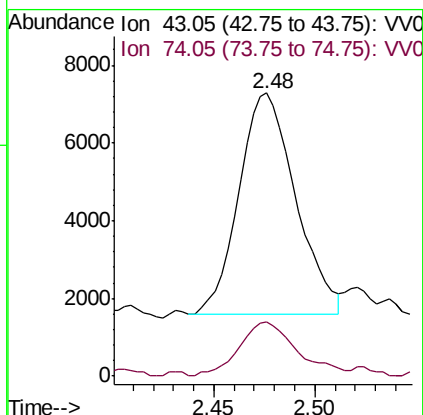
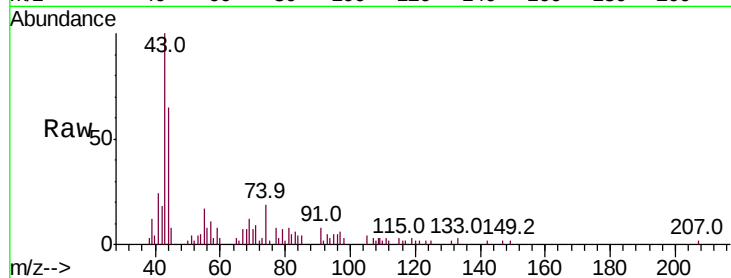




#15
Methyl Acetate
Concen: 5.010 ug/L
RT: 2.48 min Scan# 431
Delta R.T. 0.00 min
Lab File: VV008271.D
Acq: 15 Oct 2018 11:54

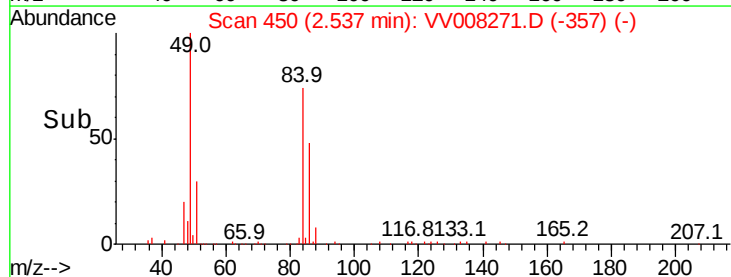
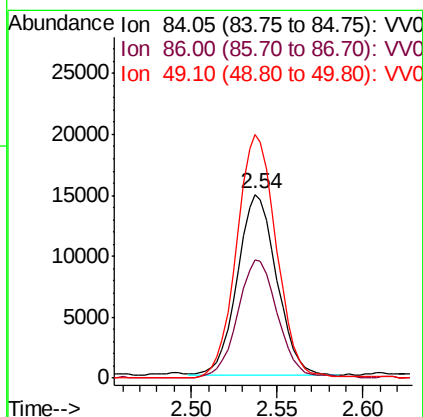
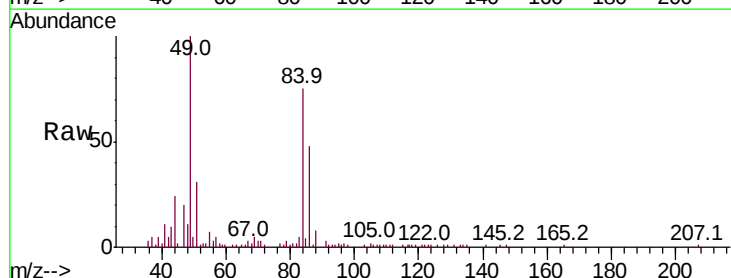
Instrument :
MSVOA_V
ClientSampleId :

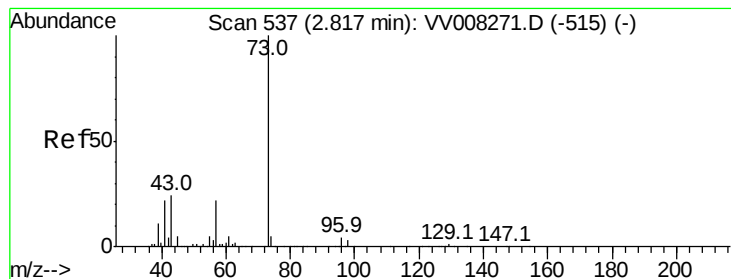
Tot Ion: 43 Resp: 11225
Ion Ratio Lower Upper
43 100
74 25.0 20.0 30.0



#16
Methylene chloride
Concen: 3.886 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV008271.D
Acq: 15 Oct 2018 11:54

Tgt Ion: 84 Resp: 23342
Ion Ratio Lower Upper
84 100
86 64.3 45.0 83.6
49 132.7 92.9 172.5





#17

Methvl tert-butvl Ether

Concen: 5.091 ug/L

RT: 2.82 min Scan# 537

Delta R.T. 0.00 min

Lab File: VV008271.D

Acq: 15 Oct 2018 11:54

Instrument :
MSVOA_V
ClientSampleId :

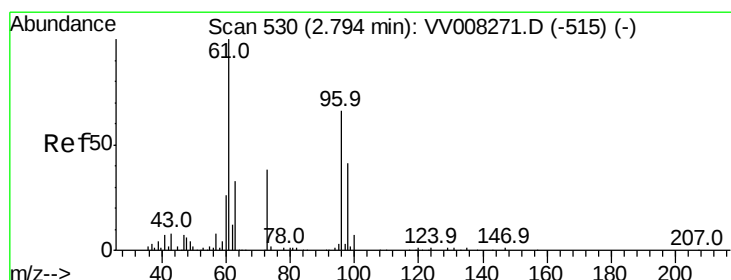
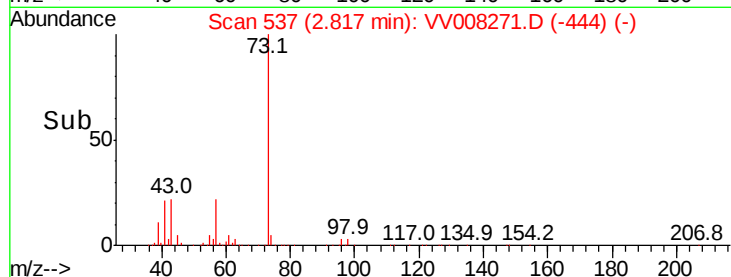
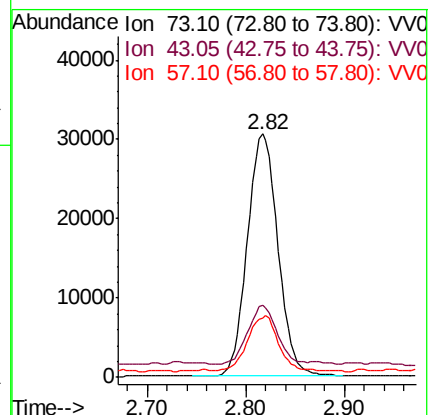
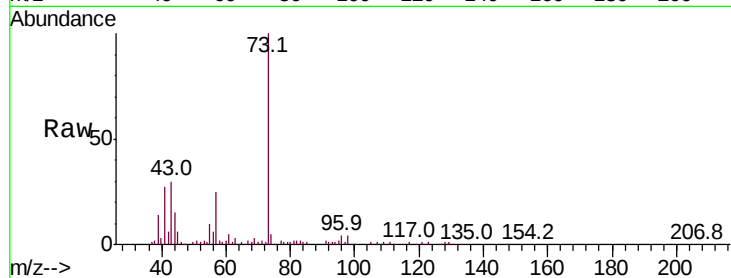
Tot Ion: 73 Resp: 65380

Ion Ratio Lower Upper

73 100

43 23.8 19.0 28.6

57 22.7 18.2 27.2



#18

trans-1,2-Dichloroethene

Concen: 4.442 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV008271.D

Acq: 15 Oct 2018 11:54

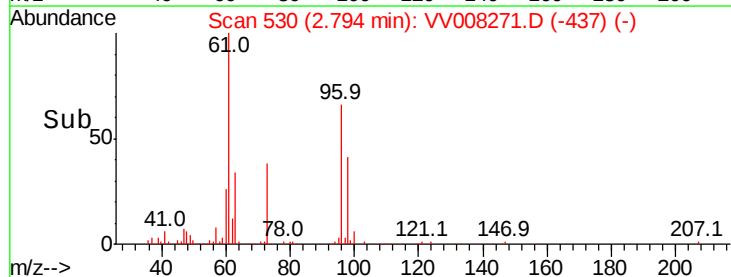
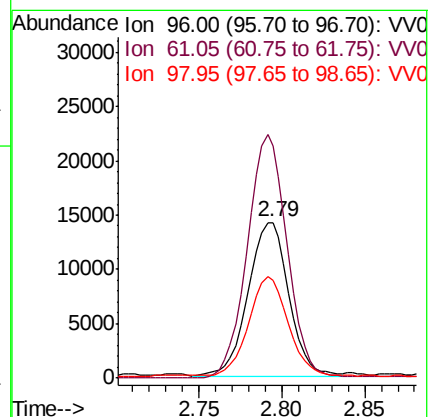
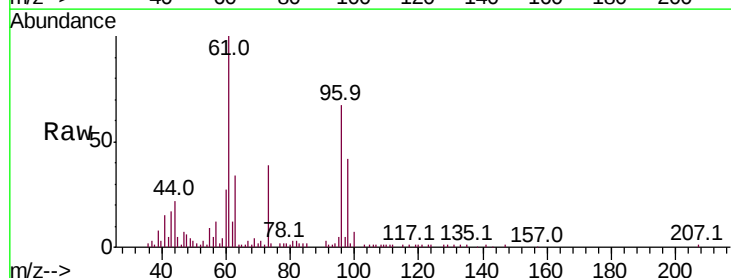
Tgt Ion: 96 Resp: 24089

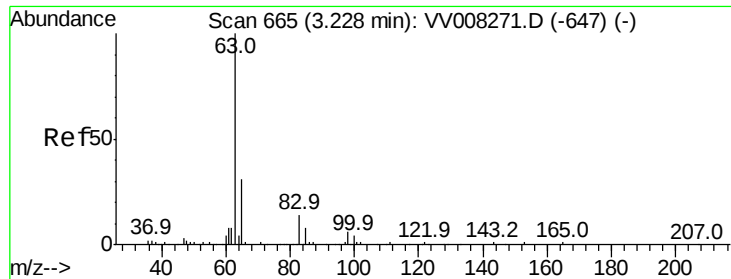
Ion Ratio Lower Upper

96 100

61 149.4 104.6 194.2

98 63.0 44.1 81.9

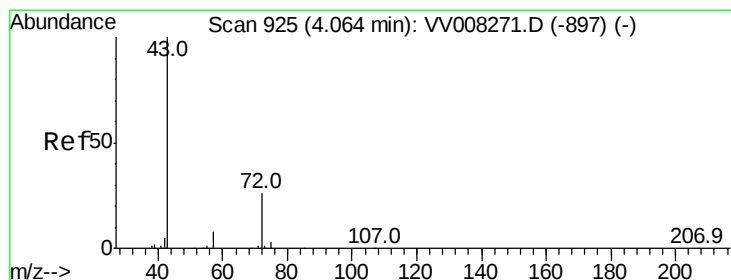
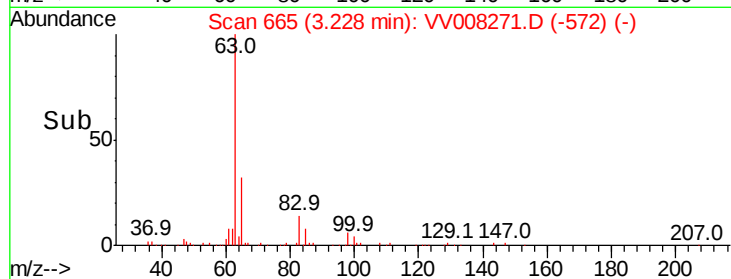
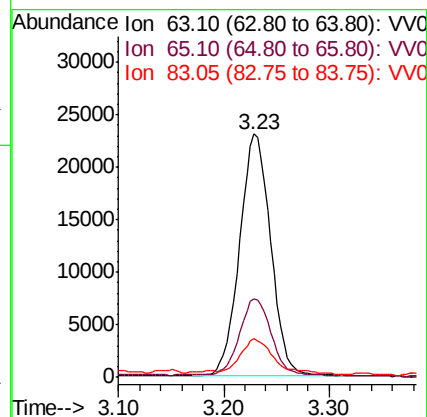
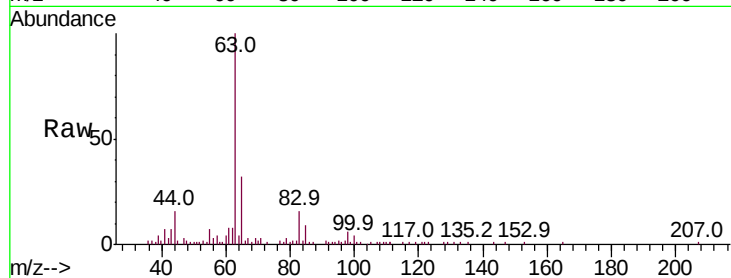




#19
 1,1-Dichloroethane
 Concen: 4.554 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV008271.D
 Acq: 15 Oct 2018 11:54

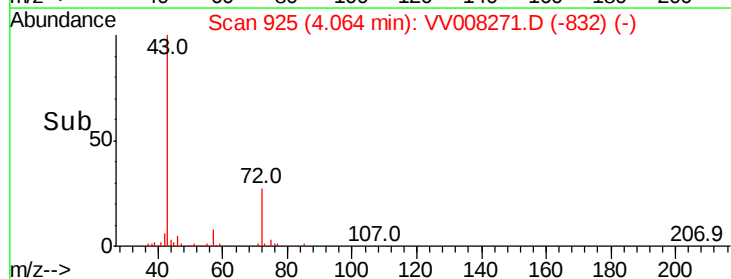
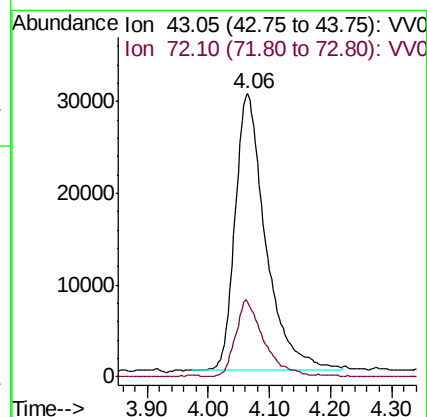
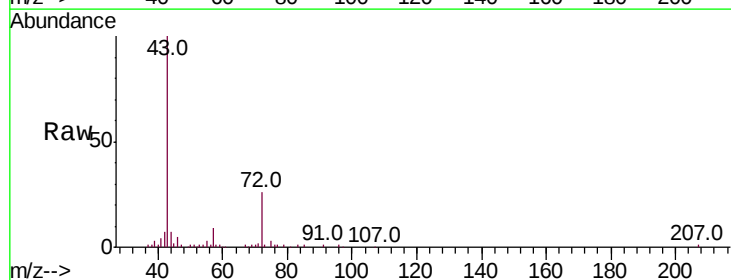
Instrument :
 MSVOA_V
 ClientSampleId :

