

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042920\
 Data File : VV015782.D
 Acq On : 29 Apr 2020 10:32
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 30 01:30:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Apr 29 03:36:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	131219	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	128067	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	64859	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	41199	6.01	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	120.20%
7) Chloroethane-d5	1.57	69	36432	5.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	110.20%
11) 1,1-Dichloroethene-d2	2.12	63	84547	5.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	112.60%
20) 2-Butanone-d5	3.95	46	102050	46.35	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.70%
24) Chloroform-d	4.37	84	76599	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
26) 1,2-Dichloroethane-d4	5.06	65	43775	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
32) Benzene-d6	5.07	84	149748	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
36) 1,2-Dichloropropane-d6	6.09	67	44168	4.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.40%
41) Toluene-d8	7.33	98	140874	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
43) trans-1,3-Dichloropropene-	7.64	79	17577	4.65	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.00%
46) 2-Hexanone-d5	8.11	63	79803	43.33	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.66%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	32364	4.45	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.00%
64) 1,2-Dichlorobenzene-d4	11.65	152	49520	4.49	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	62954	5.601	ug/L 99
3) Chloromethane	1.24	50	56945	5.857	ug/L 100
5) Vinyl chloride	1.32	62	57796	5.565	ug/L 99
6) Bromomethane	1.53	94	28393	6.368	ug/L 99
8) Chloroethane	1.59	64	37369	5.479	ug/L 100
9) Trichlorofluoromethane	1.76	101	85147	5.842	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	48269	5.854	ug/L 97
12) 1,1-Dichloroethene	2.13	96	43592	5.708	ug/L 98
13) Acetone	2.22	43	94655	61.909	ug/L 99
14) Carbon disulfide	2.30	76	121325	5.620	ug/L 99
15) Methyl Acetate	2.46	43	21482	5.908	ug/L 95
16) Methylene chloride	2.52	84	51106	5.420	ug/L 97
17) Methyl tert-butyl Ether	2.79	73	122041	5.693	ug/L 98
18) trans-1,2-Dichloroethene	2.77	96	49126	5.745	ug/L 97
19) 1,1-Dichloroethane	3.21	63	98092	5.842	ug/L 98
21) 2-Butanone	4.02	43	138985	58.933	ug/L 98
22) cis-1,2-Dichloroethene	3.94	96	52855	5.590	ug/L 99

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 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 30 01:30:26 2020
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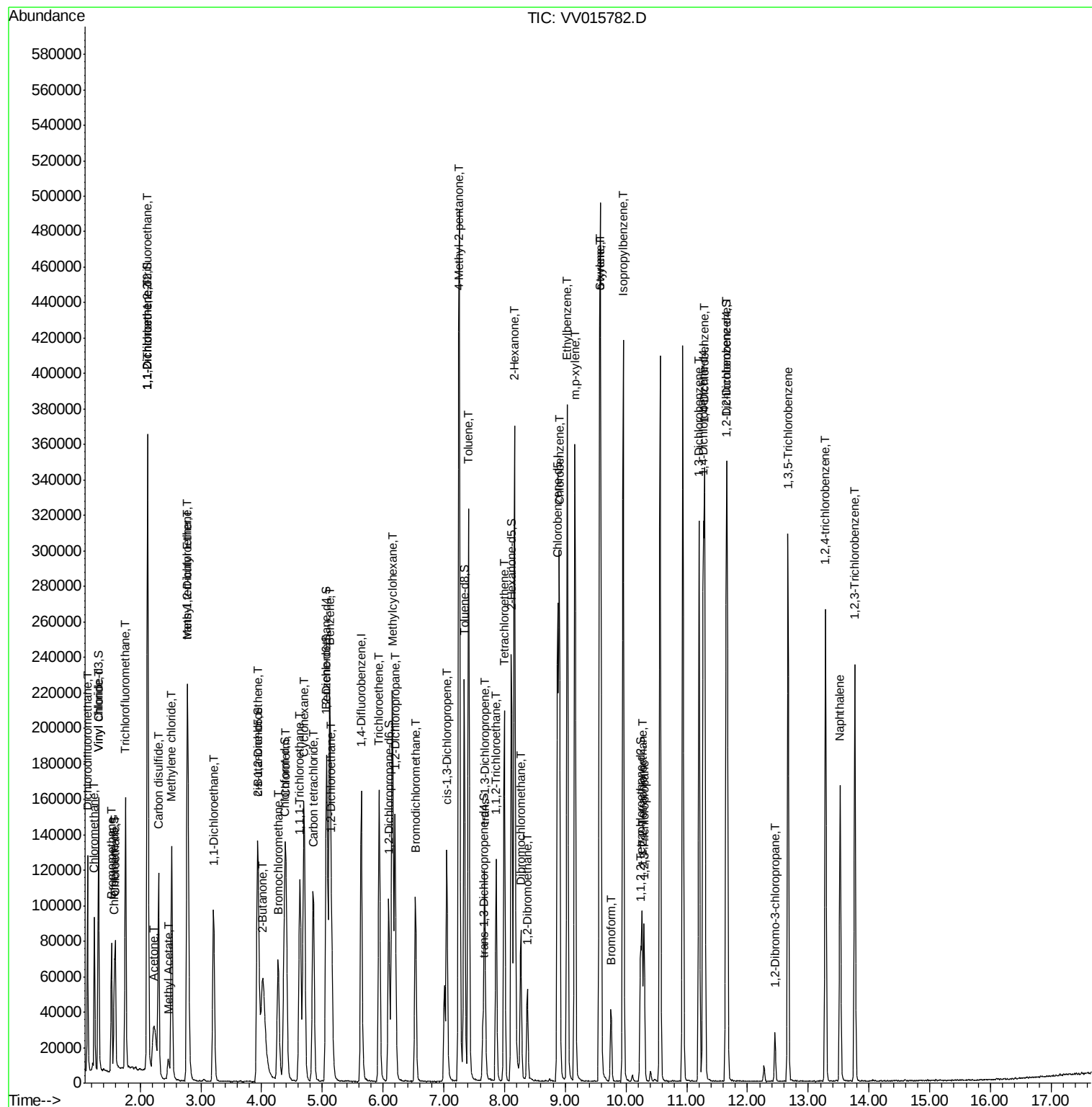
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	22628	5.859	ug/L	96
25) Chloroform	4.40	83	105504	5.919	ug/L	98
27) 1,2-Dichloroethane	5.15	62	68291	5.831	ug/L	99
29) 1,1,1-Trichloroethane	4.63	97	91331	5.623	ug/L	99
30) Cyclohexane	4.70	56	84111	5.421	ug/L	100
31) Carbon tetrachloride	4.85	117	77859	5.789	ug/L	99
33) Benzene	5.12	78	206788	5.652	ug/L	100
34) Trichloroethene	5.94	95	54826	5.426	ug/L	97
35) Methylcyclohexane	6.15	83	83575	5.389	ug/L	99
37) 1,2-Dichloropropane	6.20	63	53495	5.752	ug/L	100
38) Bromodichloromethane	6.53	83	67732	5.735	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	72958	5.628	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	341413	56.562	ug/L	99
42) Toluene	7.41	91	221517	5.666	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	61123	5.611	ug/L	97
45) 1,1,2-Trichloroethane	7.86	97	35777	5.644	ug/L	97
47) Tetrachloroethene	8.00	164	42231	5.804	ug/L	98
48) 2-Hexanone	8.16	43	248830	57.808	ug/L	99
49) Dibromochloromethane	8.27	129	39055	5.953	ug/L	99
50) 1,2-Dibromoethane	8.37	107	32595	5.560	ug/L	98
51) Chlorobenzene	8.90	112	142228	5.553	ug/L	99
52) Ethylbenzene	9.03	91	251845	5.566	ug/L	100
53) m,p-xylene	9.16	106	93447	5.639	ug/L	99
54) o-xylene	9.56	106	89228	5.564	ug/L	100
55) Styrene	9.58	104	154679	5.685	ug/L	99
56) Isopropylbenzene	9.95	105	250047	5.558	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	41453	5.600	ug/L	98
59) 1,2,3-Trichloropropane	10.30	75	33418	5.628	ug/L	99
61) Bromoform	9.75	173	16753	6.257	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	115137	5.609	ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	114106	5.512	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	105436	5.679	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	6789	5.613	ug/L	94
67) 1,3,5-Trichlorobenzene	12.67	180	81744	5.389	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	70179	5.027	ug/L	97
69) Naphthalene	13.53	128	121638	4.868	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	63703	5.170	ug/L	98

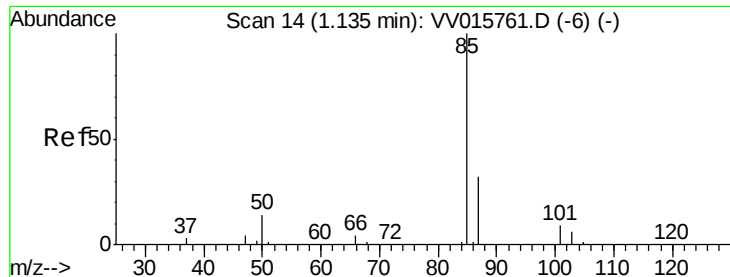
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.601 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV015782.D

Acq: 29 Apr 2020 10:32

Instrument :

MSVOA_V

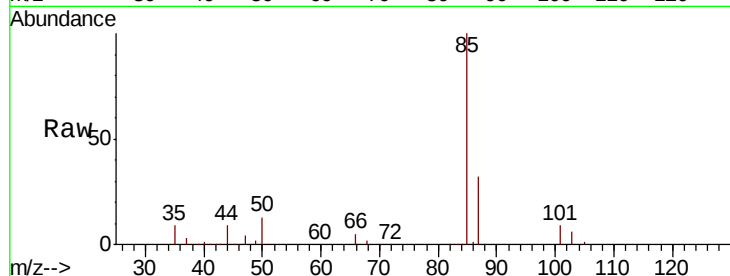
ClientSampleId :

Tot Ion: 85 Resp: 62954

Ion Ratio Lower Upper

85 100

87 32.0 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VV015761.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VV015761.D (-6) (-)

1.14

60000

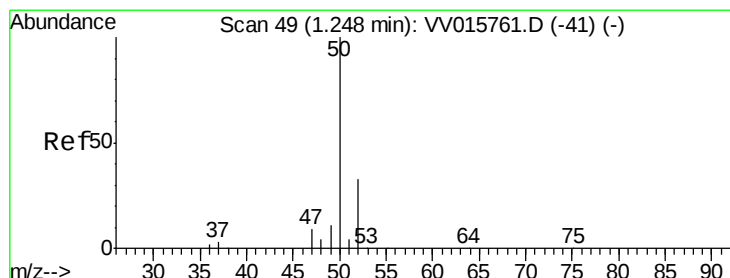
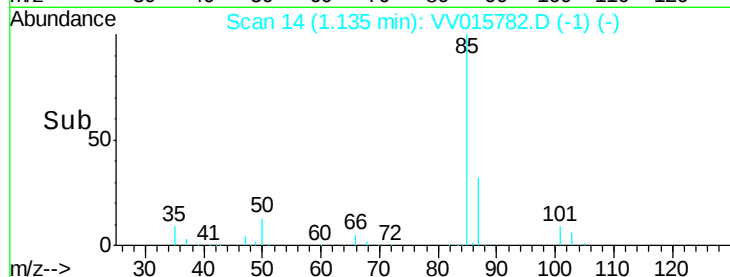
40000

20000

0

Time-->

1.10 1.15 1.20 1.25



#3

Chloromethane

Concen: 5.857 ug/L

RT: 1.24 min Scan# 48

Delta R.T. -0.00 min

Lab File: VV015782.D

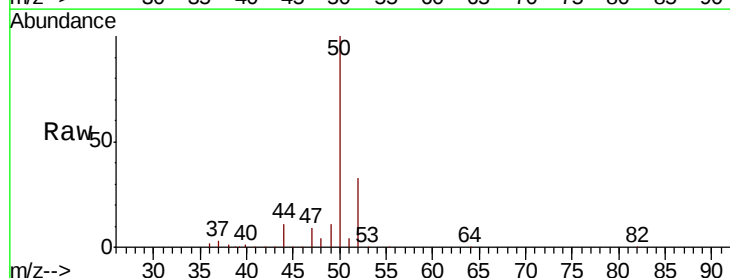
Acq: 29 Apr 2020 10:32

Tgt Ion: 50 Resp: 56945

Ion Ratio Lower Upper

50 100

52 32.9 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV015782.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VV015782.D (-1) (-)

1.24

60000

50000

40000

30000

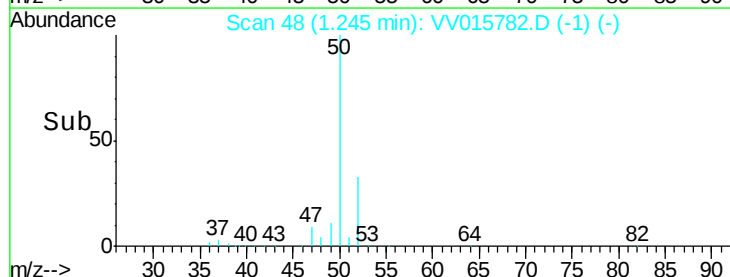
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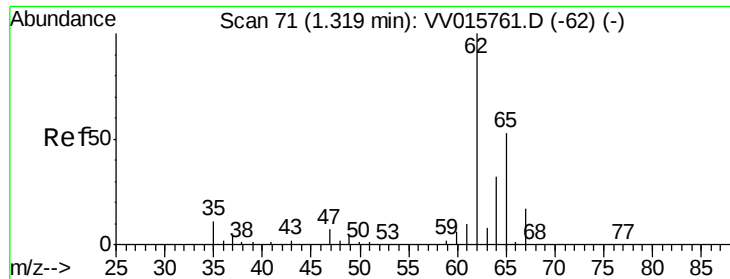
10000

0

Time-->

1.20 1.25 1.30





#5

Vinyl chloride

Concen: 5.565 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV015782.D

Acq: 29 Apr 2020 10:32

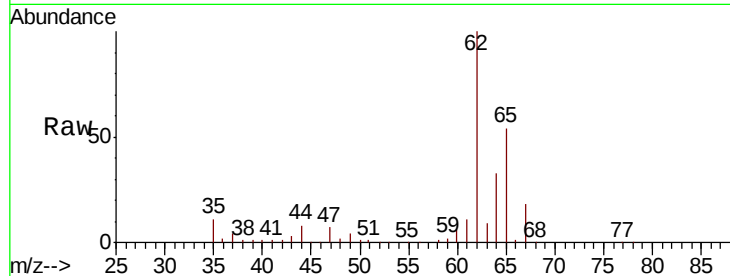
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 57796

Ion Ratio Lower Upper

62 100

64 32.7 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

60000

50000

40000

30000

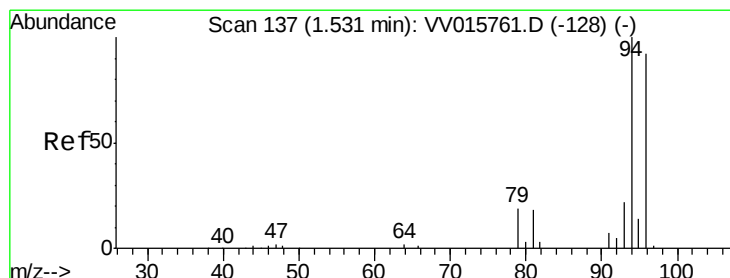
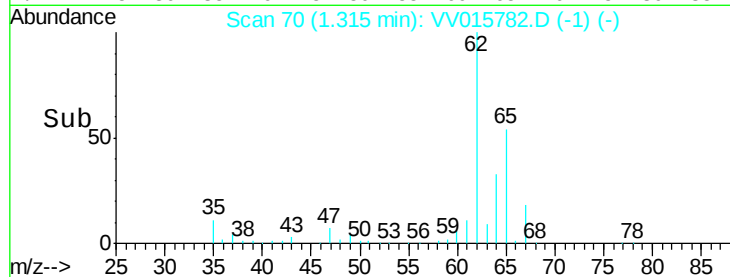
20000

10000

0

Time-->

1.25 1.30 1.35



#6

Bromomethane

Concen: 6.368 ug/L

RT: 1.53 min Scan# 136

Delta R.T. -0.00 min

Lab File: VV015782.D

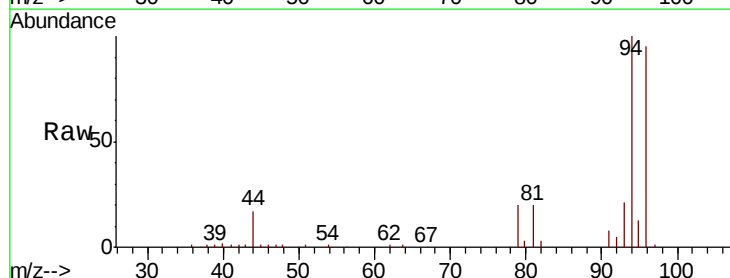
Acq: 29 Apr 2020 10:32

Tgt Ion: 94 Resp: 28393

Ion Ratio Lower Upper

94 100

96 94.9 67.3 125.1



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

25000

20000

15000

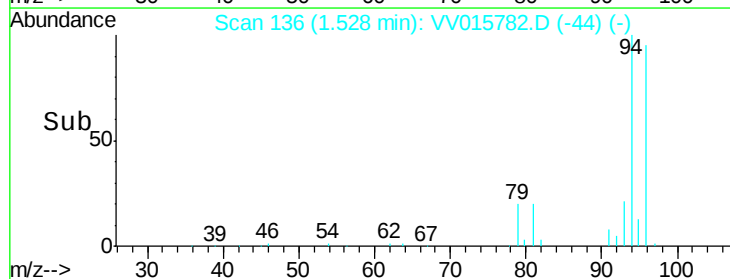
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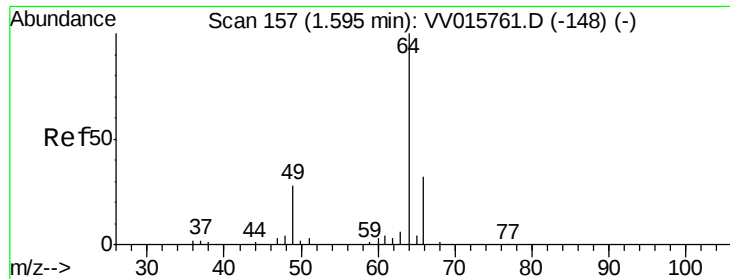
5000

0

Time-->

1.50 1.55 1.60

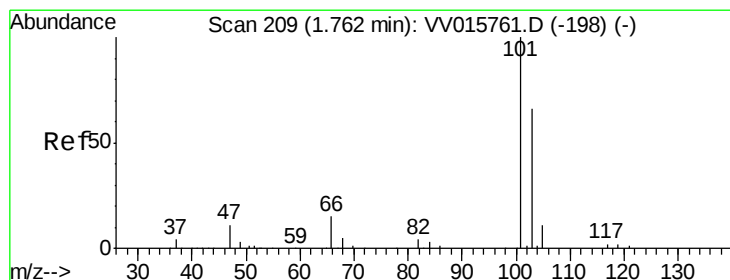
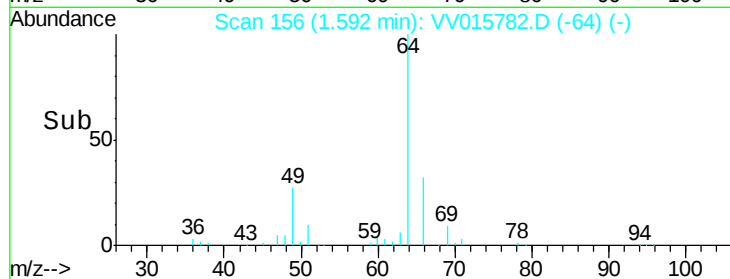
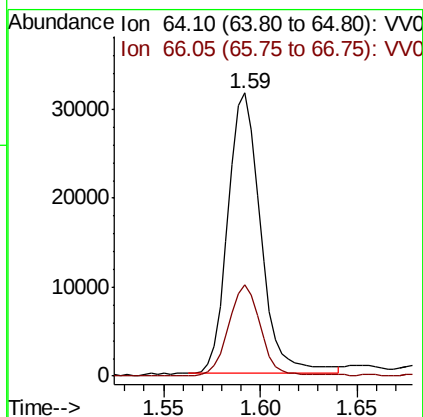
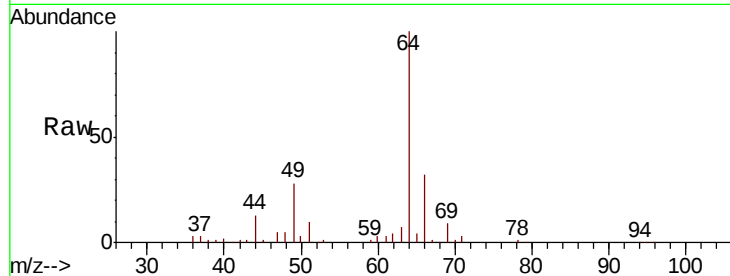




