

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100318\
 Data File : VV008044.D
 Acq On : 03 Oct 2018 09:57
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 04 07:52:18 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	91744	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	88623	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	47919	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	24557	4.99	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.80%
7) Chloroethane-d5	1.59	69	21793	5.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.60%
11) 1,1-Dichloroethene-d2	2.14	63	54552	4.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.20%
20) 2-Butanone-d5	3.96	46	76797	51.91	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.82%
24) Chloroform-d	4.41	84	60771	5.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.40%
26) 1,2-Dichloroethane-d4	5.09	65	31100	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.00%
32) Benzene-d6	5.10	84	111818	5.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.80%
36) 1,2-Dichloropropane-d6	6.12	67	35085	5.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.60%
41) Toluene-d8	7.36	98	114525	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.40%
43) trans-1,3-Dichloropropene-	7.67	79	13435	5.20	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	104.00%
46) 2-Hexanone-d5	8.14	63	57423	50.37	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.74%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	26748	5.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.40%
64) 1,2-Dichlorobenzene-d4	11.68	152	46338	5.00	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	40109	5.212	ug/L 97
3) Chloromethane	1.25	50	33897	4.951	ug/L 100
5) Vinyl chloride	1.33	62	35901	4.898	ug/L 97
6) Bromomethane	1.54	94	21979	4.862	ug/L 97
8) Chloroethane	1.60	64	22632	5.120	ug/L 98
9) Trichlorofluoromethane	1.78	101	61377	5.130	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.15	101	35808	5.276	ug/L 99
12) 1,1-Dichloroethene	2.15	96	30662	5.056	ug/L 97
13) Acetone	2.22	43	51909	48.160	ug/L 100
14) Carbon disulfide	2.32	76	76351	4.645	ug/L 100
15) Methyl Acetate	2.47	43	13283	4.819	ug/L 97
16) Methylene chloride	2.54	84	33653	4.994	ug/L 96
17) Methyl tert-butyl Ether	2.81	73	75361	5.030	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	33324	4.985	ug/L 96
19) 1,1-Dichloroethane	3.23	63	60809	5.331	ug/L 99
21) 2-Butanone	4.05	43	86309	50.261	ug/L 99
22) cis-1,2-Dichloroethene	3.97	96	36405	5.379	ug/L 99

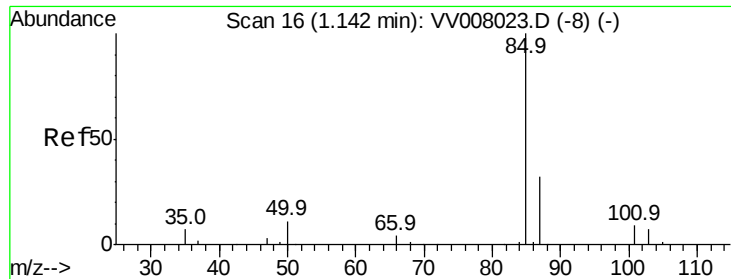
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100318\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	16633	5.651	ug/L	93
25) Chloroform	4.43	83	66538	5.394	ug/L	99
27) 1,2-Dichloroethane	5.19	62	39301	4.951	ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	57260	5.373	ug/L	98
30) Cyclohexane	4.73	56	49340	4.925	ug/L	100
31) Carbon tetrachloride	4.88	117	52826	5.623	ug/L	98
33) Benzene	5.15	78	136948	5.397	ug/L	100
34) Trichloroethene	5.96	95	37837	5.207	ug/L	98
35) Methylcyclohexane	6.18	83	55221	5.068	ug/L	99
37) 1,2-Dichloropropane	6.23	63	36352	5.607	ug/L	99
38) Bromodichloromethane	6.56	83	43290	5.585	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	47625	5.492	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	208473	51.234	ug/L	99
42) Toluene	7.43	91	152613	5.522	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	39248	5.445	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	25151	5.376	ug/L	98
47) Tetrachloroethene	8.02	164	35160	5.222	ug/L	97
48) 2-Hexanone	8.19	43	150725	53.259	ug/L	99
49) Dibromochloromethane	8.29	129	30636	5.736	ug/L	97
50) 1,2-Dibromoethane	8.40	107	23197	5.424	ug/L	97
51) Chlorobenzene	8.93	112	102637	5.377	ug/L	99
52) Ethylbenzene	9.06	91	162769	5.280	ug/L	99
53) m,p-xylene	9.18	106	62676	5.339	ug/L	100
54) o-xylene	9.59	106	60685	5.352	ug/L	99
55) Styrene	9.61	104	103690	5.355	ug/L	100
56) Isopropylbenzene	9.98	105	166123	5.409	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	28925	5.264	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	21426	5.312	ug/L	98
61) Bromoform	9.78	173	17117	5.948	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	84665	5.352	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	86885	5.282	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	82631	5.541	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	4222	5.558	ug/L	89
67) 1,3,5-Trichlorobenzene	12.70	180	73948	5.459	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	56756	4.957	ug/L	99
69) Naphthalene	13.56	128	70848	4.424	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	53238	5.135	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 5.212 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV008044.D

Acq: 03 Oct 2018 09:57

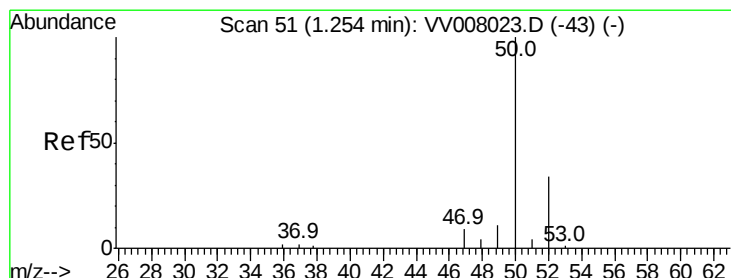
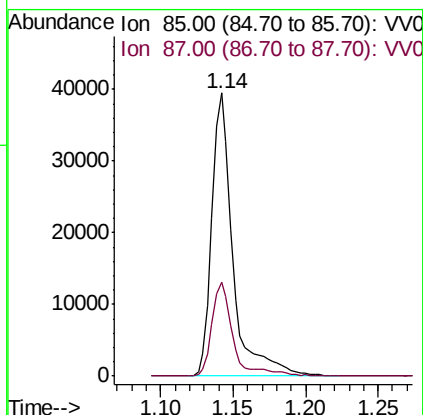
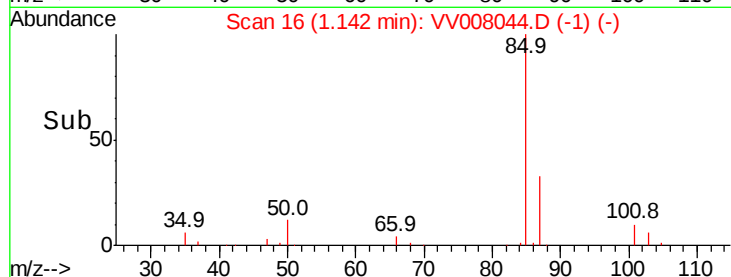
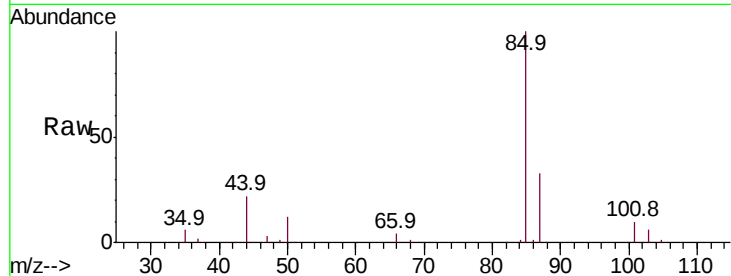
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 40109

Ion Ratio Lower Upper

85 100

87 32.9 25.2 37.8



#3

Chloromethane

Concen: 4.951 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV008044.D

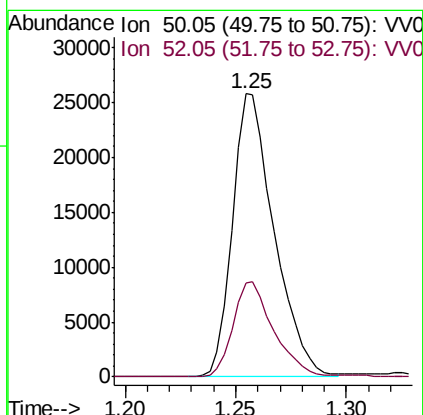
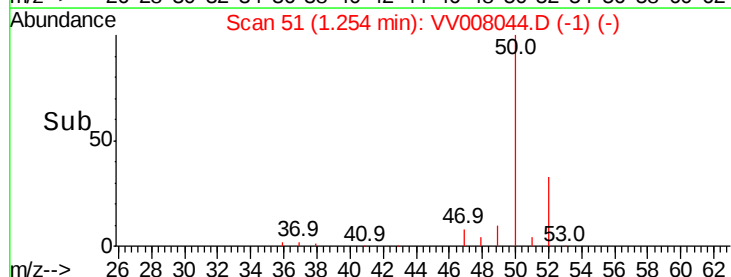
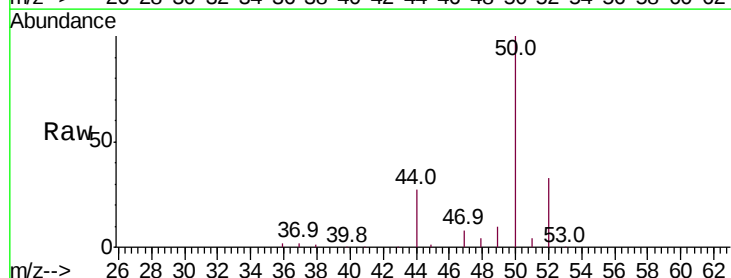
Acq: 03 Oct 2018 09:57

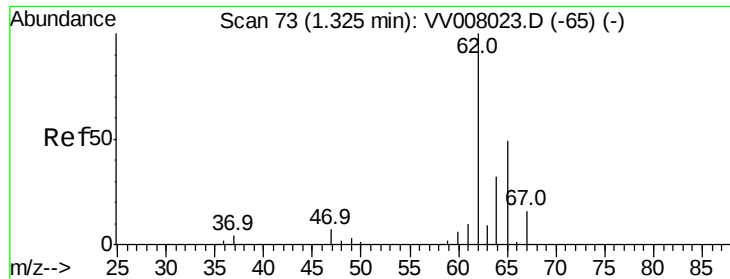
Tgt Ion: 50 Resp: 33897

Ion Ratio Lower Upper

50 100

52 33.3 23.4 43.4





#5

Vinyl chloride

Concen: 4.898 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV008044.D

Acq: 03 Oct 2018 09:57

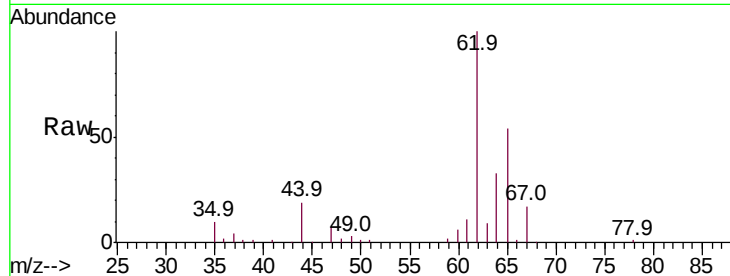
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 35901

Ion Ratio Lower Upper

62 100

64 32.8 24.0 44.6



Abundance Ion 62.00 (61.70 to 62.70): VV008044.D (-65) (-)

Ion 64.10 (63.80 to 64.80): VV008044.D (-65) (-)

1.33

40000

30000

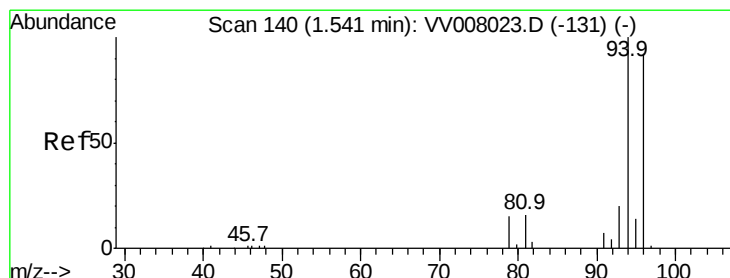
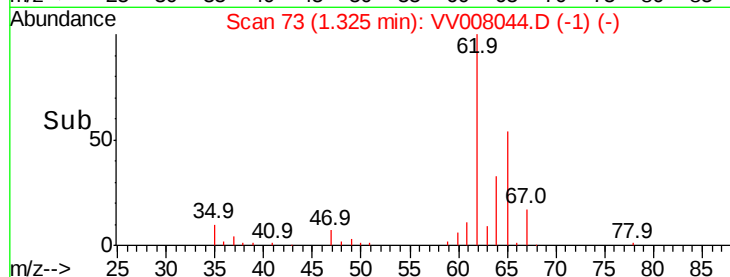
20000

10000

0

Time-->

1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 4.862 ug/L

RT: 1.54 min Scan# 140

Delta R.T. 0.00 min

Lab File: VV008044.D

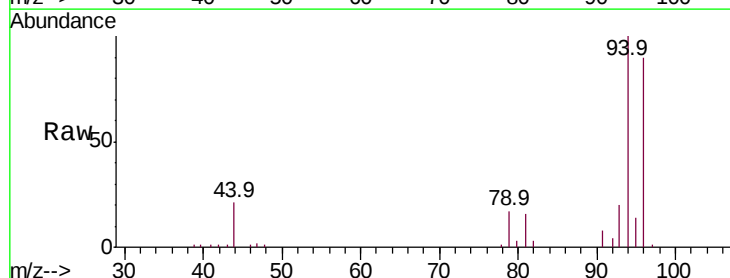
Acq: 03 Oct 2018 09:57

Tgt Ion: 94 Resp: 21979

Ion Ratio Lower Upper

94 100

96 90.1 65.2 121.2



Abundance Ion 94.00 (93.70 to 94.70): VV008044.D (-131) (-)

Ion 96.00 (95.70 to 96.70): VV008044.D (-131) (-)

1.54

20000

15000

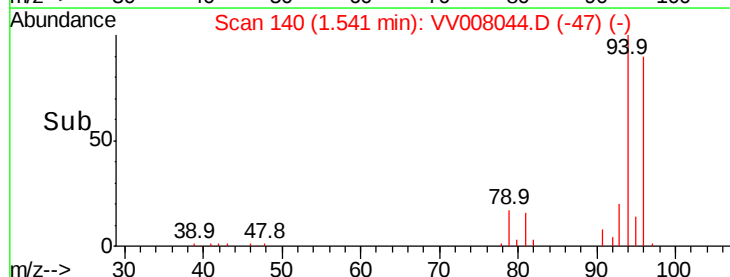
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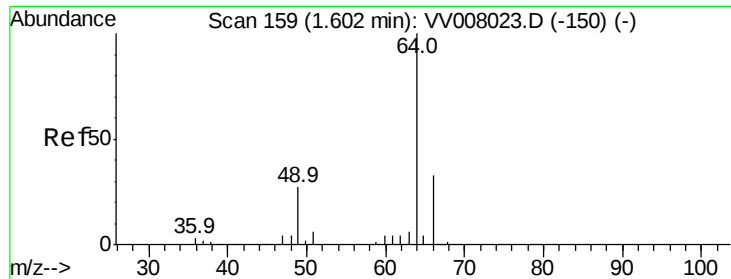
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0

Time-->

1.50 1.55 1.60

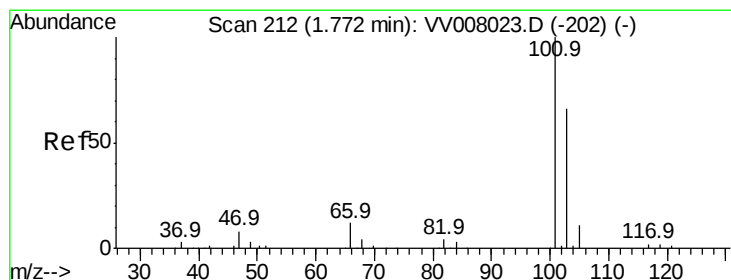
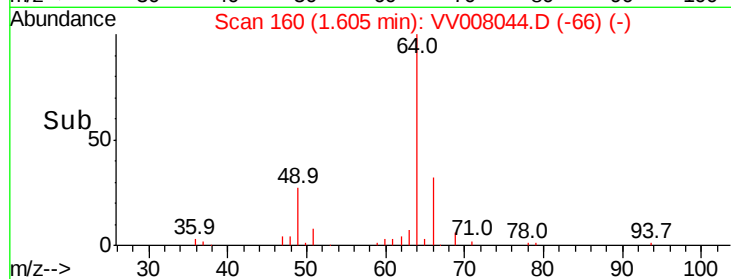
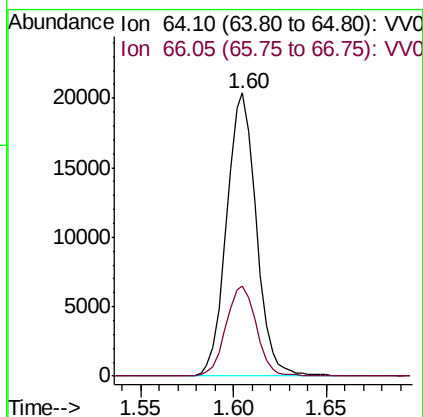
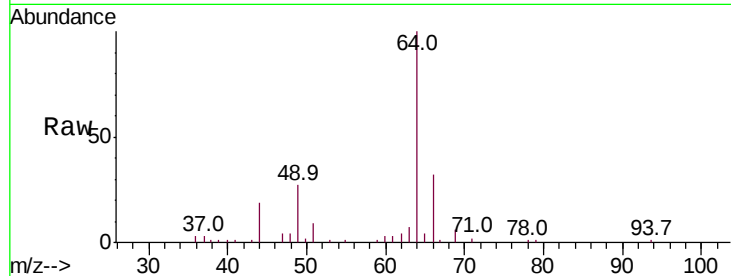




#8
Chloroethane
Concen: 5.120 ug/L
RT: 1.60 min Scan# 160
Delta R.T. 0.00 min
Lab File: VV008044.D
Acq: 03 Oct 2018 09:57

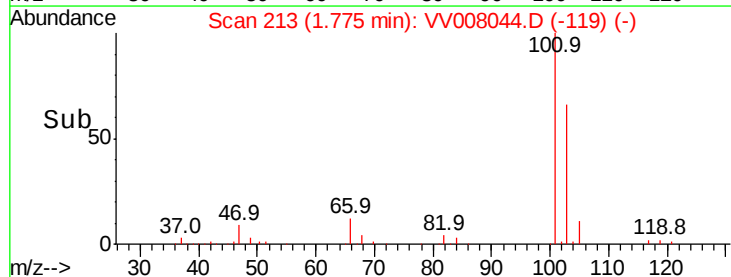
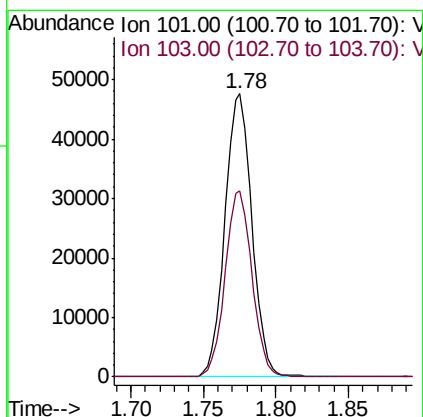
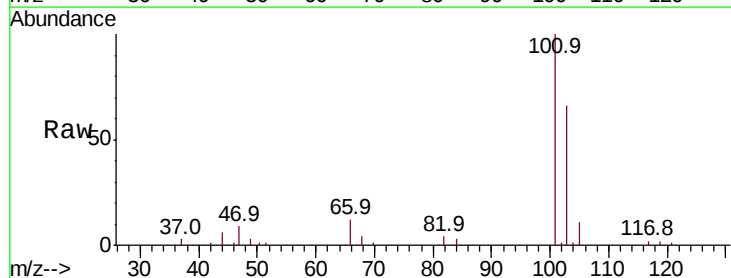
Instrument :
MSVOA_V
ClientSampleId :

