

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041420\
 Data File : VV015457.D
 Acq On : 14 Apr 2020 10:35
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB34

Quant Time: Apr 15 01:27:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Apr 13 12:54:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	121815	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	116807	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	59395	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	39184	6.20	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	124.00%
7) Chloroethane-d5	1.58	69	33067	5.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	113.60%
11) 1,1-Dichloroethene-d2	2.12	63	71933	5.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	108.00%
20) 2-Butanone-d5	3.93	46	90103	50.77	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.54%
24) Chloroform-d	4.38	84	68796	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
26) 1,2-Dichloroethane-d4	5.06	65	36474	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
32) Benzene-d6	5.07	84	139442	5.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.60%
36) 1,2-Dichloropropane-d6	6.09	67	42407	5.25	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.00%
41) Toluene-d8	7.34	98	133315	5.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.80%
43) trans-1,3-Dichloropropene-	7.64	79	19090	5.44	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	108.80%
46) 2-Hexanone-d5	8.11	63	71273	42.10	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.20%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	30069	4.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.80%
64) 1,2-Dichlorobenzene-d4	11.65	152	46737	4.90	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	58106	4.819 ug/L	99
3) Chloromethane	1.25	50	55322	4.818 ug/L	100
5) Vinyl chloride	1.32	62	53882	4.873 ug/L	97
6) Bromomethane	1.53	94	30979	5.070 ug/L	98
8) Chloroethane	1.60	64	32080	5.003 ug/L	100
9) Trichlorofluoromethane	1.76	101	69819	4.936 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	40644	5.087 ug/L	98
12) 1,1-Dichloroethene	2.13	96	36984	4.837 ug/L	98
13) Acetone	2.21	43	72294	57.658 ug/L #	50
14) Carbon disulfide	2.31	76	124251	4.661 ug/L	100
15) Methyl Acetate	2.46	43	16262	4.384 ug/L #	90
16) Methylene chloride	2.52	84	43164	4.818 ug/L	96
17) Methyl tert-butyl Ether	2.79	73	101323	4.958 ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	43433	5.040 ug/L	97
19) 1,1-Dichloroethane	3.21	63	82781	5.096 ug/L	99
21) 2-Butanone	4.01	43	108050	53.327 ug/L #	70
22) cis-1,2-Dichloroethene	3.94	96	45824	5.122 ug/L	96

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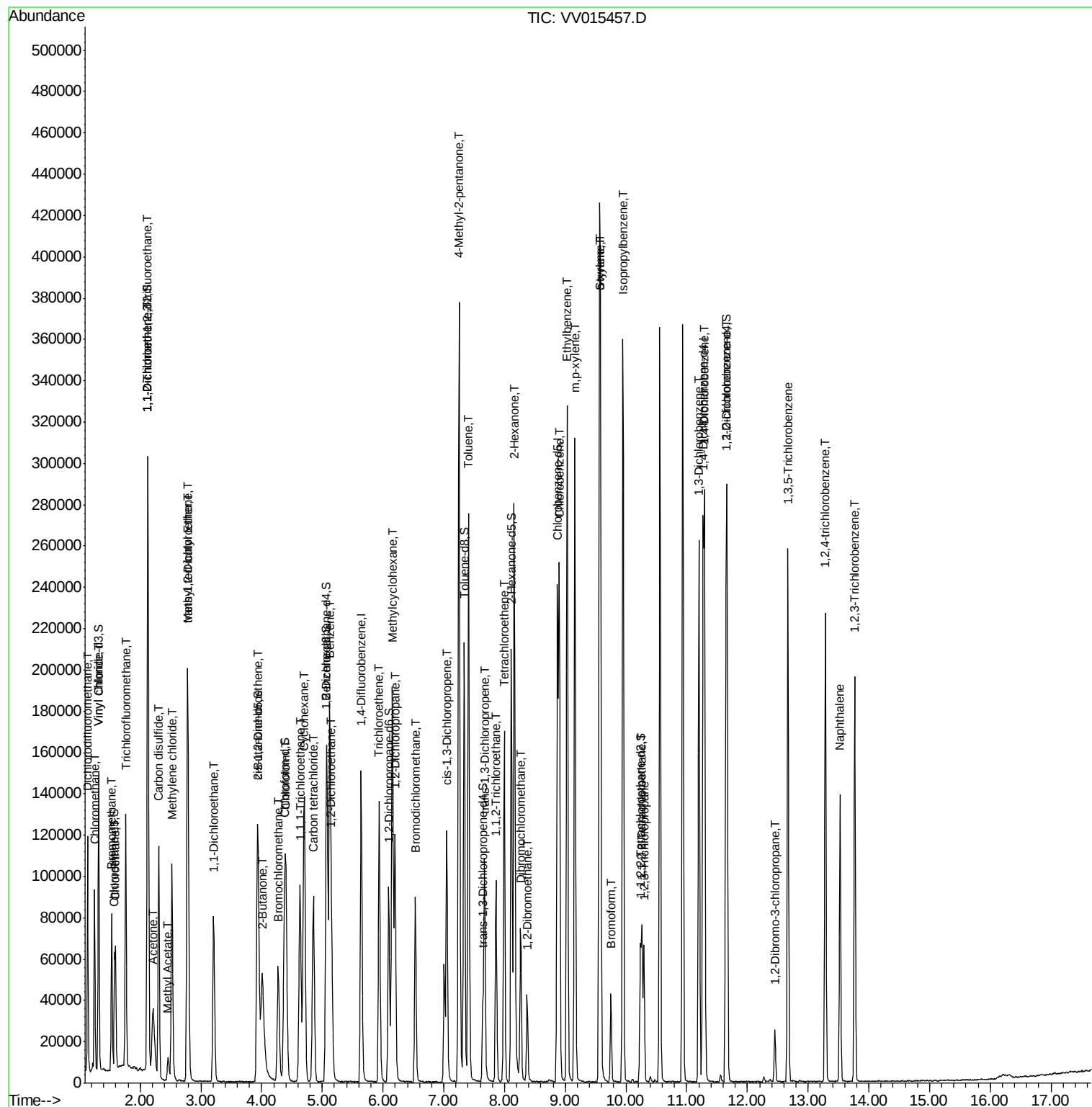
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	18924	5.084	ug/L	96
25) Chloroform	4.40	83	85774	5.160	ug/L	99
27) 1,2-Dichloroethane	5.15	62	51145	4.759	ug/L	98
29) 1,1,1-Trichloroethane	4.63	97	77296	5.100	ug/L	97
30) Cyclohexane	4.70	56	77109	4.792	ug/L	100
31) Carbon tetrachloride	4.85	117	66358	5.031	ug/L	99
33) Benzene	5.12	78	174443	4.990	ug/L	100
34) Trichloroethene	5.94	95	46926	4.987	ug/L	98
35) Methylcyclohexane	6.15	83	77874	4.912	ug/L	99
37) 1,2-Dichloropropane	6.20	63	44957	5.185	ug/L	100
38) Bromodichloromethane	6.53	83	58899	5.094	ug/L	95
39) cis-1,3-Dichloropropene	7.05	75	67620	5.082	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	264644	46.480	ug/L	98
42) Toluene	7.41	91	189914	5.004	ug/L	97
44) trans-1,3-Dichloropropene	7.67	75	57339	5.096	ug/L	97
45) 1,1,2-Trichloroethane	7.86	97	28833	4.947	ug/L	96
47) Tetrachloroethene	8.00	164	35579	5.103	ug/L	98
48) 2-Hexanone	8.16	43	190577	47.905	ug/L	100
49) Dibromochloromethane	8.27	129	36174	5.181	ug/L	98
50) 1,2-Dibromoethane	8.37	107	26881	4.812	ug/L	98
51) Chlorobenzene	8.90	112	120845	4.995	ug/L	99
52) Ethylbenzene	9.03	91	222904	5.102	ug/L	100
53) m,p-xylene	9.16	106	83671	5.071	ug/L	99
54) o-xylene	9.56	106	80788	5.058	ug/L	99
55) Styrene	9.58	104	135548	5.049	ug/L	100
56) Isopropylbenzene	9.95	105	221479	5.058	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	34082	4.804	ug/L	100
59) 1,2,3-Trichloropropane	10.30	75	25386	4.735	ug/L	100
61) Bromoform	9.75	173	17917	5.143	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	98056	5.120	ug/L	98
63) 1,4-Dichlorobenzene	11.30	146	97054	4.981	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	87557	5.015	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	6650	4.978	ug/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	71773	5.187	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	62488	5.013	ug/L	100
69) Naphthalene	13.53	128	103418	4.404	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	52333	4.753	ug/L	99

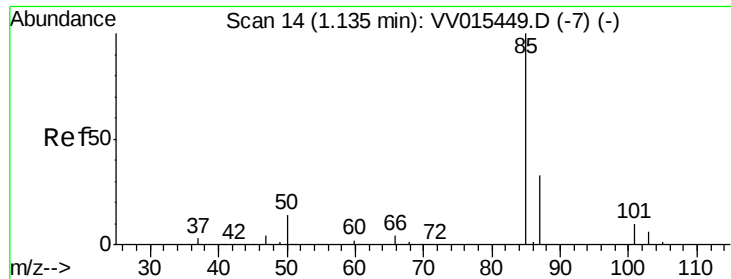
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.819 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV015457.D

Acq: 14 Apr 2020 10:35

Instrument :

MSVOA_V

ClientSampleId :

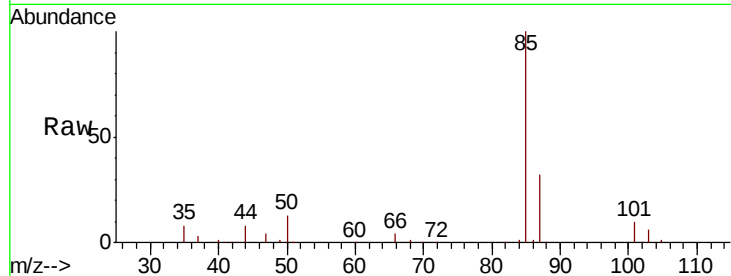
BFB34

Tot Ion: 85 Resp: 58106

Ion Ratio Lower Upper

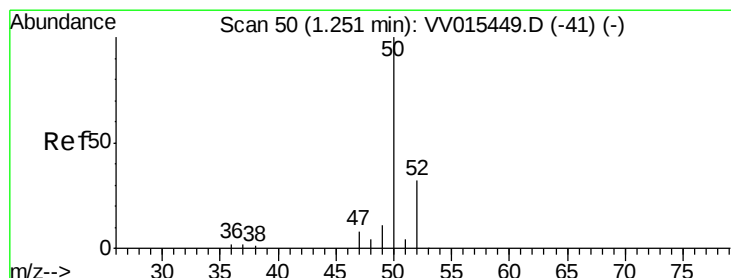
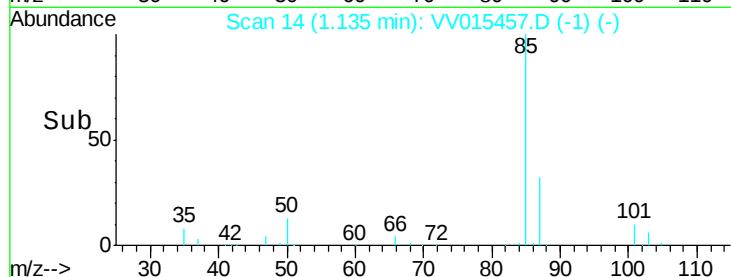
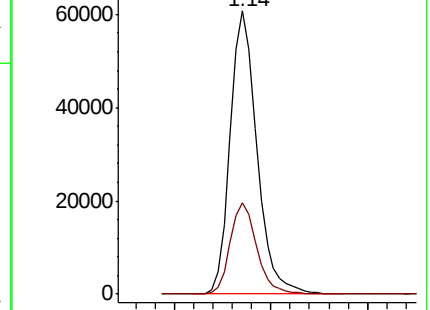
85 100

87 32.0 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 4.818 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV015457.D

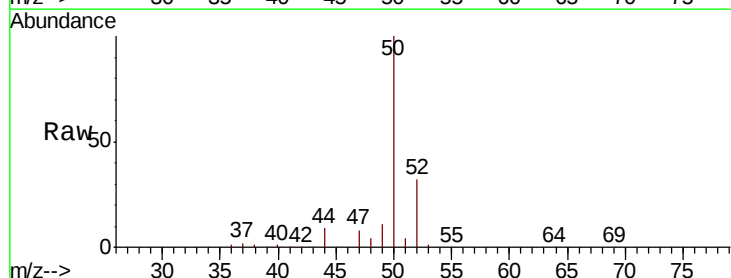
Acq: 14 Apr 2020 10:35

Tgt Ion: 50 Resp: 55322

Ion Ratio Lower Upper

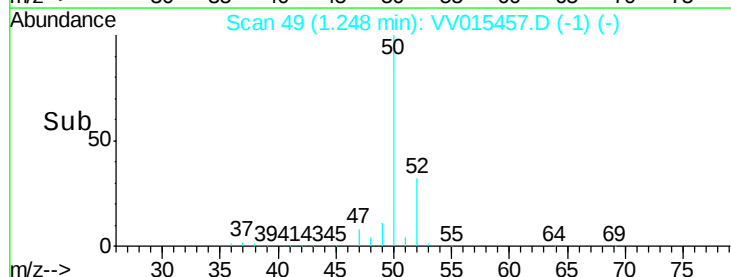
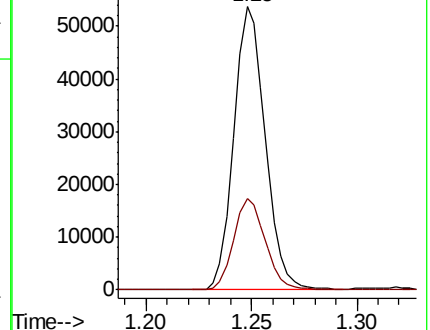
50 100

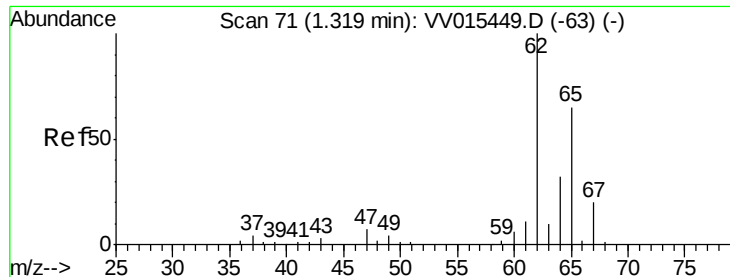
52 32.2 22.7 42.1



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 4.873 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV015457.D

Acq: 14 Apr 2020 10:35

Instrument :

MSVOA_V

ClientSampleId :

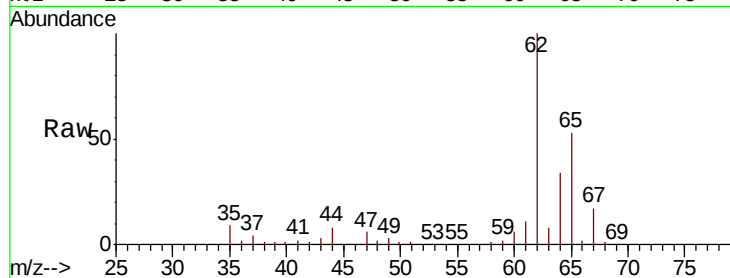
BFB34

Tot Ion: 62 Resp: 53882

Ion Ratio Lower Upper

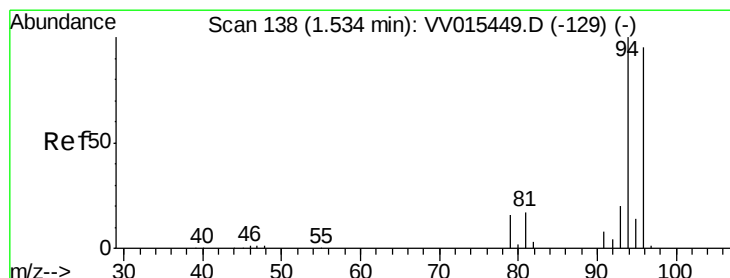
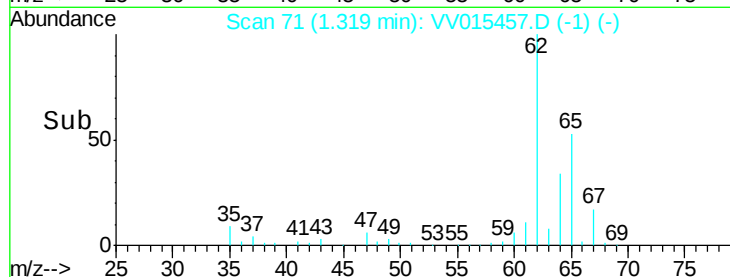
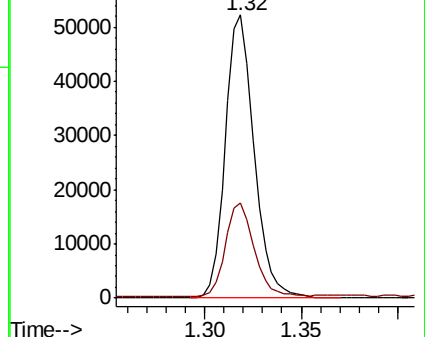
62 100

64 33.8 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 5.070 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV015457.D

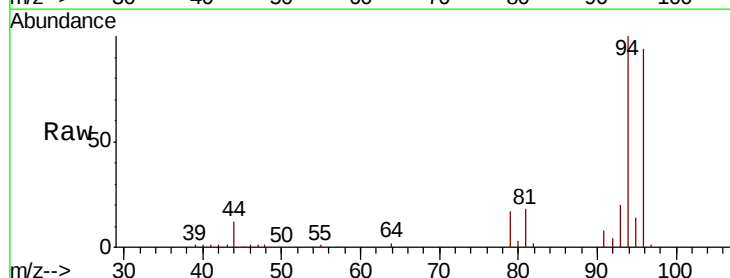
Acq: 14 Apr 2020 10:35

Tgt Ion: 94 Resp: 30979

Ion Ratio Lower Upper

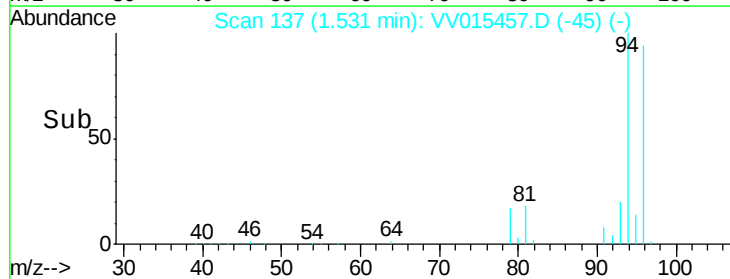
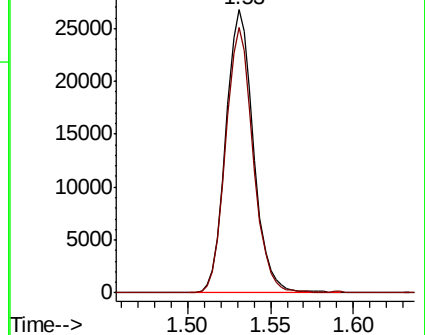
94 100

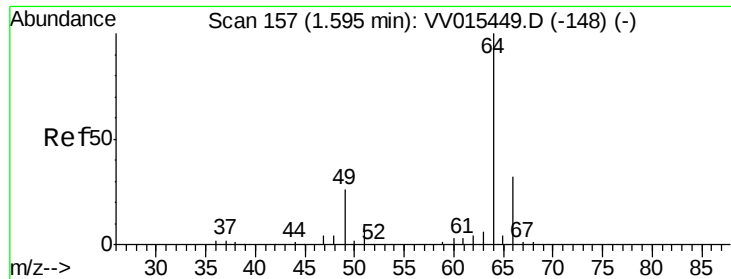
96 93.8 67.2 124.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 5.003 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV015457.D