#8
Chloroethane
Concen: 5.479 ug/L
RT: 1.59 min Scan# 156
Delta R.T. -0.00 min
Lab File: VV015782.D
Acq: 29 Apr 2020 10:32

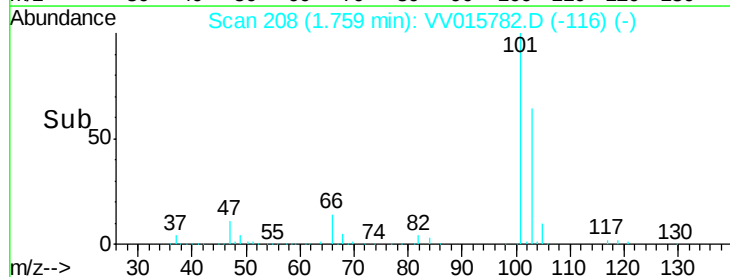
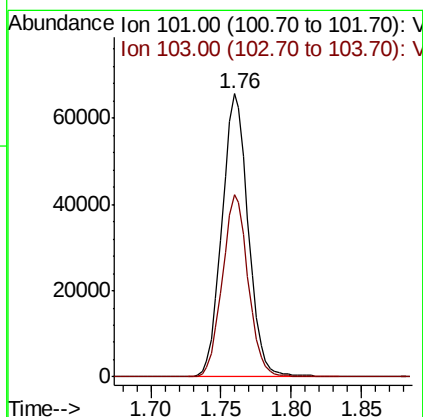
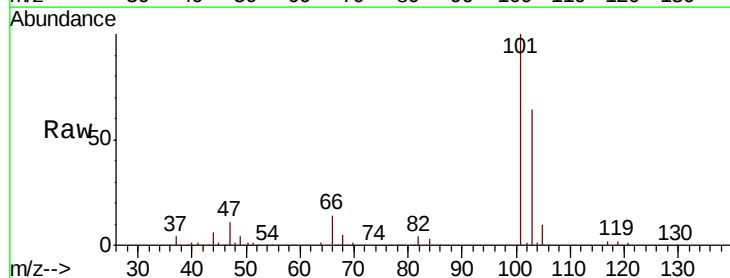
Instrument :
MSVOA_V
ClientSampleId :

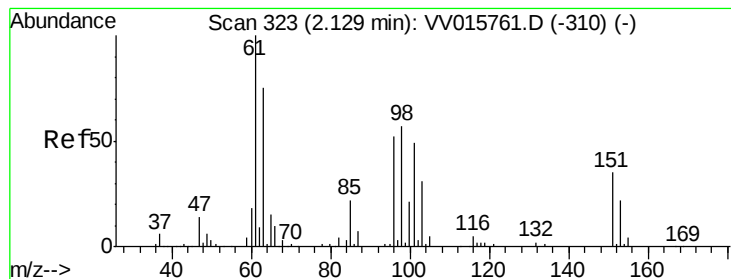
Tot Ion: 64 Resp: 37369
Ion Ratio Lower Upper
64 100
66 32.1 22.3 41.5



#9
Trichlorofluoromethane
Concen: 5.842 ug/L
RT: 1.76 min Scan# 208
Delta R.T. -0.00 min
Lab File: VV015782.D
Acq: 29 Apr 2020 10:32

Tgt Ion:101 Resp: 85147
Ion Ratio Lower Upper
101 100
103 63.4 52.3 78.5





#10

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

Concen: 5.854 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV015782.D

Acq: 29 Apr 2020 10:32

Instrument :

MSVOA_V

ClientSampleId :

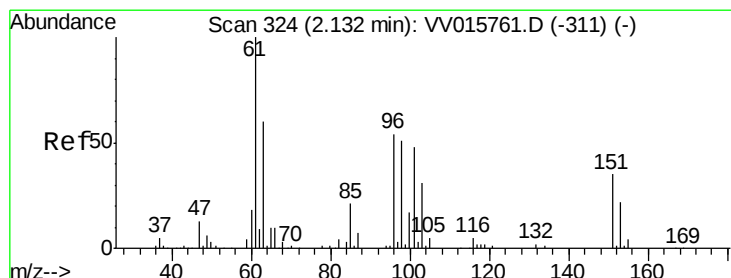
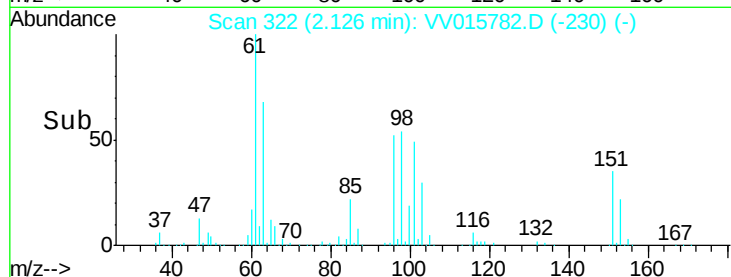
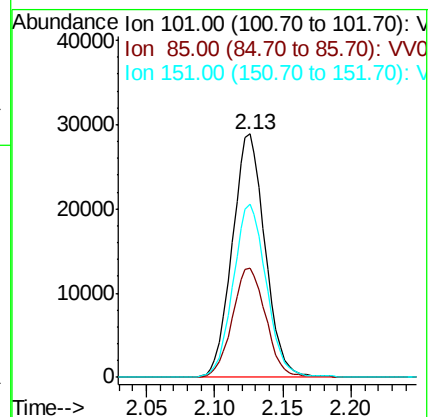
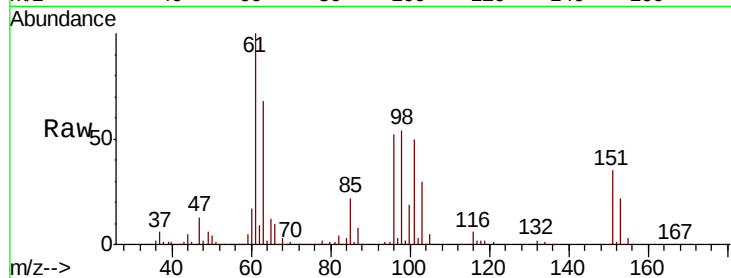
Tot Ion:101 Resp: 48269

Ion Ratio Lower Upper

101 100

85 45.8 36.1 54.1

151 71.9 55.2 82.8



#12

1,1-Dichloroethene

Concen: 5.708 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV015782.D

Acq: 29 Apr 2020 10:32

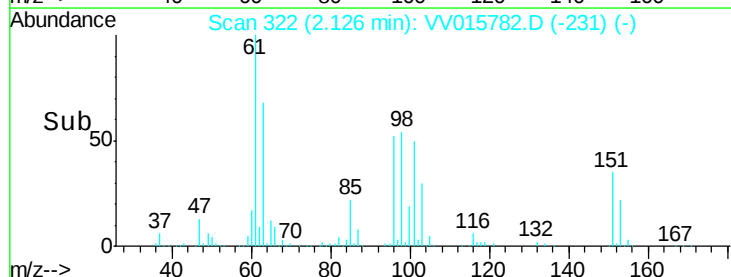
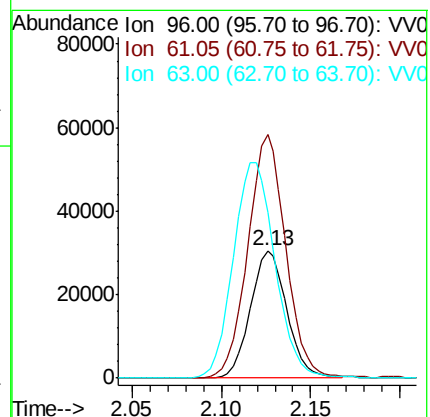
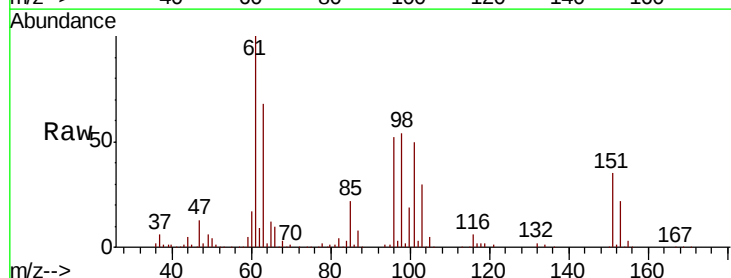
Tgt Ion: 96 Resp: 43592

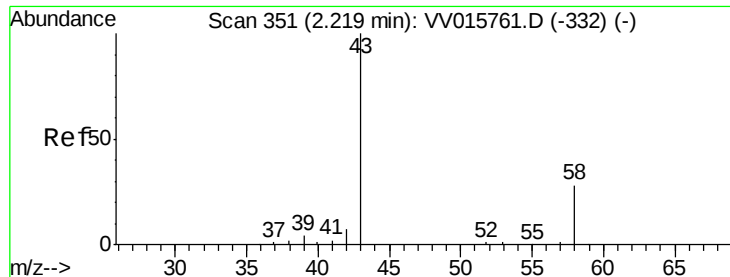
Ion Ratio Lower Upper

96 100

61 191.4 130.1 241.7

63 130.2 91.4 169.8





#13

Acetone

Concen: 61.909 ug/L

RT: 2.22 min Scan# 352

Delta R.T. 0.00 min

Lab File: VV015782.D

Acq: 29 Apr 2020 10:32

Instrument :

MSVOA_V

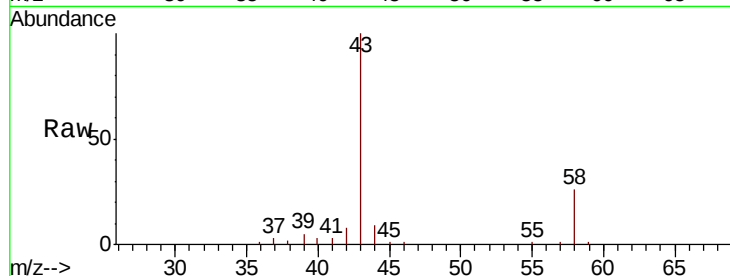
ClientSampled :

Tot Ion: 43 Resp: 94655

Ion Ratio Lower Upper

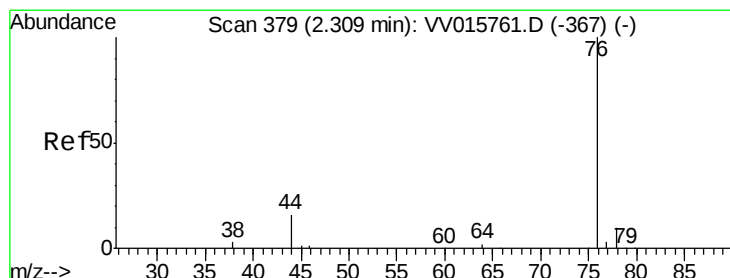
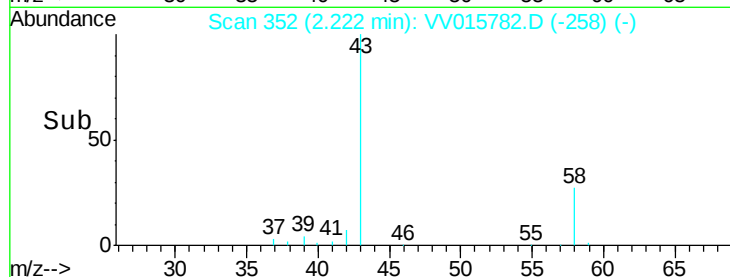
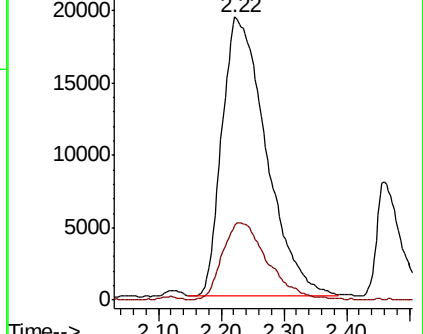
43 100

58 28.4 0.0 57.6



Abundance Ion 43.05 (42.75 to 43.75): VV015761.D (-332) (-)

Ion 58.05 (57.75 to 58.75): VV015761.D (-332) (-)



#14

Carbon disulfide

Concen: 5.620 ug/L

RT: 2.30 min Scan# 377

Delta R.T. -0.01 min

Lab File: VV015782.D

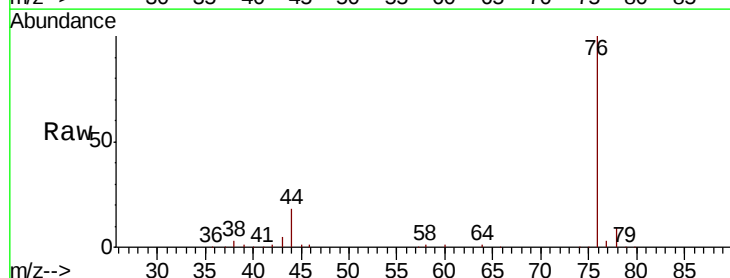
Acq: 29 Apr 2020 10:32

Tgt Ion: 76 Resp: 121325

Ion Ratio Lower Upper

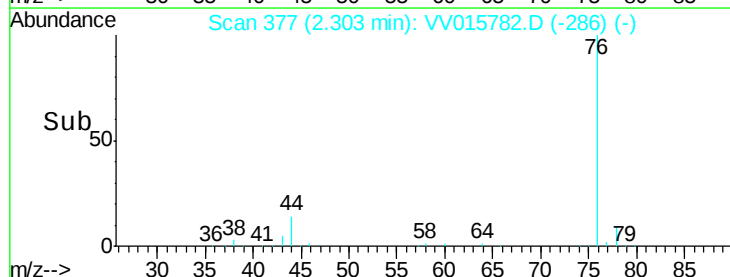
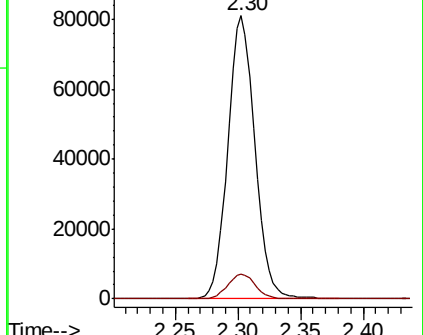
76 100

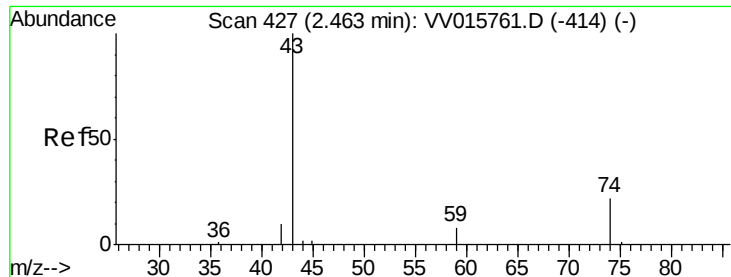
78 8.7 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VV015761.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VV015761.D (-367) (-)

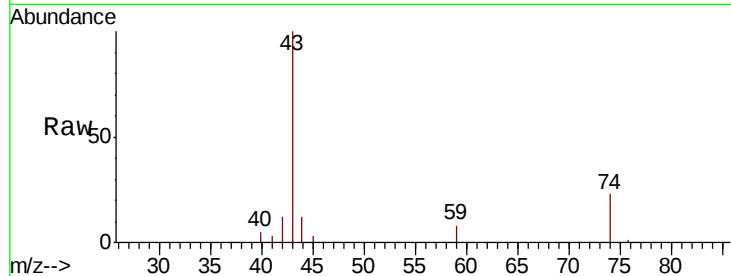




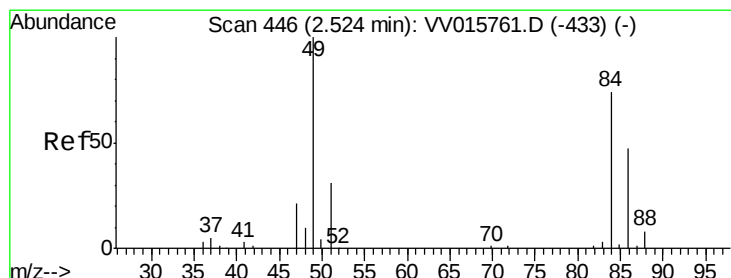
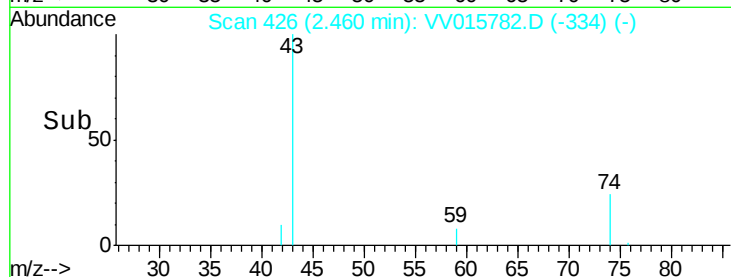
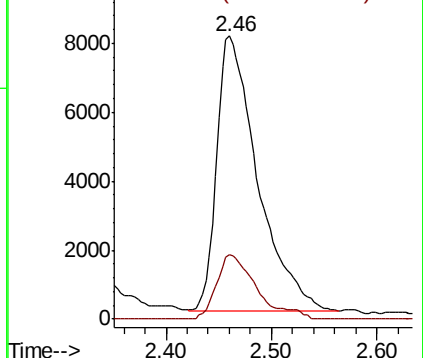
#15
Methvl Acetate
Concen: 5.908 ug/L
RT: 2.46 min Scan# 426
Delta R.T. -0.00 min
Lab File: VV015782.D
Acq: 29 Apr 2020 10:32

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 21482
Ion Ratio Lower Upper
43 100
74 22.9 16.3 24.5

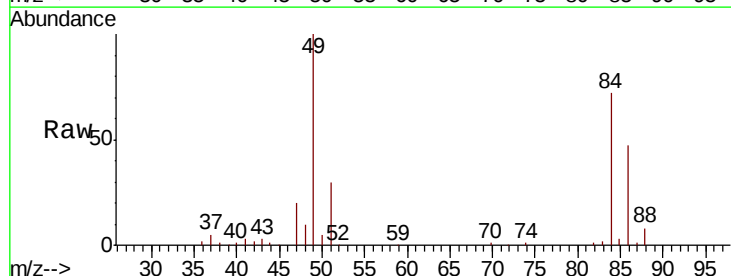


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 74.05 (73.75 to 74.75): VV0

