

Data File : VV008838.D
Acq On : 05 Dec 2018 11:24
Operator : SY/MD
Sample : VSTD01067
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD01067

Quant Time: Dec 06 04:40:57 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR120518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Dec 06 04:37:05 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	125389	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	119053	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	59286	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	64521	7.72	ug/L	0.00
7) Chloroethane-d5	1.59	69	46919	7.82	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.14	63	124687	8.53	ug/L	0.00
20) 2-Butanone-d5	3.98	46	166417	86.80	ug/L	0.00
24) Chloroform-d	4.41	84	148205	8.73	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	71557	8.78	ug/L	0.00
32) Benzene-d6	5.10	84	298139	8.36	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	87608	8.17	ug/L	0.00
41) Toluene-d8	7.36	98	286652	8.68	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	34788	9.61	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	142760	95.12	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	60321	8.86	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	102884	8.51	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	113012	10.063 ug/L	98
3) Chloromethane	1.25	50	74519	9.071 ug/L	98
5) Vinyl chloride	1.33	62	77308	9.482 ug/L	98
6) Bromomethane	1.54	94	45732	8.983 ug/L	98
8) Chloroethane	1.60	64	42454	9.107 ug/L	99
9) Trichlorofluoromethane	1.77	101	122227	9.819 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	66494	9.455 ug/L	97
12) 1,1-Dichloroethene	2.15	96	59288	9.654 ug/L	97
13) Acetone	2.23	43	89209	92.820 ug/L	97
14) Carbon disulfide	2.32	76	179991	10.006 ug/L	99
15) Methyl Acetate	2.48	43	21190	8.377 ug/L	94
16) Methylene chloride	2.54	84	59203	8.550 ug/L	97
17) Methyl tert-butyl Ether	2.81	73	143929	9.520 ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	63975	9.498 ug/L	90
19) 1,1-Dichloroethane	3.23	63	143817	9.670 ug/L	100
21) 2-Butanone	4.06	43	176424	92.525 ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	88526	9.351 ug/L	98
23) Bromochloromethane	4.30	128	38248	9.826 ug/L	94
25) Chloroform	4.43	83	149925	9.172 ug/L	99
27) 1,2-Dichloroethane	5.19	62	88758	9.444 ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	134578	9.646 ug/L	99
30) Cyclohexane	4.72	56	133497	9.248 ug/L	99
31) Carbon tetrachloride	4.88	117	120266	9.920 ug/L	98
33) Benzene	5.15	78	327902	9.304 ug/L	100
34) Trichloroethene	5.96	95	91671	9.264 ug/L	100
35) Methylcyclohexane	6.18	83	150380	9.614 ug/L	98
37) 1,2-Dichloropropane	6.23	63	78342	8.917 ug/L	99
38) Bromodichloromethane	6.56	83	99480	9.851 ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	117018	10.081 ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	418909	93.060 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	355682	9.593	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	93366	10.162	ug/L	95
45) 1,1,2-Trichloroethane	7.89	97	55684	9.525	ug/L	98
47) Tetrachloroethene	8.02	164	75480	9.799	ug/L	98
48) 2-Hexanone	8.19	43	297665	94.347	ug/L	99
49) Dibromochloromethane	8.29	129	68141	10.530	ug/L	99
50) 1,2-Dibromoethane	8.40	107	52398	9.460	ug/L #	98
51) Chlorobenzene	8.93	112	227257	9.288	ug/L	100
52) Ethylbenzene	9.06	91	389316	9.691	ug/L	100
53) m,p-xylene	9.18	106	150587	9.969	ug/L	98
54) o-xylene	9.59	106	143555	9.901	ug/L	97
55) Styrene	9.60	104	245201	10.130	ug/L	99
56) Isopropylbenzene	9.98	105	391404	9.885	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	60491	9.779	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	47421	9.370	ug/L	99
61) Bromoform	9.78	173	35014	10.714	ug/L	96
62) 1,3-Dichlorobenzene	11.23	146	179757	9.283	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	183934	9.532	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	169959	9.275	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	9143	10.119	ug/L	93
67) 1,3,5-Trichlorobenzene	12.69	180	138939	9.763	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	112701	10.714	ug/L	99
69) Naphthalene	13.55	128	174740	11.308	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	103315	10.464	ug/L	99

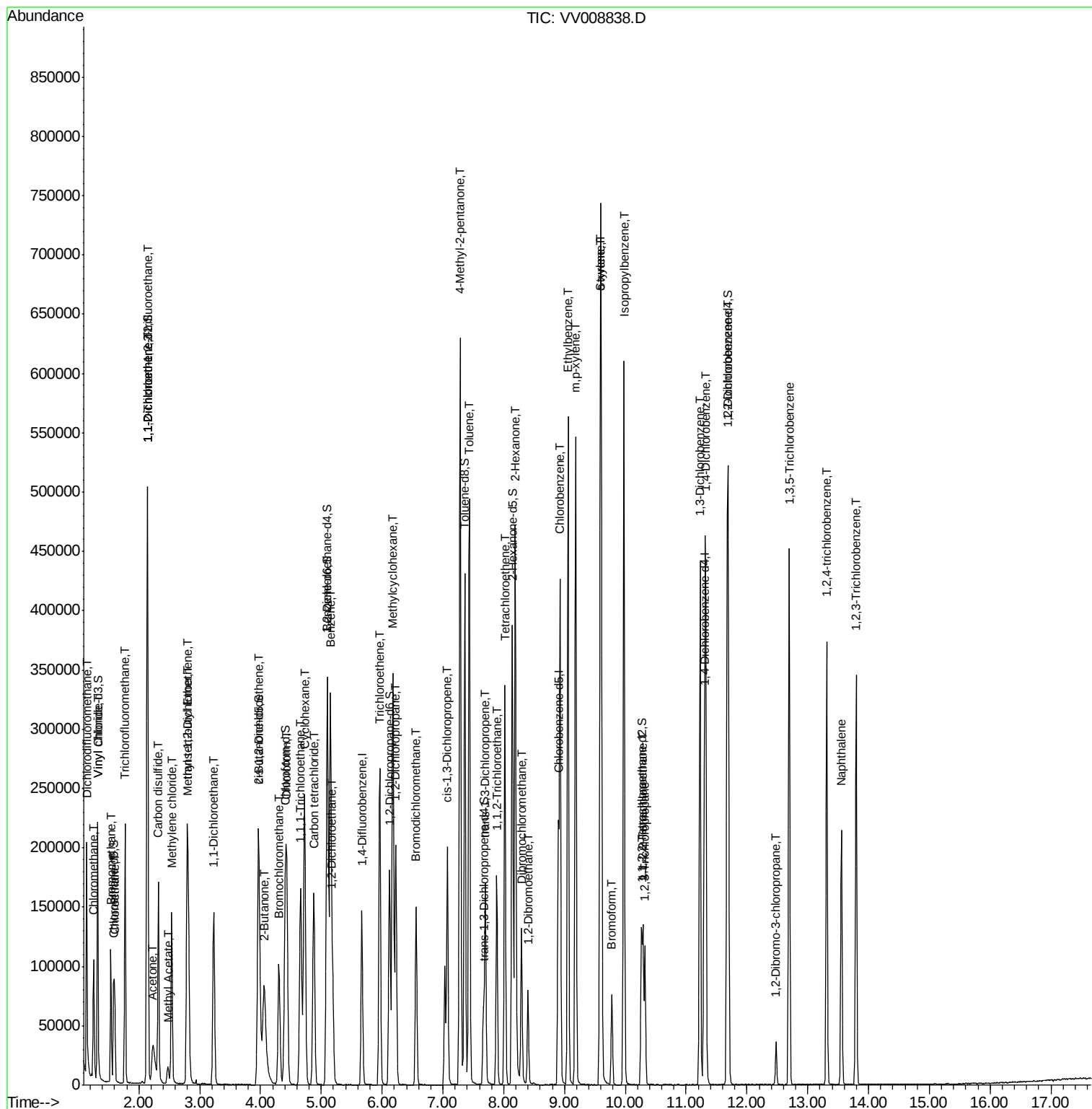
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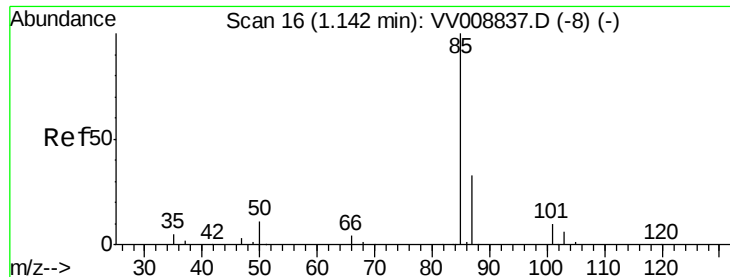
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#2

Dichlorodifluoromethane

Concen: 10.063 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV008838.D

Acq: 05 Dec 2018 11:24

Instrument :

MSVOA_V

ClientSampleId :

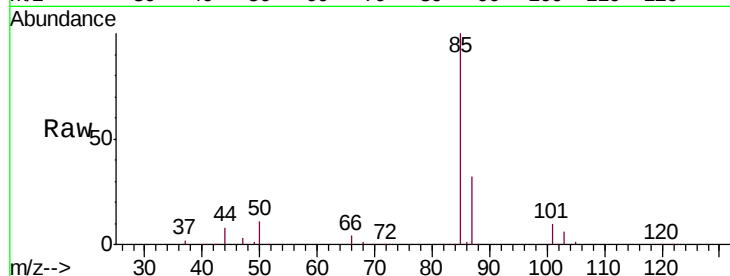
VSTD01067

Tgt Ion: 85 Resp: 113012

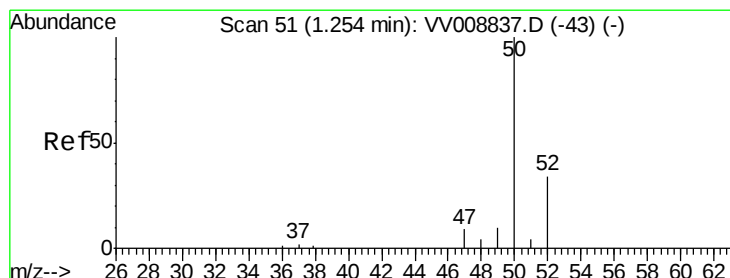
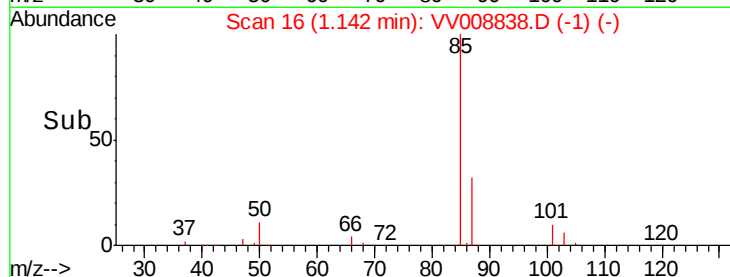
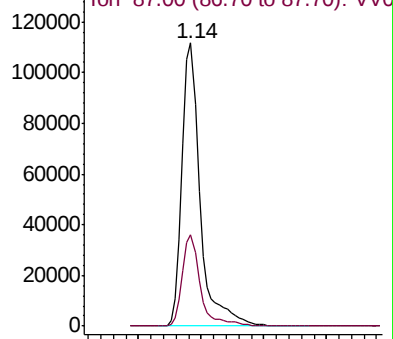
Ion Ratio Lower Upper

85 100

87 31.9 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VV008837.D (-8) (-)



#3

Chloromethane

Concen: 9.071 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV008838.D

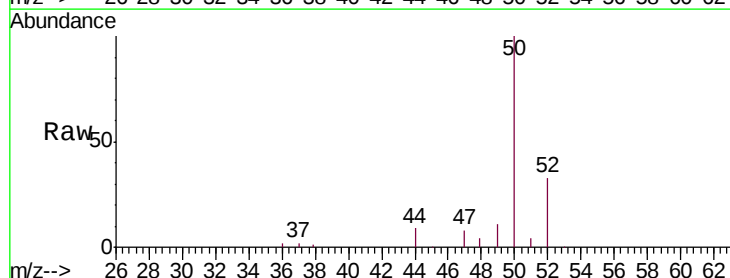
Acq: 05 Dec 2018 11:24

Tgt Ion: 50 Resp: 74519

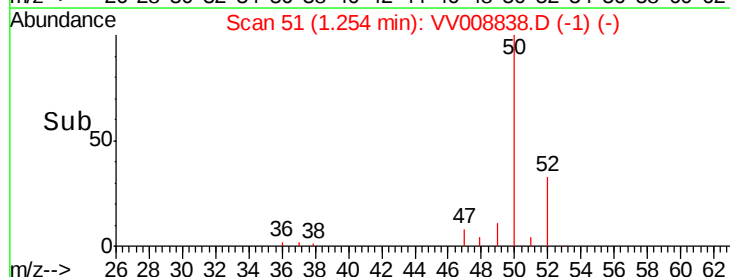
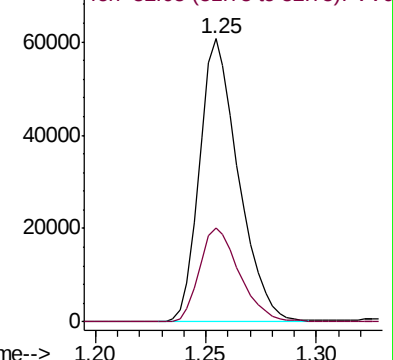
Ion Ratio Lower Upper

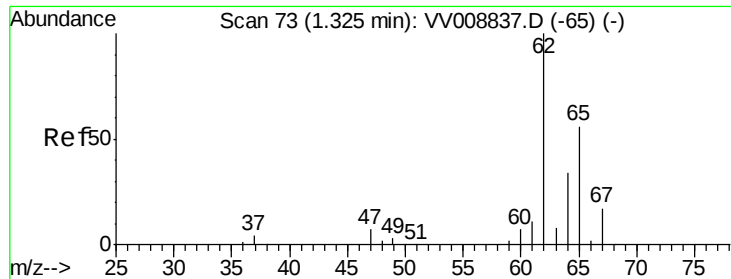
50 100

52 33.2 23.9 44.5



Abundance Ion 50.05 (49.75 to 50.75): VV008837.D (-43) (-)





#5

Vinyl chloride

Concen: 9.482 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV008838.D

Acq: 05 Dec 2018 11:24

Instrument :

MSVOA_V

ClientSampleId :

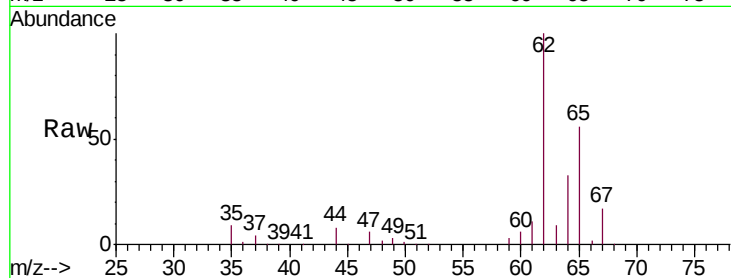
VSTD01067

Tgt Ion: 62 Resp: 77308

Ion Ratio Lower Upper

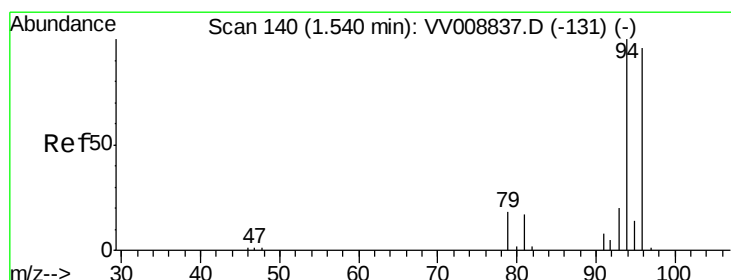
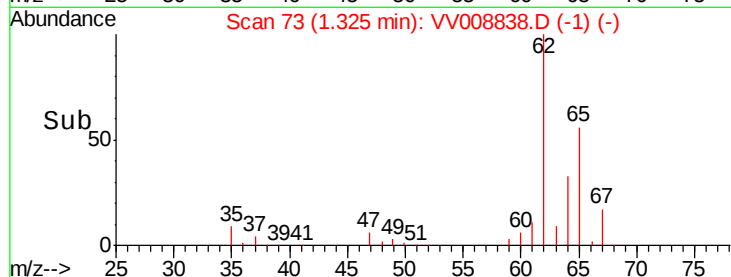
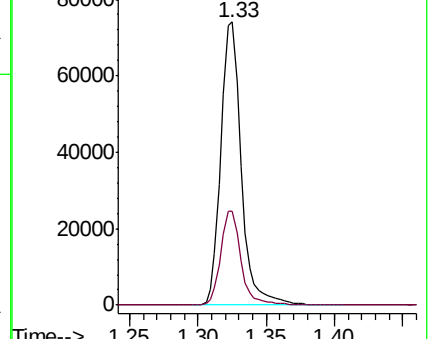
62 100

64 33.2 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 8.983 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV008838.D

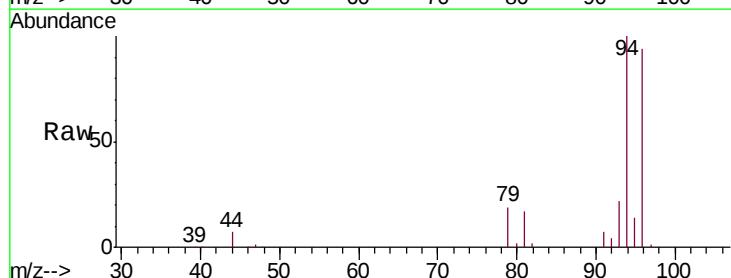
Acq: 05 Dec 2018 11:24

Tgt Ion: 94 Resp: 45732

Ion Ratio Lower Upper

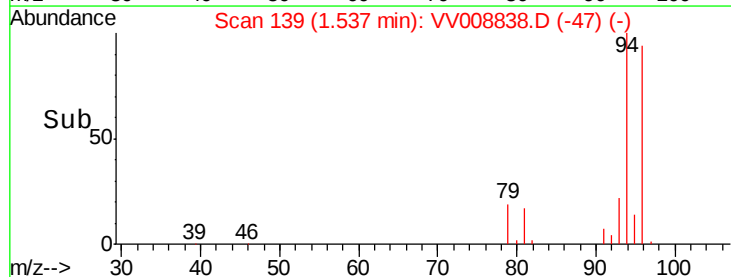
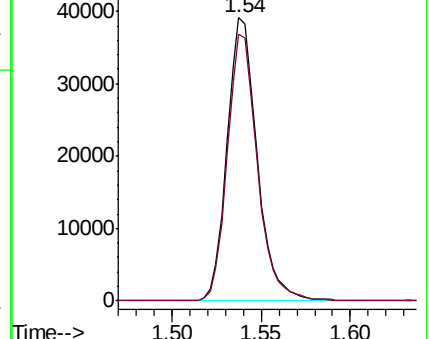
94 100

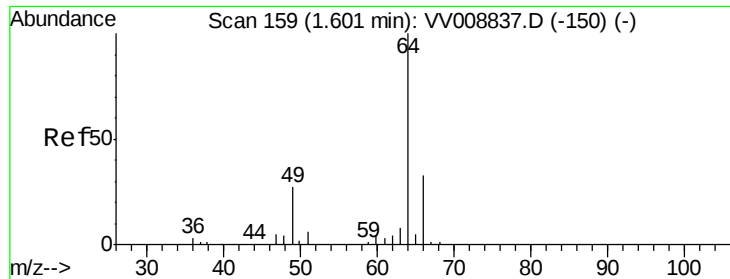
96 94.1 67.0 124.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 9.107 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV008838.D

Acq: 05 Dec 2018 11:24

Instrument :

