

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101518\
 Data File : VV008275.D
 Acq On : 15 Oct 2018 14:22
 Operator : SY/MD
 Sample : VSTD0.570
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 16 04:42:39 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	135979	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	119867	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	49183	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	3638	0.44	ug/L	0.00
7) Chloroethane-d5	1.58	69	3375	0.50	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	7530	0.47	ug/L	0.00
20) 2-Butanone-d5	3.99	46	10790	5.04	ug/L	0.01
24) Chloroform-d	4.41	84	8089	0.47	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	4159	0.48	ug/L	0.00
32) Benzene-d6	5.10	84	16999	0.54	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	5321	0.52	ug/L	0.00
41) Toluene-d8	7.36	98	15019	0.50	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	2652	0.73	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	7325	5.20	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	3546	0.51	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	4696	0.50	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	6224	0.670 ug/L	92
3) Chloromethane	1.25	50	6175	0.748 ug/L	99
5) Vinyl chloride	1.32	62	5718	0.645 ug/L	99
6) Bromomethane	1.54	94	3399	0.778 ug/L	94
8) Chloroethane	1.60	64	2847	0.499 ug/L	87
9) Trichlorofluoromethane	1.77	101	6979	0.487 ug/L	94
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	3782	0.450 ug/L	98
12) 1,1-Dichloroethene	2.14	96	3633	0.508 ug/L	80
13) Acetone	2.23	43	7880	5.704 ug/L	52
14) Carbon disulfide	2.32	76	12813	0.660 ug/L #	91
15) Methyl Acetate	2.48	43	2048	0.634 ug/L #	90
16) Methylene chloride	2.54	84	5196	0.600 ug/L	90
17) Methyl tert-butyl Ether	2.82	73	10492	0.567 ug/L #	90
18) trans-1,2-Dichloroethene	2.79	96	4241	0.543 ug/L	97
19) 1,1-Dichloroethane	3.23	63	7431	0.496 ug/L #	88
21) 2-Butanone	4.07	43	15833	6.647 ug/L	89
22) cis-1,2-Dichloroethene	3.96	96	6623	0.702 ug/L #	98
23) Bromochloromethane	4.30	128	2257	0.549 ug/L	86
25) Chloroform	4.43	83	9748	0.581 ug/L	98
27) 1,2-Dichloroethane	5.19	62	5434	0.551 ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	8708	0.644 ug/L	94
30) Cyclohexane	4.72	56	9930	0.789 ug/L	88
31) Carbon tetrachloride	4.87	117	6941	0.577 ug/L	100
33) Benzene	5.15	78	22824	0.711 ug/L	100
34) Trichloroethene	5.96	95	6694	0.717 ug/L	98
35) Methylcyclohexane	6.18	83	10739	0.790 ug/L	98
37) 1,2-Dichloropropane	6.23	63	5796	0.661 ug/L #	97
38) Bromodichloromethane	6.56	83	6498	0.617 ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	8397	0.733 ug/L	99
40) 4-Methyl-2-pentanone	7.29	43	36740	7.229 ug/L	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101518\
 Data File : VV008275.D
 Acq On : 15 Oct 2018 14:22
 Operator : SY/MD
 Sample : VSTD0.570
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

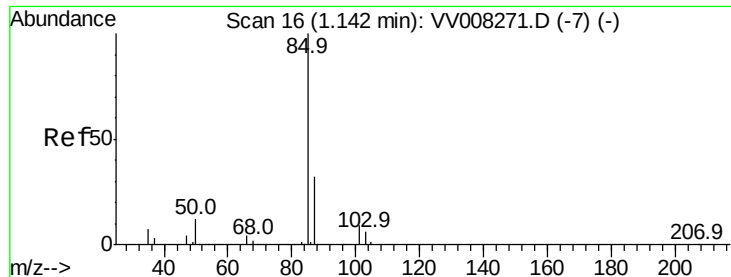
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 16 04:42:39 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	23309	0.691	ug/L	96
44) trans-1,3-Dichloropropene	7.70	75	6902	0.747	ug/L	95
45) 1,1,2-Trichloroethane	7.89	97	3535	0.597	ug/L	95
47) Tetrachloroethene	8.02	164	3812	0.495	ug/L	96
48) 2-Hexanone	8.20	43	26228	7.452	ug/L	99
49) Dibromochloromethane	8.29	129	4232	0.581	ug/L	95
50) 1,2-Dibromoethane	8.40	107	3327	0.615	ug/L #	85
51) Chlorobenzene	8.93	112	13325	0.582	ug/L	92
52) Ethylbenzene	9.06	91	25415	0.688	ug/L	97
53) m,p-xylene	9.19	106	8757	0.630	ug/L	90
54) o-xylene	9.59	106	9363	0.701	ug/L	92
55) Styrene	9.61	104	14456	0.648	ug/L	97
56) Isopropylbenzene	9.98	105	23997	0.664	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	4264	0.616	ug/L #	98
59) 1,2,3-Trichloropropane	10.32	75	3222	0.639	ug/L #	80
61) Bromoform	9.77	173	1788	0.568	ug/L #	94
62) 1,3-Dichlorobenzene	11.23	146	8922	0.590	ug/L	92
63) 1,4-Dichlorobenzene	11.32	146	9309	0.614	ug/L	94
65) 1,2-Dichlorobenzene	11.70	146	9140	0.628	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.49	75	673	0.820	ug/L #	85
67) 1,3,5-Trichlorobenzene	12.70	180	5506	0.451	ug/L	98
68) 1,2,4-trichlorobenzene	13.32	180	3414	0.381	ug/L	98
69) Naphthalene	13.56	128	6790	0.548	ug/L	97
70) 1,2,3-Trichlorobenzene	13.80	180	3885	0.453	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 0.670 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV008275.D

Acq: 15 Oct 2018 14:22

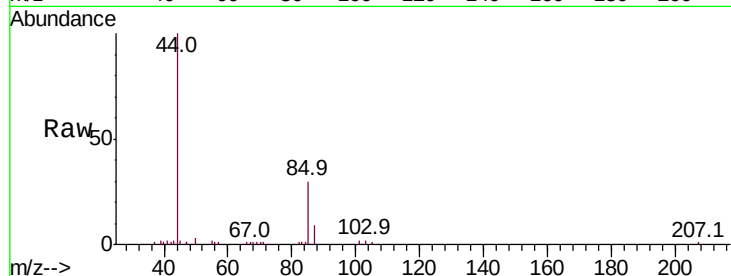
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 6224

Ion Ratio Lower Upper

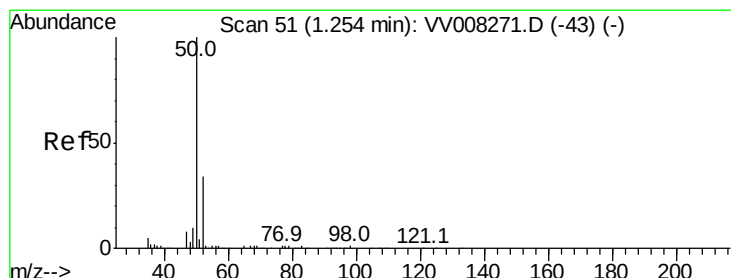
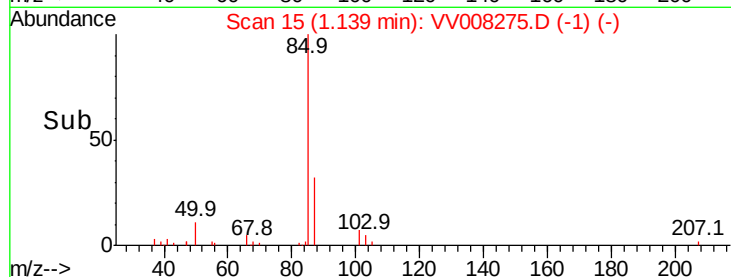
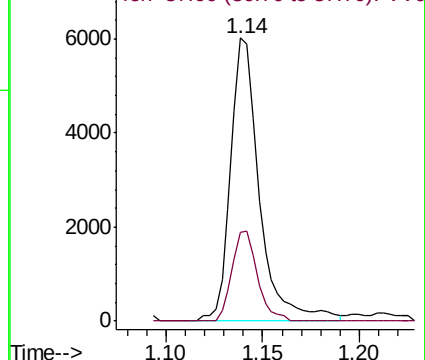
85 100

87 27.8 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 0.748 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV008275.D

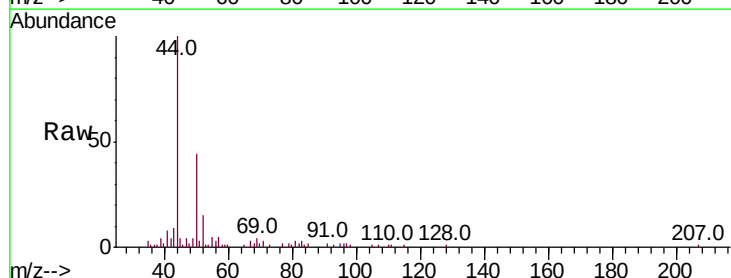
Acq: 15 Oct 2018 14:22

Tgt Ion: 50 Resp: 6175

Ion Ratio Lower Upper

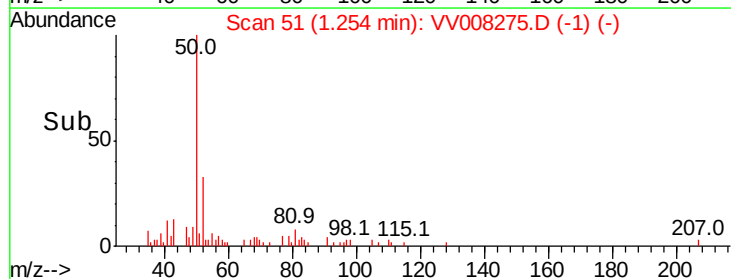
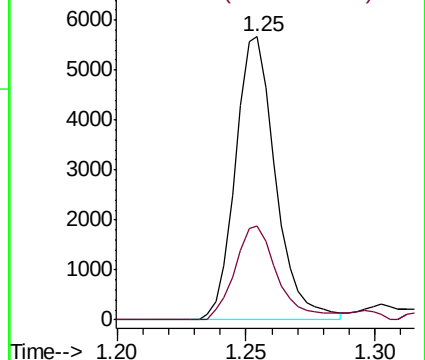
50 100

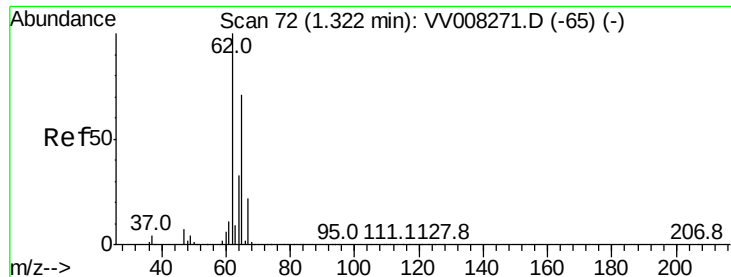
52 33.4 23.7 43.9



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 0.645 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV008275.D

Acq: 15 Oct 2018 14:22

Instrument :

MSVOA_V

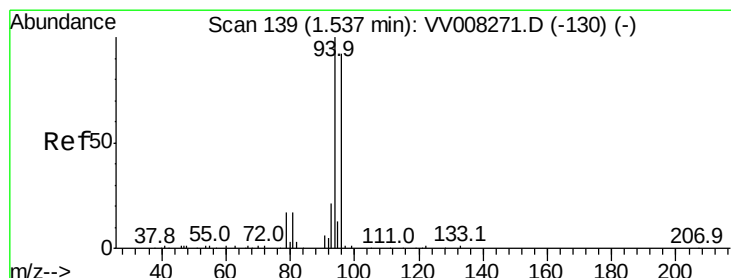
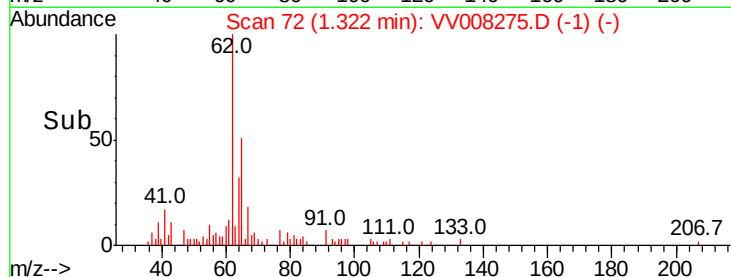
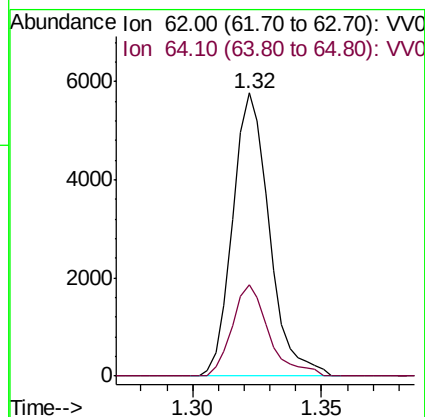
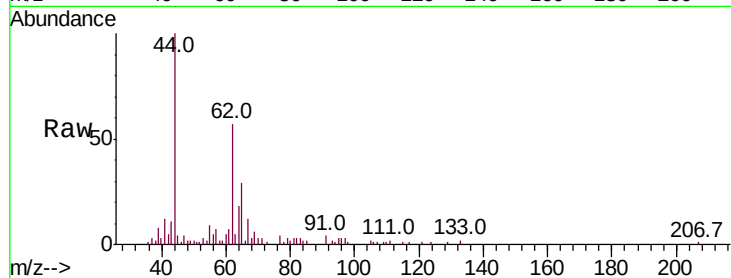
ClientSampleId :

Tot Ion: 62 Resp: 5718

Ion Ratio Lower Upper

62 100

64 32.3 22.9 42.5



#6

Bromomethane

Concen: 0.778 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV008275.D

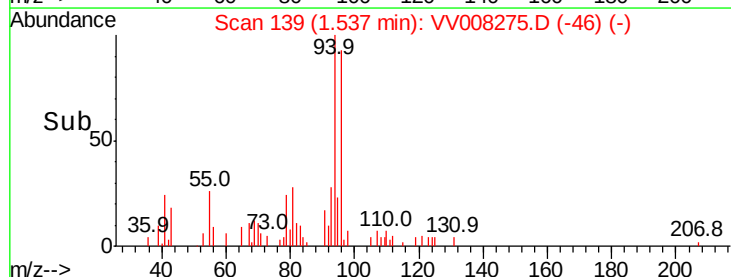
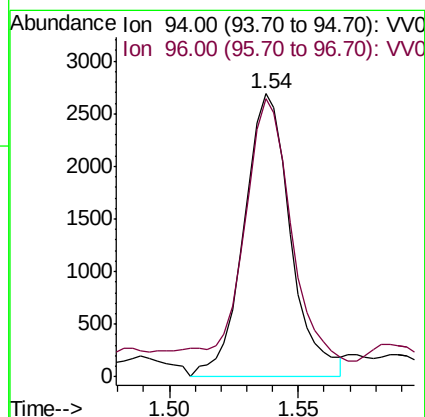
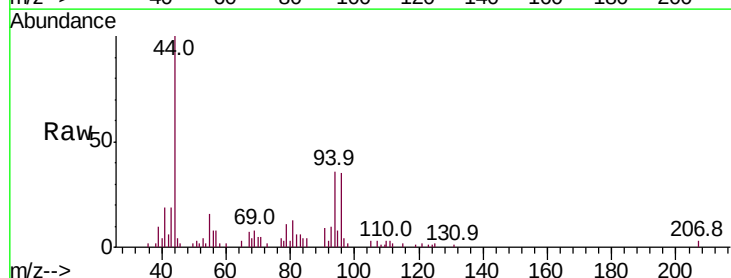
Acq: 15 Oct 2018 14:22

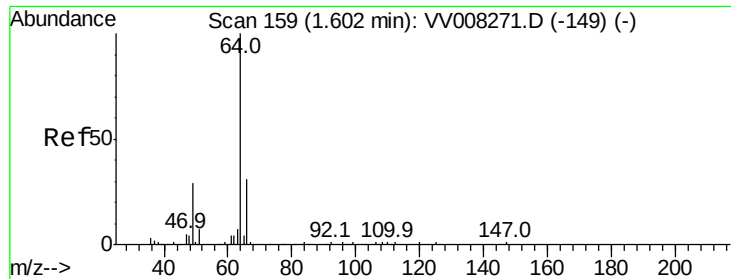
Tgt Ion: 94 Resp: 3399

Ion Ratio Lower Upper

94 100

96 98.2 65.0 120.8





#8

Chloroethane

Concen: 0.499 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV008275.D

Acq: 15 Oct 2018 14:22

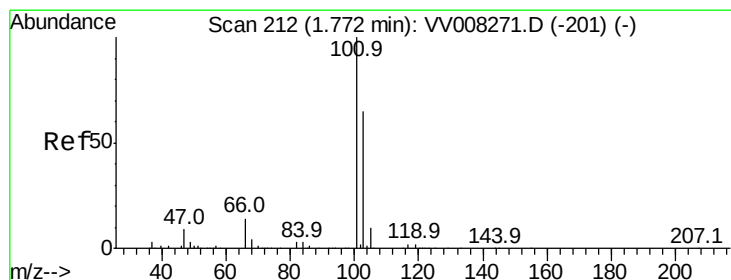
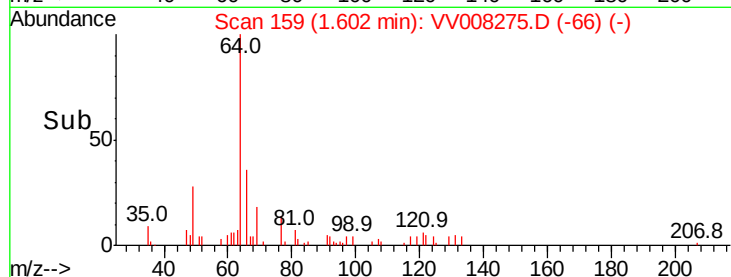
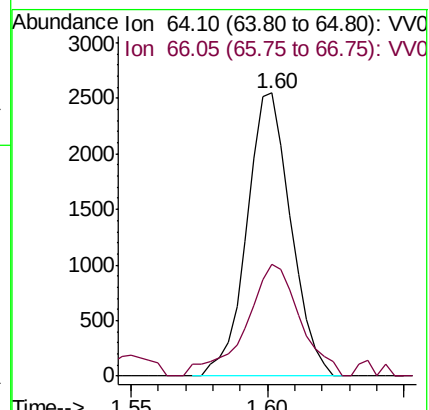
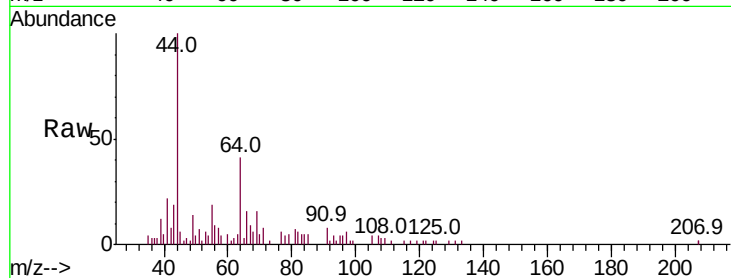
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 2847

