

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100218\
 Data File : VV008042.D
 Acq On : 02 Oct 2018 21:40
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 03 05:37:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR092718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 03 05:34:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	92048	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	89897	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	48860	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	22736	4.61	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.20%
7) Chloroethane-d5	1.59	69	20487	4.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.20%
11) 1,1-Dichloroethene-d2	2.14	63	50472	4.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.60%
20) 2-Butanone-d5	3.97	46	71330	48.06	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.12%
24) Chloroform-d	4.41	84	56751	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.00%
26) 1,2-Dichloroethane-d4	5.09	65	29549	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
32) Benzene-d6	5.10	84	106310	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
36) 1,2-Dichloropropane-d6	6.13	67	33339	4.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.00%
41) Toluene-d8	7.36	98	106093	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.20%
43) trans-1,3-Dichloropropene-	7.67	79	12113	4.62	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.40%
46) 2-Hexanone-d5	8.14	63	55189	47.73	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.46%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	25280	4.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.40%
64) 1,2-Dichlorobenzene-d4	11.68	152	43582	4.61	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	38291	4.960	ug/L 97
3) Chloromethane	1.25	50	33675	4.902	ug/L 98
5) Vinyl chloride	1.32	62	36790	5.003	ug/L 95
6) Bromomethane	1.54	94	20992	4.628	ug/L 99
8) Chloroethane	1.60	64	22827	5.147	ug/L 98
9) Trichlorofluoromethane	1.77	101	60555	5.044	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	34289	5.036	ug/L 98
12) 1,1-Dichloroethene	2.14	96	30122	4.951	ug/L 95
13) Acetone	2.22	43	51061	47.217	ug/L 99
14) Carbon disulfide	2.32	76	73918	4.482	ug/L 100
15) Methyl Acetate	2.47	43	13415	4.851	ug/L 99
16) Methylene chloride	2.54	84	33574	4.966	ug/L 94
17) Methyl tert-butyl Ether	2.81	73	76303	5.076	ug/L 100
18) trans-1,2-Dichloroethene	2.79	96	32771	4.886	ug/L 98
19) 1,1-Dichloroethane	3.23	63	60261	5.266	ug/L 99
21) 2-Butanone	4.06	43	87664	50.881	ug/L 99
22) cis-1,2-Dichloroethene	3.96	96	35841	5.278	ug/L 97

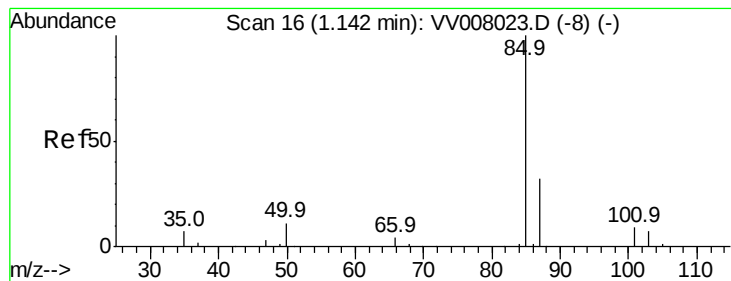
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100218\
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 03 05:34:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	16659	5.641	ug/L	96
25) Chloroform	4.43	83	66211	5.350	ug/L	99
27) 1,2-Dichloroethane	5.19	62	40402	5.072	ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	57862	5.353	ug/L	100
30) Cyclohexane	4.72	56	48501	4.773	ug/L	99
31) Carbon tetrachloride	4.88	117	51677	5.423	ug/L	98
33) Benzene	5.15	78	137805	5.353	ug/L	100
34) Trichloroethene	5.96	95	37204	5.047	ug/L	93
35) Methylcyclohexane	6.18	83	52761	4.774	ug/L	99
37) 1,2-Dichloropropane	6.23	63	36157	5.498	ug/L	100
38) Bromodichloromethane	6.56	83	43675	5.554	ug/L	98
39) cis-1,3-Dichloropropene	7.08	75	44976	5.113	ug/L	98
40) 4-Methyl-2-pentanone	7.29	43	216379	52.423	ug/L	99
42) Toluene	7.43	91	152278	5.432	ug/L	97
44) trans-1,3-Dichloropropene	7.70	75	38501	5.265	ug/L	97
45) 1,1,2-Trichloroethane	7.89	97	25306	5.332	ug/L	97
47) Tetrachloroethene	8.02	164	35199	5.153	ug/L	99
48) 2-Hexanone	8.19	43	154718	53.895	ug/L	99
49) Dibromochloromethane	8.30	129	30073	5.551	ug/L	97
50) 1,2-Dibromoethane	8.40	107	23607	5.442	ug/L	99
51) Chlorobenzene	8.93	112	101947	5.265	ug/L	99
52) Ethylbenzene	9.06	91	163319	5.222	ug/L	100
53) m,p-xylene	9.19	106	62773	5.271	ug/L	96
54) o-xylene	9.59	106	60299	5.242	ug/L	100
55) Styrene	9.61	104	105283	5.360	ug/L	98
56) Isopropylbenzene	9.98	105	164849	5.292	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	29950	5.373	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	21817	5.332	ug/L	99
61) Bromoform	9.78	173	16463	5.610	ug/L	97
62) 1,3-Dichlorobenzene	11.23	146	83269	5.162	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	85401	5.092	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	81782	5.378	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	4224	5.453	ug/L	94
67) 1,3,5-Trichlorobenzene	12.70	180	71224	5.157	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	56197	4.814	ug/L	100
69) Naphthalene	13.56	128	74151	4.541	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	53199	5.032	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 4.960 ug/L

RT: 1.14 min Scan# 16

Delta R.T. -0.00 min

Lab File: VV008042.D

Acq: 02 Oct 2018 21:40

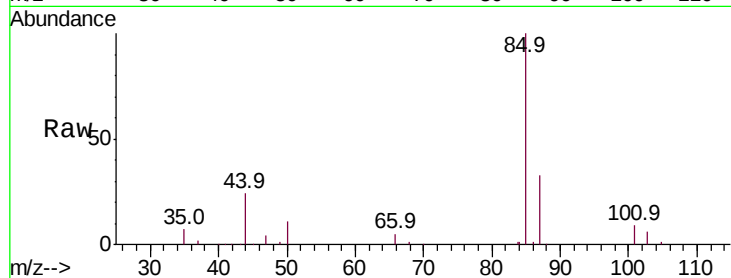
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 38291

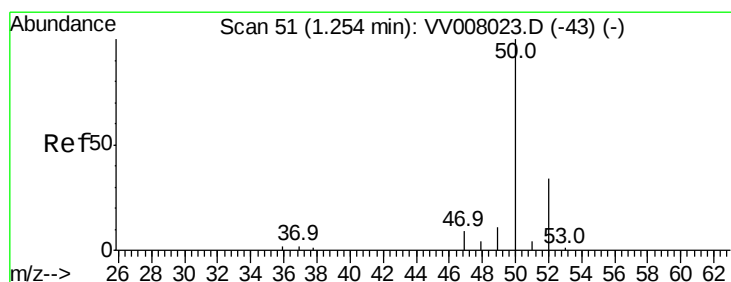
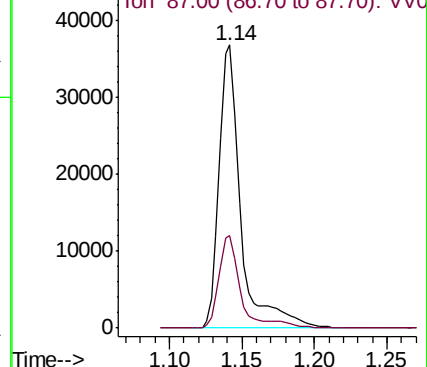
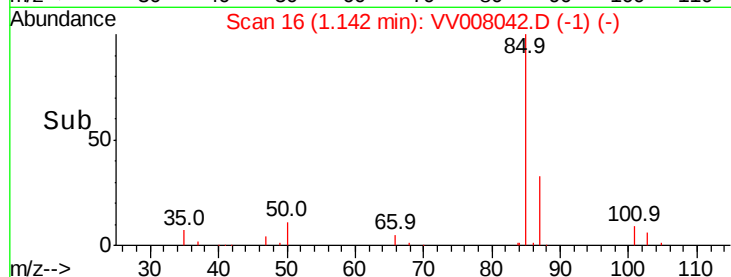
Ion Ratio Lower Upper

85 100

87 32.9 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VV008042.D (-1) (-)



#3

Chloromethane

Concen: 4.902 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV008042.D

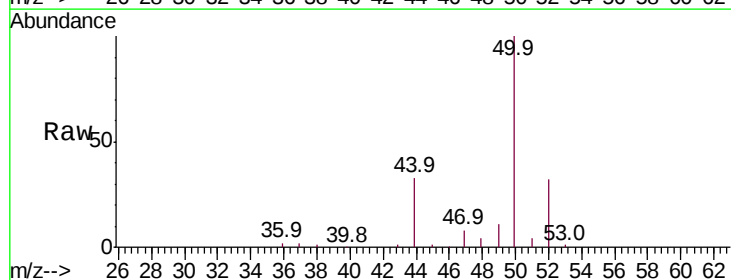
Acq: 02 Oct 2018 21:40

Tgt Ion: 50 Resp: 33675

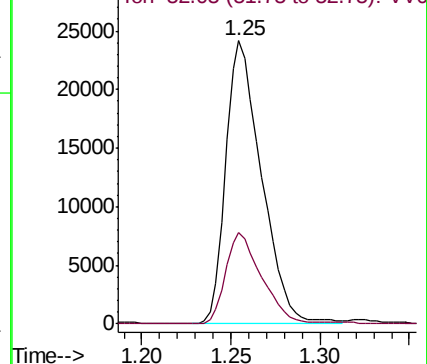
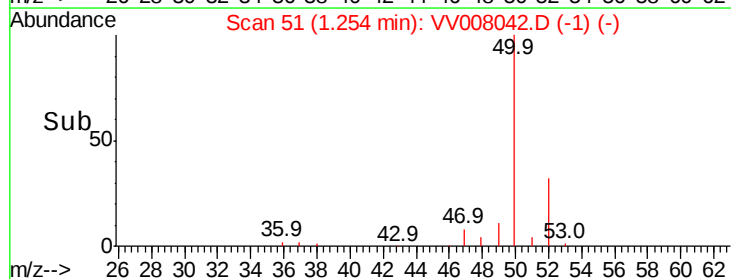
Ion Ratio Lower Upper

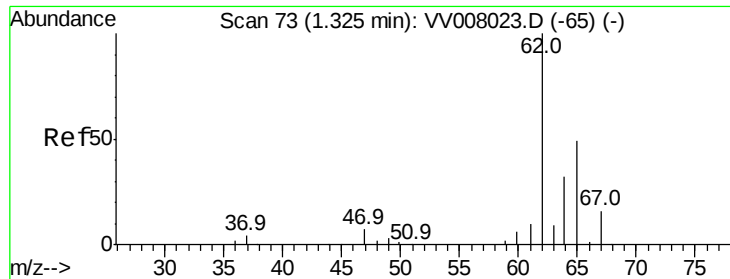
50 100

52 32.2 23.4 43.4



Abundance Ion 50.05 (49.75 to 50.75): VV008042.D (-1) (-)





#5

Vinyl chloride

Concen: 5.003 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV008042.D

Acq: 02 Oct 2018 21:40

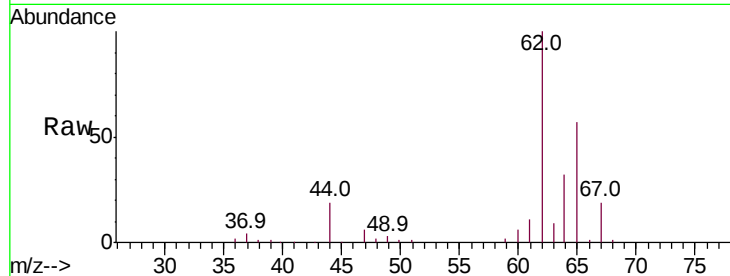
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 36790

Ion Ratio Lower Upper

62 100

64 31.6 24.0 44.6



Abundance Ion 62.00 (61.70 to 62.70): VV008023.D (-65) (-)

Ion 64.10 (63.80 to 64.80): VV008023.D (-65) (-)

1.32

40000

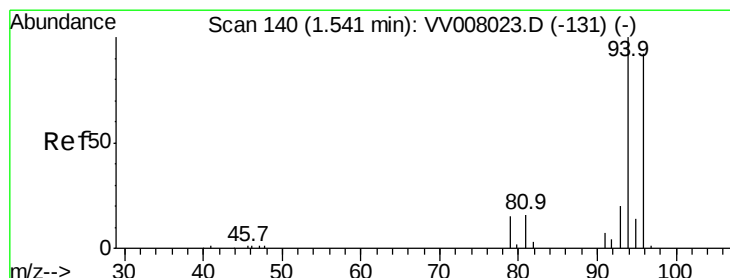
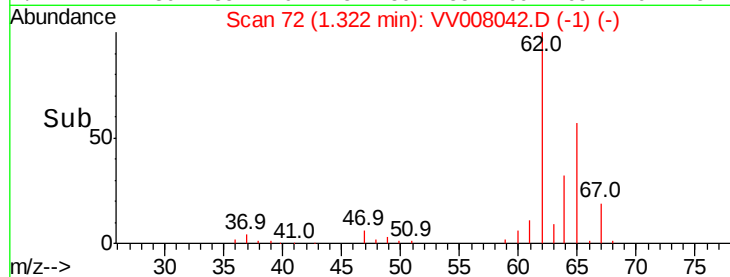
30000

20000

10000

0

Time--> 1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 4.628 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV008042.D

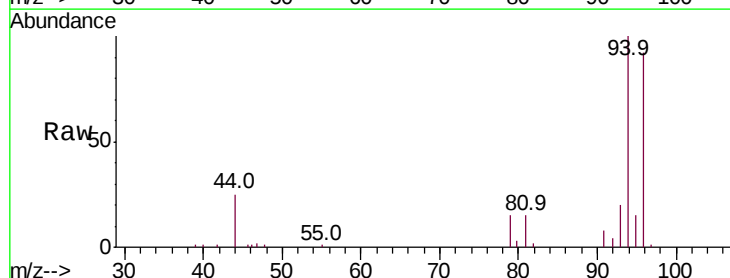
Acq: 02 Oct 2018 21:40

Tgt Ion: 94 Resp: 20992

Ion Ratio Lower Upper

94 100

96 91.9 65.2 121.2



Abundance Ion 94.00 (93.70 to 94.70): VV008023.D (-131) (-)

Ion 96.00 (95.70 to 96.70): VV008023.D (-131) (-)

1.54

20000

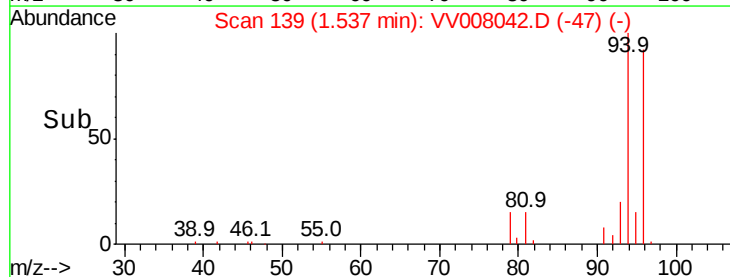
15000

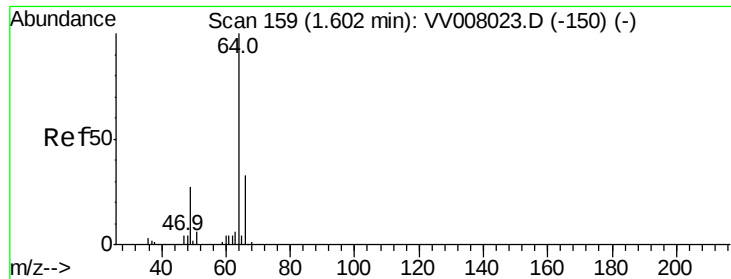
10000

5000

0

Time--> 1.50 1.55 1.60

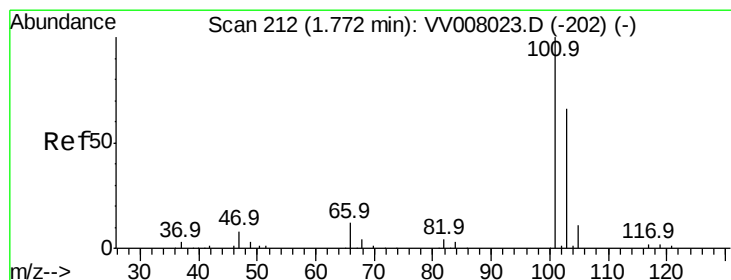
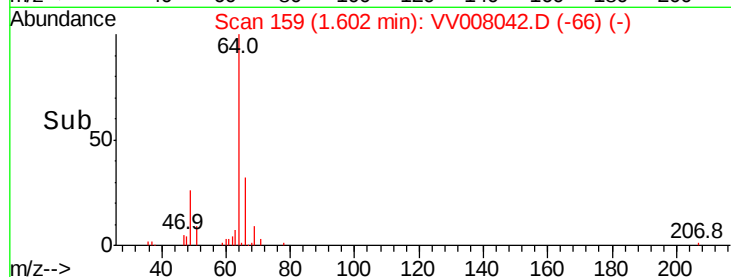
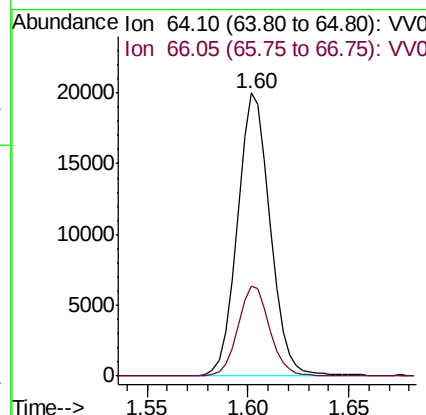
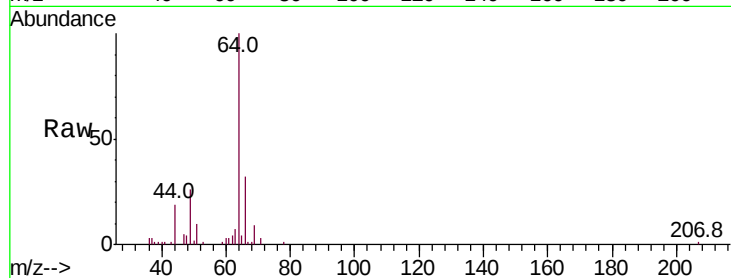




#8
Chloroethane
Concen: 5.147 ug/L
RT: 1.60 min Scan# 159
Delta R.T. -0.00 min
Lab File: VV008042.D
Acq: 02 Oct 2018 21:40