MSVOA_V

ClientSampleId :

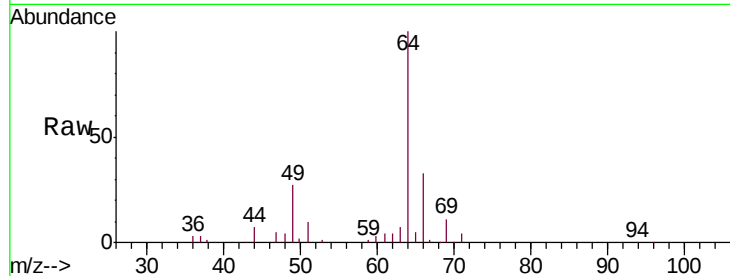
VSTD01067

Tgt Ion: 64 Resp: 42454

Ion Ratio Lower Upper

64 100

66 32.8 23.4 43.6



Abundance Ion 64.10 (63.80 to 64.80): VV008838.D (-150) (-)

Ion 66.05 (65.75 to 66.75): VV008838.D (-150) (-)

1.60

40000

30000

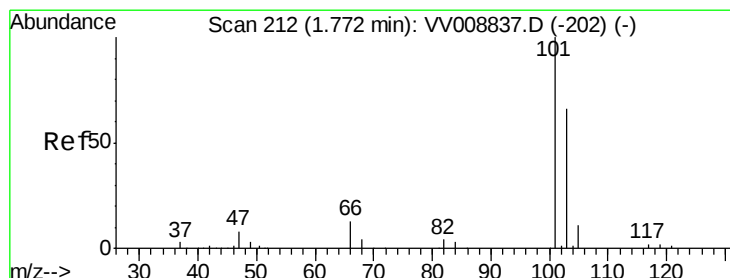
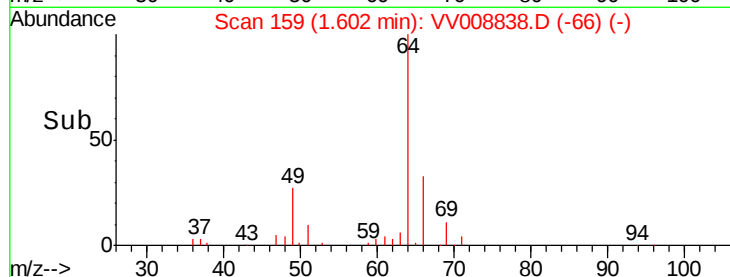
20000

10000

0

Time-->

1.55 1.60 1.65



#9

Trichlorofluoromethane

Concen: 9.819 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV008838.D

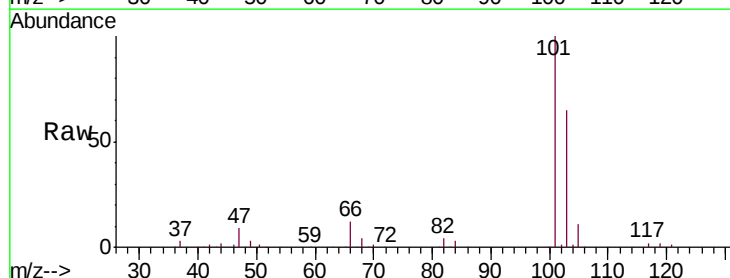
Acq: 05 Dec 2018 11:24

Tgt Ion: 101 Resp: 122227

Ion Ratio Lower Upper

101 100

103 65.2 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): VV008838.D (-202) (-)

Ion 103.00 (102.70 to 103.70): VV008838.D (-202) (-)

1.77

100000

80000

60000

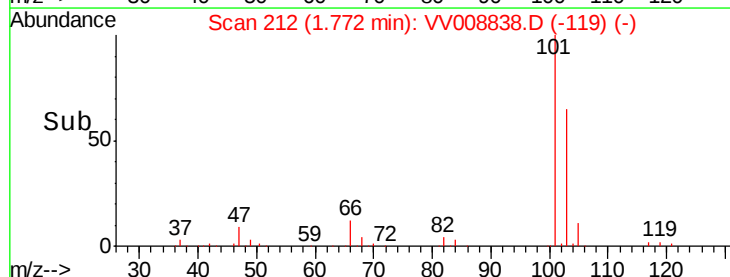
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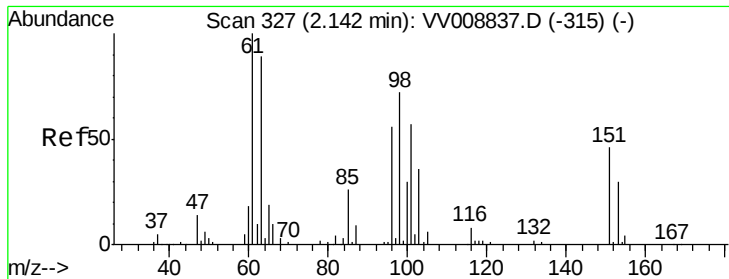
20000

0

Time-->

1.70 1.75 1.80 1.85





#10

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

Concen: 9.455 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV008838.D

Acq: 05 Dec 2018 11:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD01067

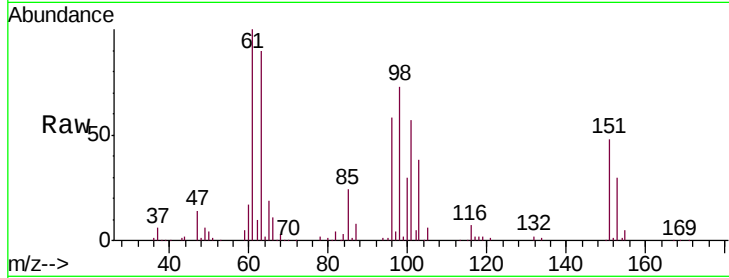
Tgt Ion: 101 Resp: 66494

Ion Ratio Lower Upper

101 100

85 43.2 35.0 52.6

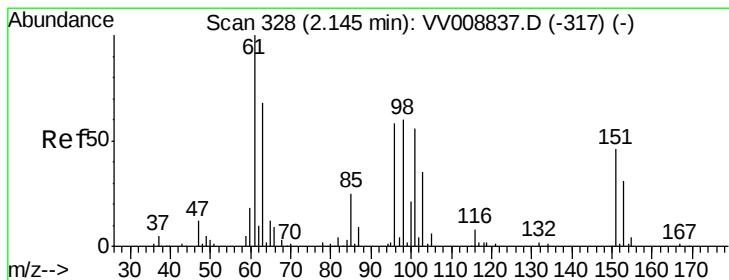
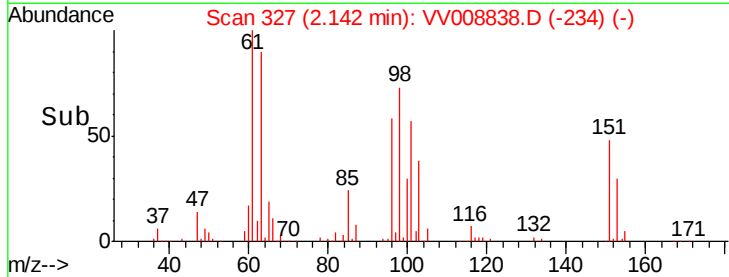
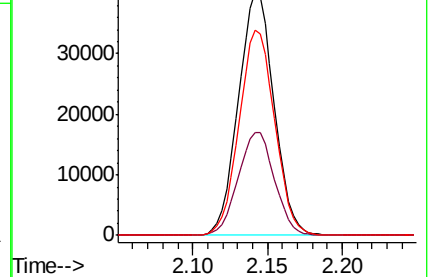
151 84.5 65.1 97.7



Abundance Ion 101.00 (100.70 to 101.70): VV008837.D (-315) (-)

Ion 85.00 (84.70 to 85.70): VV008837.D (-315) (-)

Ion 151.00 (150.70 to 151.70): VV008837.D (-315) (-)



#12

1,1-Dichloroethene

Concen: 9.654 ug/L

RT: 2.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV008838.D

Acq: 05 Dec 2018 11:24

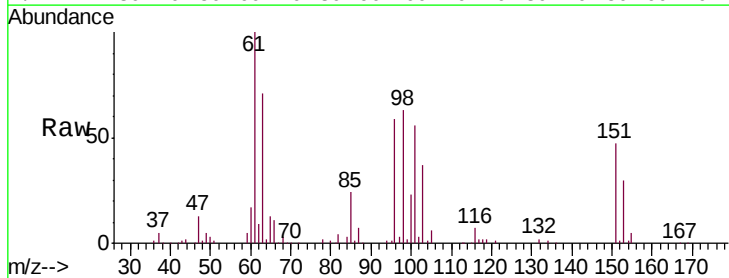
Tgt Ion: 96 Resp: 59288

Ion Ratio Lower Upper

96 100

61 168.6 120.8 224.4

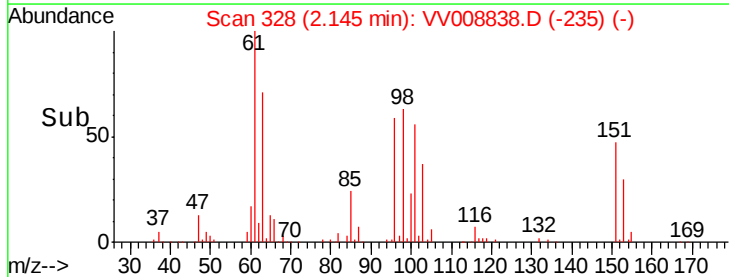
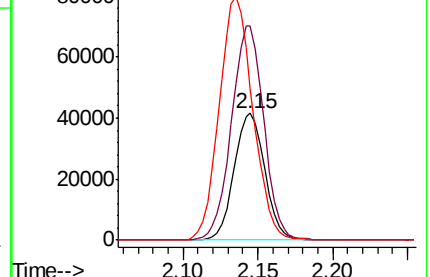
63 119.0 85.0 158.0

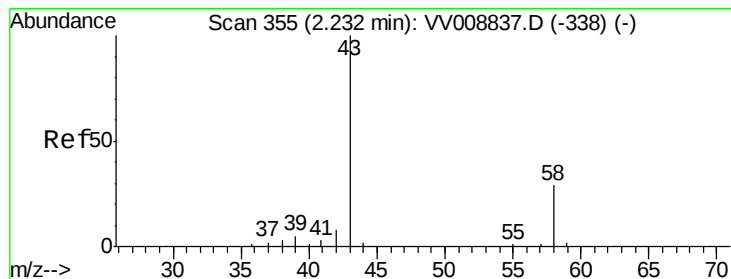


Abundance Ion 96.00 (95.70 to 96.70): VV008837.D (-317) (-)

Ion 61.05 (60.75 to 61.75): VV008837.D (-317) (-)

Ion 63.00 (62.70 to 63.70): VV008837.D (-317) (-)





#13

Acetone

Concen: 92.820 ug/L

RT: 2.23 min Scan# 355

Delta R.T. 0.00 min

Lab File: VV008838.D

Acq: 05 Dec 2018 11:24

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MSVOA_V

ClientSampleId :

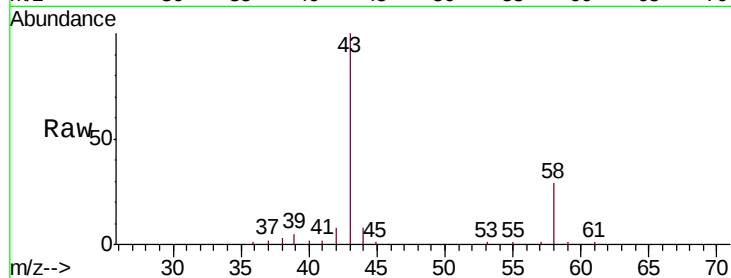
VSTD01067

Tgt Ion: 43 Resp: 89209

Ion Ratio Lower Upper

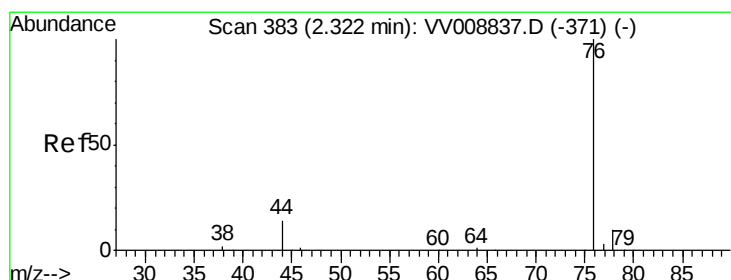
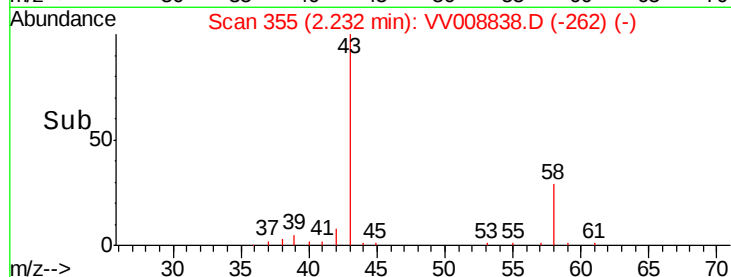
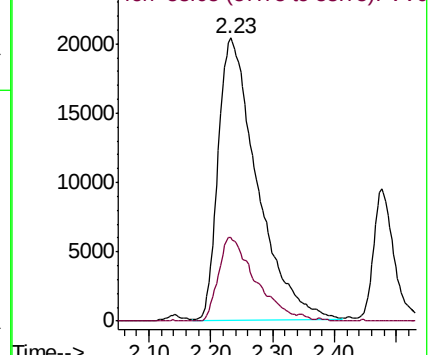
43 100

58 28.0 0.0 52.4



Abundance Ion 43.05 (42.75 to 43.75): VV008838.D (-262) (-)

Ion 58.05 (57.75 to 58.75): VV008838.D (-262) (-)



#14

Carbon disulfide

Concen: 10.006 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VV008838.D

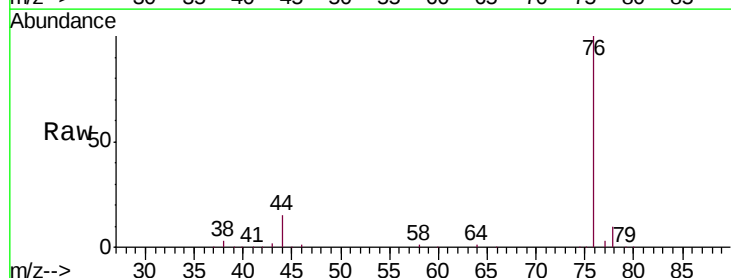
Acq: 05 Dec 2018 11:24

Tgt Ion: 76 Resp: 179991

Ion Ratio Lower Upper

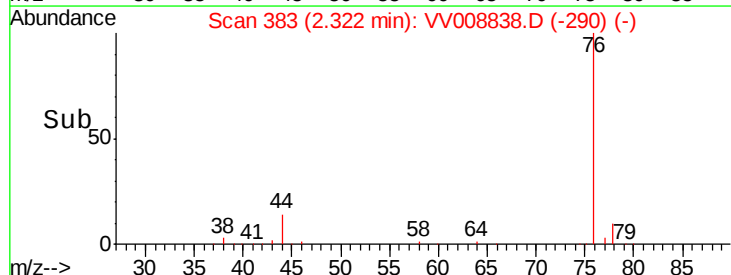
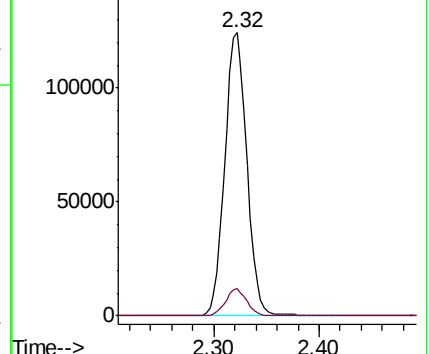
76 100

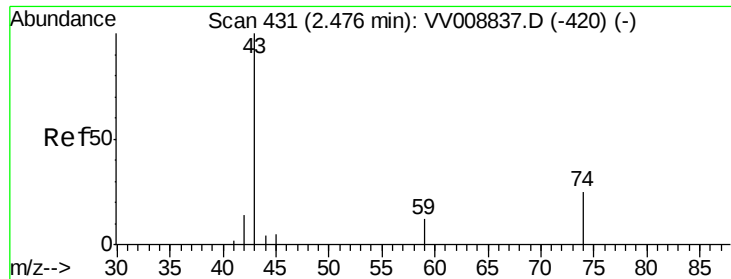
78 9.6 8.0 12.0



Abundance Ion 76.05 (75.75 to 76.75): VV008838.D (-290) (-)

Ion 78.00 (77.70 to 78.70): VV008838.D (-290) (-)

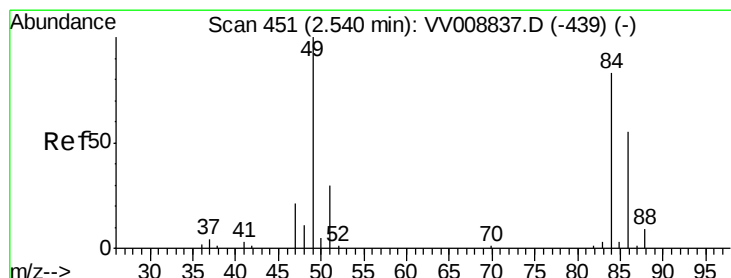
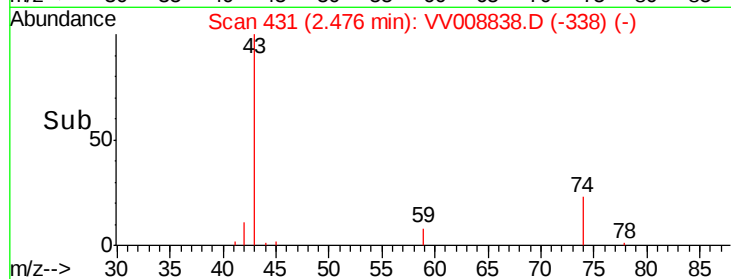
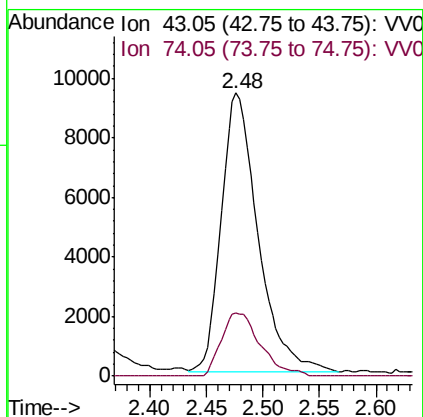
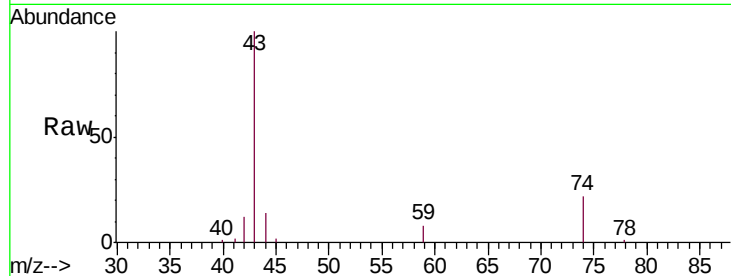




#15
Methyl Acetate
Concen: 8.377 ug/L
RT: 2.48 min Scan# 431
Delta R.T. 0.00 min
Lab File: VV008838.D
Acq: 05 Dec 2018 11:24

