

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042020\
 Data File : VV015590.D
 Acq On : 20 Apr 2020 18:48
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 21 00:12:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Apr 21 00:05:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	99695	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	94573	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	49424	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	22327	4.31	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.20%
7) Chloroethane-d5	1.57	69	21624	4.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.80%
11) 1,1-Dichloroethene-d2	2.12	63	51835	4.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.20%
20) 2-Butanone-d5	3.95	46	77979	53.69	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.38%
24) Chloroform-d	4.38	84	55619	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
26) 1,2-Dichloroethane-d4	5.06	65	30849	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.00%
32) Benzene-d6	5.07	84	99278	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
36) 1,2-Dichloropropane-d6	6.09	67	31393	4.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.00%
41) Toluene-d8	7.34	98	93072	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.00%
43) trans-1,3-Dichloropropene-	7.64	79	12078	4.25	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.00%
46) 2-Hexanone-d5	8.11	63	66226	48.32	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.64%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	24444	4.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.20%
64) 1,2-Dichlorobenzene-d4	11.65	152	35193	4.44	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	47382	4.802	ug/L 98
3) Chloromethane	1.24	50	42868	4.562	ug/L 98
5) Vinyl chloride	1.32	62	43571	4.815	ug/L 100
6) Bromomethane	1.53	94	21698	4.339	ug/L 100
8) Chloroethane	1.59	64	26958	5.137	ug/L 99
9) Trichlorofluoromethane	1.76	101	61272	5.293	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	33874	5.180	ug/L 98
12) 1,1-Dichloroethene	2.13	96	31791	5.080	ug/L 95
13) Acetone	2.23	43	61215	59.655	ug/L # 64
14) Carbon disulfide	2.30	76	88784	4.069	ug/L 100
15) Methyl Acetate	2.46	43	15117	4.979	ug/L 92
16) Methylene chloride	2.52	84	36166	4.933	ug/L 99
17) Methyl tert-butyl Ether	2.79	73	90132	5.389	ug/L 99
18) trans-1,2-Dichloroethene	2.78	96	35583	5.046	ug/L 98
19) 1,1-Dichloroethane	3.21	63	70758	5.323	ug/L 97
21) 2-Butanone	4.04	43	98109	59.164	ug/L # 71
22) cis-1,2-Dichloroethene	3.94	96	38729	5.289	ug/L 97

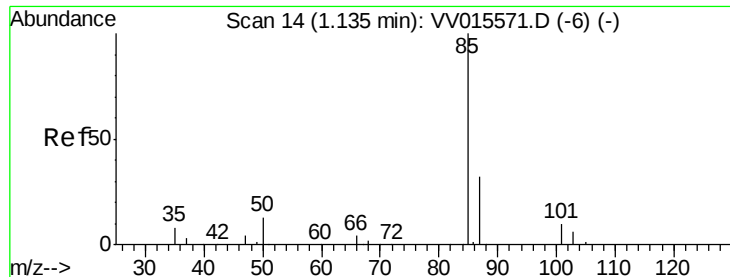
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042020\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	16261	5.338	ug/L	97
25) Chloroform	4.40	83	72839	5.354	ug/L	99
27) 1,2-Dichloroethane	5.16	62	49434	5.620	ug/L	100
29) 1,1,1-Trichloroethane	4.63	97	65632	5.349	ug/L	100
30) Cyclohexane	4.70	56	63622	4.884	ug/L	98
31) Carbon tetrachloride	4.85	117	53088	4.971	ug/L	99
33) Benzene	5.13	78	148436	5.244	ug/L	100
34) Trichloroethene	5.94	95	41273	5.417	ug/L	98
35) Methylcyclohexane	6.15	83	62207	4.846	ug/L	99
37) 1,2-Dichloropropane	6.20	63	38055	5.421	ug/L	99
38) Bromodichloromethane	6.53	83	47430	5.066	ug/L	96
39) cis-1,3-Dichloropropene	7.05	75	51673	4.796	ug/L	96
40) 4-Methyl-2-pentanone	7.25	43	251620	54.583	ug/L	99
42) Toluene	7.41	91	159995	5.206	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	43245	4.747	ug/L	97
45) 1,1,2-Trichloroethane	7.86	97	26095	5.530	ug/L	98
47) Tetrachloroethene	8.00	164	29362	5.202	ug/L	100
48) 2-Hexanone	8.16	43	179011	55.577	ug/L	99
49) Dibromochloromethane	8.27	129	26246	4.643	ug/L	98
50) 1,2-Dibromoethane	8.38	107	24358	5.386	ug/L	100
51) Chlorobenzene	8.90	112	101454	5.179	ug/L	99
52) Ethylbenzene	9.03	91	183144	5.177	ug/L	99
53) m,p-xylene	9.16	106	67949	5.086	ug/L	99
54) o-xylene	9.57	106	65801	5.088	ug/L	99
55) Styrene	9.58	104	112045	5.155	ug/L	97
56) Isopropylbenzene	9.95	105	181305	5.114	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	30860	5.373	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	23904	5.507	ug/L	99
61) Bromoform	9.75	173	10561	3.643	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	82060	5.150	ug/L	97
63) 1,4-Dichlorobenzene	11.30	146	82655	5.097	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	74996	5.162	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.45	75	5115	4.601	ug/L	96
67) 1,3,5-Trichlorobenzene	12.67	180	59531	5.170	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	54860	5.289	ug/L	98
69) Naphthalene	13.53	128	97580	4.993	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	48857	5.332	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 4.802 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

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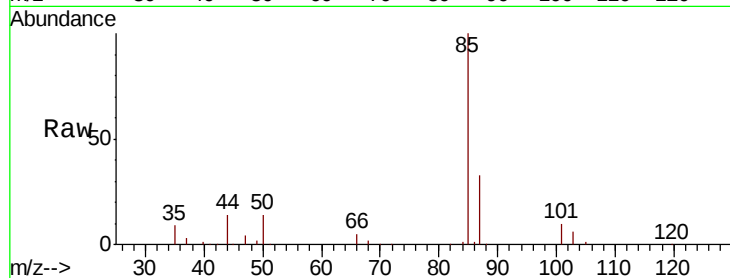
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 47382

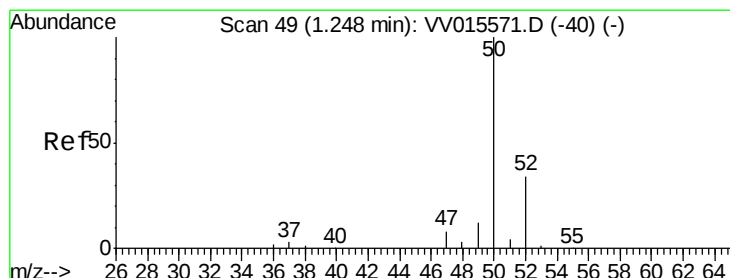
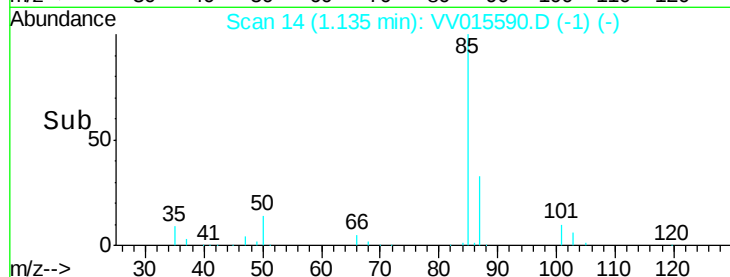
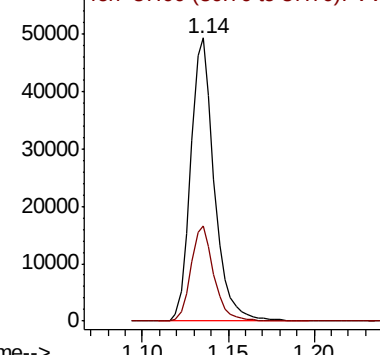
Ion Ratio Lower Upper

85 100

87 32.7 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VV0
Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 4.562 ug/L

RT: 1.24 min Scan# 48

Delta R.T. -0.00 min

Lab File: VV015590.D

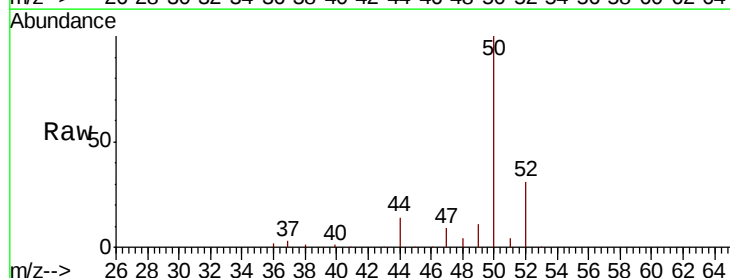
Acq: 20 Apr 2020 18:48

Tgt Ion: 50 Resp: 42868

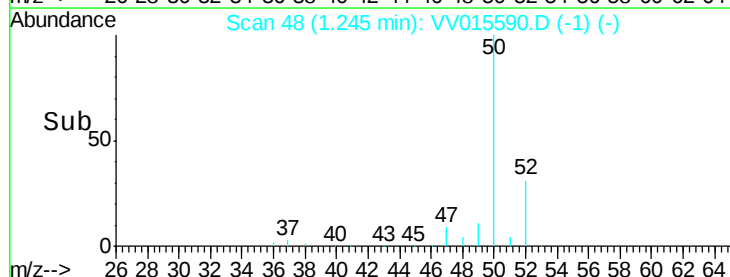
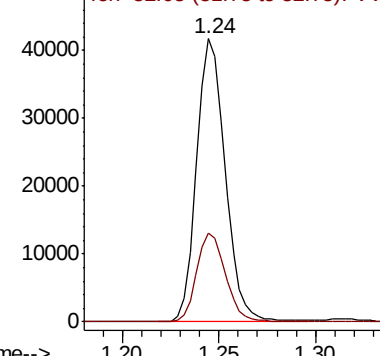
Ion Ratio Lower Upper

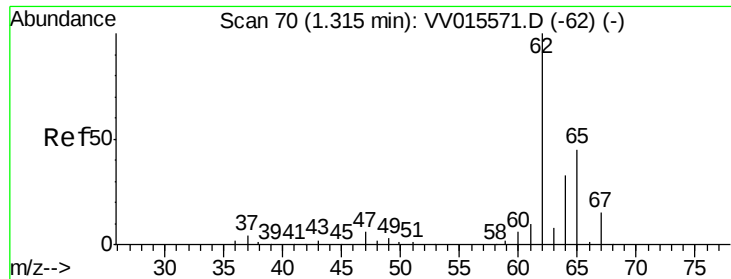
50 100

52 31.4 22.7 42.1



Abundance Ion 50.05 (49.75 to 50.75): VV0
Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 4.815 ug/L

RT: 1.32 min Scan# 70

Delta R.T. 0.00 min

Lab File: VV015590.D

Acq: 20 Apr 2020 18:48

Instrument :

MSVOA_V

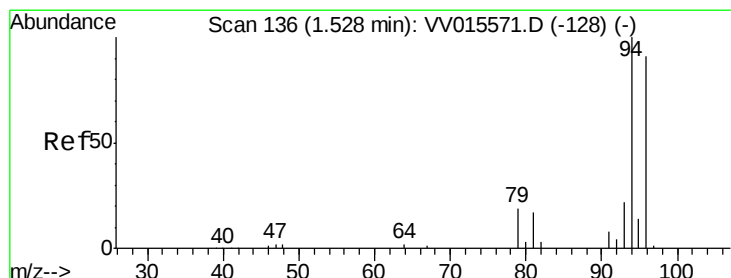
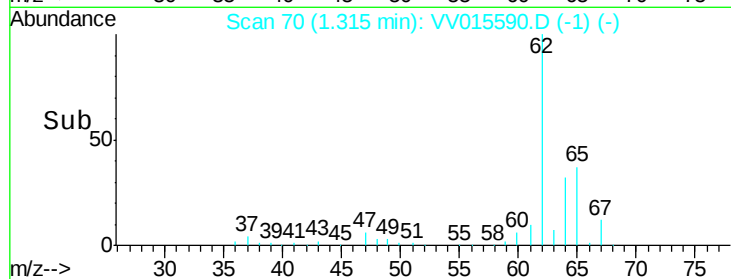
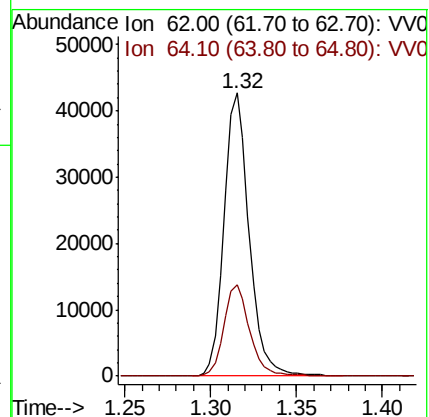
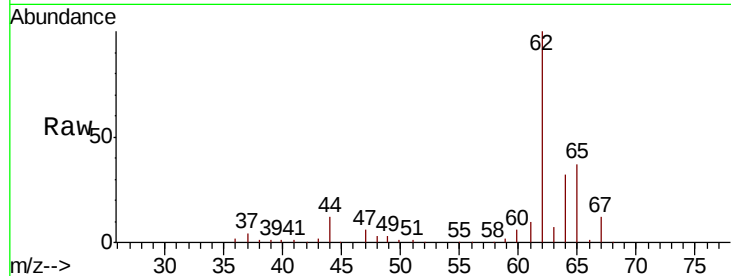
ClientSampled :

