

Data File : VV008227.D
Acq On : 10 Oct 2018 11:28
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFB85

Quant Time: Oct 11 01:58:01 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR100518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 10 04:51:19 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	101026	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	99311	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	52490	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	24156	3.90	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.00%
7) Chloroethane-d5	1.59	69	21195	4.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.00%
11) 1,1-Dichloroethene-d2	2.14	63	50709	4.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.60%
20) 2-Butanone-d5	3.96	46	76584	51.33	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.66%
24) Chloroform-d	4.41	84	61970	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
26) 1,2-Dichloroethane-d4	5.09	65	29204	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.40%
32) Benzene-d6	5.10	84	113000	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.20%
36) 1,2-Dichloropropane-d6	6.12	67	36211	4.50	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.00%
41) Toluene-d8	7.36	98	112695	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.40%
43) trans-1,3-Dichloropropene-	7.67	79	13200	4.71	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.20%
46) 2-Hexanone-d5	8.14	63	54558	48.85	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.70%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	26138	4.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.60%
64) 1,2-Dichlorobenzene-d4	11.68	152	44422	4.46	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	35921	5.244	ug/L 97
3) Chloromethane	1.26	50	30406	5.267	ug/L 98
5) Vinyl chloride	1.33	62	34004	5.290	ug/L 100
6) Bromomethane	1.54	94	19528	6.413	ug/L 96
8) Chloroethane	1.60	64	19955	4.646	ug/L 97
9) Trichlorofluoromethane	1.78	101	54506	4.950	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.15	101	33037	5.046	ug/L 98
12) 1,1-Dichloroethene	2.15	96	27592	5.042	ug/L 92
13) Acetone	2.21	43	49017	48.491	ug/L 98
14) Carbon disulfide	2.32	76	64473	4.629	ug/L 99
15) Methyl Acetate	2.47	43	11509	4.796	ug/L 93
16) Methylene chloride	2.54	84	31599	4.759	ug/L 99
17) Methyl tert-butyl Ether	2.81	73	68577	4.999	ug/L 98
18) trans-1,2-Dichloroethene	2.79	96	30445	5.096	ug/L 97
19) 1,1-Dichloroethane	3.23	63	62020	5.453	ug/L 99
21) 2-Butanone	4.05	43	83100	50.960	ug/L 99
22) cis-1,2-Dichloroethene	3.97	96	36515	5.420	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	16457	5.379	ug/L	92
25) Chloroform	4.43	83	65676	5.366	ug/L	97
27) 1,2-Dichloroethane	5.19	62	36500	5.076	ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	55960	5.073	ug/L	98
30) Cyclohexane	4.73	56	44661	4.876	ug/L	99
31) Carbon tetrachloride	4.87	117	50444	5.090	ug/L	99
33) Benzene	5.15	78	133872	5.342	ug/L	100
34) Trichloroethene	5.96	95	37195	5.086	ug/L	98
35) Methylcyclohexane	6.18	83	49976	4.892	ug/L	99
37) 1,2-Dichloropropane	6.23	63	36104	5.340	ug/L	100
38) Bromodichloromethane	6.56	83	42558	5.145	ug/L	94
39) cis-1,3-Dichloropropene	7.07	75	46054	5.311	ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	199744	52.126	ug/L	100
42) Toluene	7.43	91	147714	5.549	ug/L	98
44) trans-1,3-Dichloropropene	7.70	75	38227	5.422	ug/L	97
45) 1,1,2-Trichloroethane	7.89	97	25319	5.339	ug/L	98
47) Tetrachloroethene	8.02	164	34153	5.229	ug/L	97
48) 2-Hexanone	8.19	43	145615	55.975	ug/L	96
49) Dibromochloromethane	8.29	129	30374	5.134	ug/L	98
50) 1,2-Dibromoethane	8.40	107	23331	5.418	ug/L	100
51) Chlorobenzene	8.93	112	100602	5.403	ug/L	99
52) Ethylbenzene	9.06	91	158034	5.439	ug/L	98
53) m,p-xylene	9.18	106	61456	5.579	ug/L	98
54) o-xylene	9.59	106	58675	5.580	ug/L	100
55) Styrene	9.61	104	104219	5.819	ug/L	99
56) Isopropylbenzene	9.98	105	162338	5.612	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	27633	5.026	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	20630	5.226	ug/L	99
61) Bromoform	9.78	173	16778	5.191	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	84373	5.399	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	87610	5.500	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	80791	5.351	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	3759	4.767	ug/L	95
67) 1,3,5-Trichlorobenzene	12.70	180	72500	5.444	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	53761	5.412	ug/L	99
69) Naphthalene	13.56	128	59273	4.673	ug/L	98
70) 1,2,3-Trichlorobenzene	13.80	180	49699	5.261	ug/L	98

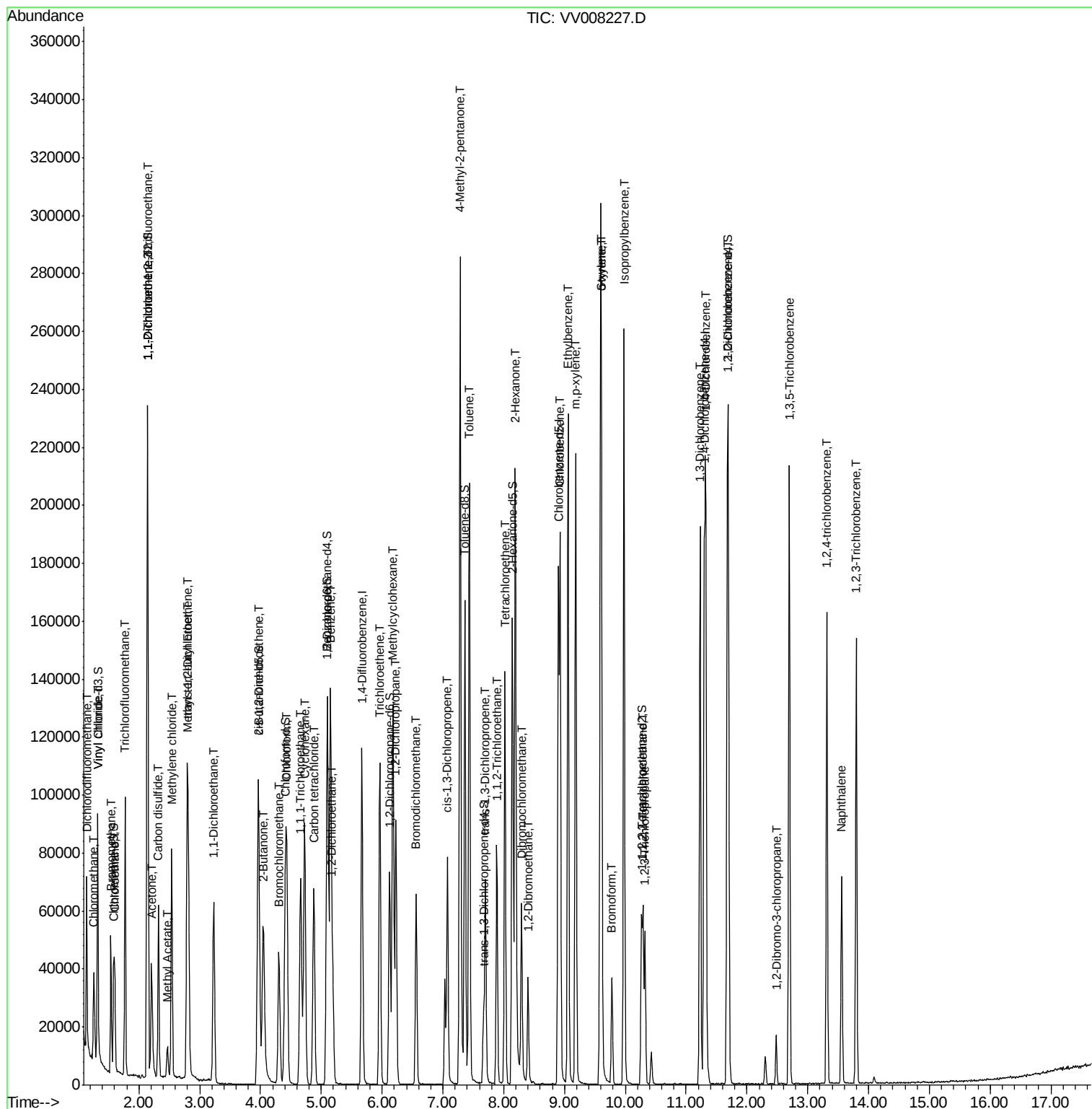
(#) = qualifier out of range (m) = manual integration (+) = signals summed

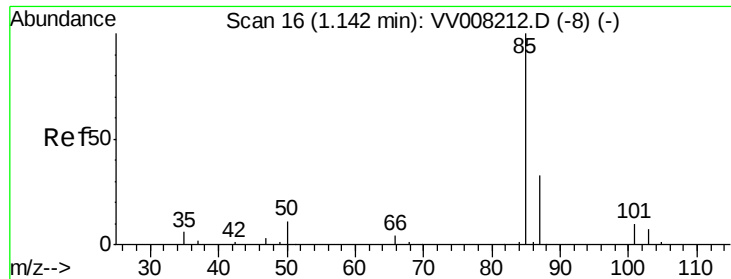
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```
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ClientSampleId :
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#2

Dichlorodifluoromethane

Concen: 5.244 ug/L

RT: 1.14 min Scan# 16

Delta R.T. -0.00 min

Lab File: VV008227.D

Acq: 10 Oct 2018 11:28

Instrument :

MSVOA_V

ClientSampleId :

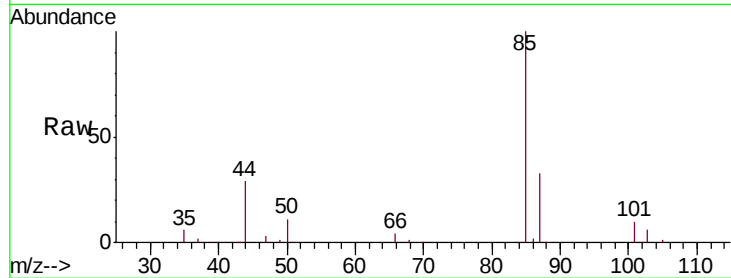
BFB85

Tgt Ion: 85 Resp: 35921

Ion Ratio Lower Upper

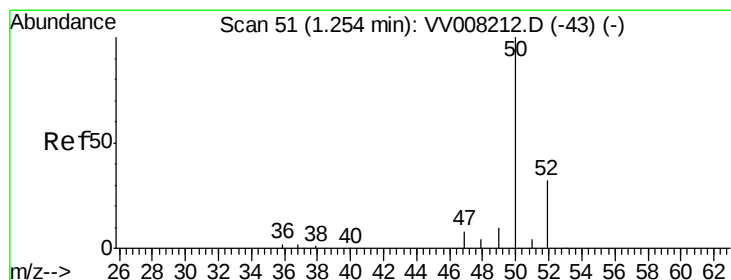
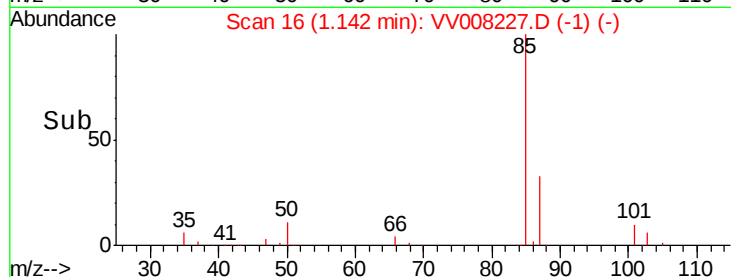
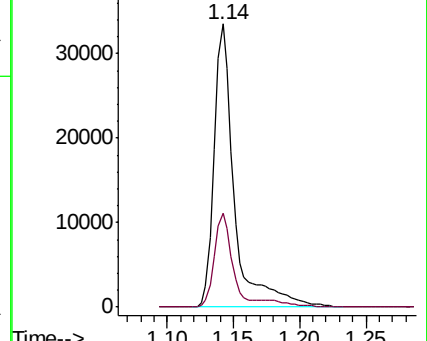
85 100

87 29.1 24.6 37.0



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 5.267 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.00 min

Lab File: VV008227.D

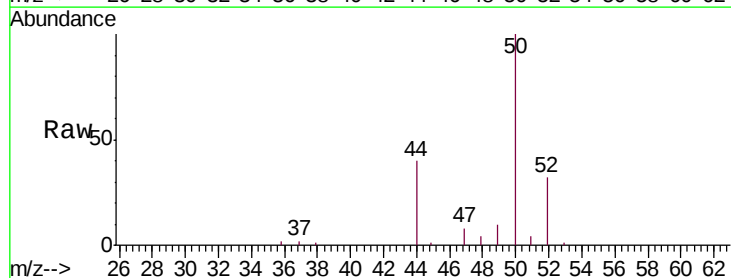
Acq: 10 Oct 2018 11:28

Tgt Ion: 50 Resp: 30406

Ion Ratio Lower Upper

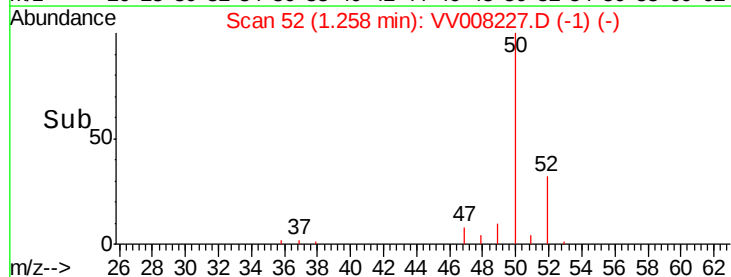
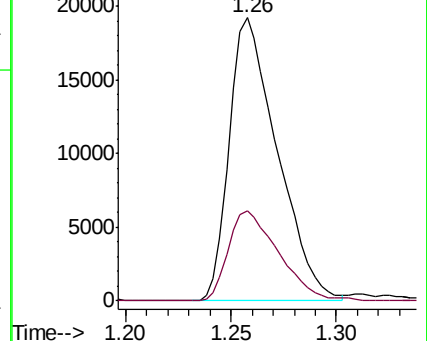
50 100

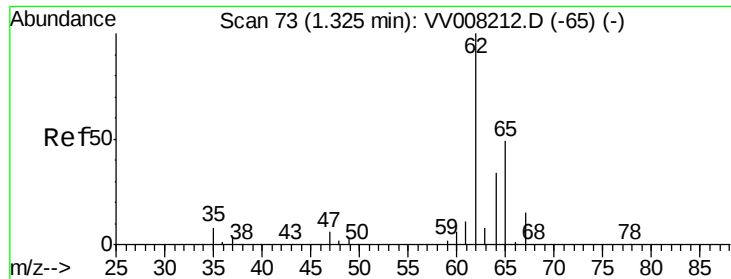
52 31.7 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 5.290 ug/L

RT: 1.33 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV008227.D

Acq: 10 Oct 2018 11:28

Instrument :

MSVOA_V

ClientSampleId :

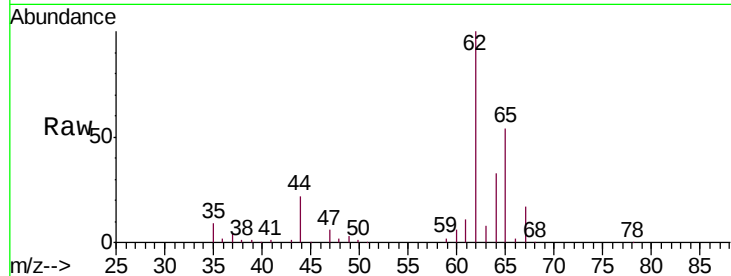
BFB85

Tgt Ion: 62 Resp: 34004

Ion Ratio Lower Upper

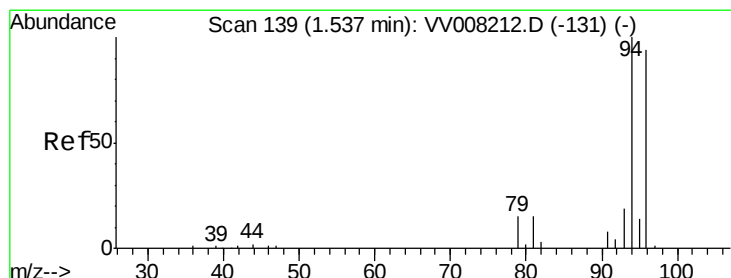
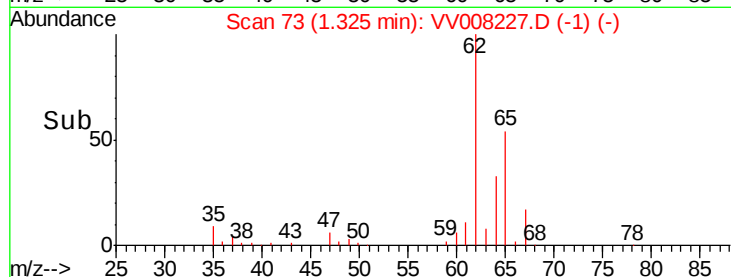
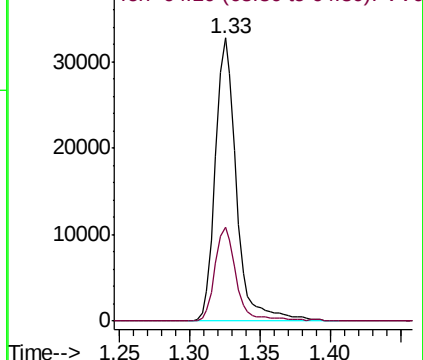
62 100

64 33.3 23.4 43.4



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 6.413 ug/L

RT: 1.54 min Scan# 140

Delta R.T. 0.00 min

Lab File: VV008227.D

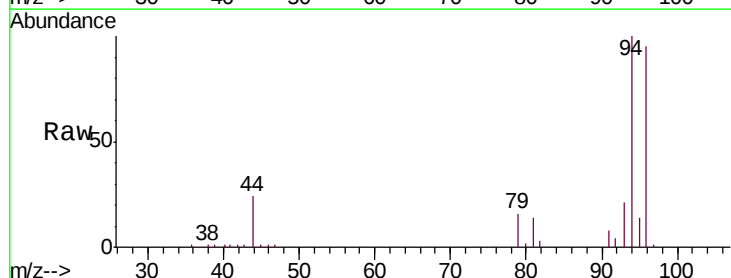
Acq: 10 Oct 2018 11:28

Tgt Ion: 94 Resp: 19528

Ion Ratio Lower Upper

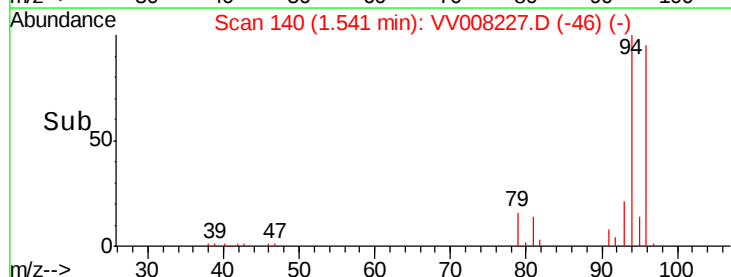
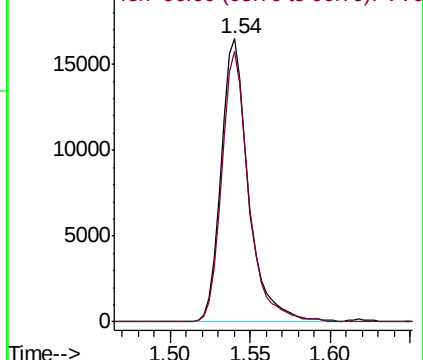
94 100

