

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042820\
 Data File : VV015761.D
 Acq On : 28 Apr 2020 21:08
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 29 00:46:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Apr 29 00:40:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	127680	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	123935	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	64291	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	40371	6.05	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	121.00%
7) Chloroethane-d5	1.58	69	34036	5.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.80%
11) 1,1-Dichloroethene-d2	2.12	63	80036	5.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	109.60%
20) 2-Butanone-d5	3.93	46	98640	46.04	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.08%
24) Chloroform-d	4.38	84	71896	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.40%
26) 1,2-Dichloroethane-d4	5.06	65	40434	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.00%
32) Benzene-d6	5.08	84	140519	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
36) 1,2-Dichloropropane-d6	6.09	67	42333	4.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.60%
41) Toluene-d8	7.34	98	132747	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
43) trans-1,3-Dichloropropene-	7.64	79	16426	4.49	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.80%
46) 2-Hexanone-d5	8.11	63	75948	42.61	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.22%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	30928	4.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.80%
64) 1,2-Dichlorobenzene-d4	11.65	152	46781	4.28	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	58190	5.321	ug/L 100
3) Chloromethane	1.25	50	52300	5.528	ug/L 99
5) Vinyl chloride	1.32	62	55494	5.492	ug/L 99
6) Bromomethane	1.53	94	25445	5.865	ug/L 95
8) Chloroethane	1.60	64	34774	5.240	ug/L 98
9) Trichlorofluoromethane	1.76	101	80608	5.684	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	44396	5.534	ug/L 97
12) 1,1-Dichloroethene	2.13	96	41772	5.621	ug/L 94
13) Acetone	2.22	43	83984	56.452	ug/L 100
14) Carbon disulfide	2.31	76	113057	5.382	ug/L 99
15) Methyl Acetate	2.46	43	19820	5.602	ug/L 94
16) Methylene chloride	2.52	84	48706	5.309	ug/L 99
17) Methyl tert-butyl Ether	2.79	73	116259	5.573	ug/L 98
18) trans-1,2-Dichloroethene	2.78	96	45707	5.493	ug/L 97
19) 1,1-Dichloroethane	3.21	63	93117	5.699	ug/L 100
21) 2-Butanone	4.01	43	129927	56.620	ug/L 96
22) cis-1,2-Dichloroethene	3.94	96	51440	5.591	ug/L 96

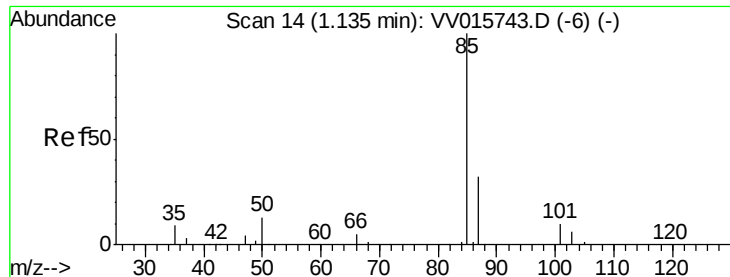
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042820\
 Data File : VV015761.D
 Acq On : 28 Apr 2020 21:08
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 29 00:46:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Apr 29 00:40:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	21571	5.740	ug/L	94
25) Chloroform	4.40	83	101787	5.868	ug/L	95
27) 1,2-Dichloroethane	5.16	62	64835	5.690	ug/L	99
29) 1,1,1-Trichloroethane	4.64	97	86286	5.490	ug/L	99
30) Cyclohexane	4.70	56	79253	5.278	ug/L	100
31) Carbon tetrachloride	4.86	117	71989	5.531	ug/L	100
33) Benzene	5.13	78	194536	5.494	ug/L	100
34) Trichloroethene	5.94	95	53986	5.521	ug/L	98
35) Methylcyclohexane	6.16	83	77927	5.192	ug/L	99
37) 1,2-Dichloropropane	6.20	63	51070	5.674	ug/L	99
38) Bromodichloromethane	6.53	83	63816	5.584	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	66517	5.302	ug/L	98
40) 4-Methyl-2-pentanone	7.25	43	329513	56.411	ug/L	99
42) Toluene	7.41	91	207436	5.483	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	56413	5.351	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	35148	5.730	ug/L	98
47) Tetrachloroethene	8.00	164	37470	5.322	ug/L	97
48) 2-Hexanone	8.16	43	237239	56.953	ug/L	99
49) Dibromochloromethane	8.27	129	36632	5.770	ug/L	100
50) 1,2-Dibromoethane	8.38	107	32056	5.651	ug/L	97
51) Chlorobenzene	8.90	112	135364	5.461	ug/L	98
52) Ethylbenzene	9.03	91	238704	5.452	ug/L	98
53) m,p-xylene	9.16	106	89313	5.569	ug/L	97
54) o-xylene	9.57	106	85900	5.535	ug/L	97
55) Styrene	9.58	104	149555	5.680	ug/L	99
56) Isopropylbenzene	9.95	105	235518	5.410	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	40483	5.651	ug/L	98
59) 1,2,3-Trichloropropane	10.30	75	32529	5.661	ug/L	99
61) Bromoform	9.75	173	15550	5.859	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	109283	5.371	ug/L	98
63) 1,4-Dichlorobenzene	11.30	146	107978	5.262	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	99782	5.422	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	6831	5.697	ug/L	96
67) 1,3,5-Trichlorobenzene	12.67	180	77637	5.163	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	67793	4.899	ug/L	99
69) Naphthalene	13.53	128	115582	4.666	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	60884	4.985	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 5.321 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV015761.D

Acq: 28 Apr 2020 21:08

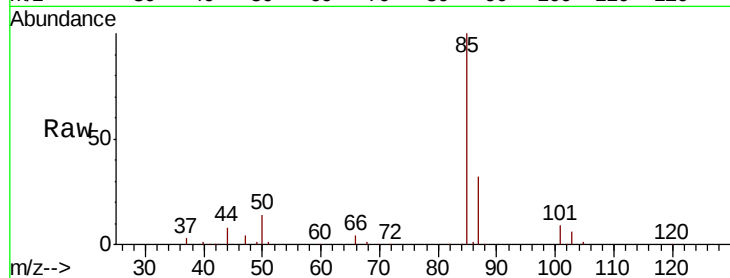
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 58190

Ion Ratio Lower Upper

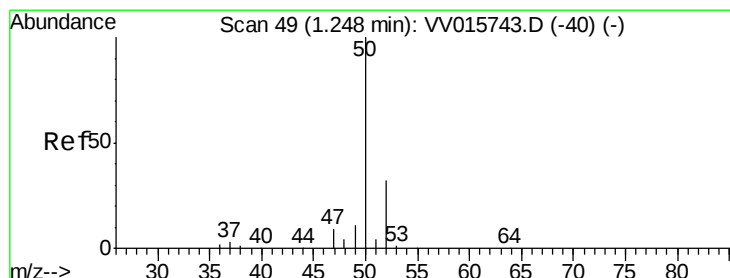
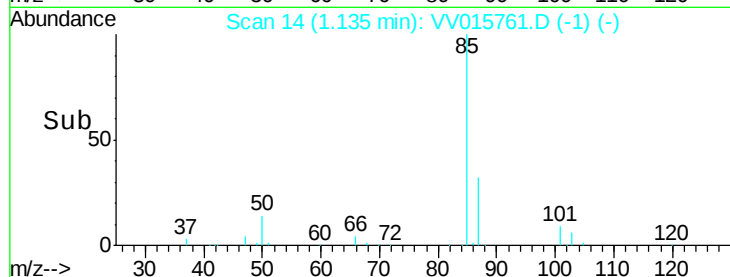
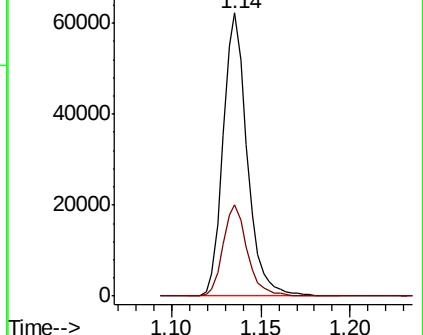
85 100

87 32.6 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VV015761.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV015761.D (-1) (-)



#3

Chloromethane

Concen: 5.528 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV015761.D

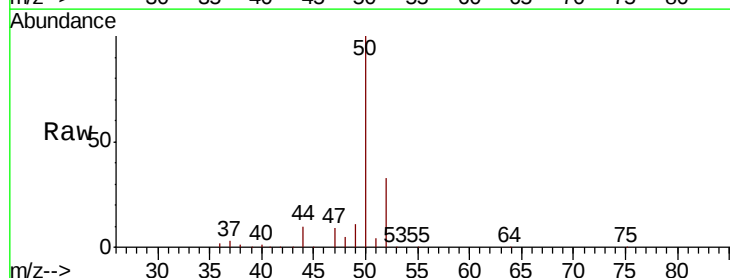
Acq: 28 Apr 2020 21:08

Tgt Ion: 50 Resp: 52300

Ion Ratio Lower Upper

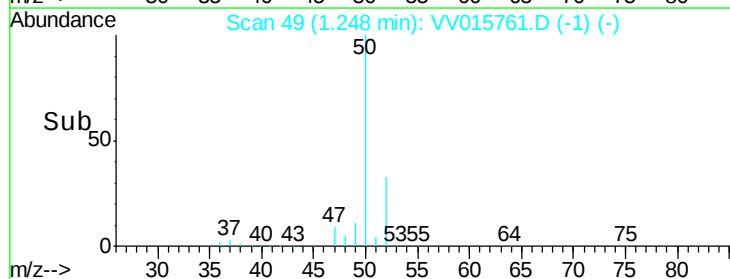
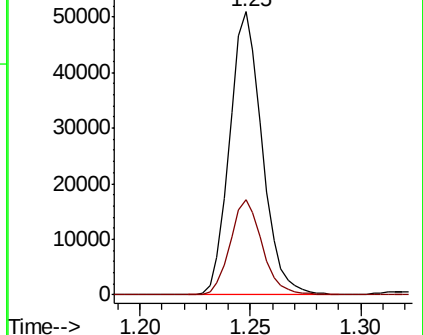
50 100

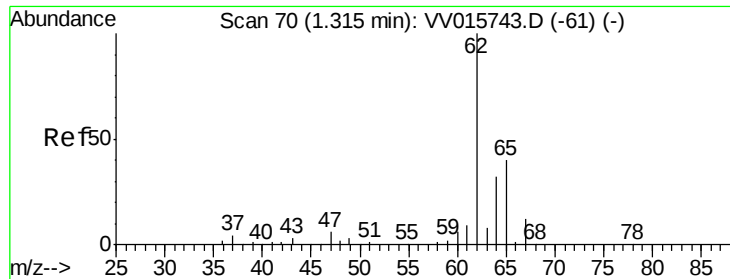
52 33.4 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV015761.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VV015761.D (-1) (-)





#5

Vinyl chloride

Concen: 5.492 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV015761.D

Acq: 28 Apr 2020 21:08

Instrument :

MSVOA_V

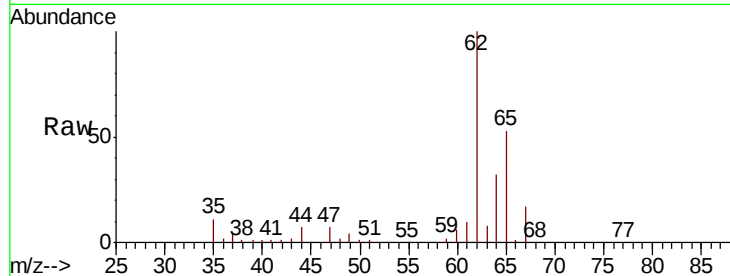
ClientSampled :

Tot Ion: 62 Resp: 55494

Ion Ratio Lower Upper

62 100

64 31.9 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

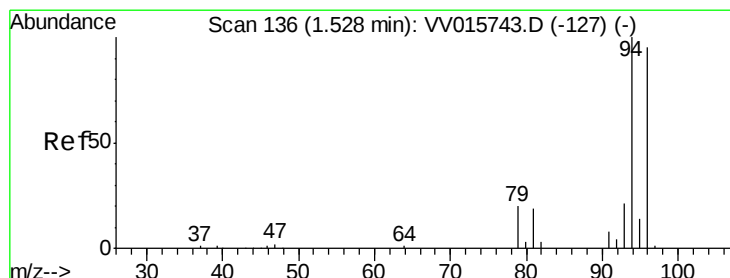
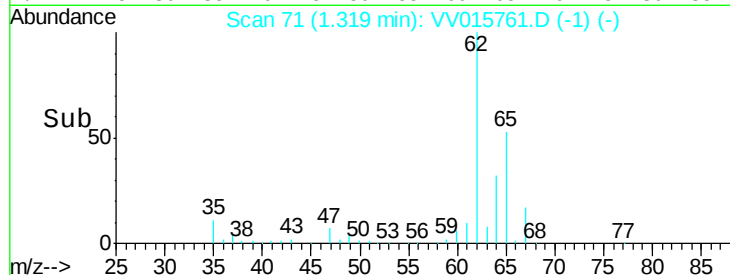
30000

20000

10000

0

Time-->



#6

Bromomethane

Concen: 5.865 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV015761.D

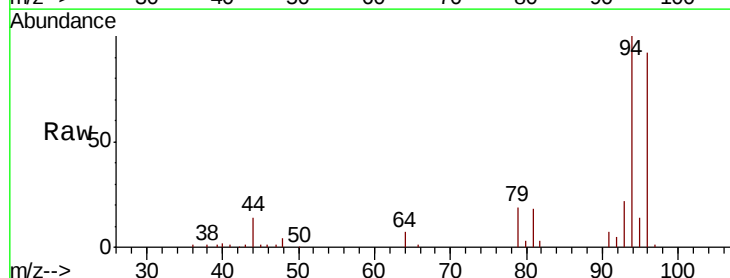
Acq: 28 Apr 2020 21:08

Tgt Ion: 94 Resp: 25445

Ion Ratio Lower Upper

94 100

96 91.6 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

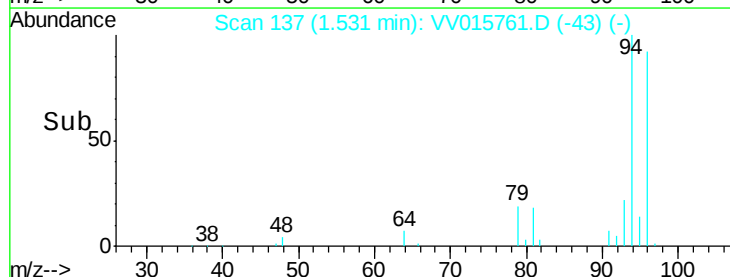
15000

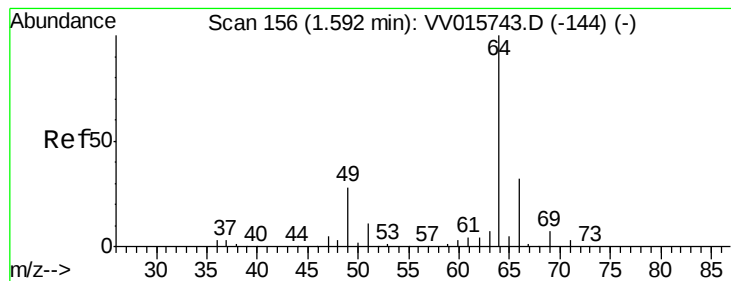
10000

5000

0

Time-->





#8

Chloroethane

Concen: 5.240 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV015761.D

Acq: 28 Apr 2020 21:08

Instrument :

MSVOA_V

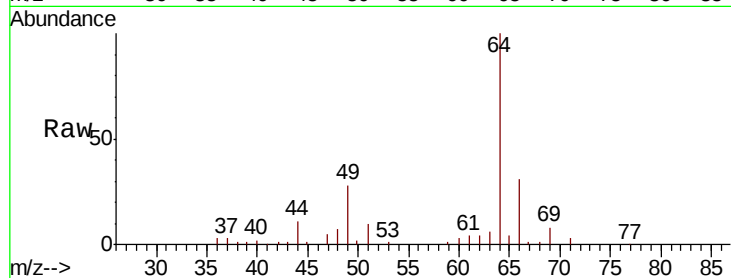
ClientSampleId :

Tot Ion: 64 Resp: 34774

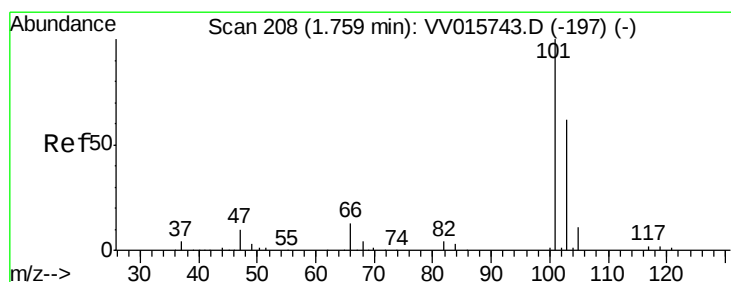
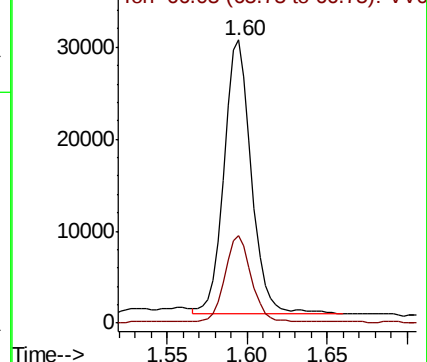
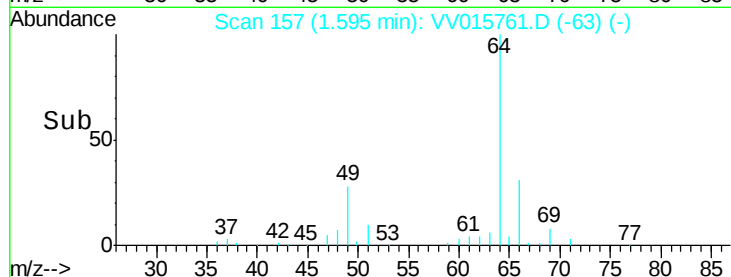
Ion Ratio Lower Upper

64 100

66 30.9 22.3 41.5



Abundance Ion 64.10 (63.80 to 64.80): VV015761.D (-63) (-)



#9

Trichlorofluoromethane

Concen: 5.684 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV015761.D

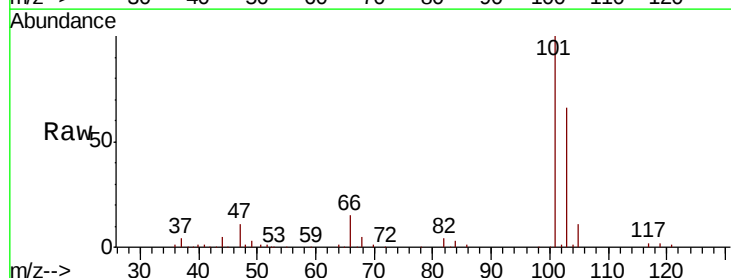
Acq: 28 Apr 2020 21:08

Tgt Ion: 101 Resp: 80608

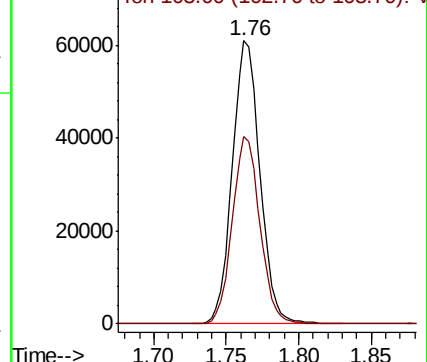
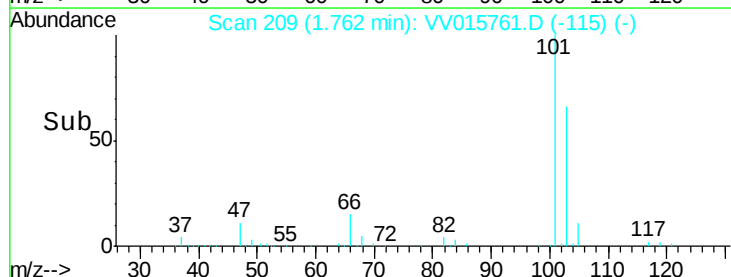
Ion Ratio Lower Upper

