

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042520\
 Data File : VV015690.D
 Acq On : 25 Apr 2020 13:11
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 27 01:00:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Apr 25 00:15:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	134595	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	130599	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	65462	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	30682	4.36	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.20%
7) Chloroethane-d5	1.57	69	31040	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.60%
11) 1,1-Dichloroethene-d2	2.12	63	74031	4.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.20%
20) 2-Butanone-d5	3.92	46	113514	50.26	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.52%
24) Chloroform-d	4.37	84	80210	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
26) 1,2-Dichloroethane-d4	5.05	65	45130	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.40%
32) Benzene-d6	5.07	84	146801	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
36) 1,2-Dichloropropane-d6	6.09	67	47051	4.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.40%
41) Toluene-d8	7.33	98	140973	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
43) trans-1,3-Dichloropropene-	7.64	79	16644	4.32	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.40%
46) 2-Hexanone-d5	8.11	63	90388	48.12	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.24%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	36229	4.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.60%
64) 1,2-Dichlorobenzene-d4	11.65	152	52660	4.73	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.13	85	57326	4.973	ug/L 99
3) Chloromethane	1.24	50	47356	4.748	ug/L 98
5) Vinyl chloride	1.32	62	53116	4.986	ug/L 100
6) Bromomethane	1.53	94	17911	3.916	ug/L 90
8) Chloroethane	1.59	64	34895	4.988	ug/L 98
9) Trichlorofluoromethane	1.76	101	78615	5.259	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	42113	4.980	ug/L 97
12) 1,1-Dichloroethene	2.13	96	40066	5.115	ug/L 98
13) Acetone	2.21	43	77245	49.255	ug/L 99
14) Carbon disulfide	2.30	76	110826	5.005	ug/L 100
15) Methyl Acetate	2.45	43	19247	5.161	ug/L 97
16) Methylene chloride	2.52	84	45504	4.705	ug/L 99
17) Methyl tert-butyl Ether	2.78	73	112214	5.103	ug/L 99
18) trans-1,2-Dichloroethene	2.77	96	44063	5.024	ug/L 96
19) 1,1-Dichloroethane	3.21	63	90958	5.281	ug/L 97
21) 2-Butanone	4.01	43	121795	50.349	ug/L 97
22) cis-1,2-Dichloroethene	3.93	96	48395	4.990	ug/L 99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042520\
 Data File : VV015690.D
 Acq On : 25 Apr 2020 13:11
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 27 01:00:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Apr 25 00:15:39 2020
 Response via : Initial Calibration

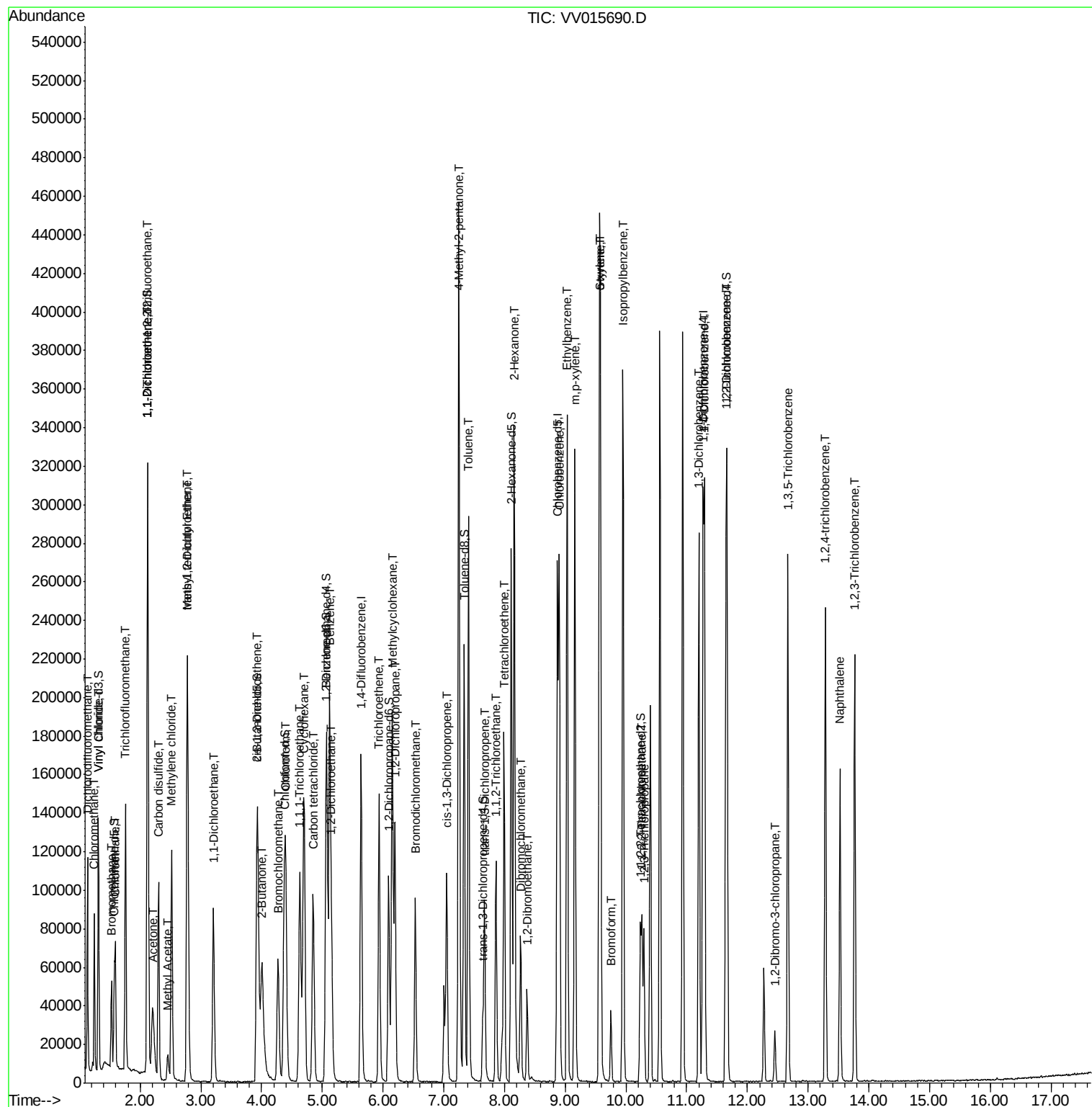
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	20765	5.242	ug/L	99
25) Chloroform	4.40	83	96167	5.260	ug/L	97
27) 1,2-Dichloroethane	5.15	62	62118	5.171	ug/L	99
29) 1,1,1-Trichloroethane	4.63	97	84711	5.115	ug/L	98
30) Cyclohexane	4.70	56	77411	4.892	ug/L	100
31) Carbon tetrachloride	4.85	117	70003	5.104	ug/L	98
33) Benzene	5.12	78	188654	5.056	ug/L	100
34) Trichloroethene	5.94	95	50498	4.901	ug/L	97
35) Methylcyclohexane	6.15	83	73835	4.669	ug/L	99
37) 1,2-Dichloropropane	6.20	63	47685	5.028	ug/L	98
38) Bromodichloromethane	6.53	83	60471	5.021	ug/L	97
39) cis-1,3-Dichloropropene	7.05	75	59024	4.465	ug/L	97
40) 4-Methyl-2-pentanone	7.25	43	306694	49.825	ug/L	99
42) Toluene	7.41	91	201321	5.050	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	50117	4.511	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	32970	5.100	ug/L	97
47) Tetrachloroethene	8.00	164	36146	4.872	ug/L	96
48) 2-Hexanone	8.16	43	222566	50.704	ug/L	98
49) Dibromochloromethane	8.27	129	34959	5.225	ug/L	96
50) 1,2-Dibromoethane	8.37	107	30155	5.044	ug/L	93
51) Chlorobenzene	8.90	112	128701	4.928	ug/L	97
52) Ethylbenzene	9.03	91	228354	4.949	ug/L	99
53) m,p-xylene	9.16	106	85228	5.043	ug/L	99
54) o-xylene	9.56	106	81433	4.980	ug/L	99
55) Styrene	9.58	104	141759	5.109	ug/L	98
56) Isopropylbenzene	9.95	105	223620	4.874	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	37446	4.961	ug/L	98
59) 1,2,3-Trichloropropane	10.30	75	29521	4.875	ug/L	98
61) Bromoform	9.75	173	15088	5.584	ug/L	96
62) 1,3-Dichlorobenzene	11.20	146	103621	5.001	ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	104768	5.014	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	95183	5.080	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	6339	5.193	ug/L #	89
67) 1,3,5-Trichlorobenzene	12.67	180	74646	4.875	ug/L	97
68) 1,2,4-trichlorobenzene	13.28	180	67151	4.765	ug/L	99
69) Naphthalene	13.52	128	117982	4.678	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	59470	4.782	ug/L	99

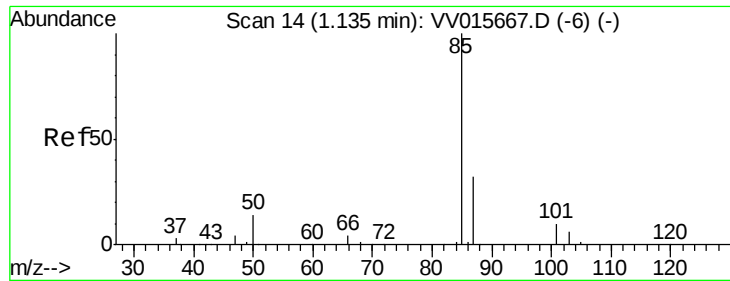
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042520\
Data File : VV015690.D
Acq On : 25 Apr 2020 13:11
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampled :

Quant Time: Apr 27 01:00:11 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Apr 25 00:15:39 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.973 ug/L

RT: 1.13 min Scan# 13

Delta R.T. -0.00 min

Lab File: VV015690.D

Acq: 25 Apr 2020 13:11

Instrument :

MSVOA_V

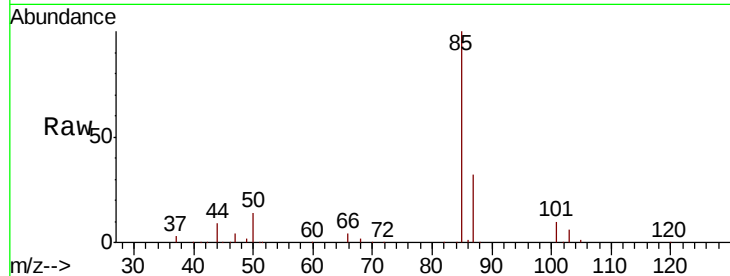
ClientSampleId :

Tot Ion: 85 Resp: 57326

Ion Ratio Lower Upper

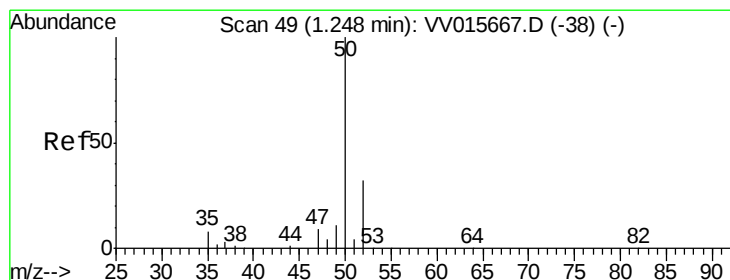
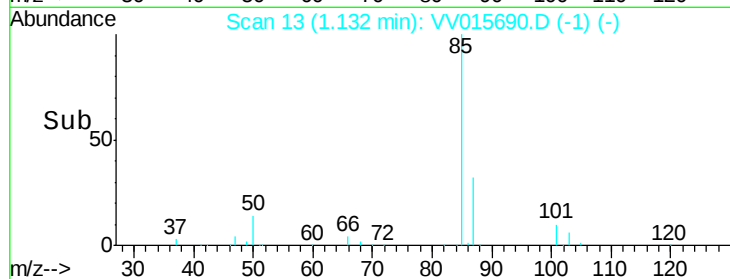
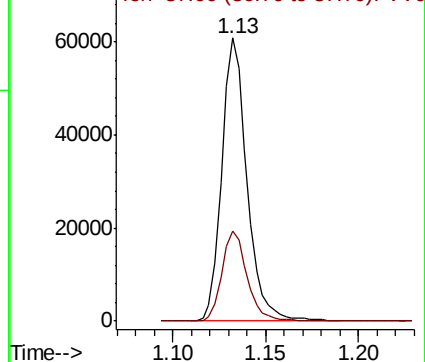
85 100

87 31.9 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 4.748 ug/L

RT: 1.24 min Scan# 48

Delta R.T. -0.00 min

Lab File: VV015690.D

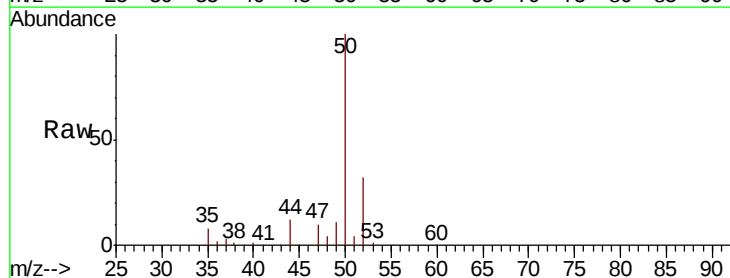
Acq: 25 Apr 2020 13:11

Tgt Ion: 50 Resp: 47356

Ion Ratio Lower Upper

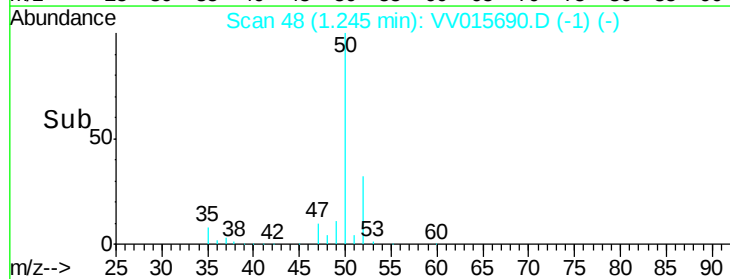
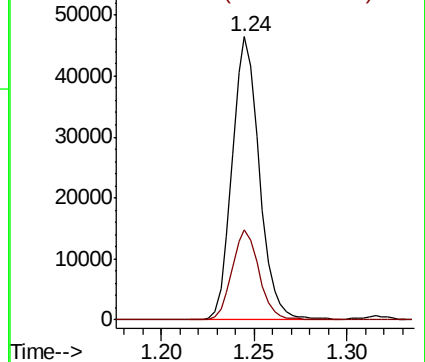
50 100

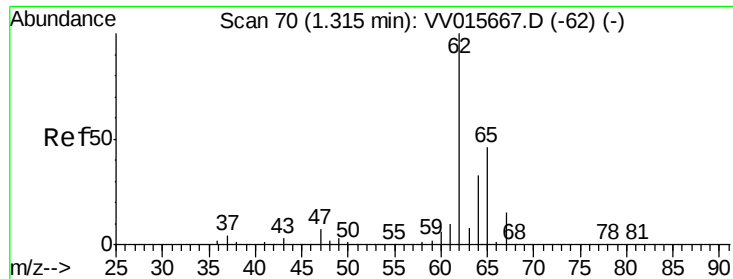
52 31.7 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 4.986 ug/L

RT: 1.32 min Scan# 70

Delta R.T. 0.00 min

Lab File: VV015690.D

Acq: 25 Apr 2020 13:11

Instrument :

MSVOA_V

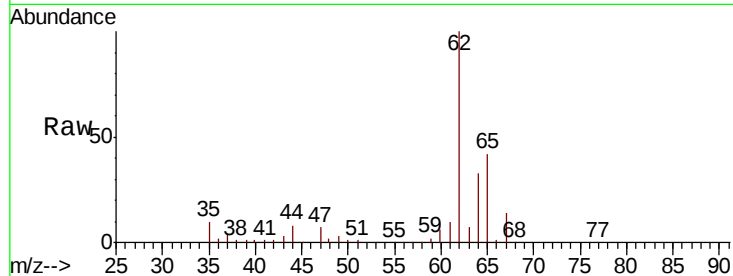
ClientSampled :

Tot Ion: 62 Resp: 53116

Ion Ratio Lower Upper

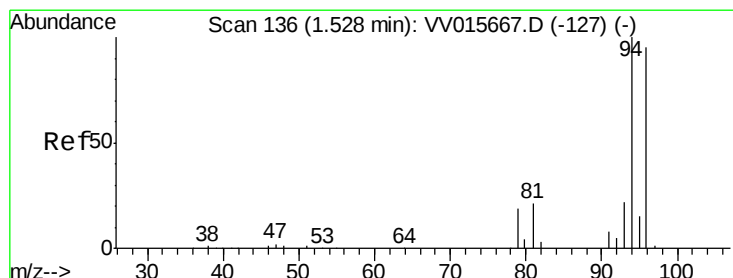
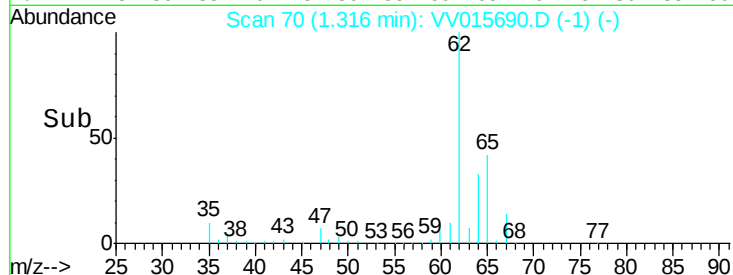
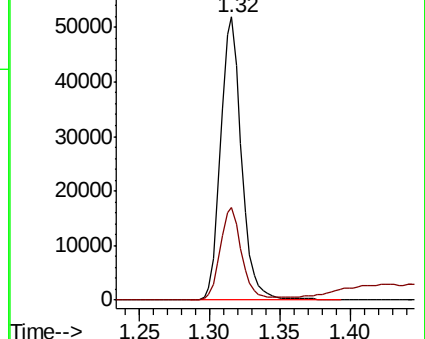
62 100

64 32.5 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 3.916 ug/L

RT: 1.53 min Scan# 136

Delta R.T. 0.00 min

Lab File: VV015690.D

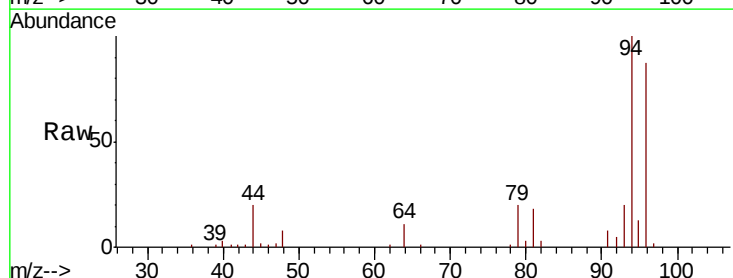
Acq: 25 Apr 2020 13:11

Tgt Ion: 94 Resp: 17911

Ion Ratio Lower Upper

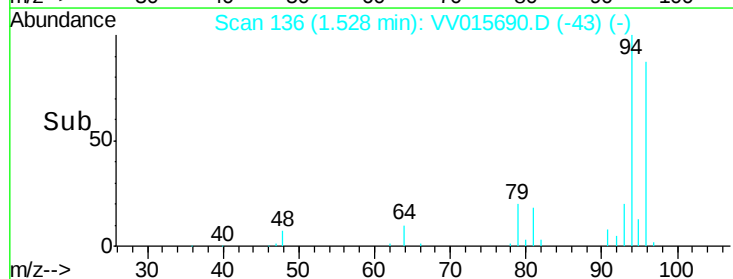
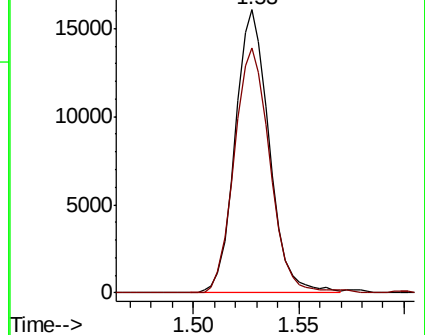
94 100