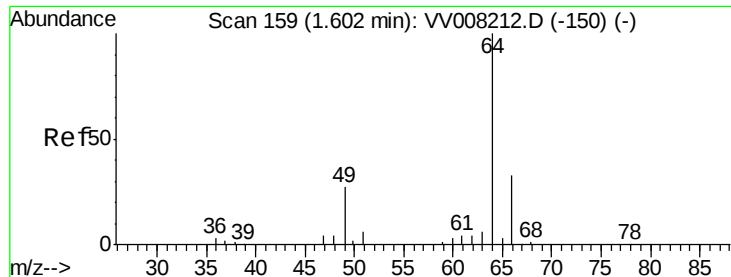
96 95.5 64.4 119.6



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 4.646 ug/L

RT: 1.60 min Scan# 160

Delta R.T. 0.00 min

Lab File: VV008227.D

Acq: 10 Oct 2018 11:28

Instrument :

MSVOA_V

ClientSampleId :

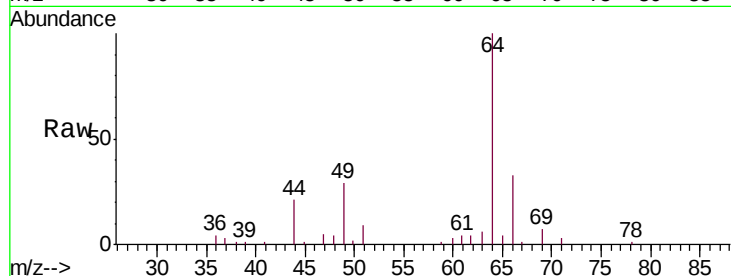
BFB85

Tgt Ion: 64 Resp: 19955

Ion Ratio Lower Upper

64 100

66 32.6 24.1 44.8



Abundance Ion 64.10 (63.80 to 64.80): VV008227.D (-150) (-)

Ion 66.05 (65.75 to 66.75): VV008227.D (-150) (-)

20000

15000

10000

5000

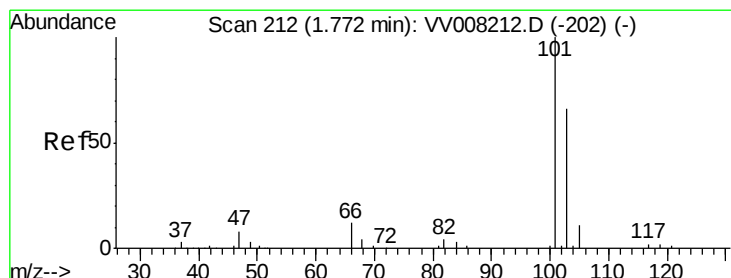
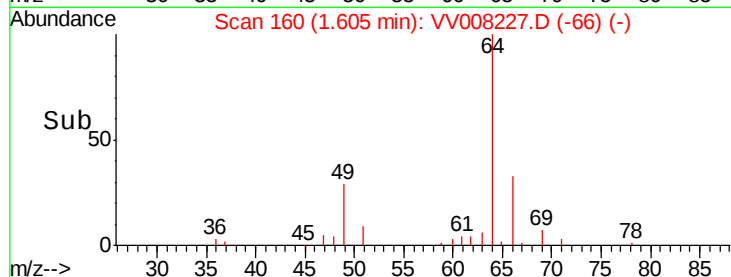
0

1.55

1.60

1.65

Time-->



#9

Trichlorofluoromethane

Concen: 4.950 ug/L

RT: 1.78 min Scan# 213

Delta R.T. 0.00 min

Lab File: VV008227.D

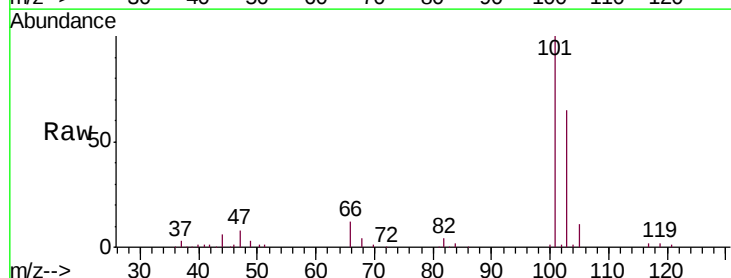
Acq: 10 Oct 2018 11:28

Tgt Ion: 101 Resp: 54506

Ion Ratio Lower Upper

101 100

103 66.7 53.1 79.7



Abundance Ion 101.00 (100.70 to 101.70): VV008227.D (-119) (-)

Ion 103.00 (102.70 to 103.70): VV008227.D (-119) (-)

50000

40000

30000

20000

10000

0

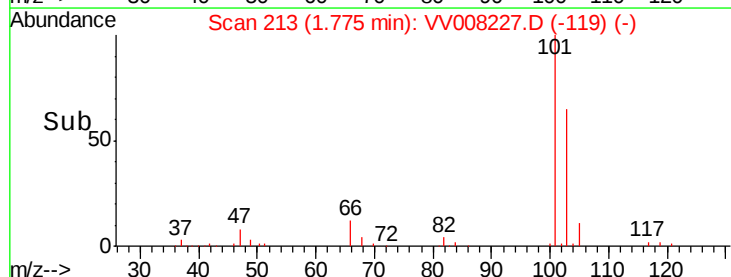
1.70

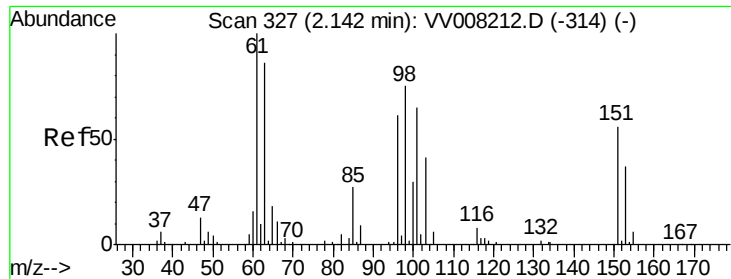
1.75

1.80

1.85

Time-->





#10

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

Concen: 5.046 ug/L

RT: 2.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV008227.D

Acq: 10 Oct 2018 11:28

Instrument :

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ClientSampleId :

BFB85

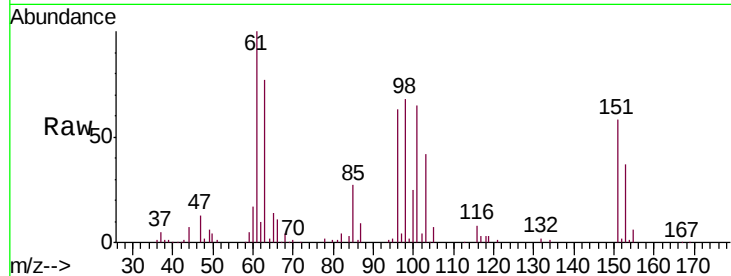
Tgt Ion:101 Resp: 33037

Ion Ratio Lower Upper

101 100

85 42.4 35.4 53.0

151 90.0 70.7 106.1

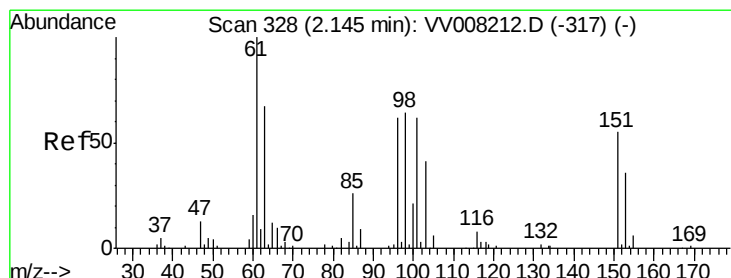
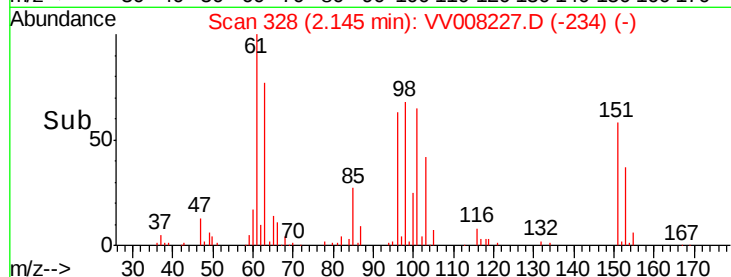


Abundance Ion 101.00 (100.70 to 101.70): VV008227.D (-314) (-)

Ion 85.00 (84.70 to 85.70): VV008227.D (-314) (-)

Ion 151.00 (150.70 to 151.70): VV008227.D (-314) (-)

Time-->



#12

1,1-Dichloroethene

Concen: 5.042 ug/L

RT: 2.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VV008227.D

Acq: 10 Oct 2018 11:28

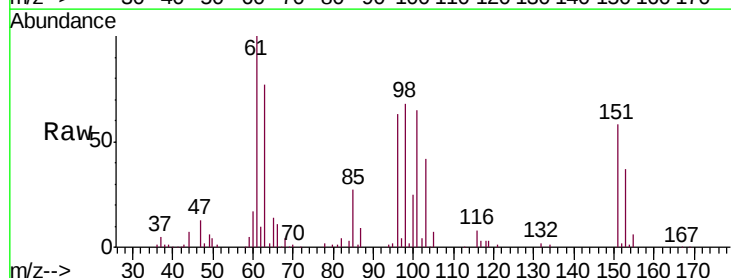
Tgt Ion: 96 Resp: 27592

Ion Ratio Lower Upper

96 100

61 159.3 114.7 213.1

63 122.6 96.9 179.9

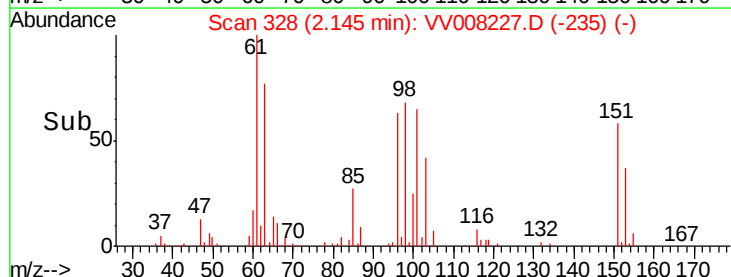


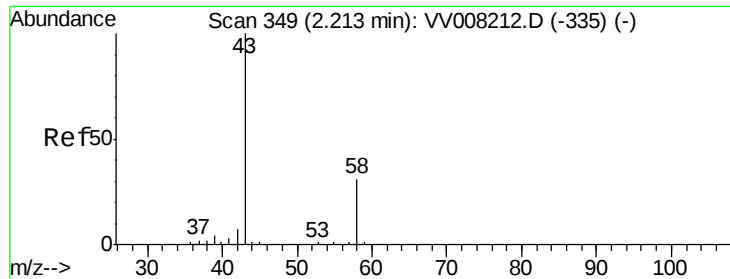
Abundance Ion 96.00 (95.70 to 96.70): VV008227.D (-317) (-)

Ion 61.05 (60.75 to 61.75): VV008227.D (-317) (-)

Ion 63.00 (62.70 to 63.70): VV008227.D (-317) (-)

Time-->





#13

Acetone

Concen: 48.491 ug/L

RT: 2.21 min Scan# 348

Delta R.T. -0.00 min

Lab File: VV008227.D

Acq: 10 Oct 2018 11:28

Instrument :

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ClientSampleId :

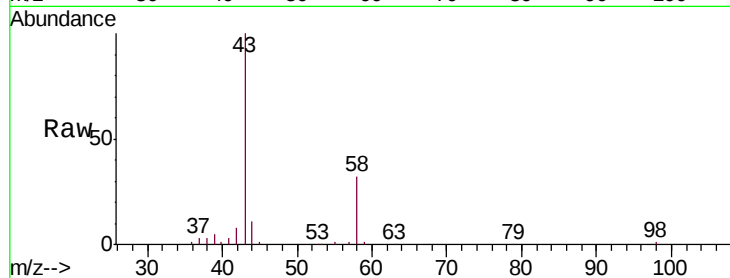
BFB85

Tgt Ion: 43 Resp: 49017

Ion Ratio Lower Upper

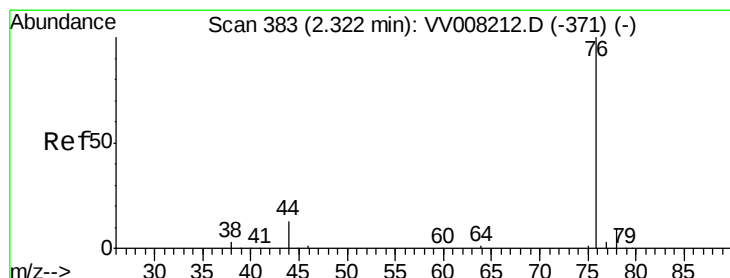
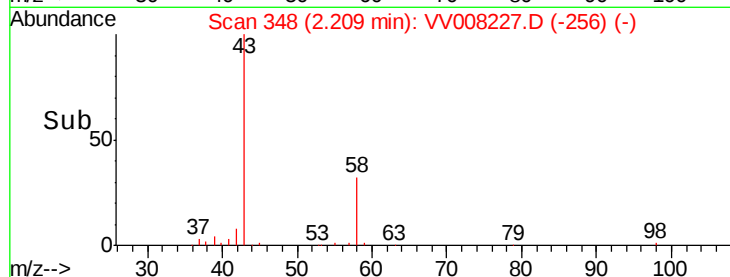
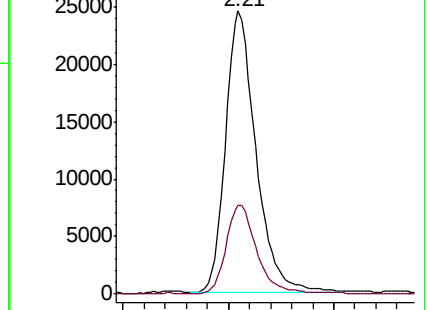
43 100

58 32.0 0.0 62.2



Abundance Ion 43.05 (42.75 to 43.75): VV008227.D (-256) (-)

Ion 58.05 (57.75 to 58.75): VV008227.D (-256) (-)



#14

Carbon disulfide

Concen: 4.629 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.00 min

Lab File: VV008227.D

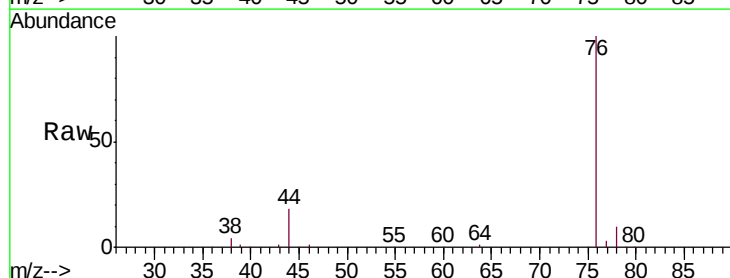
Acq: 10 Oct 2018 11:28

Tgt Ion: 76 Resp: 64473

Ion Ratio Lower Upper

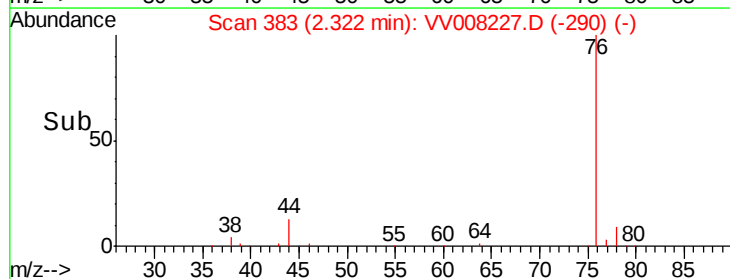
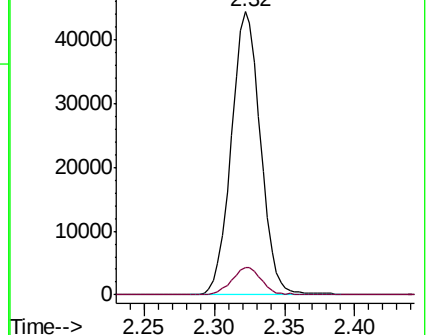
76 100

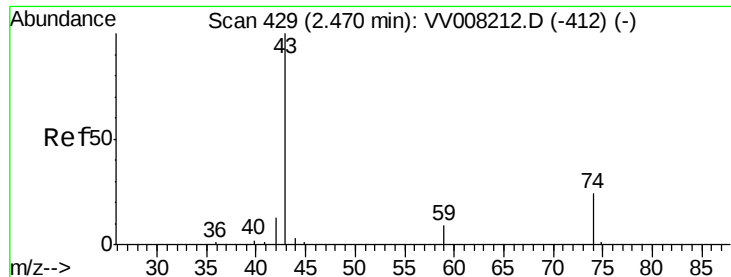
78 9.6 8.0 12.0



Abundance Ion 76.05 (75.75 to 76.75): VV008227.D (-290) (-)

Ion 78.00 (77.70 to 78.70): VV008227.D (-290) (-)

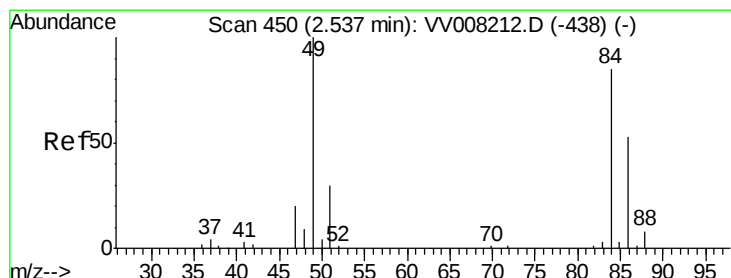
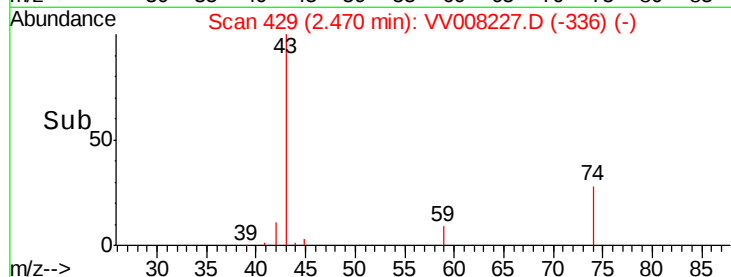
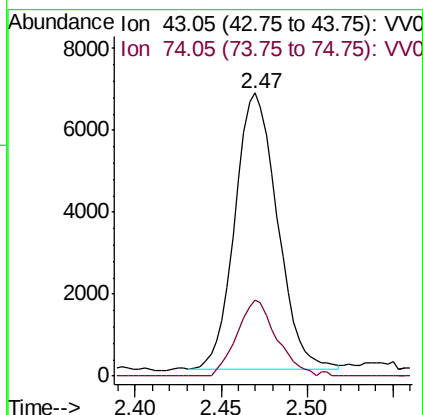
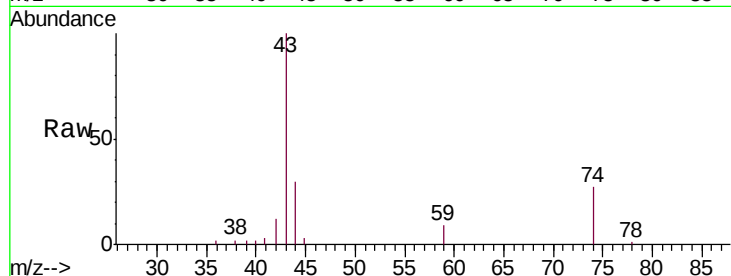




#15
Methyl Acetate
Concen: 4.796 ug/L
RT: 2.47 min Scan# 429
Delta R.T. -0.00 min
Lab File: VV008227.D
Acq: 10 Oct 2018 11:28