Tot Ion: 62 Resp: 43571

Ion Ratio Lower Upper

62 100

64 32.4 22.5 41.7



#6

Bromomethane

Concen: 4.339 ug/L

RT: 1.53 min Scan# 136

Delta R.T. 0.00 min

Lab File: VV015590.D

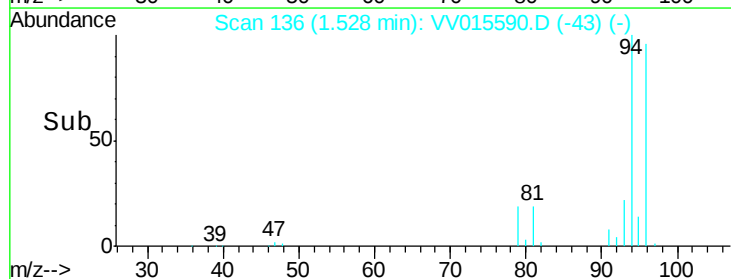
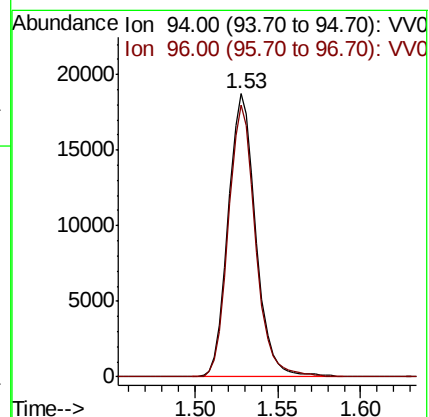
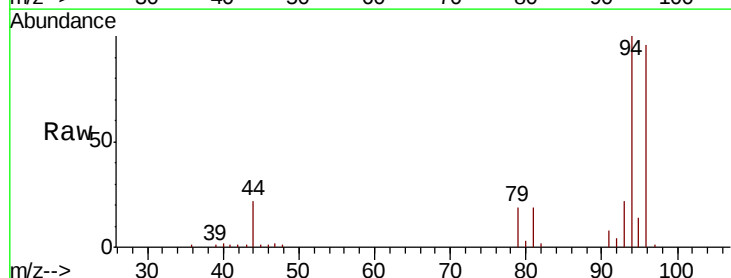
Acq: 20 Apr 2020 18:48

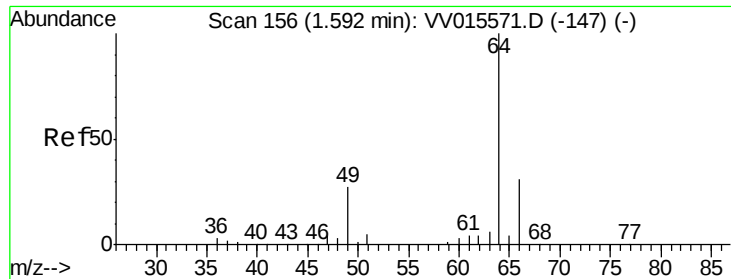
Tgt Ion: 94 Resp: 21698

Ion Ratio Lower Upper

94 100

96 95.9 67.2 124.8

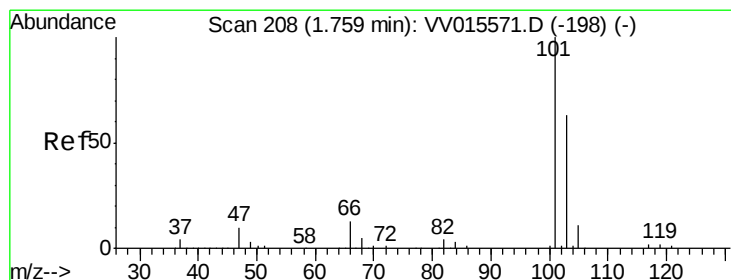
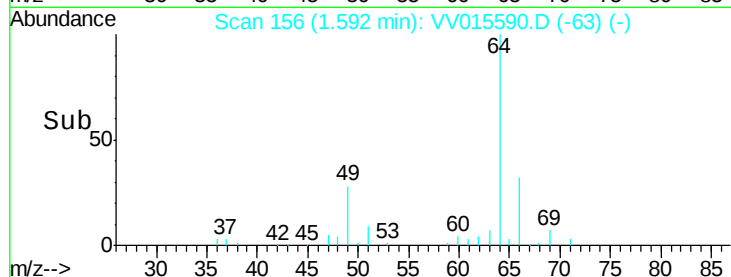
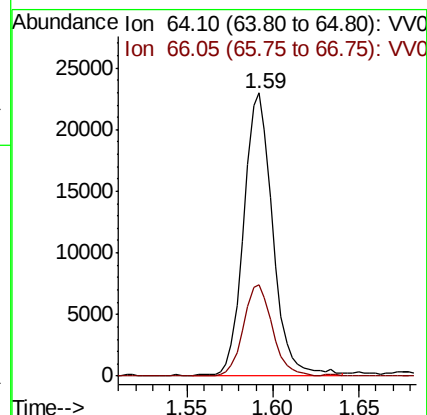
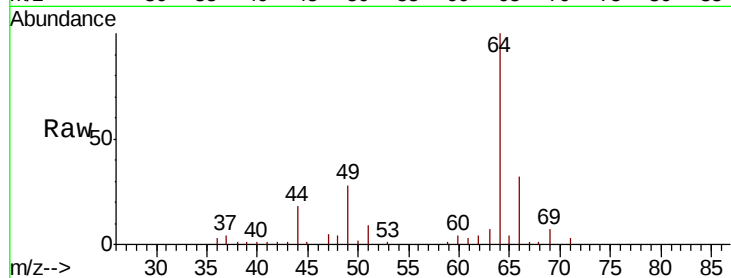




#8
Chloroethane
Concen: 5.137 ug/L
RT: 1.59 min Scan# 156
Delta R.T. 0.00 min
Lab File: VV015590.D
Acq: 20 Apr 2020 18:48

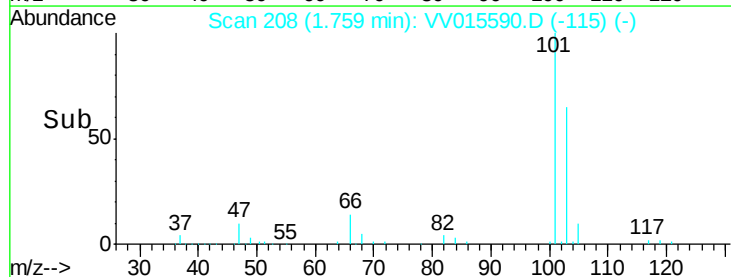
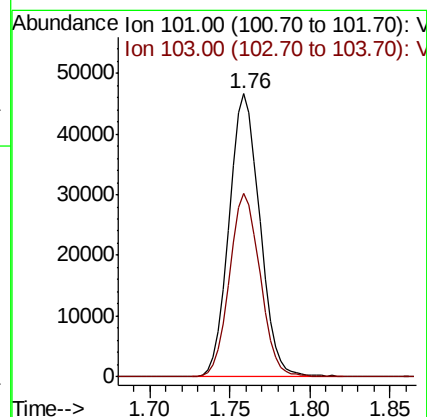
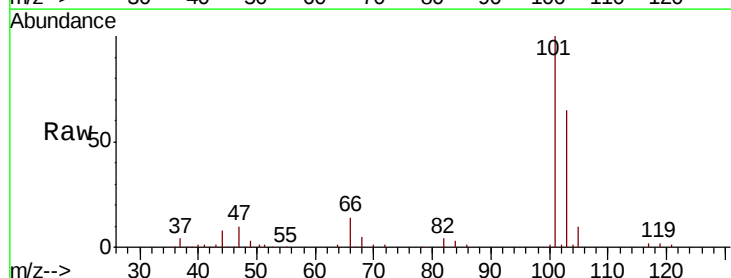
Instrument :
MSVOA_V
ClientSampleId :

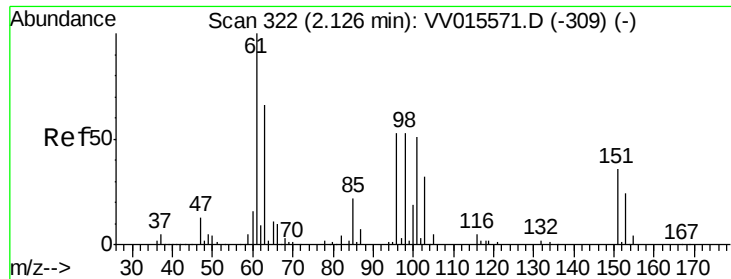
Tot Ion: 64 Resp: 26958
Ion Ratio Lower Upper
64 100
66 32.5 22.3 41.5



#9
Trichlorofluoromethane
Concen: 5.293 ug/L
RT: 1.76 min Scan# 208
Delta R.T. 0.00 min
Lab File: VV015590.D
Acq: 20 Apr 2020 18:48

Tgt Ion:101 Resp: 61272
Ion Ratio Lower Upper
101 100
103 64.6 51.9 77.9





#10

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

Concen: 5.180 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.00 min

Lab File: VV015590.D

Acq: 20 Apr 2020 18:48

Instrument :

MSVOA_V

ClientSampled :

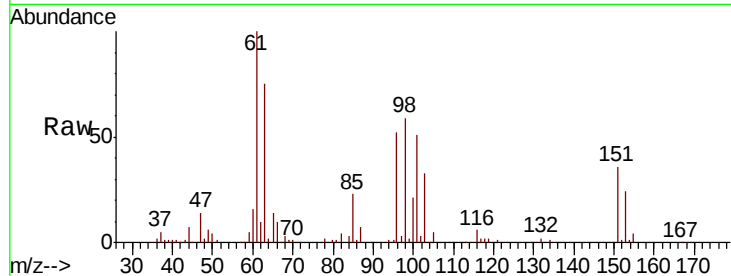
Tot Ion:101 Resp: 33874

Ion Ratio Lower Upper

101 100

85 44.5 36.3 54.5

151 71.2 58.2 87.4



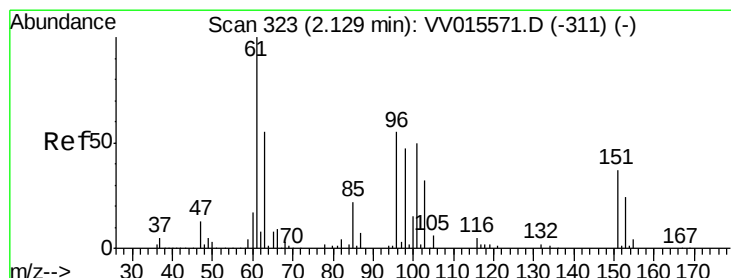
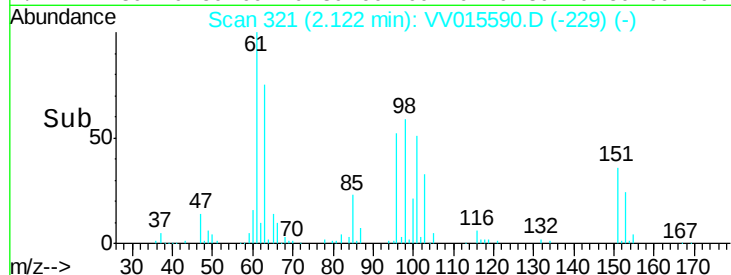
Abundance Ion 101.00 (100.70 to 101.70): VV015590.D (-229) (-)

Ion 85.00 (84.70 to 85.70): VV015590.D (-229) (-)

Ion 151.00 (150.70 to 151.70): VV015590.D (-229) (-)