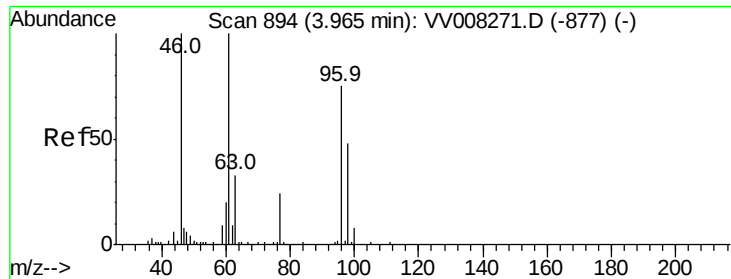
Tot Ion	Ratio	Lower	Upper
63	100		
65	32.3	22.6	42.0
83	15.7	11.0	20.4



#21
 2-Butanone
 Concen: 63.898 ug/L
 RT: 4.06 min Scan# 925
 Delta R.T. 0.00 min
 Lab File: VV008271.D
 Acq: 15 Oct 2018 11:54

Tgt Ion	Ratio	Lower	Upper
43	100		
72	25.8	12.9	38.7



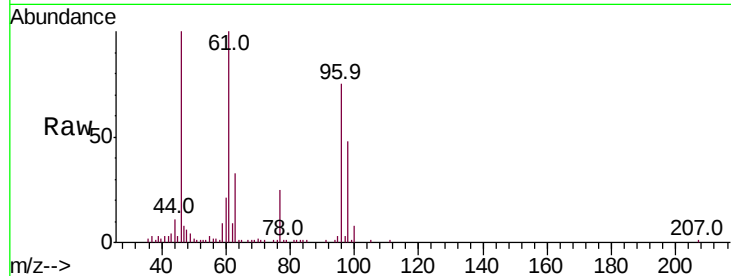


#22

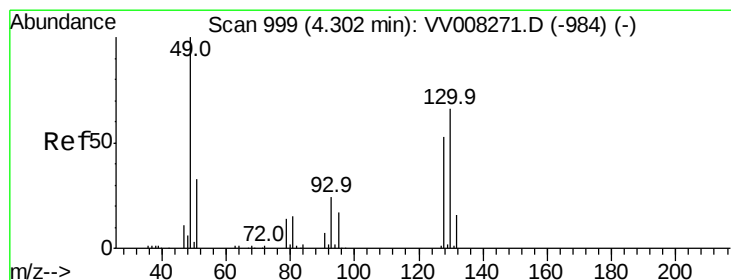
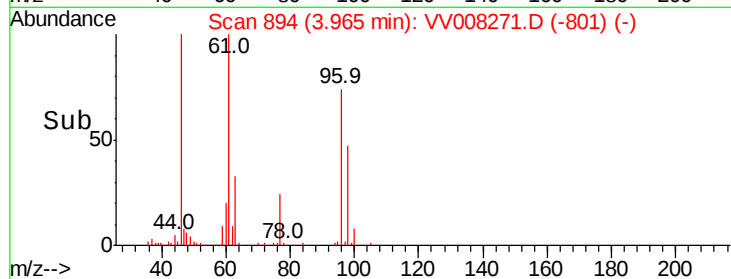
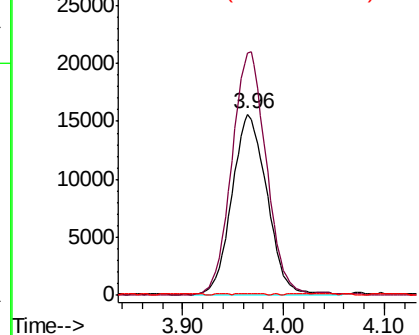
cis-1,2-Dichloroethene
Concen: 5.812 ug/L
RT: 3.96 min Scan# 894
Delta R.T. 0.00 min
Lab File: VV008271.D
Acq: 15 Oct 2018 11:54

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 96 Resp: 38048
Ion Ratio Lower Upper
96 100
61 133.9 93.7 174.1
68 0.9 0.6 1.2



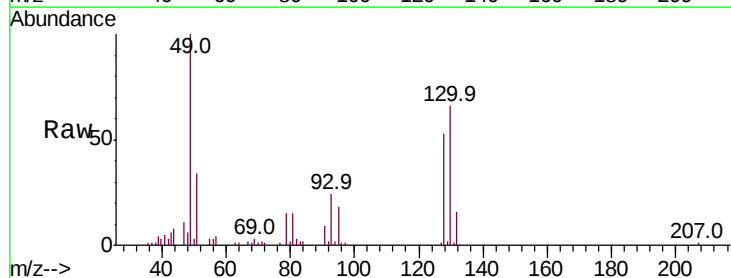
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



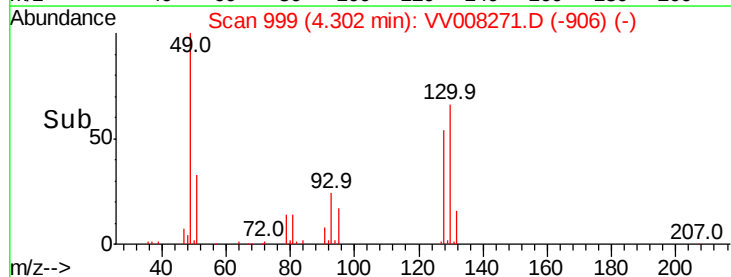
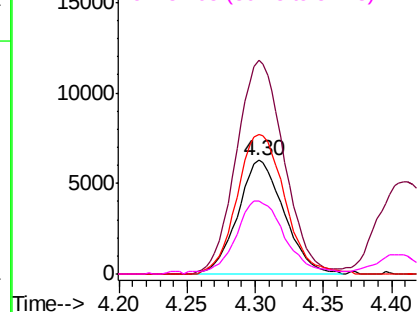
#23

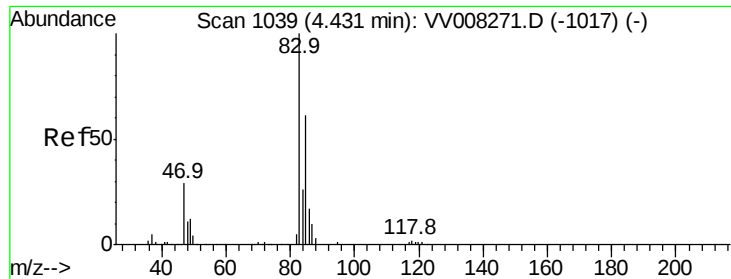
Bromochloromethane
Concen: 5.181 ug/L
RT: 4.30 min Scan# 999
Delta R.T. 0.00 min
Lab File: VV008271.D
Acq: 15 Oct 2018 11:54

Tgt Ion: 128 Resp: 14783
Ion Ratio Lower Upper
128 100
49 187.6 131.3 243.9
130 122.9 86.0 159.8
51 63.6 50.9 76.3



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VV0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VV0

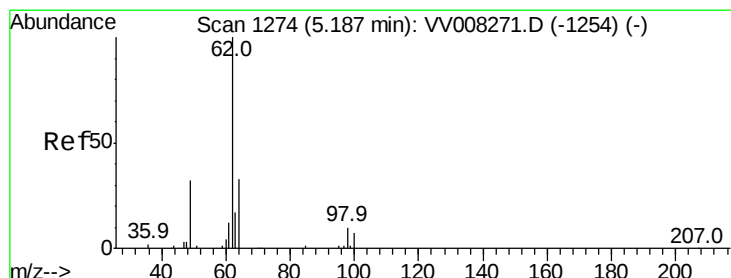
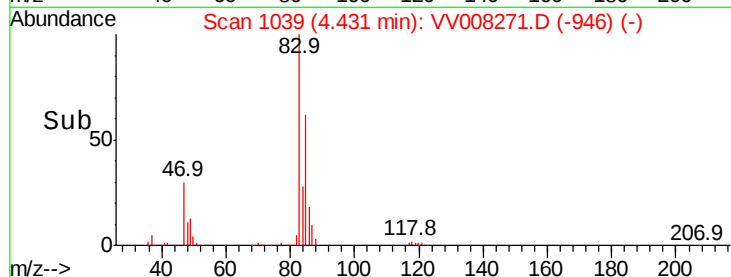
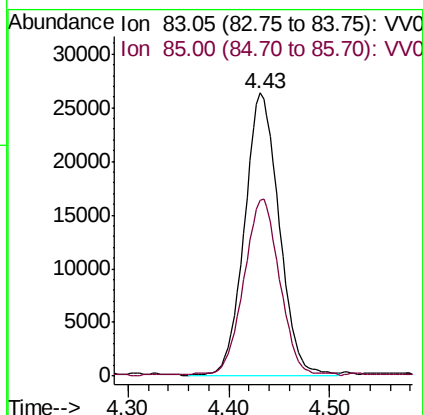
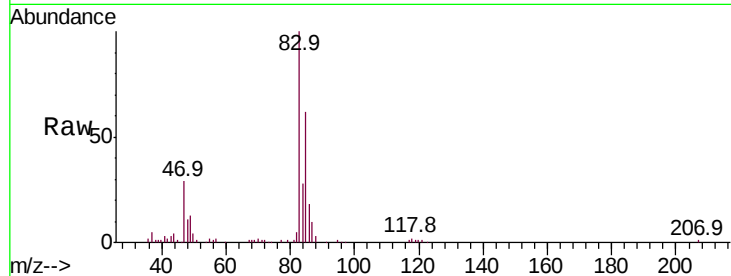




#25
Chloroform
Concen: 5.421 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VV008271.D
Acq: 15 Oct 2018 11:54

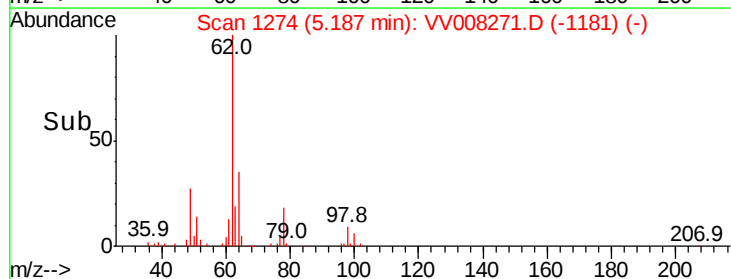
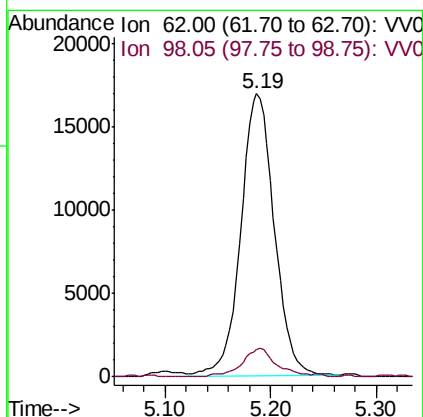
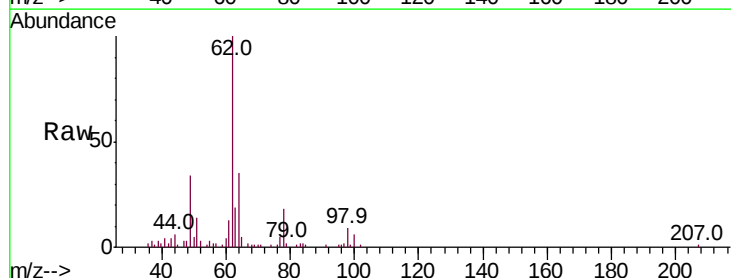
Instrument :
MSVOA_V
ClientSampleId :

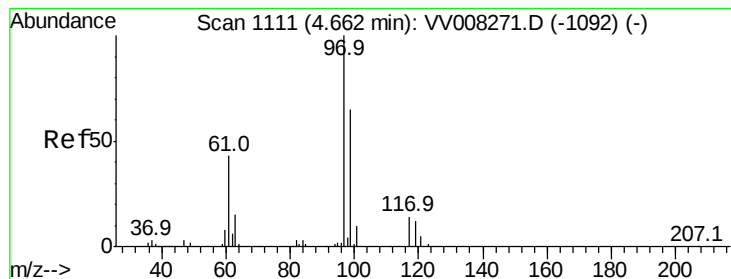
Tot Ion: 83 Resp: 63067
Ion Ratio Lower Upper
83 100
85 62.0 43.4 80.6



#27
1,2-Dichloroethane
Concen: 5.451 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. 0.00 min
Lab File: VV008271.D
Acq: 15 Oct 2018 11:54

Tgt Ion: 62 Resp: 37315
Ion Ratio Lower Upper
62 100
98 9.5 7.6 11.4





#29

1,1,1-Trichloroethane

Concen: 5.289 ug/L

RT: 4.66 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VV008271.D

Acq: 15 Oct 2018 11:54

Instrument :
MSVOA_V
ClientSampled :

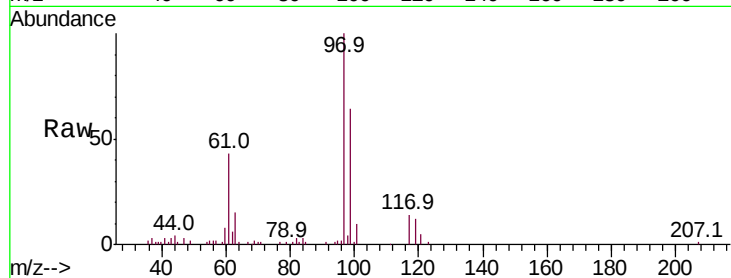
Tot Ion: 97 Resp: 50754

Ion Ratio Lower Upper

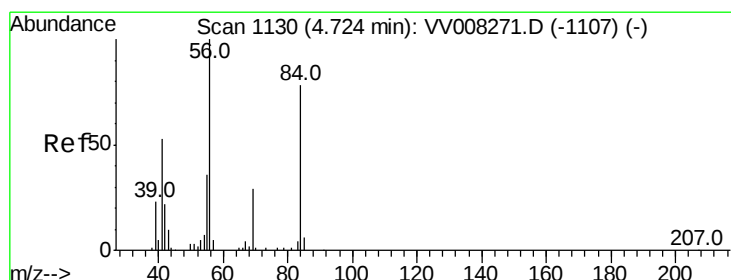
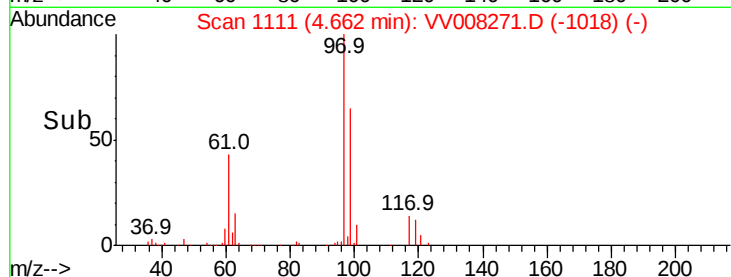
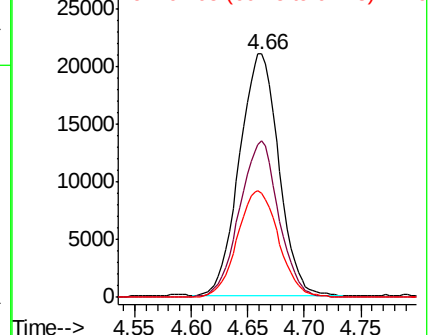
97 100

99 64.5 51.6 77.4

61 46.3 37.0 55.6



Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 7.338 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VV008271.D