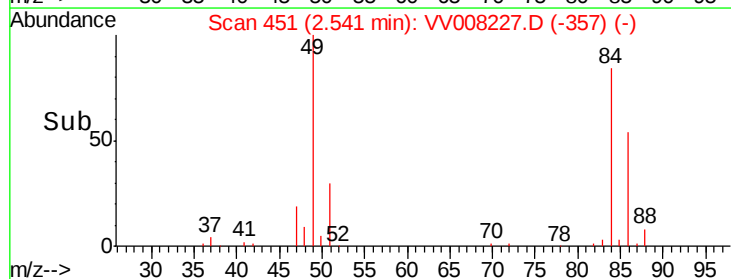
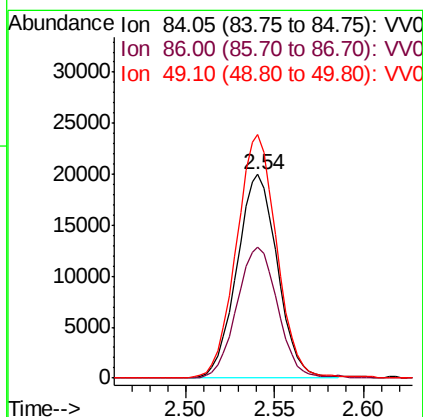
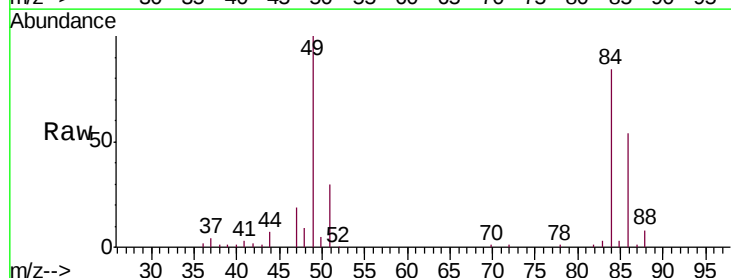
Instrument :
MSVOA_V
ClientSampleId :
BFB85

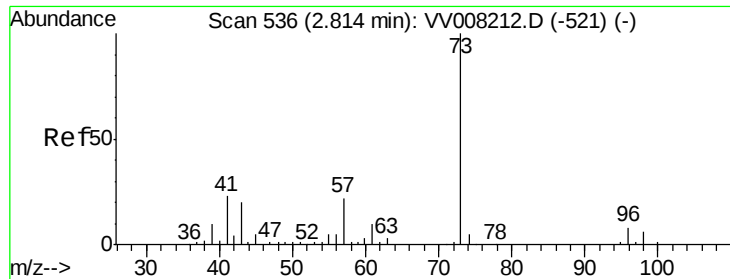
Tgt Ion: 43 Resp: 11509
Ion Ratio Lower Upper
43 100
74 25.7 18.1 27.1



#16
Methylene chloride
Concen: 4.759 ug/L
RT: 2.54 min Scan# 451
Delta R.T. 0.00 min
Lab File: VV008227.D
Acq: 10 Oct 2018 11:28

Tgt Ion: 84 Resp: 31599
Ion Ratio Lower Upper
84 100
86 64.1 45.3 84.1
49 119.6 83.0 154.1

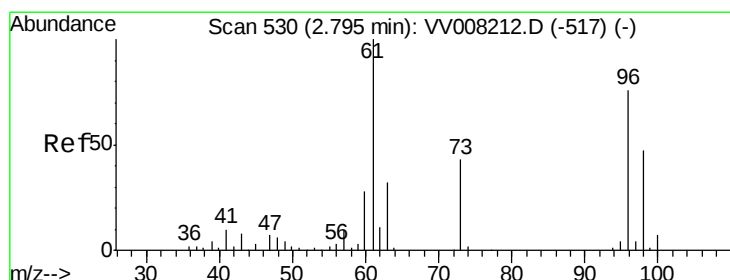
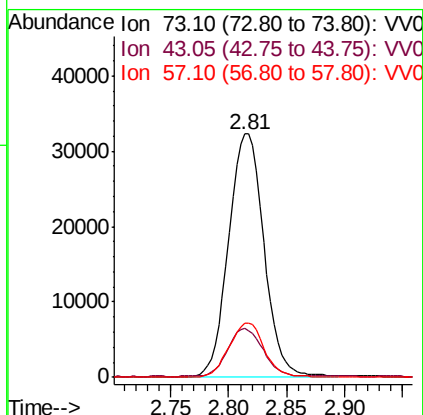
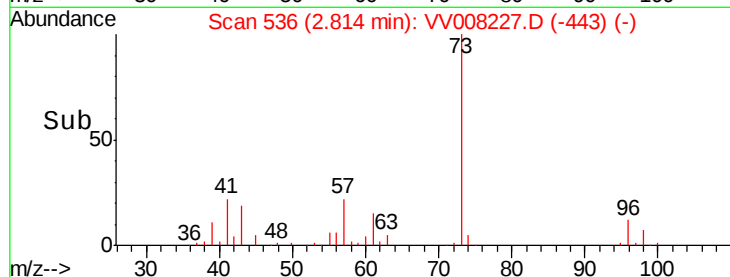
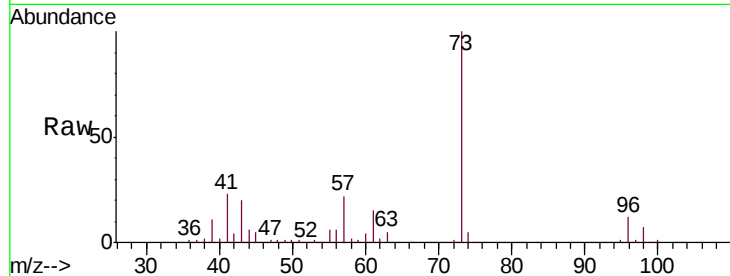




#17
Methyl tert-butyl Ether
Concen: 4.999 ug/L
RT: 2.81 min Scan# 536
Delta R.T. -0.00 min
Lab File: VV008227.D
Acq: 10 Oct 2018 11:28

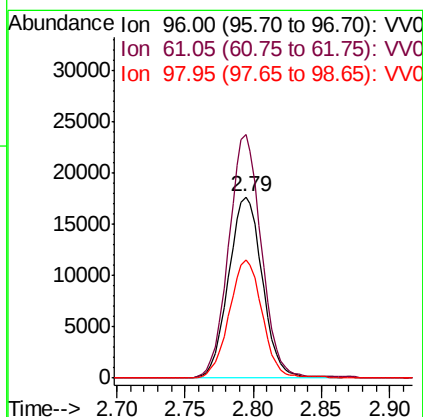
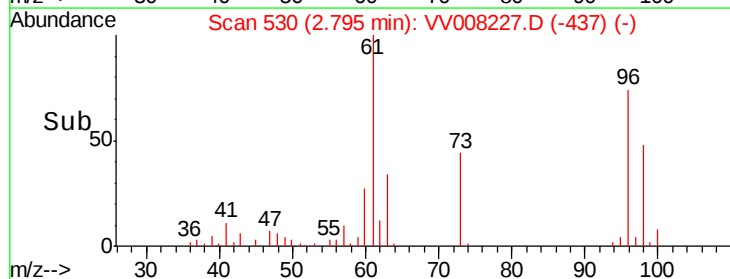
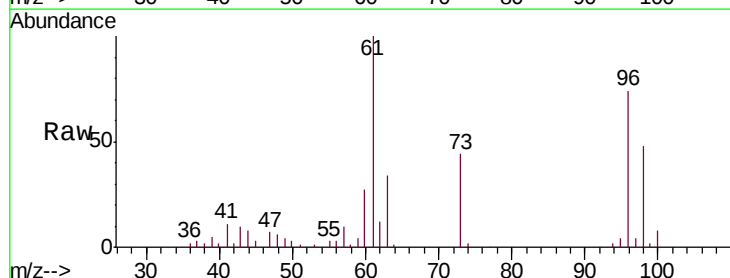
Instrument :
MSVOA_V
ClientSampleId :
BFB85

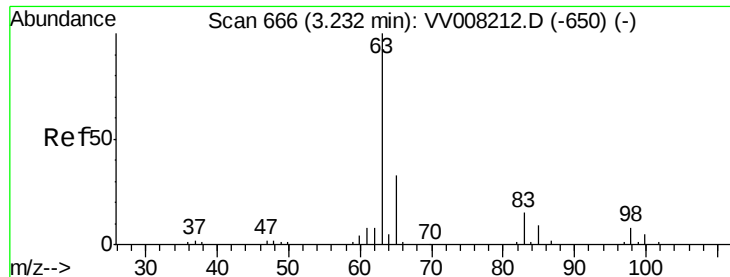
Tgt Ion: 73 Resp: 68577
Ion Ratio Lower Upper
73 100
43 19.8 17.0 25.4
57 22.2 17.3 25.9



#18
trans-1,2-Dichloroethene
Concen: 5.096 ug/L
RT: 2.79 min Scan# 530
Delta R.T. -0.00 min
Lab File: VV008227.D
Acq: 10 Oct 2018 11:28

Tgt Ion: 96 Resp: 30445
Ion Ratio Lower Upper
96 100
61 134.5 91.6 170.2
98 65.1 44.4 82.5

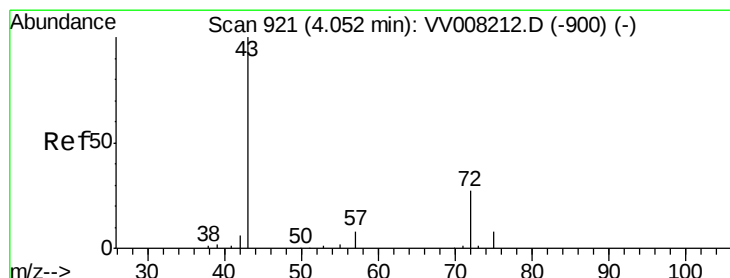
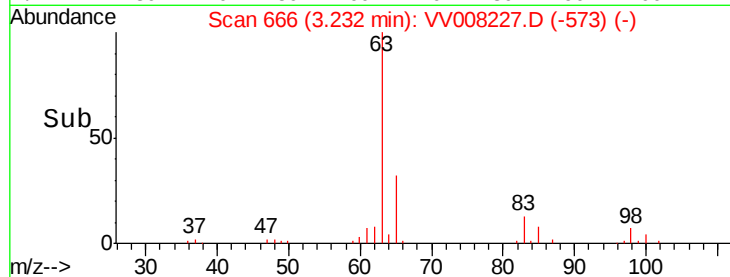
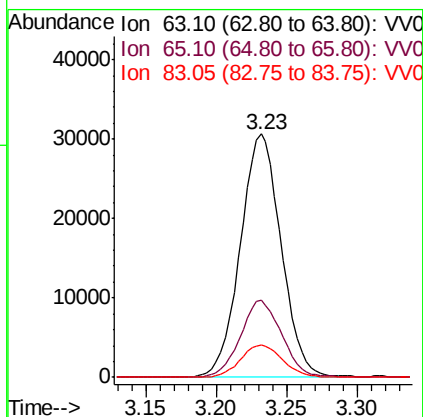
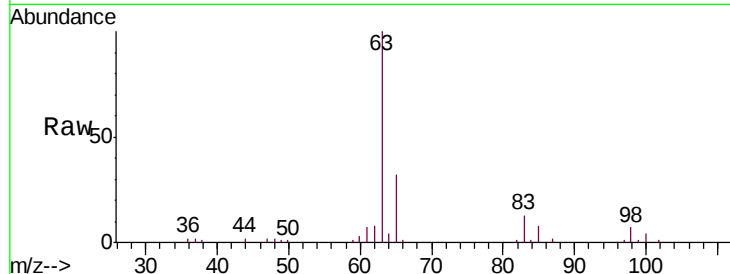




#19
 1,1-Dichloroethane
 Concen: 5.453 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VV008227.D
 Acq: 10 Oct 2018 11:28

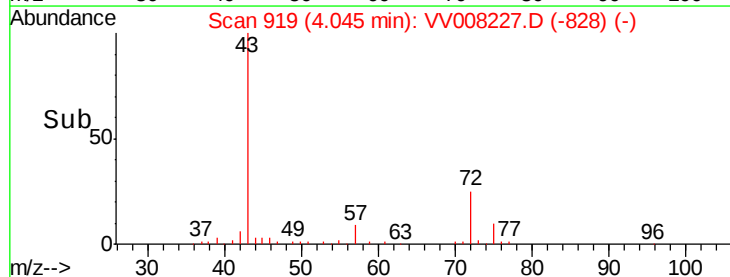
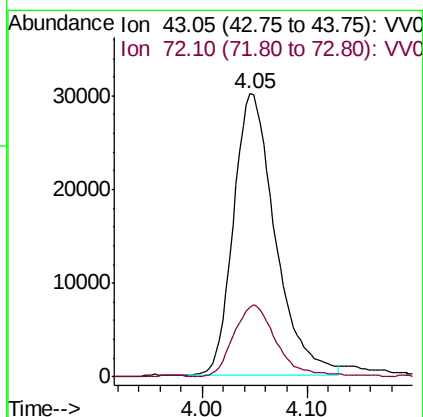
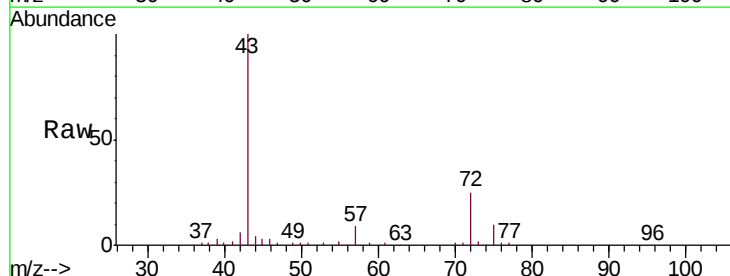
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB85

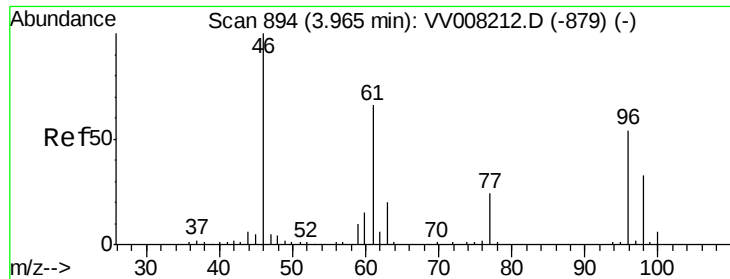
Tgt Ion: 63 Resp: 62020
 Ion Ratio Lower Upper
 63 100
 65 31.6 22.4 41.6
 83 13.2 9.6 17.8



#21
 2-Butanone
 Concen: 50.960 ug/L
 RT: 4.05 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VV008227.D
 Acq: 10 Oct 2018 11:28

Tgt Ion: 43 Resp: 83100
 Ion Ratio Lower Upper
 43 100
 72 26.2 12.9 38.6



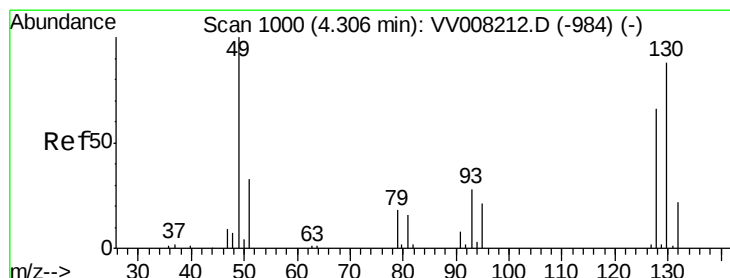
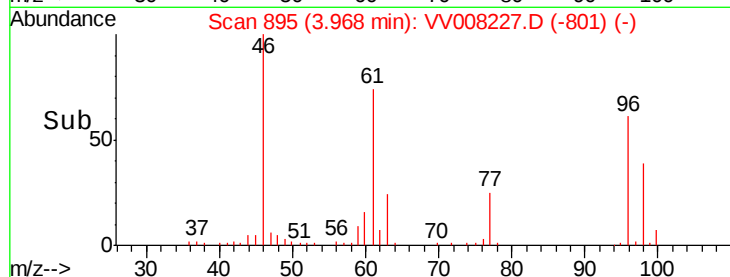
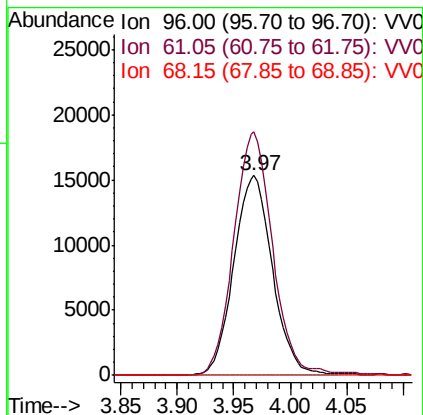
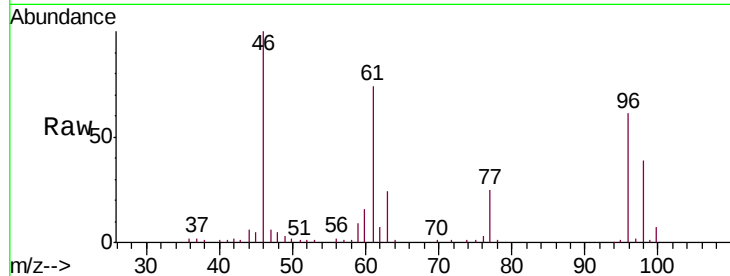


#22

cis-1,2-Dichloroethene
Concen: 5.420 ug/L
RT: 3.97 min Scan# 895
Delta R.T. 0.00 min
Lab File: VV008227.D
Acq: 10 Oct 2018 11:28

Instrument :
MSVOA_V
ClientSampled :
BFB85

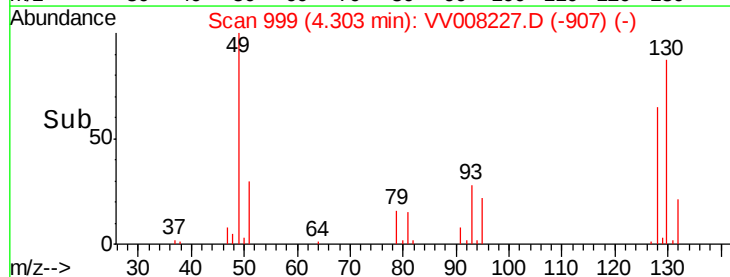
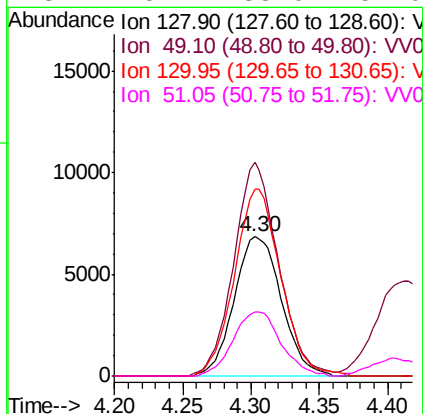
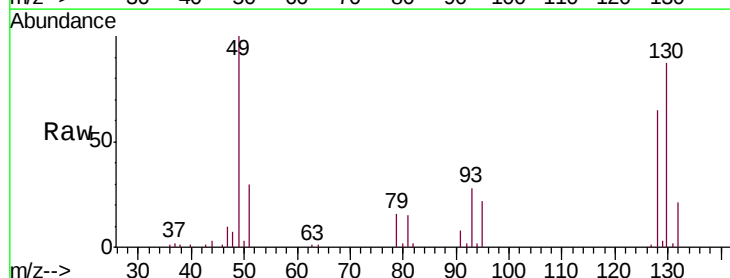
Tgt Ion: 96 Resp: 36515
Ion Ratio Lower Upper
96 100
61 121.9 85.1 158.1
68 0.0 0.0 0.0

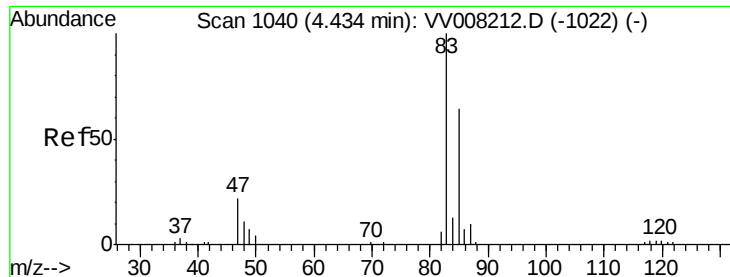


#23

Bromochloromethane
Concen: 5.379 ug/L
RT: 4.30 min Scan# 999
Delta R.T. -0.00 min
Lab File: VV008227.D
Acq: 10 Oct 2018 11:28