2.12

Time-->



#12

1,1-Dichloroethene

Concen: 5.080 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV015590.D

Acq: 20 Apr 2020 18:48

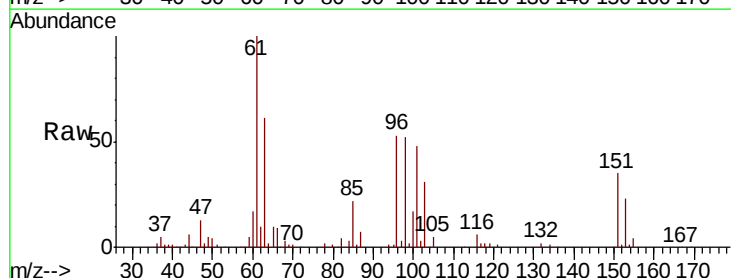
Tgt Ion: 96 Resp: 31791

Ion Ratio Lower Upper

96 100

61 187.7 127.7 237.1

63 115.2 75.1 139.5



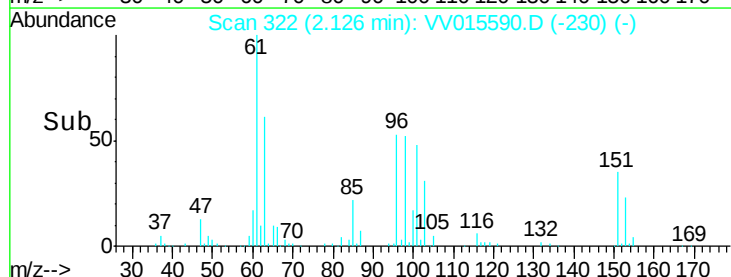
Abundance Ion 96.00 (95.70 to 96.70): VV015590.D (-230) (-)

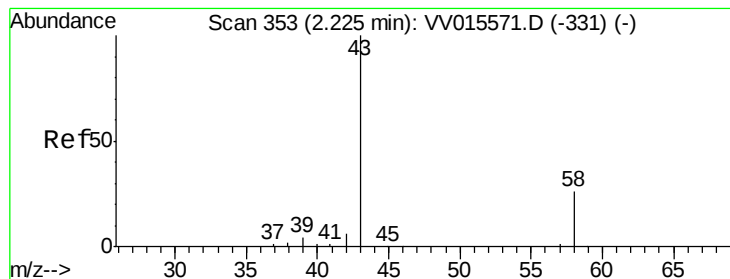
Ion 61.05 (60.75 to 61.75): VV015590.D (-230) (-)

Ion 63.00 (62.70 to 63.70): VV015590.D (-230) (-)

2.13

Time-->





#13

Acetone

Concen: 59.655 ug/L

RT: 2.23 min Scan# 356

Delta R.T. 0.01 min

Lab File: VV015590.D

Acq: 20 Apr 2020 18:48

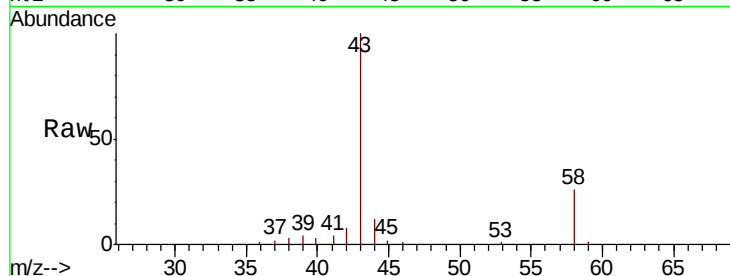
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 61215

Ion Ratio Lower Upper

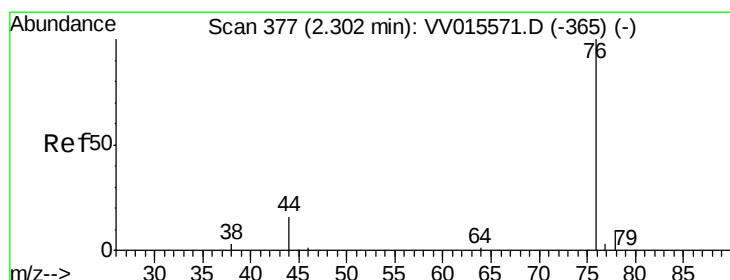
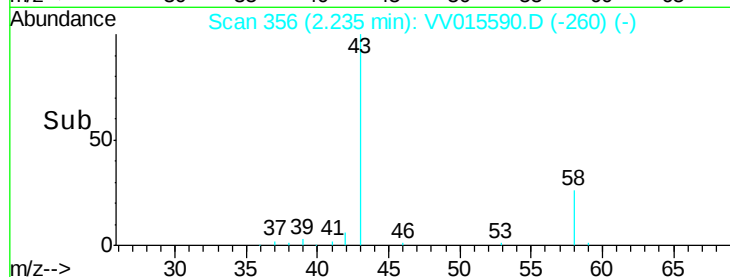
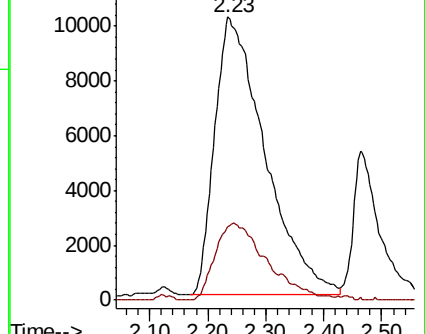
43 100

58 24.7 0.0 22.2#



Abundance Ion 43.05 (42.75 to 43.75): VV015571.D (-331) (-)

Ion 58.05 (57.75 to 58.75): VV015571.D (-331) (-)



#14

Carbon disulfide

Concen: 4.069 ug/L

RT: 2.30 min Scan# 377

Delta R.T. 0.00 min

Lab File: VV015590.D

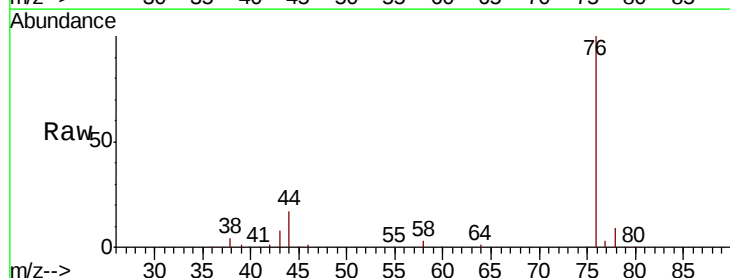
Acq: 20 Apr 2020 18:48

Tgt Ion: 76 Resp: 88784

Ion Ratio Lower Upper

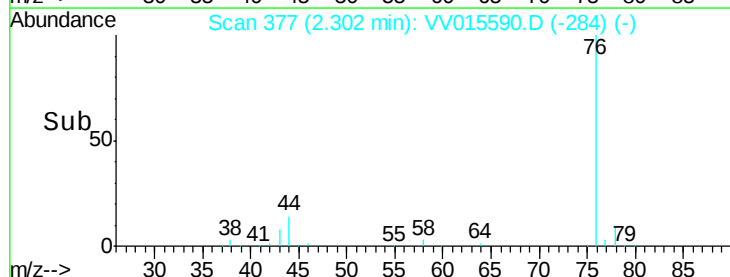
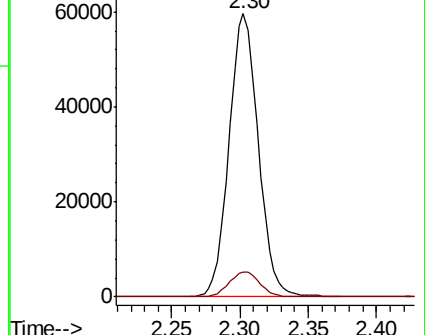
76 100

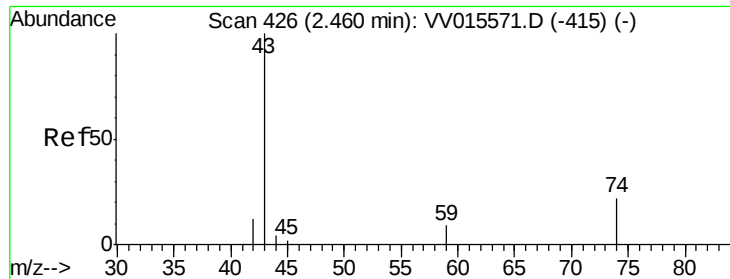
78 8.9 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VV015571.D (-365) (-)

Ion 78.00 (77.70 to 78.70): VV015571.D (-365) (-)

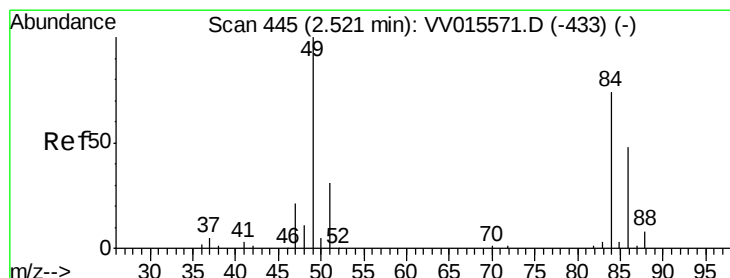
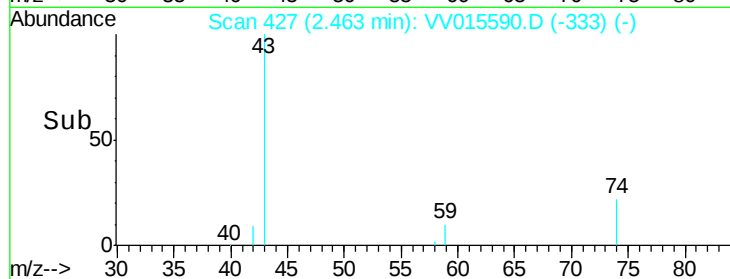
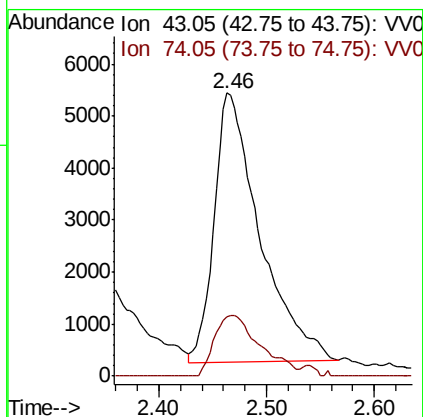
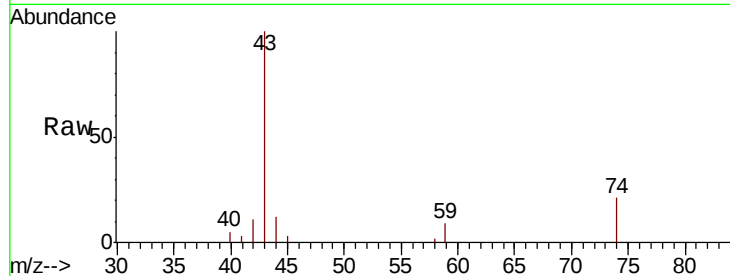




#15
Methyl Acetate
Concen: 4.979 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VV015590.D
Acq: 20 Apr 2020 18:48

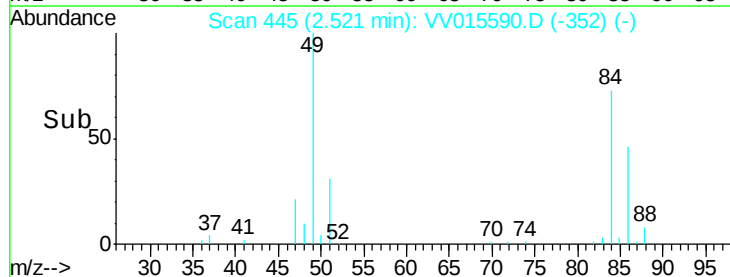
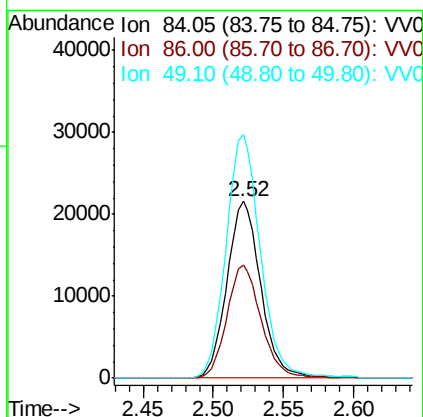
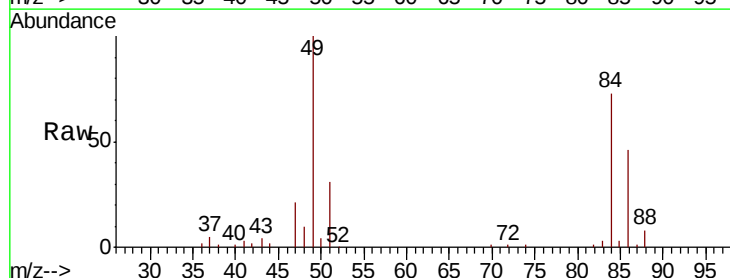
Instrument :
MSVOA_V
ClientSampleId :