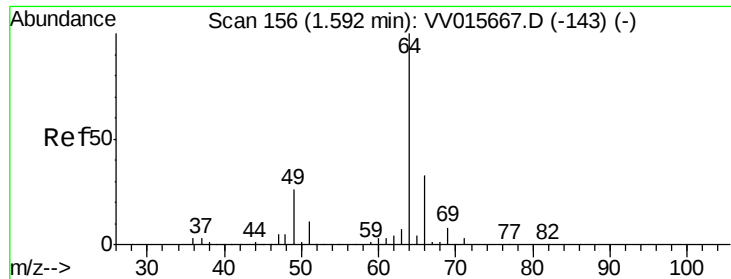
96 86.8 67.3 125.1



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 4.988 ug/L

RT: 1.59 min Scan# 156

Delta R.T. 0.00 min

Lab File: VV015690.D

Acq: 25 Apr 2020 13:11

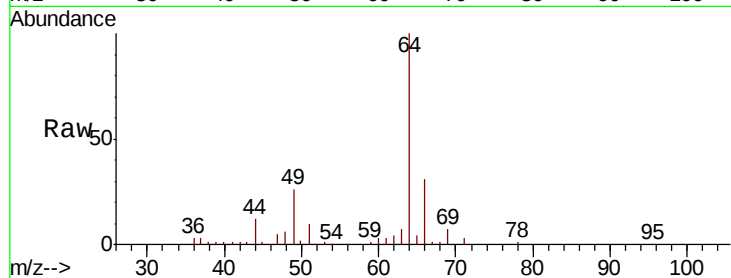
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 34895

Ion Ratio Lower Upper

64 100

66 31.0 22.3 41.5



Abundance Ion 64.10 (63.80 to 64.80): VV015667.D (-143) (-)

Ion 66.05 (65.75 to 66.75): VV015667.D (-143) (-)

1.59

30000

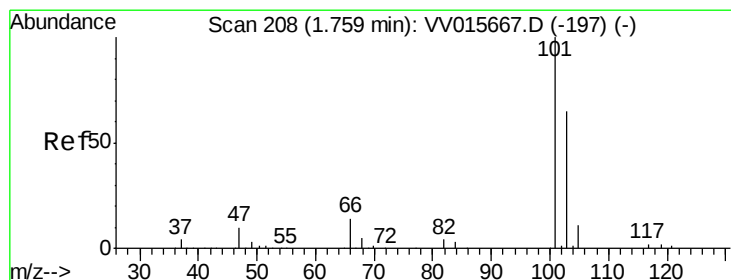
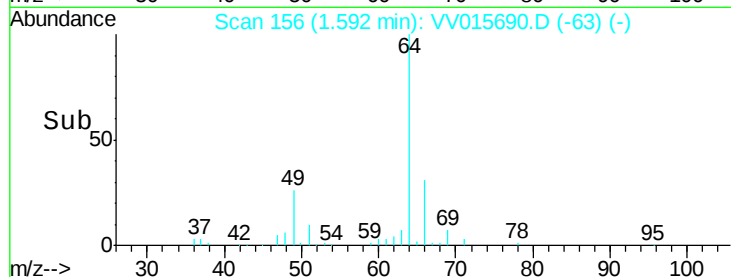
20000

10000

0

Time-->

1.55 1.60 1.65 1.70



#9

Trichlorofluoromethane

Concen: 5.259 ug/L

RT: 1.76 min Scan# 208

Delta R.T. 0.00 min

Lab File: VV015690.D

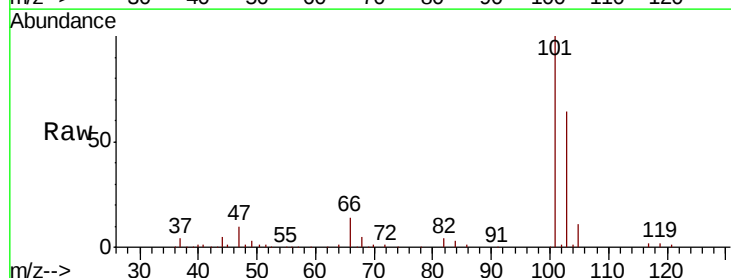
Acq: 25 Apr 2020 13:11

Tgt Ion: 101 Resp: 78615

Ion Ratio Lower Upper

101 100

103 63.8 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VV015667.D (-197) (-)

Ion 103.00 (102.70 to 103.70): VV015667.D (-197) (-)

1.76

60000

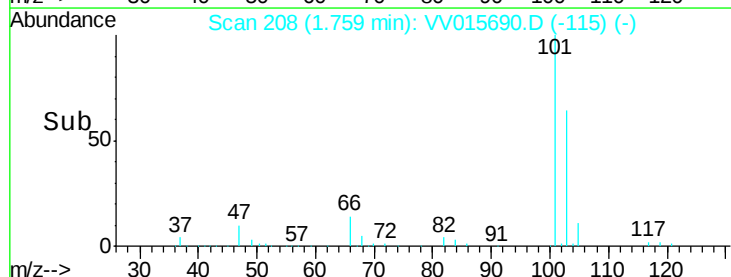
40000

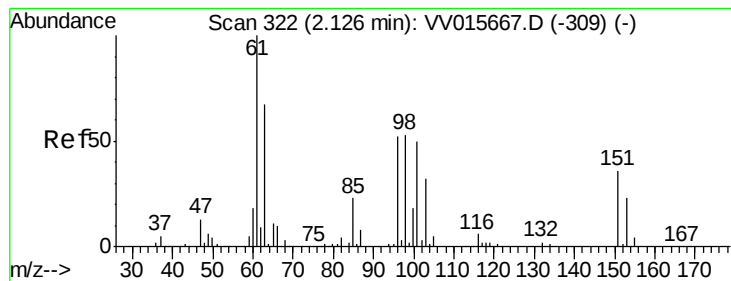
20000

0

Time-->

1.70 1.75 1.80 1.85





#10

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

Concen: 4.980 ug/L

RT: 2.13 min Scan# 322

Delta R.T. 0.00 min

Lab File: VV015690.D

Acq: 25 Apr 2020 13:11

Instrument :

MSVOA_V

ClientSampled :

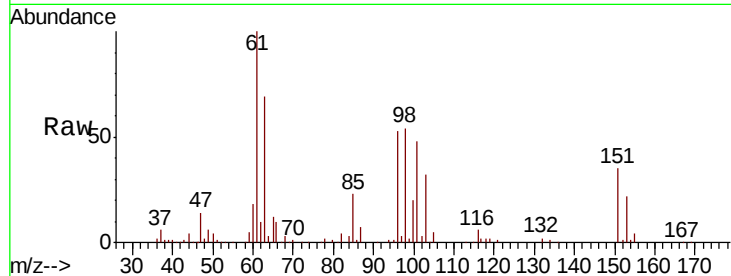
Tot Ion:101 Resp: 42113

Ion Ratio Lower Upper

101 100

85 47.3 36.1 54.1

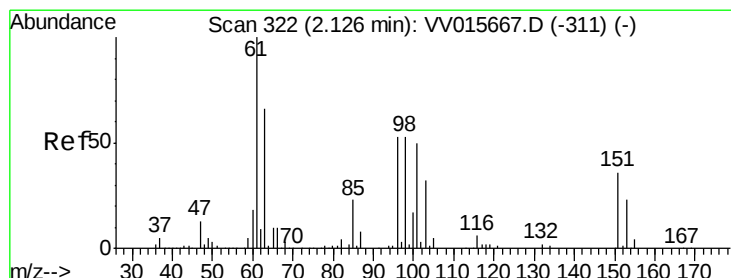
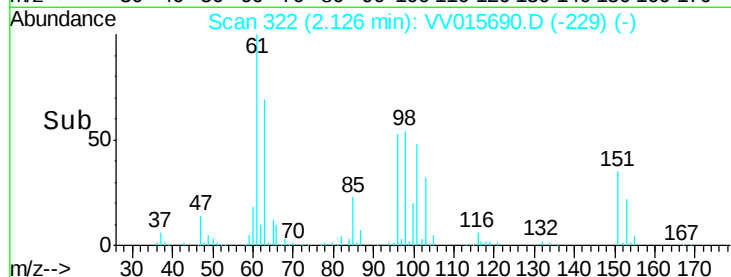
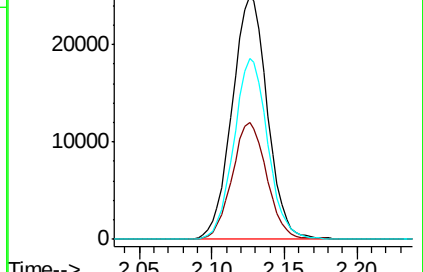
151 71.7 55.2 82.8



Abundance Ion 101.00 (100.70 to 101.70): VV015667.D (-309) (-)

Ion 85.00 (84.70 to 85.70): VV015667.D (-309) (-)

Ion 151.00 (150.70 to 151.70): VV015667.D (-309) (-)



#12

1,1-Dichloroethene

Concen: 5.115 ug/L

RT: 2.13 min Scan# 322

Delta R.T. 0.00 min

Lab File: VV015690.D

Acq: 25 Apr 2020 13:11

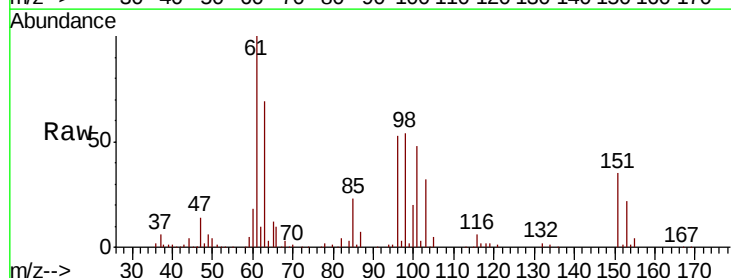
Tgt Ion: 96 Resp: 40066

Ion Ratio Lower Upper

96 100

61 189.9 130.1 241.7

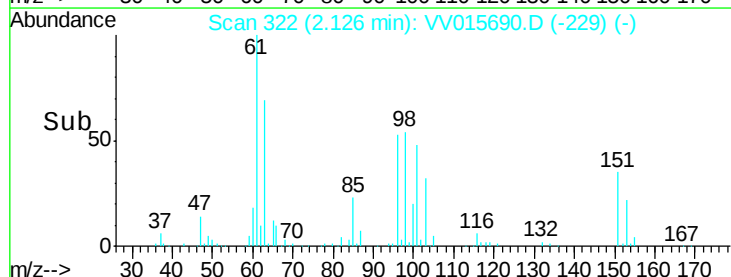
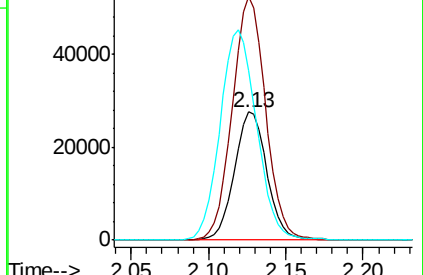
63 131.8 91.4 169.8

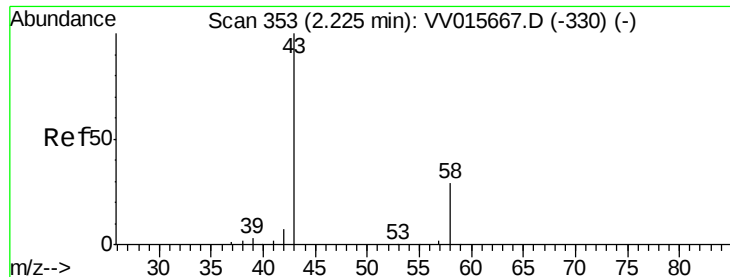


Abundance Ion 96.00 (95.70 to 96.70): VV015667.D (-311) (-)

Ion 61.05 (60.75 to 61.75): VV015667.D (-311) (-)

Ion 63.00 (62.70 to 63.70): VV015667.D (-311) (-)





#13

Acetone

Concen: 49.255 ug/L

RT: 2.21 min Scan# 347

Delta R.T. -0.02 min

Lab File: VV015690.D

Acq: 25 Apr 2020 13:11

Instrument :

MSVOA_V

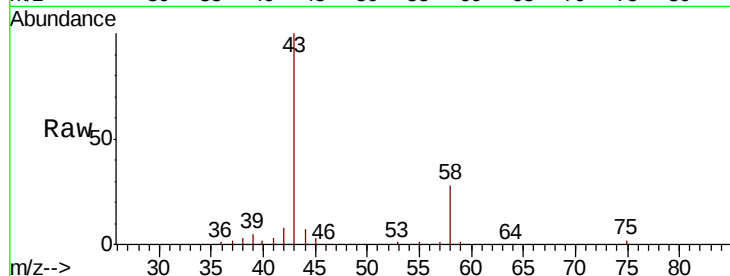
ClientSampleId :

Tot Ion: 43 Resp: 77245

Ion Ratio Lower Upper

43 100

58 28.1 0.0 57.6



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

25000

20000

15000

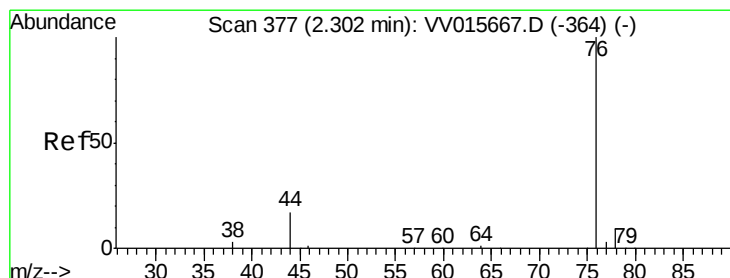
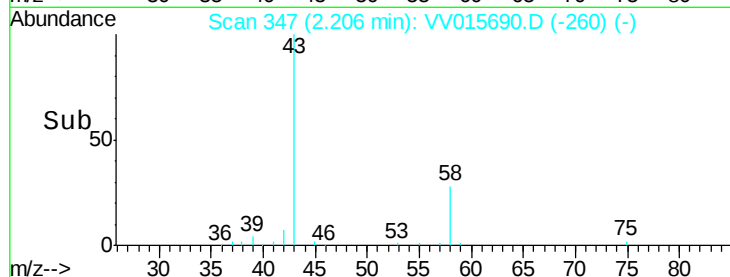
10000

5000

0

Time-->

2.10 2.20 2.30



#14

Carbon disulfide

Concen: 5.005 ug/L

RT: 2.30 min Scan# 377

Delta R.T. 0.00 min

Lab File: VV015690.D

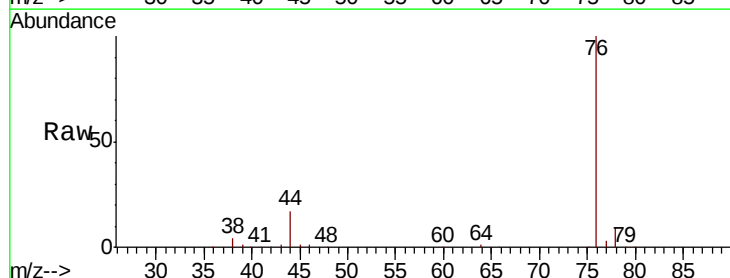
Acq: 25 Apr 2020 13:11

Tgt Ion: 76 Resp: 110826

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

80000

60000

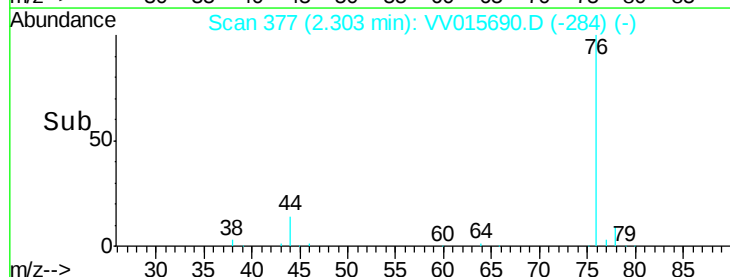
40000

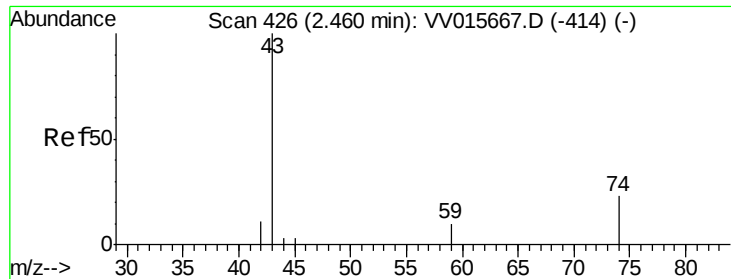
20000

0

Time-->

2.25 2.30 2.35 2.40

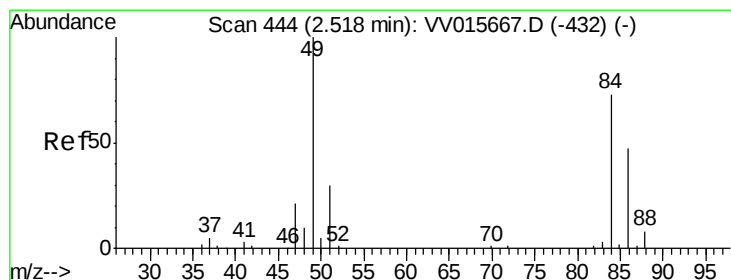
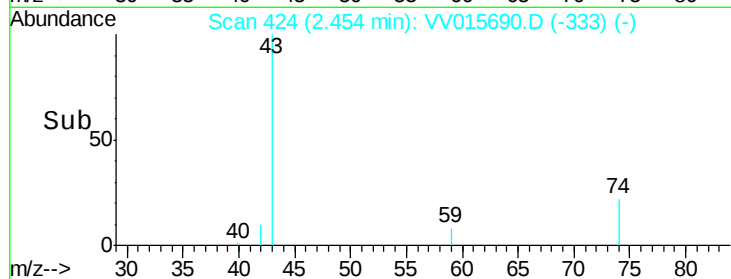
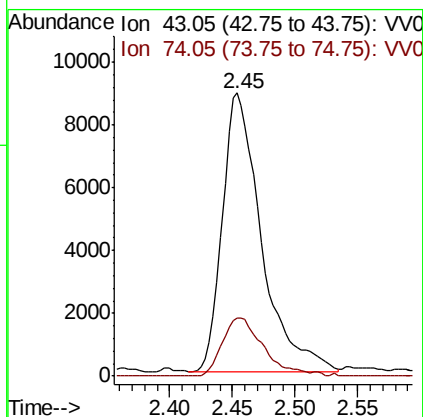
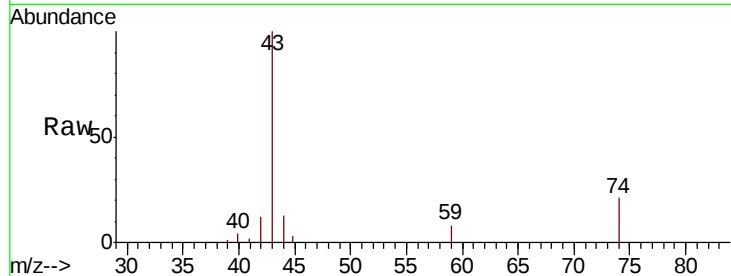




#15
Methvl Acetate
Concen: 5.161 ug/L
RT: 2.45 min Scan# 424
Delta R.T. -0.01 min
Lab File: VV015690.D
Acq: 25 Apr 2020 13:11