Acq: 14 Apr 2020 10:35

Instrument :

MSVOA_V

ClientSampleId :

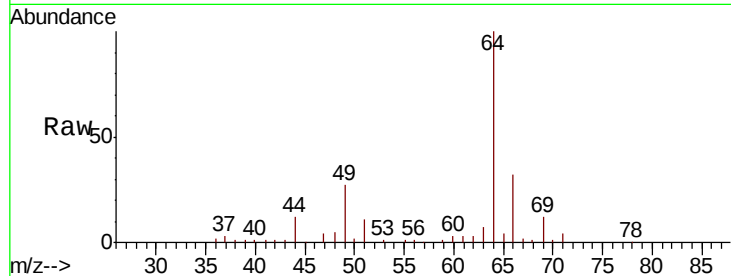
BFB34

Tot Ion: 64 Resp: 32080

Ion Ratio Lower Upper

64 100

66 31.9 22.3 41.5



Abundance Ion 64.10 (63.80 to 64.80): VV015449.D (-148) (-)

Ion 66.05 (65.75 to 66.75): VV015449.D (-148) (-)

1.60

25000

20000

15000

10000

5000

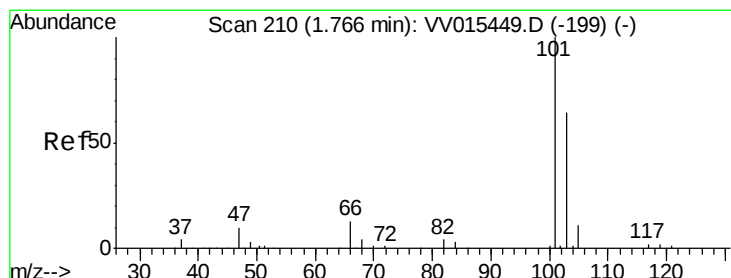
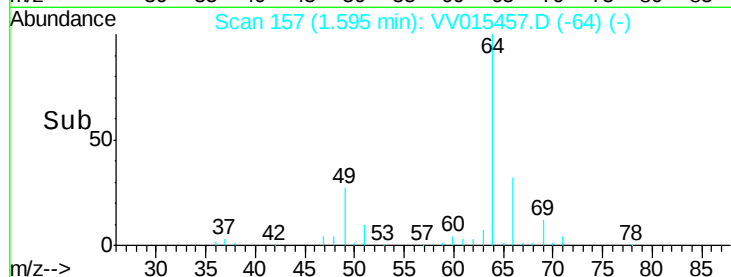
0

Time-->

1.55

1.60

1.65



#9

Trichlorofluoromethane

Concen: 4.936 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV015457.D

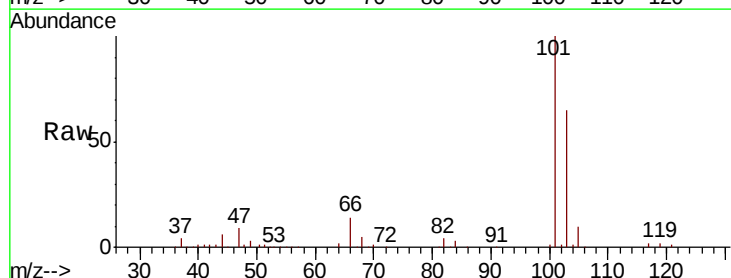
Acq: 14 Apr 2020 10:35

Tgt Ion:101 Resp: 69819

Ion Ratio Lower Upper

101 100

103 65.2 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VV015449.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV015449.D (-199) (-)

1.76

60000

50000

40000

30000

20000

10000

0

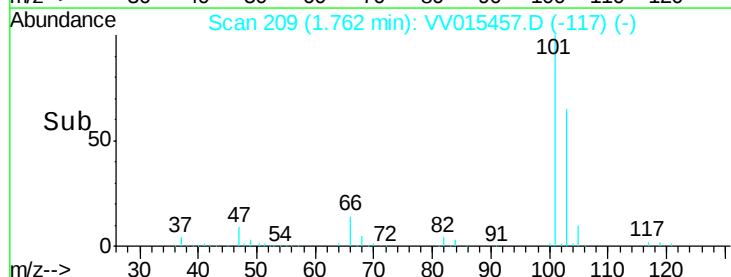
Time-->

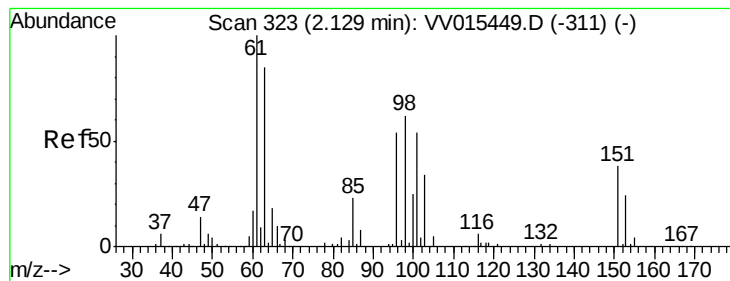
1.70

1.75

1.80

1.85





#10

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

Concen: 5.087 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV015457.D

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BFB34

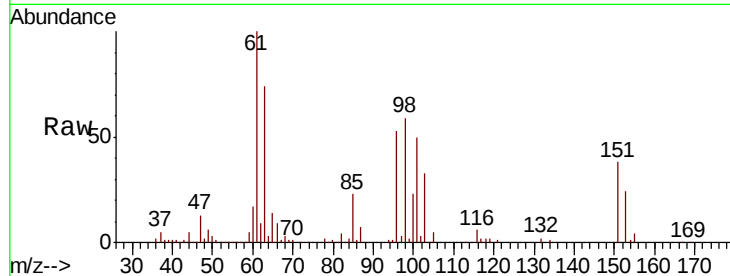
Tot Ion:101 Resp: 40644

Ion Ratio Lower Upper

101 100

85 44.4 36.3 54.5

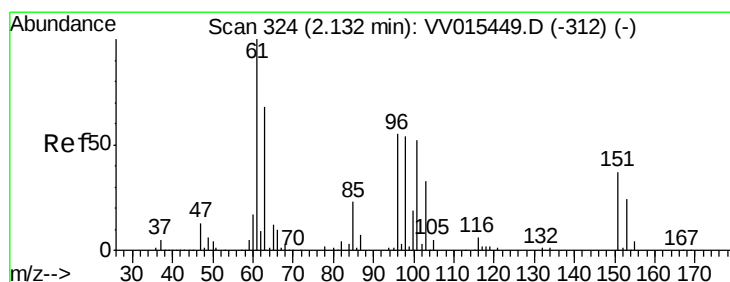
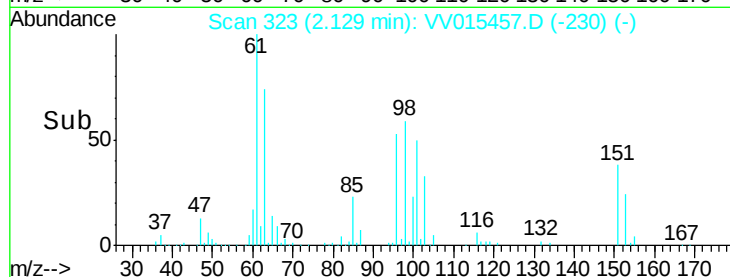
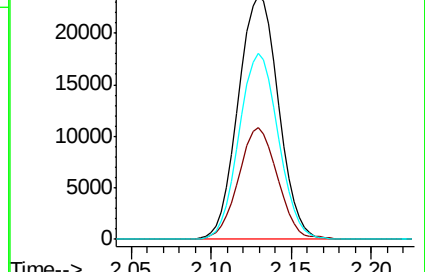
151 74.4 58.2 87.4



Abundance Ion 101.00 (100.70 to 101.70): VV015449.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV015449.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV015449.D (-311) (-)



#12

1,1-Dichloroethene

Concen: 4.837 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV015457.D

Acq: 14 Apr 2020 10:35

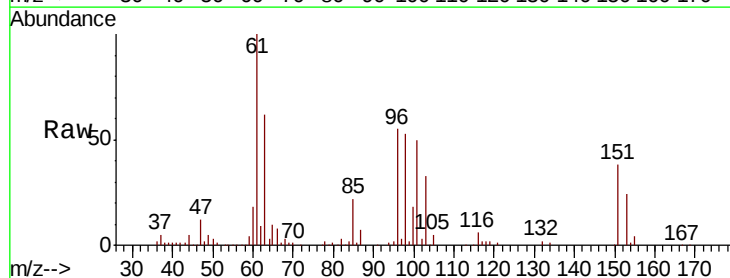
Tgt Ion: 96 Resp: 36984

Ion Ratio Lower Upper

96 100

61 182.8 127.7 237.1

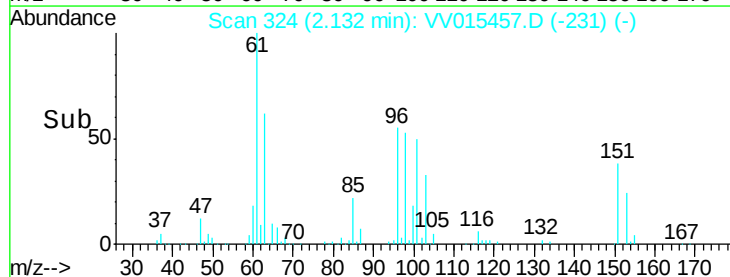
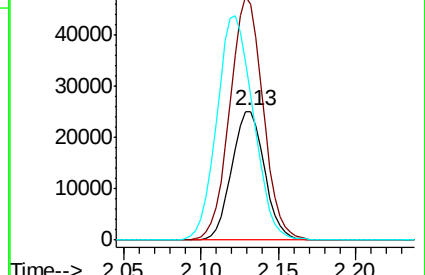
63 112.6 75.1 139.5

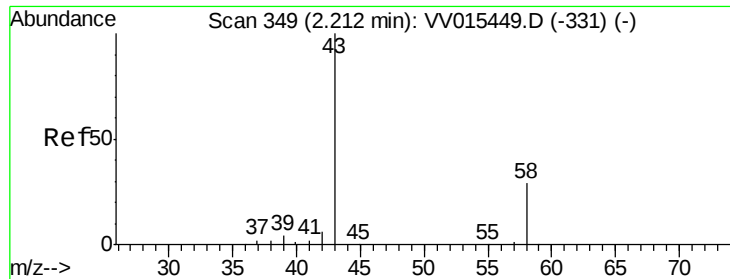


Abundance Ion 96.00 (95.70 to 96.70): VV015449.D (-312) (-)

Ion 61.05 (60.75 to 61.75): VV015449.D (-312) (-)

Ion 63.00 (62.70 to 63.70): VV015449.D (-312) (-)





#13

Acetone

Concen: 57.658 ug/L

RT: 2.21 min Scan# 349

Delta R.T. -0.00 min

Lab File: VV015457.D

Acq: 14 Apr 2020 10:35

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MSVOA_V

ClientSampleId :

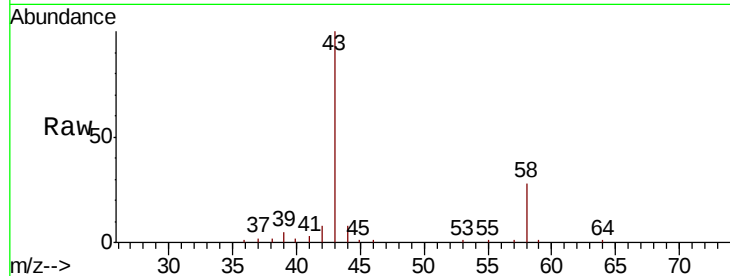
BFB34

Tot Ion: 43 Resp: 72294

Ion Ratio Lower Upper

43 100

58 30.2 0.0 22.2#



Abundance Ion 43.05 (42.75 to 43.75): VV015449.D (-331) (-)

Ion 58.05 (57.75 to 58.75): VV015449.D (-331) (-)

2.21

25000

20000

15000

10000

5000

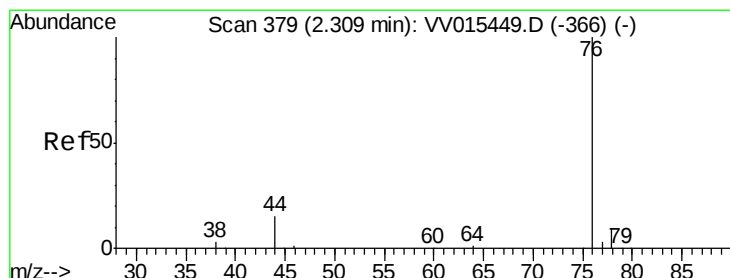
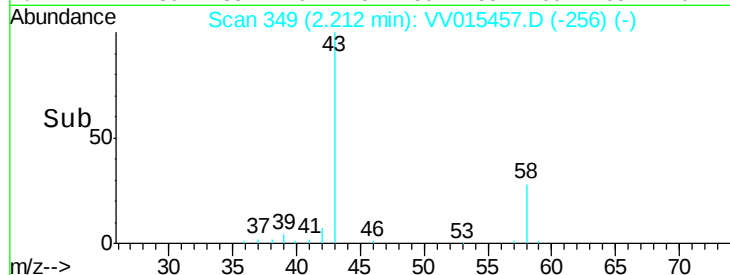
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Time-->

2.10

2.20

2.30



#14

Carbon disulfide

Concen: 4.661 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV015457.D

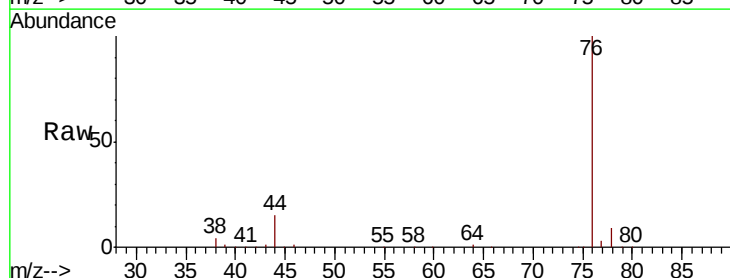
Acq: 14 Apr 2020 10:35

Tgt Ion: 76 Resp: 124251

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VV015449.D (-366) (-)

Ion 78.00 (77.70 to 78.70): VV015449.D (-366) (-)

2.31

100000

80000

60000

40000

20000

0

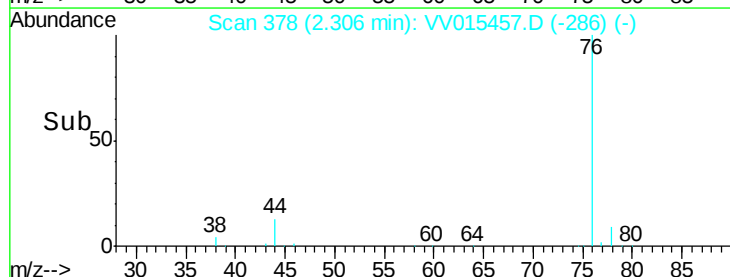
Time-->

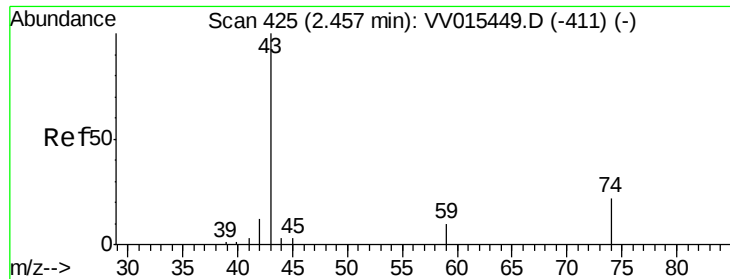
2.25

2.30

2.35

2.40

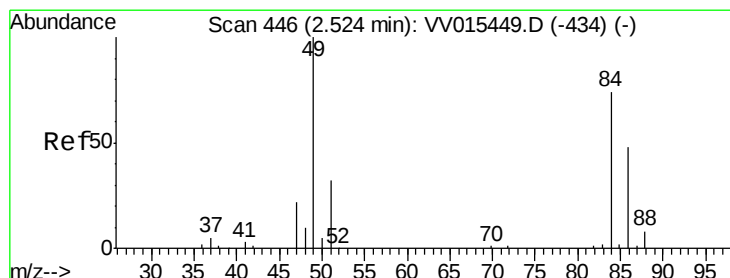
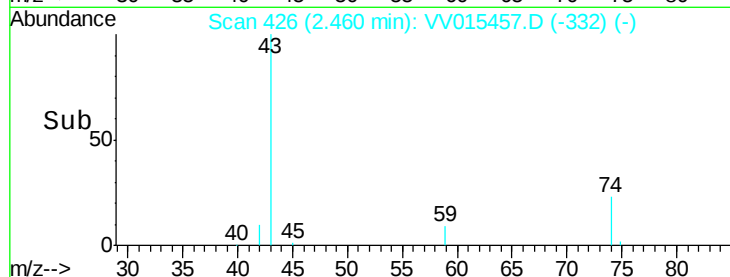
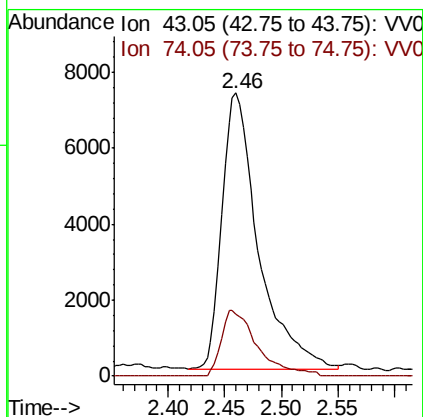
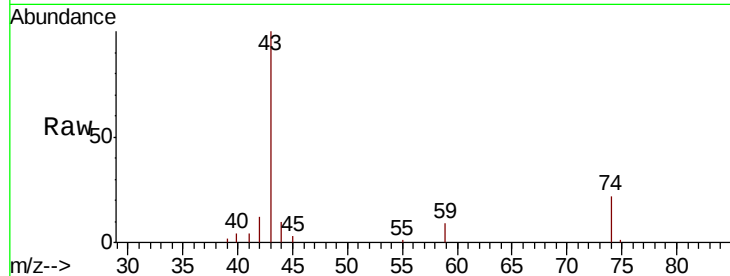




#15
Methvl Acetate
Concen: 4.384 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.00 min
Lab File: VV015457.D
Acq: 14 Apr 2020 10:35

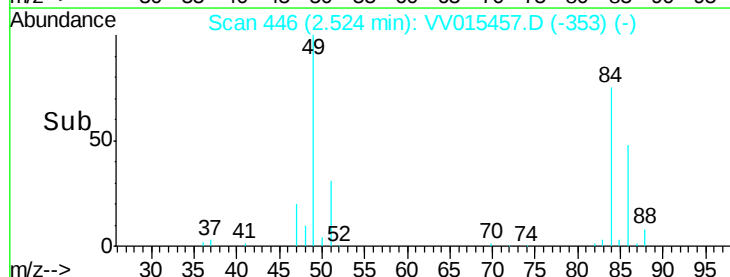
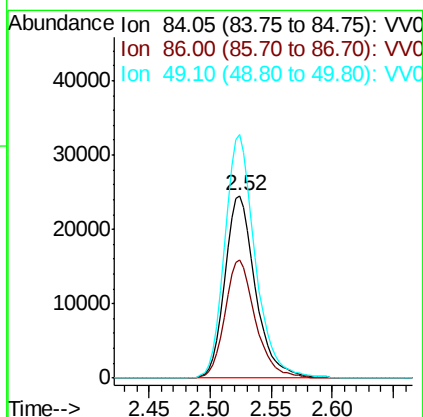
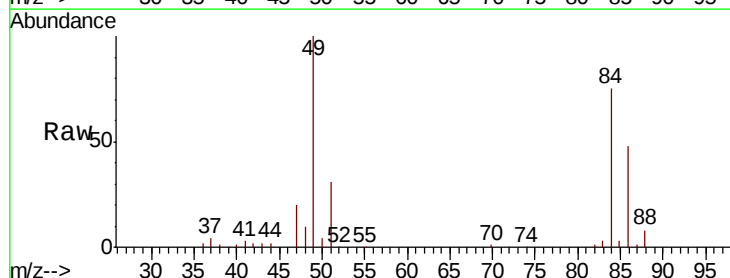
Instrument :
MSVOA_V
ClientSampleId :
BFB34