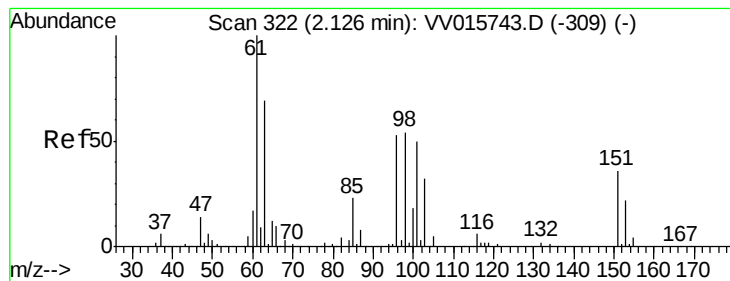
101 100

103 66.0 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VV015761.D (-115) (-)





#10

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

Concen: 5.534 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV015761.D

Acq: 28 Apr 2020 21:08

Instrument :

MSVOA_V

ClientSampled :

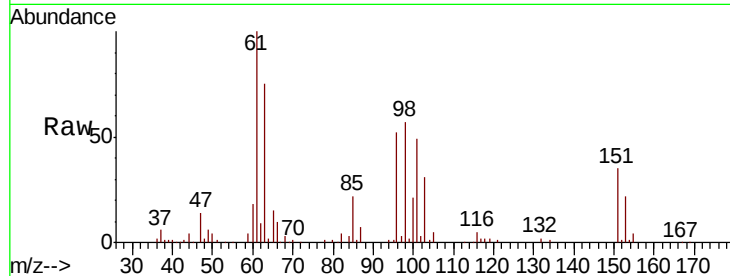
Tot Ion:101 Resp: 44396

Ion Ratio Lower Upper

101 100

85 45.1 36.1 54.1

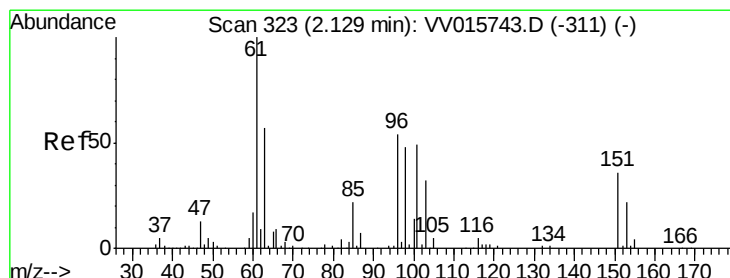
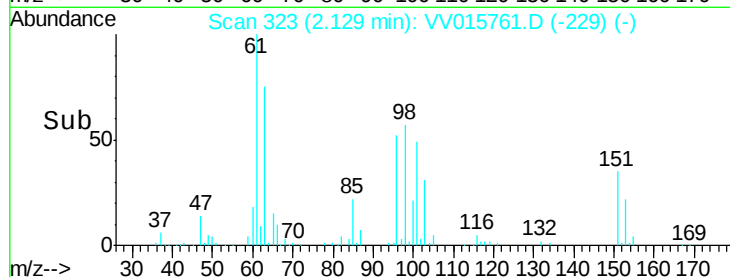
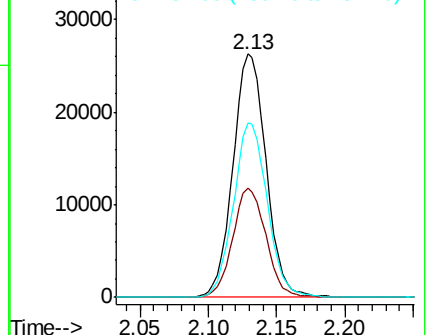
151 73.1 55.2 82.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.621 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV015761.D

Acq: 28 Apr 2020 21:08

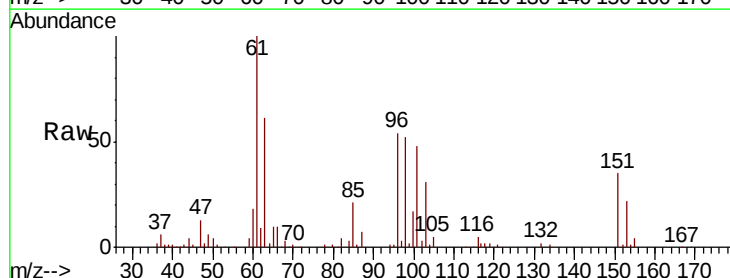
Tgt Ion: 96 Resp: 41772

Ion Ratio Lower Upper

96 100

61 185.7 130.1 241.7

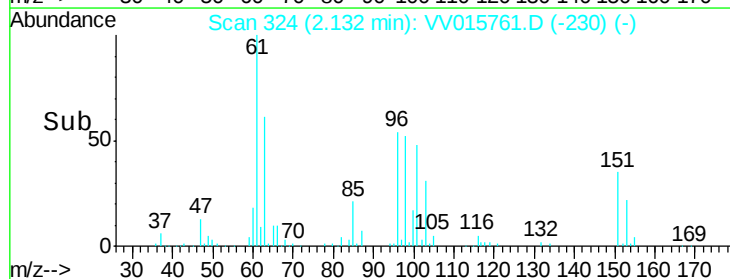
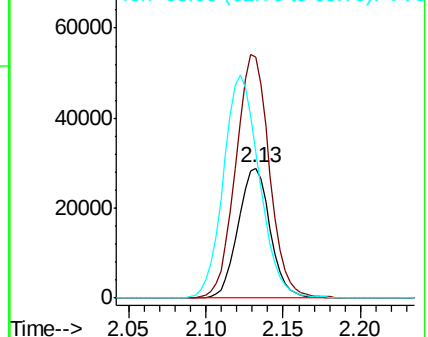
63 112.8 91.4 169.8

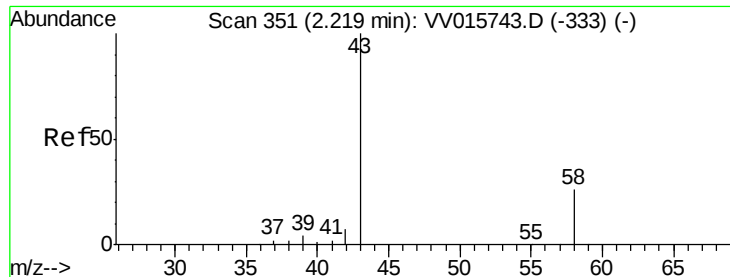


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 56.452 ug/L

RT: 2.22 min Scan# 351

Delta R.T. -0.00 min

Lab File: VV015761.D

Acq: 28 Apr 2020 21:08

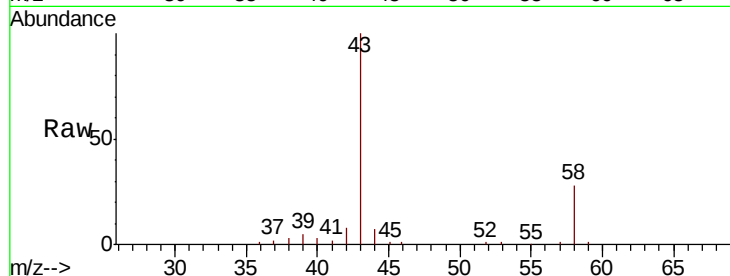
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 83984

Ion Ratio Lower Upper

43 100

58 28.6 0.0 57.6

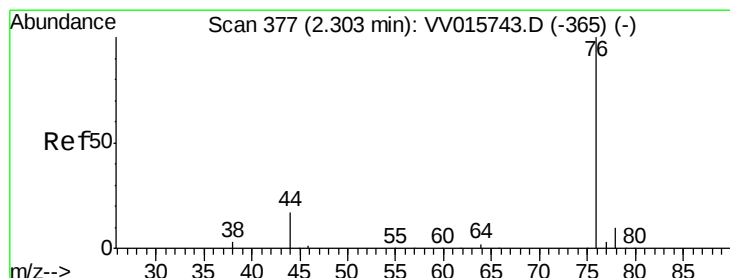
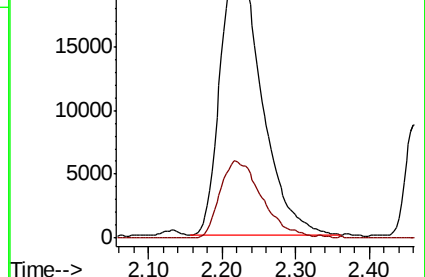
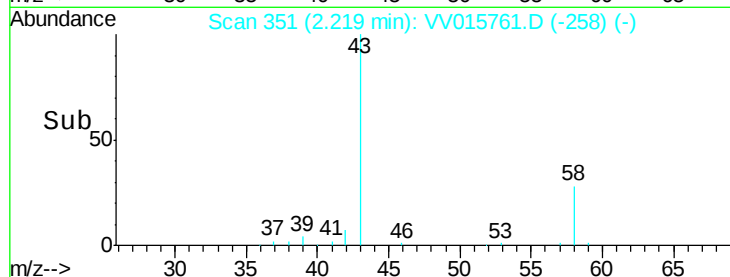


Abundance Ion 43.05 (42.75 to 43.75): VV015743.D (-333) (-)

Ion 58.05 (57.75 to 58.75): VV015743.D (-333) (-)

2.22

Time-->



#14

Carbon disulfide

Concen: 5.382 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.01 min

Lab File: VV015761.D

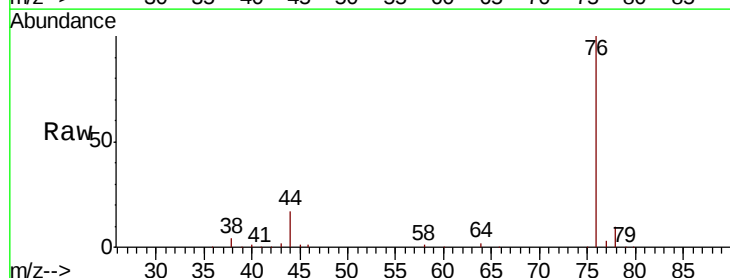
Acq: 28 Apr 2020 21:08

Tgt Ion: 76 Resp: 113057

Ion Ratio Lower Upper

76 100

78 9.6 7.4 11.0

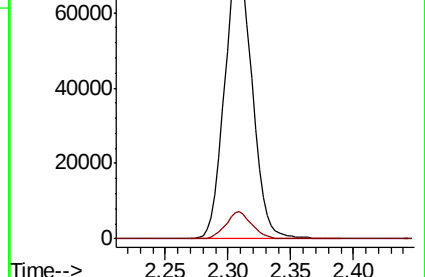
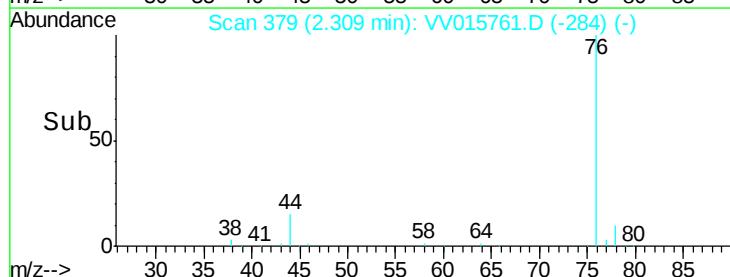


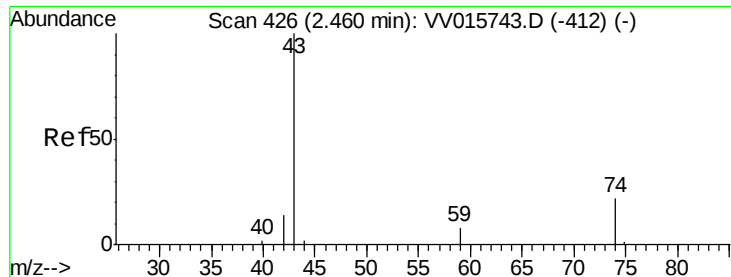
Abundance Ion 76.05 (75.75 to 76.75): VV015743.D (-365) (-)

Ion 78.00 (77.70 to 78.70): VV015743.D (-365) (-)

2.31

Time-->

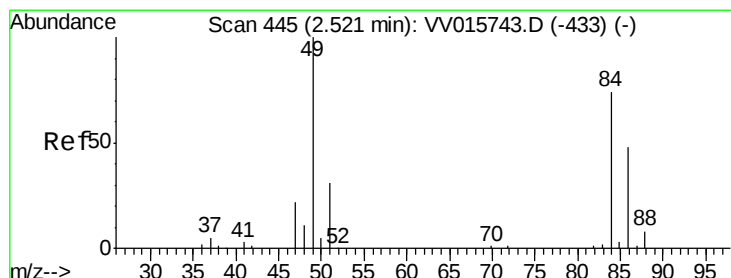
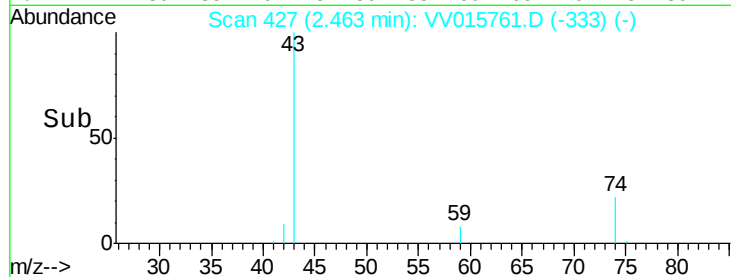
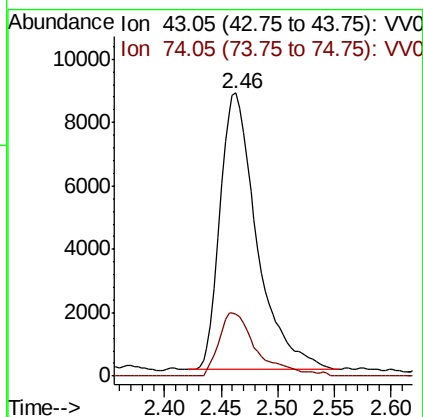
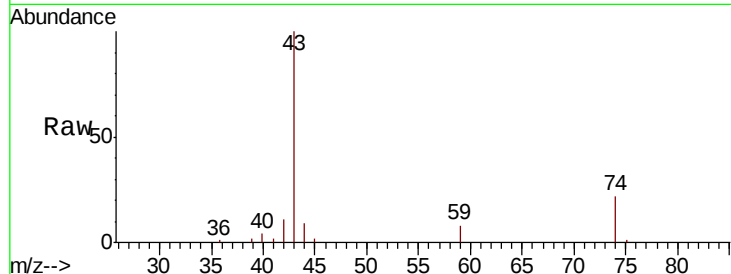




#15
Methvl Acetate
Concen: 5.602 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VV015761.D
Acq: 28 Apr 2020 21:08

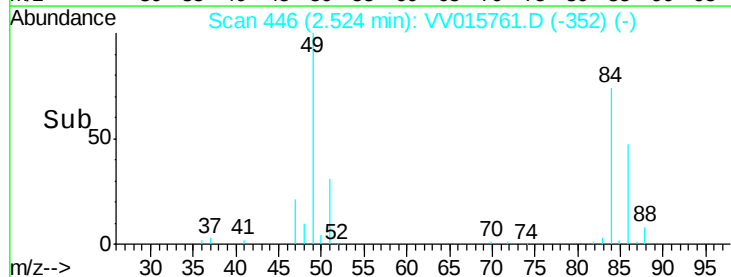
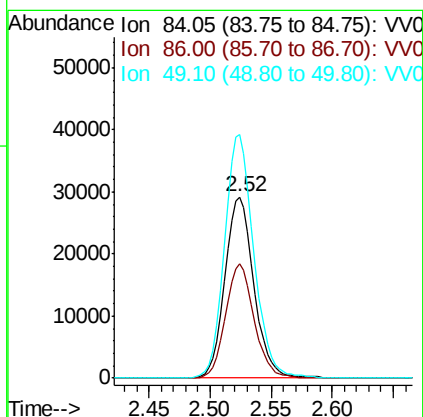
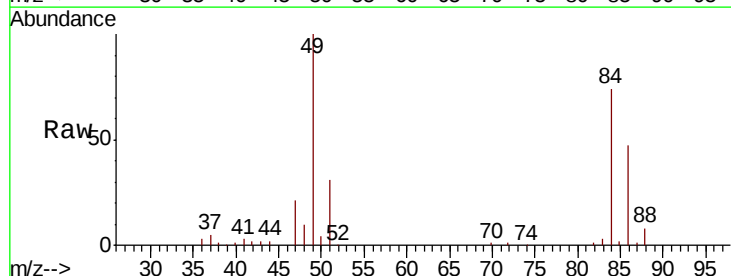
Instrument :
MSVOA_V
ClientSampleId :

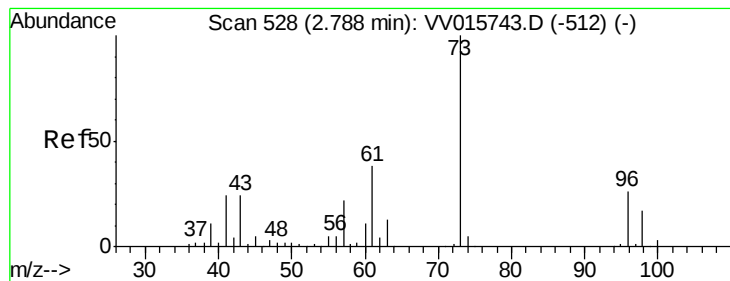
Tot Ion: 43 Resp: 19820
Ion Ratio Lower Upper
43 100
74 23.1 16.3 24.5



#16
Methylene chloride
Concen: 5.309 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV015761.D
Acq: 28 Apr 2020 21:08

Tgt Ion: 84 Resp: 48706
Ion Ratio Lower Upper
84 100
86 63.1 45.1 83.7
49 134.3 94.4 175.4