Acq: 15 Oct 2018 11:54

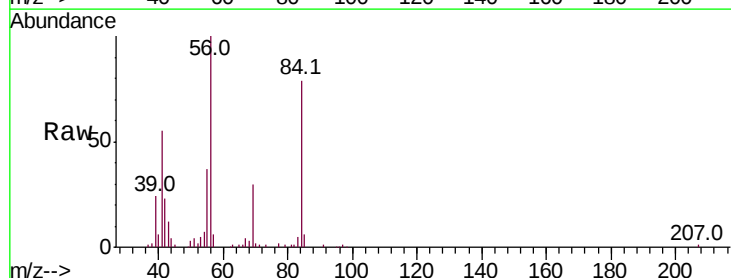
Tgt Ion: 56 Resp: 65546

Ion Ratio Lower Upper

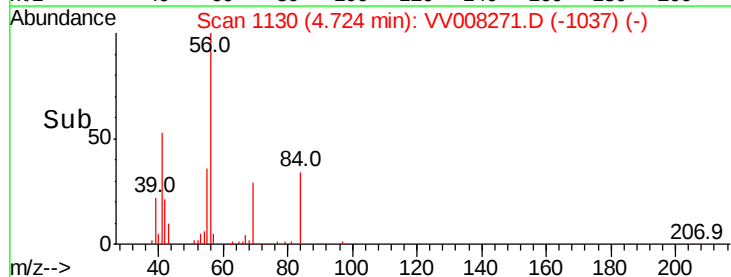
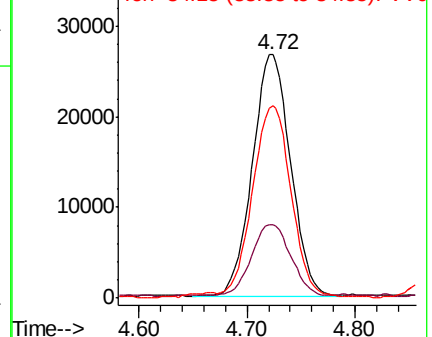
56 100

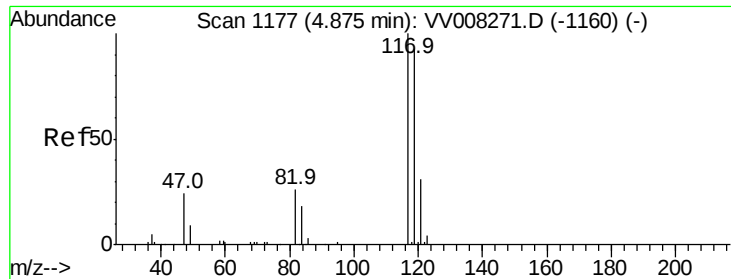
69 30.4 24.3 36.5

84 80.1 64.1 96.1



Abundance Ion 56.10 (55.80 to 56.80): VV0
Ion 69.15 (68.85 to 69.85): VV0
Ion 84.15 (83.85 to 84.85): VV0

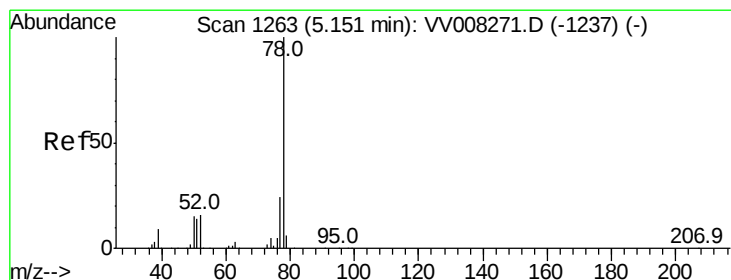
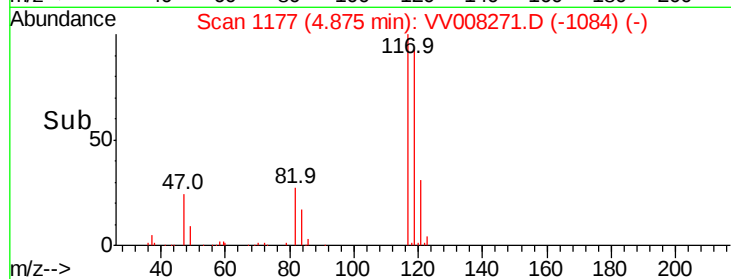
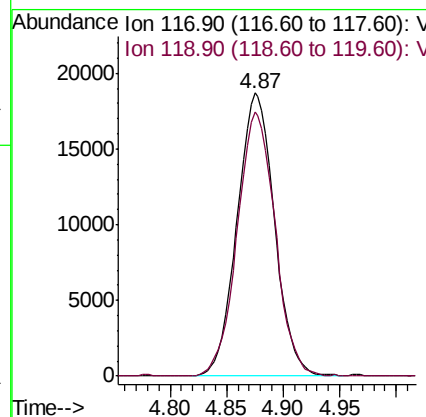
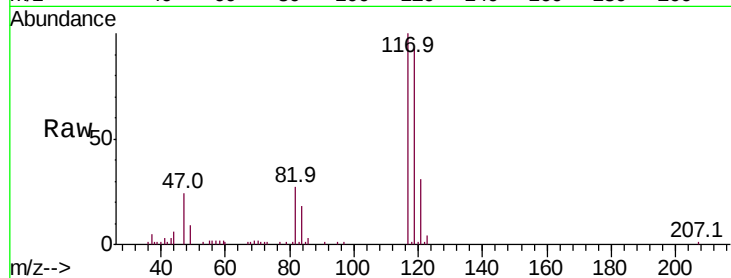




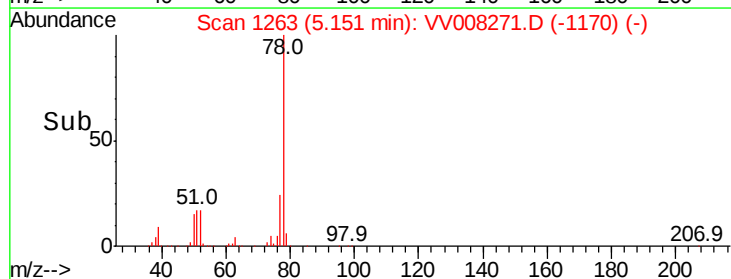
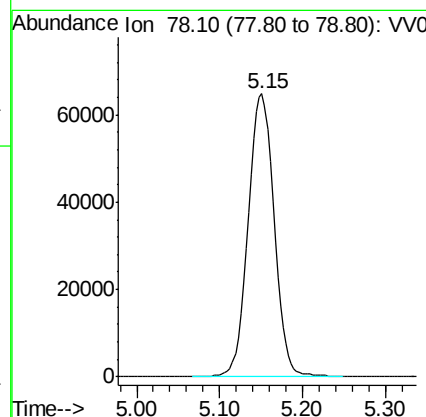
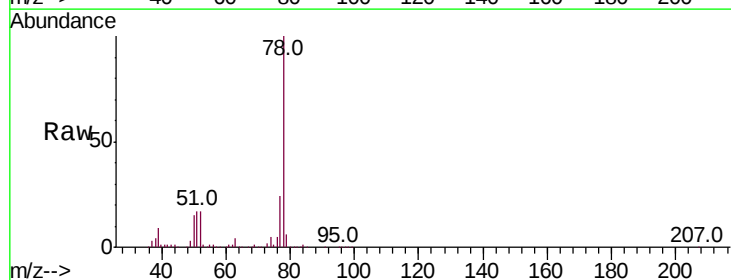
#31
Carbon tetrachloride
Concen: 5.041 ug/L
RT: 4.87 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VV008271.D
Acq: 15 Oct 2018 11:54

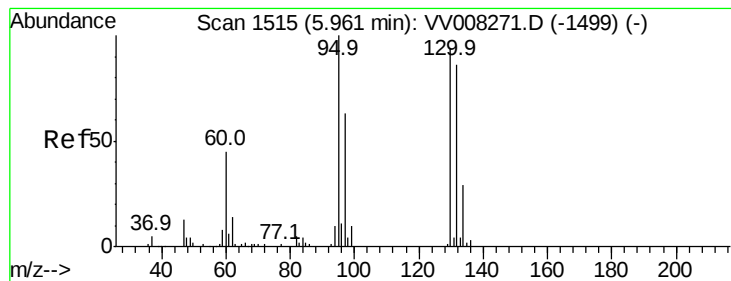
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 42989
Ion Ratio Lower Upper
117 100
119 94.4 75.5 113.3



#33
Benzene
Concen: 6.225 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VV008271.D
Acq: 15 Oct 2018 11:54
Tgt Ion: 78 Resp: 141782





#34

Trichloroethene

Concen: 5.866 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV008271.D

Acq: 15 Oct 2018 11:54

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 95 Resp: 38843

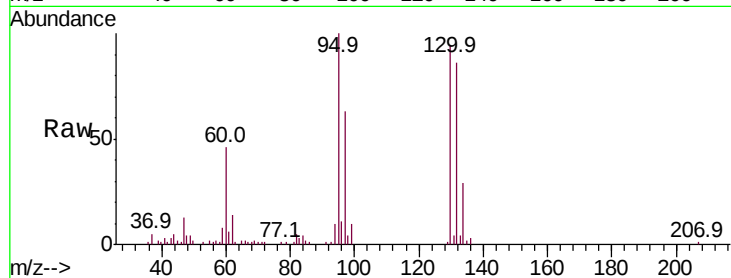
Ion Ratio Lower Upper

95 100

97 63.4 44.4 82.4

132 86.3 60.4 112.2

130 93.6 65.5 121.7

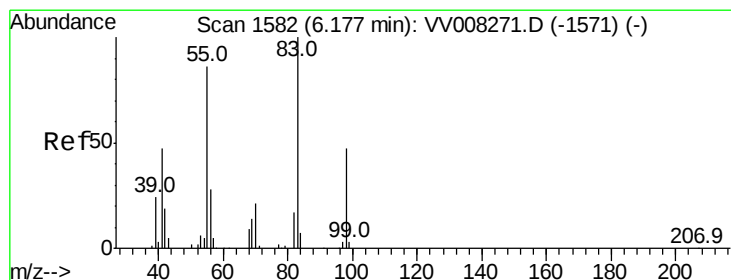
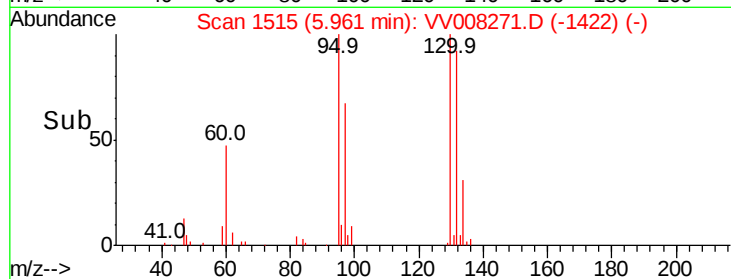
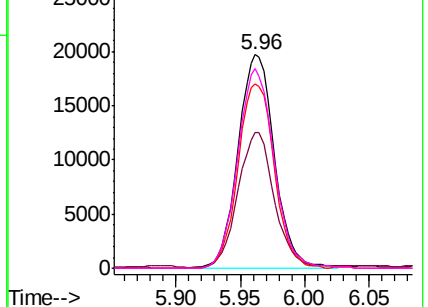


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 6.681 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV008271.D

Acq: 15 Oct 2018 11:54

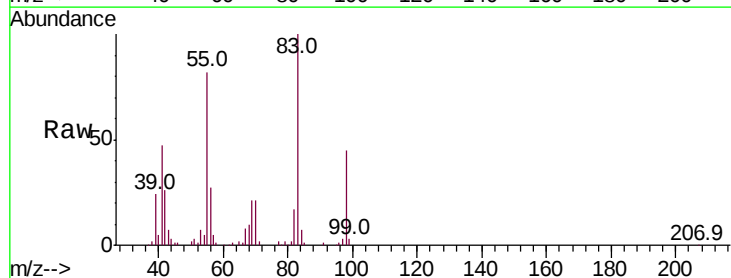
Tgt Ion: 83 Resp: 64409

Ion Ratio Lower Upper

83 100

55 80.0 64.0 96.0

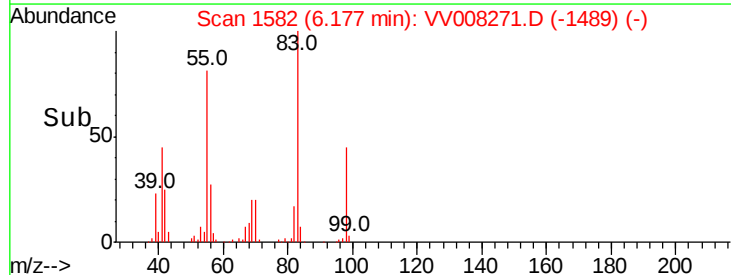
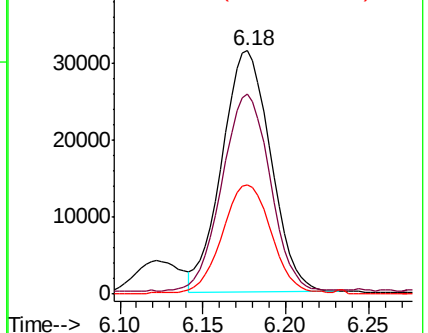
98 46.2 37.0 55.4

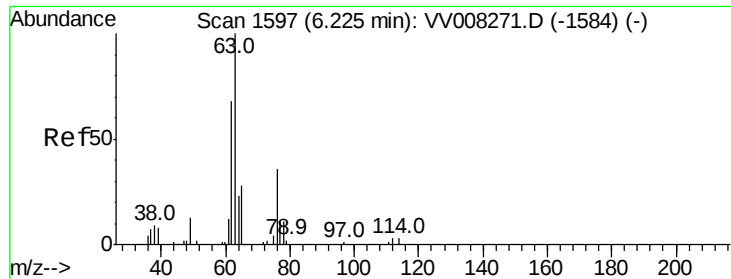


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 6.348 ug/L

RT: 6.23 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VV008271.D

Acq: 15 Oct 2018 11:54

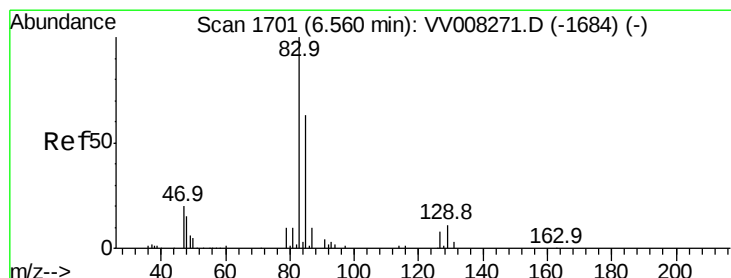
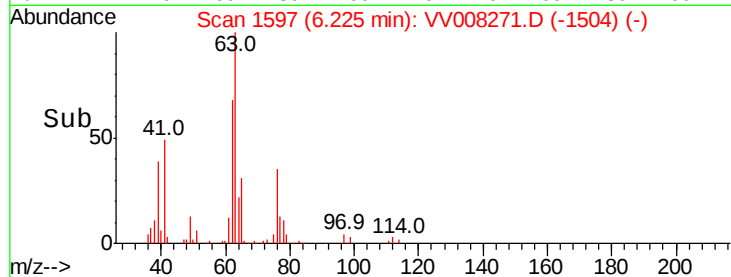
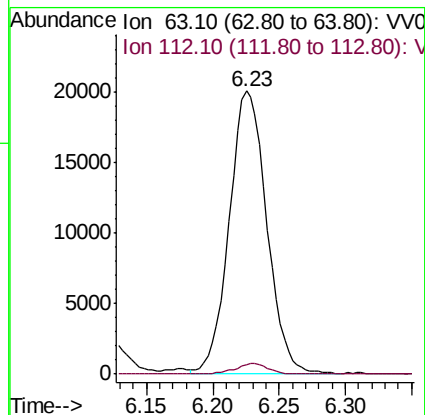
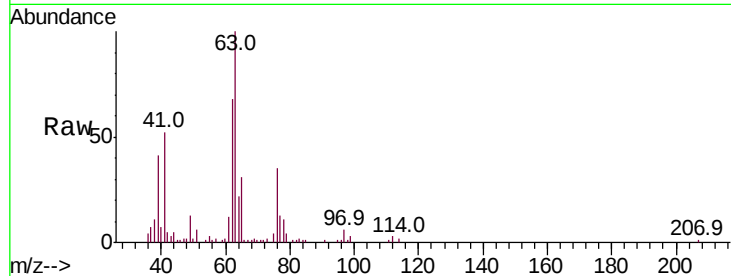
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 63 Resp: 39482

