

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081919\
 Data File : VV012277.D
 Acq On : 19 Aug 2019 13:59
 Operator : SY/MD
 Sample : VSTD00534
 Misc : 25mL/MSVOA V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 19 18:27:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Aug 19 18:23:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	118999	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	117708	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	64227	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	34211	4.67	ug/L	0.00
7) Chloroethane-d5	1.58	69	22833	4.20	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	62411	5.08	ug/L	0.00
20) 2-Butanone-d5	3.97	46	80997	51.07	ug/L	0.00
24) Chloroform-d	4.40	84	82447	5.50	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	42496	5.90	ug/L	0.00
32) Benzene-d6	5.09	84	152167	5.07	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	41735	4.77	ug/L	0.00
41) Toluene-d8	7.36	98	152749	5.49	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	19414	5.58	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	61557	56.34	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	33018	5.32	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	61916	5.50	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	78974	6.493	ug/L 100
3) Chloromethane	1.25	50	41486	4.190	ug/L 100
5) Vinyl chloride	1.32	62	43732	4.296	ug/L 100
6) Bromomethane	1.53	94	20292	3.617	ug/L 100
8) Chloroethane	1.60	64	19973	3.543	ug/L 100
9) Trichlorofluoromethane	1.77	101	77216	5.634	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	34262	5.041	ug/L 100
12) 1,1-Dichloroethene	2.14	96	31033	4.920	ug/L 100
13) Acetone	2.23	43	43341	44.540	ug/L 100
14) Carbon disulfide	2.31	76	77821	4.336	ug/L 100
15) Methyl Acetate	2.47	43	7802	3.328	ug/L 100
16) Methylene chloride	2.53	84	27243	4.132	ug/L 100
17) Methyl tert-butyl Ether	2.81	73	89590	5.151	ug/L 100
18) trans-1,2-Dichloroethene	2.78	96	41127	4.937	ug/L 100
19) 1,1-Dichloroethane	3.23	63	72182	4.790	ug/L 100
21) 2-Butanone	4.05	43	80297	42.186	ug/L 100
22) cis-1,2-Dichloroethene	3.96	96	45265	4.976	ug/L 100
23) Bromochloromethane	4.30	128	20348	5.188	ug/L 100
25) Chloroform	4.42	83	85746	4.926	ug/L 100
27) 1,2-Dichloroethane	5.18	62	52891	5.476	ug/L 100
29) 1,1,1-Trichloroethane	4.66	97	80329	5.501	ug/L 100
30) Cyclohexane	4.72	56	58926	4.312	ug/L 100
31) Carbon tetrachloride	4.87	117	75307	5.660	ug/L 100
33) Benzene	5.14	78	165633	4.790	ug/L 100
34) Trichloroethene	5.96	95	48112	5.030	ug/L 100
35) Methylcyclohexane	6.17	83	72785	4.966	ug/L 100
37) 1,2-Dichloropropane	6.22	63	38029	4.467	ug/L 100
38) Bromodichloromethane	6.55	83	59585	5.210	ug/L 100
39) cis-1,3-Dichloropropene	7.07	75	63561	5.248	ug/L 100
40) 4-Methyl-2-pentanone	7.28	43	215744	46.336	ug/L 100

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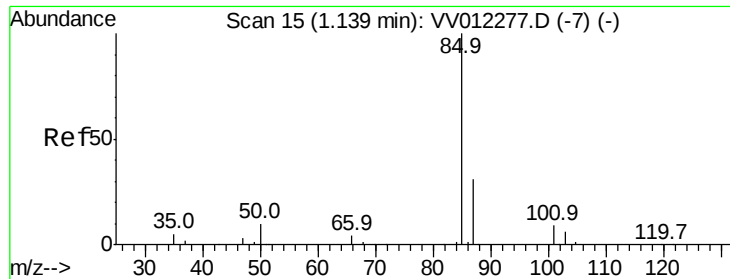
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 19 18:27:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081919WMA.M
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.43	91	191486	5.138	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	50851	5.272	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	30334	5.175	ug/L	100
47) Tetrachloroethene	8.02	164	45553	5.643	ug/L	100
48) 2-Hexanone	8.19	43	151591	46.438	ug/L	100
49) Dibromochloromethane	8.29	129	40748	5.490	ug/L	100
50) 1,2-Dibromoethane	8.40	107	28393	5.035	ug/L	100
51) Chlorobenzene	8.92	112	126262	5.180	ug/L	100
52) Ethylbenzene	9.05	91	213292	5.312	ug/L	100
53) m,p-xylene	9.18	106	86170	5.544	ug/L	100
54) o-xylene	9.59	106	81244	5.530	ug/L	100
55) Styrene	9.60	104	138323	5.644	ug/L	100
56) Isopropylbenzene	9.97	105	220190	5.574	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	31340	4.716	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	24725	5.004	ug/L	100
61) Bromoform	9.77	173	22978	5.510	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	110676	5.204	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	110641	5.202	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	101620	5.201	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	5703	4.616	ug/L	100
67) 1,3,5-Trichlorobenzene	12.69	180	90805	5.535	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	68550	5.614	ug/L	100
69) Naphthalene	13.55	128	91030	5.280	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	63635	5.572	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 6.493 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012277.D

Acq: 19 Aug 2019 13:59

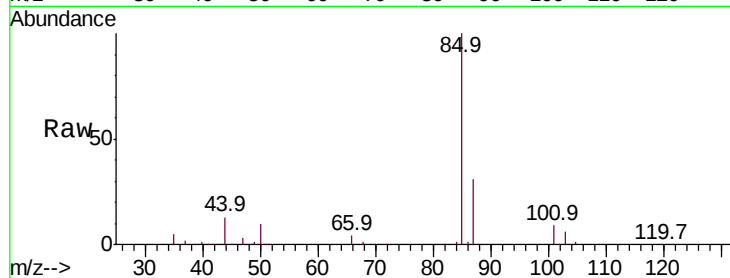
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 78974

Ion Ratio Lower Upper

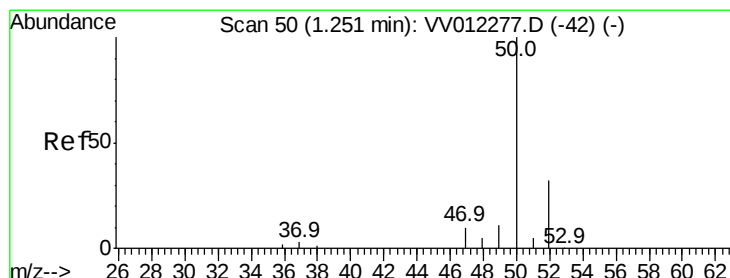
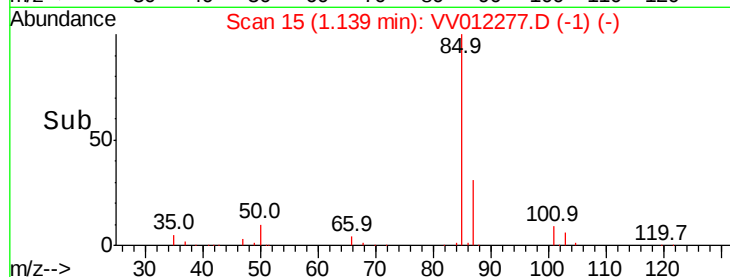
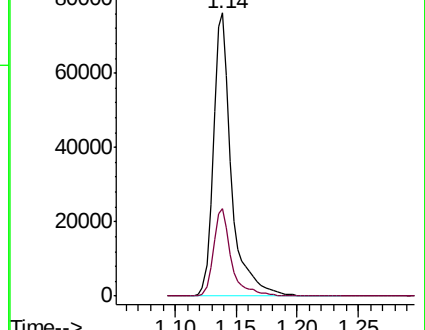
85 100

87 30.8 24.6 37.0



Abundance Ion 85.00 (84.70 to 85.70): VV012277.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV012277.D (-7) (-)



#3

Chloromethane

Concen: 4.190 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV012277.D

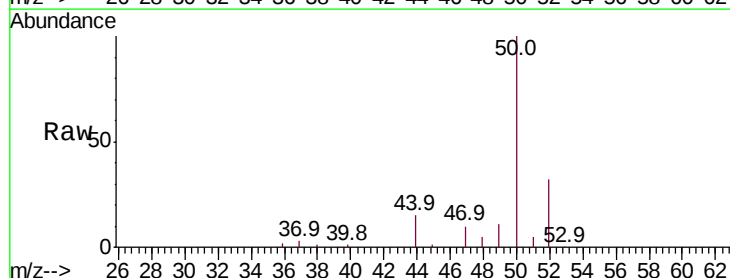
Acq: 19 Aug 2019 13:59

Tgt Ion: 50 Resp: 41486

Ion Ratio Lower Upper

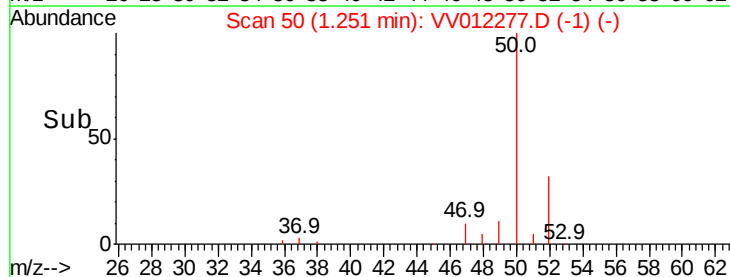
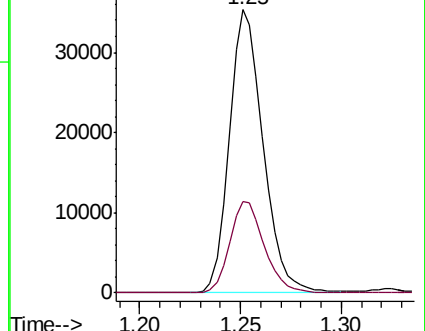
50 100

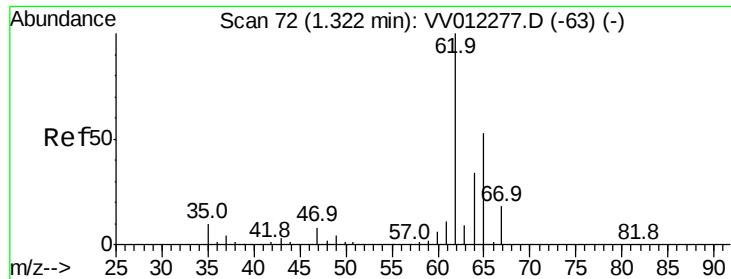
52 32.3 22.6 42.0



Abundance Ion 50.05 (49.75 to 50.75): VV012277.D (-42) (-)

Ion 52.05 (51.75 to 52.75): VV012277.D (-42) (-)





#5

Vinyl chloride

Concen: 4.296 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012277.D

Acq: 19 Aug 2019 13:59

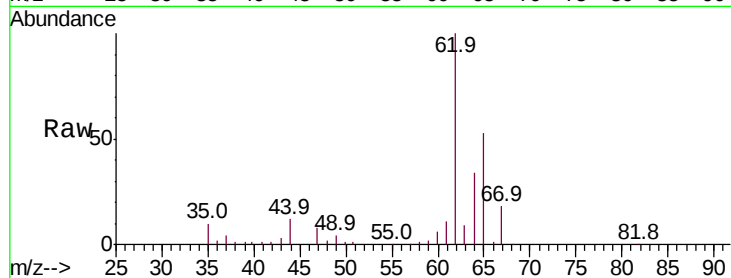
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 43732

Ion Ratio Lower Upper

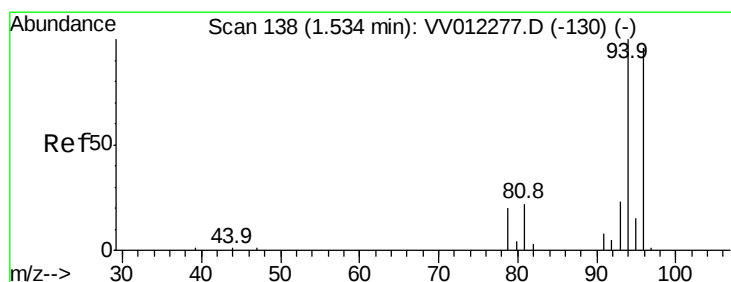
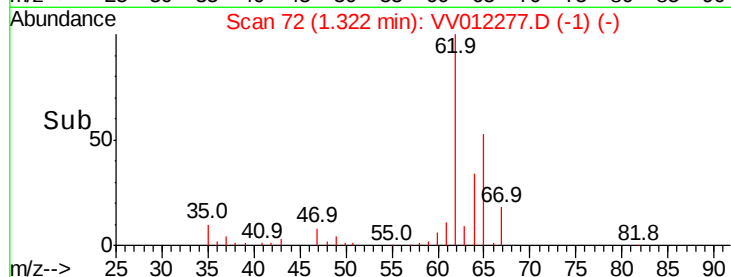
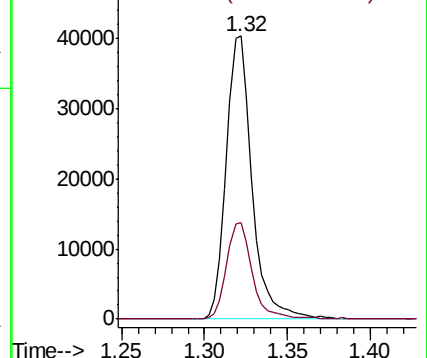
62 100

64 34.0 23.8 44.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 3.617 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV012277.D

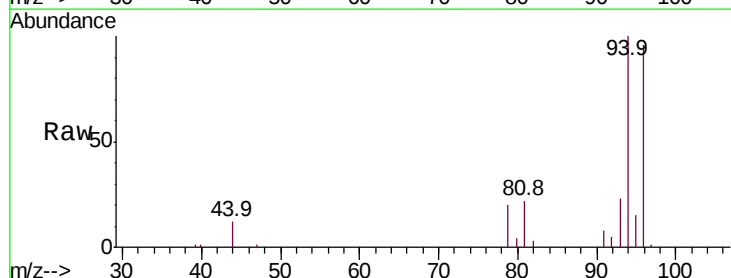
Acq: 19 Aug 2019 13:59

Tgt Ion: 94 Resp: 20292

Ion Ratio Lower Upper

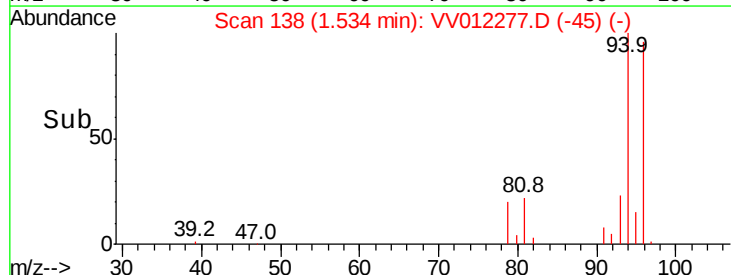
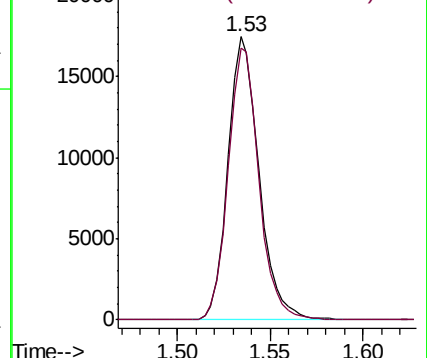
94 100

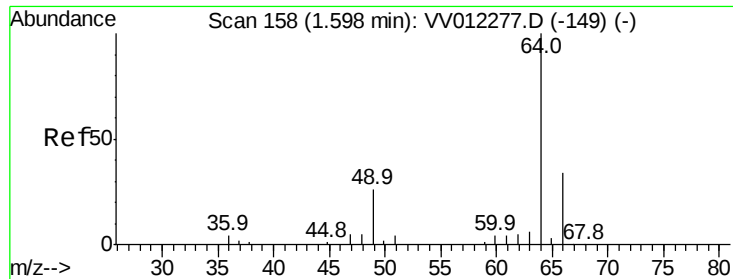
96 96.2 67.3 125.1



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 3.543 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV012277.D

Acq: 19 Aug 2019 13:59

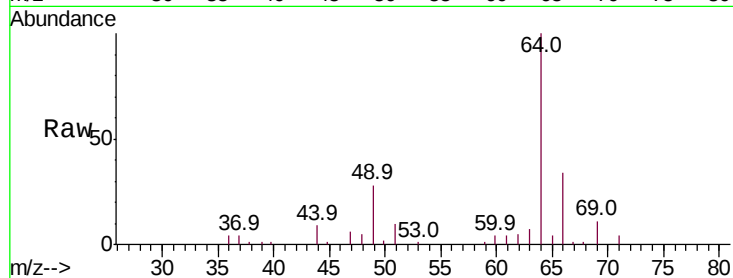
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 64 Resp: 19973

Ion Ratio Lower Upper

64 100

66 33.9 23.7 44.1



Abundance Ion 64.10 (63.80 to 64.80): VV012277.D (-149) (-)

Ion 66.05 (65.75 to 66.75): VV012277.D (-149) (-)

1.60

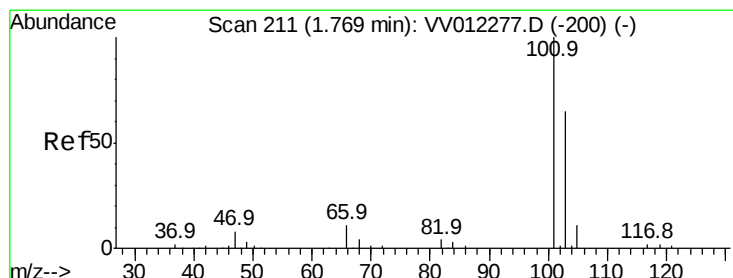
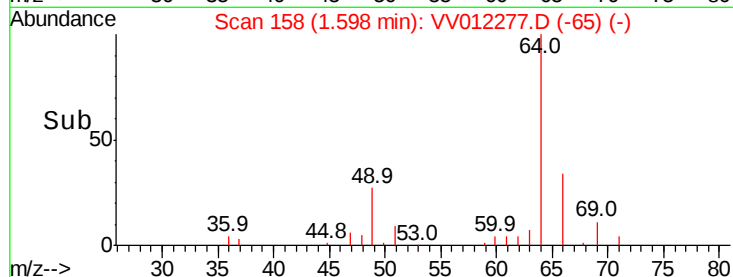
15000

10000

5000

0

Time-->



#9

Trichlorofluoromethane

Concen: 5.634 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV012277.D

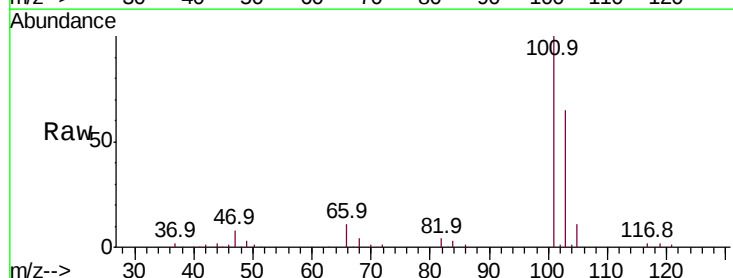
Acq: 19 Aug 2019 13:59

Tgt Ion:101 Resp: 77216

Ion Ratio Lower Upper

101 100

103 64.4 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VV012277.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV012277.D (-200) (-)