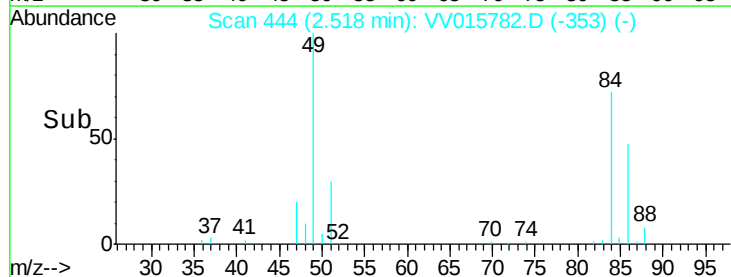
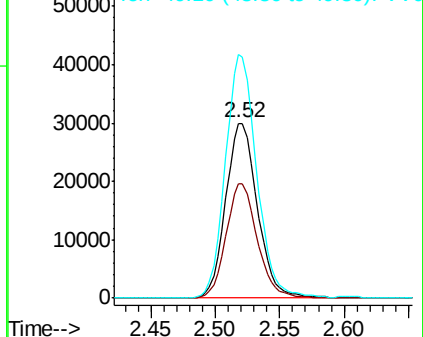


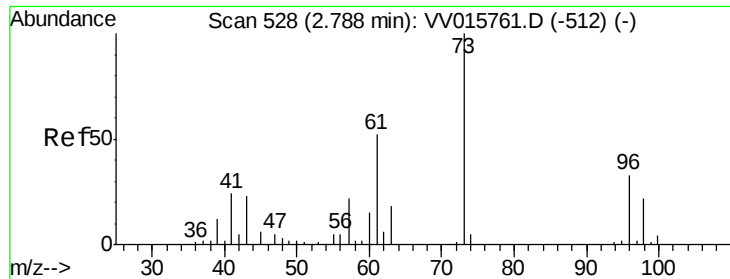
#16
Methylene chloride
Concen: 5.420 ug/L
RT: 2.52 min Scan# 444
Delta R.T. -0.01 min
Lab File: VV015782.D
Acq: 29 Apr 2020 10:32

Tgt Ion: 84 Resp: 51106
Ion Ratio Lower Upper
84 100
86 65.4 45.1 83.7
49 139.4 94.4 175.4



Abundance Ion 84.05 (83.75 to 84.75): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.10 (48.80 to 49.80): VV0

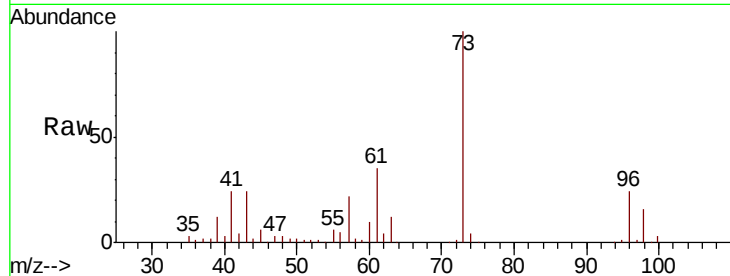




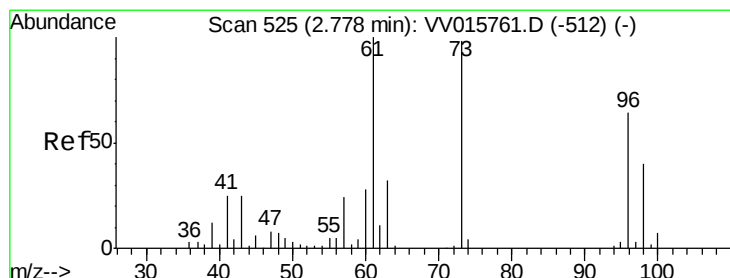
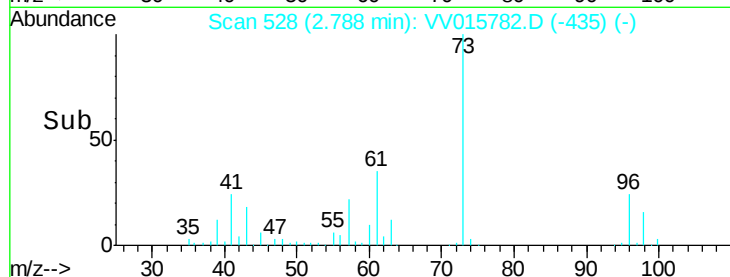
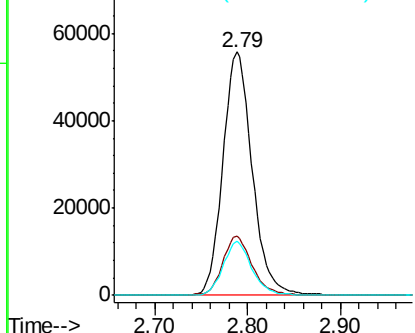
#17
Methvl tert-butvl Ether
Concen: 5.693 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV015782.D
Acq: 29 Apr 2020 10:32

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 73 Resp: 122041
Ion Ratio Lower Upper
73 100
43 23.9 20.1 30.1
57 21.7 17.8 26.8

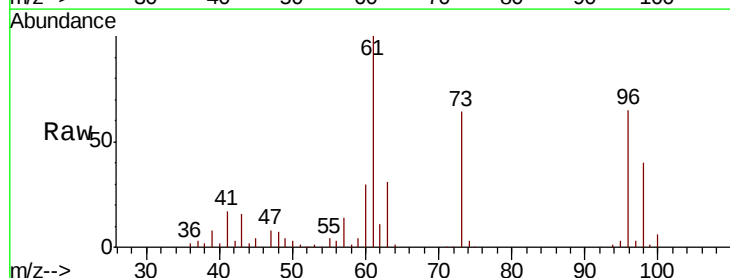


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

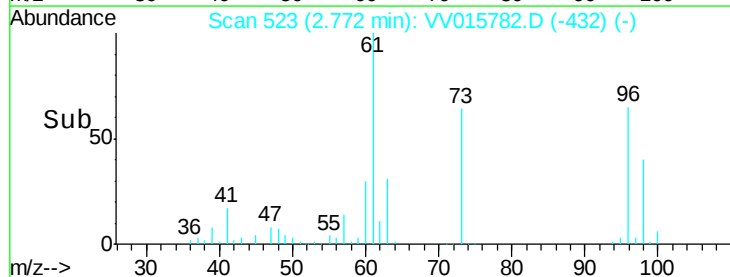
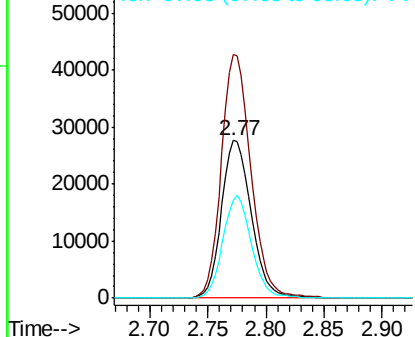


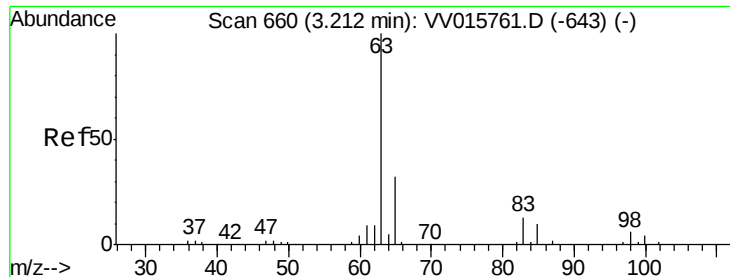
#18
trans-1,2-Dichloroethene
Concen: 5.745 ug/L
RT: 2.77 min Scan# 523
Delta R.T. -0.01 min
Lab File: VV015782.D
Acq: 29 Apr 2020 10:32

Tgt Ion: 96 Resp: 49126
Ion Ratio Lower Upper
96 100
61 154.7 105.5 195.9
98 62.2 44.2 82.0



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

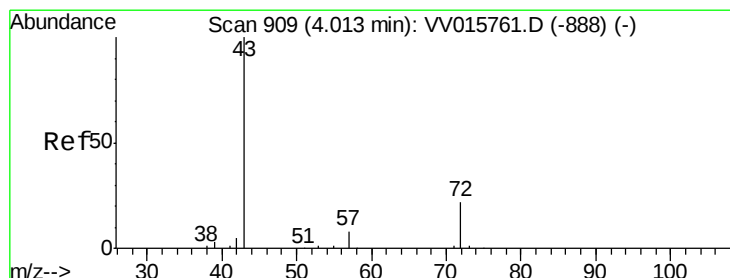
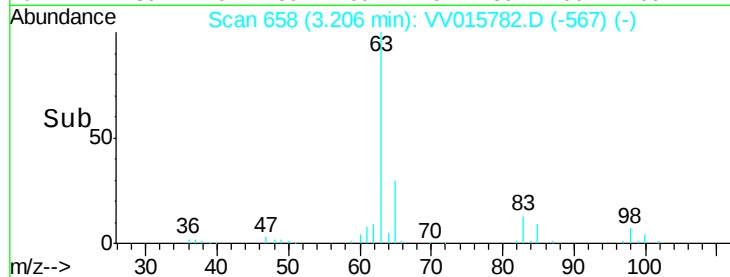
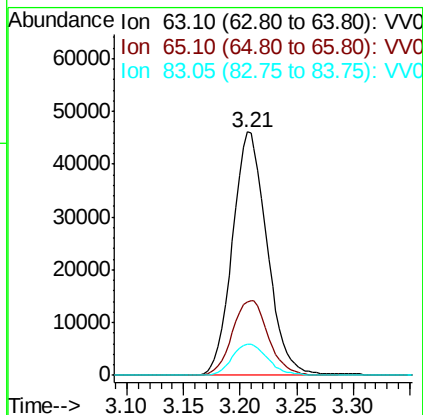
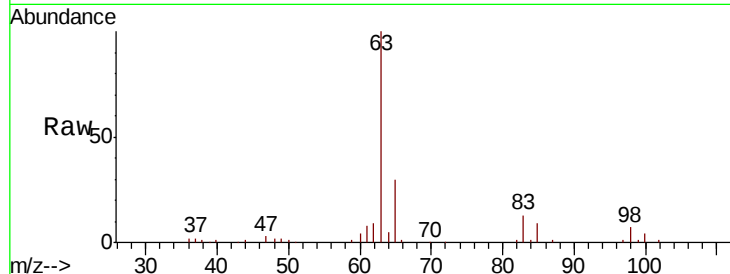




#19
 1,1-Dichloroethane
 Concen: 5.842 ug/L
 RT: 3.21 min Scan# 658
 Delta R.T. -0.01 min
 Lab File: VV015782.D
 Acq: 29 Apr 2020 10:32

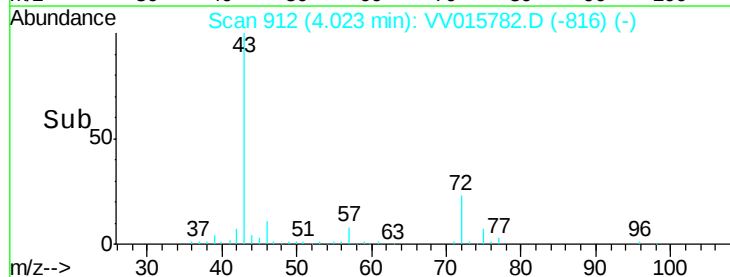
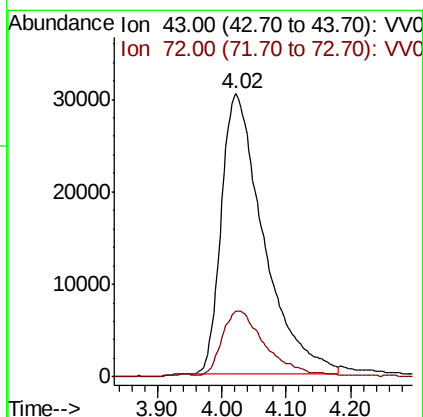
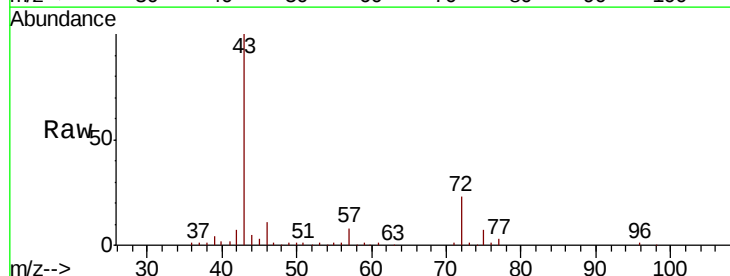
Instrument :
 MSVOA_V
 ClientSampled :

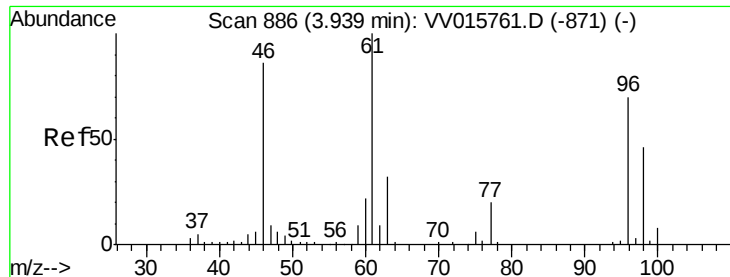
Tot Ion: 63 Resp: 98092
 Ion Ratio Lower Upper
 63 100
 65 30.3 22.3 41.3
 83 12.8 9.3 17.3



#21
 2-Butanone
 Concen: 58.933 ug/L
 RT: 4.02 min Scan# 912
 Delta R.T. 0.01 min
 Lab File: VV015782.D
 Acq: 29 Apr 2020 10:32

Tgt Ion: 43 Resp: 138985
 Ion Ratio Lower Upper
 43 100
 72 23.4 12.3 36.9



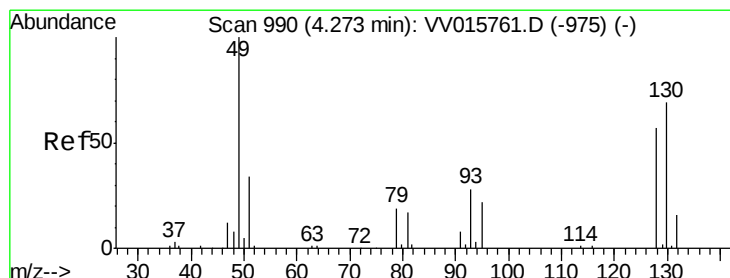
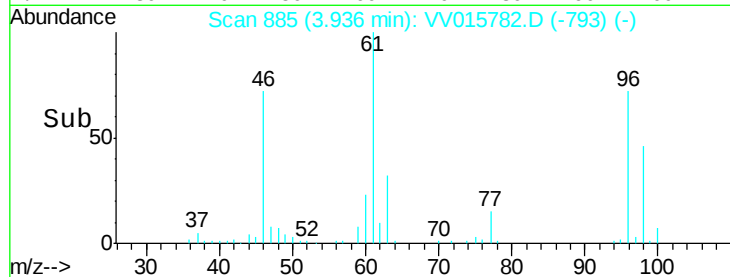
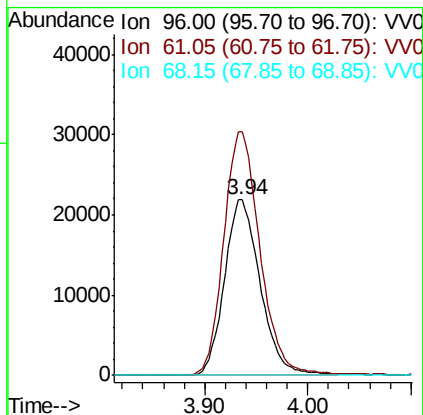
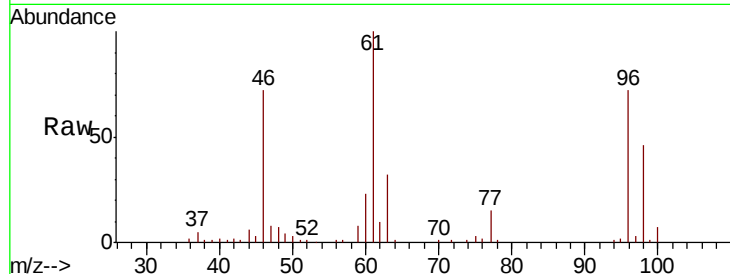


#22

cis-1,2-Dichloroethene
Concen: 5.590 ug/L
RT: 3.94 min Scan# 885
Delta R.T. -0.00 min
Lab File: VV015782.D
Acq: 29 Apr 2020 10:32

Instrument :
MSVOA_V
ClientSampleId :

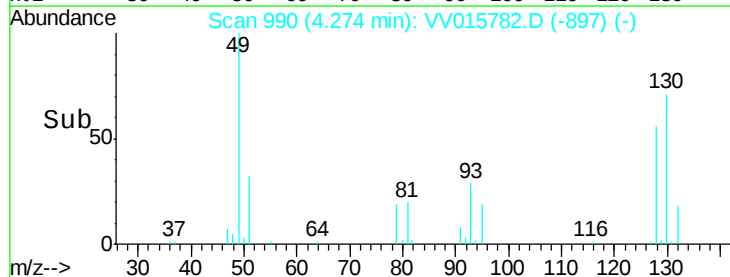
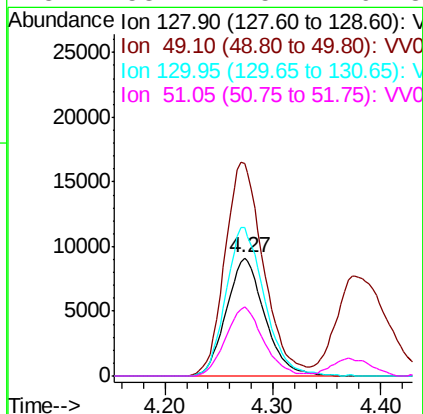
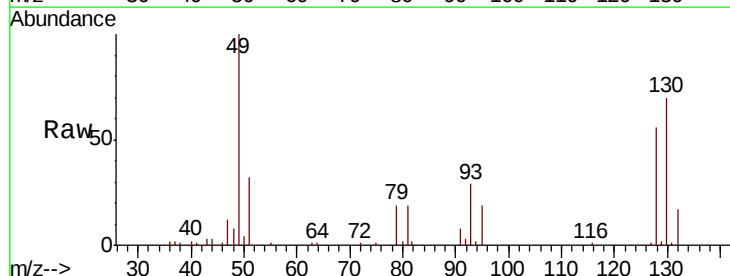
Tot Ion: 96 Resp: 52855
Ion Ratio Lower Upper
96 100
61 138.6 96.4 179.0
68 0.0 0.0 0.0

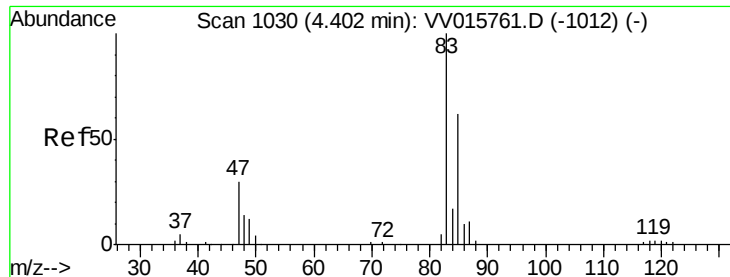


#23

Bromochloromethane
Concen: 5.859 ug/L
RT: 4.27 min Scan# 990
Delta R.T. 0.00 min
Lab File: VV015782.D
Acq: 29 Apr 2020 10:32

Tgt Ion:128 Resp: 22628
Ion Ratio Lower Upper
128 100
49 179.7 130.8 242.8
130 125.5 91.1 169.3
51 58.2 45.2 67.8