Tgt Ion: 128 Resp: 16457
Ion Ratio Lower Upper
128 100
49 153.3 99.8 185.3
130 133.9 85.5 158.7
51 46.4 38.0 57.0

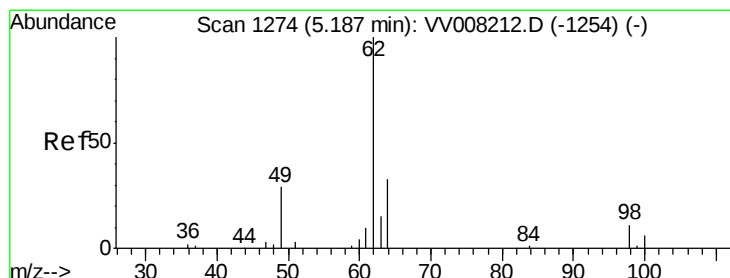
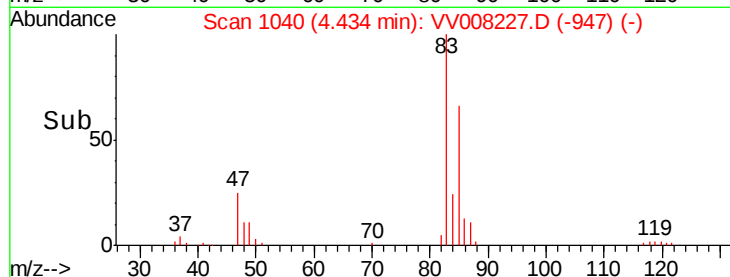
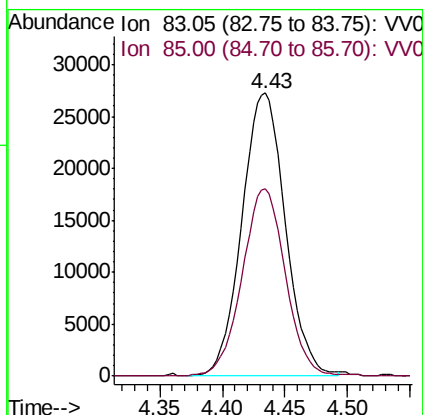
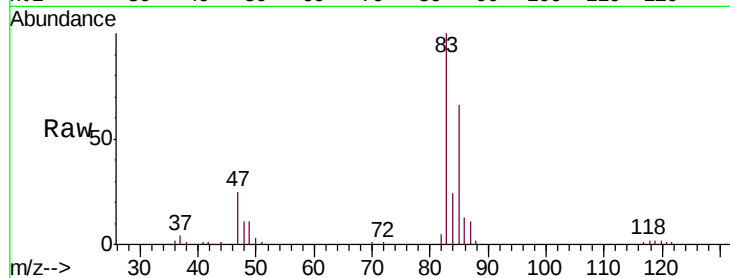




#25
 Chloroform
 Concen: 5.366 ug/L
 RT: 4.43 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: VV008227.D
 Acq: 10 Oct 2018 11:28

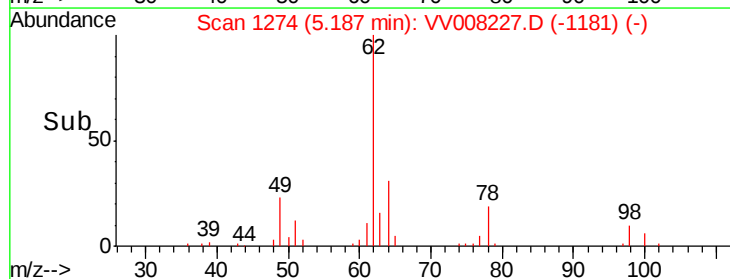
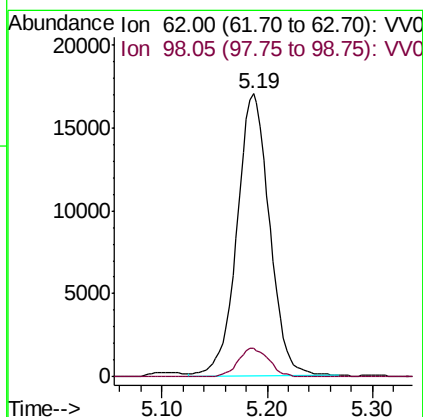
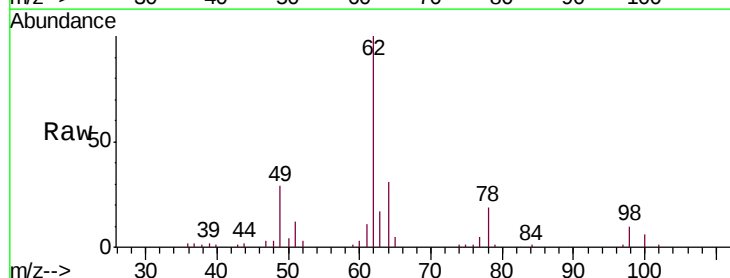
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB85

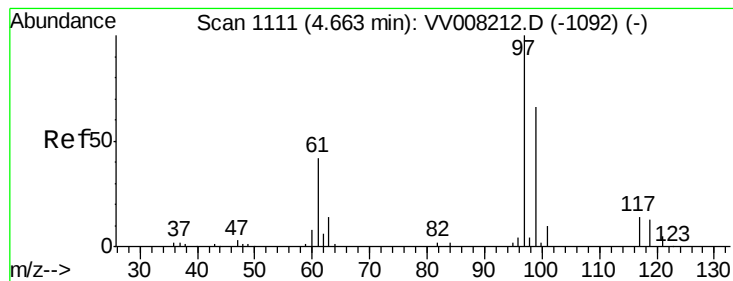
Tgt Ion: 83 Resp: 65676
 Ion Ratio Lower Upper
 83 100
 85 66.0 44.6 82.8



#27
 1,2-Dichloroethane
 Concen: 5.076 ug/L
 RT: 5.19 min Scan# 1274
 Delta R.T. -0.00 min
 Lab File: VV008227.D
 Acq: 10 Oct 2018 11:28

Tgt Ion: 62 Resp: 36500
 Ion Ratio Lower Upper
 62 100
 98 9.9 7.3 10.9





#29

1,1,1-Trichloroethane

Concen: 5.073 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VV008227.D

Acq: 10 Oct 2018 11:28

Instrument :

MSVOA_V

ClientSampled :

BFB85

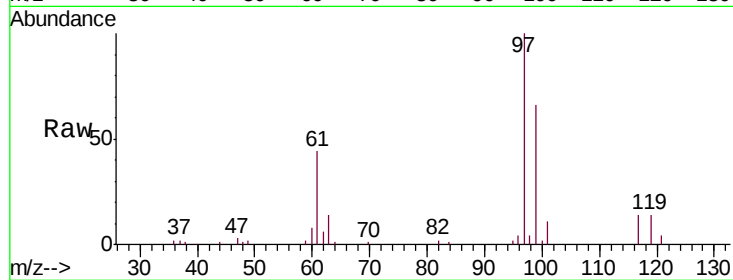
Tgt Ion: 97 Resp: 55960

Ion Ratio Lower Upper

97 100

99 66.0 51.0 76.4

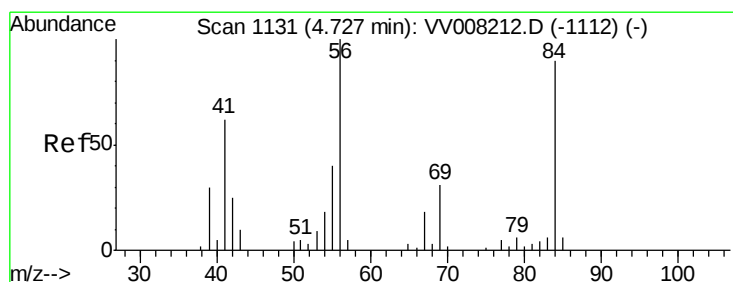
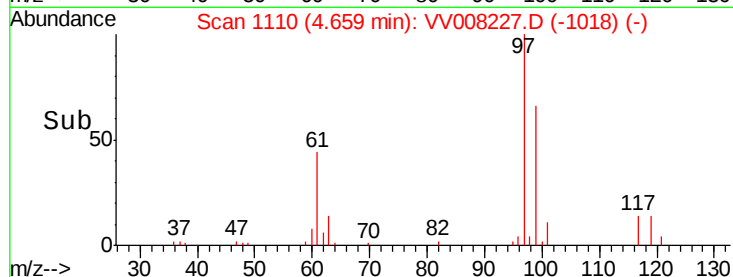
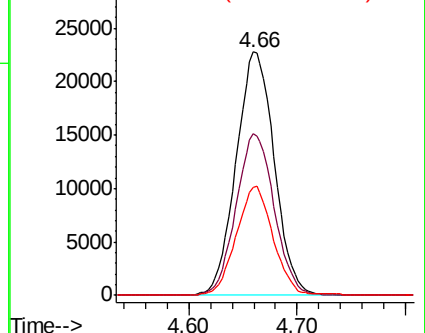
61 43.2 34.0 51.0



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 4.876 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VV008227.D

Acq: 10 Oct 2018 11:28

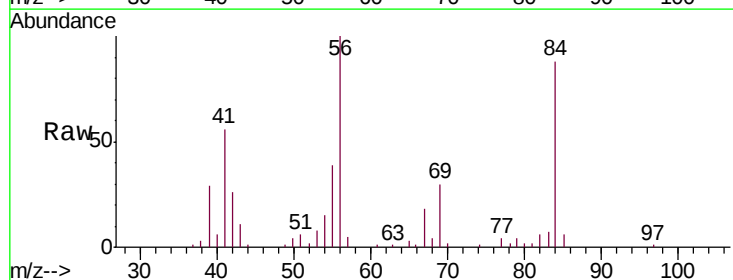
Tgt Ion: 56 Resp: 44661

Ion Ratio Lower Upper

56 100

69 30.0 24.6 36.8

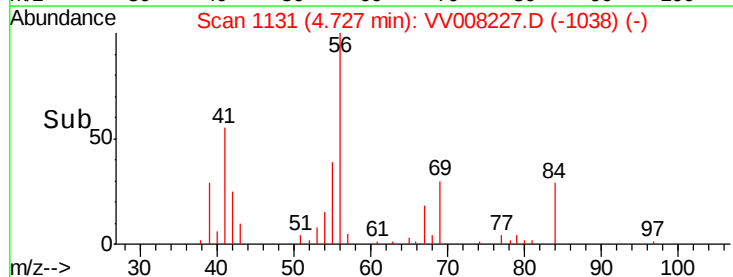
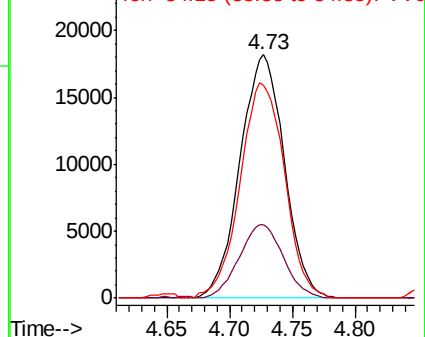
84 88.9 70.7 106.1

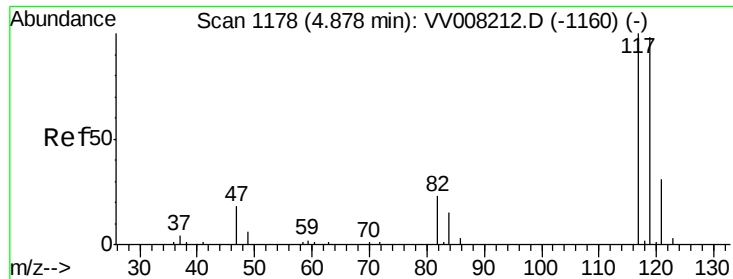


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 5.090 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV008227.D

Acq: 10 Oct 2018 11:28

Instrument :

MSVOA_V

ClientSampleId :

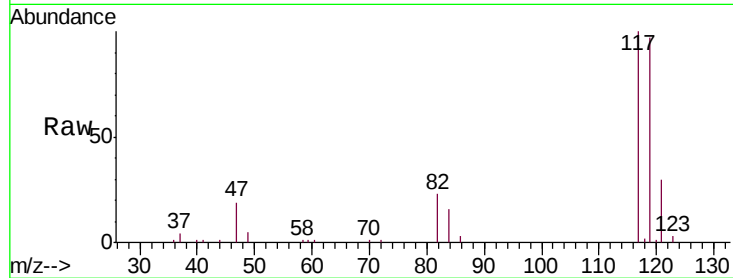
BFB85

Tgt Ion:117 Resp: 50444

Ion Ratio Lower Upper

117 100

119 96.6 76.3 114.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.87

25000

20000

15000

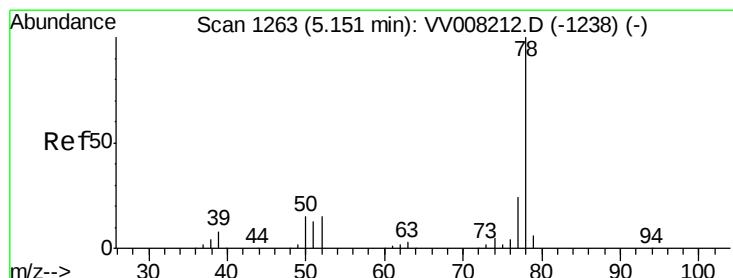
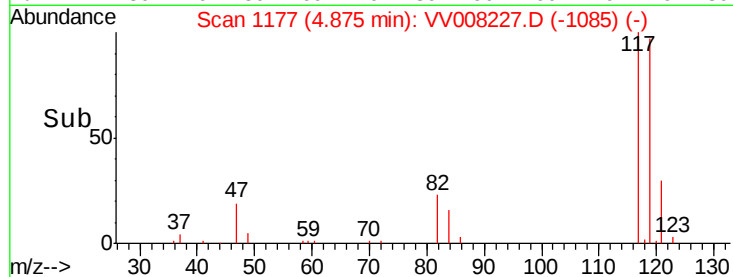
10000

5000

0

Time-->

4.80 4.85 4.90 4.95



#33

Benzene

Concen: 5.342 ug/L

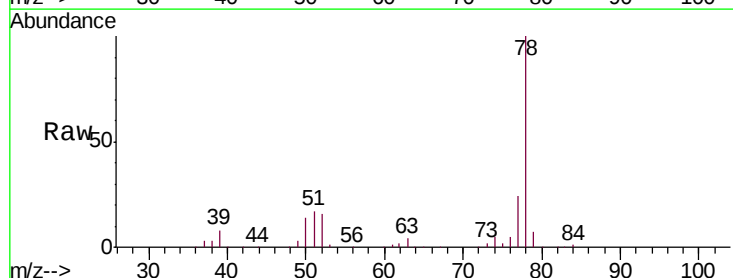
RT: 5.15 min Scan# 1263

Delta R.T. -0.00 min

Lab File: VV008227.D

Acq: 10 Oct 2018 11:28

Tgt Ion: 78 Resp: 133872



Abundance Ion 78.10 (77.80 to 78.80): VV0

5.15

60000

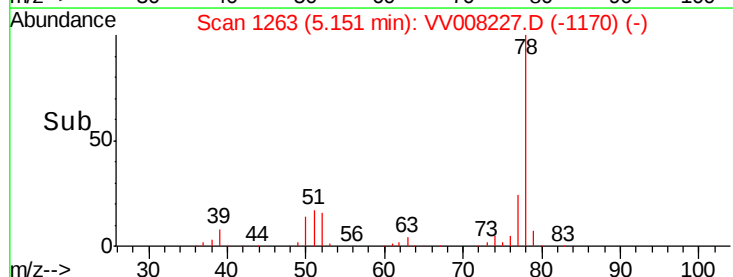
40000

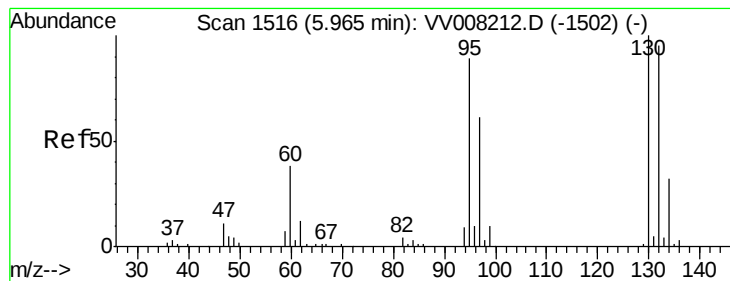
20000

0

Time-->

5.00 5.10 5.20 5.30





#34

Trichloroethene

Concen: 5.086 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. -0.00 min

Lab File: VV008227.D

Acq: 10 Oct 2018 11:28

Instrument :

MSVOA_V

ClientSampleId :

BFB85

Tgt Ion: 95 Resp: 37195

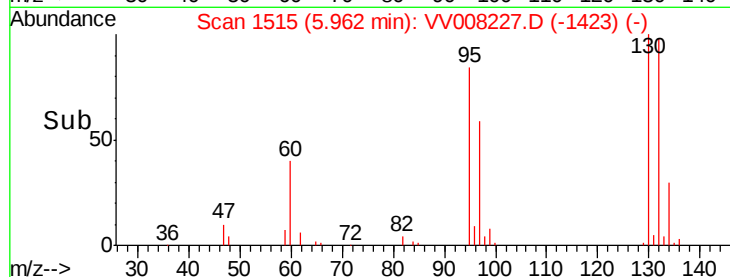
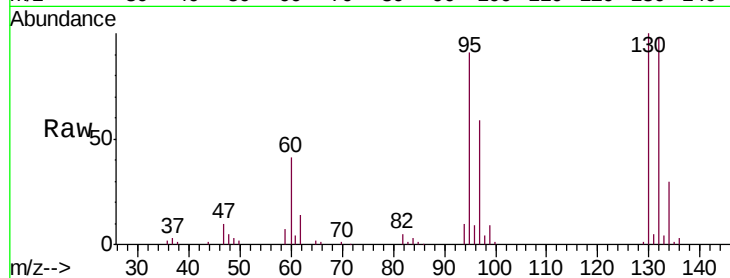
Ion Ratio Lower Upper

95 100

97 65.4 44.9 83.5

132 108.3 73.6 136.6

130 110.1 76.2 141.6

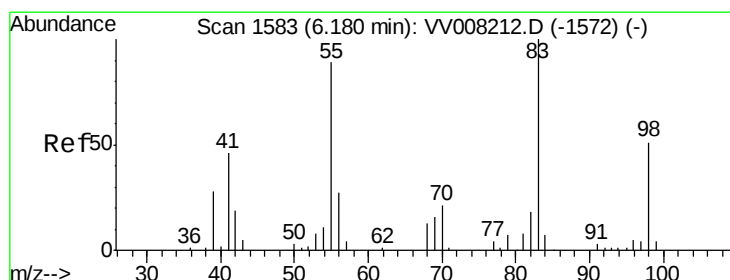
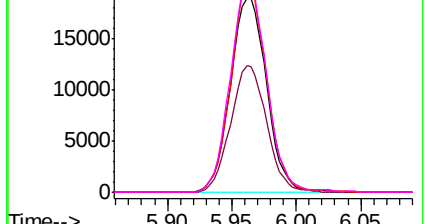


Abundance Ion 95.00 (94.70 to 95.70): VV008227.D (-1423) (-)

Ion 96.95 (96.65 to 97.65): VV008227.D (-1423) (-)

Ion 131.95 (131.65 to 132.65): VV008227.D (-1423) (-)

Ion 129.95 (129.65 to 130.65): VV008227.D (-1423) (-)