1.77

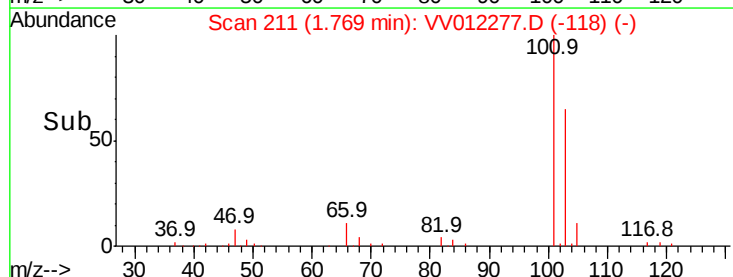
60000

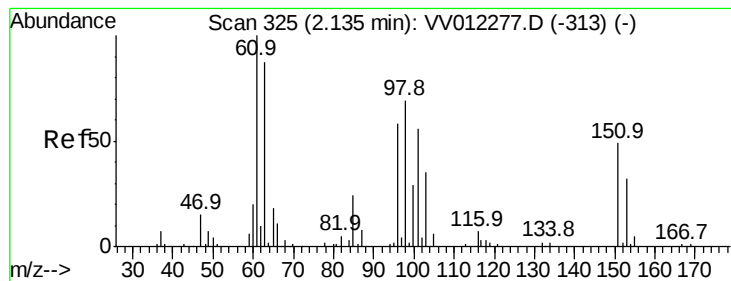
40000

20000

0

Time-->





#10

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

Concen: 5.041 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV012277.D

Acq: 19 Aug 2019 13:59

Instrument :
MSVOA_V
ClientSampled :

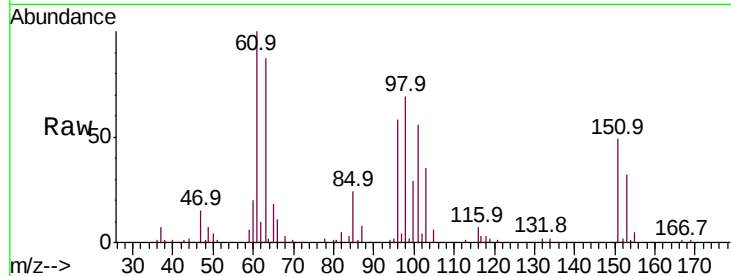
Tot Ion:101 Resp: 34262

Ion Ratio Lower Upper

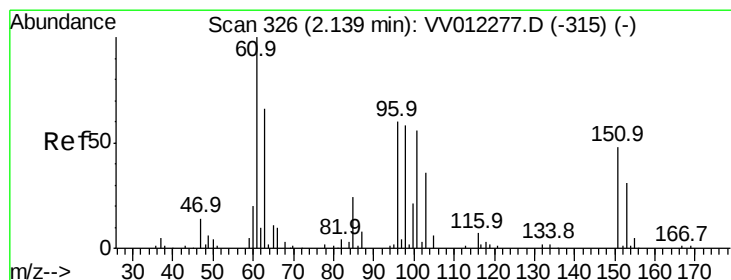
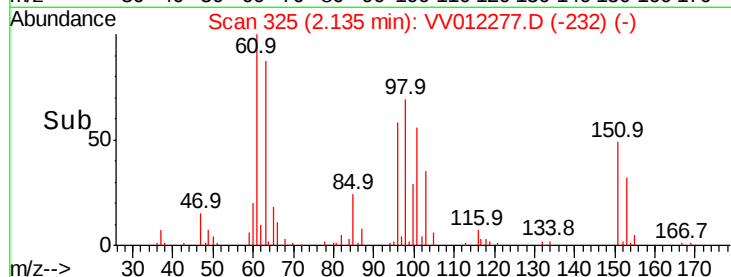
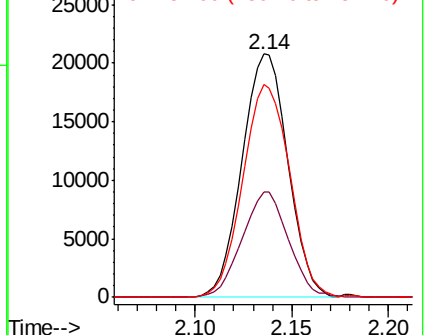
101 100

85 43.6 34.9 52.3

151 89.4 71.5 107.3



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: 4.920 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012277.D

Acq: 19 Aug 2019 13:59

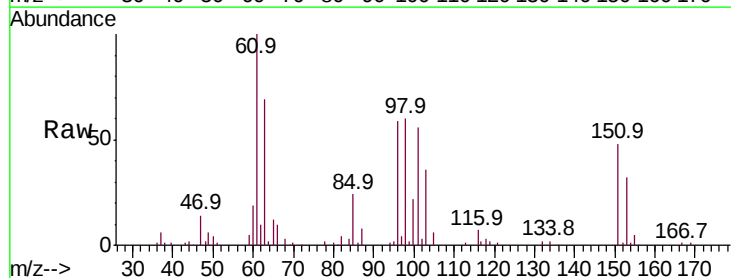
Tgt Ion: 96 Resp: 31033

Ion Ratio Lower Upper

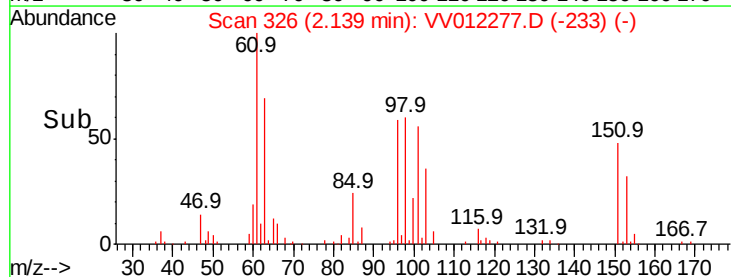
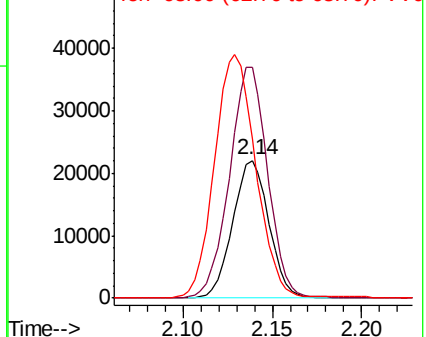
96 100

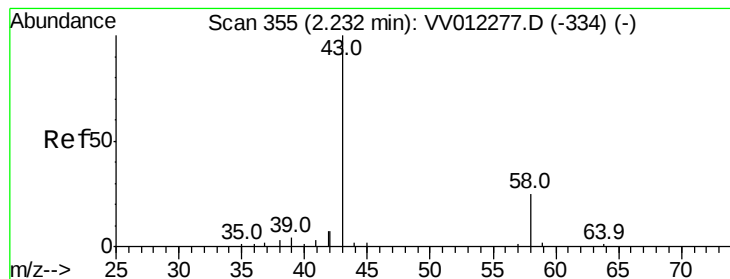
61 168.2 117.7 218.7

63 115.8 81.1 150.5



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: 44.540 ug/L

RT: 2.23 min Scan# 355

Delta R.T. 0.00 min

Lab File: VV012277.D

Acq: 19 Aug 2019 13:59

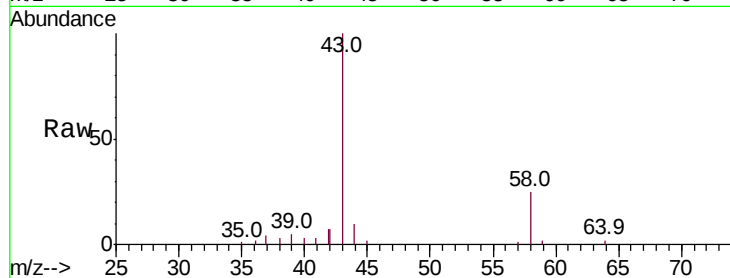
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 43341

Ion Ratio Lower Upper

43 100

58 12.8 0.0 25.6

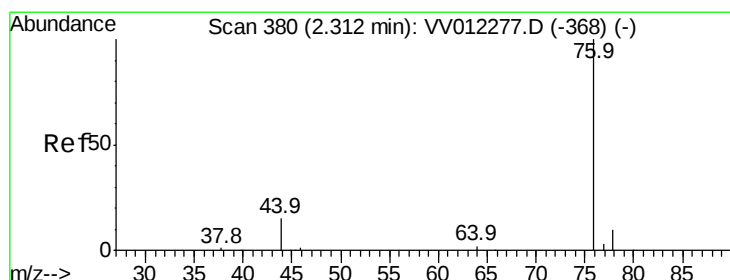
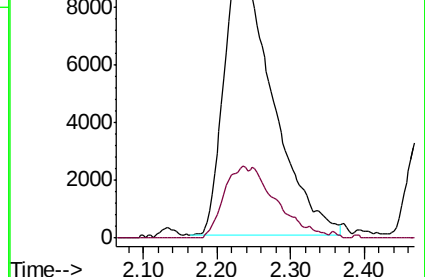
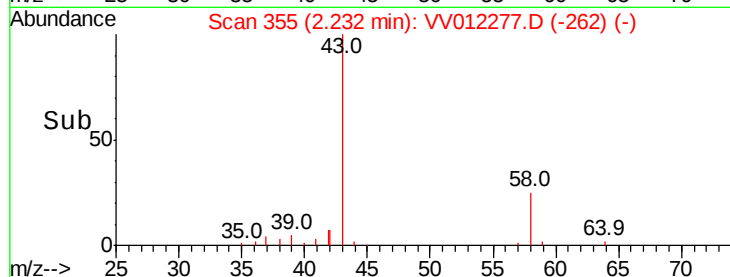


Abundance Ion 43.05 (42.75 to 43.75): VV012277.D (-334) (-)

Ion 58.05 (57.75 to 58.75): VV012277.D (-334) (-)

2.23

Time-->



#14

Carbon disulfide

Concen: 4.336 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV012277.D

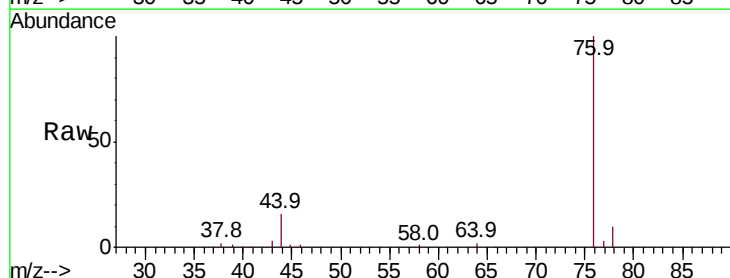
Acq: 19 Aug 2019 13:59

Tgt Ion: 76 Resp: 77821

Ion Ratio Lower Upper

76 100

78 10.4 8.3 12.5

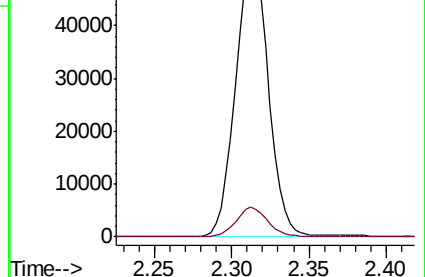
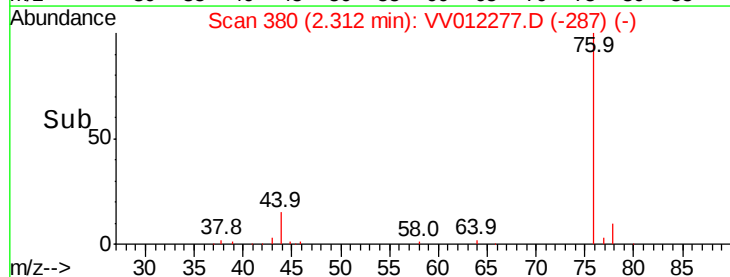


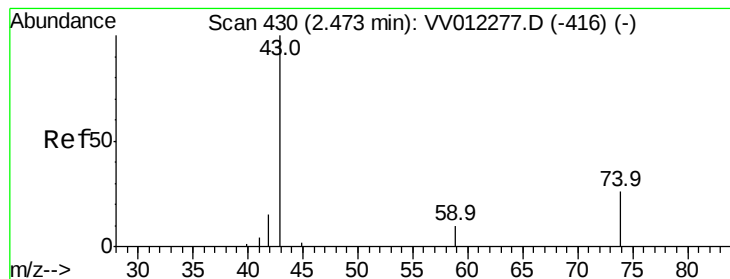
Abundance Ion 76.05 (75.75 to 76.75): VV012277.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV012277.D (-368) (-)

2.31

Time-->





#15

Methvl Acetate

Concen: 3.328 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VV012277.D

Acq: 19 Aug 2019 13:59

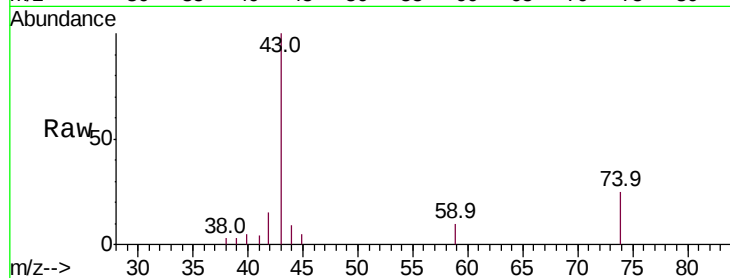
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 7802

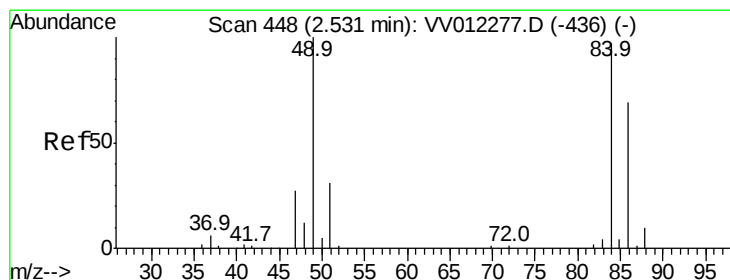
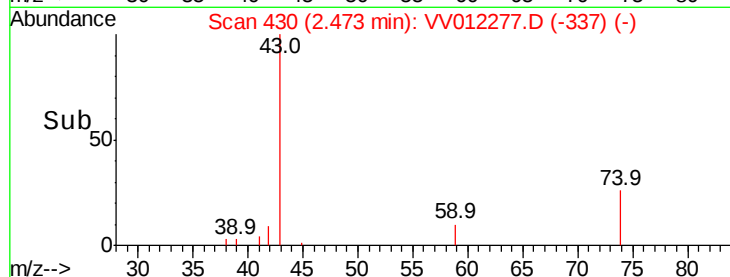
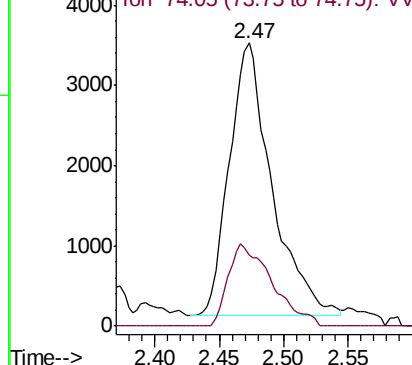
Ion Ratio Lower Upper

43 100

74 31.1 24.9 37.3



Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 4.132 ug/L

RT: 2.53 min Scan# 448

Delta R.T. 0.00 min

Lab File: VV012277.D

Acq: 19 Aug 2019 13:59

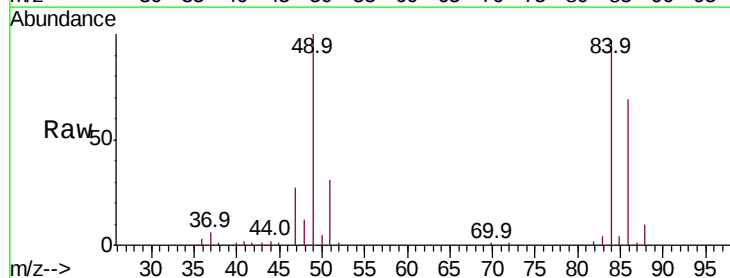
Tgt Ion: 84 Resp: 27243

Ion Ratio Lower Upper

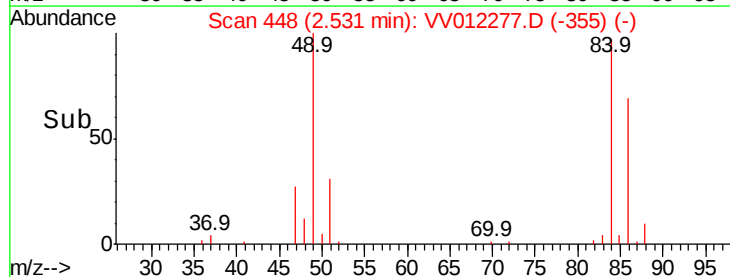
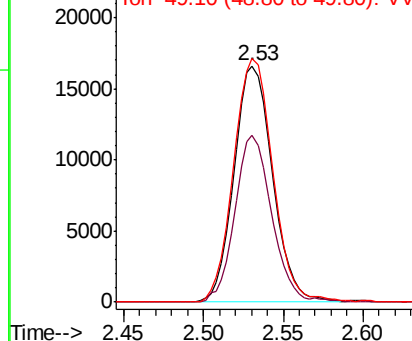
84 100

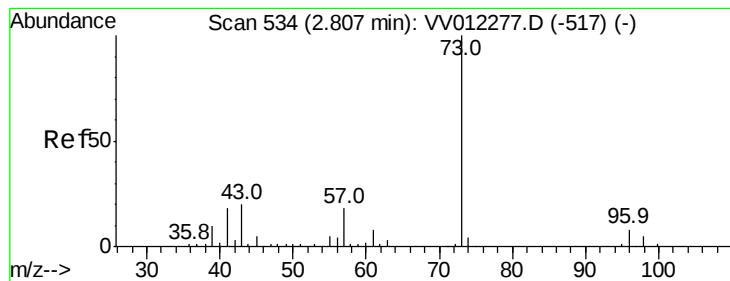
86 70.7 49.5 91.9

49 103.0 72.1 133.9



Abundance Ion 84.05 (83.75 to 84.75): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.10 (48.80 to 49.80): VV0