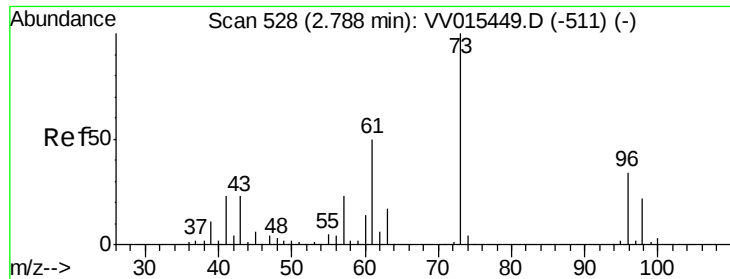
Tot Ion: 43 Resp: 16262
Ion Ratio Lower Upper
43 100
74 23.8 15.4 23.2#



#16
Methylene chloride
Concen: 4.818 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV015457.D
Acq: 14 Apr 2020 10:35

Tgt Ion: 84 Resp: 43164
Ion Ratio Lower Upper
84 100
86 64.5 45.1 83.7
49 133.3 97.9 181.7

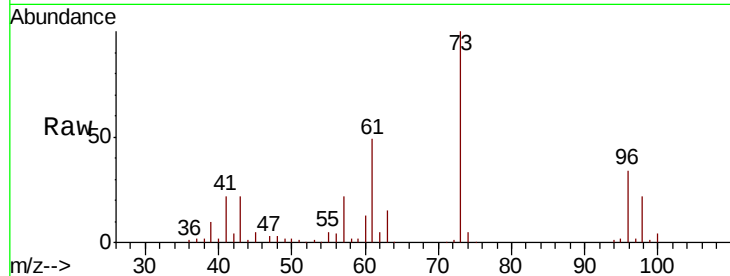




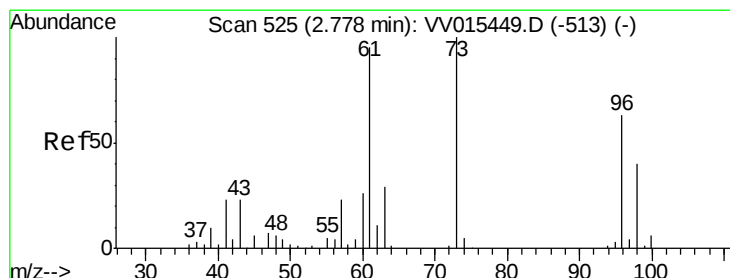
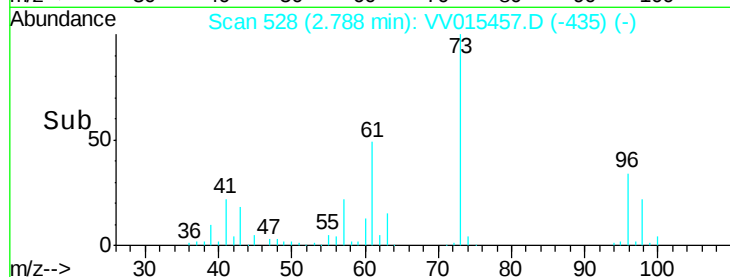
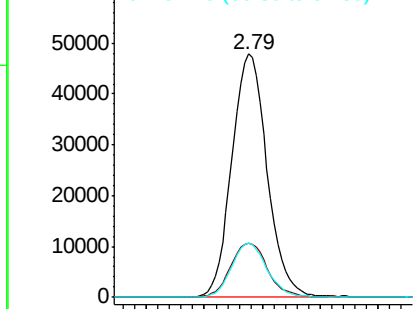
#17
Methvl tert-butvl Ether
Concen: 4.958 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV015457.D
Acq: 14 Apr 2020 10:35

Instrument :
MSVOA_V
ClientSampleId :
BFB34

Tot Ion: 73 Resp: 101323
Ion Ratio Lower Upper
73 100
43 22.9 18.3 27.5
57 22.5 18.4 27.6

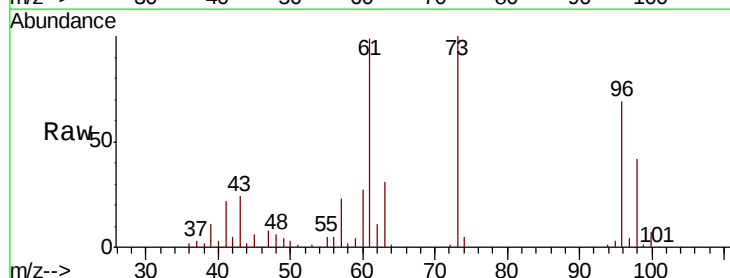


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

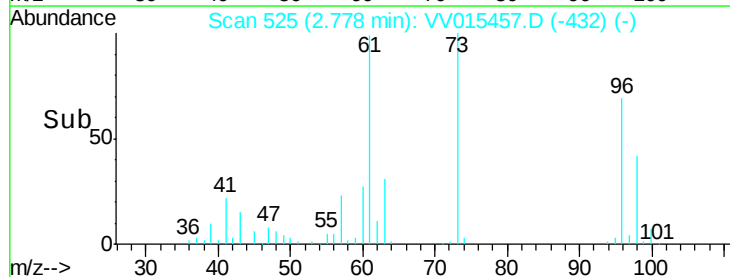
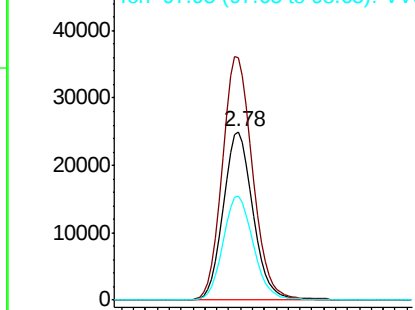


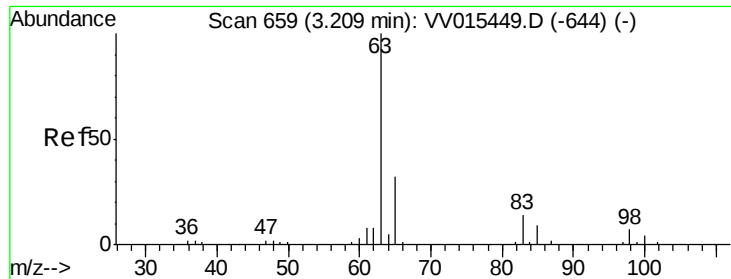
#18
trans-1,2-Dichloroethene
Concen: 5.040 ug/L
RT: 2.78 min Scan# 525
Delta R.T. -0.00 min
Lab File: VV015457.D
Acq: 14 Apr 2020 10:35

Tgt Ion: 96 Resp: 43433
Ion Ratio Lower Upper
96 100
61 143.8 104.4 194.0
98 61.6 42.8 79.4



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

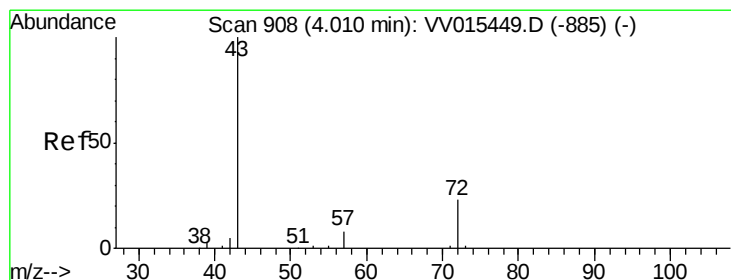
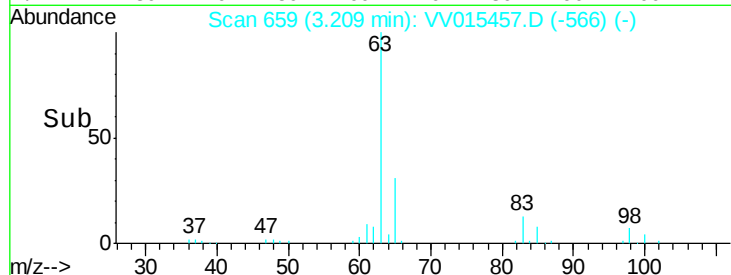
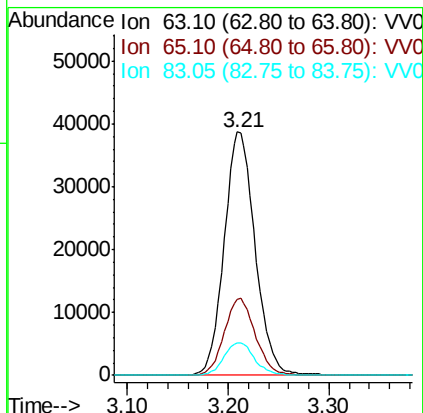
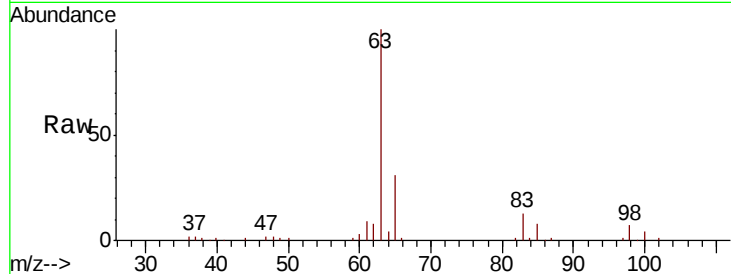




#19
 1,1-Dichloroethane
 Concen: 5.096 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VV015457.D
 Acq: 14 Apr 2020 10:35

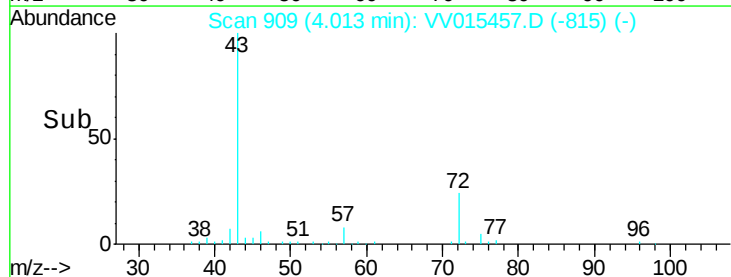
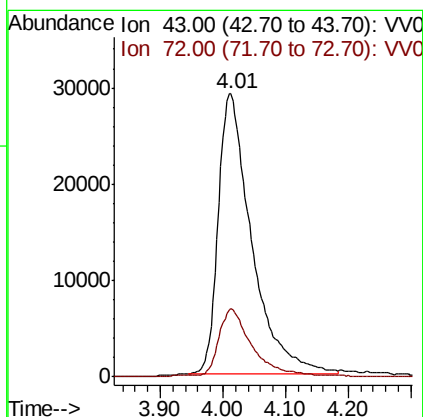
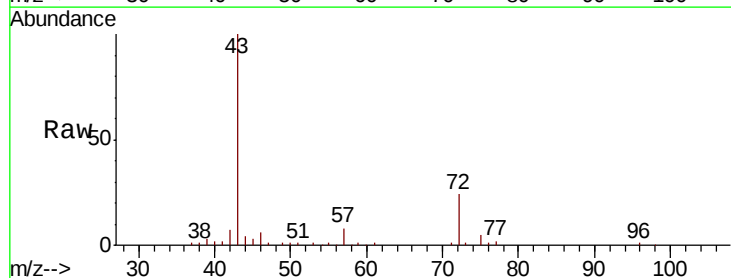
Instrument :
 MSVOA_V
 ClientSampled :
 BFB34

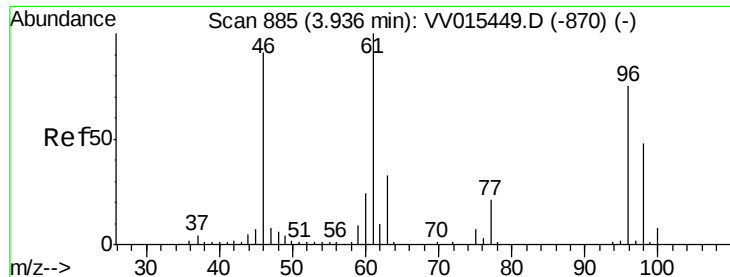
Tot Ion: 63 Resp: 82781
 Ion Ratio Lower Upper
 63 100
 65 31.3 21.3 39.6
 83 13.4 9.4 17.6



#21
 2-Butanone
 Concen: 53.327 ug/L
 RT: 4.01 min Scan# 909
 Delta R.T. 0.00 min
 Lab File: VV015457.D
 Acq: 14 Apr 2020 10:35

Tgt Ion: 43 Resp: 108050
 Ion Ratio Lower Upper
 43 100
 72 23.6 5.9 17.8#



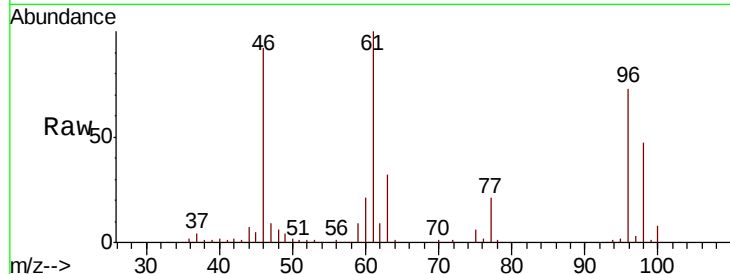


#22

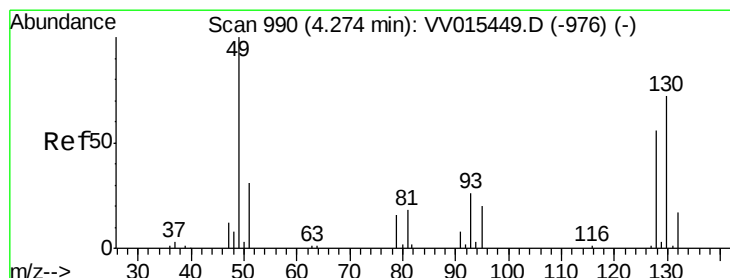
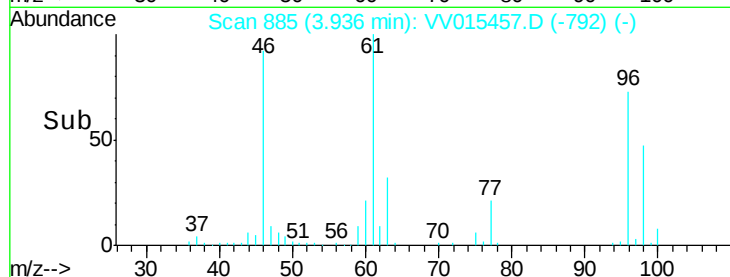
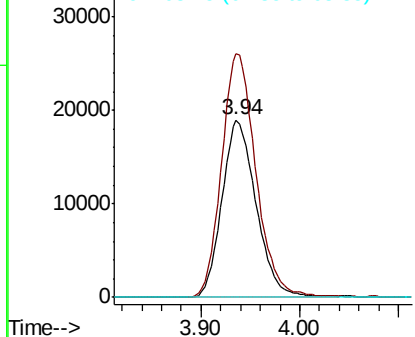
cis-1,2-Dichloroethene
Concen: 5.122 ug/L
RT: 3.94 min Scan# 885
Delta R.T. -0.00 min
Lab File: VV015457.D
Acq: 14 Apr 2020 10:35

Instrument :
MSVOA_V
ClientSampleId :
BFB34

Tot Ion: 96 Resp: 45824
Ion Ratio Lower Upper
96 100
61 137.4 100.0 185.8
68 0.0 0.0 0.0



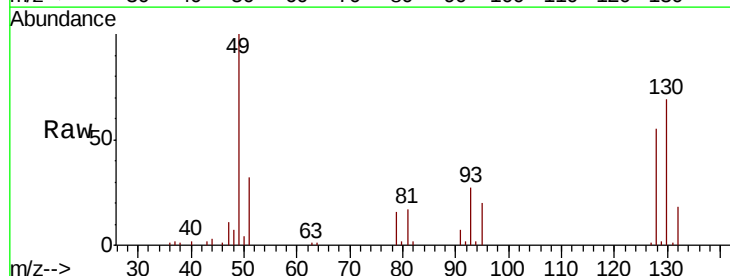
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



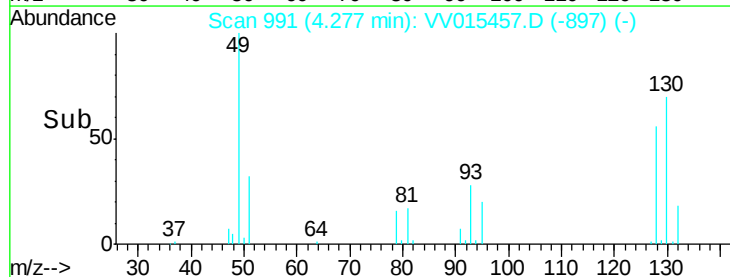
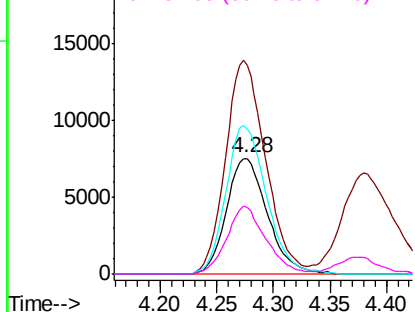
#23

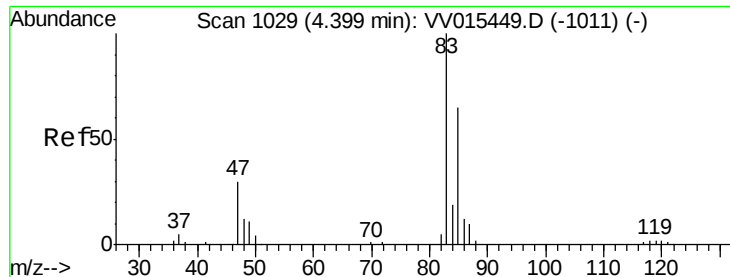
Bromochloromethane
Concen: 5.084 ug/L
RT: 4.28 min Scan# 991
Delta R.T. 0.00 min
Lab File: VV015457.D
Acq: 14 Apr 2020 10:35

Tgt Ion: 128 Resp: 18924
Ion Ratio Lower Upper
128 100
49 180.6 128.8 239.2
130 125.4 93.5 173.7
51 58.0 47.8 71.6