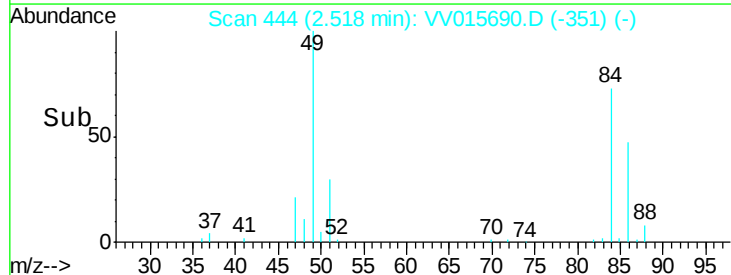
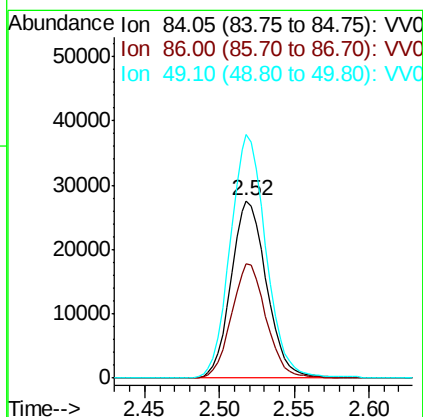
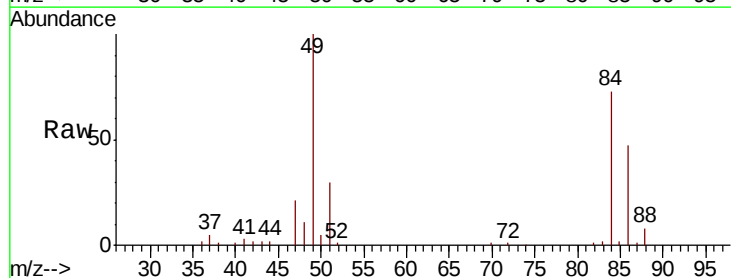
Instrument :
MSVOA_V
ClientSampleId :

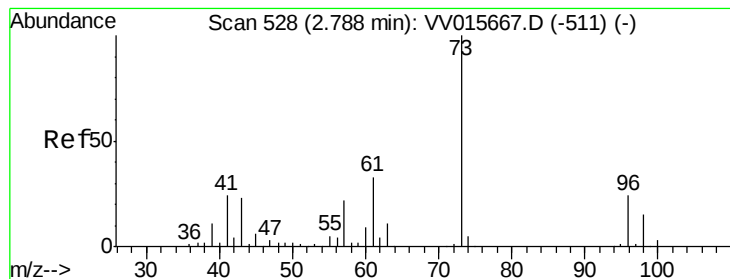
Tot Ion: 43 Resp: 19247
Ion Ratio Lower Upper
43 100
74 21.9 16.3 24.5



#16
Methylene chloride
Concen: 4.705 ug/L
RT: 2.52 min Scan# 444
Delta R.T. 0.00 min
Lab File: VV015690.D
Acq: 25 Apr 2020 13:11

Tgt Ion: 84 Resp: 45504
Ion Ratio Lower Upper
84 100
86 64.4 45.1 83.7
49 137.5 94.4 175.4



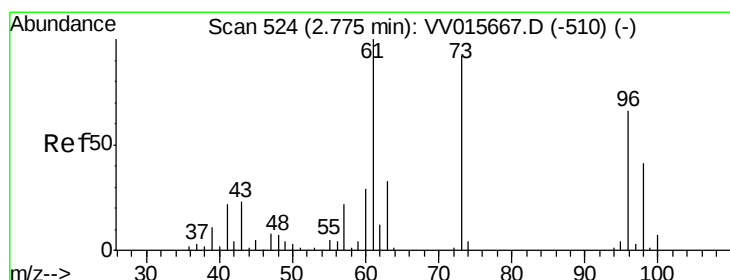
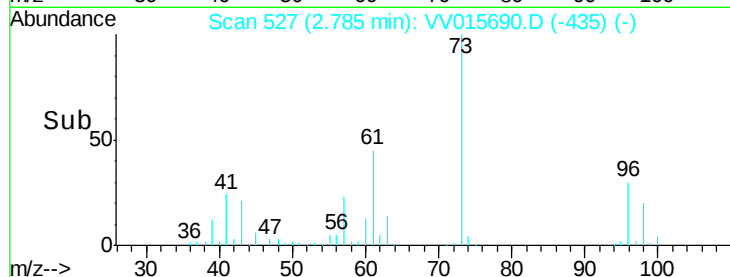
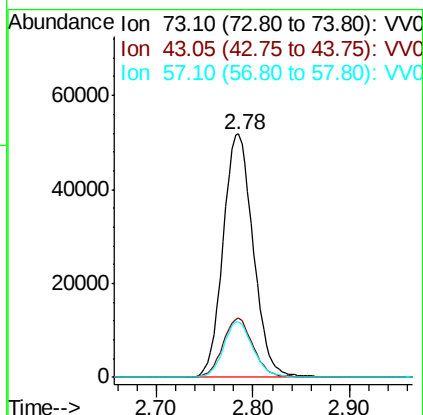
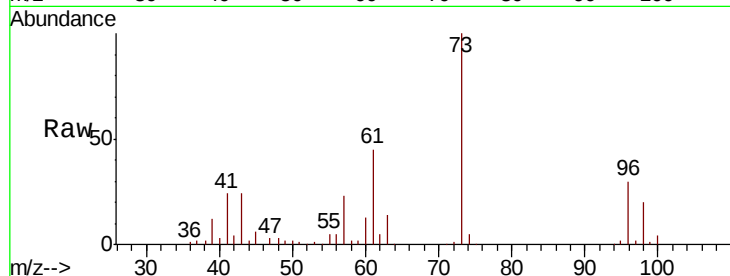


#17

Methvl tert-butvl Ether
 Concen: 5.103 ug/L
 RT: 2.78 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VV015690.D
 Acq: 25 Apr 2020 13:11

Instrument :
 MSVOA_V
 ClientSampleId :

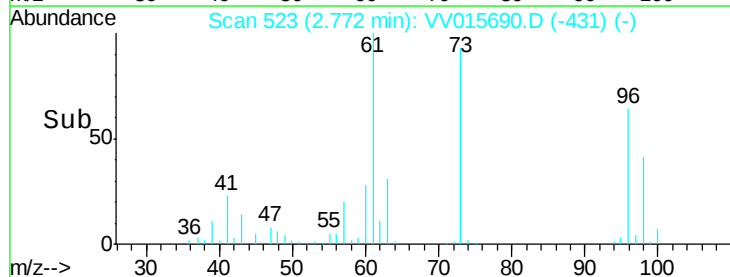
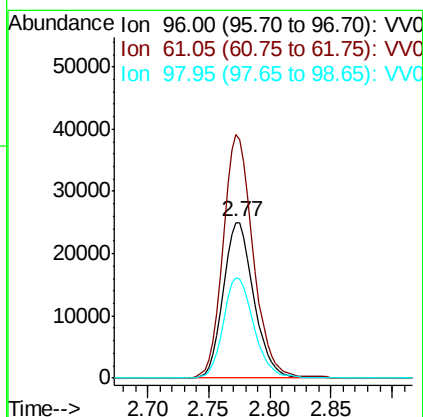
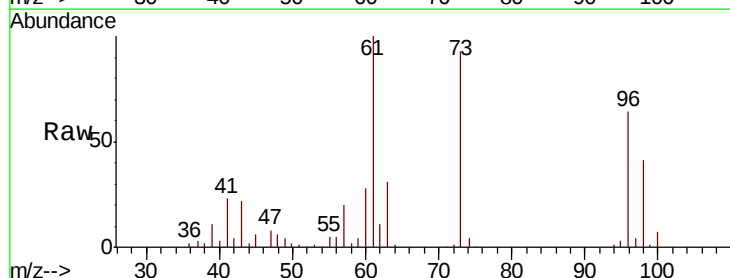
Tot Ion: 73 Resp: 112214
 Ion Ratio Lower Upper
 73 100
 43 24.5 20.1 30.1
 57 22.5 17.8 26.8

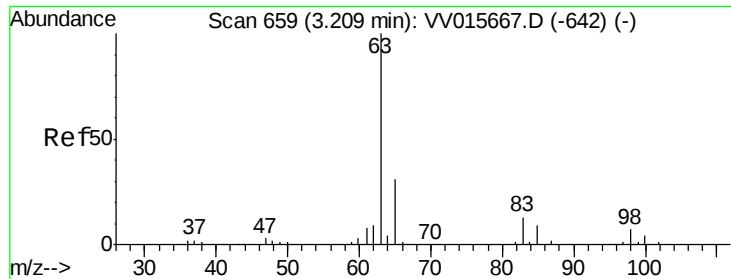


#18

trans-1,2-Dichloroethene
 Concen: 5.024 ug/L
 RT: 2.77 min Scan# 523
 Delta R.T. -0.00 min
 Lab File: VV015690.D
 Acq: 25 Apr 2020 13:11

Tgt Ion: 96 Resp: 44063
 Ion Ratio Lower Upper
 96 100
 61 156.4 105.5 195.9
 98 64.7 44.2 82.0

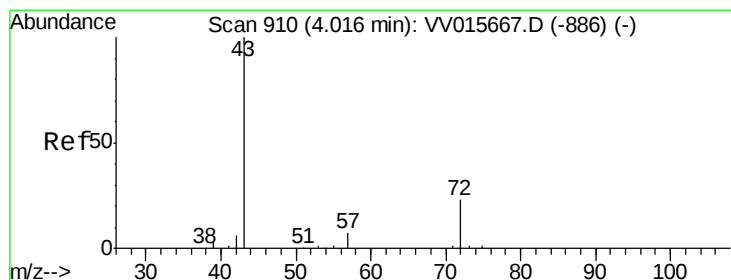
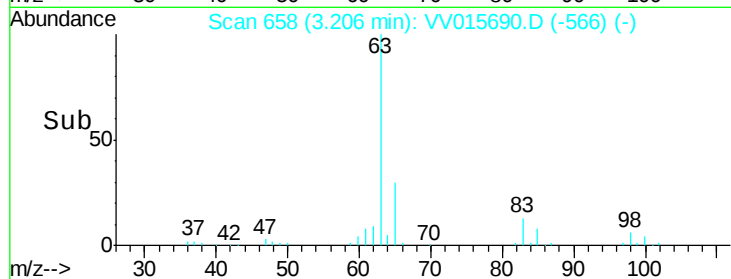
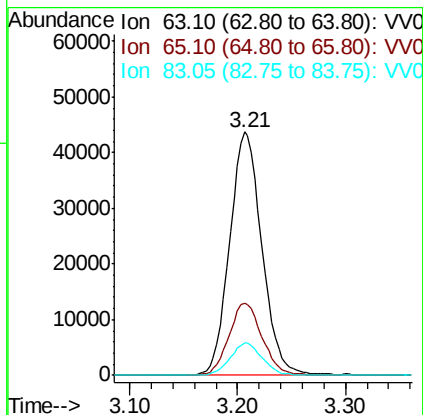
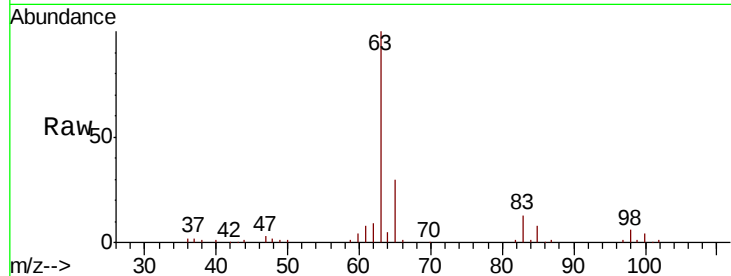




#19
 1,1-Dichloroethane
 Concen: 5.281 ug/L
 RT: 3.21 min Scan# 658
 Delta R.T. -0.00 min
 Lab File: VV015690.D
 Acq: 25 Apr 2020 13:11

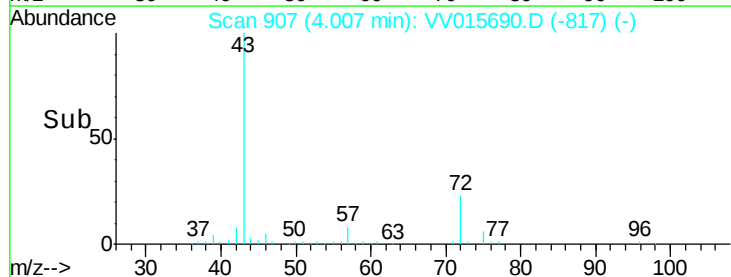
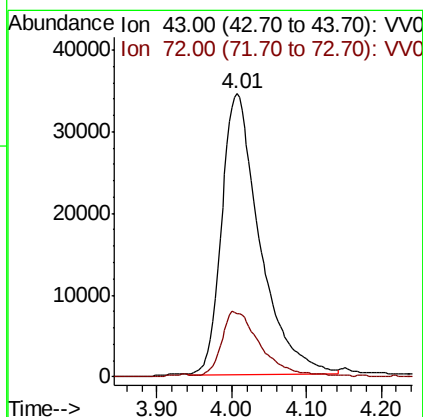
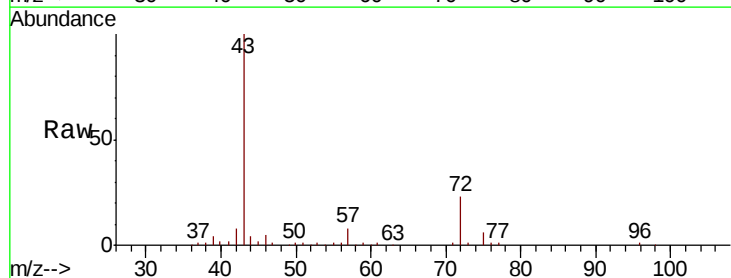
Instrument :
 MSVOA_V
 ClientSampled :

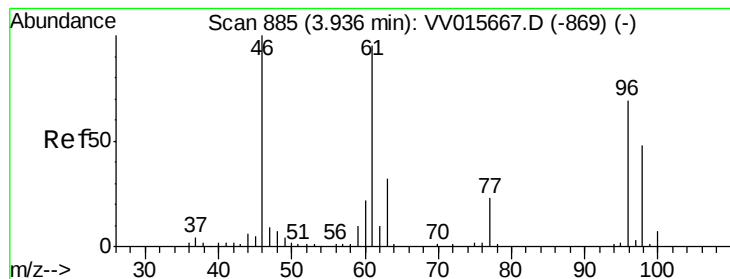
Tot Ion: 63 Resp: 90958
 Ion Ratio Lower Upper
 63 100
 65 29.7 22.3 41.3
 83 13.3 9.3 17.3



#21
 2-Butanone
 Concen: 50.349 ug/L
 RT: 4.01 min Scan# 907
 Delta R.T. -0.01 min
 Lab File: VV015690.D
 Acq: 25 Apr 2020 13:11

Tgt Ion: 43 Resp: 121795
 Ion Ratio Lower Upper
 43 100
 72 23.1 12.3 36.9



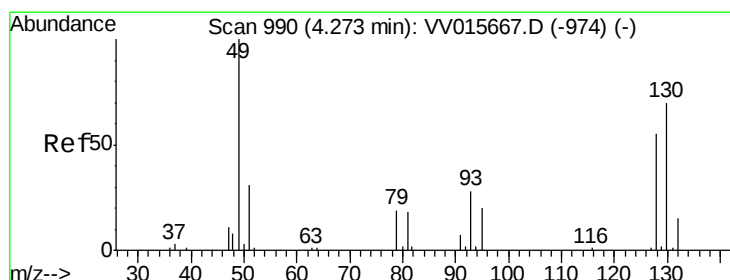
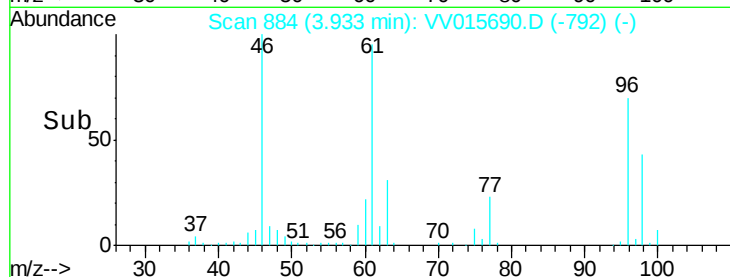
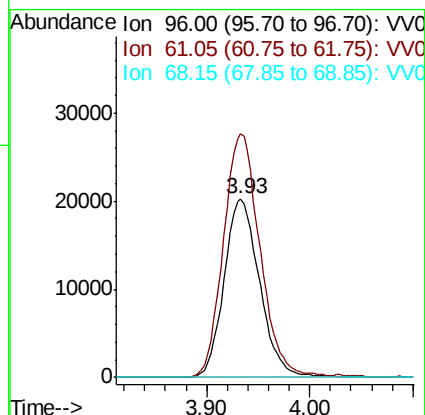
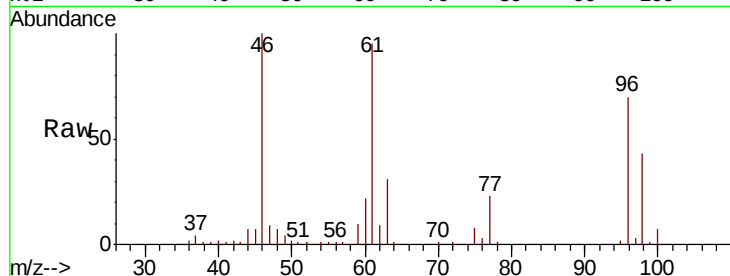


#22

cis-1,2-Dichloroethene
 Concen: 4.990 ug/L
 RT: 3.93 min Scan# 884
 Delta R.T. -0.00 min
 Lab File: VV015690.D
 Acq: 25 Apr 2020 13:11

Instrument :
 MSVOA_V
 ClientSampleId :

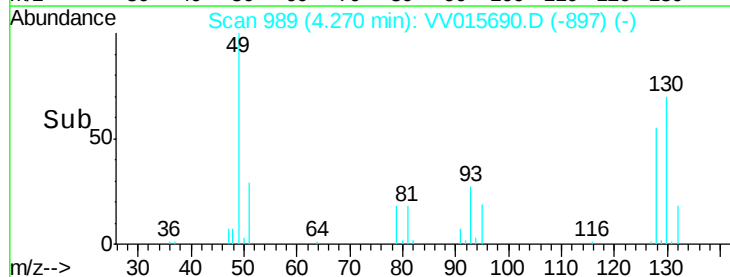
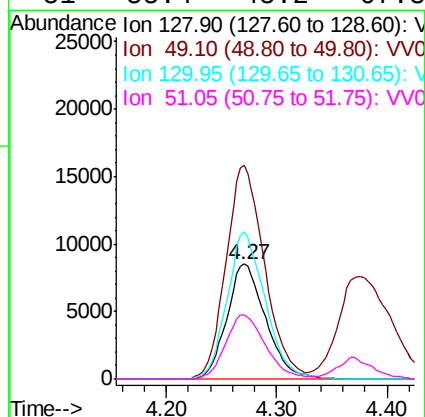
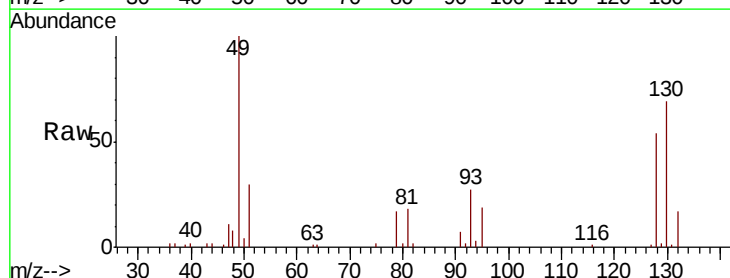
Tot Ion: 96 Resp: 48395
 Ion Ratio Lower Upper
 96 100
 61 136.1 96.4 179.0
 68 0.0 0.0 0.0