Ion Ratio Lower Upper

63 100

112 3.2 2.6 3.8



#38

Bromodichloromethane

Concen: 5.983 ug/L

RT: 6.56 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VV008271.D

Acq: 15 Oct 2018 11:54

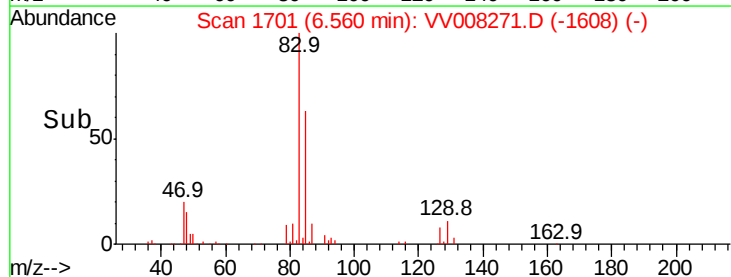
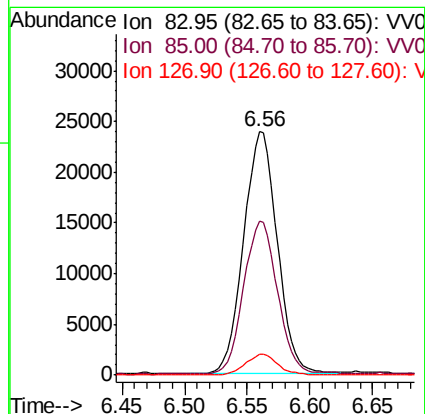
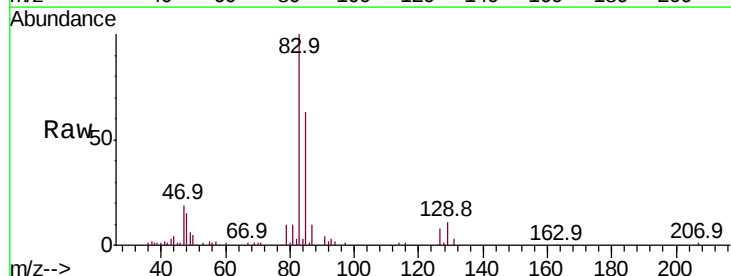
Tgt Ion: 83 Resp: 44695

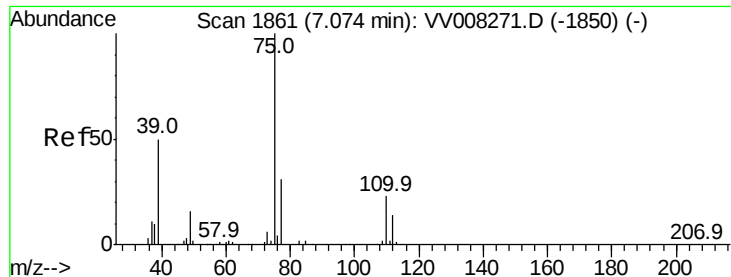
Ion Ratio Lower Upper

83 100

85 63.3 44.3 82.3

127 8.3 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 6.751 ug/L

RT: 7.07 min Scan# 1861

Delta R.T. 0.00 min

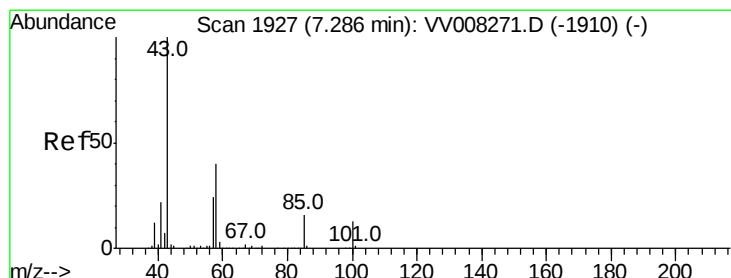
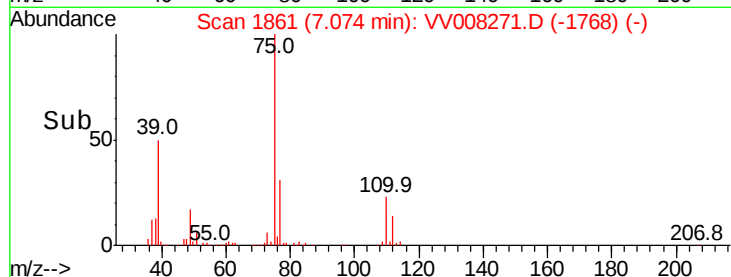
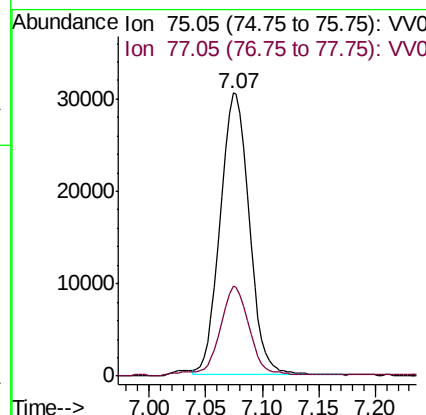
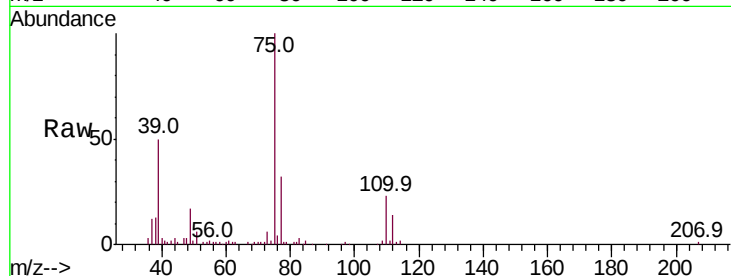
Lab File: VV008271.D

Acq: 15 Oct 2018 11:54

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 75 Resp: 54846

Ion	Ratio	Lower	Upper
75	100		
77	31.8	22.3	41.3



#40

4-Methyl-2-pentanone

Concen: 68.853 ug/L

RT: 7.29 min Scan# 1927

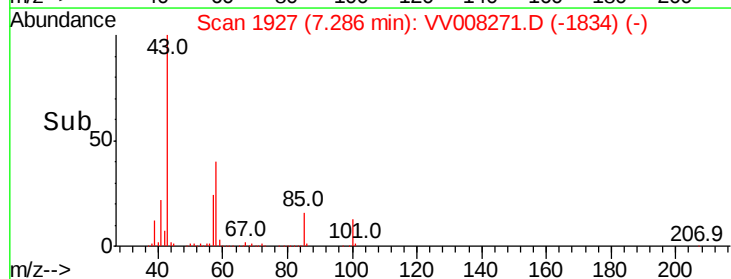
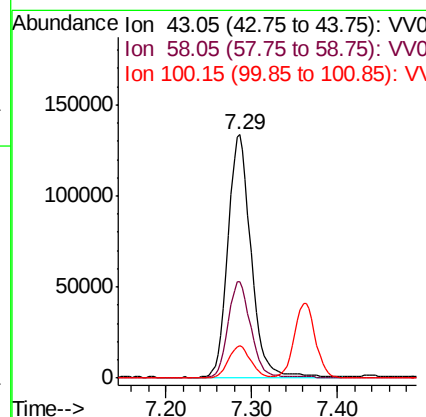
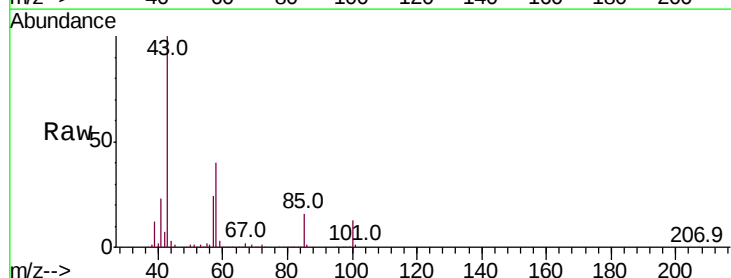
Delta R.T. 0.00 min

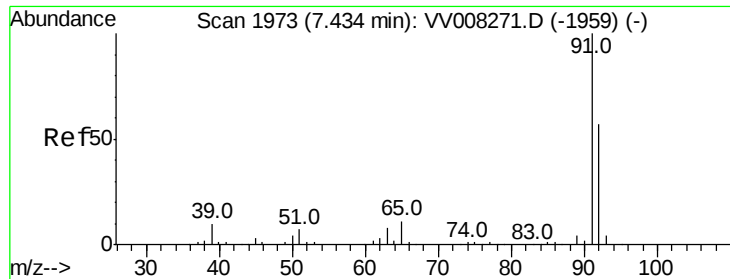
Lab File: VV008271.D

Acq: 15 Oct 2018 11:54

Tgt Ion: 43 Resp: 248300

Ion	Ratio	Lower	Upper
43	100		
58	39.1	31.3	46.9
100	13.1	10.5	15.7





#42

Toluene

Concen: 6.136 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV008271.D

Acq: 15 Oct 2018 11:54

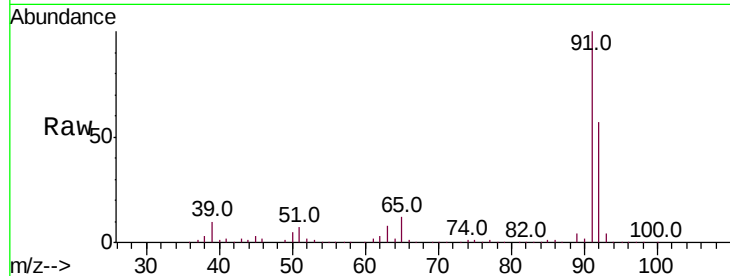
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 146770

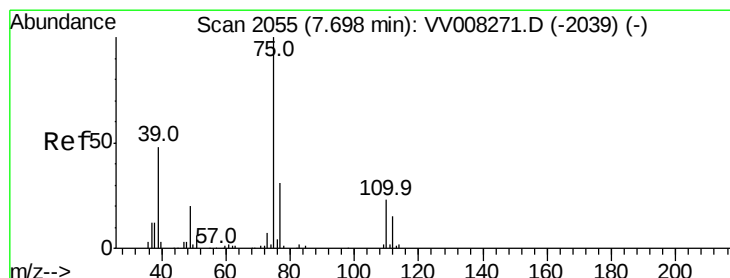
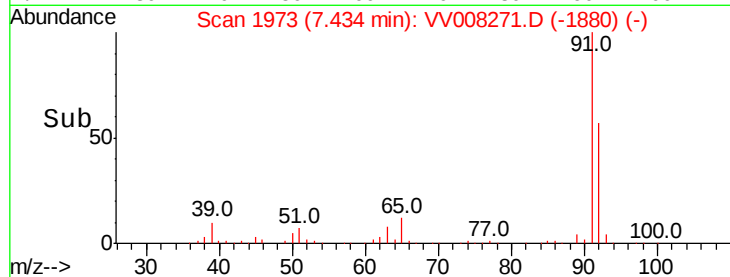
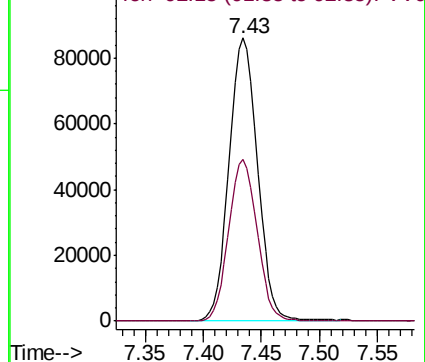
Ion Ratio Lower Upper

91 100

92 57.3 40.1 74.5



Abundance Ion 91.15 (90.85 to 91.85): VV0
Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 6.678 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV008271.D

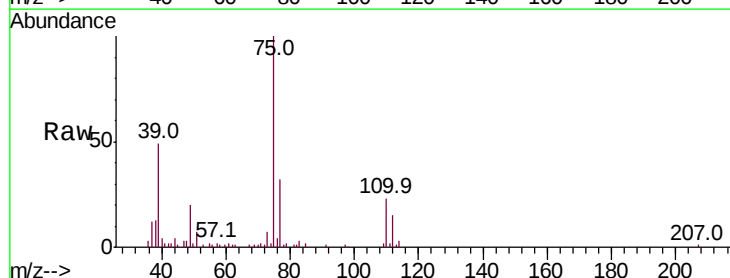
Acq: 15 Oct 2018 11:54

Tgt Ion: 75 Resp: 43792

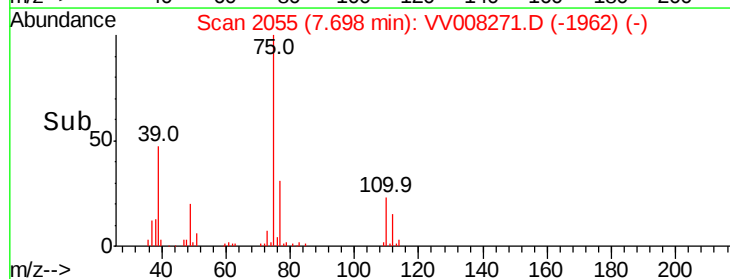
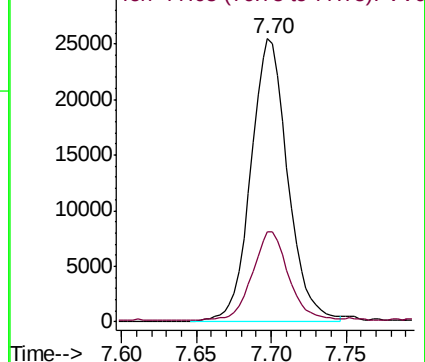
Ion Ratio Lower Upper