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

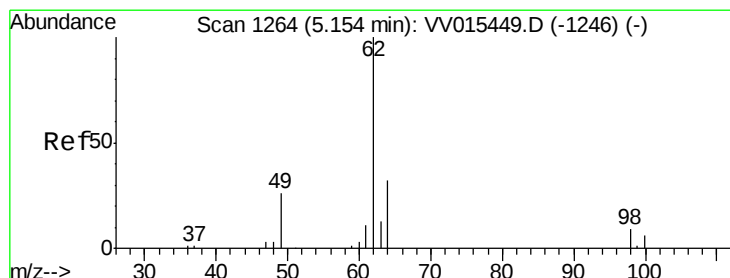
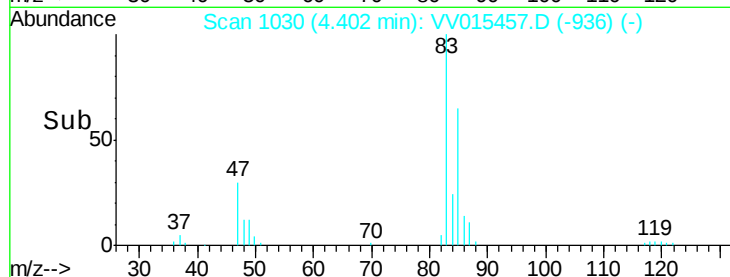
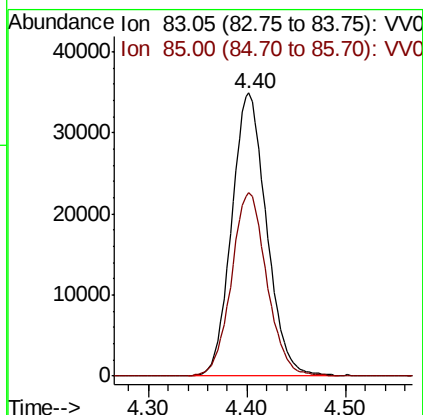
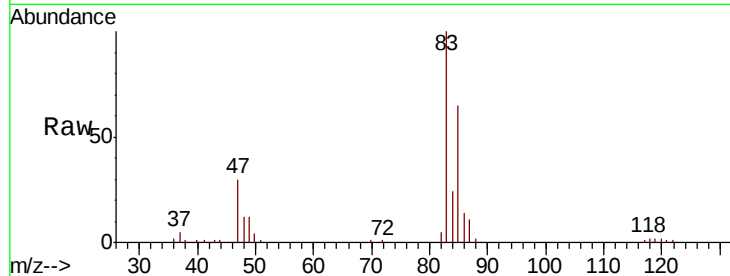




#25
Chloroform
Concen: 5.160 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV015457.D
Acq: 14 Apr 2020 10:35

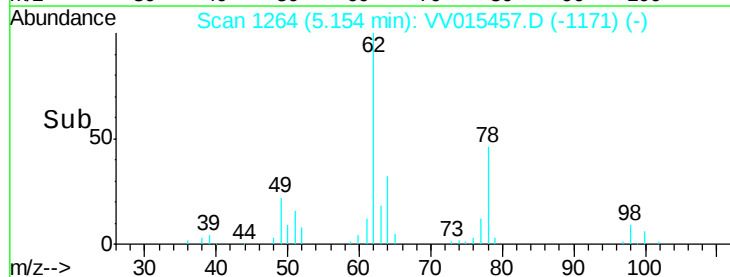
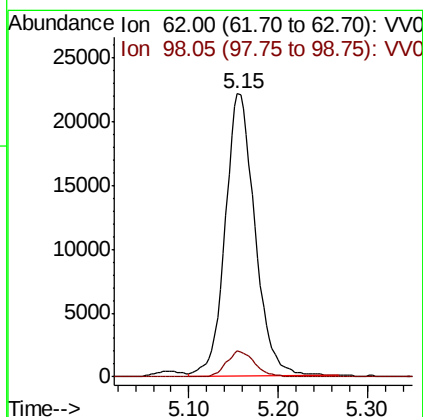
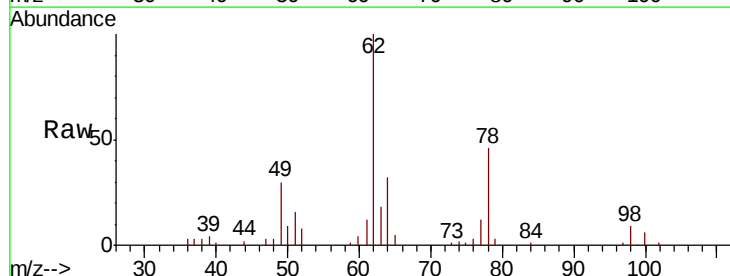
Instrument :
MSVOA_V
ClientSampleId :
BFB34

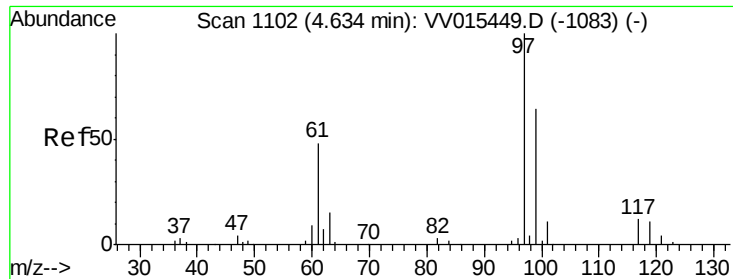
Tot Ion: 83 Resp: 85774
Ion Ratio Lower Upper
83 100
85 64.7 45.9 85.3



#27
1,2-Dichloroethane
Concen: 4.759 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV015457.D
Acq: 14 Apr 2020 10:35

Tgt Ion: 62 Resp: 51145
Ion Ratio Lower Upper
62 100
98 9.1 6.6 10.0

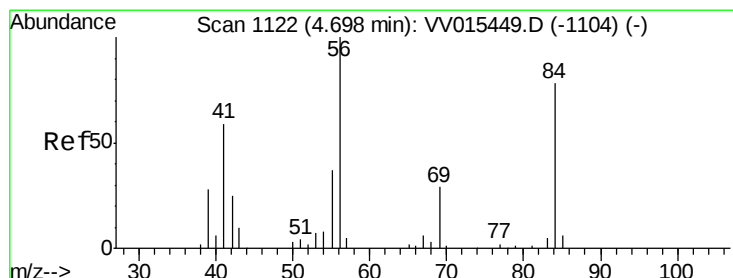
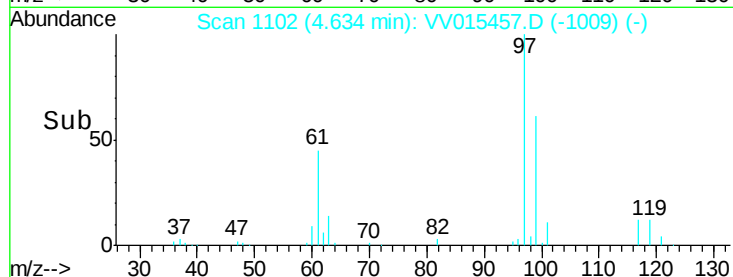
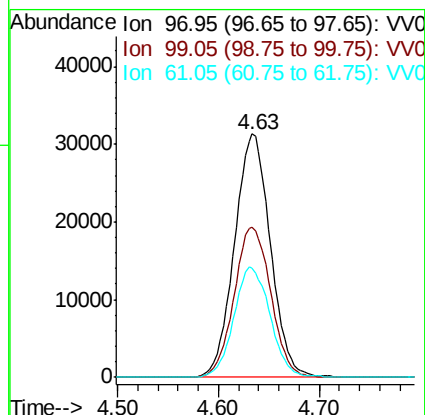
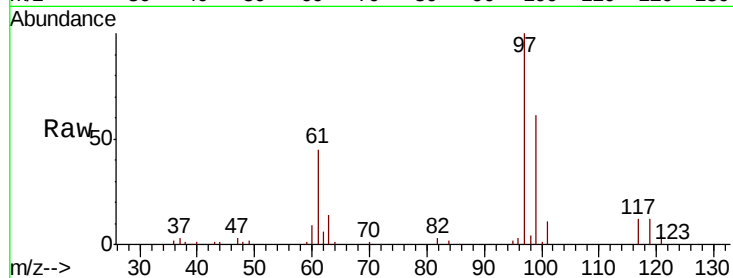




#29
1,1,1-Trichloroethane
Concen: 5.100 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VV015457.D
Acq: 14 Apr 2020 10:35

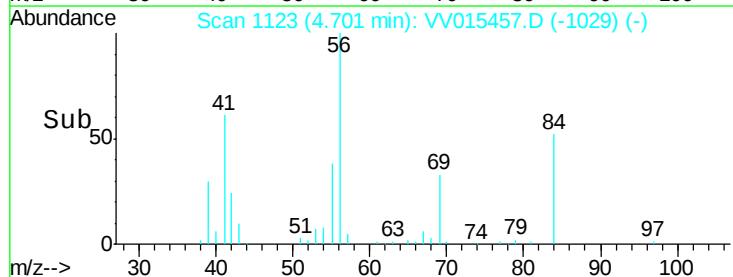
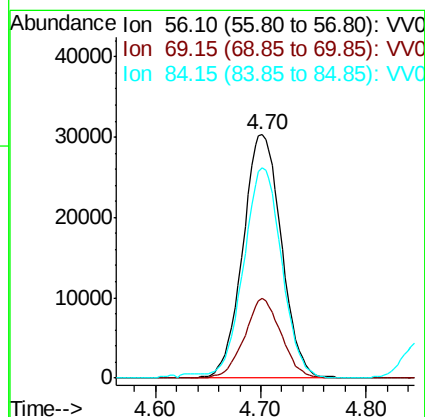
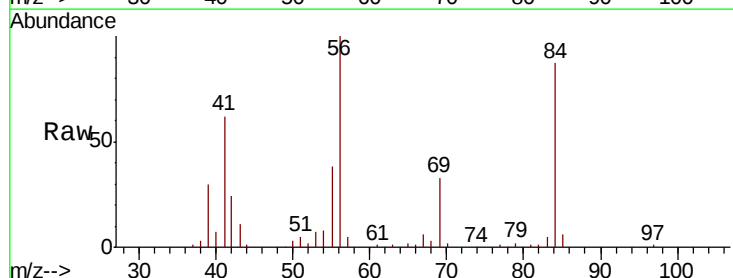
Instrument :
MSVOA_V
ClientSampleId :
BFB34

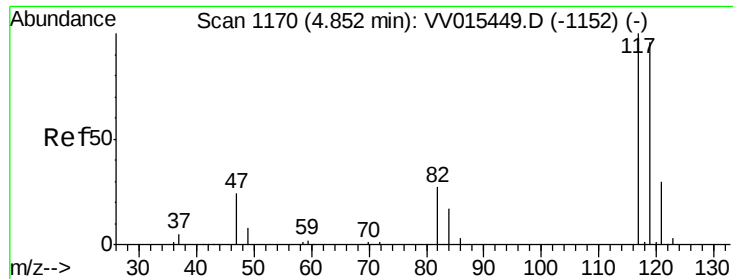
Tot Ion: 97 Resp: 77296
Ion Ratio Lower Upper
97 100
99 63.0 51.6 77.4
61 45.9 39.0 58.6



#30
Cyclohexane
Concen: 4.792 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VV015457.D
Acq: 14 Apr 2020 10:35

Tgt Ion: 56 Resp: 77109
Ion Ratio Lower Upper
56 100
69 31.0 24.2 36.4
84 85.5 68.4 102.6





#31

Carbon tetrachloride

Concen: 5.031 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV015457.D

Acq: 14 Apr 2020 10:35

Instrument :

MSVOA_V

ClientSampleId :

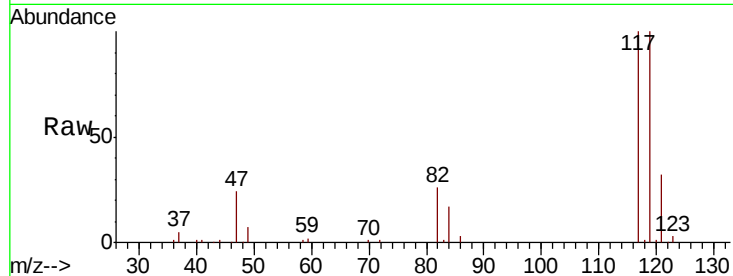
BFB34

Tot Ion:117 Resp: 66358

Ion Ratio Lower Upper

117 100

119 97.0 76.6 115.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.85

30000

25000

20000

15000

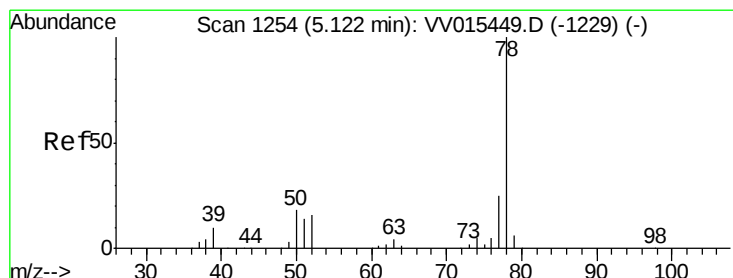
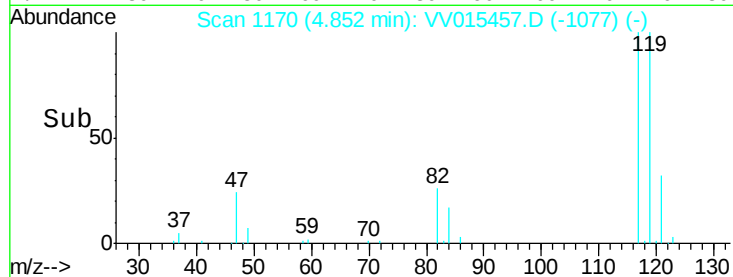
10000

5000

0

Time-->

4.75 4.80 4.85 4.90 4.95



#33

Benzene

Concen: 4.990 ug/L

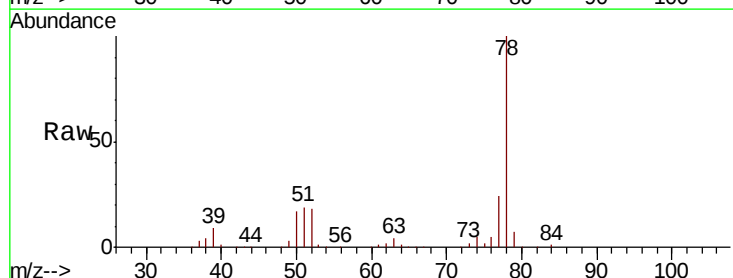
RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VV015457.D

Acq: 14 Apr 2020 10:35

Tgt Ion: 78 Resp: 174443



Abundance Ion 78.10 (77.80 to 78.80): VV0

5.12

80000

60000

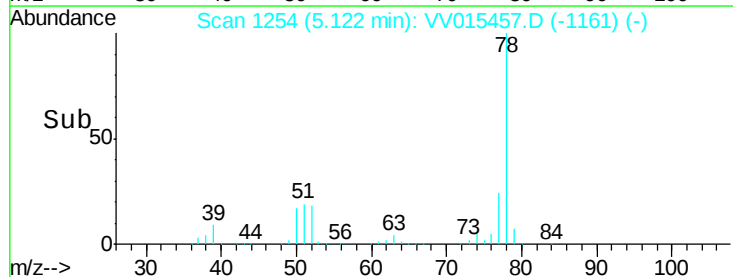
40000

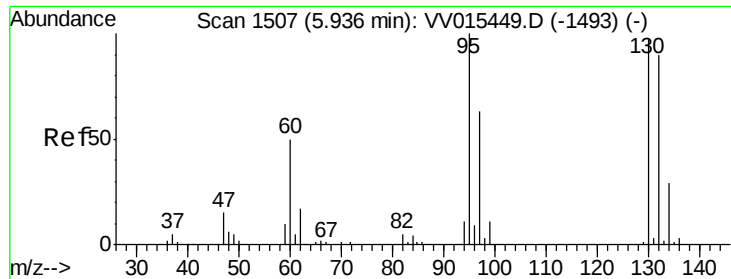
20000

0

Time-->

5.00 5.10 5.20

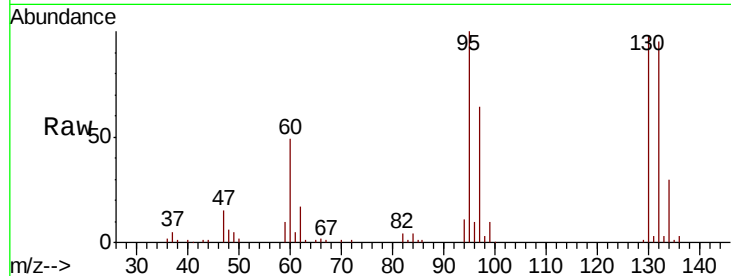




#34
 Trichloroethene
 Concen: 4.987 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VV015457.D
 Acq: 14 Apr 2020 10:35

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB34

Tot Ion:	95	Resp:	46926
Ion	Ratio	Lower	Upper
95	100		
97	63.9	45.4	84.4
132	94.7	64.8	120.4
130	98.1	67.4	125.2

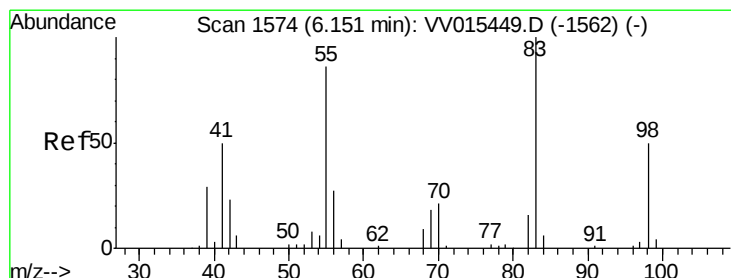
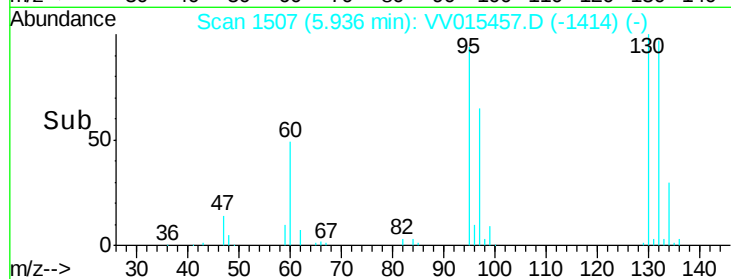
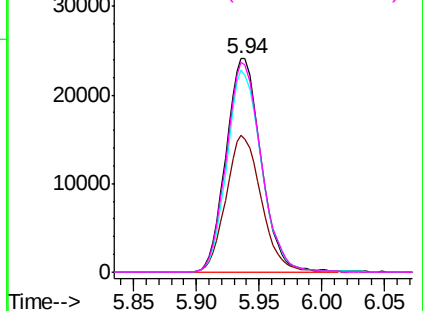


Abundance Ion 95.00 (94.70 to 95.70): VV015457.D (-1414) (-)

Ion 96.95 (96.65 to 97.65): VV015457.D (-1414) (-)

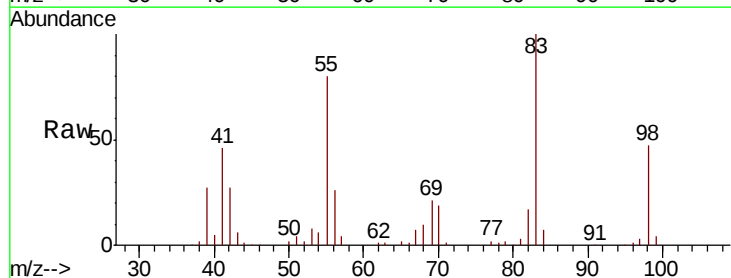
Ion 131.95 (131.65 to 132.65): VV015457.D (-1414) (-)

Ion 129.95 (129.65 to 130.65): VV015457.D (-1414) (-)



#35
 Methylcyclohexane
 Concen: 4.912 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV015457.D
 Acq: 14 Apr 2020 10:35