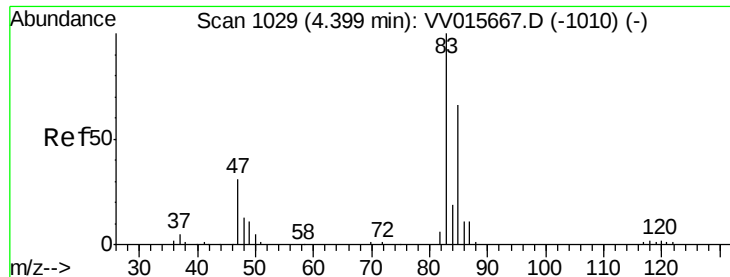


#23

Bromochloromethane
 Concen: 5.242 ug/L
 RT: 4.27 min Scan# 989
 Delta R.T. -0.00 min
 Lab File: VV015690.D
 Acq: 25 Apr 2020 13:11

Tgt Ion: 128 Resp: 20765
 Ion Ratio Lower Upper
 128 100
 49 185.8 130.8 242.8
 130 127.8 91.1 169.3
 51 55.4 45.2 67.8

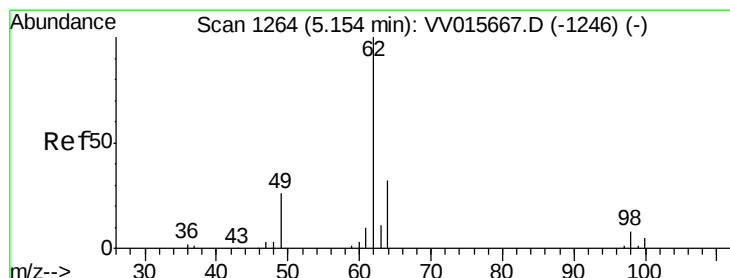
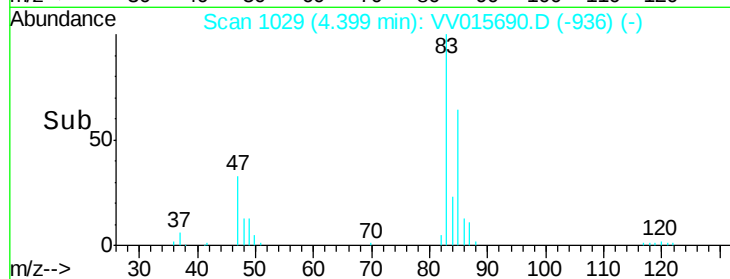
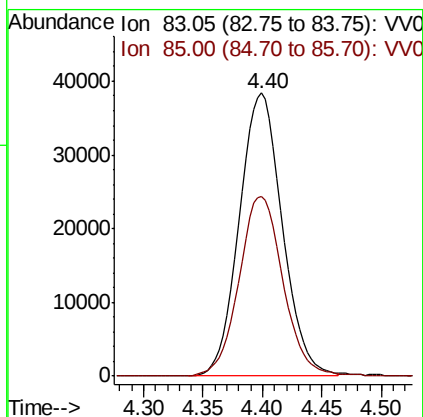
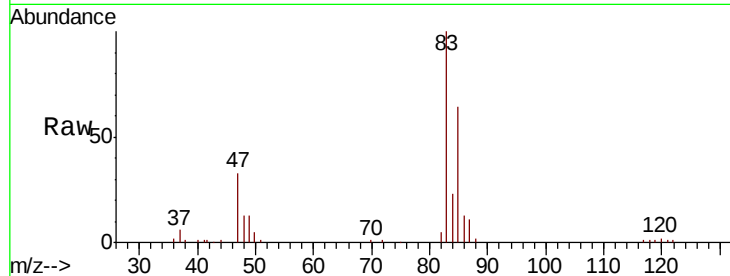




#25
Chloroform
Concen: 5.260 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. 0.00 min
Lab File: VV015690.D
Acq: 25 Apr 2020 13:11

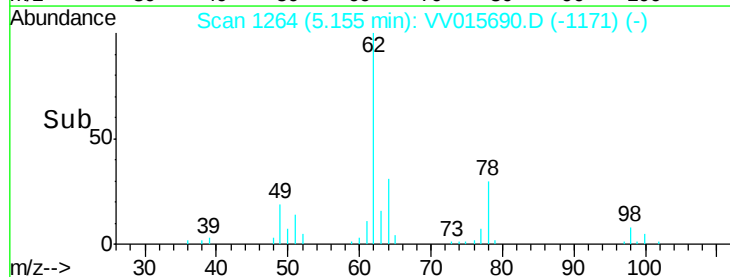
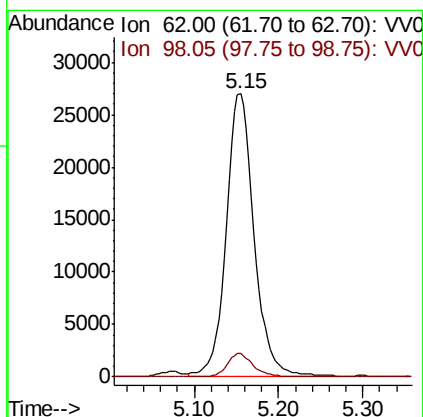
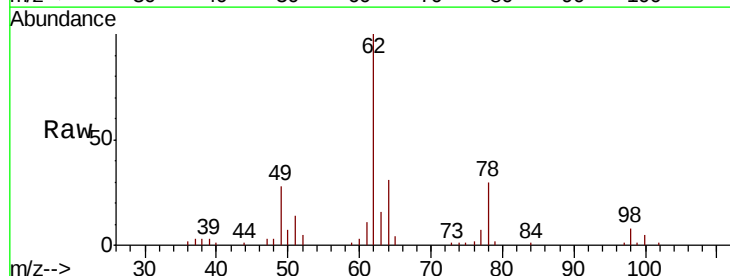
Instrument :
MSVOA_V
ClientSampleId :

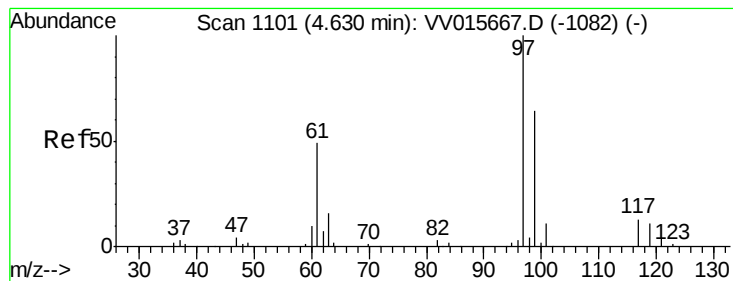
Tot Ion: 83 Resp: 96167
Ion Ratio Lower Upper
83 100
85 63.6 46.1 85.5



#27
1,2-Dichloroethane
Concen: 5.171 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV015690.D
Acq: 25 Apr 2020 13:11

Tgt Ion: 62 Resp: 62118
Ion Ratio Lower Upper
62 100
98 8.1 6.3 9.5





#29

1,1,1-Trichloroethane

Concen: 5.115 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. 0.00 min

Lab File: VV015690.D

Acq: 25 Apr 2020 13:11

Instrument :

MSVOA_V

ClientSampled :

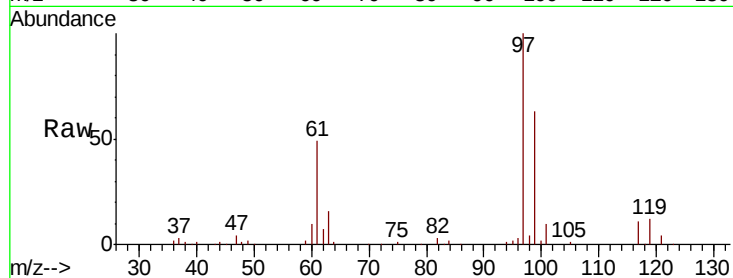
Tot Ion: 97 Resp: 84711

Ion Ratio Lower Upper

97 100

99 62.8 51.6 77.4

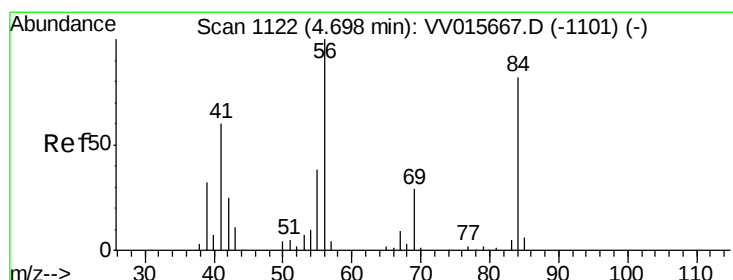
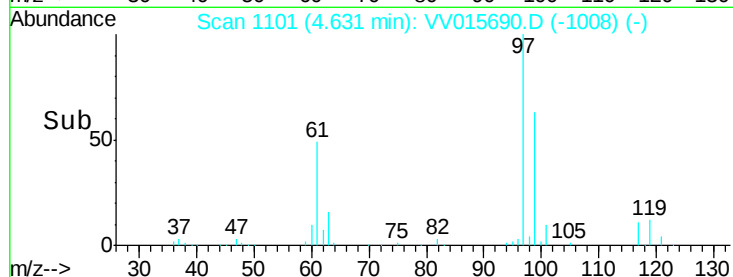
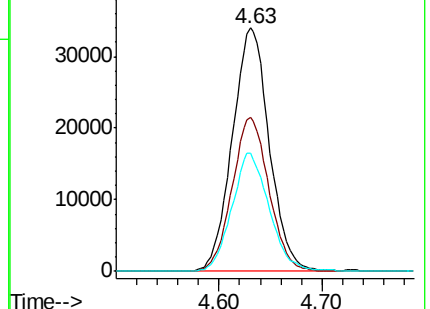
61 49.1 38.6 57.8



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: 4.892 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VV015690.D

Acq: 25 Apr 2020 13:11

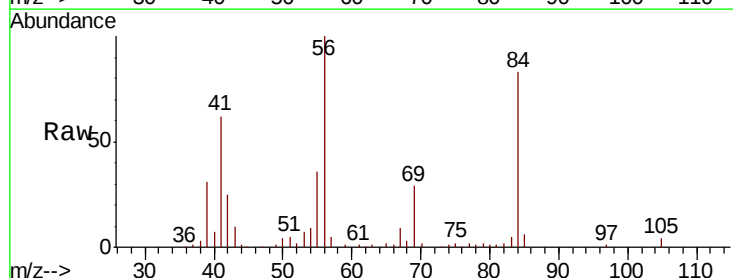
Tgt Ion: 56 Resp: 77411

Ion Ratio Lower Upper

56 100

69 29.9 23.9 35.9

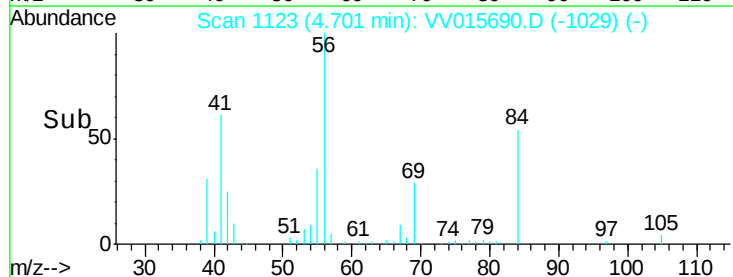
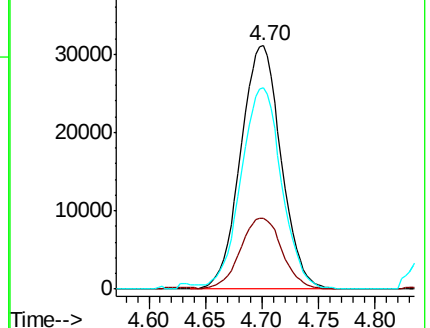
84 83.1 66.9 100.3

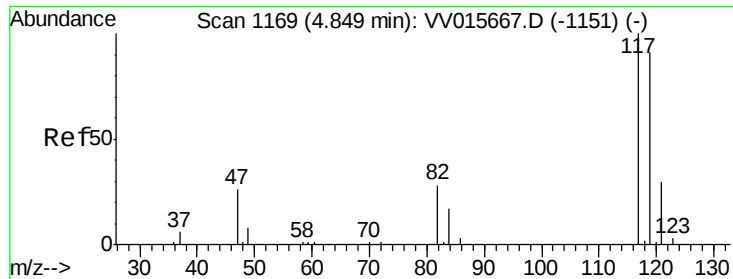


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 5.104 ug/L

RT: 4.85 min Scan# 1169

Delta R.T. 0.00 min

Lab File: VV015690.D

Acq: 25 Apr 2020 13:11

Instrument :

MSVOA_V

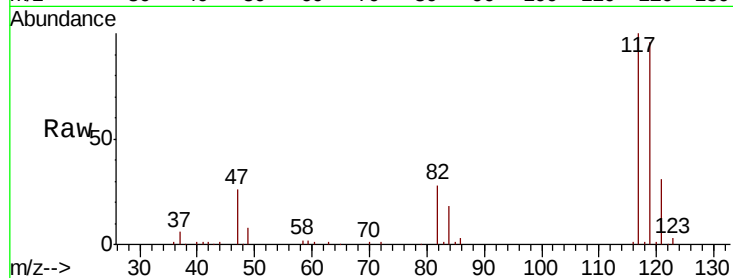
ClientSampleId :

Tot Ion:117 Resp: 70003

Ion Ratio Lower Upper

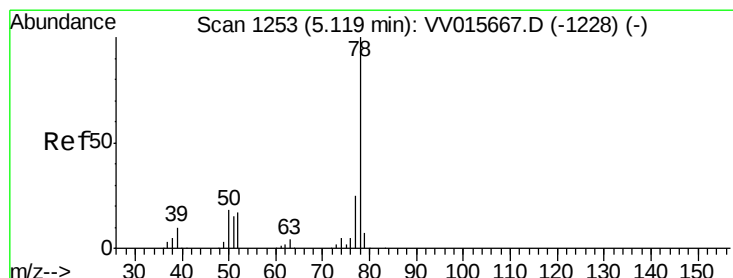
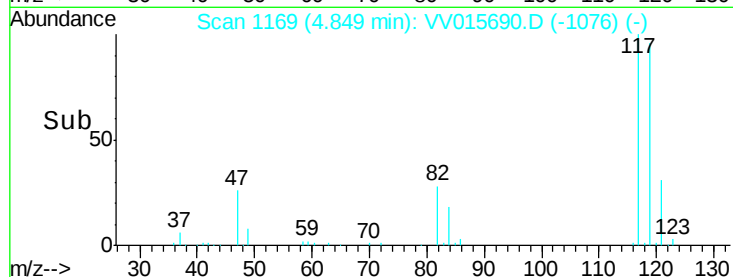
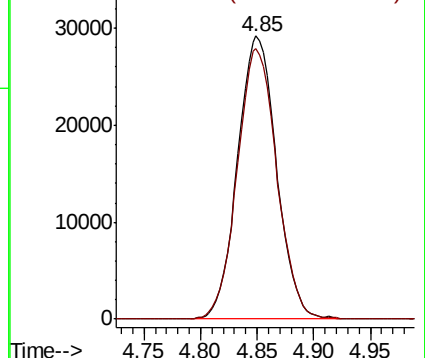
117 100

119 96.9 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: 5.056 ug/L

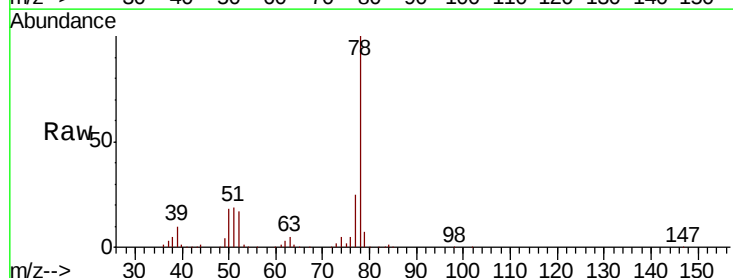
RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

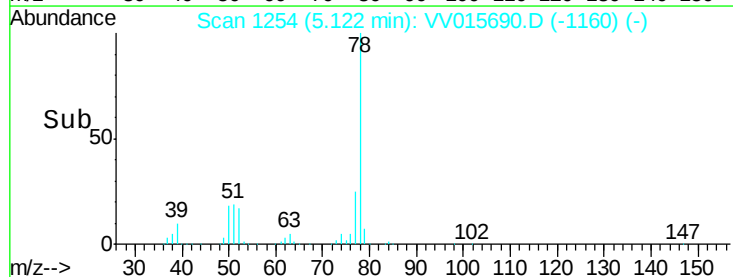
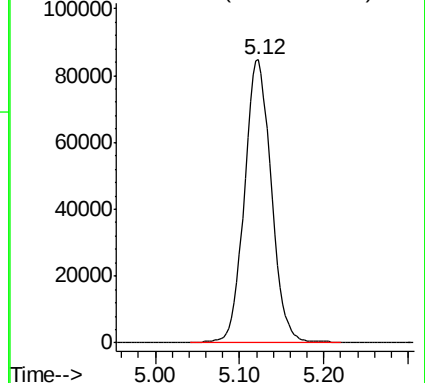
Lab File: VV015690.D

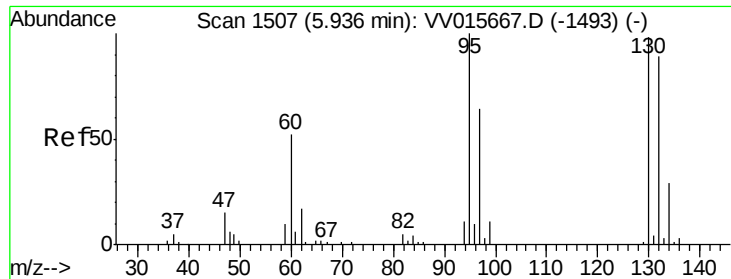
Acq: 25 Apr 2020 13:11

Tgt Ion: 78 Resp: 188654



Abundance Ion 78.10 (77.80 to 78.80): VV0

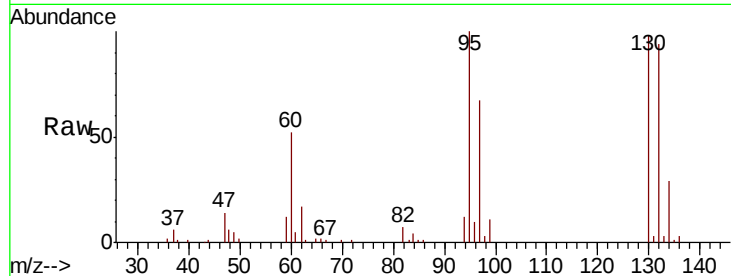




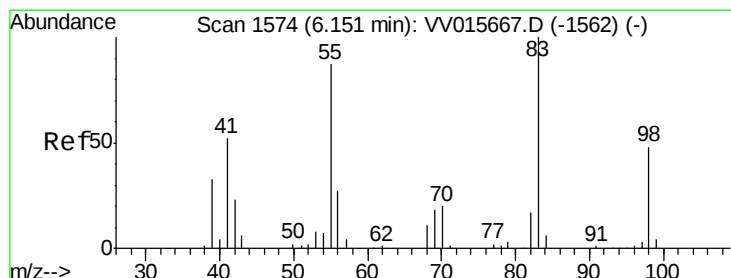
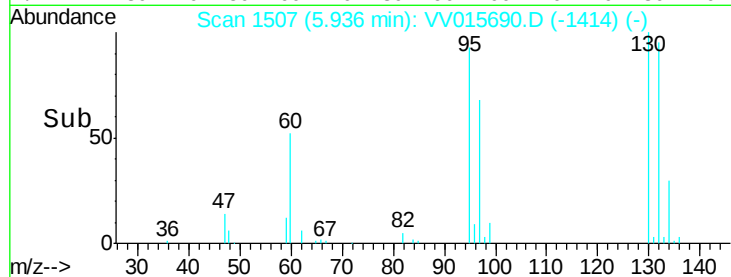
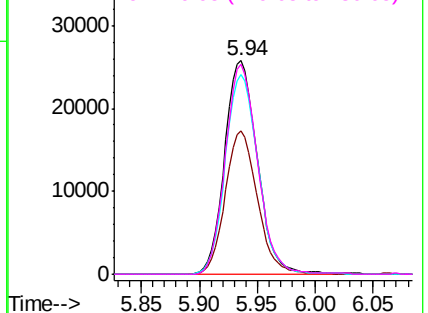
#34
 Trichloroethene
 Concen: 4.901 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV015690.D
 Acq: 25 Apr 2020 13:11