#35

Methylcyclohexane

Concen: 4.892 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VV008227.D

Acq: 10 Oct 2018 11:28

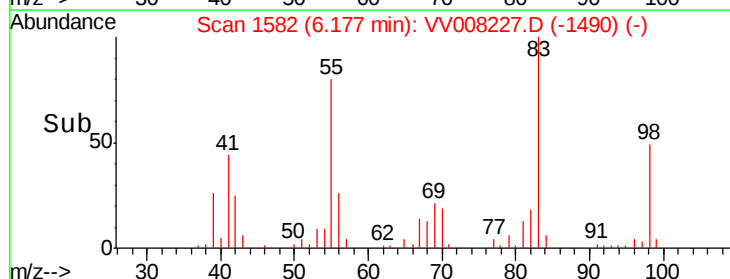
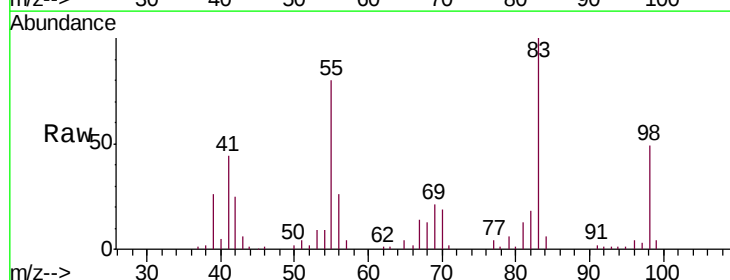
Tgt Ion: 83 Resp: 49976

Ion Ratio Lower Upper

83 100

55 78.5 63.6 95.4

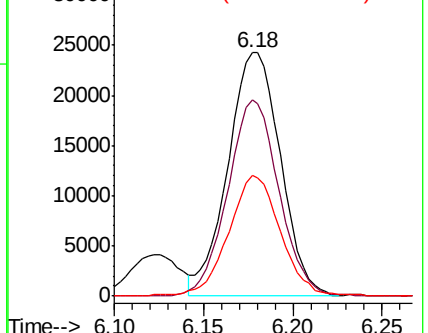
98 48.9 38.3 57.5

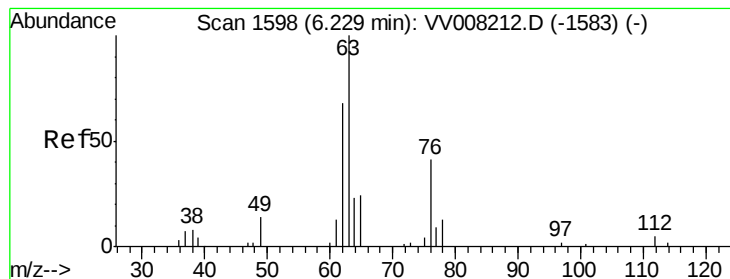


Abundance Ion 83.15 (82.85 to 83.85): VV008227.D (-1490) (-)

Ion 55.10 (54.80 to 55.80): VV008227.D (-1490) (-)

Ion 98.15 (97.85 to 98.85): VV008227.D (-1490) (-)





#37

1,2-Dichloropropane

Concen: 5.340 ug/L

RT: 6.23 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VV008227.D

Acq: 10 Oct 2018 11:28

Instrument :

MSVOA_V

ClientSampleId :

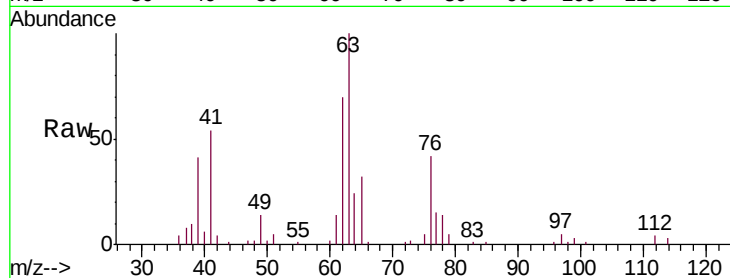
BFB85

Tgt Ion: 63 Resp: 36104

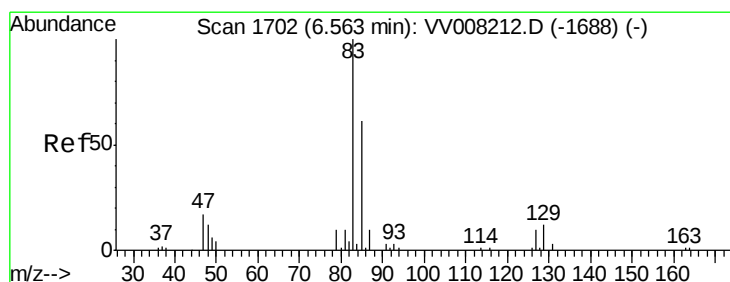
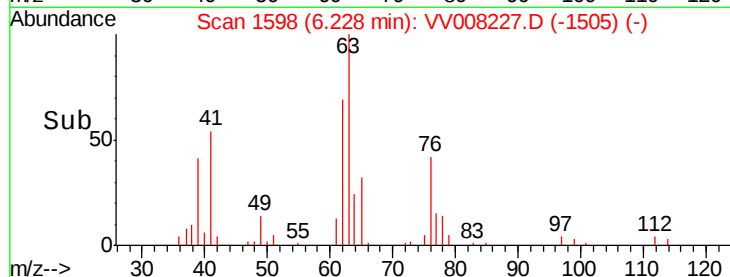
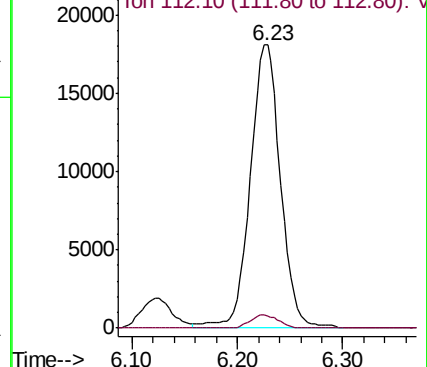
Ion Ratio Lower Upper

63 100

112 4.3 3.4 5.2



Abundance Ion 63.10 (62.80 to 63.80): VV008227.D (-1583) (-)



#38

Bromodichloromethane

Concen: 5.145 ug/L

RT: 6.56 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VV008227.D

Acq: 10 Oct 2018 11:28

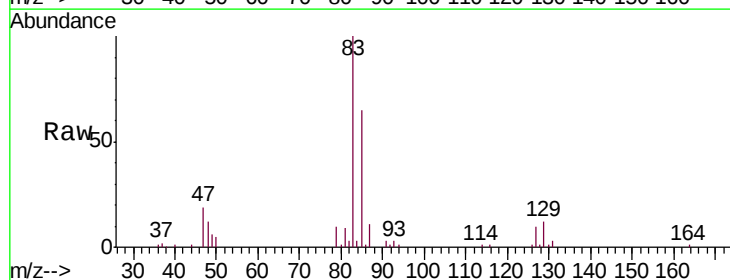
Tgt Ion: 83 Resp: 42558

Ion Ratio Lower Upper

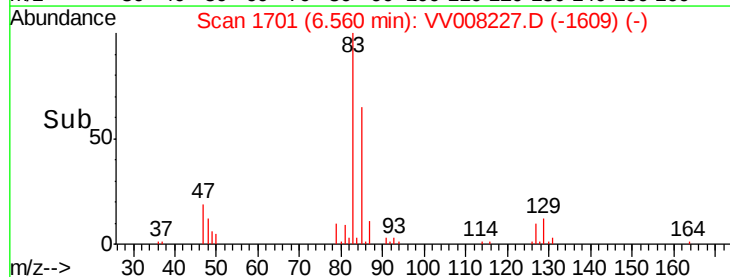
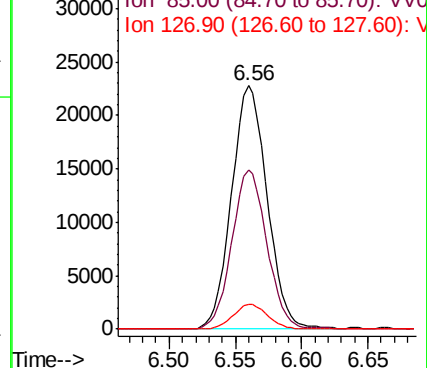
83 100

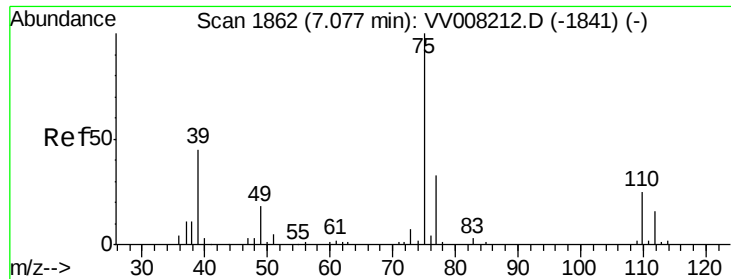
85 65.4 42.5 78.9

127 10.2 7.7 11.5



Abundance Ion 82.95 (82.65 to 83.65): VV008227.D (-1688) (-)

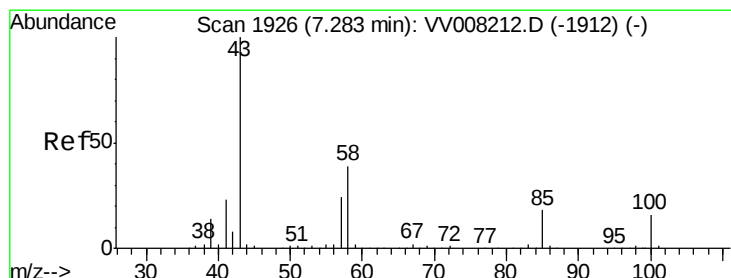
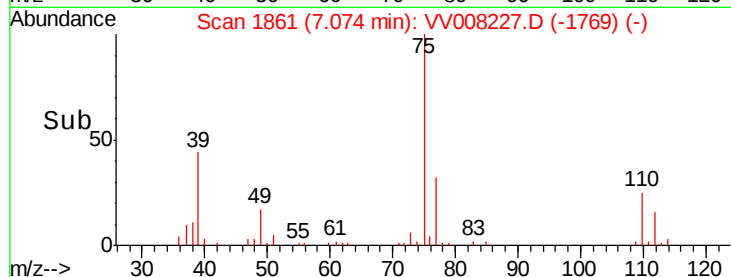
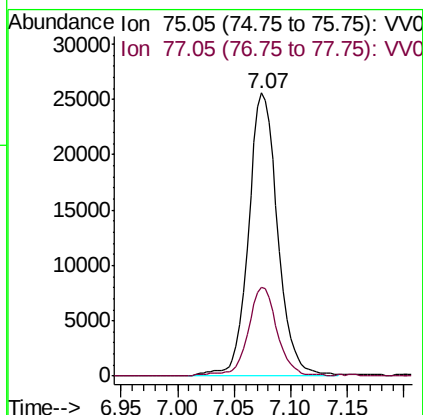
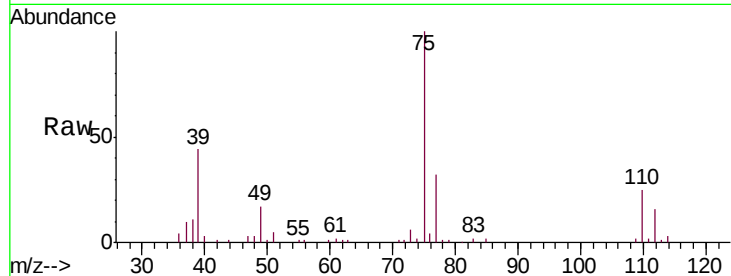




#39
 cis-1,3-Dichloropropene
 Concen: 5.311 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VV008227.D
 Acq: 10 Oct 2018 11:28

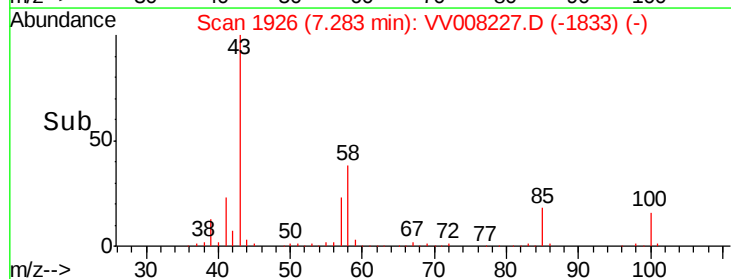
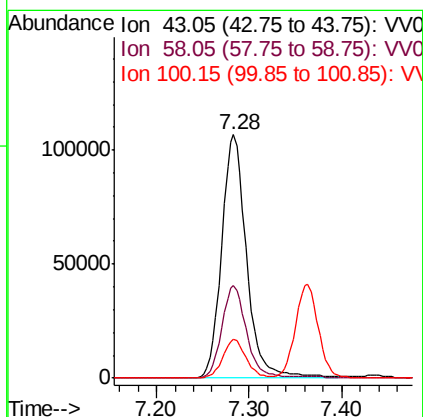
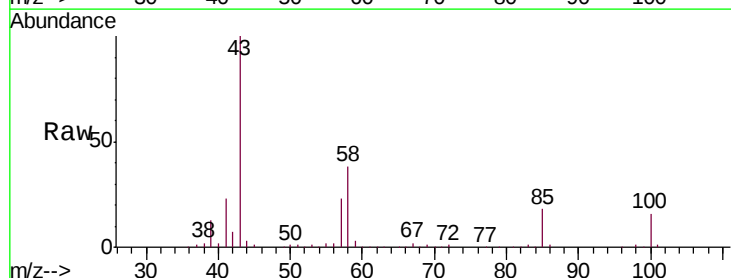
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB85

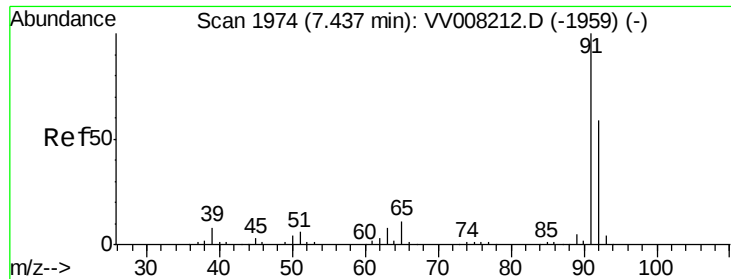
Tgt Ion: 75 Resp: 46054
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 52.126 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. -0.00 min
 Lab File: VV008227.D
 Acq: 10 Oct 2018 11:28

Tgt Ion: 43 Resp: 199744
 Ion Ratio Lower Upper
 43 100
 58 37.3 29.8 44.8
 100 14.7 11.6 17.4





#42

Toluene

Concen: 5.549 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VV008227.D

Acq: 10 Oct 2018 11:28

Instrument :

MSVOA_V

ClientSampleId :

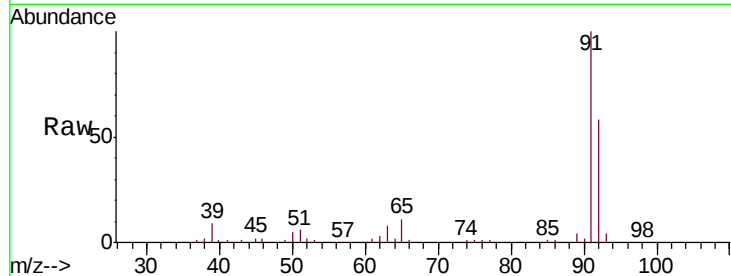
BFB85

Tgt Ion: 91 Resp: 147714

Ion Ratio Lower Upper

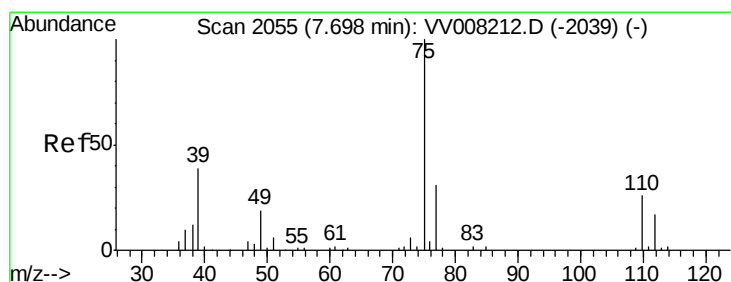
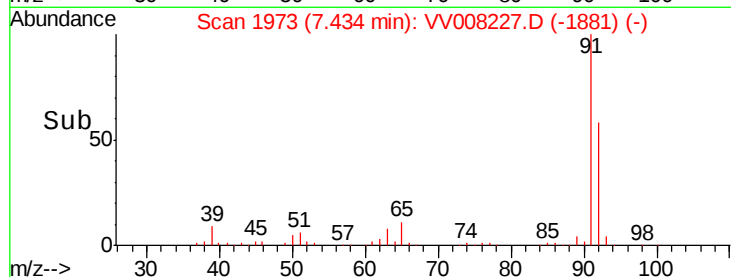
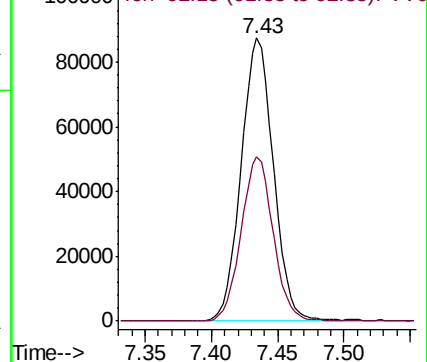
91 100

92 58.2 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VV008212.D (-1959) (-)

Ion 92.15 (91.85 to 92.85): VV008212.D (-1959) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.422 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. -0.00 min

Lab File: VV008227.D

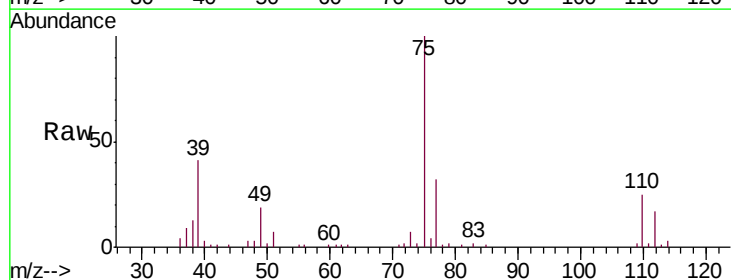
Acq: 10 Oct 2018 11:28

Tgt Ion: 75 Resp: 38227

Ion Ratio Lower Upper

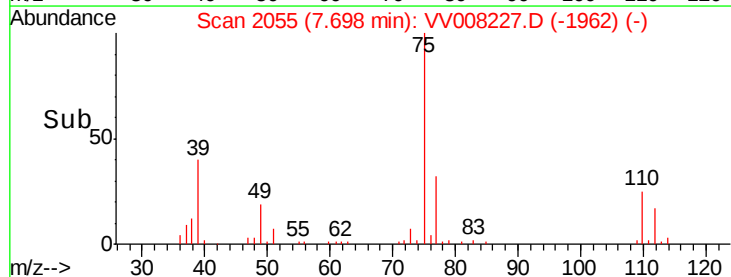
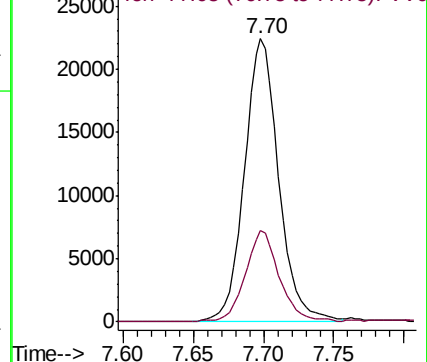
75 100

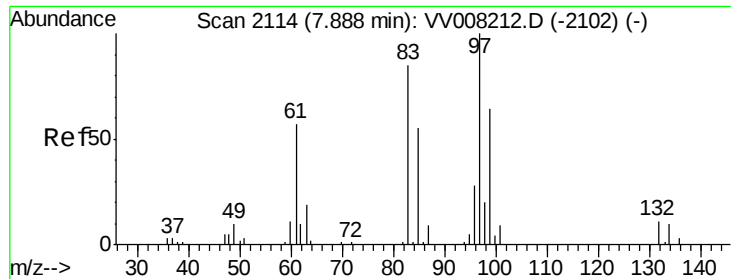
77 32.1 23.4 43.6



Abundance Ion 75.05 (74.75 to 75.75): VV008212.D (-2039) (-)