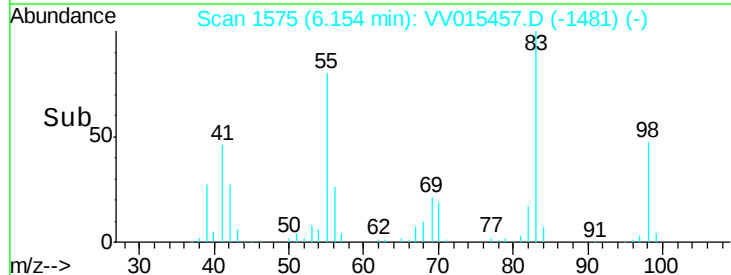
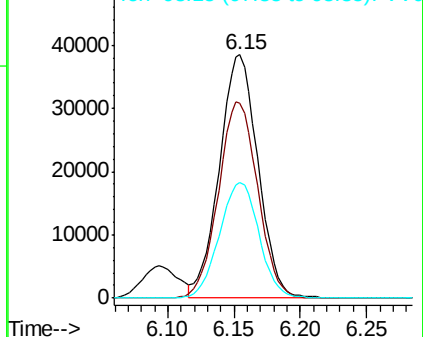
Tgt Ion:	83	Resp:	77874
Ion	Ratio	Lower	Upper
83	100		
55	82.0	66.6	99.8
98	48.7	38.7	58.1

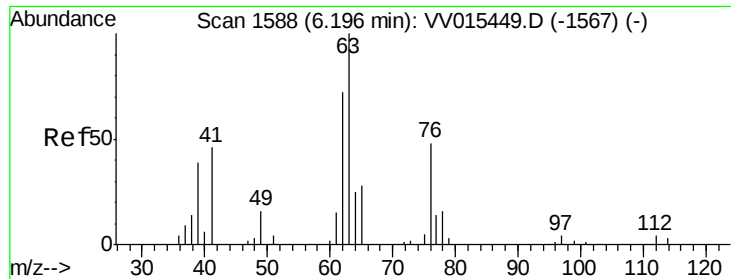


Abundance Ion 83.15 (82.85 to 83.85): VV015457.D (-1481) (-)

Ion 55.10 (54.80 to 55.80): VV015457.D (-1481) (-)

Ion 98.15 (97.85 to 98.85): VV015457.D (-1481) (-)

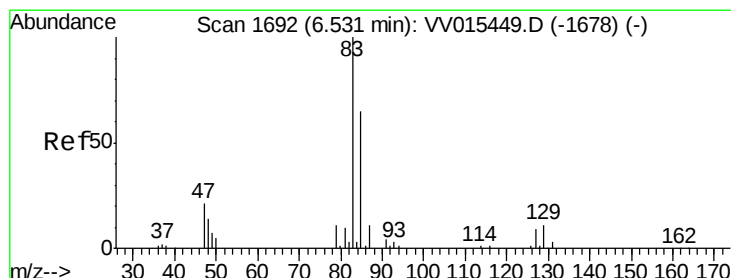
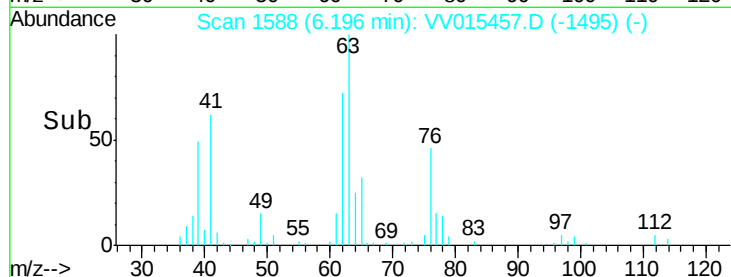
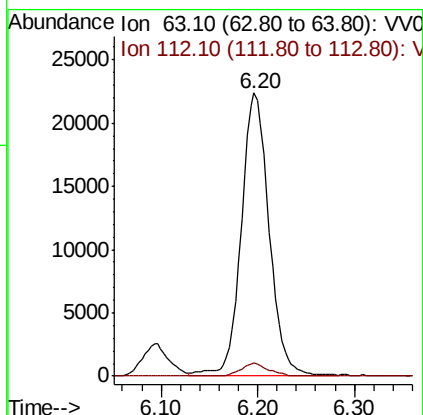
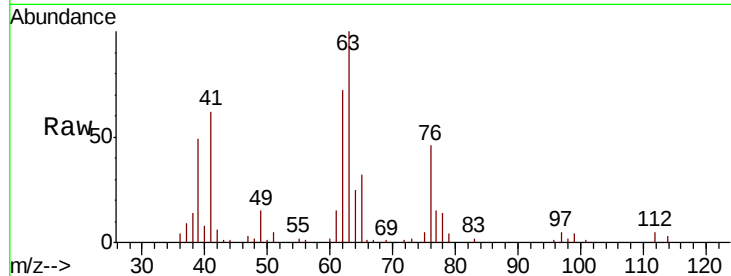




#37
 1,2-Dichloropropane
 Concen: 5.185 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV015457.D
 Acq: 14 Apr 2020 10:35

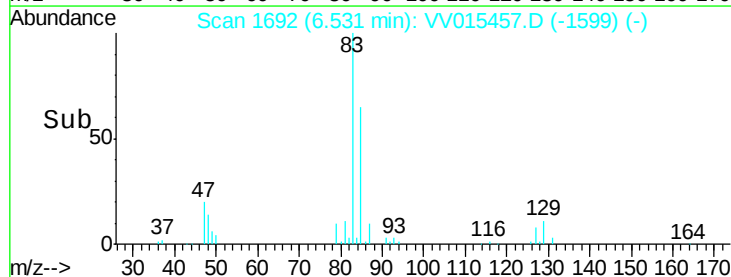
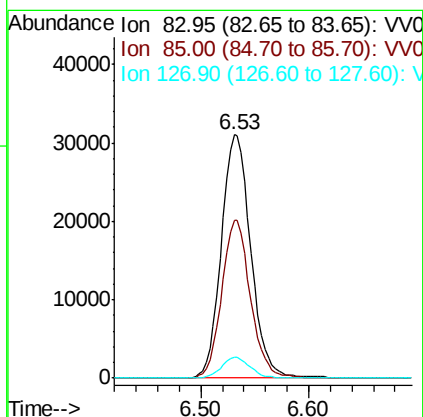
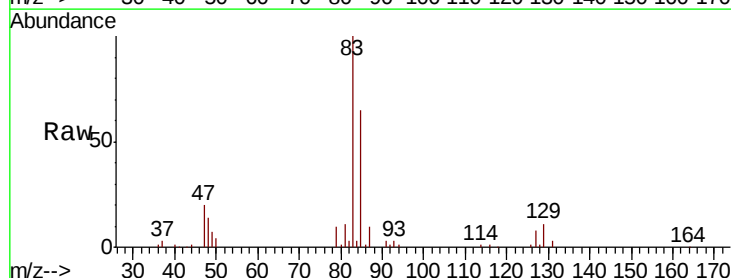
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB34

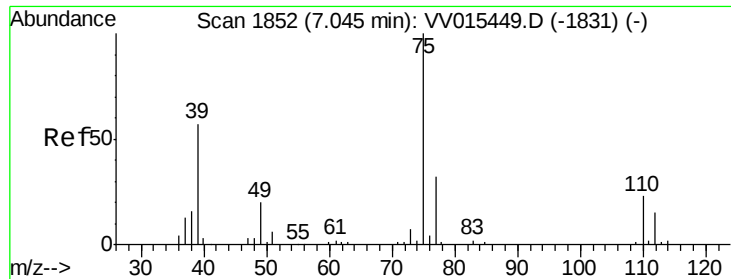
Tot Ion: 63 Resp: 44957
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.6 5.4



#38
 Bromodichloromethane
 Concen: 5.094 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV015457.D
 Acq: 14 Apr 2020 10:35

Tgt Ion: 83 Resp: 58899
 Ion Ratio Lower Upper
 83 100
 85 65.0 42.6 79.2
 127 8.5 6.6 9.8

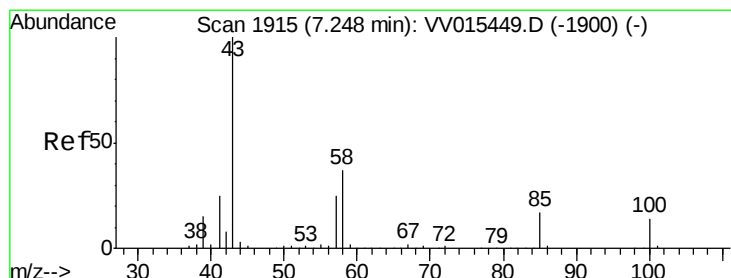
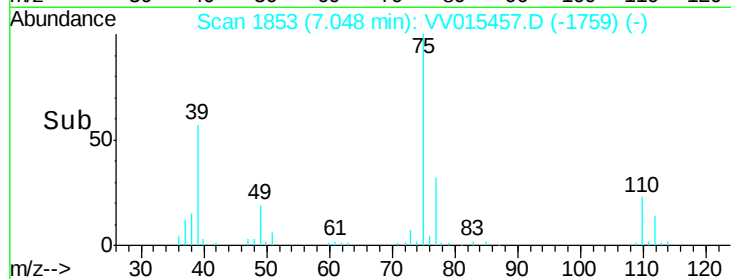
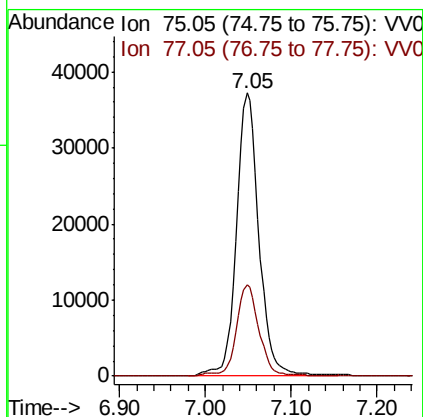
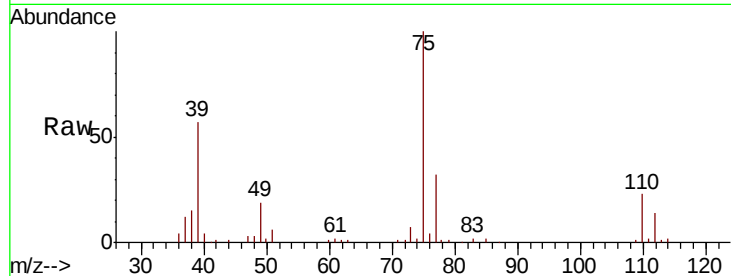




#39
 cis-1,3-Dichloropropene
 Concen: 5.082 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV015457.D
 Acq: 14 Apr 2020 10:35

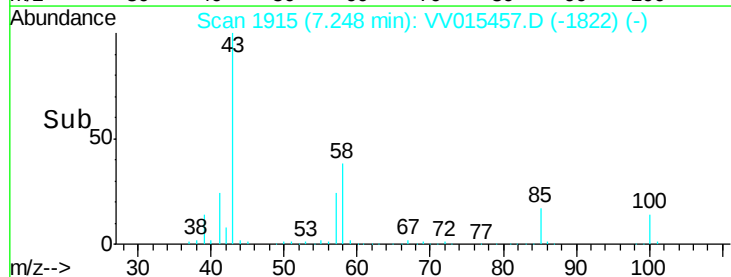
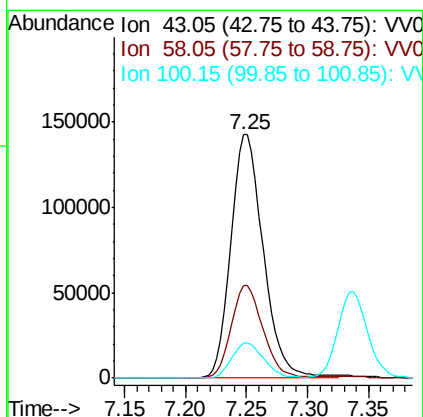
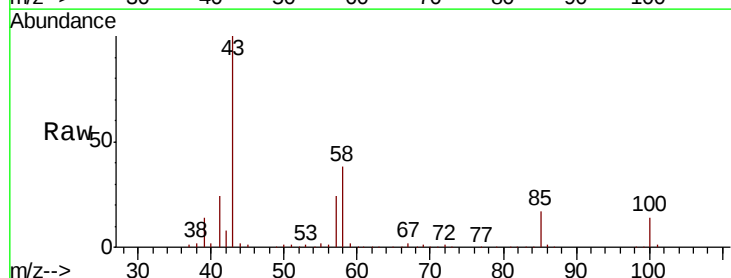
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB34

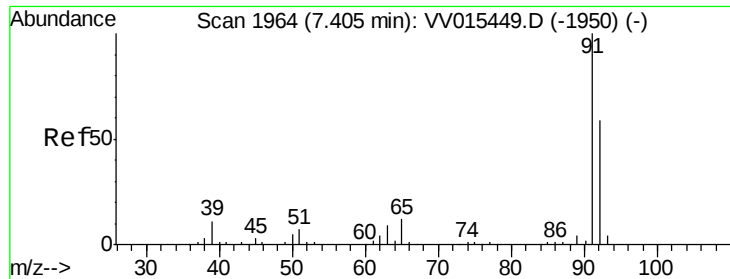
Tot Ion: 75 Resp: 67620
 Ion Ratio Lower Upper
 75 100
 77 32.3 23.0 42.6



#40
 4-Methyl-2-pentanone
 Concen: 46.480 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VV015457.D
 Acq: 14 Apr 2020 10:35

Tgt Ion: 43 Resp: 264644
 Ion Ratio Lower Upper
 43 100
 58 37.4 29.0 43.6
 100 14.3 11.0 16.6





#42

Toluene

Concen: 5.004 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV015457.D

Acq: 14 Apr 2020 10:35

Instrument :

MSVOA_V

ClientSampleId :

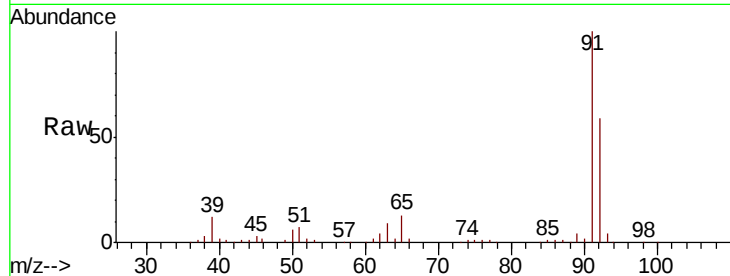
BFB34

Tot Ion: 91 Resp: 189914

Ion Ratio Lower Upper

91 100

92 59.4 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VV015449.D (-1950) (-)

Ion 92.15 (91.85 to 92.85): VV015449.D (-1950) (-)

7.41

120000

100000

80000

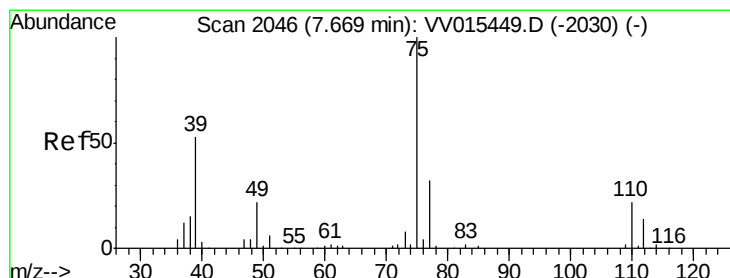
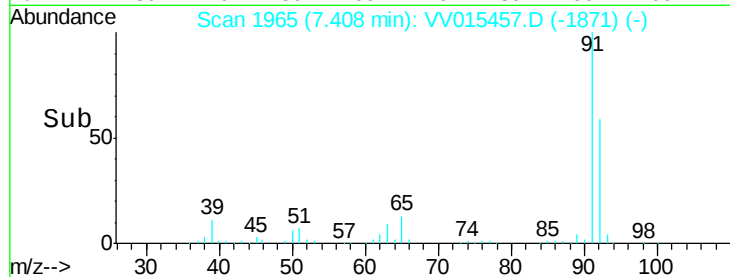
60000

40000

20000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.096 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV015457.D

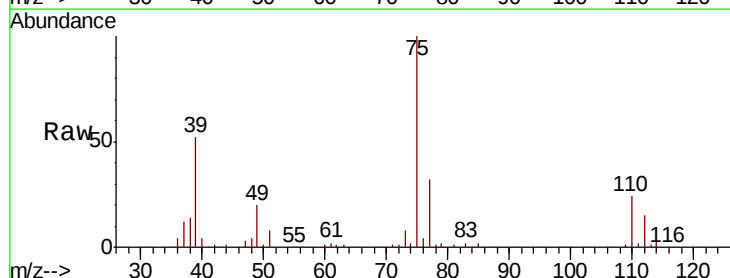
Acq: 14 Apr 2020 10:35

Tgt Ion: 75 Resp: 57339

Ion Ratio Lower Upper

75 100

77 31.9 21.0 39.0



Abundance Ion 75.05 (74.75 to 75.75): VV015449.D (-2030) (-)

Ion 77.05 (76.75 to 77.75): VV015449.D (-2030) (-)

7.67

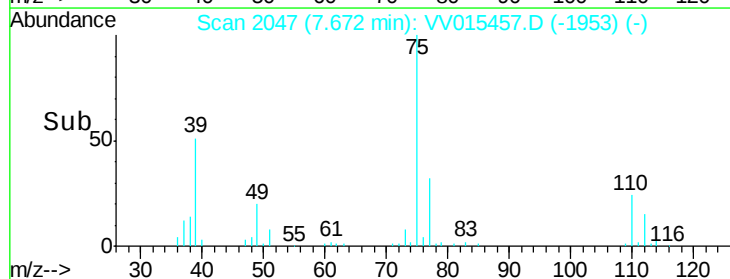
30000

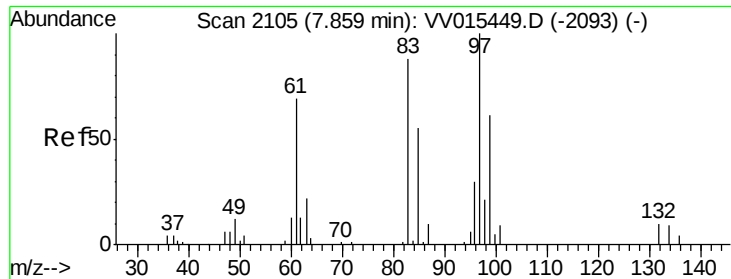
20000

10000

0

Time-->

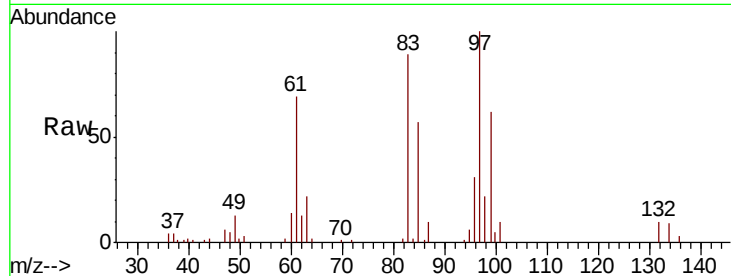




#45
 1,1,2-Trichloroethane
 Concen: 4.947 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VV015457.D
 Acq: 14 Apr 2020 10:35

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB34

Tot Ion:	97	Resp:	28833
Ion	Ratio	Lower	Upper
97	100		
99	62.4	41.3	76.7
83	89.1	60.5	112.3
85	57.0	36.8	68.4