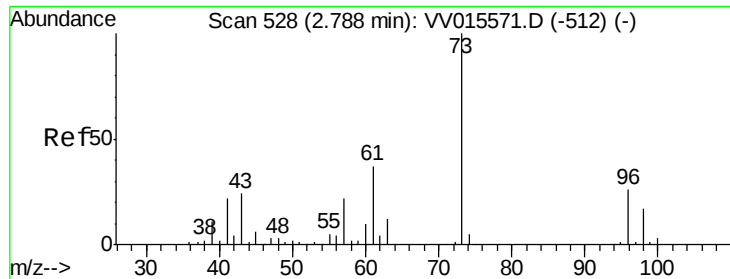
Tot Ion: 43 Resp: 15117
Ion Ratio Lower Upper
43 100
74 23.0 15.4 23.2



#16
Methylene chloride
Concen: 4.933 ug/L
RT: 2.52 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV015590.D
Acq: 20 Apr 2020 18:48

Tgt Ion: 84 Resp: 36166
Ion Ratio Lower Upper
84 100
86 63.9 45.1 83.7
49 137.9 97.9 181.7

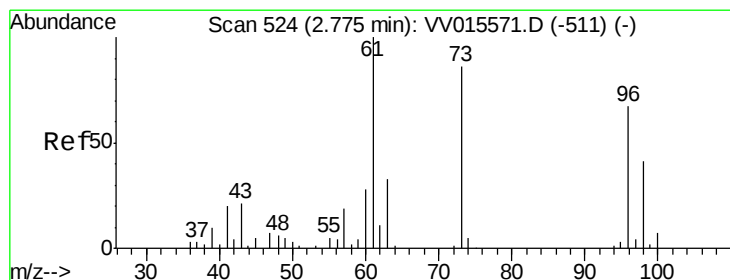
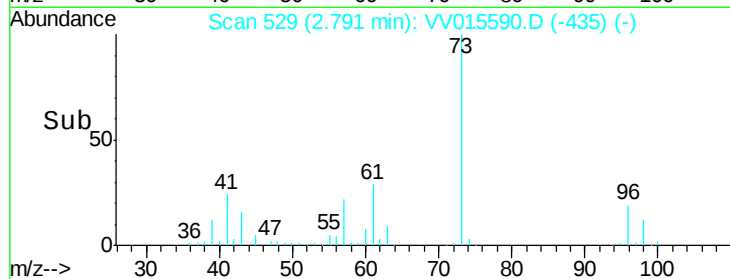
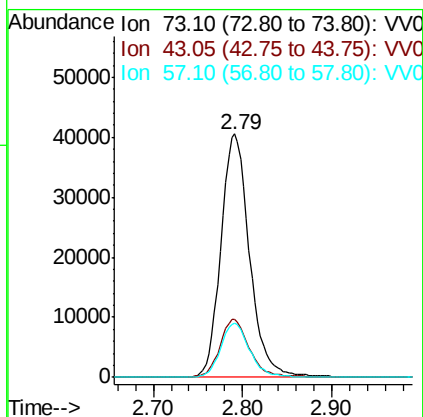
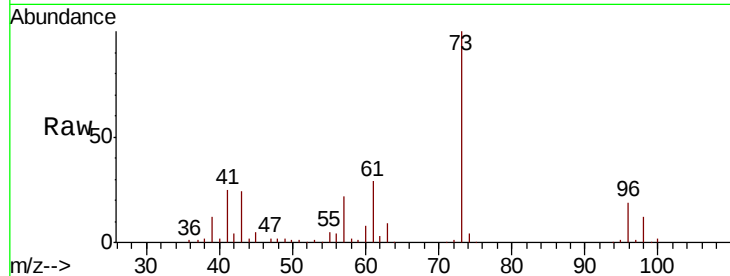




#17
Methvl tert-butvl Ether
Concen: 5.389 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV015590.D
Acq: 20 Apr 2020 18:48

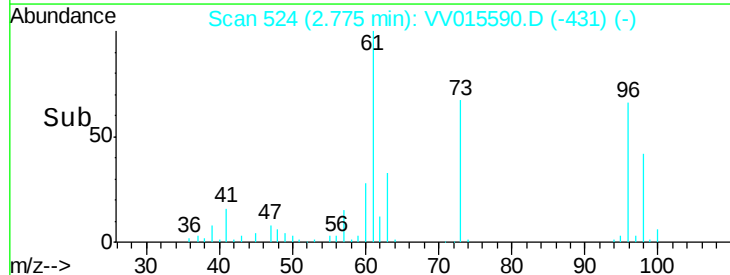
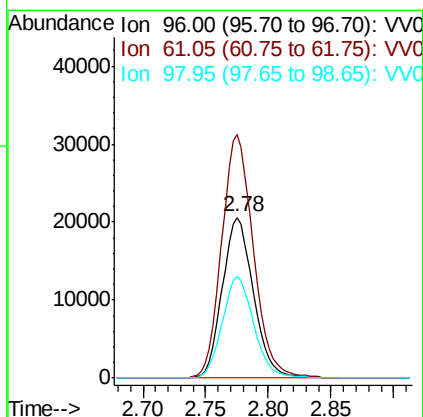
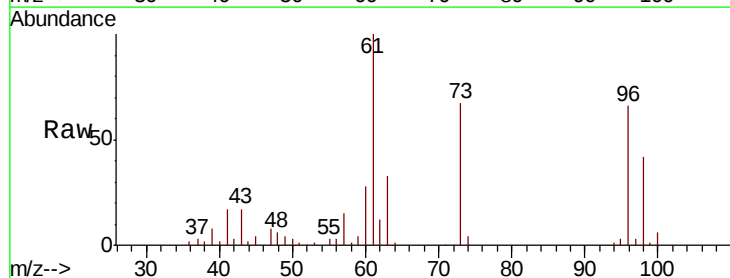
Instrument :
MSVOA_V
ClientSampled :

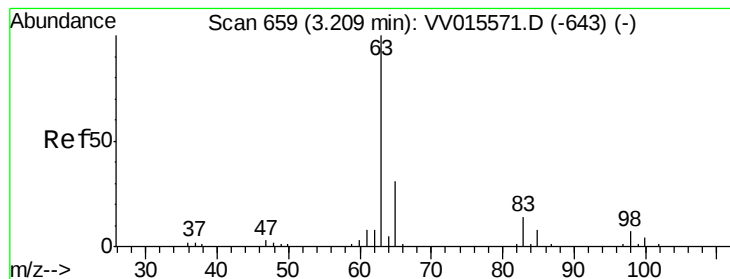
Tot Ion: 73 Resp: 90132
Ion Ratio Lower Upper
73 100
43 23.7 18.3 27.5
57 22.4 18.4 27.6



#18
trans-1,2-Dichloroethene
Concen: 5.046 ug/L
RT: 2.78 min Scan# 524
Delta R.T. 0.00 min
Lab File: VV015590.D
Acq: 20 Apr 2020 18:48

Tgt Ion: 96 Resp: 35583
Ion Ratio Lower Upper
96 100
61 151.5 104.4 194.0
98 63.3 42.8 79.4





#19

1,1-Dichloroethane

Concen: 5.323 ug/L

RT: 3.21 min Scan# 659

Delta R.T. 0.00 min

Lab File: VV015590.D

Acq: 20 Apr 2020 18:48

Instrument :

MSVOA_V

ClientSampleId :

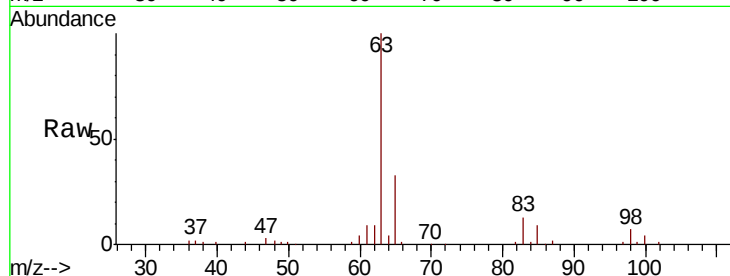
Tot Ion: 63 Resp: 70758

Ion Ratio Lower Upper

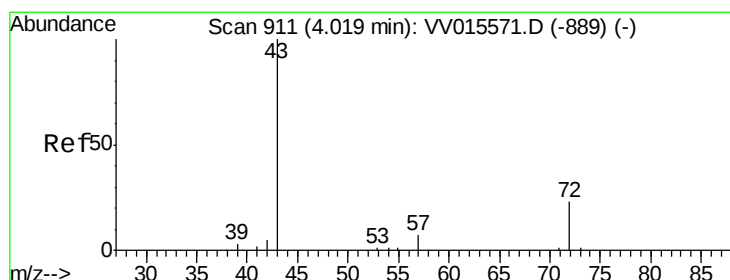
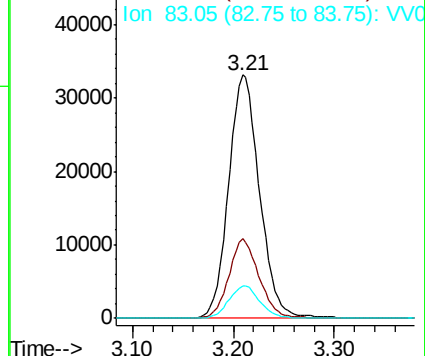
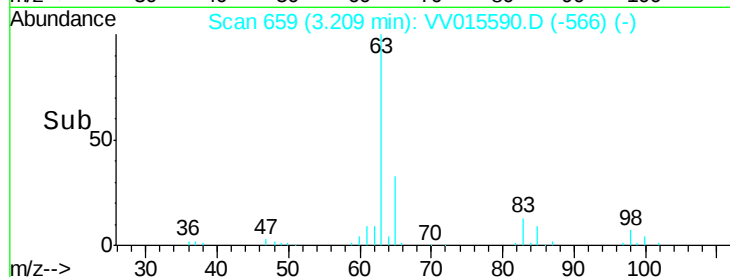
63 100

65 32.6 21.3 39.6

83 13.2 9.4 17.6



Abundance Ion 63.10 (62.80 to 63.80): VV015590.D (-566) (-)



#21

2-Butanone

Concen: 59.164 ug/L

RT: 4.04 min Scan# 916

Delta R.T. 0.02 min

Lab File: VV015590.D

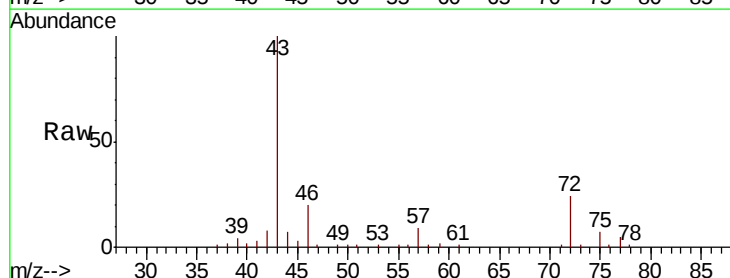
Acq: 20 Apr 2020 18:48

Tgt Ion: 43 Resp: 98109

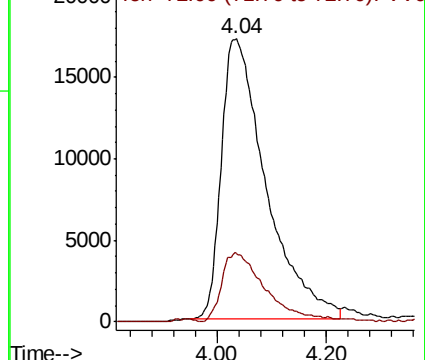
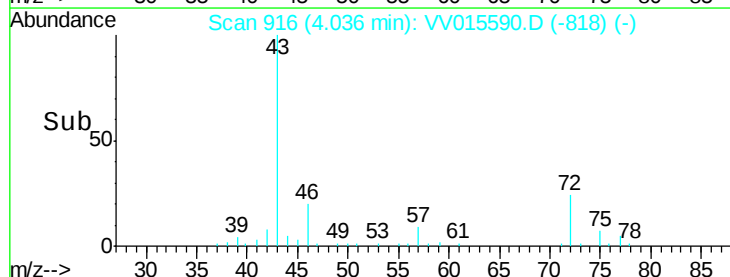
Ion Ratio Lower Upper

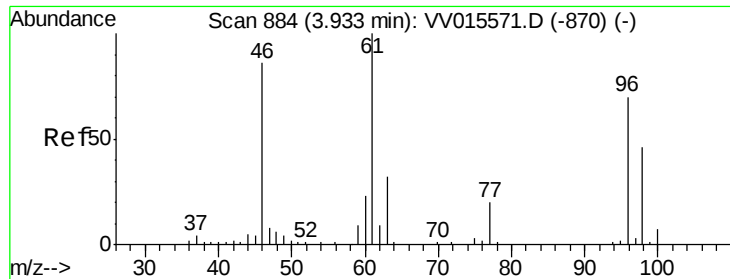
43 100

72 23.1 5.9 17.8#



Abundance Ion 43.00 (42.70 to 43.70): VV015590.D (-818) (-)