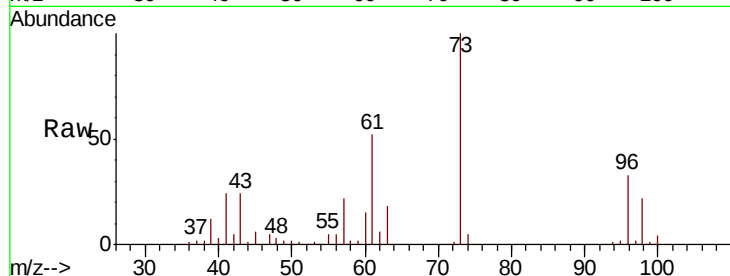


#17

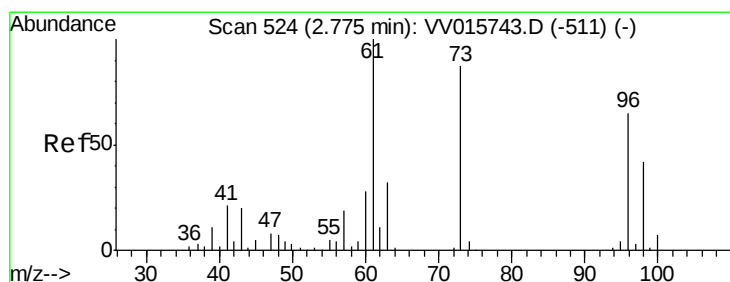
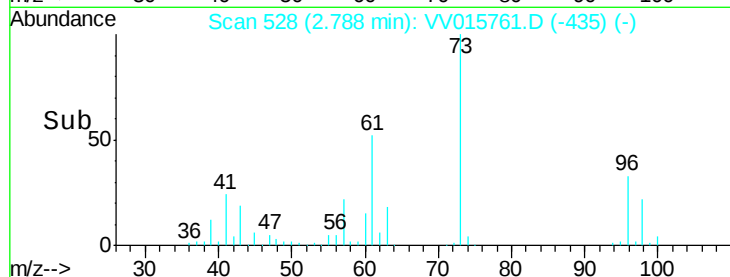
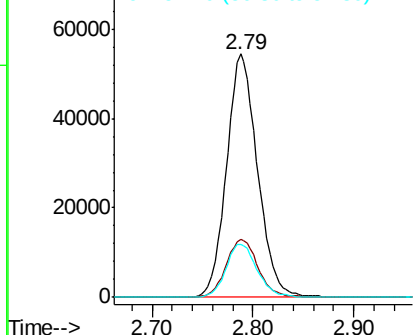
Methvl tert-butvl Ether
 Concen: 5.573 ug/L
 RT: 2.79 min Scan# 528
 Delta R.T. -0.00 min
 Lab File: VV015761.D
 Acq: 28 Apr 2020 21:08

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 73 Resp: 116259
 Ion Ratio Lower Upper
 73 100
 43 23.7 20.1 30.1
 57 22.1 17.8 26.8



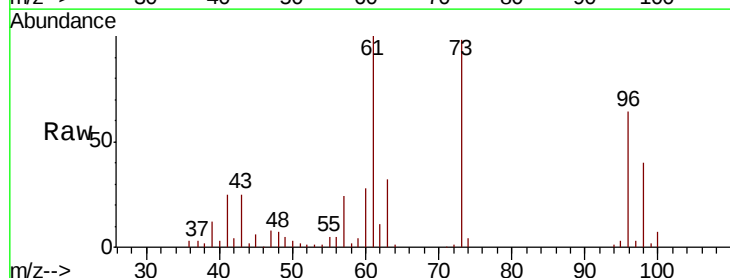
Abundance Ion 73.10 (72.80 to 73.80): VV0
 Ion 43.05 (42.75 to 43.75): VV0
 Ion 57.10 (56.80 to 57.80): VV0



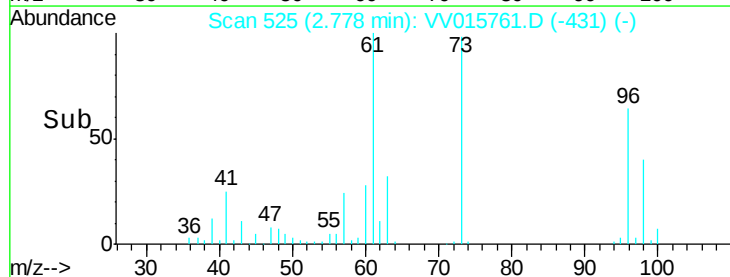
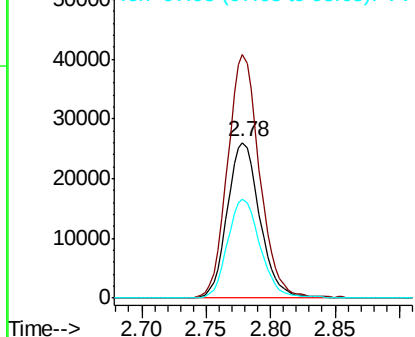
#18

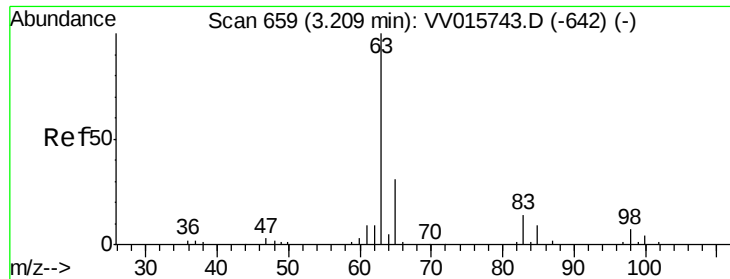
trans-1,2-Dichloroethene
 Concen: 5.493 ug/L
 RT: 2.78 min Scan# 525
 Delta R.T. 0.00 min
 Lab File: VV015761.D
 Acq: 28 Apr 2020 21:08

Tgt Ion: 96 Resp: 45707
 Ion Ratio Lower Upper
 96 100
 61 156.2 105.5 195.9
 98 63.2 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

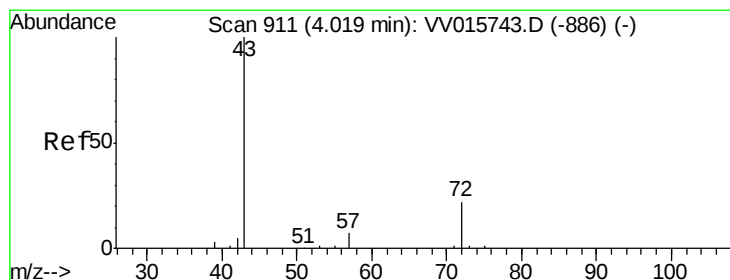
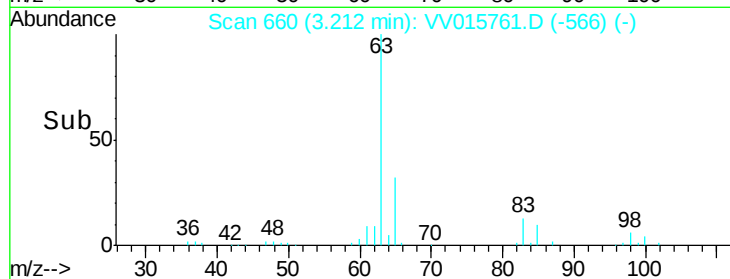
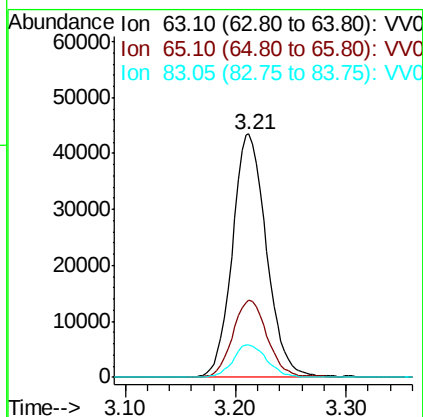
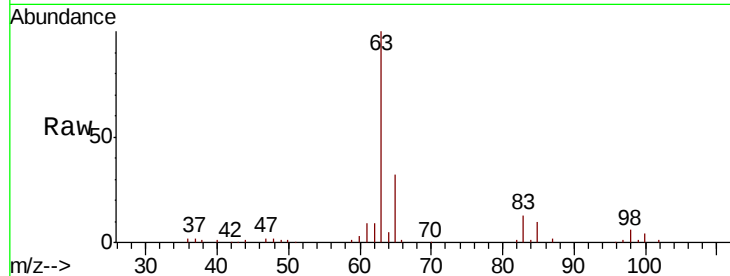




#19
 1,1-Dichloroethane
 Concen: 5.699 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV015761.D
 Acq: 28 Apr 2020 21:08

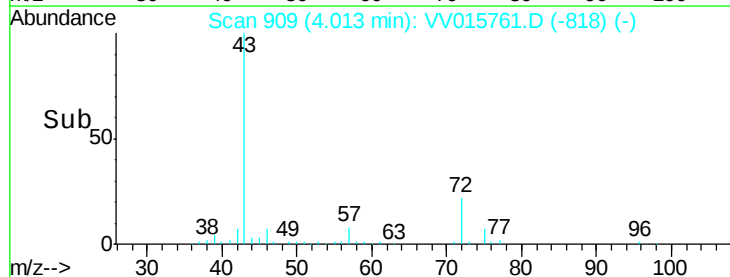
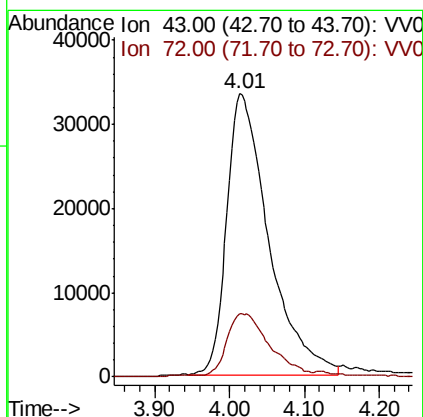
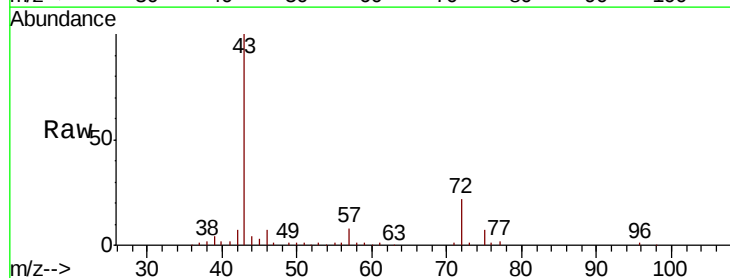
Instrument :
 MSVOA_V
 ClientSampled :

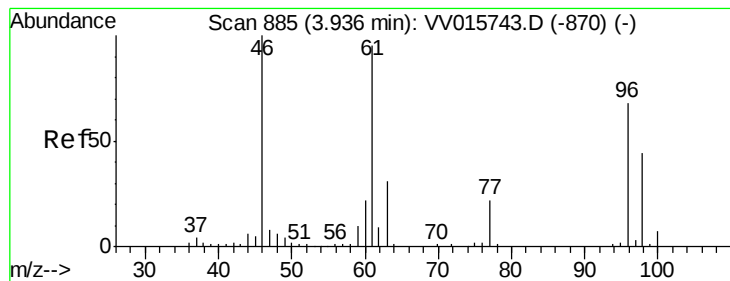
Tot Ion: 63 Resp: 93117
 Ion Ratio Lower Upper
 63 100
 65 31.8 22.3 41.3
 83 13.5 9.3 17.3



#21
 2-Butanone
 Concen: 56.620 ug/L
 RT: 4.01 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: VV015761.D
 Acq: 28 Apr 2020 21:08

Tgt Ion: 43 Resp: 129927
 Ion Ratio Lower Upper
 43 100
 72 22.6 12.3 36.9



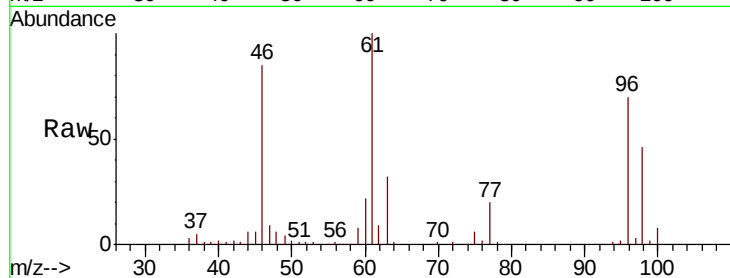


#22

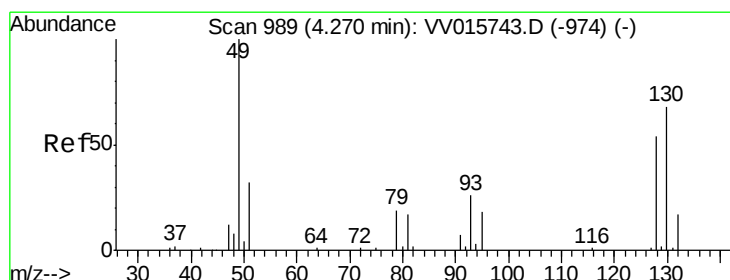
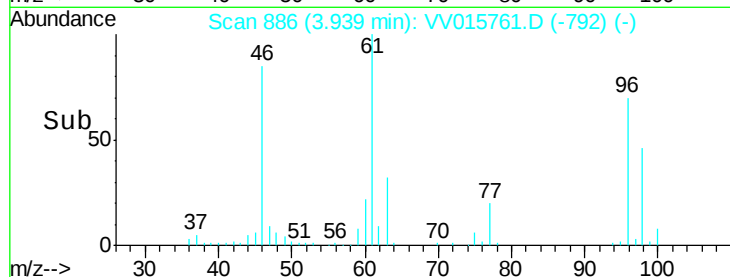
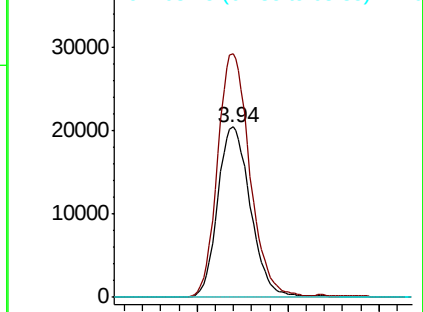
cis-1,2-Dichloroethene
Concen: 5.591 ug/L
RT: 3.94 min Scan# 886
Delta R.T. 0.00 min
Lab File: VV015761.D
Acq: 28 Apr 2020 21:08

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 51440
Ion Ratio Lower Upper
96 100
61 142.9 96.4 179.0
68 0.0 0.0 0.0



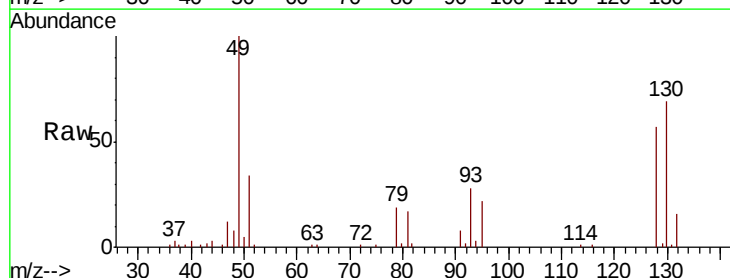
Abundance Ion 96.00 (95.70 to 96.70): VV015761.D (-792) (-)
Ion 61.05 (60.75 to 61.75): VV015761.D (-792) (-)
Ion 68.15 (67.85 to 68.85): VV015761.D (-792) (-)



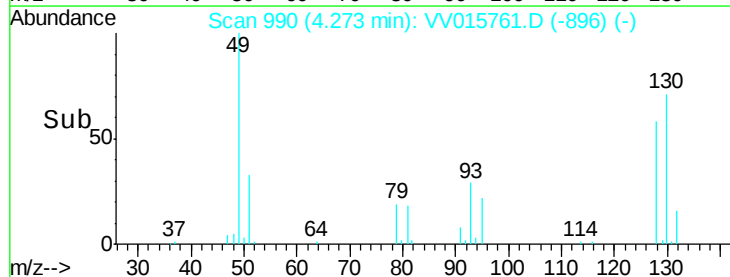
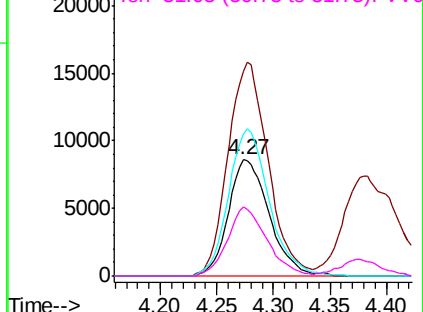
#23

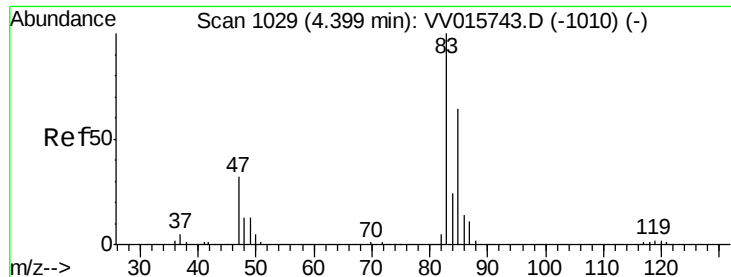
Bromochloromethane
Concen: 5.740 ug/L
RT: 4.27 min Scan# 990
Delta R.T. 0.00 min
Lab File: VV015761.D
Acq: 28 Apr 2020 21:08

Tgt Ion: 128 Resp: 21571
Ion Ratio Lower Upper
128 100
49 176.2 130.8 242.8
130 122.5 91.1 169.3
51 59.1 45.2 67.8



Abundance Ion 127.90 (127.60 to 128.60): VV015761.D (-896) (-)
Ion 49.10 (48.80 to 49.80): VV015761.D (-896) (-)
Ion 129.95 (129.65 to 130.65): VV015761.D (-896) (-)
Ion 51.05 (50.75 to 51.75): VV015761.D (-896) (-)

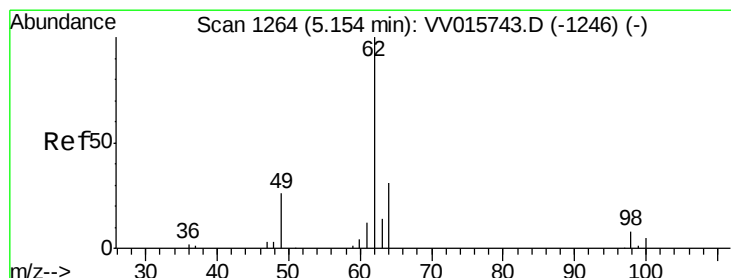
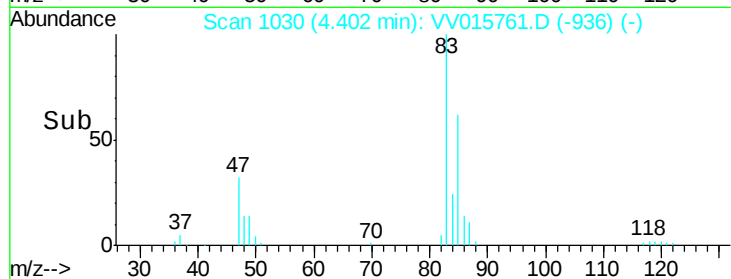
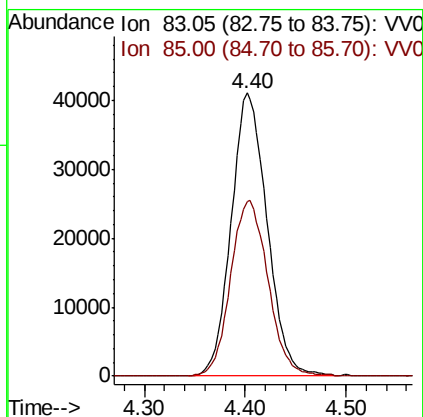
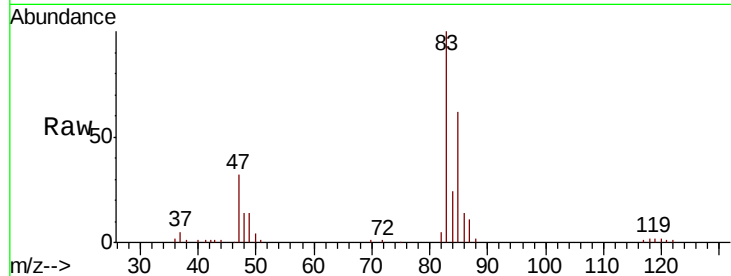