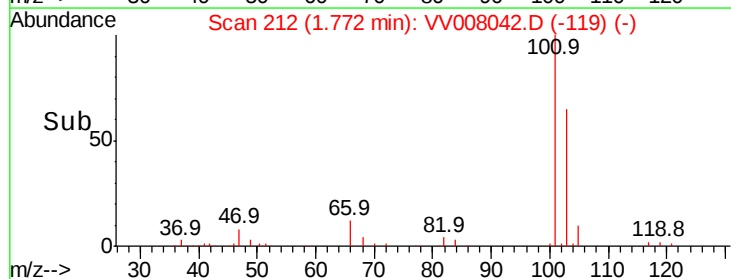
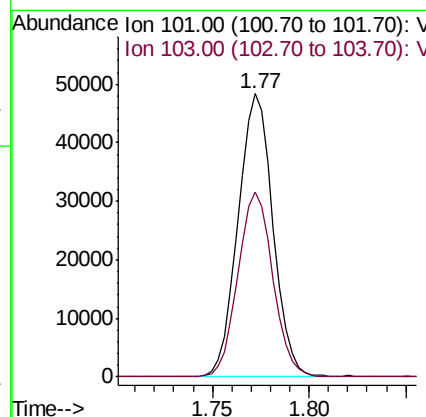
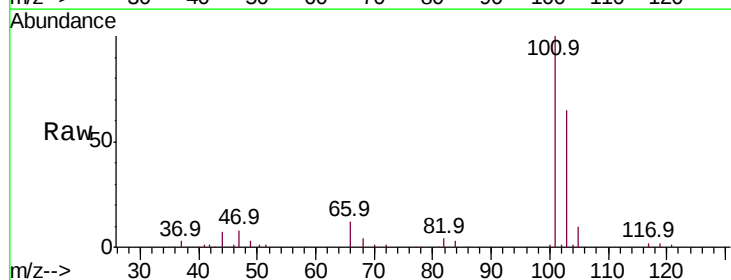
Instrument :
MSVOA_V
ClientSampled :

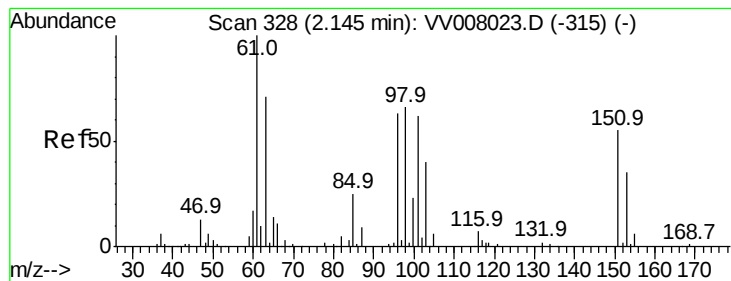
Tot Ion: 64 Resp: 22827
Ion Ratio Lower Upper
64 100
66 32.0 23.1 42.9



#9
Trichlorofluoromethane
Concen: 5.044 ug/L
RT: 1.77 min Scan# 212
Delta R.T. -0.00 min
Lab File: VV008042.D
Acq: 02 Oct 2018 21:40

Tgt Ion: 101 Resp: 60555
Ion Ratio Lower Upper
101 100
103 65.2 51.5 77.3





#10

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

Concen: 5.036 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV008042.D

Acq: 02 Oct 2018 21:40

Instrument :

MSVOA_V

ClientSampled :

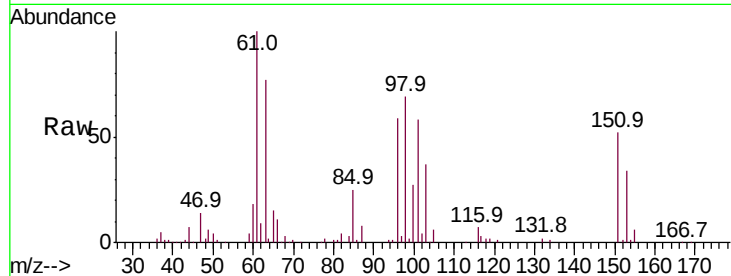
Tot Ion:101 Resp: 34289

Ion Ratio Lower Upper

101 100

85 42.8 34.7 52.1

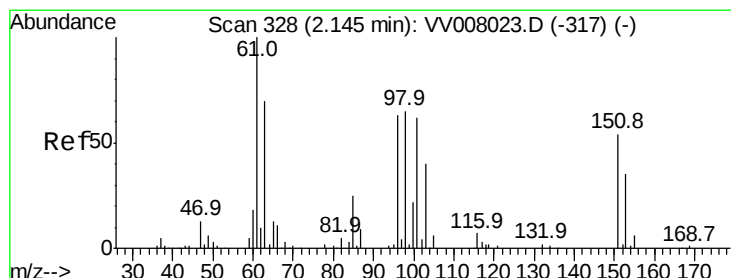
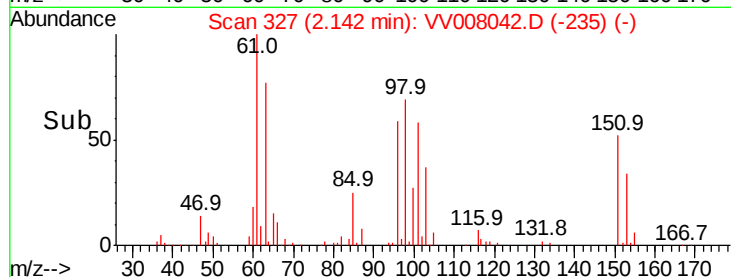
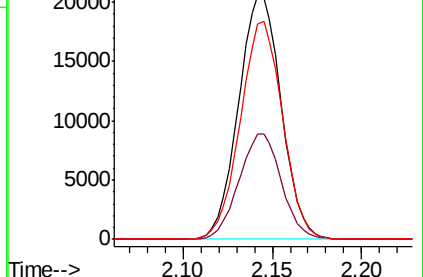
151 88.5 72.2 108.2



Abundance Ion 101.00 (100.70 to 101.70): VV008023.D (-315) (-)

Ion 85.00 (84.70 to 85.70): VV008023.D (-315) (-)

Ion 151.00 (150.70 to 151.70): VV008023.D (-315) (-)



#12

1,1-Dichloroethene

Concen: 4.951 ug/L

RT: 2.14 min Scan# 328

Delta R.T. -0.00 min

Lab File: VV008042.D

Acq: 02 Oct 2018 21:40

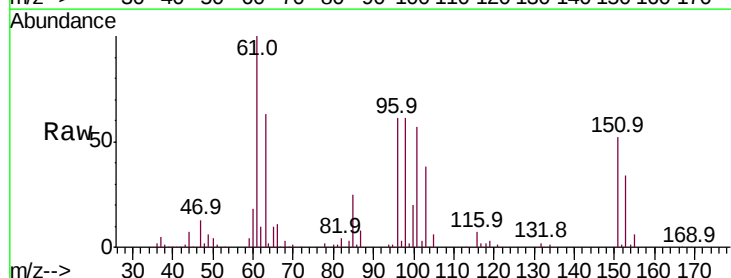
Tgt Ion: 96 Resp: 30122

Ion Ratio Lower Upper

96 100

61 163.7 114.1 211.9

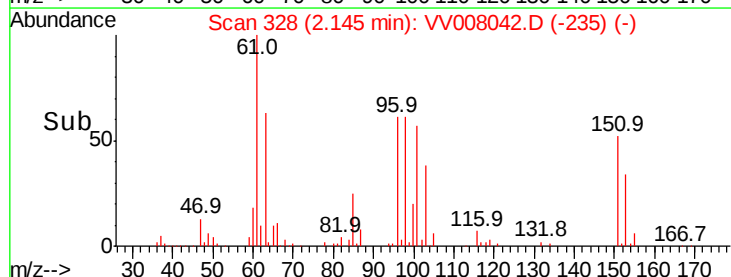
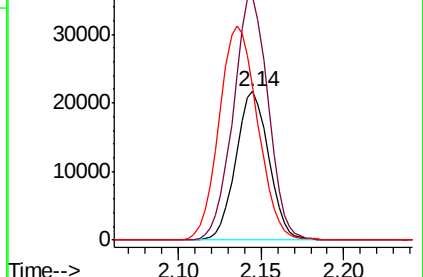
63 103.8 81.5 151.3

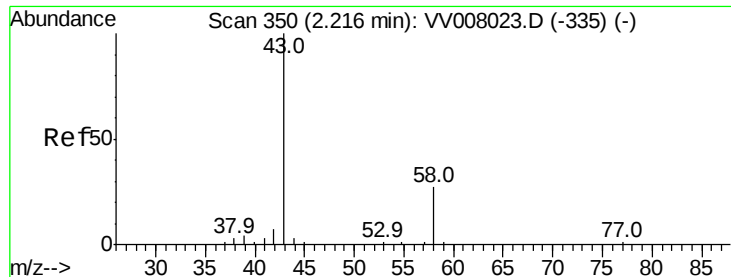


Abundance Ion 96.00 (95.70 to 96.70): VV008023.D (-317) (-)

Ion 61.05 (60.75 to 61.75): VV008023.D (-317) (-)

Ion 63.00 (62.70 to 63.70): VV008023.D (-317) (-)





#13

Acetone

Concen: 47.217 ug/L

RT: 2.22 min Scan# 351

Delta R.T. 0.00 min

Lab File: VV008042.D

Acq: 02 Oct 2018 21:40

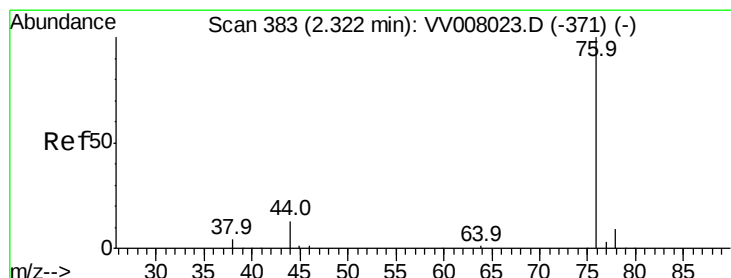
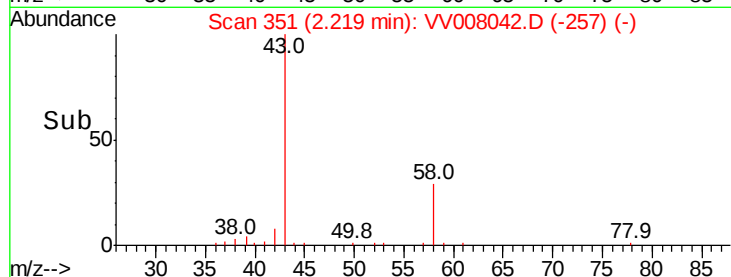
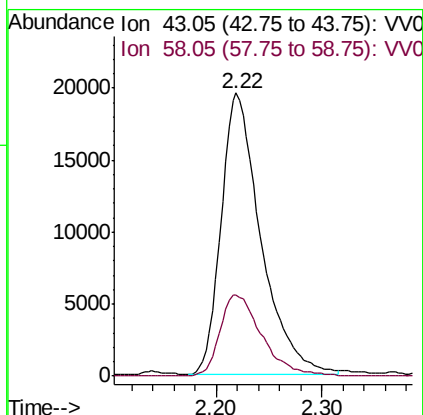
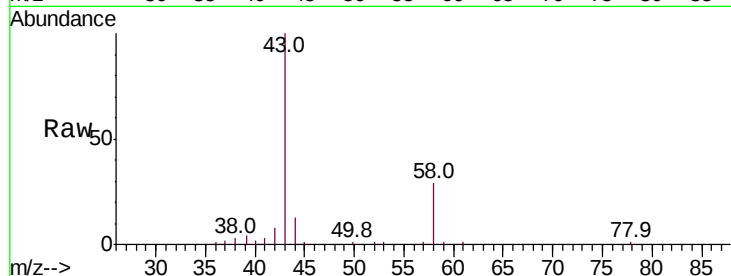
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 51061

Ion Ratio Lower Upper

43 100

58 30.5 0.0 62.0



#14

Carbon disulfide

Concen: 4.482 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.00 min

Lab File: VV008042.D

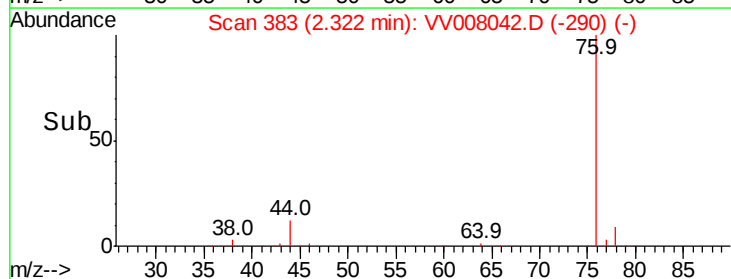
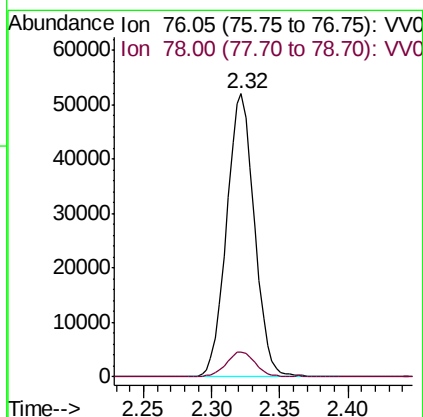
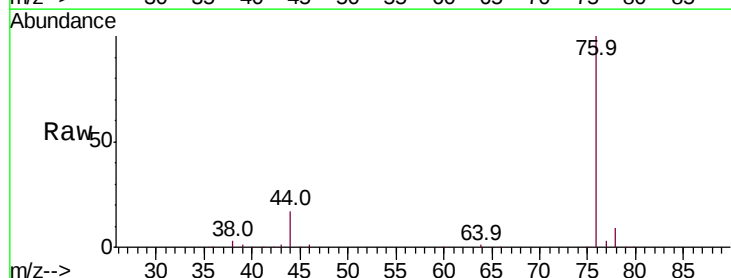
Acq: 02 Oct 2018 21:40

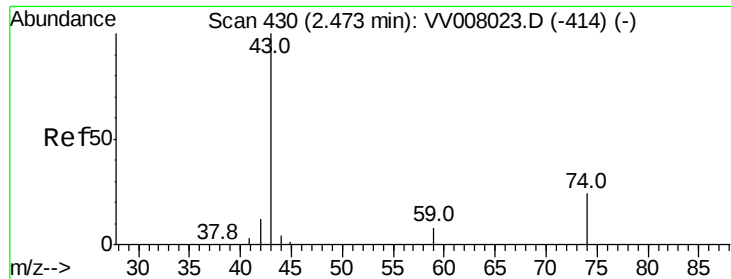
Tgt Ion: 76 Resp: 73918

Ion Ratio Lower Upper

76 100

78 8.9 7.2 10.8

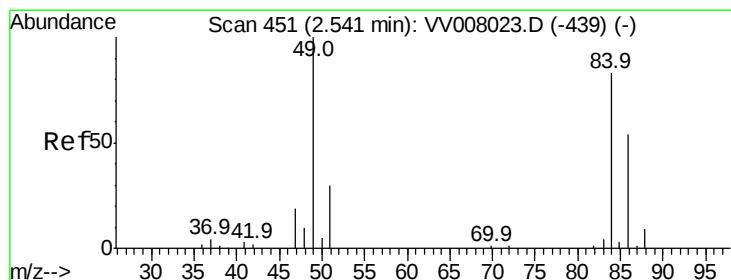
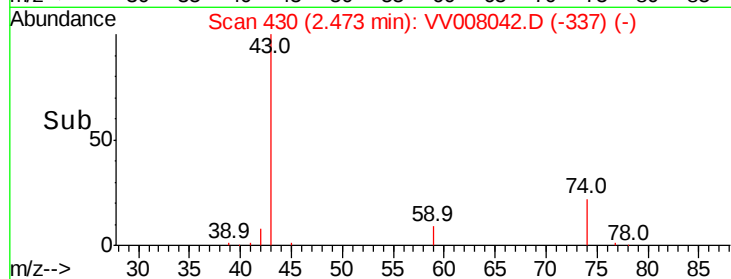
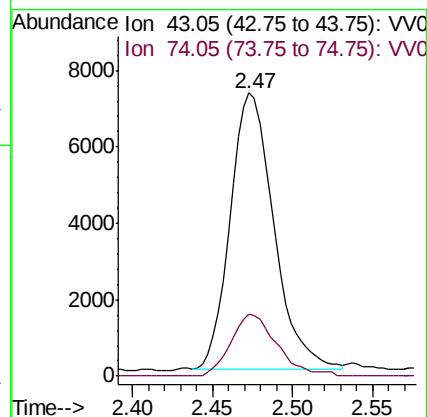
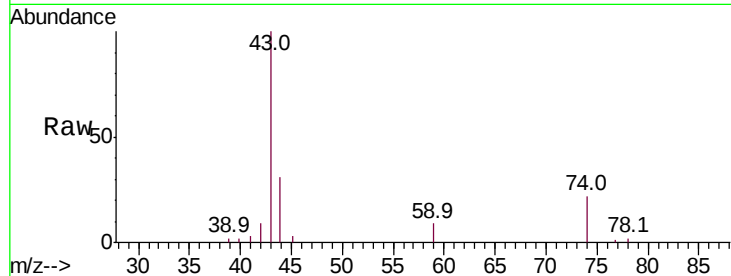




#15
Methvl Acetate
Concen: 4.851 ug/L
RT: 2.47 min Scan# 430
Delta R.T. -0.00 min
Lab File: VV008042.D
Acq: 02 Oct 2018 21:40

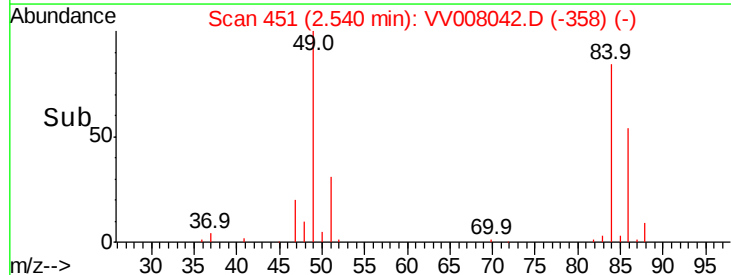
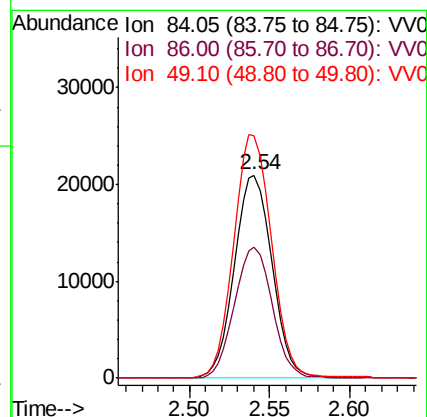
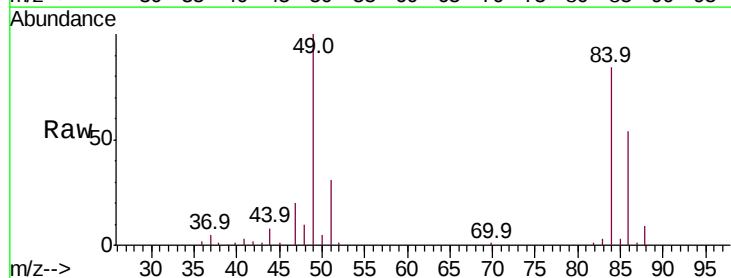
Instrument :
MSVOA_V
ClientSampleId :

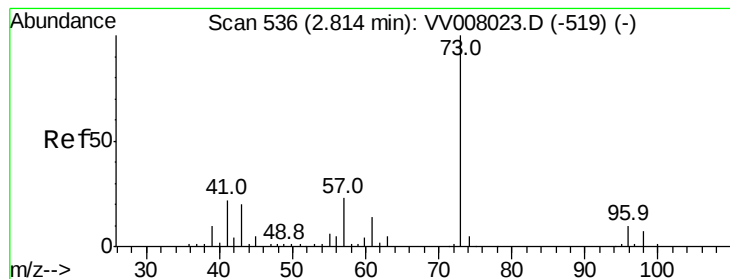
Tot Ion: 43 Resp: 13415
Ion Ratio Lower Upper
43 100
74 23.7 19.5 29.3