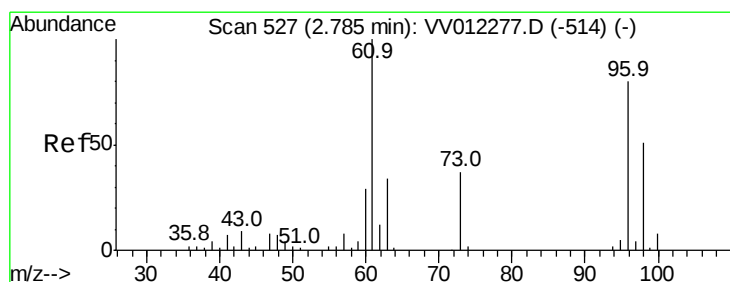
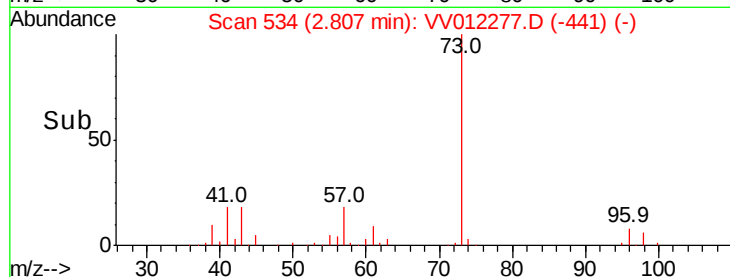
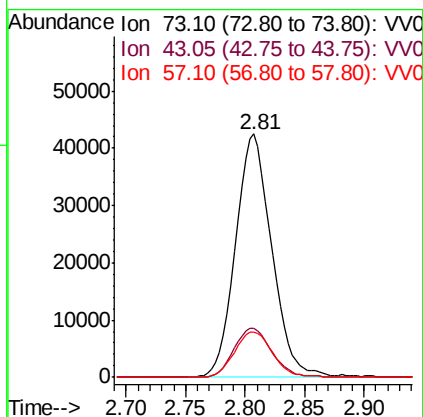
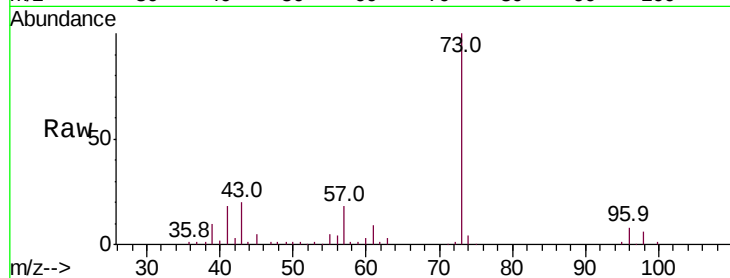


#17

Methvl tert-butvl Ether
 Concen: 5.151 ug/L
 RT: 2.81 min Scan# 534
 Delta R.T. 0.00 min
 Lab File: VV012277.D
 Acq: 19 Aug 2019 13:59

Instrument :
 MSVOA_V
 ClientSampled :

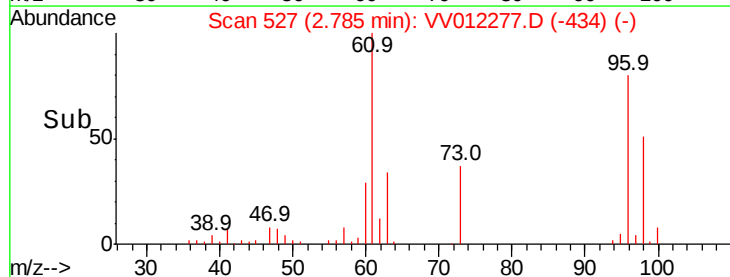
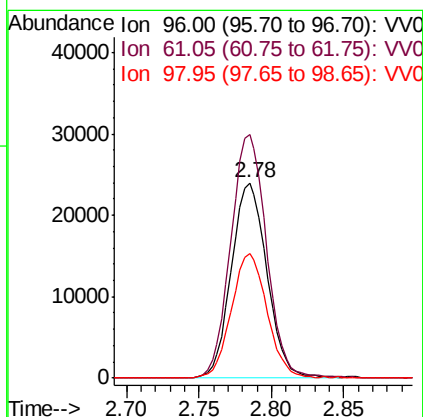
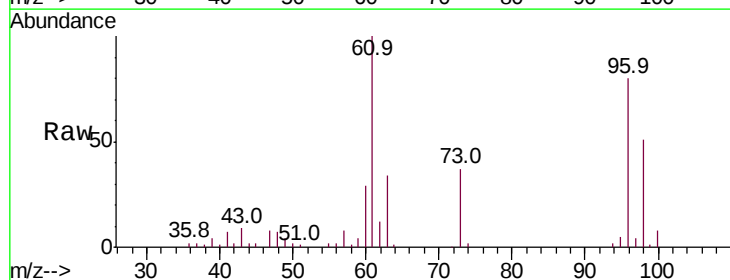
Tot Ion: 73 Resp: 89590
 Ion Ratio Lower Upper
 73 100
 43 21.2 17.0 25.4
 57 19.7 15.8 23.6

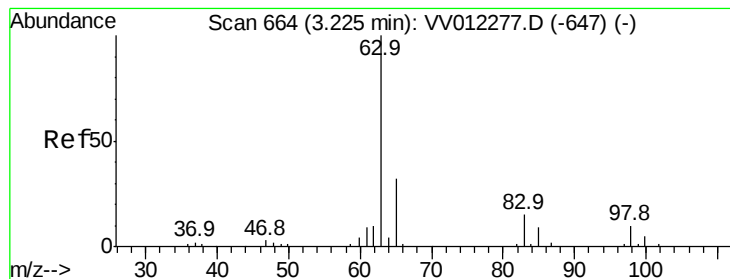


#18

trans-1,2-Dichloroethene
 Concen: 4.937 ug/L
 RT: 2.78 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VV012277.D
 Acq: 19 Aug 2019 13:59

Tgt Ion: 96 Resp: 41127
 Ion Ratio Lower Upper
 96 100
 61 124.8 87.4 162.2
 98 63.8 44.7 82.9





#19

1,1-Dichloroethane

Concen: 4.790 ug/L

RT: 3.23 min Scan# 664

Delta R.T. 0.00 min

Lab File: VV012277.D

Acq: 19 Aug 2019 13:59

Instrument :
MSVOA_V
ClientSampleId :

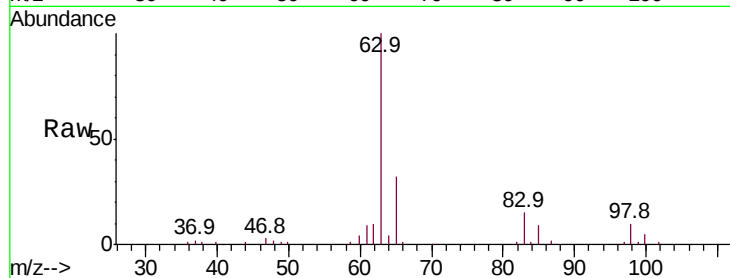
Tot Ion: 63 Resp: 72182

Ion Ratio Lower Upper

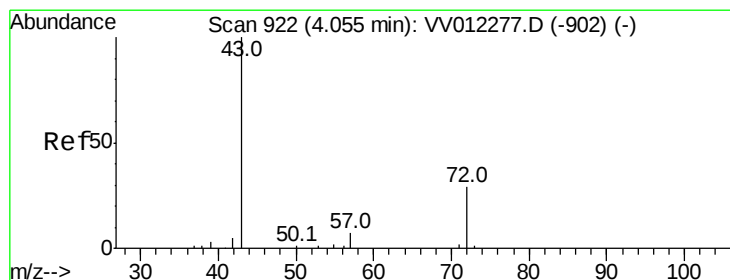
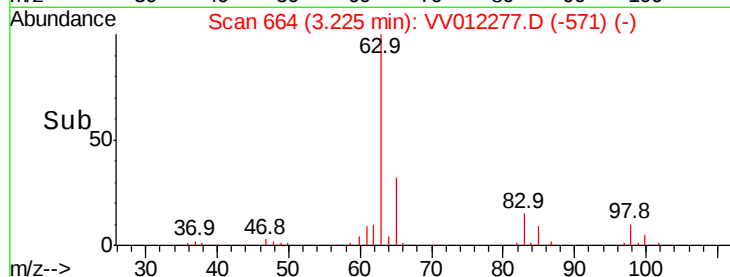
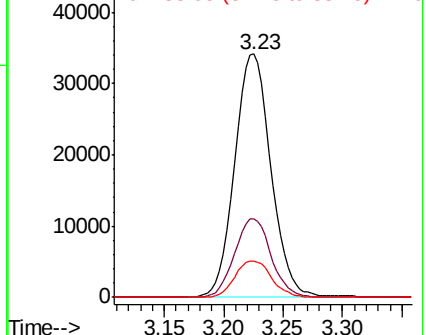
63 100

65 32.4 22.7 42.1

83 15.0 10.5 19.5



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 65.10 (64.80 to 65.80): VV0
Ion 83.05 (82.75 to 83.75): VV0



#21

2-Butanone

Concen: 42.186 ug/L

RT: 4.05 min Scan# 922

Delta R.T. 0.00 min

Lab File: VV012277.D

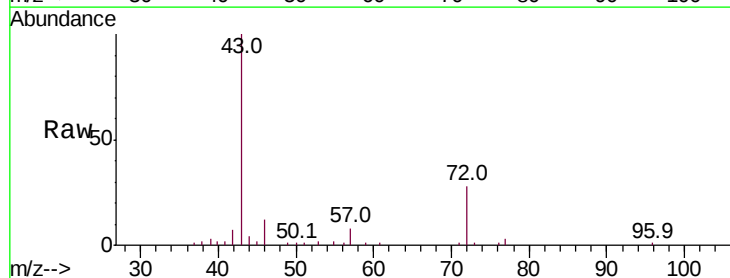
Acq: 19 Aug 2019 13:59

Tgt Ion: 43 Resp: 80297

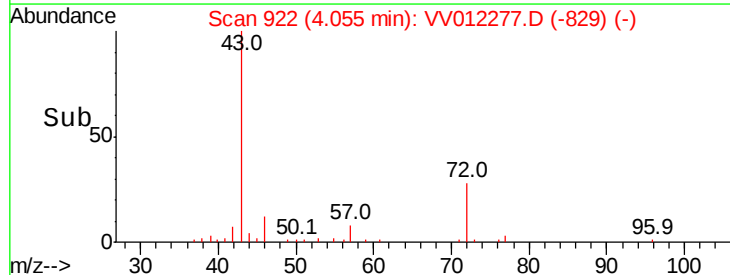
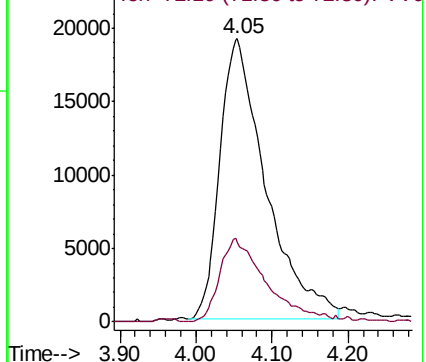
Ion Ratio Lower Upper

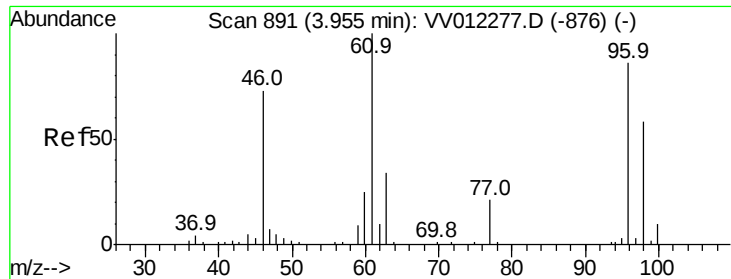
43 100

72 29.6 14.8 44.4



Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 72.10 (71.80 to 72.80): VV0



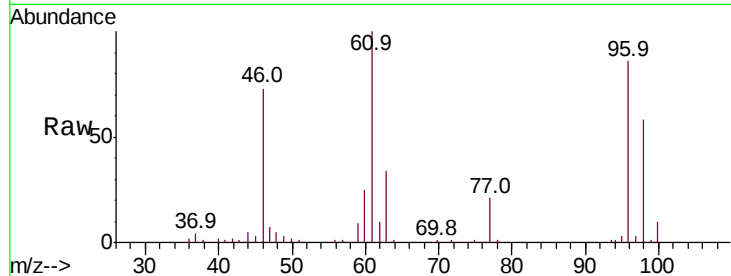


#22

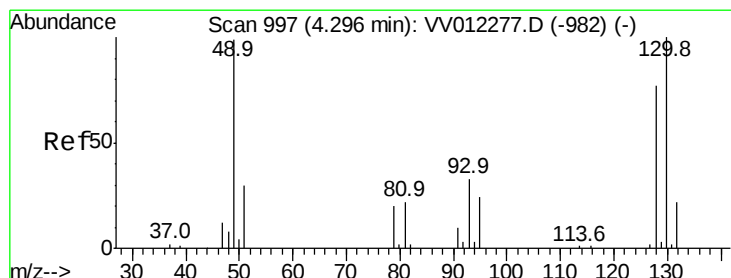
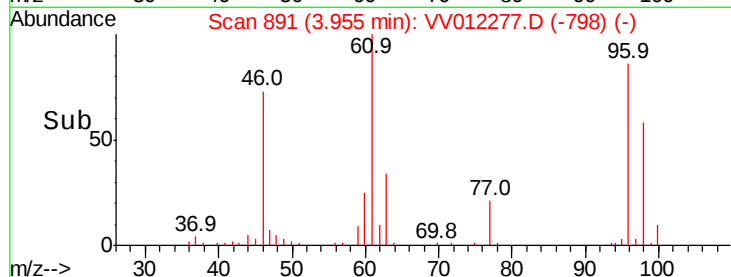
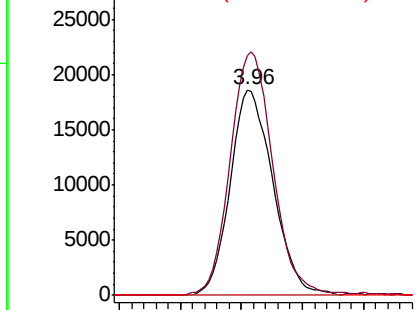
cis-1,2-Dichloroethene
Concen: 4.976 ug/L
RT: 3.96 min Scan# 891
Delta R.T. 0.00 min
Lab File: VV012277.D
Acq: 19 Aug 2019 13:59

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 45265
Ion Ratio Lower Upper
96 100
61 116.6 81.6 151.6
68 0.0 0.0 0.0



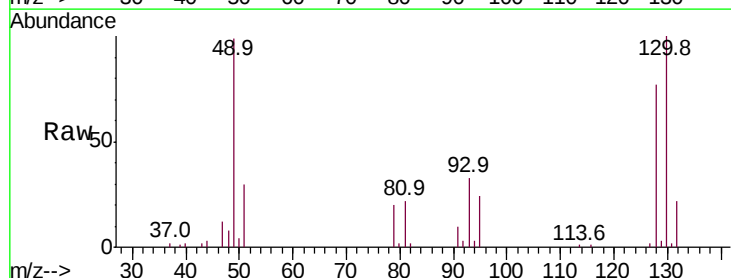
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



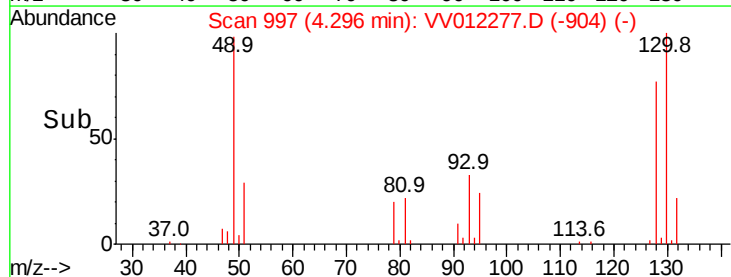
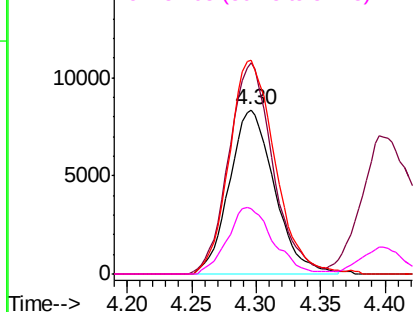
#23

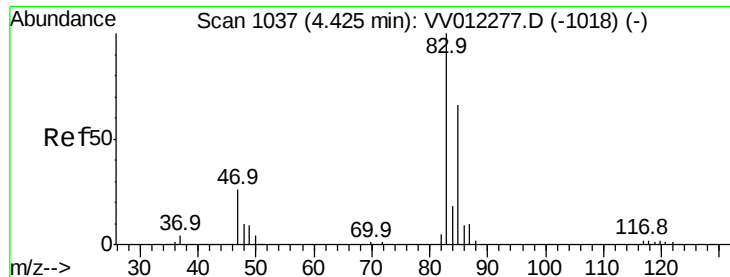
Bromochloromethane
Concen: 5.188 ug/L
RT: 4.30 min Scan# 997
Delta R.T. 0.00 min
Lab File: VV012277.D
Acq: 19 Aug 2019 13:59

Tgt Ion: 128 Resp: 20348
Ion Ratio Lower Upper
128 100
49 128.9 90.2 167.6
130 130.3 91.2 169.4
51 39.6 31.7 47.5



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

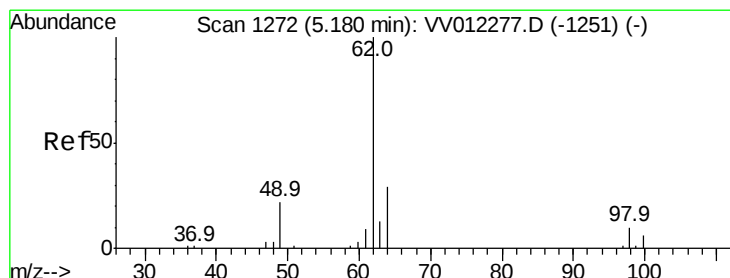
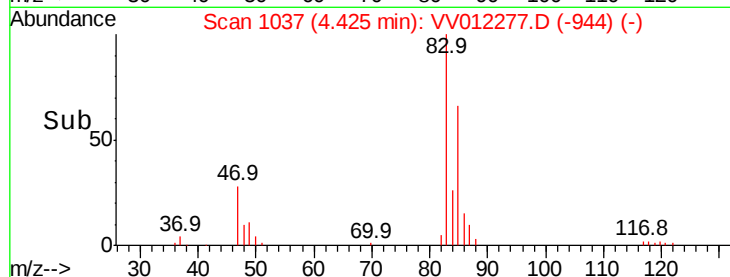
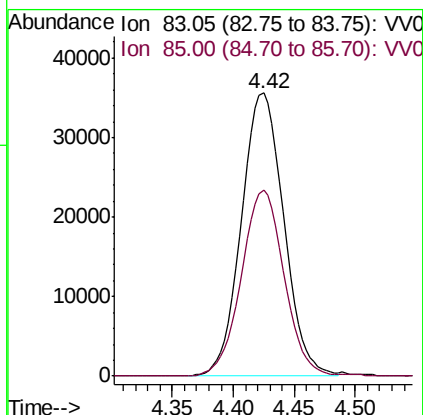
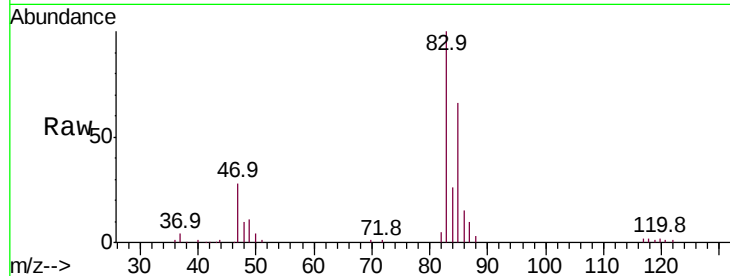