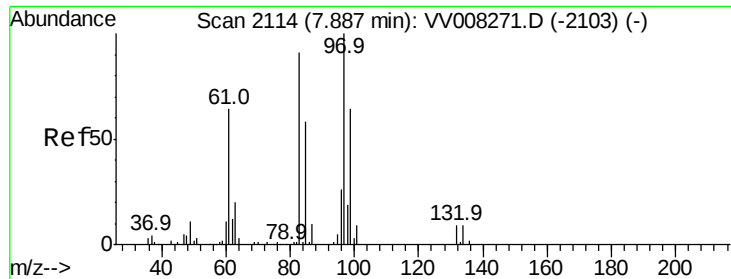
75 100

77 31.9 22.3 41.5



Abundance Ion 75.05 (74.75 to 75.75): VV0
Ion 77.05 (76.75 to 77.75): VV0

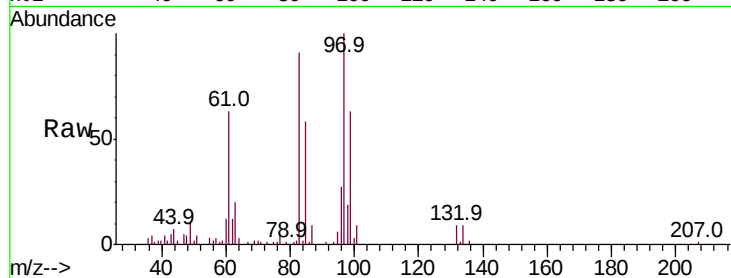




#45
 1,1,2-Trichloroethane
 Concen: 5.785 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VV008271.D
 Acq: 15 Oct 2018 11:54

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	24314
Ion	Ratio	Lower	Upper
97	100		
99	63.0	44.1	81.9
83	91.0	63.7	118.3
85	58.2	40.7	75.7

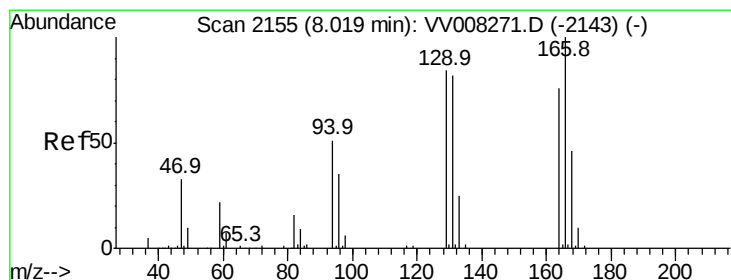
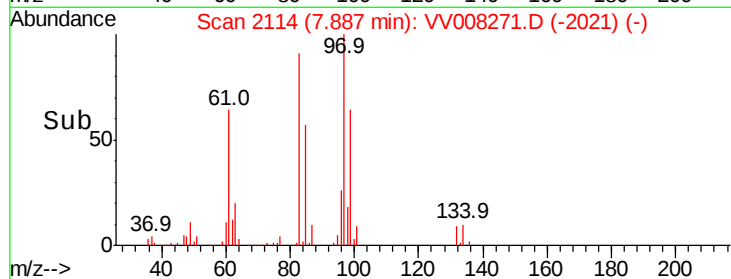
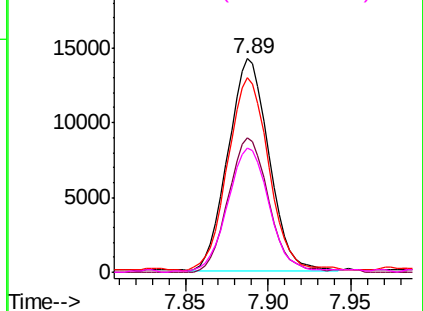


Abundance Ion 96.95 (96.65 to 97.65): VV008271.D (-2103) (-)

Ion 99.05 (98.75 to 99.75): VV008271.D (-2103) (-)

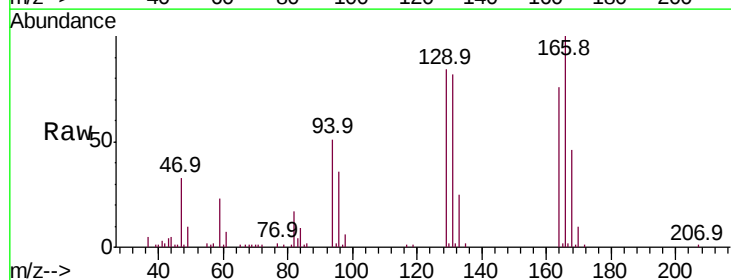
Ion 82.95 (82.65 to 83.65): VV008271.D (-2103) (-)

Ion 85.00 (84.70 to 85.70): VV008271.D (-2103) (-)



#47
 Tetrachloroethene
 Concen: 4.421 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV008271.D
 Acq: 15 Oct 2018 11:54

Tgt Ion:	164	Resp:	24136
Ion	Ratio	Lower	Upper
164	100		
129	109.3	76.5	142.1
131	106.7	74.7	138.7
166	130.8	91.6	170.0

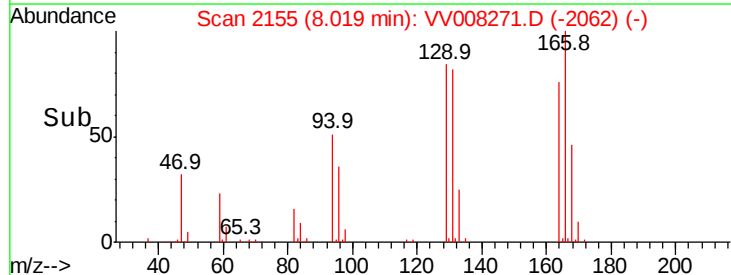
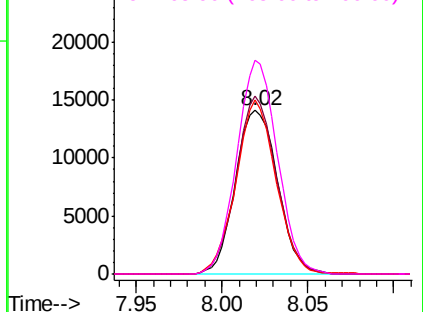


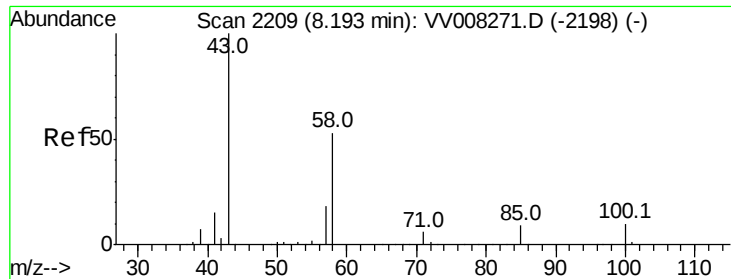
Abundance Ion 163.90 (163.60 to 164.60): VV008271.D (-2143) (-)

Ion 128.95 (128.65 to 129.65): VV008271.D (-2143) (-)

Ion 130.95 (130.65 to 131.65): VV008271.D (-2143) (-)

Ion 165.90 (165.60 to 166.60): VV008271.D (-2143) (-)

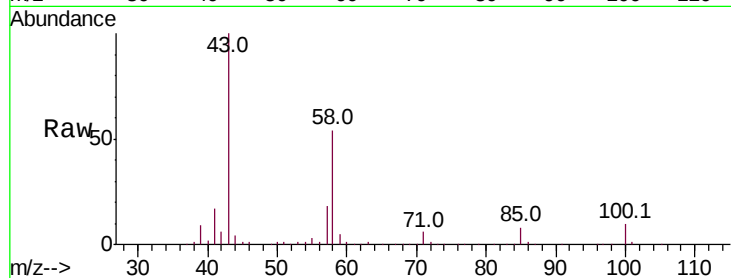




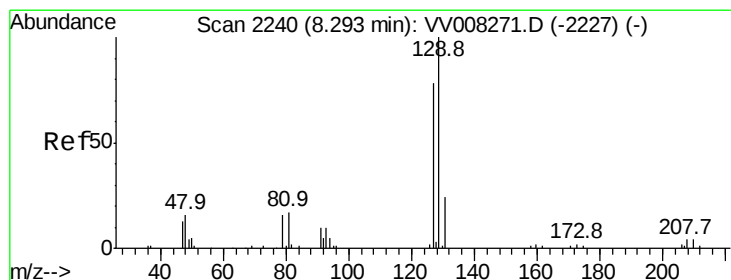
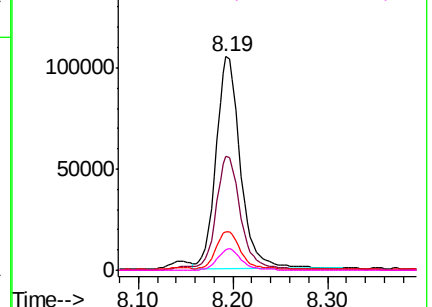
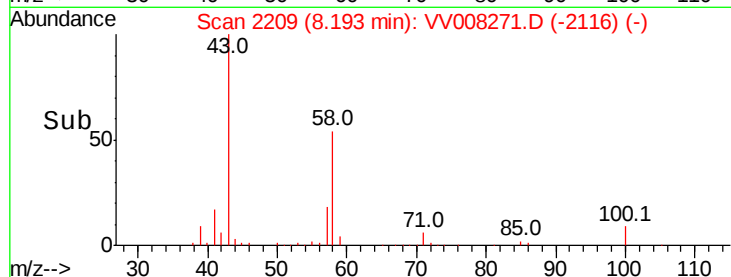
#48
2-Hexanone
Concen: 74.917 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VV008271.D
Acq: 15 Oct 2018 11:54

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 187090
Ion Ratio Lower Upper
43 100
58 56.2 45.0 67.4
57 18.0 14.4 21.6
100 9.9 7.9 11.9

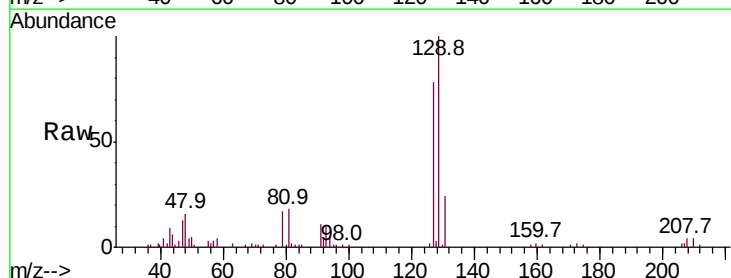


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

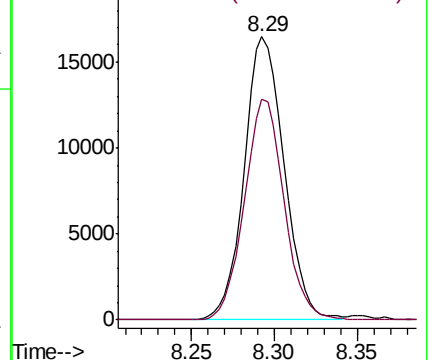
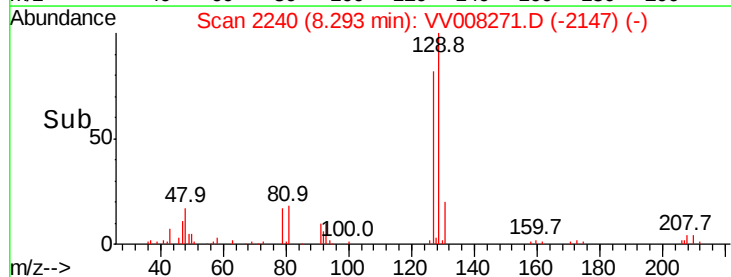


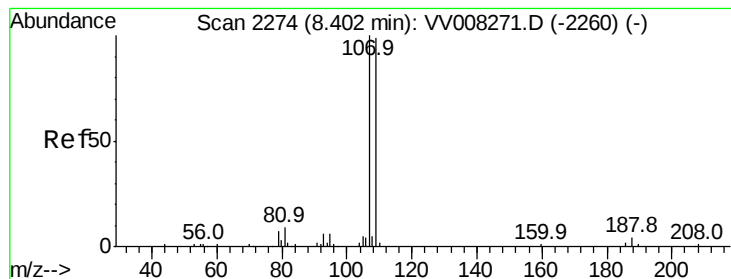
#49
Dibromochloromethane
Concen: 5.347 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV008271.D
Acq: 15 Oct 2018 11:54

Tgt Ion: 129 Resp: 27615
Ion Ratio Lower Upper
129 100
127 78.2 54.7 101.7



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V





#50

1,2-Dibromoethane

Concen: 5.951 ug/L

RT: 8.40 min Scan# 2274

Delta R.T. 0.00 min

Lab File: VV008271.D

Acq: 15 Oct 2018 11:54

Instrument :
MSVOA_V
ClientSampleId :

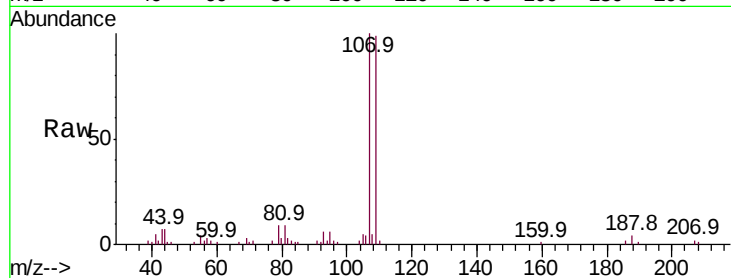
Tot Ion:107 Resp: 22860

Ion Ratio Lower Upper

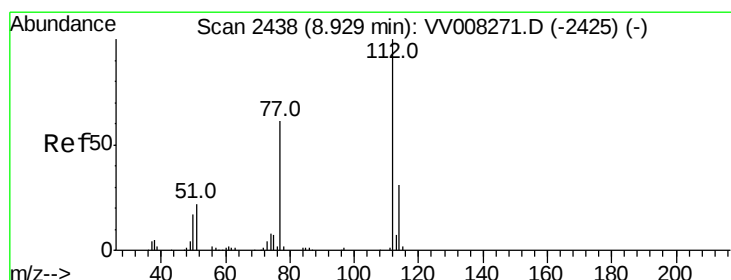
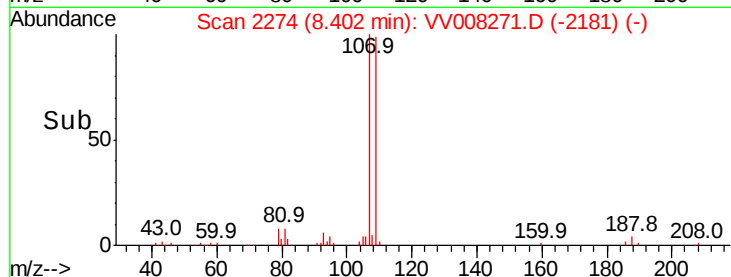
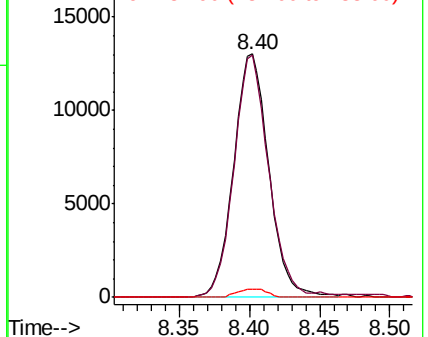
107 100