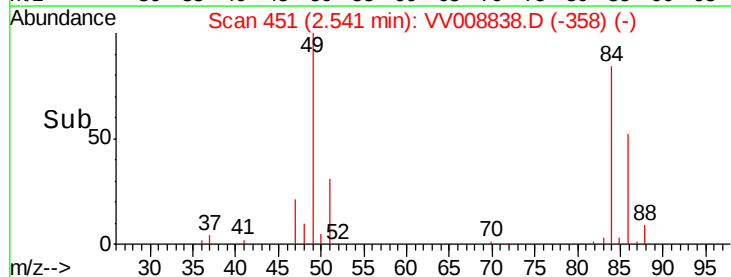
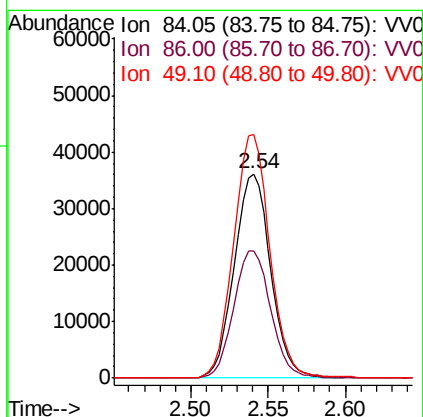
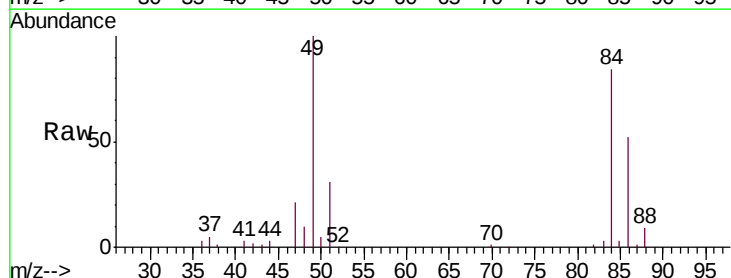
Instrument :
MSVOA_V
ClientSampleId :
VSTD01067

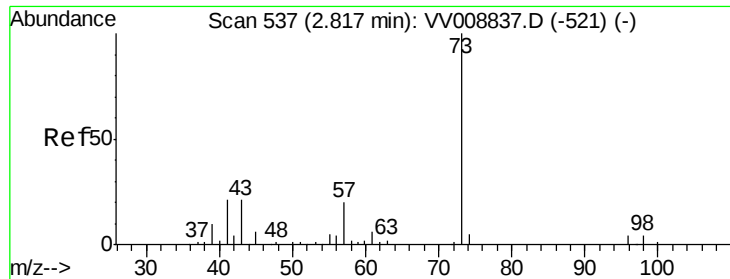
Tgt Ion: 43 Resp: 21190
Ion Ratio Lower Upper
43 100
74 24.1 21.8 32.6



#16
Methylene chloride
Concen: 8.550 ug/L
RT: 2.54 min Scan# 451
Delta R.T. 0.00 min
Lab File: VV008838.D
Acq: 05 Dec 2018 11:24

Tgt Ion: 84 Resp: 59203
Ion Ratio Lower Upper
84 100
86 62.5 46.7 86.7
49 119.1 84.8 157.4





#17

Methyl tert-butyl Ether

Concen: 9.520 ug/L

RT: 2.81 min Scan# 536

Delta R.T. -0.00 min

Lab File: VV008838.D

Acq: 05 Dec 2018 11:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD01067

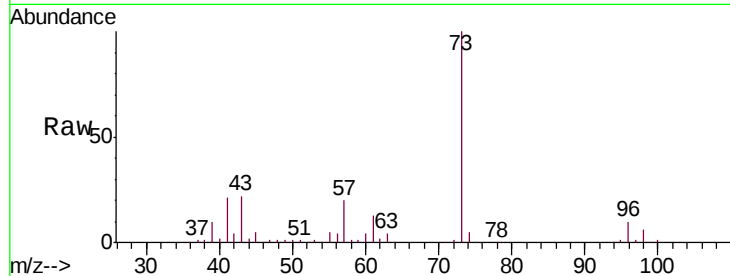
Tgt Ion: 73 Resp: 143929

Ion Ratio Lower Upper

73 100

43 21.5 17.3 25.9

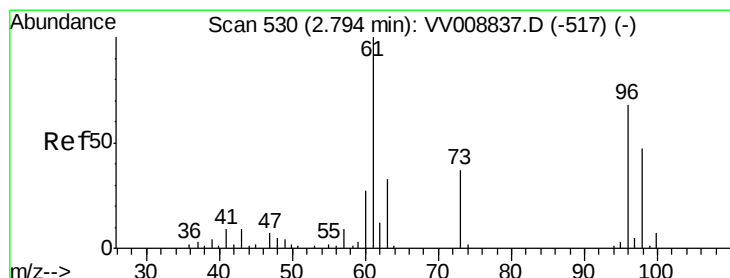
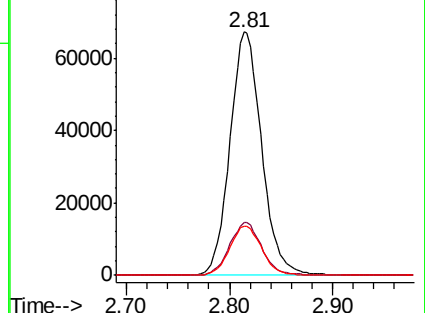
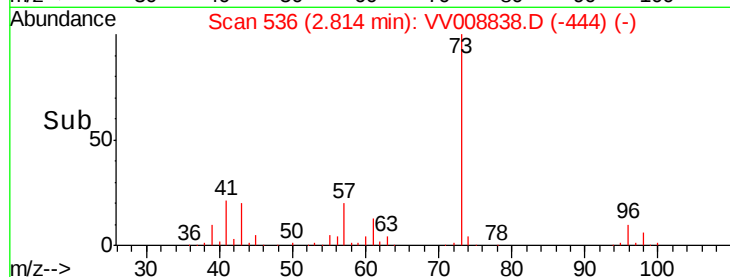
57 20.7 16.8 25.2



Abundance Ion 73.10 (72.80 to 73.80): VV008838.D (-444) (-)

Ion 43.05 (42.75 to 43.75): VV008838.D (-444) (-)

Ion 57.10 (56.80 to 57.80): VV008838.D (-444) (-)



#18

trans-1,2-Dichloroethene

Concen: 9.498 ug/L

RT: 2.79 min Scan# 529

Delta R.T. -0.00 min

Lab File: VV008838.D

Acq: 05 Dec 2018 11:24

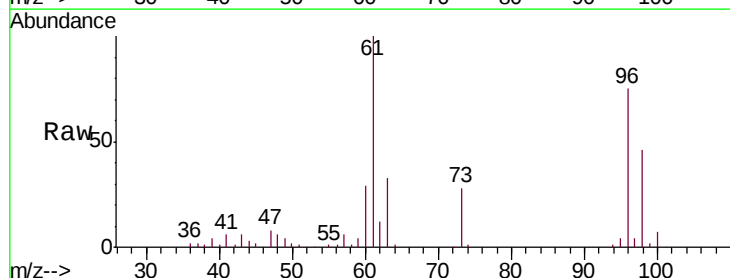
Tgt Ion: 96 Resp: 63975

Ion Ratio Lower Upper

96 100

61 133.8 103.0 191.4

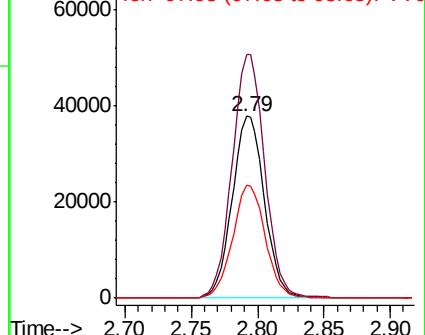
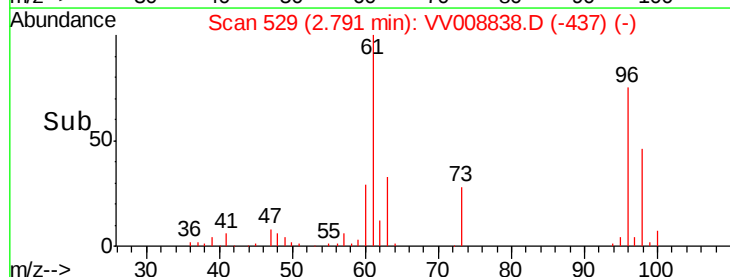
98 61.9 48.9 90.9

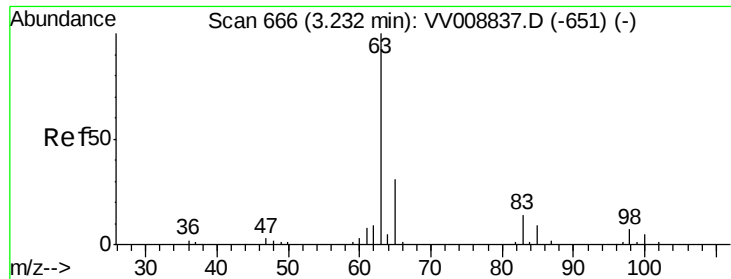


Abundance Ion 96.00 (95.70 to 96.70): VV008838.D (-437) (-)

Ion 61.05 (60.75 to 61.75): VV008838.D (-437) (-)

Ion 97.95 (97.65 to 98.65): VV008838.D (-437) (-)

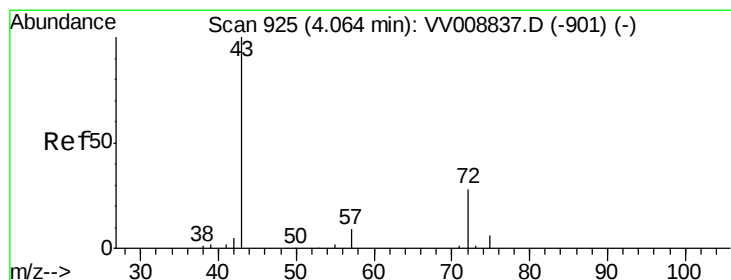
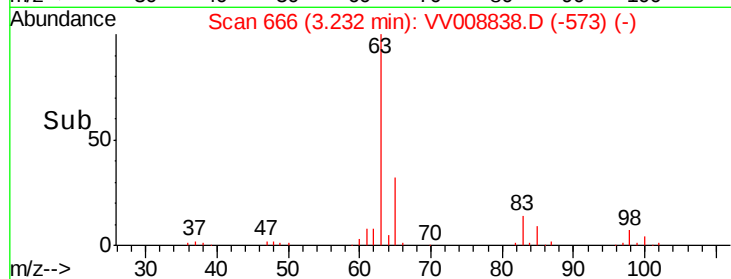
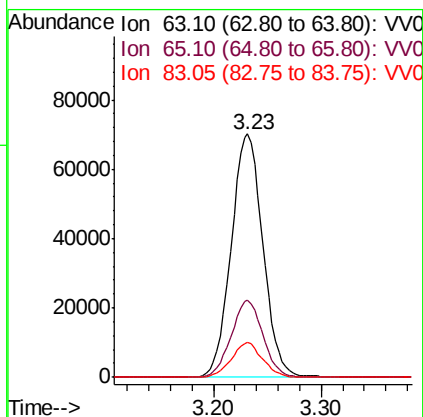
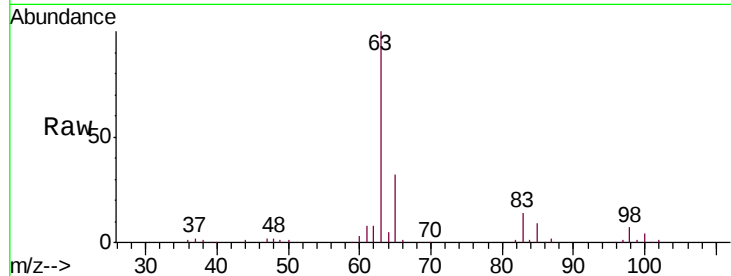




#19
 1,1-Dichloroethane
 Concen: 9.670 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VV008838.D
 Acq: 05 Dec 2018 11:24

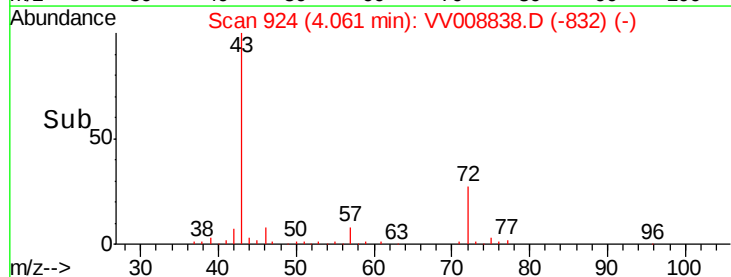
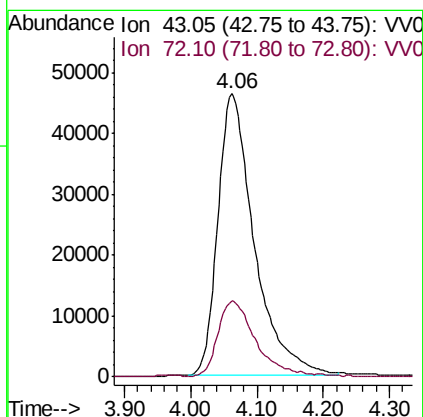
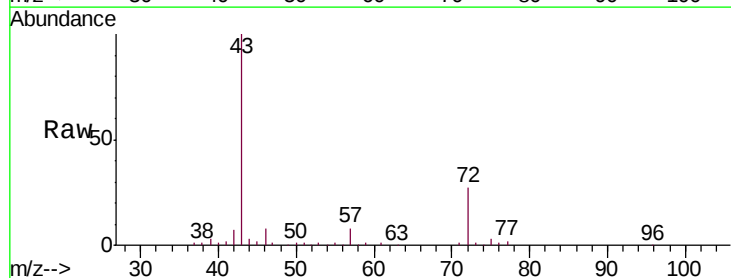
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01067

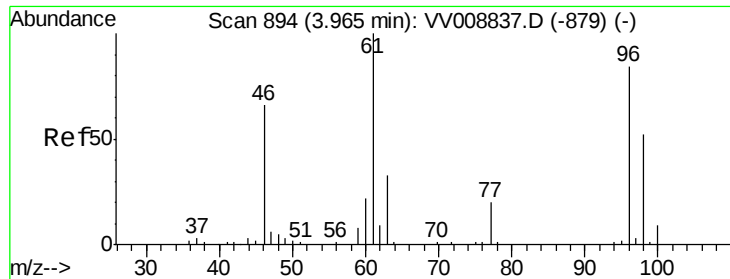
Tgt Ion: 63 Resp: 143817
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.0 40.8
 83 14.3 10.1 18.7



#21
 2-Butanone
 Concen: 92.525 ug/L
 RT: 4.06 min Scan# 924
 Delta R.T. -0.00 min
 Lab File: VV008838.D
 Acq: 05 Dec 2018 11:24

Tgt Ion: 43 Resp: 176424
 Ion Ratio Lower Upper
 43 100
 72 28.2 13.7 41.1



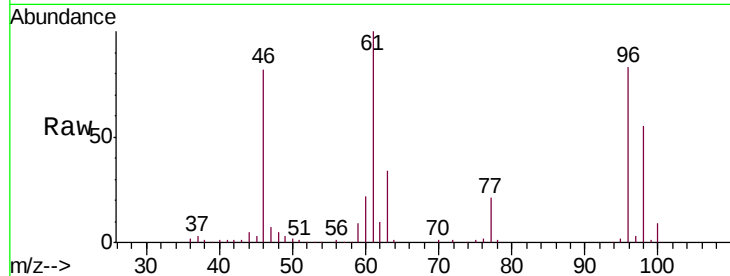


#22

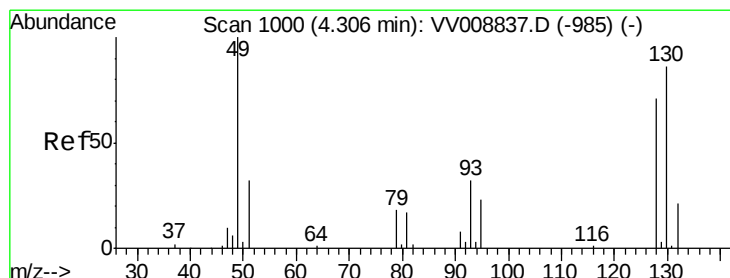
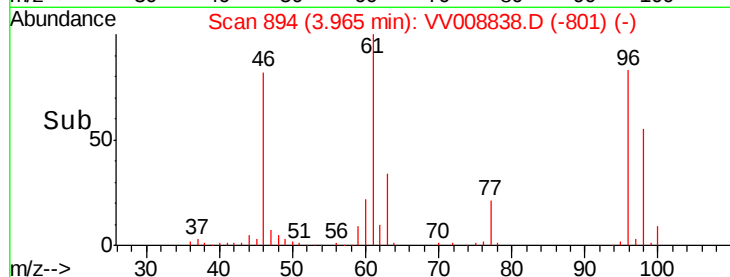
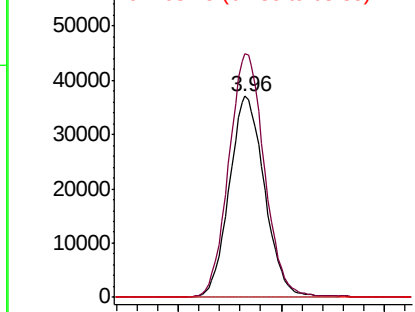
cis-1,2-Dichloroethene
Concen: 9.351 ug/L
RT: 3.96 min Scan# 894
Delta R.T. 0.00 min
Lab File: VV008838.D
Acq: 05 Dec 2018 11:24

Instrument :
MSVOA_V
ClientSampleId :
VSTD01067

Tgt Ion: 96 Resp: 88526
Ion Ratio Lower Upper
96 100
61 121.1 83.2 154.6
68 0.0 0.0 0.0



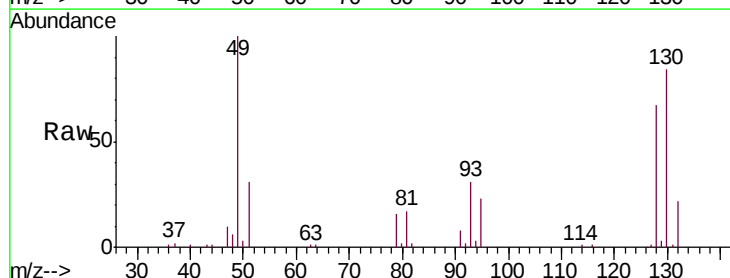
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



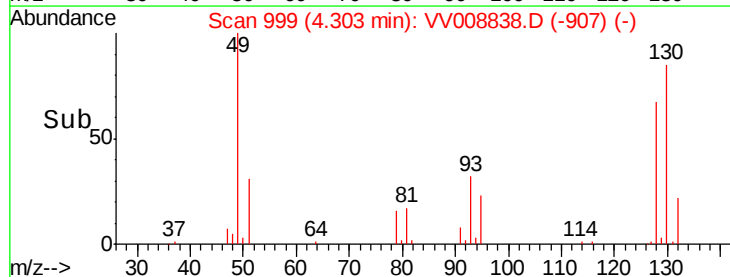
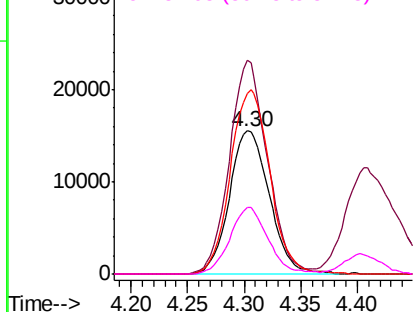
#23