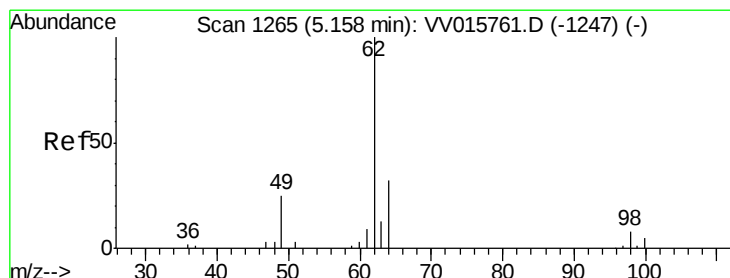
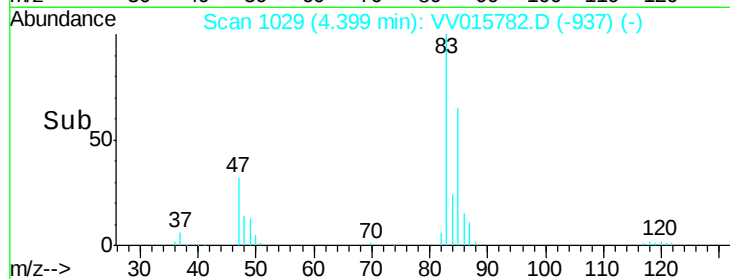
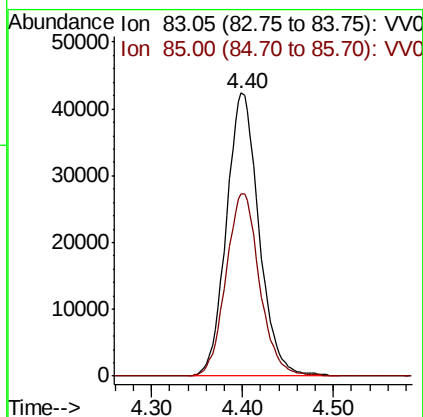
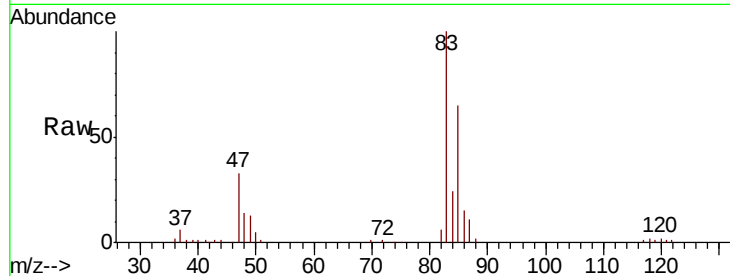




#25
Chloroform
Concen: 5.919 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV015782.D
Acq: 29 Apr 2020 10:32

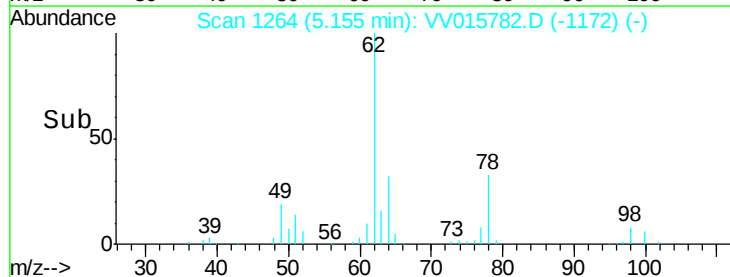
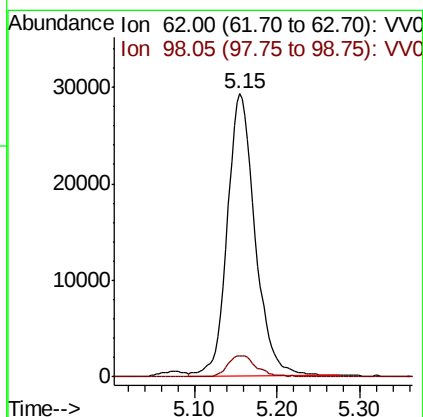
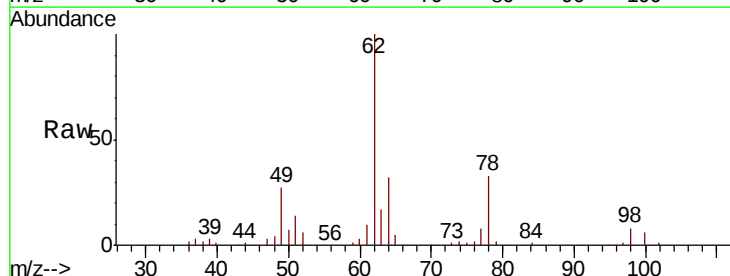
Instrument :
MSVOA_V
ClientSampleId :

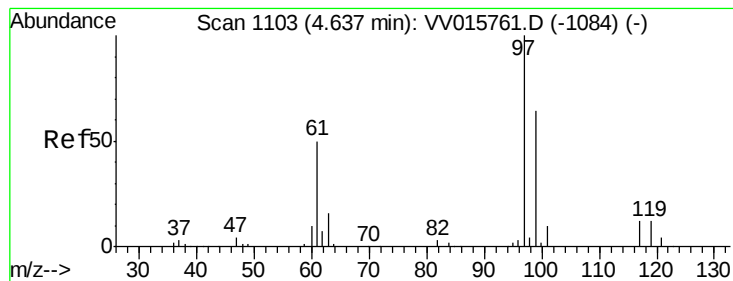
Tot Ion: 83 Resp: 105504
Ion Ratio Lower Upper
83 100
85 64.6 46.1 85.5



#27
1,2-Dichloroethane
Concen: 5.831 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV015782.D
Acq: 29 Apr 2020 10:32

Tgt Ion: 62 Resp: 68291
Ion Ratio Lower Upper
62 100
98 7.6 6.3 9.5





#29

1,1,1-Trichloroethane

Concen: 5.623 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. -0.01 min

Lab File: VV015782.D

Acq: 29 Apr 2020 10:32

Instrument :

MSVOA_V

ClientSampleId :

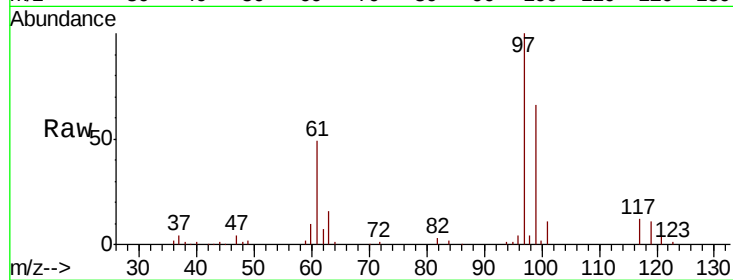
Tot Ion: 97 Resp: 91331

Ion Ratio Lower Upper

97 100

99 63.7 51.6 77.4

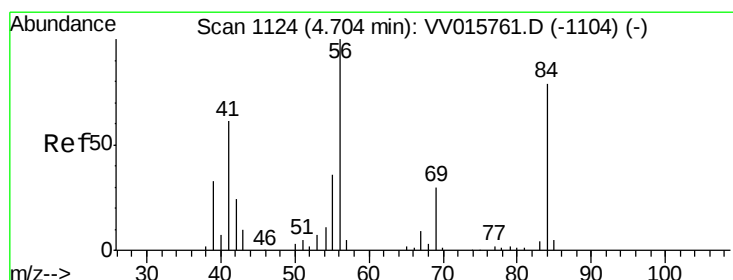
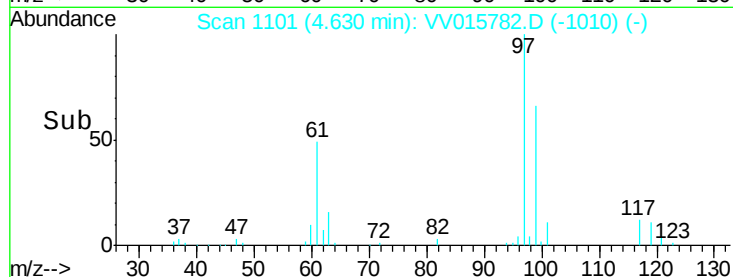
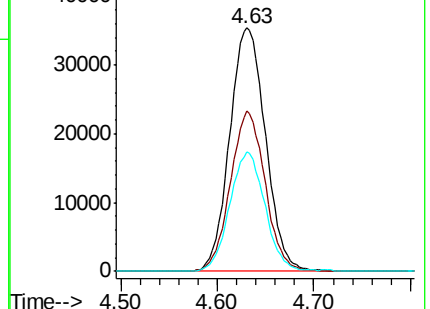
61 48.0 38.6 57.8



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: 5.421 ug/L

RT: 4.70 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VV015782.D

Acq: 29 Apr 2020 10:32

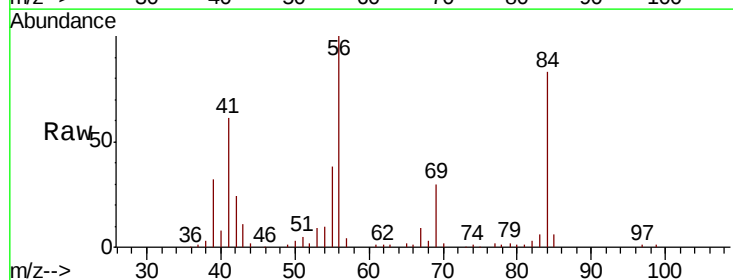
Tgt Ion: 56 Resp: 84111

Ion Ratio Lower Upper

56 100

69 29.7 23.9 35.9

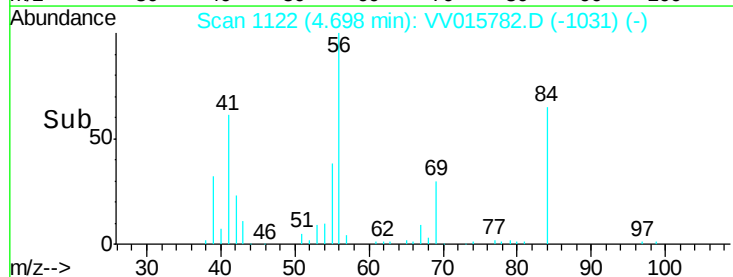
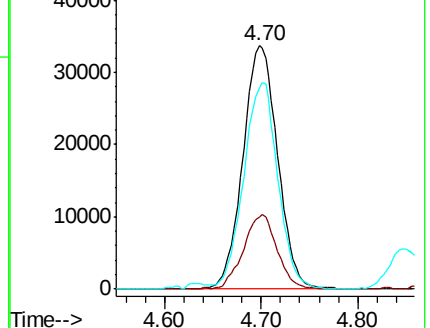
84 83.7 66.9 100.3

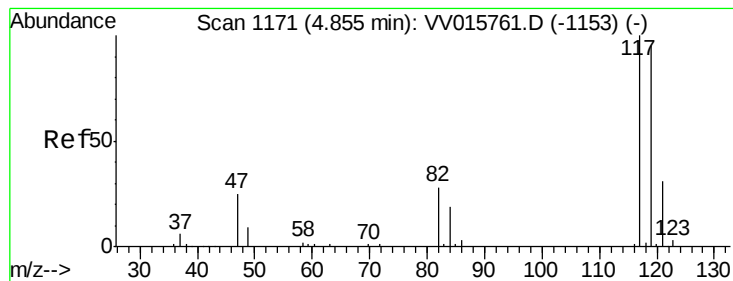


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 5.789 ug/L

RT: 4.85 min Scan# 1169

Delta R.T. -0.01 min

Lab File: VV015782.D

Acq: 29 Apr 2020 10:32

Instrument :

MSVOA_V

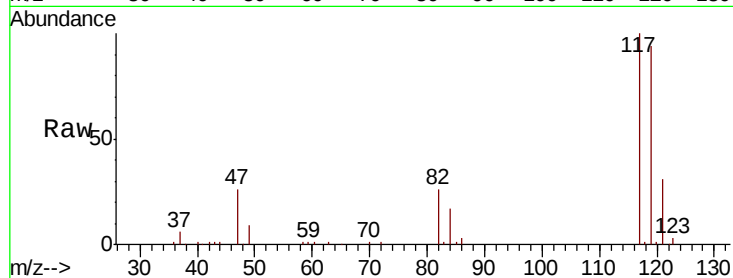
ClientSampleId :

Tot Ion:117 Resp: 77859

Ion Ratio Lower Upper

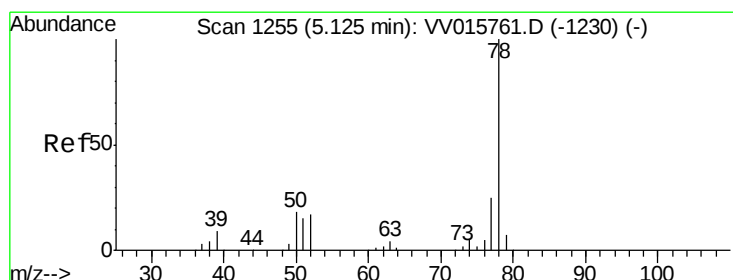
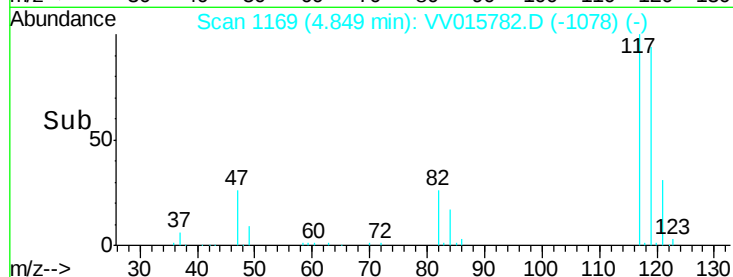
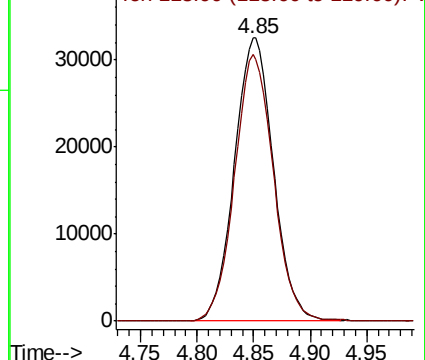
117 100

119 93.8 75.6 113.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.652 ug/L

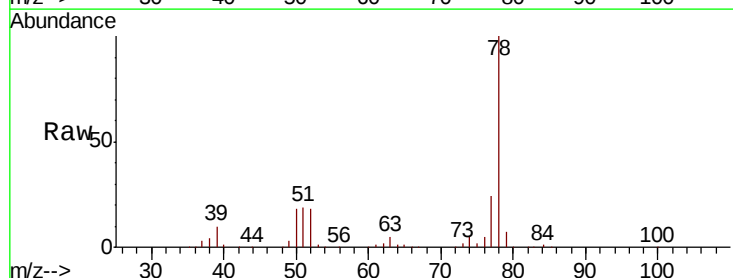
RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

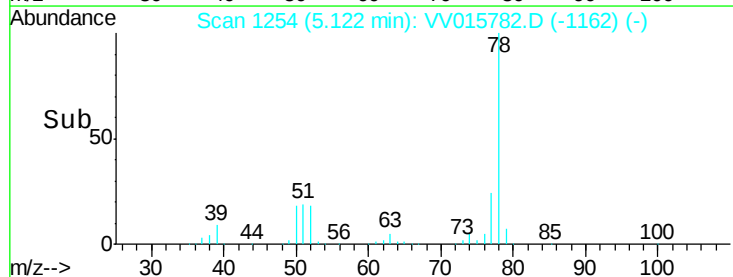
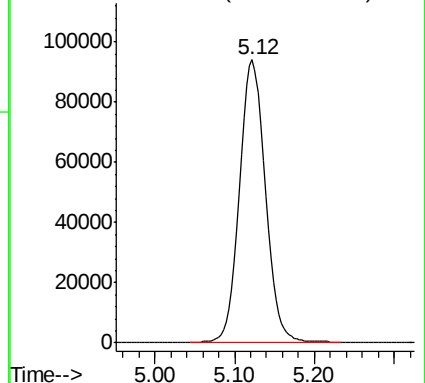
Lab File: VV015782.D

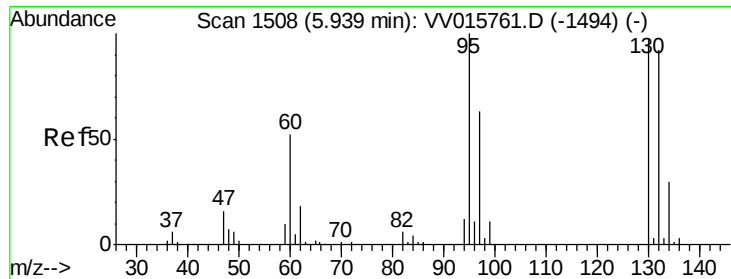
Acq: 29 Apr 2020 10:32

Tgt Ion: 78 Resp: 206788



Abundance Ion 78.10 (77.80 to 78.80): VV0

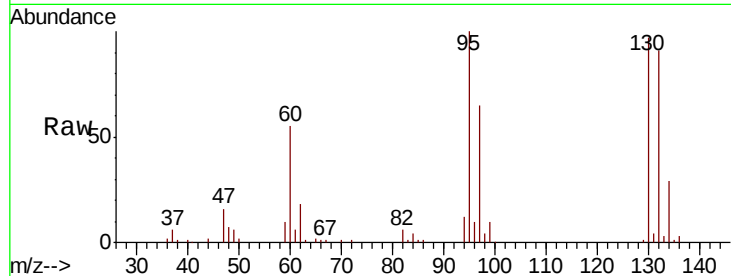




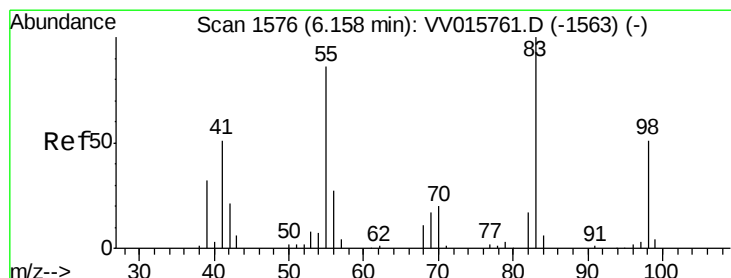
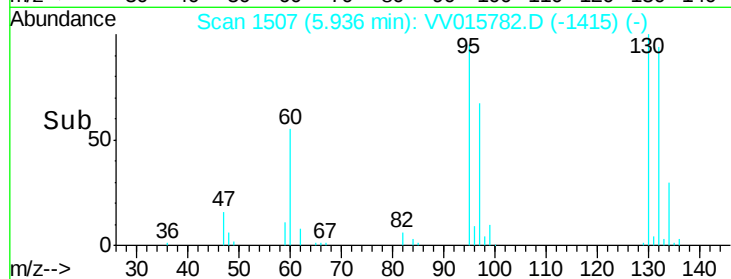
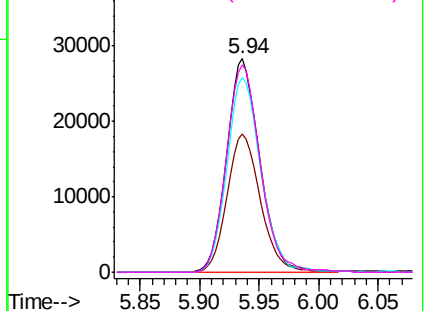
#34
 Trichloroethene
 Concen: 5.426 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VV015782.D
 Acq: 29 Apr 2020 10:32

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 54826
 Ion Ratio Lower Upper
 95 100
 97 64.9 44.7 82.9
 132 91.0 65.2 121.0
 130 97.2 65.0 120.6