#16
Methylene chloride
Concen: 4.966 ug/L
RT: 2.54 min Scan# 451
Delta R.T. -0.00 min
Lab File: VV008042.D
Acq: 02 Oct 2018 21:40

Tgt Ion: 84 Resp: 33574
Ion Ratio Lower Upper
84 100
86 64.7 47.3 87.8
49 119.4 90.0 167.2



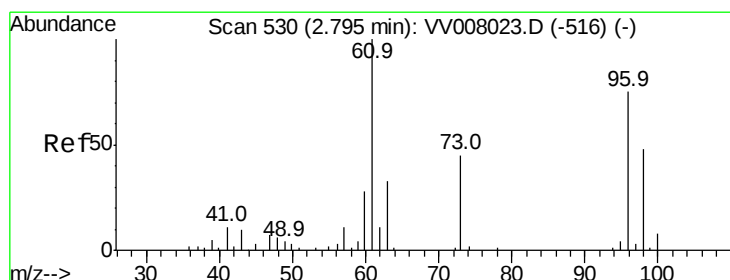
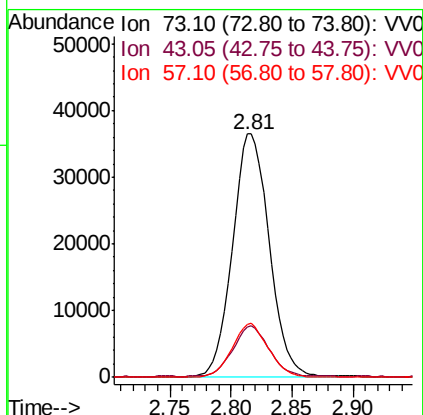
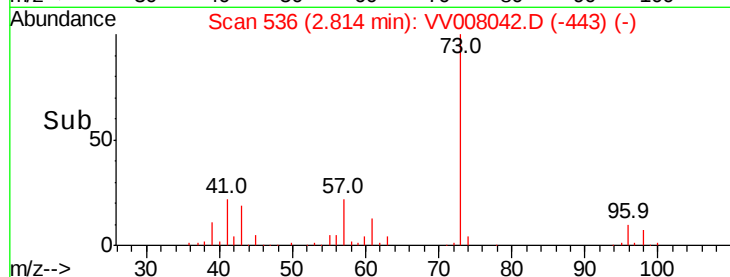
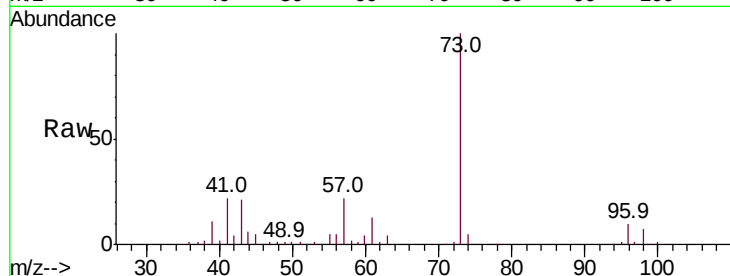


#17

Methvl tert-butvl Ether
 Concen: 5.076 ug/L
 RT: 2.81 min Scan# 536
 Delta R.T. -0.00 min
 Lab File: VV008042.D
 Acq: 02 Oct 2018 21:40

Instrument :
 MSVOA_V
 ClientSampleId :

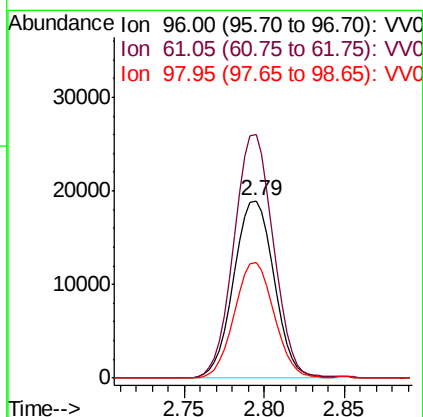
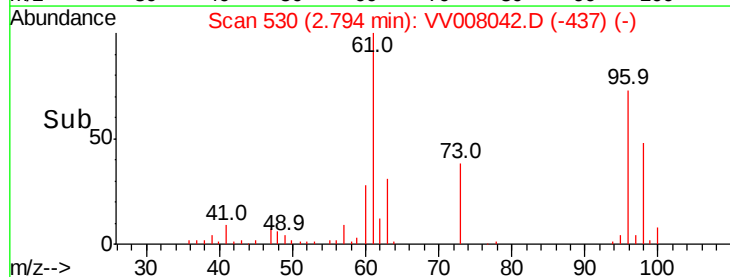
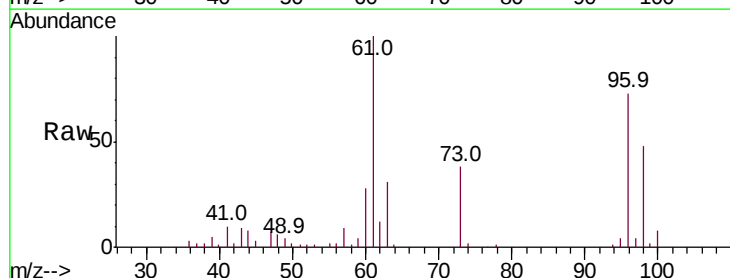
Tot Ion: 73 Resp: 76303
 Ion Ratio Lower Upper
 73 100
 43 20.7 16.8 25.2
 57 21.9 17.6 26.4

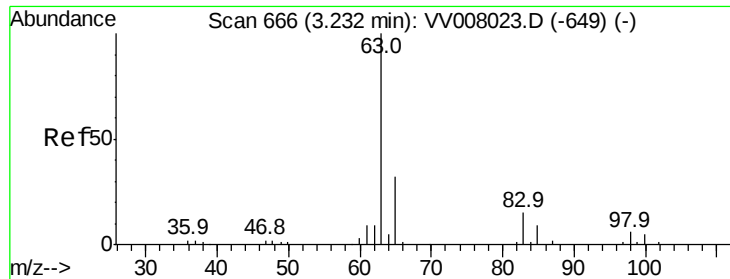


#18

trans-1,2-Dichloroethene
 Concen: 4.886 ug/L
 RT: 2.79 min Scan# 530
 Delta R.T. -0.00 min
 Lab File: VV008042.D
 Acq: 02 Oct 2018 21:40

Tgt Ion: 96 Resp: 32771
 Ion Ratio Lower Upper
 96 100
 61 137.0 94.2 175.0
 98 65.2 44.9 83.5

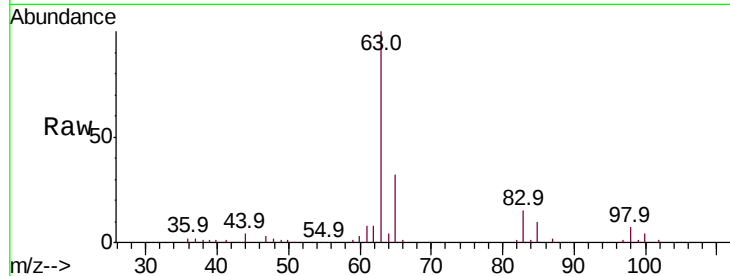




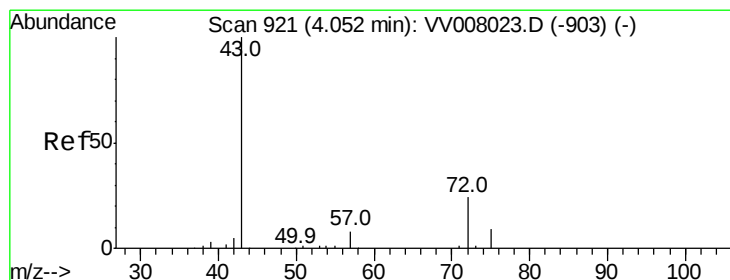
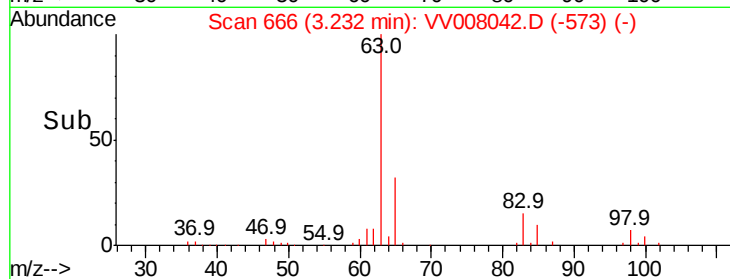
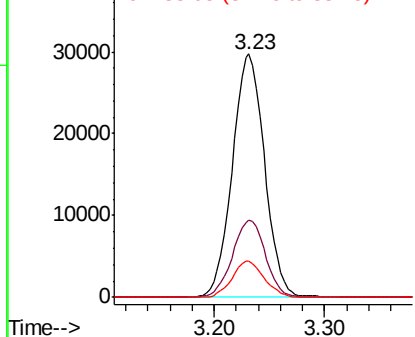
#19
 1,1-Dichloroethane
 Concen: 5.266 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VV008042.D
 Acq: 02 Oct 2018 21:40

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 63 Resp: 60261
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.3 41.5
 83 14.7 9.8 18.2

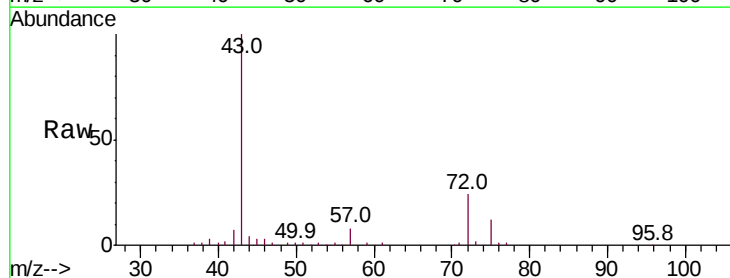


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

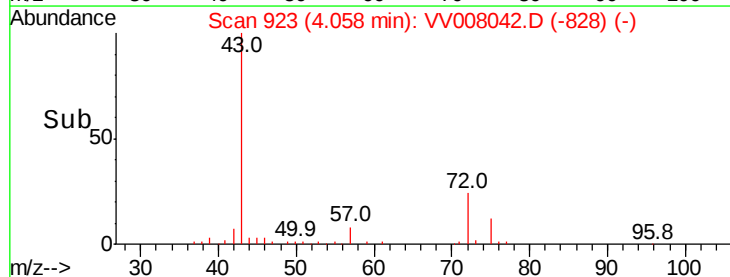
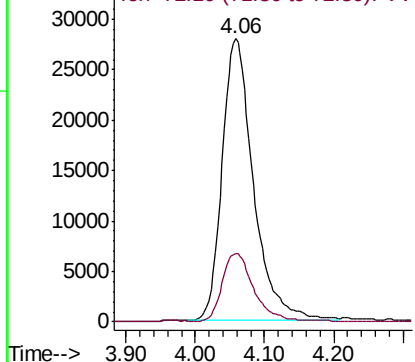


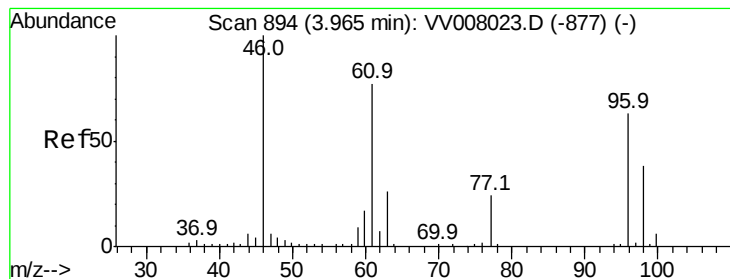
#21
 2-Butanone
 Concen: 50.881 ug/L
 RT: 4.06 min Scan# 923
 Delta R.T. 0.01 min
 Lab File: VV008042.D
 Acq: 02 Oct 2018 21:40

Tgt Ion: 43 Resp: 87664
 Ion Ratio Lower Upper
 43 100
 72 24.6 12.5 37.5



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



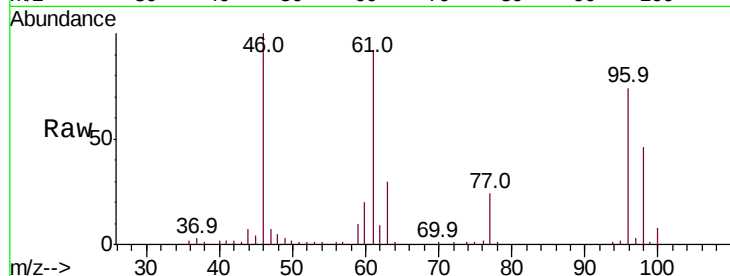


#22

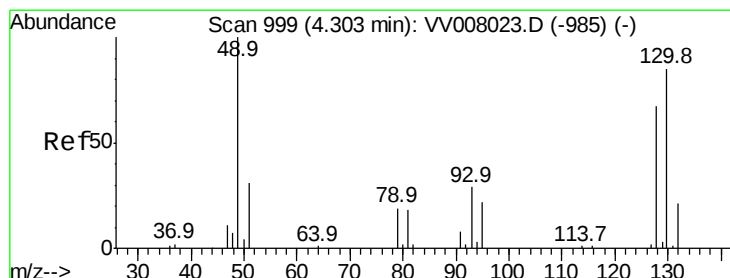
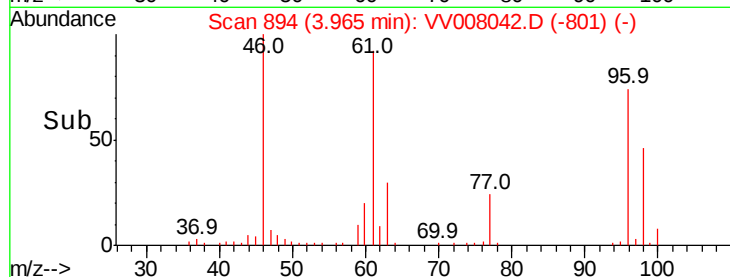
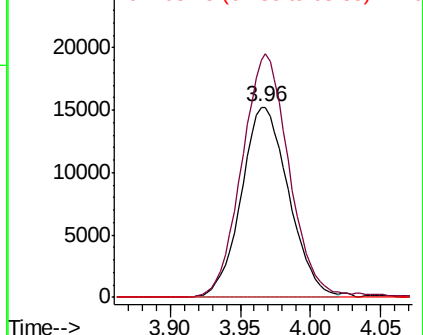
cis-1,2-Dichloroethene
 Concen: 5.278 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. -0.00 min
 Lab File: VV008042.D
 Acq: 02 Oct 2018 21:40

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 96 Resp: 35841
 Ion Ratio Lower Upper
 96 100
 61 124.2 89.5 166.1
 68 0.0 0.0 0.0



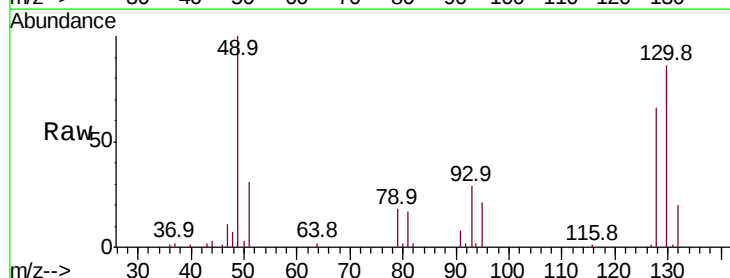
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



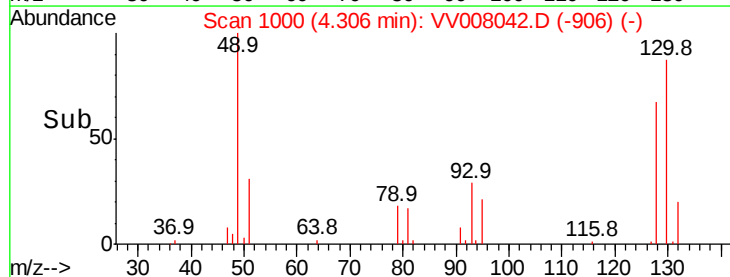
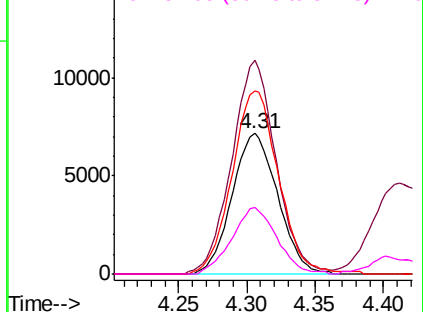
#23

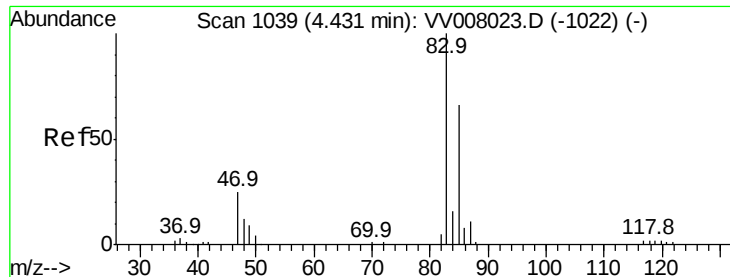
Bromochloromethane
 Concen: 5.641 ug/L
 RT: 4.31 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VV008042.D
 Acq: 02 Oct 2018 21:40

Tgt Ion: 128 Resp: 16659
 Ion Ratio Lower Upper
 128 100
 49 151.9 112.8 209.4
 130 130.6 92.3 171.5
 51 47.3 38.4 57.6



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

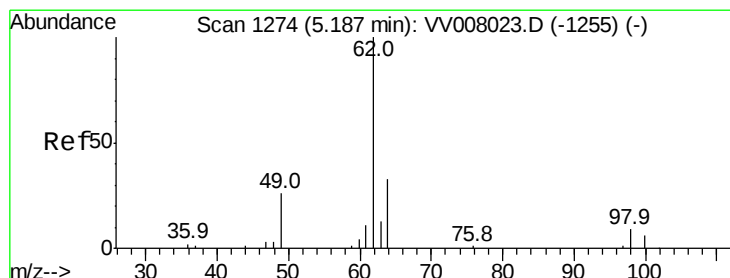
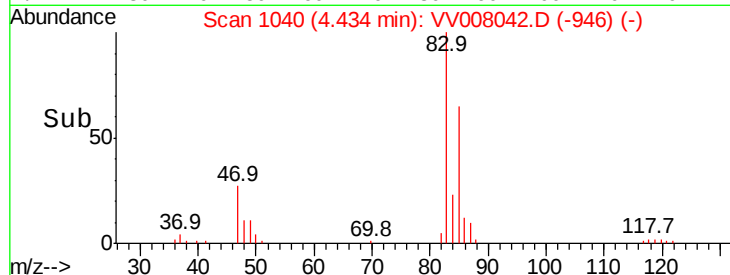
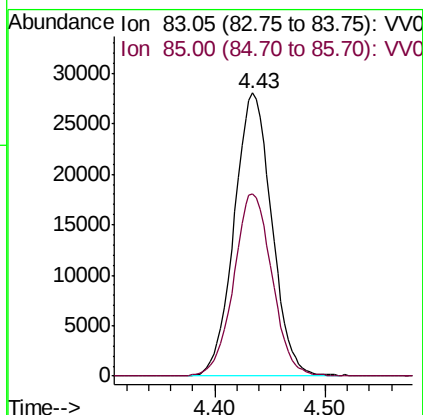
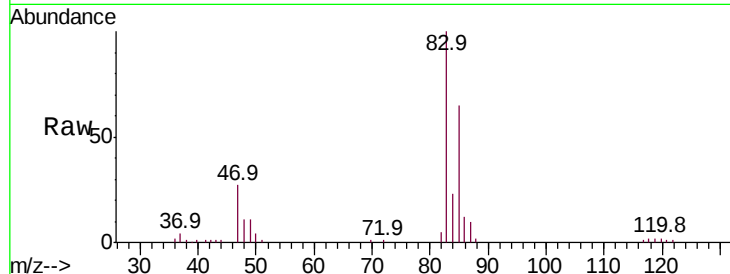