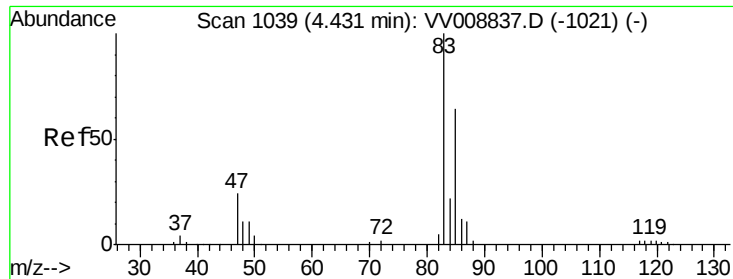
Bromochloromethane
Concen: 9.826 ug/L
RT: 4.30 min Scan# 999
Delta R.T. -0.00 min
Lab File: VV008838.D
Acq: 05 Dec 2018 11:24

Tgt Ion: 128 Resp: 38248
Ion Ratio Lower Upper
128 100
49 149.5 98.1 182.3
130 126.0 84.2 156.4
51 46.5 35.4 53.2



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

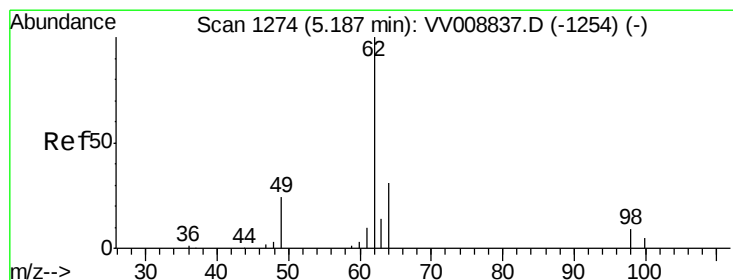
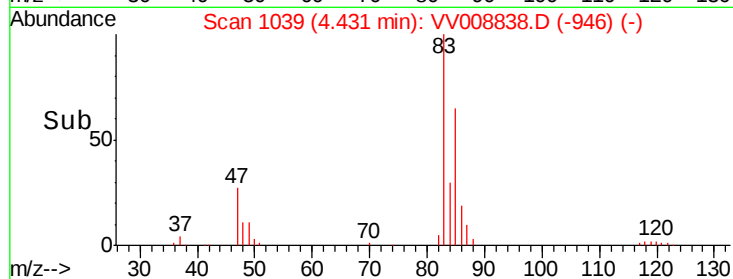
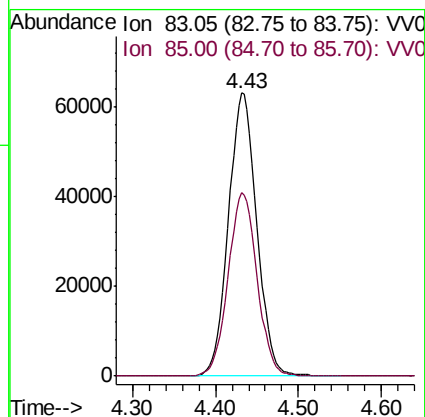
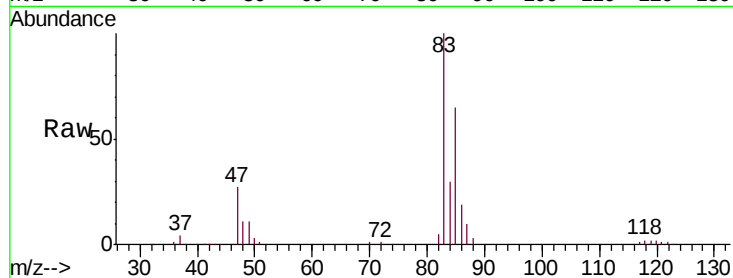




#25
Chloroform
Concen: 9.172 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VV008838.D
Acq: 05 Dec 2018 11:24

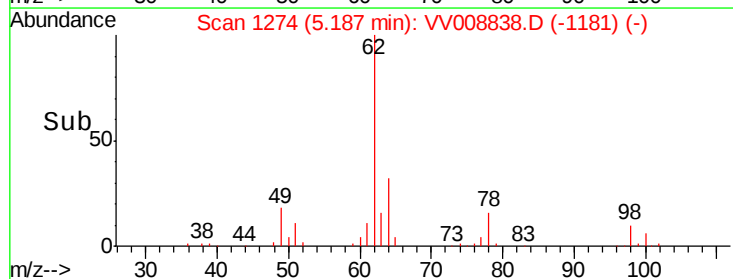
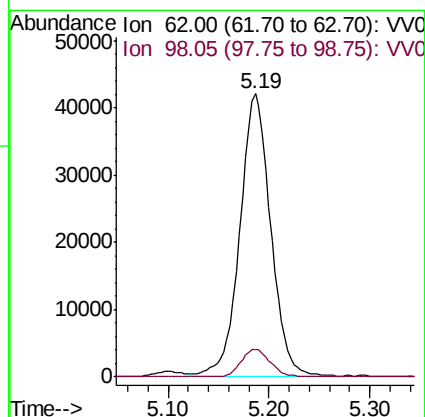
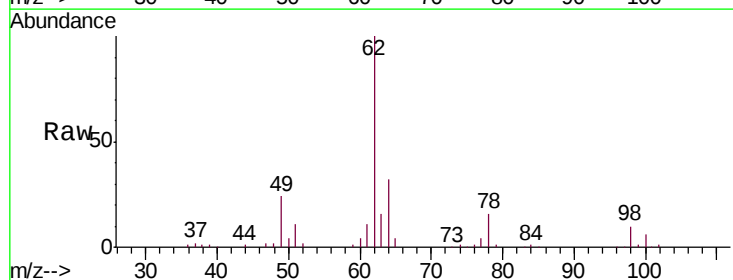
Instrument :
MSVOA_V
ClientSampleId :
VSTD01067

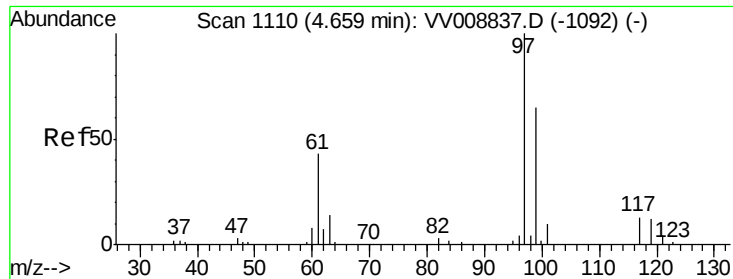
Tgt Ion: 83 Resp: 149925
Ion Ratio Lower Upper
83 100
85 64.7 44.9 83.5



#27
1,2-Dichloroethane
Concen: 9.444 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. 0.00 min
Lab File: VV008838.D
Acq: 05 Dec 2018 11:24

Tgt Ion: 62 Resp: 88758
Ion Ratio Lower Upper
62 100
98 9.9 7.3 10.9

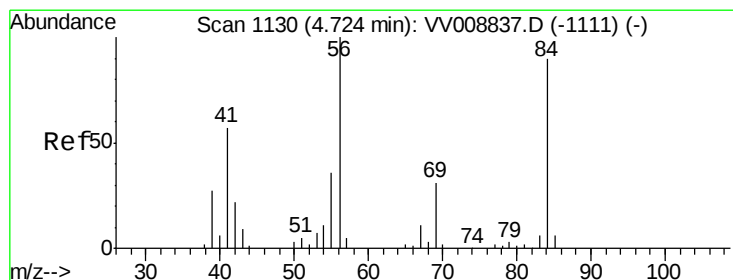
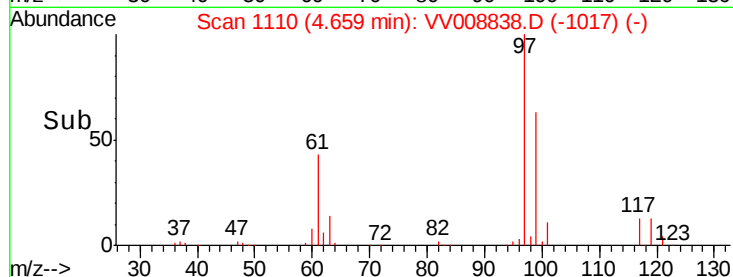
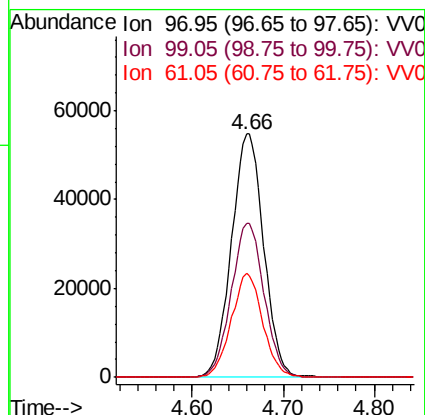
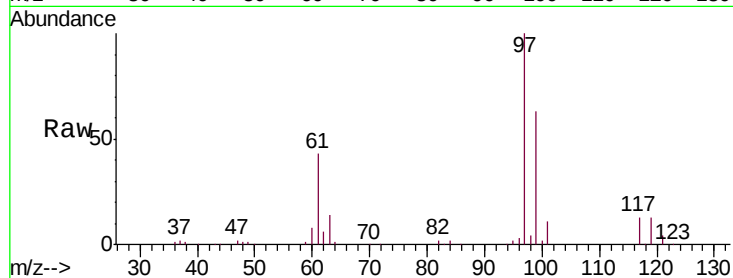




#29
 1,1,1-Trichloroethane
 Concen: 9.646 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VV008838.D
 Acq: 05 Dec 2018 11:24

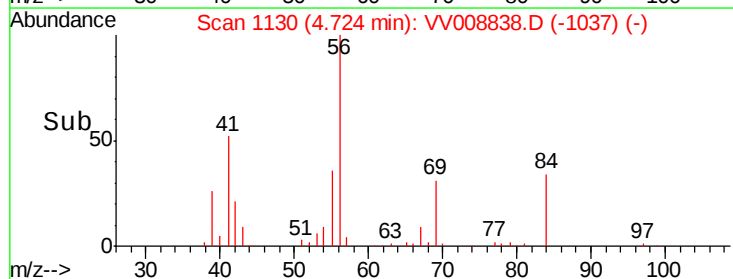
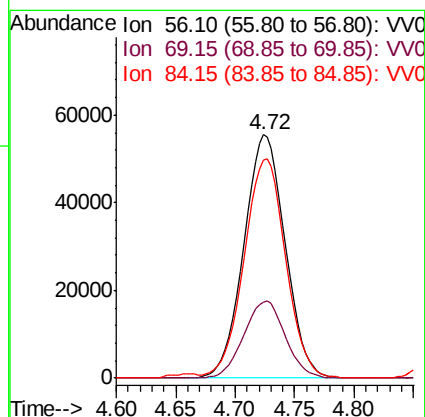
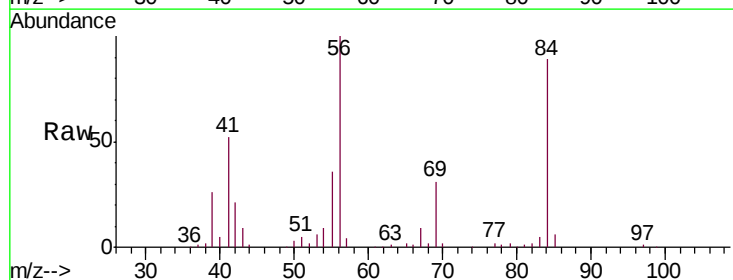
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01067

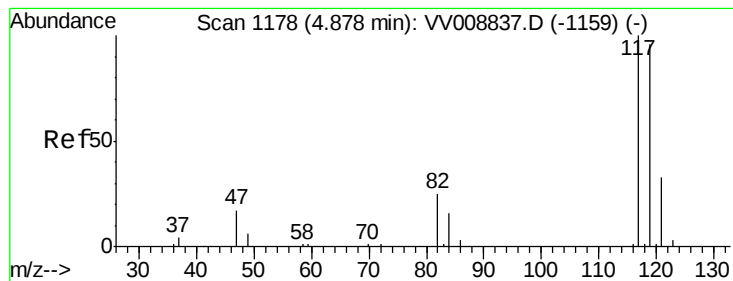
Tgt Ion: 97 Resp: 134578
 Ion Ratio Lower Upper
 97 100
 99 64.5 50.7 76.1
 61 41.7 34.0 51.0



#30
 Cyclohexane
 Concen: 9.248 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. 0.00 min
 Lab File: VV008838.D
 Acq: 05 Dec 2018 11:24

Tgt Ion: 56 Resp: 133497
 Ion Ratio Lower Upper
 56 100
 69 31.7 25.4 38.2
 84 91.1 72.2 108.2





#31

Carbon tetrachloride

Concen: 9.920 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV008838.D

Acq: 05 Dec 2018 11:24

Instrument :

MSVOA_V

ClientSampleId :

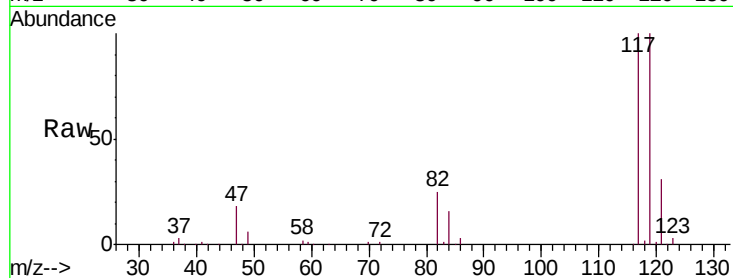
VSTD01067

Tgt Ion:117 Resp: 120266

Ion Ratio Lower Upper

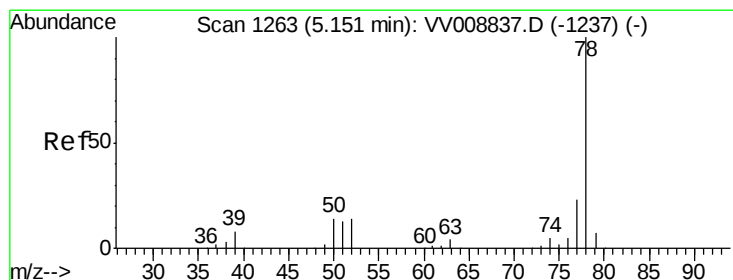
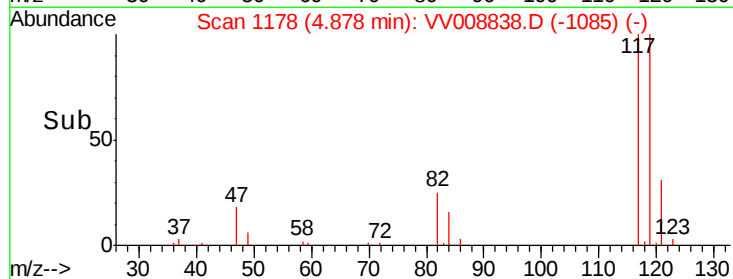
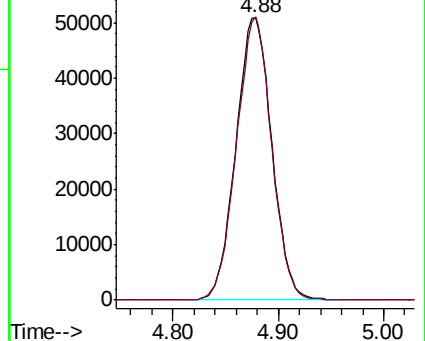
117 100

119 98.2 77.1 115.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 9.304 ug/L

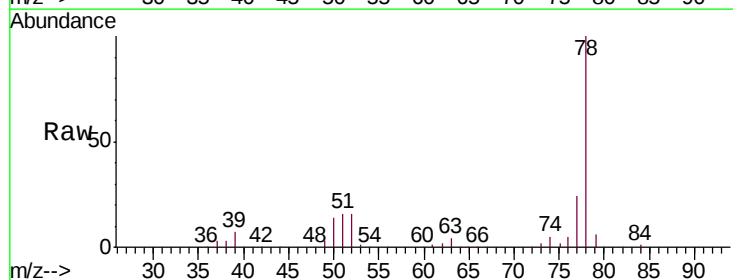
RT: 5.15 min Scan# 1263

Delta R.T. 0.00 min

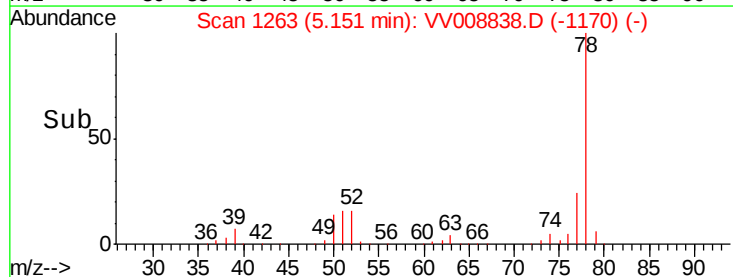
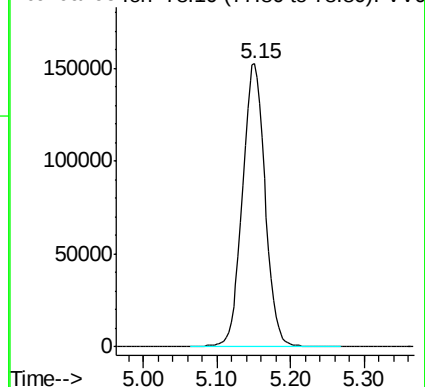
Lab File: VV008838.D

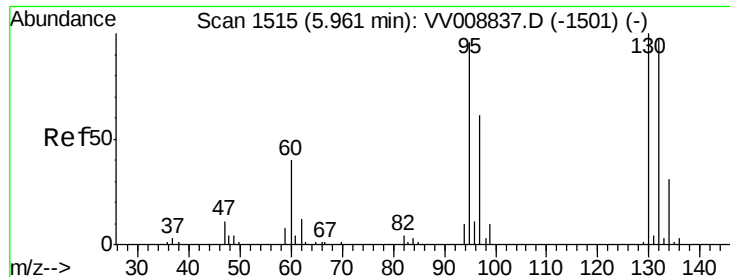
Acq: 05 Dec 2018 11:24

Tgt Ion: 78 Resp: 327902



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 9.264 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV008838.D

Acq: 05 Dec 2018 11:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD01067

Tgt Ion: 95 Resp: 91671

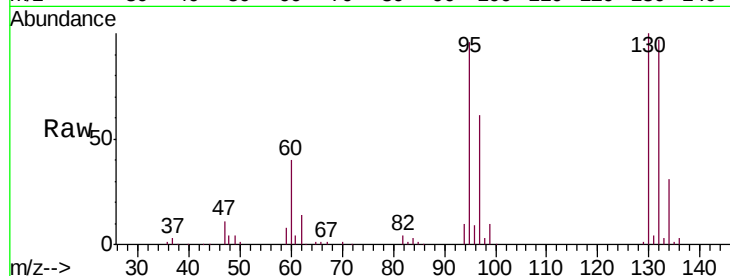
Ion Ratio Lower Upper

95 100

97 63.7 44.4 82.5

132 100.4 70.7 131.3

130 103.9 72.9 135.3

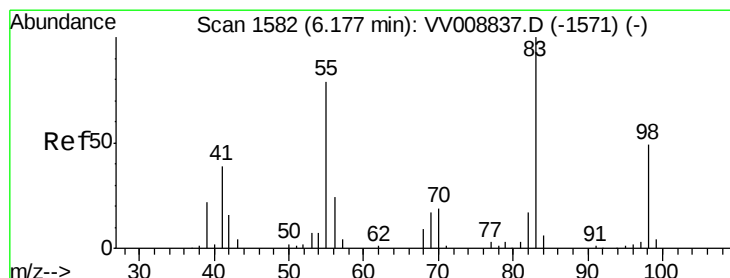
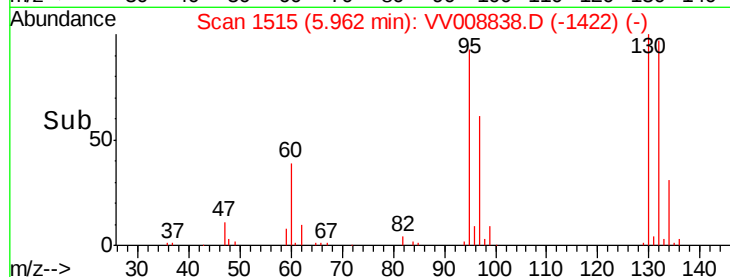
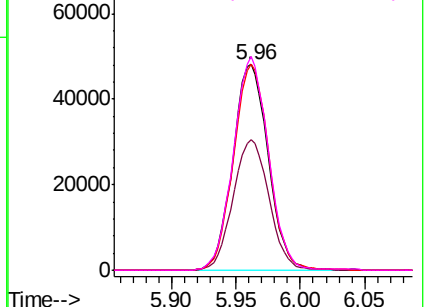