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 50498
 Ion Ratio Lower Upper
 95 100
 97 67.1 44.7 82.9
 132 93.6 65.2 121.0
 130 98.2 65.0 120.6

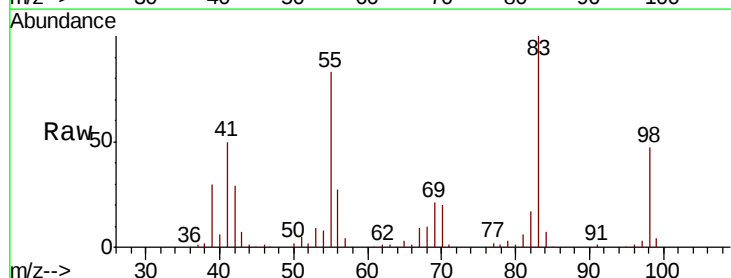


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

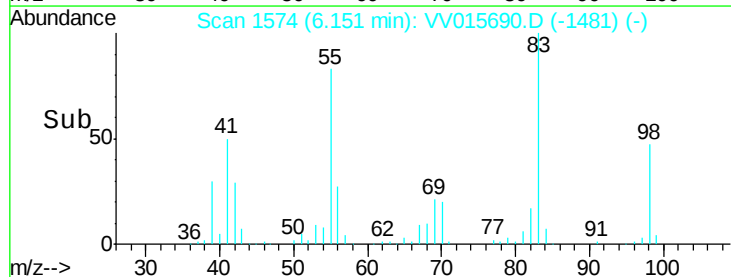
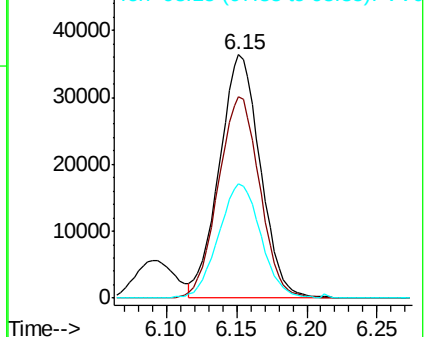


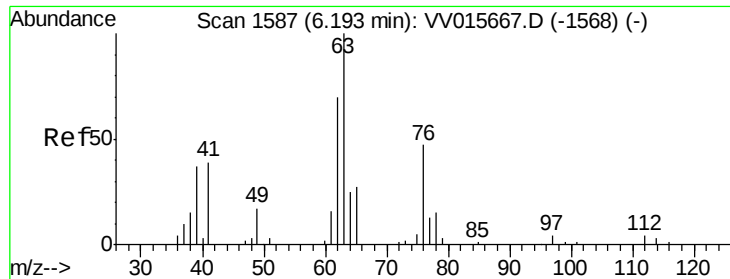
#35
 Methylcyclohexane
 Concen: 4.669 ug/L
 RT: 6.15 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VV015690.D
 Acq: 25 Apr 2020 13:11

Tgt Ion: 83 Resp: 73835
 Ion Ratio Lower Upper
 83 100
 55 83.4 66.6 99.8
 98 48.6 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: 5.028 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. 0.00 min

Lab File: VV015690.D

Acq: 25 Apr 2020 13:11

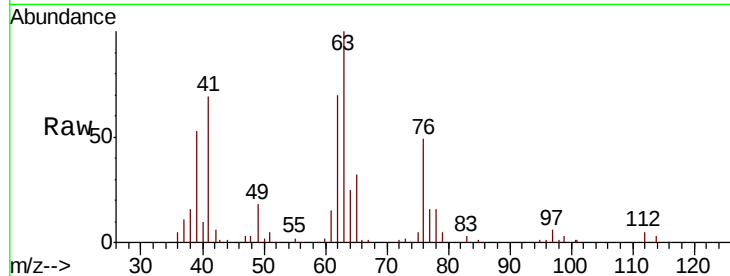
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 63 Resp: 47685

Ion Ratio Lower Upper

63 100

112 5.2 3.6 5.4



Abundance Ion 63.10 (62.80 to 63.80): VV015667.D (-1568) (-)

Ion 112.10 (111.80 to 112.80): VV015667.D (-1568) (-)

6.20

25000

20000

15000

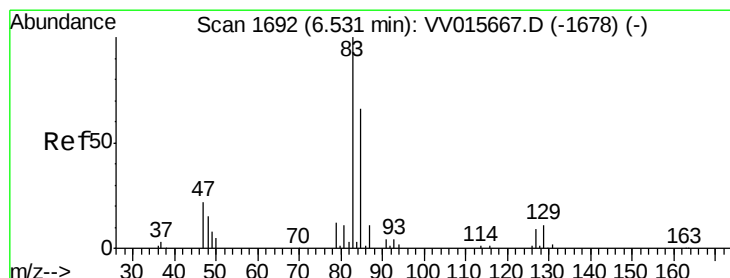
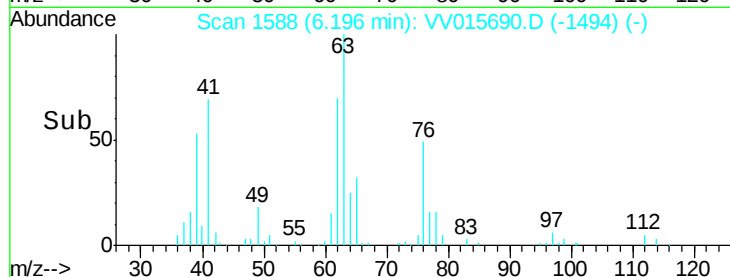
10000

5000

0

6.10 6.15 6.20 6.25 6.30

Time-->



#38

Bromodichloromethane

Concen: 5.021 ug/L

RT: 6.53 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VV015690.D

Acq: 25 Apr 2020 13:11

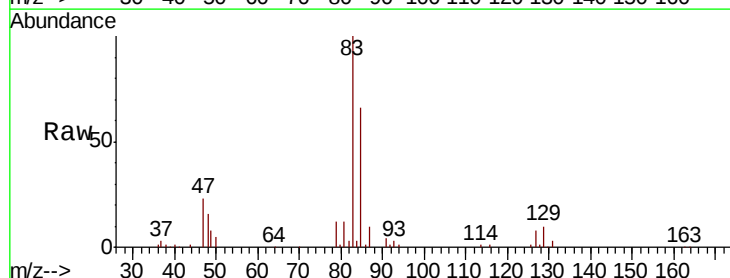
Tgt Ion: 83 Resp: 60471

Ion Ratio Lower Upper

83 100

85 66.3 44.7 83.1

127 8.3 5.8 8.6



Abundance Ion 82.95 (82.65 to 83.65): VV015667.D (-1678) (-)

Ion 85.00 (84.70 to 85.70): VV015667.D (-1678) (-)

Ion 126.90 (126.60 to 127.60): VV015667.D (-1678) (-)

6.53

40000

30000

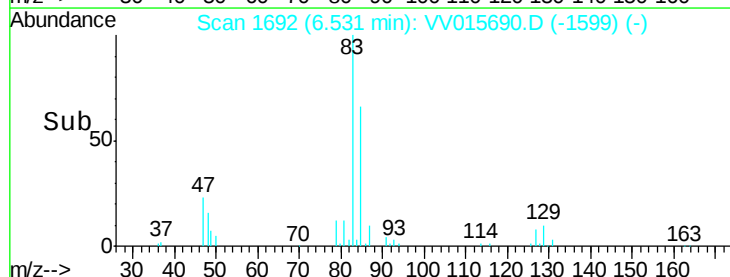
20000

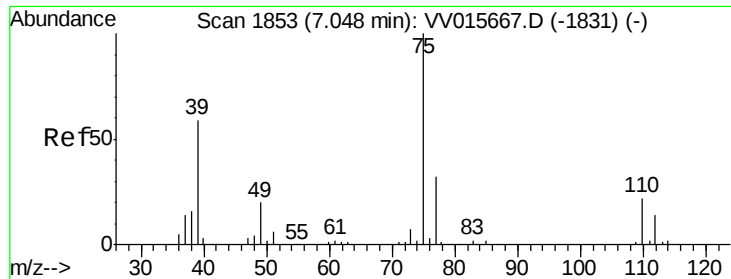
10000

0

6.45 6.50 6.55 6.60

Time-->

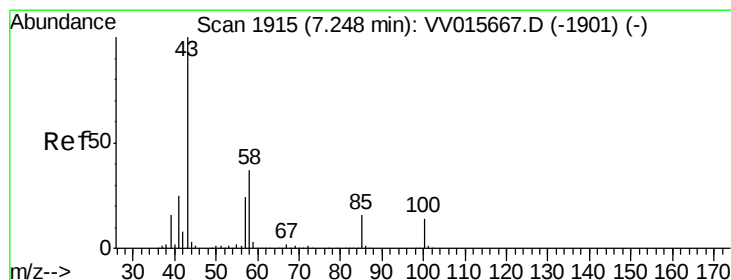
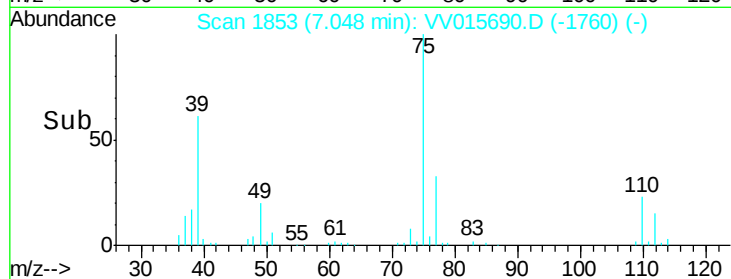
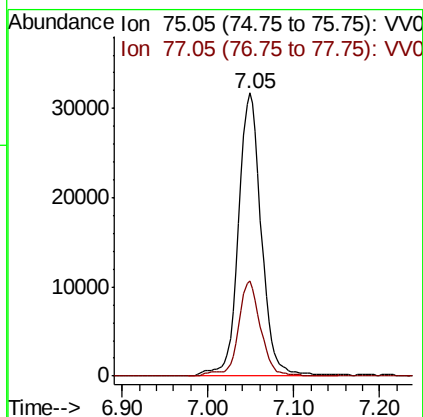
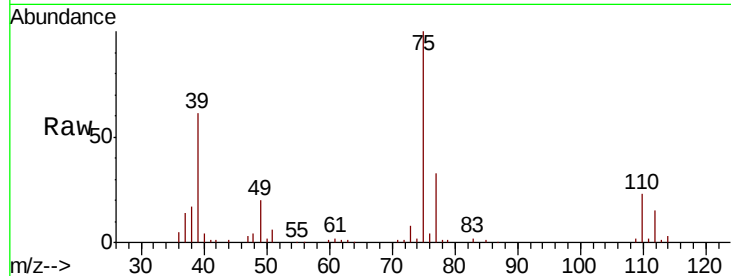




#39
 cis-1,3-Dichloropropene
 Concen: 4.465 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV015690.D
 Acq: 25 Apr 2020 13:11

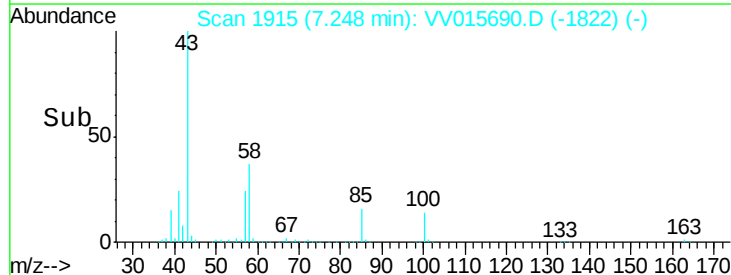
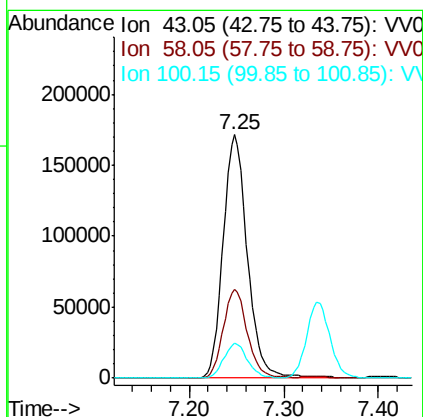
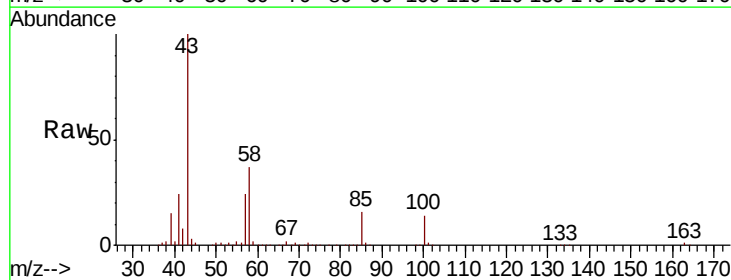
Instrument :
 MSVOA_V
 ClientSampleId :

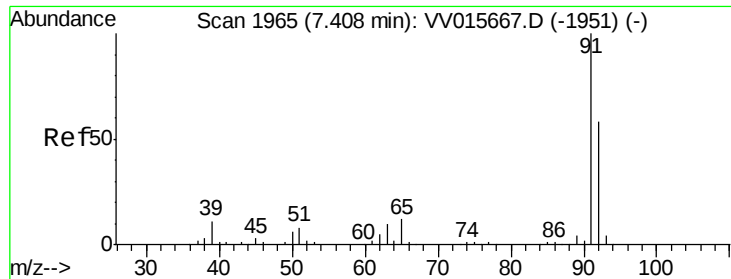
Tot Ion: 75 Resp: 59024
 Ion Ratio Lower Upper
 75 100
 77 33.5 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 49.825 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VV015690.D
 Acq: 25 Apr 2020 13:11

Tgt Ion: 43 Resp: 306694
 Ion Ratio Lower Upper
 43 100
 58 36.2 29.2 43.8
 100 14.1 11.4 17.2





#42

Toluene

Concen: 5.050 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV015690.D

Acq: 25 Apr 2020 13:11

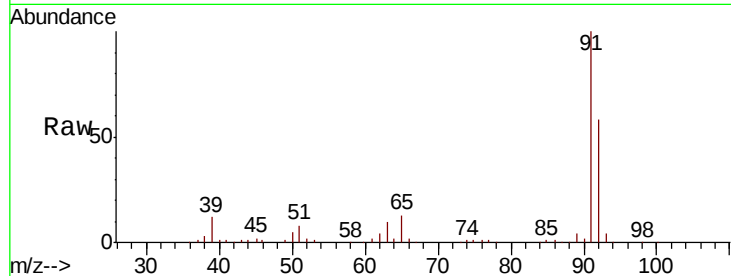
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 201321

Ion Ratio Lower Upper

91 100

92 58.3 40.7 75.7



Abundance Ion 91.15 (90.85 to 91.85): VV015667.D (-1951) (-)

Ion 92.15 (91.85 to 92.85): VV015667.D (-1951) (-)

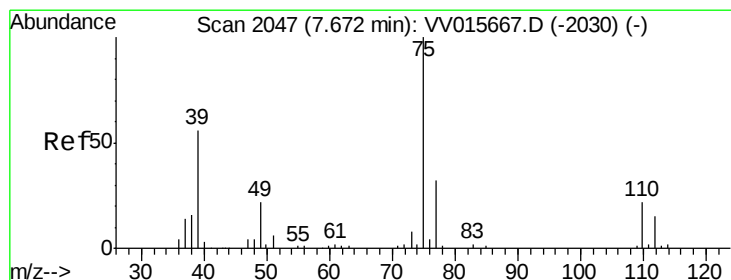
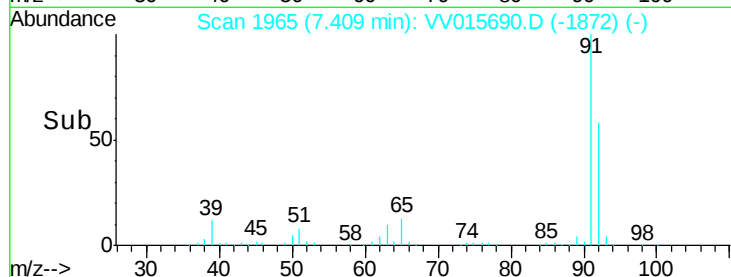
7.41

100000

50000

0

Time--> 7.30 7.40 7.50



#44

trans-1,3-Dichloropropene

Concen: 4.511 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV015690.D

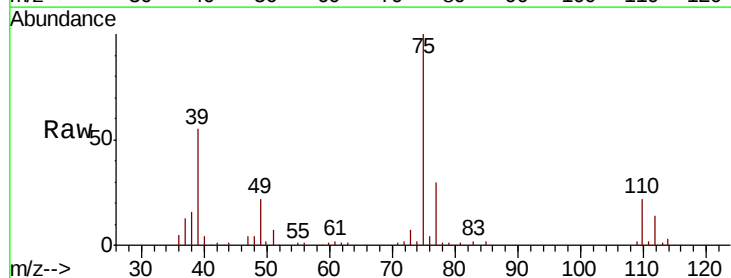
Acq: 25 Apr 2020 13:11

Tgt Ion: 75 Resp: 50117

Ion Ratio Lower Upper

75 100

77 29.8 21.8 40.6



Abundance Ion 75.05 (74.75 to 75.75): VV015667.D (-2030) (-)

Ion 77.05 (76.75 to 77.75): VV015667.D (-2030) (-)