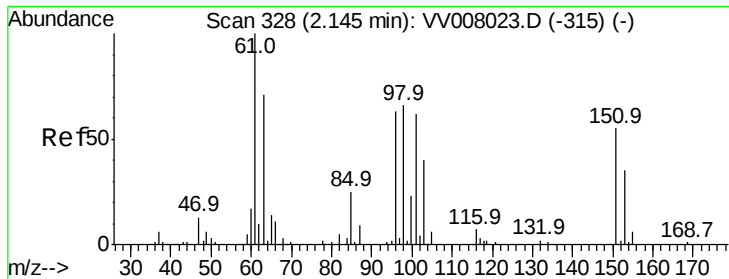
Tot Ion: 64 Resp: 22632
Ion Ratio Lower Upper
64 100
66 31.7 23.1 42.9



#9
Trichlorofluoromethane
Concen: 5.130 ug/L
RT: 1.78 min Scan# 213
Delta R.T. 0.00 min
Lab File: VV008044.D
Acq: 03 Oct 2018 09:57

Tgt Ion: 101 Resp: 61377
Ion Ratio Lower Upper
101 100
103 65.3 51.5 77.3





#10

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

Concen: 5.276 ug/L

RT: 2.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV008044.D

Acq: 03 Oct 2018 09:57

Instrument :
MSVOA_V
ClientSampled :

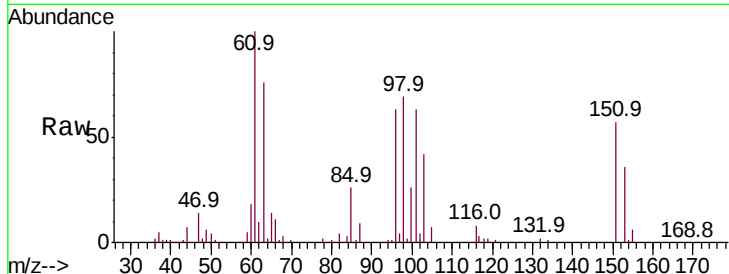
Tot Ion:101 Resp: 35808

Ion Ratio Lower Upper

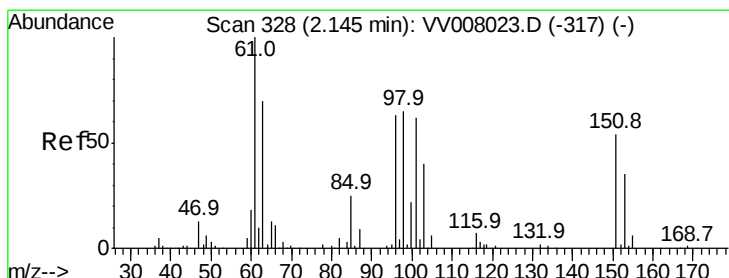
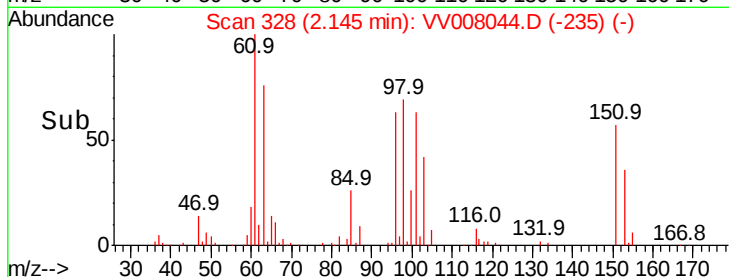
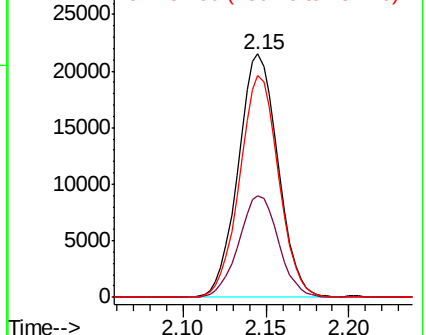
101 100

85 41.8 34.7 52.1

151 89.3 72.2 108.2



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: 5.056 ug/L

RT: 2.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV008044.D

Acq: 03 Oct 2018 09:57

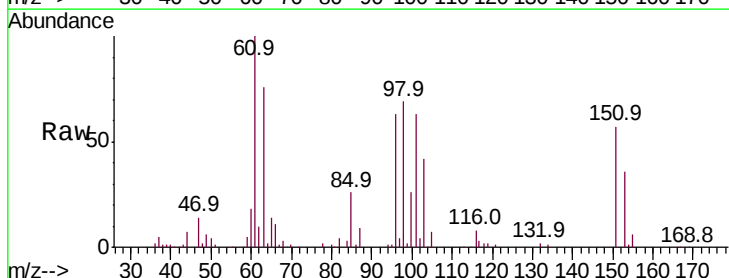
Tgt Ion: 96 Resp: 30662

Ion Ratio Lower Upper

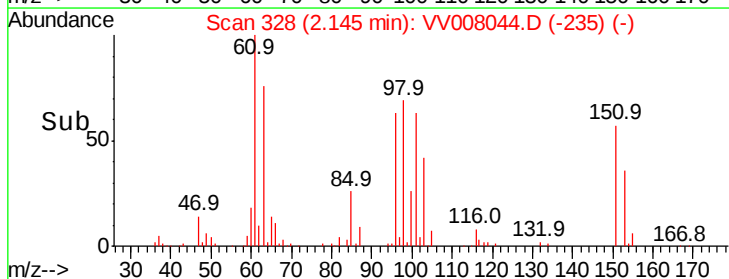
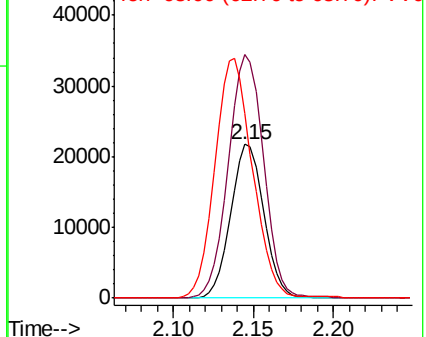
96 100

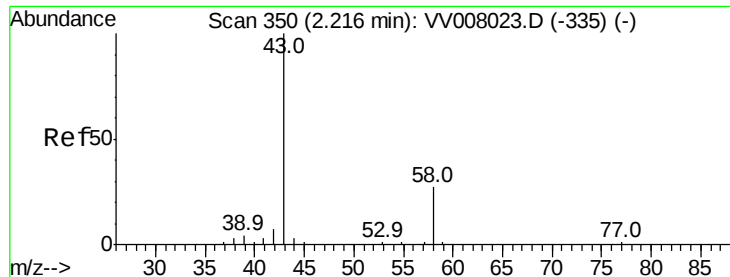
61 158.4 114.1 211.9

63 119.8 81.5 151.3



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: 48.160 ug/L

RT: 2.22 min Scan# 350

Delta R.T. 0.00 min

Lab File: VV008044.D

Acq: 03 Oct 2018 09:57

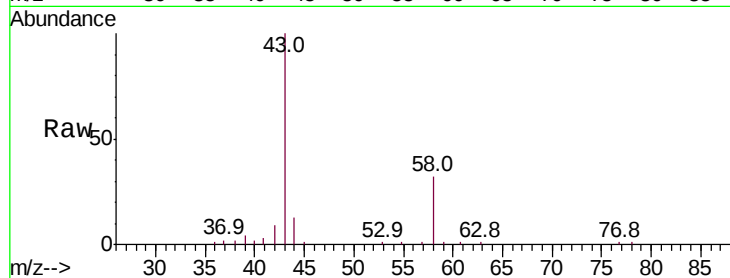
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 51909

Ion Ratio Lower Upper

43 100

58 31.1 0.0 62.0



Abundance Ion 43.05 (42.75 to 43.75): VV008023.D (-335) (-)

Ion 58.05 (57.75 to 58.75): VV008023.D (-335) (-)

2.22

25000

20000

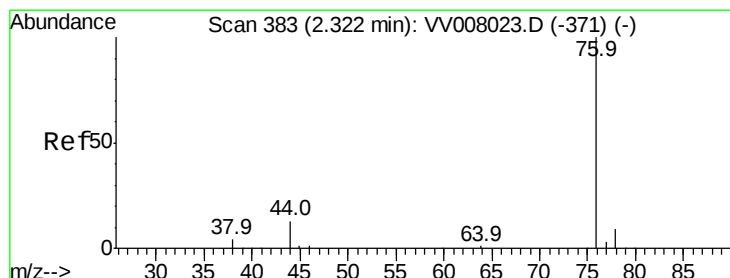
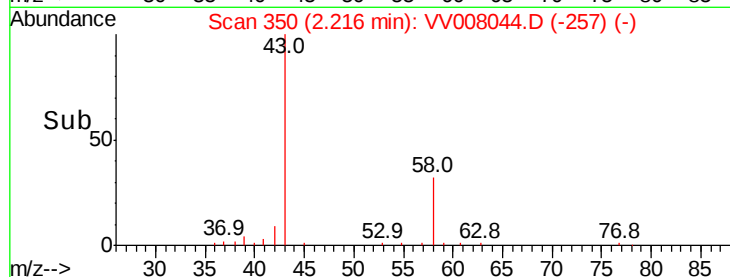
15000

10000

5000

0

Time--> 2.10 2.20 2.30



#14

Carbon disulfide

Concen: 4.645 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VV008044.D

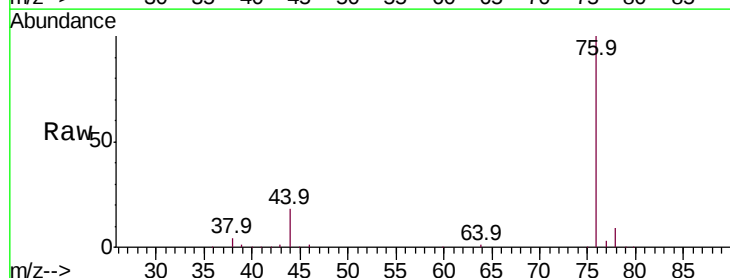
Acq: 03 Oct 2018 09:57

Tgt Ion: 76 Resp: 76351

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VV008023.D (-371) (-)

Ion 78.00 (77.70 to 78.70): VV008023.D (-371) (-)

2.32

60000

50000

40000

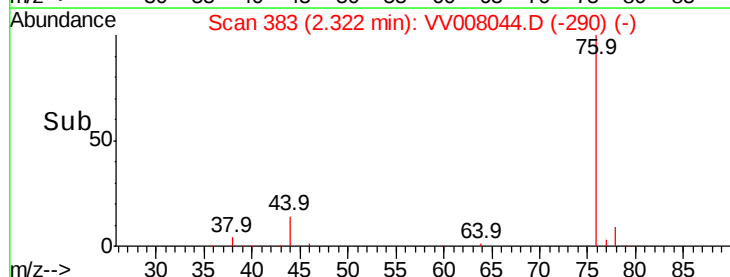
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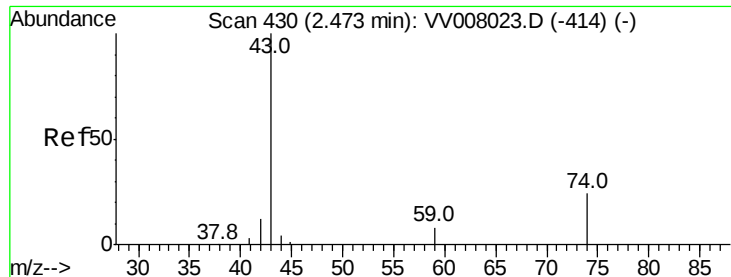
20000

10000

0

Time--> 2.25 2.30 2.35 2.40

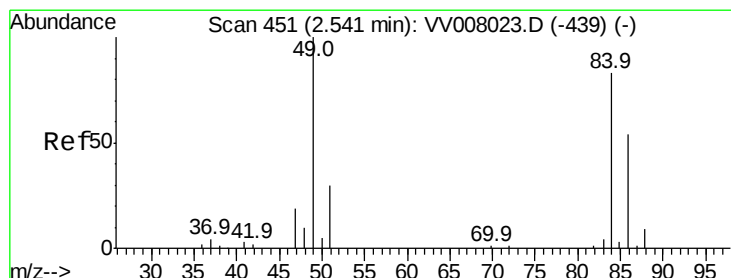
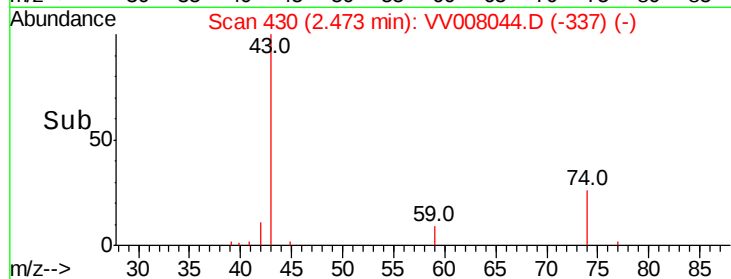
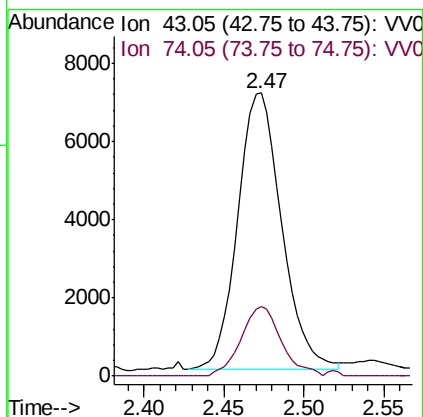
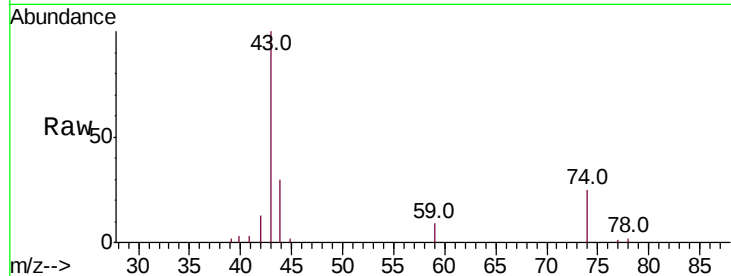




#15
Methyl Acetate
Concen: 4.819 ug/L
RT: 2.47 min Scan# 430
Delta R.T. 0.00 min
Lab File: VV008044.D
Acq: 03 Oct 2018 09:57

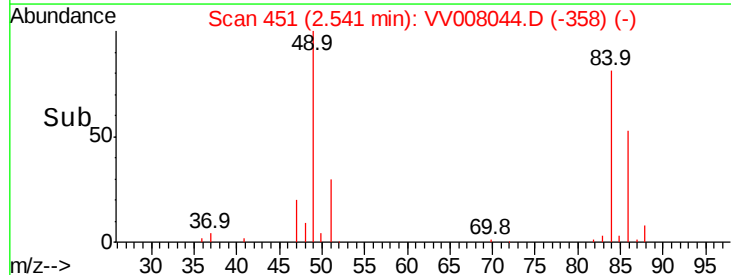
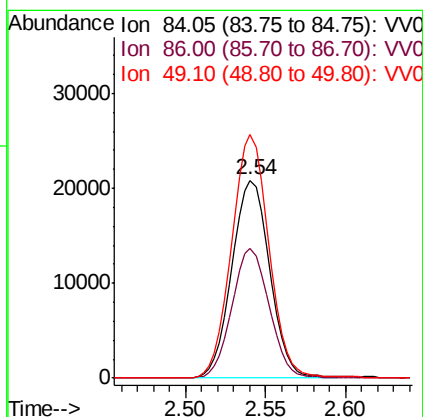
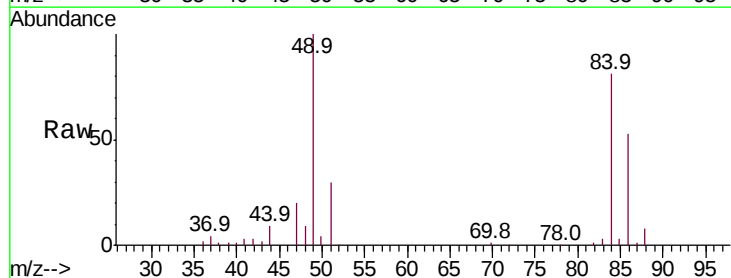
Instrument :
MSVOA_V
ClientSampled :

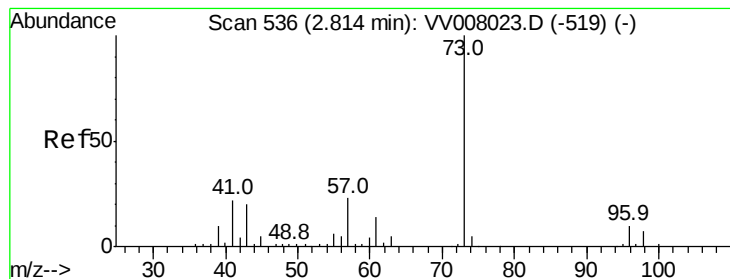
Tot Ion: 43 Resp: 13283
Ion Ratio Lower Upper
43 100
74 23.1 19.5 29.3



#16
Methylene chloride
Concen: 4.994 ug/L
RT: 2.54 min Scan# 451
Delta R.T. 0.00 min
Lab File: VV008044.D
Acq: 03 Oct 2018 09:57

Tgt Ion: 84 Resp: 33653
Ion Ratio Lower Upper
84 100
86 65.5 47.3 87.8
49 122.9 90.0 167.2