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 9.614 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV008838.D

Acq: 05 Dec 2018 11:24

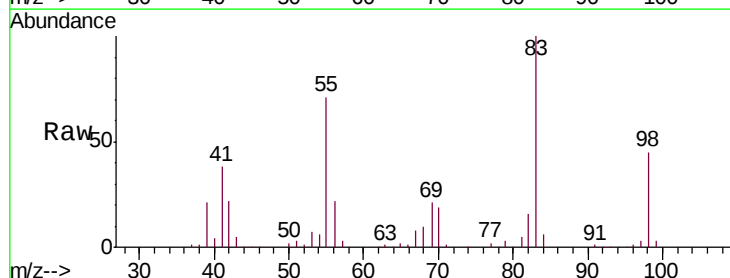
Tgt Ion: 83 Resp: 150380

Ion Ratio Lower Upper

83 100

55 73.1 60.0 90.0

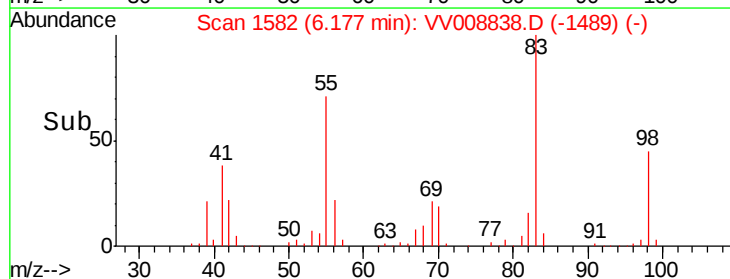
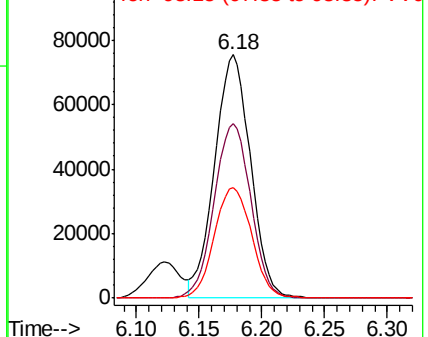
98 47.5 39.0 58.6

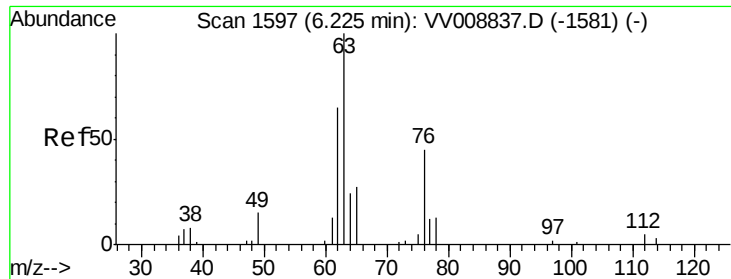


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

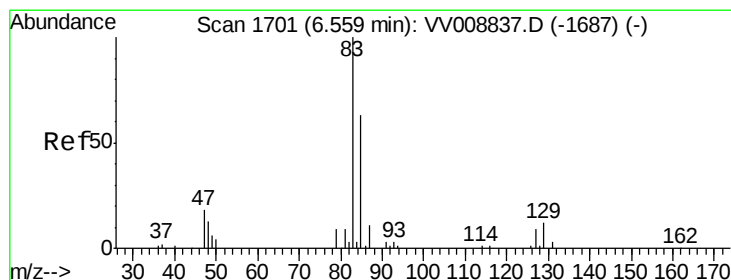
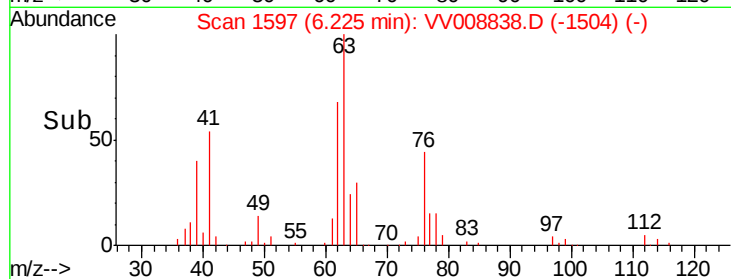
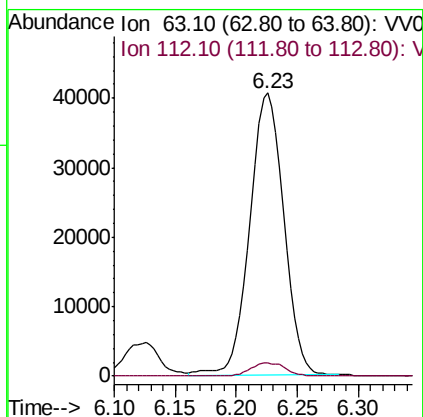
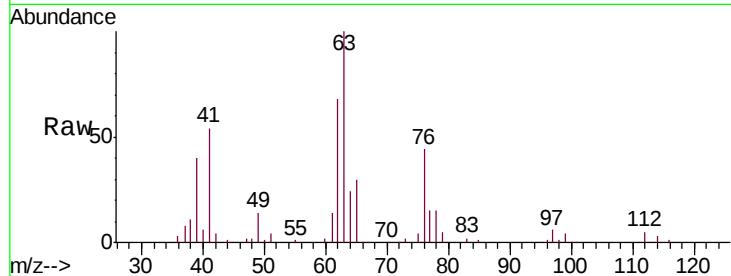




#37
 1,2-Dichloropropane
 Concen: 8.917 ug/L
 RT: 6.23 min Scan# 1597
 Delta R.T. 0.00 min
 Lab File: VV008838.D
 Acq: 05 Dec 2018 11:24

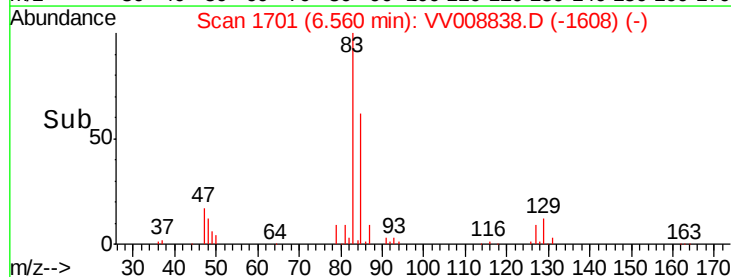
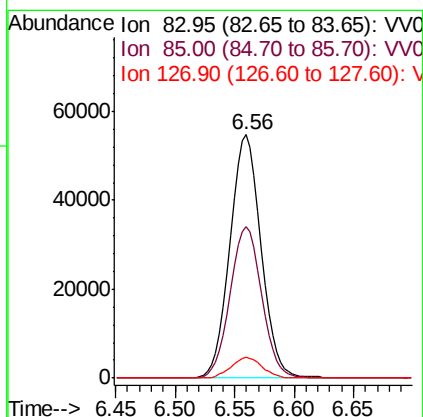
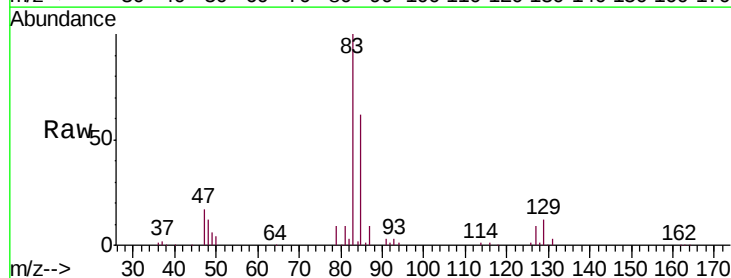
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01067

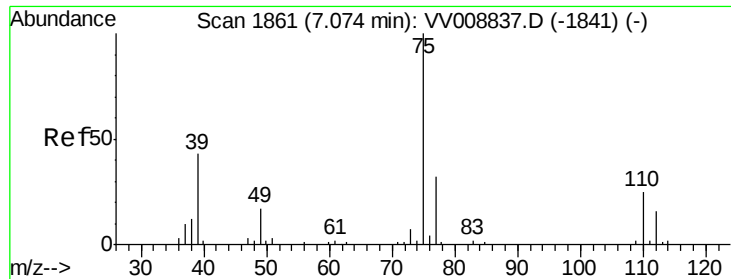
Tgt Ion: 63 Resp: 78342
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.5 5.3



#38
 Bromodichloromethane
 Concen: 9.851 ug/L
 RT: 6.56 min Scan# 1701
 Delta R.T. 0.00 min
 Lab File: VV008838.D
 Acq: 05 Dec 2018 11:24

Tgt Ion: 83 Resp: 99480
 Ion Ratio Lower Upper
 83 100
 85 62.0 44.2 82.0
 127 8.5 7.5 11.3

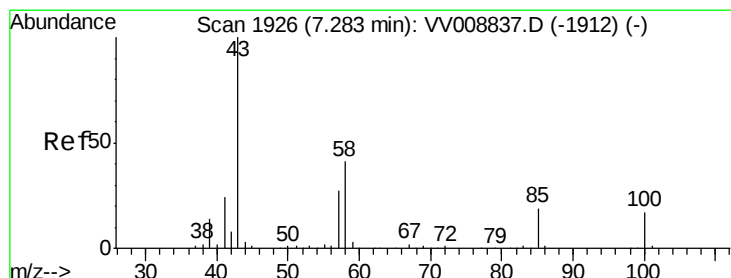
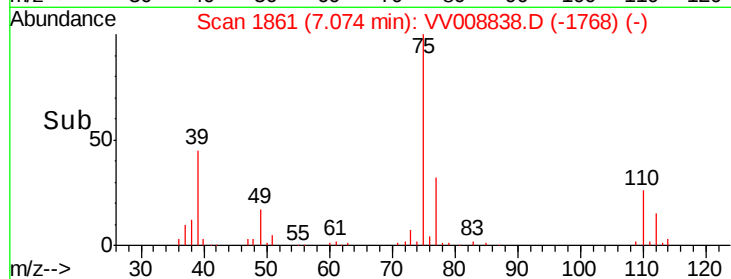
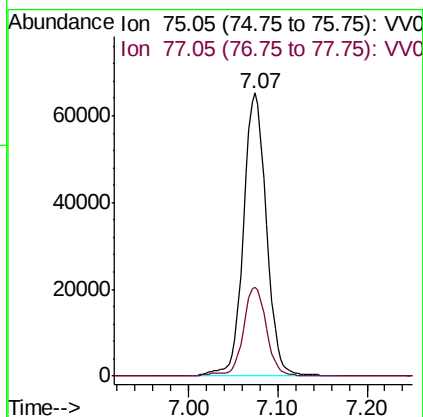
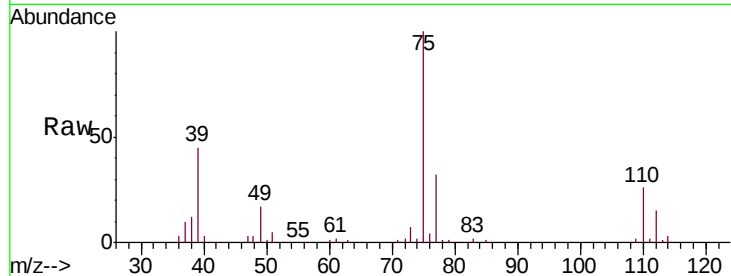




#39
 cis-1,3-Dichloropropene
 Concen: 10.081 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV008838.D
 Acq: 05 Dec 2018 11:24

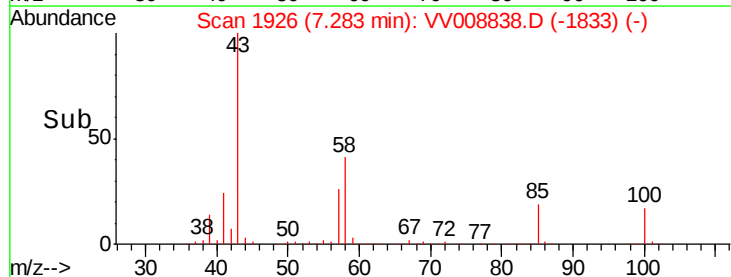
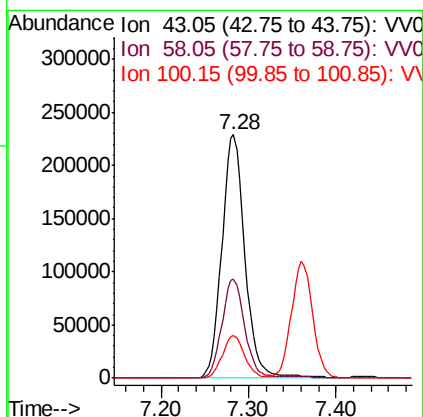
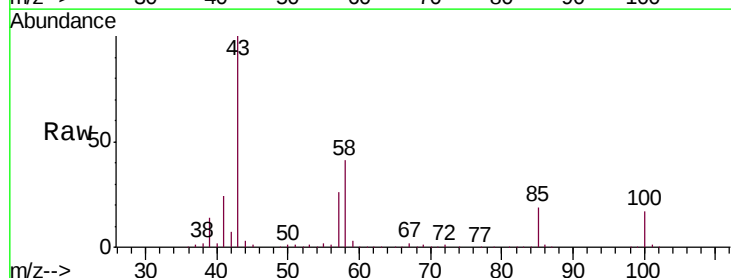
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01067

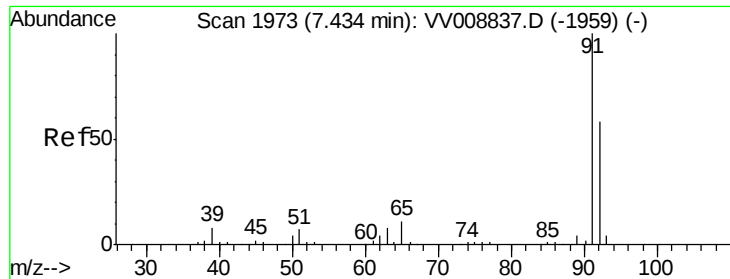
Tgt Ion: 75 Resp: 117018
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 93.060 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. 0.00 min
 Lab File: VV008838.D
 Acq: 05 Dec 2018 11:24

Tgt Ion: 43 Resp: 418909
 Ion Ratio Lower Upper
 43 100
 58 40.3 32.6 48.8
 100 16.9 13.4 20.0





#42

Toluene

Concen: 9.593 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV008838.D

Acq: 05 Dec 2018 11:24

Instrument :

MSVOA_V

ClientSampleId :

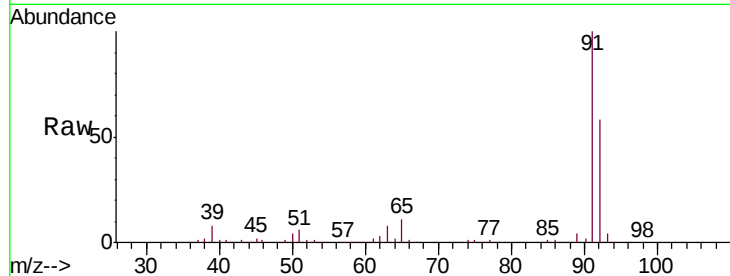
VSTD01067

Tgt Ion: 91 Resp: 355682

Ion Ratio Lower Upper

91 100

92 58.2 40.9 76.0



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

250000

200000

150000

100000

50000

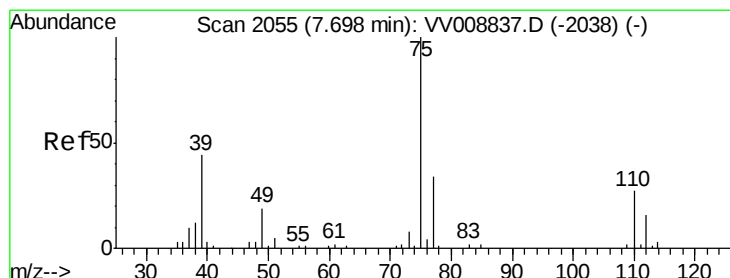
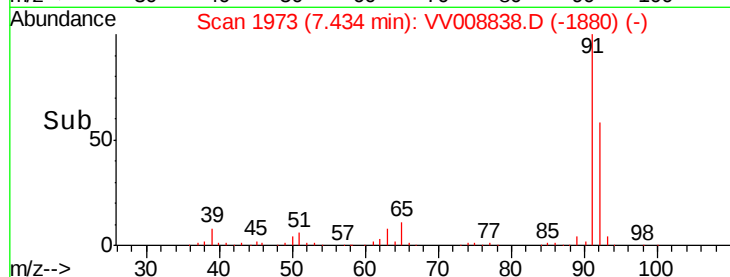
0

7.40

7.43

7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 10.162 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV008838.D