Ion Ratio Lower Upper

64 100

66 39.6 22.5 41.9



#9

Trichlorofluoromethane

Concen: 0.487 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV008275.D

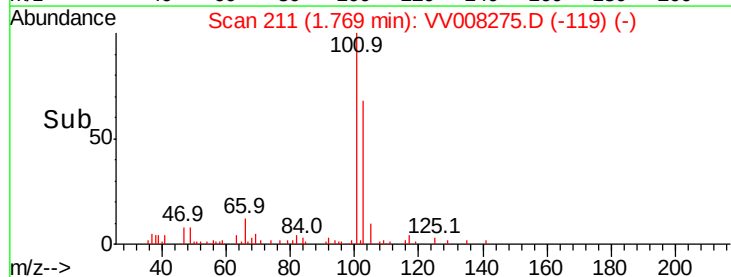
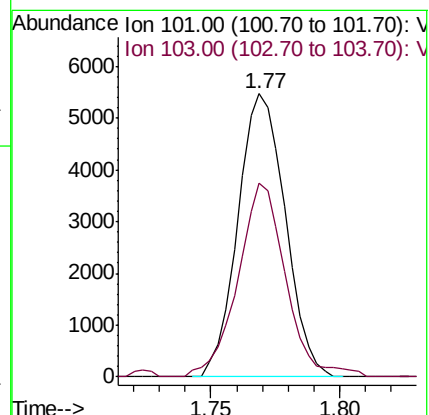
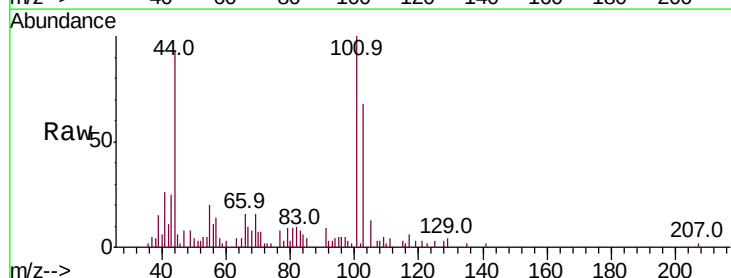
Acq: 15 Oct 2018 14:22

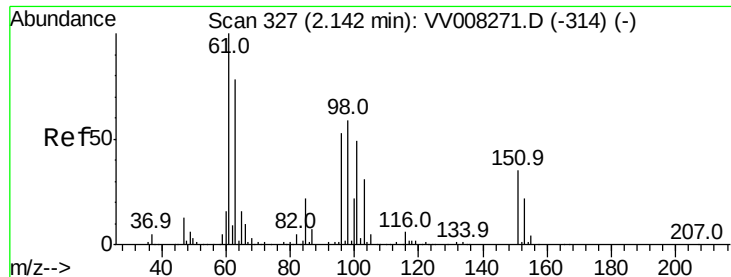
Tgt Ion: 101 Resp: 6979

Ion Ratio Lower Upper

101 100

103 69.2 51.8 77.6





#10

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

Concen: 0.450 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV008275.D

Acq: 15 Oct 2018 14:22

Instrument :

MSVOA_V

ClientSampled :

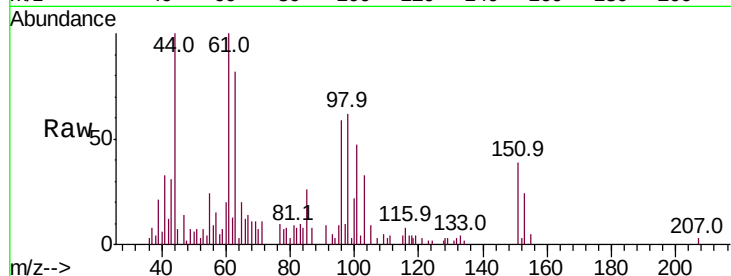
Tot Ion:101 Resp: 3782

Ion Ratio Lower Upper

101 100

85 46.6 37.4 56.2

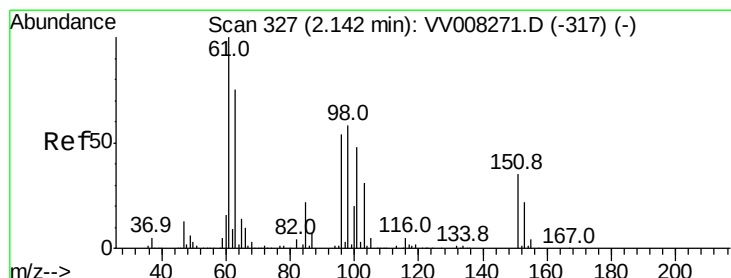
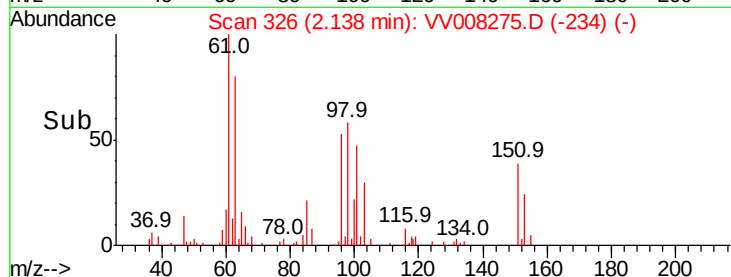
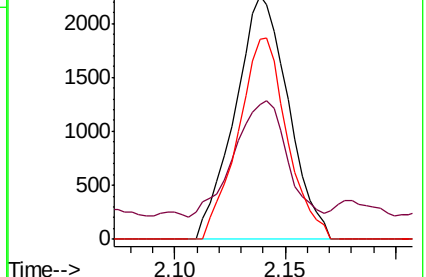
151 76.0 59.0 88.6



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: 0.508 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV008275.D

Acq: 15 Oct 2018 14:22

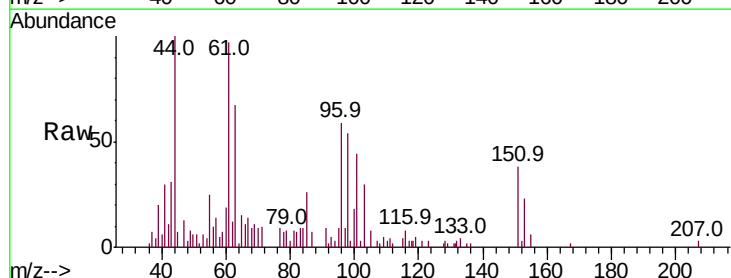
Tgt Ion: 96 Resp: 3633

Ion Ratio Lower Upper

96 100

61 165.6 129.9 241.3

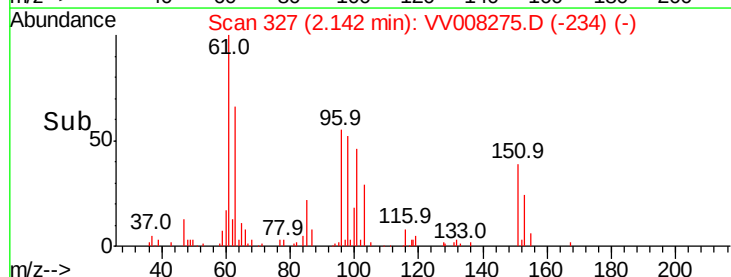
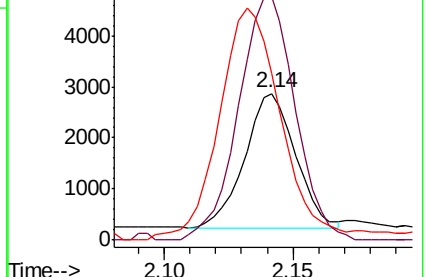
63 113.6 103.0 191.4

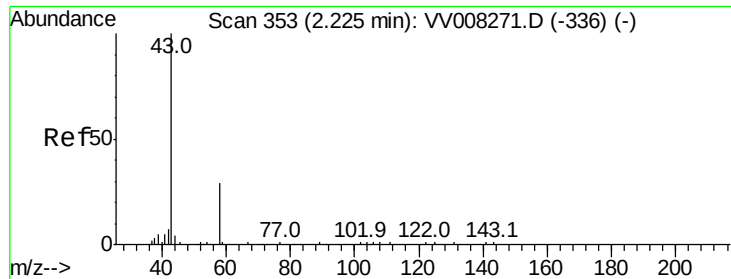


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 5.704 ug/L

RT: 2.23 min Scan# 355

Delta R.T. 0.01 min

Lab File: VV008275.D

Acq: 15 Oct 2018 14:22

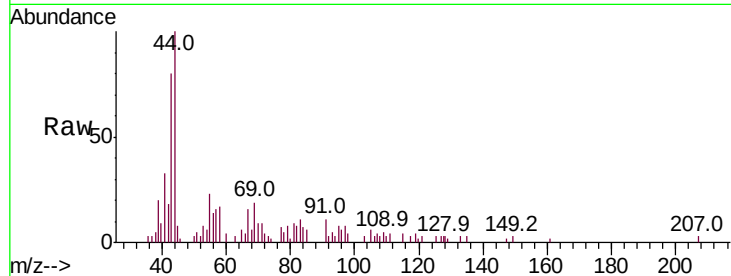
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 7880

Ion Ratio Lower Upper

43 100

58 4.4 0.0 62.0

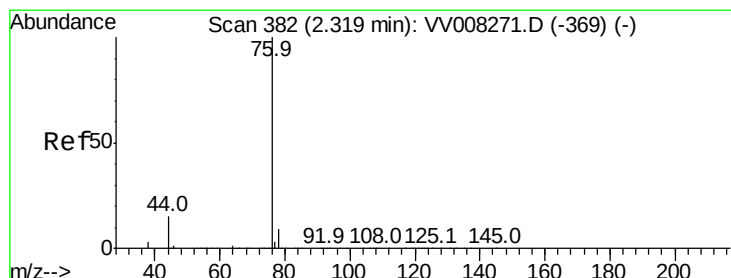
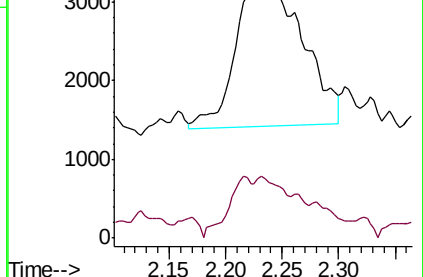
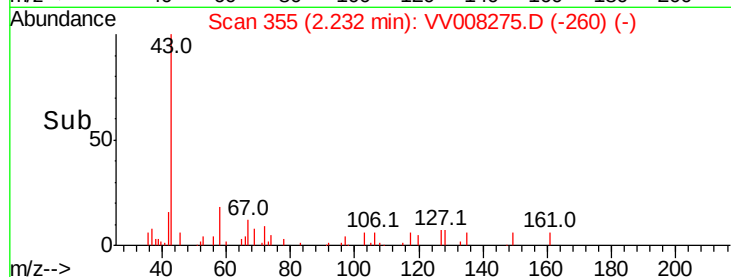


Abundance Ion 43.05 (42.75 to 43.75): VV008271.D (-336) (-)

Ion 58.05 (57.75 to 58.75): VV008271.D (-336) (-)

2.23

Time-->



#14

Carbon disulfide

Concen: 0.660 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV008275.D

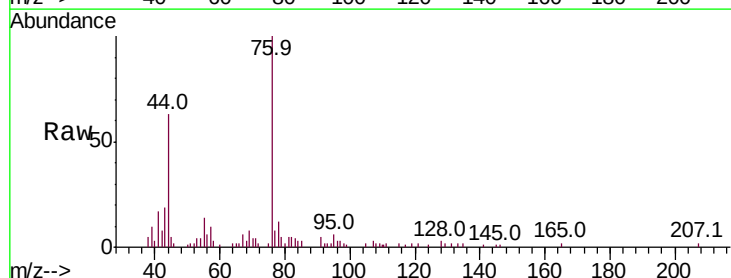
Acq: 15 Oct 2018 14:22

Tgt Ion: 76 Resp: 12813

Ion Ratio Lower Upper

76 100

78 12.4 7.4 11.2#

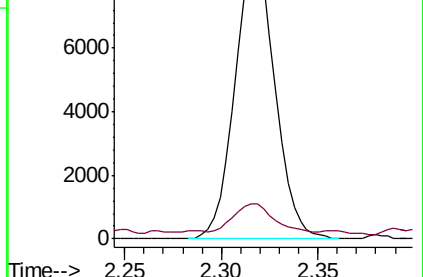
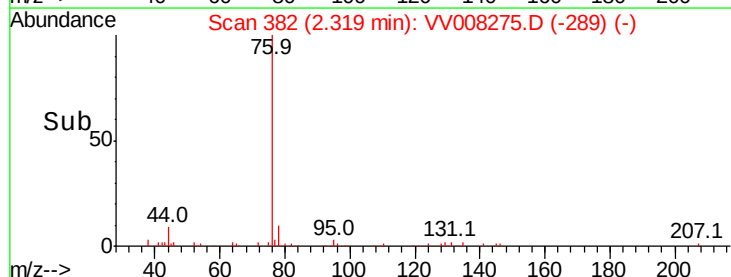


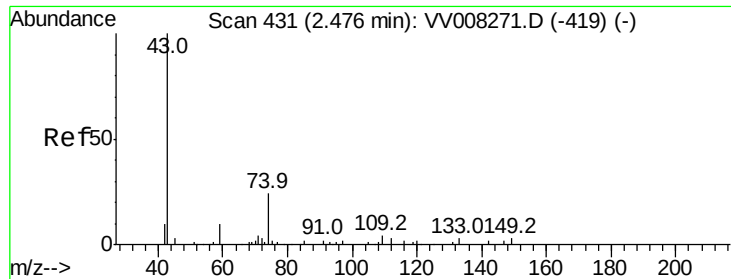
Abundance Ion 76.05 (75.75 to 76.75): VV008271.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VV008271.D (-369) (-)

2.32

Time-->

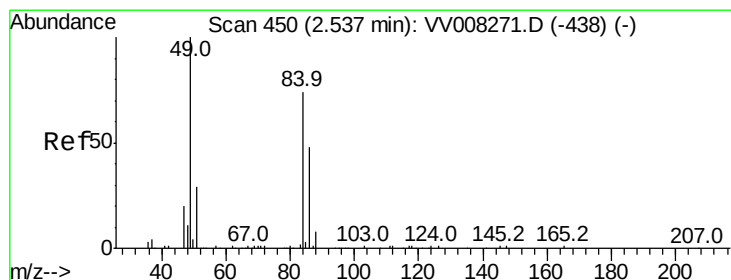
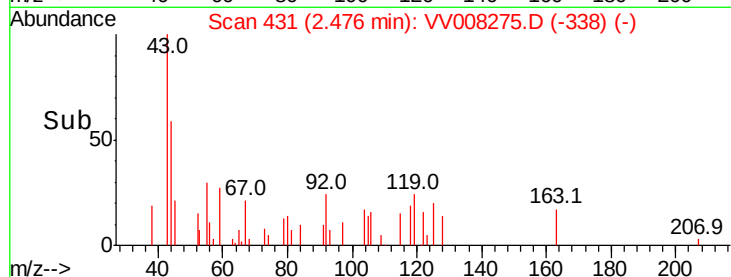
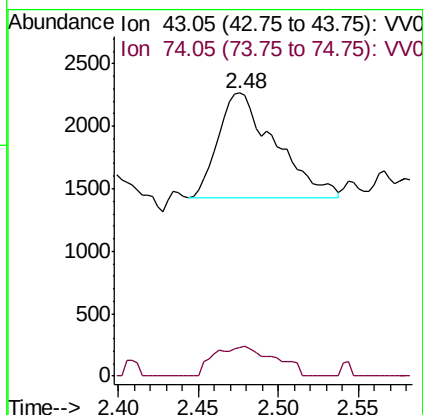
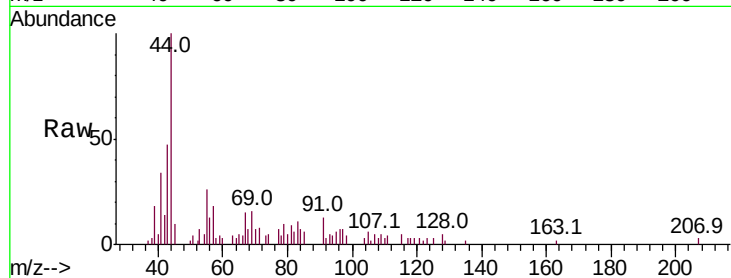




#15
Methvl Acetate
Concen: 0.634 ug/L
RT: 2.48 min Scan# 431
Delta R.T. 0.00 min
Lab File: VV008275.D
Acq: 15 Oct 2018 14:22

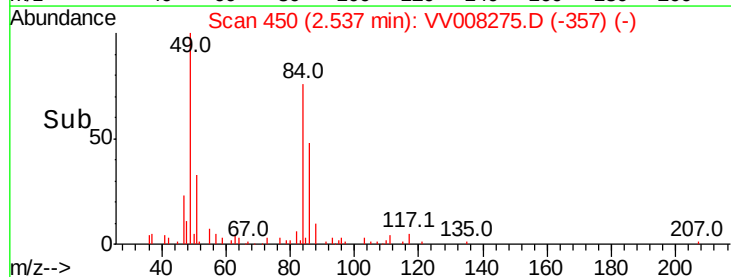
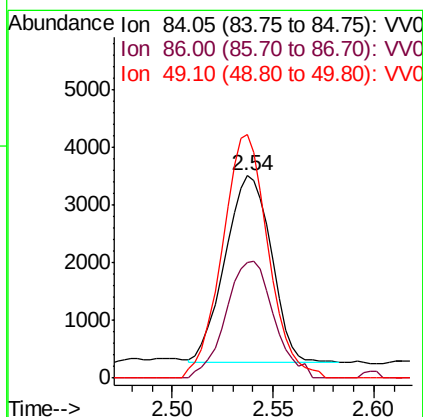
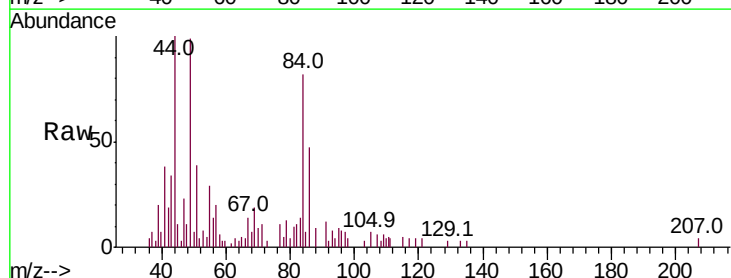
Instrument :
MSVOA_V
ClientSampled :

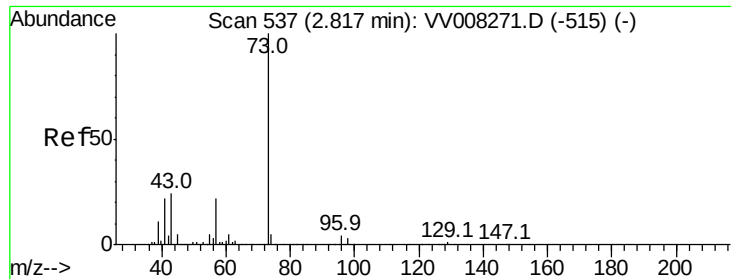
Tot Ion: 43 Resp: 2048
Ion Ratio Lower Upper
43 100
74 30.2 20.0 30.0#



#16
Methylene chloride
Concen: 0.600 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV008275.D
Acq: 15 Oct 2018 14:22

Tgt Ion: 84 Resp: 5196
Ion Ratio Lower Upper
84 100
86 57.1 45.0 83.6
49 120.2 92.9 172.5