7.67

30000

25000

20000

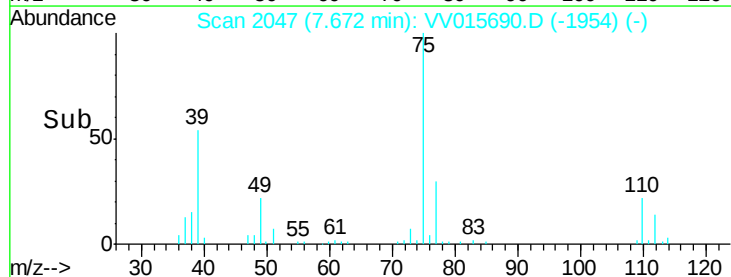
15000

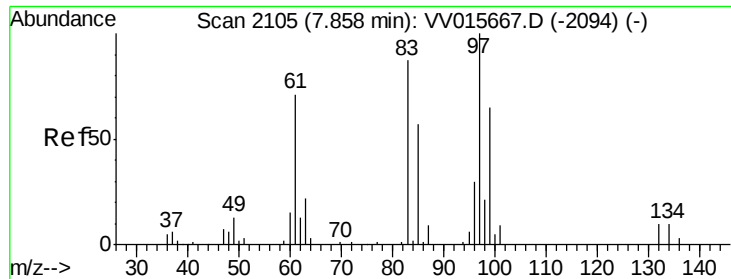
10000

5000

0

Time--> 7.60 7.70 7.80

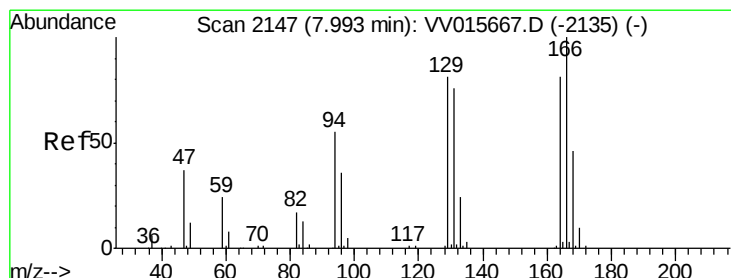
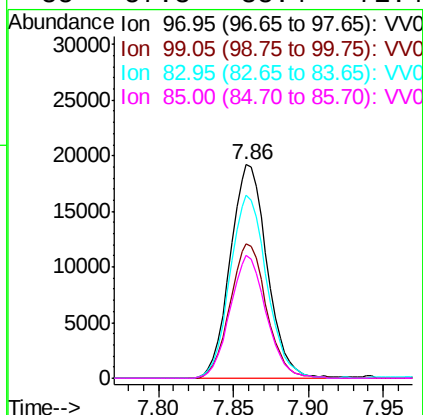
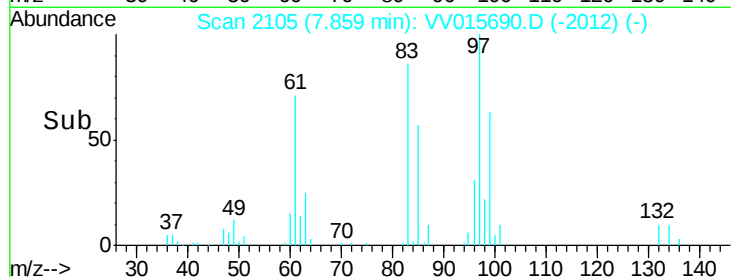
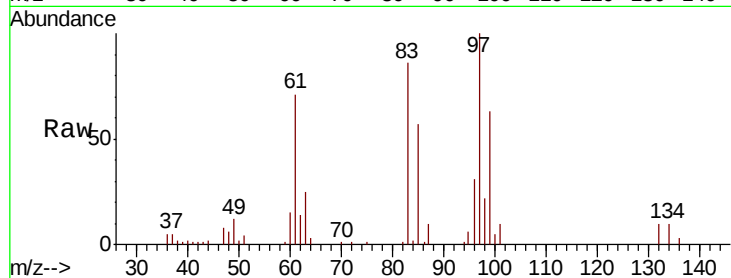




#45
 1,1,2-Trichloroethane
 Concen: 5.100 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: VV015690.D
 Acq: 25 Apr 2020 13:11

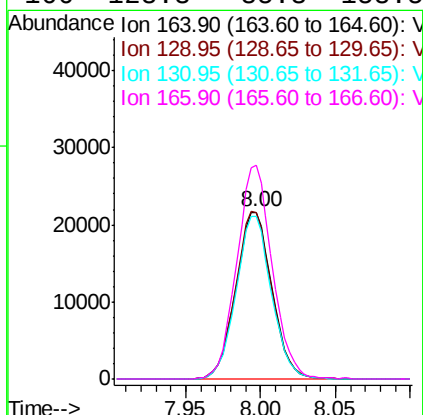
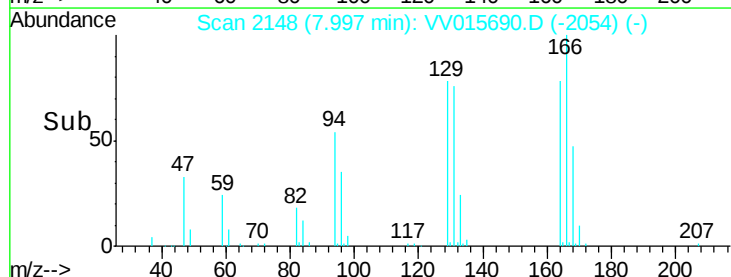
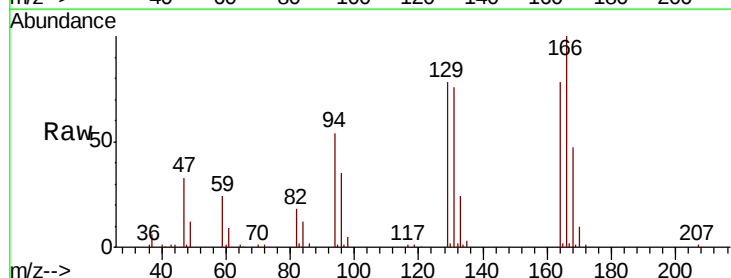
Instrument :
 MSVOA_V
 ClientSampled :

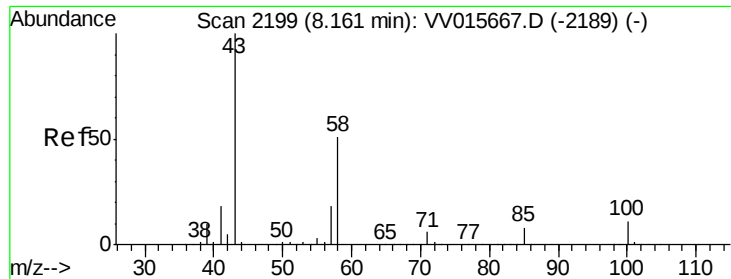
Tot Ion:	97	Resp:	32970
Ion	Ratio	Lower	Upper
97	100		
99	63.0	45.4	84.4
83	85.5	61.3	113.9
85	57.3	38.4	71.4



#47
 Tetrachloroethene
 Concen: 4.872 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV015690.D
 Acq: 25 Apr 2020 13:11

Tgt Ion:	164	Resp:	36146
Ion	Ratio	Lower	Upper
164	100		
129	99.9	66.7	123.9
131	97.5	66.6	123.6
166	128.3	85.3	158.5

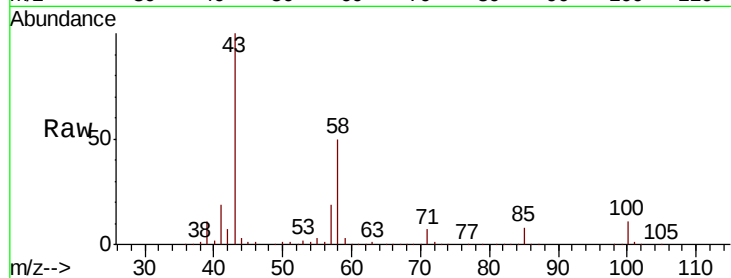




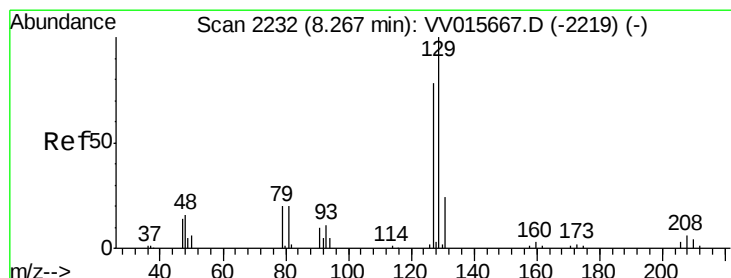
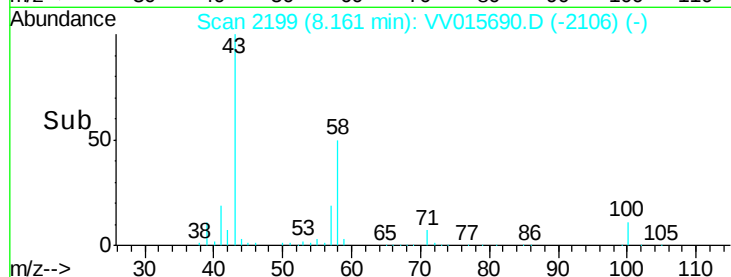
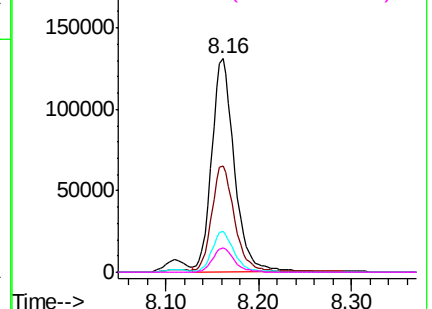
#48
2-Hexanone
Concen: 50.704 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. 0.00 min
Lab File: VV015690.D
Acq: 25 Apr 2020 13:11

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 222566
Ion Ratio Lower Upper
43 100
58 49.7 41.1 61.7
57 18.4 15.0 22.4
100 11.0 9.0 13.4

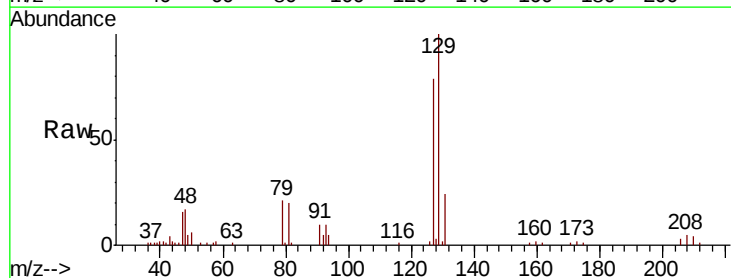


Abundance Ion 43.05 (42.75 to 43.75): VV015667.D (-2189) (-)
Ion 58.05 (57.75 to 58.75): VV015667.D (-2189) (-)
Ion 57.20 (56.90 to 57.90): VV015667.D (-2189) (-)
Ion 100.15 (99.85 to 100.85): VV015667.D (-2189) (-)

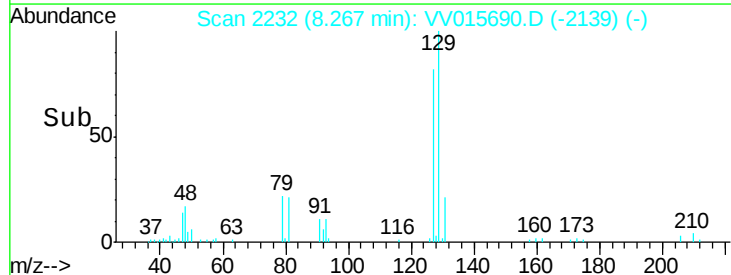
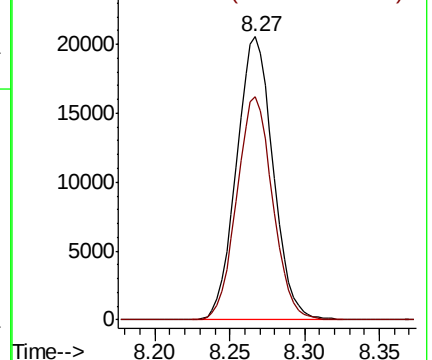


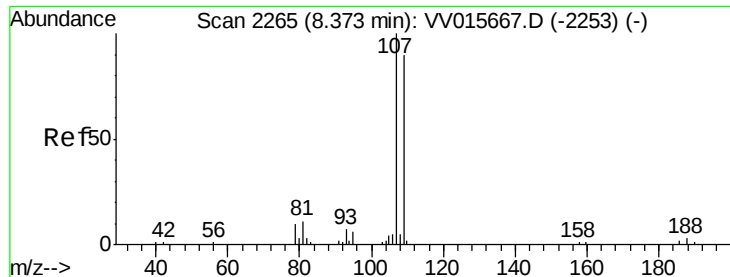
#49
Dibromochloromethane
Concen: 5.225 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV015690.D
Acq: 25 Apr 2020 13:11

Tgt Ion: 129 Resp: 34959
Ion Ratio Lower Upper
129 100
127 78.7 52.6 97.8



Abundance Ion 128.95 (128.65 to 129.65): VV015667.D (-2219) (-)
Ion 126.90 (126.60 to 127.60): VV015667.D (-2219) (-)

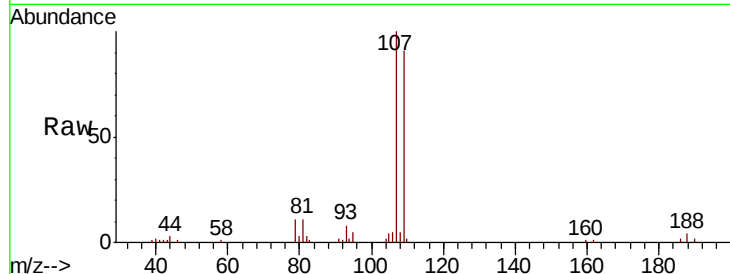




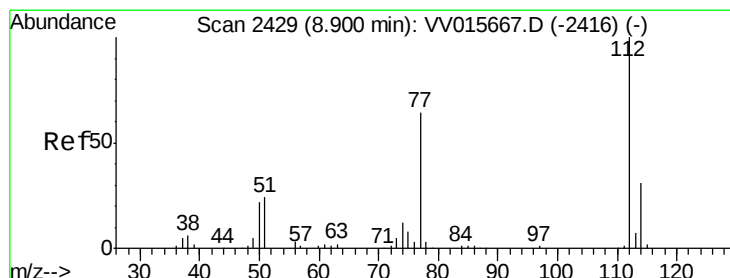
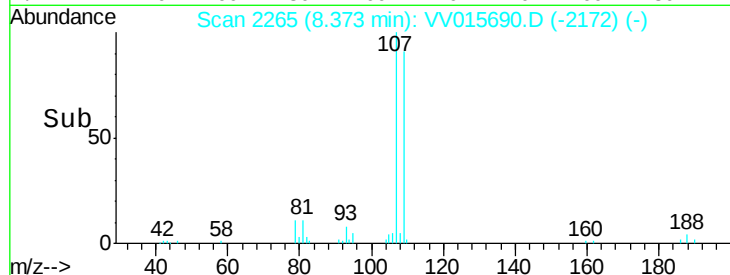
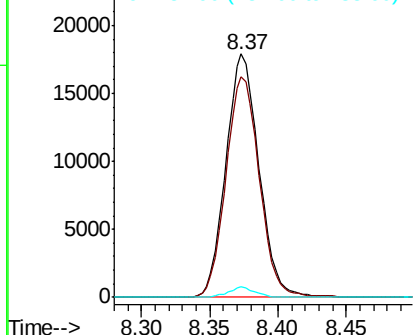
#50
1,2-Dibromoethane
Concen: 5.044 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV015690.D
Acq: 25 Apr 2020 13:11

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	90.5	68.1	126.5
188	4.2	3.2	4.8

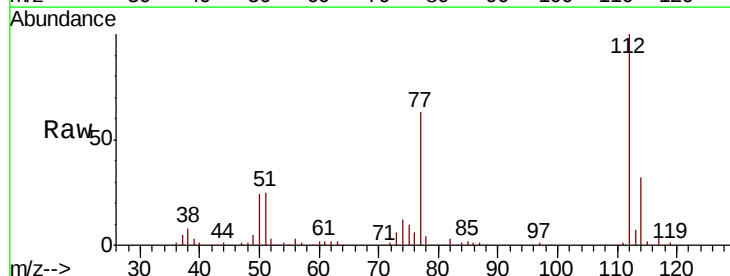


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

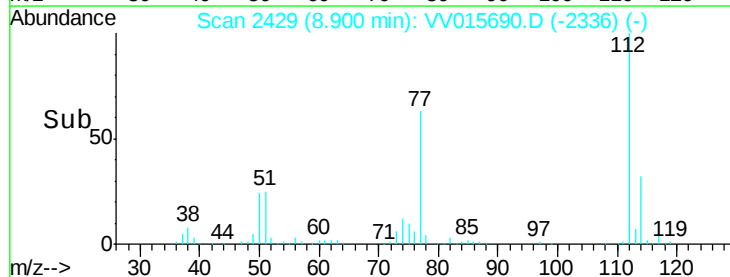
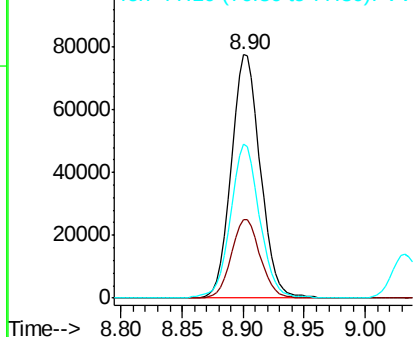


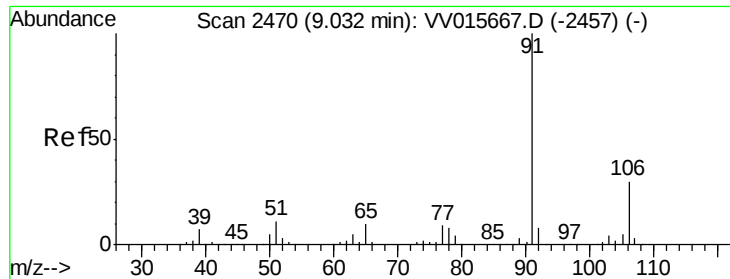
#51
Chlorobenzene
Concen: 4.928 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. 0.00 min
Lab File: VV015690.D
Acq: 25 Apr 2020 13:11

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.3	21.6	40.2
77	63.4	48.9	73.3



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





#52

Ethylbenzene

Concen: 4.949 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV015690.D

Acq: 25 Apr 2020 13:11

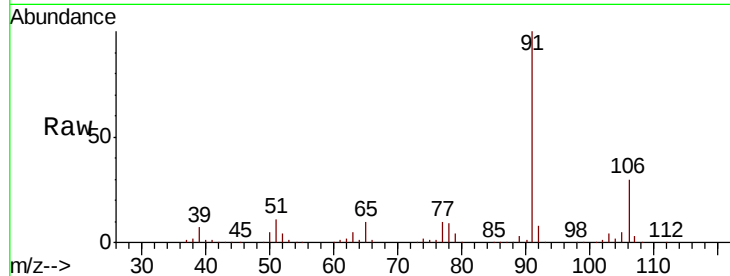
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 228354

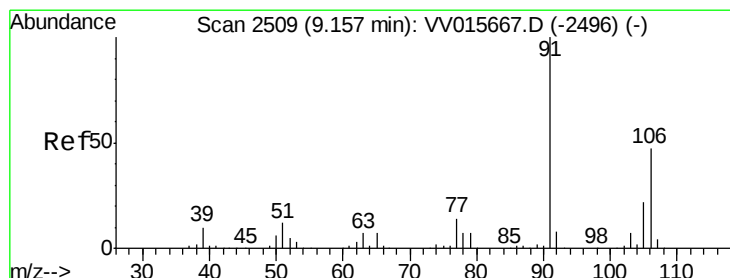
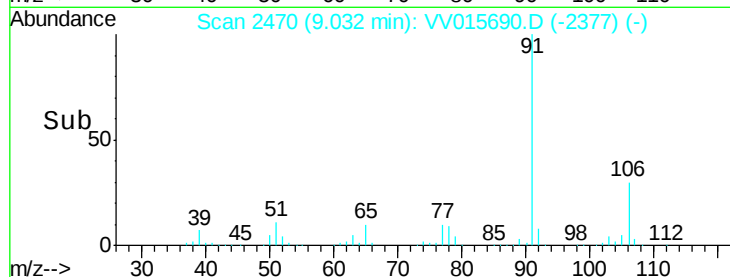
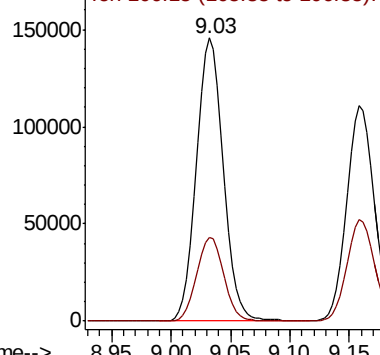
Ion Ratio Lower Upper