#25
Chloroform
Concen: 4.926 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV012277.D
Acq: 19 Aug 2019 13:59

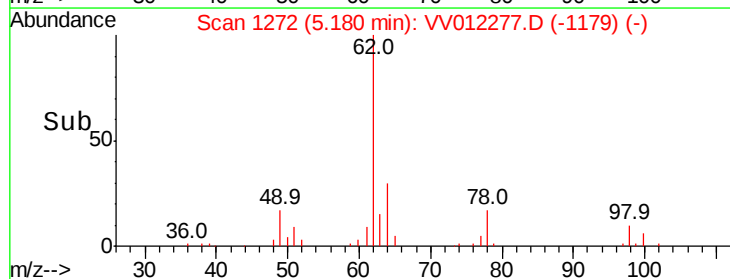
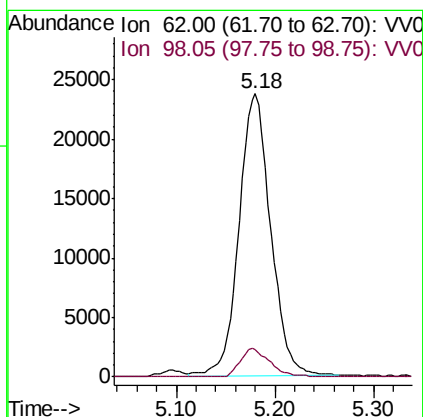
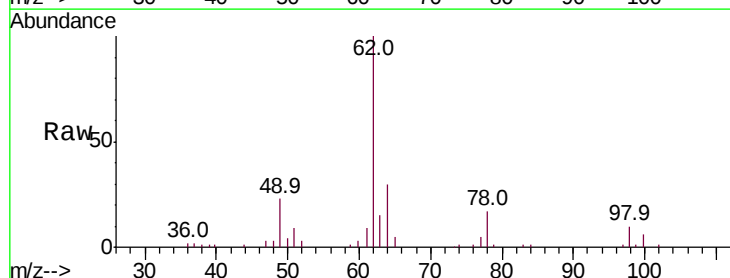
Instrument :
MSVOA_V
ClientSampleId :

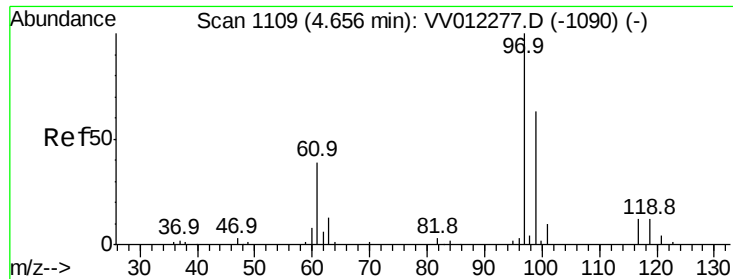
Tot Ion: 83 Resp: 85746
Ion Ratio Lower Upper
83 100
85 65.8 46.1 85.5



#27
1,2-Dichloroethane
Concen: 5.476 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV012277.D
Acq: 19 Aug 2019 13:59

Tgt Ion: 62 Resp: 52891
Ion Ratio Lower Upper
62 100
98 9.5 7.6 11.4

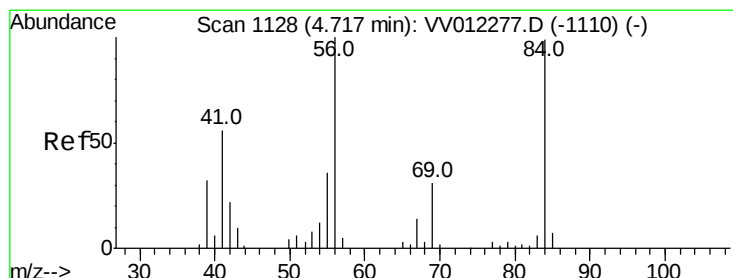
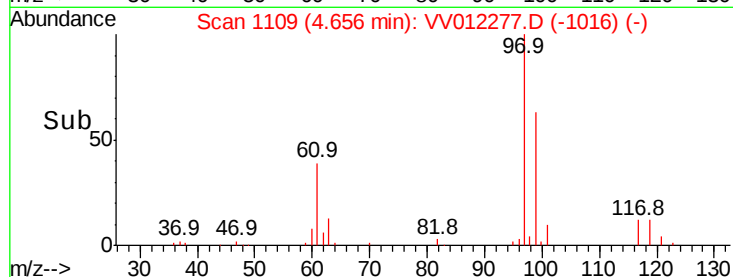
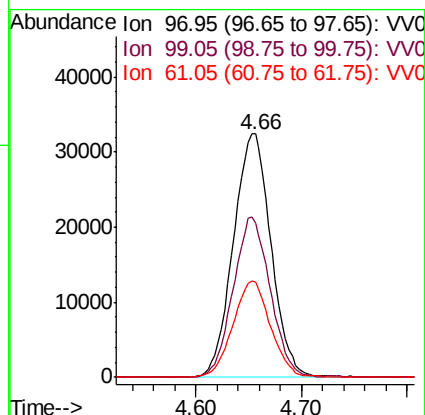
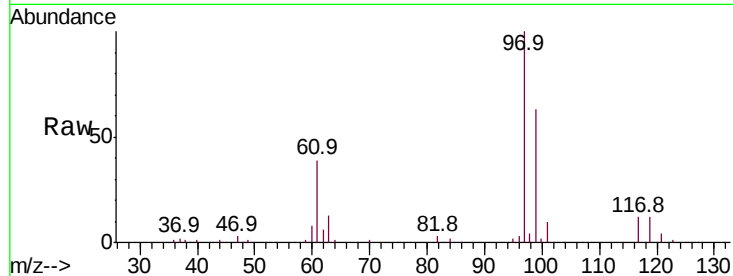




#29
 1,1,1-Trichloroethane
 Concen: 5.501 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: VV012277.D
 Acq: 19 Aug 2019 13:59

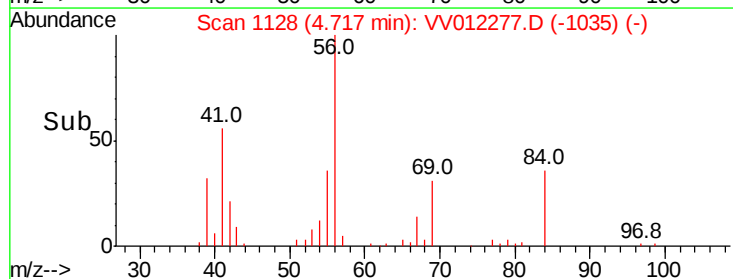
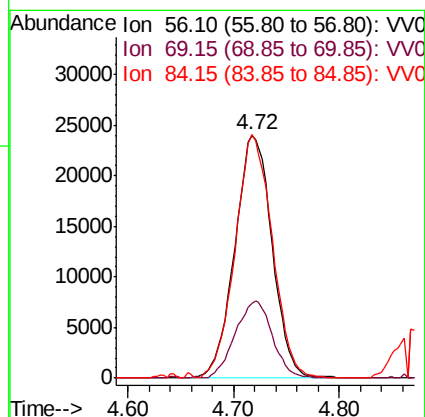
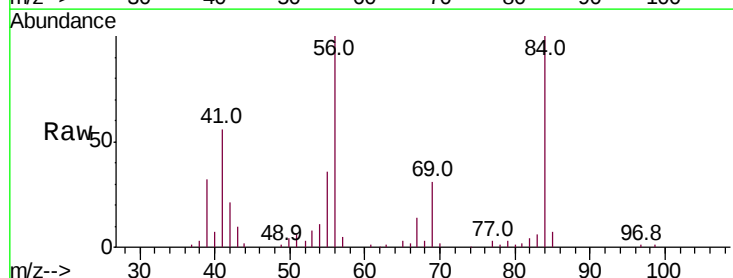
Instrument :
 MSVOA_V
 ClientSampleId :

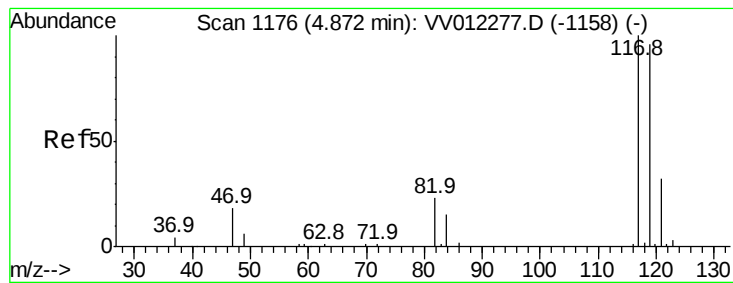
Tot Ion: 97 Resp: 80329
 Ion Ratio Lower Upper
 97 100
 99 64.6 51.7 77.5
 61 39.6 31.7 47.5



#30
 Cyclohexane
 Concen: 4.312 ug/L
 RT: 4.72 min Scan# 1128
 Delta R.T. 0.00 min
 Lab File: VV012277.D
 Acq: 19 Aug 2019 13:59

Tgt Ion: 56 Resp: 58926
 Ion Ratio Lower Upper
 56 100
 69 31.6 25.3 37.9
 84 99.9 79.9 119.9





#31

Carbon tetrachloride

Concen: 5.660 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV012277.D

Acq: 19 Aug 2019 13:59

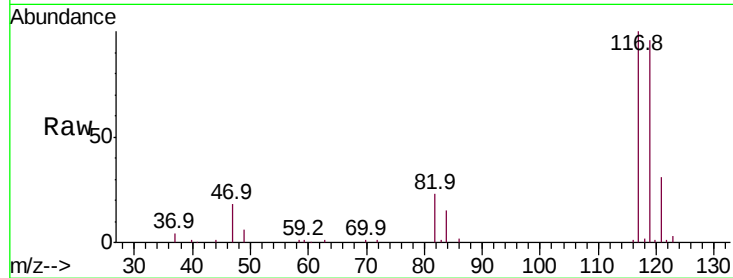
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 75307

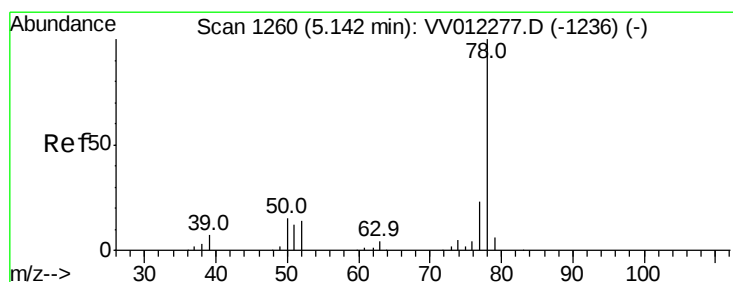
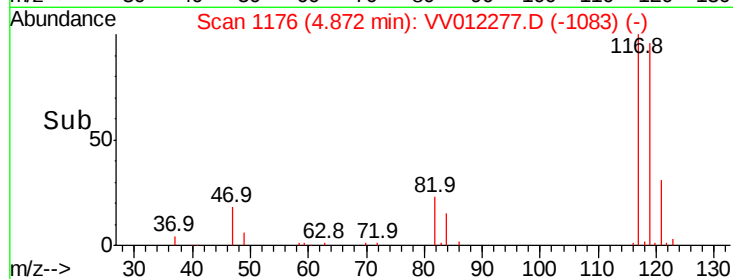
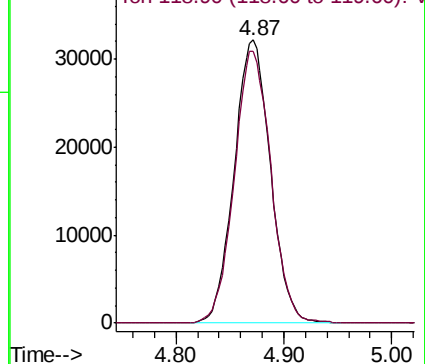
Ion Ratio Lower Upper

117 100

119 97.0 77.6 116.4



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



#33

Benzene

Concen: 4.790 ug/L

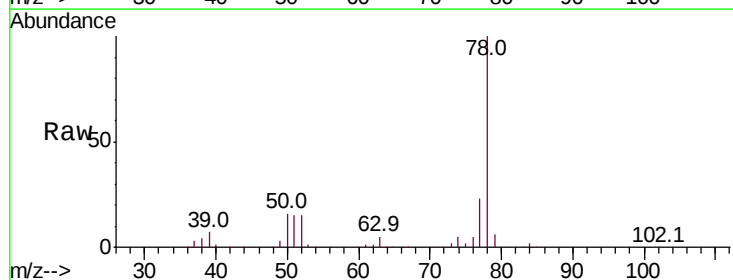
RT: 5.14 min Scan# 1260

Delta R.T. 0.00 min

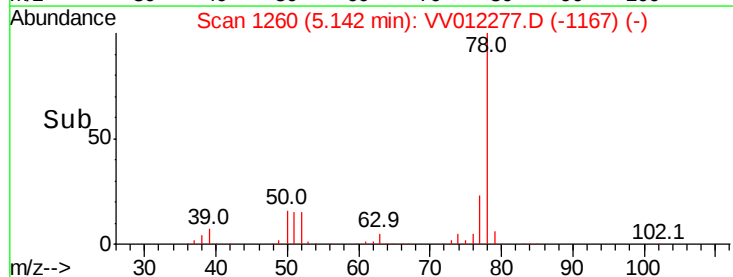
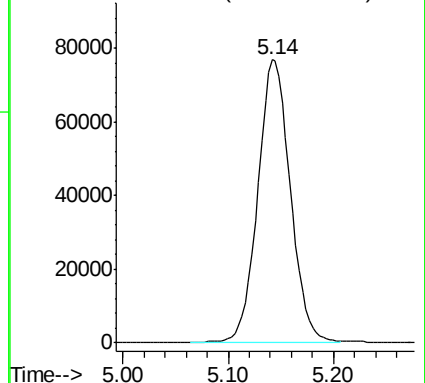
Lab File: VV012277.D

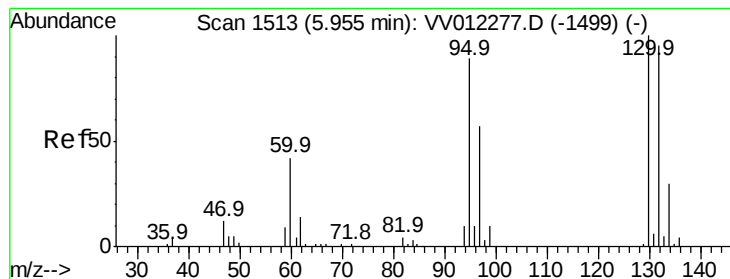
Acq: 19 Aug 2019 13:59

Tgt Ion: 78 Resp: 165633



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.030 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV012277.D

Acq: 19 Aug 2019 13:59

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 95 Resp: 48112

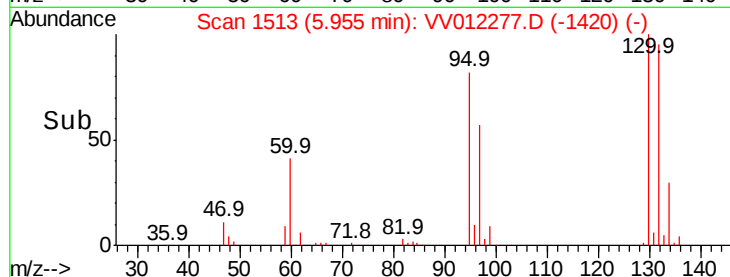
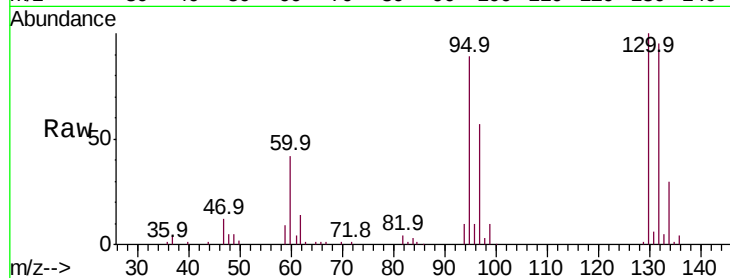
Ion Ratio Lower Upper

95 100

97 64.2 44.9 83.5

132 107.0 74.9 139.1

130 112.9 79.0 146.8



Abundance Ion 95.00 (94.70 to 95.70): VV012277.D (-1420) (-)

Ion 96.95 (96.65 to 97.65): VV012277.D (-1420) (-)

Ion 131.95 (131.65 to 132.65): VV012277.D (-1420) (-)

Ion 129.95 (129.65 to 130.65): VV012277.D (-1420) (-)

Time-->

5.85 5.90 5.95 6.00 6.05

Abundance

40000

30000

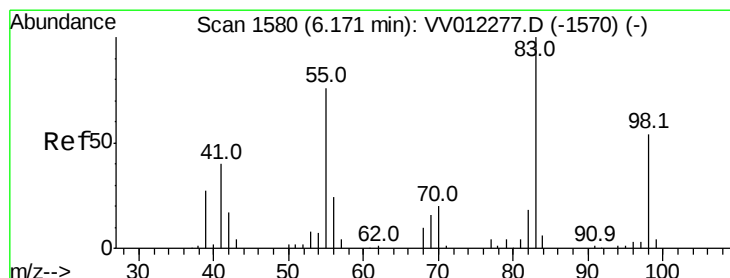
20000

10000

0

Time-->

5.85 5.90 5.95 6.00 6.05



#35

Methylcyclohexane

Concen: 4.966 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. 0.00 min

Lab File: VV012277.D

Acq: 19 Aug 2019 13:59

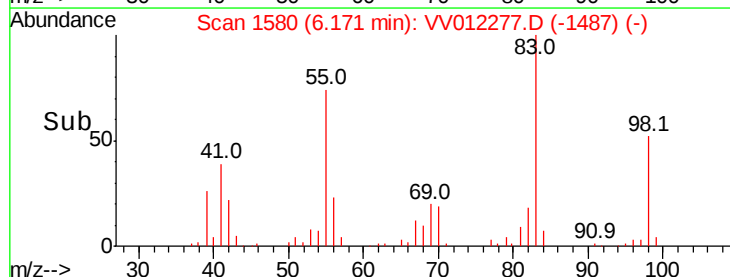
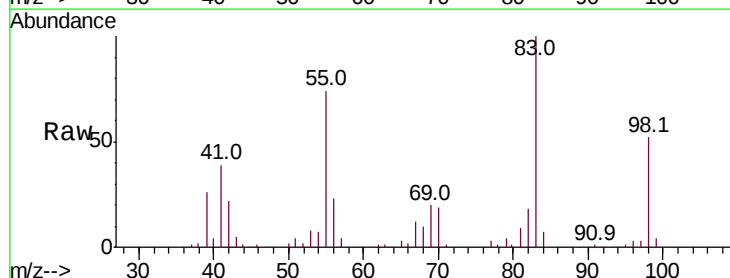
Tgt Ion: 83 Resp: 72785