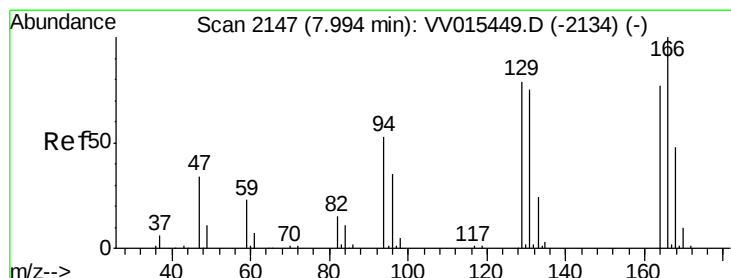
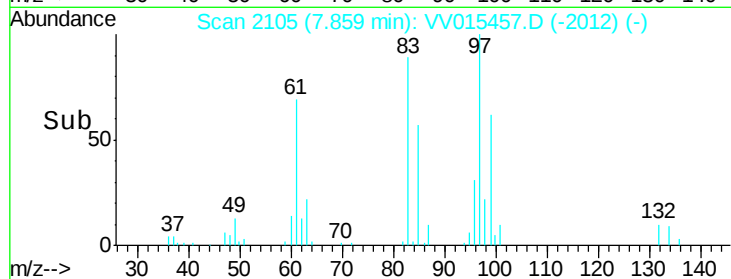
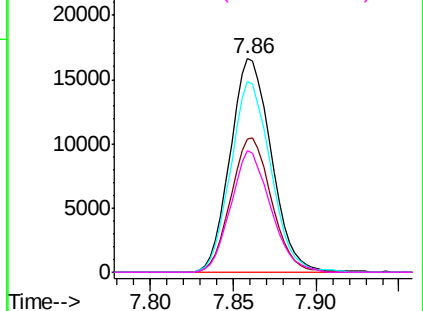
Abundance

Ion 96.95 (96.65 to 97.65): VV015457.D (-2012) (-)

Ion 99.05 (98.75 to 99.75): VV015457.D (-2012) (-)

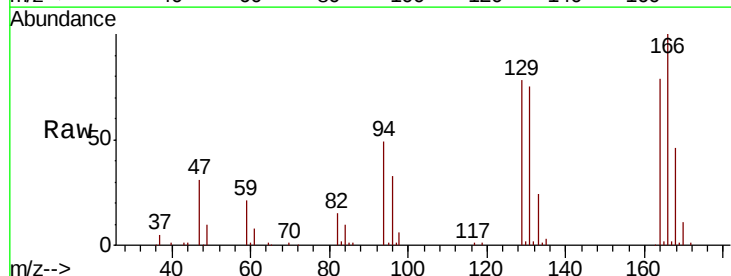
Ion 82.95 (82.65 to 83.65): VV015457.D (-2012) (-)

Ion 85.00 (84.70 to 85.70): VV015457.D (-2012) (-)



#47
 Tetrachloroethene
 Concen: 5.103 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV015457.D
 Acq: 14 Apr 2020 10:35

Tgt Ion:	164	Resp:	35579
Ion	Ratio	Lower	Upper
164	100		
129	98.3	70.6	131.0
131	95.3	68.3	126.8
166	126.6	88.3	163.9



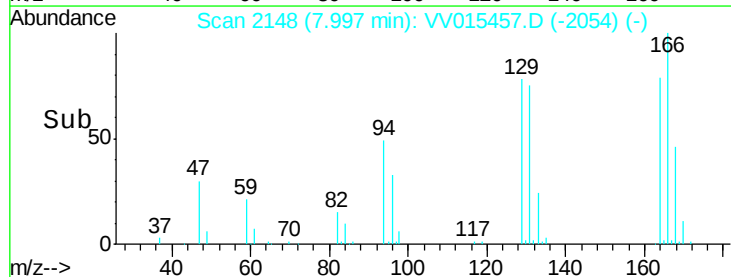
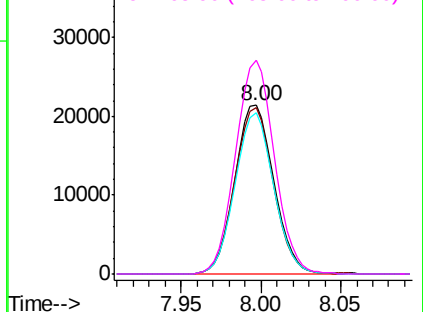
Abundance

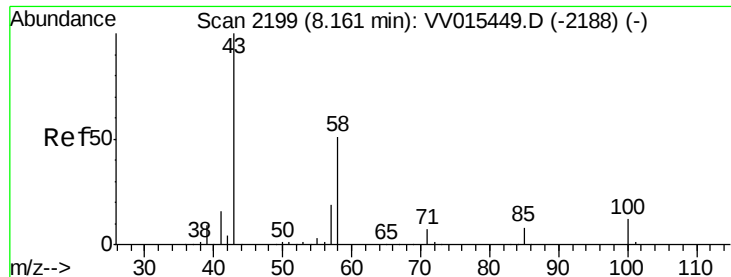
Ion 163.90 (163.60 to 164.60): VV015457.D (-2054) (-)

Ion 128.95 (128.65 to 129.65): VV015457.D (-2054) (-)

Ion 130.95 (130.65 to 131.65): VV015457.D (-2054) (-)

Ion 165.90 (165.60 to 166.60): VV015457.D (-2054) (-)

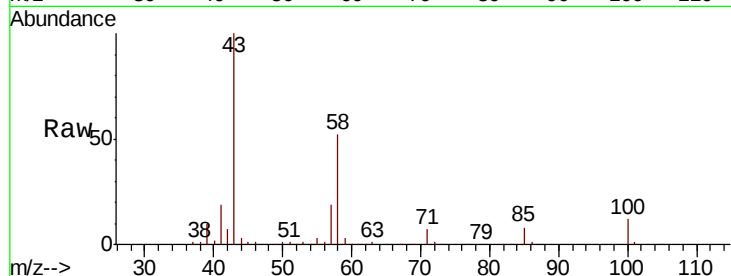




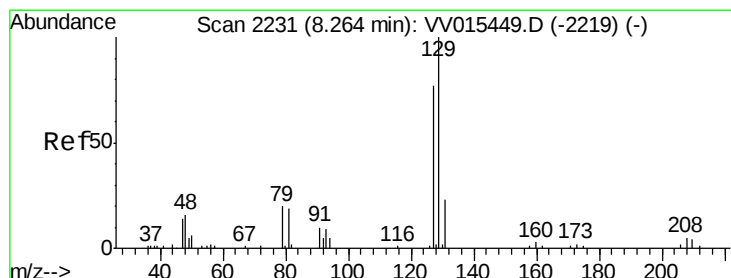
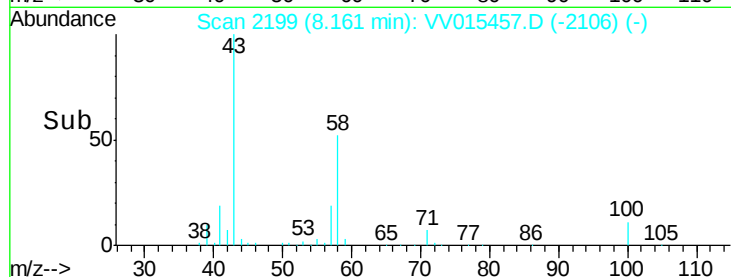
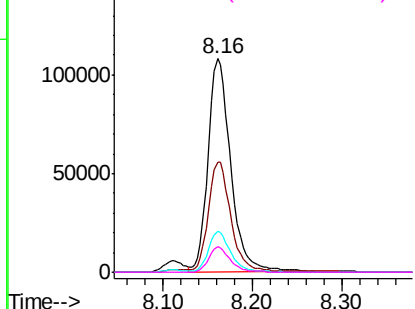
#48
2-Hexanone
Concen: 47.905 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. -0.00 min
Lab File: VV015457.D
Acq: 14 Apr 2020 10:35

Instrument :
MSVOA_V
ClientSampleId :
BFB34

Tot Ion: 43 Resp: 190577
Ion Ratio Lower Upper
43 100
58 51.5 41.4 62.0
57 18.4 15.0 22.4
100 11.5 9.4 14.2

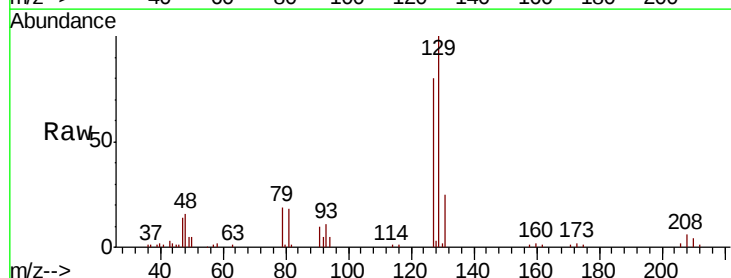


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

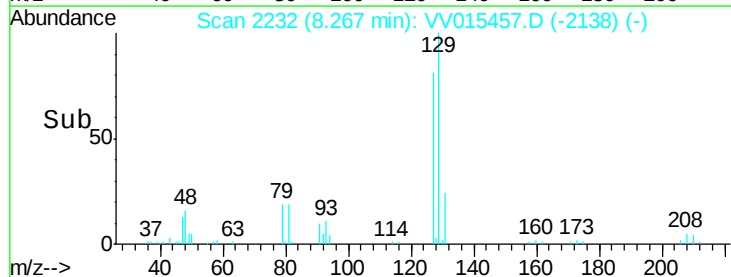
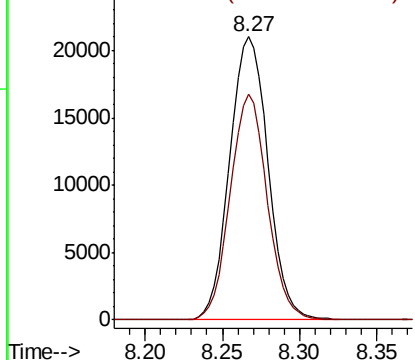


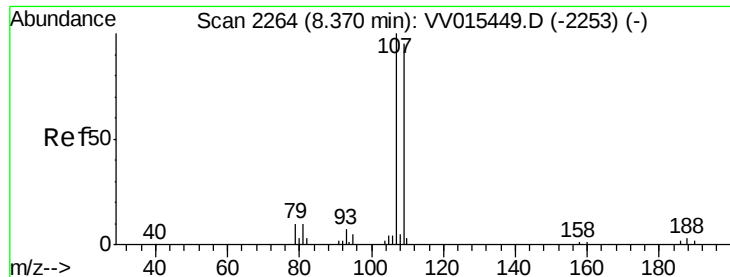
#49
Dibromochloromethane
Concen: 5.181 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV015457.D
Acq: 14 Apr 2020 10:35

Tgt Ion: 129 Resp: 36174
Ion Ratio Lower Upper
129 100
127 79.7 54.7 101.7



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

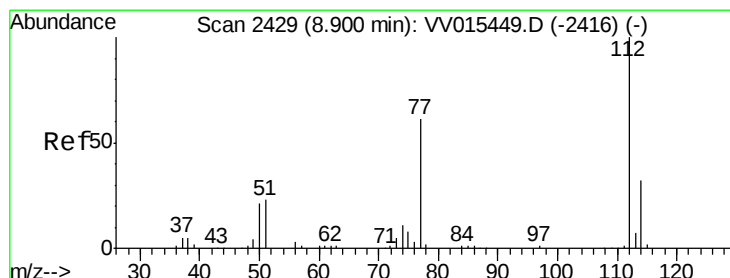
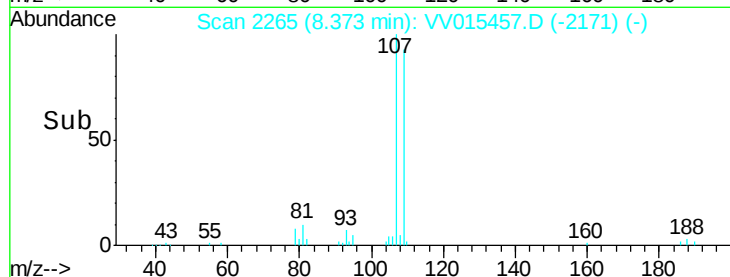
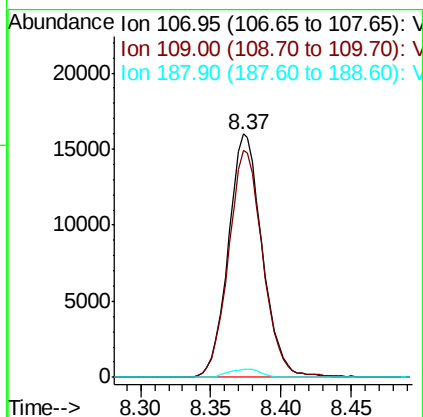
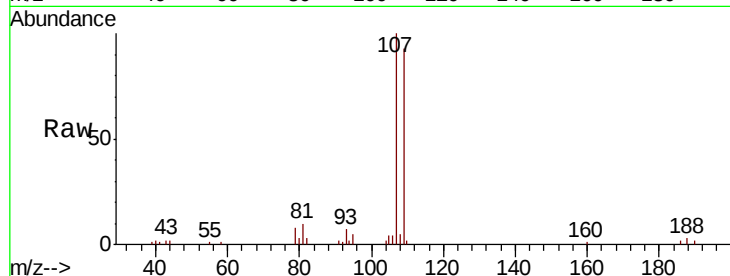




#50
1,2-Dibromoethane
Concen: 4.812 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV015457.D
Acq: 14 Apr 2020 10:35

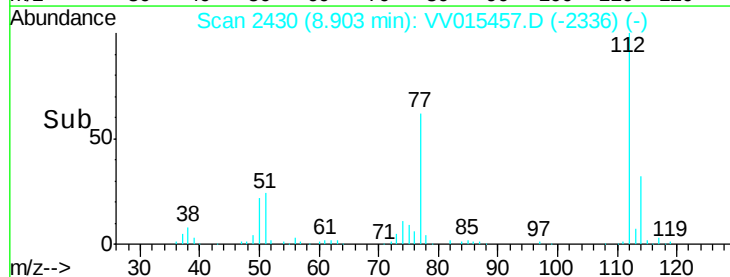
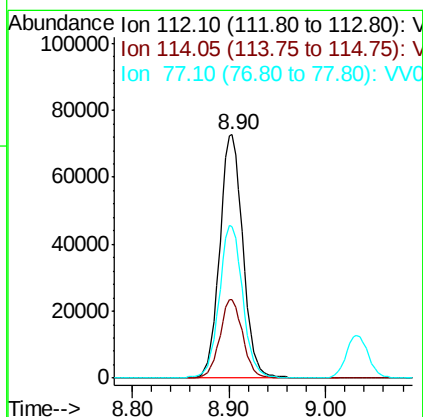
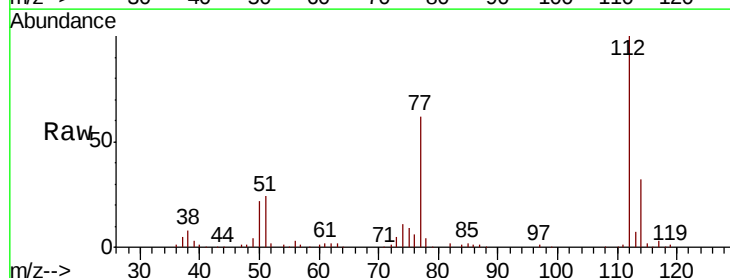
Instrument :
MSVOA_V
ClientSampleId :
BFB34

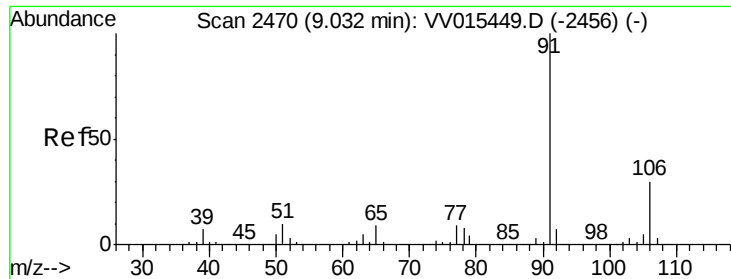
Tot Ion:107 Resp: 26881
Ion Ratio Lower Upper
107 100
109 93.1 66.7 123.9
188 3.3 2.9 4.3



#51
Chlorobenzene
Concen: 4.995 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV015457.D
Acq: 14 Apr 2020 10:35

Tgt Ion:112 Resp: 120845
Ion Ratio Lower Upper
112 100
114 32.0 22.9 42.5
77 62.5 49.8 74.8





#52

Ethylbenzene

Concen: 5.102 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV015457.D

Acq: 14 Apr 2020 10:35

Instrument :

MSVOA_V

ClientSampleId :

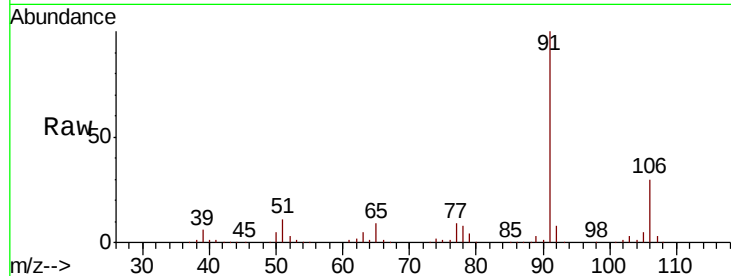
BFB34

Tot Ion: 91 Resp: 222904

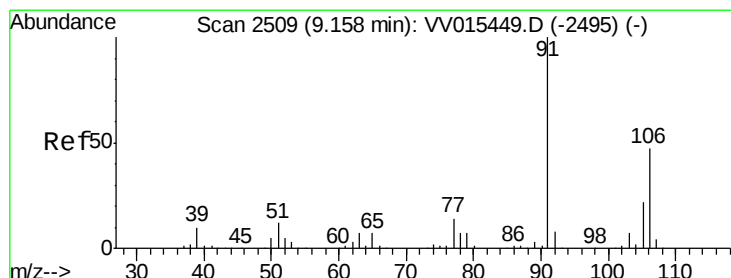
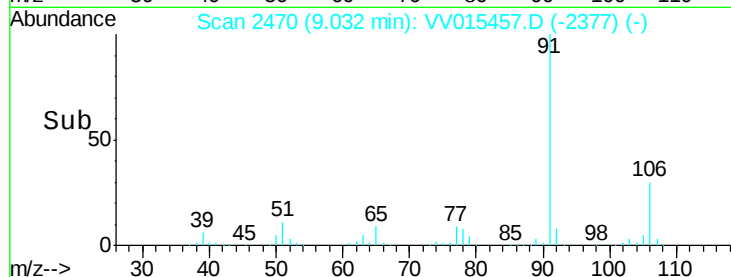
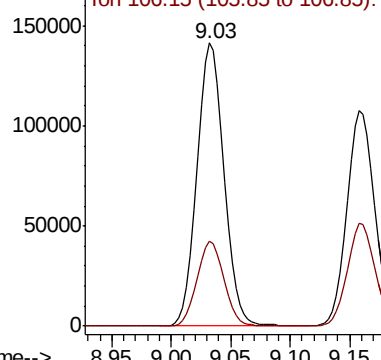
Ion Ratio Lower Upper

91 100

106 29.8 20.8 38.6



Abundance Ion 91.15 (90.85 to 91.85): VV015457.D (-2377) (-)