#25
Chloroform
Concen: 5.350 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. 0.00 min
Lab File: VV008042.D
Acq: 02 Oct 2018 21:40

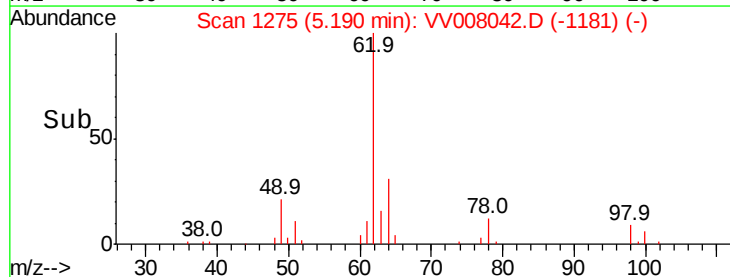
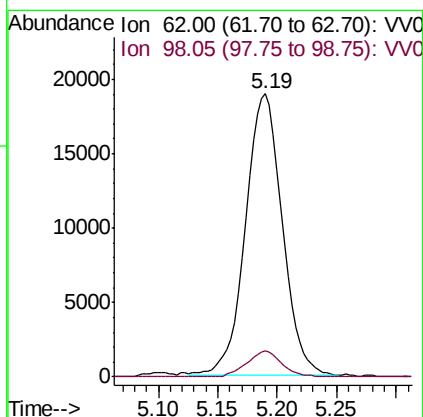
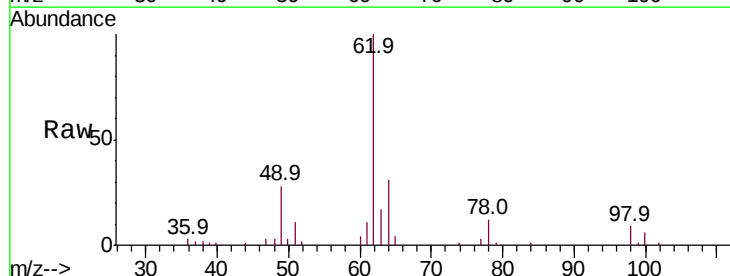
Instrument :
MSVOA_V
ClientSampled :

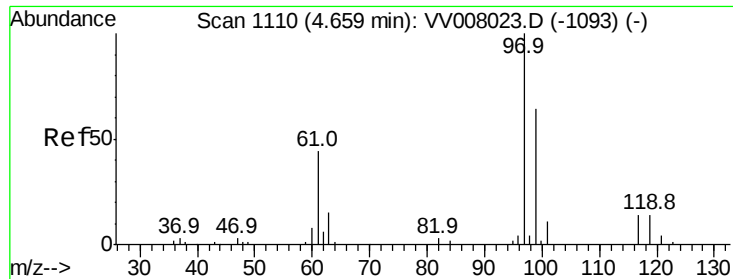
Tot Ion: 83 Resp: 66211
Ion Ratio Lower Upper
83 100
85 64.5 44.8 83.2



#27
1,2-Dichloroethane
Concen: 5.072 ug/L
RT: 5.19 min Scan# 1275
Delta R.T. 0.00 min
Lab File: VV008042.D
Acq: 02 Oct 2018 21:40

Tgt Ion: 62 Resp: 40402
Ion Ratio Lower Upper
62 100
98 9.2 6.6 10.0

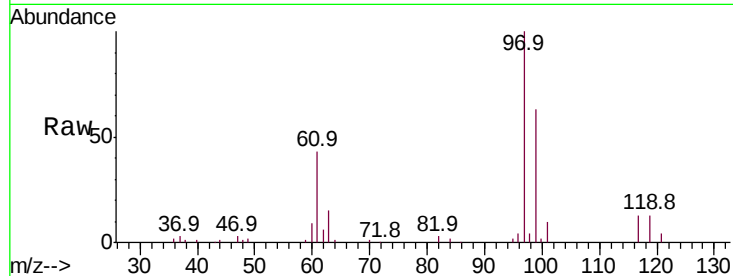




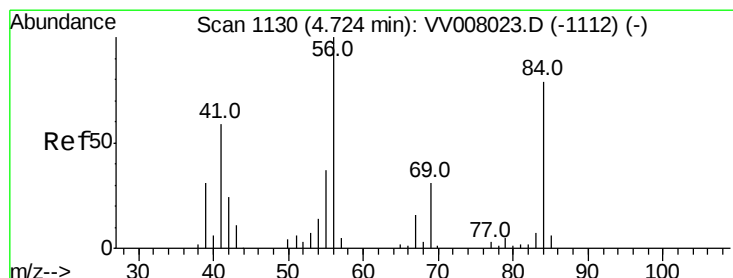
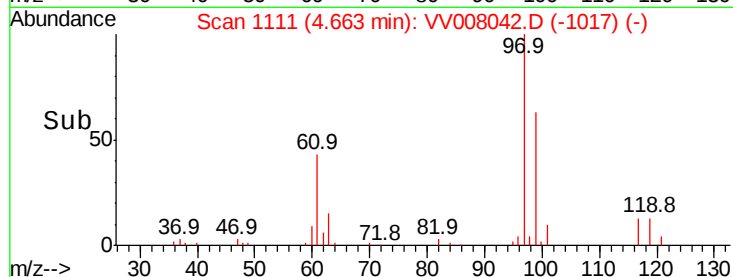
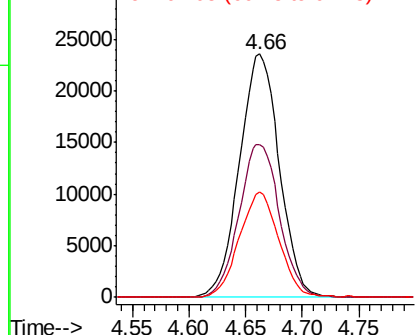
#29
1,1,1-Trichloroethane
Concen: 5.353 ug/L
RT: 4.66 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VV008042.D
Acq: 02 Oct 2018 21:40

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 97 Resp: 57862
Ion Ratio Lower Upper
97 100
99 63.7 51.2 76.8
61 42.9 34.6 52.0

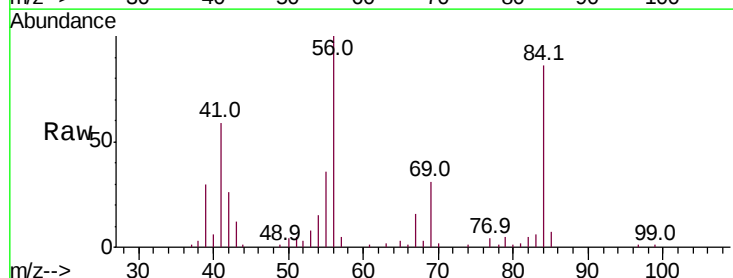


Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 61.05 (60.75 to 61.75): VV0

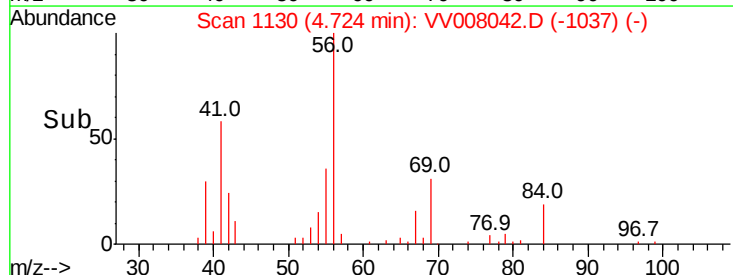
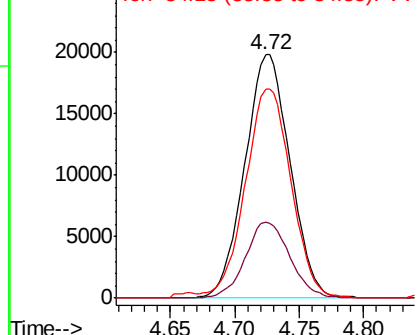


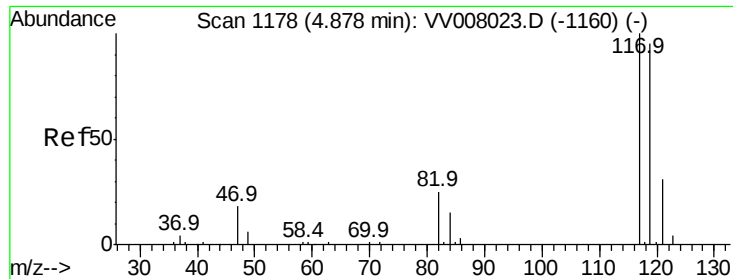
#30
Cyclohexane
Concen: 4.773 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. -0.00 min
Lab File: VV008042.D
Acq: 02 Oct 2018 21:40

Tgt Ion: 56 Resp: 48501
Ion Ratio Lower Upper
56 100
69 30.6 24.2 36.4
84 86.8 69.8 104.8



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





#31

Carbon tetrachloride

Concen: 5.423 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VV008042.D

Acq: 02 Oct 2018 21:40

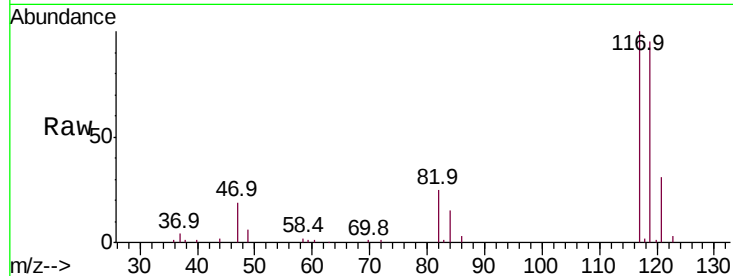
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 51677

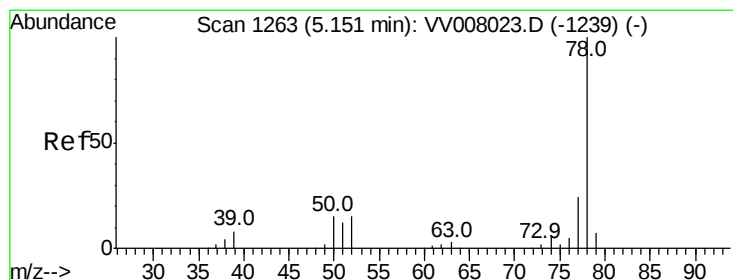
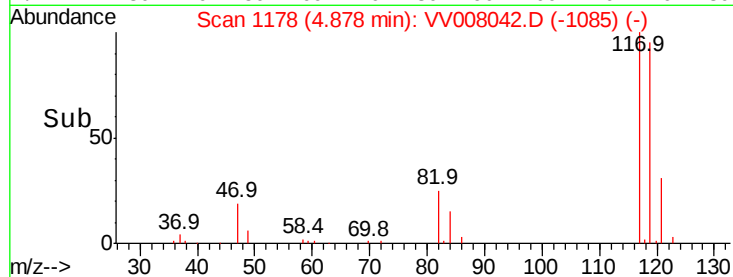
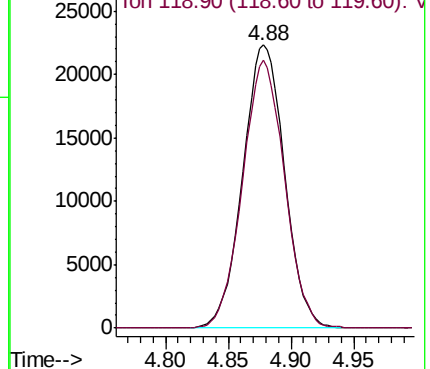
Ion Ratio Lower Upper

117 100

119 94.9 77.8 116.8



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



#33

Benzene

Concen: 5.353 ug/L

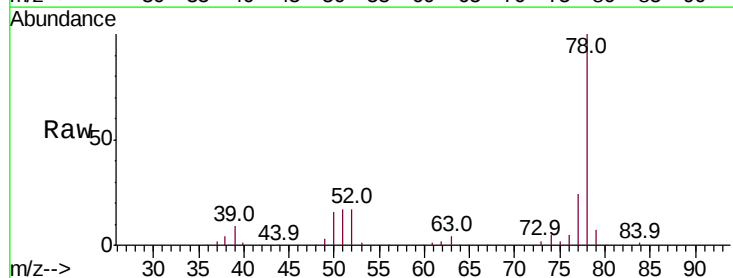
RT: 5.15 min Scan# 1263

Delta R.T. -0.00 min

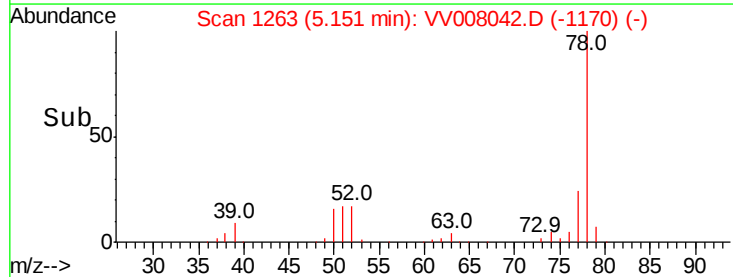
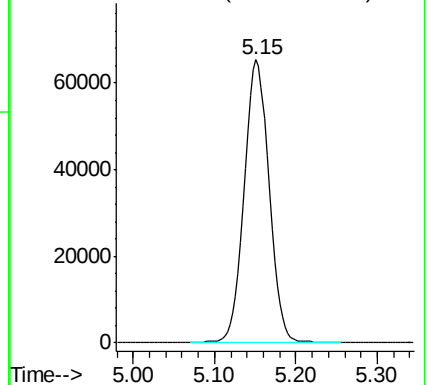
Lab File: VV008042.D

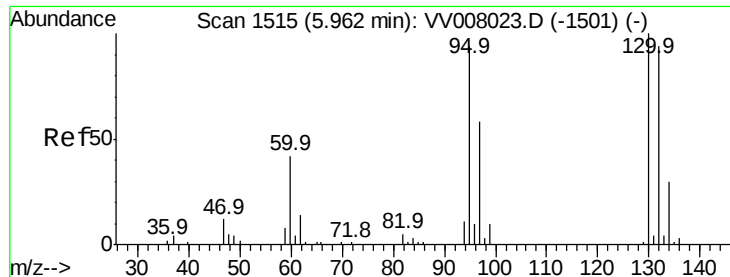
Acq: 02 Oct 2018 21:40

Tgt Ion: 78 Resp: 137805



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.047 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.00 min

Lab File: VV008042.D

Acq: 02 Oct 2018 21:40

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 37204

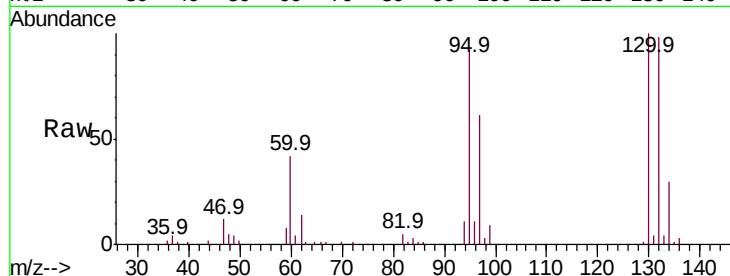
Ion Ratio Lower Upper

95 100

97 67.0 43.6 81.0

132 107.4 69.9 129.9

130 109.1 71.7 133.3

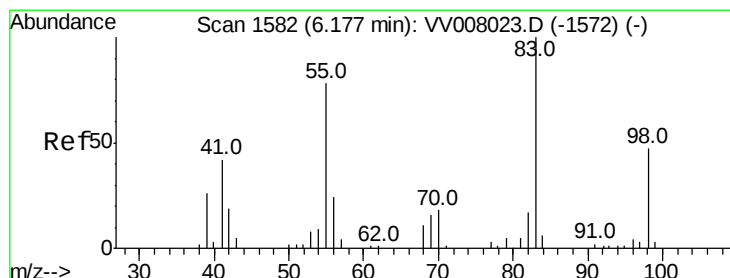
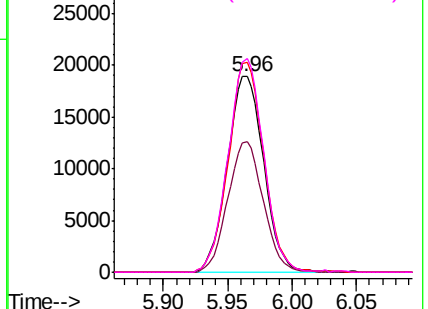
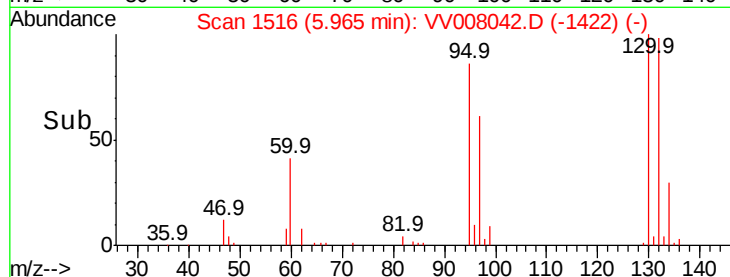


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.774 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VV008042.D

Acq: 02 Oct 2018 21:40

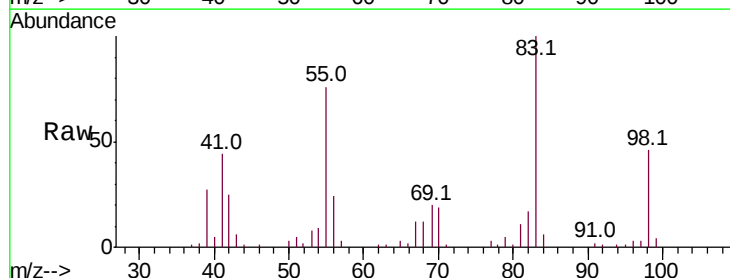
Tgt Ion: 83 Resp: 52761

Ion Ratio Lower Upper

83 100

55 78.4 62.2 93.2

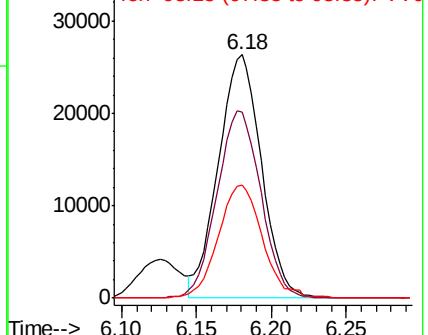
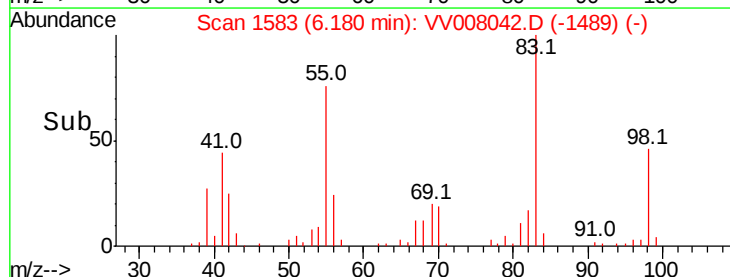
98 47.5 38.0 57.0