Ion Ratio Lower Upper

83 100

55 71.6 57.3 85.9

98 50.4 40.3 60.5



Abundance Ion 83.15 (82.85 to 83.85): VV012277.D (-1487) (-)

Ion 55.10 (54.80 to 55.80): VV012277.D (-1487) (-)

Ion 98.15 (97.85 to 98.85): VV012277.D (-1487) (-)

Time-->

6.10 6.15 6.20 6.25

Abundance

40000

30000

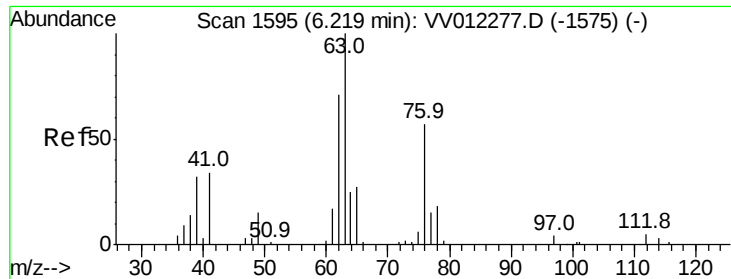
20000

10000

0

Time-->

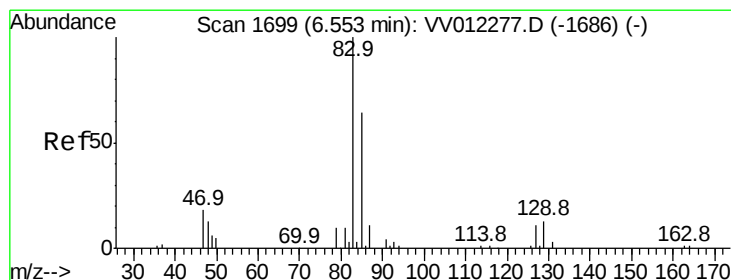
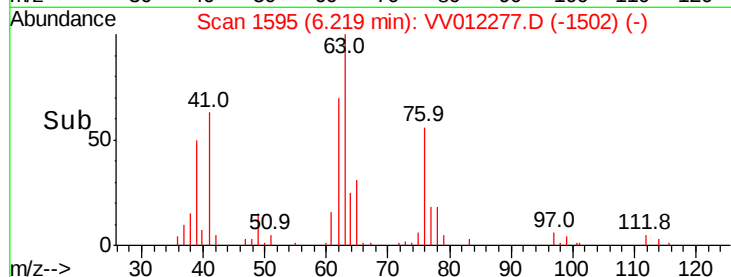
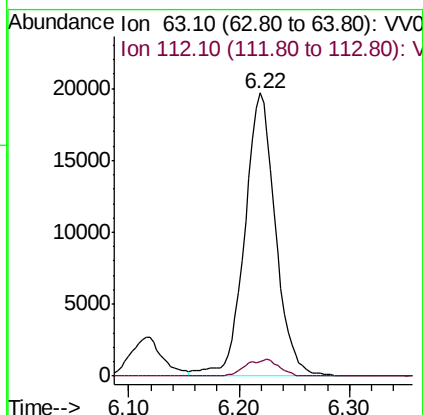
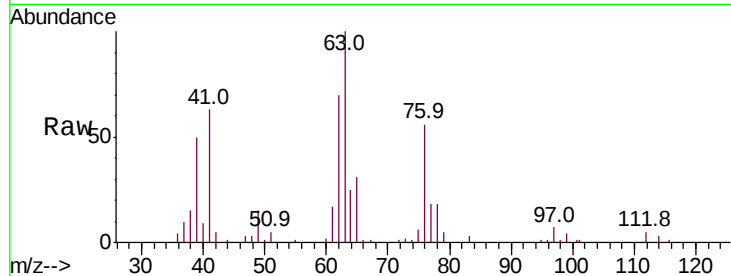
6.10 6.15 6.20 6.25



#37
 1,2-Dichloropropane
 Concen: 4.467 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV012277.D
 Acq: 19 Aug 2019 13:59

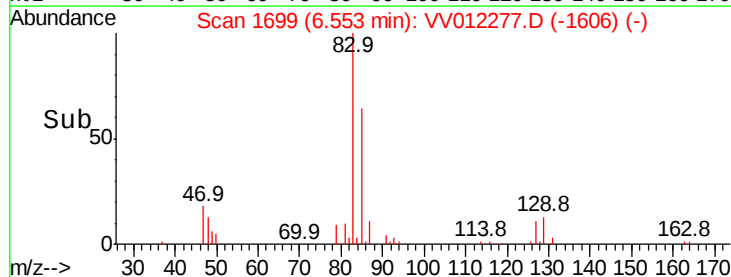
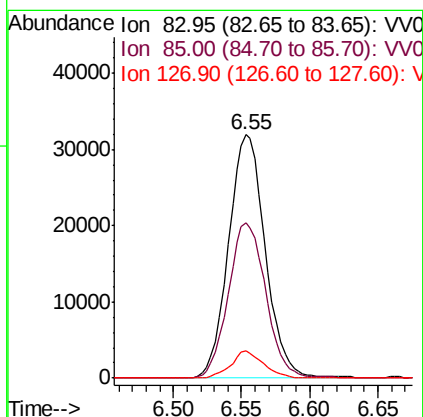
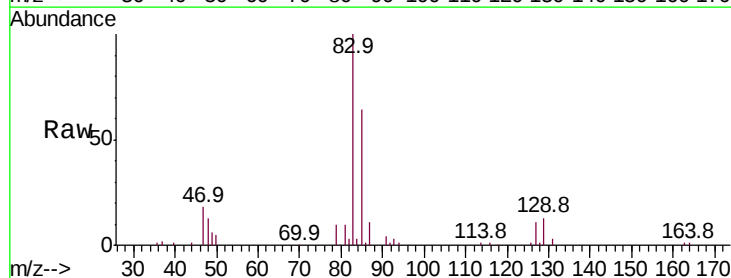
Instrument :
 MSVOA_V
 ClientSampleId :

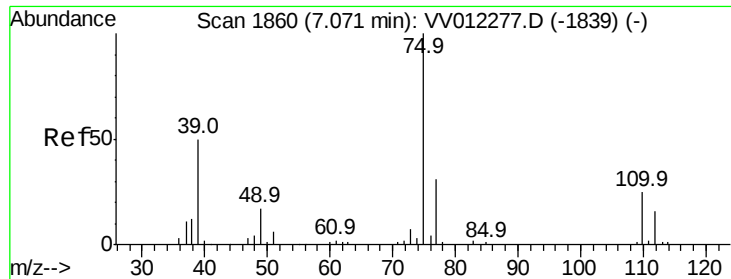
Tot Ion: 63 Resp: 38029
 Ion Ratio Lower Upper
 63 100
 112 6.4 5.1 7.7



#38
 Bromodichloromethane
 Concen: 5.210 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV012277.D
 Acq: 19 Aug 2019 13:59

Tgt Ion: 83 Resp: 59585
 Ion Ratio Lower Upper
 83 100
 85 63.6 44.5 82.7
 127 11.1 8.9 13.3

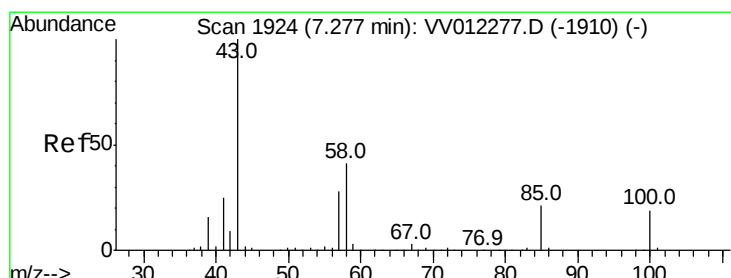
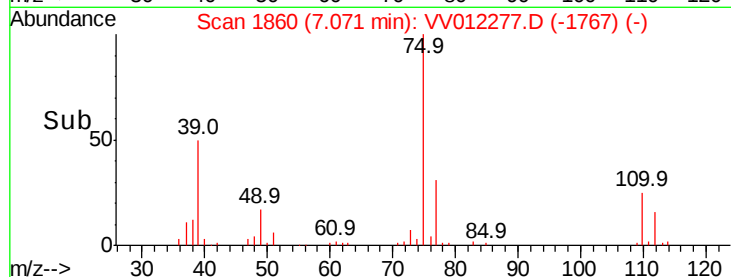
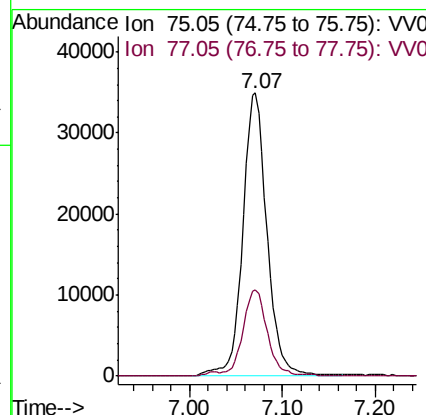
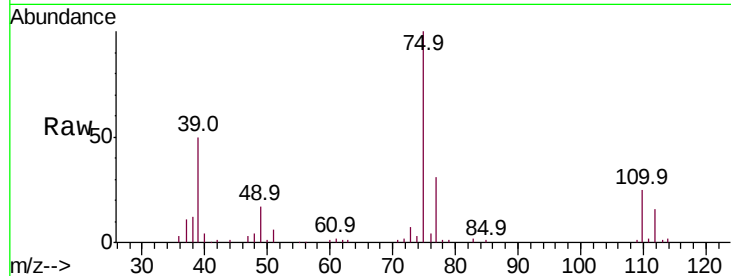




#39
 cis-1,3-Dichloropropene
 Concen: 5.248 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV012277.D
 Acq: 19 Aug 2019 13:59

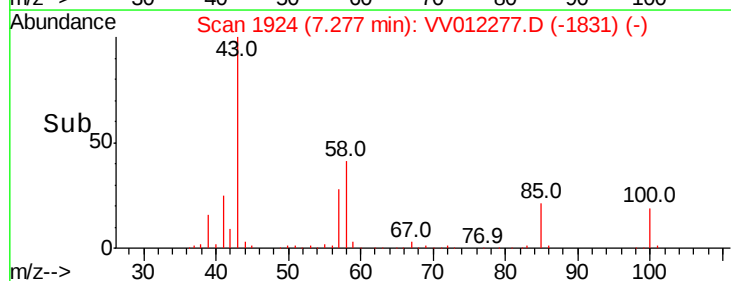
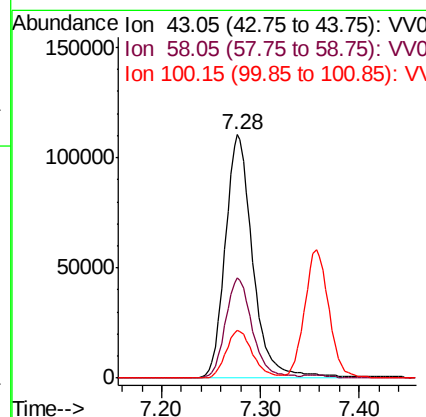
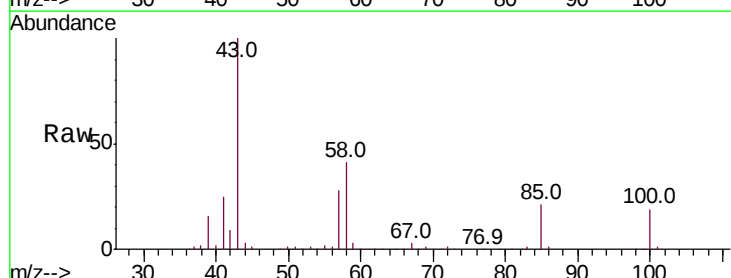
Instrument :
 MSVOA_V
 ClientSampleId :

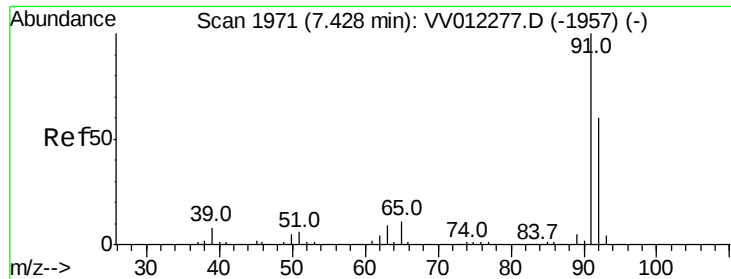
Tot Ion: 75 Resp: 63561
 Ion Ratio Lower Upper
 75 100
 77 30.7 21.5 39.9



#40
 4-Methyl-2-pentanone
 Concen: 46.336 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV012277.D
 Acq: 19 Aug 2019 13:59

Tgt Ion: 43 Resp: 215744
 Ion Ratio Lower Upper
 43 100
 58 40.1 32.1 48.1
 100 19.0 15.2 22.8





#42

Toluene

Concen: 5.138 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV012277.D

Acq: 19 Aug 2019 13:59

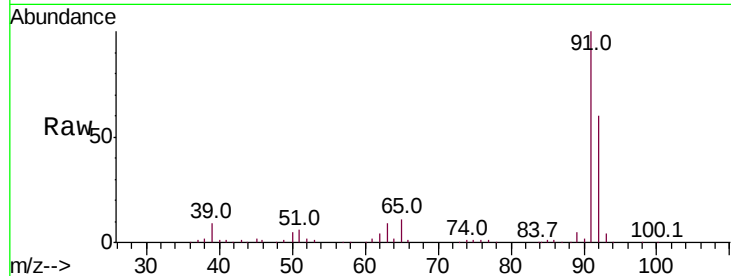
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 191486

Ion Ratio Lower Upper

91 100

92 59.5 41.6 77.3



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

120000

100000

80000

60000

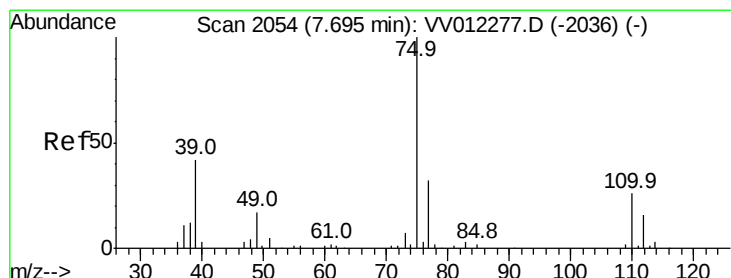
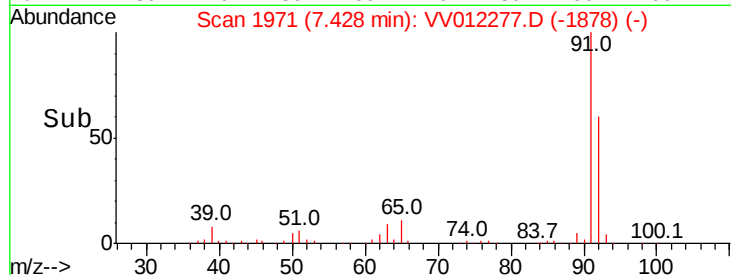
40000

20000

0

7.35 7.40 7.45 7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.272 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV012277.D

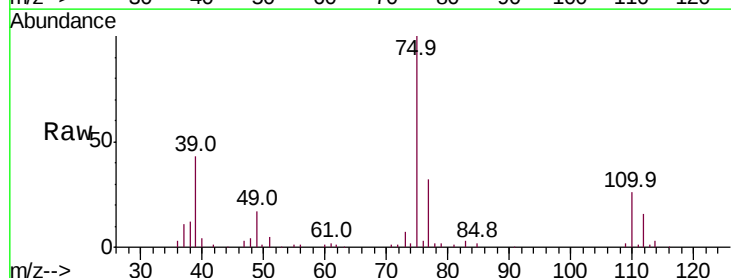
Acq: 19 Aug 2019 13:59

Tgt Ion: 75 Resp: 50851

Ion Ratio Lower Upper

75 100

77 31.6 22.1 41.1



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.69

30000

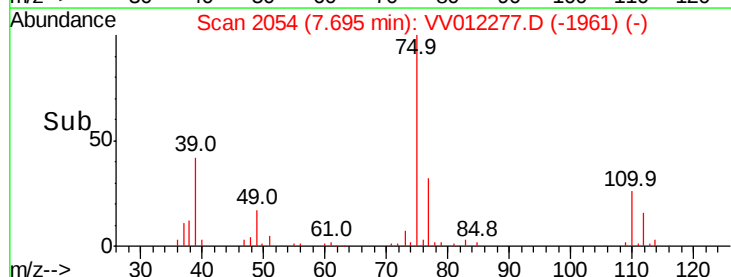
20000

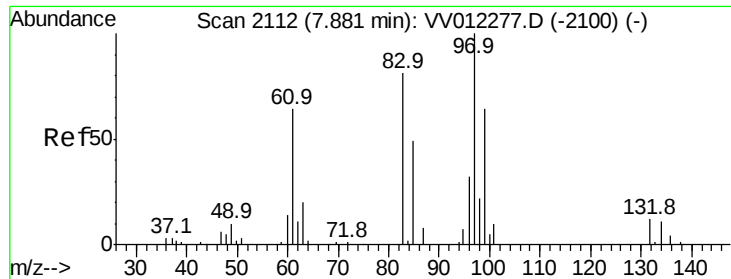
10000

0

7.60 7.65 7.70 7.75 7.80

Time-->

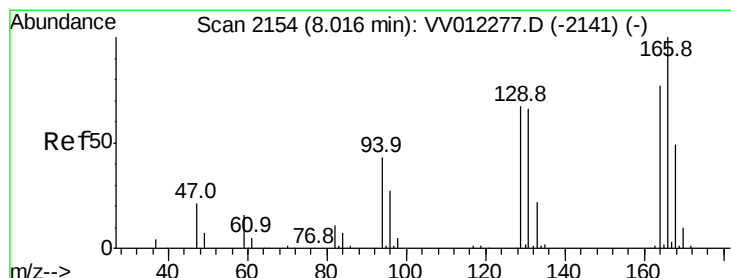
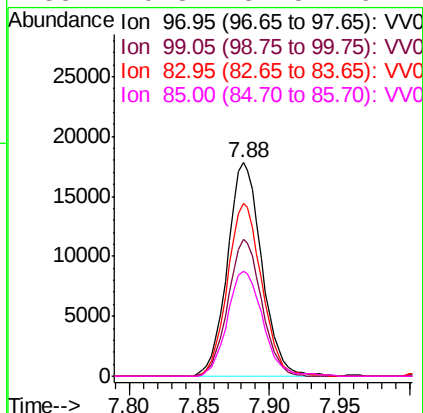
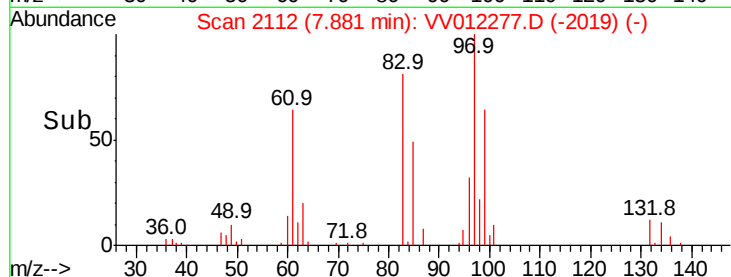
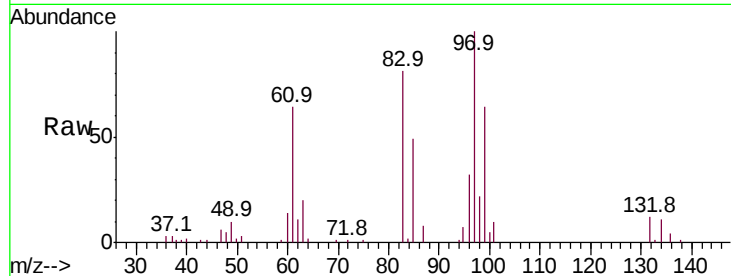