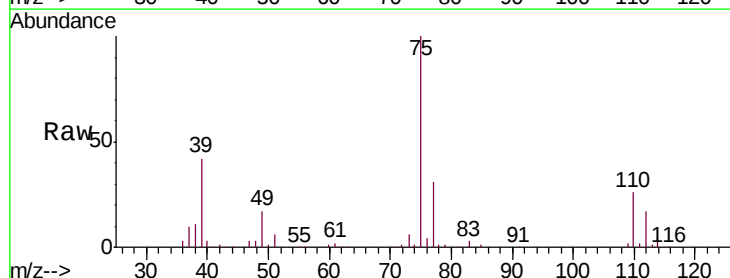
Acq: 05 Dec 2018 11:24

Tgt Ion: 75 Resp: 93366

Ion Ratio Lower Upper

75 100

77 30.8 23.6 43.8



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

60000

50000

40000

30000

20000

10000

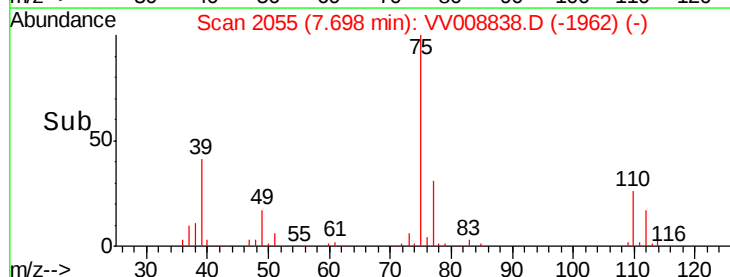
0

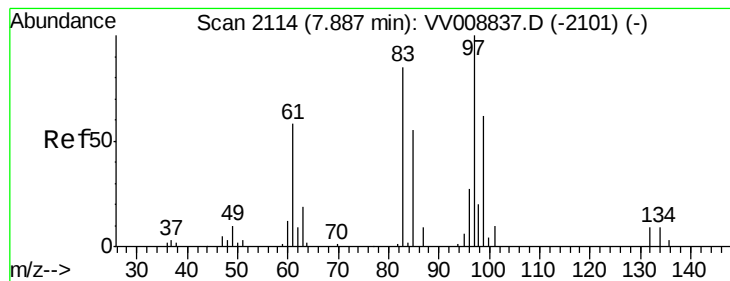
7.60

7.70

7.80

Time-->





#45

1,1,2-Trichloroethane

Concen: 9.525 ug/L

RT: 7.89 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VV008838.D

Acq: 05 Dec 2018 11:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD01067

Tgt Ion: 97 Resp: 55684

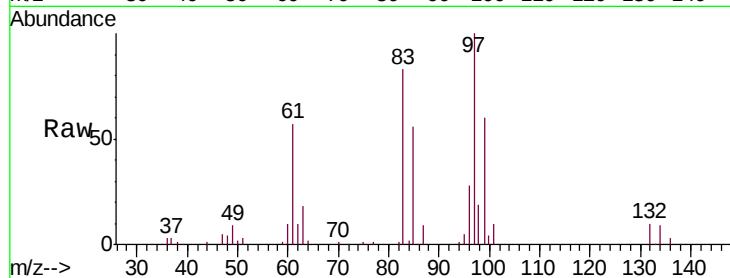
Ion Ratio Lower Upper

97 100

99 60.3 43.3 80.3

83 83.3 59.4 110.2

85 55.7 38.5 71.5

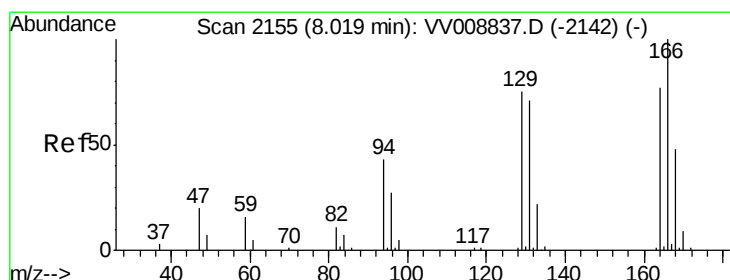
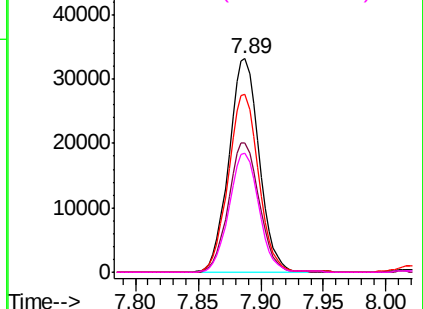
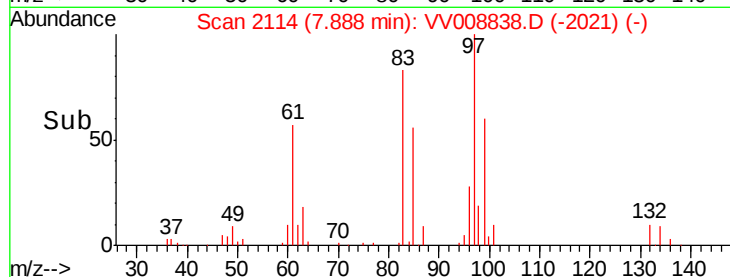


Abundance Ion 96.95 (96.65 to 97.65): VV0

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: 9.799 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV008838.D

Acq: 05 Dec 2018 11:24

Tgt Ion: 164 Resp: 75480

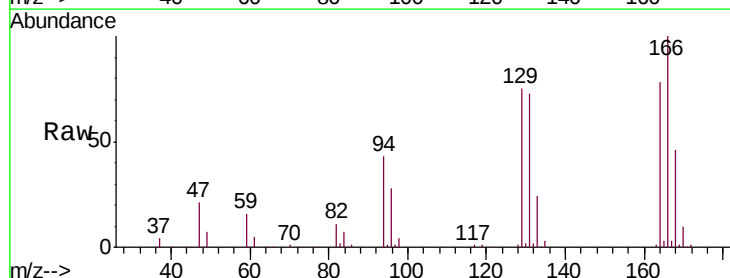
Ion Ratio Lower Upper

164 100

129 96.1 68.8 127.8

131 92.9 64.8 120.4

166 127.9 91.5 169.9

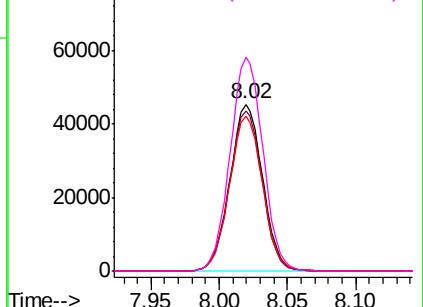
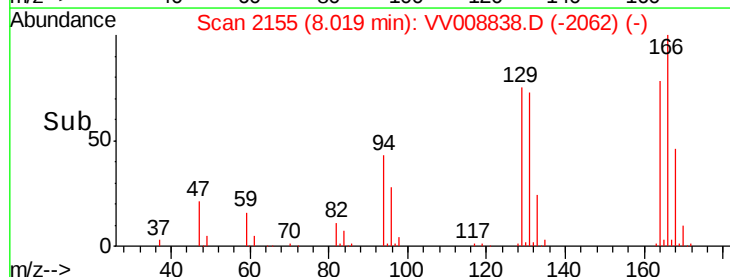


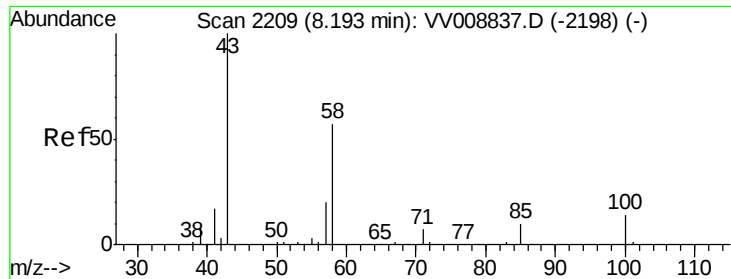
Abundance Ion 163.90 (163.60 to 164.60): V

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

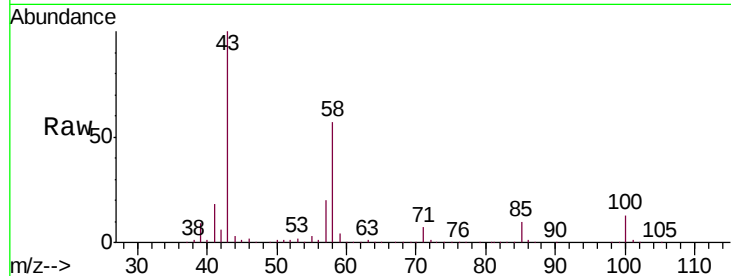




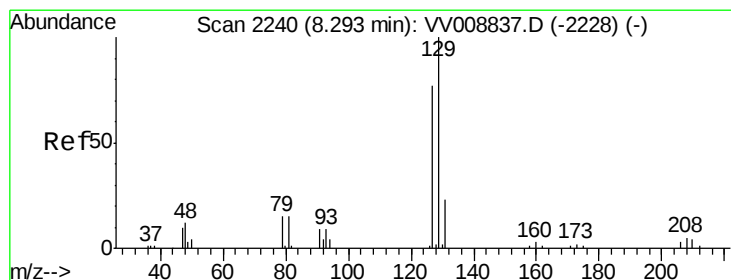
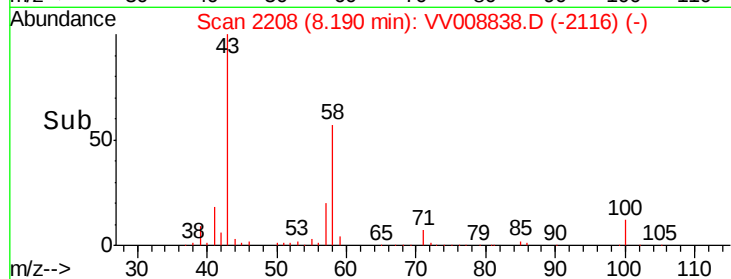
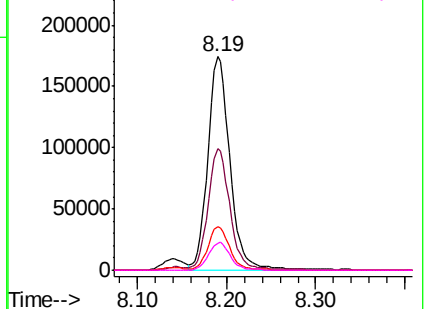
#48
2-Hexanone
Concen: 94.347 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VV008838.D
Acq: 05 Dec 2018 11:24

Instrument :
MSVOA_V
ClientSampleId :
VSTD01067

Tgt Ion: 43 Resp: 297665
Ion Ratio Lower Upper
43 100
58 55.7 44.4 66.6
57 20.1 15.8 23.8
100 13.0 10.9 16.3

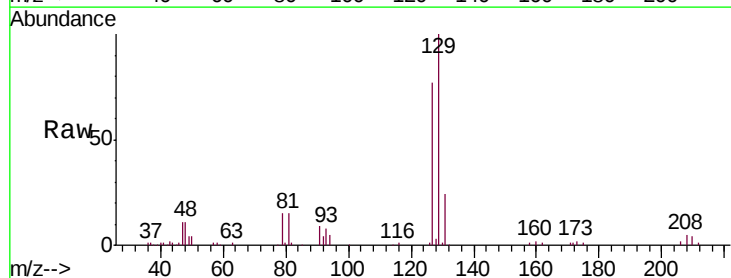


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

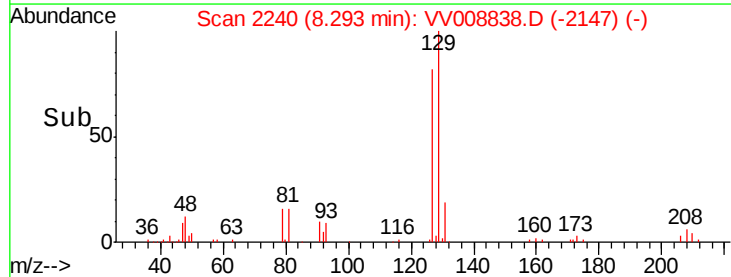
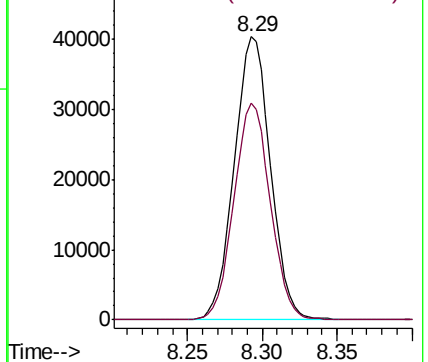


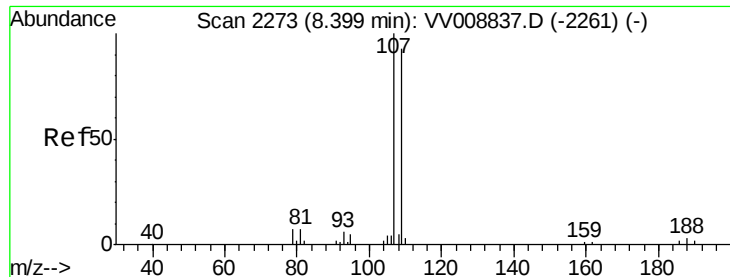
#49
Dibromochloromethane
Concen: 10.530 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV008838.D
Acq: 05 Dec 2018 11:24

Tgt Ion: 129 Resp: 68141
Ion Ratio Lower Upper
129 100
127 76.5 54.0 100.4



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

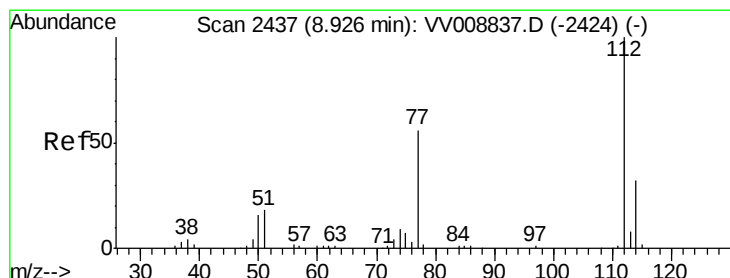
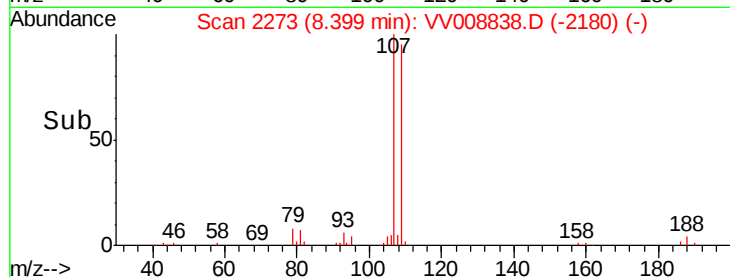
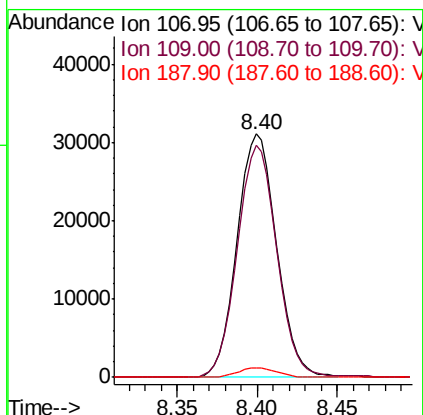
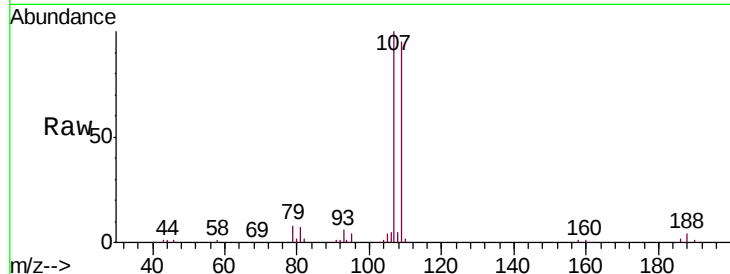




#50
1,2-Dibromoethane
Concen: 9.460 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV008838.D
Acq: 05 Dec 2018 11:24

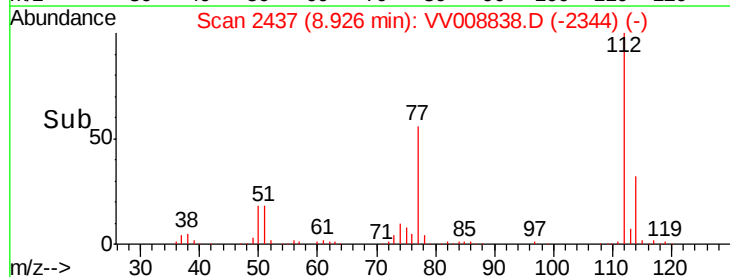
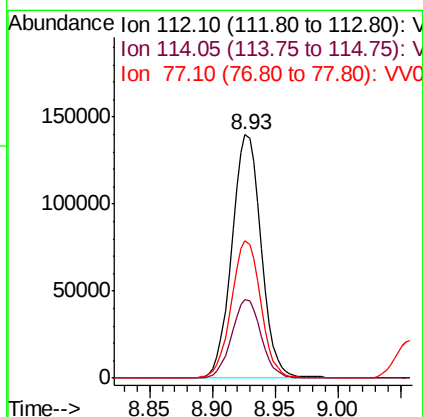
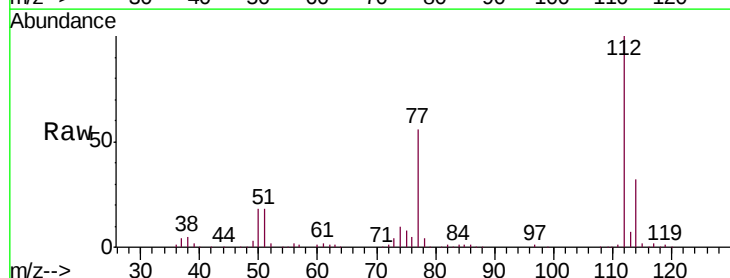
Instrument :
MSVOA_V
ClientSampleId :
VSTD01067

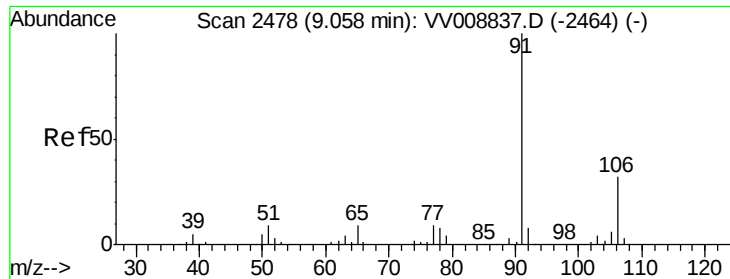
Tgt Ion:107 Resp: 52398
Ion Ratio Lower Upper
107 100
109 95.2 65.3 121.3
188 4.1 2.5 3.7#



#51
Chlorobenzene
Concen: 9.288 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV008838.D
Acq: 05 Dec 2018 11:24

Tgt Ion:112 Resp: 227257
Ion Ratio Lower Upper
112 100
114 32.2 22.3 41.5
77 56.5 45.2 67.8





#52

Ethylbenzene

Concen: 9.691 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV008838.D

Acq: 05 Dec 2018 11:24

Instrument :

MSVOA_V

ClientSampleId :

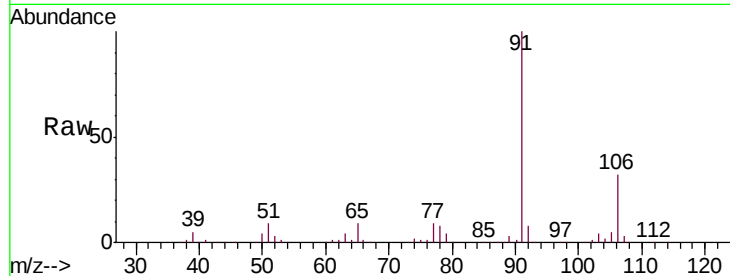
VSTD01067

Tgt Ion: 91 Resp: 389316

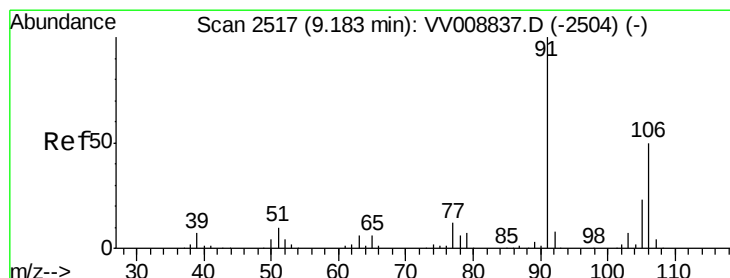
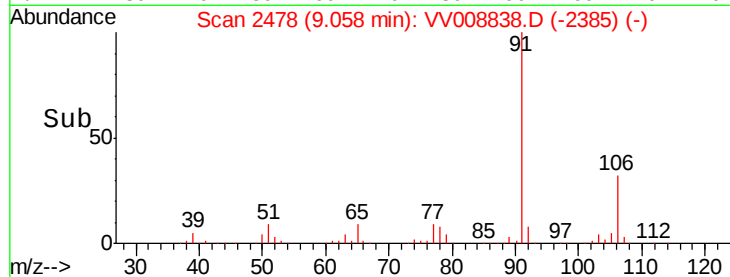
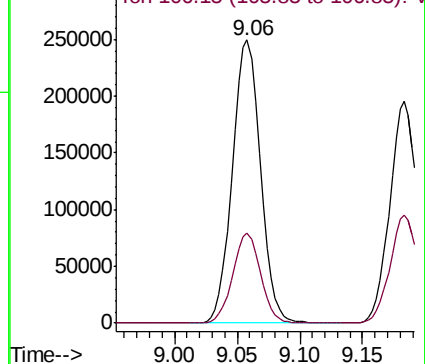
Ion Ratio Lower Upper

91 100

106 31.7 22.1 41.1



Abundance Ion 91.15 (90.85 to 91.85): VV008838.D (-2464) (-)