#25
Chloroform
Concen: 5.868 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV015761.D
Acq: 28 Apr 2020 21:08

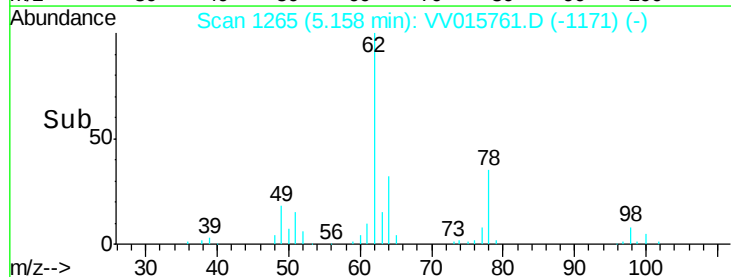
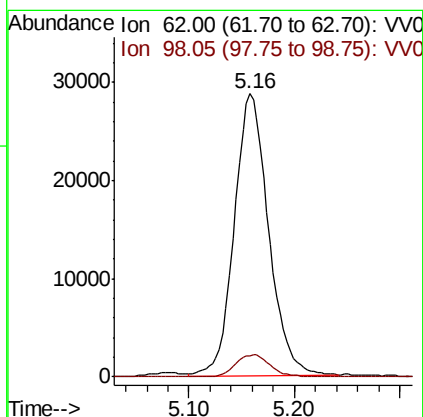
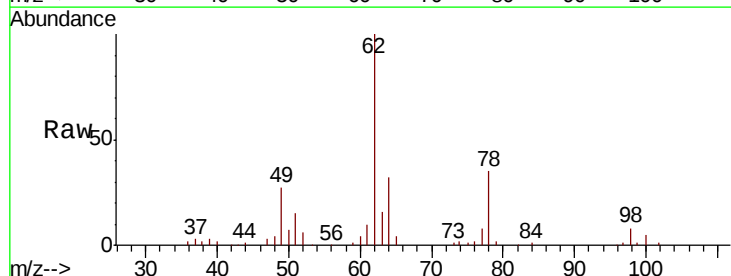
Instrument :
MSVOA_V
ClientSampleId :

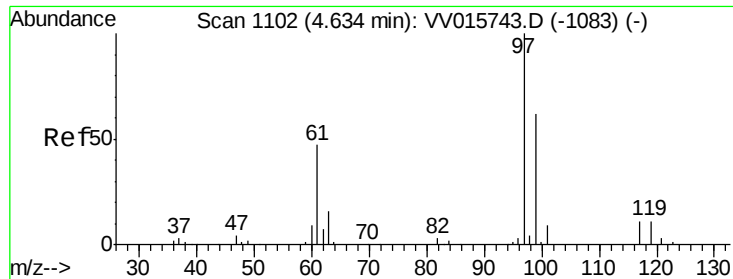
Tot Ion: 83 Resp: 101787
Ion Ratio Lower Upper
83 100
85 61.8 46.1 85.5



#27
1,2-Dichloroethane
Concen: 5.690 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV015761.D
Acq: 28 Apr 2020 21:08

Tgt Ion: 62 Resp: 64835
Ion Ratio Lower Upper
62 100
98 7.5 6.3 9.5

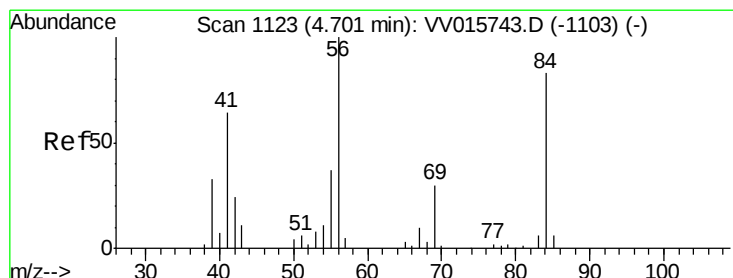
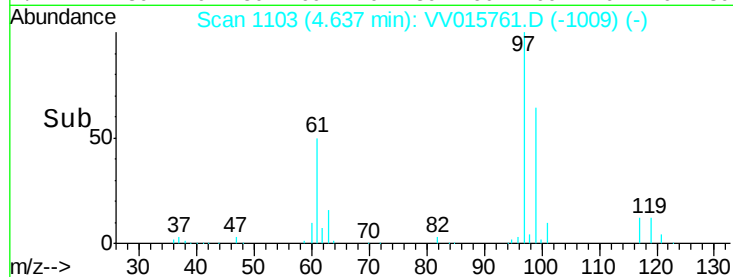
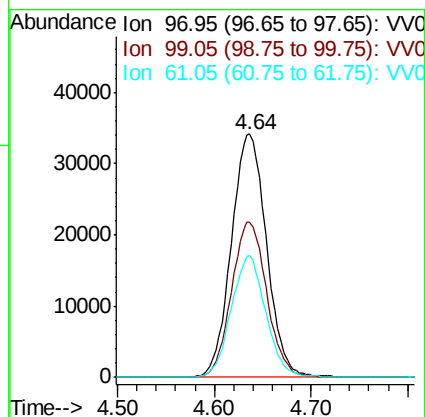
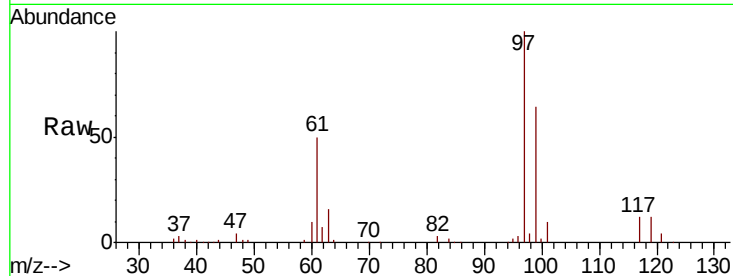




#29
 1,1,1-Trichloroethane
 Concen: 5.490 ug/L
 RT: 4.64 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VV015761.D
 Acq: 28 Apr 2020 21:08

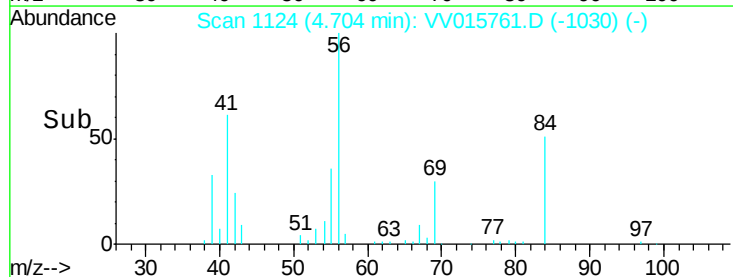
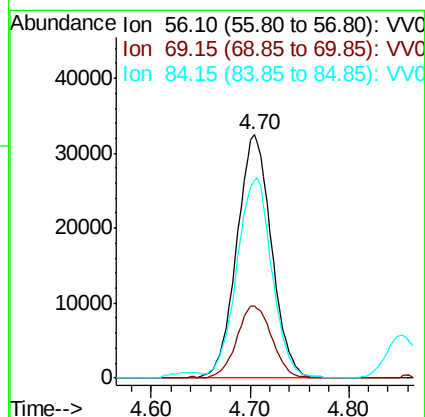
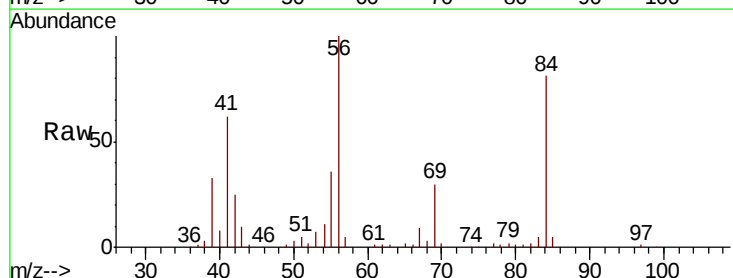
Instrument :
 MSVOA_V
 ClientSampleId :

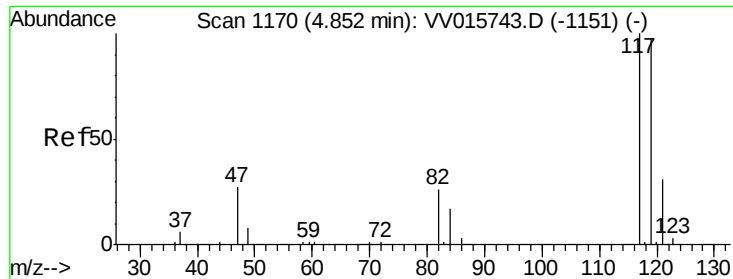
Tot Ion: 97 Resp: 86286
 Ion Ratio Lower Upper
 97 100
 99 64.1 51.6 77.4
 61 49.5 38.6 57.8



#30
 Cyclohexane
 Concen: 5.278 ug/L
 RT: 4.70 min Scan# 1124
 Delta R.T. 0.00 min
 Lab File: VV015761.D
 Acq: 28 Apr 2020 21:08

Tgt Ion: 56 Resp: 79253
 Ion Ratio Lower Upper
 56 100
 69 30.0 23.9 35.9
 84 83.4 66.9 100.3





#31

Carbon tetrachloride

Concen: 5.531 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV015761.D

Acq: 28 Apr 2020 21:08

Instrument :

MSVOA_V

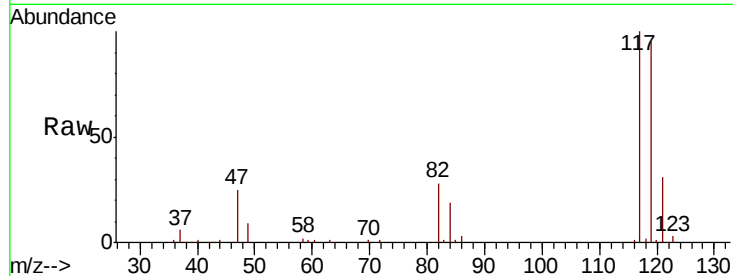
ClientSampleId :

Tot Ion:117 Resp: 71989

Ion Ratio Lower Upper

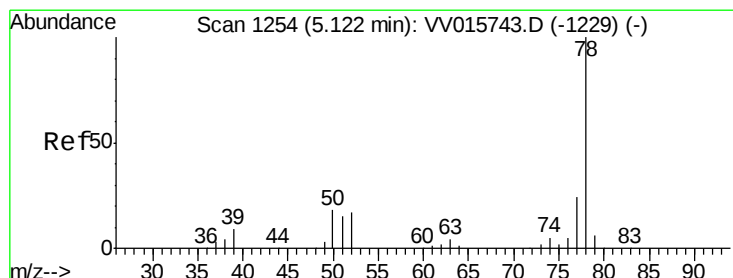
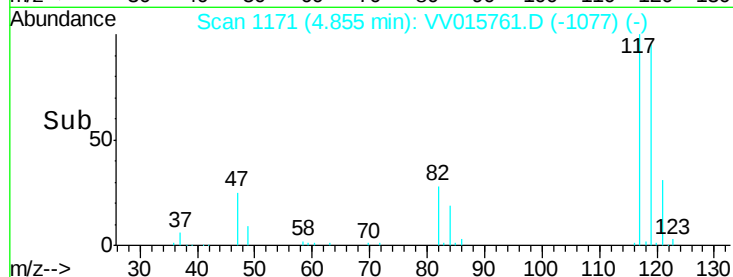
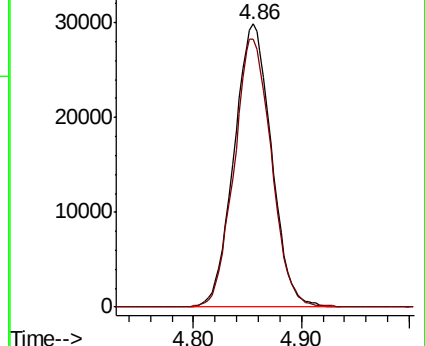
117 100

119 94.6 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: 5.494 ug/L

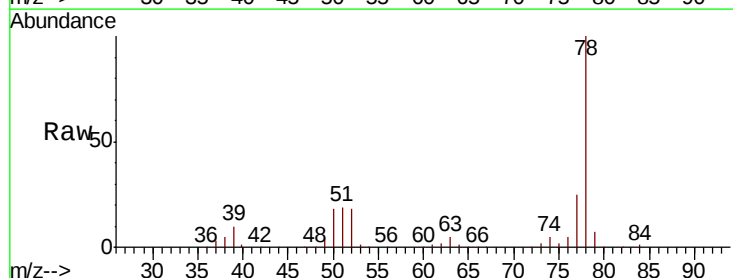
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

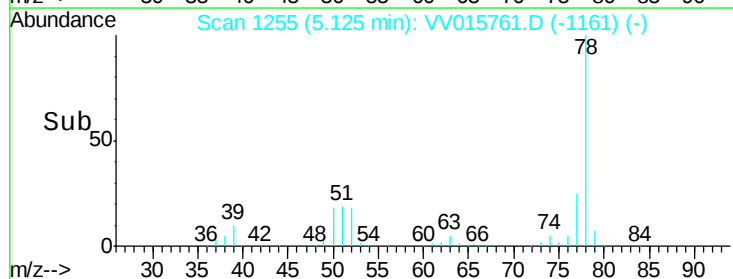
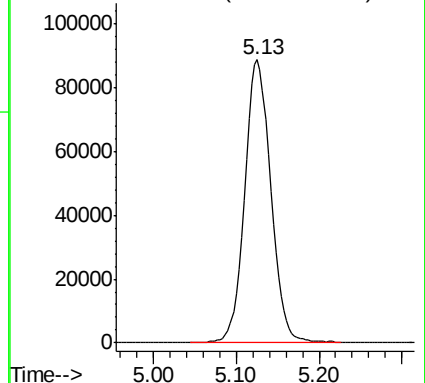
Lab File: VV015761.D

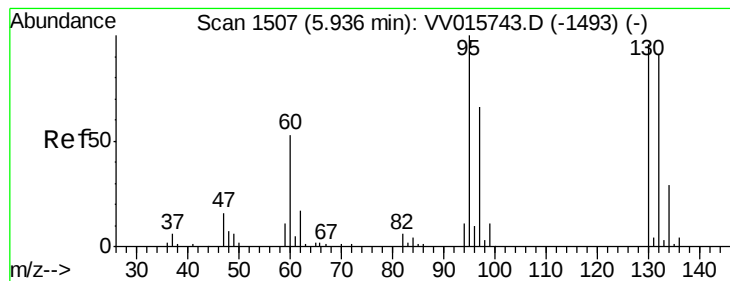
Acq: 28 Apr 2020 21:08

Tgt Ion: 78 Resp: 194536



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.521 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV015761.D

Acq: 28 Apr 2020 21:08

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 53986

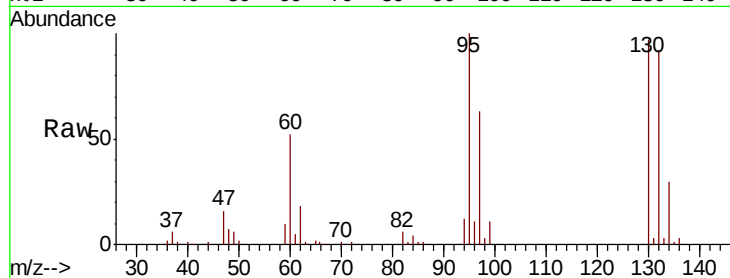
Ion Ratio Lower Upper

95 100

97 63.1 44.7 82.9

132 92.0 65.2 121.0

130 97.3 65.0 120.6



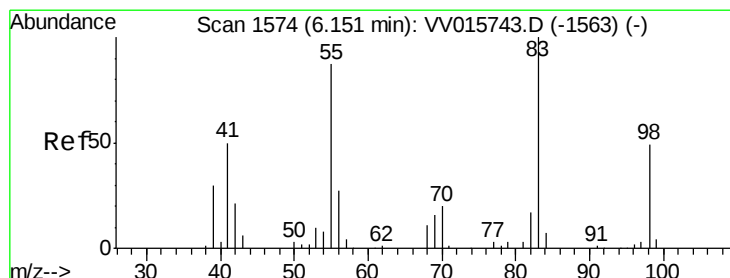
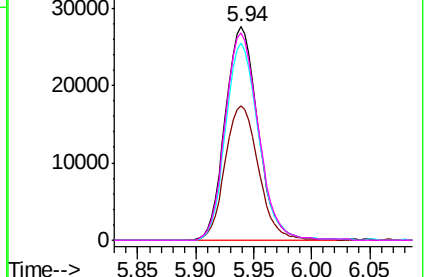
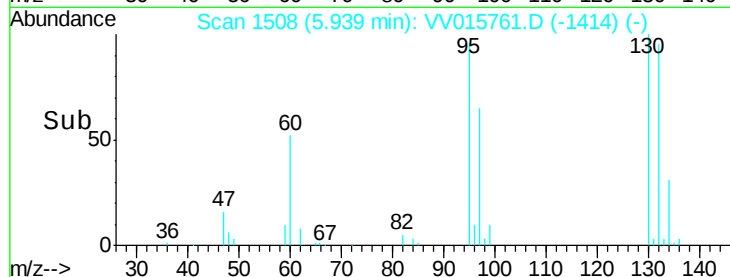
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

Time-->



#35

Methylcyclohexane

Concen: 5.192 ug/L

RT: 6.16 min Scan# 1576

Delta R.T. 0.01 min

Lab File: VV015761.D

Acq: 28 Apr 2020 21:08

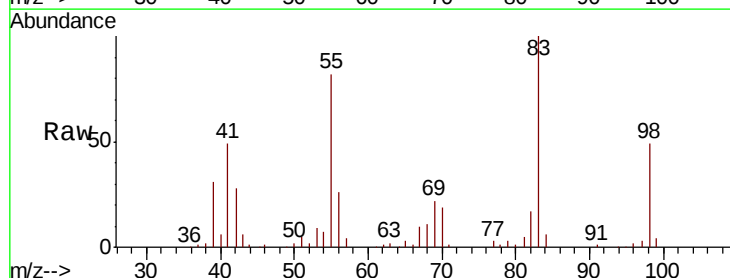
Tgt Ion: 83 Resp: 77927

Ion Ratio Lower Upper

83 100

55 82.3 66.6 99.8

98 48.8 39.5 59.3

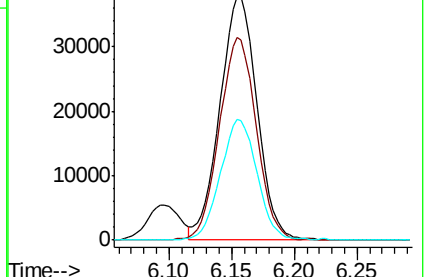
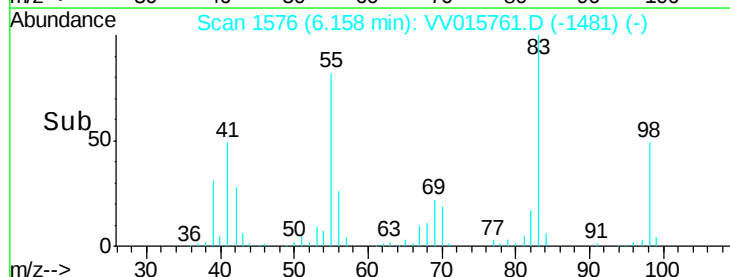