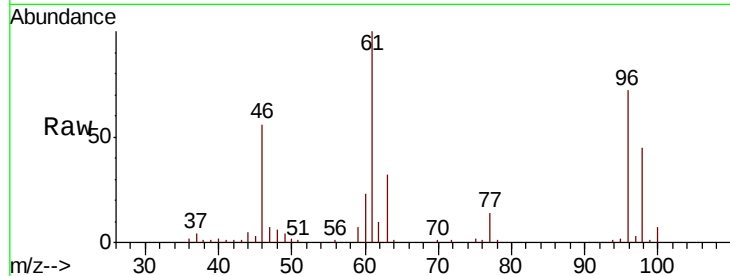


#22

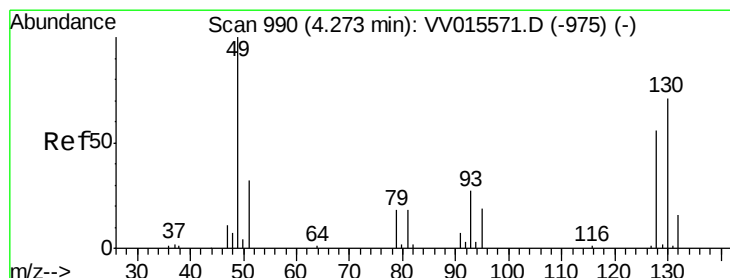
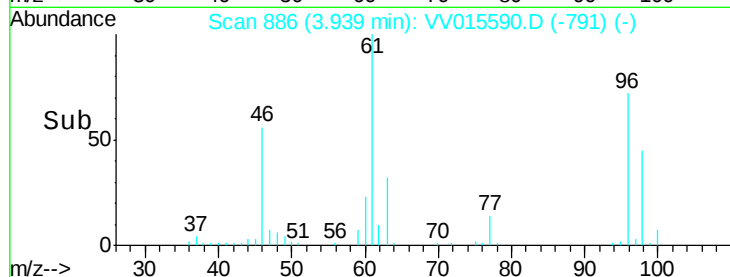
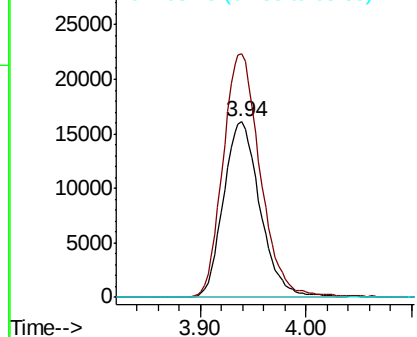
cis-1,2-Dichloroethene
Concen: 5.289 ug/L
RT: 3.94 min Scan# 886
Delta R.T. 0.01 min
Lab File: VV015590.D
Acq: 20 Apr 2020 18:48

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 96 Resp: 38729
Ion Ratio Lower Upper
96 100
61 139.0 100.0 185.8
68 0.0 0.0 0.0



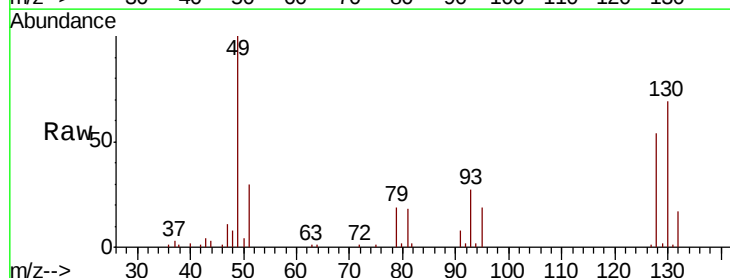
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



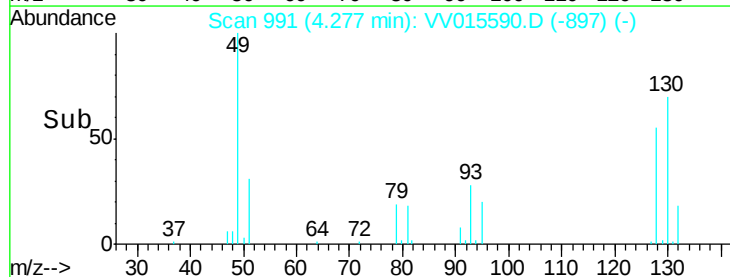
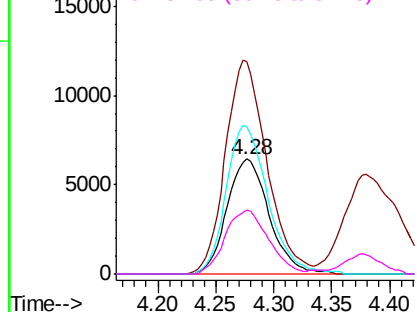
#23

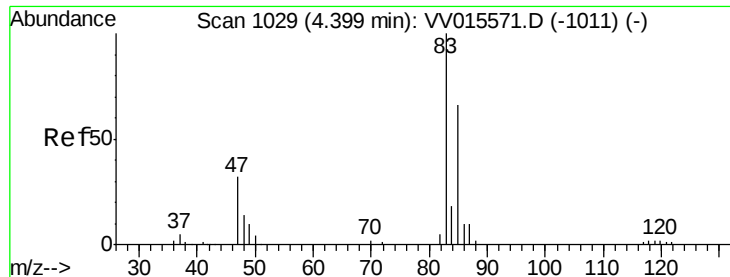
Bromochloromethane
Concen: 5.338 ug/L
RT: 4.28 min Scan# 991
Delta R.T. 0.00 min
Lab File: VV015590.D
Acq: 20 Apr 2020 18:48

Tgt Ion: 128 Resp: 16261
Ion Ratio Lower Upper
128 100
49 184.3 128.8 239.2
130 127.5 93.5 173.7
51 55.3 47.8 71.6



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





#25

Chloroform

Concen: 5.354 ug/L

RT: 4.40 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VV015590.D

Acq: 20 Apr 2020 18:48

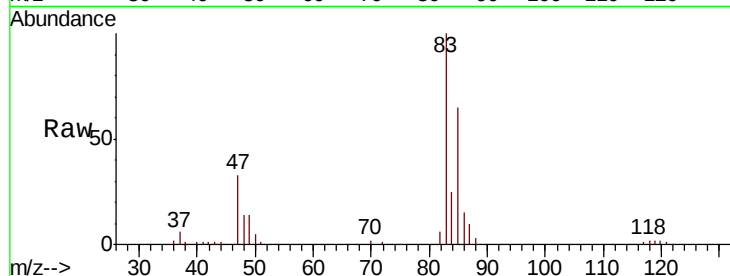
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 72839

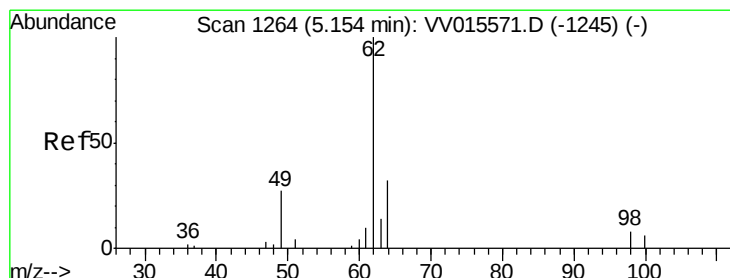
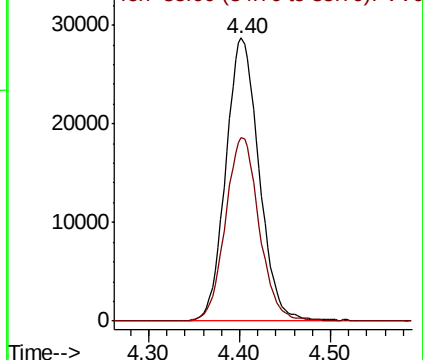
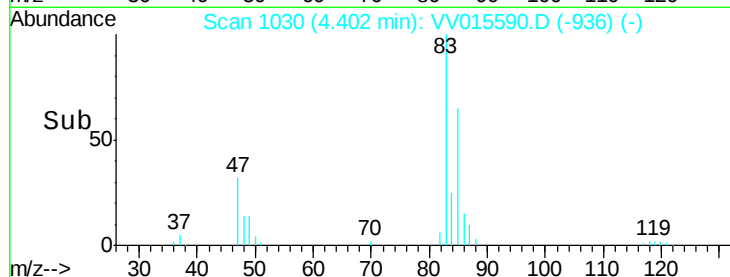
Ion Ratio Lower Upper

83 100

85 64.7 45.9 85.3



Abundance Ion 83.05 (82.75 to 83.75): VV015590.D (-936) (-)



#27

1,2-Dichloroethane

Concen: 5.620 ug/L

RT: 5.16 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VV015590.D

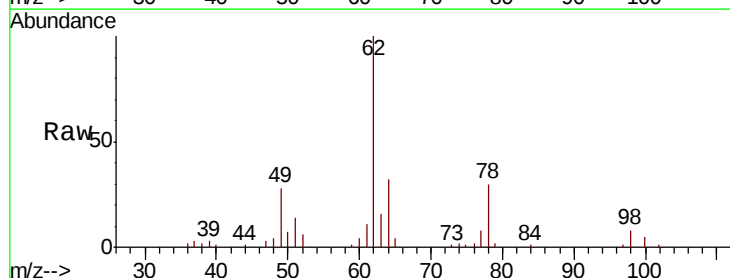
Acq: 20 Apr 2020 18:48

Tgt Ion: 62 Resp: 49434

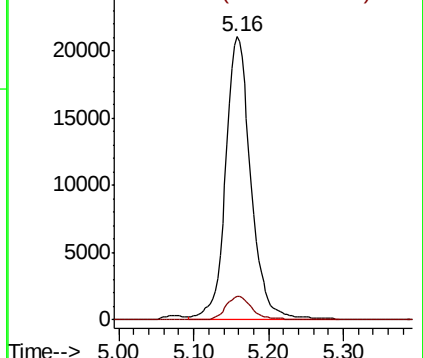
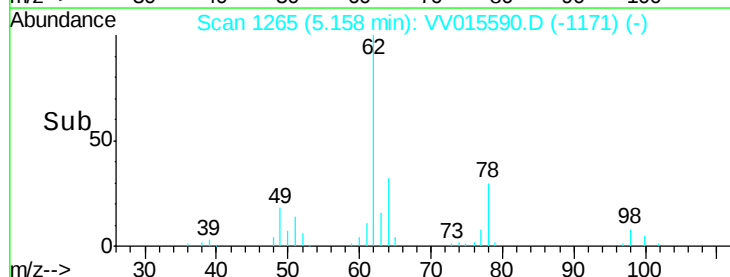
Ion Ratio Lower Upper

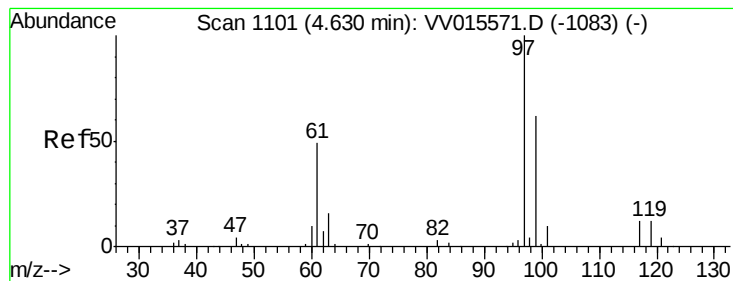
62 100

98 8.4 6.6 10.0



Abundance Ion 62.00 (61.70 to 62.70): VV015590.D (-1171) (-)





#29

1,1,1-Trichloroethane

Concen: 5.349 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV015590.D

Acq: 20 Apr 2020 18:48

Instrument :

MSVOA_V

ClientSampleId :