#53

m,p-xylene

Concen: 9.969 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV008838.D

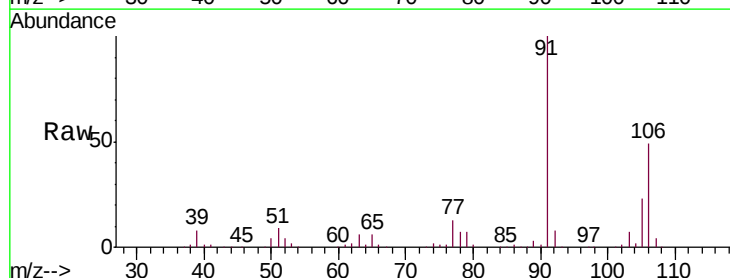
Acq: 05 Dec 2018 11:24

Tgt Ion: 106 Resp: 150587

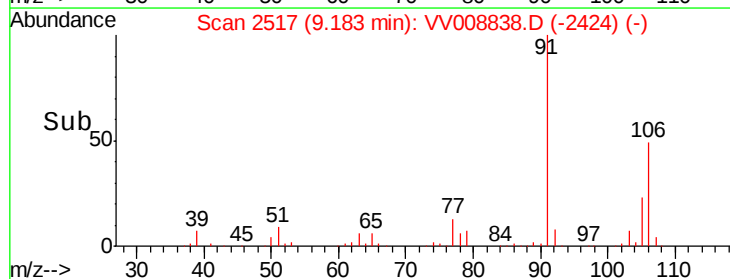
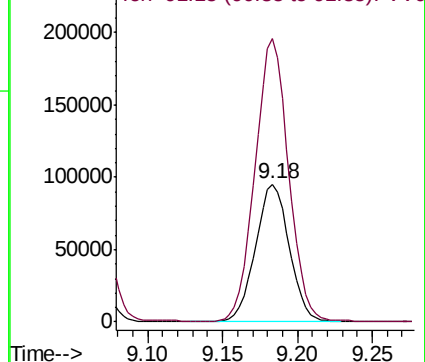
Ion Ratio Lower Upper

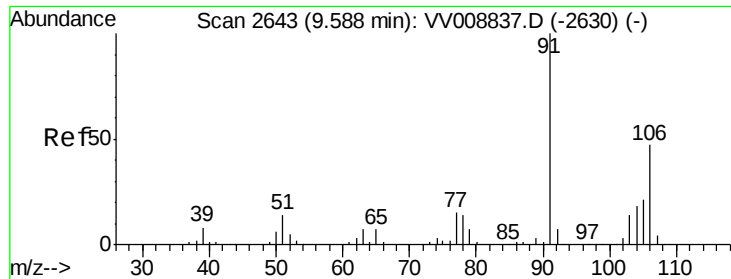
106 100

91 205.6 141.9 263.5



Abundance Ion 106.15 (105.85 to 106.85): VV008838.D (-2517) (-)

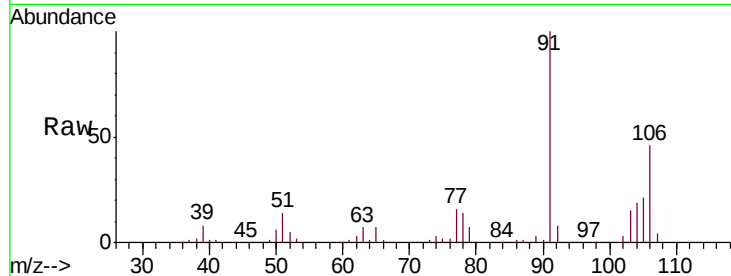




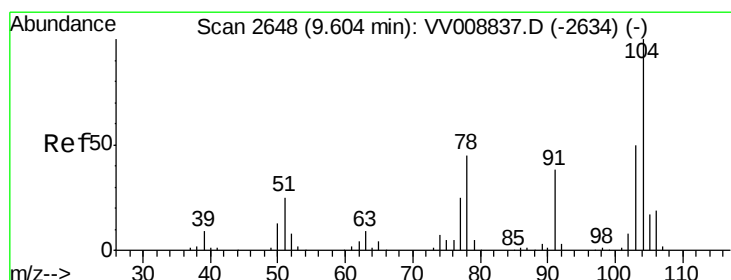
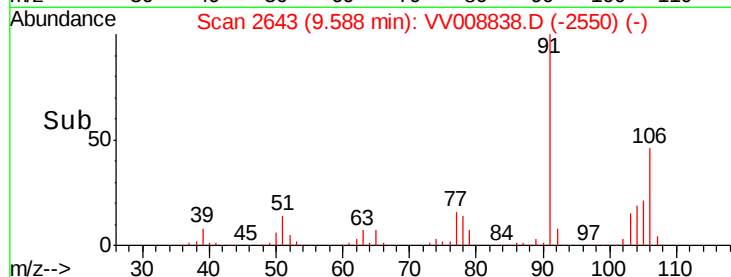
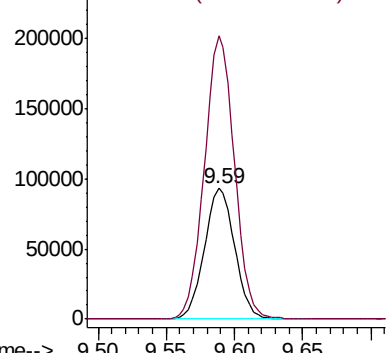
#54
o-xylene
Concen: 9.901 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV008838.D
Acq: 05 Dec 2018 11:24

Instrument :
MSVOA_V
ClientSampleId :
VSTD01067

Tgt Ion:106 Resp: 143555
Ion Ratio Lower Upper
106 100
91 216.8 149.0 276.6

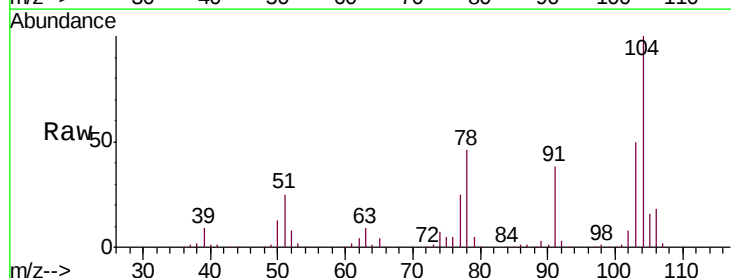


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

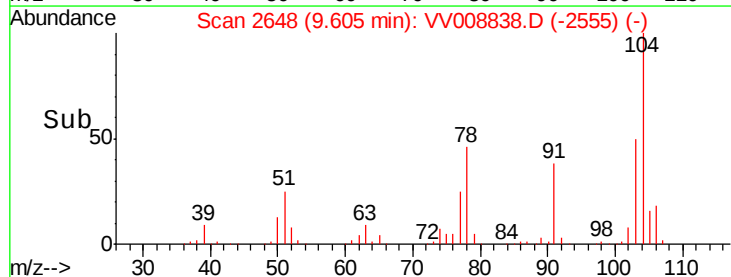
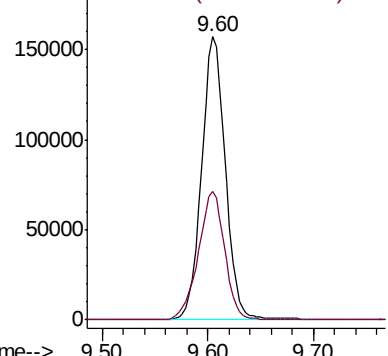


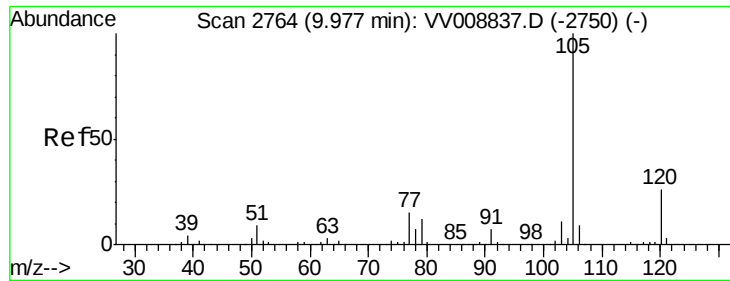
#55
Styrene
Concen: 10.130 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV008838.D
Acq: 05 Dec 2018 11:24

Tgt Ion:104 Resp: 245201
Ion Ratio Lower Upper
104 100
78 45.6 31.4 58.4



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





#56

Isopropylbenzene

Concen: 9.885 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008838.D

Acq: 05 Dec 2018 11:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD01067

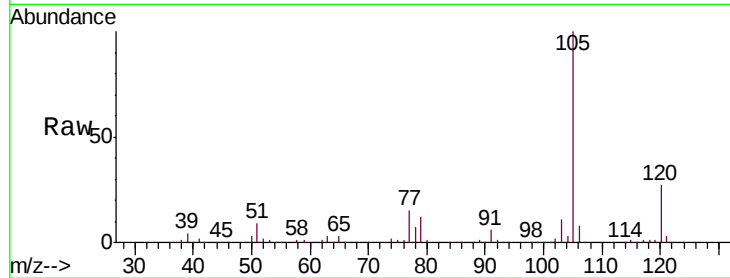
Tgt Ion:105 Resp: 391404

Ion Ratio Lower Upper

105 100

120 27.0 21.2 31.8

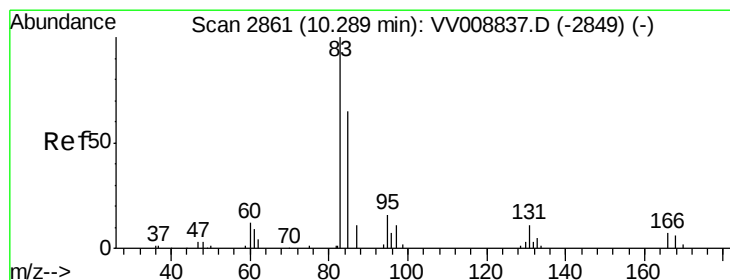
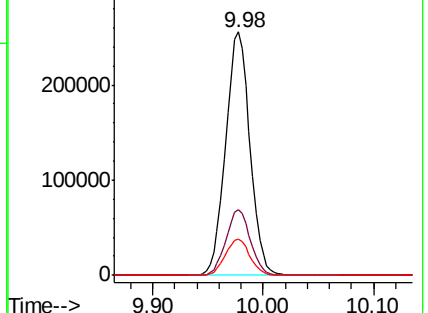
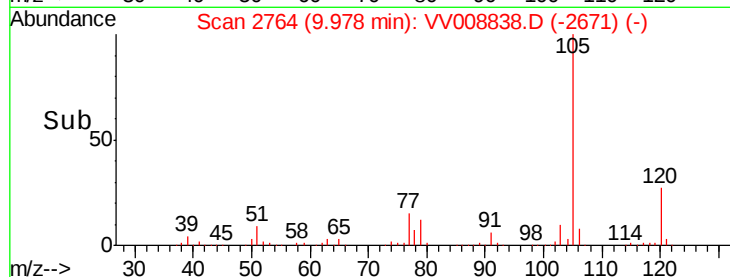
77 15.1 12.4 18.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 9.779 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV008838.D

Acq: 05 Dec 2018 11:24

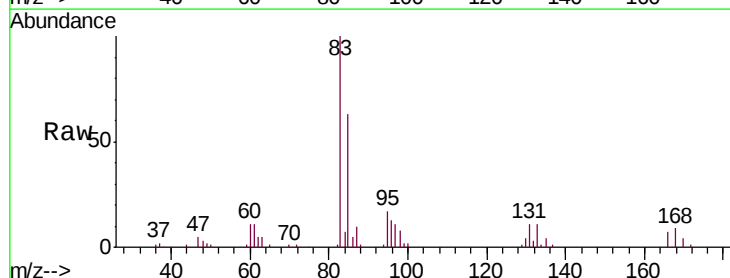
Tgt Ion: 83 Resp: 60491

Ion Ratio Lower Upper

83 100

85 63.0 45.8 85.0

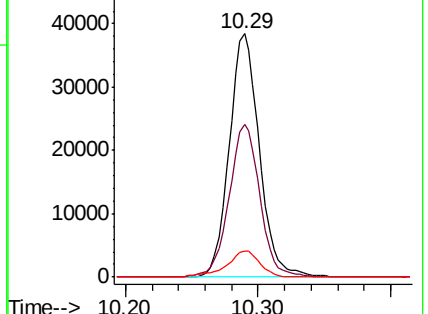
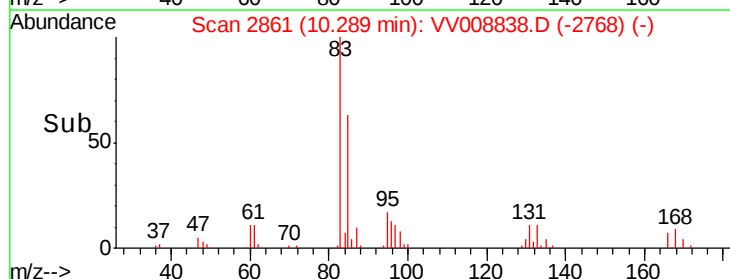
131 10.9 9.6 14.4

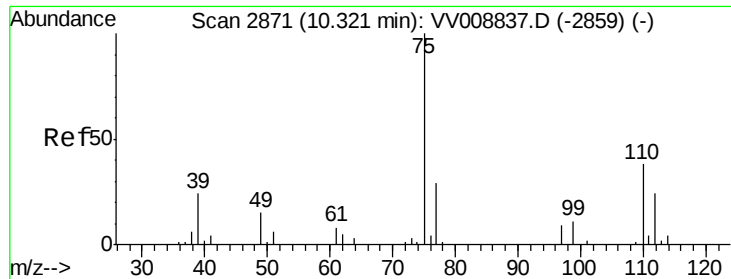


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 9.370 ug/L

RT: 10.32 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VV008838.D

Acq: 05 Dec 2018 11:24

Instrument :

MSVOA_V

ClientSampleId :

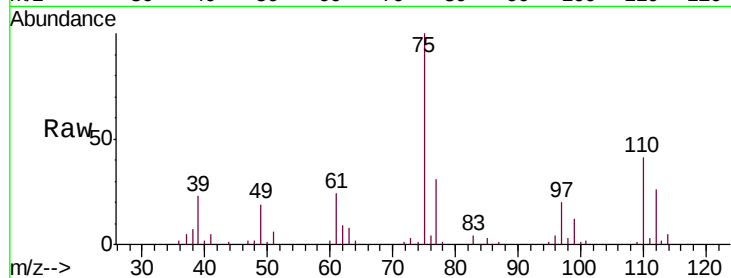
VSTD01067

Tgt Ion: 75 Resp: 47421

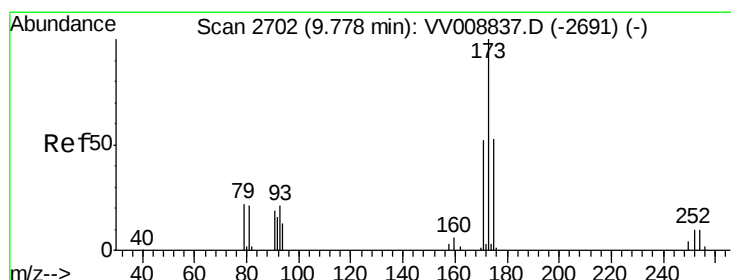
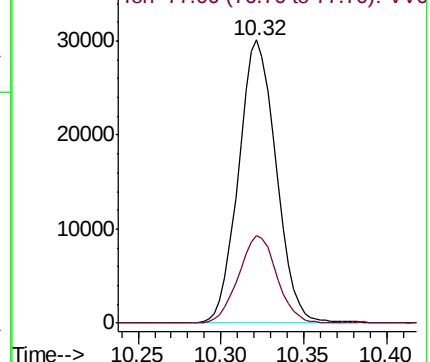
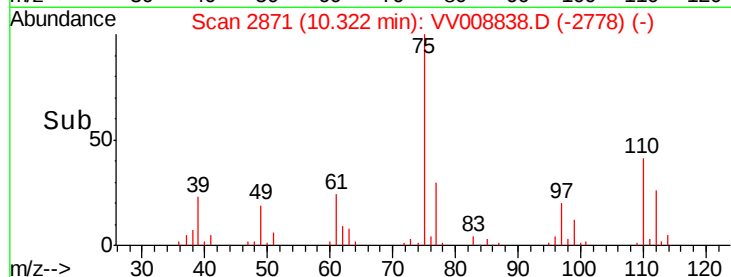
Ion Ratio Lower Upper

75 100

77 31.4 24.8 37.2



Abundance Ion 75.00 (74.70 to 75.70): VV008838.D (-2778) (-)



#61

Bromoform

Concen: 10.714 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VV008838.D

Acq: 05 Dec 2018 11:24

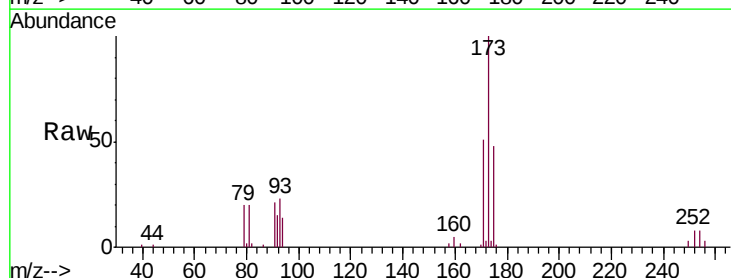
Tgt Ion: 173 Resp: 35014

Ion Ratio Lower Upper

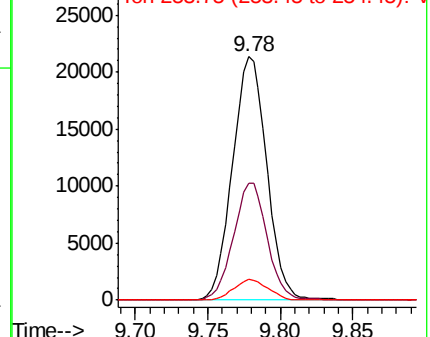
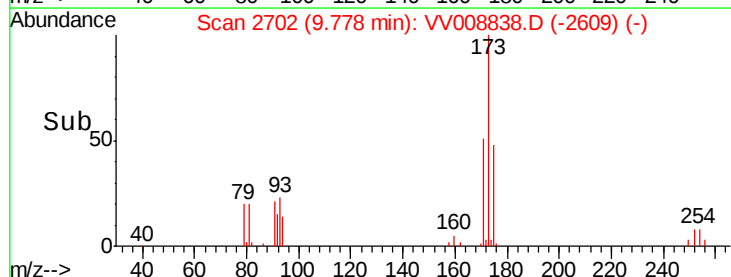
173 100

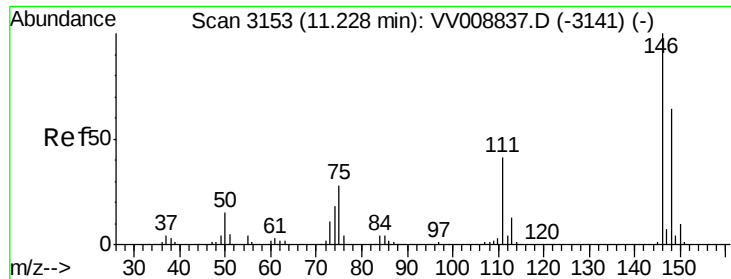
175 47.2 40.2 60.4

254 8.4 7.0 10.6



Abundance Ion 172.90 (172.60 to 173.60): VV008838.D (-2609) (-)