#45
1,1,2-Trichloroethane
Concen: 5.175 ug/L
RT: 7.88 min Scan# 2112
Delta R.T. 0.00 min
Lab File: VV012277.D
Acq: 19 Aug 2019 13:59

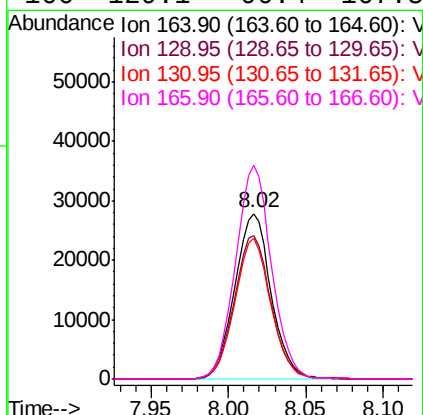
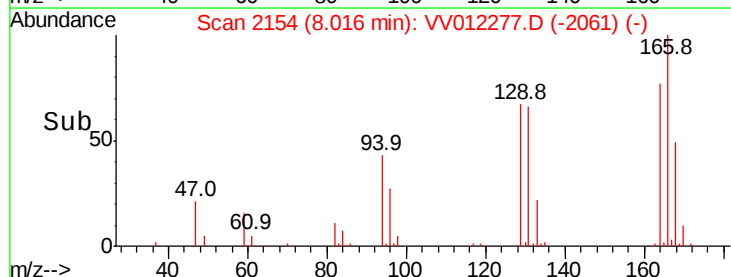
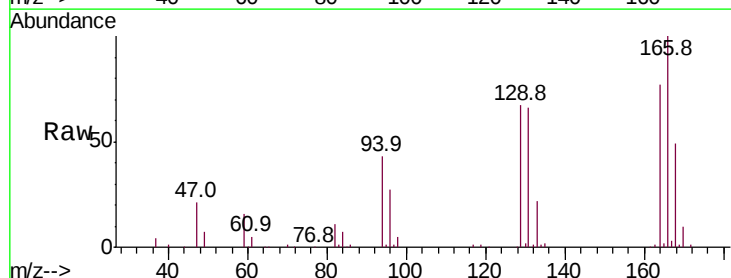
Instrument :
MSVOA_V
ClientSampled :

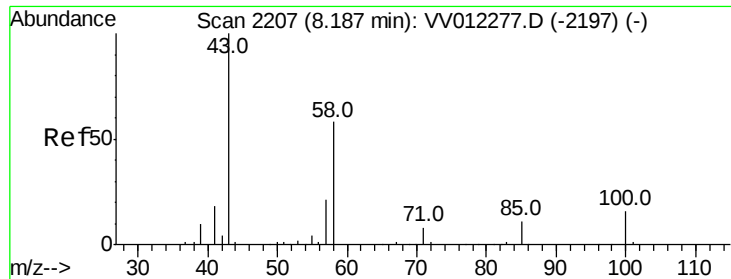
Tot Ion:	97	Resp:	30334
Ion	Ratio	Lower	Upper
97	100		
99	63.9	44.7	83.1
83	81.2	56.8	105.6
85	49.3	34.5	64.1



#47
Tetrachloroethene
Concen: 5.643 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV012277.D
Acq: 19 Aug 2019 13:59

Tgt Ion:	164	Resp:	45553
Ion	Ratio	Lower	Upper
164	100		
129	86.8	60.8	112.8
131	84.8	59.4	110.2
166	129.1	90.4	167.8

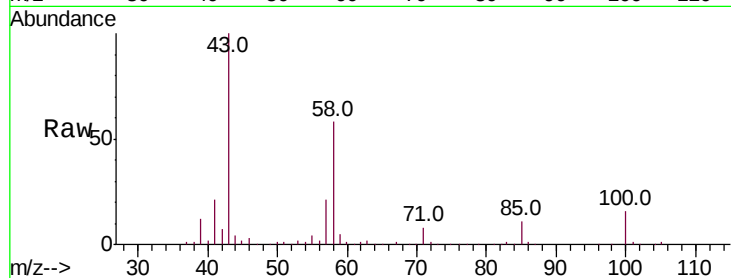




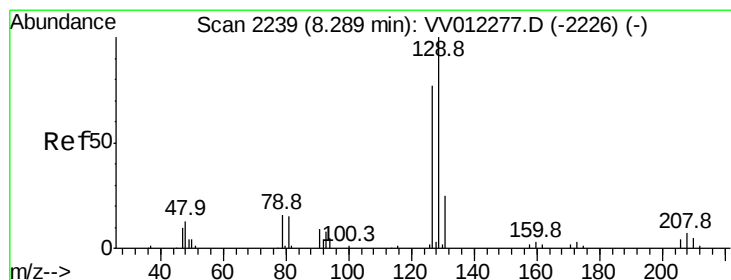
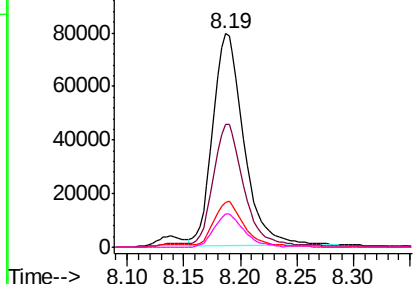
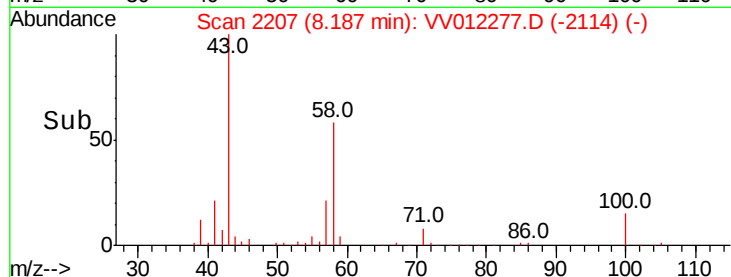
#48
2-Hexanone
Concen: 46.438 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV012277.D
Acq: 19 Aug 2019 13:59

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 151591
Ion Ratio Lower Upper
43 100
58 56.8 45.4 68.2
57 21.0 16.8 25.2
100 15.2 12.2 18.2

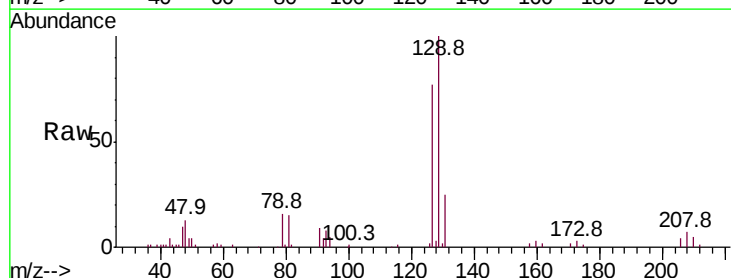


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

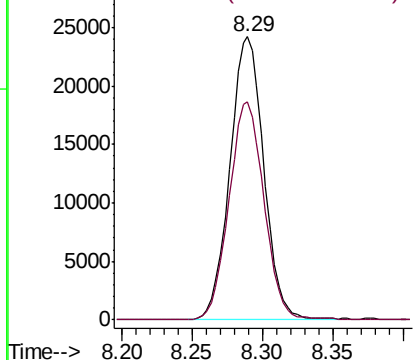
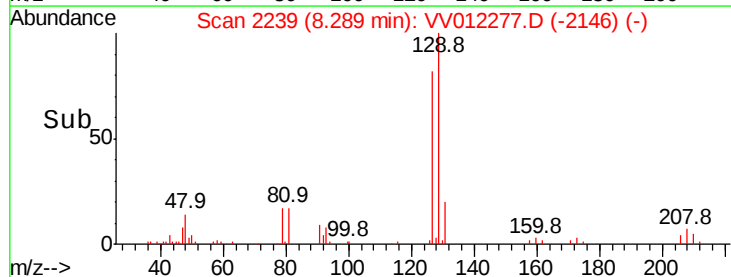


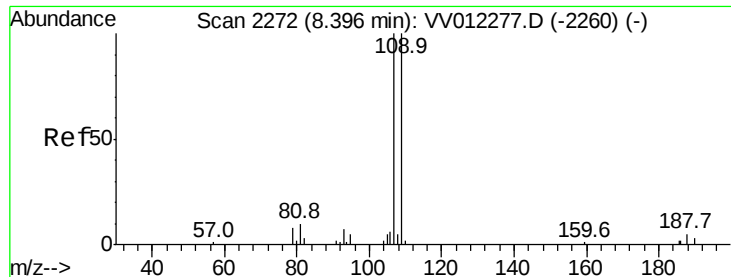
#49
Dibromochloromethane
Concen: 5.490 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV012277.D
Acq: 19 Aug 2019 13:59

Tgt Ion: 129 Resp: 40748
Ion Ratio Lower Upper
129 100
127 77.0 53.9 100.1



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

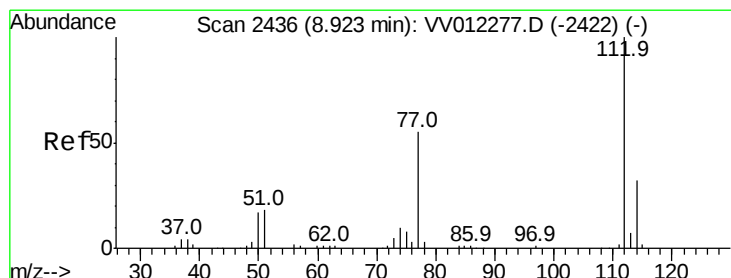
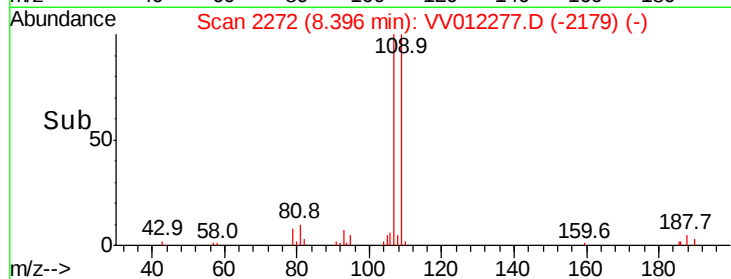
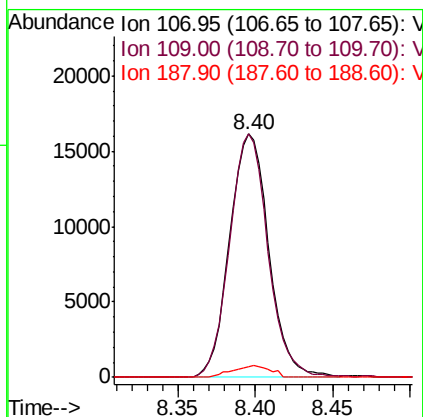
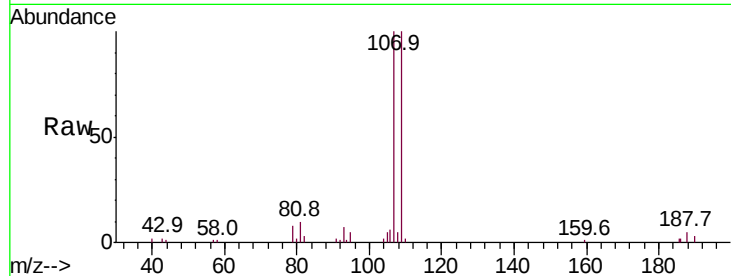




#50
 1,2-Dibromoethane
 Concen: 5.035 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VV012277.D
 Acq: 19 Aug 2019 13:59

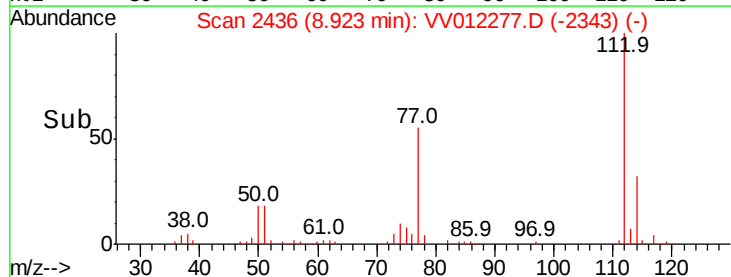
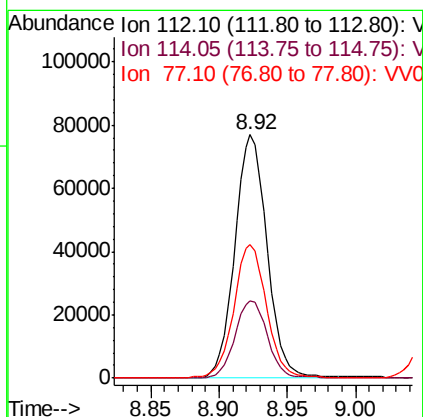
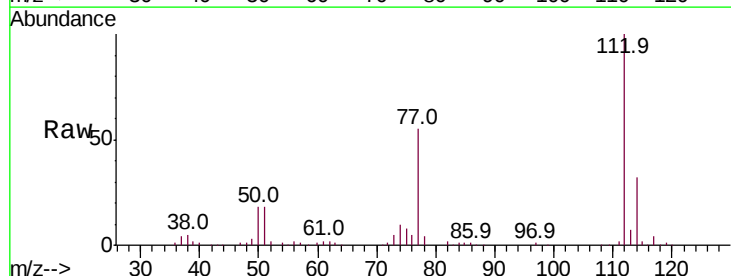
Instrument :
 MSVOA_V
 ClientSampleId :

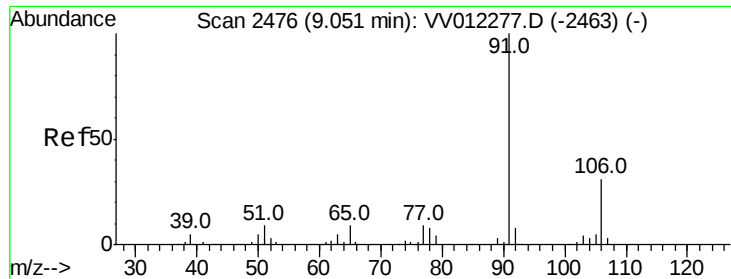
Tot Ion	Ratio	Lower	Upper
107	100		
109	100.0	70.0	130.0
188	4.6	3.7	5.5



#51
 Chlorobenzene
 Concen: 5.180 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. 0.00 min
 Lab File: VV012277.D
 Acq: 19 Aug 2019 13:59

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.3	41.5
77	54.9	43.9	65.9





#52

Ethylbenzene

Concen: 5.312 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV012277.D

Acq: 19 Aug 2019 13:59

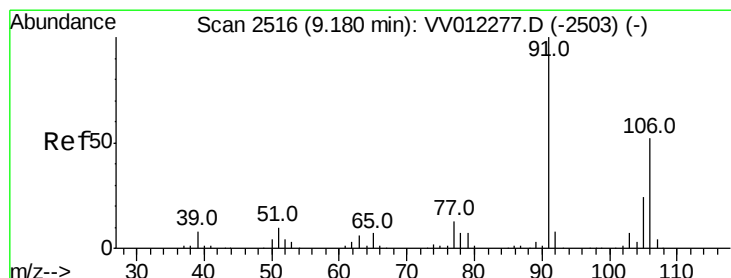
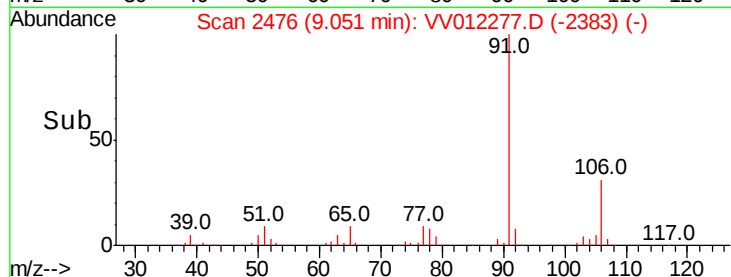
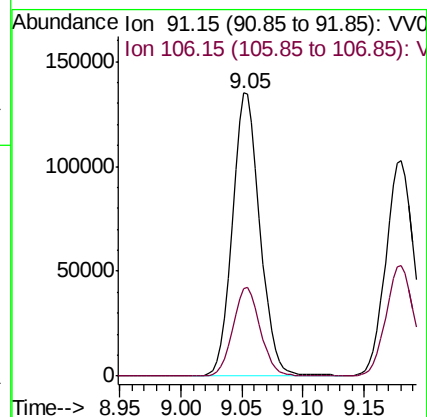
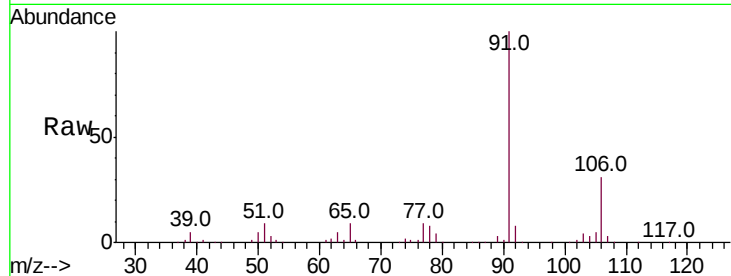
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 213292

Ion Ratio Lower Upper

91 100

106 30.8 21.6 40.0



#53

m,p-xylene

Concen: 5.544 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV012277.D

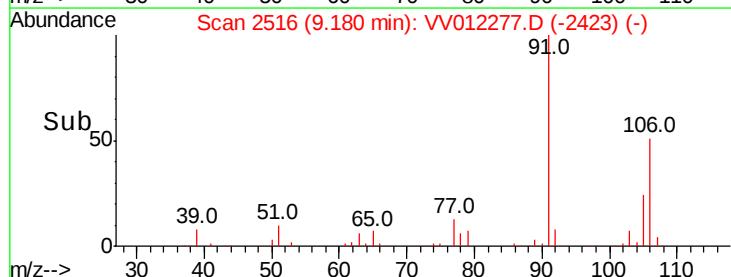
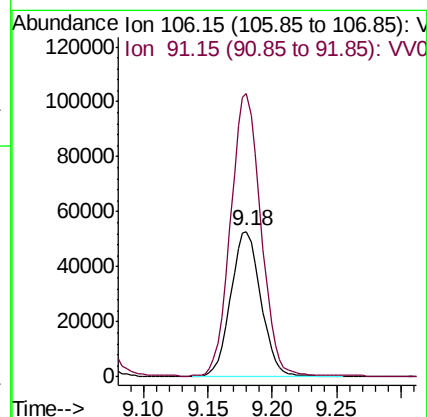
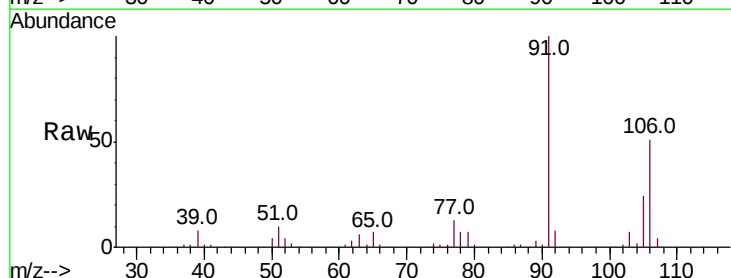
Acq: 19 Aug 2019 13:59