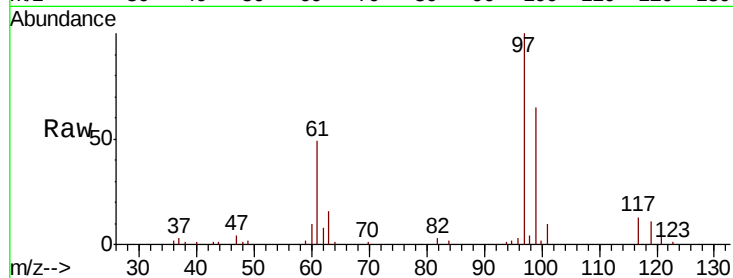
Tot Ion: 97 Resp: 65632

Ion Ratio Lower Upper

97 100

99 64.7 51.6 77.4

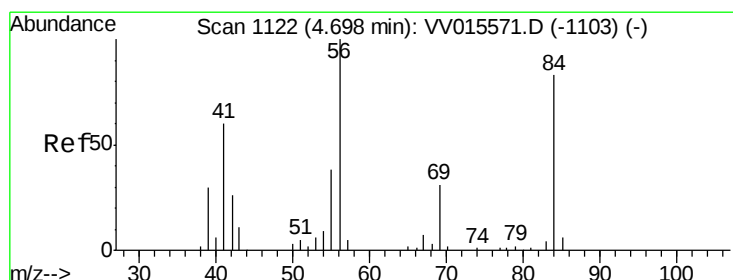
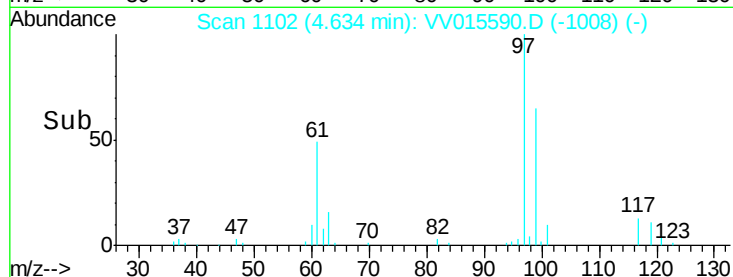
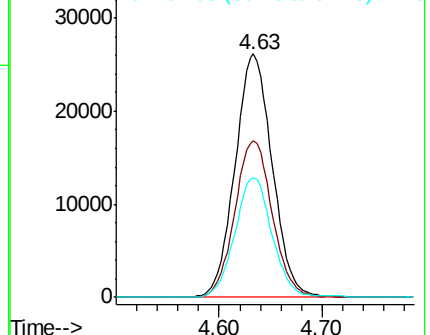
61 49.3 39.0 58.6



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: 4.884 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VV015590.D

Acq: 20 Apr 2020 18:48

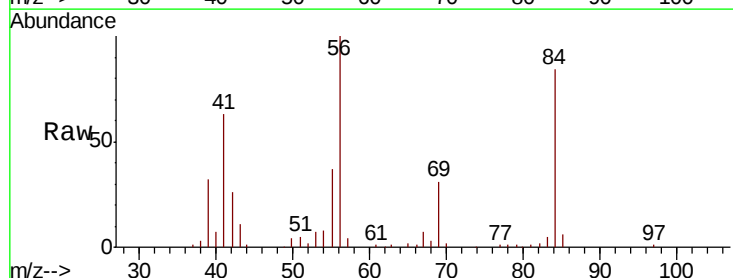
Tgt Ion: 56 Resp: 63622

Ion Ratio Lower Upper

56 100

69 30.7 24.2 36.4

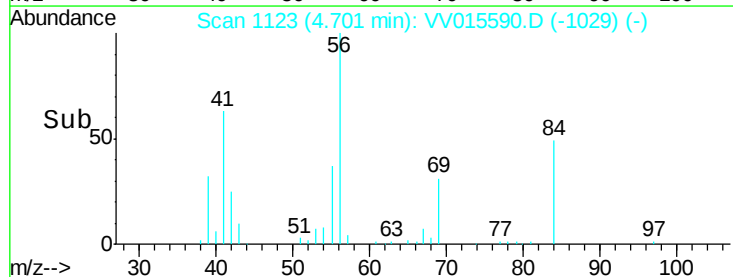
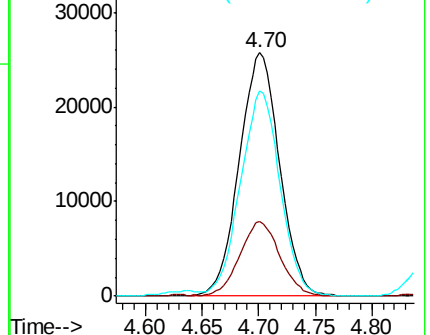
84 83.4 68.4 102.6

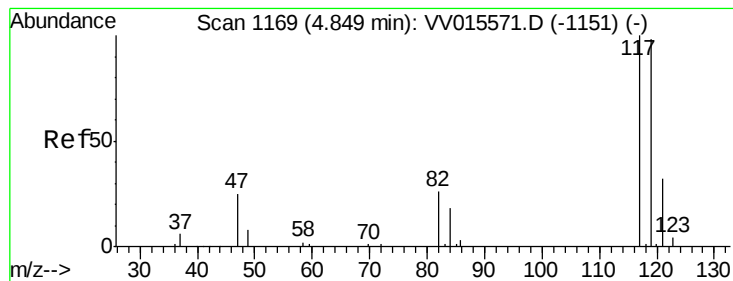


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 4.971 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV015590.D

Acq: 20 Apr 2020 18:48

Instrument :

MSVOA_V

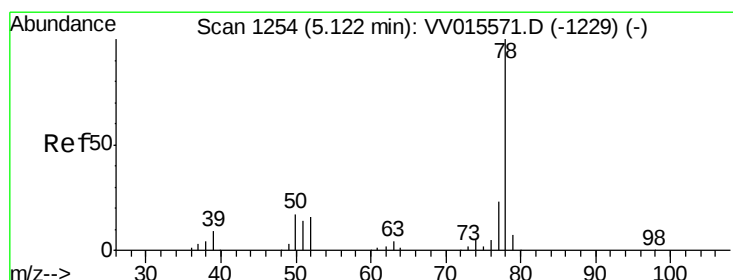
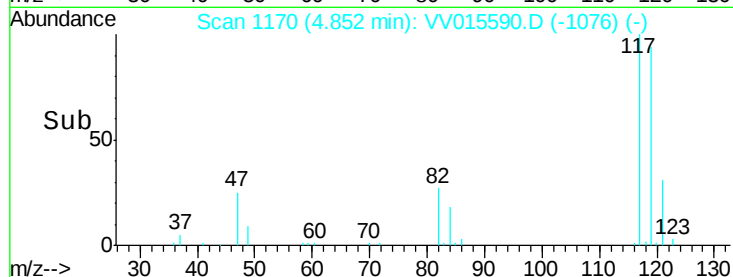
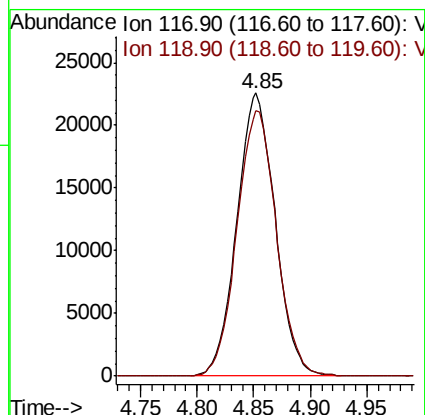
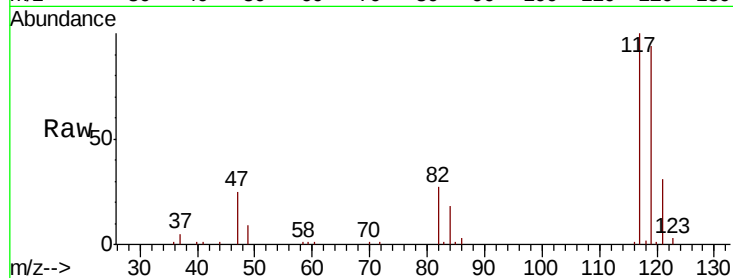
ClientSampled :

Tot Ion:117 Resp: 53088

Ion Ratio Lower Upper

117 100

119 96.5 76.6 115.0



#33

Benzene

Concen: 5.244 ug/L

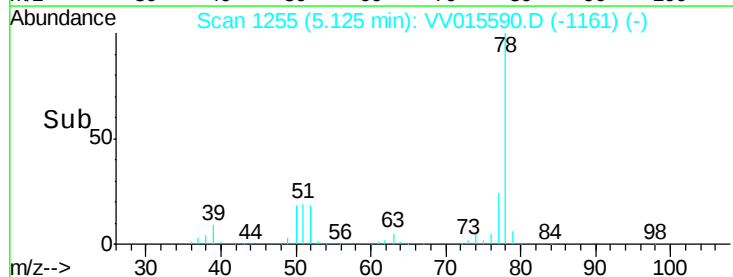
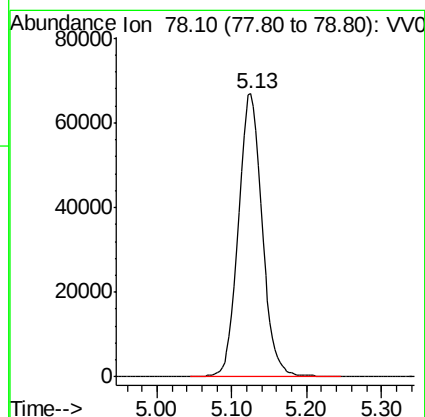
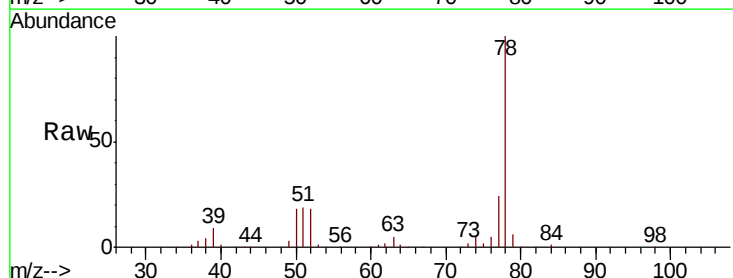
RT: 5.13 min Scan# 1255

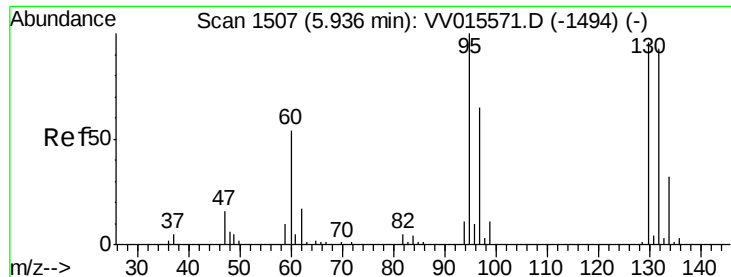
Delta R.T. 0.00 min

Lab File: VV015590.D

Acq: 20 Apr 2020 18:48

Tgt Ion: 78 Resp: 148436

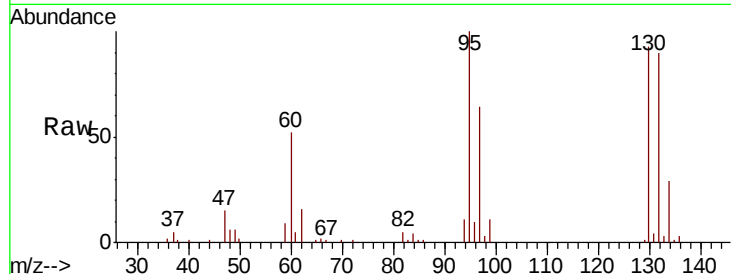




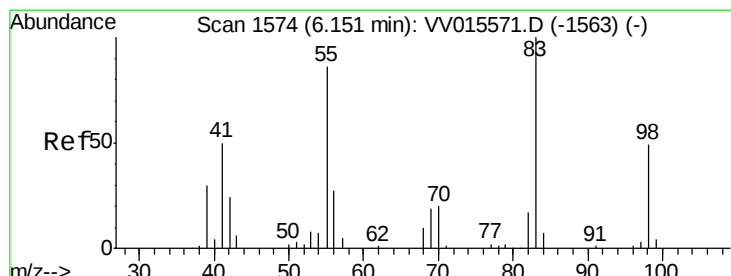
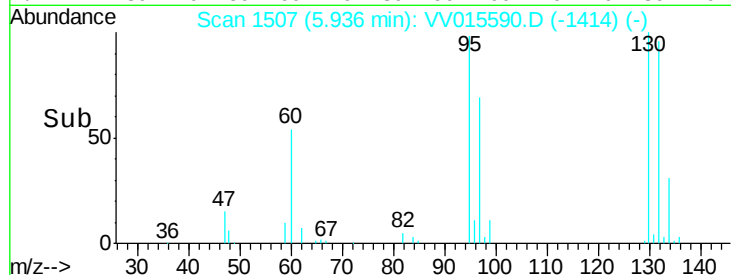
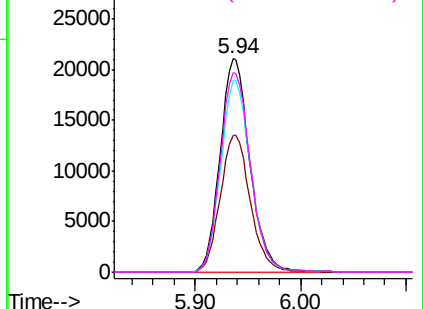
#34
 Trichloroethene
 Concen: 5.417 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV015590.D
 Acq: 20 Apr 2020 18:48

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 41273
 Ion Ratio Lower Upper
 95 100
 97 64.1 45.4 84.4
 132 90.1 64.8 120.4
 130 93.5 67.4 125.2