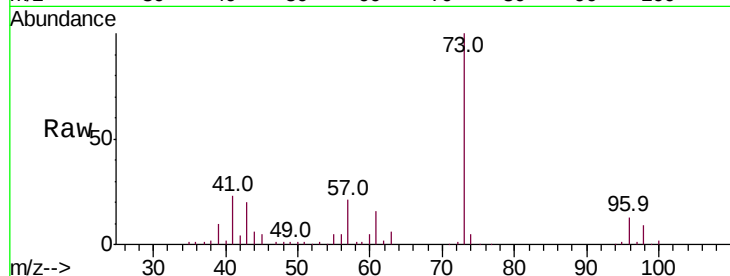


#17

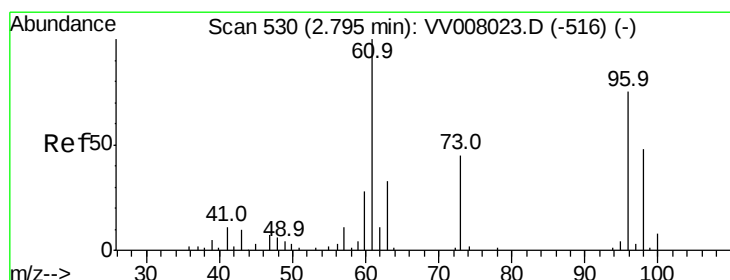
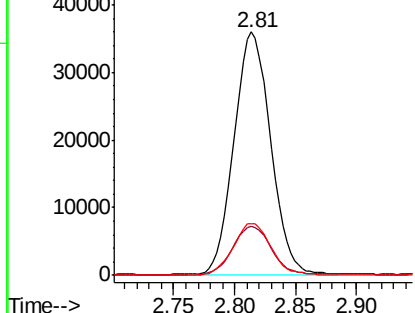
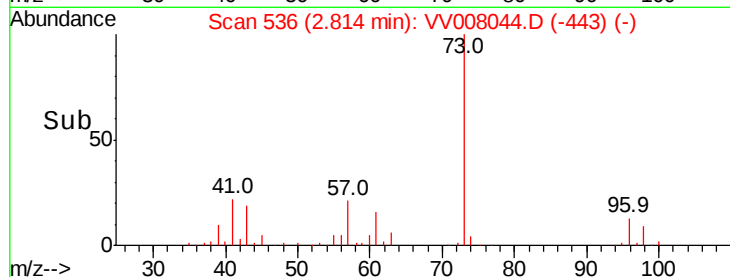
Methvl tert-butvl Ether
 Concen: 5.030 ug/L
 RT: 2.81 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VV008044.D
 Acq: 03 Oct 2018 09:57

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 73 Resp: 75361
 Ion Ratio Lower Upper
 73 100
 43 20.2 16.8 25.2
 57 22.1 17.6 26.4



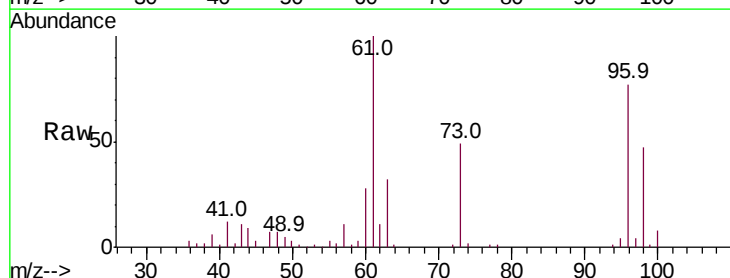
Abundance Ion 73.10 (72.80 to 73.80): VV0
 Ion 43.05 (42.75 to 43.75): VV0
 Ion 57.10 (56.80 to 57.80): VV0



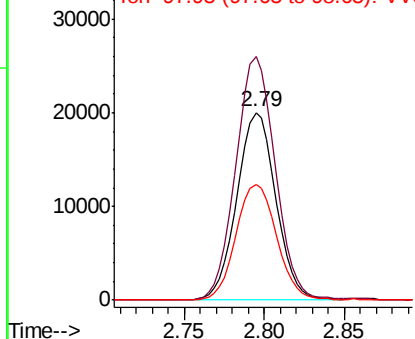
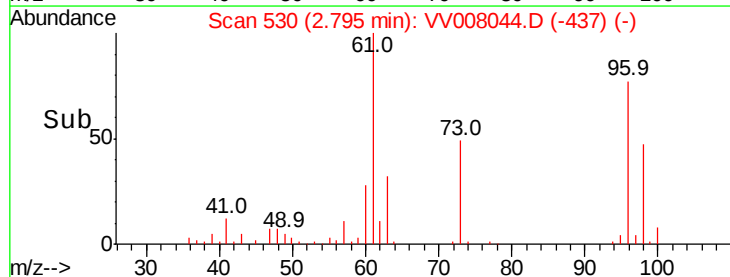
#18

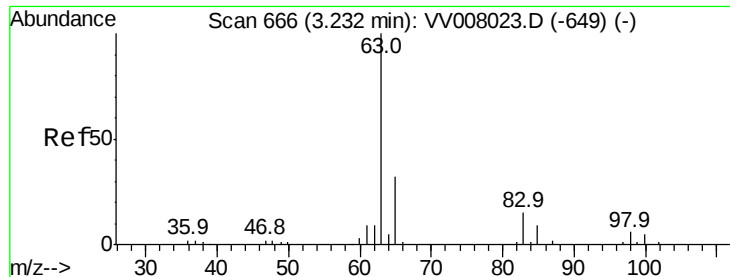
trans-1,2-Dichloroethene
 Concen: 4.985 ug/L
 RT: 2.79 min Scan# 530
 Delta R.T. 0.00 min
 Lab File: VV008044.D
 Acq: 03 Oct 2018 09:57

Tgt Ion: 96 Resp: 33324
 Ion Ratio Lower Upper
 96 100
 61 129.9 94.2 175.0
 98 61.7 44.9 83.5



Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 97.95 (97.65 to 98.65): VV0





#19

1,1-Dichloroethane

Concen: 5.331 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.00 min

Lab File: VV008044.D

Acq: 03 Oct 2018 09:57

Instrument :

MSVOA_V

ClientSampleId :

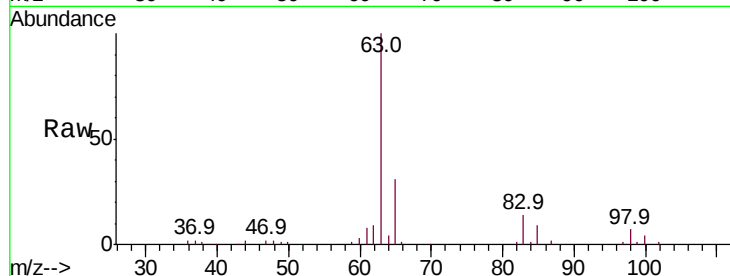
Tot Ion: 63 Resp: 60809

Ion Ratio Lower Upper

63 100

65 31.1 22.3 41.5

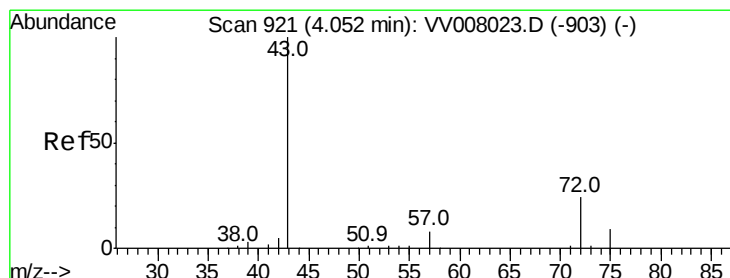
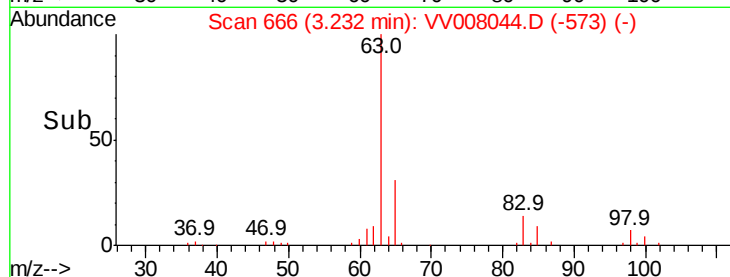
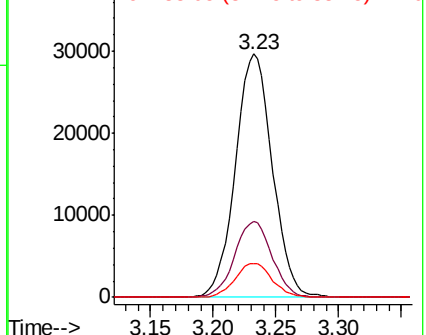
83 14.0 9.8 18.2



Abundance Ion 63.10 (62.80 to 63.80): VV008023.D (-649) (-)

Ion 65.10 (64.80 to 65.80): VV008023.D (-649) (-)

Ion 83.05 (82.75 to 83.75): VV008023.D (-649) (-)



#21

2-Butanone

Concen: 50.261 ug/L

RT: 4.05 min Scan# 920

Delta R.T. -0.00 min

Lab File: VV008044.D

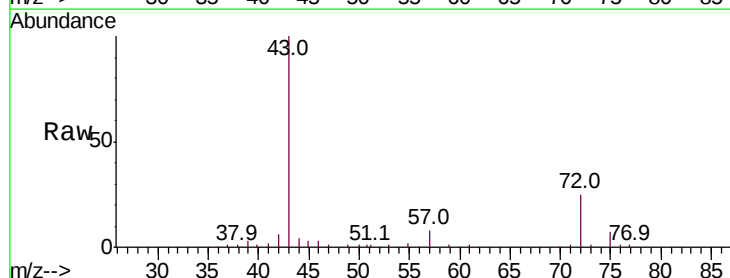
Acq: 03 Oct 2018 09:57

Tgt Ion: 43 Resp: 86309

Ion Ratio Lower Upper

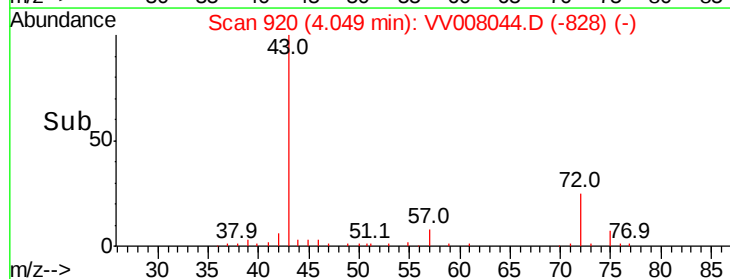
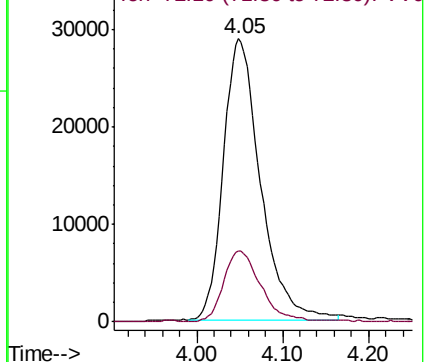
43 100

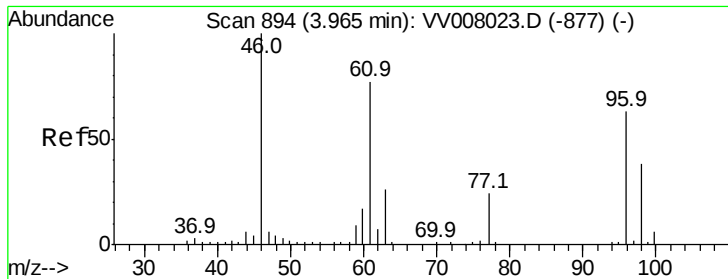
72 25.3 12.5 37.5



Abundance Ion 43.05 (42.75 to 43.75): VV008023.D (-903) (-)

Ion 72.10 (71.80 to 72.80): VV008023.D (-903) (-)



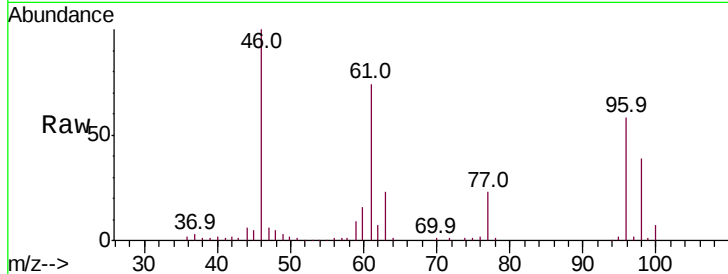


#22

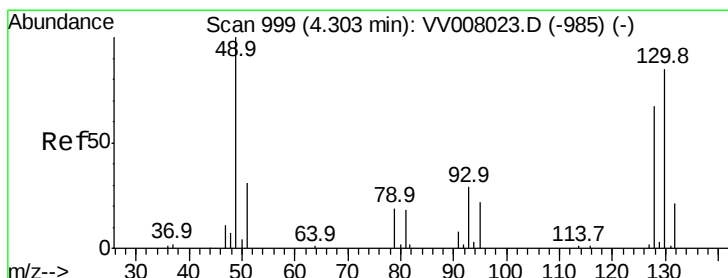
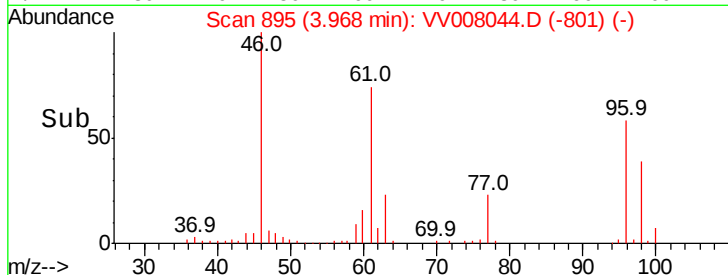
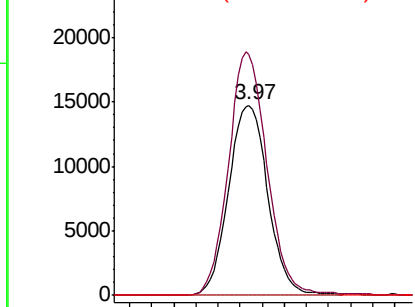
cis-1,2-Dichloroethene
Concen: 5.379 ug/L
RT: 3.97 min Scan# 895
Delta R.T. 0.00 min
Lab File: VV008044.D
Acq: 03 Oct 2018 09:57

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 96 Resp: 36405
Ion Ratio Lower Upper
96 100
61 126.7 89.5 166.1
68 0.0 0.0 0.0



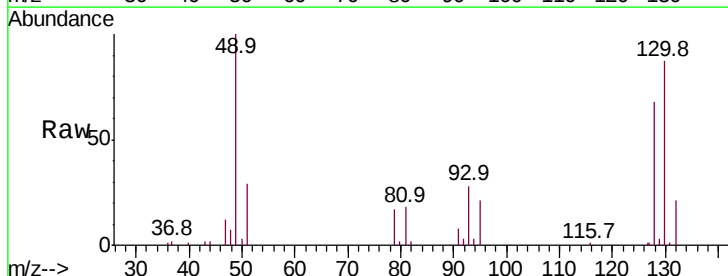
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



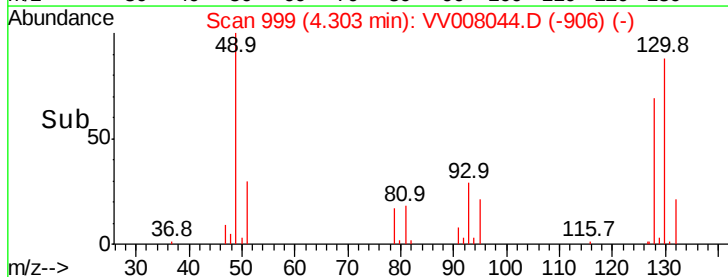
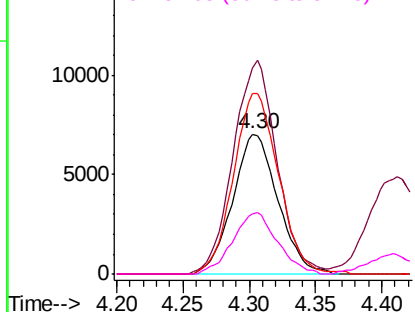
#23

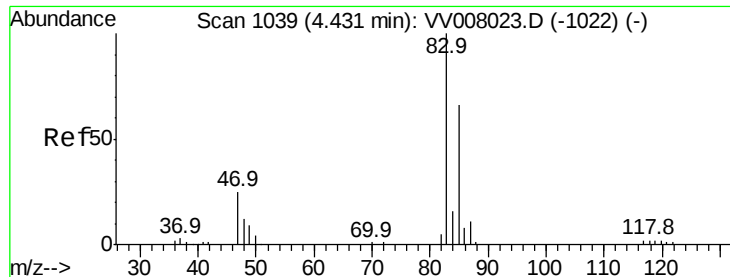
Bromochloromethane
Concen: 5.651 ug/L
RT: 4.30 min Scan# 999
Delta R.T. 0.00 min
Lab File: VV008044.D
Acq: 03 Oct 2018 09:57

Tgt Ion: 128 Resp: 16633
Ion Ratio Lower Upper
128 100
49 147.5 112.8 209.4
130 128.4 92.3 171.5
51 43.3 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

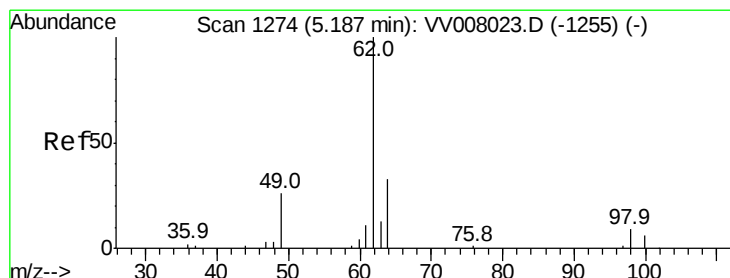
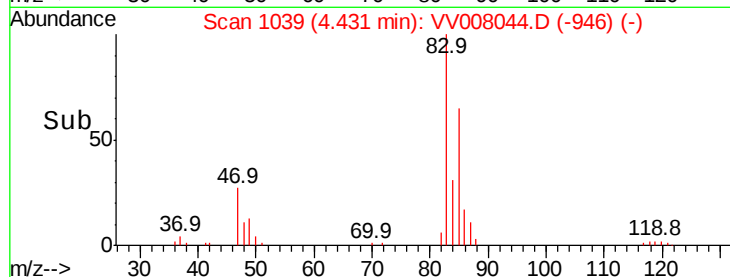
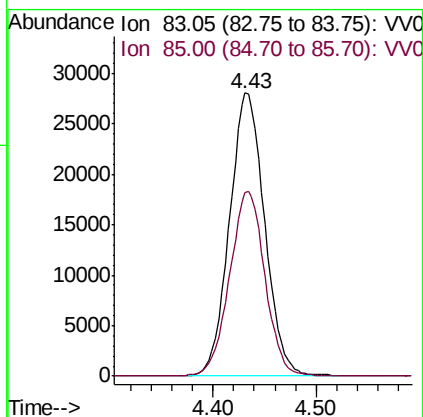
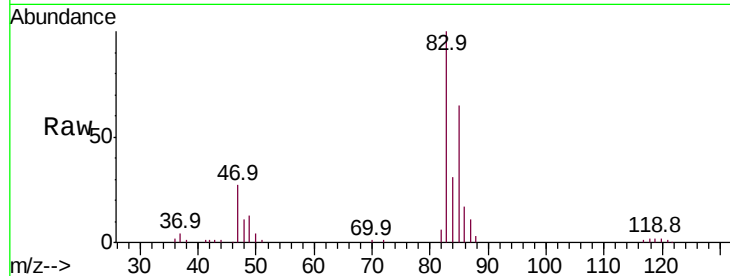




#25
Chloroform
Concen: 5.394 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VV008044.D
Acq: 03 Oct 2018 09:57