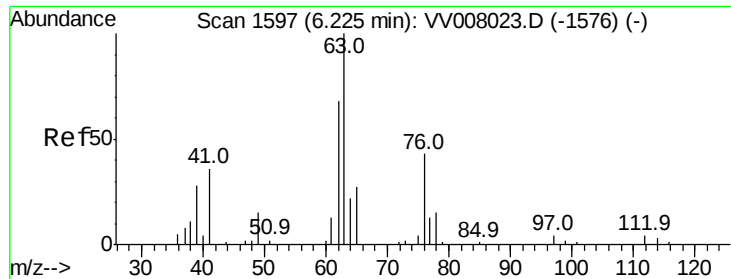


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

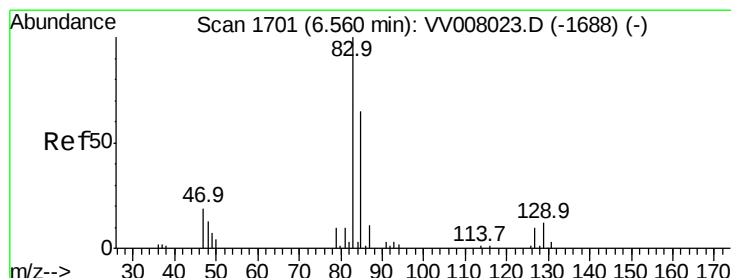
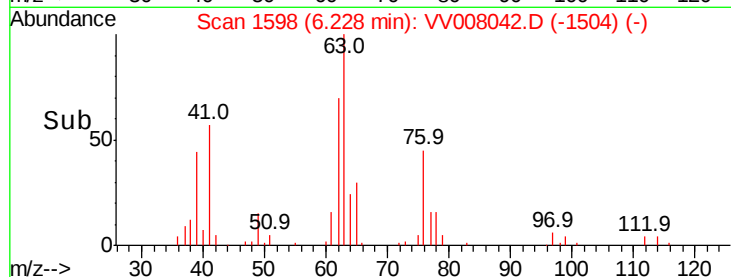
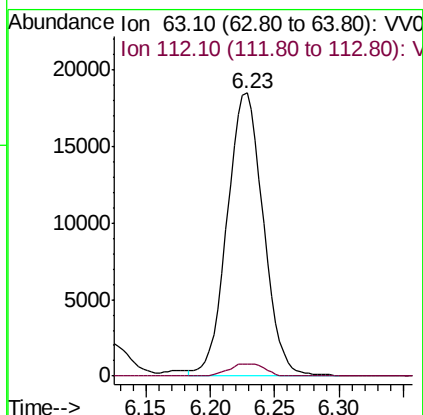
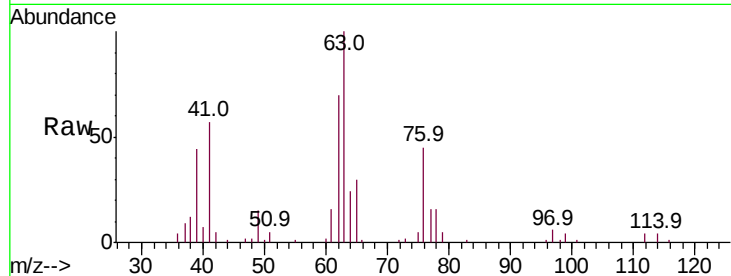




#37
 1,2-Dichloropropane
 Concen: 5.498 ug/L
 RT: 6.23 min Scan# 1598
 Delta R.T. 0.00 min
 Lab File: VV008042.D
 Acq: 02 Oct 2018 21:40

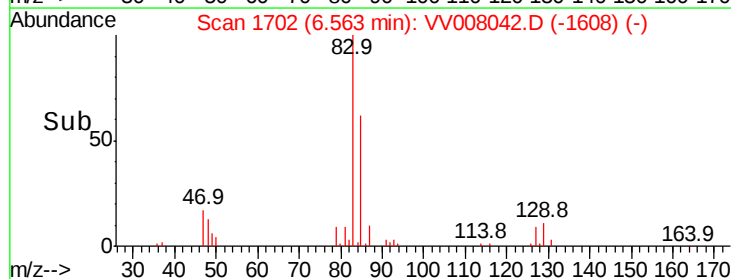
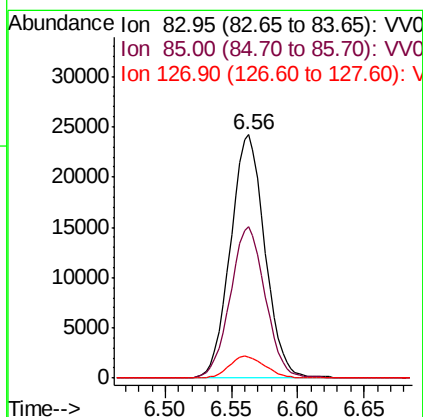
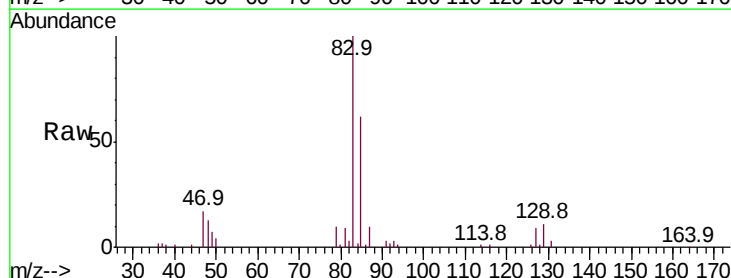
Instrument :
 MSVOA_V
 ClientSampleId :

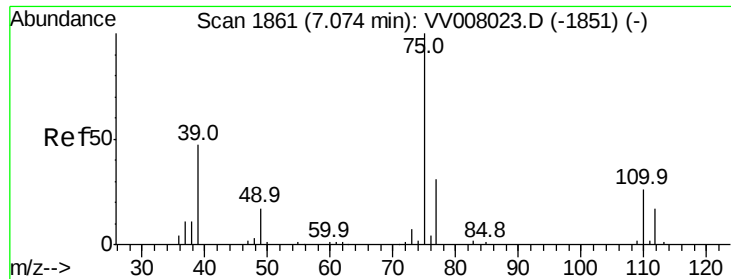
Tot Ion: 63 Resp: 36157
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.4 5.0



#38
 Bromodichloromethane
 Concen: 5.554 ug/L
 RT: 6.56 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: VV008042.D
 Acq: 02 Oct 2018 21:40

Tgt Ion: 83 Resp: 43675
 Ion Ratio Lower Upper
 83 100
 85 62.0 44.7 82.9
 127 8.7 7.8 11.6



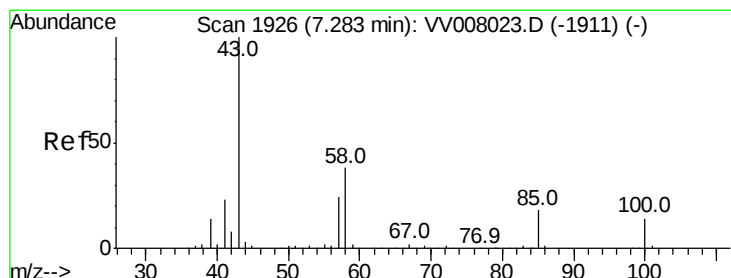
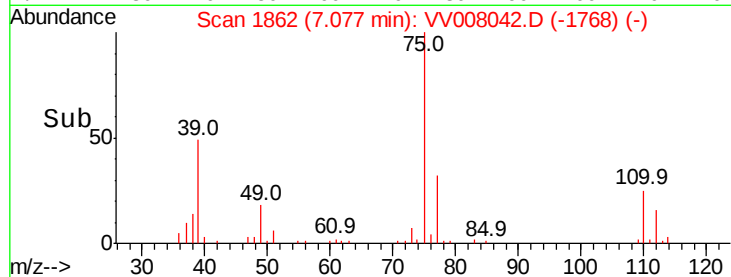
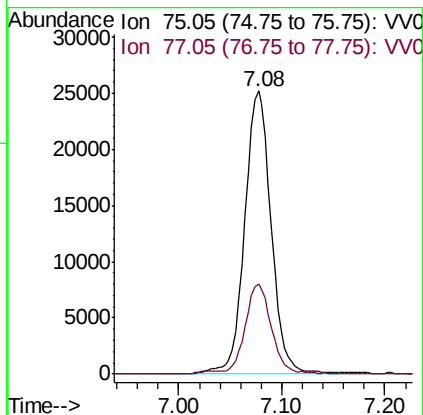
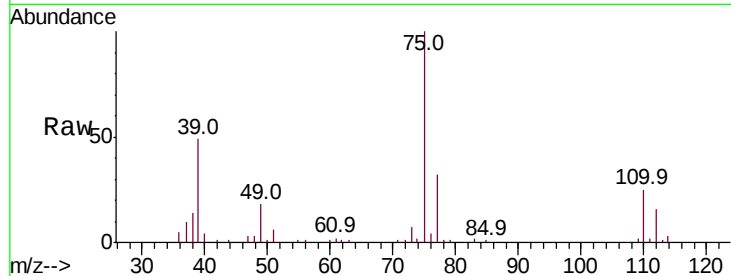


#39

cis-1,3-Dichloropropene
 Concen: 5.113 ug/L
 RT: 7.08 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VV008042.D
 Acq: 02 Oct 2018 21:40

Instrument :
 MSVOA_V
 ClientSampleId :

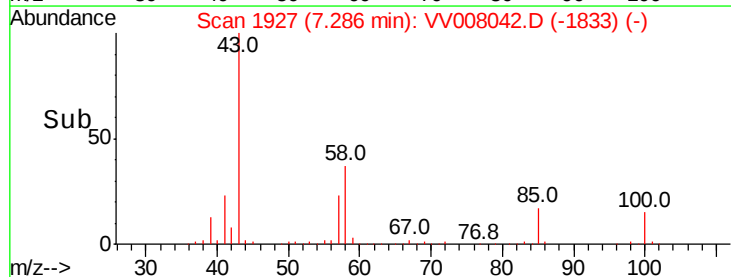
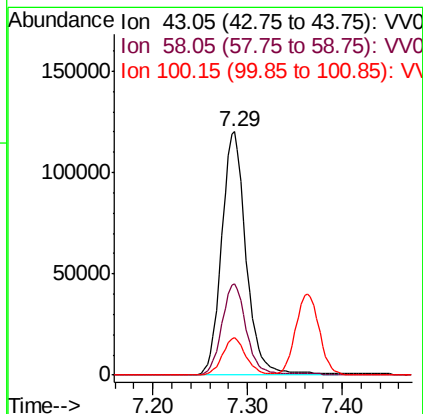
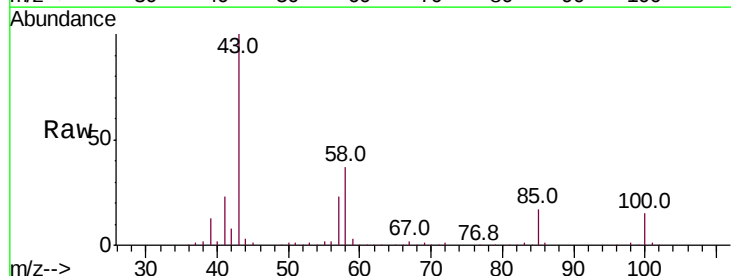
Tot Ion: 75 Resp: 44976
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.9 42.5

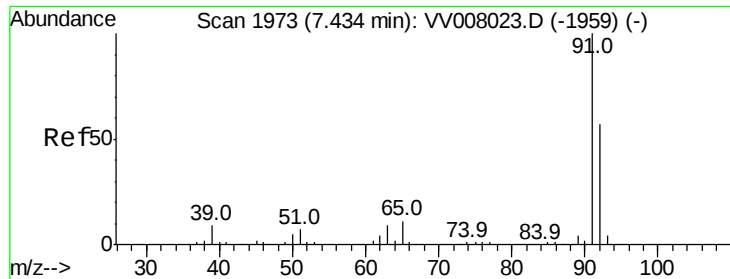


#40

4-Methyl-2-pentanone
 Concen: 52.423 ug/L
 RT: 7.29 min Scan# 1927
 Delta R.T. 0.00 min
 Lab File: VV008042.D
 Acq: 02 Oct 2018 21:40

Tgt Ion: 43 Resp: 216379
 Ion Ratio Lower Upper
 43 100
 58 37.1 29.4 44.0
 100 14.6 11.5 17.3





#42

Toluene

Concen: 5.432 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VV008042.D

Acq: 02 Oct 2018 21:40

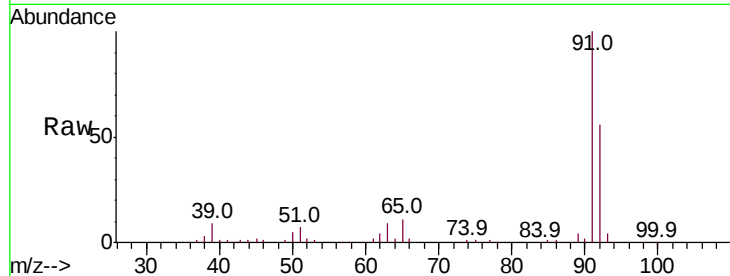
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 152278

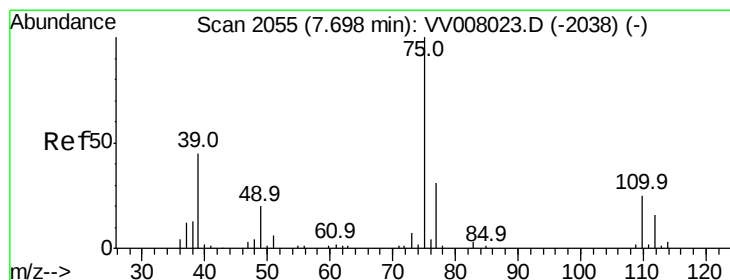
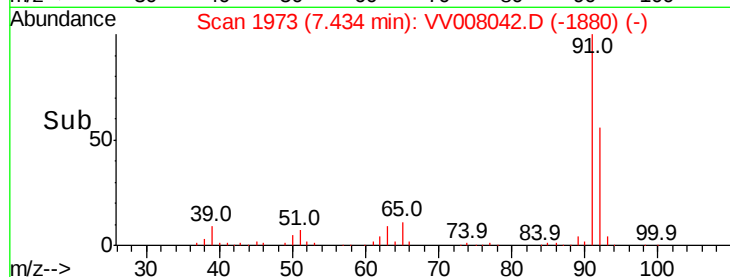
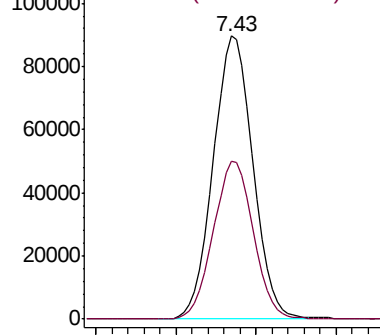
Ion Ratio Lower Upper

91 100

92 56.0 40.8 75.8



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: 5.265 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. -0.00 min

Lab File: VV008042.D

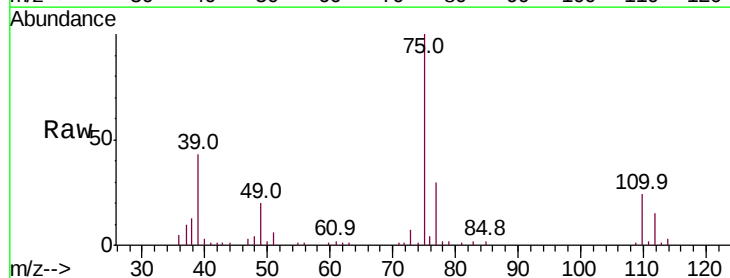
Acq: 02 Oct 2018 21:40

Tgt Ion: 75 Resp: 38501

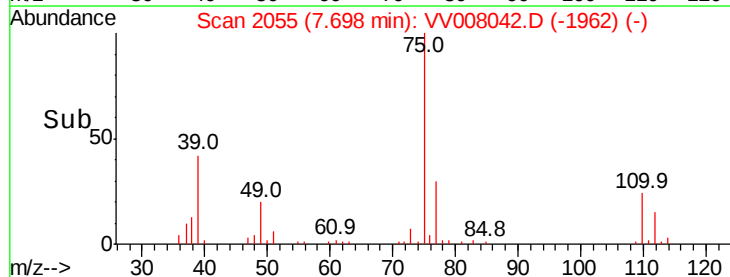
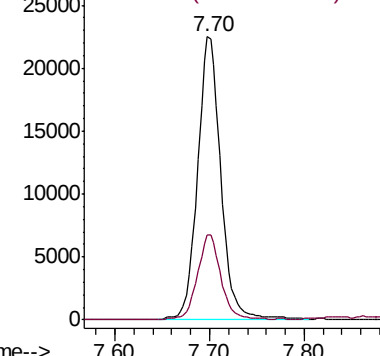
Ion Ratio Lower Upper

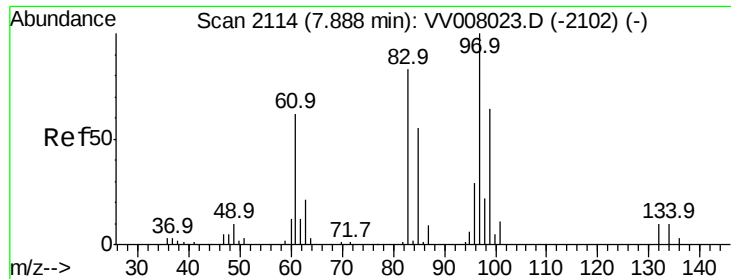
75 100

77 30.0 22.3 41.5



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





#45

1,1,2-Trichloroethane

Concen: 5.332 ug/L

RT: 7.89 min Scan# 2114

Delta R.T. -0.00 min

Lab File: VV008042.D

Acq: 02 Oct 2018 21:40

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 97 Resp: 25306

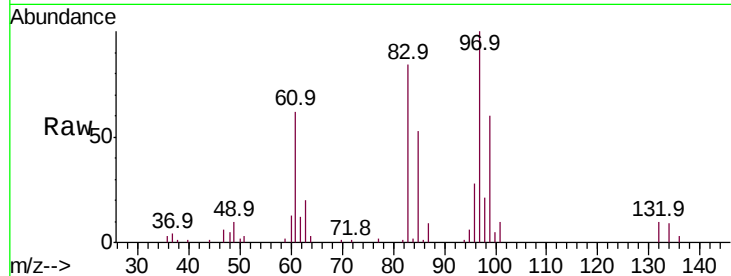
Ion Ratio Lower Upper

97 100

99 60.3 43.5 80.9

83 84.0 59.7 110.9

85 52.8 39.5 73.3

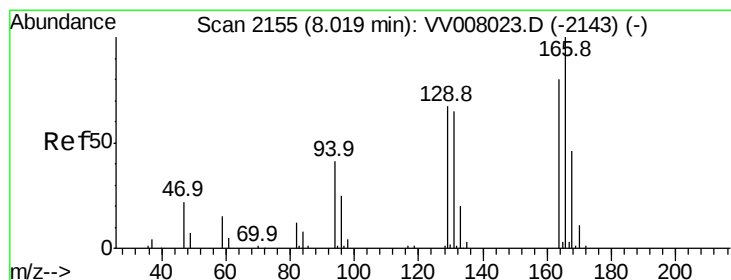
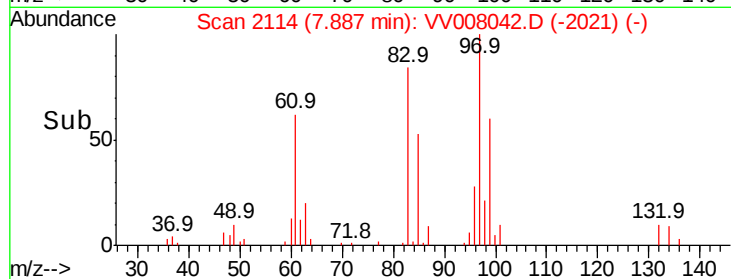
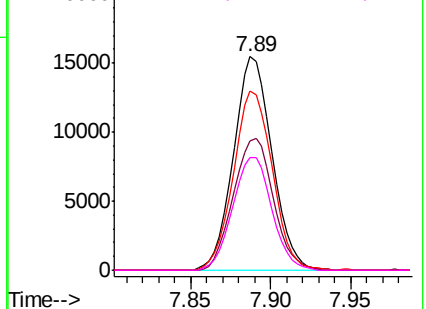