#53

m,p-xylene

Concen: 5.071 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV015457.D

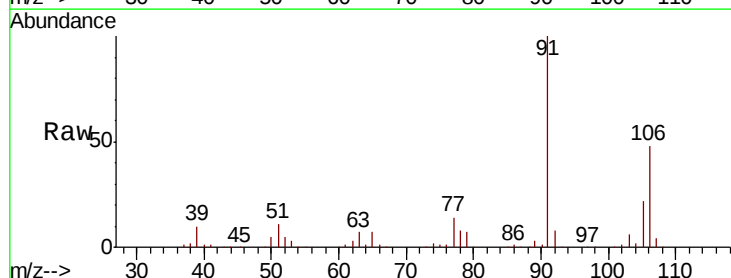
Acq: 14 Apr 2020 10:35

Tgt Ion: 106 Resp: 83671

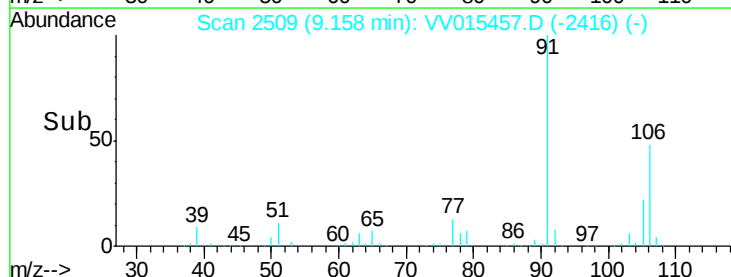
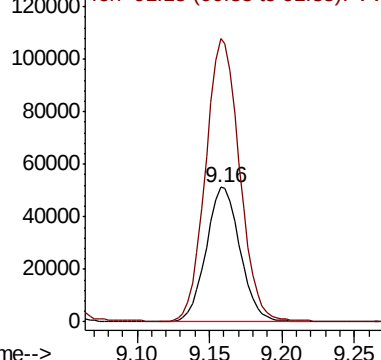
Ion Ratio Lower Upper

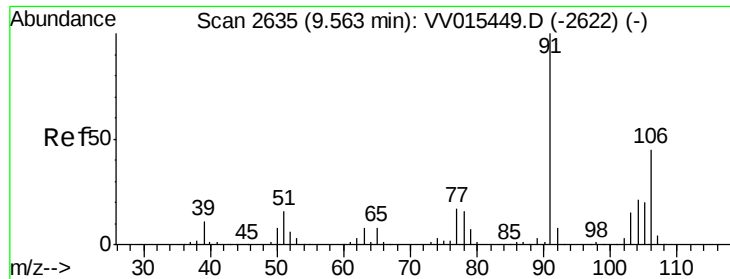
106 100

91 210.4 147.9 274.7



Abundance Ion 106.15 (105.85 to 106.85): VV015457.D (-2416) (-)

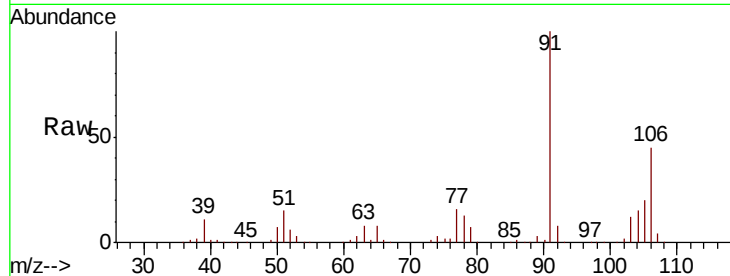




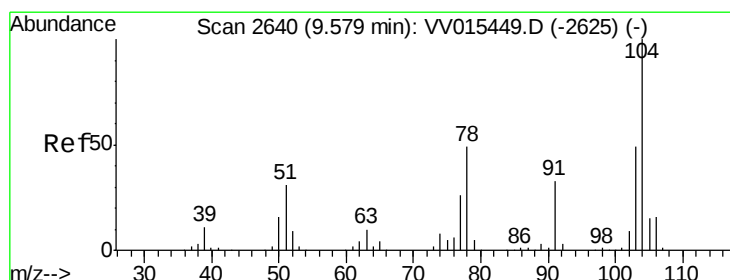
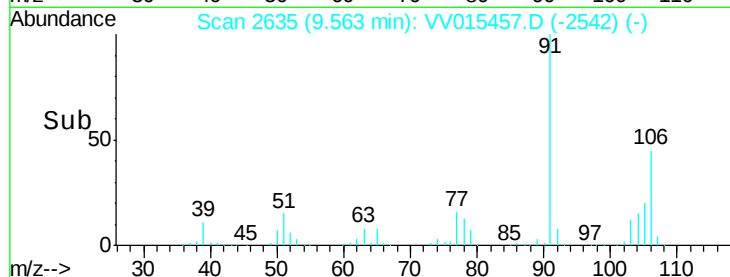
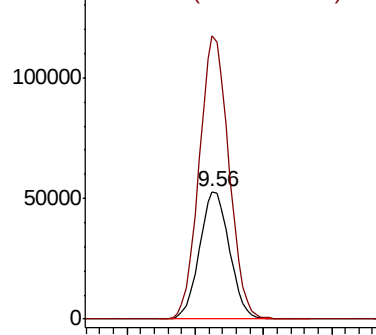
#54
o-xylene
Concen: 5.058 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV015457.D
Acq: 14 Apr 2020 10:35

Instrument :
MSVOA_V
ClientSampled :
BFB34

Tot Ion:106 Resp: 80788
Ion Ratio Lower Upper
106 100
91 222.1 154.5 286.9

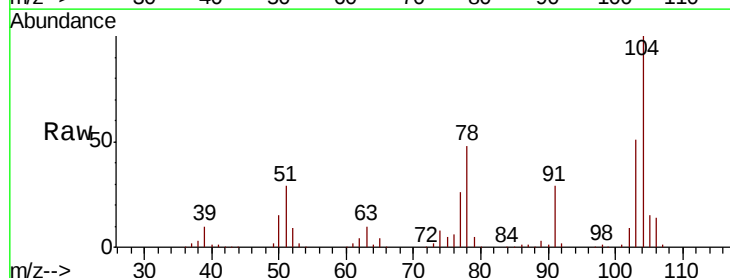


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

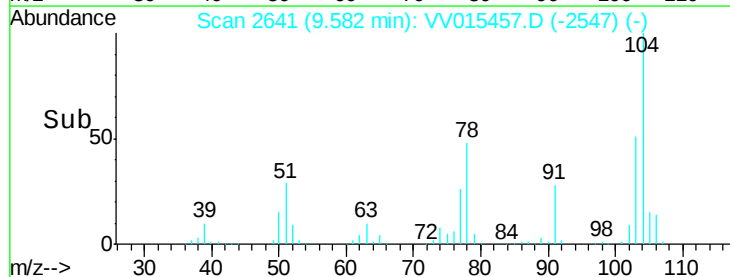
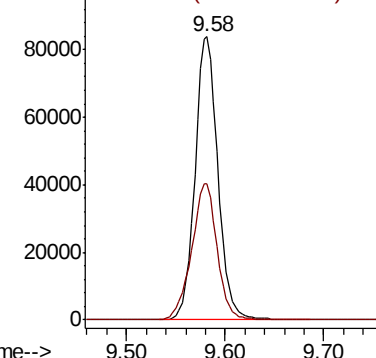


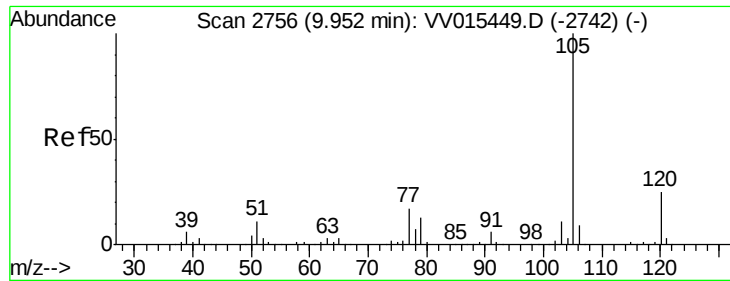
#55
Styrene
Concen: 5.049 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV015457.D
Acq: 14 Apr 2020 10:35

Tgt Ion:104 Resp: 135548
Ion Ratio Lower Upper
104 100
78 48.0 33.5 62.3



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





#56

Isopropylbenzene

Concen: 5.058 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV015457.D

Acq: 14 Apr 2020 10:35

Instrument :

MSVOA_V

ClientSampleId :

BFB34

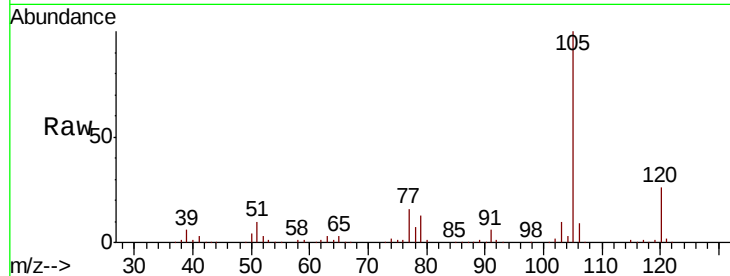
Tot Ion:105 Resp: 221479

Ion Ratio Lower Upper

105 100

120 25.8 20.7 31.1

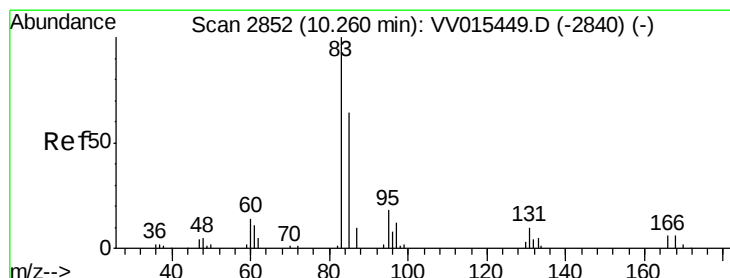
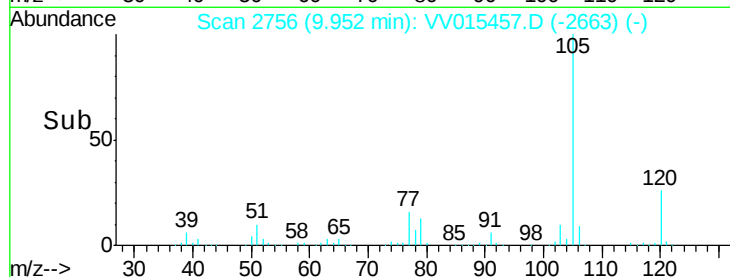
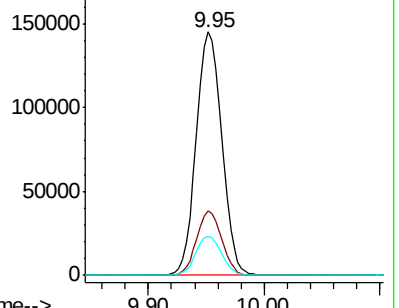
77 16.4 13.5 20.3



Abundance Ion 105.05 (104.75 to 105.75): VV015449.D (-2742) (-)

Ion 120.10 (119.80 to 120.80): VV015449.D (-2742) (-)

Ion 77.10 (76.80 to 77.80): VV015449.D (-2742) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 4.804 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV015457.D

Acq: 14 Apr 2020 10:35

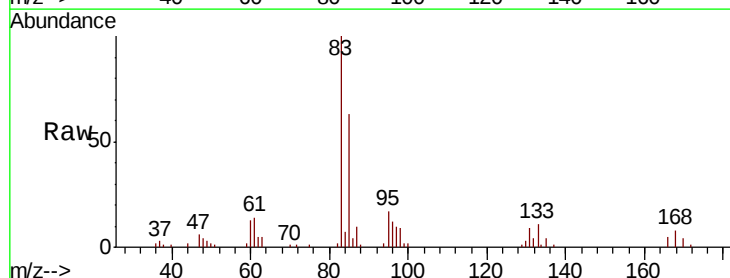
Tgt Ion: 83 Resp: 34082

Ion Ratio Lower Upper

83 100

85 63.4 44.5 82.7

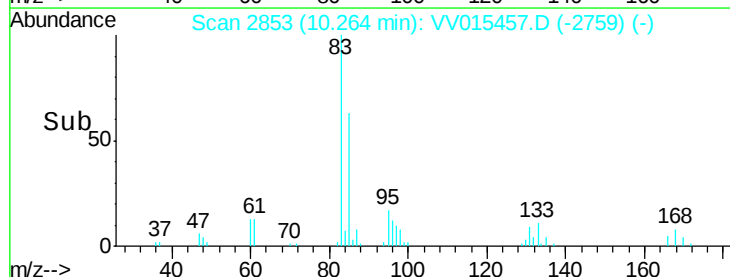
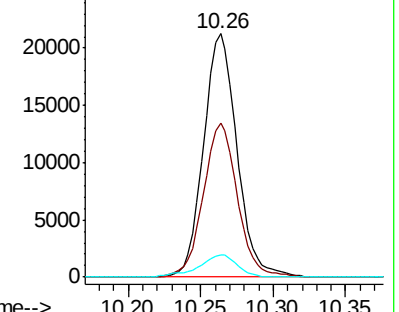
131 9.4 7.5 11.3

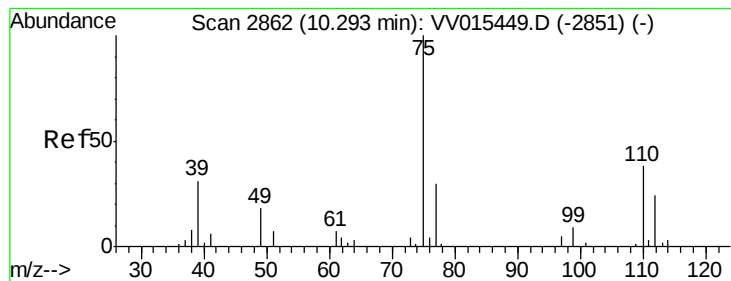


Abundance Ion 82.95 (82.65 to 83.65): VV015449.D (-2840) (-)

Ion 85.00 (84.70 to 85.70): VV015449.D (-2840) (-)

Ion 130.95 (130.65 to 131.65): VV015449.D (-2840) (-)





#59

1,2,3-Trichloropropane

Concen: 4.735 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV015457.D

Acq: 14 Apr 2020 10:35

Instrument :

MSVOA_V

ClientSampleId :

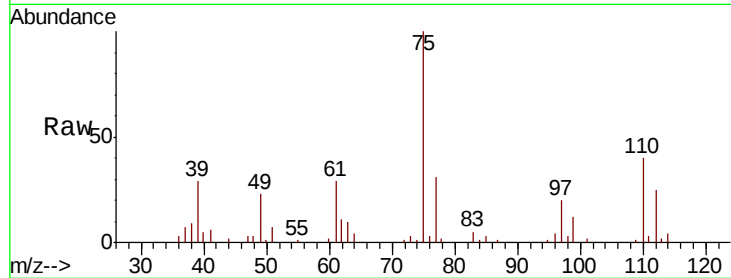
BFB34

Tot Ion: 75 Resp: 25386

Ion Ratio Lower Upper

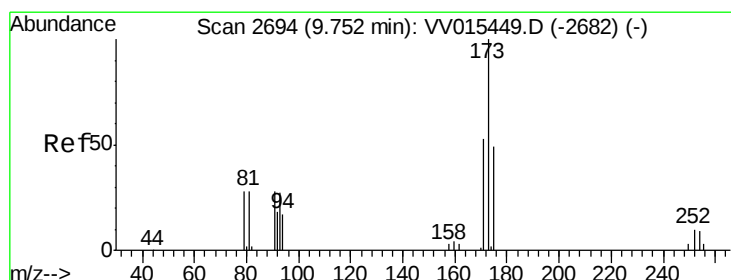
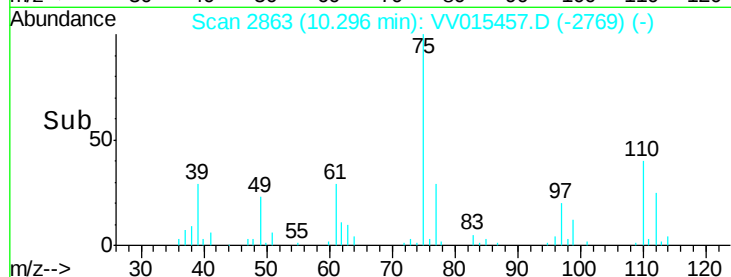
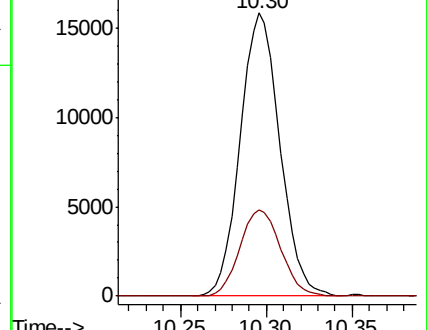
75 100

77 31.5 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VV015449.D (-2851) (-)

Ion 77.00 (76.70 to 77.70): VV015449.D (-2851) (-)



#61

Bromoform

Concen: 5.143 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV015457.D

Acq: 14 Apr 2020 10:35

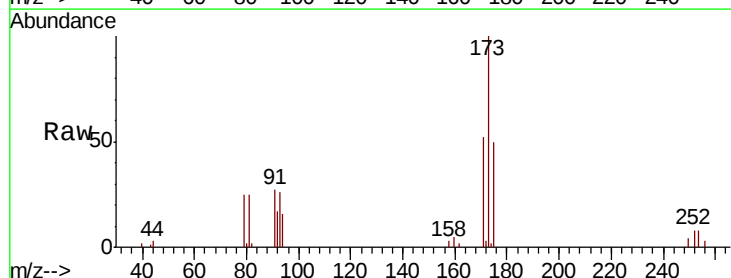
Tgt Ion: 173 Resp: 17917

Ion Ratio Lower Upper

173 100

175 49.0 38.2 57.2

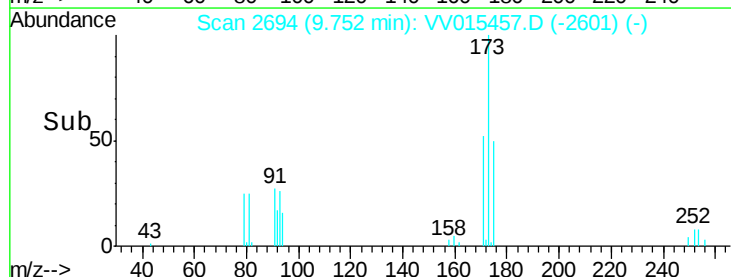
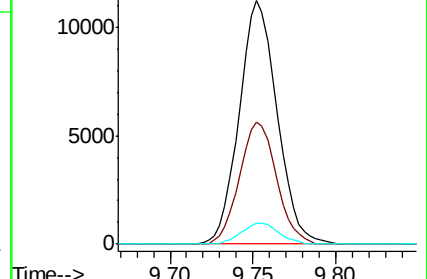
254 8.5 6.6 10.0

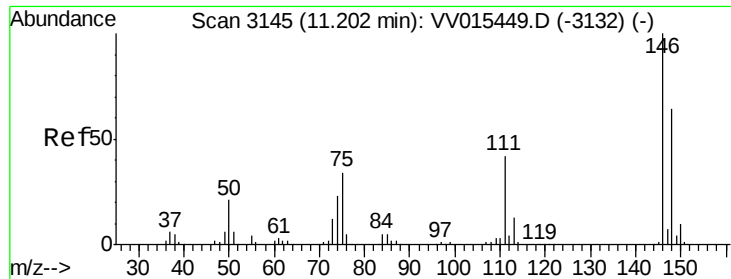


Abundance Ion 172.90 (172.60 to 173.60): VV015449.D (-2682) (-)

Ion 174.90 (174.60 to 175.60): VV015449.D (-2682) (-)

Ion 253.75 (253.45 to 254.45): VV015449.D (-2682) (-)





#62

1,3-Dichlorobenzene

Concen: 5.120 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV015457.D

Acq: 14 Apr 2020 10:35

Instrument :

MSVOA_V

ClientSampleId :