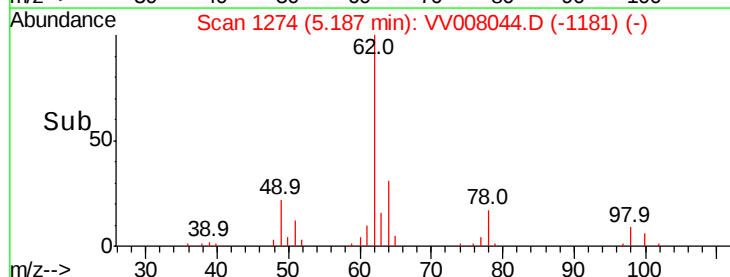
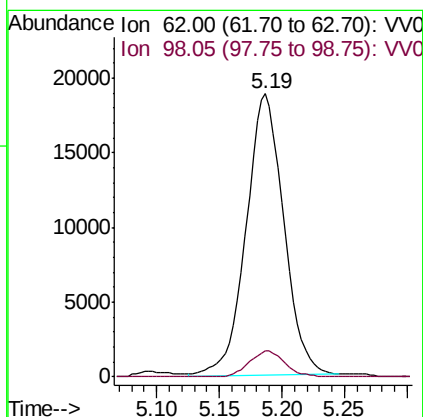
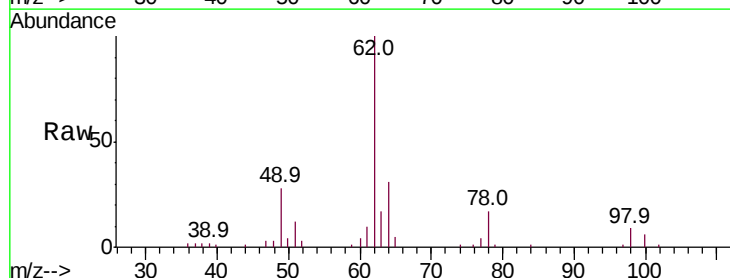
Instrument :
MSVOA_V
ClientSampled :

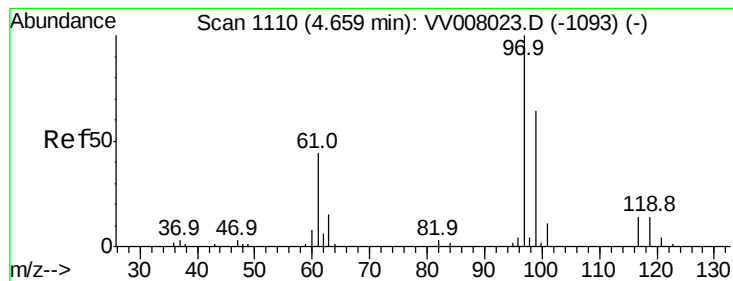
Tot Ion: 83 Resp: 66538
Ion Ratio Lower Upper
83 100
85 64.9 44.8 83.2



#27
1,2-Dichloroethane
Concen: 4.951 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. 0.00 min
Lab File: VV008044.D
Acq: 03 Oct 2018 09:57

Tgt Ion: 62 Resp: 39301
Ion Ratio Lower Upper
62 100
98 9.1 6.6 10.0





#29

1,1,1-Trichloroethane

Concen: 5.373 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VV008044.D

Acq: 03 Oct 2018 09:57

Instrument :

MSVOA_V

ClientSampleId :

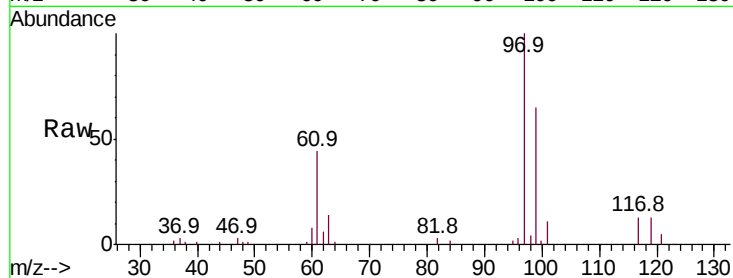
Tot Ion: 97 Resp: 57260

Ion Ratio Lower Upper

97 100

99 66.3 51.2 76.8

61 43.9 34.6 52.0

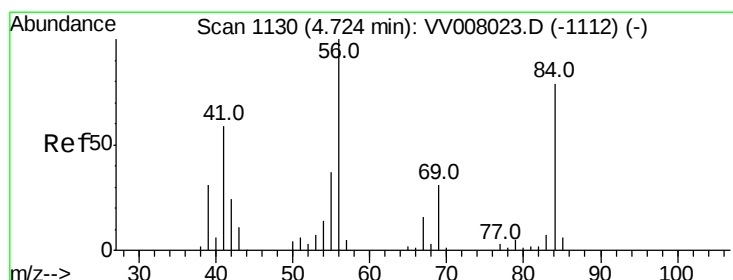
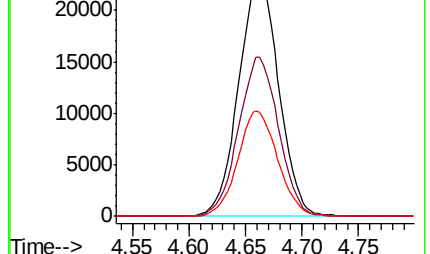
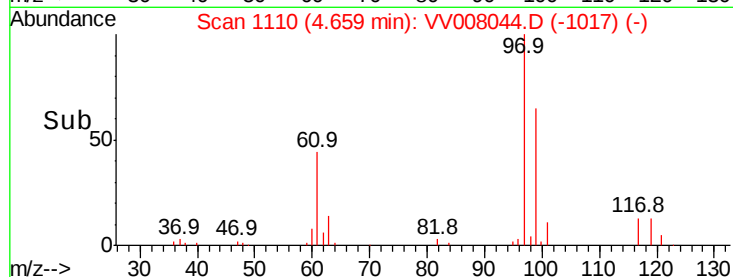


Abundance Ion 96.95 (96.65 to 97.65): VV008023.D (-1093) (-)

Ion 99.05 (98.75 to 99.75): VV008023.D (-1093) (-)

Ion 61.05 (60.75 to 61.75): VV008023.D (-1093) (-)

Time-->



#30

Cyclohexane

Concen: 4.925 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VV008044.D

Acq: 03 Oct 2018 09:57

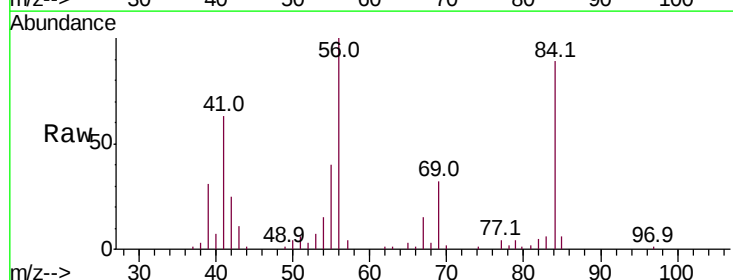
Tgt Ion: 56 Resp: 49340

Ion Ratio Lower Upper

56 100

69 31.1 24.2 36.4

84 87.4 69.8 104.8

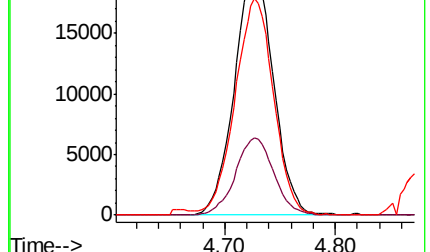
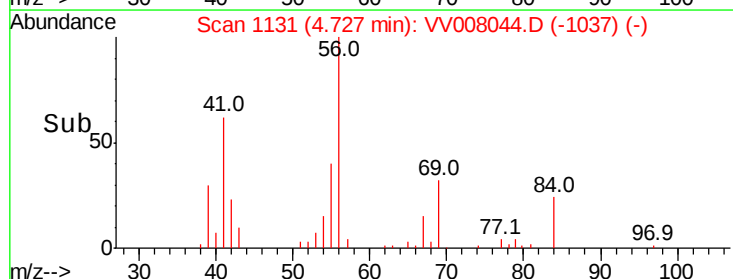


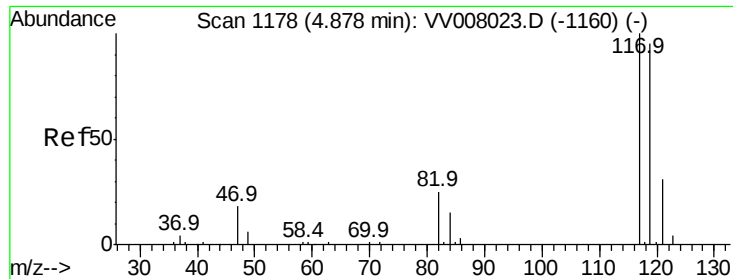
Abundance Ion 56.10 (55.80 to 56.80): VV008023.D (-1112) (-)

Ion 69.15 (68.85 to 69.85): VV008023.D (-1112) (-)

Ion 84.15 (83.85 to 84.85): VV008023.D (-1112) (-)

Time-->





#31

Carbon tetrachloride

Concen: 5.623 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV008044.D

Acq: 03 Oct 2018 09:57

Instrument :

MSVOA_V

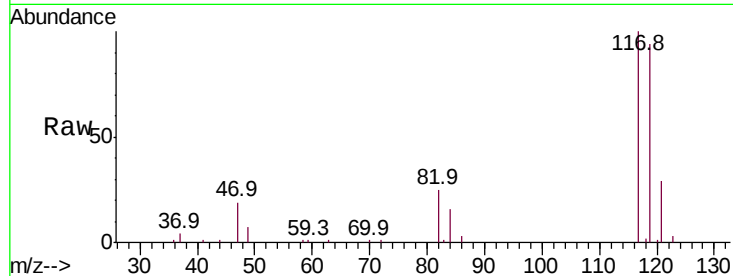
ClientSampled :

Tot Ion:117 Resp: 52826

Ion Ratio Lower Upper

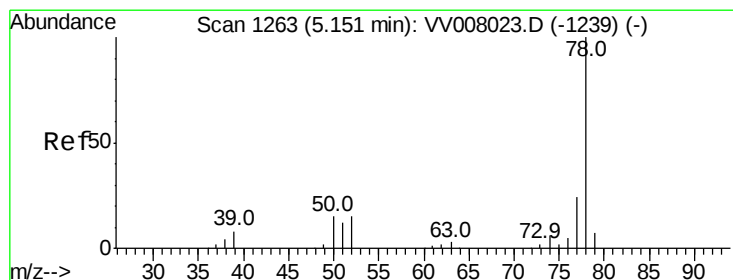
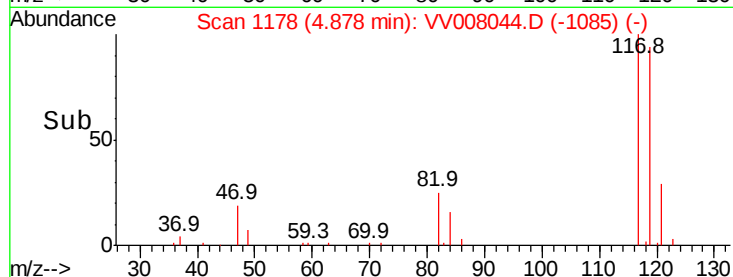
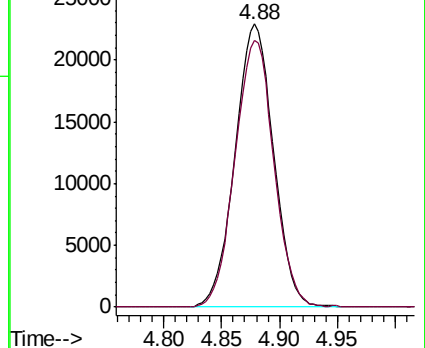
117 100

119 95.2 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: 5.397 ug/L

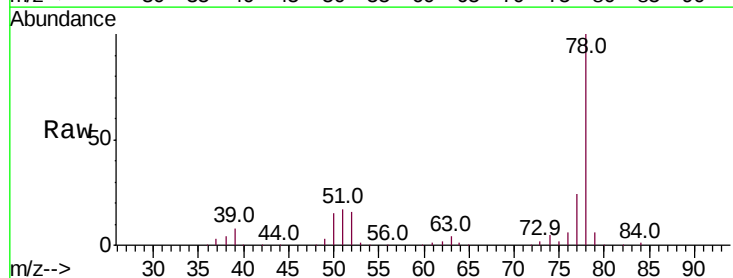
RT: 5.15 min Scan# 1263

Delta R.T. 0.00 min

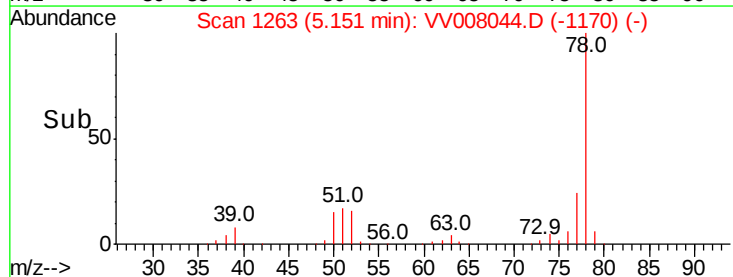
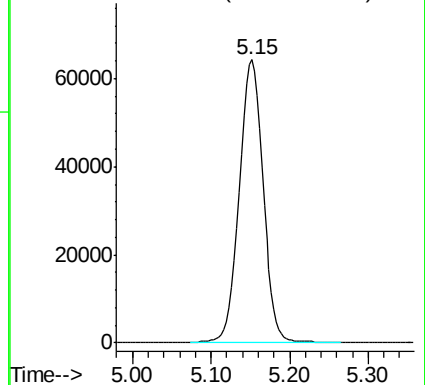
Lab File: VV008044.D

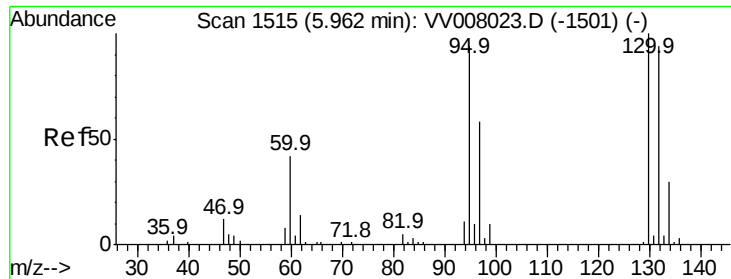
Acq: 03 Oct 2018 09:57

Tgt Ion: 78 Resp: 136948



Abundance Ion 78.10 (77.80 to 78.80): VV0

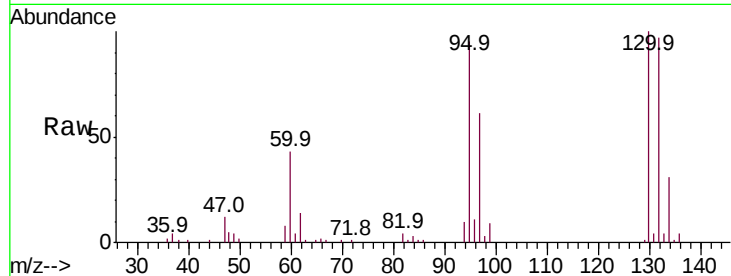




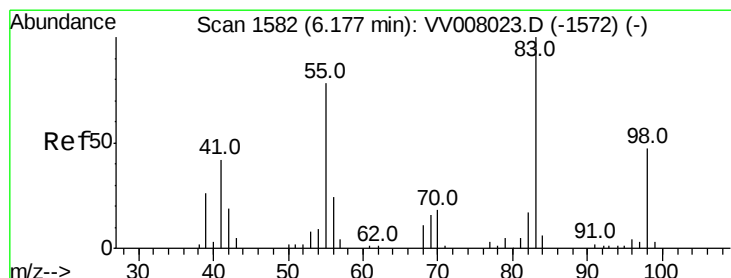
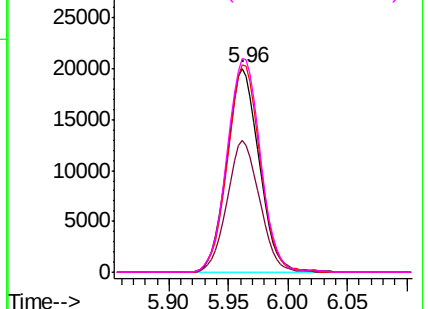
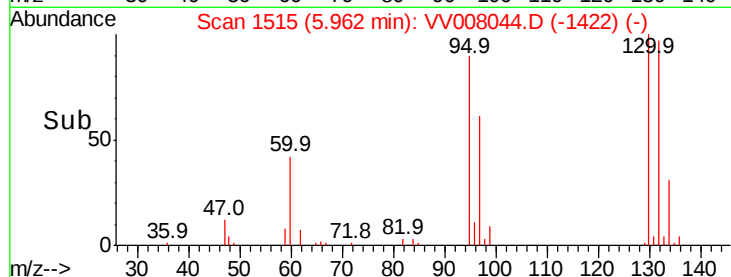
#34
 Trichloroethene
 Concen: 5.207 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. 0.00 min
 Lab File: VV008044.D
 Acq: 03 Oct 2018 09:57

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 37837
 Ion Ratio Lower Upper
 95 100
 97 64.4 43.6 81.0
 132 102.0 69.9 129.9
 130 104.7 71.7 133.3

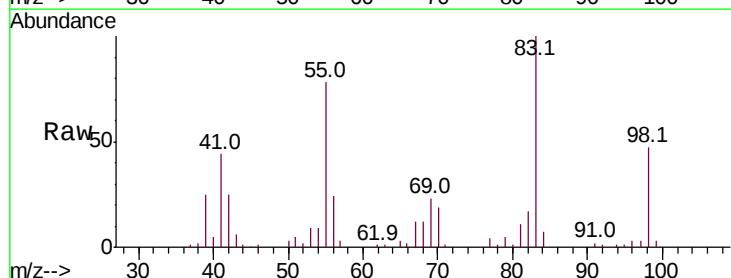


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

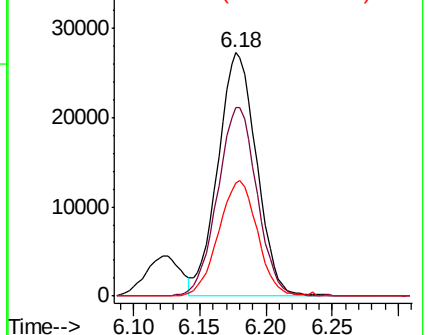
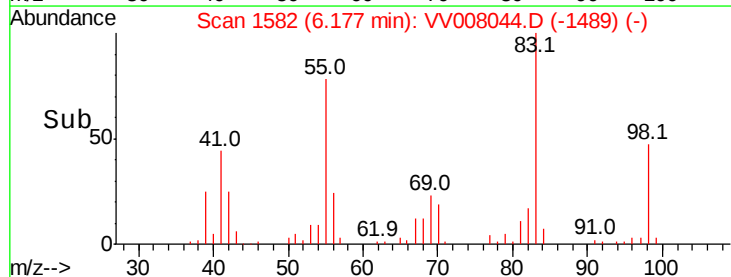


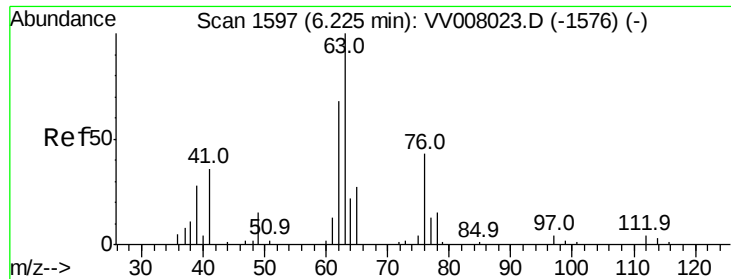
#35
 Methylcyclohexane
 Concen: 5.068 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VV008044.D
 Acq: 03 Oct 2018 09:57