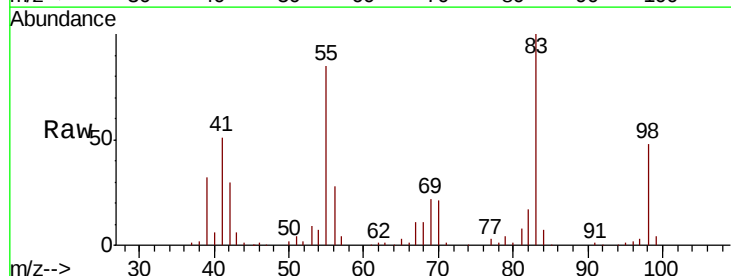


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

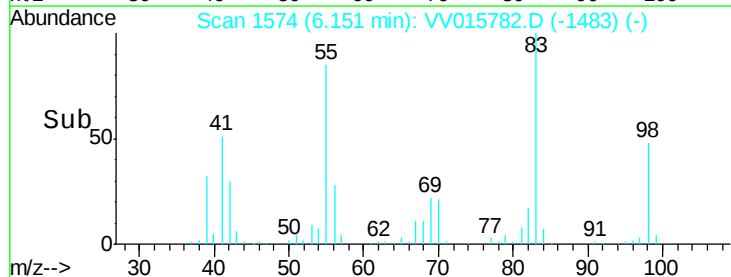
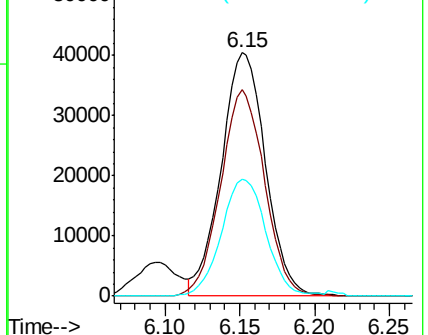


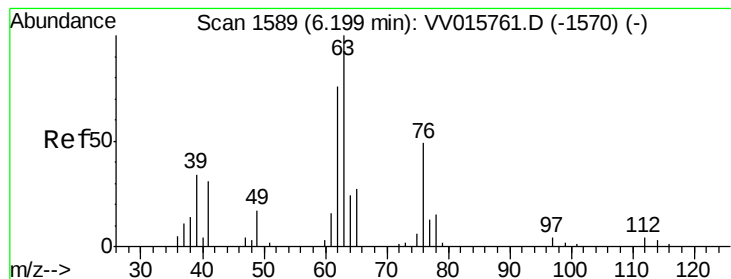
#35
 Methylcyclohexane
 Concen: 5.389 ug/L
 RT: 6.15 min Scan# 1574
 Delta R.T. -0.01 min
 Lab File: VV015782.D
 Acq: 29 Apr 2020 10:32

Tgt Ion: 83 Resp: 83575
 Ion Ratio Lower Upper
 83 100
 55 84.3 66.6 99.8
 98 48.4 39.5 59.3



Abundance Ion 83.15 (82.85 to 83.85): VV0
 Ion 55.10 (54.80 to 55.80): VV0
 Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 5.752 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. -0.00 min

Lab File: VV015782.D

Acq: 29 Apr 2020 10:32

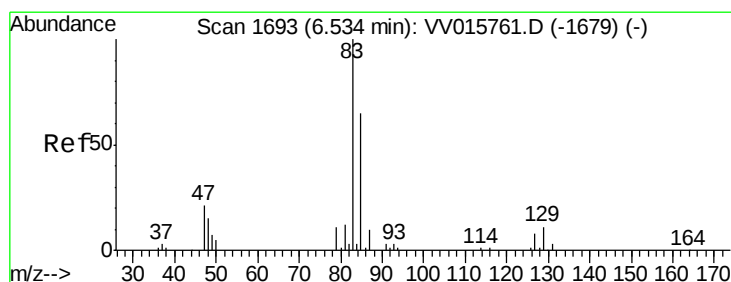
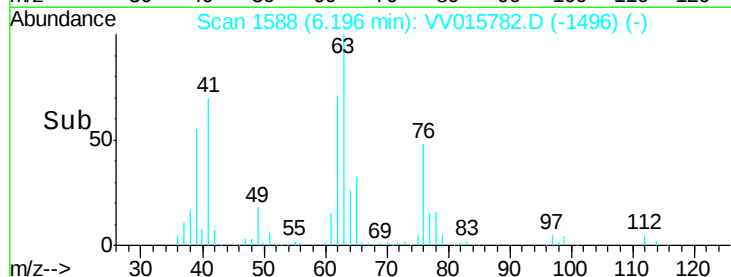
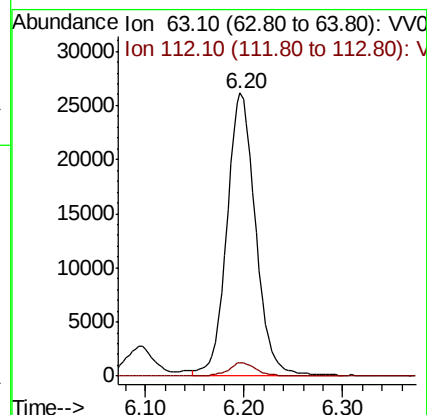
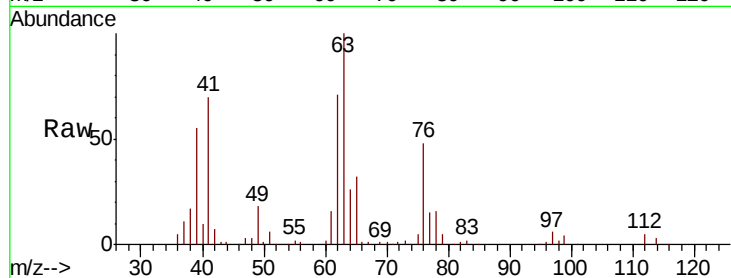
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 63 Resp: 53495

Ion Ratio Lower Upper

63 100

112 4.4 3.6 5.4



#38

Bromodichloromethane

Concen: 5.735 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VV015782.D

Acq: 29 Apr 2020 10:32

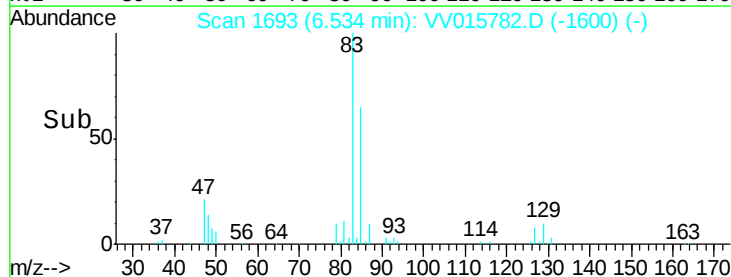
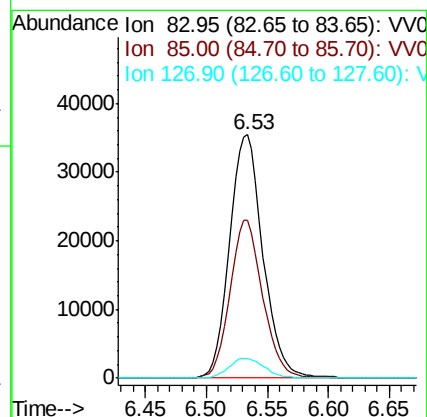
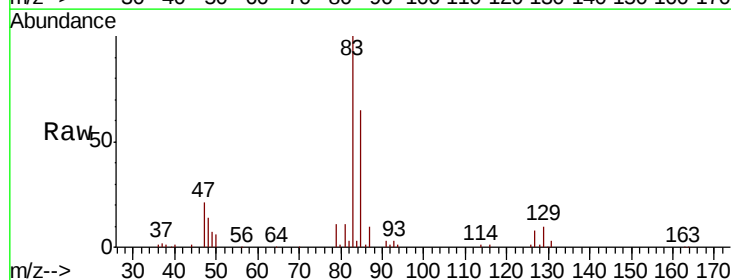
Tgt Ion: 83 Resp: 67732

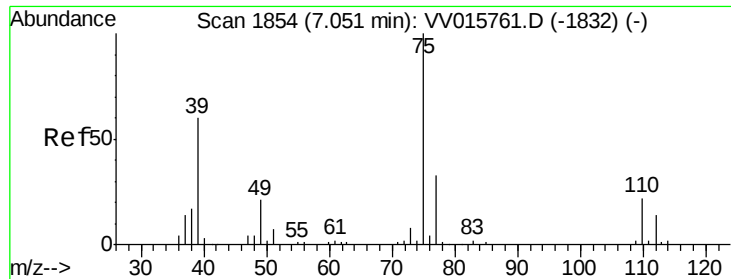
Ion Ratio Lower Upper

83 100

85 64.8 44.7 83.1

127 8.2 5.8 8.6

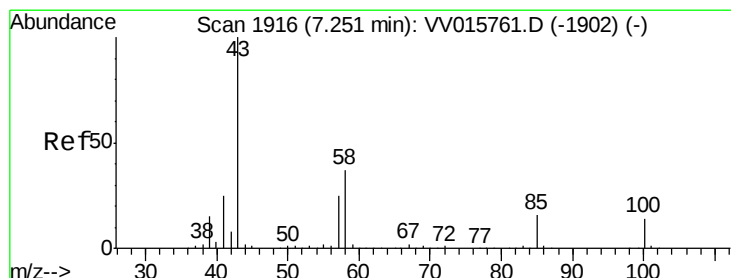
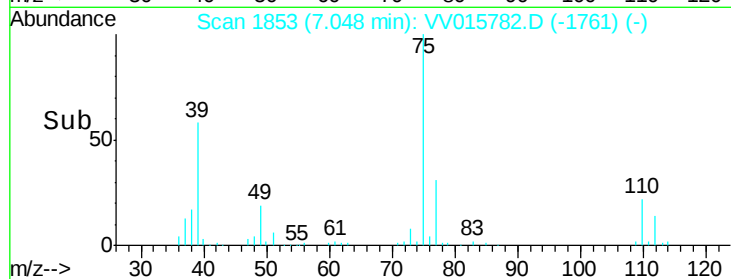
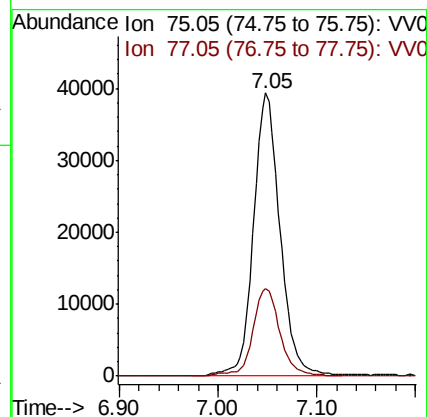
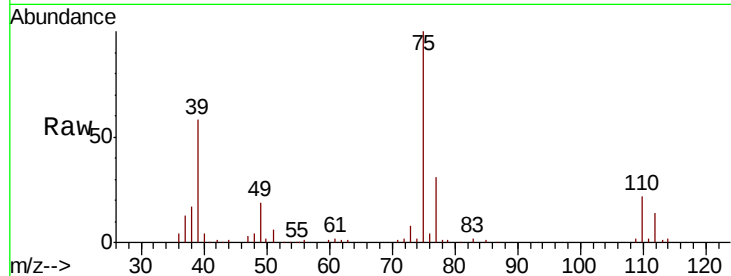




#39
 cis-1,3-Dichloropropene
 Concen: 5.628 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV015782.D
 Acq: 29 Apr 2020 10:32

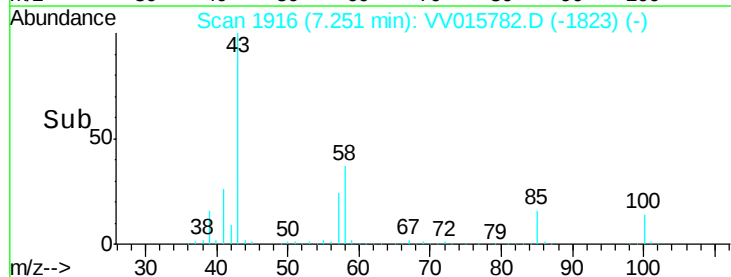
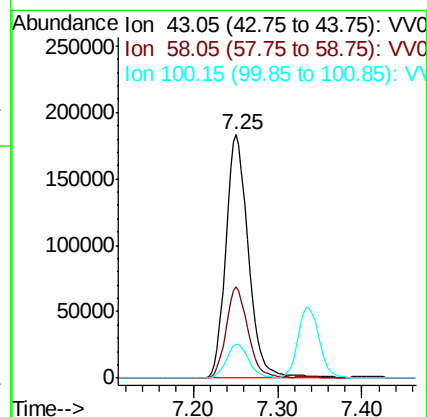
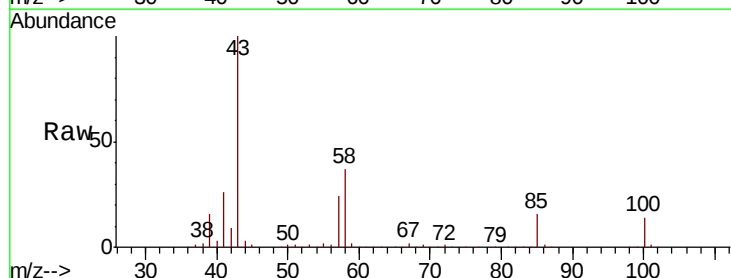
Instrument :
 MSVOA_V
 ClientSampleId :

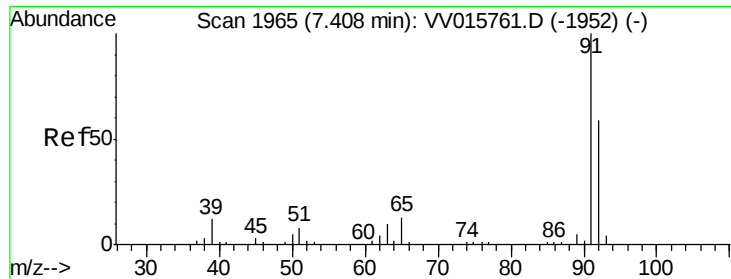
Tot Ion: 75 Resp: 72958
 Ion Ratio Lower Upper
 75 100
 77 31.1 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 56.562 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VV015782.D
 Acq: 29 Apr 2020 10:32

Tgt Ion: 43 Resp: 341413
 Ion Ratio Lower Upper
 43 100
 58 36.3 29.2 43.8
 100 13.8 11.4 17.2





#42

Toluene

Concen: 5.666 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV015782.D

Acq: 29 Apr 2020 10:32

Instrument :

MSVOA_V

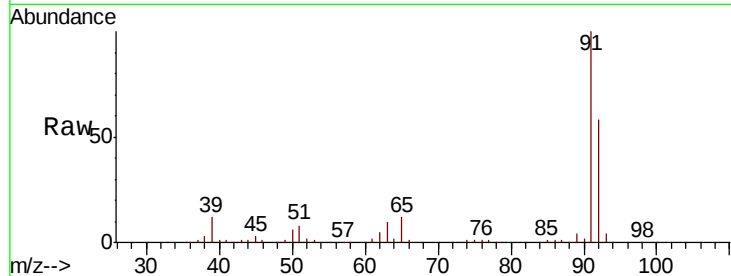
ClientSampleId :

Tot Ion: 91 Resp: 221517

Ion Ratio Lower Upper

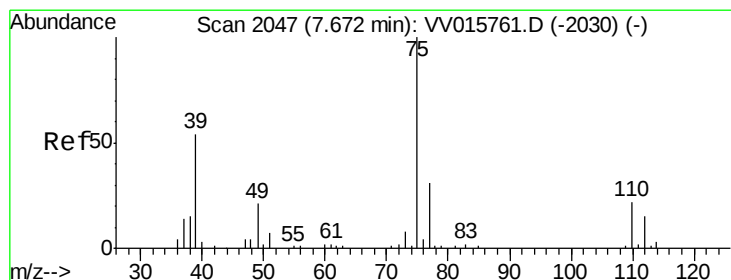
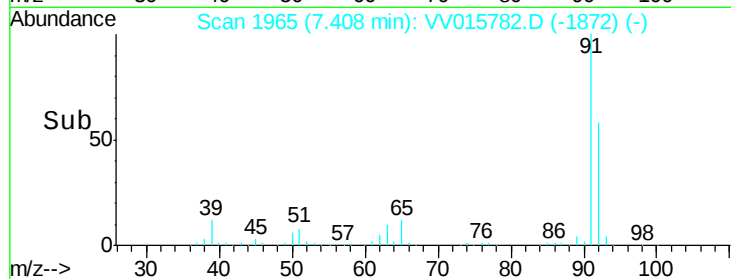
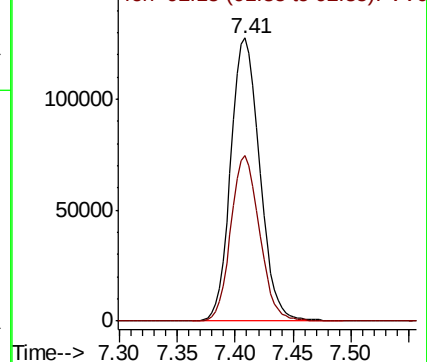
91 100

92 58.4 40.7 75.7



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 5.611 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV015782.D

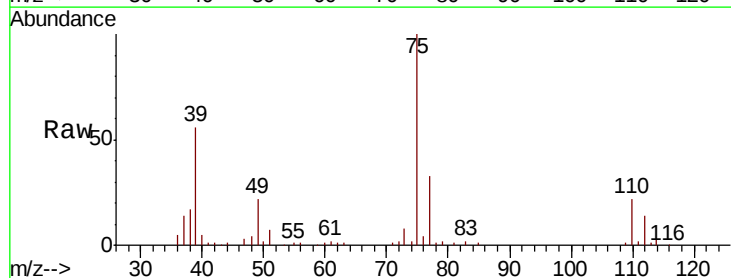
Acq: 29 Apr 2020 10:32

Tgt Ion: 75 Resp: 61123

Ion Ratio Lower Upper

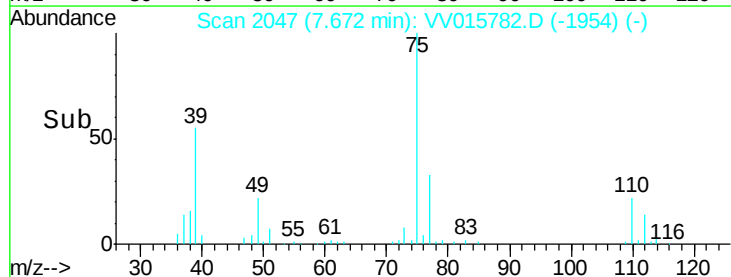
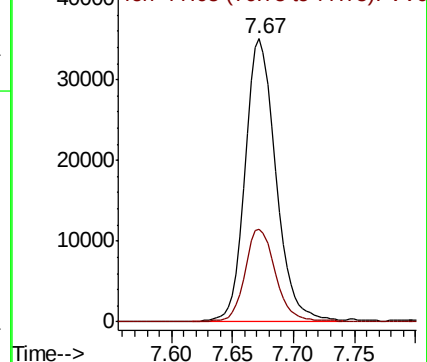
75 100