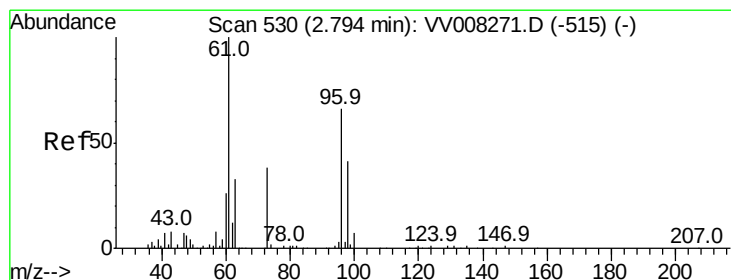
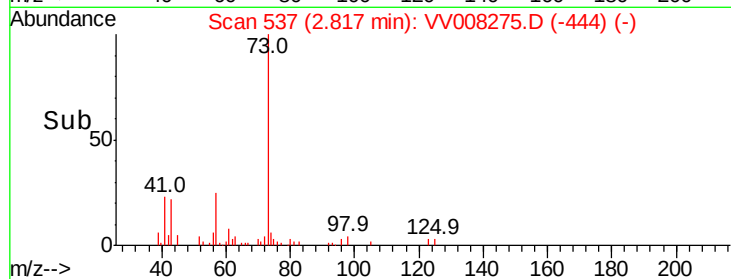
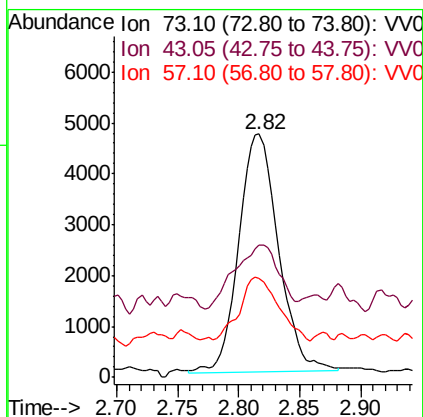
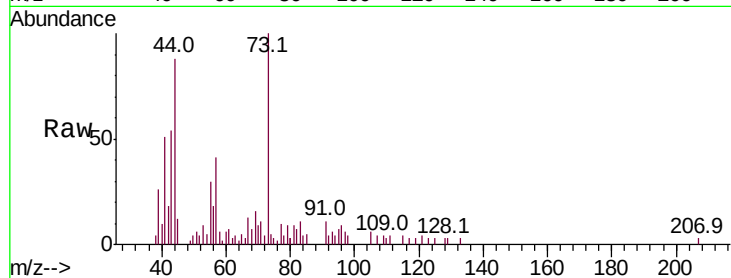




#17
Methvl tert-butvl Ether
Concen: 0.567 ug/L
RT: 2.82 min Scan# 537
Delta R.T. 0.00 min
Lab File: VV008275.D
Acq: 15 Oct 2018 14:22

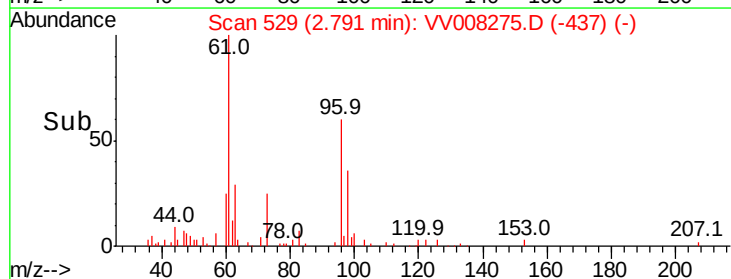
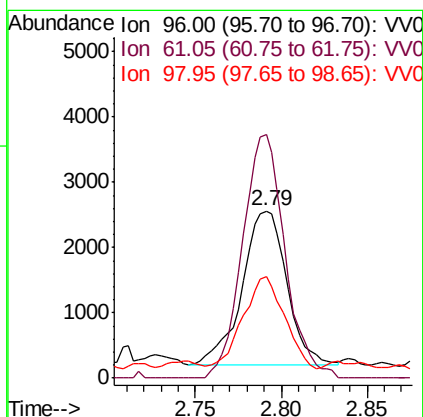
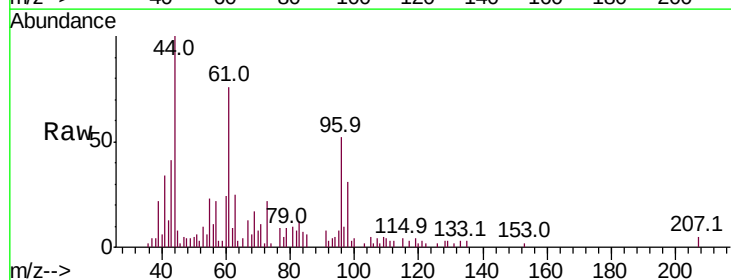
Instrument :
MSVOA_V
ClientSampleId :

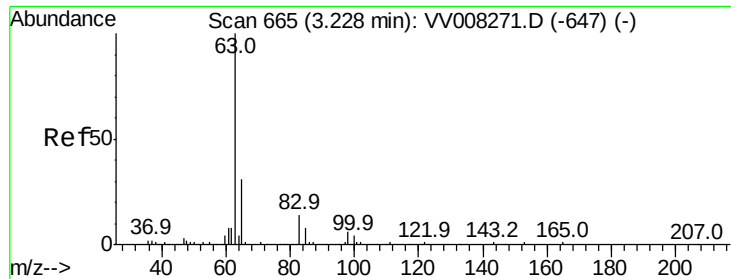
Tot Ion: 73 Resp: 10492
Ion Ratio Lower Upper
73 100
43 30.3 19.0 28.6#
57 26.0 18.2 27.2



#18
trans-1,2-Dichloroethene
Concen: 0.543 ug/L
RT: 2.79 min Scan# 529
Delta R.T. -0.00 min
Lab File: VV008275.D
Acq: 15 Oct 2018 14:22

Tgt Ion: 96 Resp: 4241
Ion Ratio Lower Upper
96 100
61 145.4 104.6 194.2
98 60.4 44.1 81.9

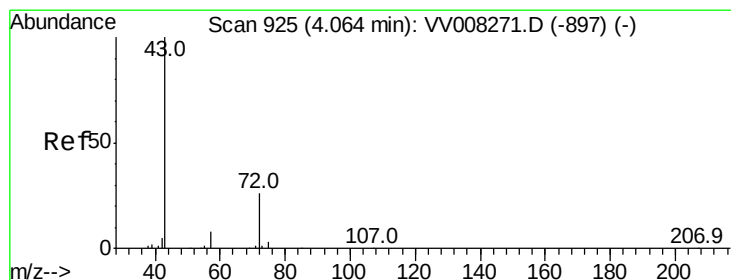
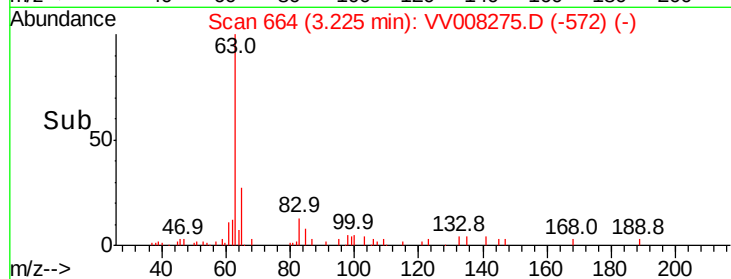
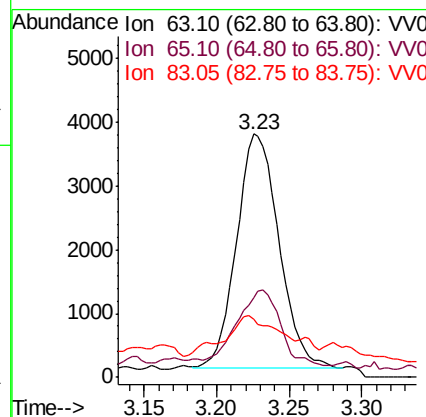
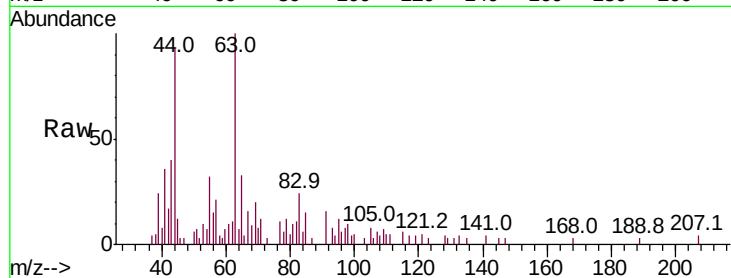




#19
 1,1-Dichloroethane
 Concen: 0.496 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VV008275.D
 Acq: 15 Oct 2018 14:22

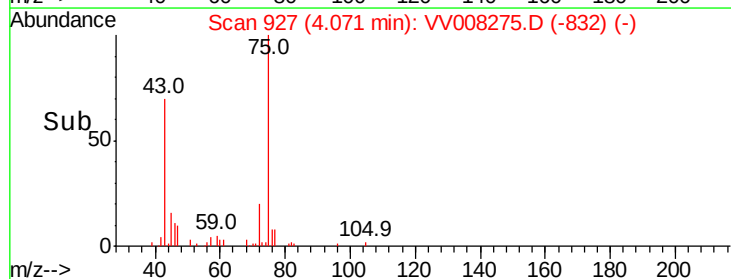
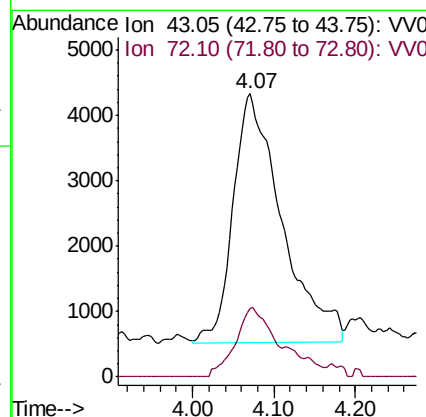
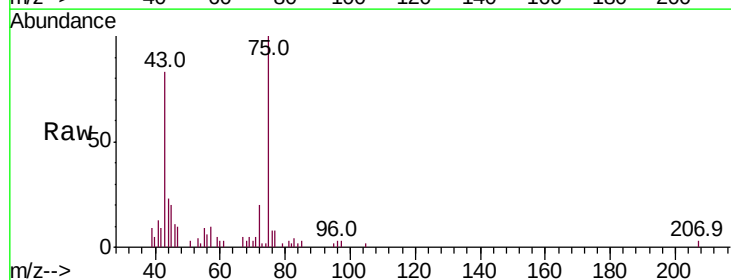
Instrument :
 MSVOA_V
 ClientSampleId :

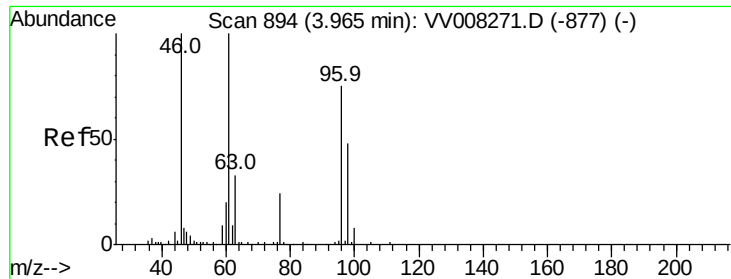
Tot Ion: 63 Resp: 7431
 Ion Ratio Lower Upper
 63 100
 65 37.0 22.6 42.0
 83 24.0 11.0 20.4#



#21
 2-Butanone
 Concen: 6.647 ug/L
 RT: 4.07 min Scan# 927
 Delta R.T. 0.01 min
 Lab File: VV008275.D
 Acq: 15 Oct 2018 14:22

Tgt Ion: 43 Resp: 15833
 Ion Ratio Lower Upper
 43 100
 72 20.2 12.9 38.7



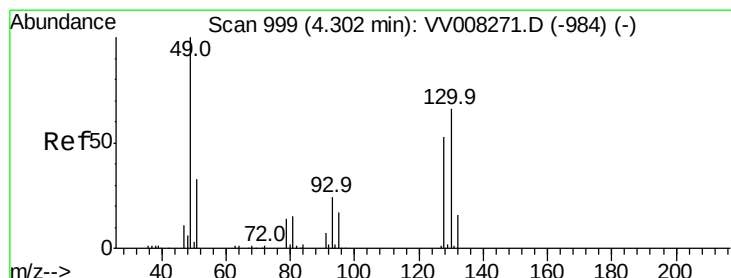
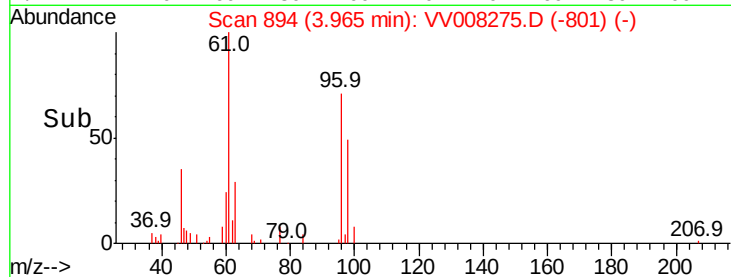
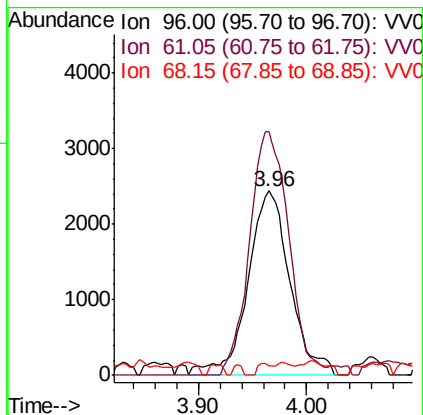
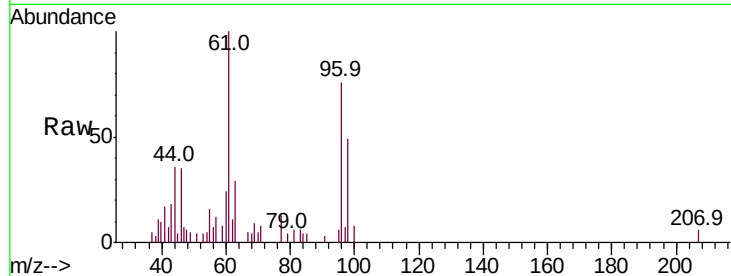


#22

cis-1,2-Dichloroethene
Concen: 0.702 ug/L
RT: 3.96 min Scan# 894
Delta R.T. 0.00 min
Lab File: VV008275.D
Acq: 15 Oct 2018 14:22

Instrument :
MSVOA_V
ClientSampleId :

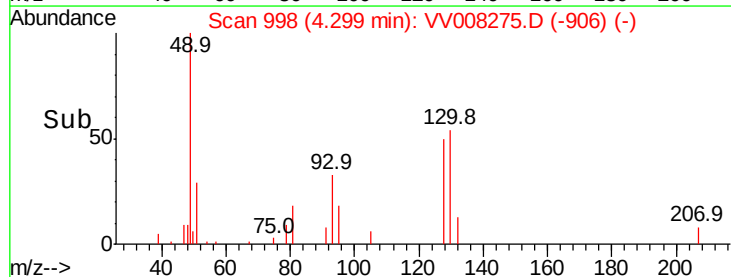
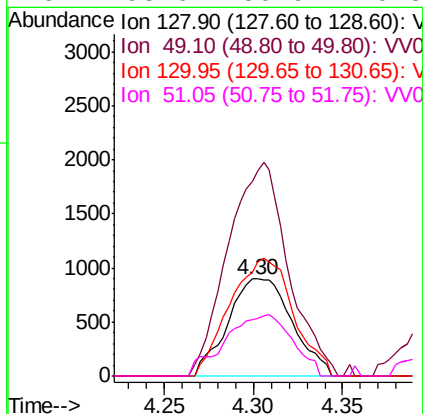
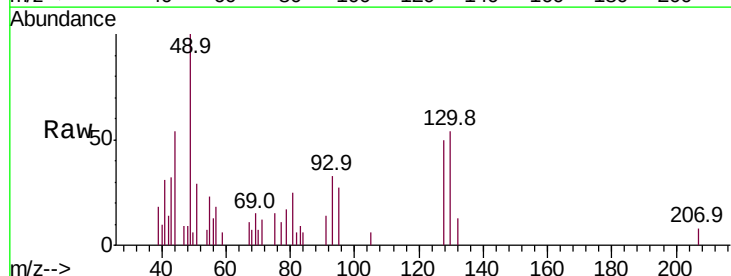
Tot Ion: 96 Resp: 6623
Ion Ratio Lower Upper
96 100
61 132.0 93.7 174.1
68 5.4 0.6 1.2#

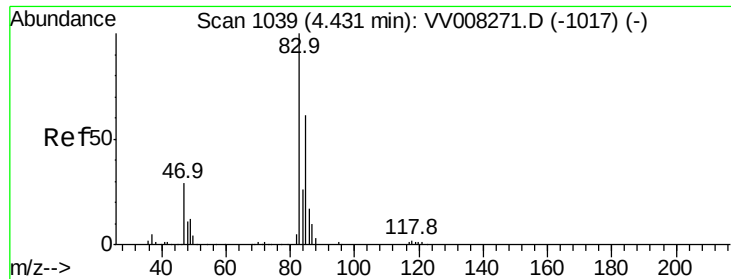


#23

Bromochloromethane
Concen: 0.549 ug/L
RT: 4.30 min Scan# 998
Delta R.T. -0.00 min
Lab File: VV008275.D
Acq: 15 Oct 2018 14:22

Tgt Ion: 128 Resp: 2257
Ion Ratio Lower Upper
128 100
49 212.3 131.3 243.9
130 107.3 86.0 159.8
51 58.6 50.9 76.3

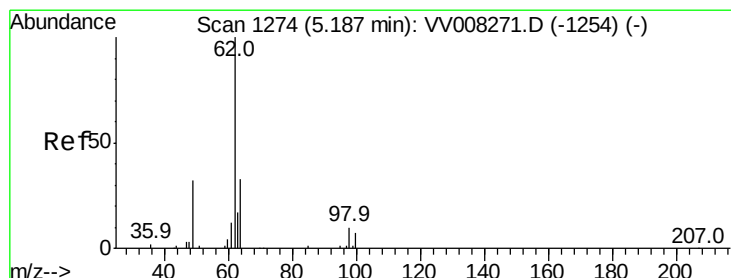
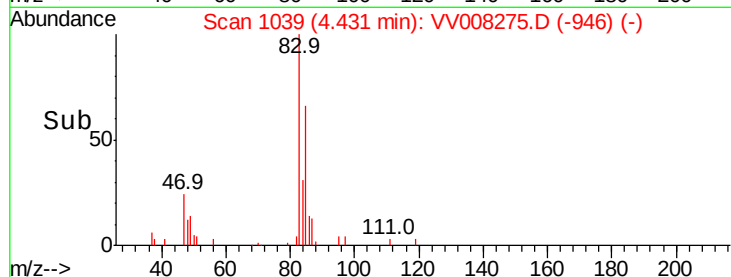
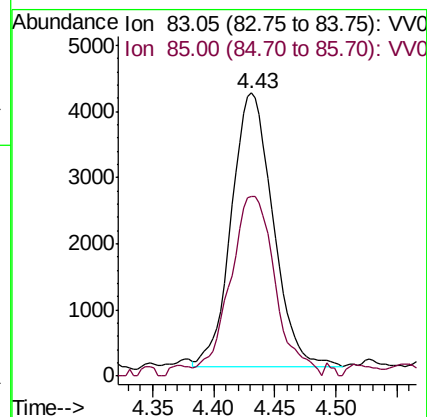
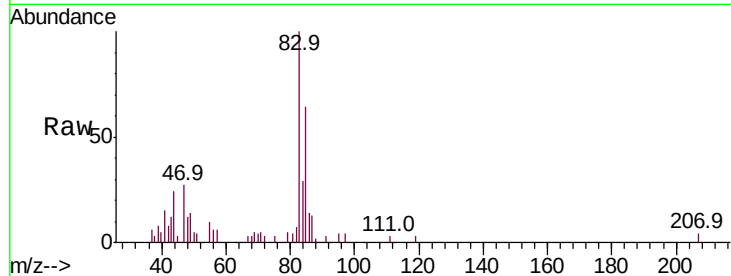