109 99.4 69.6 129.2

188 3.6 2.9 4.3



Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 5.458 ug/L

RT: 8.93 min Scan# 2438

Delta R.T. 0.00 min

Lab File: VV008271.D

Acq: 15 Oct 2018 11:54

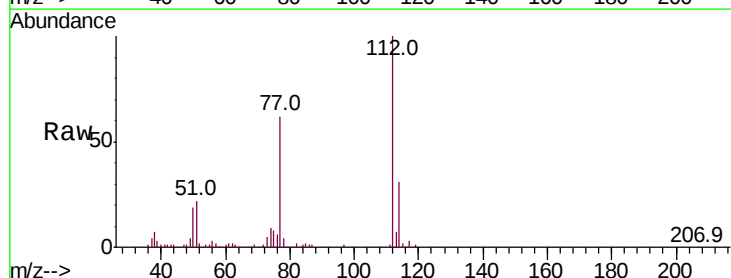
Tgt Ion:112 Resp: 88644

Ion Ratio Lower Upper

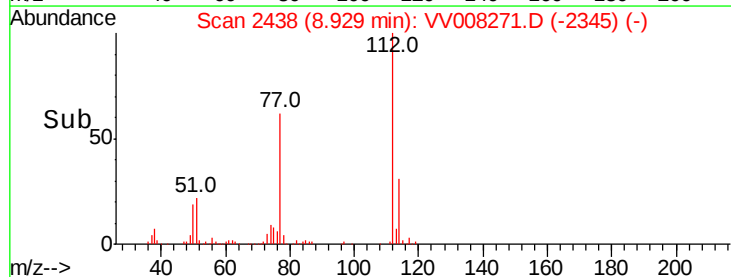
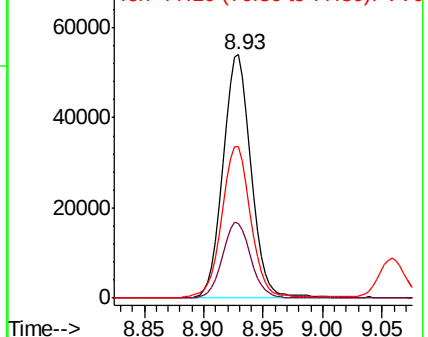
112 100

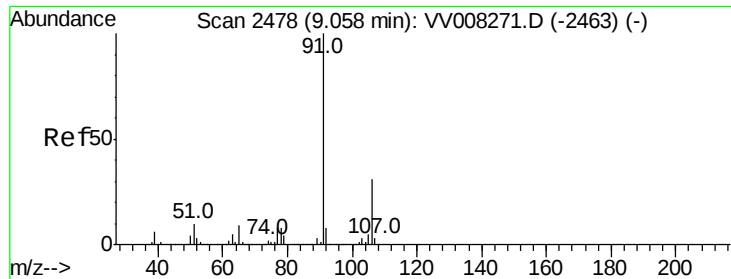
114 30.8 21.6 40.0

77 62.1 49.7 74.5



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

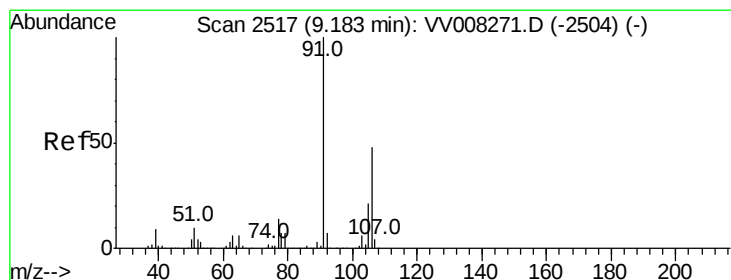
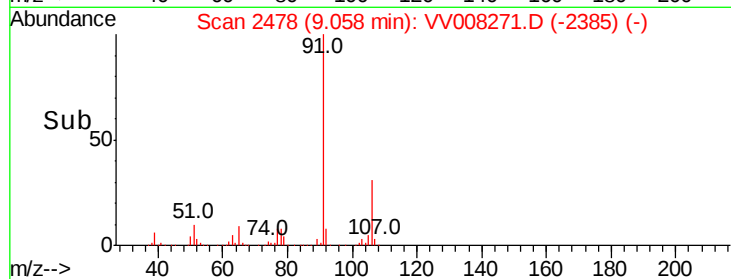
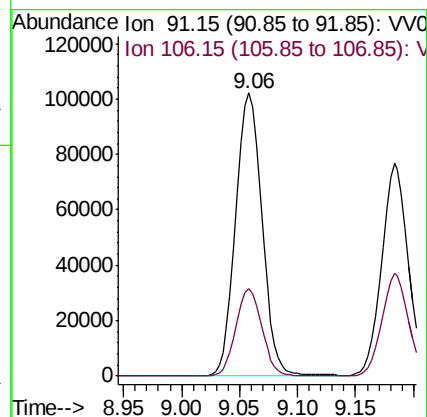
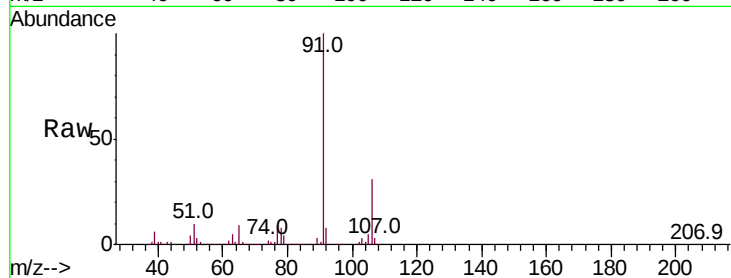




#52
Ethylbenzene
Concen: 6.150 ug/L
RT: 9.06 min Scan# 2478
Delta R.T. 0.00 min
Lab File: VV008271.D
Acq: 15 Oct 2018 11:54

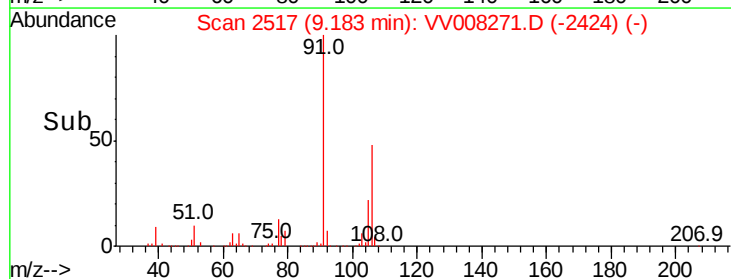
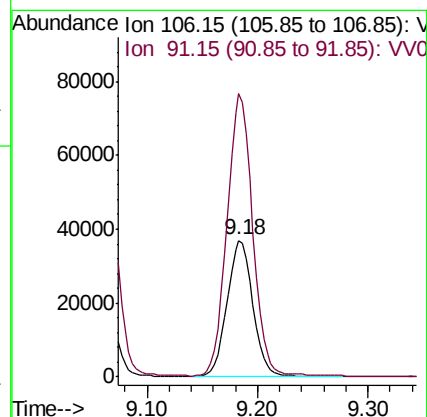
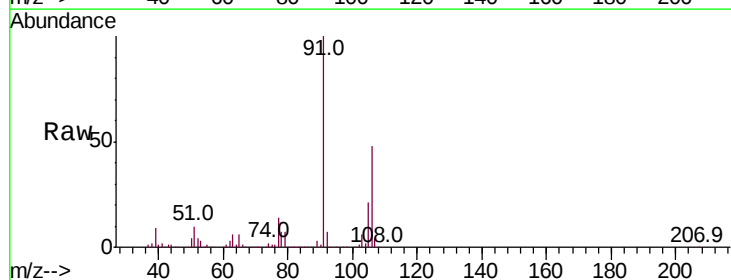
Instrument :
MSVOA_V
ClientSampleId :

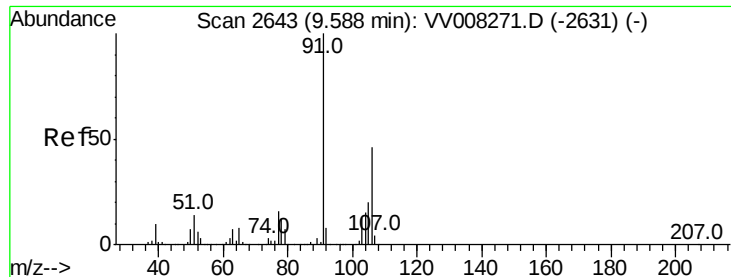
Tot Ion: 91 Resp: 161168
Ion Ratio Lower Upper
91 100
106 30.9 21.6 40.2



#53
m,p-xylene
Concen: 6.089 ug/L
RT: 9.18 min Scan# 2517
Delta R.T. 0.00 min
Lab File: VV008271.D
Acq: 15 Oct 2018 11:54

Tgt Ion: 106 Resp: 60019
Ion Ratio Lower Upper
106 100
91 207.4 145.2 269.6





#54

o-xylene

Concen: 6.164 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV008271.D

Acq: 15 Oct 2018 11:54

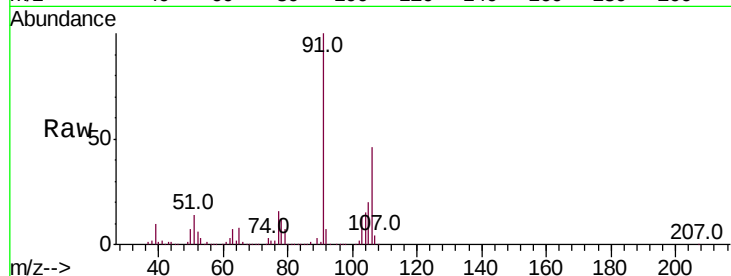
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 58418

Ion Ratio Lower Upper

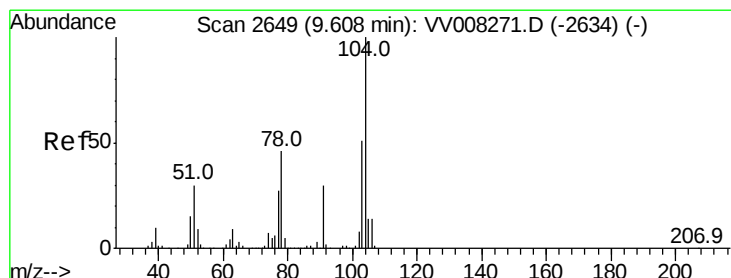
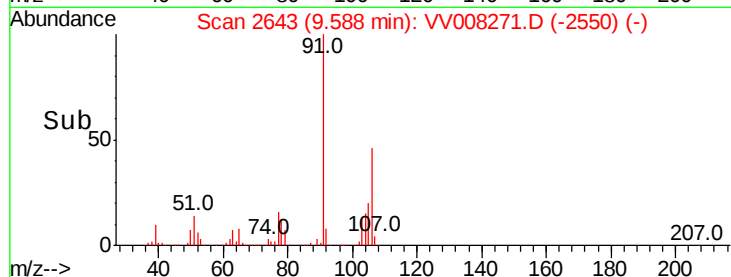
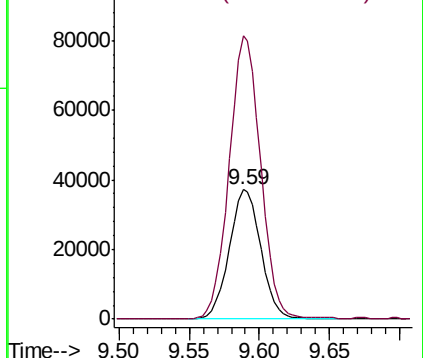
106 100

91 218.8 153.2 284.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.972 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. 0.00 min

Lab File: VV008271.D

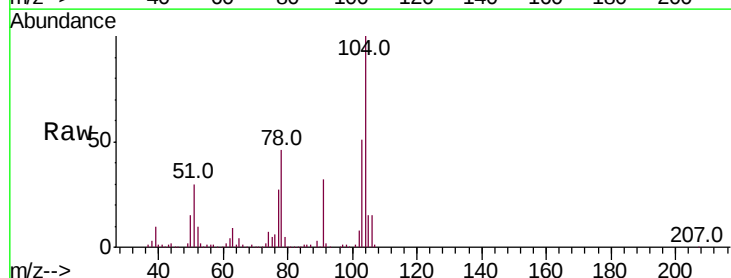
Acq: 15 Oct 2018 11:54

Tgt Ion:104 Resp: 94478

Ion Ratio Lower Upper

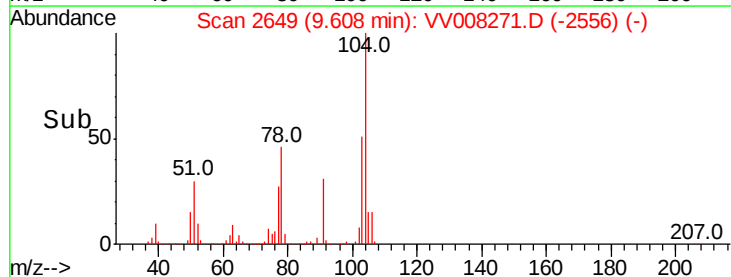
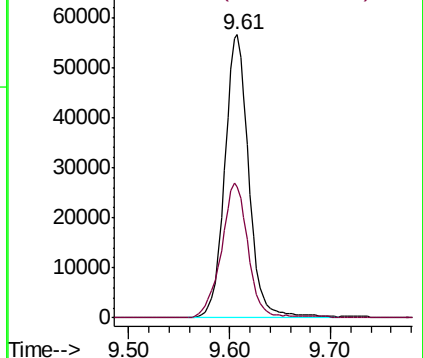
104 100

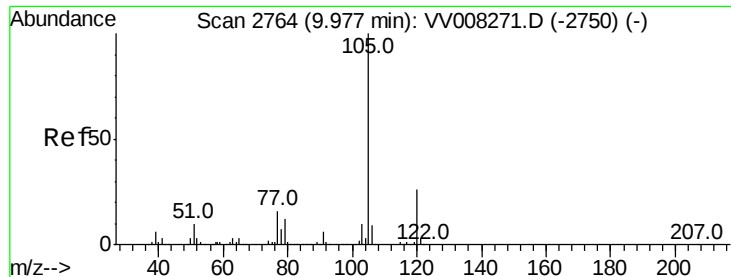
78 46.4 32.5 60.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.884 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008271.D

Acq: 15 Oct 2018 11:54

Instrument :

MSVOA_V

ClientSampled :