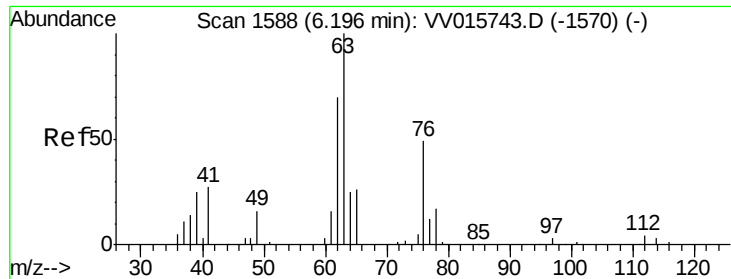
Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

Time-->

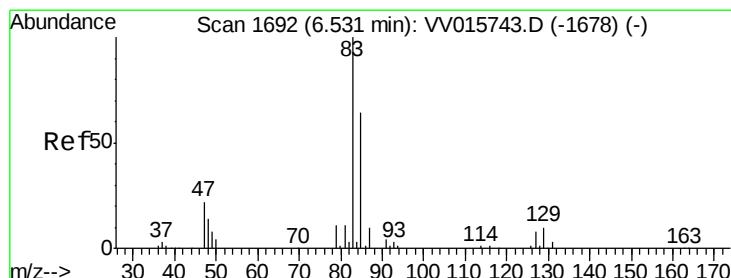
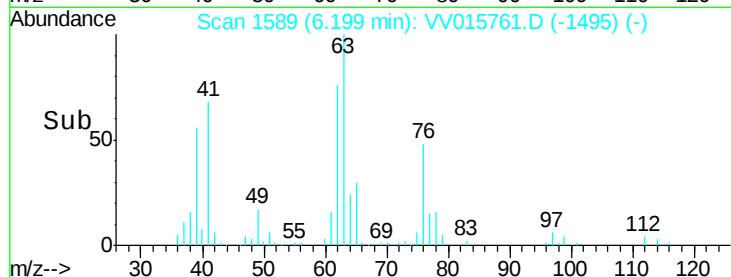
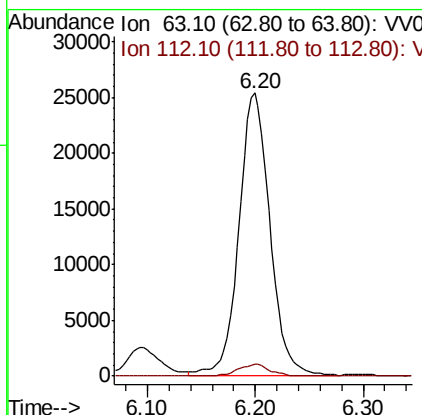
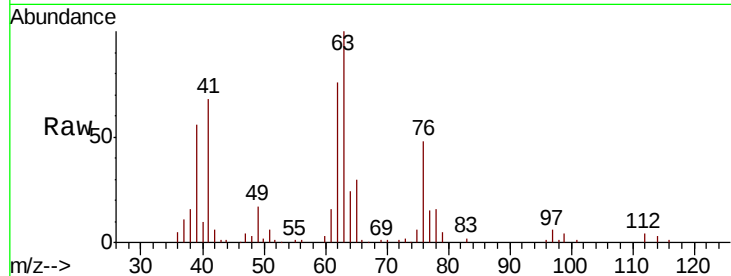




#37
 1,2-Dichloropropane
 Concen: 5.674 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV015761.D
 Acq: 28 Apr 2020 21:08

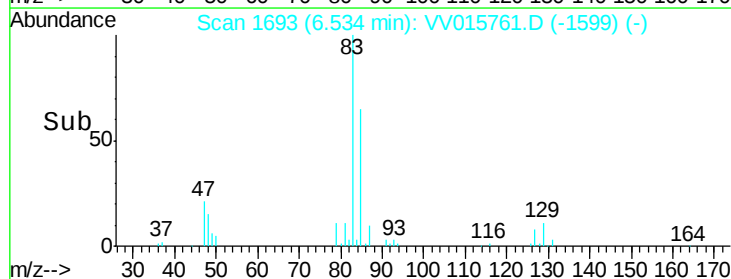
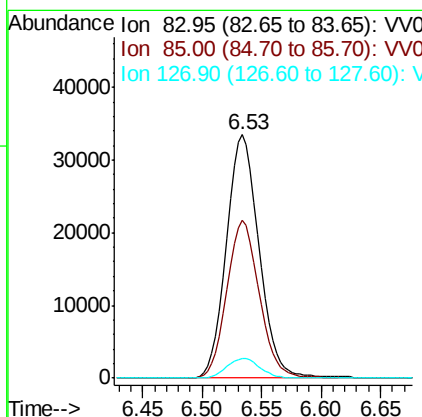
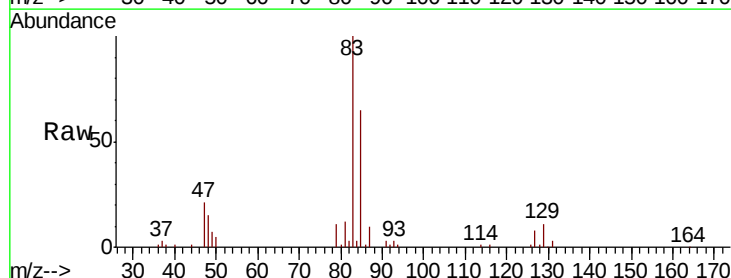
Instrument :
 MSVOA_V
 ClientSampled :

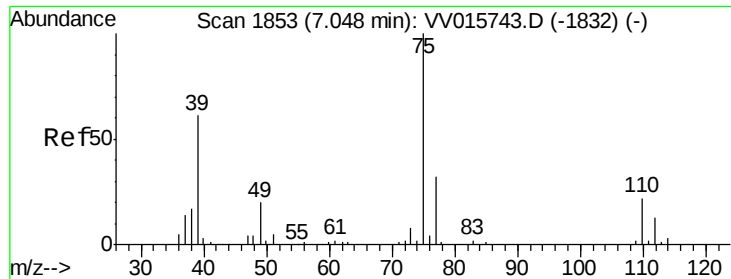
Tot Ion: 63 Resp: 51070
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.6 5.4



#38
 Bromodichloromethane
 Concen: 5.584 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV015761.D
 Acq: 28 Apr 2020 21:08

Tgt Ion: 83 Resp: 63816
 Ion Ratio Lower Upper
 83 100
 85 64.9 44.7 83.1
 127 8.2 5.8 8.6

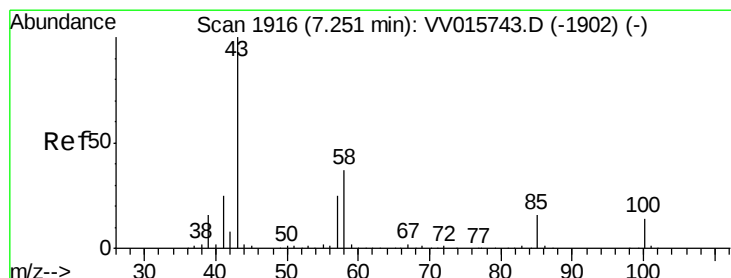
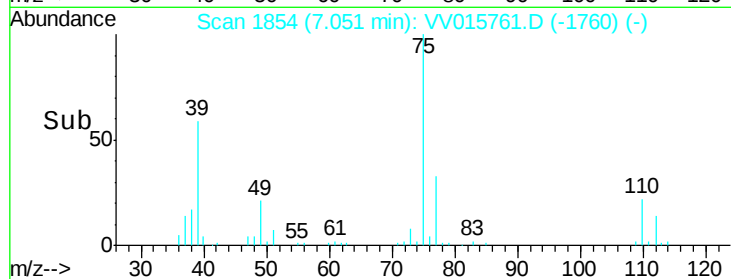
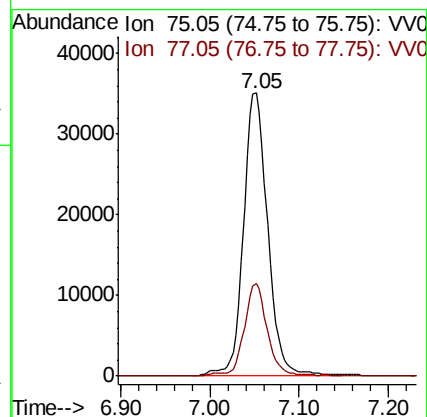
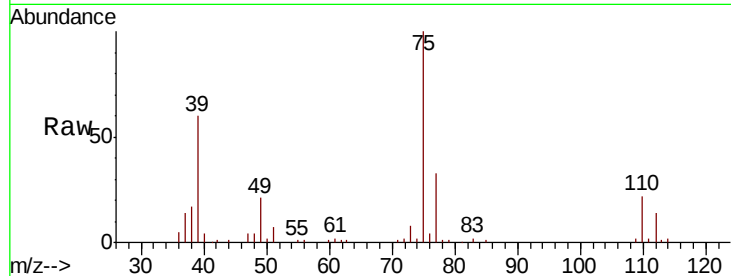




#39
 cis-1,3-Dichloropropene
 Concen: 5.302 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VV015761.D
 Acq: 28 Apr 2020 21:08

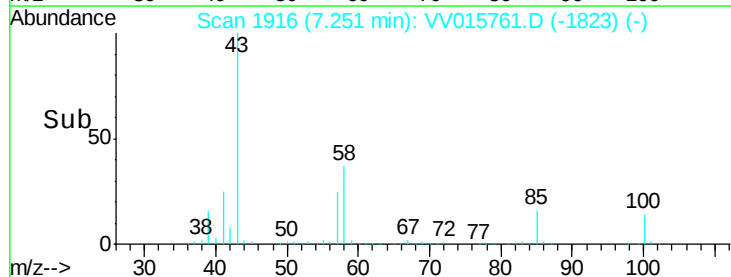
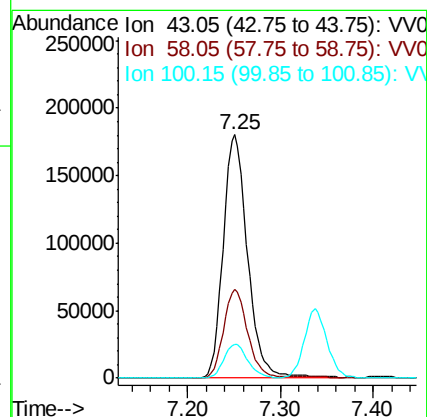
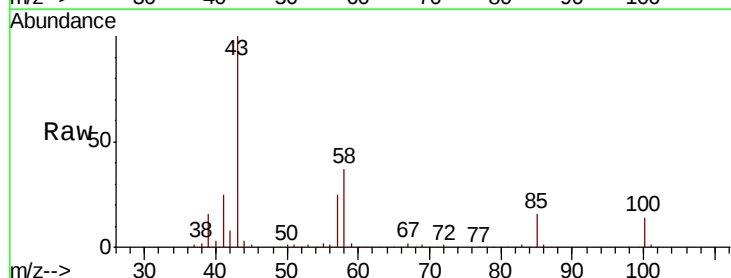
Instrument :
 MSVOA_V
 ClientSampled :

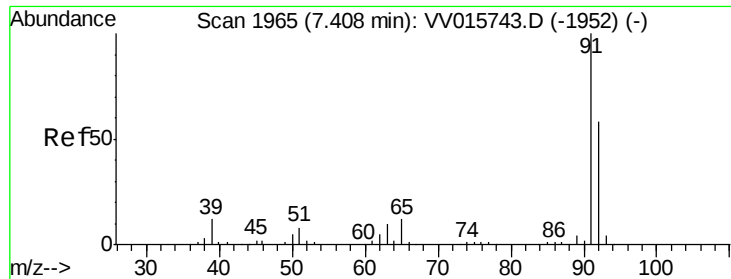
Tot Ion: 75 Resp: 66517
 Ion Ratio Lower Upper
 75 100
 77 32.8 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 56.411 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VV015761.D
 Acq: 28 Apr 2020 21:08

Tgt Ion: 43 Resp: 329513
 Ion Ratio Lower Upper
 43 100
 58 35.8 29.2 43.8
 100 13.7 11.4 17.2





#42

Toluene

Concen: 5.483 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV015761.D

Acq: 28 Apr 2020 21:08

Instrument :

MSVOA_V

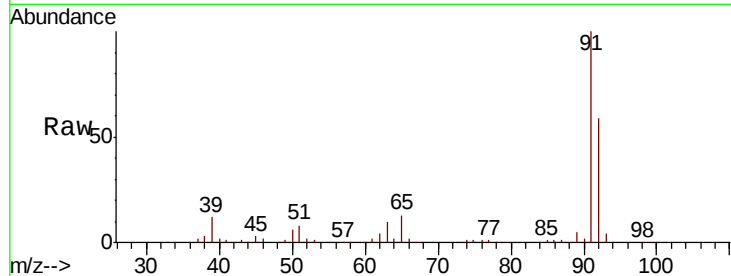
ClientSampleId :

Tot Ion: 91 Resp: 207436

Ion Ratio Lower Upper

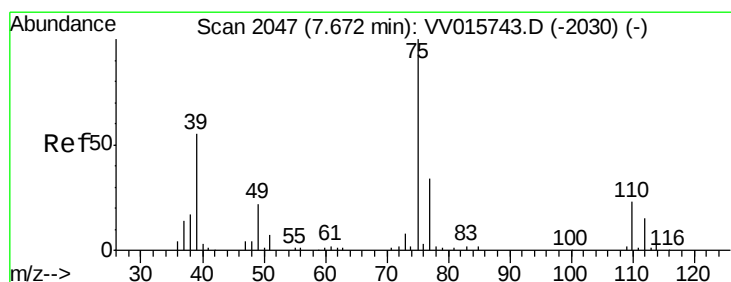
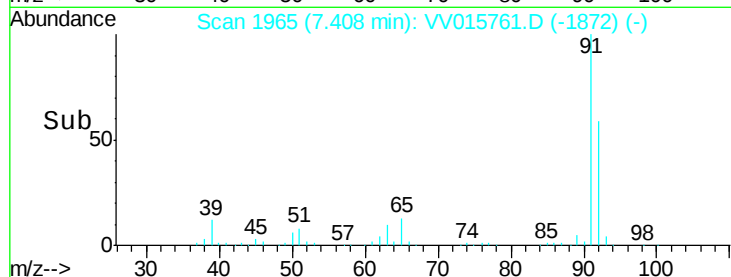
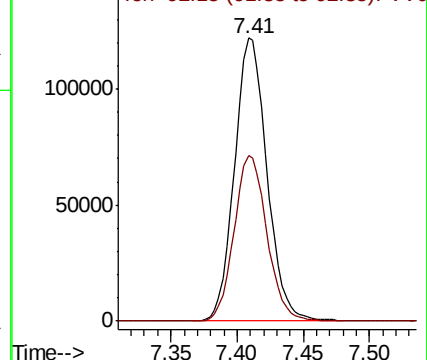
91 100

92 58.6 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: 5.351 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. -0.00 min

Lab File: VV015761.D

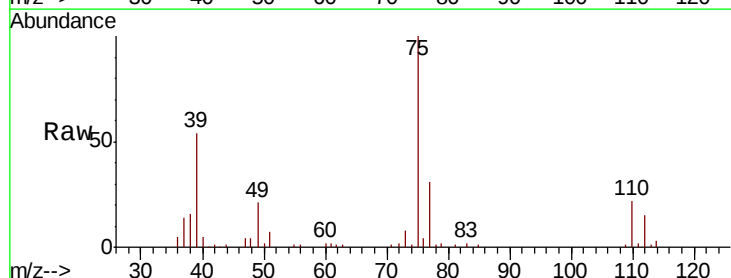
Acq: 28 Apr 2020 21:08

Tgt Ion: 75 Resp: 56413

Ion Ratio Lower Upper

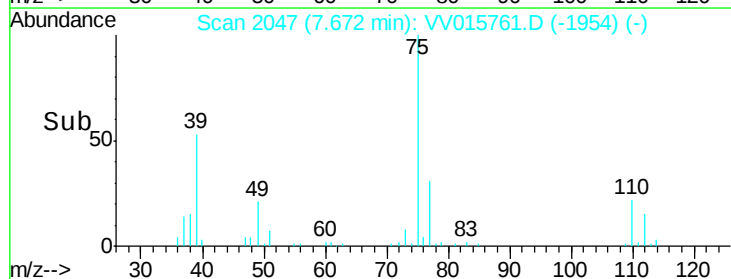
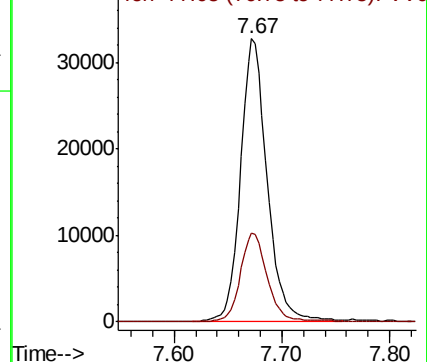
75 100

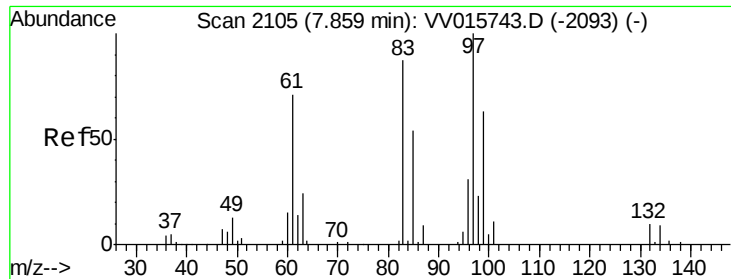
77 31.4 21.8 40.6



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

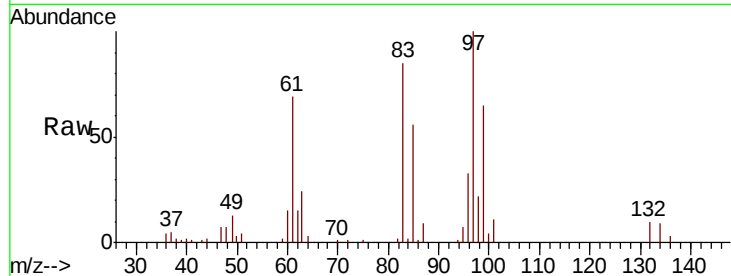




#45
 1,1,2-Trichloroethane
 Concen: 5.730 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV015761.D
 Acq: 28 Apr 2020 21:08

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	35148
Ion	Ratio	Lower	Upper
97	100		
99	65.2	45.4	84.4
83	85.2	61.3	113.9
85	56.0	38.4	71.4