#25
Chloroform
Concen: 0.581 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VV008275.D
Acq: 15 Oct 2018 14:22

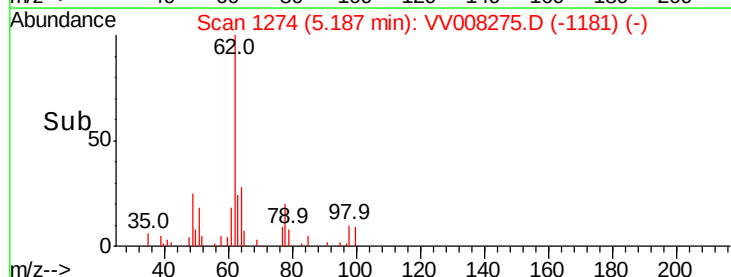
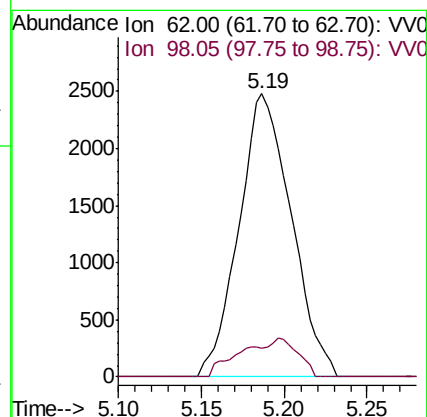
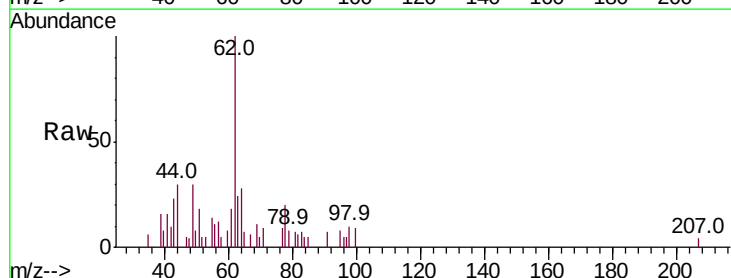
Instrument :
MSVOA_V
ClientSampleId :

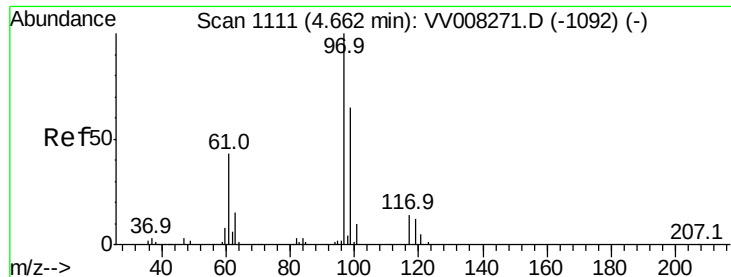
Tot Ion: 83 Resp: 9748
Ion Ratio Lower Upper
83 100
85 63.7 43.4 80.6



#27
1,2-Dichloroethane
Concen: 0.551 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. 0.00 min
Lab File: VV008275.D
Acq: 15 Oct 2018 14:22

Tgt Ion: 62 Resp: 5434
Ion Ratio Lower Upper
62 100
98 10.3 7.6 11.4

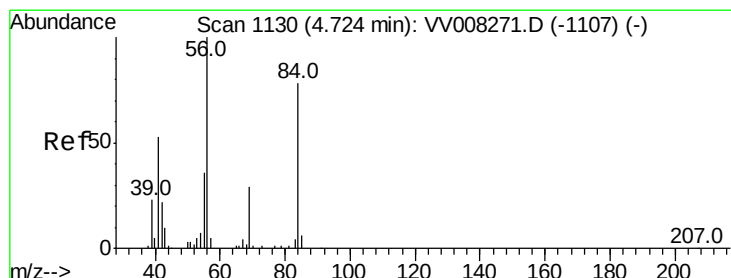
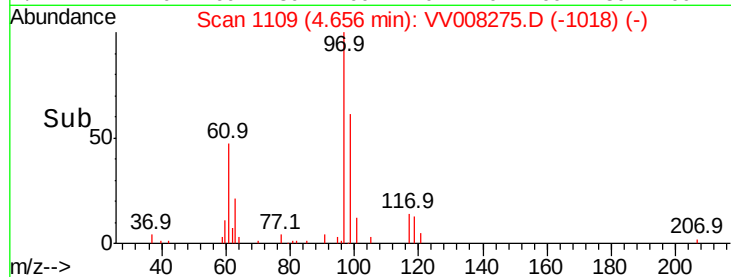
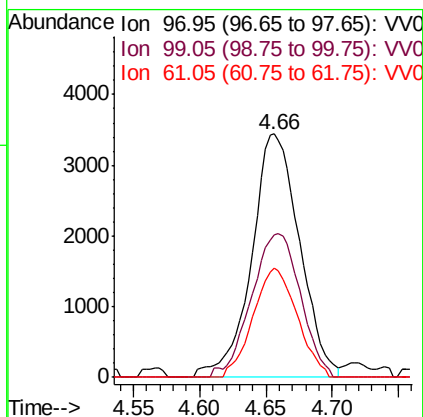
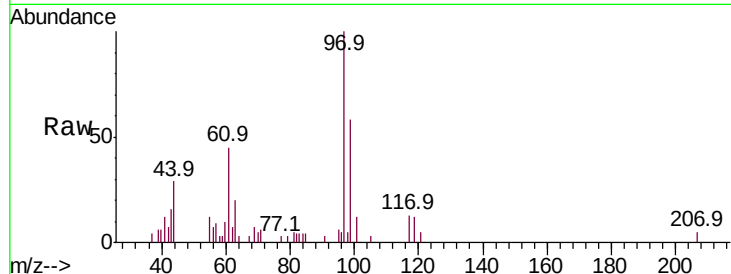




#29
 1,1,1-Trichloroethane
 Concen: 0.644 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. -0.01 min
 Lab File: VV008275.D
 Acq: 15 Oct 2018 14:22

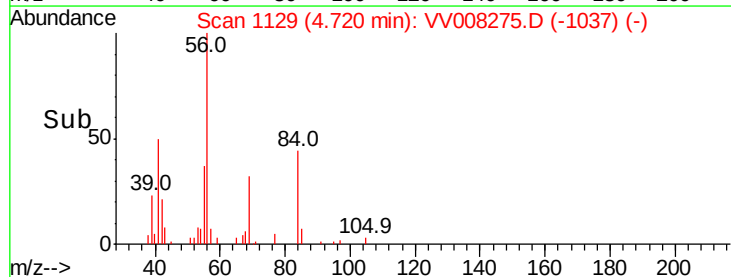
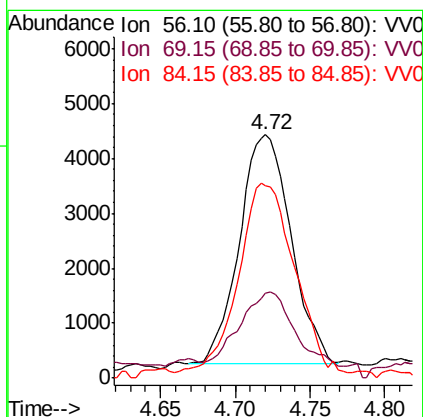
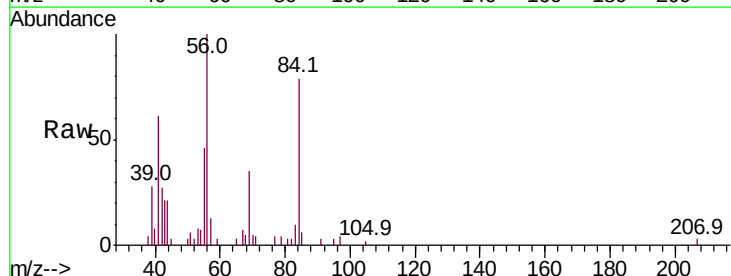
Instrument :
 MSVOA_V
 ClientSampleId :

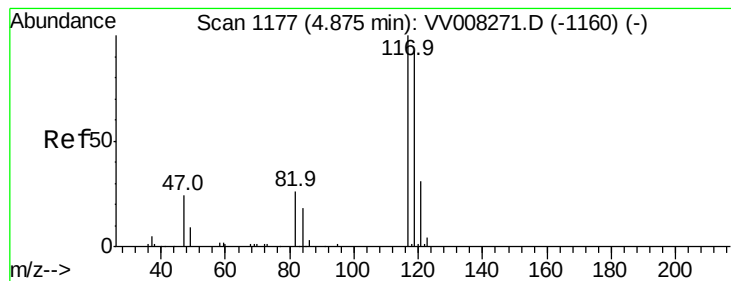
Tot Ion: 97 Resp: 8708
 Ion Ratio Lower Upper
 97 100
 99 60.4 51.6 77.4
 61 41.0 37.0 55.6



#30
 Cyclohexane
 Concen: 0.789 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. -0.00 min
 Lab File: VV008275.D
 Acq: 15 Oct 2018 14:22

Tgt Ion: 56 Resp: 9930
 Ion Ratio Lower Upper
 56 100
 69 33.8 24.3 36.5
 84 92.0 64.1 96.1





#31

Carbon tetrachloride

Concen: 0.577 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV008275.D

Acq: 15 Oct 2018 14:22

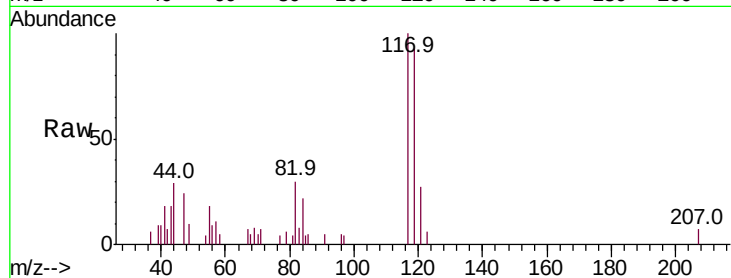
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 6941

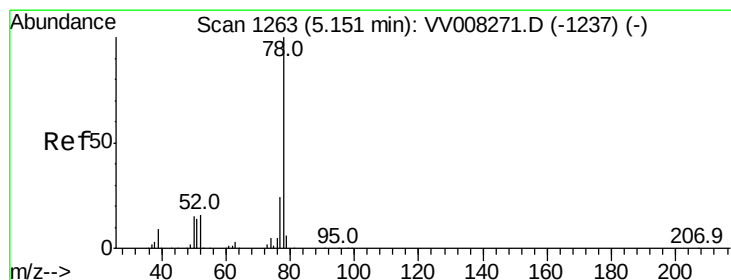
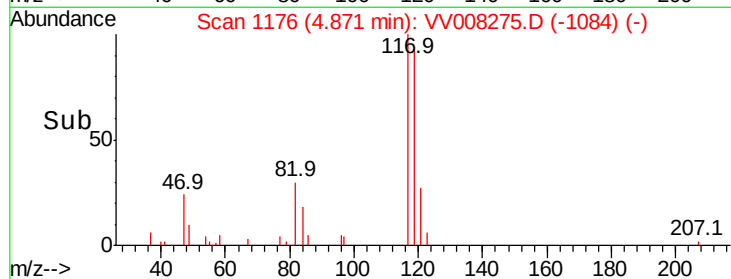
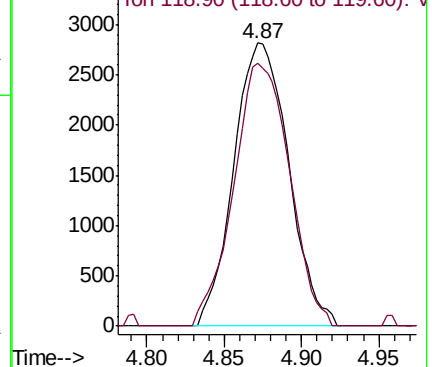
Ion Ratio Lower Upper

117 100

119 94.5 75.5 113.3



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



#33

Benzene

Concen: 0.711 ug/L

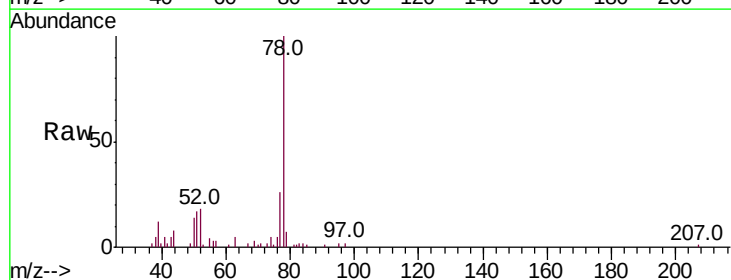
RT: 5.15 min Scan# 1262

Delta R.T. -0.00 min

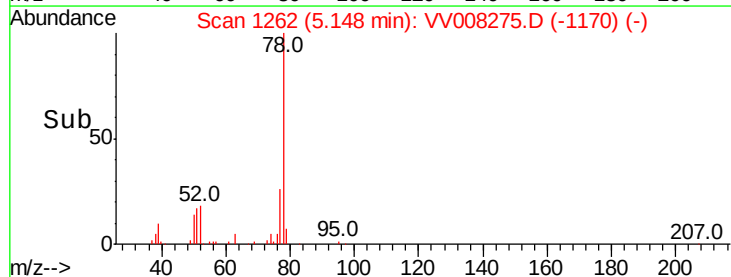
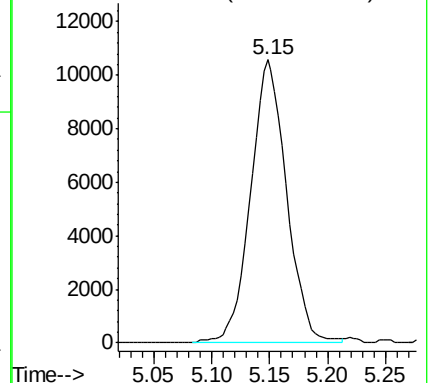
Lab File: VV008275.D

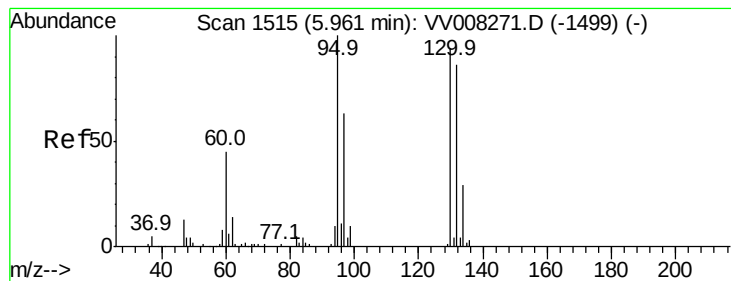
Acq: 15 Oct 2018 14:22

Tgt Ion: 78 Resp: 22824



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 0.717 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV008275.D

Acq: 15 Oct 2018 14:22

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 6694

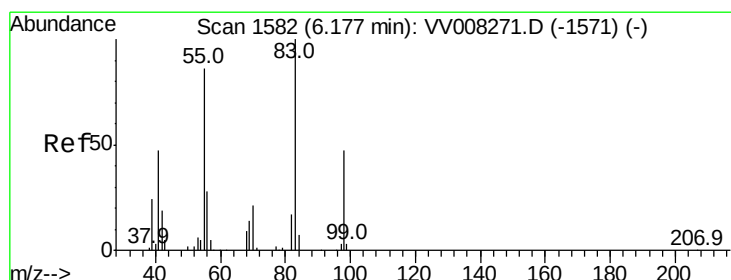
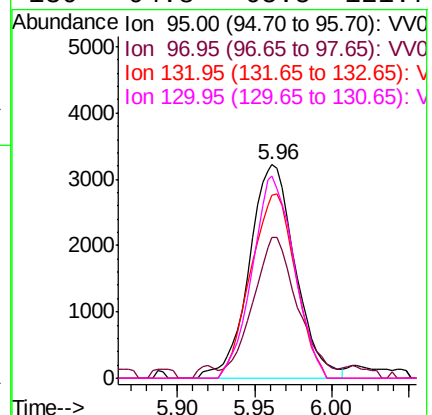
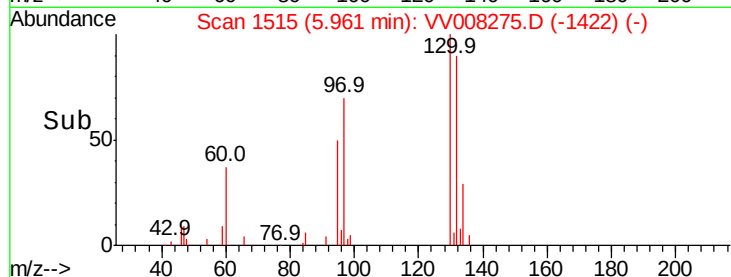
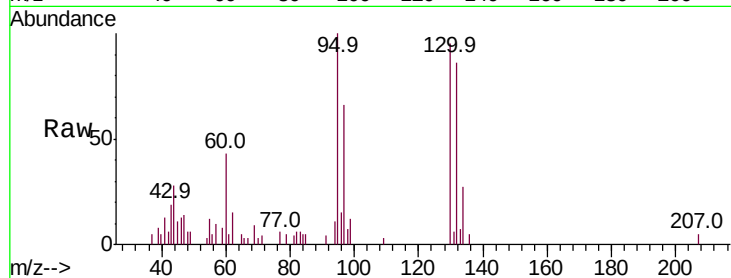
Ion Ratio Lower Upper

95 100

97 66.2 44.4 82.4

132 85.7 60.4 112.2

130 94.8 65.5 121.7



#35

Methylcyclohexane

Concen: 0.790 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV008275.D

Acq: 15 Oct 2018 14:22

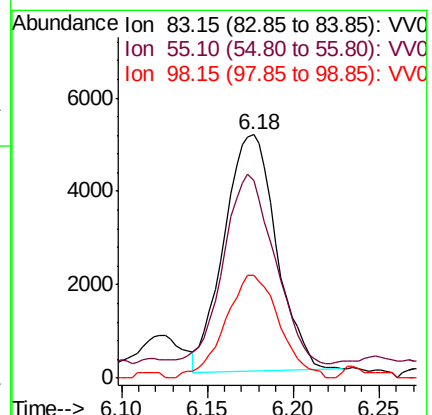
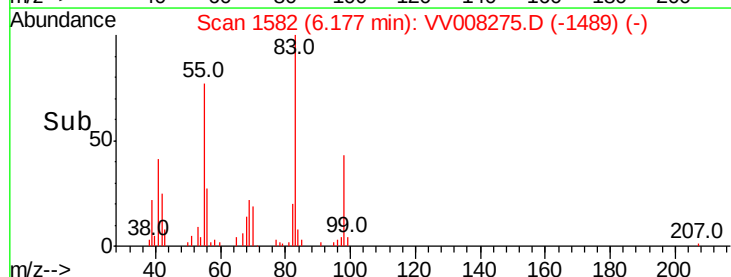
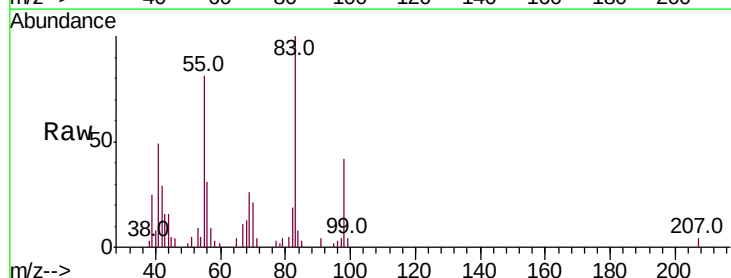
Tgt Ion: 83 Resp: 10739