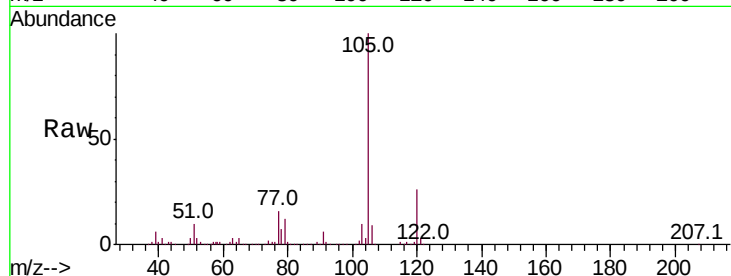
Tot Ion:105 Resp: 150990

Ion Ratio Lower Upper

105 100

120 26.5 21.2 31.8

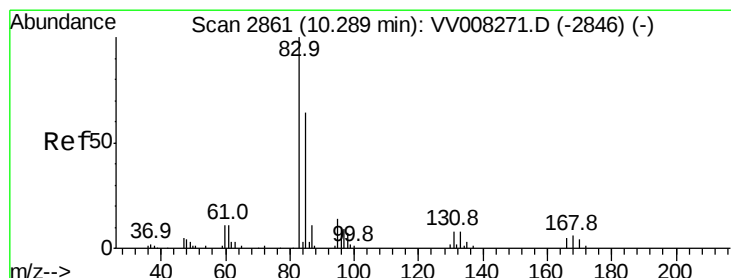
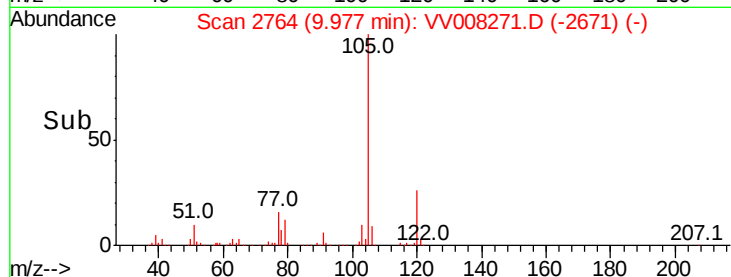
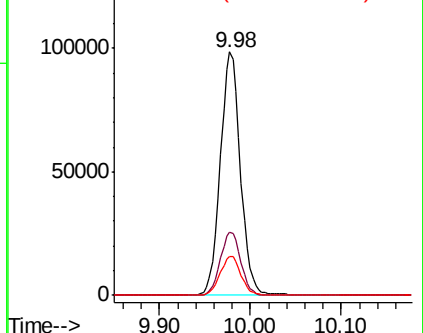
77 16.3 13.0 19.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.880 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV008271.D

Acq: 15 Oct 2018 11:54

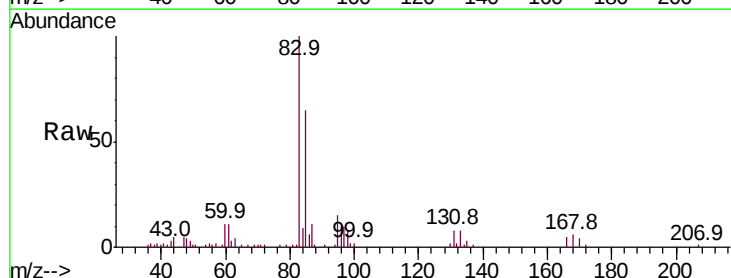
Tgt Ion: 83 Resp: 28859

Ion Ratio Lower Upper

83 100

85 65.1 45.6 84.6

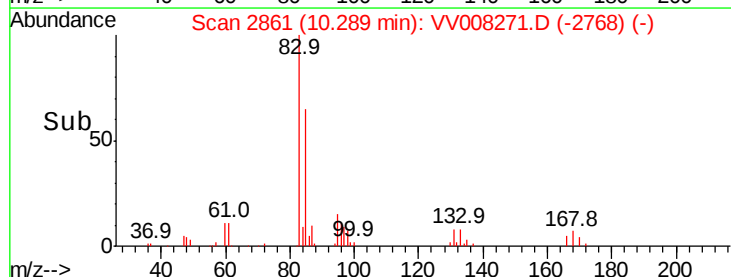
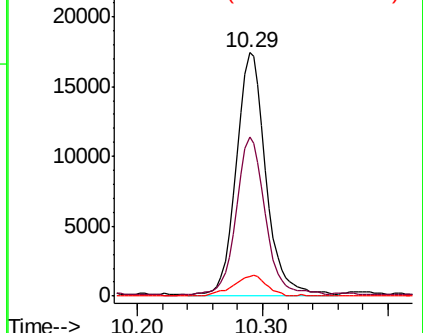
131 8.3 6.6 10.0

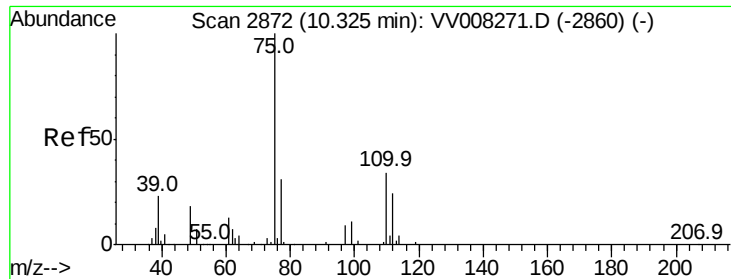


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 6.185 ug/L

RT: 10.32 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VV008271.D

Acq: 15 Oct 2018 11:54

Instrument :

MSVOA_V

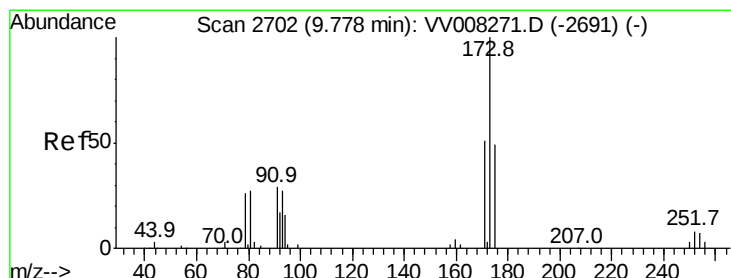
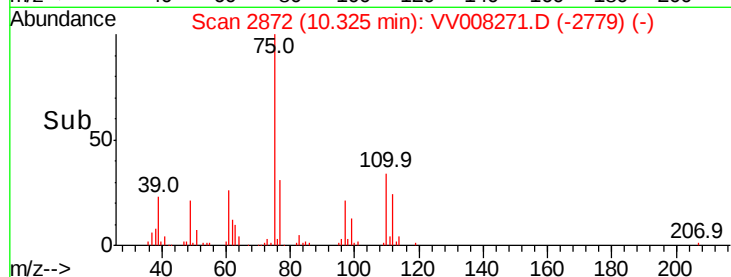
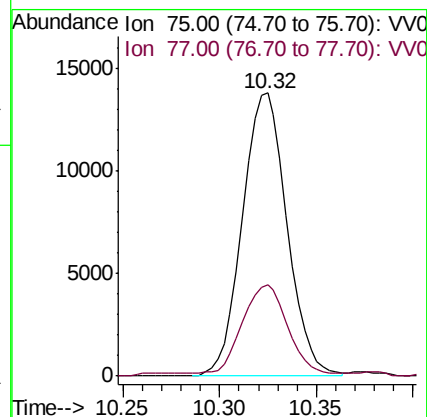
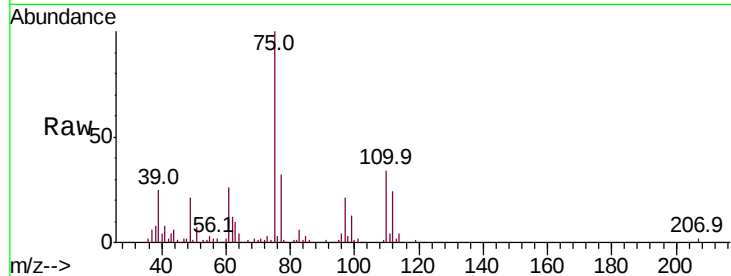
ClientSampled :

Tot Ion: 75 Resp: 22139

Ion Ratio Lower Upper

75 100

77 33.8 27.0 40.6



#61

Bromoform

Concen: 5.875 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VV008271.D

Acq: 15 Oct 2018 11:54

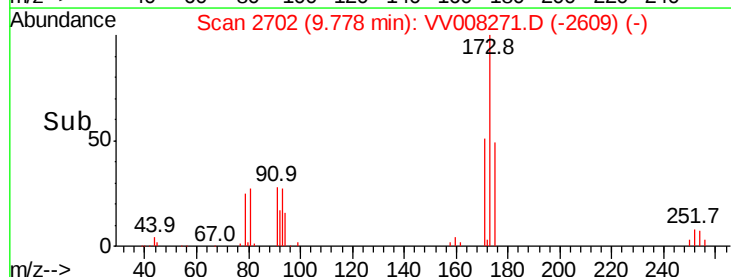
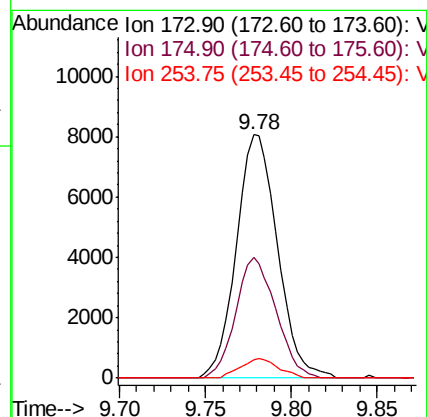
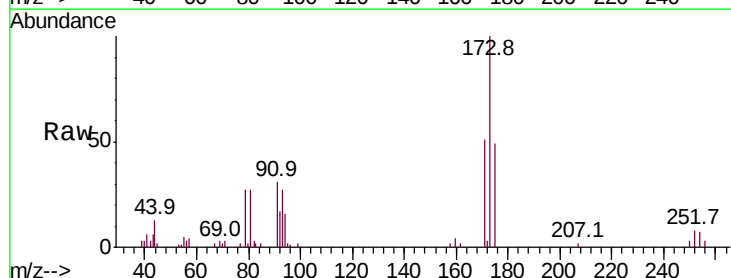
Tgt Ion: 173 Resp: 13452

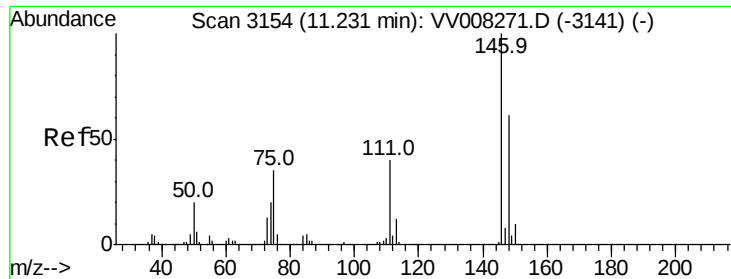
Ion Ratio Lower Upper

173 100

175 48.4 38.7 58.1

254 7.4 5.9 8.9





#62

1,3-Dichlorobenzene

Concen: 5.587 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. 0.00 min

Lab File: VV008271.D

Acq: 15 Oct 2018 11:54

Instrument :

MSVOA_V

ClientSampleId :

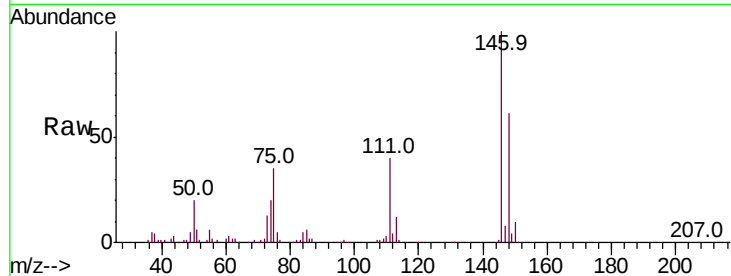
Tot Ion:146 Resp: 61406

Ion Ratio Lower Upper

146 100

111 40.0 28.0 52.0

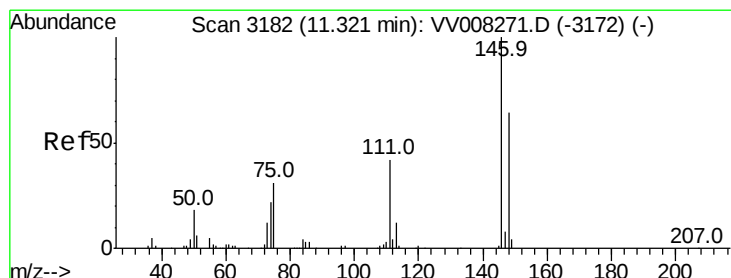
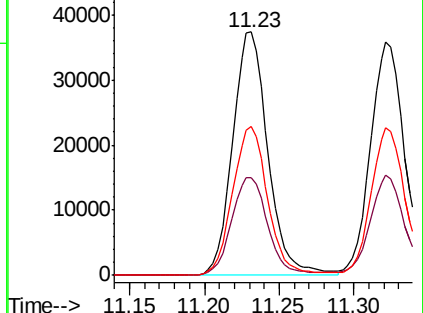
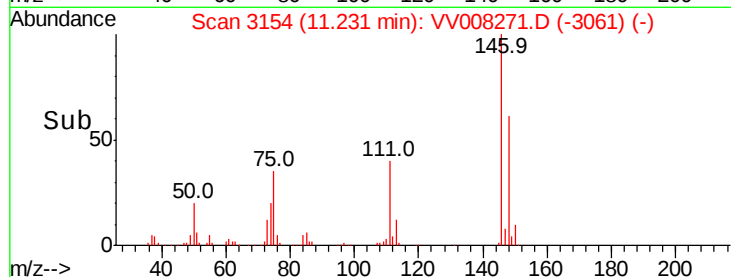
148 61.3 42.9 79.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.326 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV008271.D

Acq: 15 Oct 2018 11:54

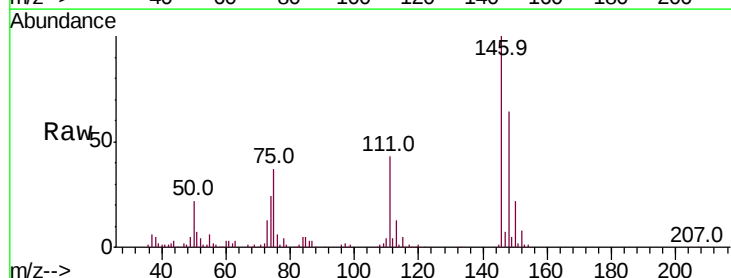
Tgt Ion:146 Resp: 58683

Ion Ratio Lower Upper

146 100

111 42.8 30.0 55.6

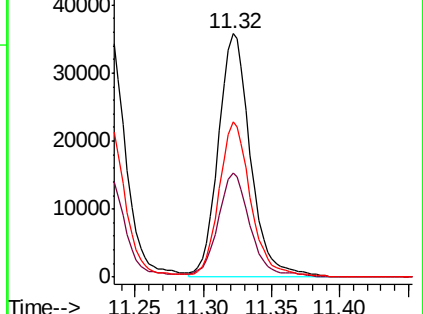
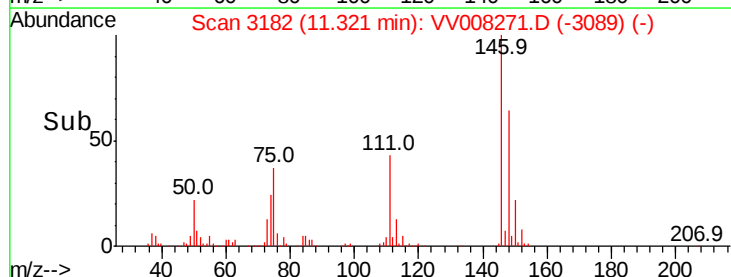
148 63.6 44.5 82.7