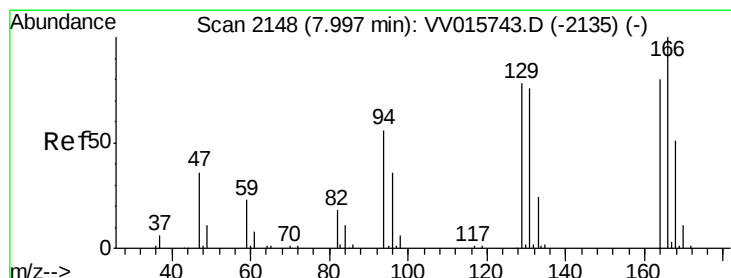
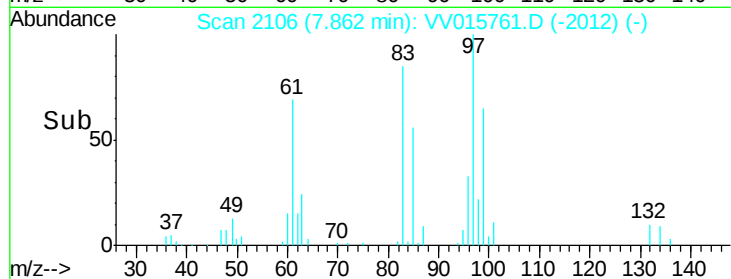
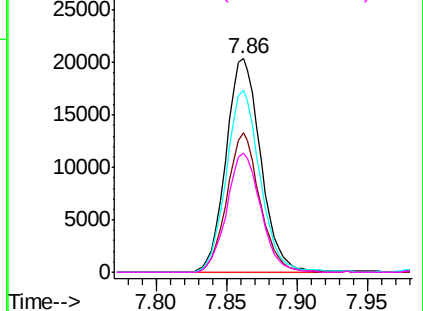
Abundance

Ion 96.95 (96.65 to 97.65): VV015761.D (-2012) (-)

Ion 99.05 (98.75 to 99.75): VV015761.D (-2012) (-)

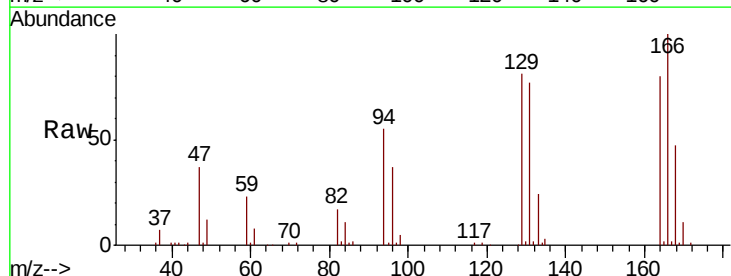
Ion 82.95 (82.65 to 83.65): VV015761.D (-2012) (-)

Ion 85.00 (84.70 to 85.70): VV015761.D (-2012) (-)



#47
 Tetrachloroethene
 Concen: 5.322 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV015761.D
 Acq: 28 Apr 2020 21:08

Tgt Ion:	164	Resp:	37470
Ion	Ratio	Lower	Upper
164	100		
129	100.8	66.7	123.9
131	96.6	66.6	123.6
166	124.7	85.3	158.5



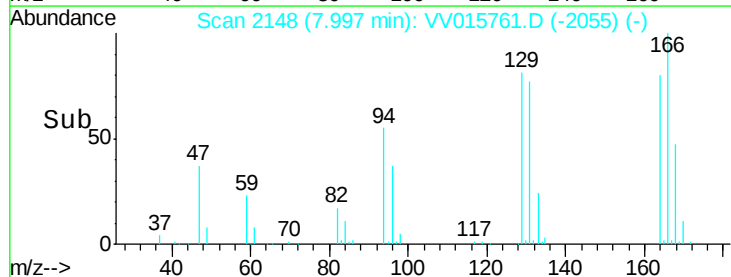
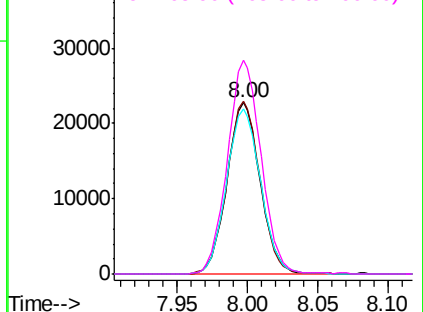
Abundance

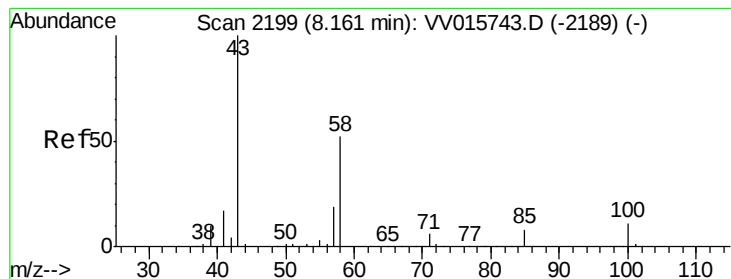
Ion 163.90 (163.60 to 164.60): VV015761.D (-2055) (-)

Ion 128.95 (128.65 to 129.65): VV015761.D (-2055) (-)

Ion 130.95 (130.65 to 131.65): VV015761.D (-2055) (-)

Ion 165.90 (165.60 to 166.60): VV015761.D (-2055) (-)





#48

2-Hexanone

Concen: 56.953 ug/L

RT: 8.16 min Scan# 2200

Delta R.T. 0.00 min

Lab File: VV015761.D

Acq: 28 Apr 2020 21:08

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 237239

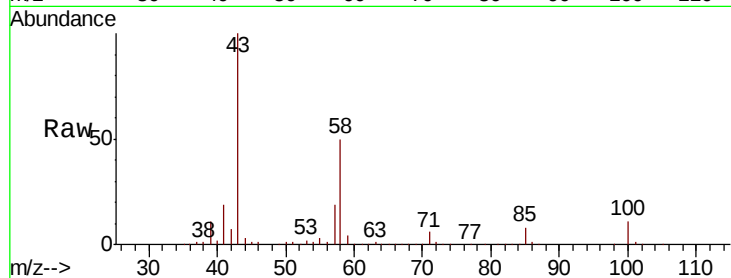
Ion Ratio Lower Upper

43 100

58 52.0 41.1 61.7

57 18.3 15.0 22.4

100 11.1 9.0 13.4

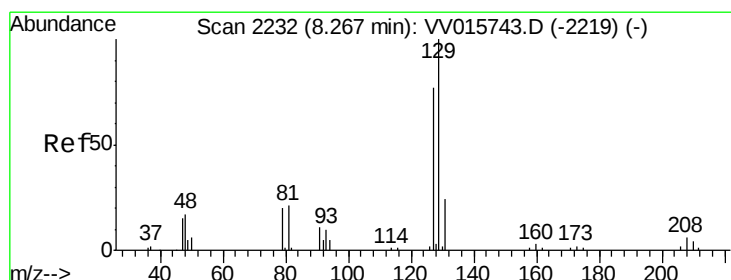
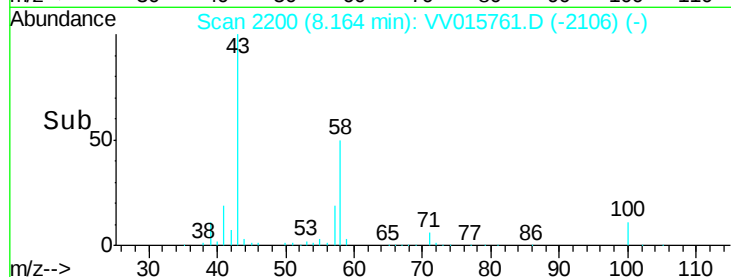
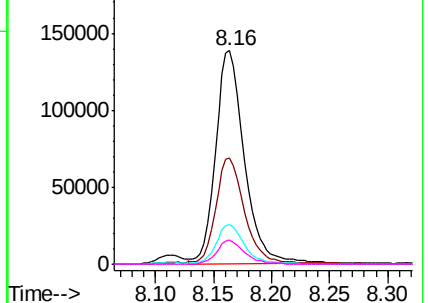


Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0



#49

Dibromochloromethane

Concen: 5.770 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. -0.00 min

Lab File: VV015761.D

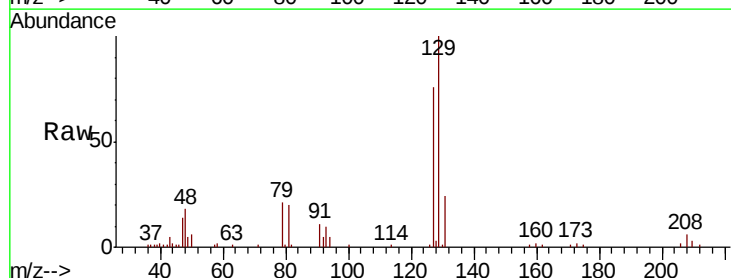
Acq: 28 Apr 2020 21:08

Tgt Ion: 129 Resp: 36632

Ion Ratio Lower Upper

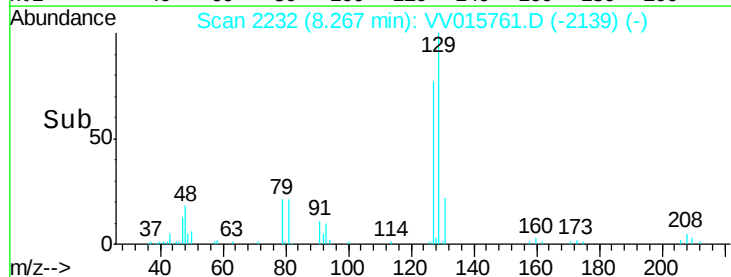
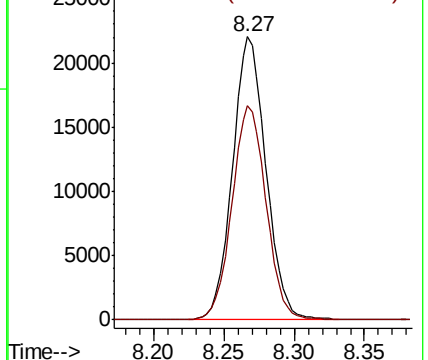
129 100

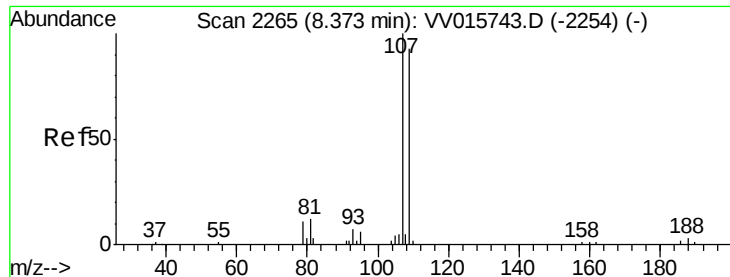
127 75.6 52.6 97.8



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

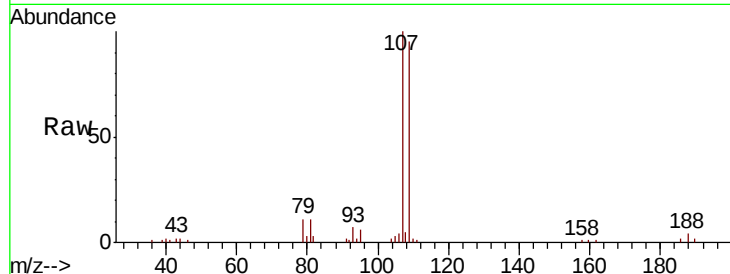




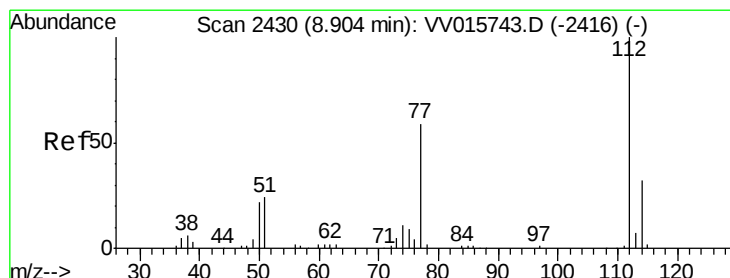
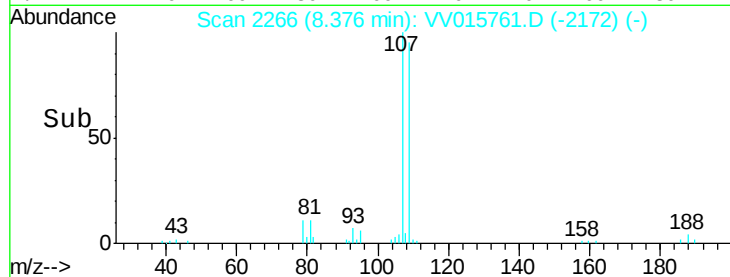
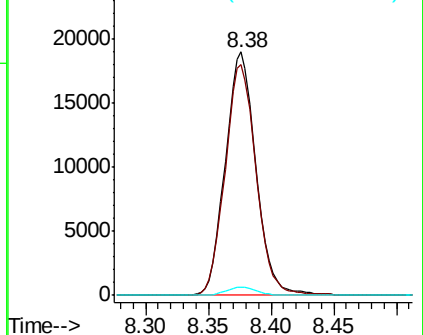
#50
1,2-Dibromoethane
Concen: 5.651 ug/L
RT: 8.38 min Scan# 2266
Delta R.T. 0.00 min
Lab File: VV015761.D
Acq: 28 Apr 2020 21:08

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.6	68.1	126.5
188	3.5	3.2	4.8

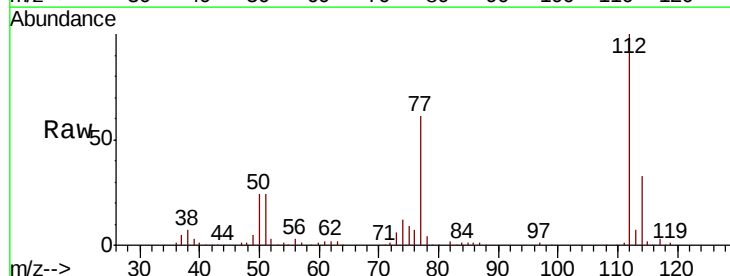


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

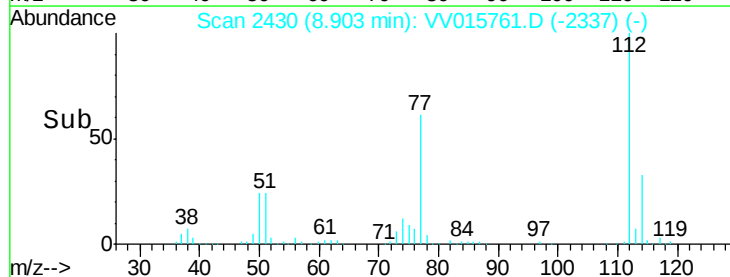
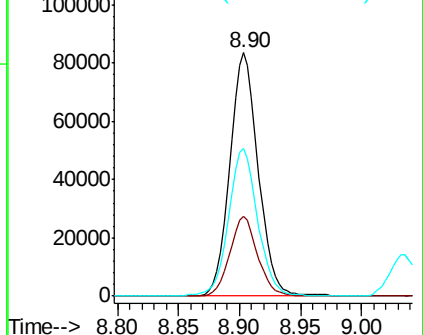


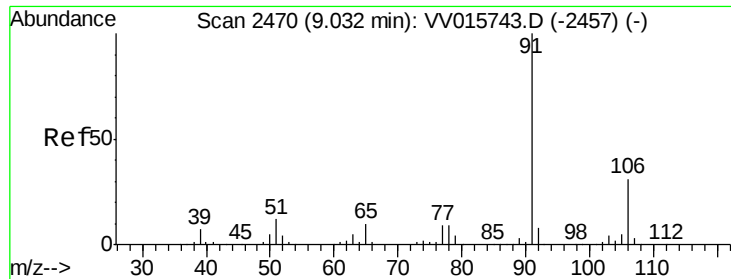
#51
Chlorobenzene
Concen: 5.461 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VV015761.D
Acq: 28 Apr 2020 21:08

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.9	21.6	40.2
77	60.7	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: 5.452 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV015761.D

Acq: 28 Apr 2020 21:08

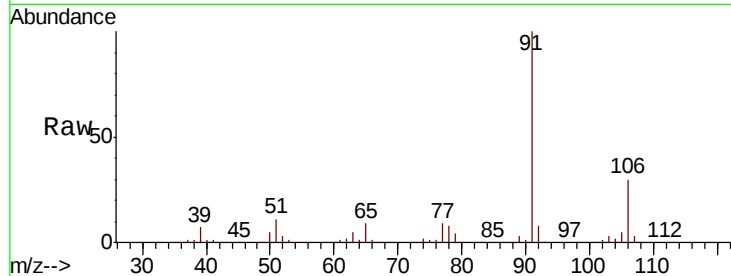
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 238704

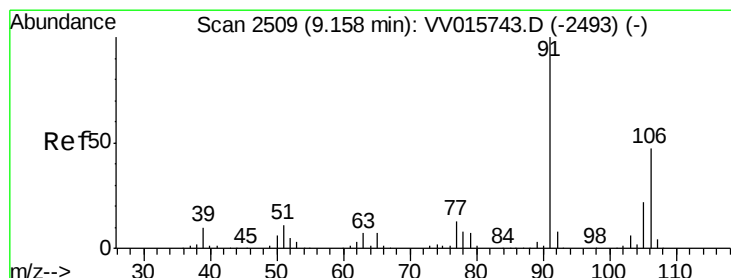
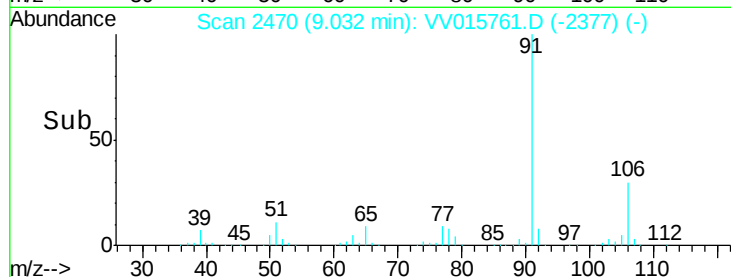
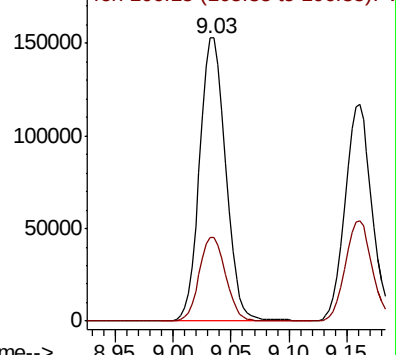
Ion Ratio Lower Upper

91 100

106 29.6 21.3 39.5



Abundance Ion 91.15 (90.85 to 91.85): VV015761.D (-2377) (-)