#62

1,3-Dichlorobenzene

Concen: 9.283 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.00 min

Lab File: VV008838.D

Acq: 05 Dec 2018 11:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD01067

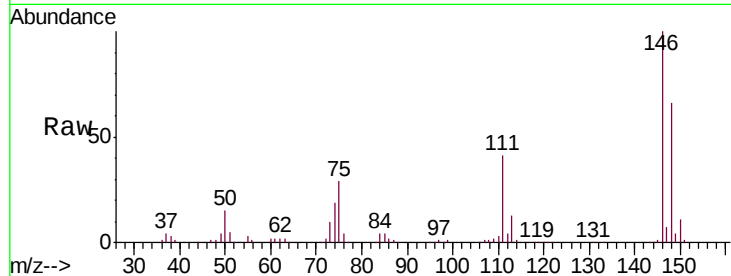
Tgt Ion:146 Resp: 179757

Ion Ratio Lower Upper

146 100

111 41.2 28.5 52.9

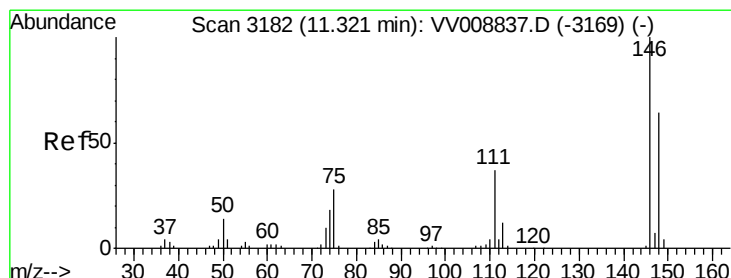
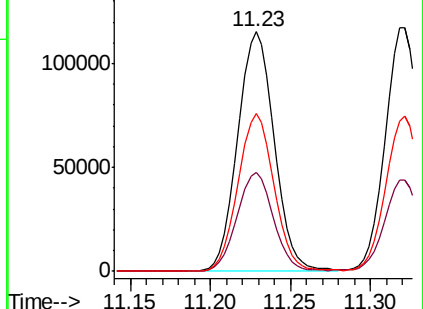
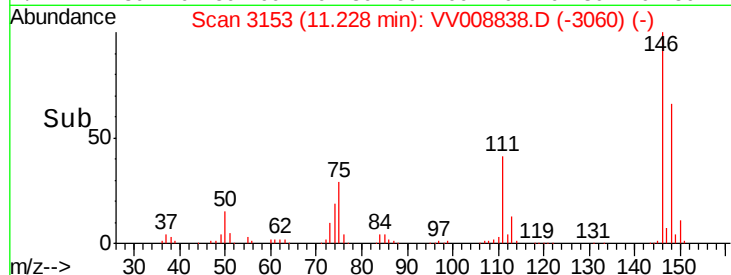
148 65.7 45.0 83.6



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: 9.532 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV008838.D

Acq: 05 Dec 2018 11:24

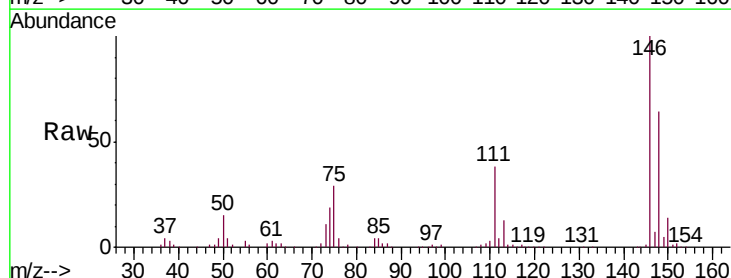
Tgt Ion:146 Resp: 183934

Ion Ratio Lower Upper

146 100

111 37.6 26.2 48.8

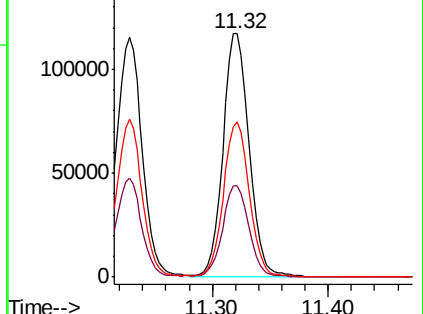
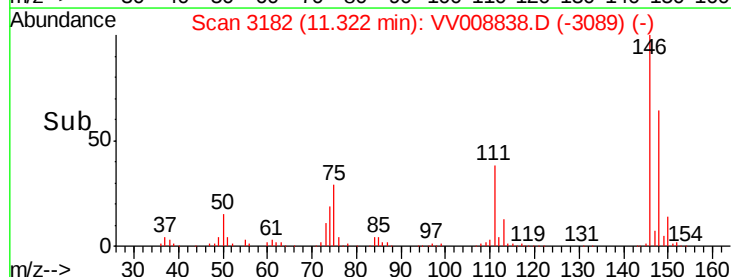
148 63.7 44.7 82.9

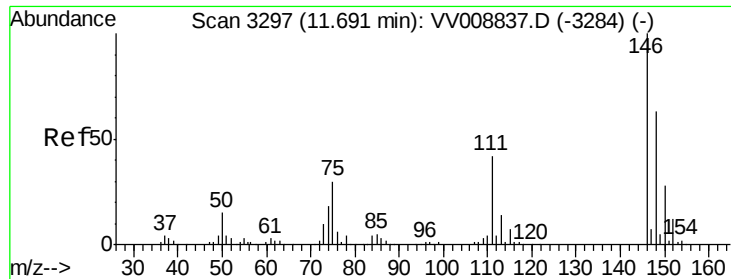


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

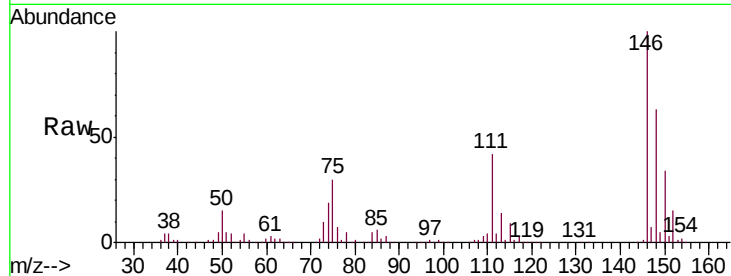




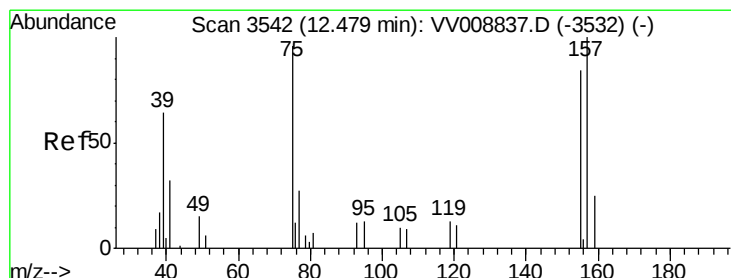
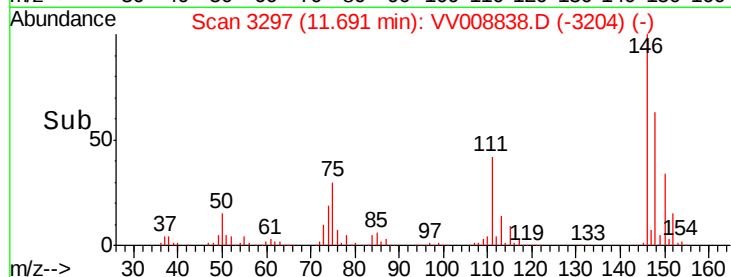
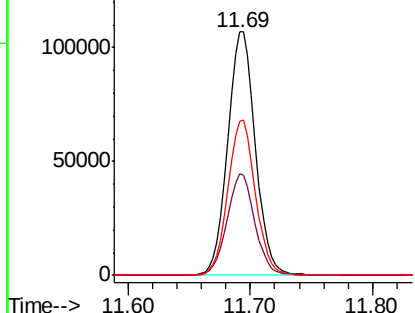
#65
 1,2-Dichlorobenzene
 Concen: 9.275 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV008838.D
 Acq: 05 Dec 2018 11:24

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01067

Tgt Ion: 146 Resp: 169959
 Ion Ratio Lower Upper
 146 100
 111 41.6 33.8 50.6
 148 63.5 50.0 75.0

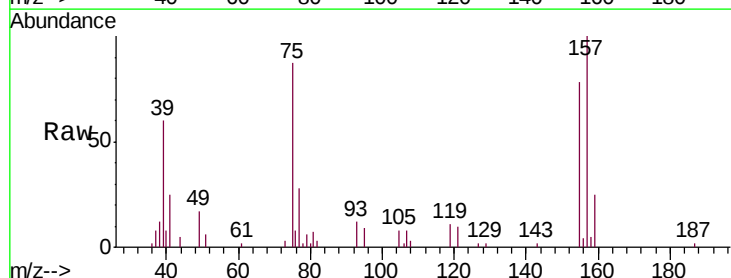


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

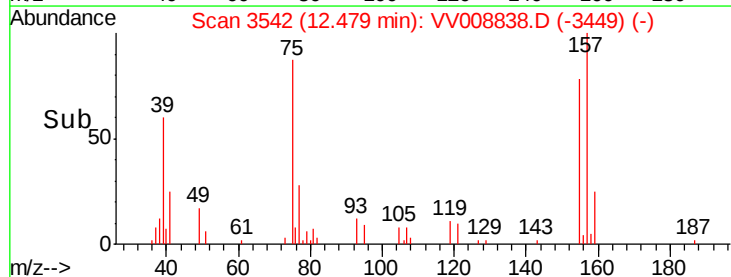
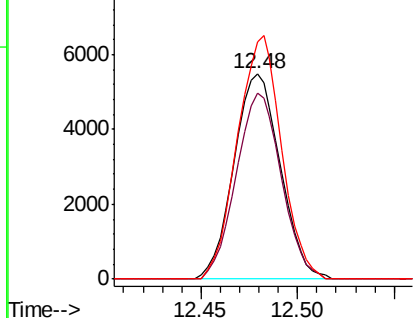


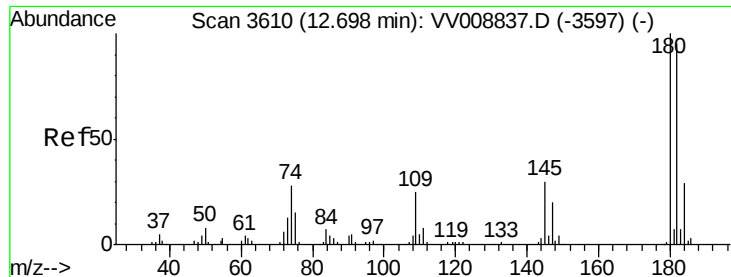
#66
 1,2-Dibromo-3-chloropropane
 Concen: 10.119 ug/L
 RT: 12.48 min Scan# 3542
 Delta R.T. 0.00 min
 Lab File: VV008838.D
 Acq: 05 Dec 2018 11:24

Tgt Ion: 75 Resp: 9143
 Ion Ratio Lower Upper
 75 100
 155 90.3 70.2 105.4
 157 115.5 83.4 125.2



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

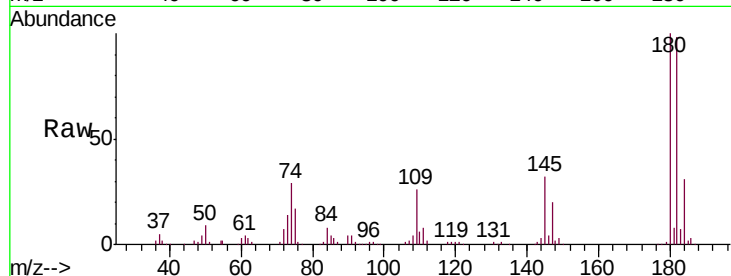




#67
 1,3,5-Trichlorobenzene
 Concen: 9.763 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV008838.D
 Acq: 05 Dec 2018 11:24

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01067

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	76.5	114.7
184	30.5	24.3	36.5
145	31.1	25.2	37.8



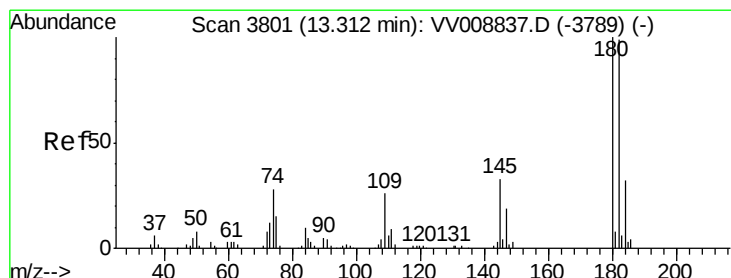
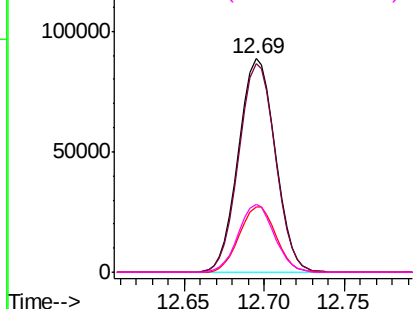
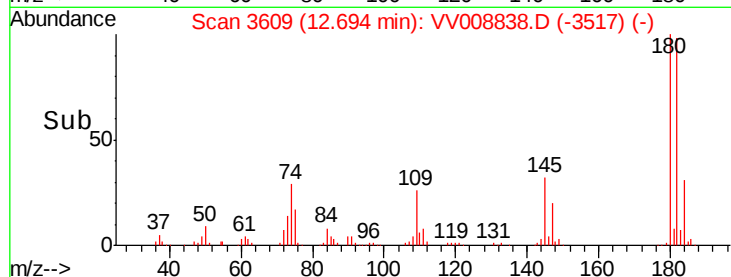
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

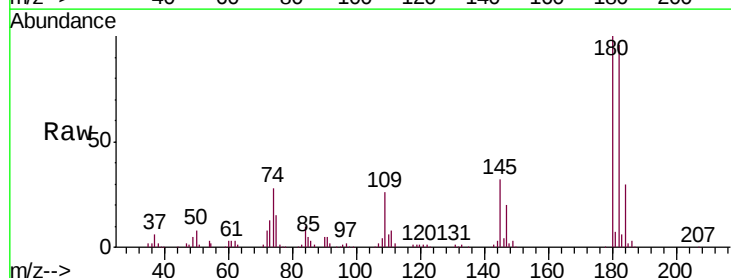
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 10.714 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV008838.D
 Acq: 05 Dec 2018 11:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.2	114.4
145	31.8	26.2	39.4

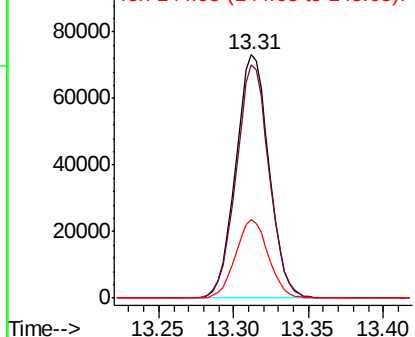
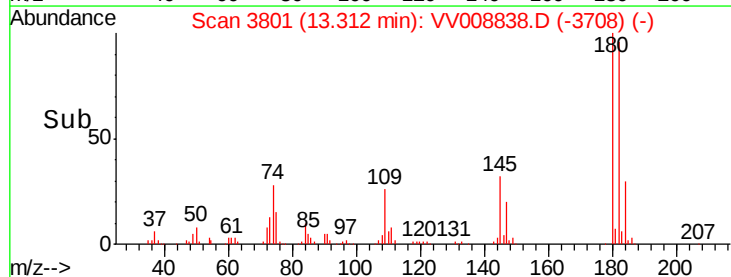


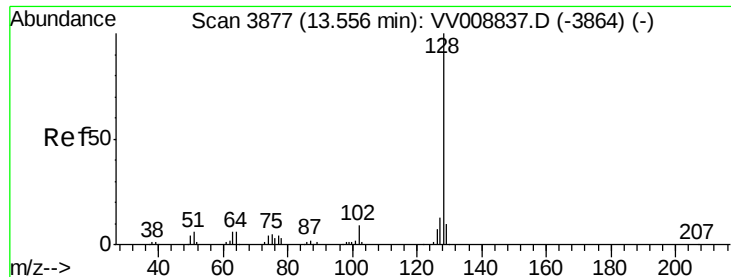
Abundance

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: 11.308 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. -0.00 min

Lab File: VV008838.D

Acq: 05 Dec 2018 11:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD01067

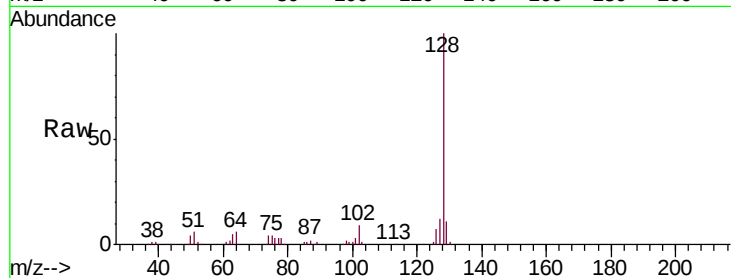
Tgt Ion:128 Resp: 174740

Ion Ratio Lower Upper

128 100

129 10.6 8.6 12.8

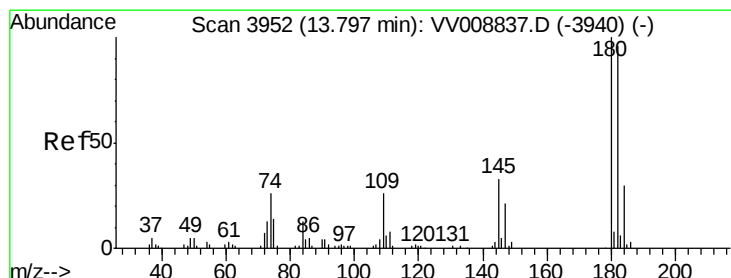
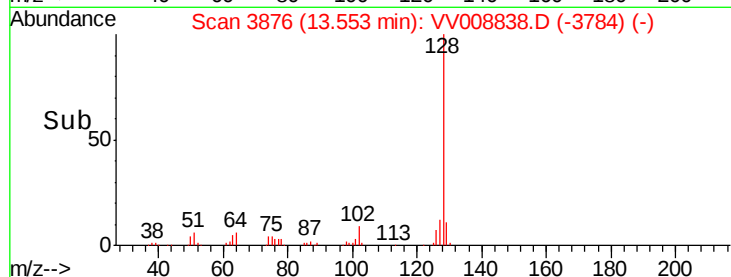
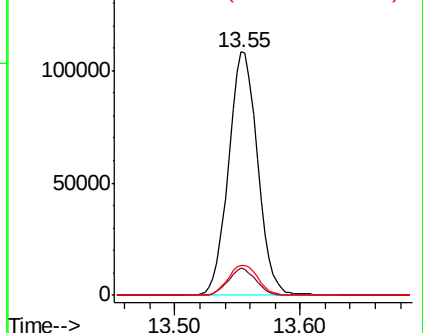
127 12.9 10.6 15.8



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: 10.464 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV008838.D

Acq: 05 Dec 2018 11:24

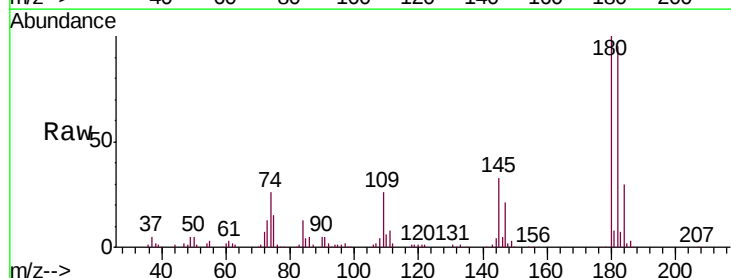
Tgt Ion:180 Resp: 103315

Ion Ratio Lower Upper

180 100

182 96.1 77.8 116.8

145 33.0 26.6 40.0



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