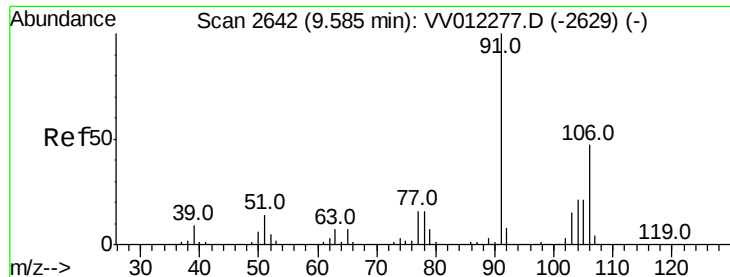
Tgt Ion: 106 Resp: 86170

Ion Ratio Lower Upper

106 100

91 194.3 136.0 252.6





#54

o-xylene

Concen: 5.530 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV012277.D

Acq: 19 Aug 2019 13:59

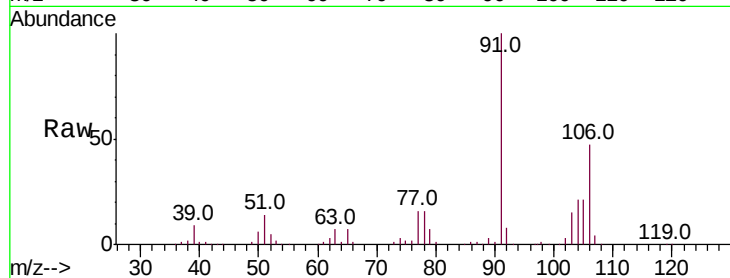
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 81244

Ion Ratio Lower Upper

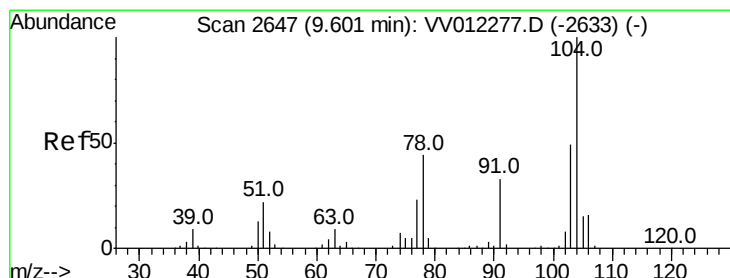
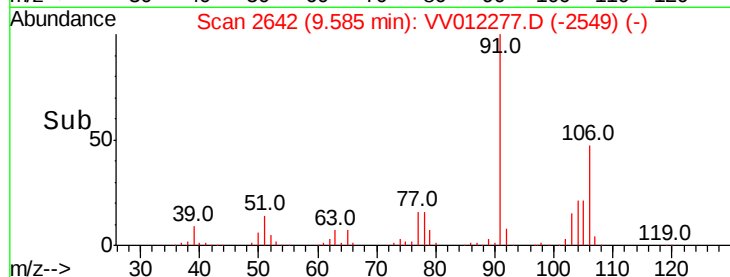
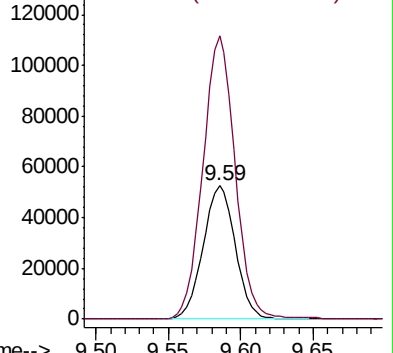
106 100

91 212.4 148.7 276.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.644 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV012277.D

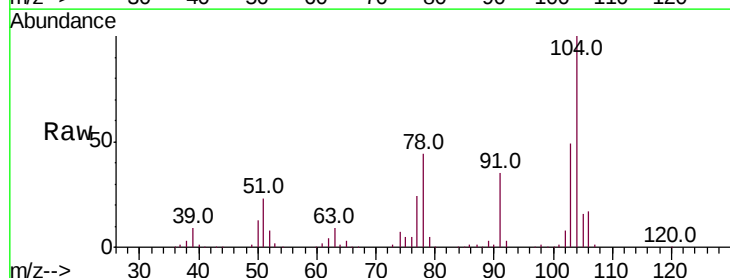
Acq: 19 Aug 2019 13:59

Tgt Ion:104 Resp: 138323

Ion Ratio Lower Upper

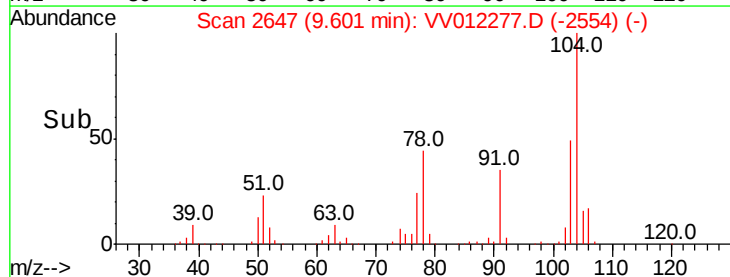
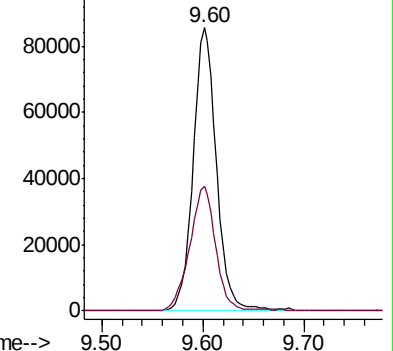
104 100

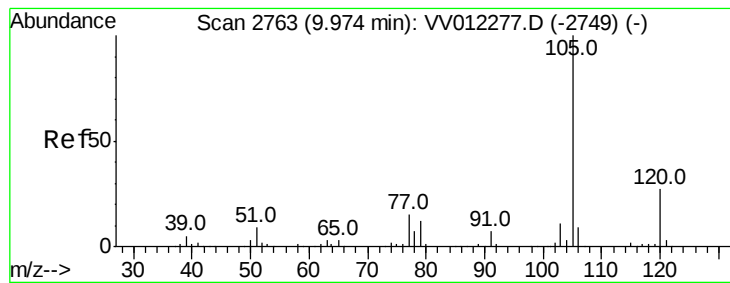
78 44.0 30.8 57.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.574 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV012277.D

Acq: 19 Aug 2019 13:59

Instrument :

MSVOA_V

ClientSampleId :

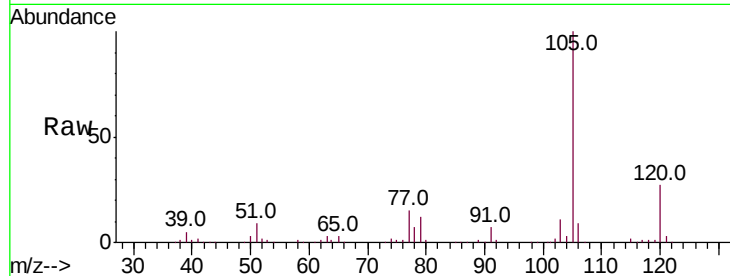
Tot Ion:105 Resp: 220190

Ion Ratio Lower Upper

105 100

120 26.7 21.4 32.0

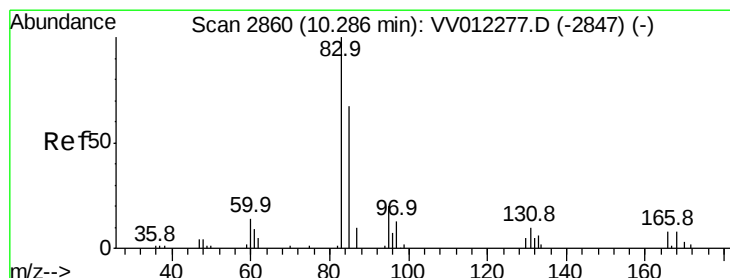
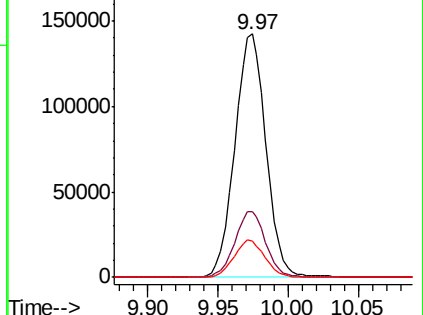
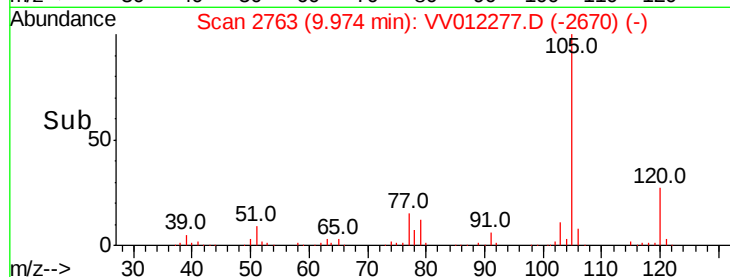
77 15.2 12.2 18.2



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: 4.716 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV012277.D

Acq: 19 Aug 2019 13:59

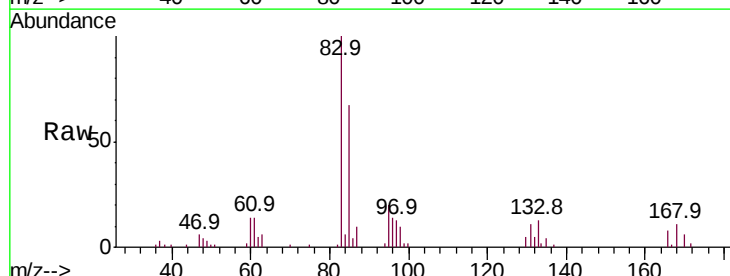
Tgt Ion: 83 Resp: 31340

Ion Ratio Lower Upper

83 100

85 67.1 47.0 87.2

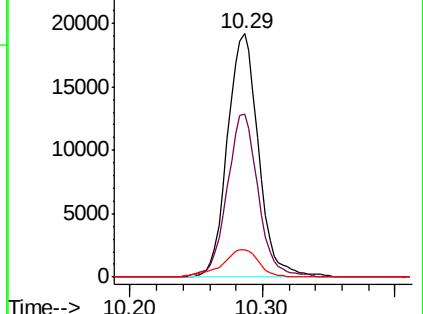
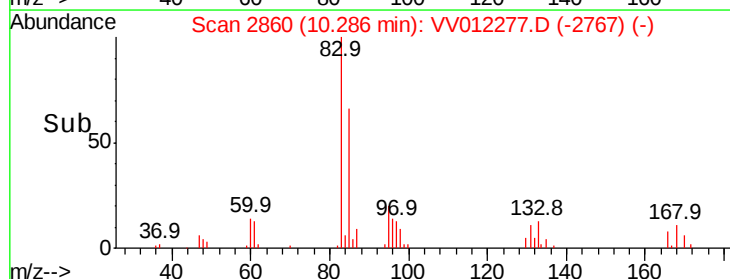
131 11.2 9.0 13.4

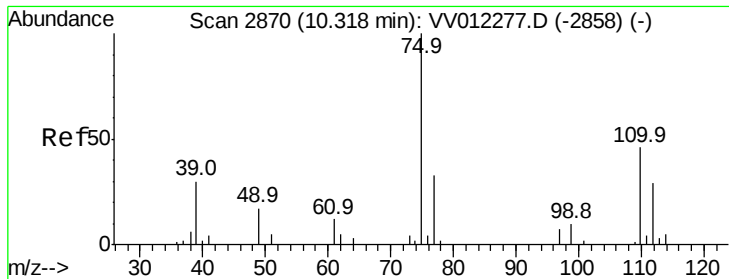


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

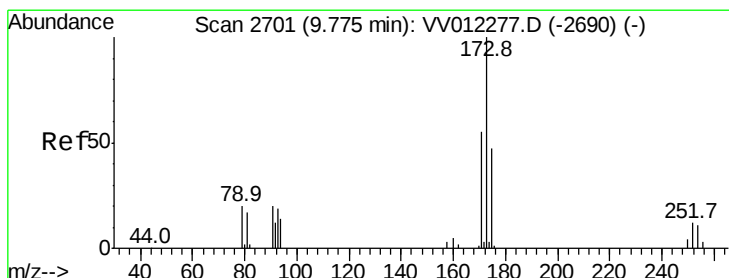
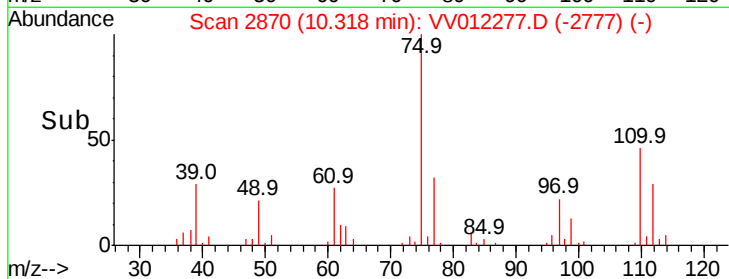
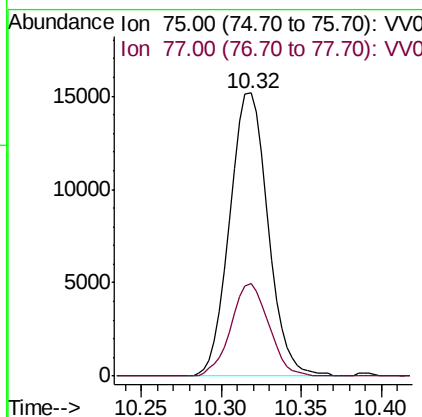
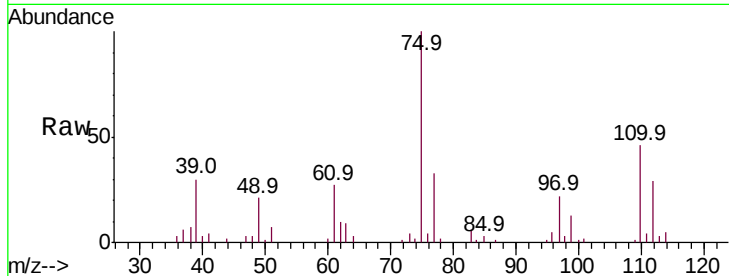




#59
 1,2,3-Trichloropropane
 Concen: 5.004 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV012277.D
 Acq: 19 Aug 2019 13:59

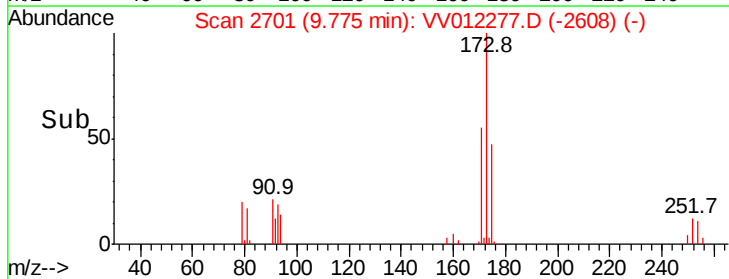
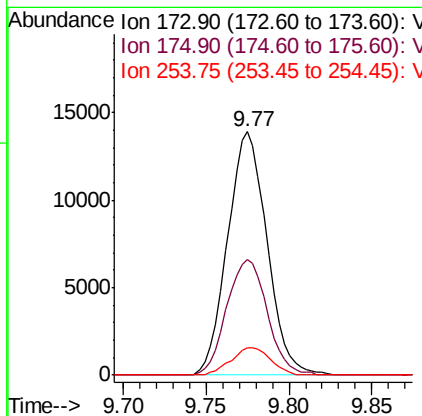
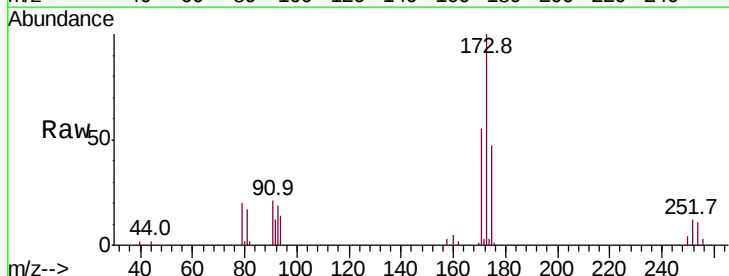
Instrument :
 MSVOA_V
 ClientSampleId :

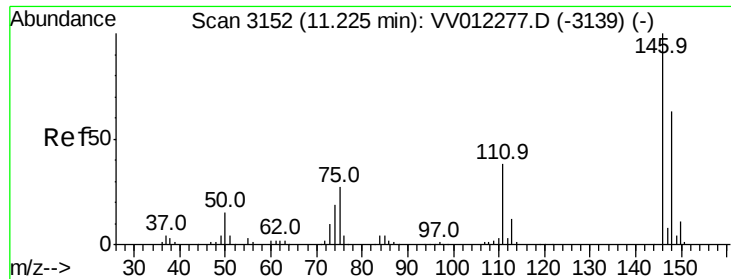
Tot Ion: 75 Resp: 24725
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.8 38.8



#61
 Bromoform
 Concen: 5.510 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV012277.D
 Acq: 19 Aug 2019 13:59

Tgt Ion:173 Resp: 22978
 Ion Ratio Lower Upper
 173 100
 175 48.6 38.9 58.3
 254 11.3 9.0 13.6





#62

1,3-Dichlorobenzene

Concen: 5.204 ug/L

RT: 11.22 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV012277.D

Acq: 19 Aug 2019 13:59

Instrument :

MSVOA_V

ClientSampled :