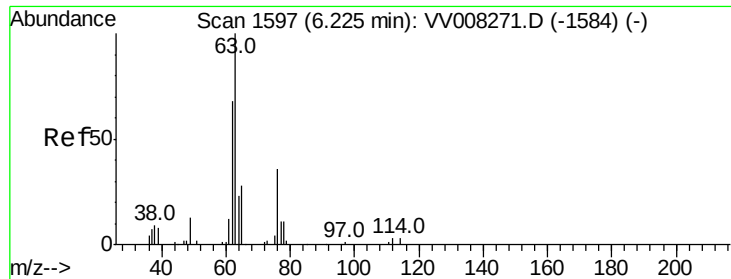
Ion Ratio Lower Upper

83 100

55 78.6 64.0 96.0

98 44.7 37.0 55.4





#37

1,2-Dichloropropane

Concen: 0.661 ug/L

RT: 6.23 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VV008275.D

Acq: 15 Oct 2018 14:22

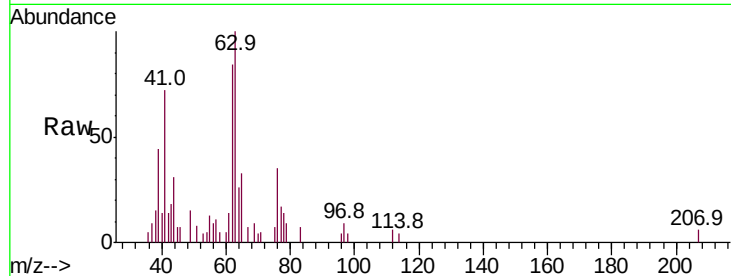
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 63 Resp: 5796

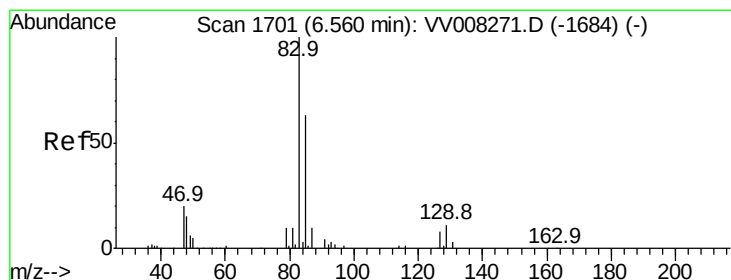
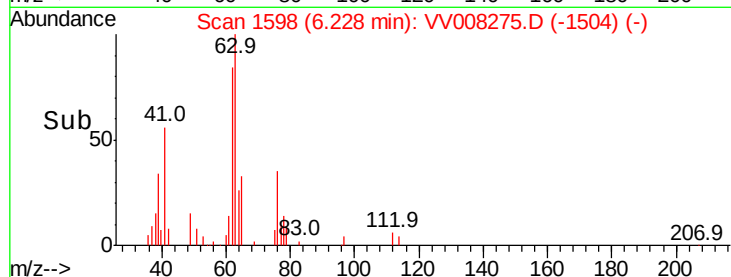
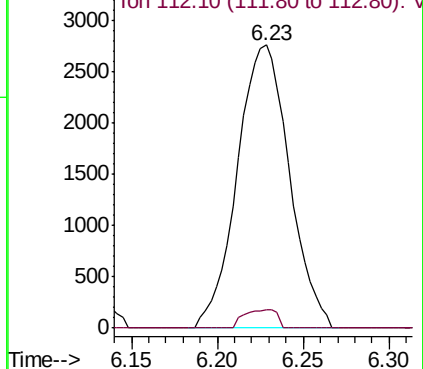
Ion Ratio Lower Upper

63 100

112 4.2 2.6 3.8#



Abundance Ion 63.10 (62.80 to 63.80): VV008275.D (-1598) (-)



#38

Bromodichloromethane

Concen: 0.617 ug/L

RT: 6.56 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VV008275.D

Acq: 15 Oct 2018 14:22

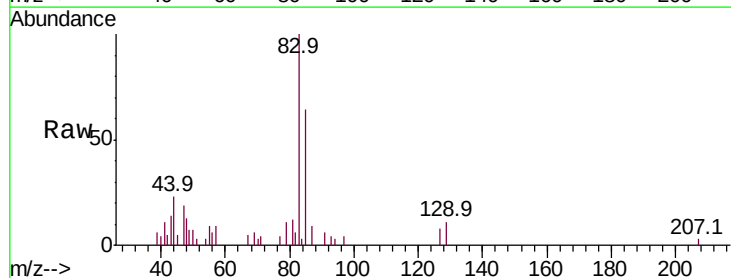
Tgt Ion: 83 Resp: 6498

Ion Ratio Lower Upper

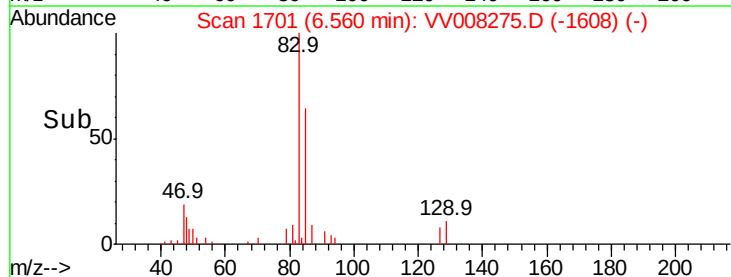
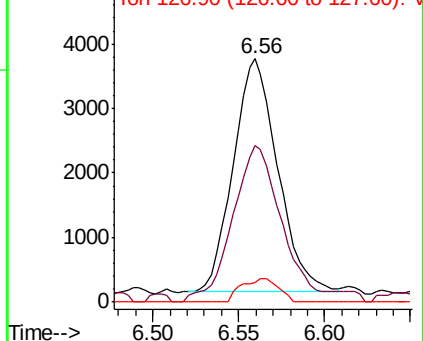
83 100

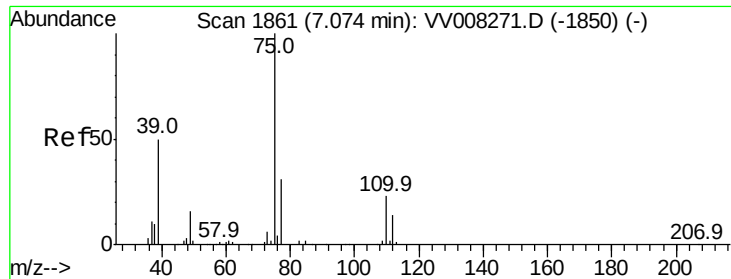
85 64.4 44.3 82.3

127 8.3 6.6 10.0



Abundance Ion 82.95 (82.65 to 83.65): VV008275.D (-1698) (-)

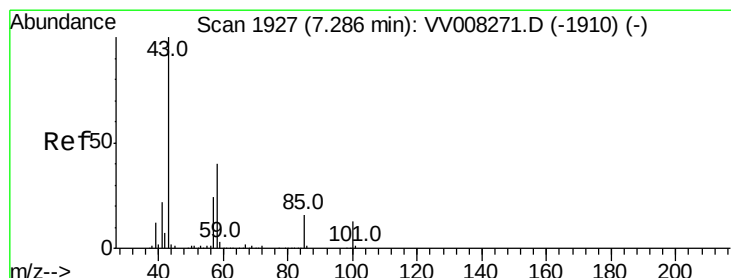
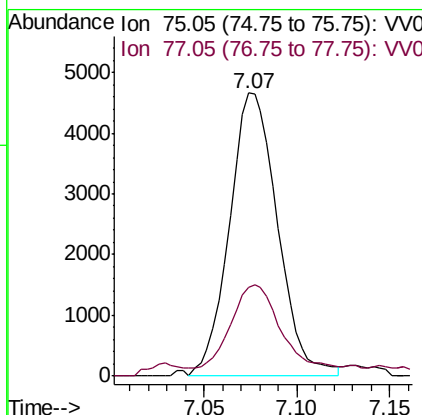
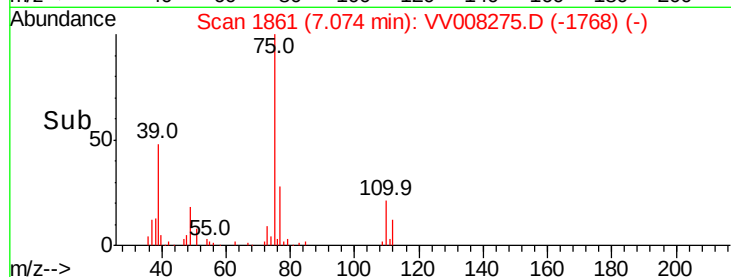
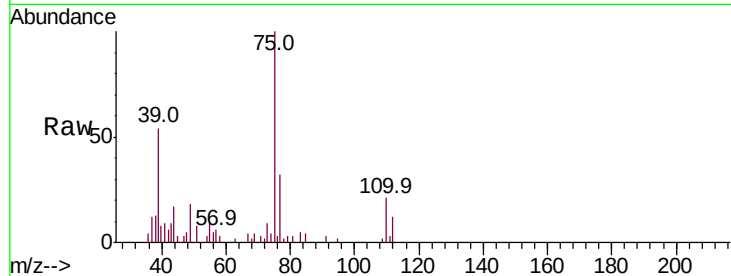




#39
 cis-1,3-Dichloropropene
 Concen: 0.733 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV008275.D
 Acq: 15 Oct 2018 14:22

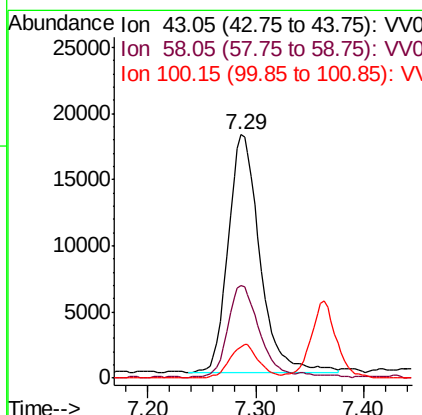
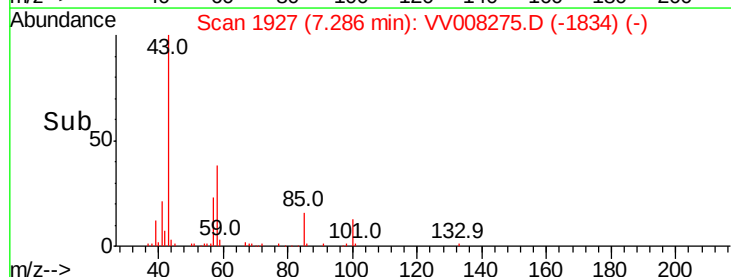
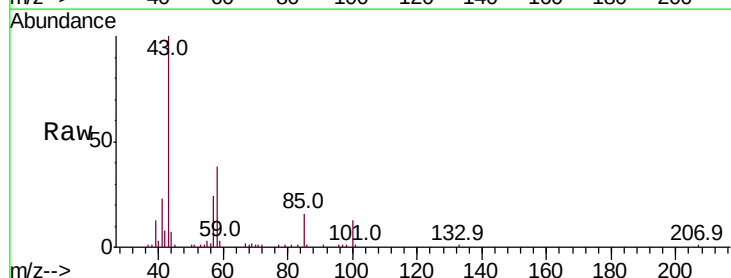
Instrument :
 MSVOA_V
 ClientSampled :

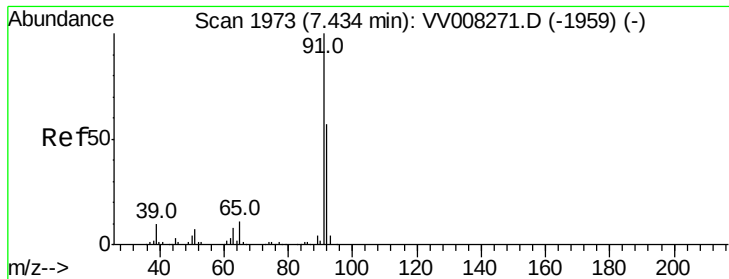
Tot Ion: 75 Resp: 8397
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 7.229 ug/L
 RT: 7.29 min Scan# 1927
 Delta R.T. 0.00 min
 Lab File: VV008275.D
 Acq: 15 Oct 2018 14:22

Tgt Ion: 43 Resp: 36740
 Ion Ratio Lower Upper
 43 100
 58 39.2 31.3 46.9
 100 12.8 10.5 15.7





#42

Toluene

Concen: 0.691 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV008275.D

Acq: 15 Oct 2018 14:22

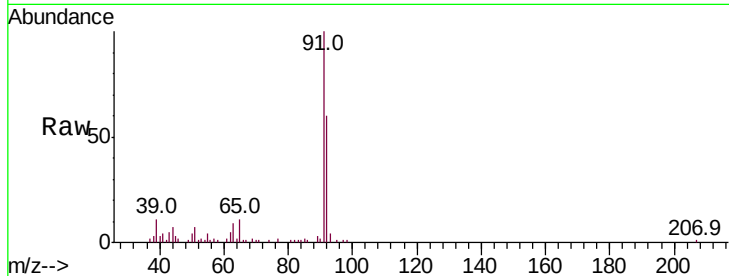
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 23309

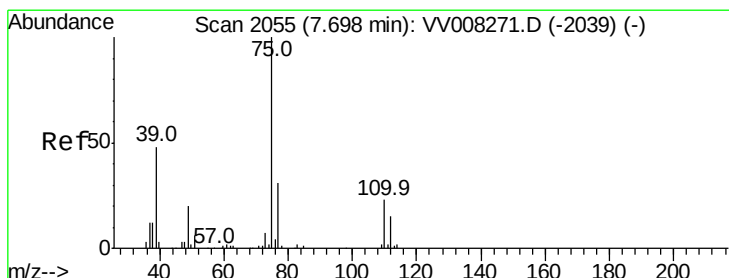
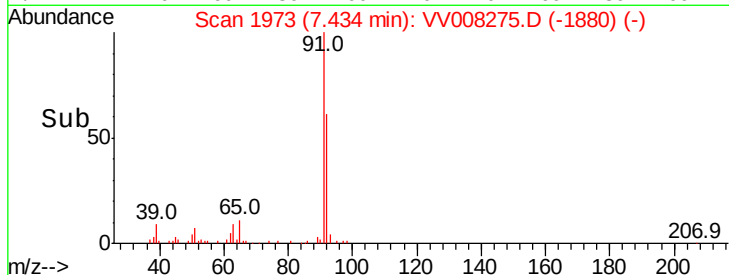
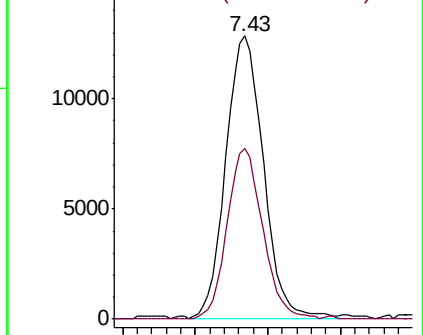
Ion Ratio Lower Upper

91 100

92 60.3 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: 0.747 ug/L

RT: 7.70 min Scan# 2056

Delta R.T. 0.00 min

Lab File: VV008275.D

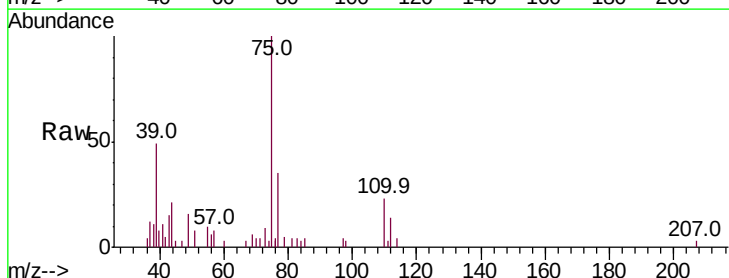
Acq: 15 Oct 2018 14:22

Tgt Ion: 75 Resp: 6902

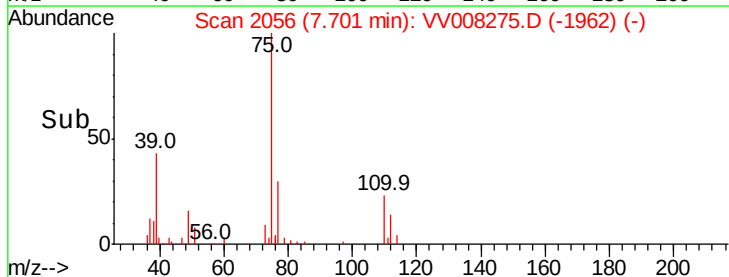
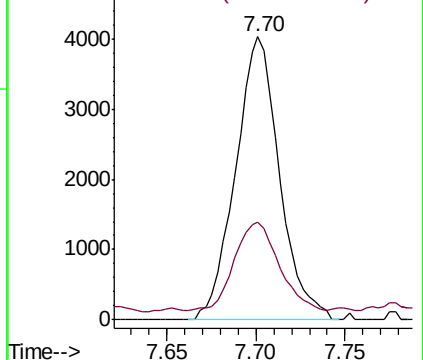
Ion Ratio Lower Upper

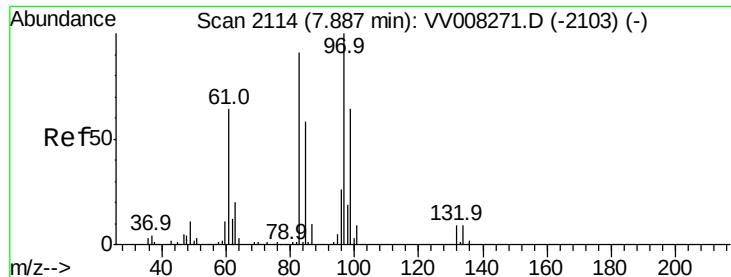
75 100

77 34.5 22.3 41.5



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

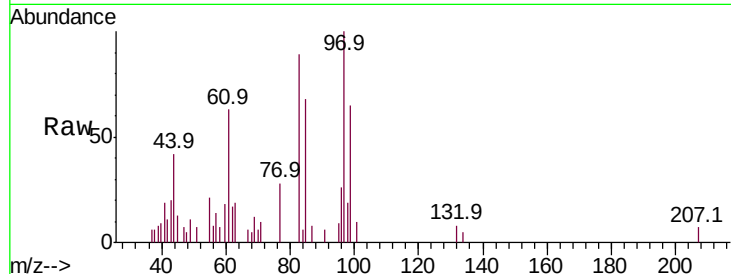




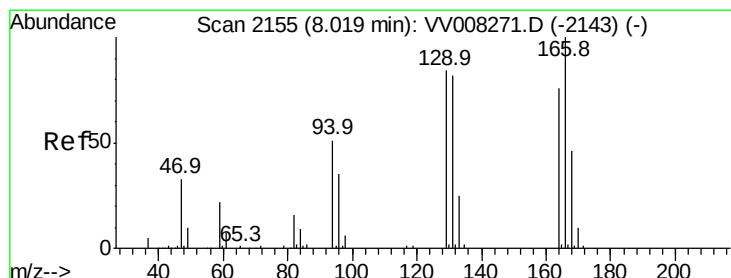
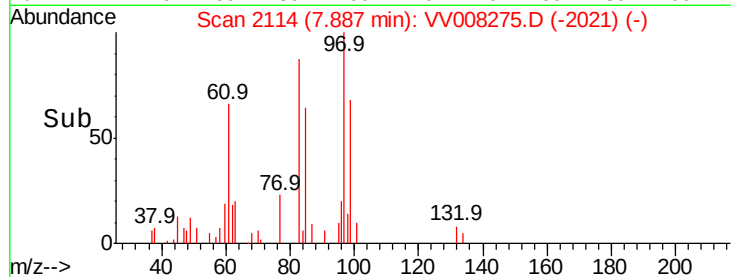
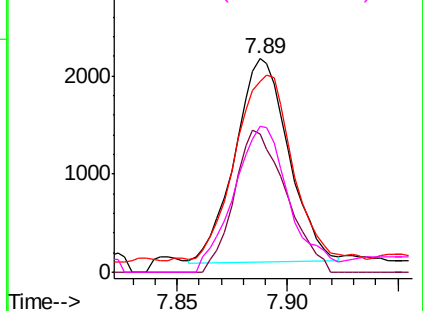
#45
1,1,2-Trichloroethane
Concen: 0.597 ug/L
RT: 7.89 min Scan# 2114
Delta R.T. 0.00 min
Lab File: VV008275.D
Acq: 15 Oct 2018 14:22