#53

m,p-xylene

Concen: 5.569 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV015761.D

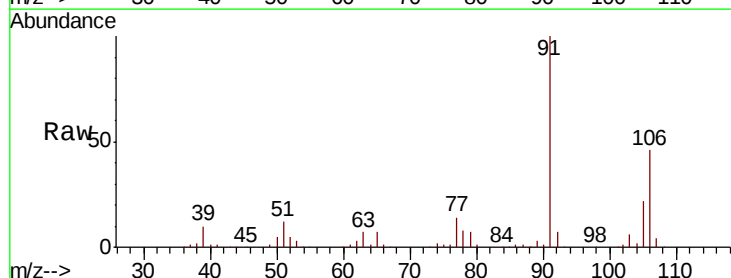
Acq: 28 Apr 2020 21:08

Tgt Ion: 106 Resp: 89313

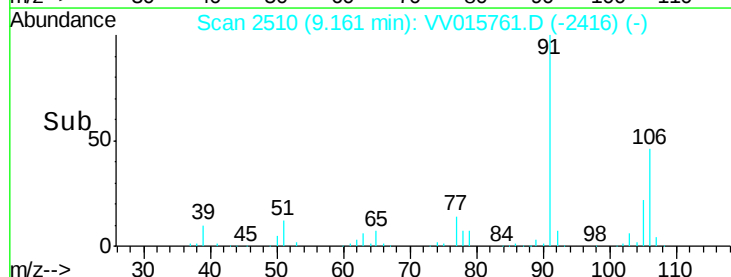
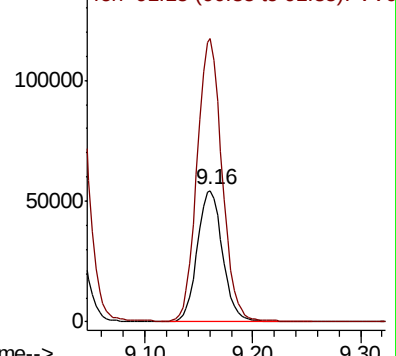
Ion Ratio Lower Upper

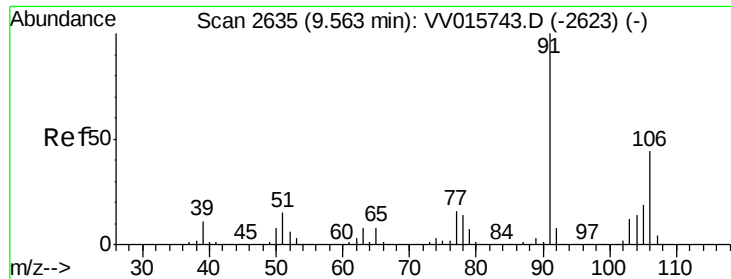
106 100

91 215.2 147.8 274.4



Abundance Ion 106.15 (105.85 to 106.85): VV015761.D (-2416) (-)





#54

o-xylene

Concen: 5.535 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV015761.D

Acq: 28 Apr 2020 21:08

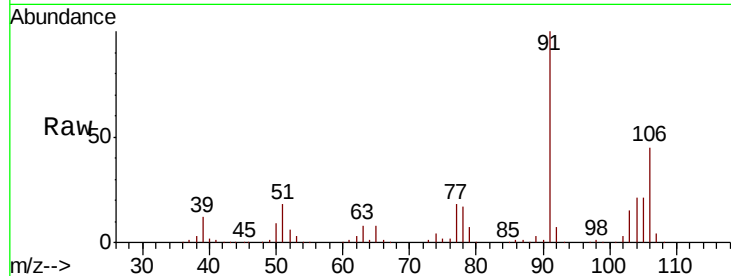
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 85900

Ion Ratio Lower Upper

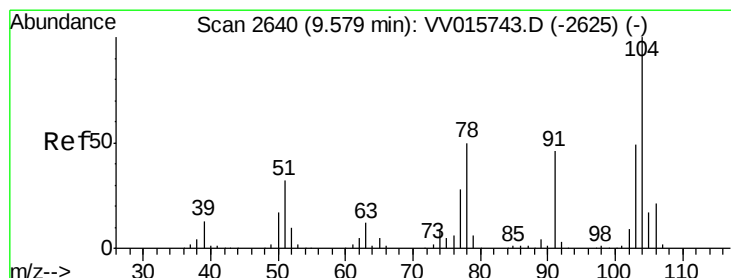
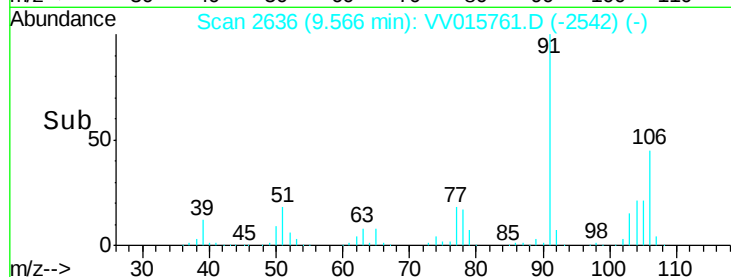
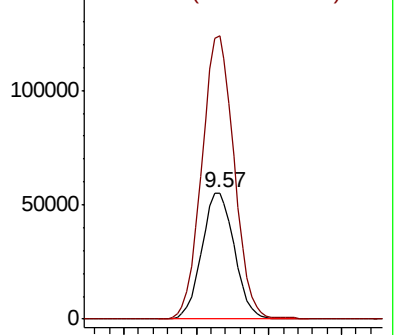
106 100

91 223.9 159.8 296.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.680 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV015761.D

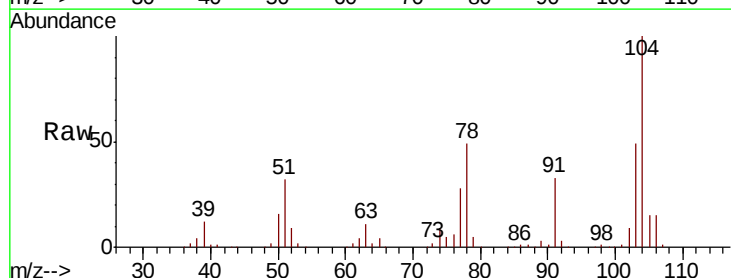
Acq: 28 Apr 2020 21:08

Tgt Ion:104 Resp: 149555

Ion Ratio Lower Upper

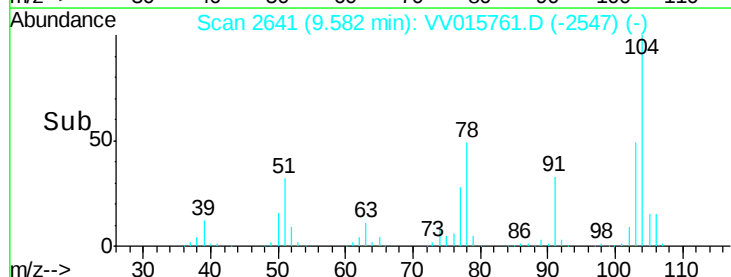
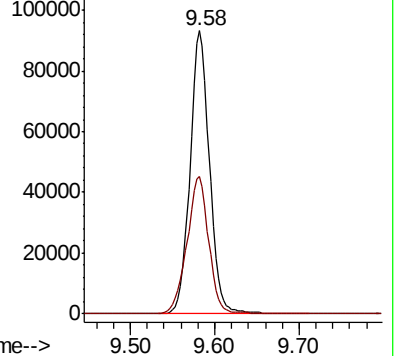
104 100

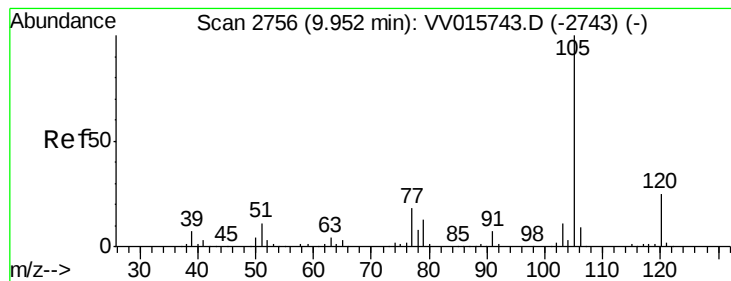
78 48.6 34.5 64.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.410 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV015761.D

Acq: 28 Apr 2020 21:08

Instrument :

MSVOA_V

ClientSampleId :

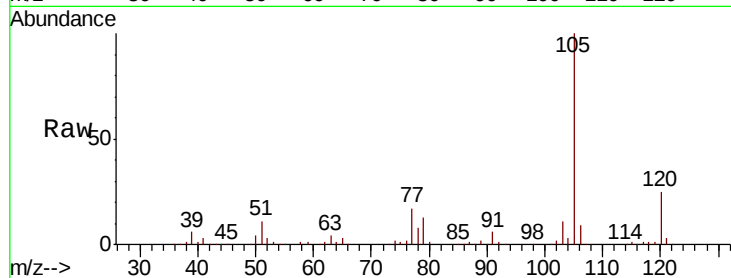
Tot Ion:105 Resp: 235518

Ion Ratio Lower Upper

105 100

120 25.5 20.7 31.1

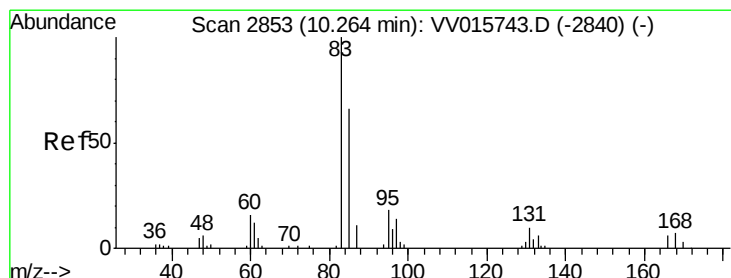
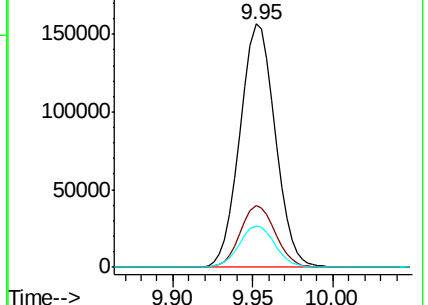
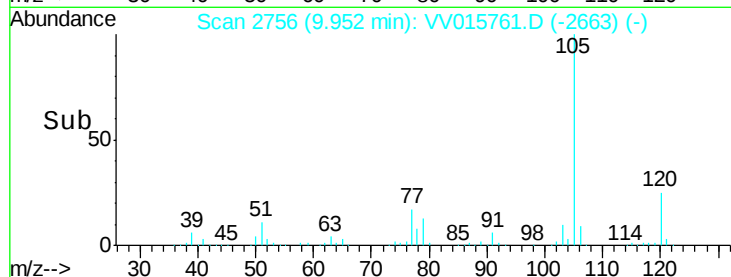
77 17.3 13.9 20.9



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: 5.651 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV015761.D

Acq: 28 Apr 2020 21:08

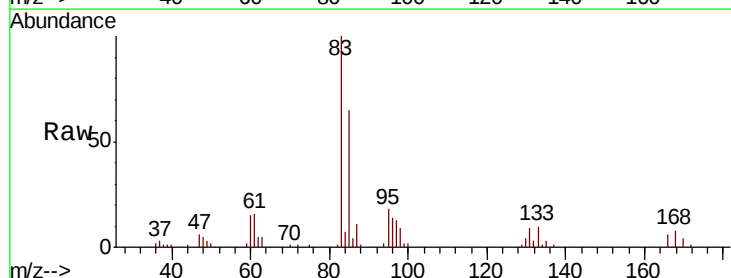
Tgt Ion: 83 Resp: 40483

Ion Ratio Lower Upper

83 100

85 64.9 46.3 85.9

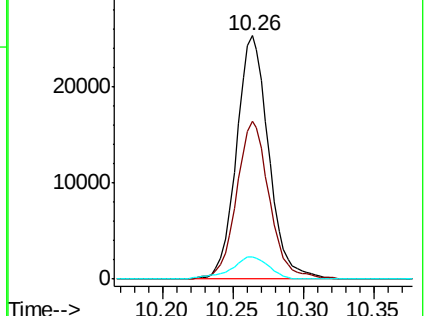
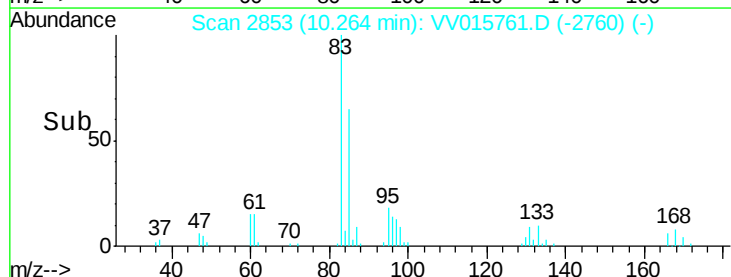
131 9.1 7.7 11.5

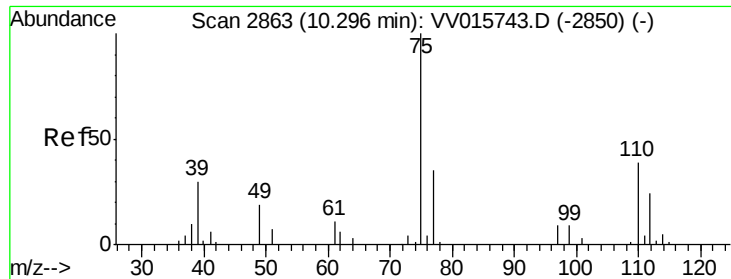


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.661 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VV015761.D

Acq: 28 Apr 2020 21:08

Instrument :

MSVOA_V

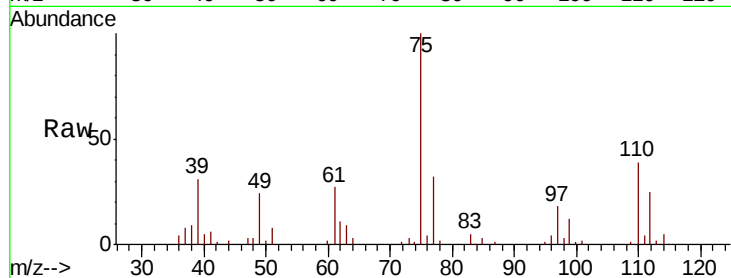
ClientSampleId :

Tot Ion: 75 Resp: 32529

Ion Ratio Lower Upper

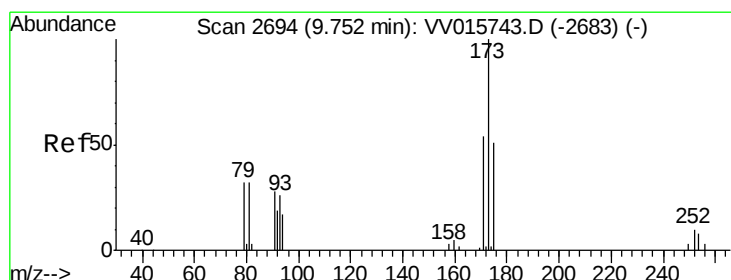
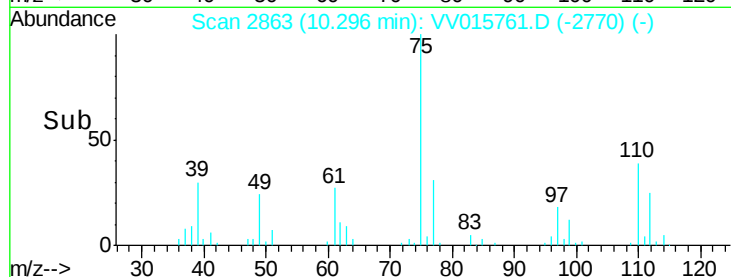
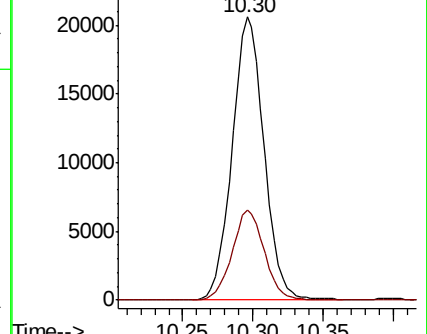
75 100

77 31.9 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VV015743.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV015743.D (-2850) (-)



#61

Bromoform

Concen: 5.859 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV015761.D

Acq: 28 Apr 2020 21:08

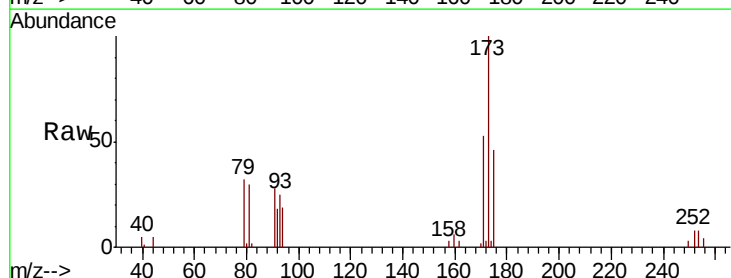
Tgt Ion:173 Resp: 15550

Ion Ratio Lower Upper

173 100

175 48.7 39.8 59.8

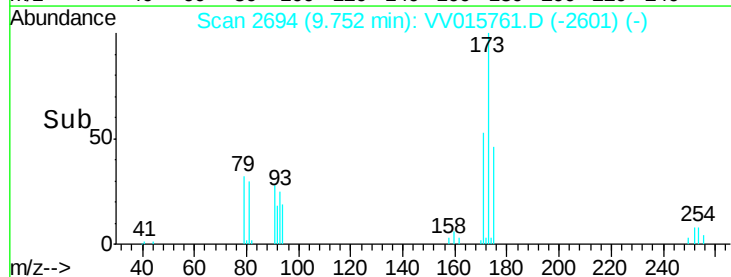
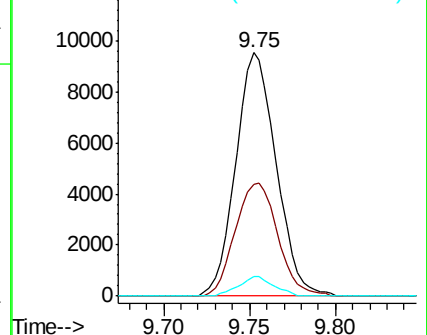
254 7.0 5.8 8.8

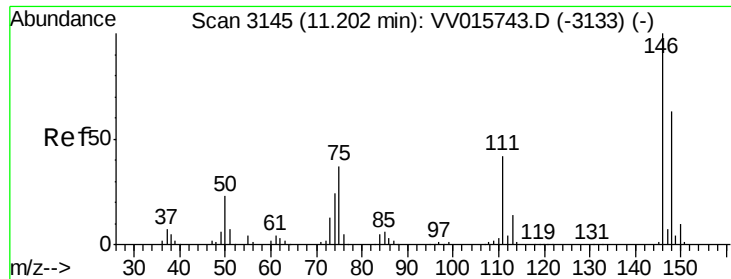


Abundance Ion 172.90 (172.60 to 173.60): VV015743.D (-2683) (-)

Ion 174.90 (174.60 to 175.60): VV015743.D (-2683) (-)

Ion 253.75 (253.45 to 254.45): VV015743.D (-2683) (-)





#62

1,3-Dichlorobenzene

Concen: 5.371 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV015761.D

Acq: 28 Apr 2020 21:08

Instrument :

MSVOA_V

ClientSampleId :