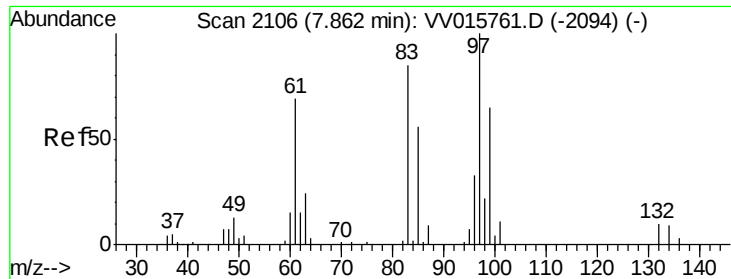
77 32.9 21.8 40.6



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

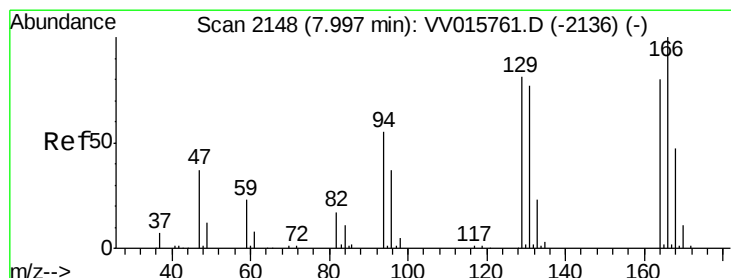
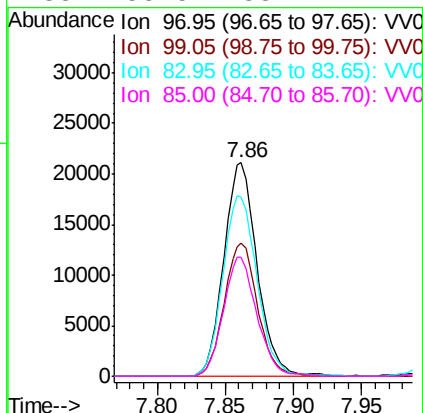
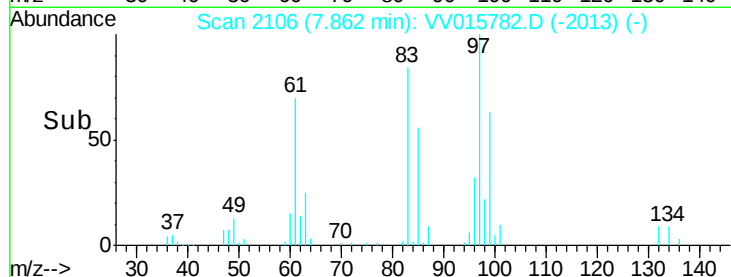
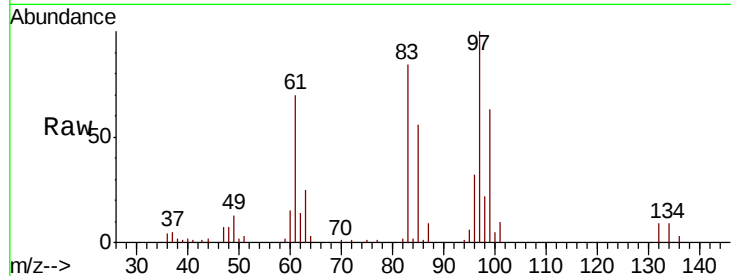




#45
 1,1,2-Trichloroethane
 Concen: 5.644 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV015782.D
 Acq: 29 Apr 2020 10:32

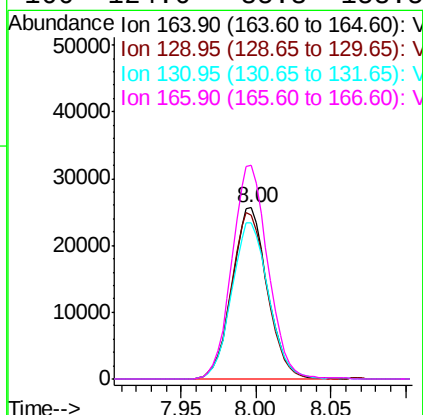
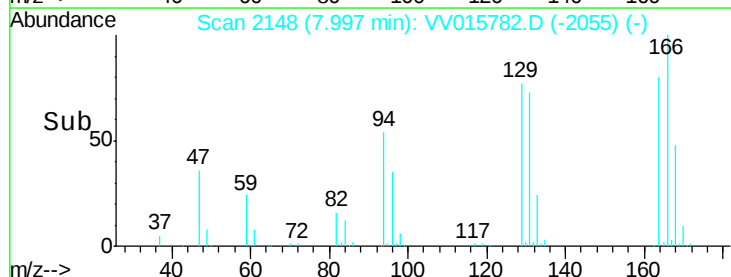
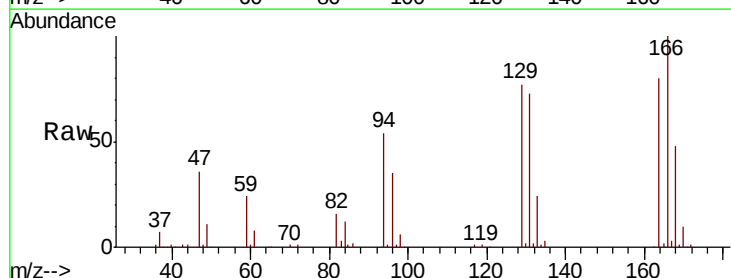
Instrument :
 MSVOA_V
 ClientSampleId :

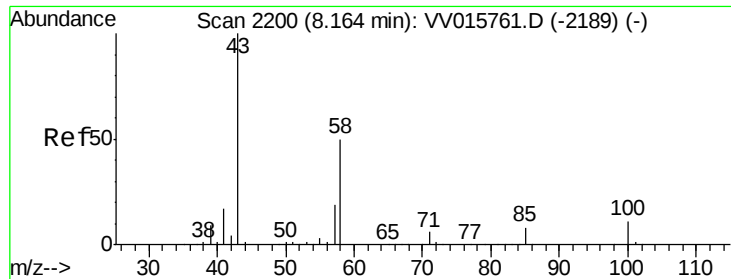
Tot Ion:	97	Resp:	35777
Ion	Ratio	Lower	Upper
97	100		
99	62.6	45.4	84.4
83	84.2	61.3	113.9
85	55.5	38.4	71.4



#47
 Tetrachloroethene
 Concen: 5.804 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV015782.D
 Acq: 29 Apr 2020 10:32

Tgt Ion:	164	Resp:	42231
Ion	Ratio	Lower	Upper
164	100		
129	95.6	66.7	123.9
131	91.2	66.6	123.6
166	124.6	85.3	158.5

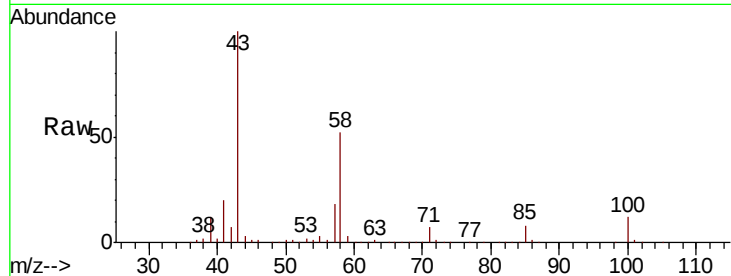




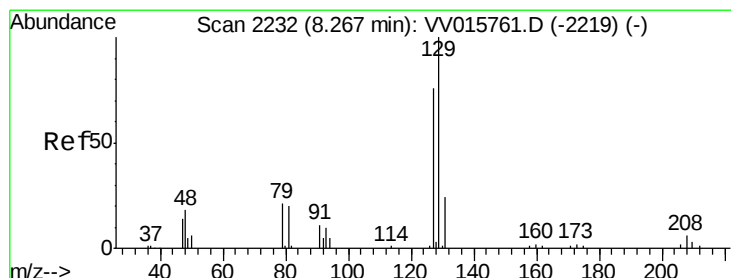
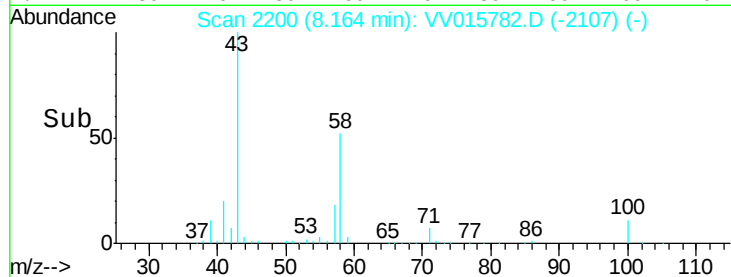
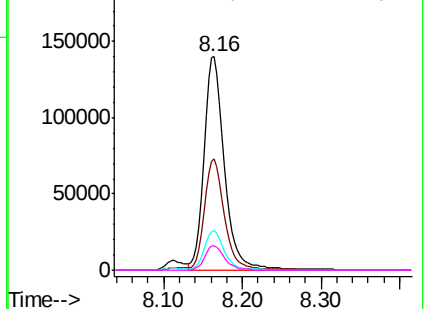
#48
2-Hexanone
Concen: 57.808 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV015782.D
Acq: 29 Apr 2020 10:32

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 248830
Ion Ratio Lower Upper
43 100
58 50.5 41.1 61.7
57 18.5 15.0 22.4
100 11.2 9.0 13.4

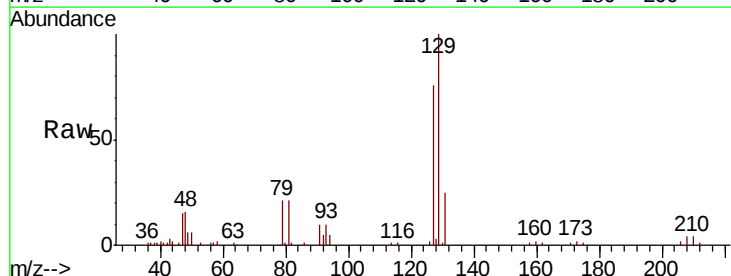


Abundance Ion 43.05 (42.75 to 43.75): VV015782.D (-2107) (-)
Ion 58.05 (57.75 to 58.75): VV015782.D (-2107) (-)
Ion 57.20 (56.90 to 57.90): VV015782.D (-2107) (-)
Ion 100.15 (99.85 to 100.85): VV015782.D (-2107) (-)

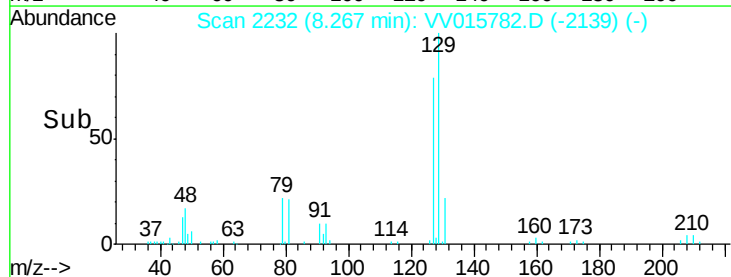
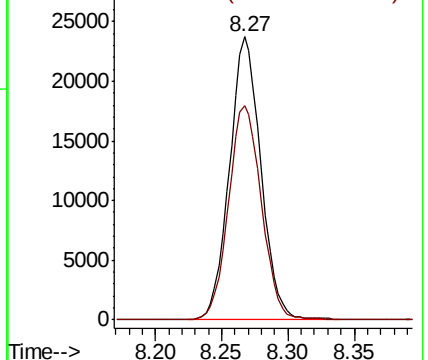


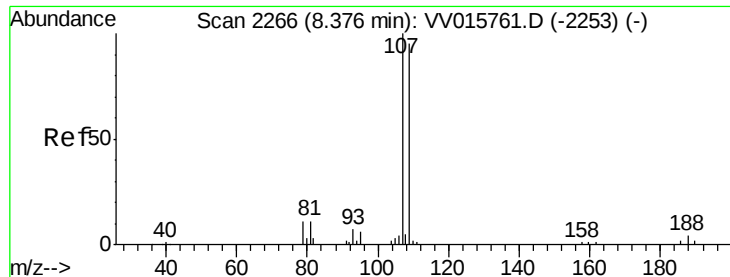
#49
Dibromochloromethane
Concen: 5.953 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV015782.D
Acq: 29 Apr 2020 10:32

Tgt Ion: 129 Resp: 39055
Ion Ratio Lower Upper
129 100
127 75.8 52.6 97.8



Abundance Ion 128.95 (128.65 to 129.65): VV015782.D (-2139) (-)
Ion 126.90 (126.60 to 127.60): VV015782.D (-2139) (-)

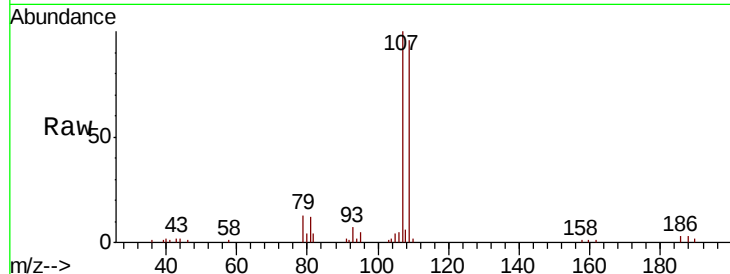




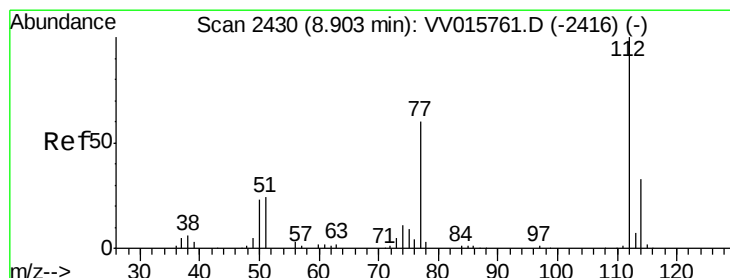
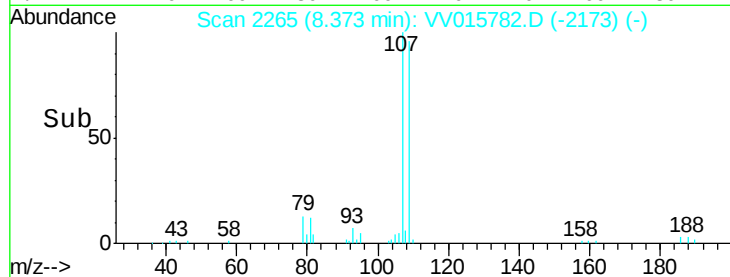
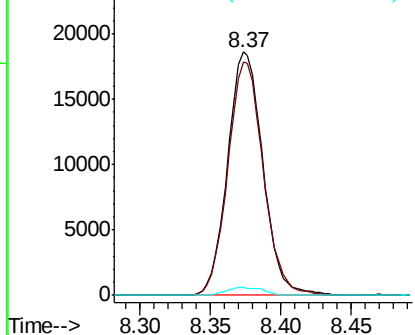
#50
1,2-Dibromoethane
Concen: 5.560 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. -0.00 min
Lab File: VV015782.D
Acq: 29 Apr 2020 10:32

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:107 Resp: 32595
Ion Ratio Lower Upper
107 100
109 95.7 68.1 126.5
188 3.4 3.2 4.8

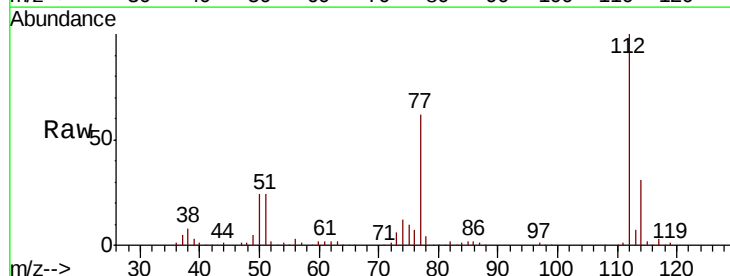


Abundance Ion 106.95 (106.65 to 107.65): V
25000 Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

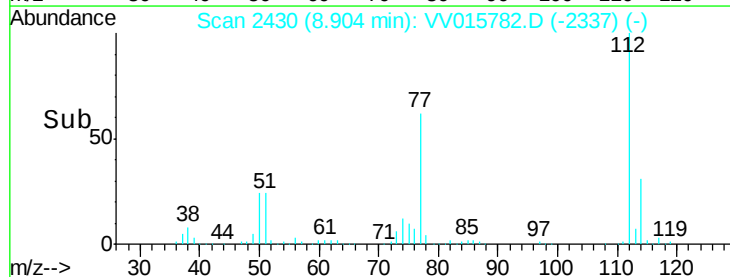
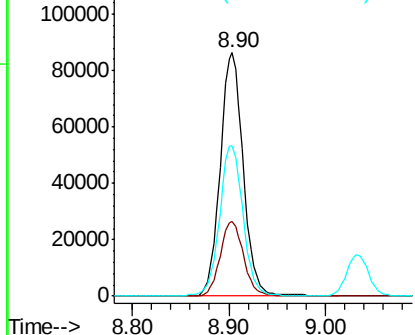


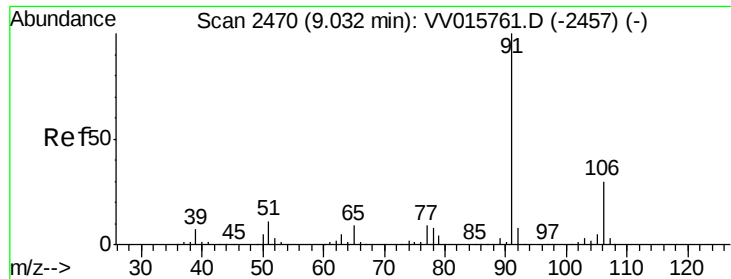
#51
Chlorobenzene
Concen: 5.553 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV015782.D
Acq: 29 Apr 2020 10:32

Tgt Ion:112 Resp: 142228
Ion Ratio Lower Upper
112 100
114 30.8 21.6 40.2
77 61.9 48.9 73.3



Abundance Ion 112.10 (111.80 to 112.80): V
120000 Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 5.566 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV015782.D

Acq: 29 Apr 2020 10:32

Instrument :

MSVOA_V

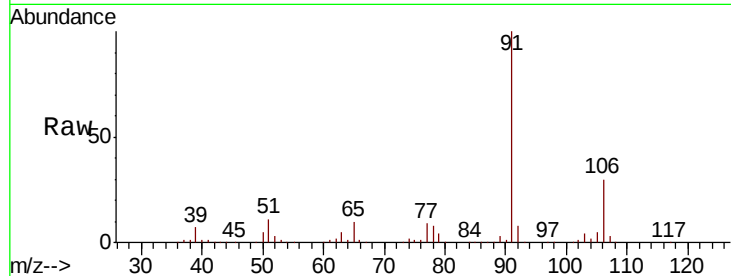
ClientSampleId :

Tot Ion: 91 Resp: 251845

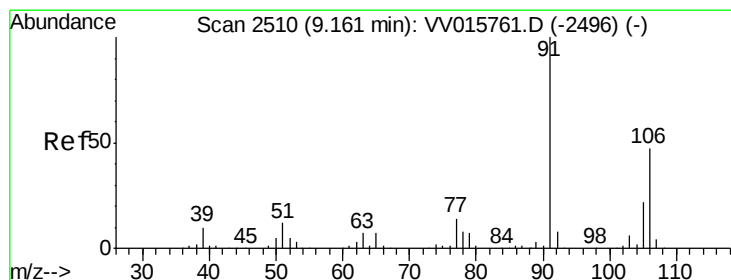
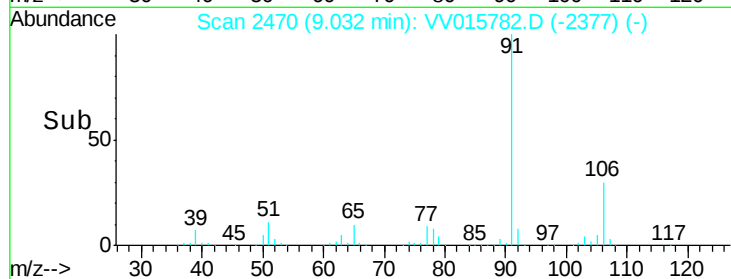
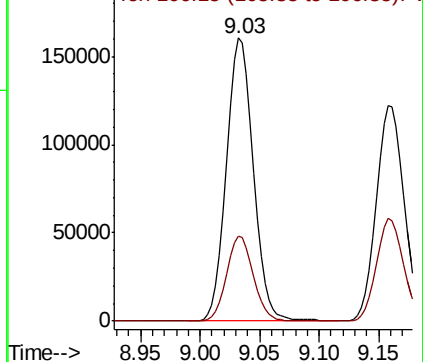
Ion Ratio Lower Upper