91 100

106 29.6 21.3 39.5



Abundance Ion 91.15 (90.85 to 91.85): VV015690.D (-2377) (-)



#53

m,p-xylene

Concen: 5.043 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV015690.D

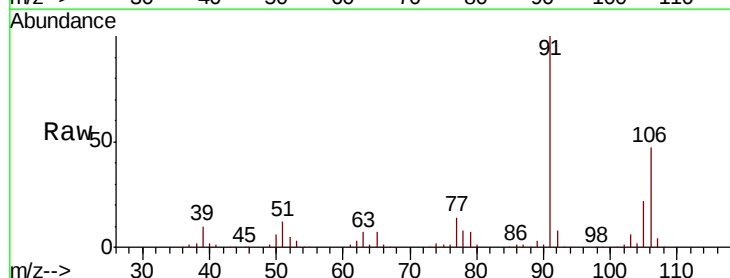
Acq: 25 Apr 2020 13:11

Tgt Ion: 106 Resp: 85228

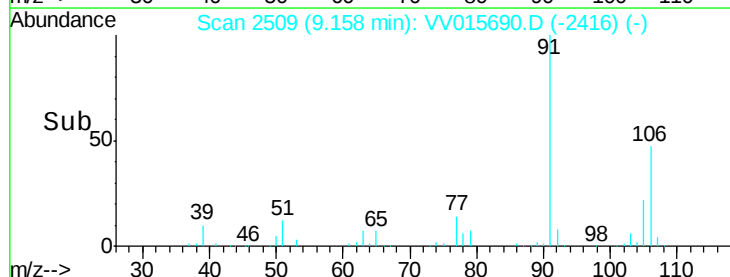
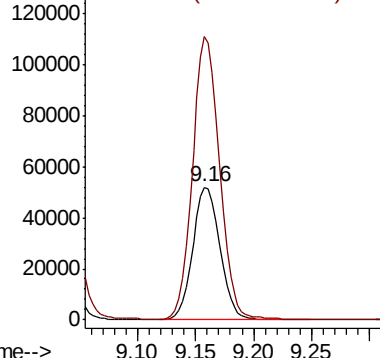
Ion Ratio Lower Upper

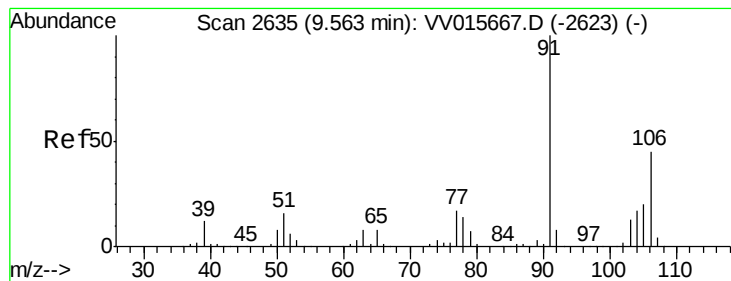
106 100

91 212.9 147.8 274.4



Abundance Ion 106.15 (105.85 to 106.85): VV015690.D (-2416) (-)





#54

o-xylene

Concen: 4.980 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV015690.D

Acq: 25 Apr 2020 13:11

Instrument :

MSVOA_V

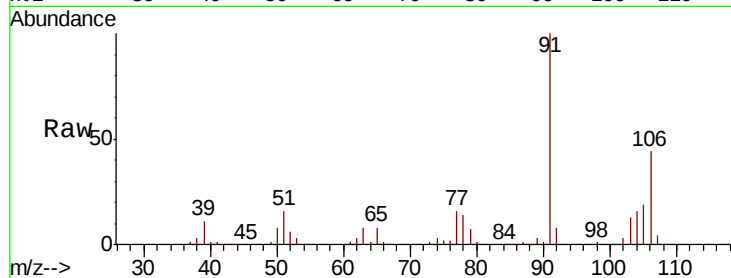
ClientSampleId :

Tot Ion:106 Resp: 81433

Ion Ratio Lower Upper

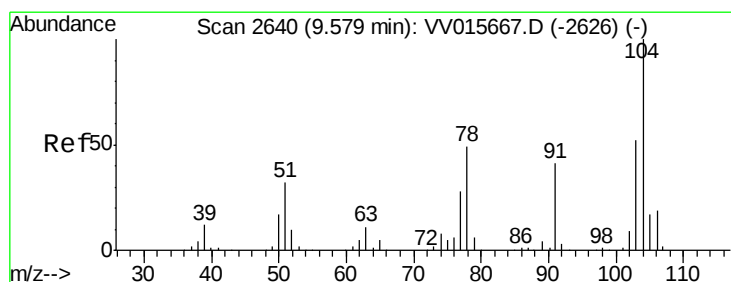
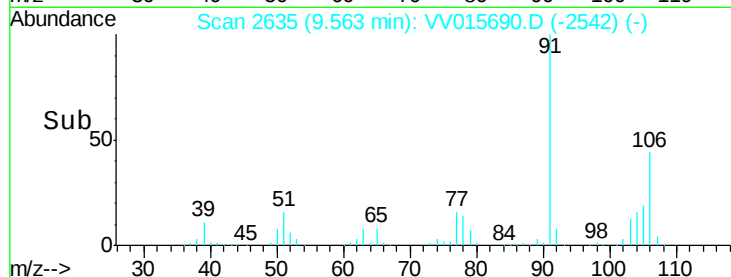
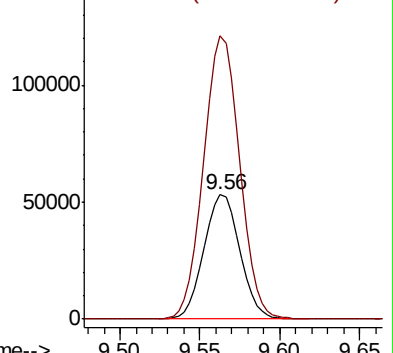
106 100

91 227.3 159.8 296.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.109 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV015690.D

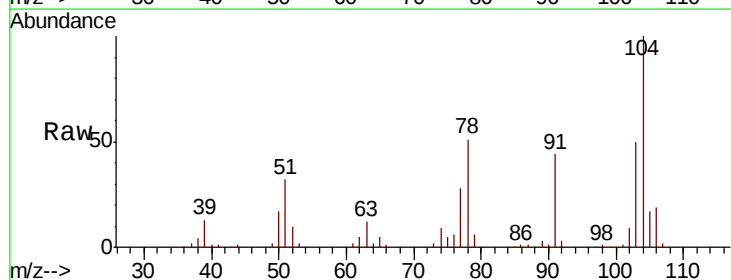
Acq: 25 Apr 2020 13:11

Tgt Ion:104 Resp: 141759

Ion Ratio Lower Upper

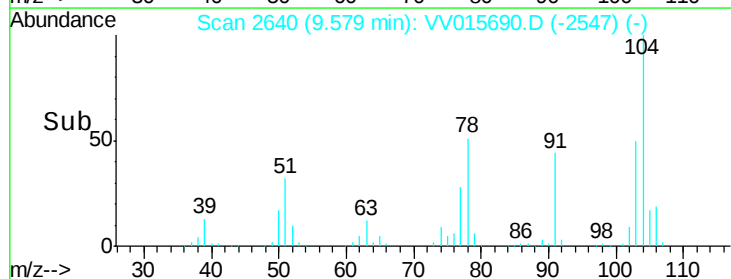
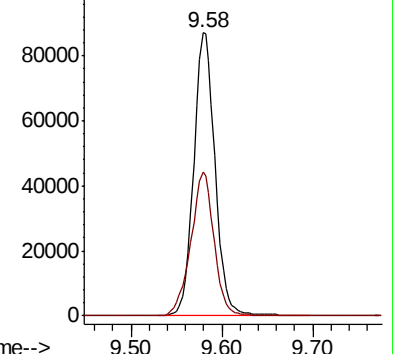
104 100

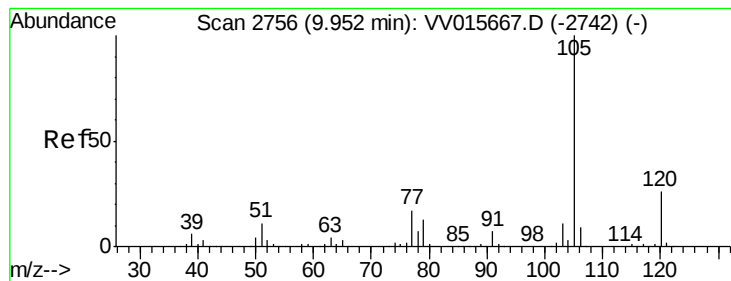
78 50.9 34.5 64.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 4.874 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV015690.D

Acq: 25 Apr 2020 13:11

Instrument :
MSVOA_V
ClientSampleId :

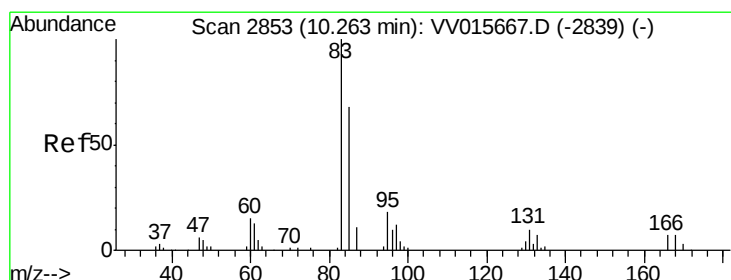
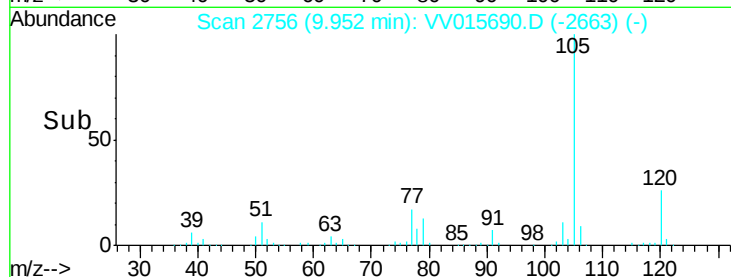
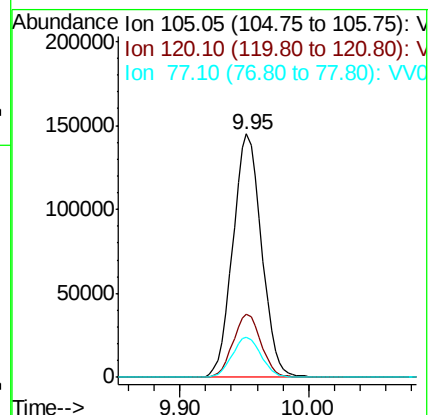
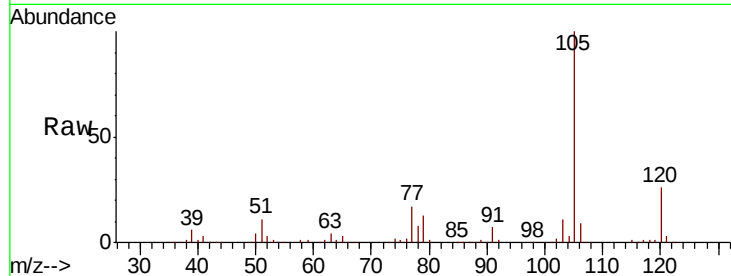
Tot Ion:105 Resp: 223620

Ion Ratio Lower Upper

105 100

120 25.6 20.7 31.1

77 16.8 13.9 20.9



#58

1,1,2,2-Tetrachloroethane

Concen: 4.961 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV015690.D

Acq: 25 Apr 2020 13:11

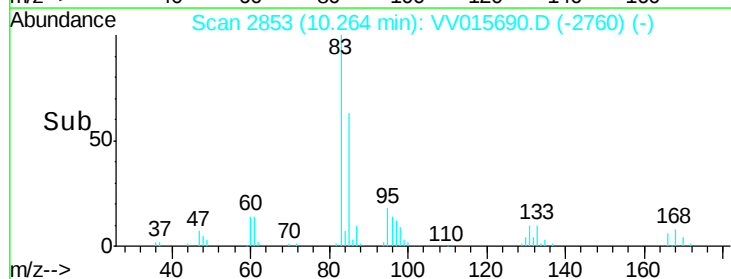
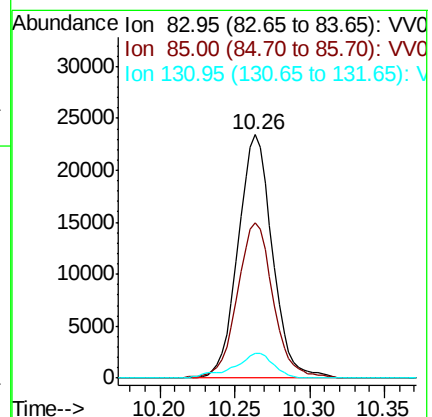
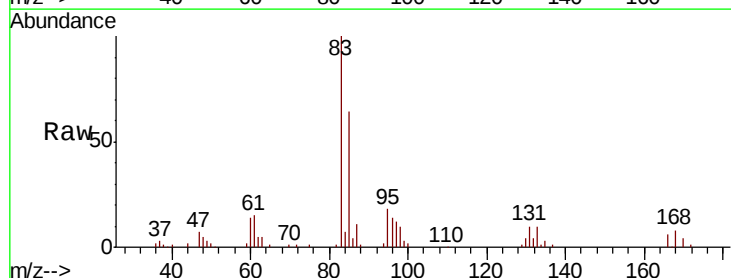
Tgt Ion: 83 Resp: 37446

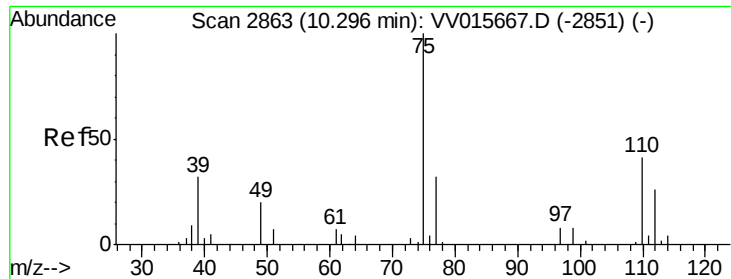
Ion Ratio Lower Upper

83 100

85 64.0 46.3 85.9

131 10.1 7.7 11.5





#59

1,2,3-Trichloropropane

Concen: 4.875 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV015690.D

Acq: 25 Apr 2020 13:11

Instrument :

MSVOA_V

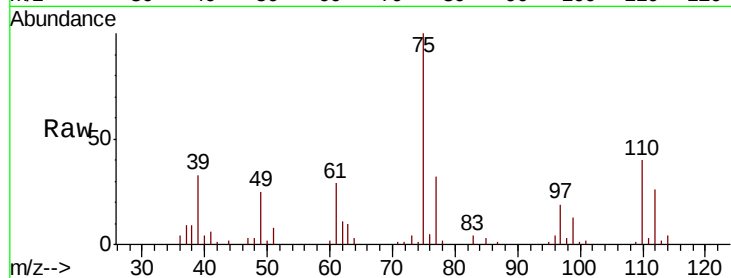
ClientSampleId :

Tot Ion: 75 Resp: 29521

Ion Ratio Lower Upper

75 100

77 31.2 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VV015667.D (-2851) (-)

Ion 77.00 (76.70 to 77.70): VV015667.D (-2851) (-)

10.30

20000

15000

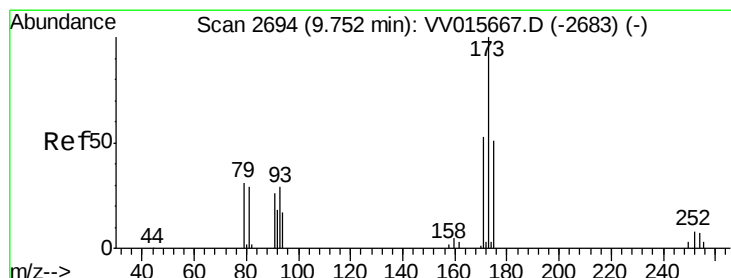
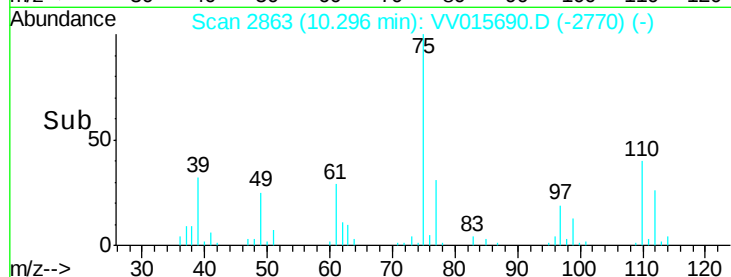
10000

5000

0

Time-->

10.25 10.30 10.35



#61

Bromoform

Concen: 5.584 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV015690.D

Acq: 25 Apr 2020 13:11

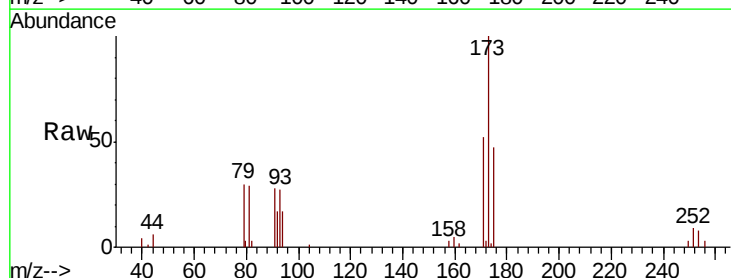
Tgt Ion: 173 Resp: 15088

Ion Ratio Lower Upper

173 100

175 46.9 39.8 59.8

254 7.7 5.8 8.8



Abundance Ion 172.90 (172.60 to 173.60): VV015667.D (-2683) (-)

Ion 174.90 (174.60 to 175.60): VV015667.D (-2683) (-)

Ion 253.75 (253.45 to 254.45): VV015667.D (-2683) (-)

9.75

12000

10000

8000

6000

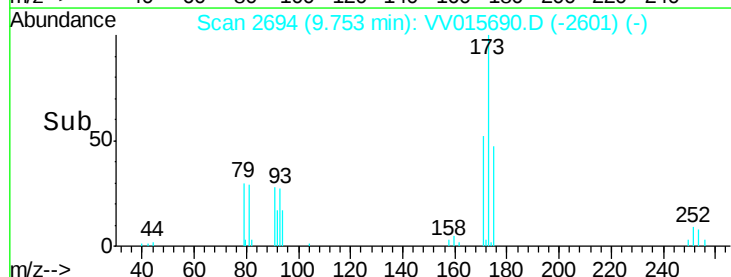
4000

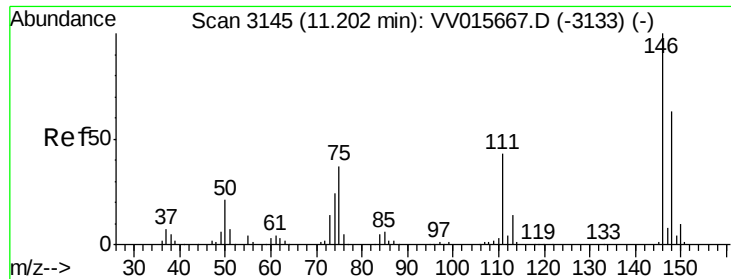
2000

0

Time-->

9.70 9.75 9.80





#62

1,3-Dichlorobenzene

Concen: 5.001 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV015690.D

Acq: 25 Apr 2020 13:11

Instrument :

MSVOA_V

ClientSampled :