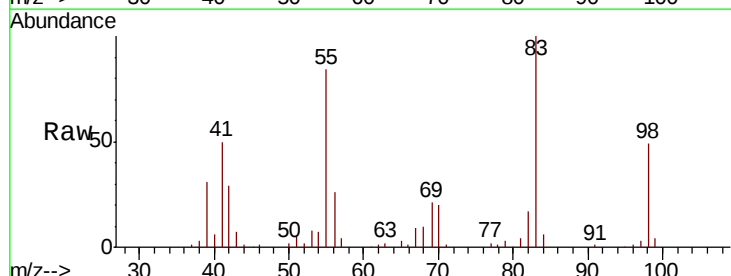


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

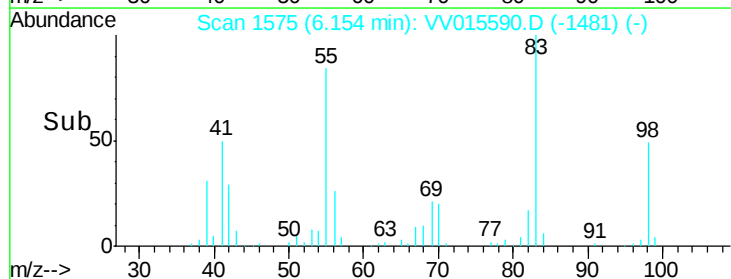
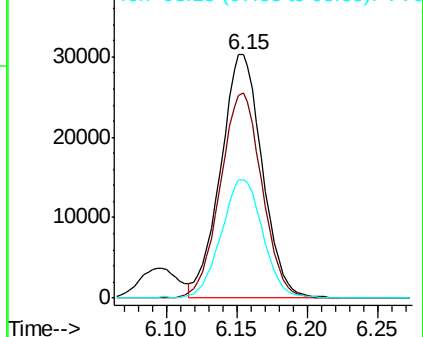


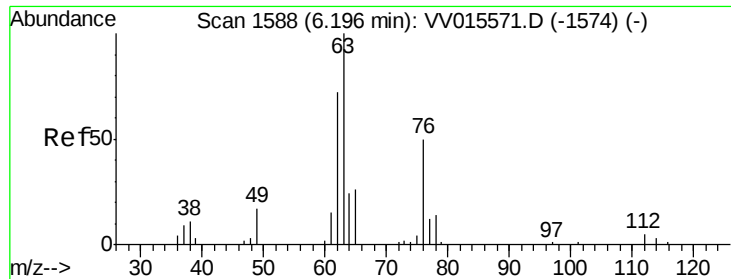
#35
 Methylcyclohexane
 Concen: 4.846 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV015590.D
 Acq: 20 Apr 2020 18:48

Tgt Ion: 83 Resp: 62207
 Ion Ratio Lower Upper
 83 100
 55 84.4 66.6 99.8
 98 48.9 38.7 58.1



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: 5.421 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. 0.00 min

Lab File: VV015590.D

Acq: 20 Apr 2020 18:48

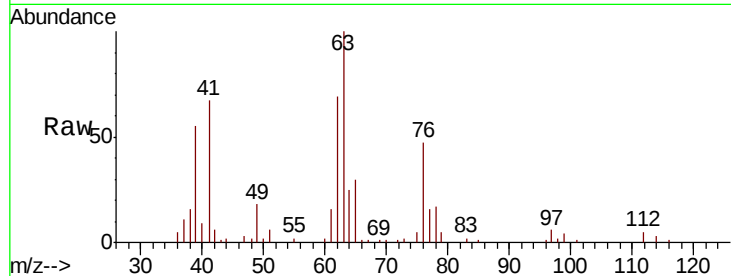
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 63 Resp: 38055

Ion Ratio Lower Upper

63 100

112 4.8 3.6 5.4



Abundance Ion 63.10 (62.80 to 63.80): VV015590.D (-1495) (-)

Ion 112.10 (111.80 to 112.80): VV015590.D (-1495) (-)

6.20

20000

15000

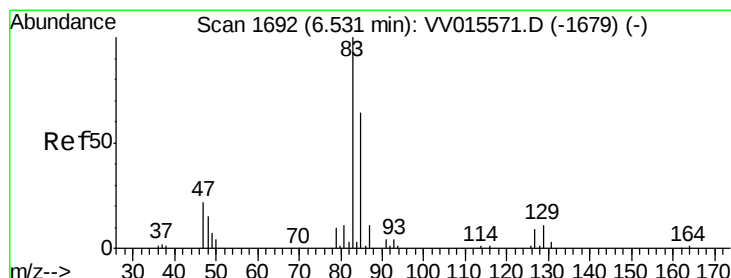
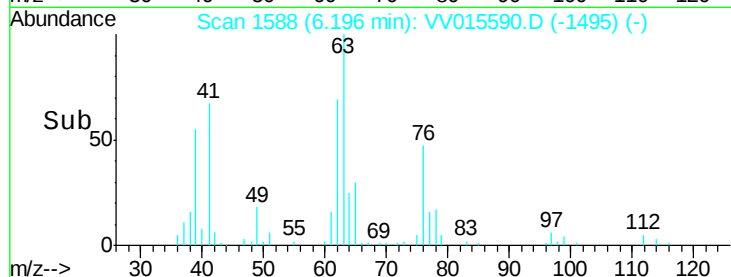
10000

5000

0

6.10 6.20 6.30

Time-->



#38

Bromodichloromethane

Concen: 5.066 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VV015590.D

Acq: 20 Apr 2020 18:48

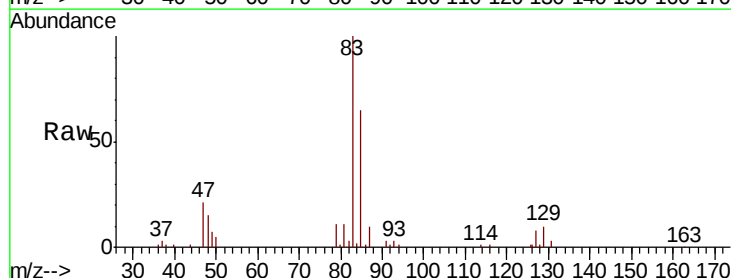
Tgt Ion: 83 Resp: 47430

Ion Ratio Lower Upper

83 100

85 64.7 42.6 79.2

127 8.2 6.6 9.8



Abundance Ion 82.95 (82.65 to 83.65): VV015590.D (-1599) (-)

Ion 85.00 (84.70 to 85.70): VV015590.D (-1599) (-)

Ion 126.90 (126.60 to 127.60): VV015590.D (-1599) (-)

6.53

30000

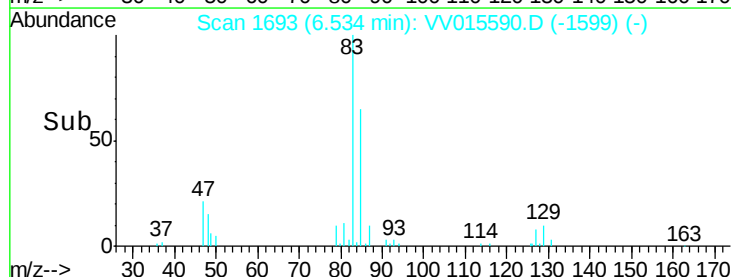
20000

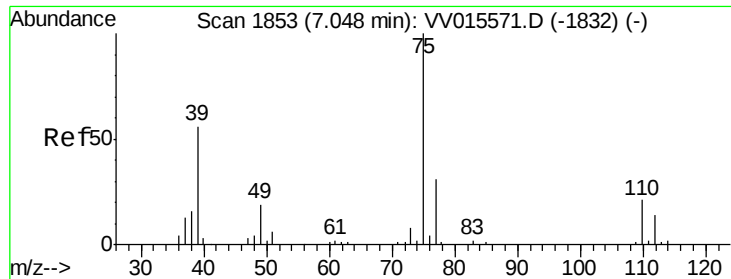
10000

0

6.45 6.50 6.55 6.60 6.65

Time-->

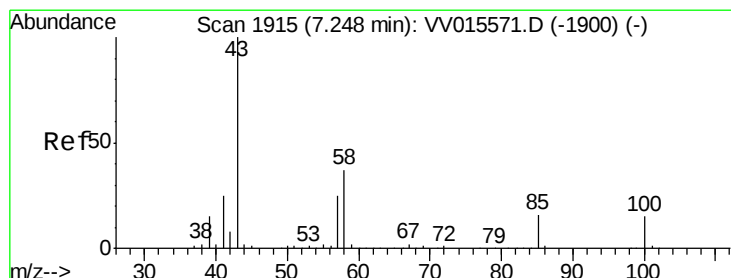
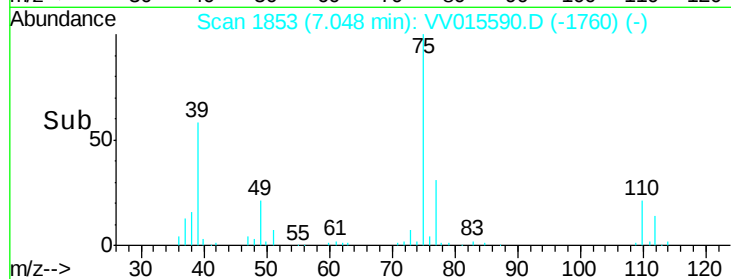
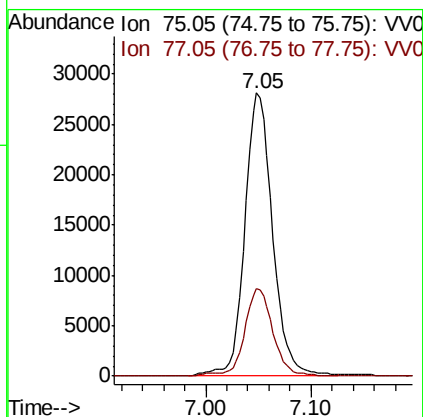
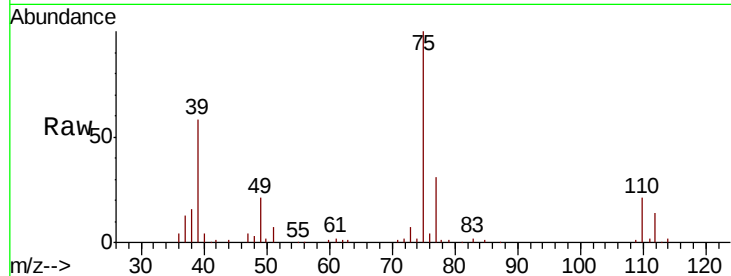




#39
 cis-1,3-Dichloropropene
 Concen: 4.796 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV015590.D
 Acq: 20 Apr 2020 18:48

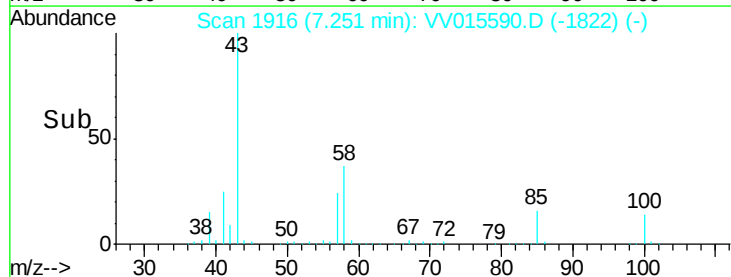
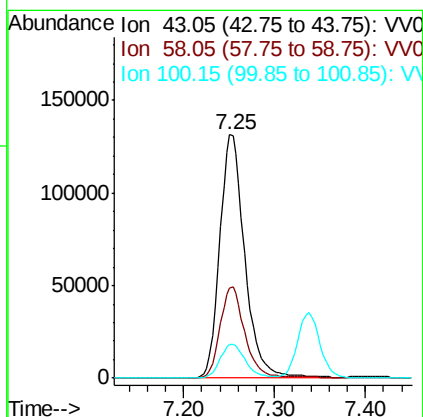
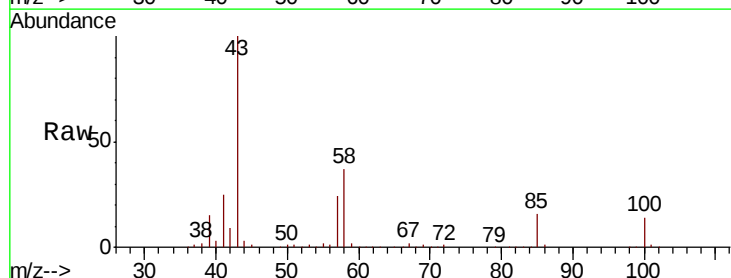
Instrument :
 MSVOA_V
 ClientSampleId :