BFB34

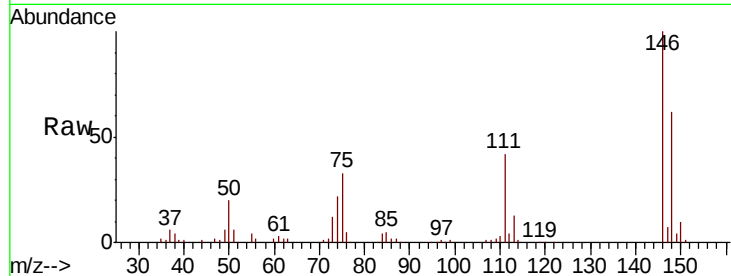
Tot Ion:146 Resp: 98056

Ion Ratio Lower Upper

146 100

111 41.6 29.3 54.5

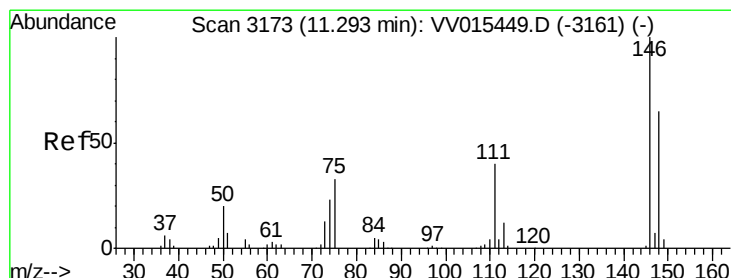
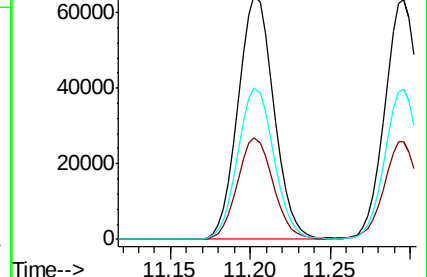
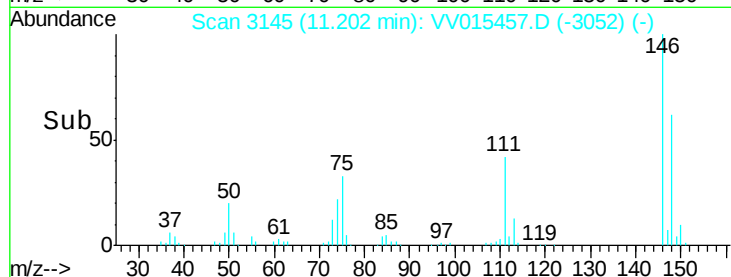
148 62.3 42.4 78.6



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: 4.981 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV015457.D

Acq: 14 Apr 2020 10:35

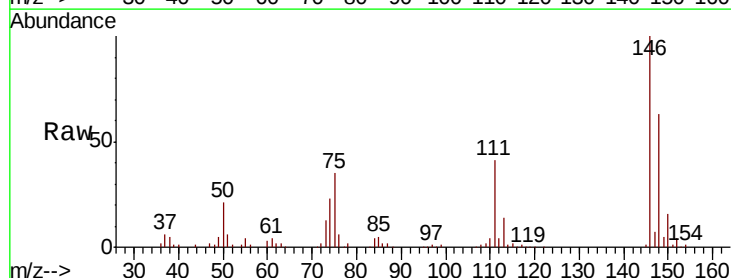
Tgt Ion:146 Resp: 97054

Ion Ratio Lower Upper

146 100

111 40.7 29.4 54.6

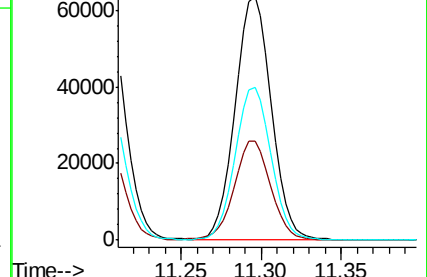
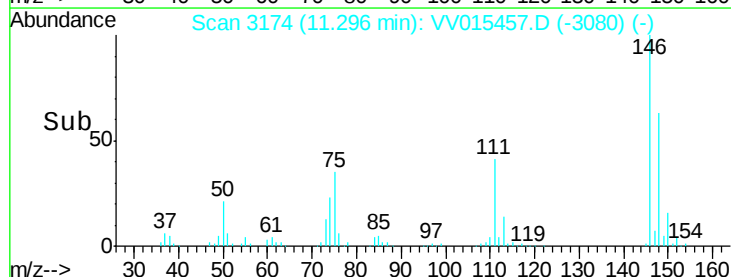
148 62.7 44.3 82.3

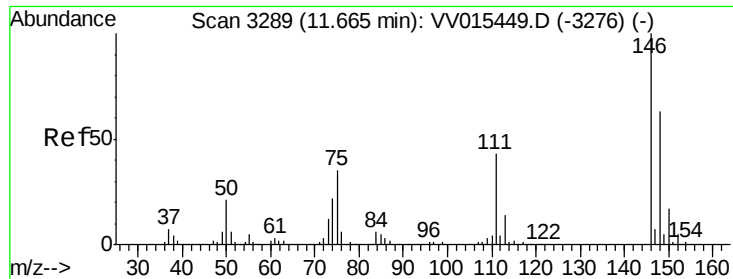


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.015 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV015457.D

Acq: 14 Apr 2020 10:35

Instrument :

MSVOA_V

ClientSampleId :

BFB34

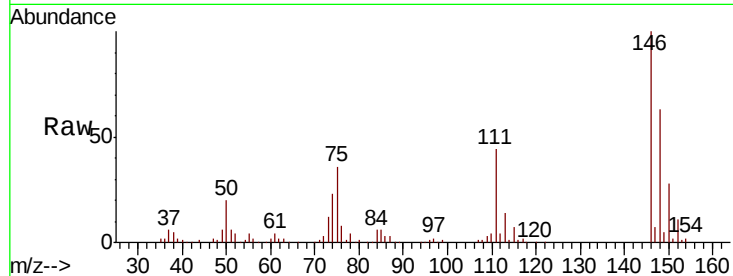
Tot Ion:146 Resp: 87557

Ion Ratio Lower Upper

146 100

111 44.2 35.8 53.6

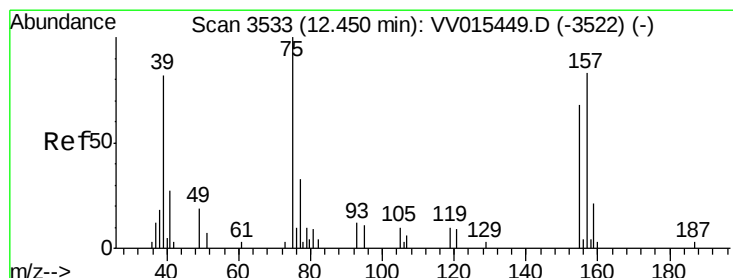
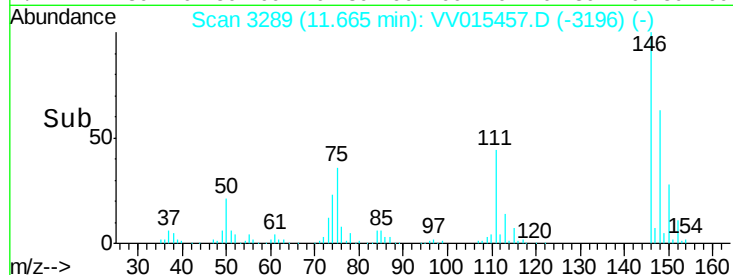
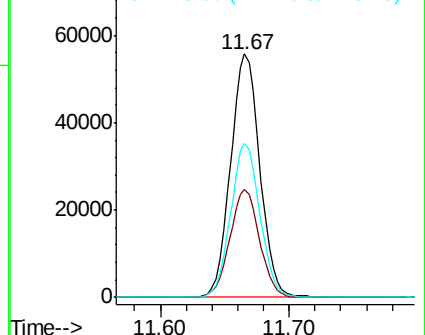
148 63.4 50.2 75.4



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



#66

1,2-Dibromo-3-chloropropane

Concen: 4.978 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. 0.00 min

Lab File: VV015457.D

Acq: 14 Apr 2020 10:35

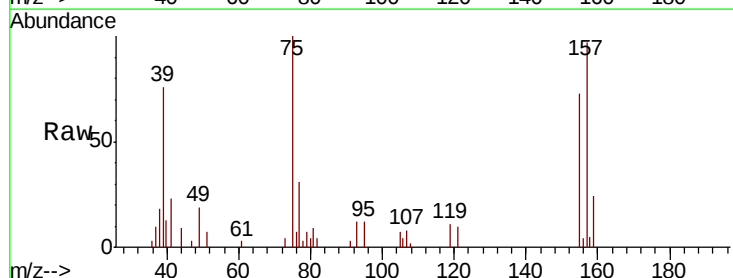
Tgt Ion: 75 Resp: 6650

Ion Ratio Lower Upper

75 100

155 73.3 60.8 91.2

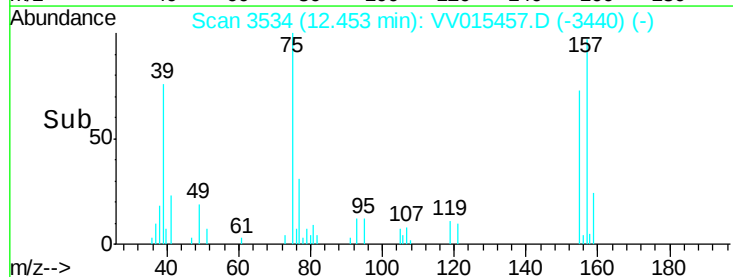
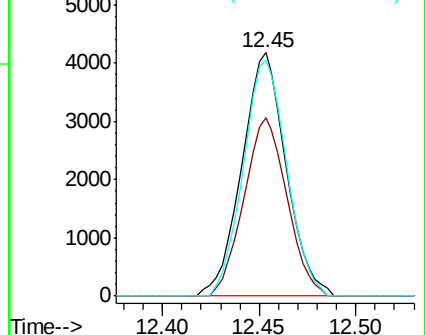
157 97.1 75.7 113.5

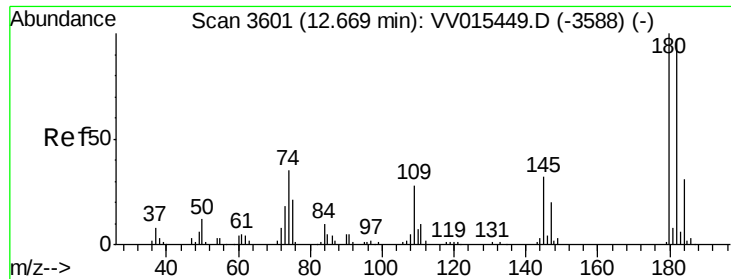


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

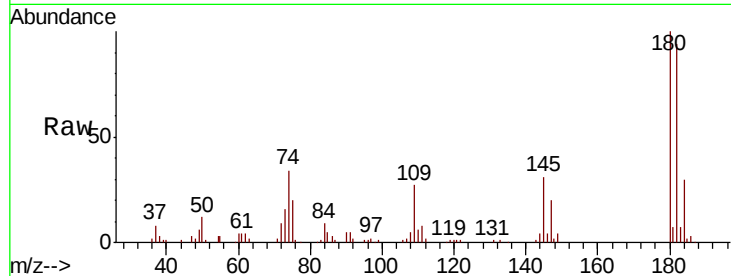




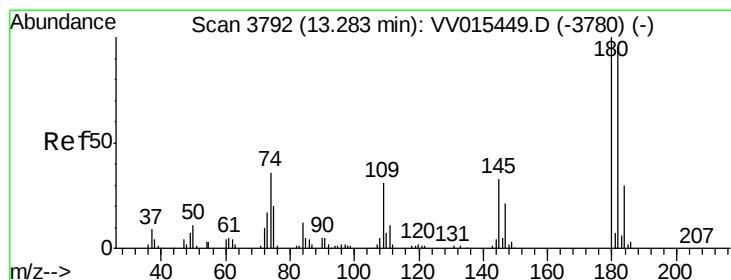
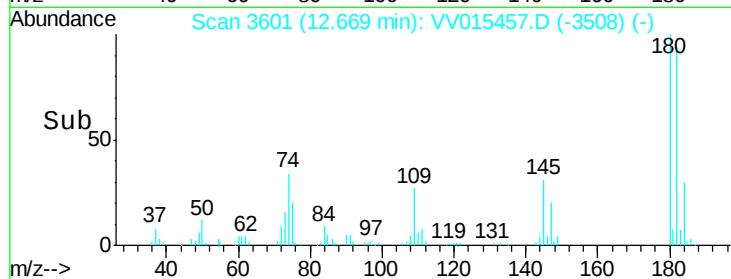
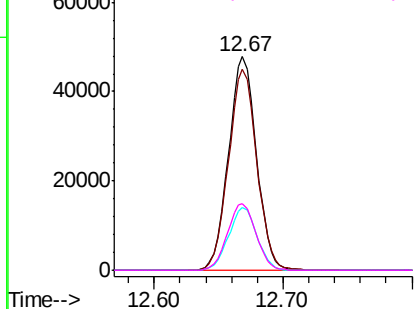
#67
 1,3,5-Trichlorobenzene
 Concen: 5.187 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV015457.D
 Acq: 14 Apr 2020 10:35

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB34

Tot Ion:180 Resp: 71773
 Ion Ratio Lower Upper
 180 100
 182 95.3 76.9 115.3
 184 29.7 24.0 36.0
 145 31.7 26.1 39.1

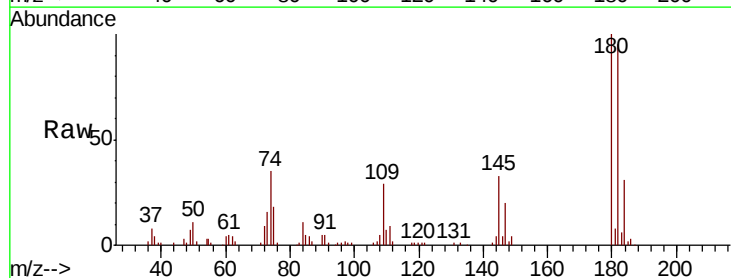


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

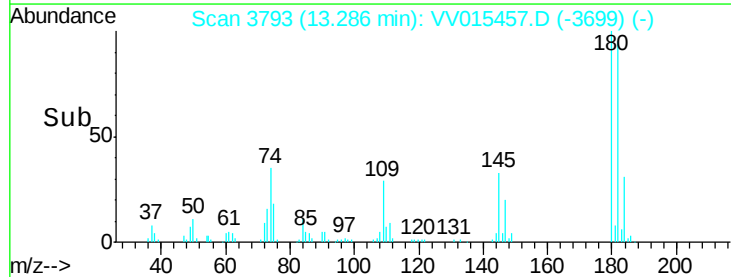
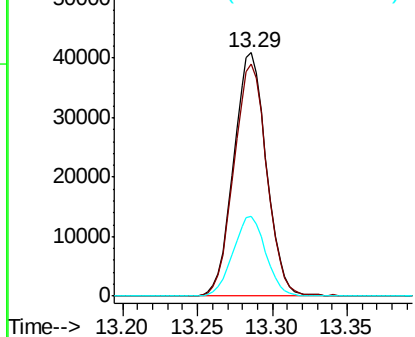


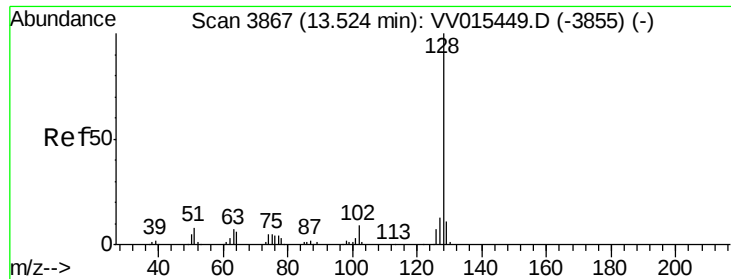
#68
 1,2,4-trichlorobenzene
 Concen: 5.013 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV015457.D
 Acq: 14 Apr 2020 10:35

Tgt Ion:180 Resp: 62488
 Ion Ratio Lower Upper
 180 100
 182 95.9 76.6 115.0
 145 32.5 25.9 38.9



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: 4.404 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV015457.D

Acq: 14 Apr 2020 10:35

Instrument :

MSVOA_V

ClientSampled :

BFB34

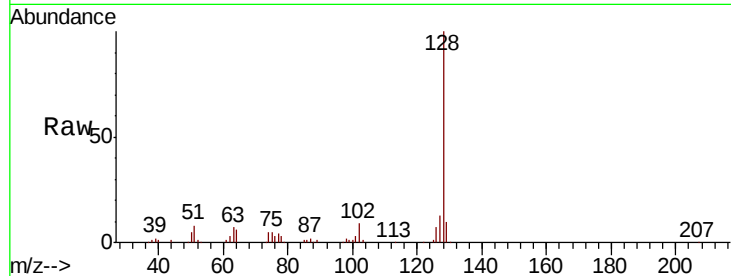
Tot Ion:128 Resp: 103418

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

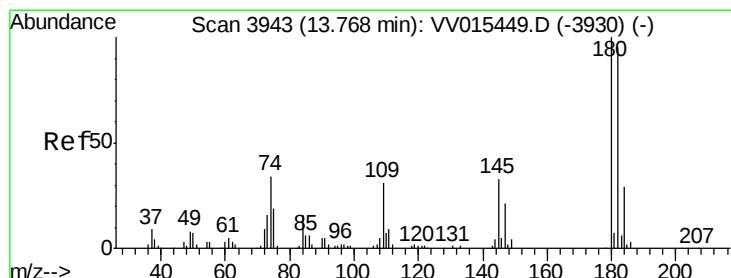
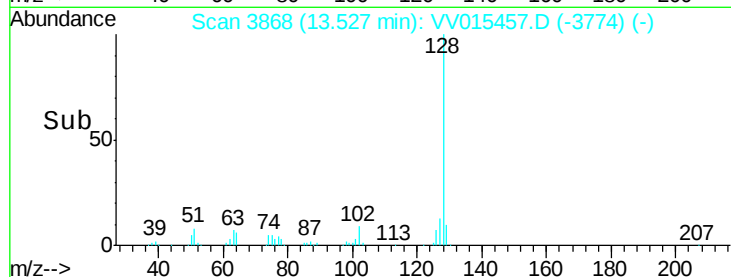
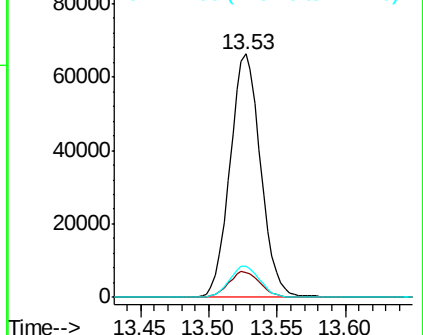
127 12.8 10.4 15.6



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: 4.753 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV015457.D

Acq: 14 Apr 2020 10:35

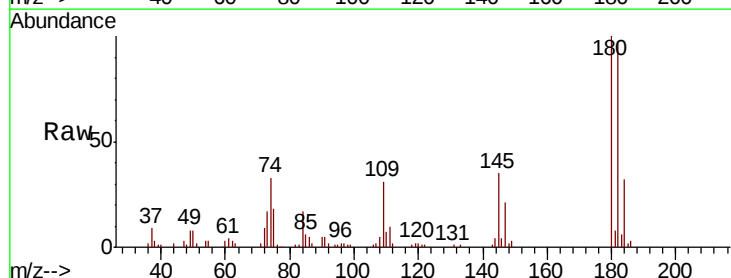
Tgt Ion:180 Resp: 52333

Ion Ratio Lower Upper

180 100

182 96.8 76.4 114.6

145 35.0 28.2 42.2



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