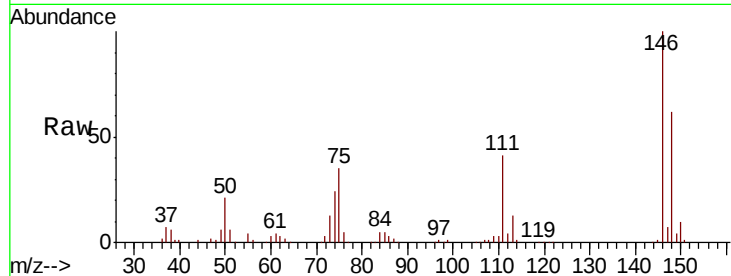
Tot Ion:146 Resp: 109283

Ion Ratio Lower Upper

146 100

111 41.3 30.0 55.6

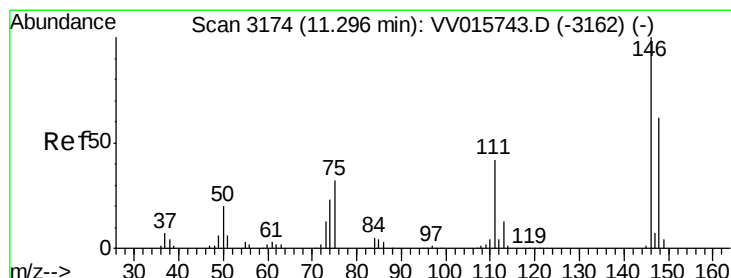
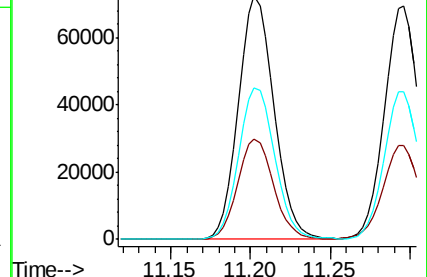
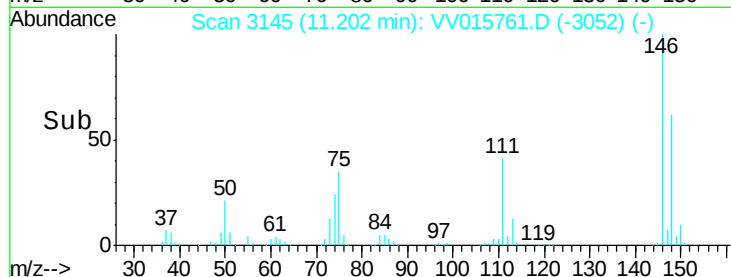
148 62.4 44.2 82.2



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: 5.262 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. -0.00 min

Lab File: VV015761.D

Acq: 28 Apr 2020 21:08

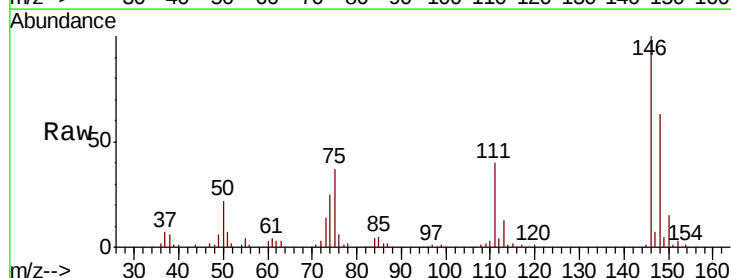
Tgt Ion:146 Resp: 107978

Ion Ratio Lower Upper

146 100

111 39.9 28.2 52.4

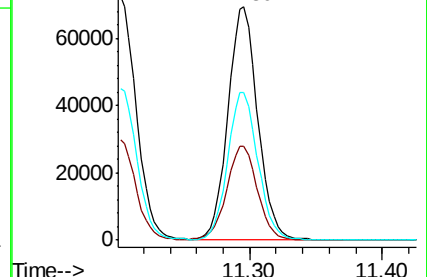
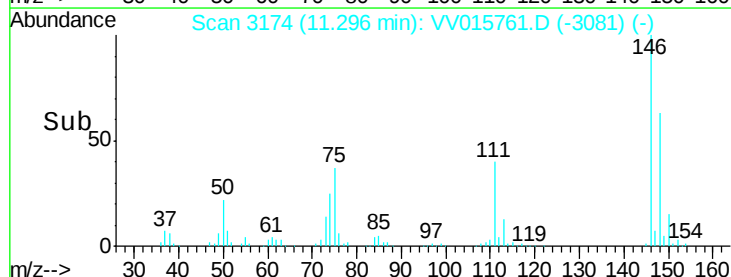
148 63.3 45.7 84.9

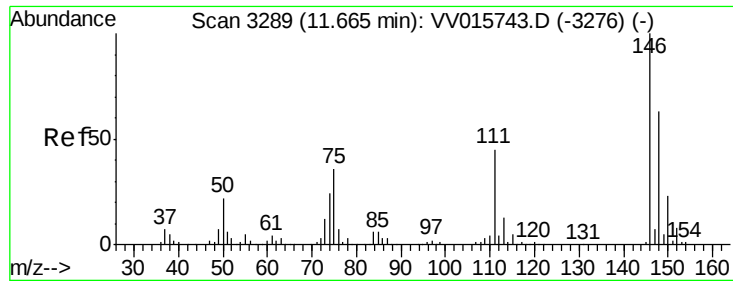


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.422 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV015761.D

Acq: 28 Apr 2020 21:08

Instrument :

MSVOA_V

ClientSampled :

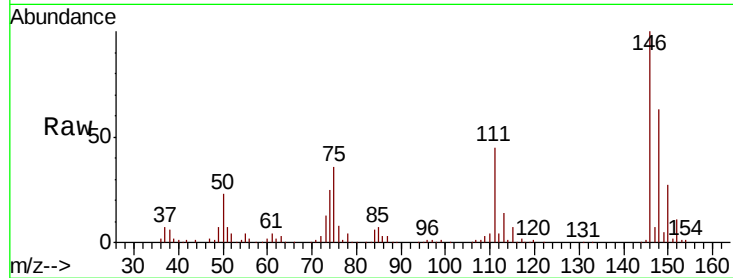
Tot Ion:146 Resp: 99782

Ion Ratio Lower Upper

146 100

111 44.9 34.7 52.1

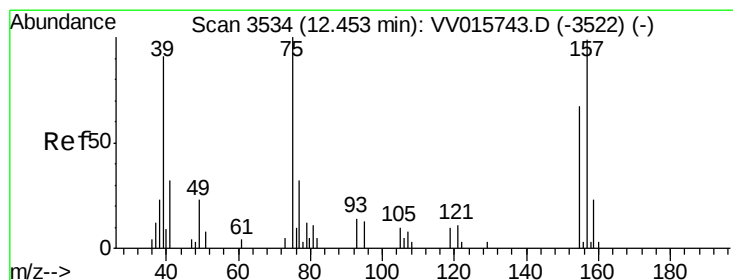
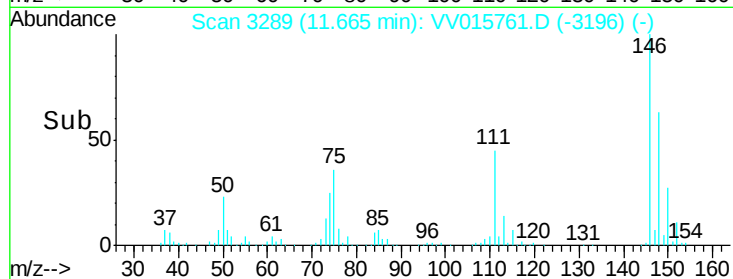
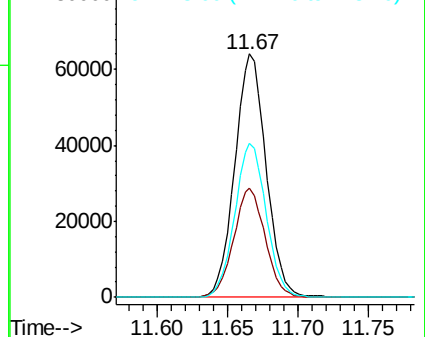
148 63.2 51.3 76.9



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: 5.697 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV015761.D

Acq: 28 Apr 2020 21:08

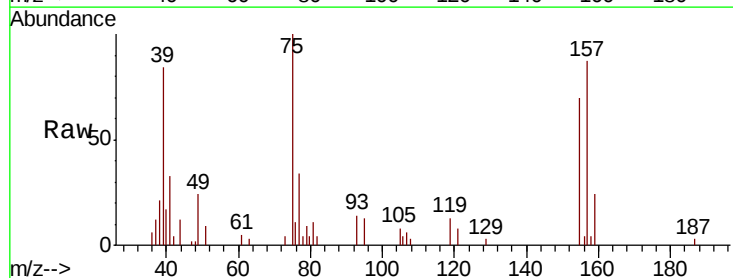
Tgt Ion: 75 Resp: 6831

Ion Ratio Lower Upper

75 100

155 70.0 51.0 76.4

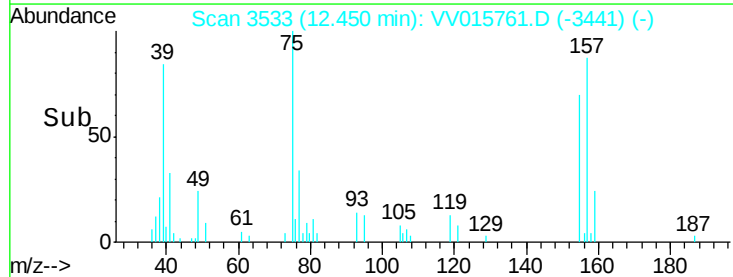
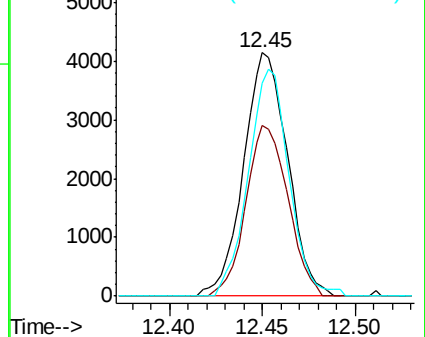
157 87.4 70.6 106.0

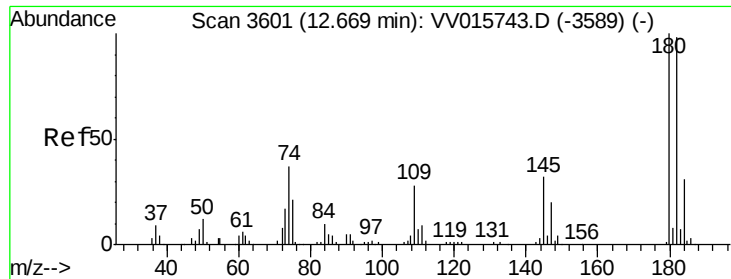


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

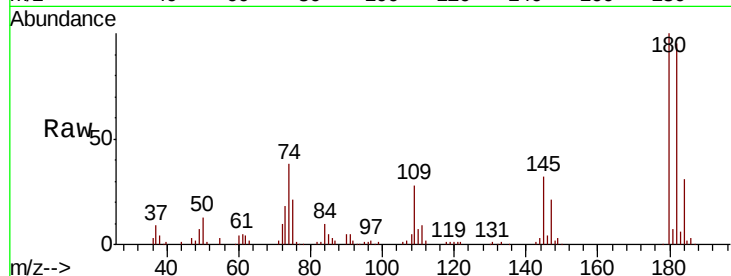




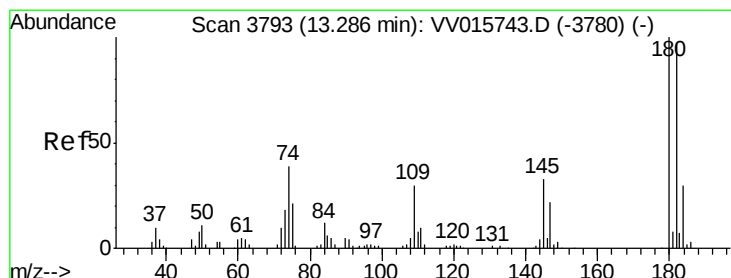
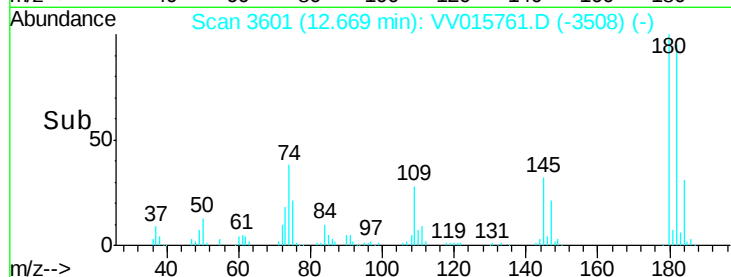
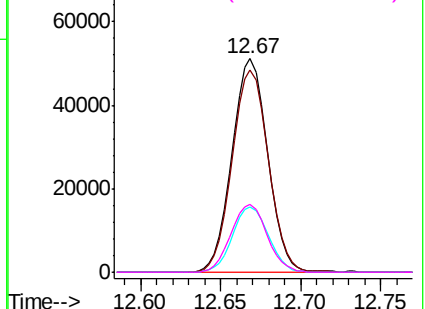
#67
 1,3,5-Trichlorobenzene
 Concen: 5.163 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV015761.D
 Acq: 28 Apr 2020 21:08

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180	Resp:	77637
Ion Ratio	Lower	Upper
180 100		
182 96.2	78.2	117.4
184 30.6	25.0	37.4
145 32.3	26.4	39.6

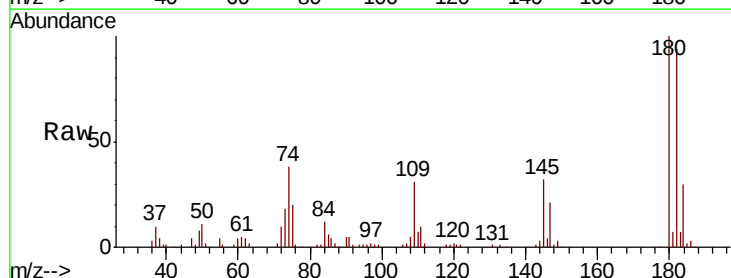


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

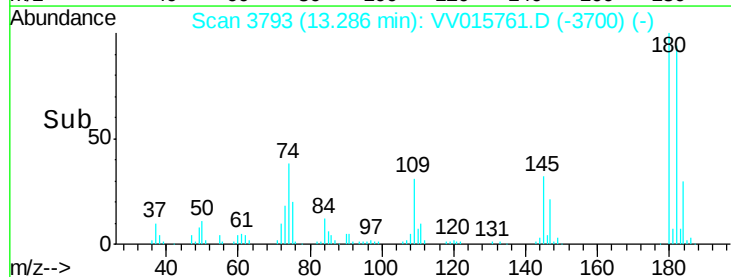
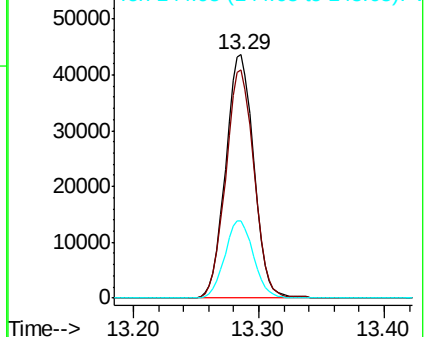


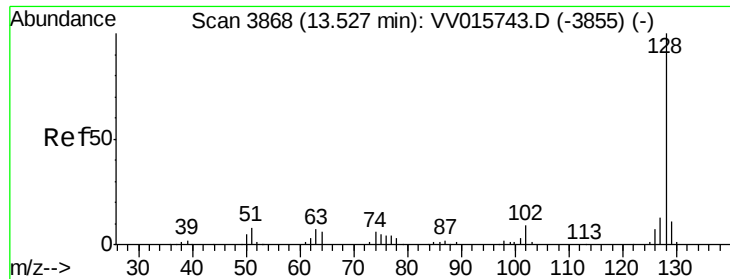
#68
 1,2,4-trichlorobenzene
 Concen: 4.899 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. -0.00 min
 Lab File: VV015761.D
 Acq: 28 Apr 2020 21:08

Tgt Ion:180	Resp:	67793
Ion Ratio	Lower	Upper
180 100		
182 94.4	74.8	112.2
145 32.2	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: 4.666 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. -0.00 min

Lab File: VV015761.D

Acq: 28 Apr 2020 21:08

Instrument :

MSVOA_V

ClientSampleId :

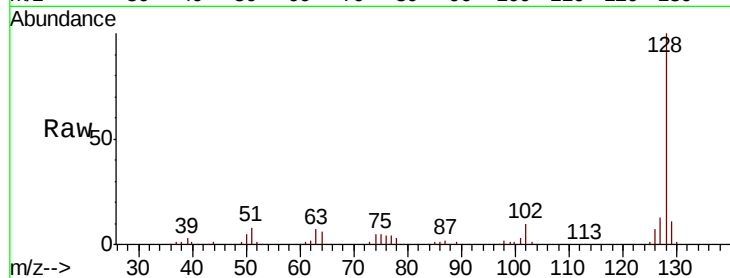
Tot Ion:128 Resp: 115582

Ion Ratio Lower Upper

128 100

129 10.6 8.4 12.6

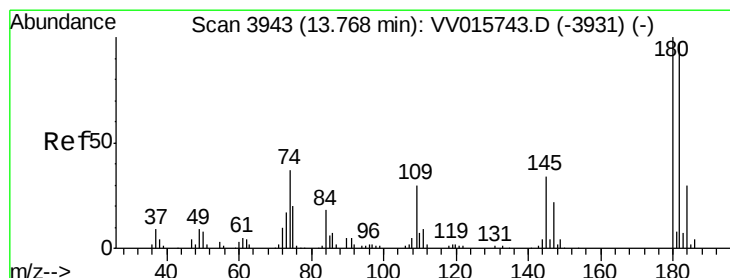
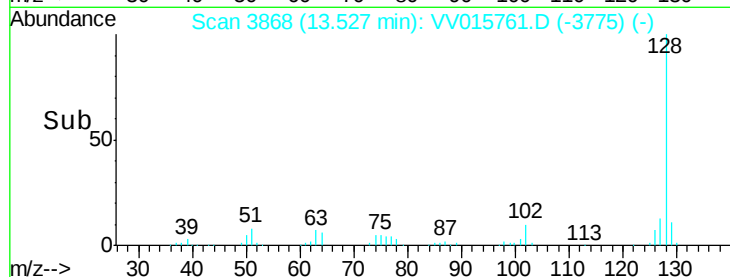
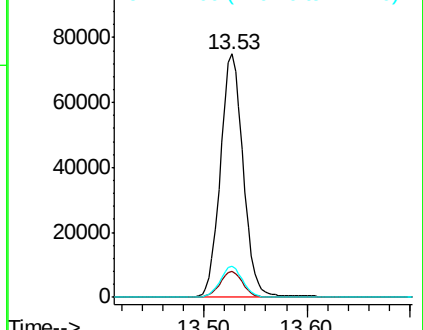
127 12.7 10.2 15.4



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: 4.985 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV015761.D

Acq: 28 Apr 2020 21:08

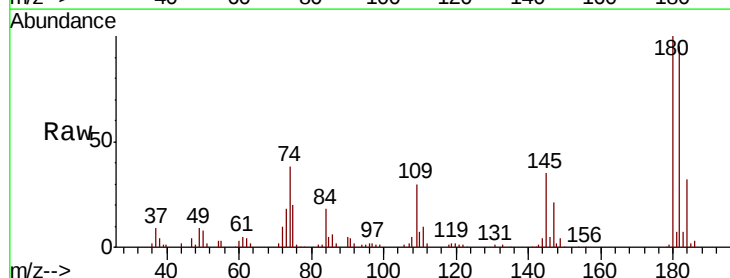
Tgt Ion:180 Resp: 60884

Ion Ratio Lower Upper

180 100

182 95.1 74.8 112.2

145 35.1 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