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 97 Resp: 3535
Ion Ratio Lower Upper
97 100
99 64.6 44.1 81.9
83 89.4 63.7 118.3
85 68.5 40.7 75.7

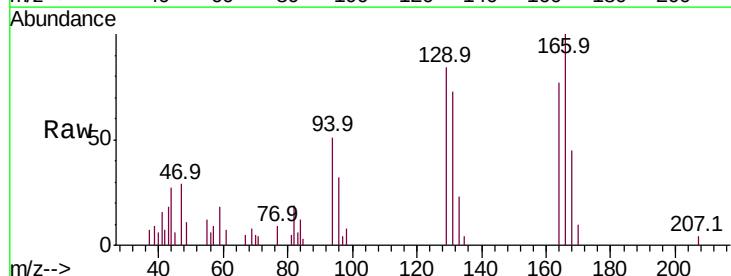


Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 82.95 (82.65 to 83.65): VV0
Ion 85.00 (84.70 to 85.70): VV0

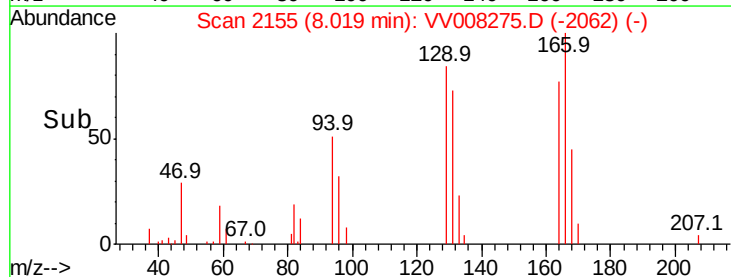
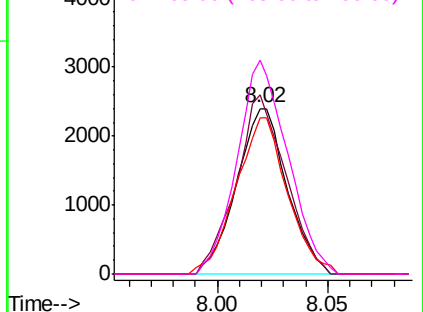


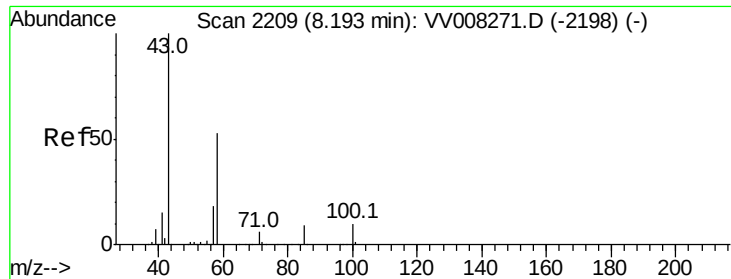
#47
Tetrachloroethene
Concen: 0.495 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VV008275.D
Acq: 15 Oct 2018 14:22

Tgt Ion:164 Resp: 3812
Ion Ratio Lower Upper
164 100
129 108.8 76.5 142.1
131 94.3 74.7 138.7
166 129.2 91.6 170.0



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

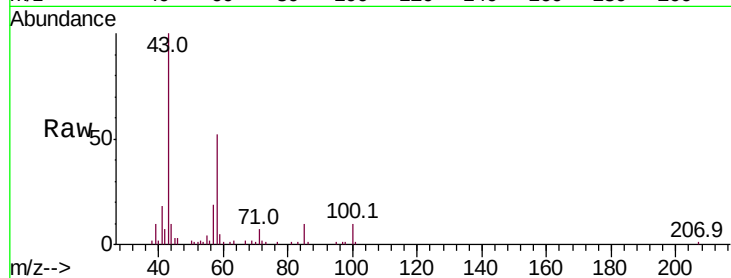




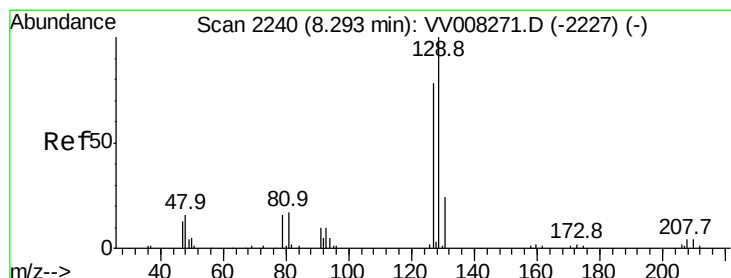
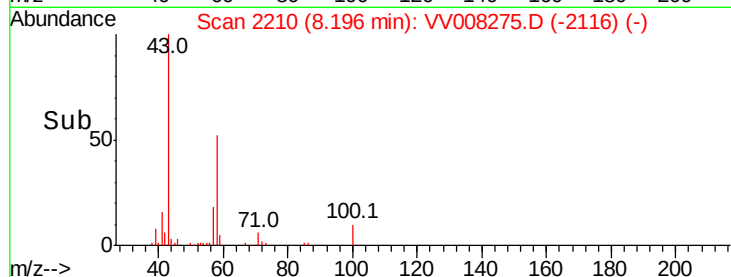
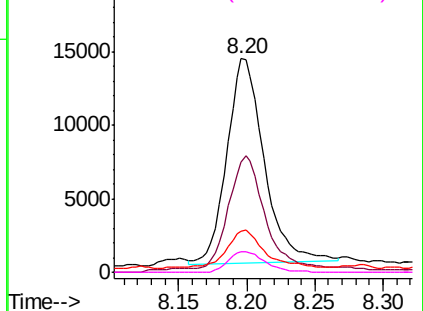
#48
2-Hexanone
Concen: 7.452 ug/L
RT: 8.20 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VV008275.D
Acq: 15 Oct 2018 14:22

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 26228
Ion Ratio Lower Upper
43 100
58 56.8 45.0 67.4
57 19.7 14.4 21.6
100 10.0 7.9 11.9

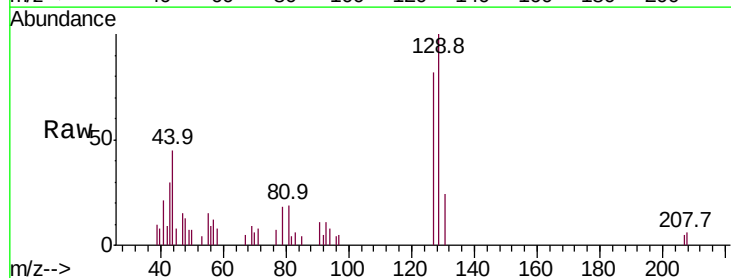


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

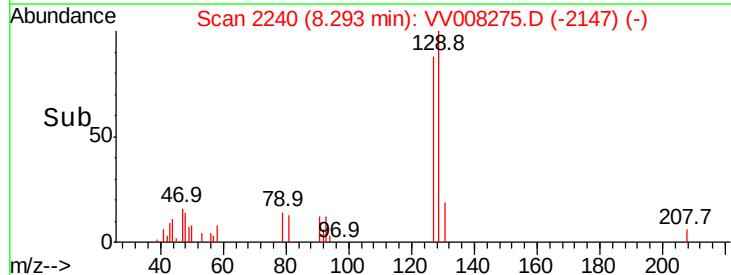
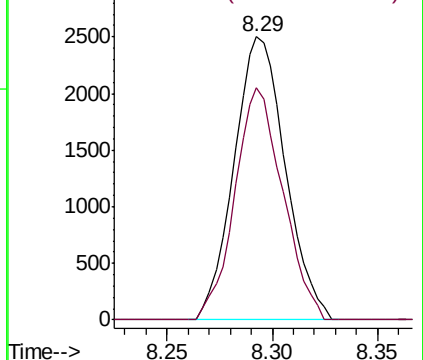


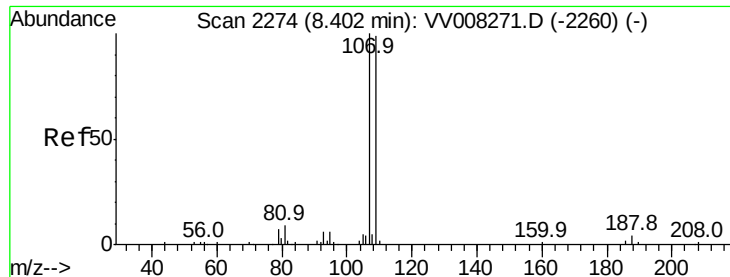
#49
Dibromochloromethane
Concen: 0.581 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV008275.D
Acq: 15 Oct 2018 14:22

Tgt Ion: 129 Resp: 4232
Ion Ratio Lower Upper
129 100
127 82.2 54.7 101.7



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

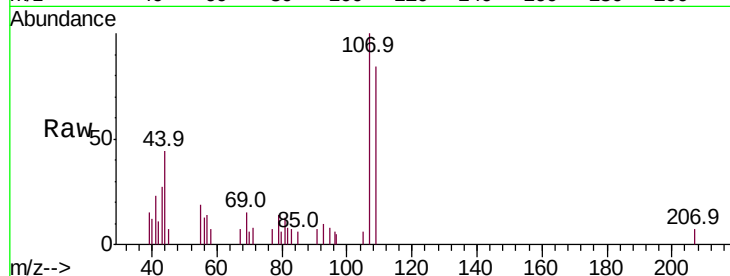




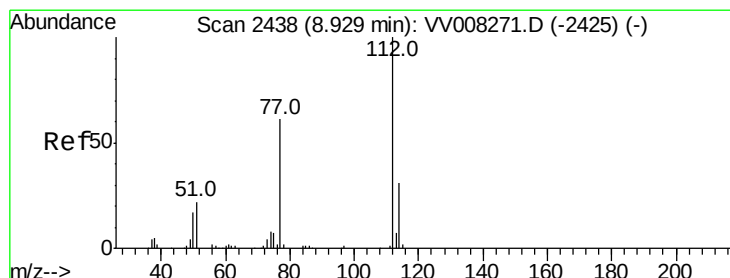
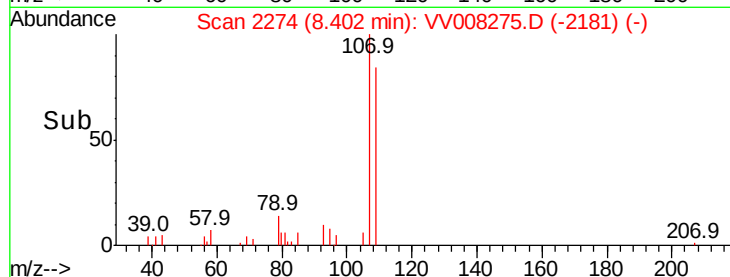
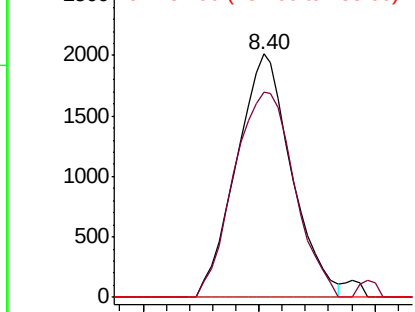
#50
1,2-Dibromoethane
Concen: 0.615 ug/L
RT: 8.40 min Scan# 2274
Delta R.T. 0.00 min
Lab File: VV008275.D
Acq: 15 Oct 2018 14:22

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:107 Resp: 3327
Ion Ratio Lower Upper
107 100
109 84.2 69.6 129.2
188 0.0 2.9 4.3#

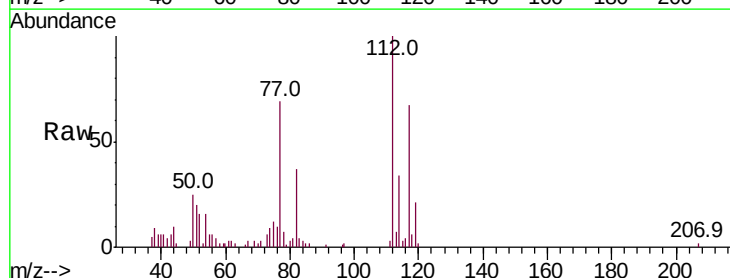


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

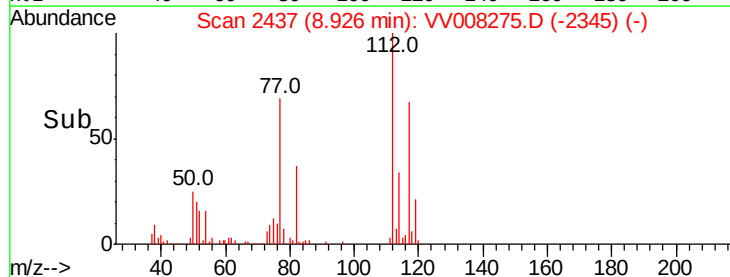
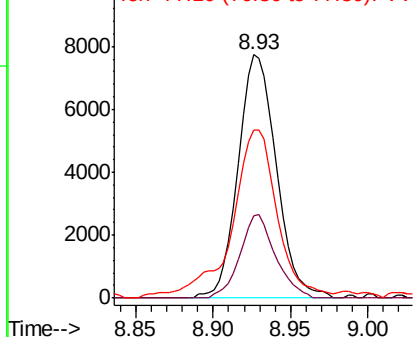


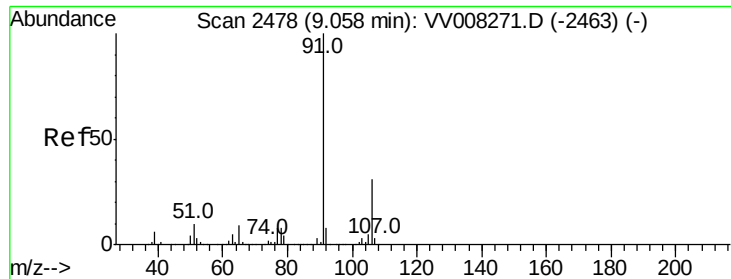
#51
Chlorobenzene
Concen: 0.582 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. -0.00 min
Lab File: VV008275.D
Acq: 15 Oct 2018 14:22

Tgt Ion:112 Resp: 13325
Ion Ratio Lower Upper
112 100
114 34.1 21.6 40.0
77 68.8 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: 0.688 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV008275.D

Acq: 15 Oct 2018 14:22

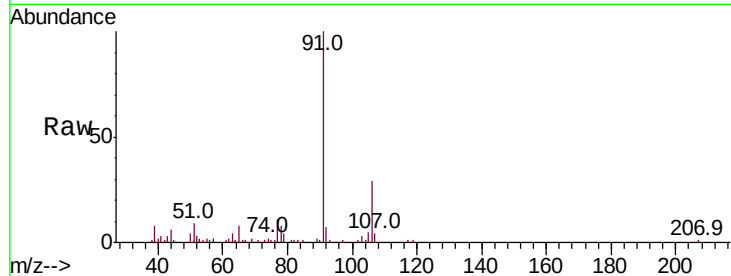
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 25415

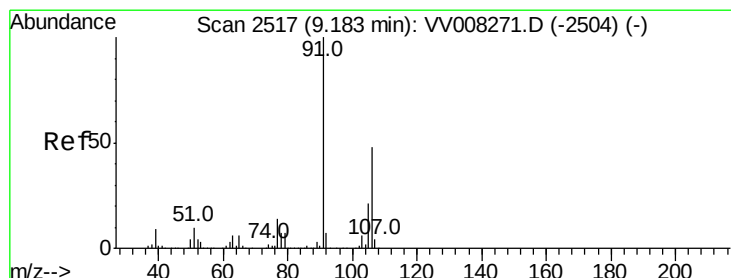
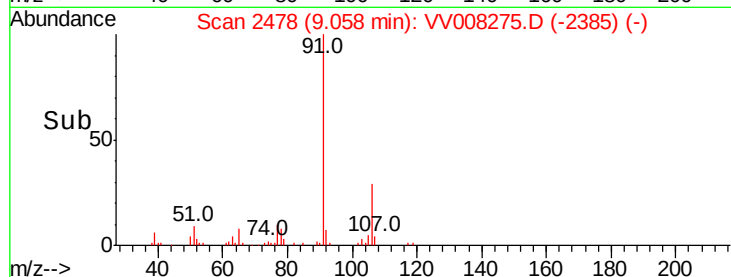
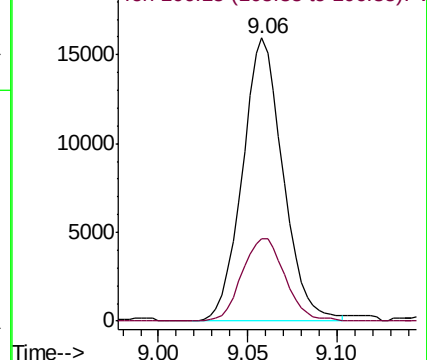
Ion Ratio Lower Upper

91 100

106 29.2 21.6 40.2



Abundance Ion 91.15 (90.85 to 91.85): VV008275.D (-2385) (-)



#53

m,p-xylene

Concen: 0.630 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. 0.00 min

Lab File: VV008275.D

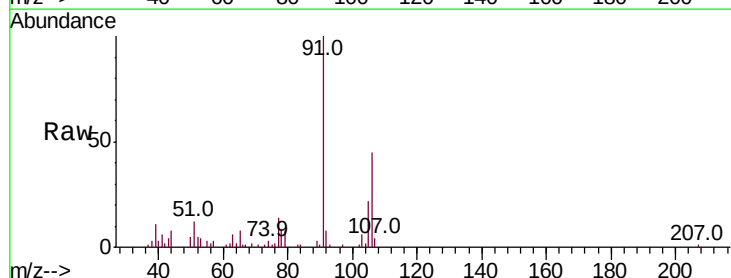
Acq: 15 Oct 2018 14:22

Tgt Ion: 106 Resp: 8757

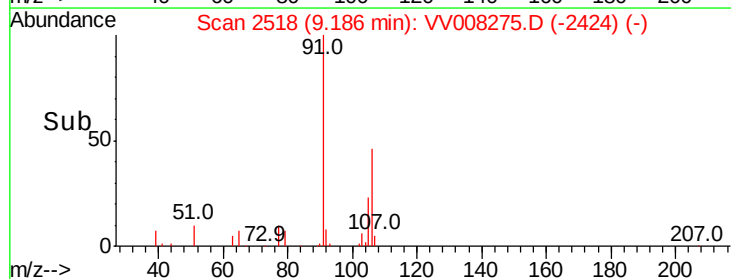
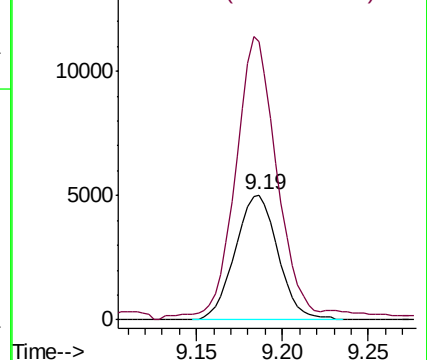
Ion Ratio Lower Upper