Abundance Ion 96.95 (96.65 to 97.65): VV0

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: 5.153 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. 0.00 min

Lab File: VV008042.D

Acq: 02 Oct 2018 21:40

Tgt Ion:164 Resp: 35199

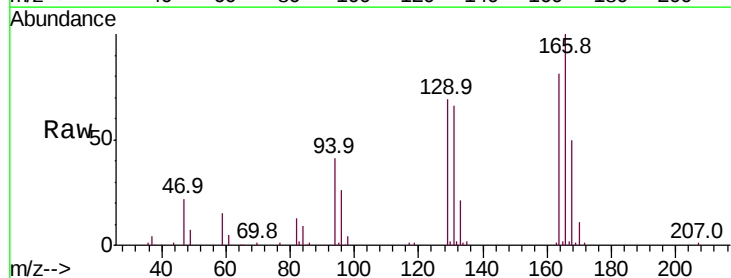
Ion Ratio Lower Upper

164 100

129 85.8 59.2 110.0

131 81.8 57.1 106.1

166 124.2 88.6 164.6

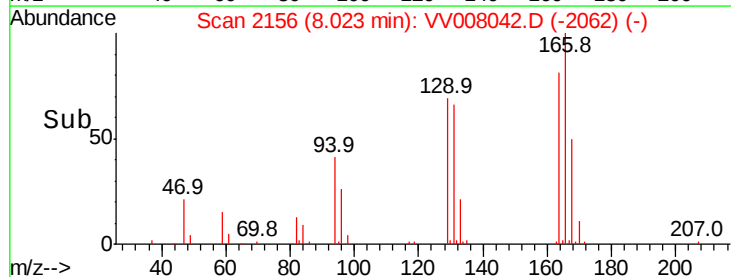
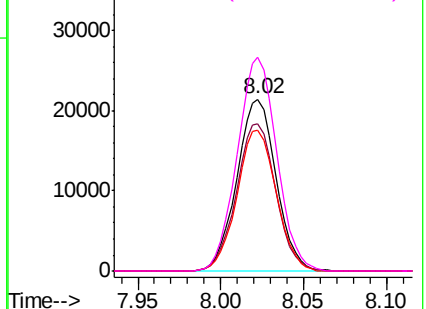


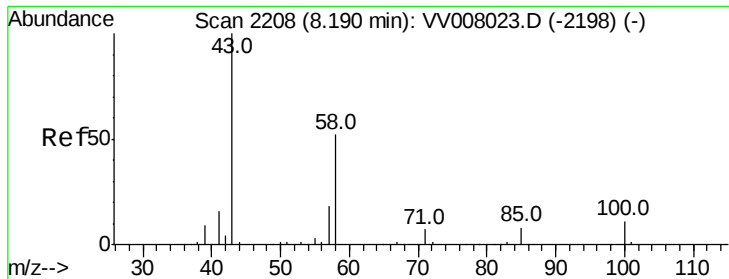
Abundance Ion 163.90 (163.60 to 164.60): V

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

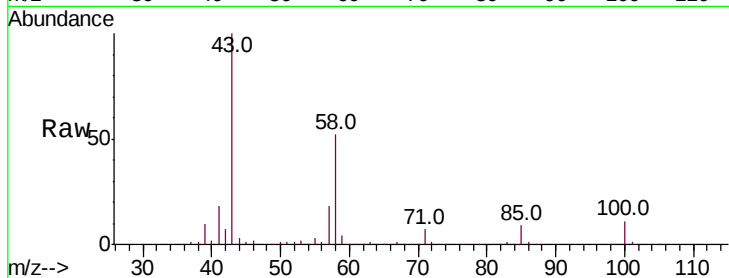




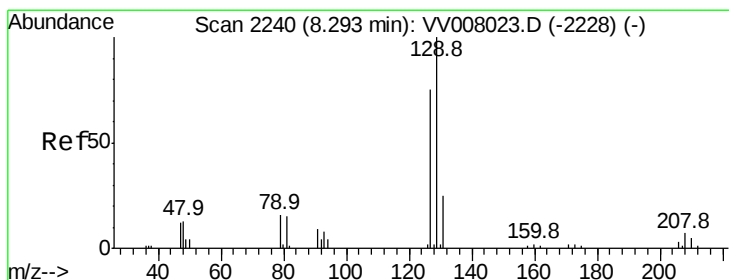
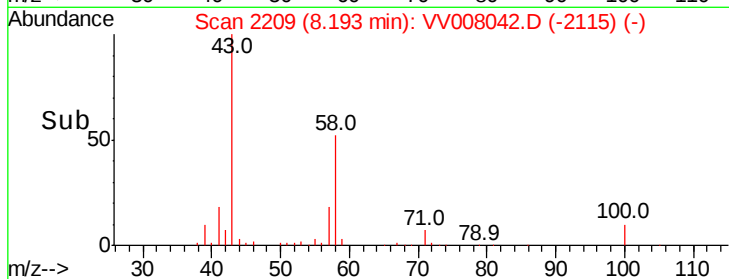
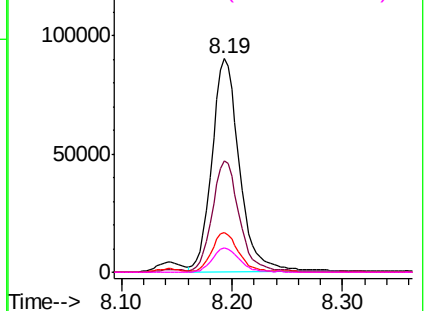
#48
2-Hexanone
Concen: 53.895 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VV008042.D
Acq: 02 Oct 2018 21:40

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 154718
Ion Ratio Lower Upper
43 100
58 51.5 41.9 62.9
57 18.2 14.3 21.5
100 11.3 9.2 13.8

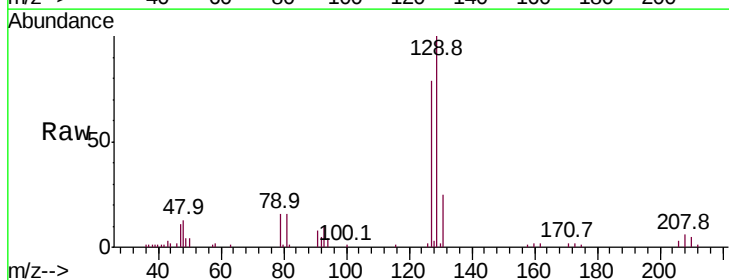


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

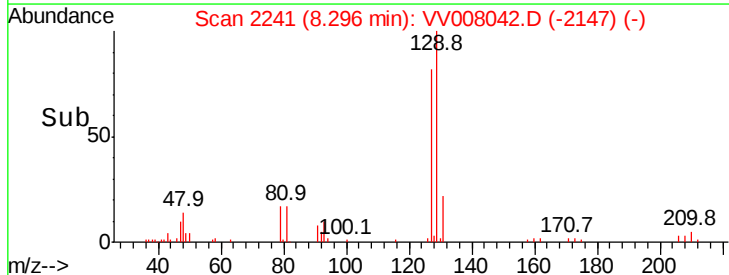
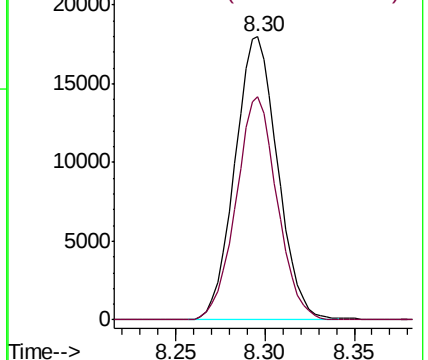


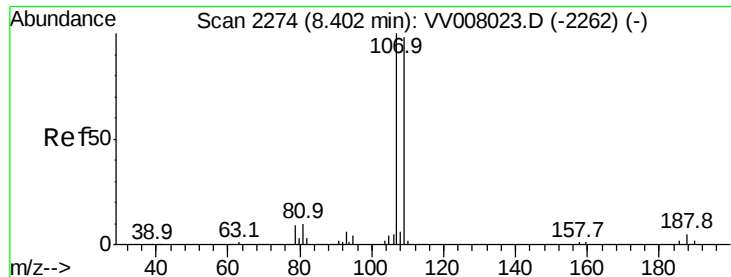
#49
Dibromochloromethane
Concen: 5.551 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VV008042.D
Acq: 02 Oct 2018 21:40

Tgt Ion: 129 Resp: 30073
Ion Ratio Lower Upper
129 100
127 78.7 53.1 98.5



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

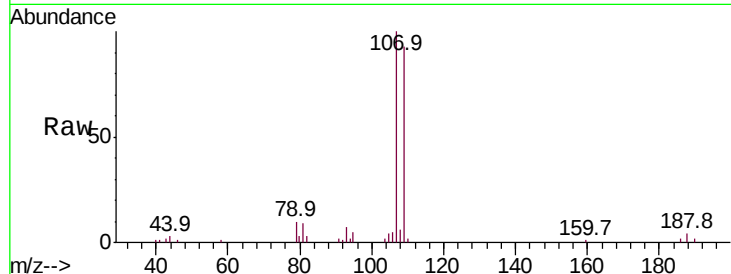




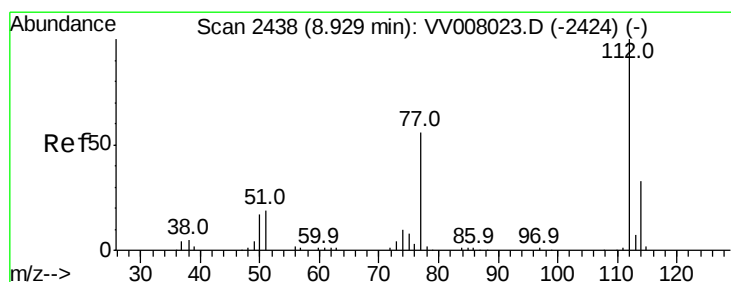
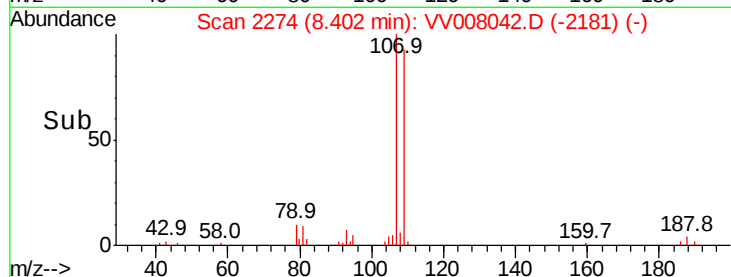
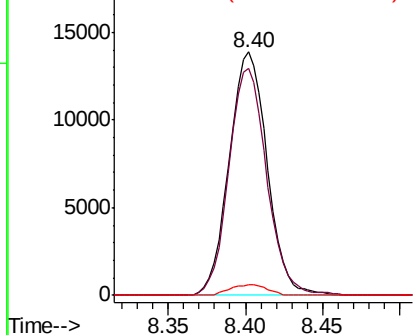
#50
1,2-Dibromoethane
Concen: 5.442 ug/L
RT: 8.40 min Scan# 2274
Delta R.T. -0.00 min
Lab File: VV008042.D
Acq: 02 Oct 2018 21:40

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.1	64.9	120.5
188	4.4	4.0	6.0

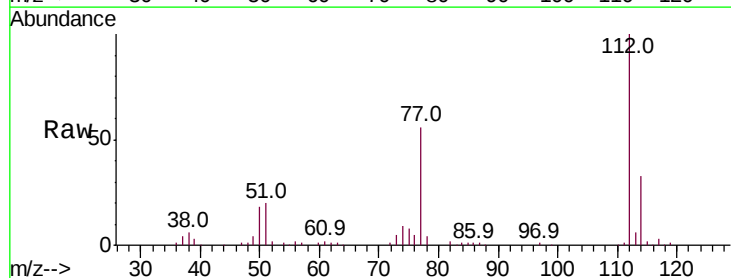


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

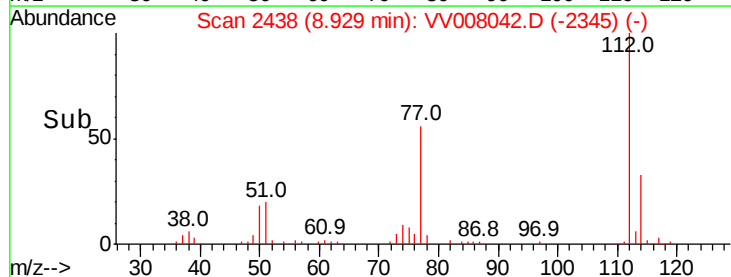
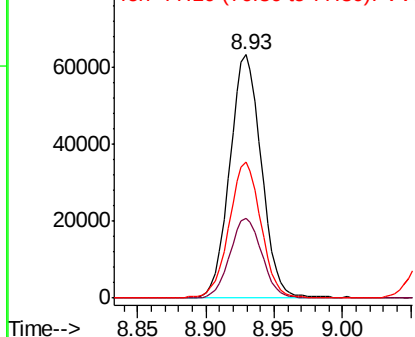


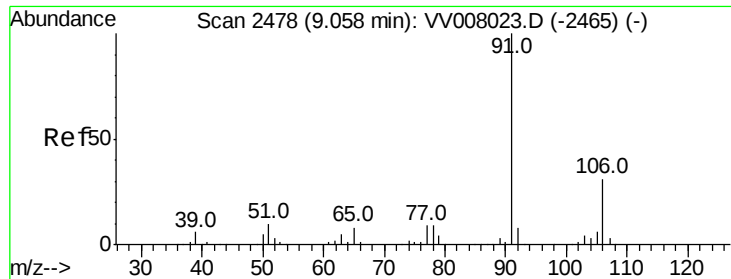
#51
Chlorobenzene
Concen: 5.265 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. -0.00 min
Lab File: VV008042.D
Acq: 02 Oct 2018 21:40

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.0	22.4	41.6
77	55.9	45.0	67.6



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): VV0





#52

Ethylbenzene

Concen: 5.222 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV008042.D

Acq: 02 Oct 2018 21:40

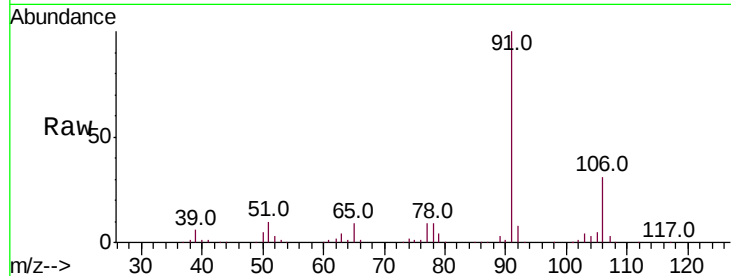
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 163319

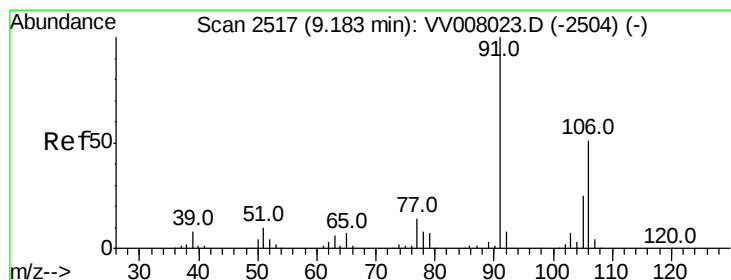
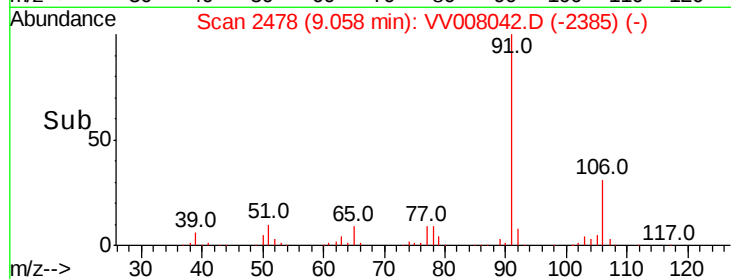
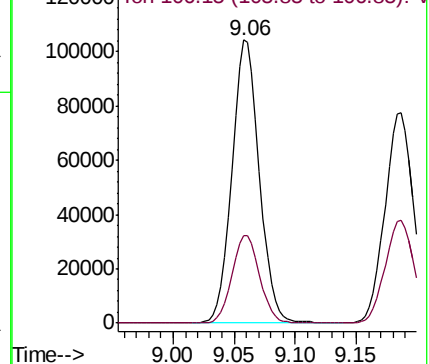
Ion Ratio Lower Upper

91 100

106 31.0 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VV008042.D (-2465) (-)



#53

m,p-xylene

Concen: 5.271 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. 0.00 min

Lab File: VV008042.D

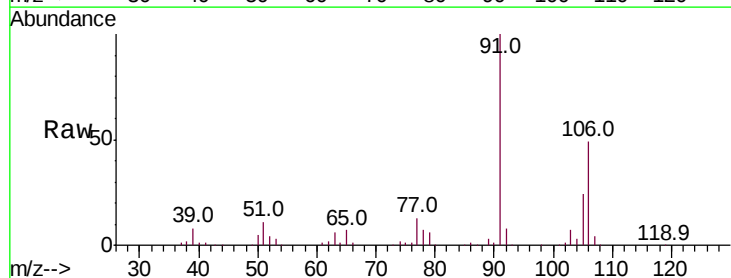
Acq: 02 Oct 2018 21:40

Tgt Ion: 106 Resp: 62773

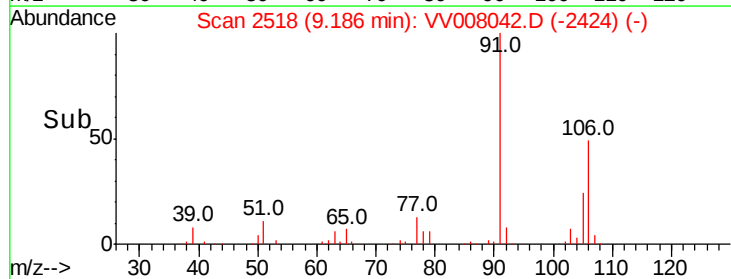
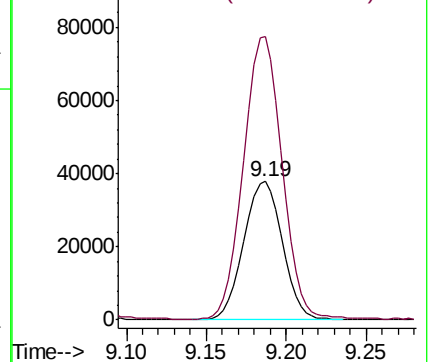
Ion Ratio Lower Upper