Tgt Ion: 83 Resp: 55221
 Ion Ratio Lower Upper
 83 100
 55 78.8 62.2 93.2
 98 47.6 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

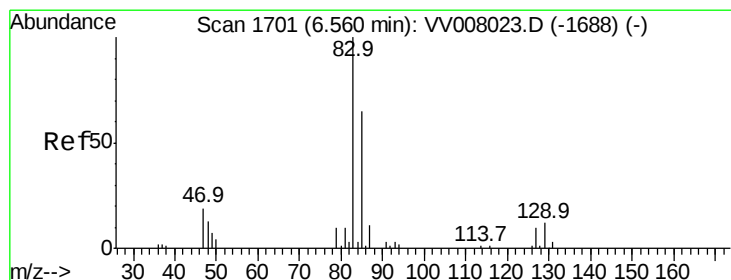
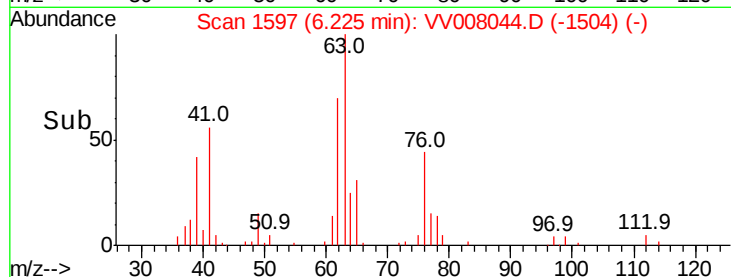
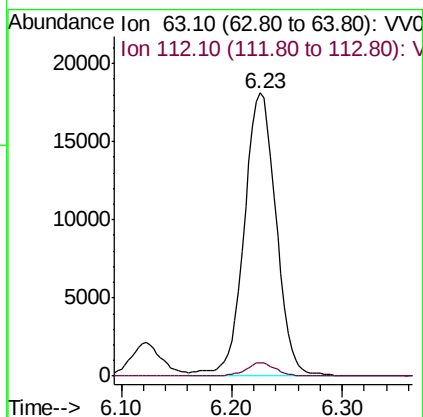
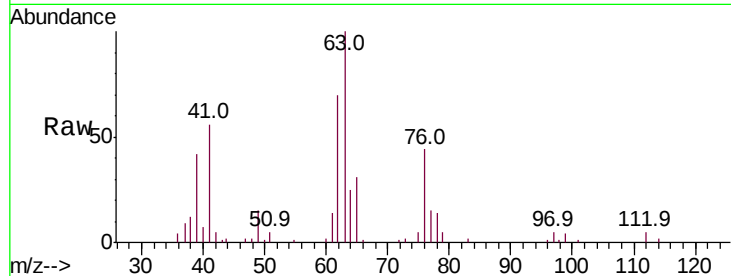




#37
 1,2-Dichloropropane
 Concen: 5.607 ug/L
 RT: 6.23 min Scan# 1597
 Delta R.T. 0.00 min
 Lab File: VV008044.D
 Acq: 03 Oct 2018 09:57

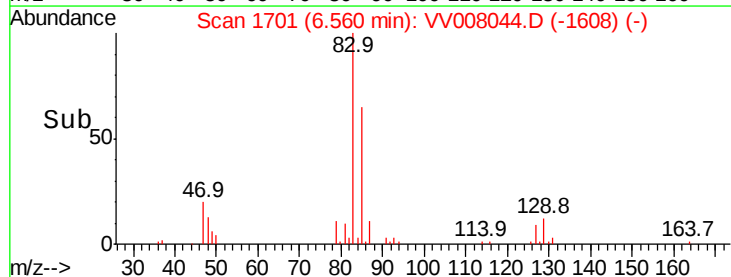
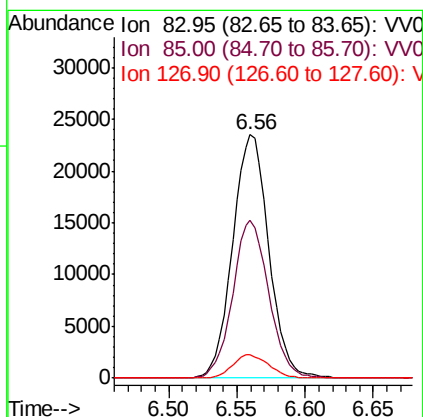
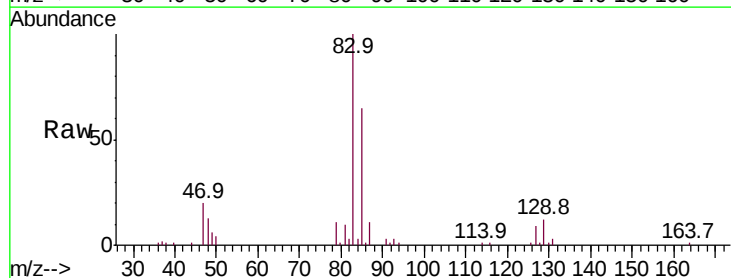
Instrument :
 MSVOA_V
 ClientSampleId :

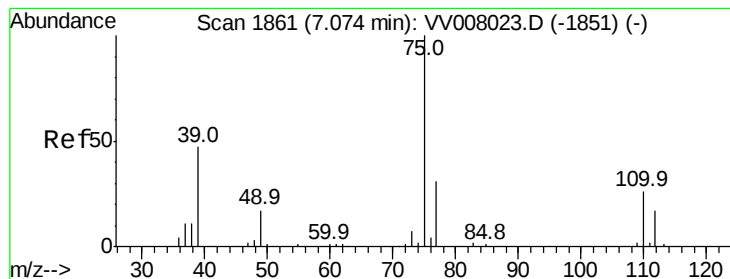
Tot Ion: 63 Resp: 36352
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.4 5.0



#38
 Bromodichloromethane
 Concen: 5.585 ug/L
 RT: 6.56 min Scan# 1701
 Delta R.T. 0.00 min
 Lab File: VV008044.D
 Acq: 03 Oct 2018 09:57

Tgt Ion: 83 Resp: 43290
 Ion Ratio Lower Upper
 83 100
 85 64.7 44.7 82.9
 127 9.5 7.8 11.6



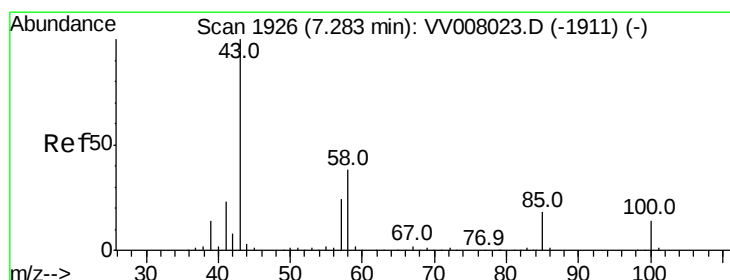
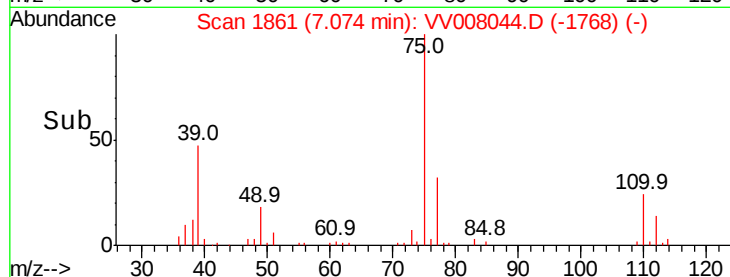
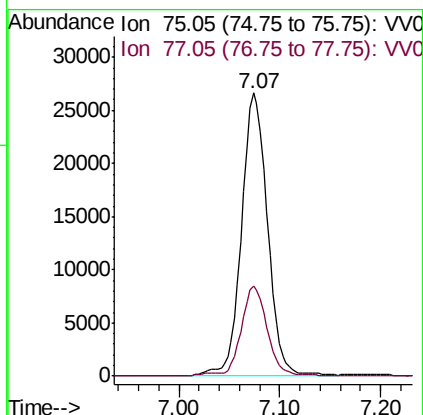
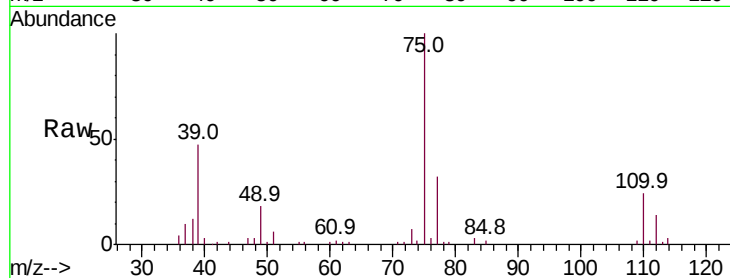


#39

cis-1,3-Dichloropropene
Concen: 5.492 ug/L
RT: 7.07 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VV008044.D
Acq: 03 Oct 2018 09:57

Instrument :
MSVOA_V
ClientSampleId :

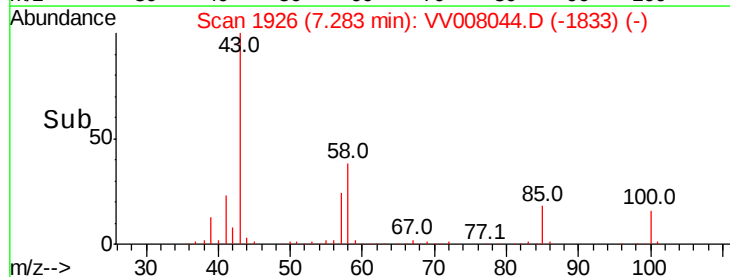
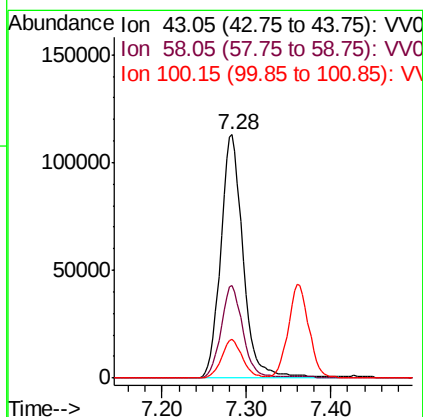
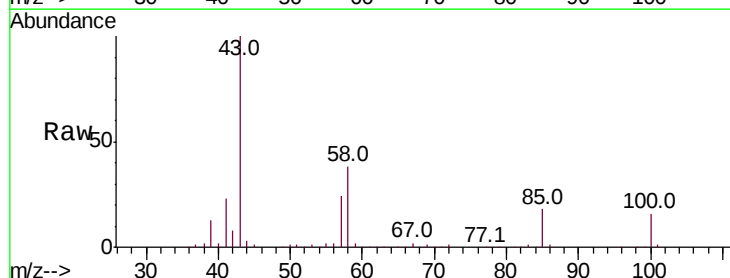
Tot Ion: 75 Resp: 47625
Ion Ratio Lower Upper
75 100
77 32.0 22.9 42.5

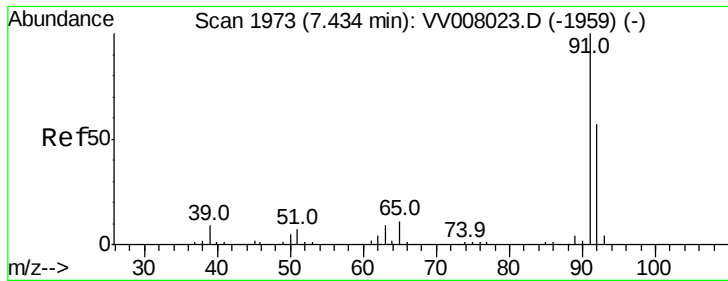


#40

4-Methyl-2-pentanone
Concen: 51.234 ug/L
RT: 7.28 min Scan# 1926
Delta R.T. 0.00 min
Lab File: VV008044.D
Acq: 03 Oct 2018 09:57

Tgt Ion: 43 Resp: 208473
Ion Ratio Lower Upper
43 100
58 37.0 29.4 44.0
100 14.8 11.5 17.3





#42

Toluene

Concen: 5.522 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV008044.D

Acq: 03 Oct 2018 09:57

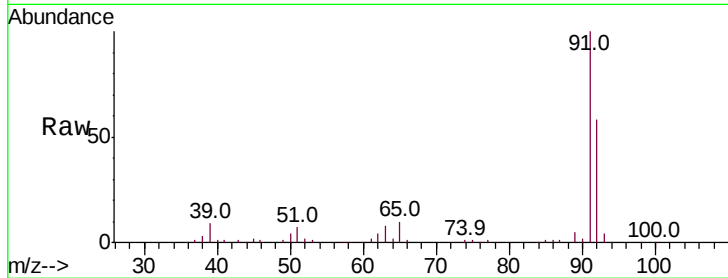
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 152613

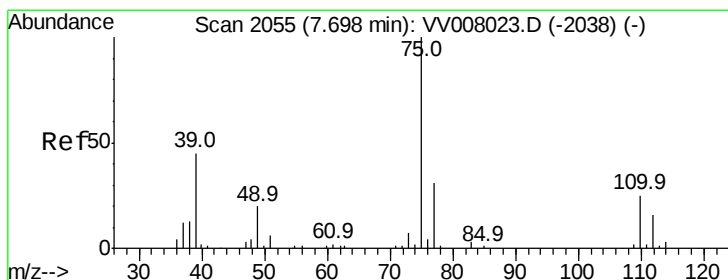
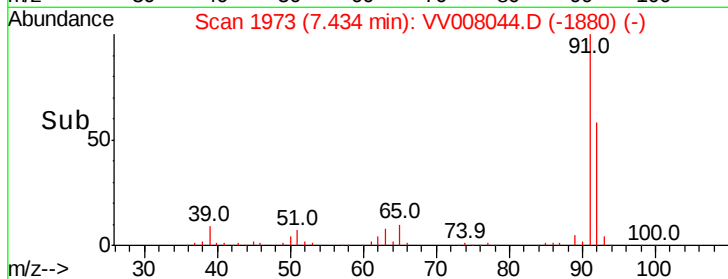
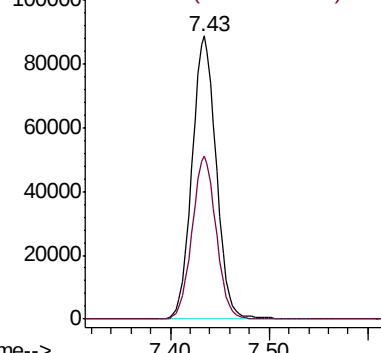
Ion Ratio Lower Upper

91 100

92 57.5 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: 5.445 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV008044.D

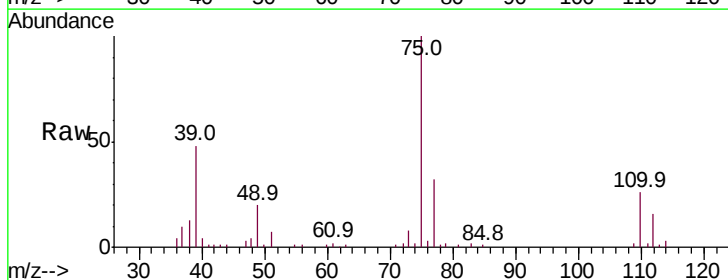
Acq: 03 Oct 2018 09:57

Tgt Ion: 75 Resp: 39248

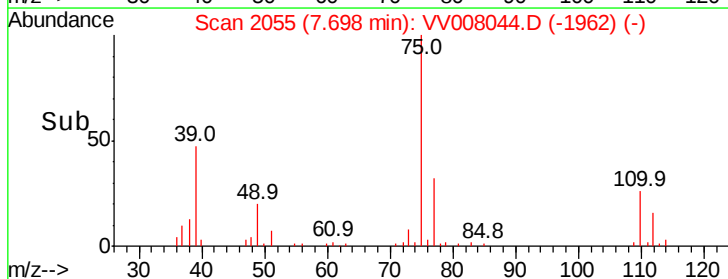
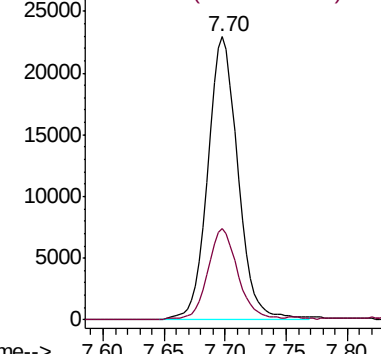
Ion Ratio Lower Upper

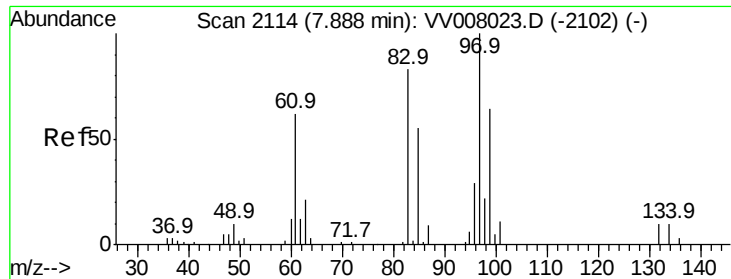
75 100

77 32.2 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: 5.376 ug/L

RT: 7.89 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VV008044.D

Acq: 03 Oct 2018 09:57

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 97 Resp: 25151

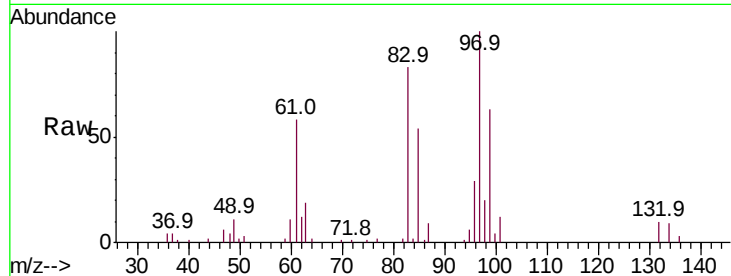
Ion Ratio Lower Upper

97 100

99 63.3 43.5 80.9

83 83.0 59.7 110.9

85 53.9 39.5 73.3

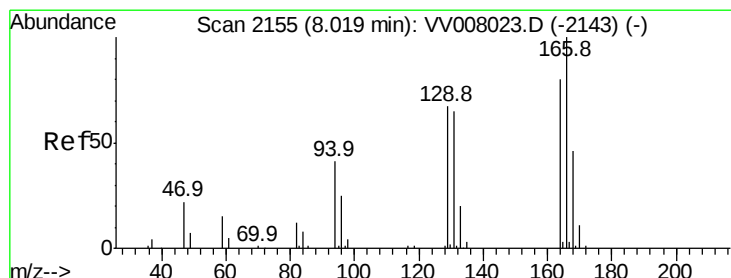
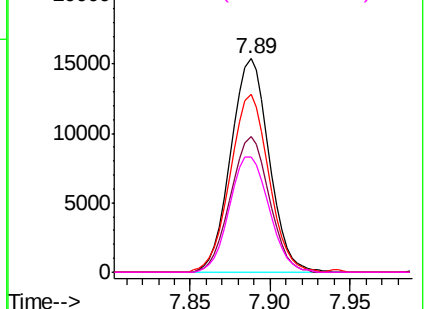
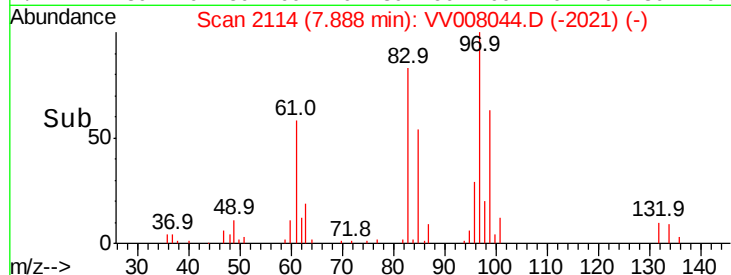