91 100

106 30.2 21.3 39.5



Abundance Ion 91.15 (90.85 to 91.85): VV015782.D (-2377) (-)



#53

m,p-xylene

Concen: 5.639 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV015782.D

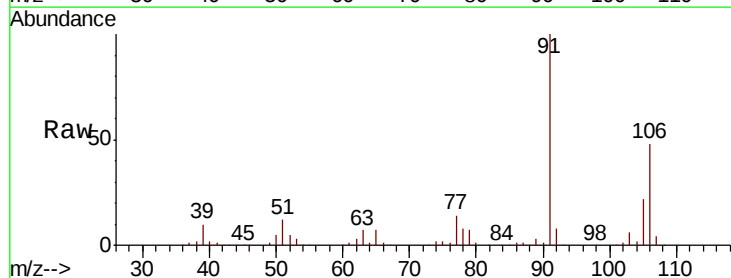
Acq: 29 Apr 2020 10:32

Tgt Ion: 106 Resp: 93447

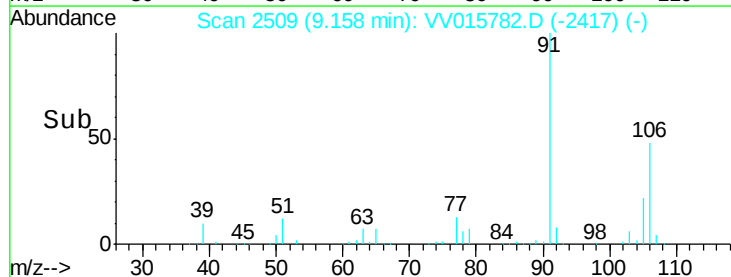
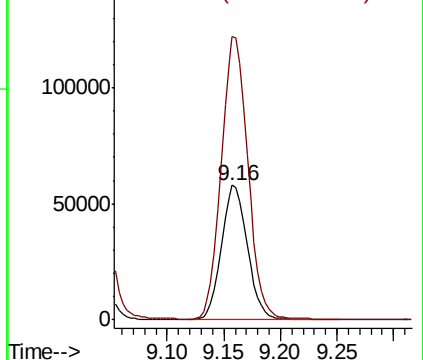
Ion Ratio Lower Upper

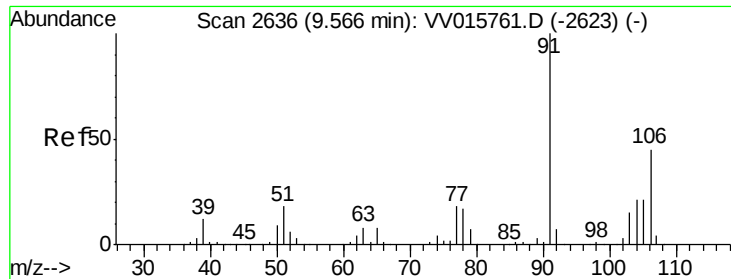
106 100

91 210.2 147.8 274.4



Abundance Ion 106.15 (105.85 to 106.85): VV015782.D (-2417) (-)

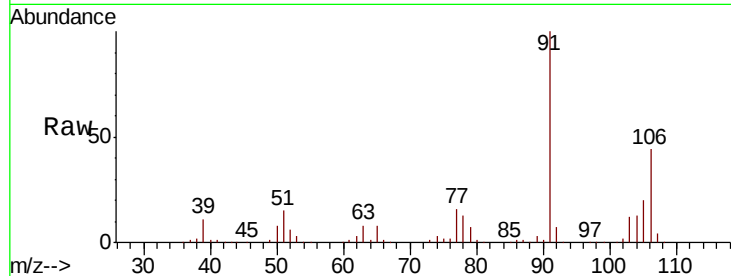




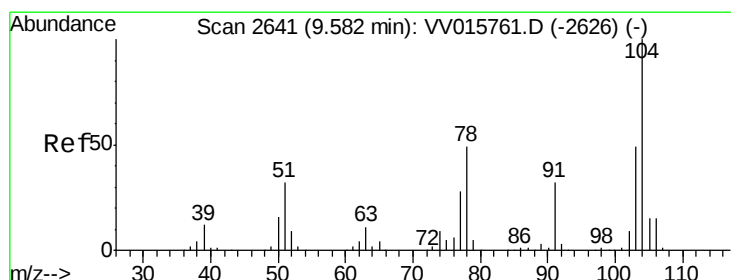
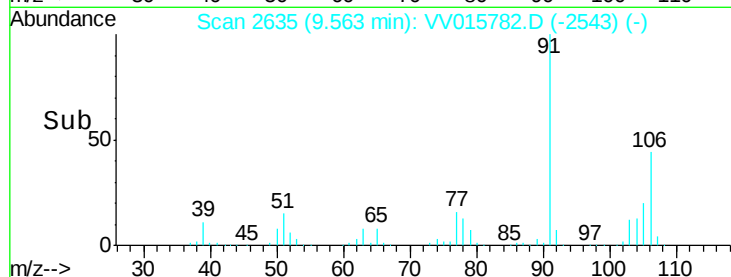
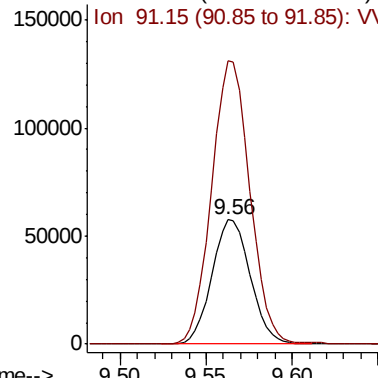
#54
o-xylene
Concen: 5.564 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV015782.D
Acq: 29 Apr 2020 10:32

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 89228
Ion Ratio Lower Upper
106 100
91 227.7 159.8 296.8

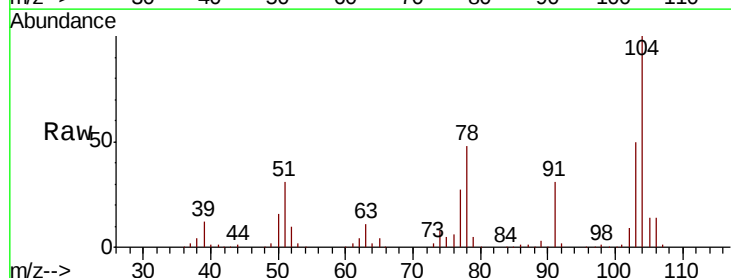


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

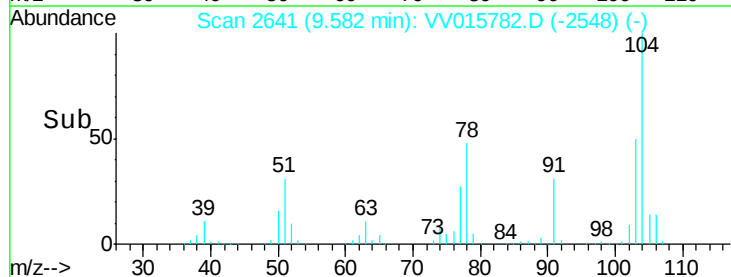
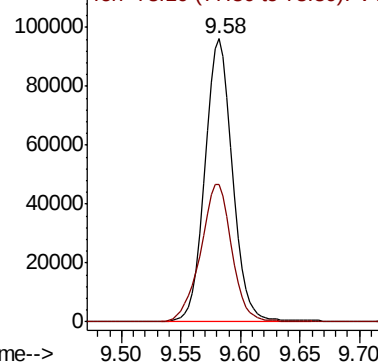


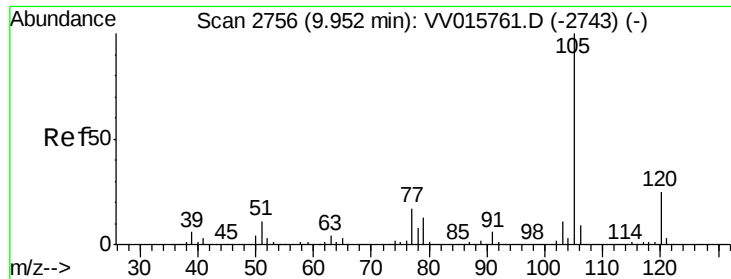
#55
Styrene
Concen: 5.685 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV015782.D
Acq: 29 Apr 2020 10:32

Tgt Ion:104 Resp: 154679
Ion Ratio Lower Upper
104 100
78 48.4 34.5 64.1



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





#56

Isopropylbenzene

Concen: 5.558 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV015782.D

Acq: 29 Apr 2020 10:32

Instrument :

MSVOA_V

ClientSampleId :

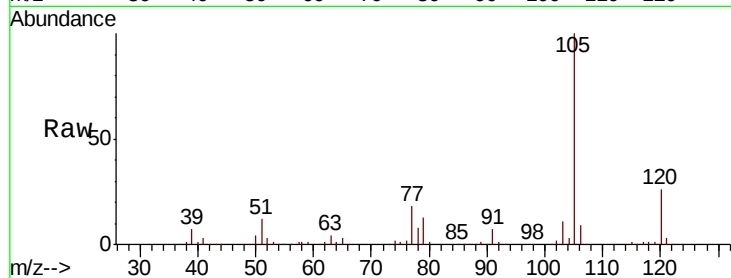
Tot Ion:105 Resp: 250047

Ion Ratio Lower Upper

105 100

120 25.5 20.7 31.1

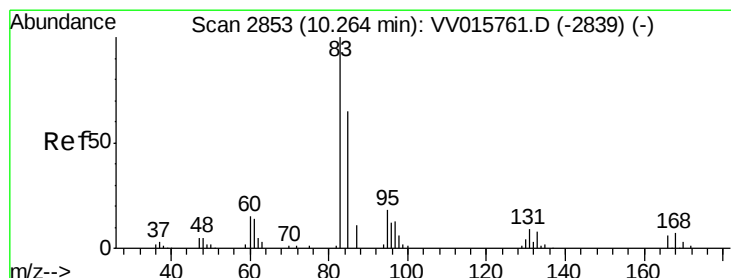
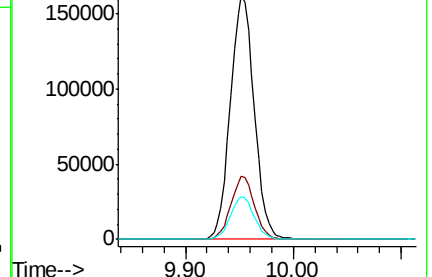
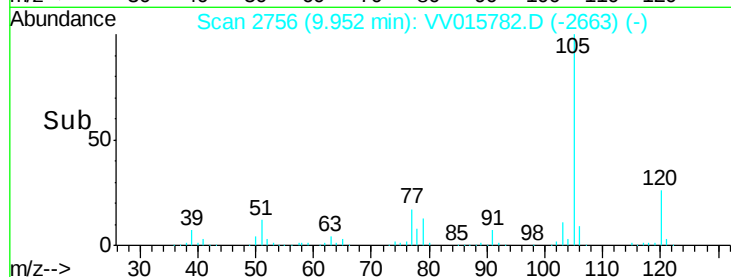
77 17.5 13.9 20.9



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: 5.600 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV015782.D

Acq: 29 Apr 2020 10:32

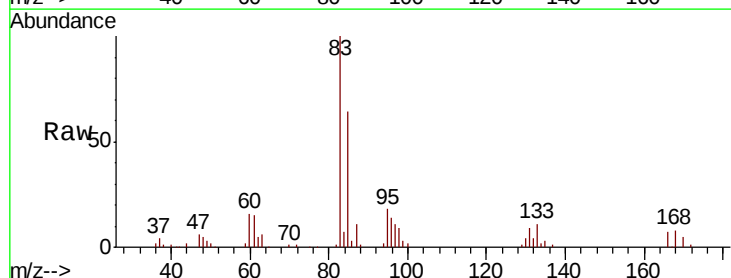
Tgt Ion: 83 Resp: 41453

Ion Ratio Lower Upper

83 100

85 64.2 46.3 85.9

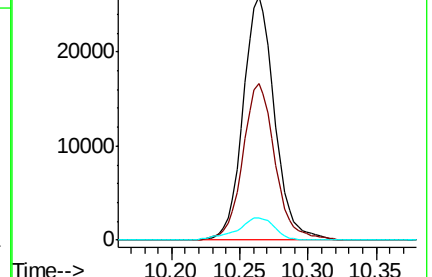
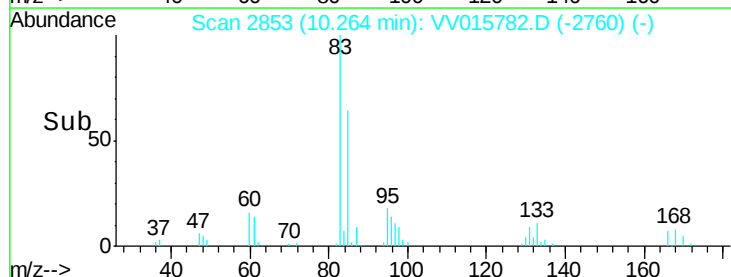
131 9.2 7.7 11.5

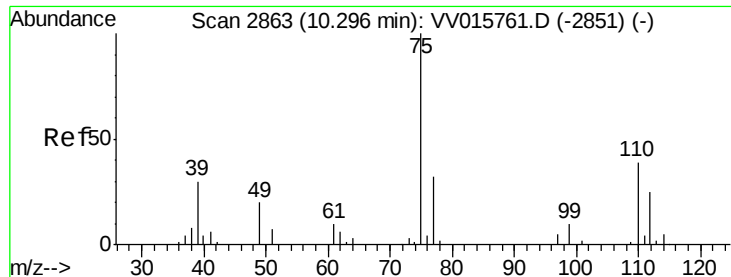


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

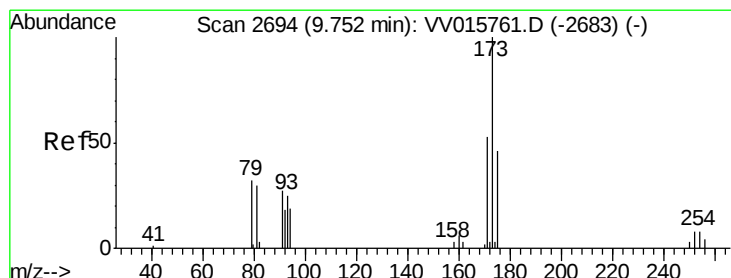
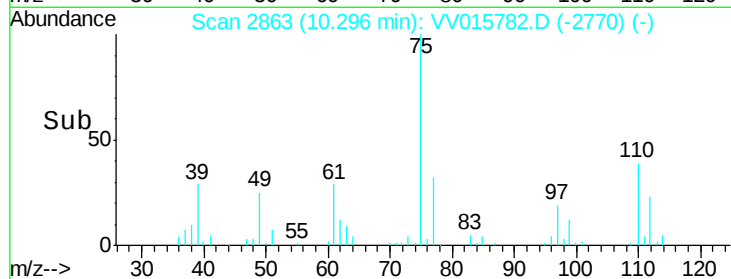
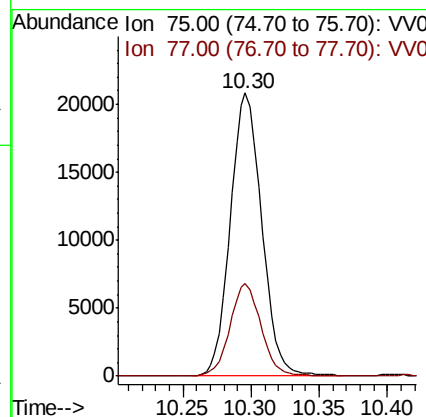
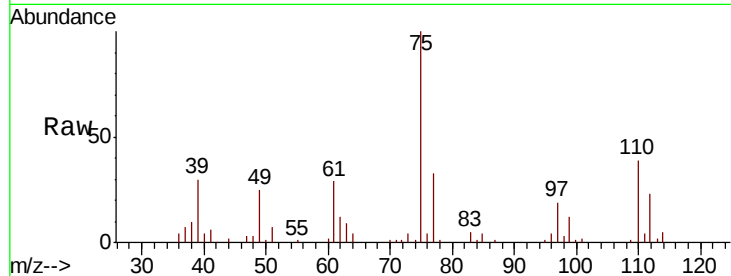




#59
 1,2,3-Trichloropropane
 Concen: 5.628 ug/L
 RT: 10.30 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VV015782.D
 Acq: 29 Apr 2020 10:32

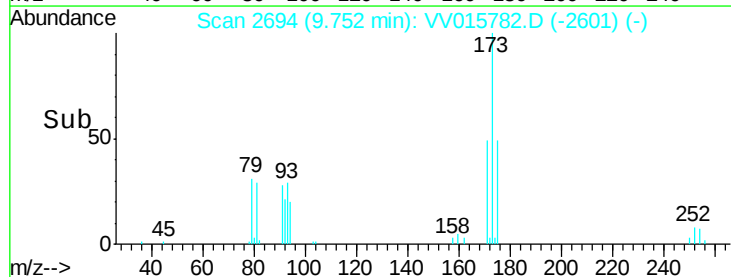
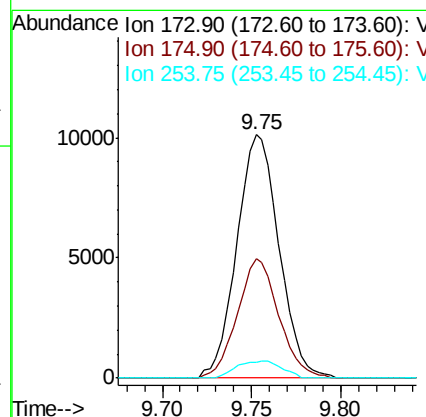
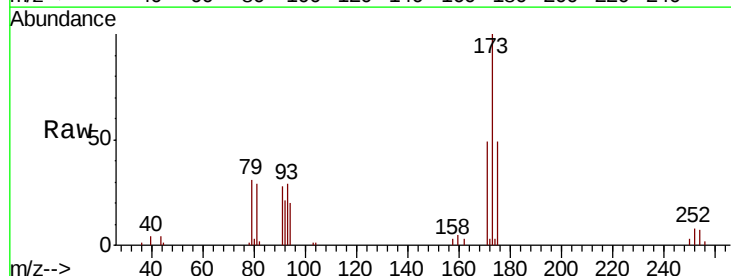
Instrument :
 MSVOA_V
 ClientSampleId :

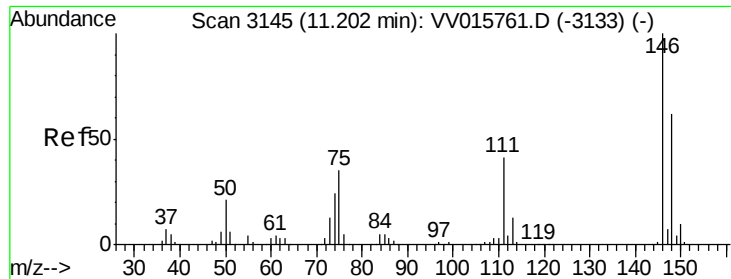
Tot Ion: 75 Resp: 33418
 Ion Ratio Lower Upper
 75 100
 77 32.1 26.0 39.0



#61
 Bromoform
 Concen: 6.257 ug/L
 RT: 9.75 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VV015782.D
 Acq: 29 Apr 2020 10:32

Tgt Ion: 173 Resp: 16753
 Ion Ratio Lower Upper
 173 100
 175 47.9 39.8 59.8
 254 7.6 5.8 8.8





#62

1,3-Dichlorobenzene

Concen: 5.609 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV015782.D

Acq: 29 Apr 2020 10:32

Instrument :

MSVOA_V

ClientSampled :