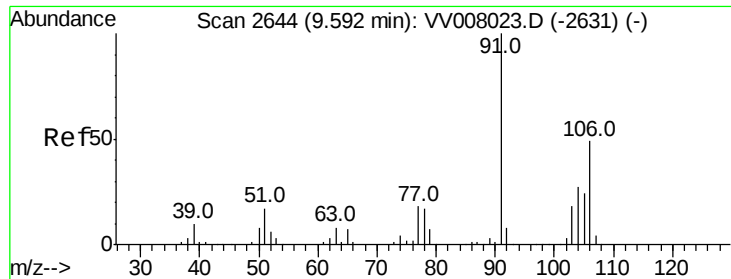
106 100

91 204.6 139.4 258.8



Abundance Ion 106.15 (105.85 to 106.85): VV008042.D (-2504) (-)

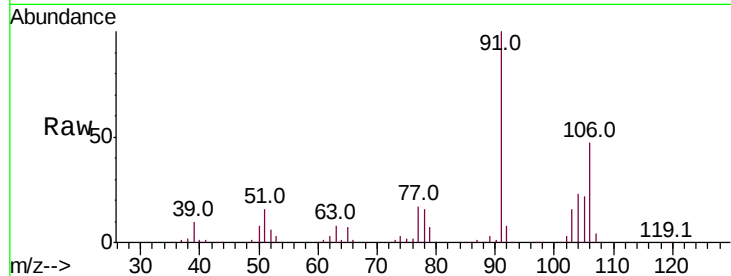




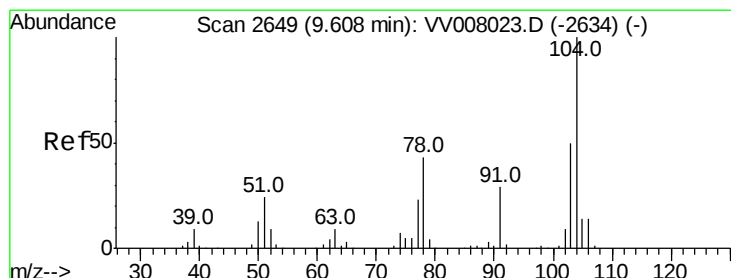
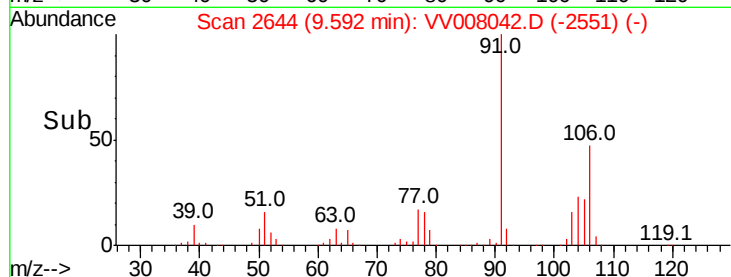
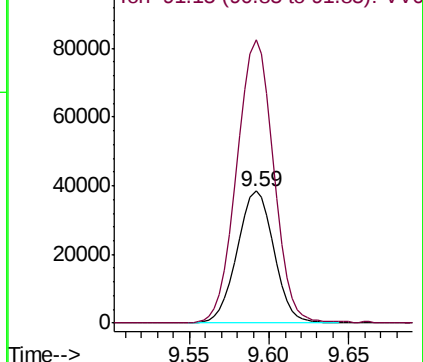
#54
o-xylene
Concen: 5.242 ug/L
RT: 9.59 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VV008042.D
Acq: 02 Oct 2018 21:40

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 60299
Ion Ratio Lower Upper
106 100
91 214.0 150.1 278.9

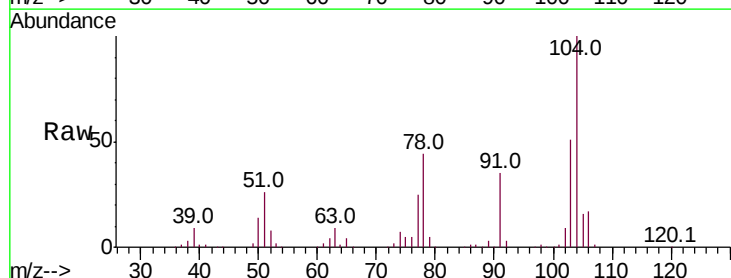


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

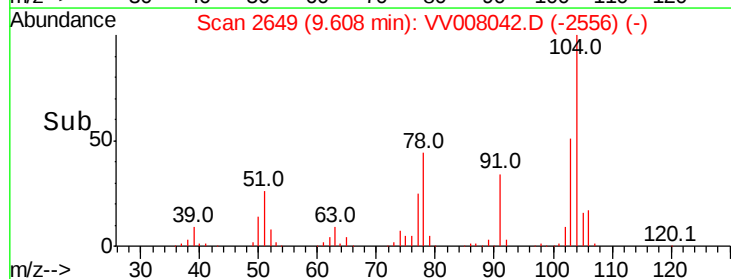
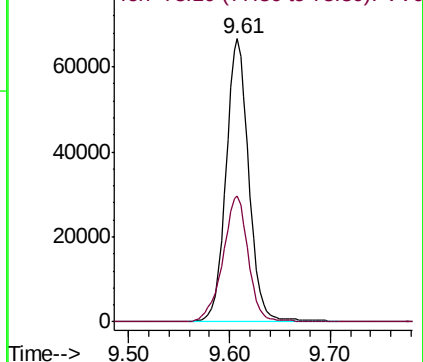


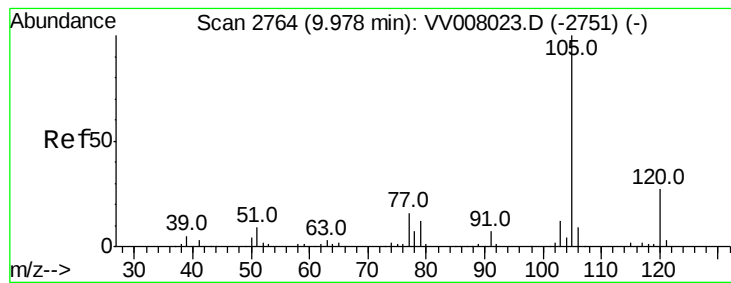
#55
Styrene
Concen: 5.360 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. -0.00 min
Lab File: VV008042.D
Acq: 02 Oct 2018 21:40

Tgt Ion:104 Resp: 105283
Ion Ratio Lower Upper
104 100
78 44.4 30.4 56.4



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.292 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV008042.D

Acq: 02 Oct 2018 21:40

Instrument :
MSVOA_V
ClientSampled :

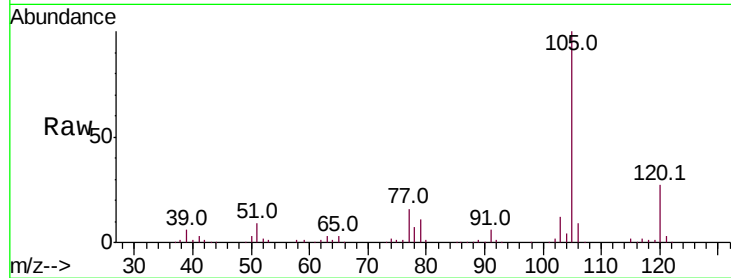
Tot Ion:105 Resp: 164849

Ion Ratio Lower Upper

105 100

120 26.6 21.4 32.0

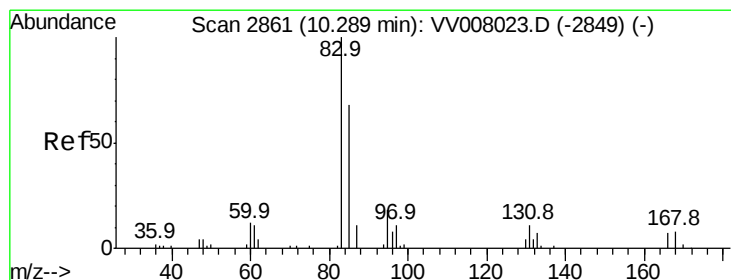
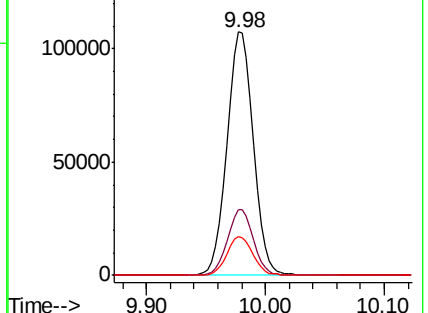
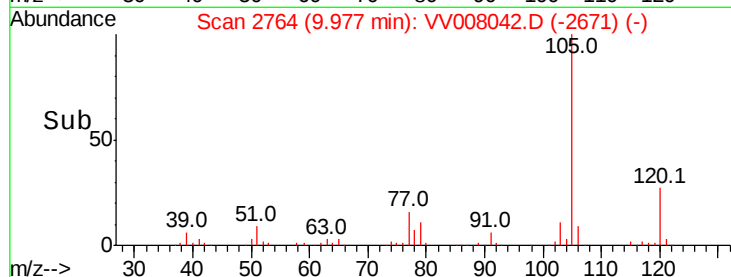
77 15.8 12.7 19.1



Abundance Ion 105.05 (104.75 to 105.75): VV008023.D (-2751) (-)

Ion 120.10 (119.80 to 120.80): VV008023.D (-2751) (-)

Ion 77.10 (76.80 to 77.80): VV008023.D (-2751) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 5.373 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV008042.D

Acq: 02 Oct 2018 21:40

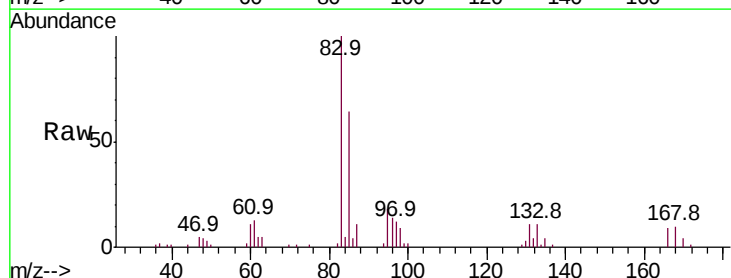
Tgt Ion: 83 Resp: 29950

Ion Ratio Lower Upper

83 100

85 63.6 43.7 81.1

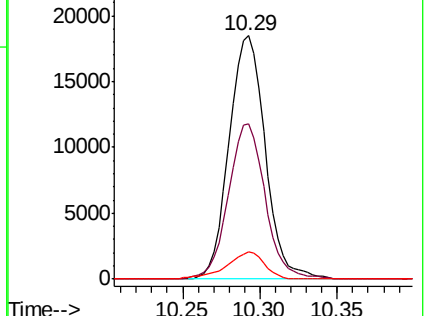
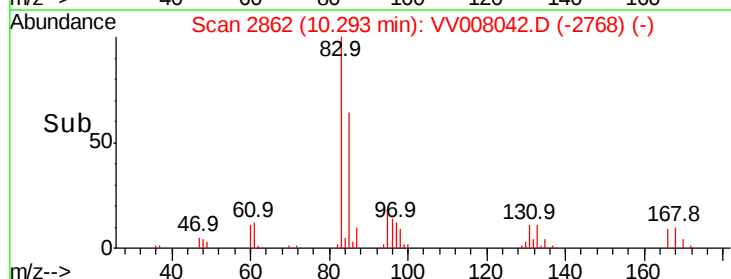
131 11.3 9.0 13.4

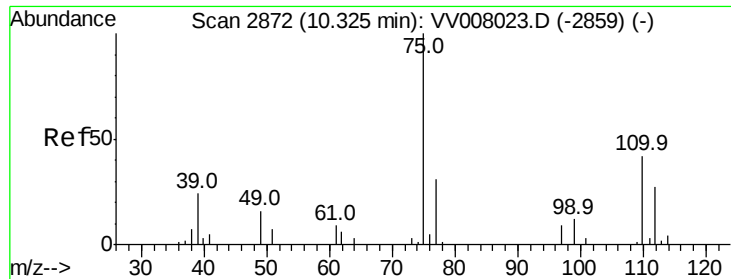


Abundance Ion 82.95 (82.65 to 83.65): VV008023.D (-2849) (-)

Ion 85.00 (84.70 to 85.70): VV008023.D (-2849) (-)

Ion 130.95 (130.65 to 131.65): VV008023.D (-2849) (-)

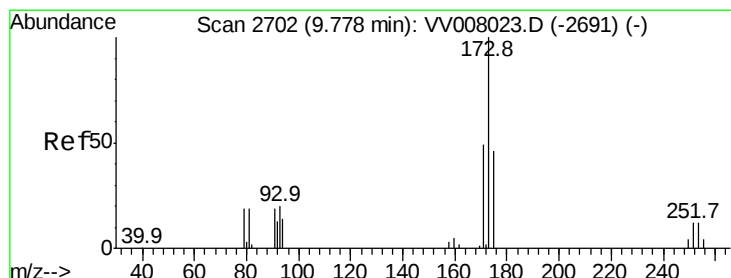
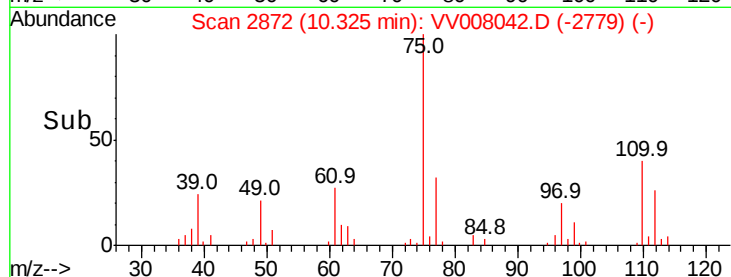
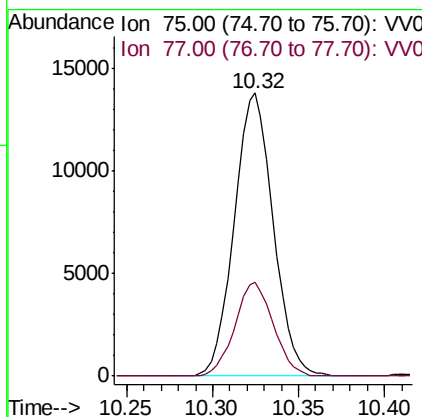
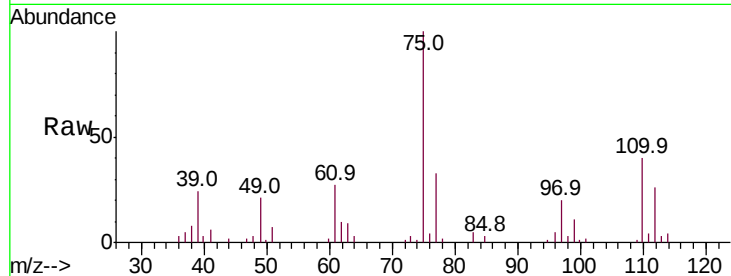




#59
 1,2,3-Trichloropropane
 Concen: 5.332 ug/L
 RT: 10.32 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VV008042.D
 Acq: 02 Oct 2018 21:40

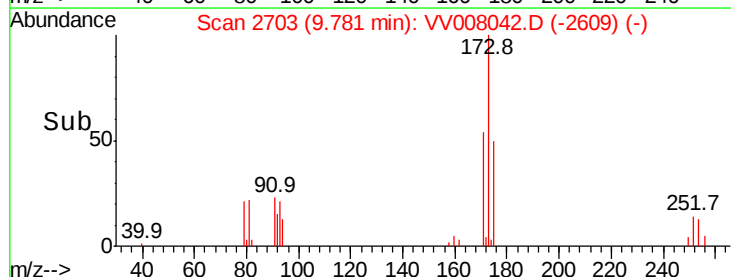
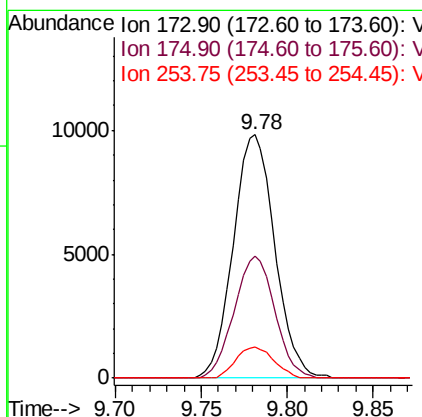
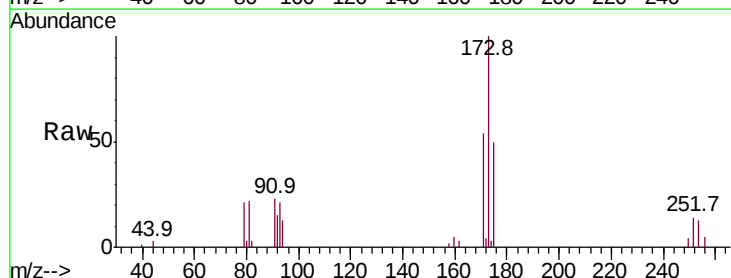
Instrument :
 MSVOA_V
 ClientSampled :

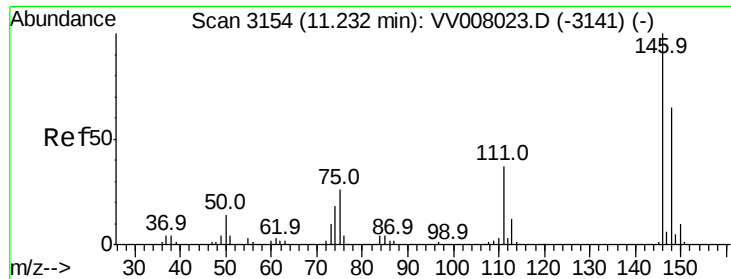
Tot Ion: 75 Resp: 21817
 Ion Ratio Lower Upper
 75 100
 77 32.6 26.4 39.6



#61
 Bromoform
 Concen: 5.610 ug/L
 RT: 9.78 min Scan# 2703
 Delta R.T. 0.00 min
 Lab File: VV008042.D
 Acq: 02 Oct 2018 21:40

Tgt Ion:173 Resp: 16463
 Ion Ratio Lower Upper
 173 100
 175 48.7 41.0 61.6
 254 11.6 9.6 14.4

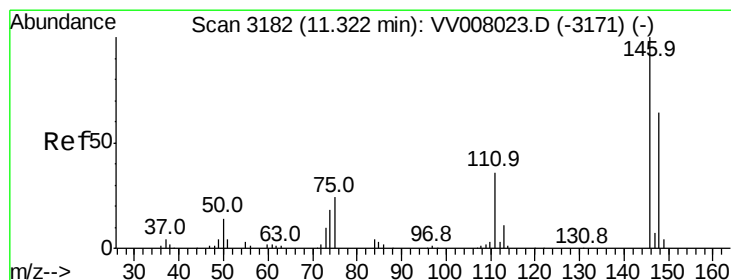
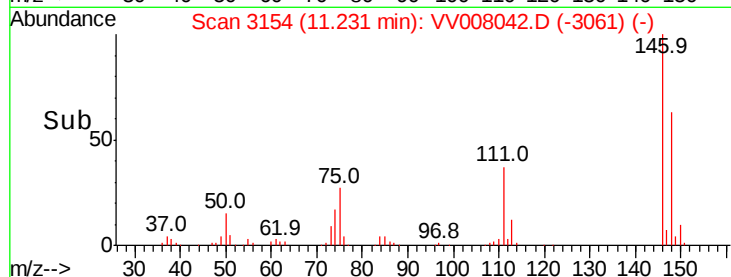
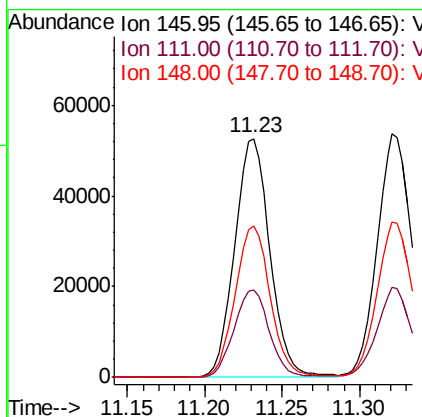
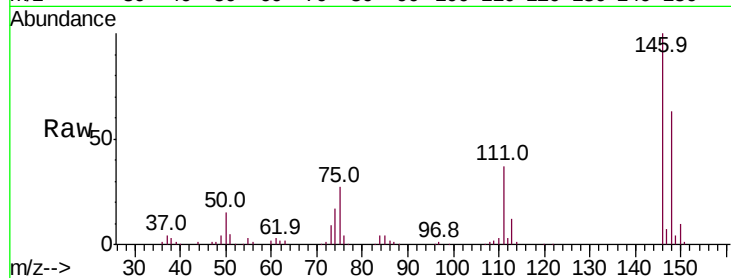