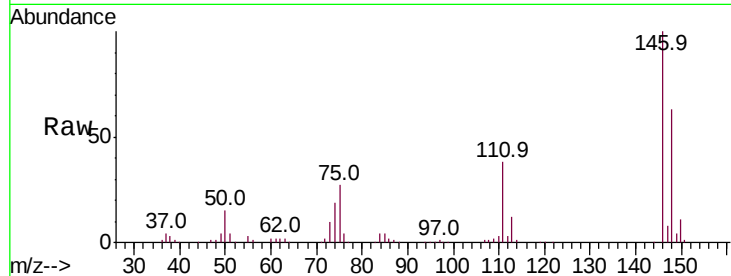
Tot Ion:146 Resp: 110676

Ion Ratio Lower Upper

146 100

111 38.3 26.8 49.8

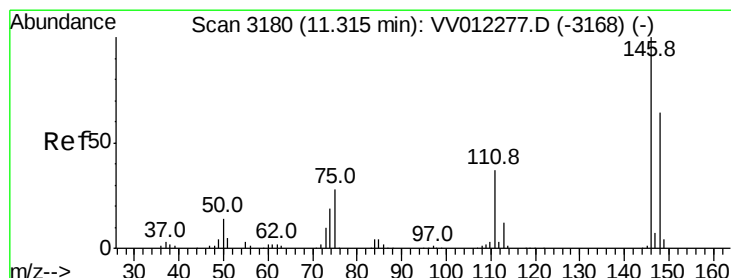
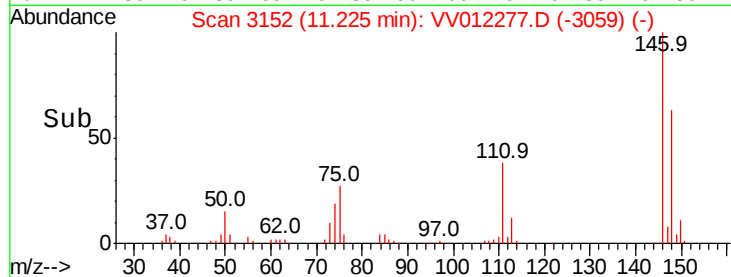
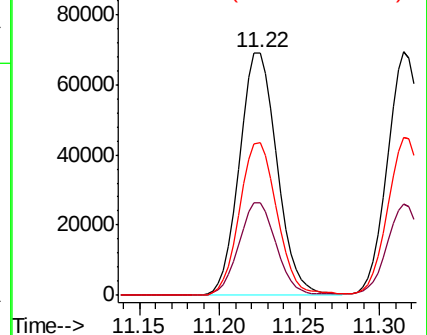
148 62.9 44.0 81.8



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: 5.202 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV012277.D

Acq: 19 Aug 2019 13:59

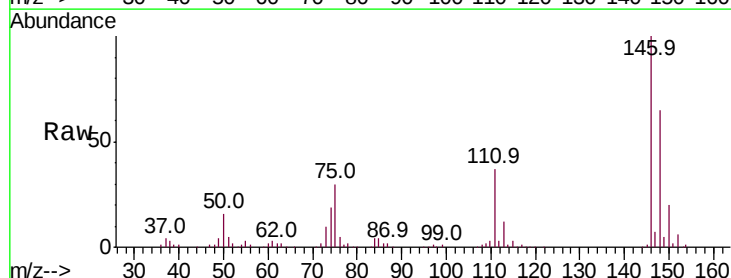
Tgt Ion:146 Resp: 110641

Ion Ratio Lower Upper

146 100

111 37.4 26.2 48.6

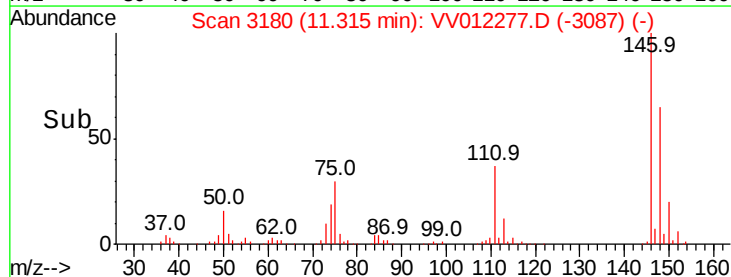
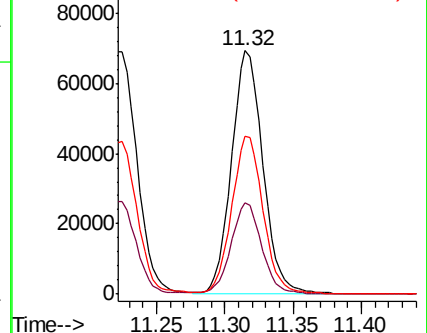
148 64.7 45.3 84.1

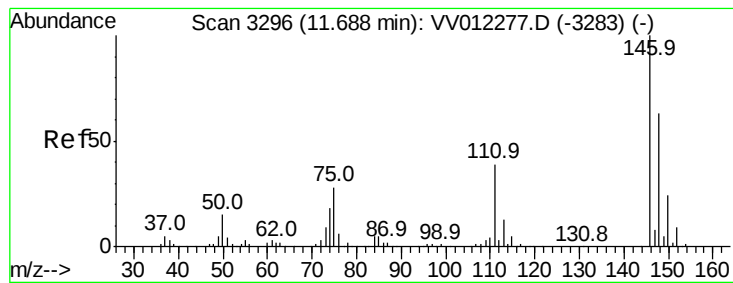


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.201 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV012277.D

Acq: 19 Aug 2019 13:59

Instrument :

MSVOA_V

ClientSampleId :

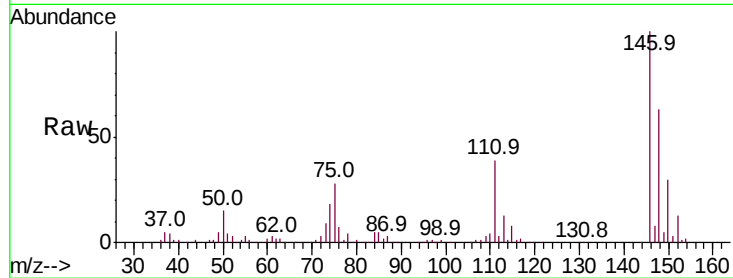
Tot Ion:146 Resp: 101620

Ion Ratio Lower Upper

146 100

111 39.2 31.4 47.0

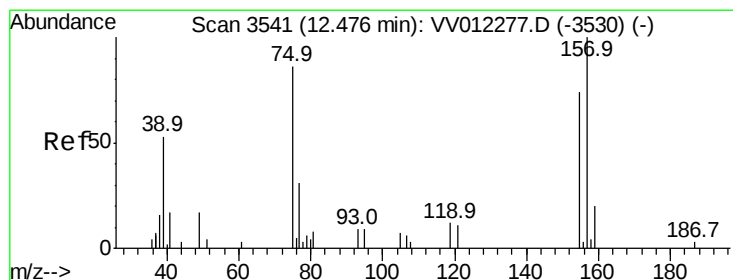
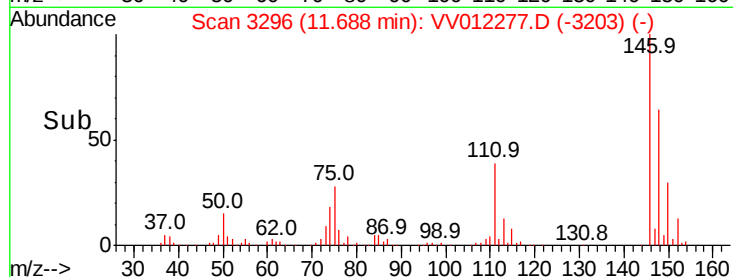
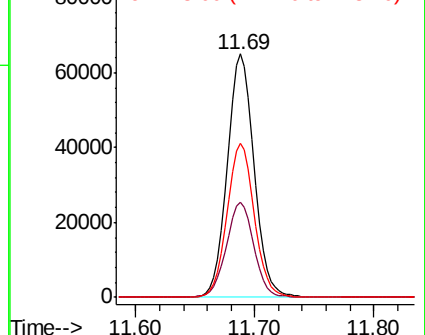
148 63.5 50.8 76.2



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: 4.616 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV012277.D

Acq: 19 Aug 2019 13:59

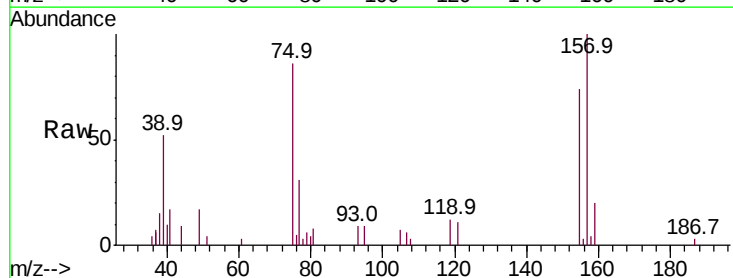
Tgt Ion: 75 Resp: 5703

Ion Ratio Lower Upper

75 100

155 85.5 68.4 102.6

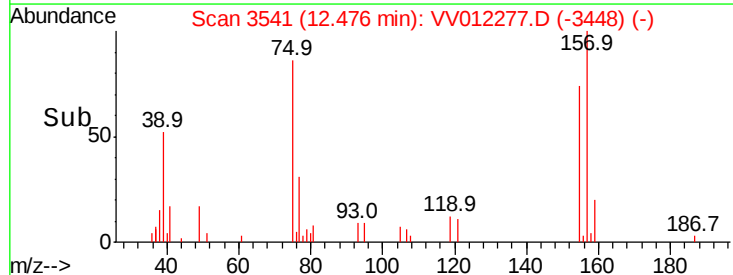
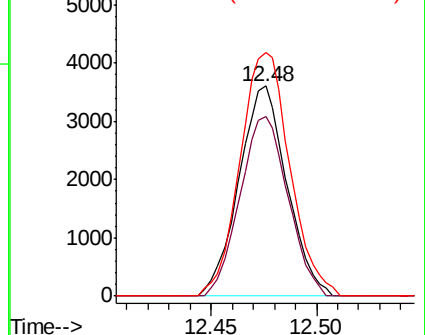
157 115.8 92.6 139.0

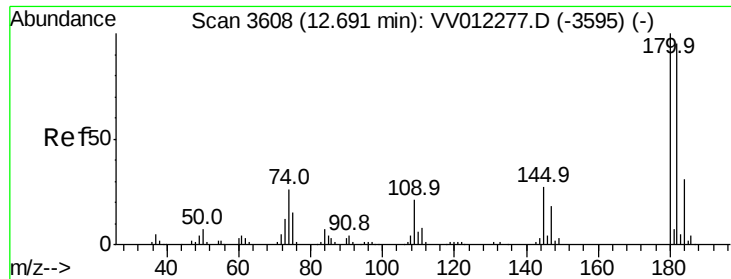


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

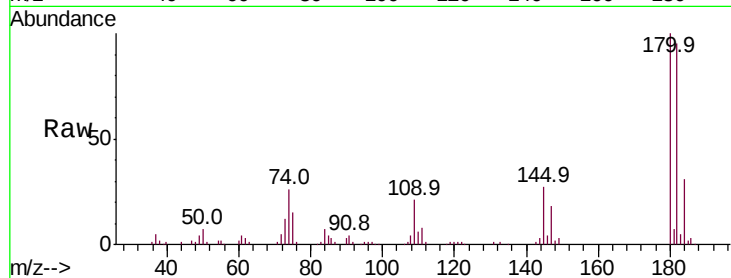




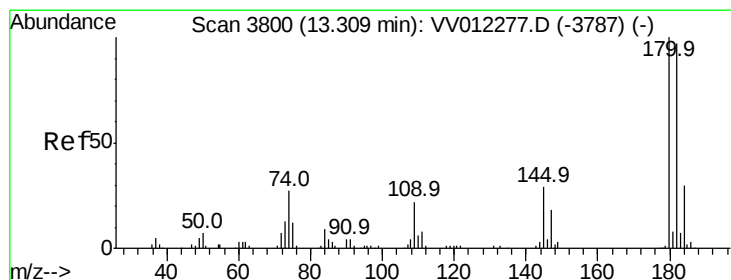
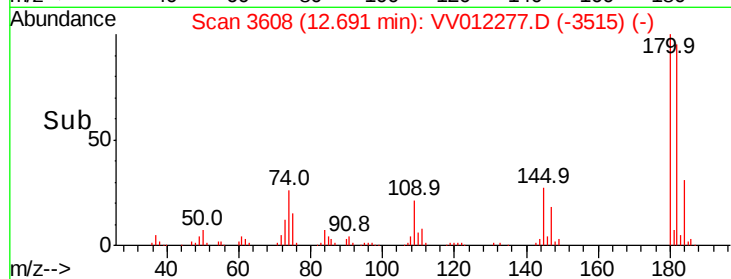
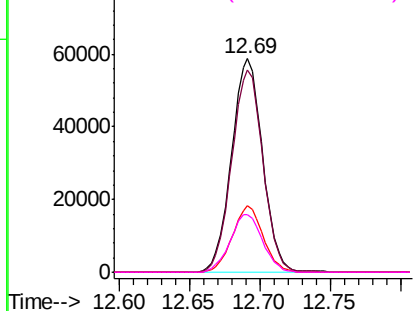
#67
 1,3,5-Trichlorobenzene
 Concen: 5.535 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV012277.D
 Acq: 19 Aug 2019 13:59

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	180	Resp:	90805
Ion	Ratio	Lower	Upper
180	100		
182	94.9	75.9	113.9
184	30.7	24.6	36.8
145	28.2	22.6	33.8

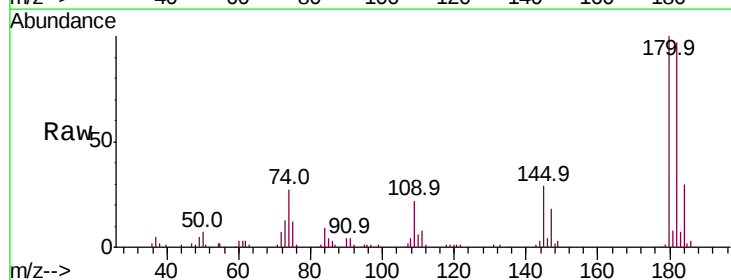


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

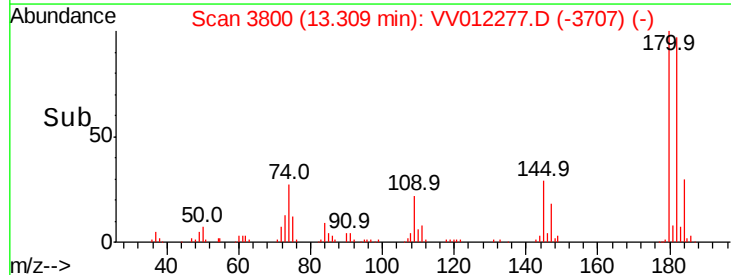
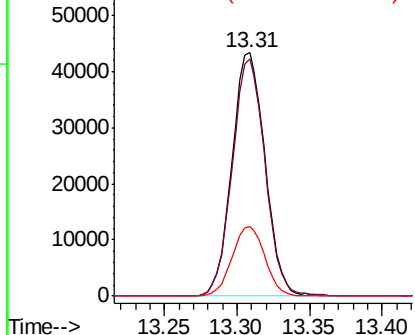


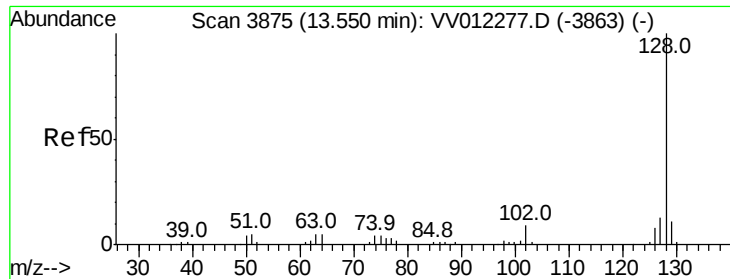
#68
 1,2,4-trichlorobenzene
 Concen: 5.614 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV012277.D
 Acq: 19 Aug 2019 13:59

Tgt Ion:	180	Resp:	68550
Ion	Ratio	Lower	Upper
180	100		
182	96.5	77.2	115.8
145	28.2	22.6	33.8



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: 5.280 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV012277.D

Acq: 19 Aug 2019 13:59

Instrument :

MSVOA_V

ClientSampleId :

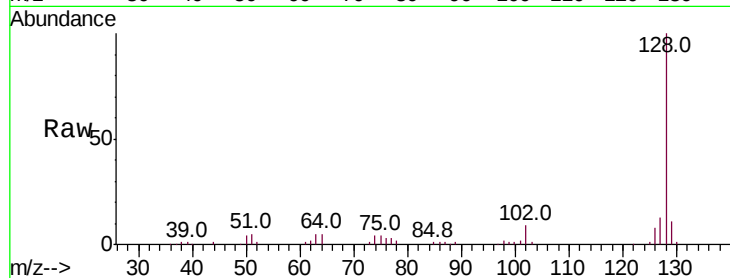
Tot Ion:128 Resp: 91030

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	13.1	10.5	15.7

128 100

129 10.9 8.7 13.1

127 13.1 10.5 15.7

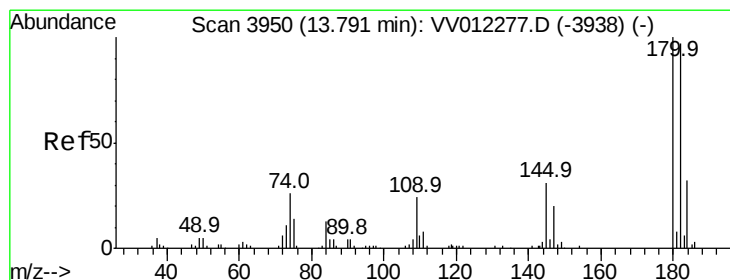
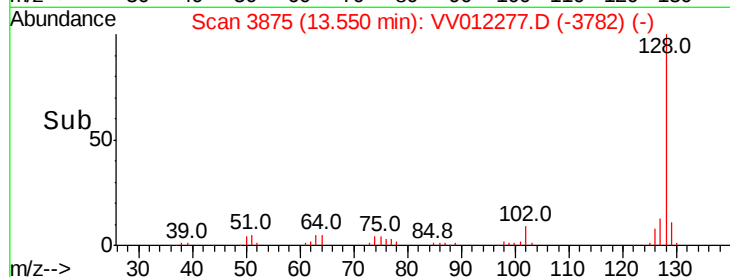
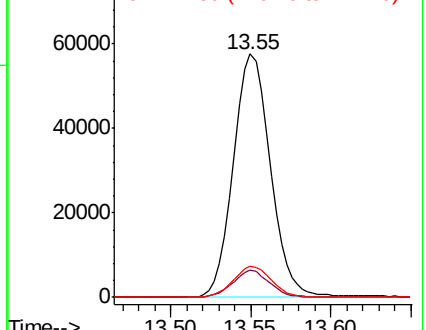


Abundance

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: 5.572 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV012277.D

Acq: 19 Aug 2019 13:59

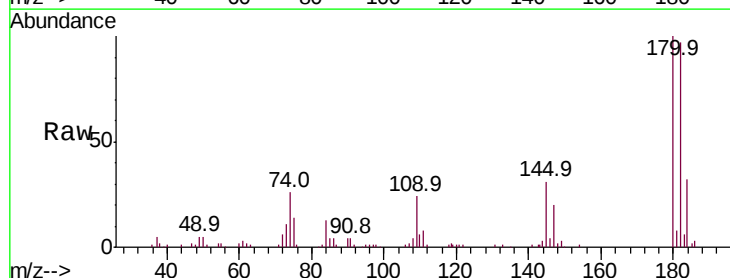
Tgt Ion:180 Resp: 63635

Ion	Ratio	Lower	Upper
180	100		
182	94.9	75.9	113.9
145	30.1	24.1	36.1

180 100

182 94.9 75.9 113.9

145 30.1 24.1 36.1



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