Abundance Ion 96.95 (96.65 to 97.65): VV008044.D (-2021) (-)

Ion 99.05 (98.75 to 99.75): VV008044.D (-2021) (-)

Ion 82.95 (82.65 to 83.65): VV008044.D (-2021) (-)

Ion 85.00 (84.70 to 85.70): VV008044.D (-2021) (-)



#47

Tetrachloroethene

Concen: 5.222 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV008044.D

Acq: 03 Oct 2018 09:57

Tgt Ion:164 Resp: 35160

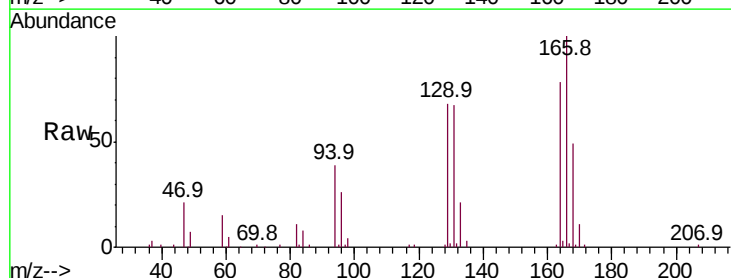
Ion Ratio Lower Upper

164 100

129 87.7 59.2 110.0

131 86.3 57.1 106.1

166 128.2 88.6 164.6

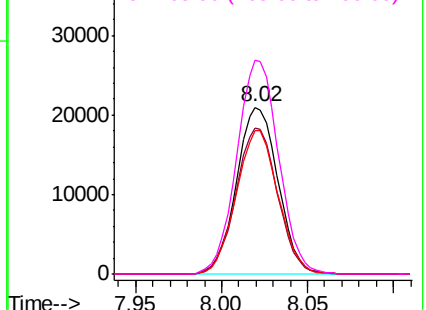
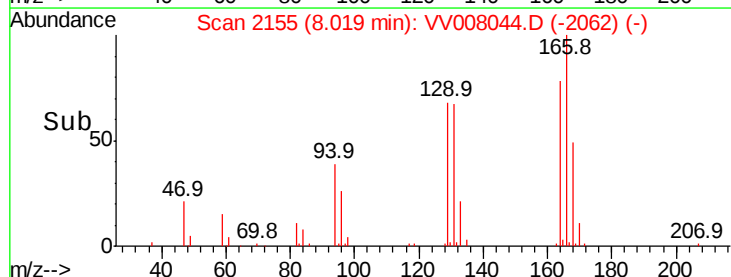


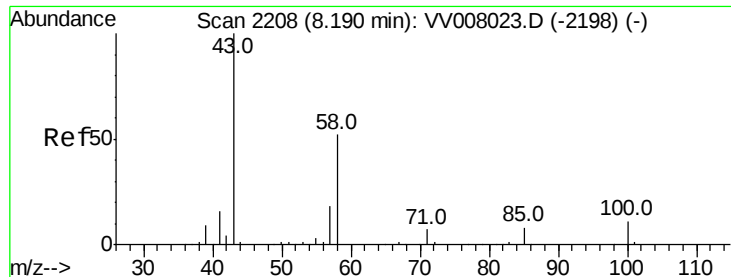
Abundance Ion 163.90 (163.60 to 164.60): VV008044.D (-2062) (-)

Ion 128.95 (128.65 to 129.65): VV008044.D (-2062) (-)

Ion 130.95 (130.65 to 131.65): VV008044.D (-2062) (-)

Ion 165.90 (165.60 to 166.60): VV008044.D (-2062) (-)

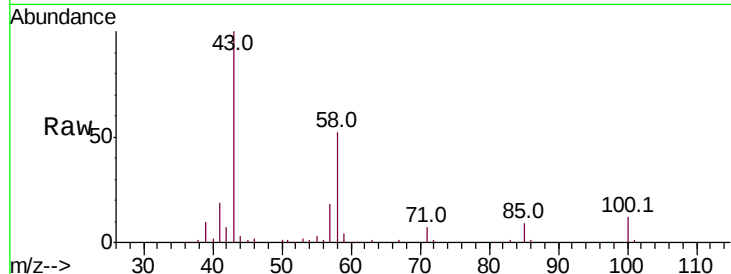




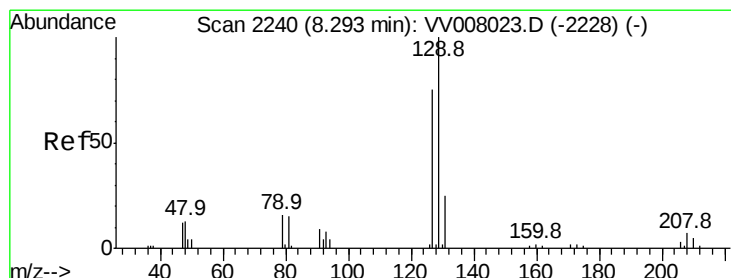
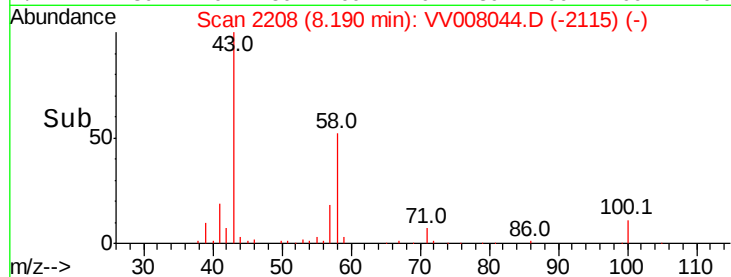
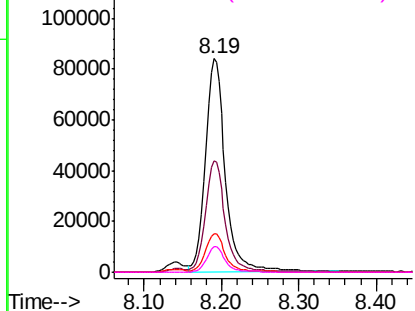
#48
2-Hexanone
Concen: 53.259 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV008044.D
Acq: 03 Oct 2018 09:57

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 150725
Ion Ratio Lower Upper
43 100
58 51.9 41.9 62.9
57 18.1 14.3 21.5
100 11.3 9.2 13.8

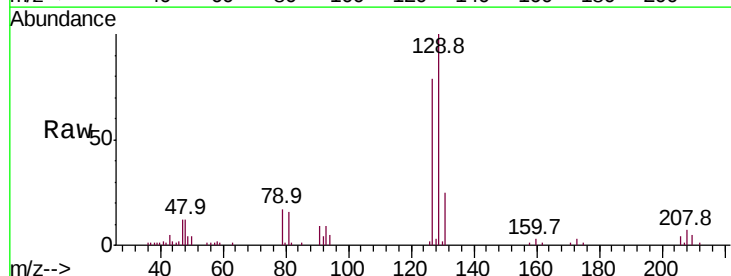


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

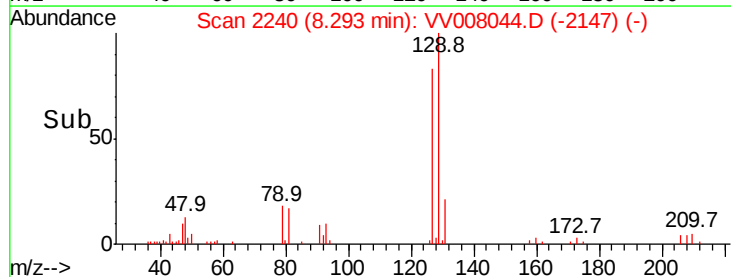
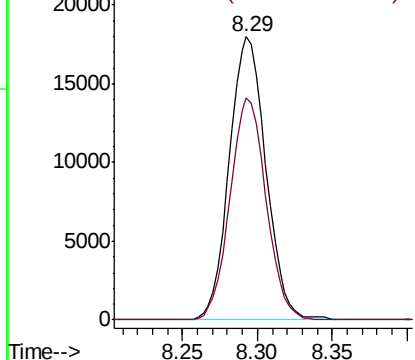


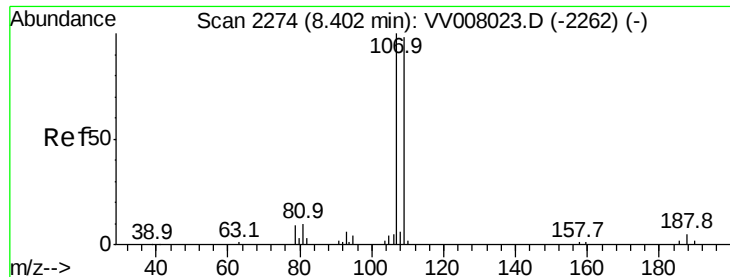
#49
Dibromochloromethane
Concen: 5.736 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV008044.D
Acq: 03 Oct 2018 09:57

Tgt Ion: 129 Resp: 30636
Ion Ratio Lower Upper
129 100
127 78.6 53.1 98.5



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

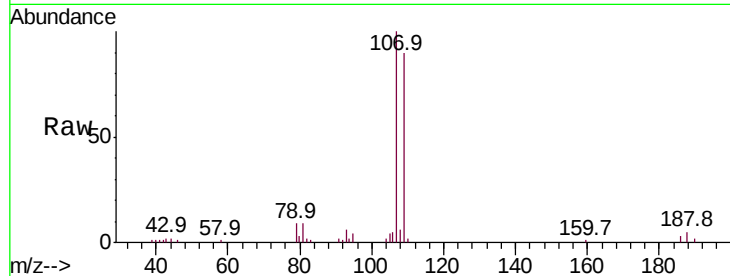




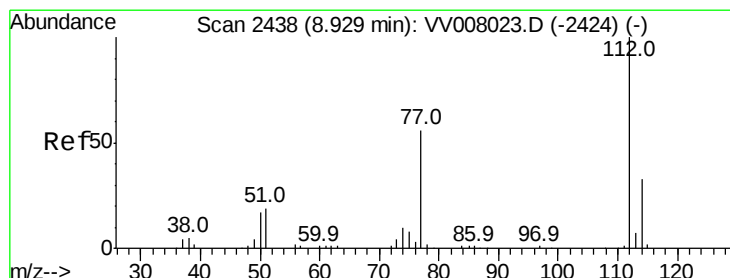
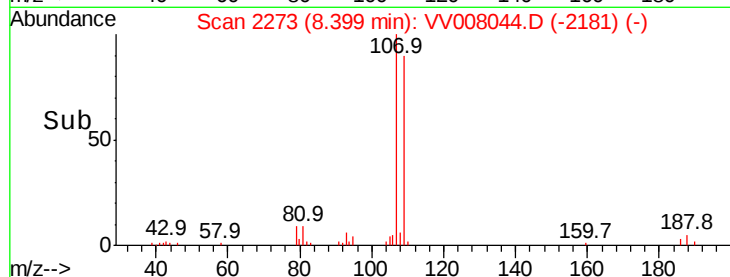
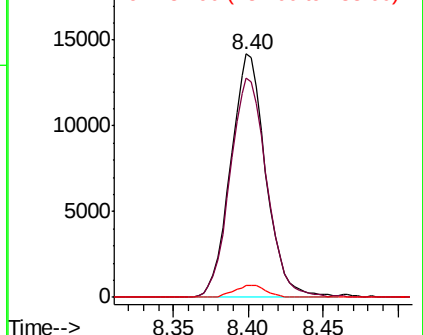
#50
1,2-Dibromoethane
Concen: 5.424 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VV008044.D
Acq: 03 Oct 2018 09:57

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	89.9	64.9	120.5
188	4.7	4.0	6.0

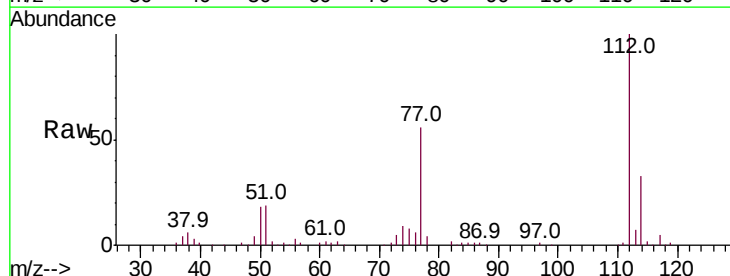


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

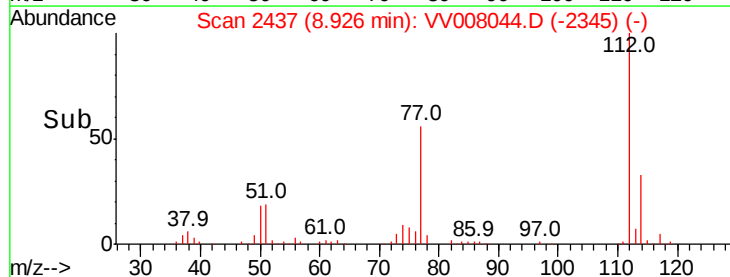
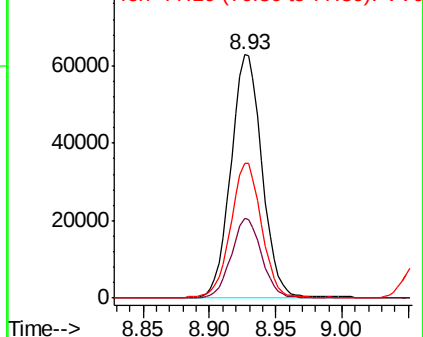


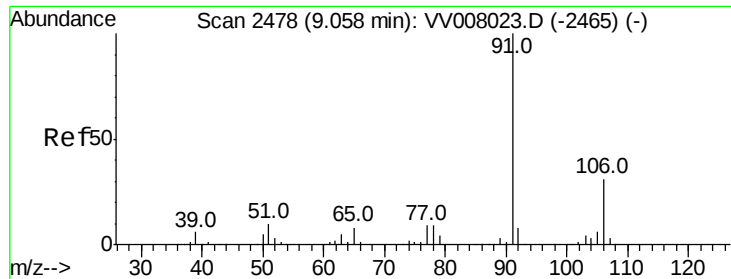
#51
Chlorobenzene
Concen: 5.377 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. -0.00 min
Lab File: VV008044.D
Acq: 03 Oct 2018 09:57

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.5	22.4	41.6
77	55.5	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

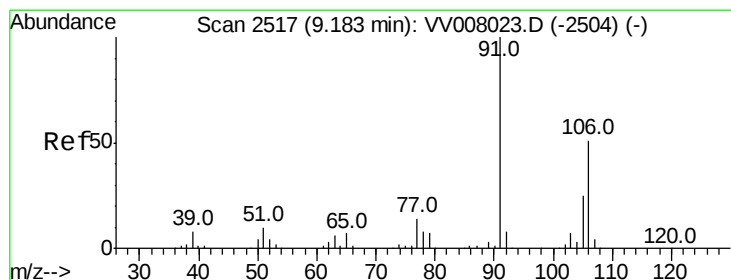
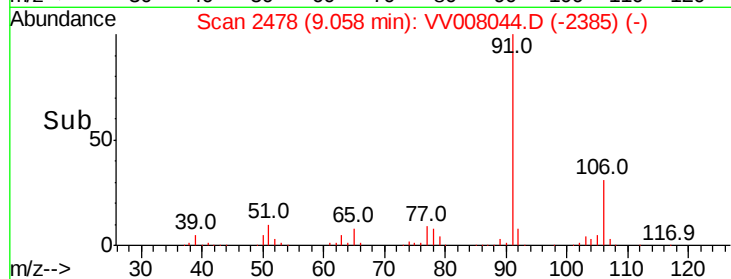
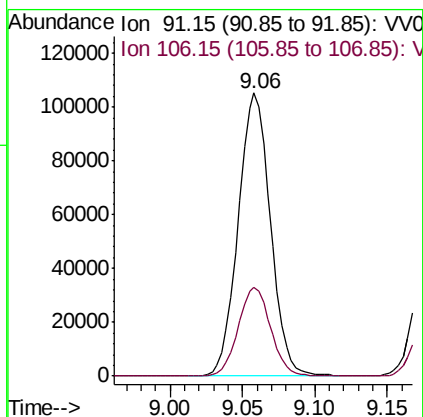
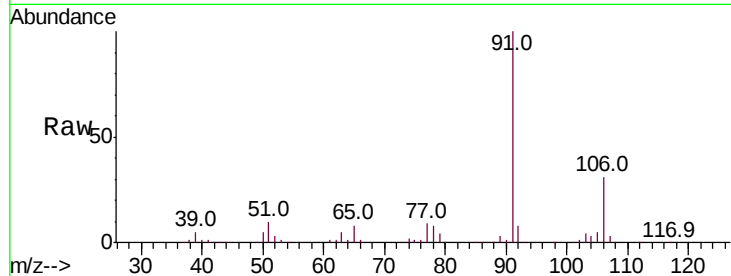




#52
Ethylbenzene
Concen: 5.280 ug/L
RT: 9.06 min Scan# 2478
Delta R.T. 0.00 min
Lab File: VV008044.D
Acq: 03 Oct 2018 09:57

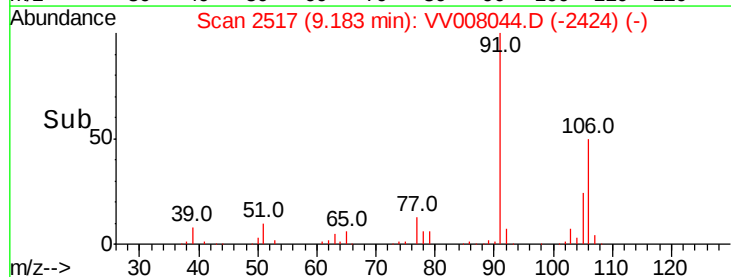
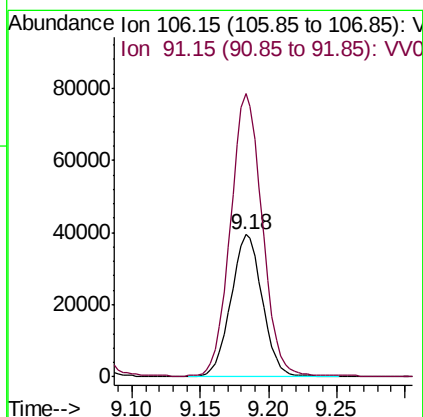
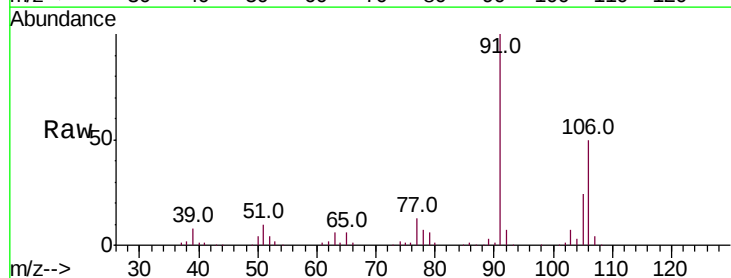
Instrument :
MSVOA_V
ClientSampled :