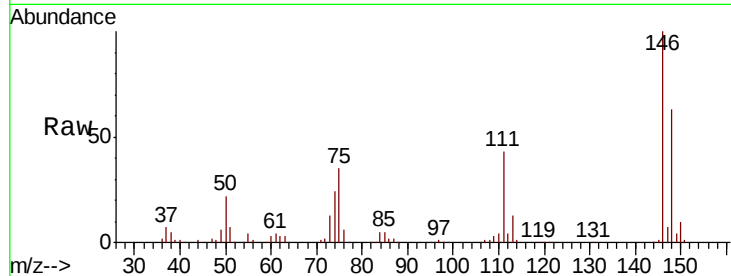
Tot Ion:146 Resp: 115137

Ion Ratio Lower Upper

146 100

111 43.1 30.0 55.6

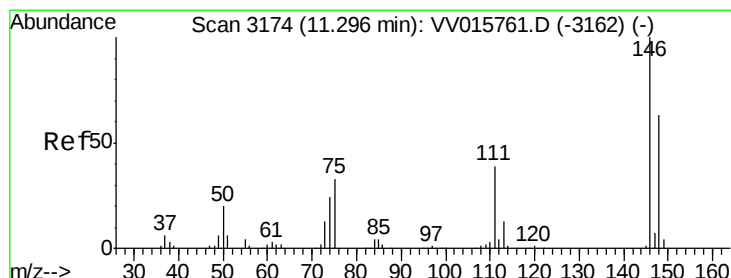
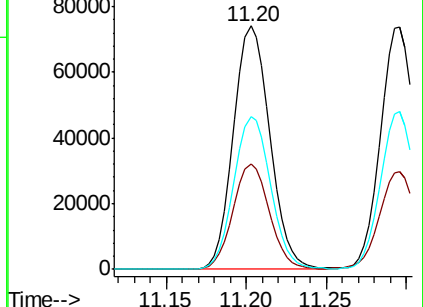
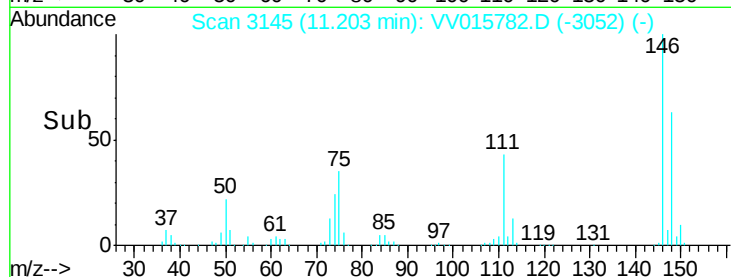
148 62.6 44.2 82.2



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



#63

1,4-Dichlorobenzene

Concen: 5.512 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV015782.D

Acq: 29 Apr 2020 10:32

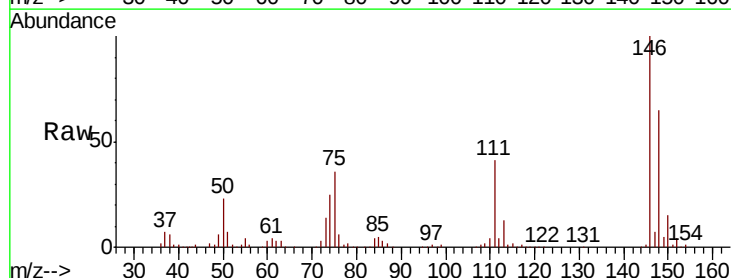
Tgt Ion:146 Resp: 114106

Ion Ratio Lower Upper

146 100

111 40.5 28.2 52.4

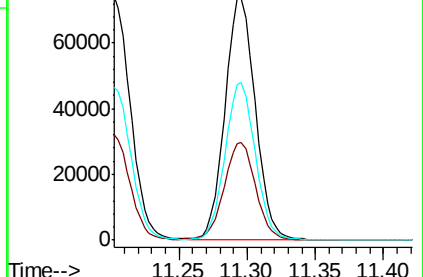
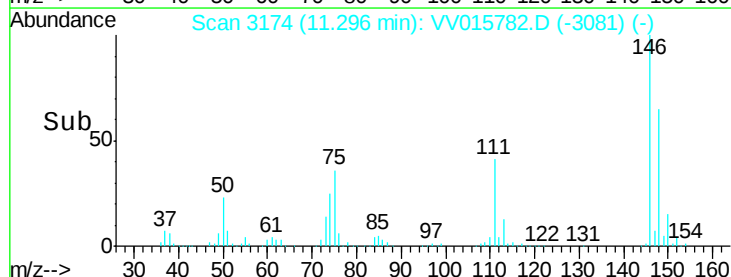
148 64.8 45.7 84.9

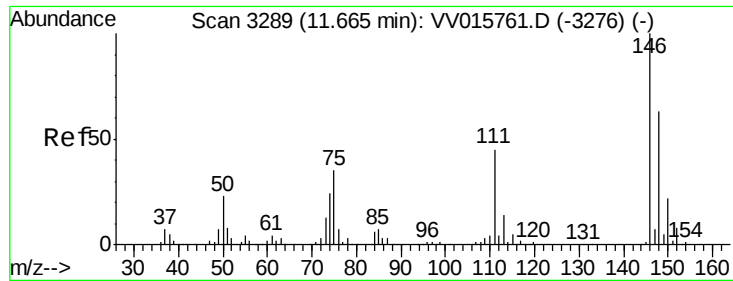


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.679 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV015782.D

Acq: 29 Apr 2020 10:32

Instrument :

MSVOA_V

ClientSampled :

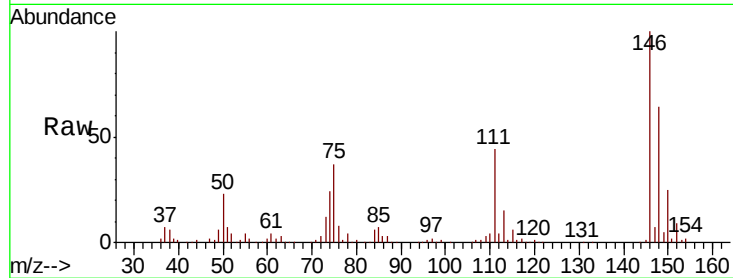
Tot Ion:146 Resp: 105436

Ion Ratio Lower Upper

146 100

111 44.1 34.7 52.1

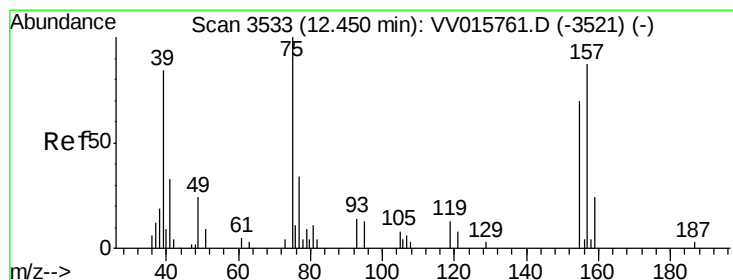
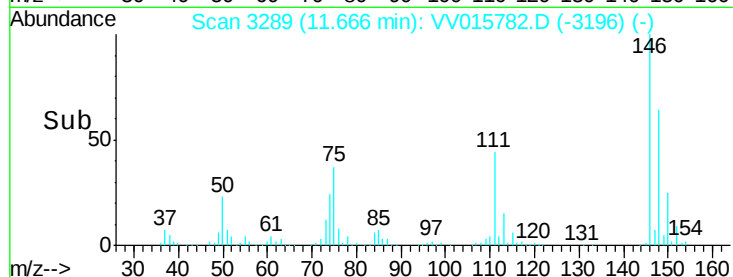
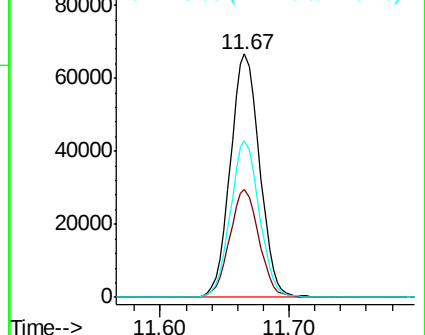
148 64.4 51.3 76.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.613 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV015782.D

Acq: 29 Apr 2020 10:32

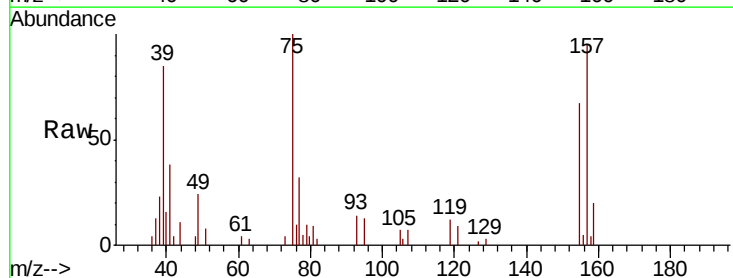
Tgt Ion: 75 Resp: 6789

Ion Ratio Lower Upper

75 100

155 67.4 51.0 76.4

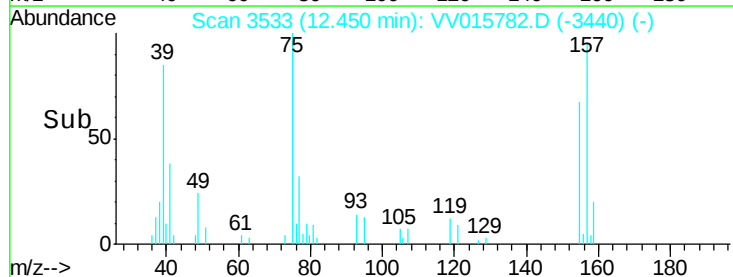
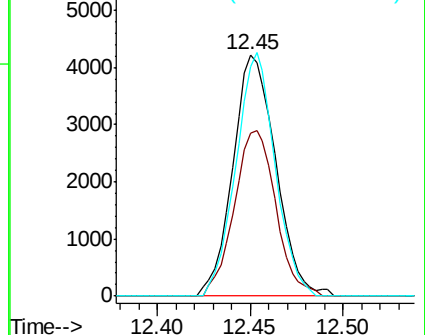
157 95.0 70.6 106.0

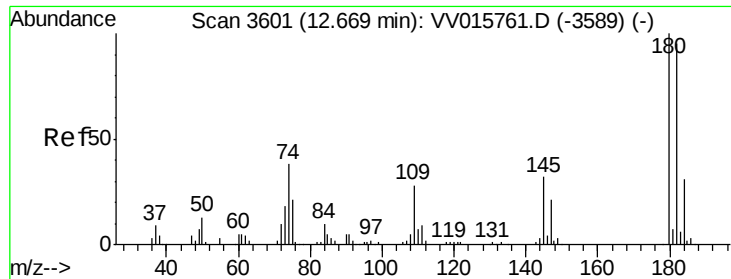


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

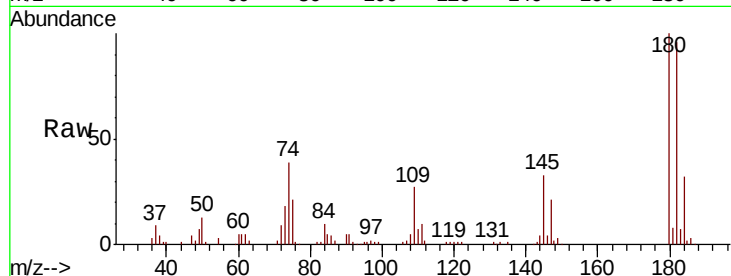




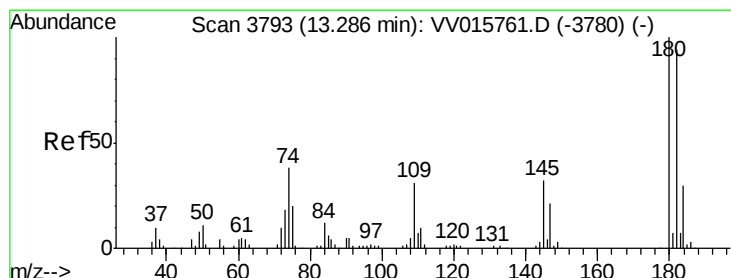
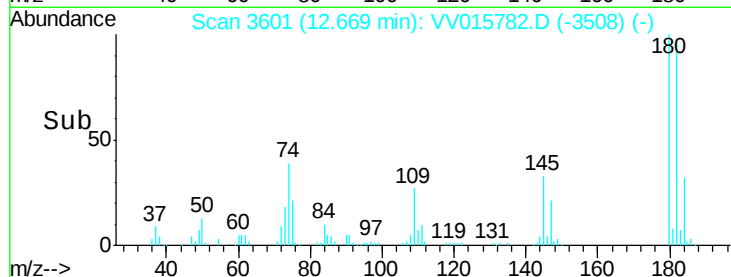
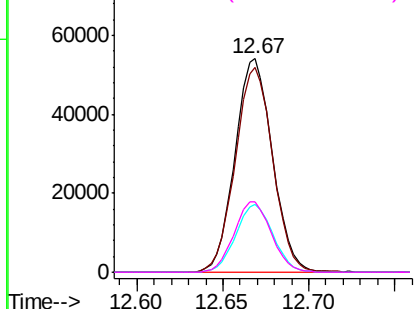
#67
 1,3,5-Trichlorobenzene
 Concen: 5.389 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV015782.D
 Acq: 29 Apr 2020 10:32

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 81744
 Ion Ratio Lower Upper
 180 100
 182 96.3 78.2 117.4
 184 31.4 25.0 37.4
 145 32.7 26.4 39.6

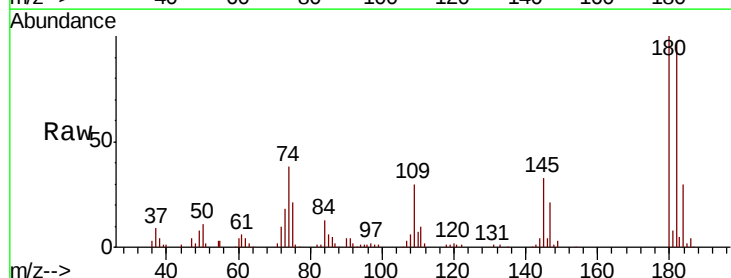


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

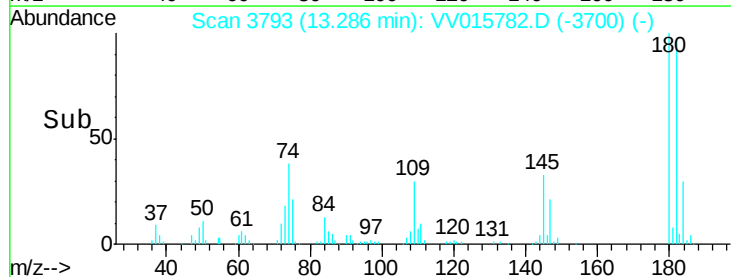
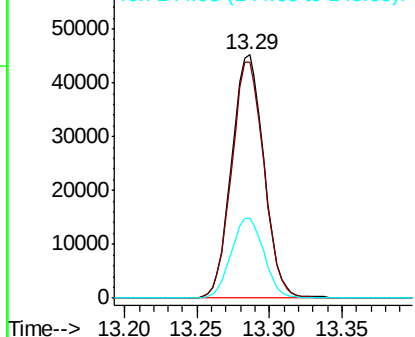


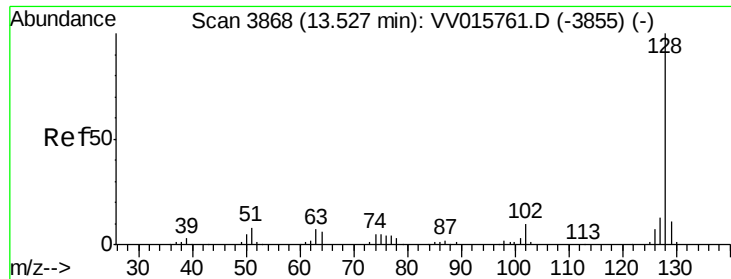
#68
 1,2,4-trichlorobenzene
 Concen: 5.027 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV015782.D
 Acq: 29 Apr 2020 10:32

Tgt Ion:180 Resp: 70179
 Ion Ratio Lower Upper
 180 100
 182 96.8 74.8 112.2
 145 33.5 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: 4.868 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV015782.D

Acq: 29 Apr 2020 10:32

Instrument :

MSVOA_V

ClientSampleId :

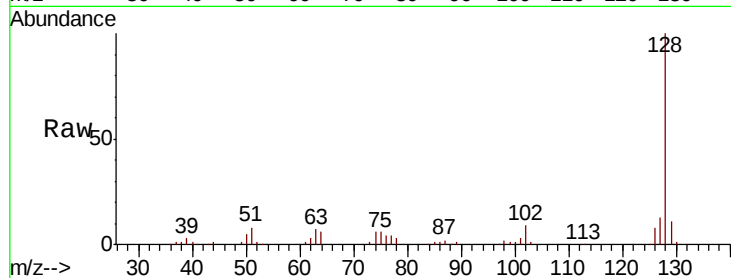
Tot Ion:128 Resp: 121638

Ion Ratio Lower Upper

128 100

129 10.6 8.4 12.6

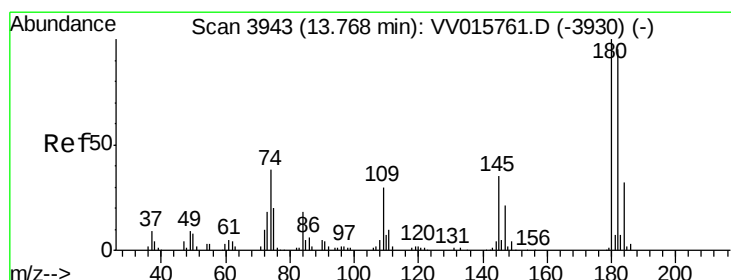
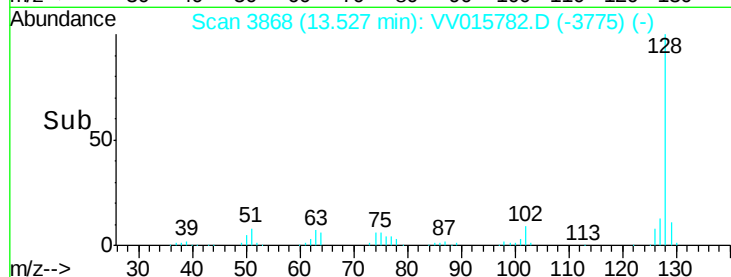
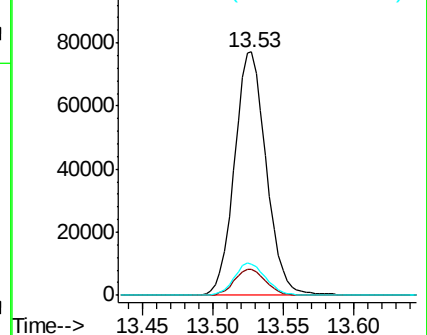
127 13.2 10.2 15.4



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: 5.170 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV015782.D

Acq: 29 Apr 2020 10:32

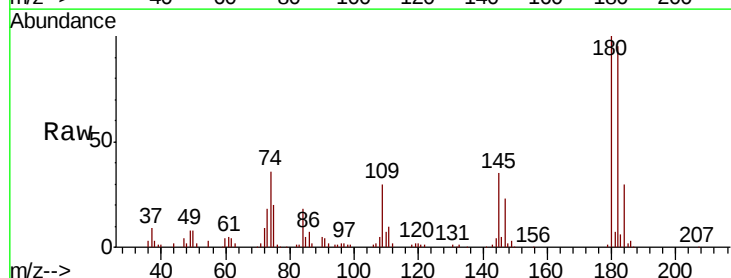
Tgt Ion:180 Resp: 63703

Ion Ratio Lower Upper

180 100

182 95.6 74.8 112.2

145 35.2 28.4 42.6



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