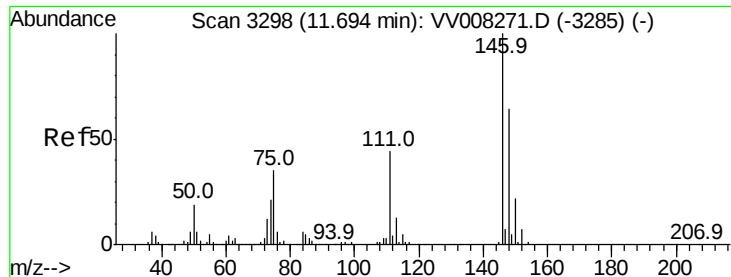


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.517 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV008271.D

Acq: 15 Oct 2018 11:54

Instrument :

MSVOA_V

ClientSampleId :

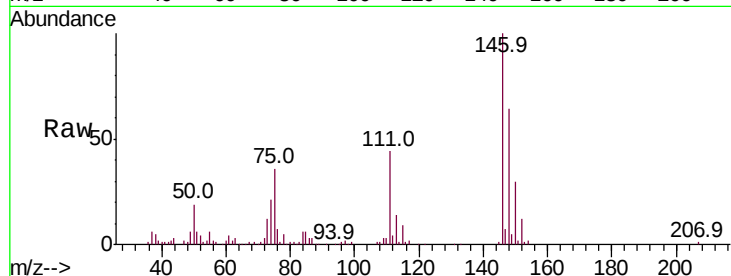
Tot Ion:146 Resp: 58372

Ion Ratio Lower Upper

146 100

111 44.4 35.5 53.3

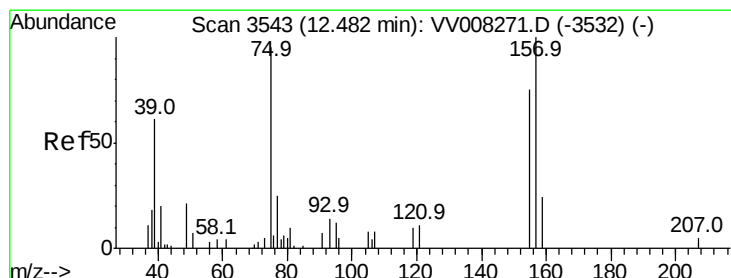
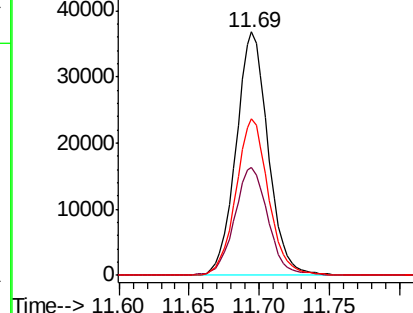
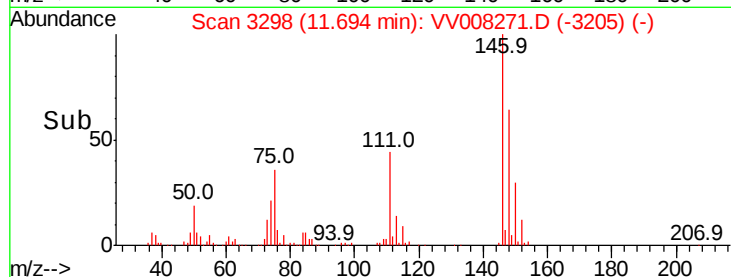
148 64.4 51.5 77.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 7.108 ug/L

RT: 12.48 min Scan# 3543

Delta R.T. 0.00 min

Lab File: VV008271.D

Acq: 15 Oct 2018 11:54

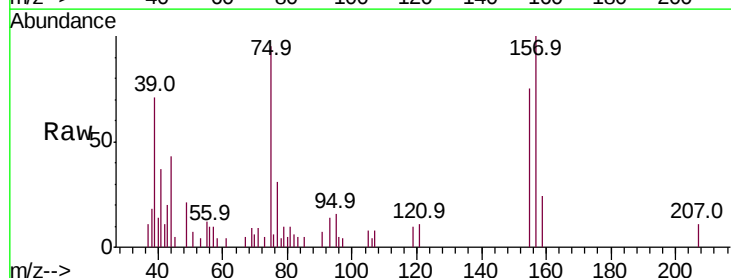
Tgt Ion: 75 Resp: 4240

Ion Ratio Lower Upper

75 100

155 79.5 63.6 95.4

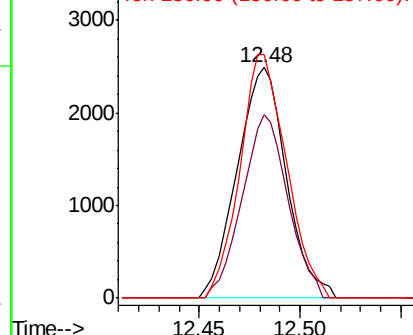
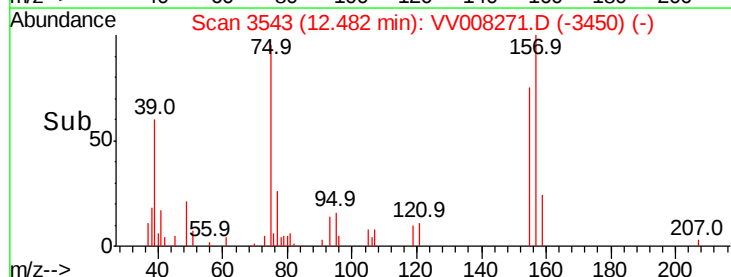
157 105.4 84.3 126.5

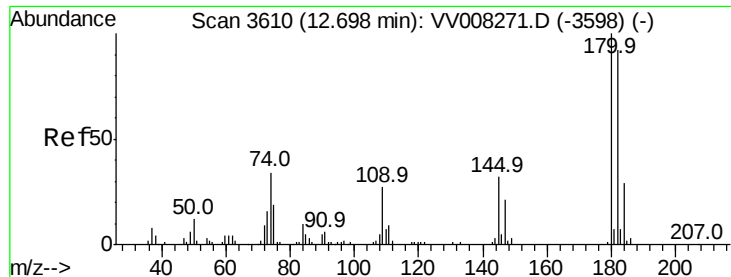


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

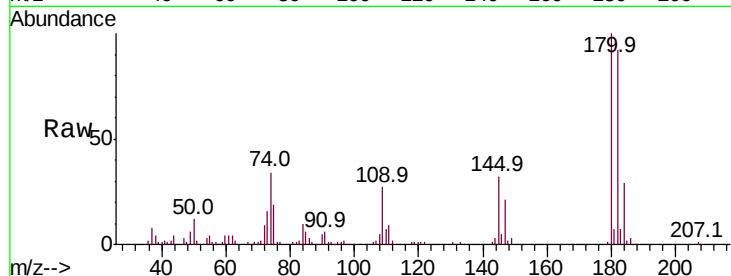




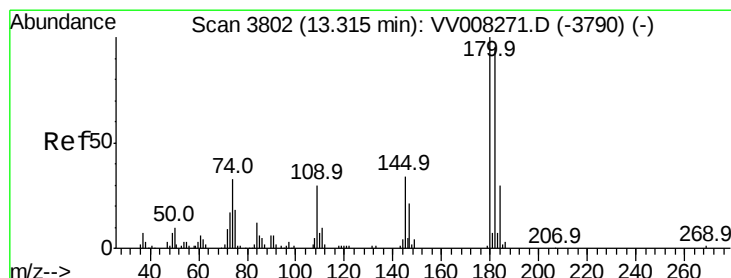
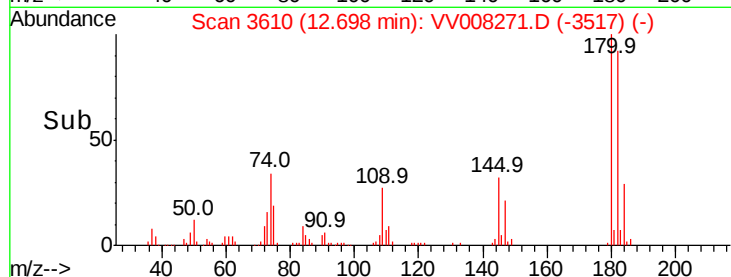
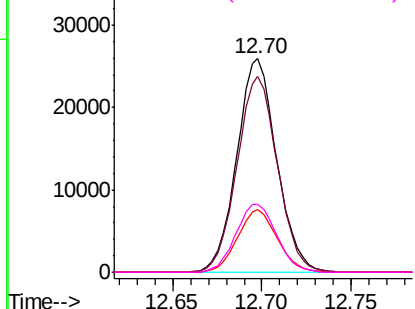
#67
 1,3,5-Trichlorobenzene
 Concen: 4.558 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV008271.D
 Acq: 15 Oct 2018 11:54

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	180	Resp:	40449
Ion	Ratio	Lower	Upper
180	100		
182	93.1	74.5	111.7
184	29.4	23.5	35.3
145	32.4	25.9	38.9

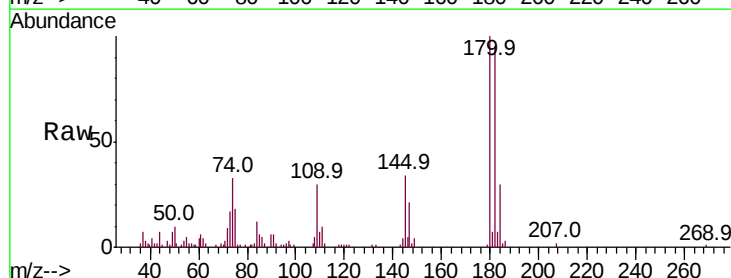


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

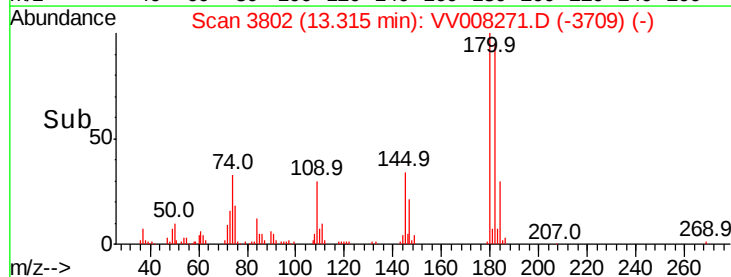
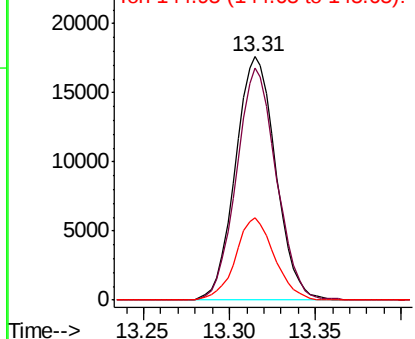


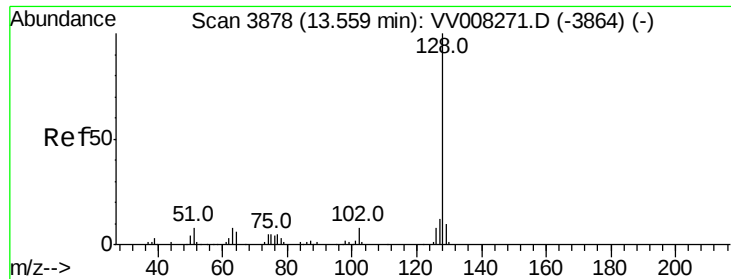
#68
 1,2,4-trichlorobenzene
 Concen: 4.405 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV008271.D
 Acq: 15 Oct 2018 11:54

Tgt Ion:	180	Resp:	28694
Ion	Ratio	Lower	Upper
180	100		
182	94.1	75.3	112.9
145	32.6	26.1	39.1



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.865 ug/L

RT: 13.56 min Scan# 3878

Delta R.T. 0.00 min

Lab File: VV008271.D

Acq: 15 Oct 2018 11:54

Instrument :

MSVOA_V

ClientSampleId :

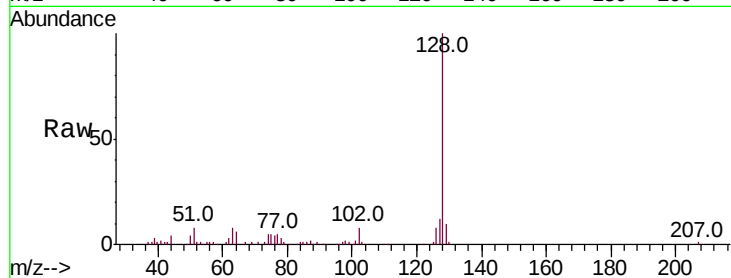
Tot Ion:128 Resp: 52848

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

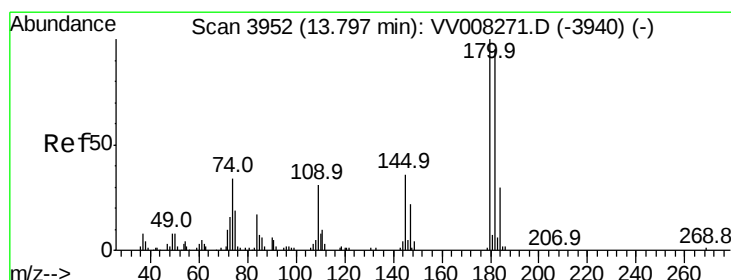
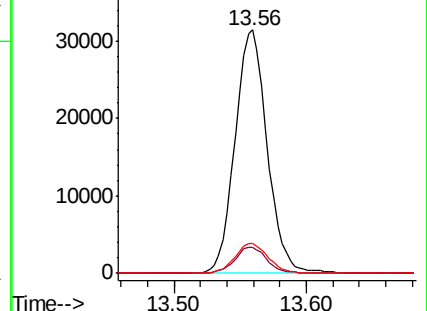
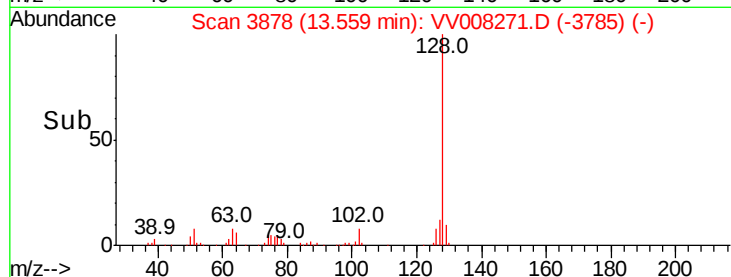
127 12.6 10.1 15.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.520 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV008271.D

Acq: 15 Oct 2018 11:54

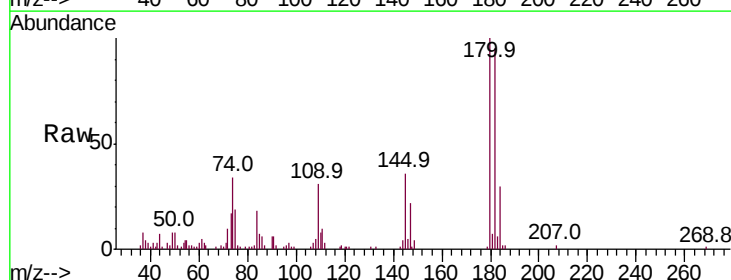
Tgt Ion:180 Resp: 28177

Ion Ratio Lower Upper

180 100

182 94.8 75.8 113.8

145 35.4 28.3 42.5



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