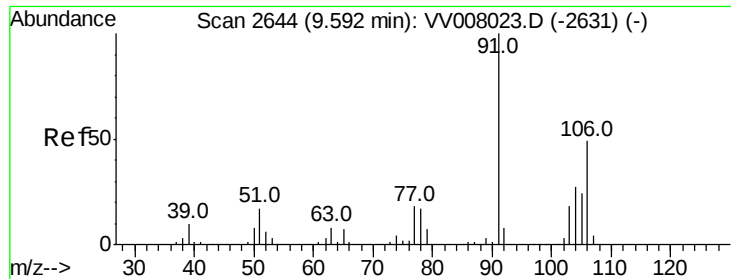
Tot Ion: 91 Resp: 162769
Ion Ratio Lower Upper
91 100
106 31.5 21.7 40.3



#53
m,p-xylene
Concen: 5.339 ug/L
RT: 9.18 min Scan# 2517
Delta R.T. 0.00 min
Lab File: VV008044.D
Acq: 03 Oct 2018 09:57

Tgt Ion: 106 Resp: 62676
Ion Ratio Lower Upper
106 100
91 199.4 139.4 258.8





#54

o-xylene

Concen: 5.352 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VV008044.D

Acq: 03 Oct 2018 09:57

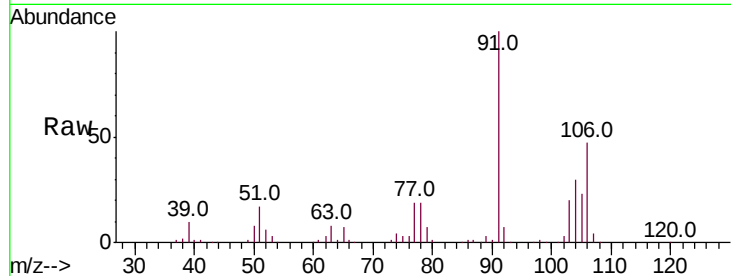
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 60685

Ion Ratio Lower Upper

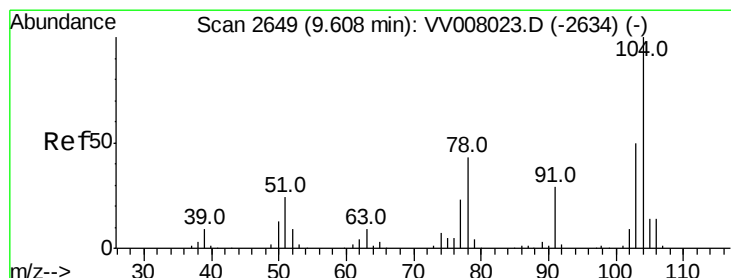
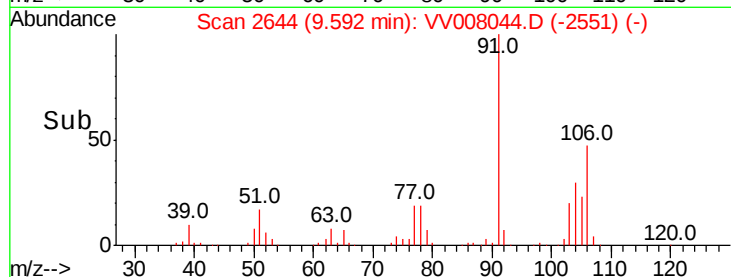
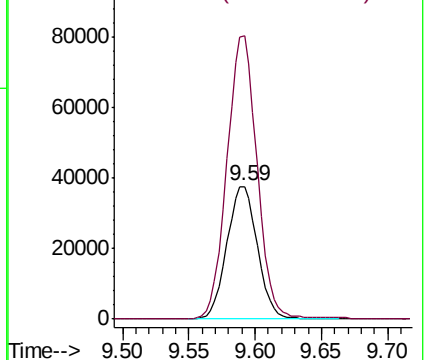
106 100

91 213.3 150.1 278.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.355 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. 0.00 min

Lab File: VV008044.D

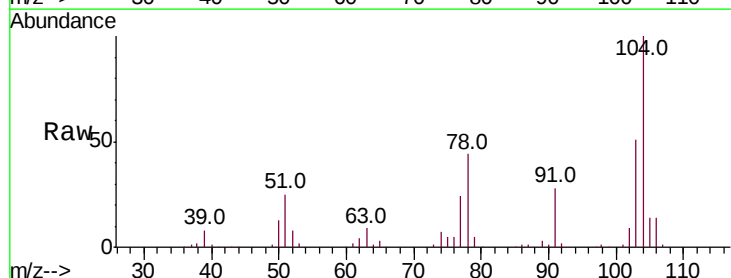
Acq: 03 Oct 2018 09:57

Tgt Ion:104 Resp: 103690

Ion Ratio Lower Upper

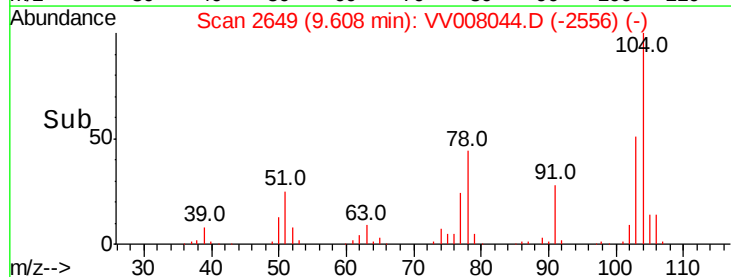
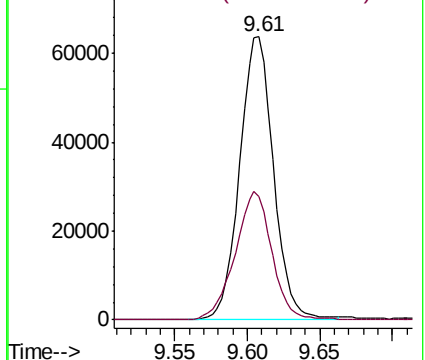
104 100

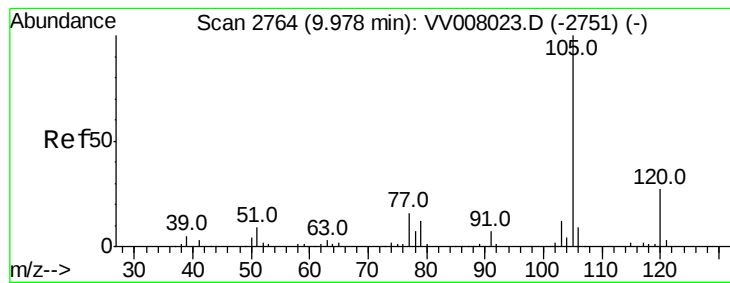
78 43.5 30.4 56.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.409 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008044.D

Acq: 03 Oct 2018 09:57

Instrument :

MSVOA_V

ClientSampleId :

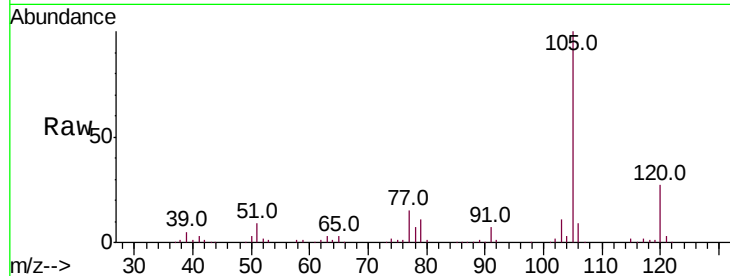
Tot Ion:105 Resp: 166123

Ion Ratio Lower Upper

105 100

120 26.7 21.4 32.0

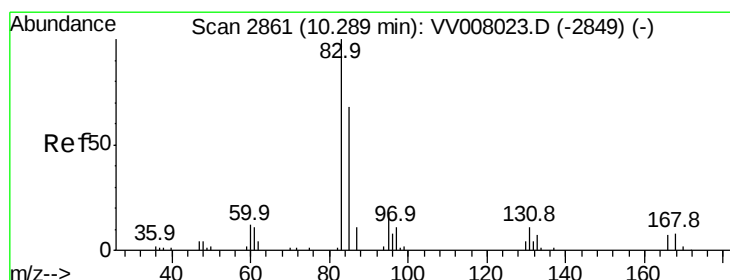
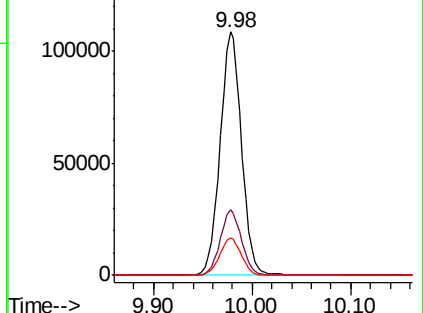
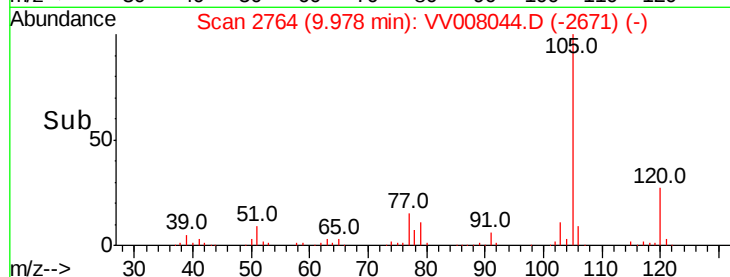
77 15.4 12.7 19.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.264 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV008044.D

Acq: 03 Oct 2018 09:57

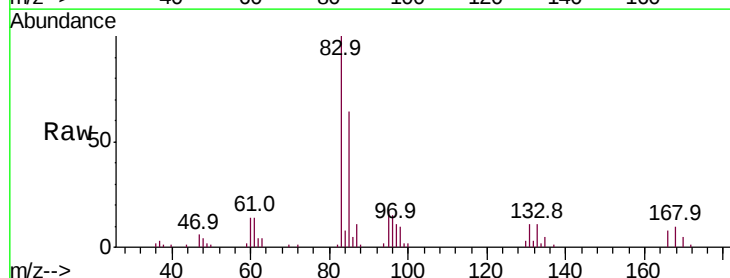
Tgt Ion: 83 Resp: 28925

Ion Ratio Lower Upper

83 100

85 64.4 43.7 81.1

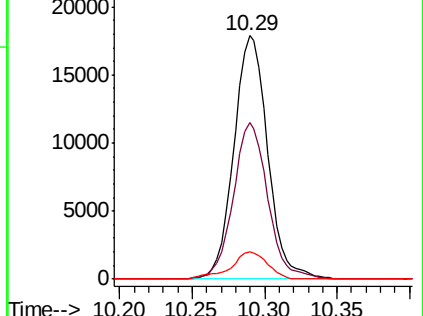
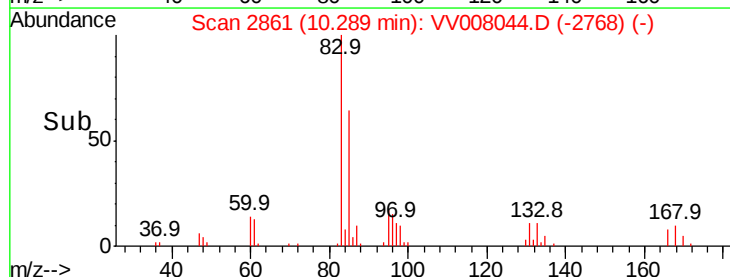
131 11.4 9.0 13.4

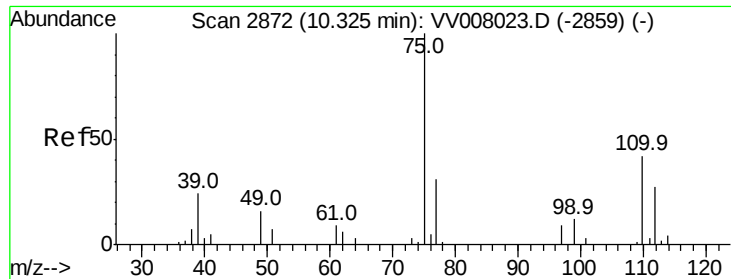


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

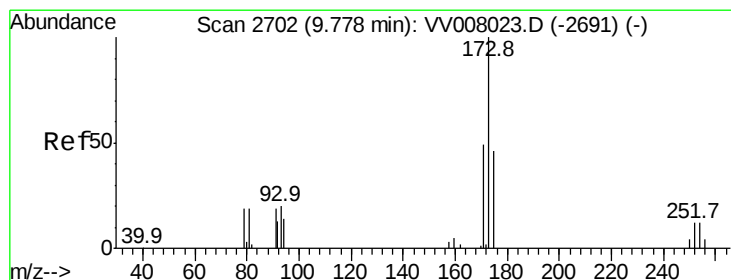
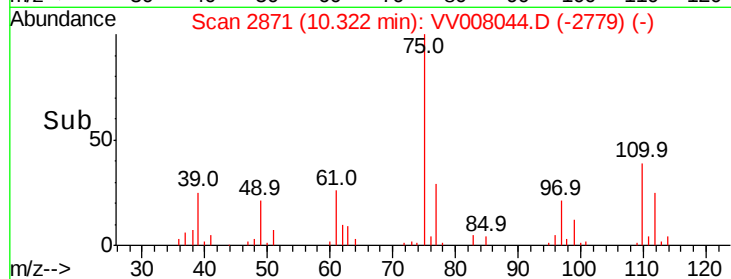
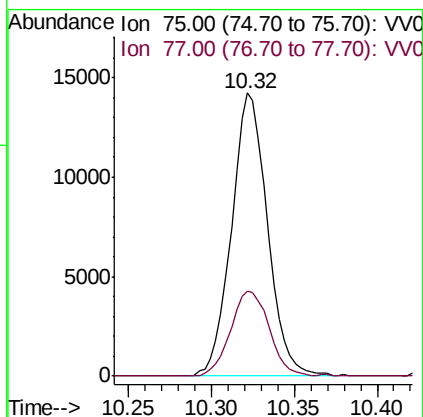
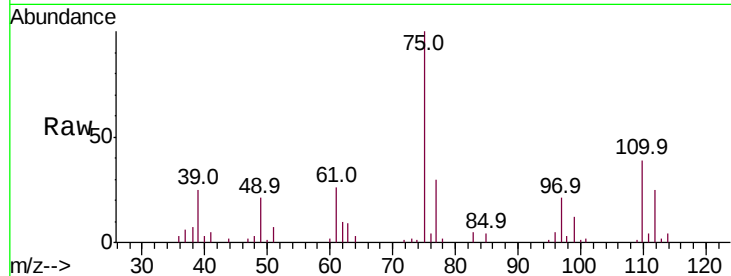




#59
 1,2,3-Trichloropropane
 Concen: 5.312 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VV008044.D
 Acq: 03 Oct 2018 09:57

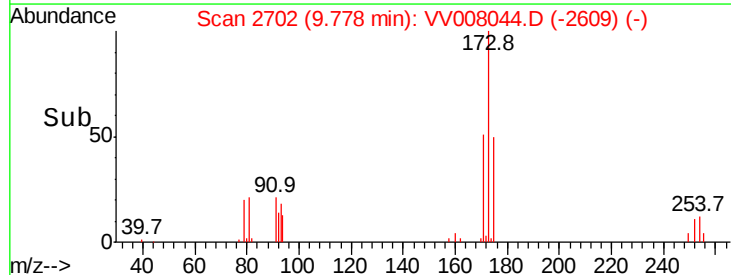
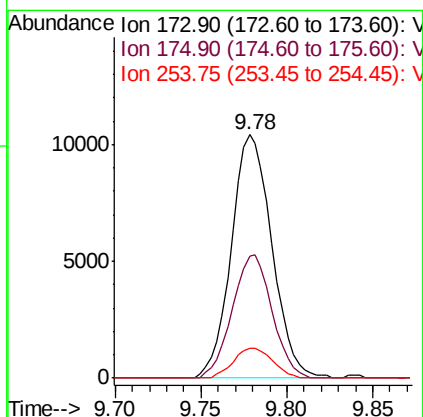
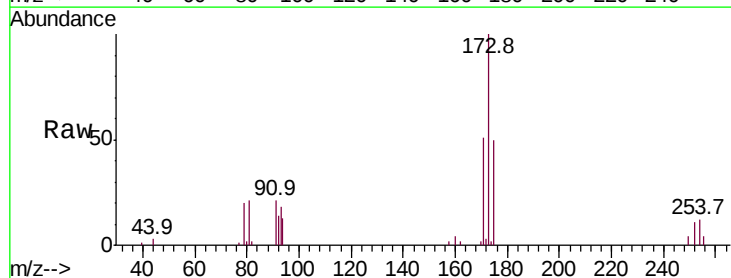
Instrument :
 MSVOA_V
 ClientSampleId :

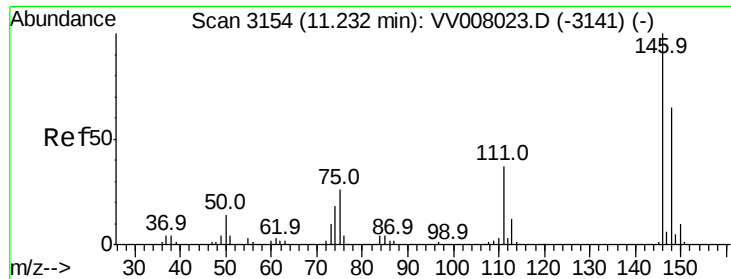
Tot Ion: 75 Resp: 21426
 Ion Ratio Lower Upper
 75 100
 77 32.1 26.4 39.6



#61
 Bromoform
 Concen: 5.948 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. 0.00 min
 Lab File: VV008044.D
 Acq: 03 Oct 2018 09:57

Tgt Ion:173 Resp: 17117
 Ion Ratio Lower Upper
 173 100
 175 49.6 41.0 61.6
 254 11.8 9.6 14.4





#62

1,3-Dichlorobenzene

Concen: 5.352 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. -0.00 min

Lab File: VV008044.D

Acq: 03 Oct 2018 09:57

Instrument :

MSVOA_V

ClientSampleId :