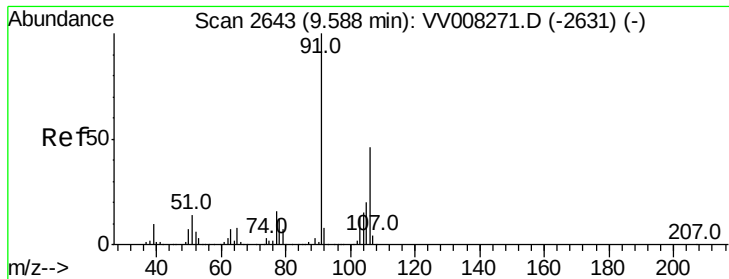
106 100

91 222.6 145.2 269.6



Abundance Ion 106.15 (105.85 to 106.85): VV008275.D (-2424) (-)





#54

o-xylene

Concen: 0.701 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VV008275.D

Acq: 15 Oct 2018 14:22

Instrument :

MSVOA_V

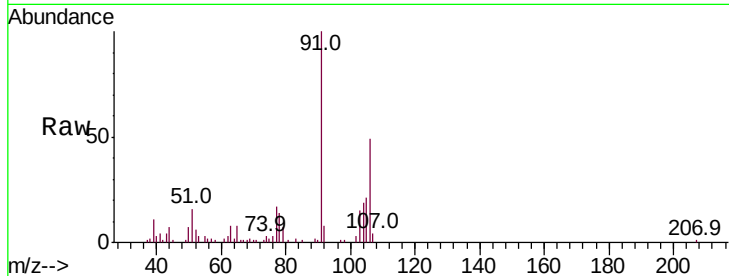
ClientSampled :

Tot Ion:106 Resp: 9363

Ion Ratio Lower Upper

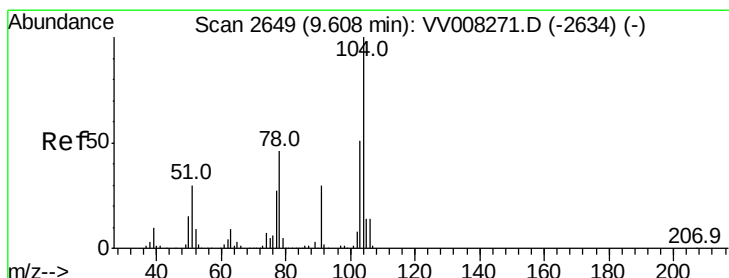
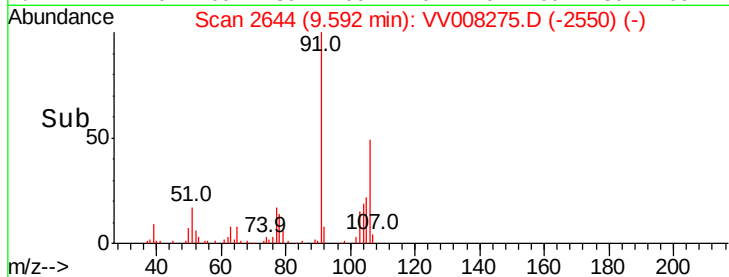
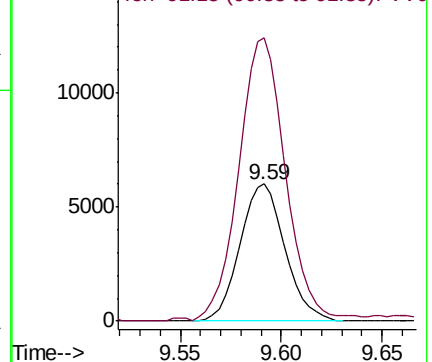
106 100

91 206.0 153.2 284.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.648 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. 0.00 min

Lab File: VV008275.D

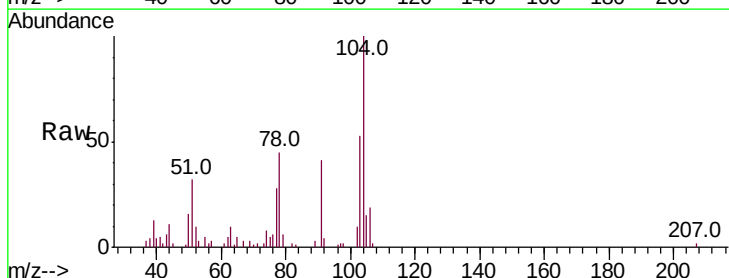
Acq: 15 Oct 2018 14:22

Tgt Ion:104 Resp: 14456

Ion Ratio Lower Upper

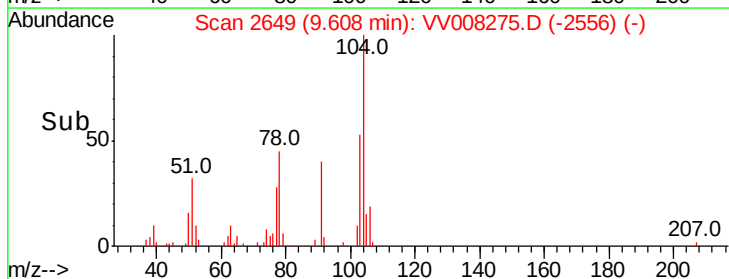
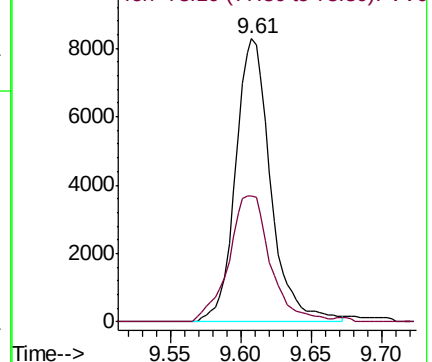
104 100

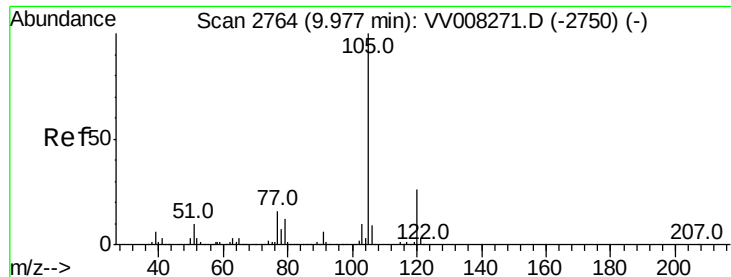
78 44.7 32.5 60.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.664 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008275.D

Acq: 15 Oct 2018 14:22

Instrument :

MSVOA_V

ClientSampleId :

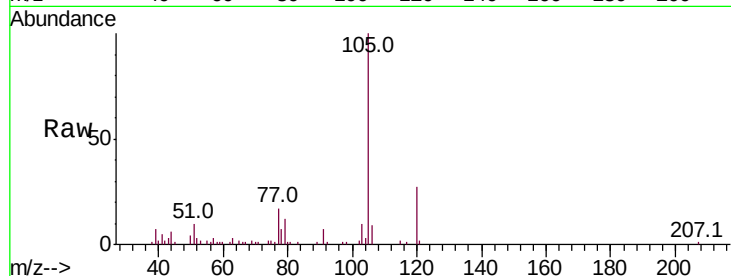
Tot Ion:105 Resp: 23997

Ion Ratio Lower Upper

105 100

120 26.9 21.2 31.8

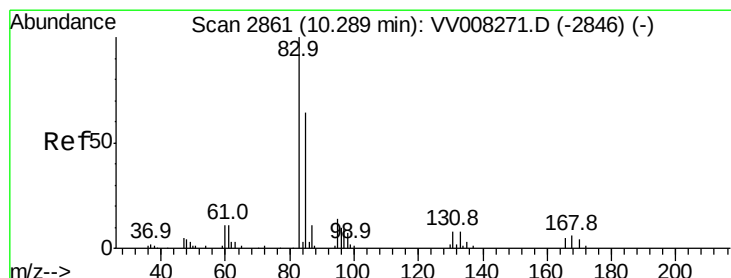
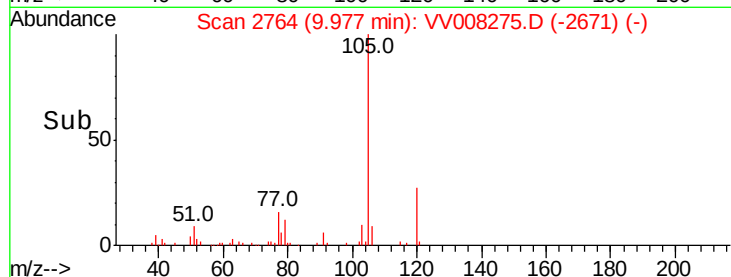
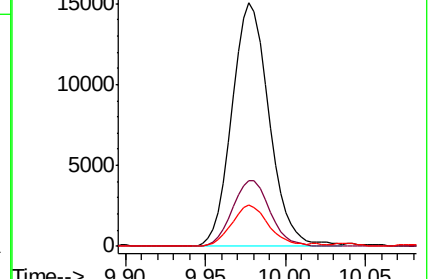
77 16.7 13.0 19.6



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: 0.616 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV008275.D

Acq: 15 Oct 2018 14:22

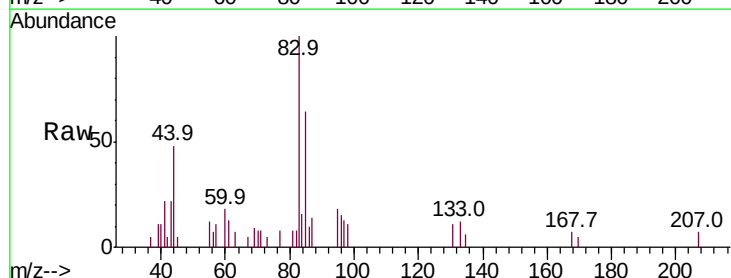
Tgt Ion: 83 Resp: 4264

Ion Ratio Lower Upper

83 100

85 64.0 45.6 84.6

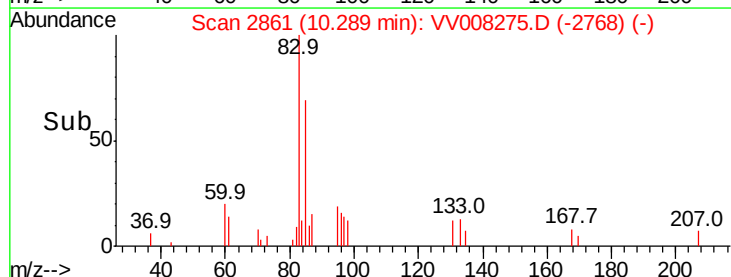
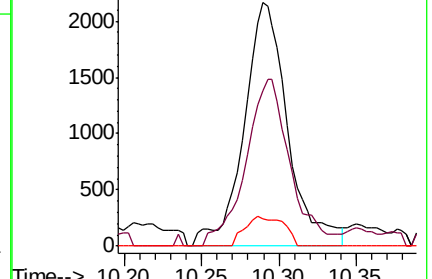
131 11.4 6.6 10.0#

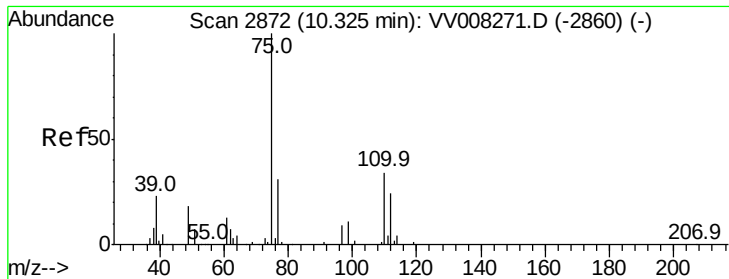


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.639 ug/L

RT: 10.32 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VV008275.D

Acq: 15 Oct 2018 14:22

Instrument :

MSVOA_V

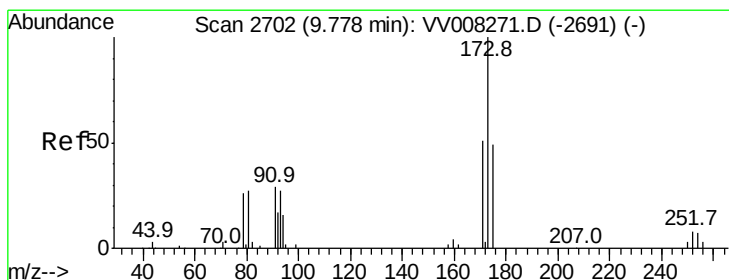
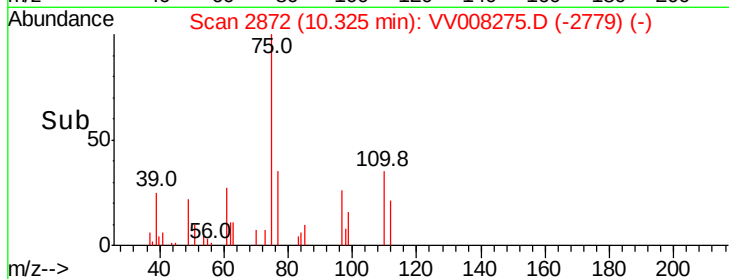
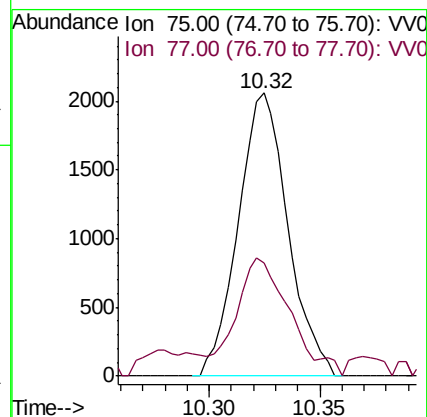
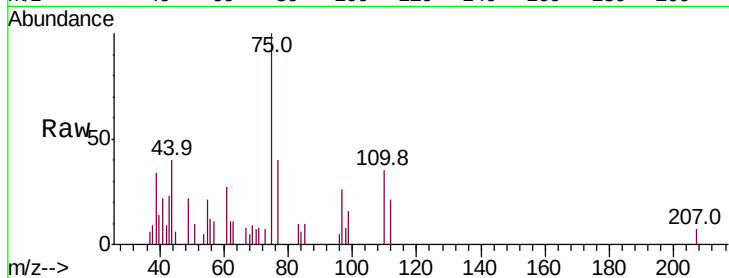
ClientSampled :

Tot Ion: 75 Resp: 3222

Ion Ratio Lower Upper

75 100

77 45.2 27.0 40.6#



#61

Bromoform

Concen: 0.568 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VV008275.D

Acq: 15 Oct 2018 14:22

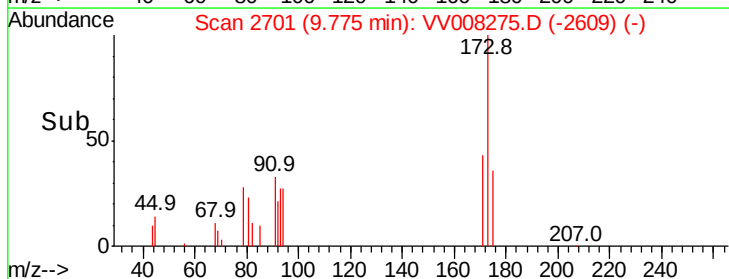
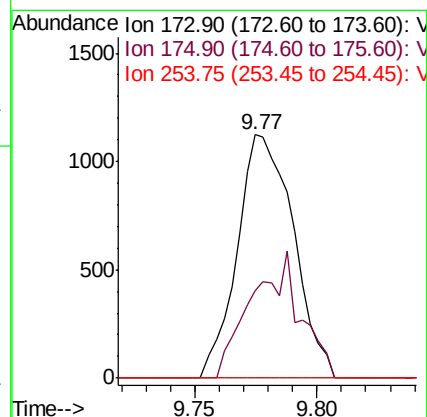
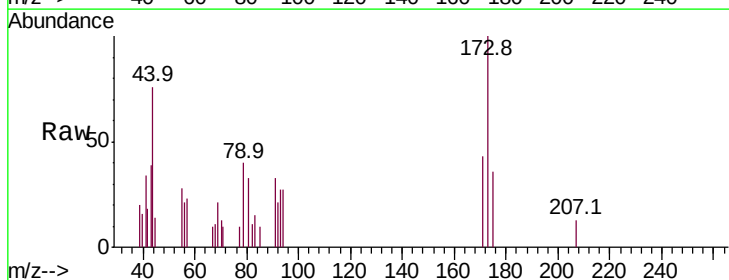
Tgt Ion: 173 Resp: 1788

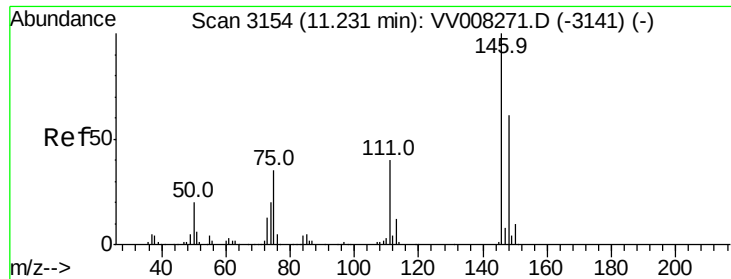
Ion Ratio Lower Upper

173 100

175 45.6 38.7 58.1

254 0.0 5.9 8.9#

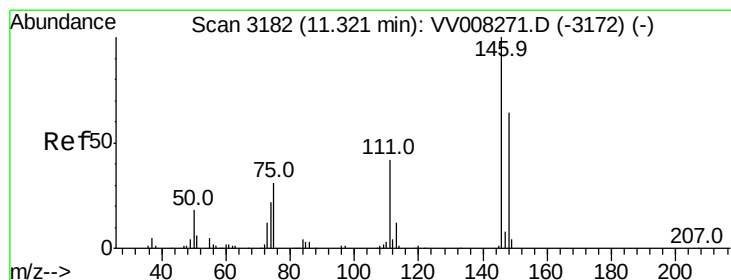
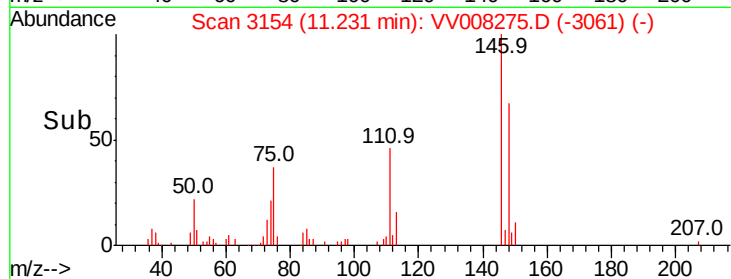
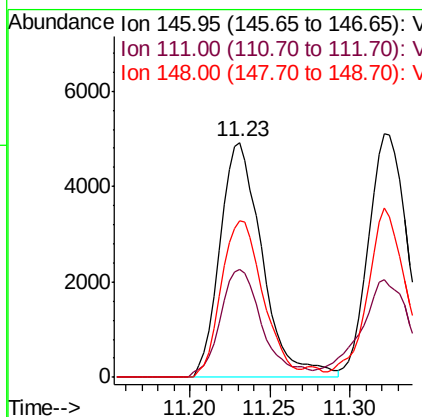
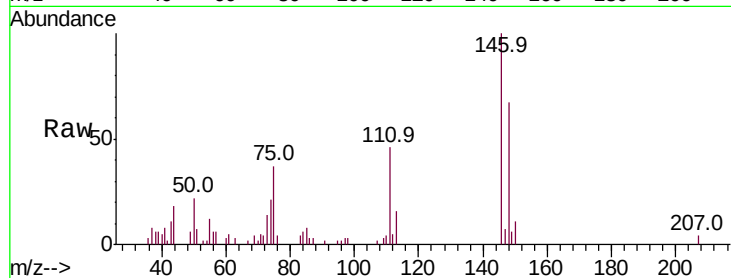