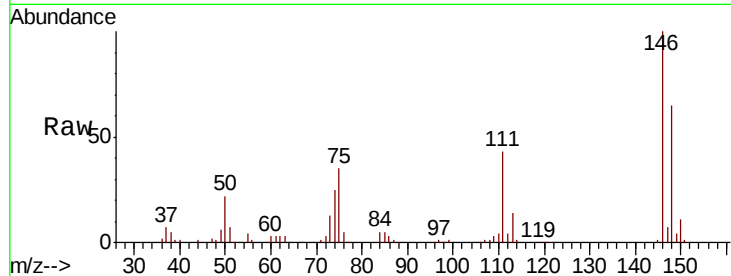
Tot Ion:146 Resp: 103621

Ion Ratio Lower Upper

146 100

111 43.2 30.0 55.6

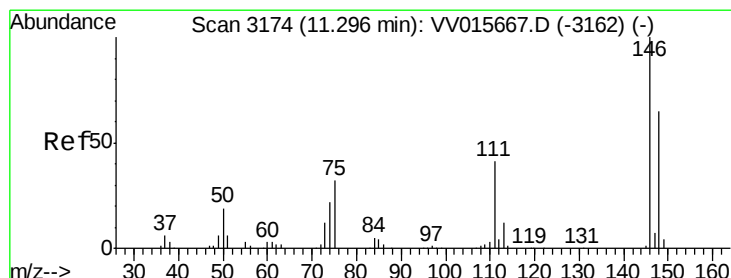
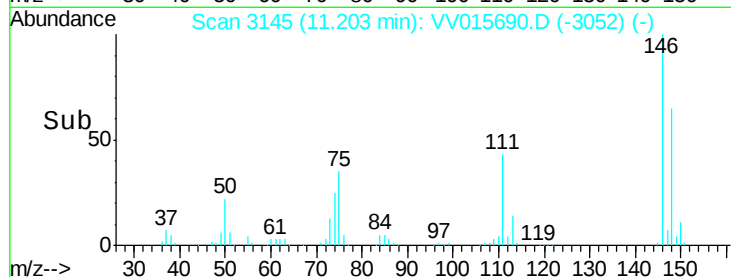
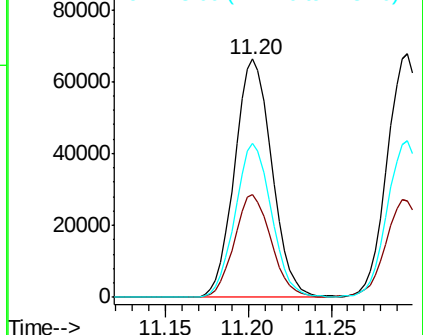
148 64.8 44.2 82.2



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: 5.014 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV015690.D

Acq: 25 Apr 2020 13:11

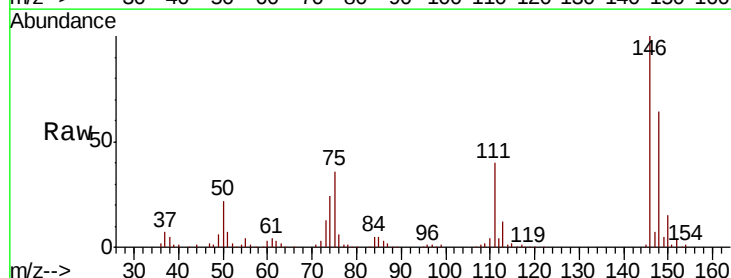
Tgt Ion:146 Resp: 104768

Ion Ratio Lower Upper

146 100

111 39.7 28.2 52.4

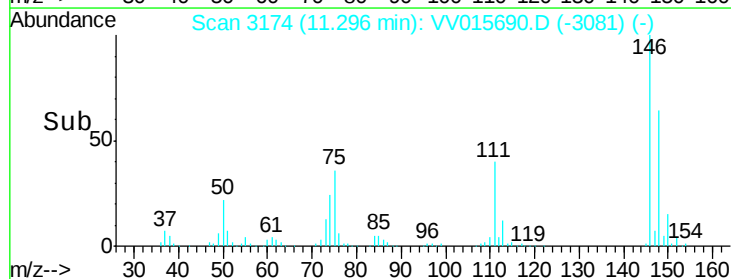
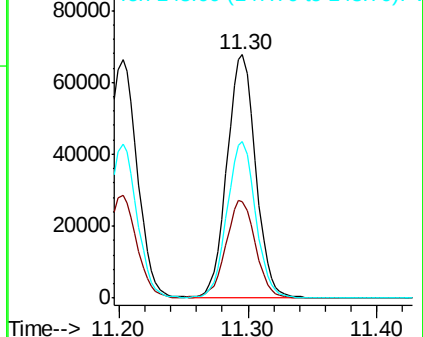
148 64.1 45.7 84.9

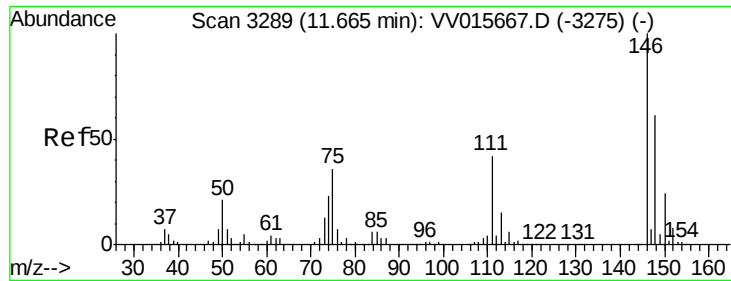


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.080 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV015690.D

Acq: 25 Apr 2020 13:11

Instrument :

MSVOA_V

ClientSampleId :

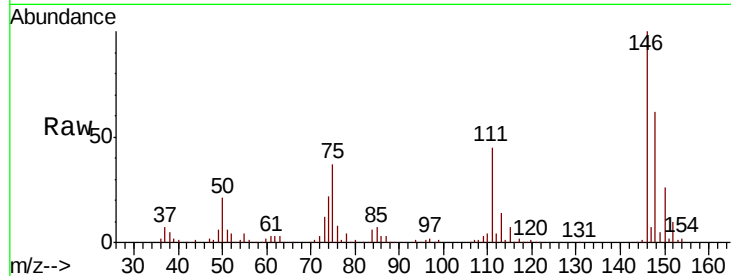
Tot Ion:146 Resp: 95183

Ion Ratio Lower Upper

146 100

111 44.7 34.7 52.1

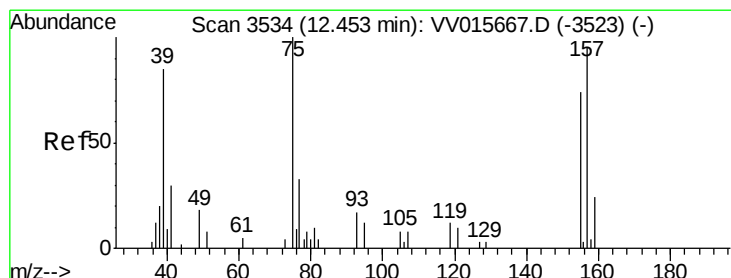
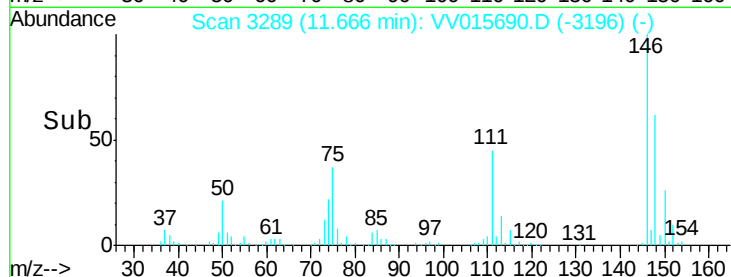
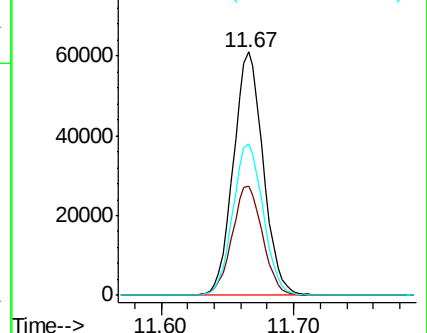
148 62.2 51.3 76.9



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: 5.193 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. 0.00 min

Lab File: VV015690.D

Acq: 25 Apr 2020 13:11

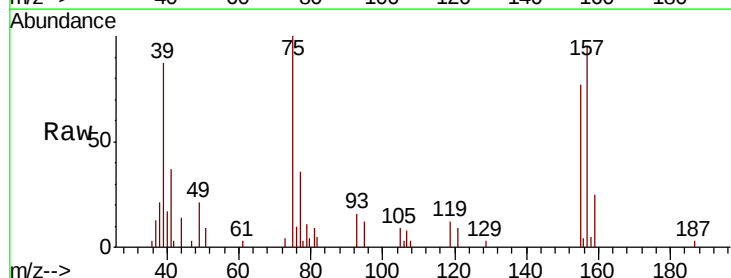
Tgt Ion: 75 Resp: 6339

Ion Ratio Lower Upper

75 100

155 77.2 51.0 76.4#

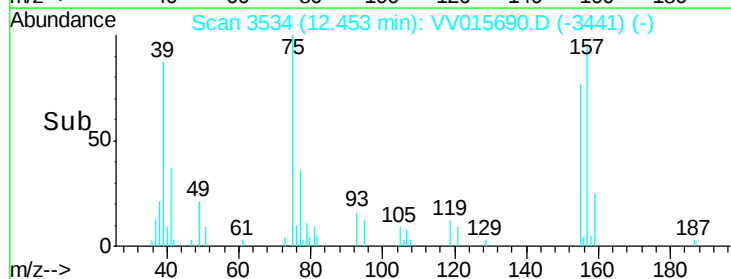
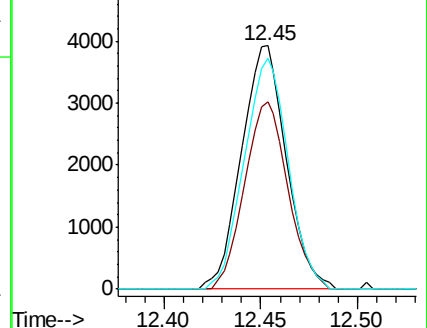
157 94.9 70.6 106.0

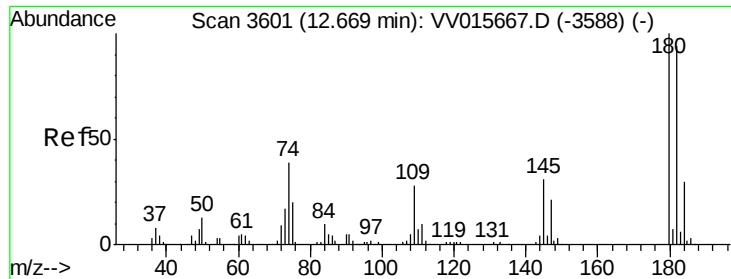


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

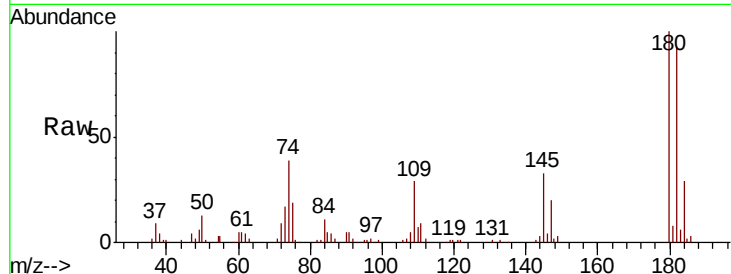




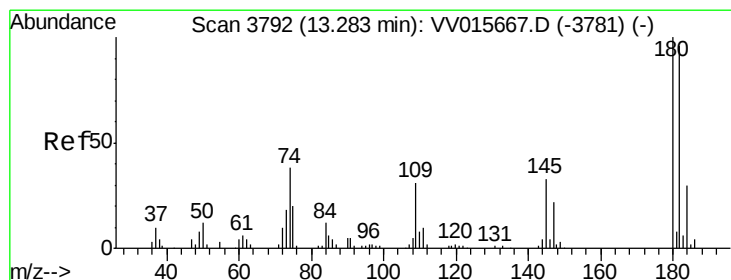
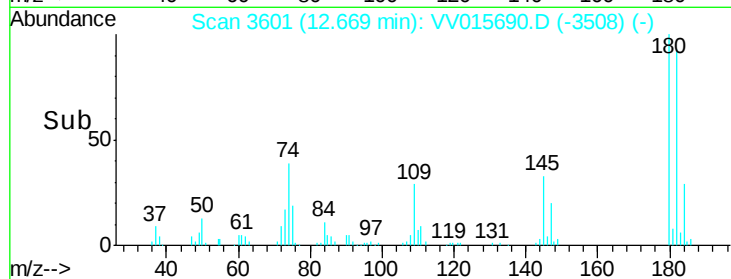
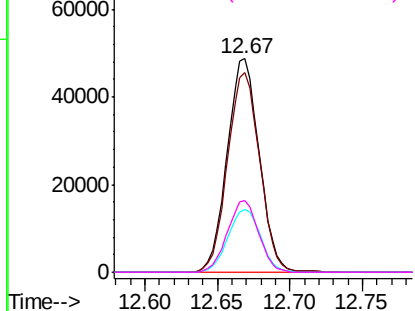
#67
 1,3,5-Trichlorobenzene
 Concen: 4.875 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV015690.D
 Acq: 25 Apr 2020 13:11

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 74646
 Ion Ratio Lower Upper
 180 100
 182 93.8 78.2 117.4
 184 29.8 25.0 37.4
 145 32.5 26.4 39.6

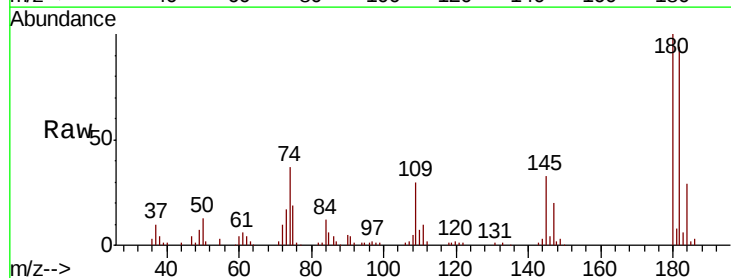


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

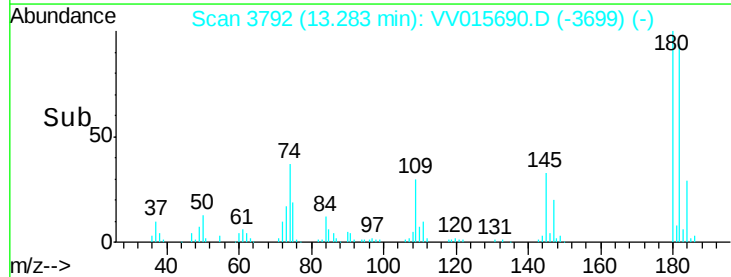
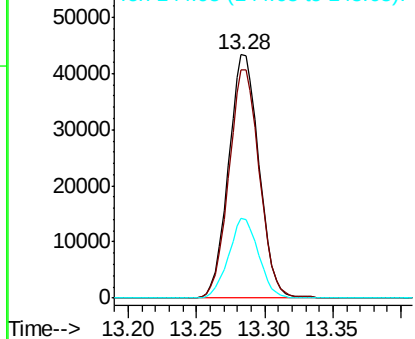


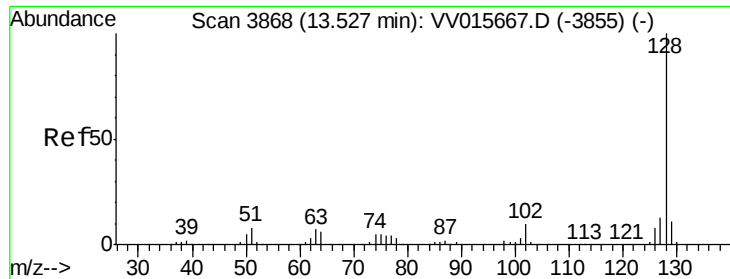
#68
 1,2,4-trichlorobenzene
 Concen: 4.765 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV015690.D
 Acq: 25 Apr 2020 13:11

Tgt Ion:180 Resp: 67151
 Ion Ratio Lower Upper
 180 100
 182 94.2 74.8 112.2
 145 32.1 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: 4.678 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV015690.D

Acq: 25 Apr 2020 13:11

Instrument :

MSVOA_V

ClientSampleId :

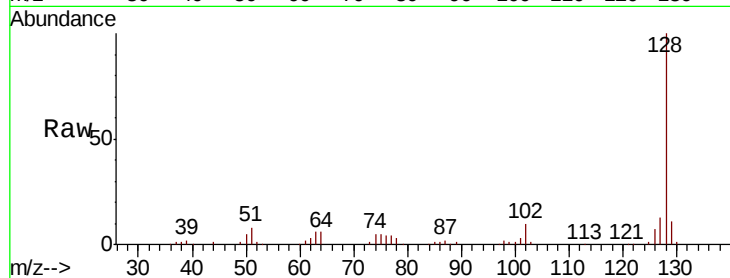
Tot Ion:128 Resp: 117982

Ion Ratio Lower Upper

128 100

129 10.8 8.4 12.6

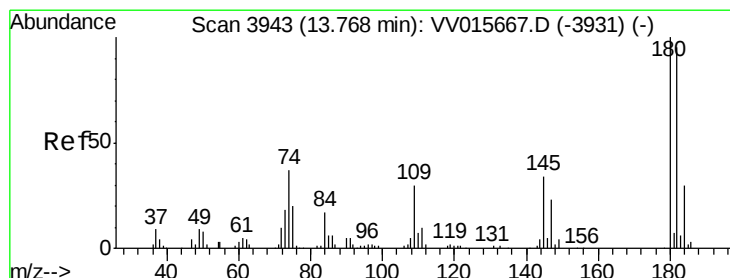
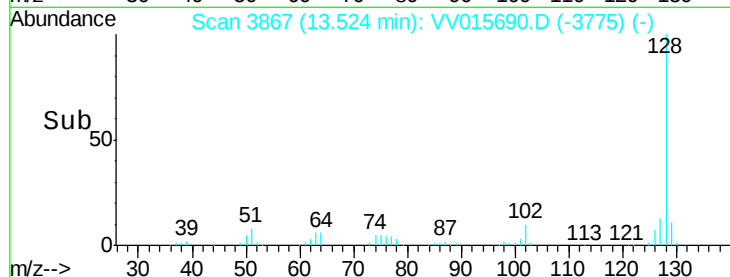
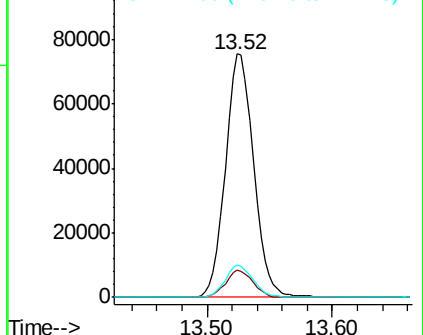
127 13.1 10.2 15.4



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: 4.782 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV015690.D

Acq: 25 Apr 2020 13:11

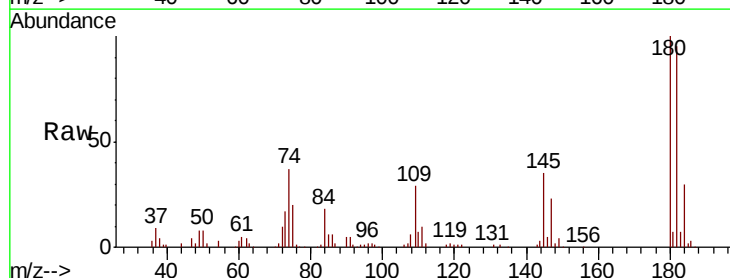
Tgt Ion:180 Resp: 59470

Ion Ratio Lower Upper

180 100

182 94.3 74.8 112.2

145 35.4 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