Ion 77.05 (76.75 to 77.75): VV008212.D (-2039) (-)

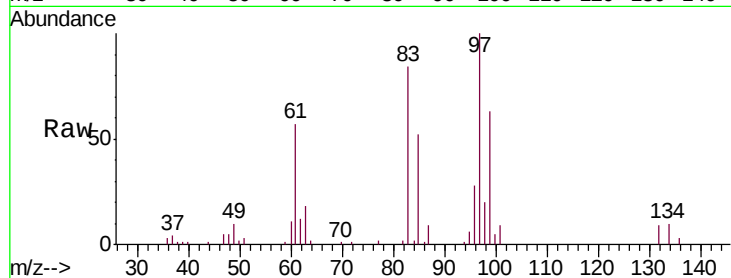




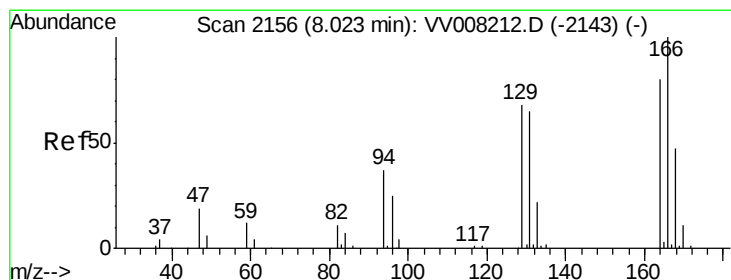
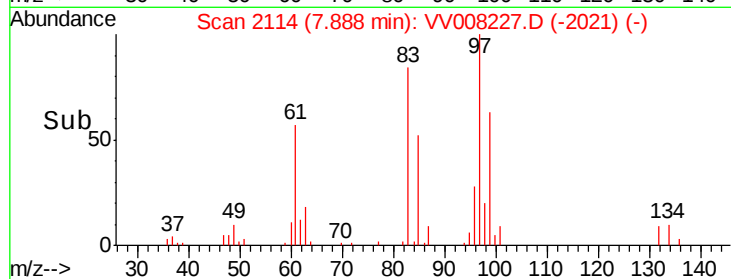
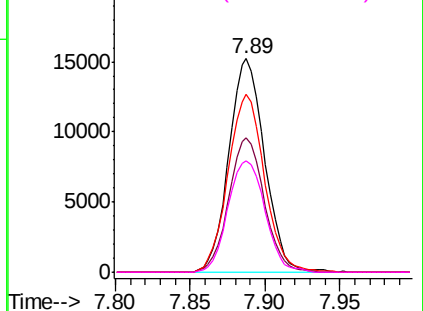
#45
 1,1,2-Trichloroethane
 Concen: 5.339 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VV008227.D
 Acq: 10 Oct 2018 11:28

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB85

Tgt Ion:	97	Resp:	25319
Ion	Ratio	Lower	Upper
97	100		
99	63.0	42.6	79.0
83	83.6	57.5	106.7
85	52.3	36.5	67.7

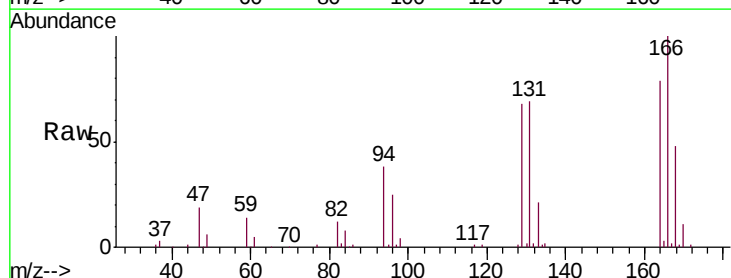


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

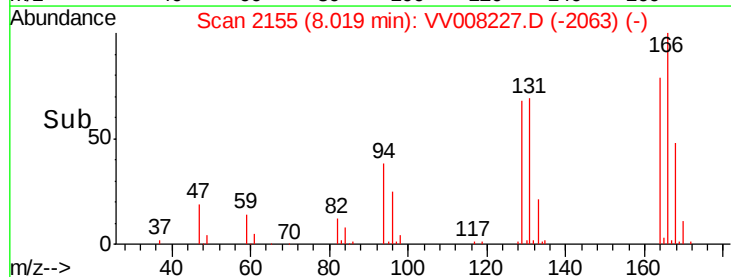
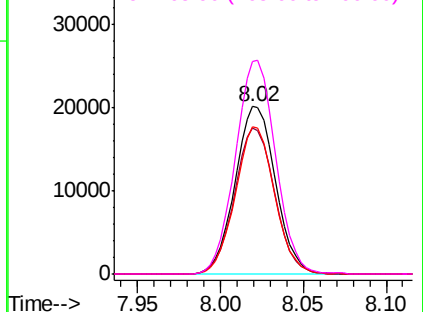


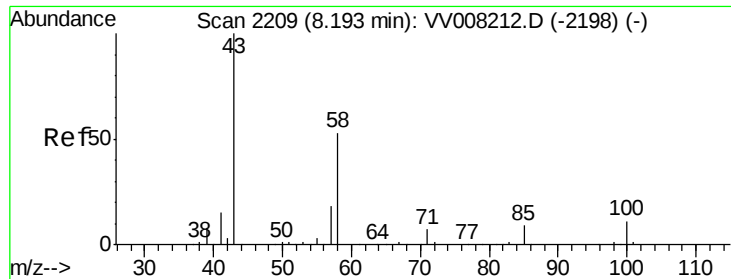
#47
 Tetrachloroethene
 Concen: 5.229 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: VV008227.D
 Acq: 10 Oct 2018 11:28

Tgt Ion:	164	Resp:	34153
Ion	Ratio	Lower	Upper
164	100		
129	86.8	62.2	115.4
131	87.9	60.5	112.5
166	126.9	92.1	171.1



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

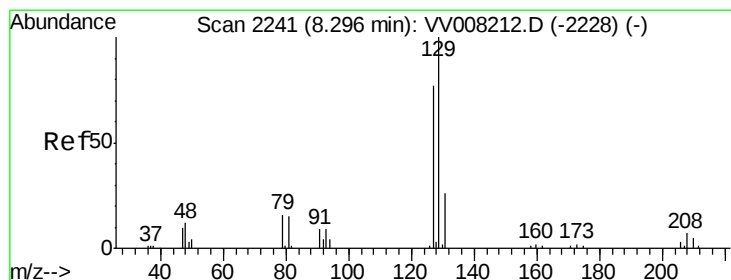
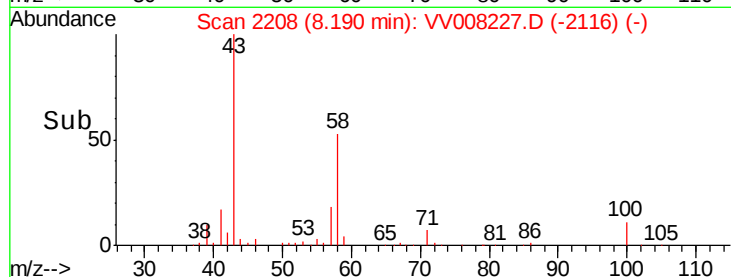
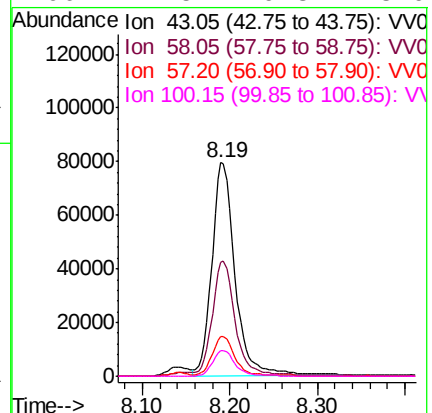
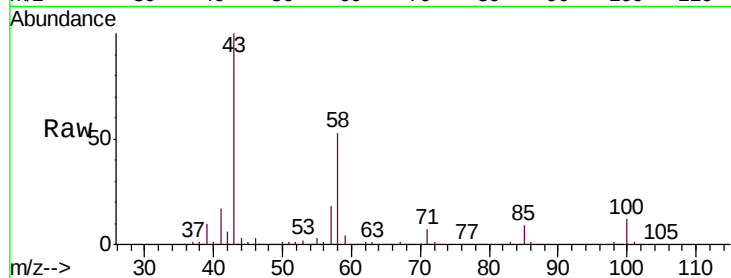




#48
2-Hexanone
Concen: 55.975 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VV008227.D
Acq: 10 Oct 2018 11:28

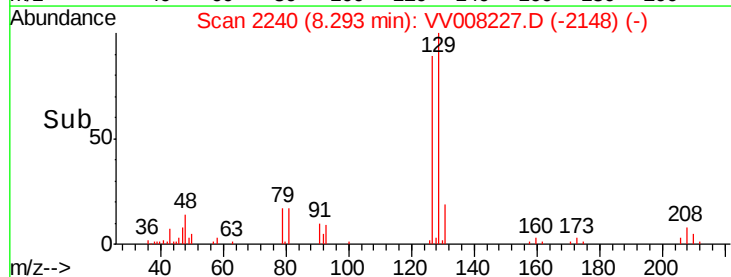
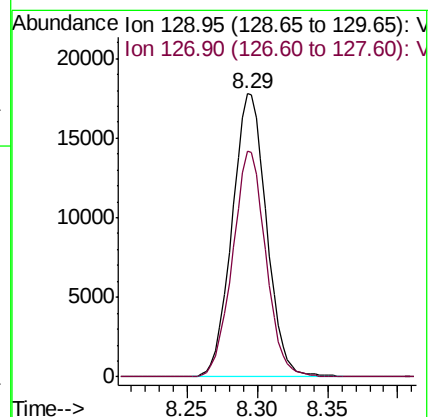
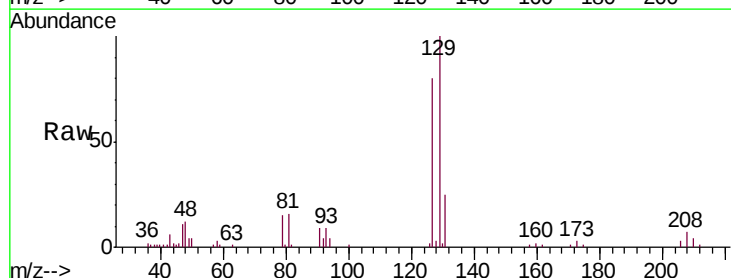
Instrument :
MSVOA_V
ClientSampleId :
BFB85

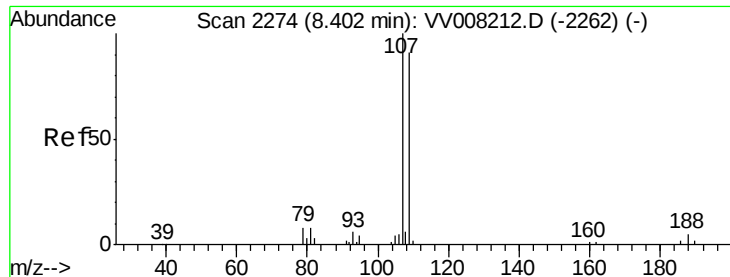
Tgt Ion: 43 Resp: 145615
Ion Ratio Lower Upper
43 100
58 54.6 40.5 60.7
57 18.6 14.6 22.0
100 11.5 9.3 13.9



#49
Dibromochloromethane
Concen: 5.134 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VV008227.D
Acq: 10 Oct 2018 11:28

Tgt Ion: 129 Resp: 30374
Ion Ratio Lower Upper
129 100
127 79.8 54.5 101.3

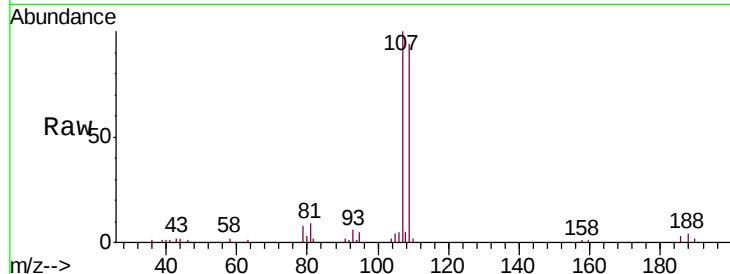




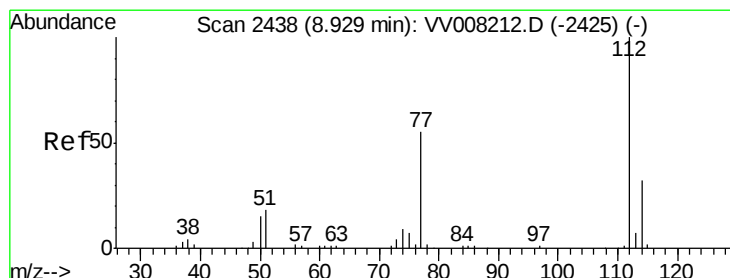
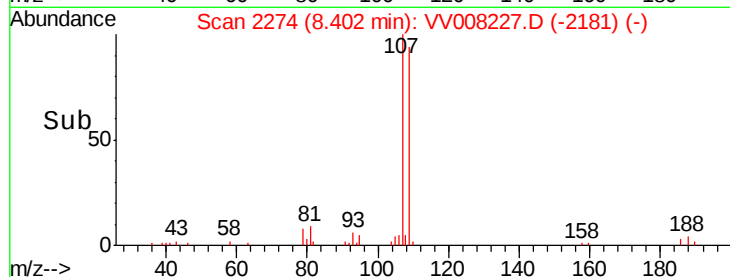
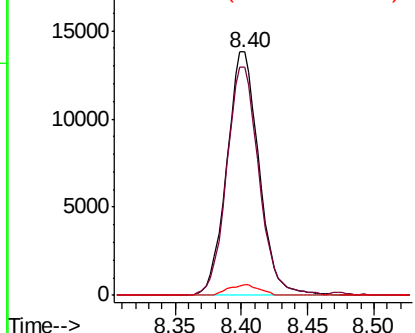
#50
1,2-Dibromoethane
Concen: 5.418 ug/L
RT: 8.40 min Scan# 2274
Delta R.T. -0.00 min
Lab File: VV008227.D
Acq: 10 Oct 2018 11:28

Instrument :
MSVOA_V
ClientSampleId :
BFB85

Tgt Ion:107 Resp: 23331
Ion Ratio Lower Upper
107 100
109 93.7 65.5 121.6
188 4.4 3.5 5.3

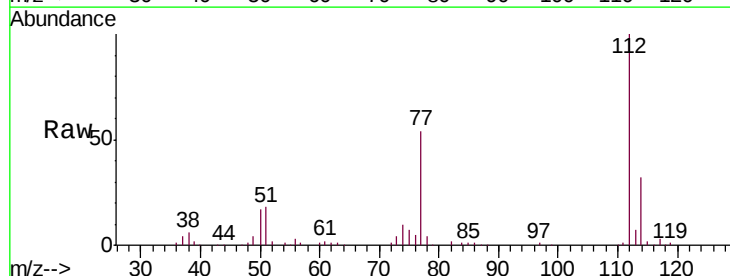


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

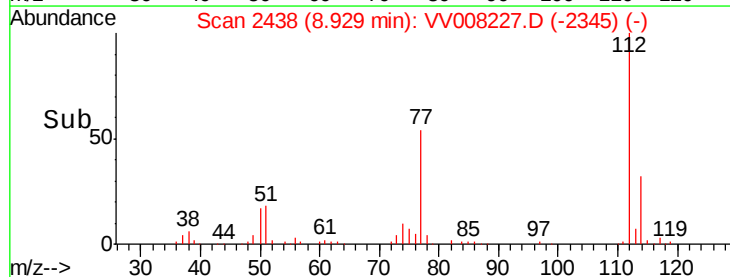
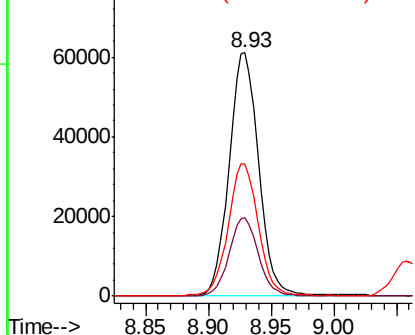


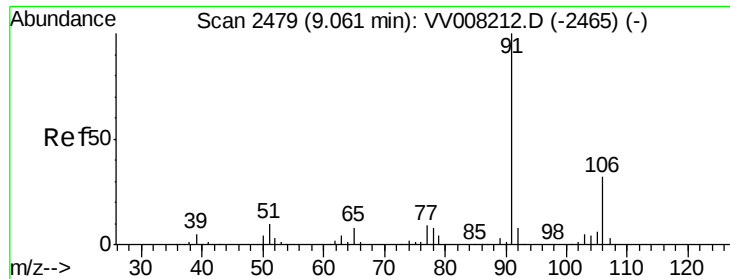
#51
Chlorobenzene
Concen: 5.403 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. -0.00 min
Lab File: VV008227.D
Acq: 10 Oct 2018 11:28

Tgt Ion:112 Resp: 100602
Ion Ratio Lower Upper
112 100
114 32.1 22.8 42.4
77 54.4 44.6 66.8



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 5.439 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV008227.D

Acq: 10 Oct 2018 11:28

Instrument :

MSVOA_V

ClientSampleId :

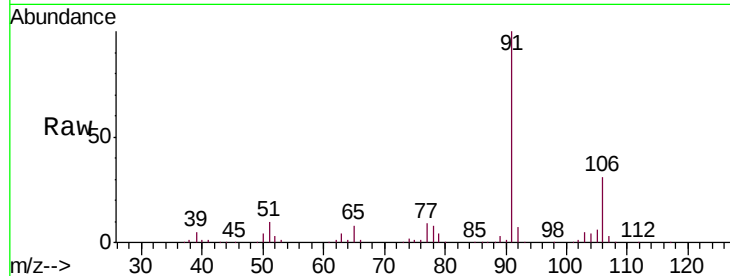
BFB85

Tgt Ion: 91 Resp: 158034

Ion Ratio Lower Upper

91 100

106 31.1 22.3 41.5



Abundance Ion 91.15 (90.85 to 91.85): VV008227.D (-2465) (-)

Ion 106.15 (105.85 to 106.85): VV008227.D (-2465) (-)

9.06

100000

80000

60000

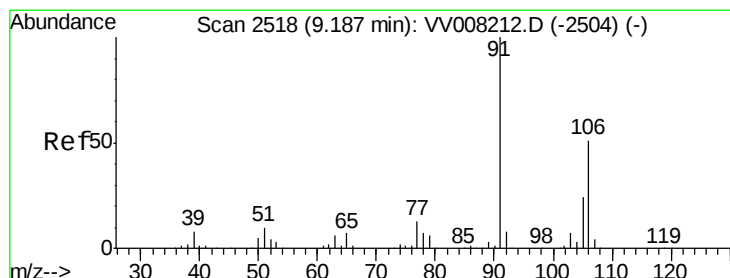
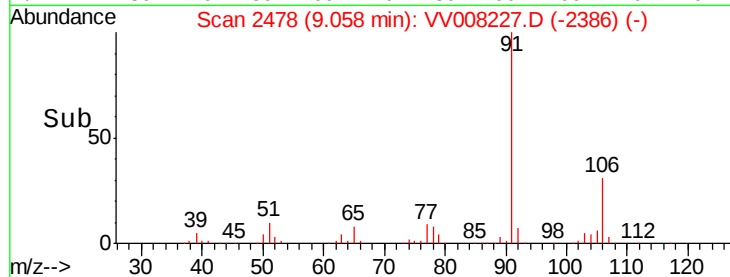
40000