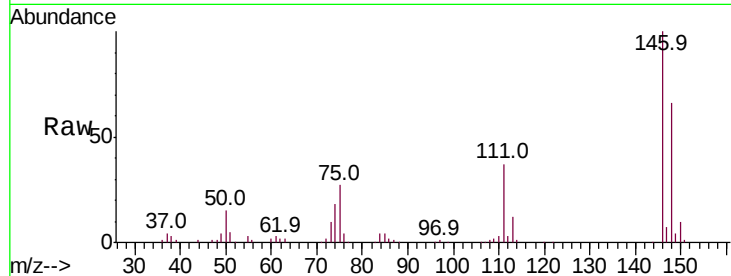
Tot Ion:146 Resp: 84665

Ion Ratio Lower Upper

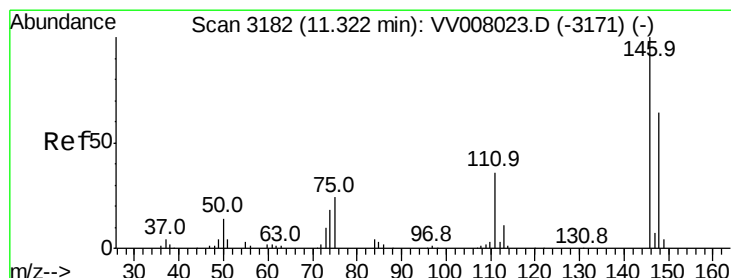
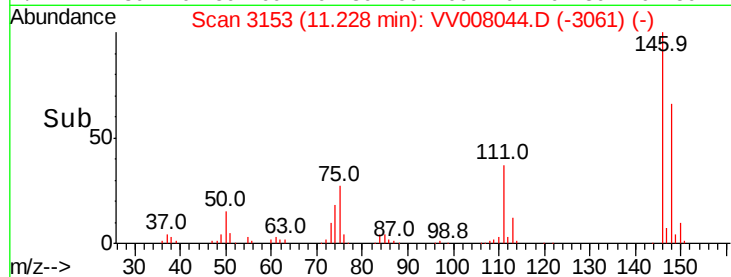
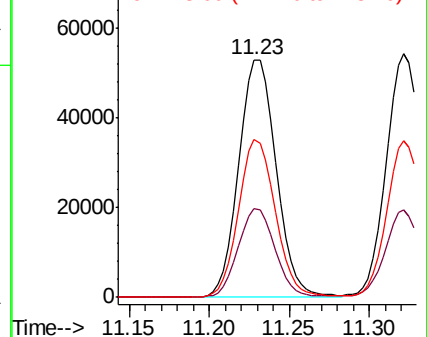
146 100

111 37.1 25.8 48.0

148 66.4 44.7 82.9



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: 5.282 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV008044.D

Acq: 03 Oct 2018 09:57

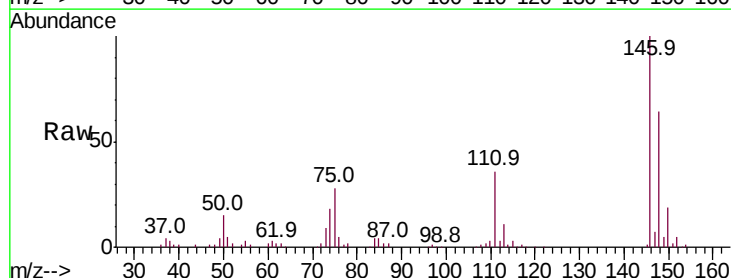
Tgt Ion:146 Resp: 86885

Ion Ratio Lower Upper

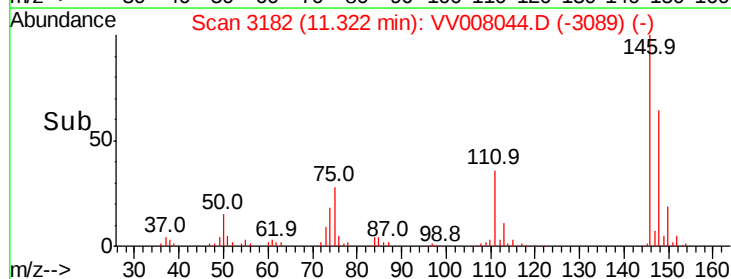
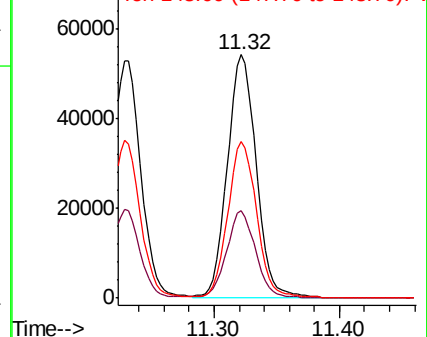
146 100

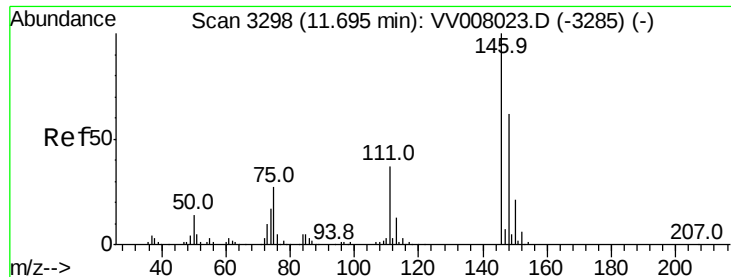
111 35.9 25.3 47.1

148 64.4 44.7 82.9



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: 5.541 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV008044.D

Acq: 03 Oct 2018 09:57

Instrument :

MSVOA_V

ClientSampleId :

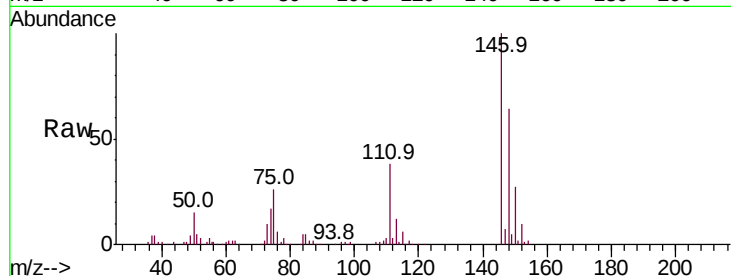
Tot Ion:146 Resp: 82631

Ion Ratio Lower Upper

146 100

111 38.3 31.2 46.8

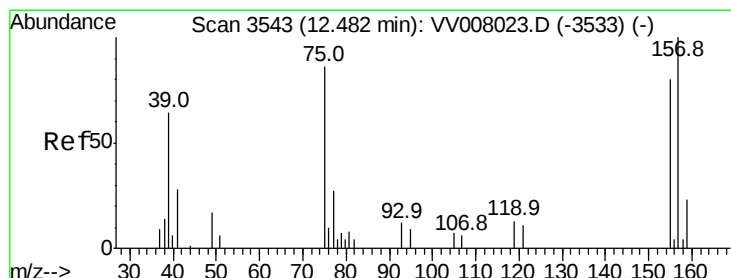
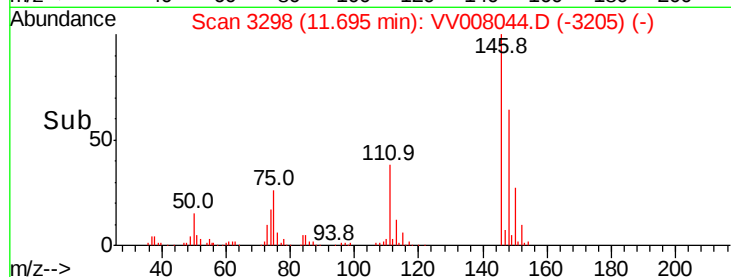
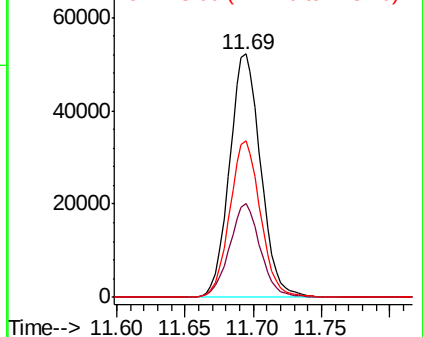
148 64.2 50.3 75.5



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: 5.558 ug/L

RT: 12.48 min Scan# 3543

Delta R.T. 0.00 min

Lab File: VV008044.D

Acq: 03 Oct 2018 09:57

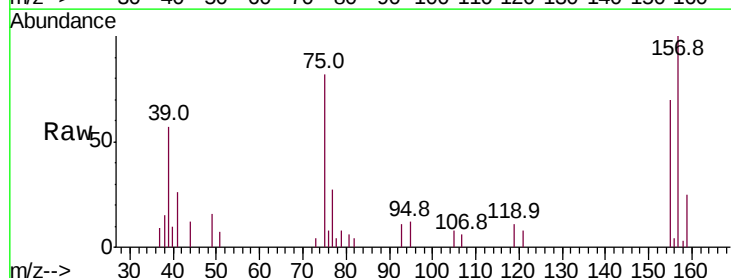
Tgt Ion: 75 Resp: 4222

Ion Ratio Lower Upper

75 100

155 84.5 83.4 125.2

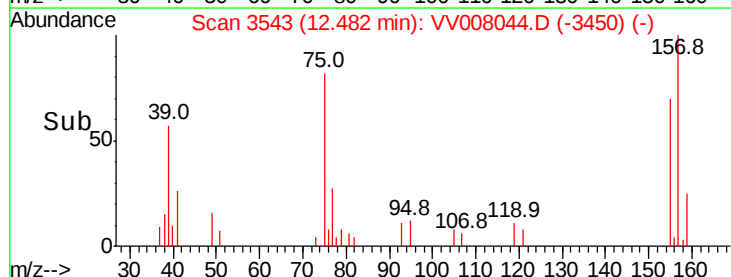
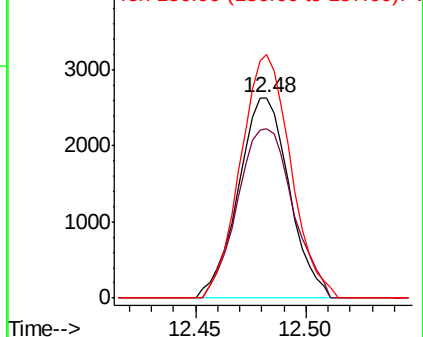
157 121.5 93.9 140.9

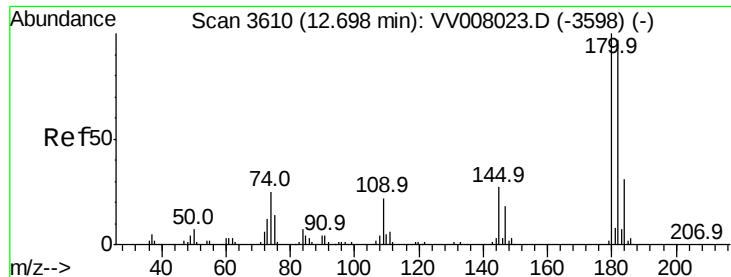


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

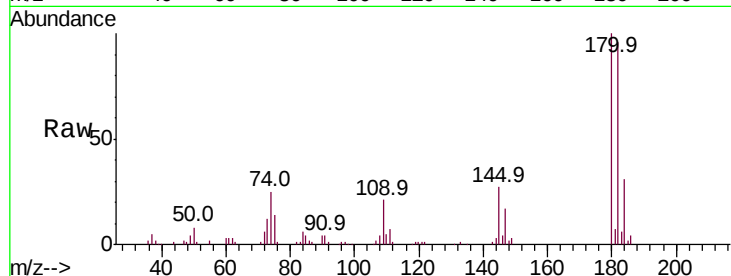




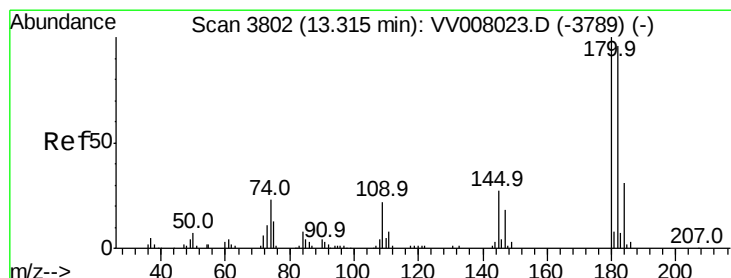
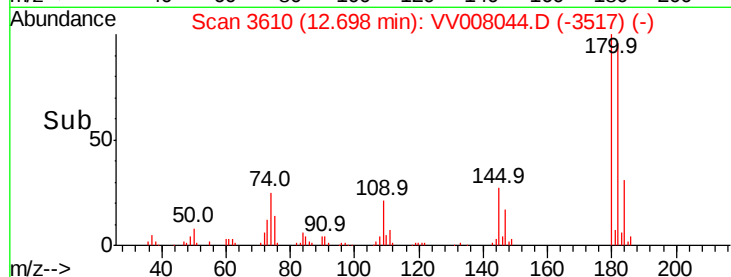
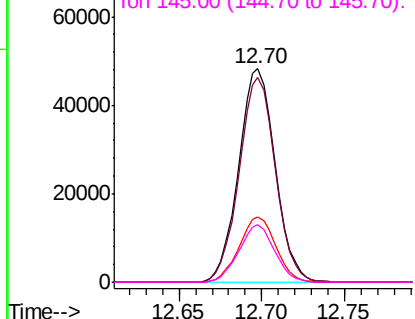
#67
 1,3,5-Trichlorobenzene
 Concen: 5.459 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV008044.D
 Acq: 03 Oct 2018 09:57

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	180	Resp:	73948
Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.2	114.4
184	30.6	24.5	36.7
145	26.3	22.2	33.4

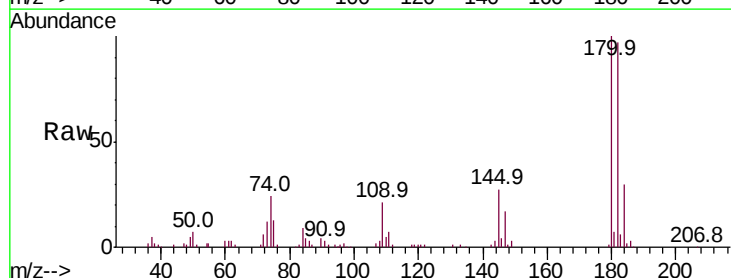


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

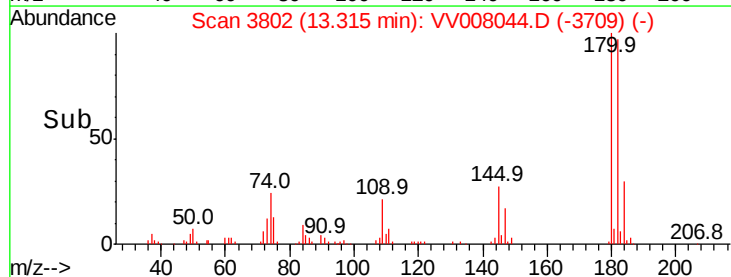
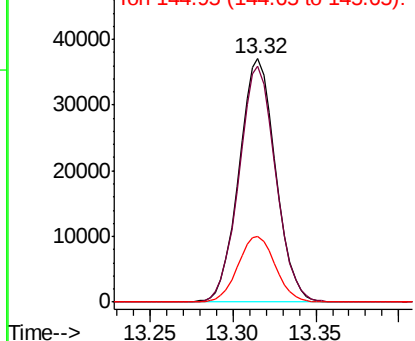


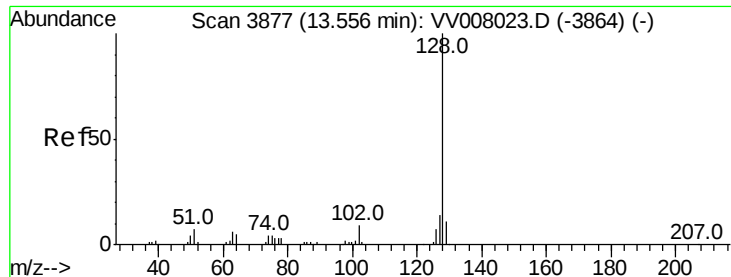
#68
 1,2,4-trichlorobenzene
 Concen: 4.957 ug/L
 RT: 13.32 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV008044.D
 Acq: 03 Oct 2018 09:57

Tgt Ion:	180	Resp:	56756
Ion	Ratio	Lower	Upper
180	100		
182	97.1	77.4	116.2
145	27.4	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: 4.424 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV008044.D

Acq: 03 Oct 2018 09:57

Instrument :

MSVOA_V

ClientSampleId :

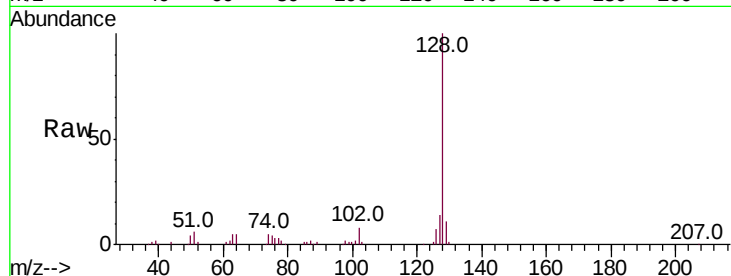
Tot Ion:128 Resp: 70848

Ion Ratio Lower Upper

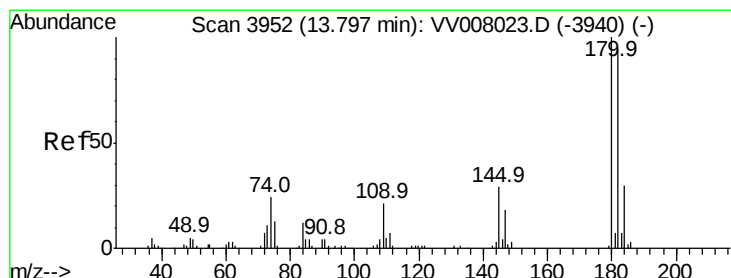
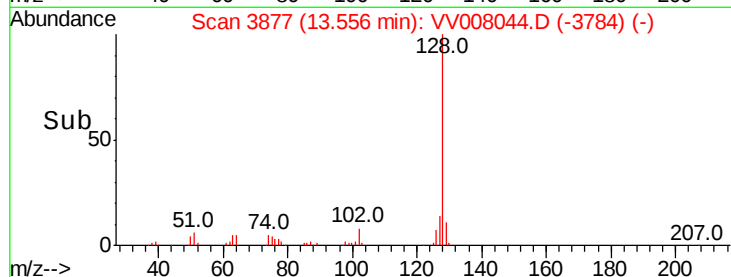
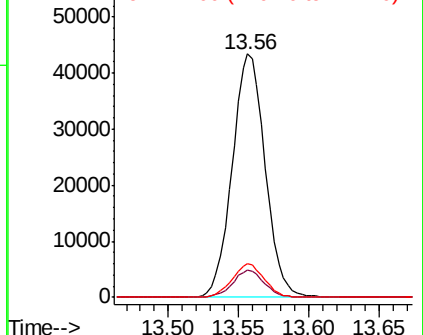
128 100

129 10.6 8.6 13.0

127 13.3 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: 5.135 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV008044.D

Acq: 03 Oct 2018 09:57

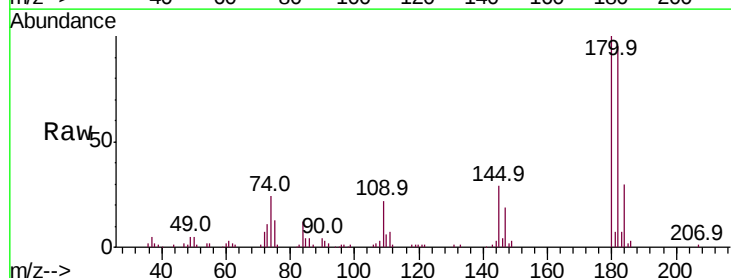
Tgt Ion:180 Resp: 53238

Ion Ratio Lower Upper

180 100

182 96.3 75.7 113.5

145 29.1 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