#62
 1,3-Dichlorobenzene
 Concen: 0.590 ug/L
 RT: 11.23 min Scan# 3154
 Delta R.T. 0.00 min
 Lab File: VV008275.D
 Acq: 15 Oct 2018 14:22

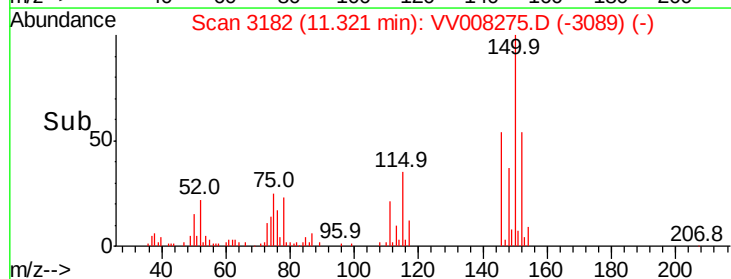
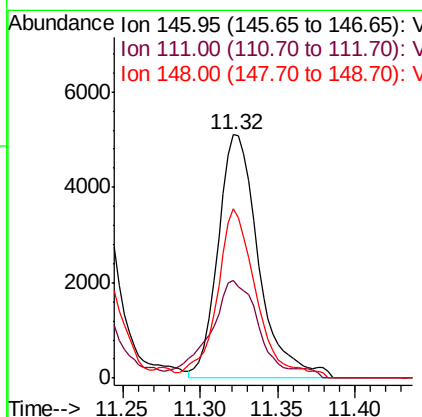
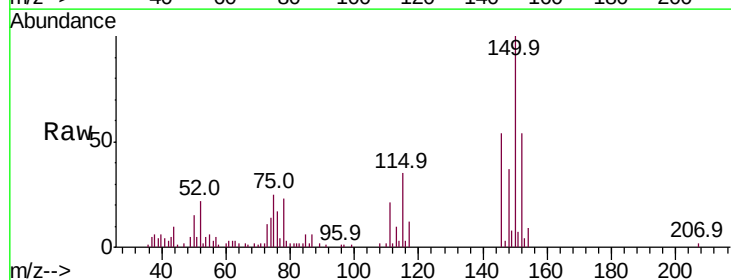
Instrument :
 MSVOA_V
 ClientSampleId :

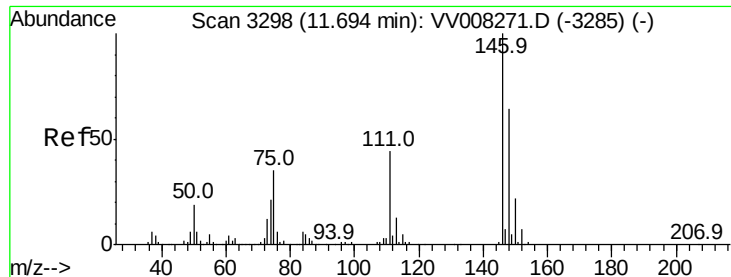
Tot Ion	Ratio	Lower	Upper
146	100		
111	45.7	28.0	52.0
148	66.6	42.9	79.7



#63
 1,4-Dichlorobenzene
 Concen: 0.614 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV008275.D
 Acq: 15 Oct 2018 14:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	30.0	55.6
148	69.3	44.5	82.7





#65

1,2-Dichlorobenzene

Concen: 0.628 ug/L

RT: 11.70 min Scan# 3299

Delta R.T. 0.00 min

Lab File: VV008275.D

Acq: 15 Oct 2018 14:22

Instrument :

MSVOA_V

ClientSampleId :

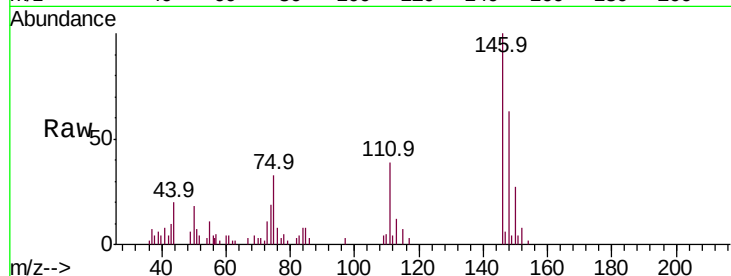
Tot Ion:146 Resp: 9140

Ion Ratio Lower Upper

146 100

111 39.5 35.5 53.3

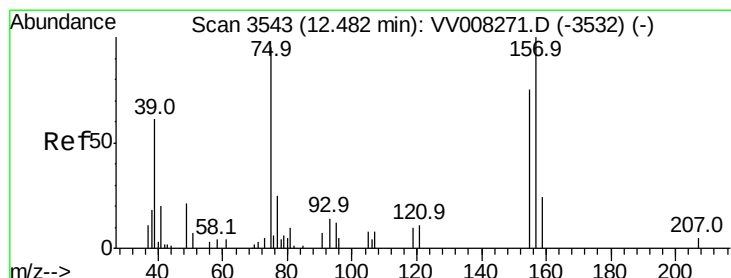
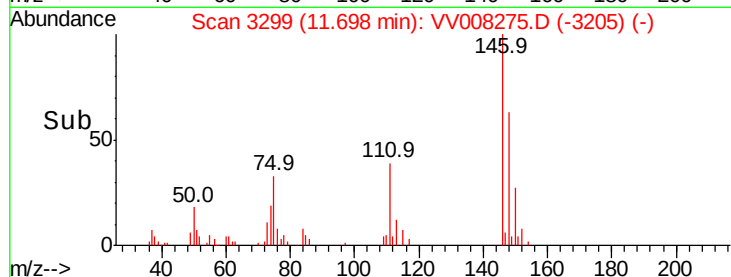
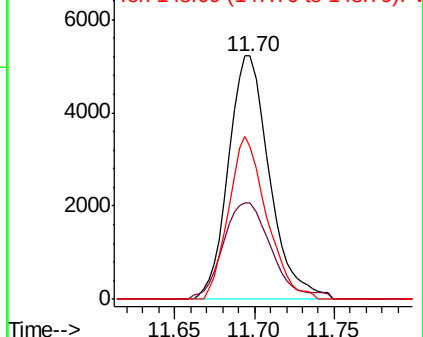
148 62.8 51.5 77.3



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: 0.820 ug/L

RT: 12.49 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VV008275.D

Acq: 15 Oct 2018 14:22

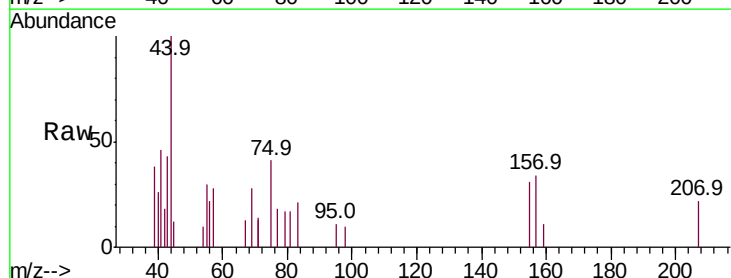
Tgt Ion: 75 Resp: 673

Ion Ratio Lower Upper

75 100

155 74.6 63.6 95.4

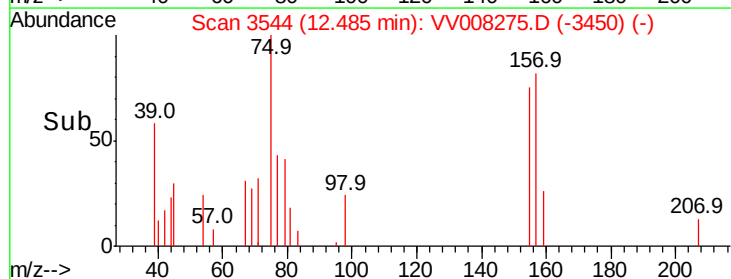
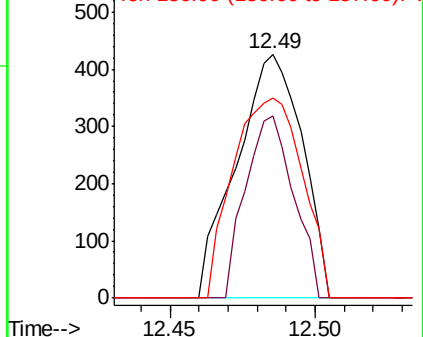
157 81.9 84.3 126.5#

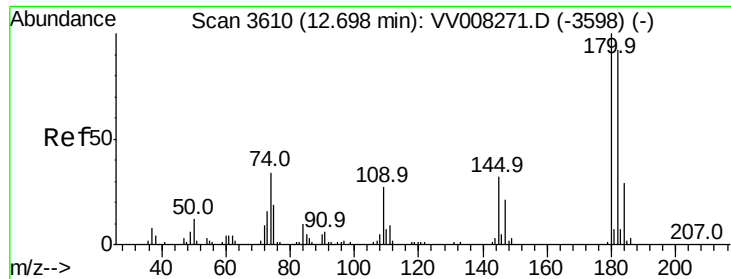


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

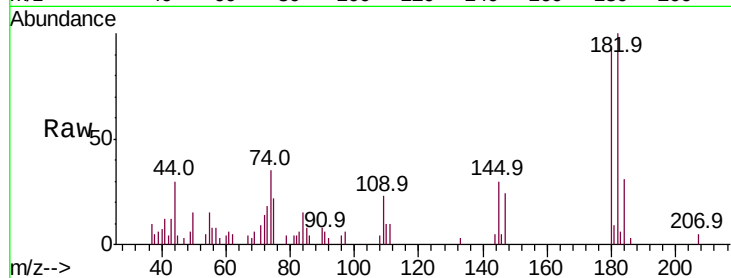




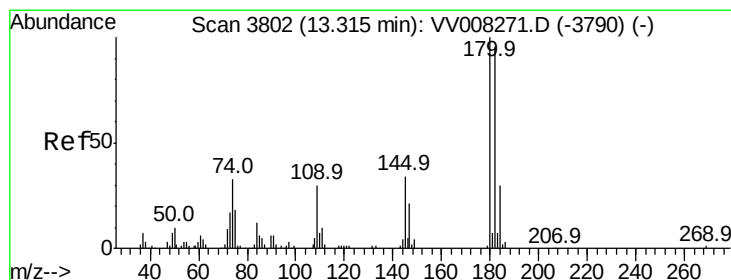
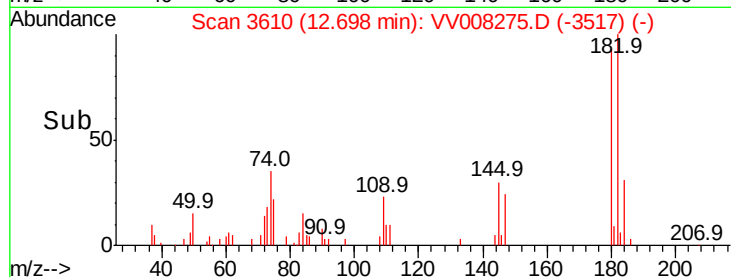
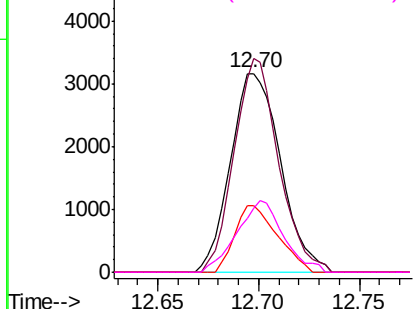
#67
 1,3,5-Trichlorobenzene
 Concen: 0.451 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV008275.D
 Acq: 15 Oct 2018 14:22

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 5506
 Ion Ratio Lower Upper
 180 100
 182 95.5 74.5 111.7
 184 28.6 23.5 35.3
 145 33.4 25.9 38.9

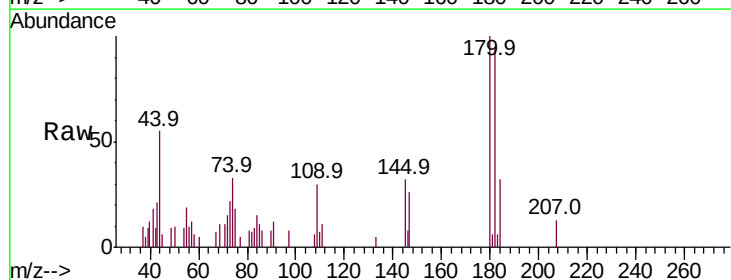


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

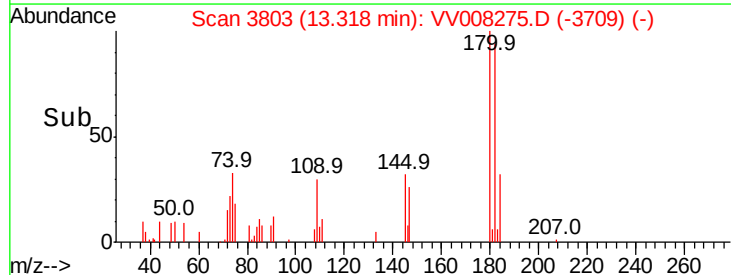
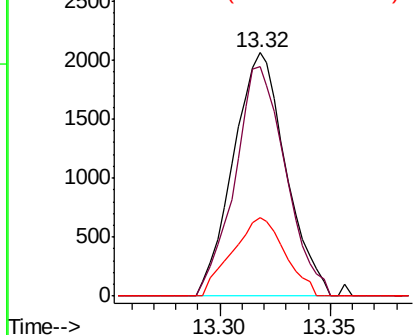


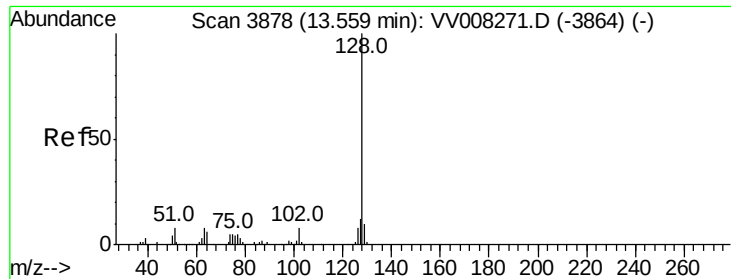
#68
 1,2,4-trichlorobenzene
 Concen: 0.381 ug/L
 RT: 13.32 min Scan# 3803
 Delta R.T. 0.00 min
 Lab File: VV008275.D
 Acq: 15 Oct 2018 14:22

Tgt Ion:180 Resp: 3414
 Ion Ratio Lower Upper
 180 100
 182 91.2 75.3 112.9
 145 32.2 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: 0.548 ug/L

RT: 13.56 min Scan# 3879

Delta R.T. 0.00 min

Lab File: VV008275.D

Acq: 15 Oct 2018 14:22

Instrument :

MSVOA_V

ClientSampleId :

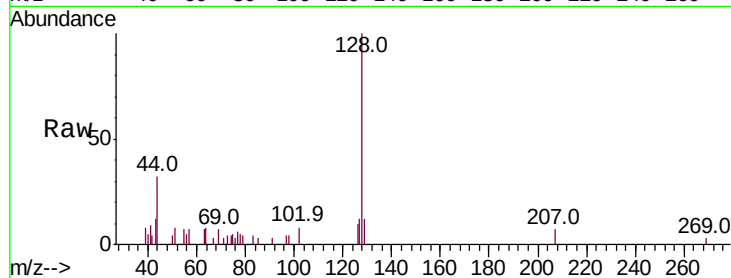
Tot Ion:128 Resp: 6790

Ion Ratio Lower Upper

128 100

129 12.6 8.6 12.8

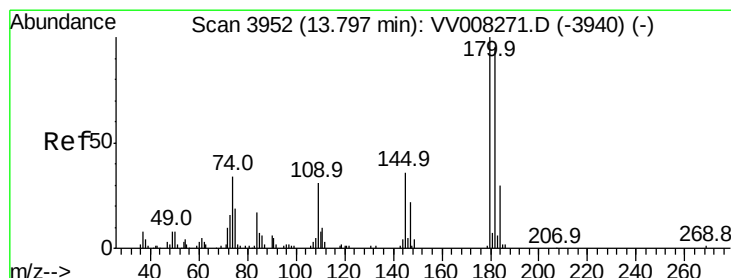
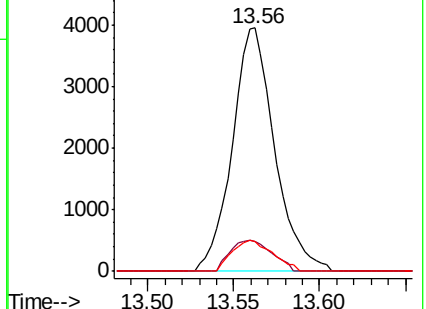
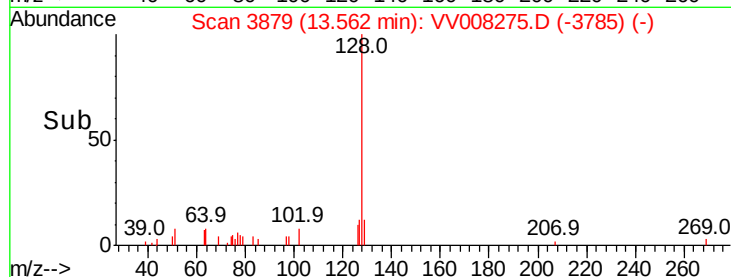
127 12.1 10.1 15.1



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: 0.453 ug/L

RT: 13.80 min Scan# 3953

Delta R.T. 0.00 min

Lab File: VV008275.D

Acq: 15 Oct 2018 14:22

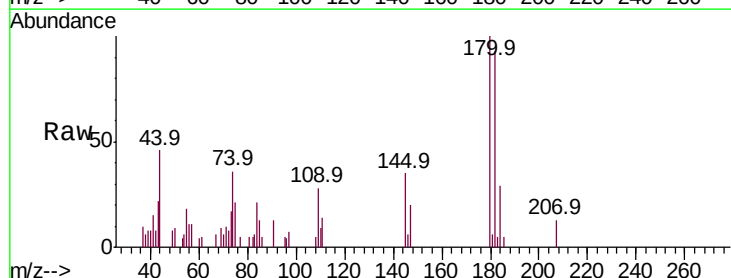
Tgt Ion:180 Resp: 3885

Ion Ratio Lower Upper

180 100

182 94.5 75.8 113.8

145 33.0 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