20000

0

Time-->

9.00 9.05 9.10 9.15



#53

m,p-xylene

Concen: 5.579 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV008227.D

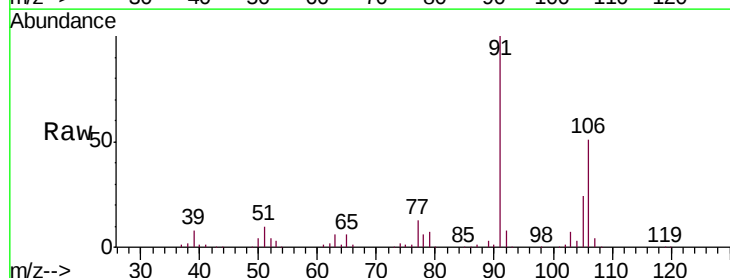
Acq: 10 Oct 2018 11:28

Tgt Ion: 106 Resp: 61456

Ion Ratio Lower Upper

106 100

91 197.7 140.8 261.4



Abundance Ion 106.15 (105.85 to 106.85): VV008227.D (-2504) (-)

Ion 91.15 (90.85 to 91.85): VV008227.D (-2504) (-)

9.18

80000

60000

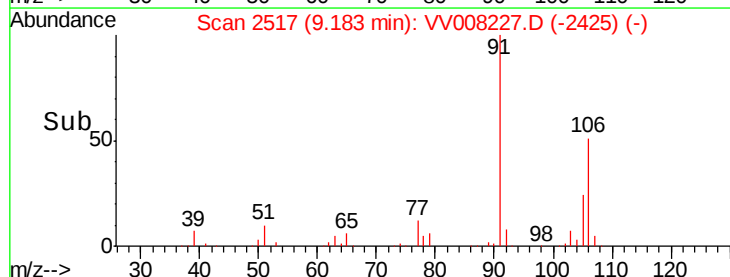
40000

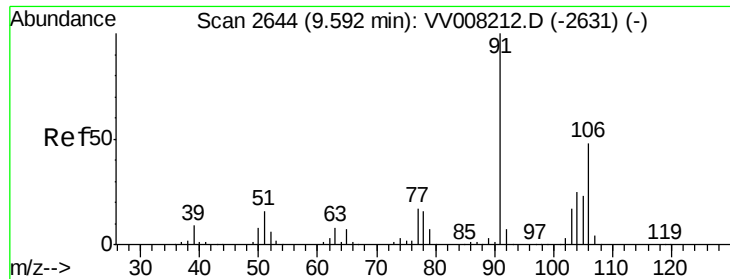
20000

0

Time-->

9.10 9.15 9.20 9.25 9.30

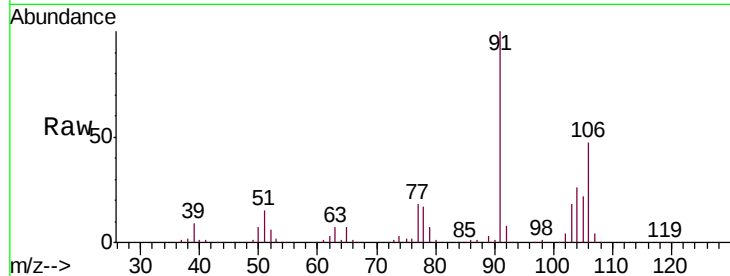




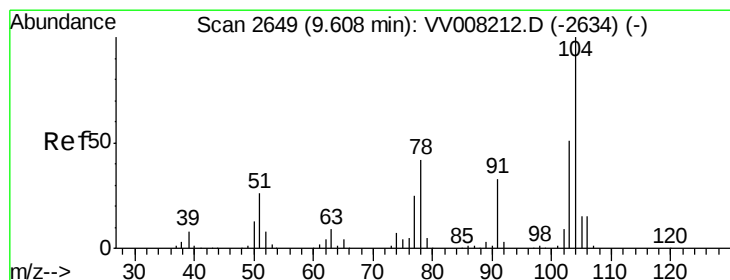
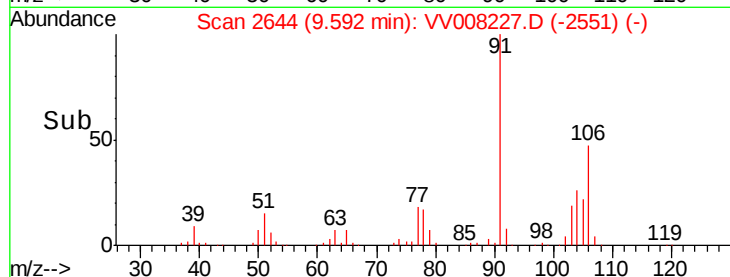
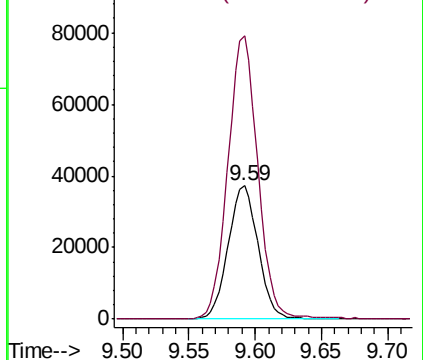
#54
o-xylene
Concen: 5.580 ug/L
RT: 9.59 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VV008227.D
Acq: 10 Oct 2018 11:28

Instrument :
MSVOA_V
ClientSampleId :
BFB85

Tgt Ion:106 Resp: 58675
Ion Ratio Lower Upper
106 100
91 212.2 149.1 276.9

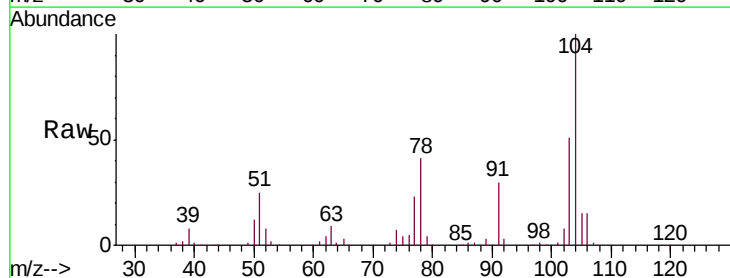


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

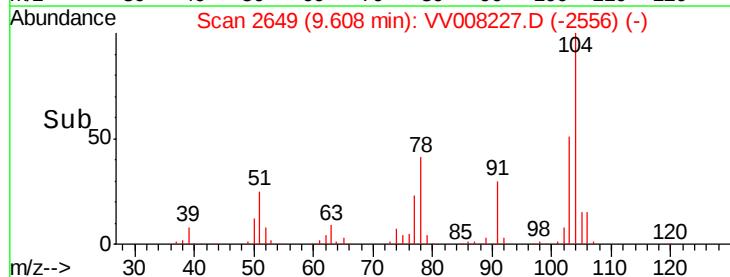
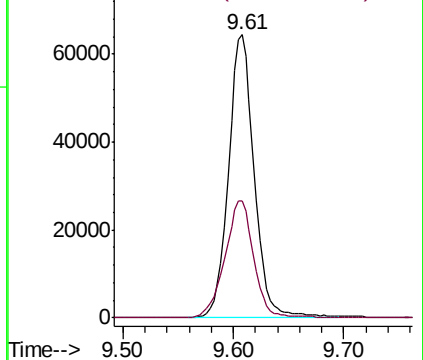


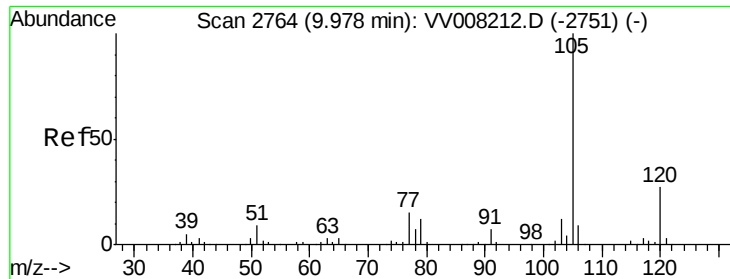
#55
Styrene
Concen: 5.819 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. -0.00 min
Lab File: VV008227.D
Acq: 10 Oct 2018 11:28

Tgt Ion:104 Resp: 104219
Ion Ratio Lower Upper
104 100
78 41.4 29.5 54.9



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





#56

Isopropylbenzene

Concen: 5.612 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV008227.D

Acq: 10 Oct 2018 11:28

Instrument :

MSVOA_V

ClientSampled :

BFB85

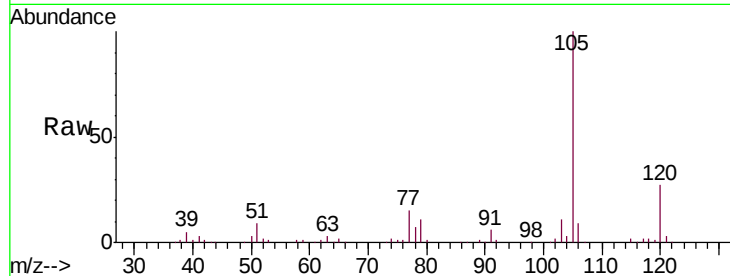
Tgt Ion: 105 Resp: 162338

Ion Ratio Lower Upper

105 100

120 27.5 21.9 32.9

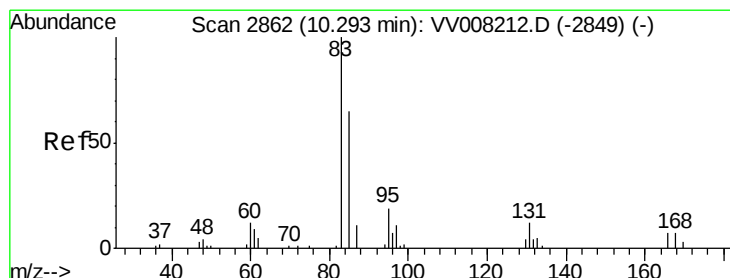
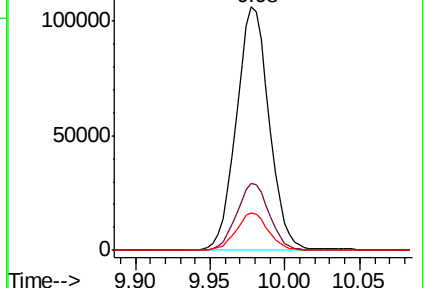
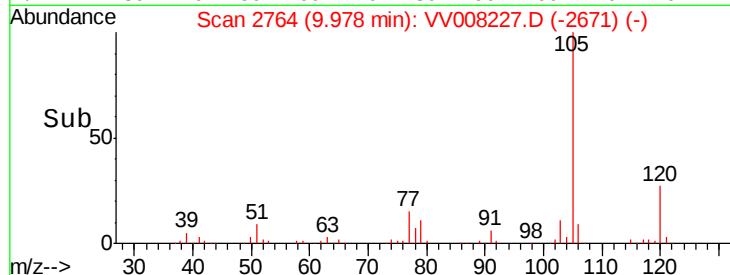
77 15.1 12.2 18.4



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: 5.026 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. -0.00 min

Lab File: VV008227.D

Acq: 10 Oct 2018 11:28

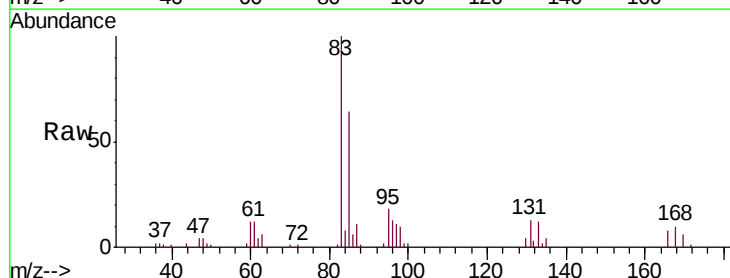
Tgt Ion: 83 Resp: 27633

Ion Ratio Lower Upper

83 100

85 63.9 45.1 83.7

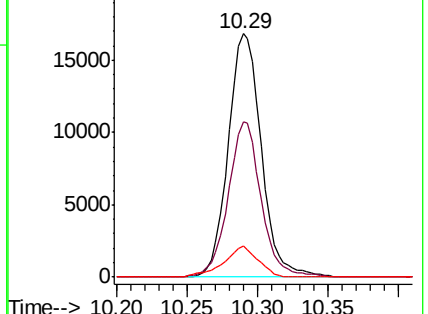
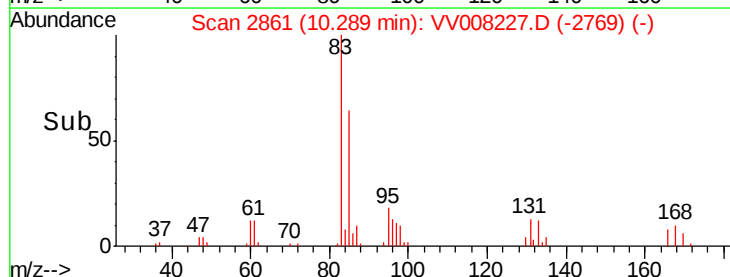
131 12.6 8.8 13.2

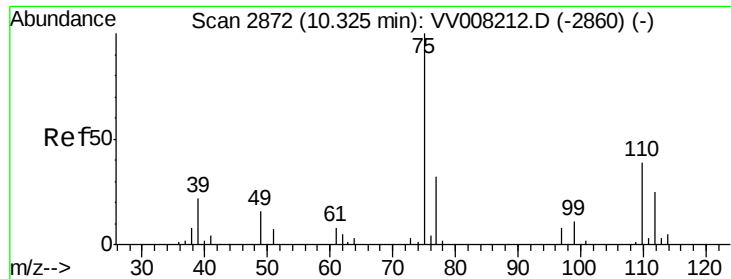


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

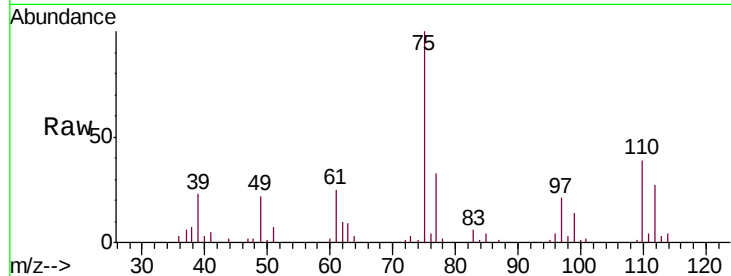




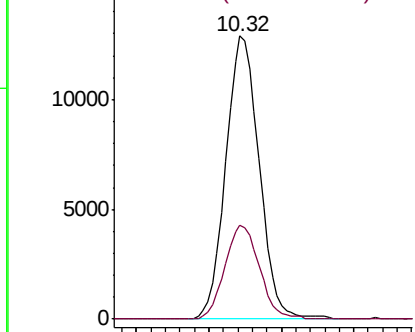
#59
 1,2,3-Trichloropropane
 Concen: 5.226 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VV008227.D
 Acq: 10 Oct 2018 11:28

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB85

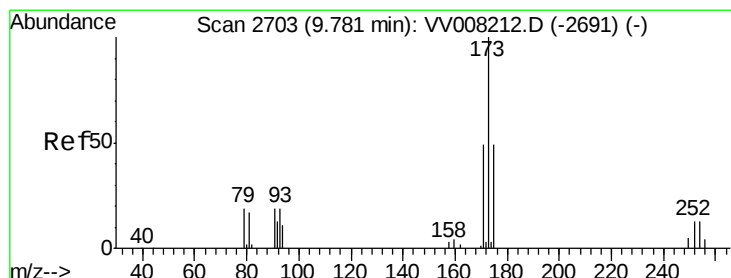
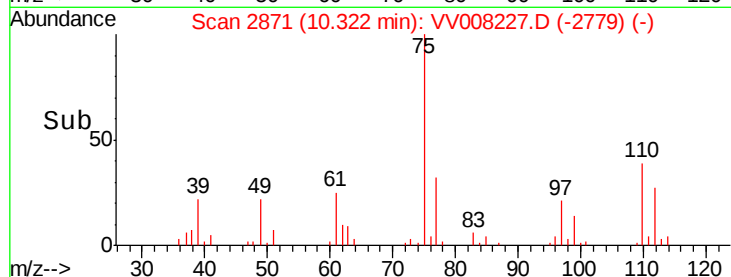
Tgt Ion: 75 Resp: 20630
 Ion Ratio Lower Upper
 75 100
 77 34.3 27.8 41.6



Abundance Ion 75.00 (74.70 to 75.70): VV008227.D (-2779) (-)
 Ion 77.00 (76.70 to 77.70): VV008227.D (-2779) (-)

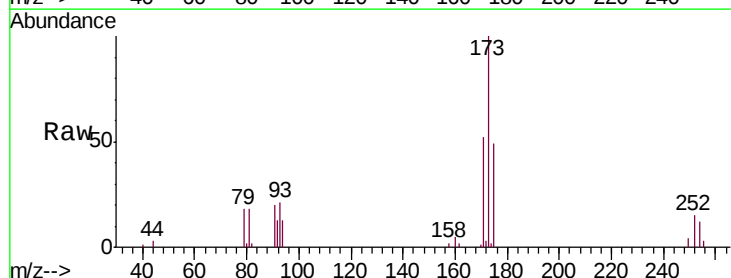


Time-->

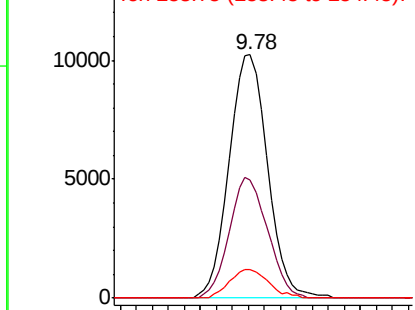


#61
 Bromoform
 Concen: 5.191 ug/L
 RT: 9.78 min Scan# 2703
 Delta R.T. -0.00 min
 Lab File: VV008227.D
 Acq: 10 Oct 2018 11:28

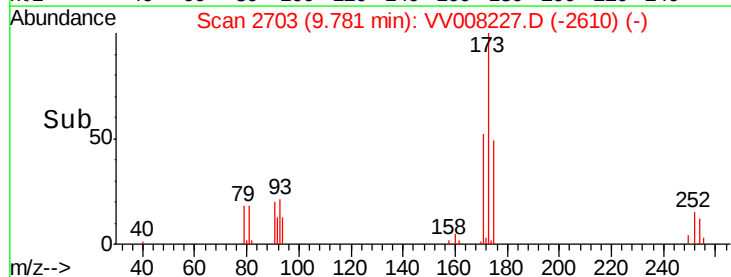
Tgt Ion: 173 Resp: 16778
 Ion Ratio Lower Upper
 173 100
 175 49.0 39.8 59.8
 254 12.0 9.4 14.0

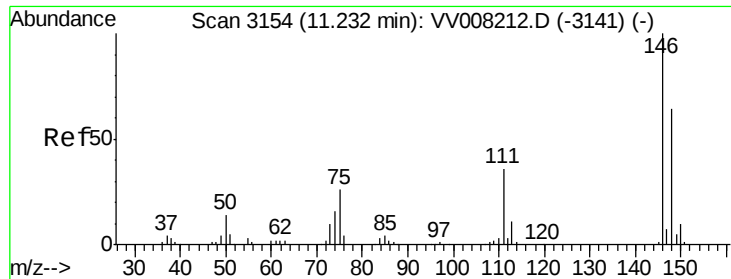


Abundance Ion 172.90 (172.60 to 173.60): VV008227.D (-2610) (-)
 Ion 174.90 (174.60 to 175.60): VV008227.D (-2610) (-)
 Ion 253.75 (253.45 to 254.45): VV008227.D (-2610) (-)



Time-->





#62

1,3-Dichlorobenzene

Concen: 5.399 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. -0.00 min

Lab File: VV008227.D

Acq: 10 Oct 2018 11:28

Instrument :

MSVOA_V

ClientSampleId :