#62
 1,3-Dichlorobenzene
 Concen: 5.162 ug/L
 RT: 11.23 min Scan# 3154
 Delta R.T. -0.00 min
 Lab File: VV008042.D
 Acq: 02 Oct 2018 21:40

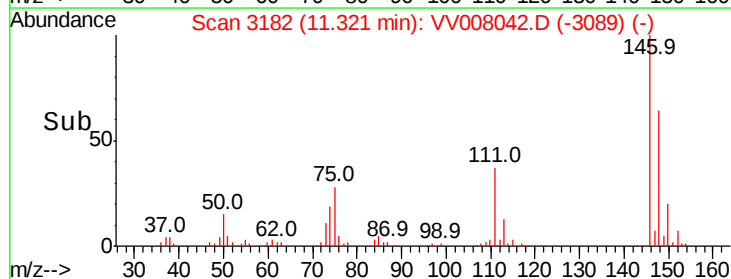
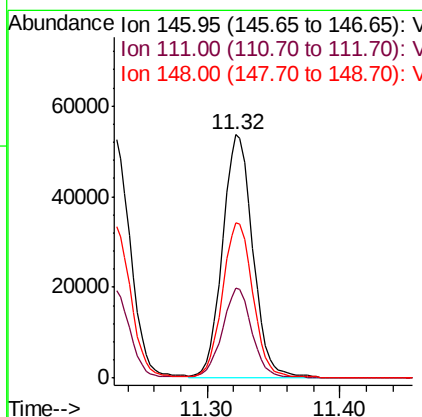
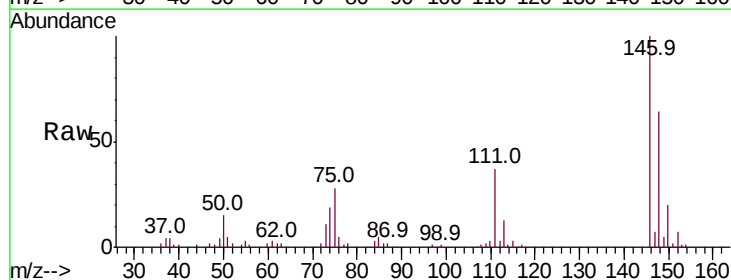
Instrument :
 MSVOA_V
 ClientSampleId :

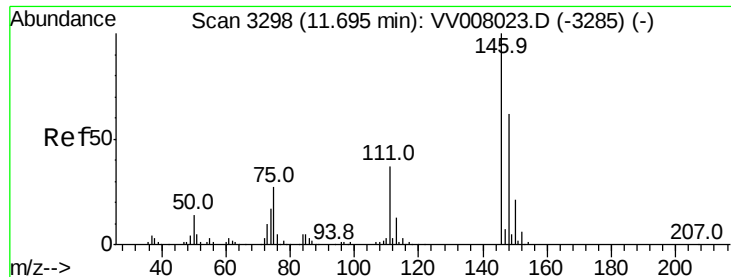
Tot Ion:146 Resp: 83269
 Ion Ratio Lower Upper
 146 100
 111 36.7 25.8 48.0
 148 63.3 44.7 82.9



#63
 1,4-Dichlorobenzene
 Concen: 5.092 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. -0.00 min
 Lab File: VV008042.D
 Acq: 02 Oct 2018 21:40

Tgt Ion:146 Resp: 85401
 Ion Ratio Lower Upper
 146 100
 111 36.8 25.3 47.1
 148 63.6 44.7 82.9

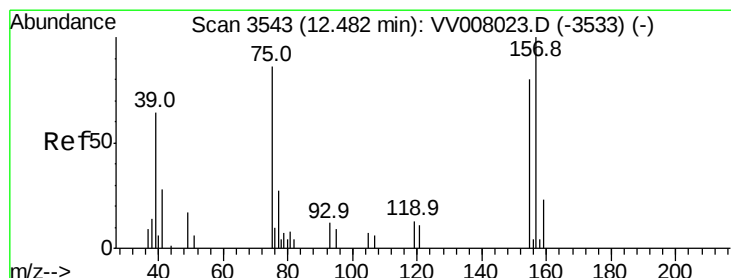
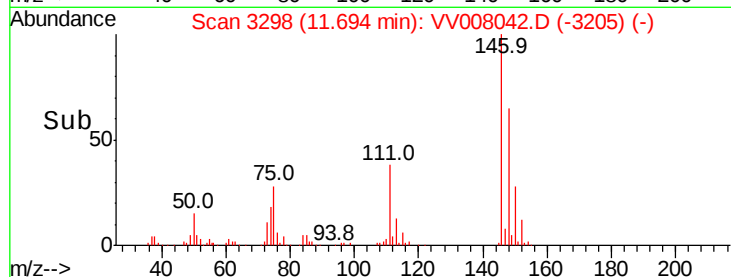
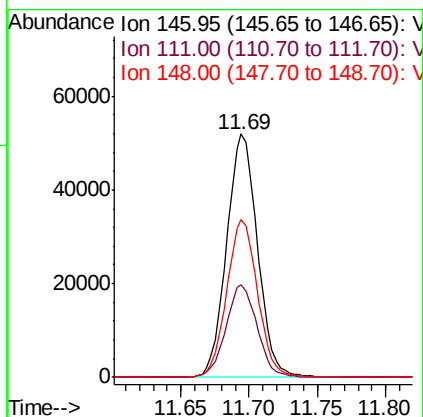
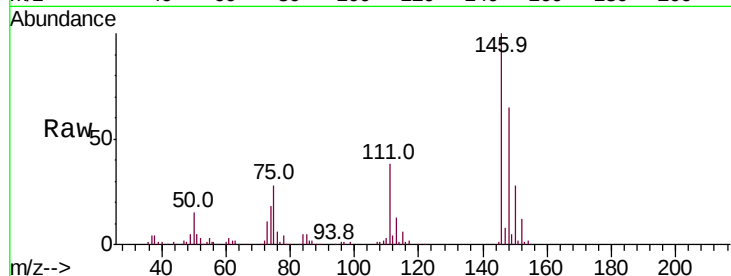




#65
 1,2-Dichlorobenzene
 Concen: 5.378 ug/L
 RT: 11.69 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VV008042.D
 Acq: 02 Oct 2018 21:40

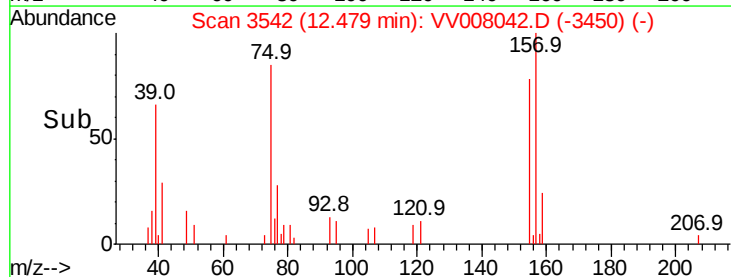
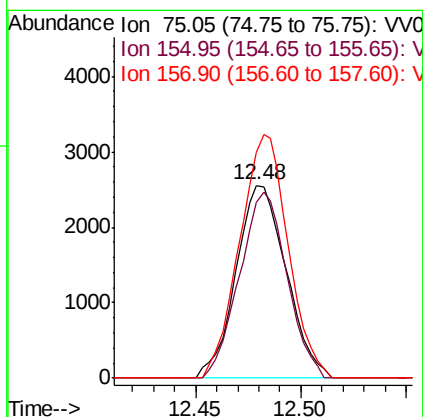
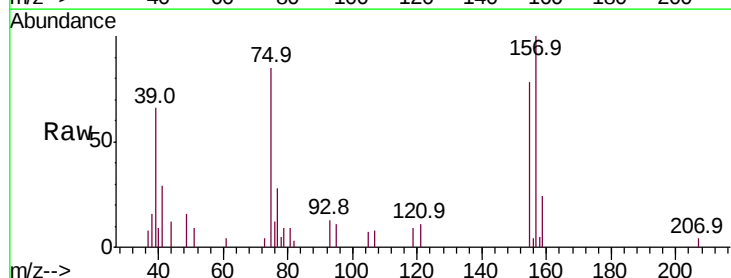
Instrument :
 MSVOA_V
 ClientSampleId :

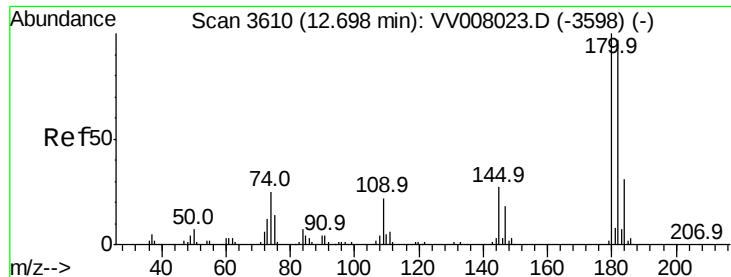
Tot Ion:146 Resp: 81782
 Ion Ratio Lower Upper
 146 100
 111 38.1 31.2 46.8
 148 65.0 50.3 75.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.453 ug/L
 RT: 12.48 min Scan# 3542
 Delta R.T. -0.00 min
 Lab File: VV008042.D
 Acq: 02 Oct 2018 21:40

Tgt Ion: 75 Resp: 4224
 Ion Ratio Lower Upper
 75 100
 155 91.1 83.4 125.2
 157 117.2 93.9 140.9

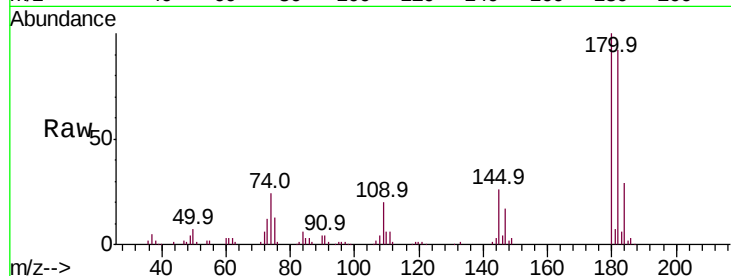




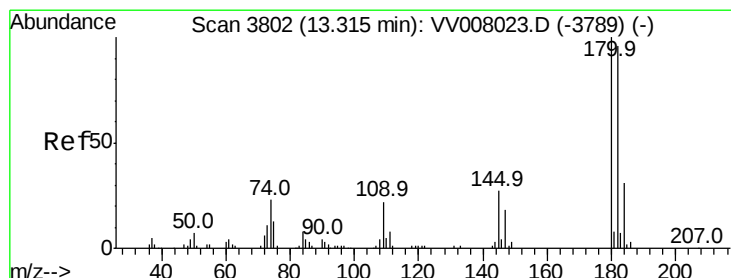
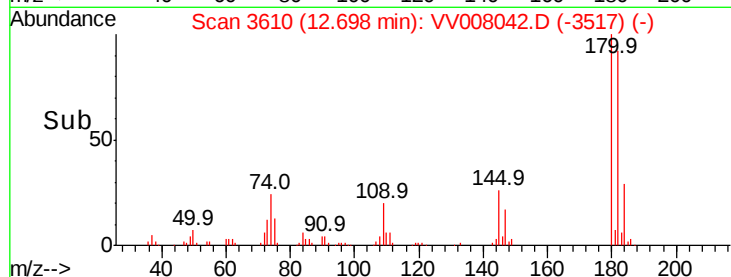
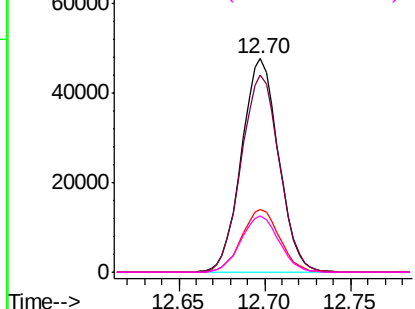
#67
 1,3,5-Trichlorobenzene
 Concen: 5.157 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. -0.00 min
 Lab File: VV008042.D
 Acq: 02 Oct 2018 21:40

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	180	Resp:	71224
Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.2	114.4
184	30.3	24.5	36.7
145	27.1	22.2	33.4

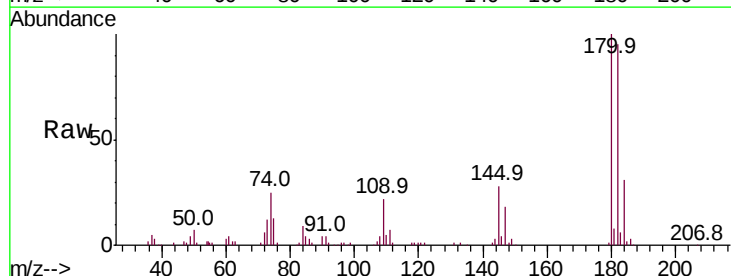


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

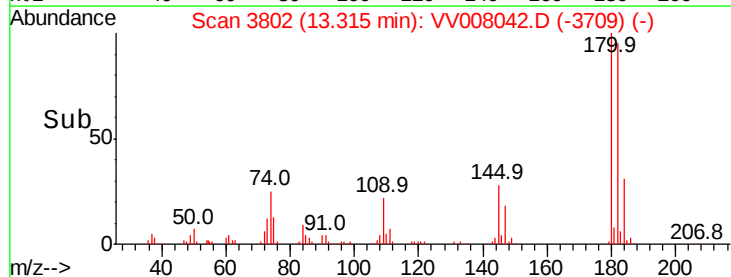
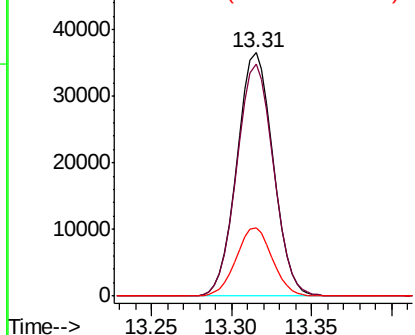


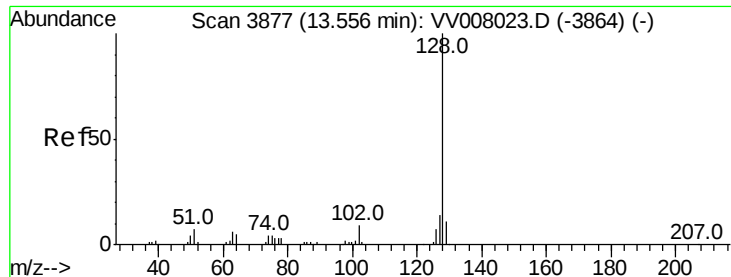
#68
 1,2,4-trichlorobenzene
 Concen: 4.814 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. -0.00 min
 Lab File: VV008042.D
 Acq: 02 Oct 2018 21:40

Tgt Ion:	180	Resp:	56197
Ion	Ratio	Lower	Upper
180	100		
182	96.6	77.4	116.2
145	28.0	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: 4.541 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. -0.00 min

Lab File: VV008042.D

Acq: 02 Oct 2018 21:40

Instrument :

MSVOA_V

ClientSampleId :

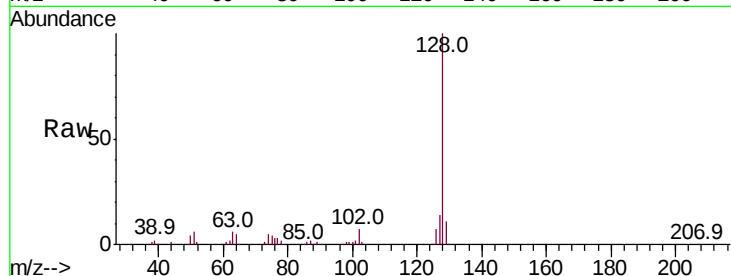
Tot Ion:128 Resp: 74151

Ion Ratio Lower Upper

128 100

129 10.6 8.6 13.0

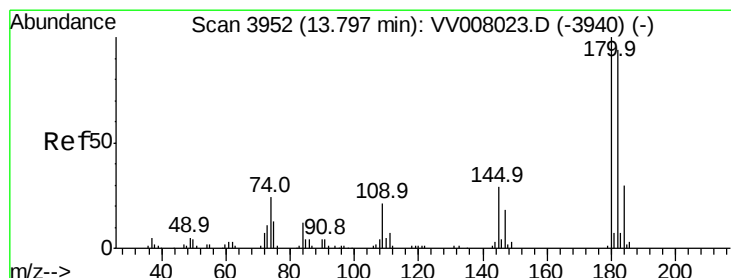
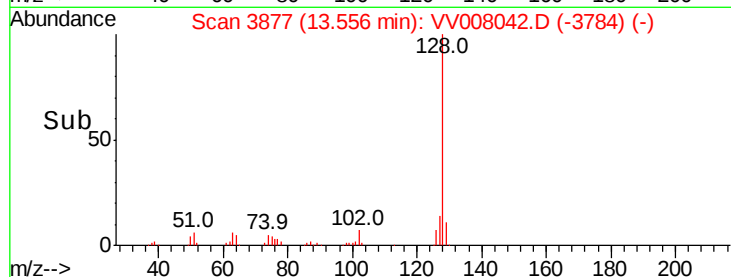
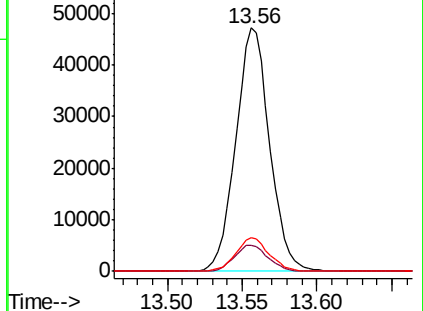
127 13.6 10.3 15.5



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: 5.032 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. -0.00 min

Lab File: VV008042.D

Acq: 02 Oct 2018 21:40

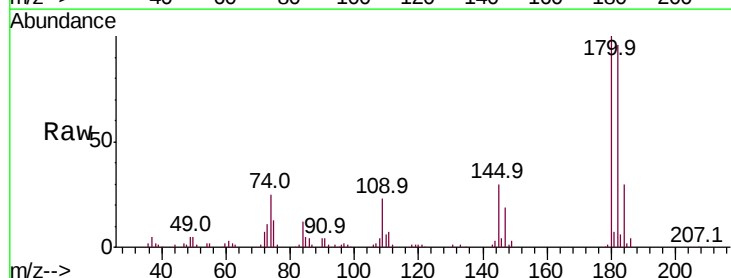
Tgt Ion:180 Resp: 53199

Ion Ratio Lower Upper

180 100

182 96.0 75.7 113.5

145 30.4 23.4 35.0



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