BFB85

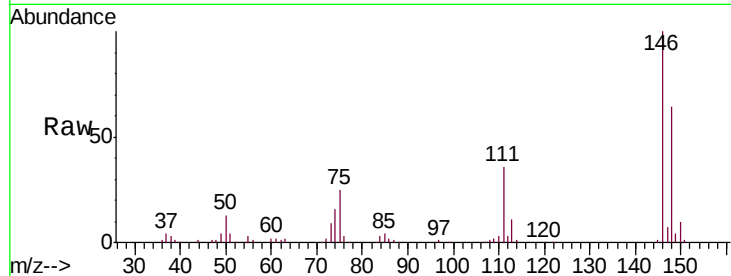
Tgt Ion:146 Resp: 84373

Ion Ratio Lower Upper

146 100

111 36.0 25.8 48.0

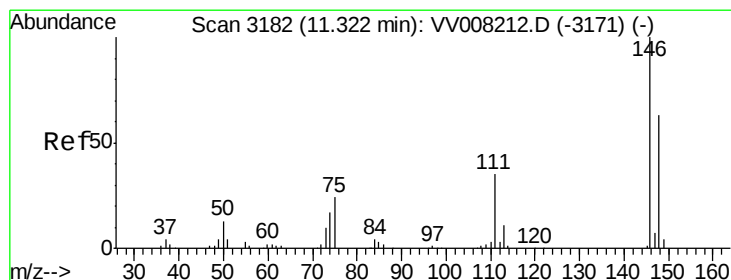
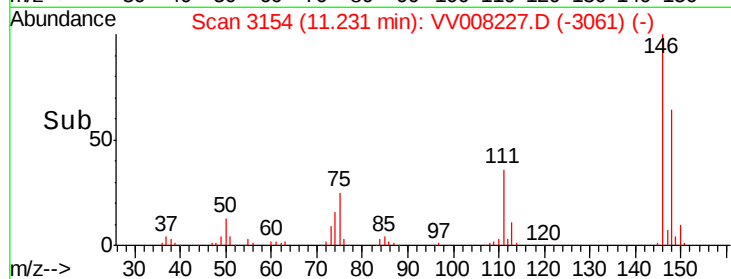
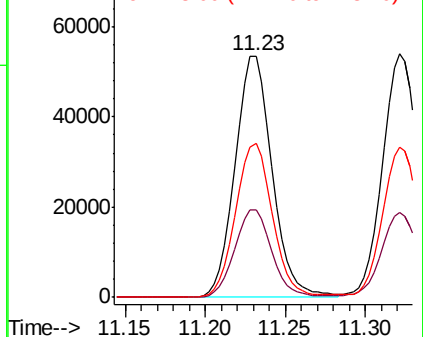
148 63.7 44.4 82.4



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: 5.500 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VV008227.D

Acq: 10 Oct 2018 11:28

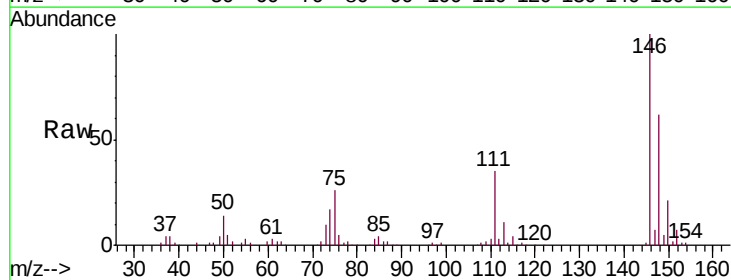
Tgt Ion:146 Resp: 87610

Ion Ratio Lower Upper

146 100

111 35.0 24.2 45.0

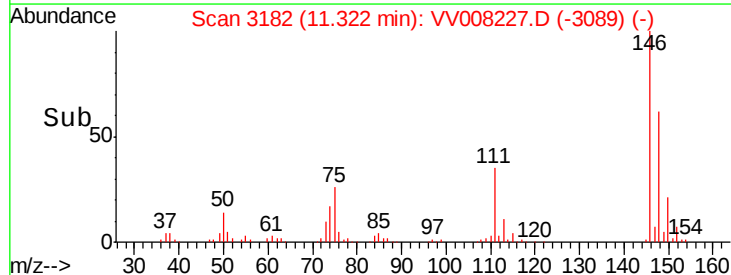
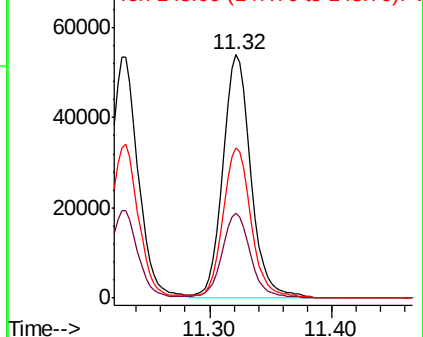
148 61.8 44.0 81.6

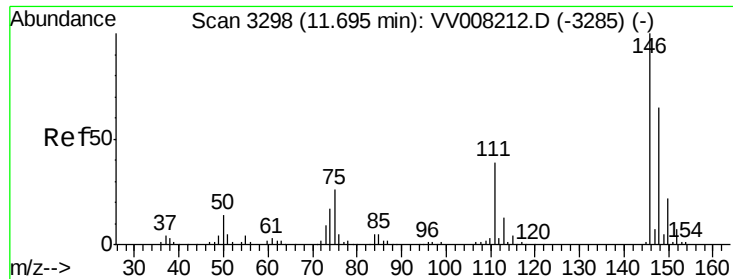


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.351 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VV008227.D

Acq: 10 Oct 2018 11:28

Instrument :

MSVOA_V

ClientSampleId :

BFB85

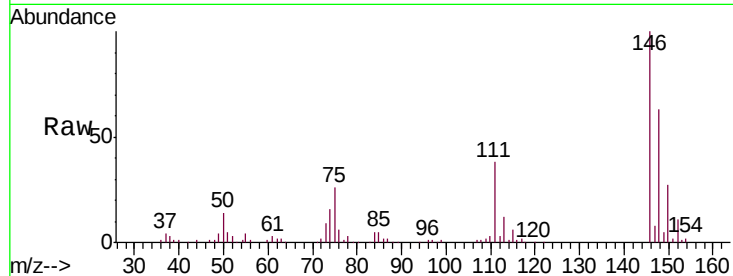
Tgt Ion:146 Resp: 80791

Ion Ratio Lower Upper

146 100

111 38.1 31.8 47.6

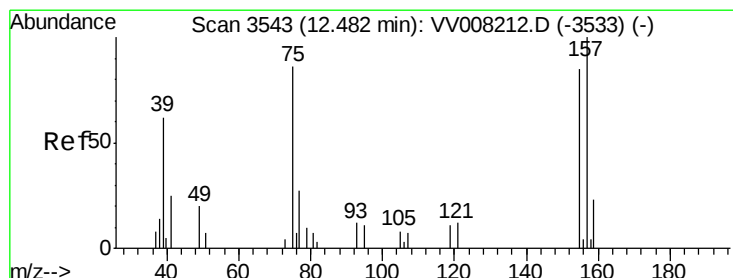
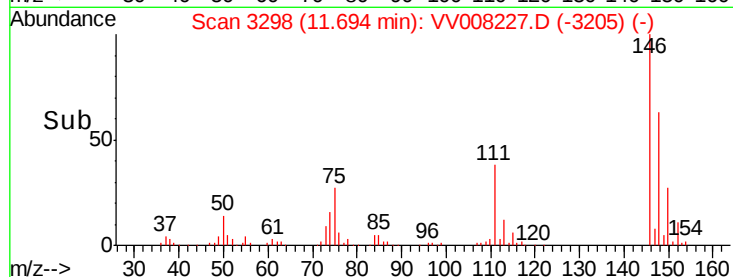
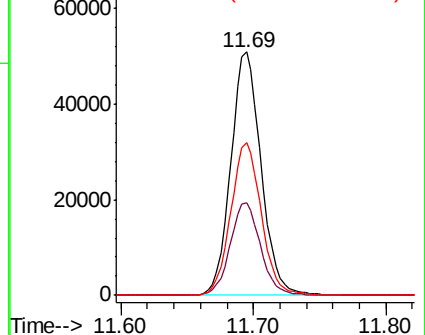
148 62.9 52.2 78.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.767 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. -0.00 min

Lab File: VV008227.D

Acq: 10 Oct 2018 11:28

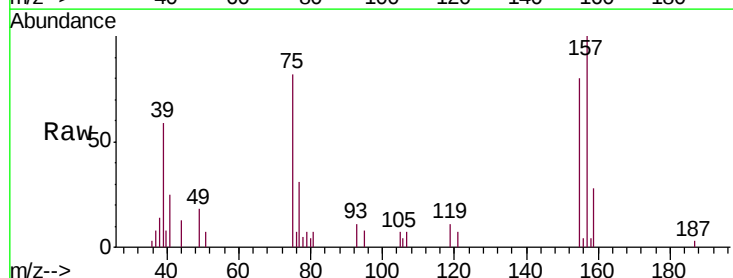
Tgt Ion: 75 Resp: 3759

Ion Ratio Lower Upper

75 100

155 97.8 74.7 112.1

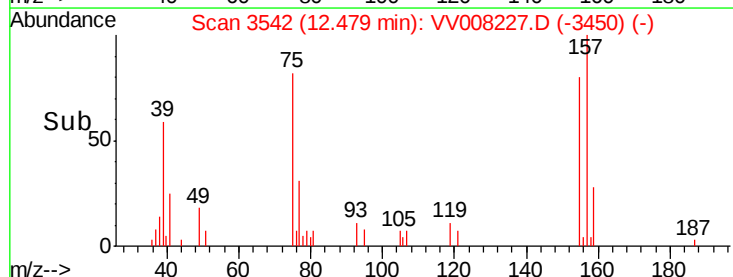
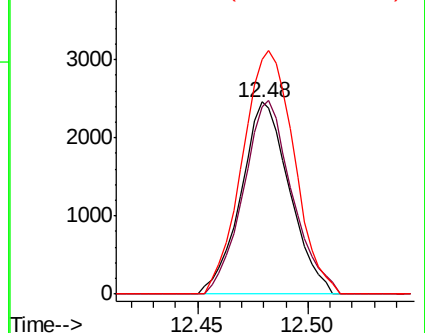
157 122.3 93.1 139.7

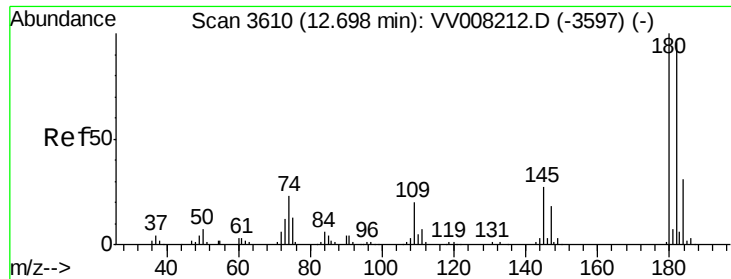


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

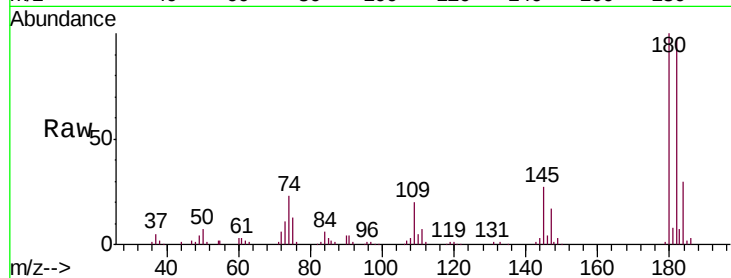




#67
 1,3,5-Trichlorobenzene
 Concen: 5.444 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. -0.00 min
 Lab File: VV008227.D
 Acq: 10 Oct 2018 11:28

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB85

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	77.0	115.6
184	30.6	24.2	36.2
145	26.4	22.2	33.2



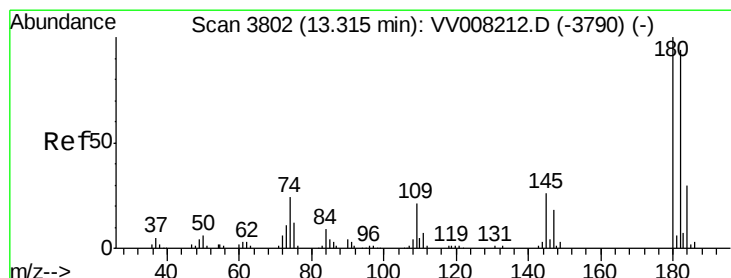
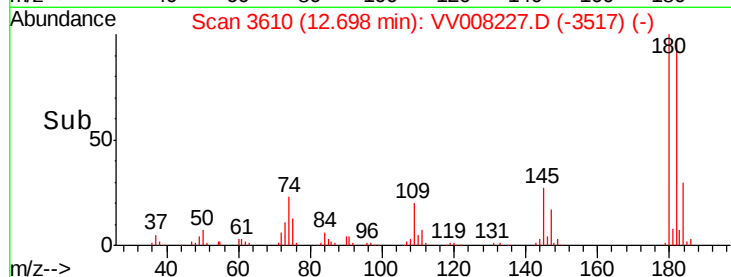
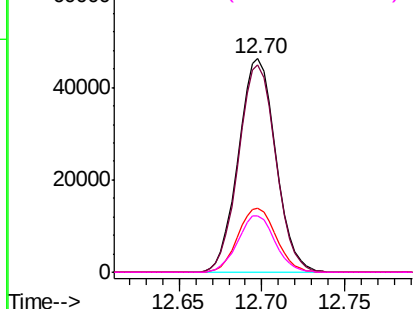
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

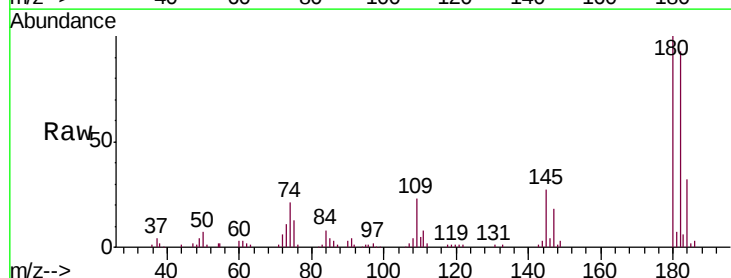
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.412 ug/L
 RT: 13.32 min Scan# 3802
 Delta R.T. -0.00 min
 Lab File: VV008227.D
 Acq: 10 Oct 2018 11:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.6	114.8
145	27.2	22.1	33.1

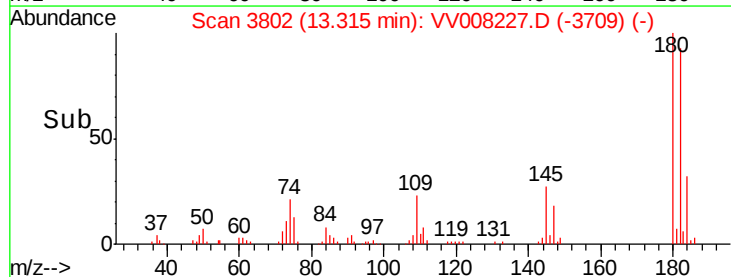
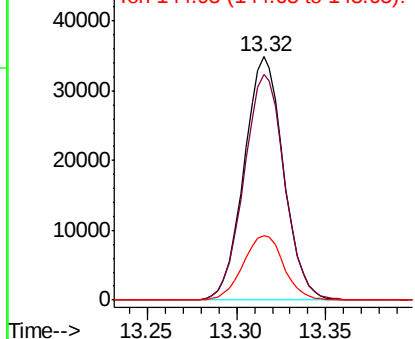


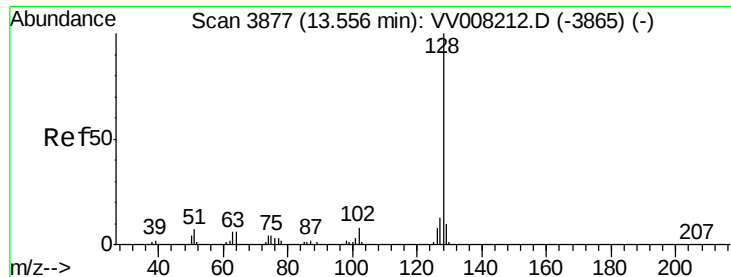
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.673 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. -0.00 min

Lab File: VV008227.D

Acq: 10 Oct 2018 11:28

Instrument :

MSVOA_V

ClientSampleId :

BFB85

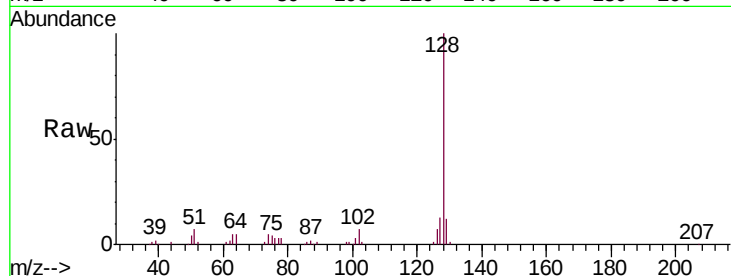
Tgt Ion:128 Resp: 59273

Ion Ratio Lower Upper

128 100

129 11.3 8.5 12.7

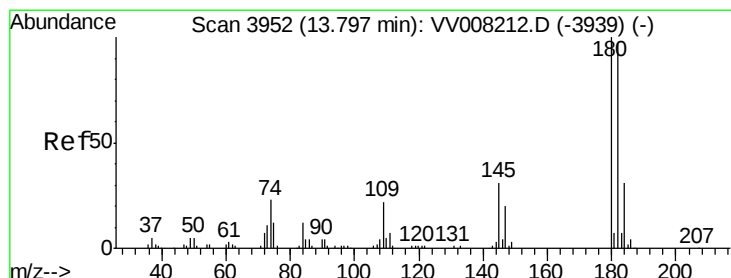
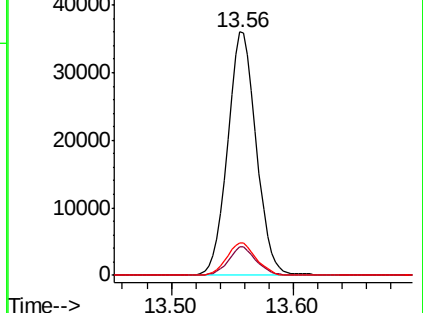
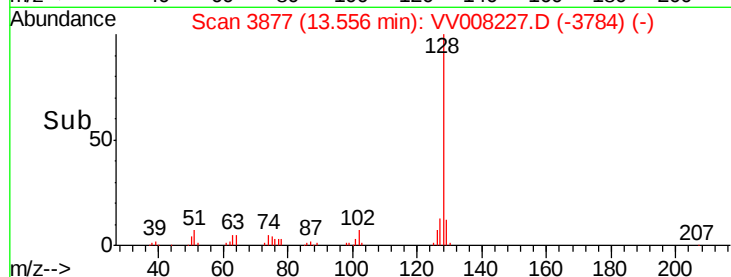
127 13.5 10.2 15.2



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: 5.261 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. -0.00 min

Lab File: VV008227.D

Acq: 10 Oct 2018 11:28

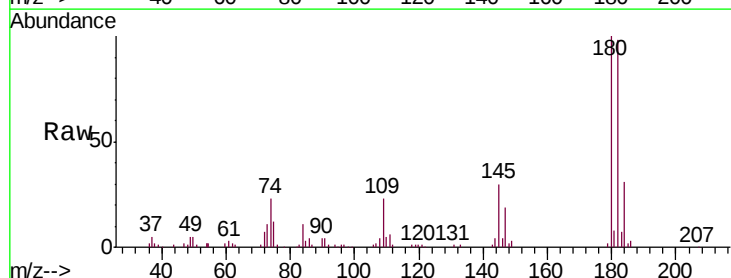
Tgt Ion:180 Resp: 49699

Ion Ratio Lower Upper

180 100

182 96.6 75.1 112.7

145 29.4 23.2 34.8



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