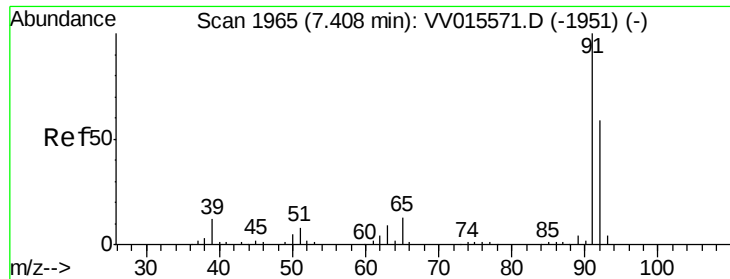
Tot Ion: 75 Resp: 51673
 Ion Ratio Lower Upper
 75 100
 77 30.7 23.0 42.6



#40
 4-Methyl-2-pentanone
 Concen: 54.583 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VV015590.D
 Acq: 20 Apr 2020 18:48

Tgt Ion: 43 Resp: 251620
 Ion Ratio Lower Upper
 43 100
 58 36.8 29.0 43.6
 100 13.9 11.0 16.6





#42

Toluene

Concen: 5.206 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV015590.D

Acq: 20 Apr 2020 18:48

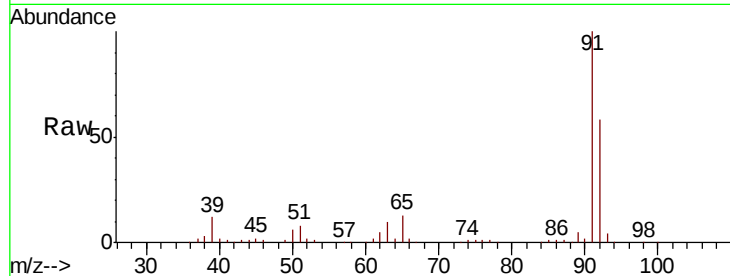
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 159995

Ion Ratio Lower Upper

91 100

92 58.2 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.41

100000

80000

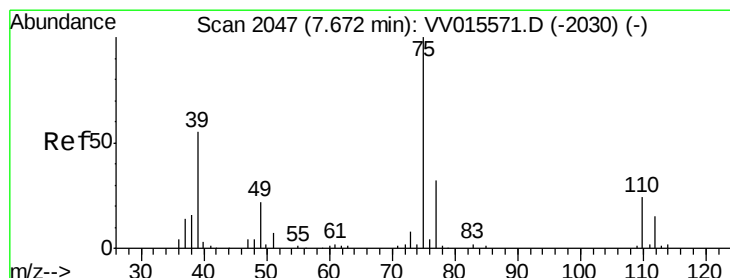
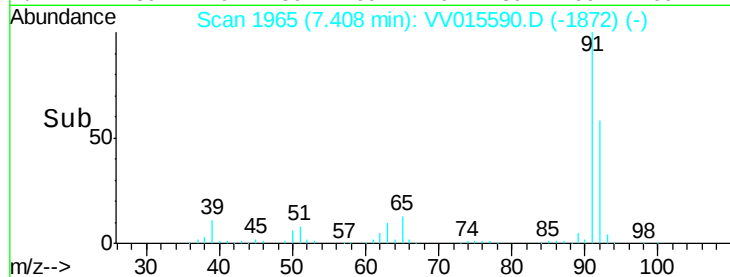
60000

40000

20000

0

Time--> 7.30 7.40 7.50



#44

trans-1,3-Dichloropropene

Concen: 4.747 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV015590.D

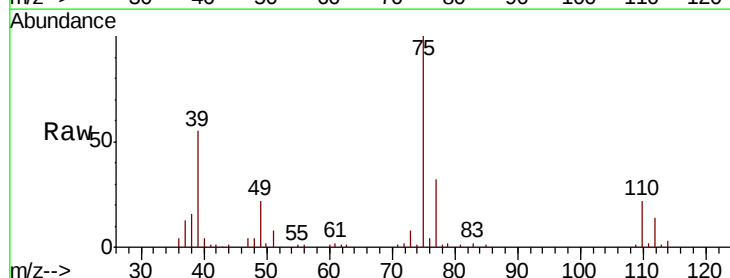
Acq: 20 Apr 2020 18:48

Tgt Ion: 75 Resp: 43245

Ion Ratio Lower Upper

75 100

77 31.6 21.0 39.0



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.67

25000

20000

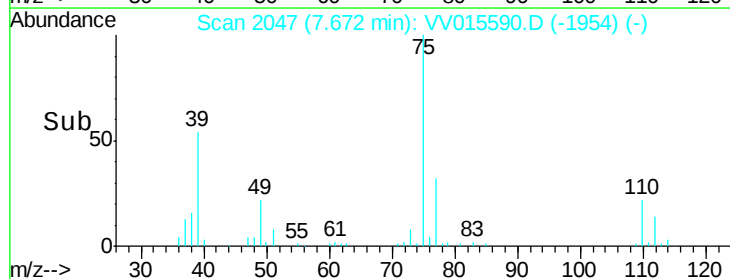
15000

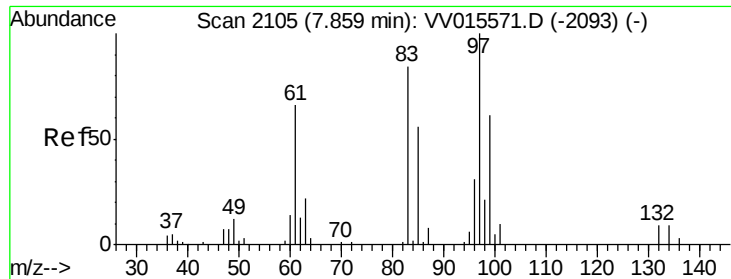
10000

5000

0

Time--> 7.60 7.70 7.80

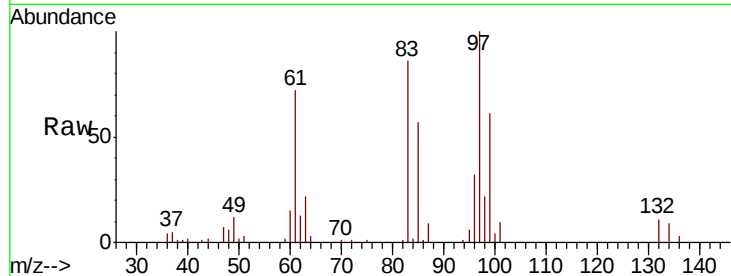




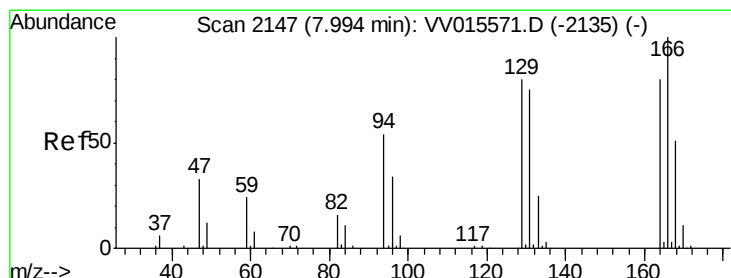
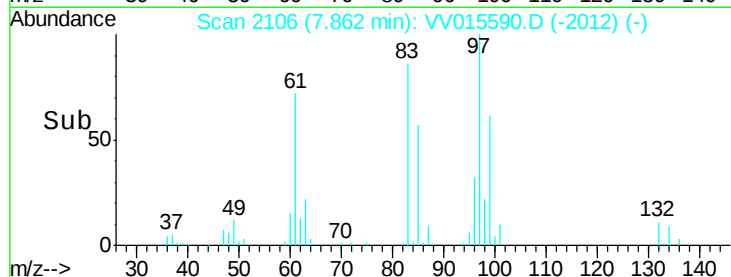
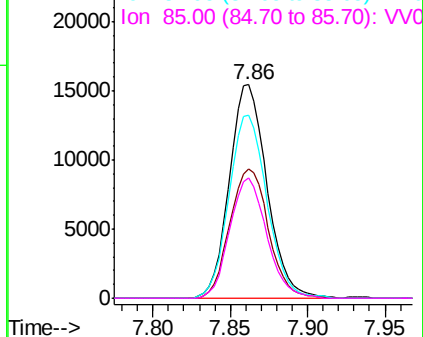
#45
1,1,2-Trichloroethane
Concen: 5.530 ug/L
RT: 7.86 min Scan# 2106
Delta R.T. 0.00 min
Lab File: VV015590.D
Acq: 20 Apr 2020 18:48

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:	97	Resp:	26095
Ion	Ratio	Lower	Upper
97	100		
99	60.6	41.3	76.7
83	86.0	60.5	112.3
85	56.6	36.8	68.4

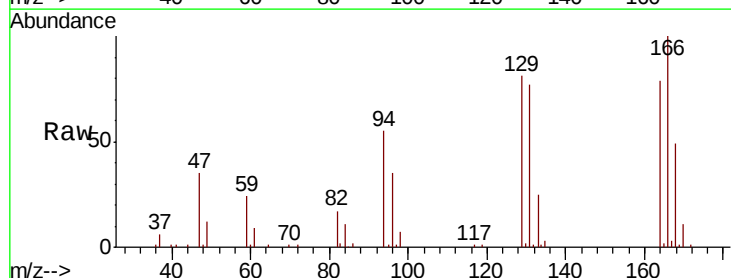


Abundance Ion 96.95 (96.65 to 97.65): VV015590.D (-2102) (-)
Ion 99.05 (98.75 to 99.75): VV015590.D (-2102) (-)
Ion 82.95 (82.65 to 83.65): VV015590.D (-2102) (-)
Ion 85.00 (84.70 to 85.70): VV015590.D (-2102) (-)

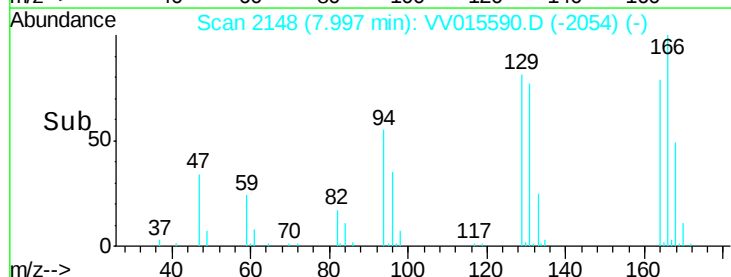
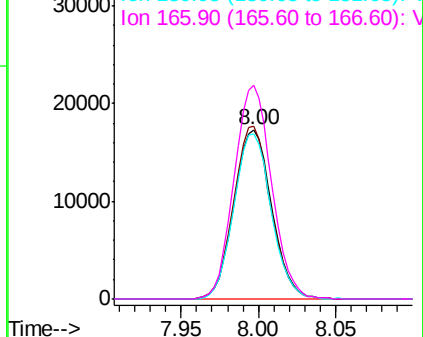


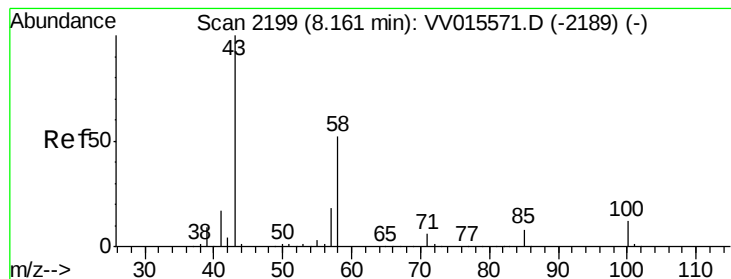
#47
Tetrachloroethene
Concen: 5.202 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV015590.D
Acq: 20 Apr 2020 18:48

Tgt Ion:	164	Resp:	29362
Ion	Ratio	Lower	Upper
164	100		
129	102.4	70.6	131.0
131	97.5	68.3	126.8
166	126.1	88.3	163.9



Abundance Ion 163.90 (163.60 to 164.60): VV015590.D (-2054) (-)
Ion 128.95 (128.65 to 129.65): VV015590.D (-2054) (-)
Ion 130.95 (130.65 to 131.65): VV015590.D (-2054) (-)
Ion 165.90 (165.60 to 166.60): VV015590.D (-2054) (-)





#48

2-Hexanone

Concen: 55.577 ug/L

RT: 8.16 min Scan# 2200

Delta R.T. 0.00 min

Lab File: VV015590.D

Acq: 20 Apr 2020 18:48

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 179011

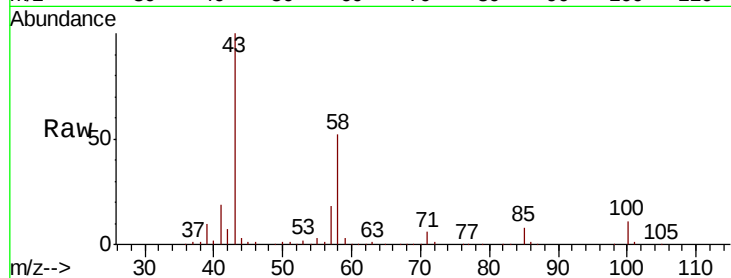
Ion Ratio Lower Upper

43 100

58 50.9 41.4 62.0

57 18.9 15.0 22.4

100 11.1 9.4 14.2

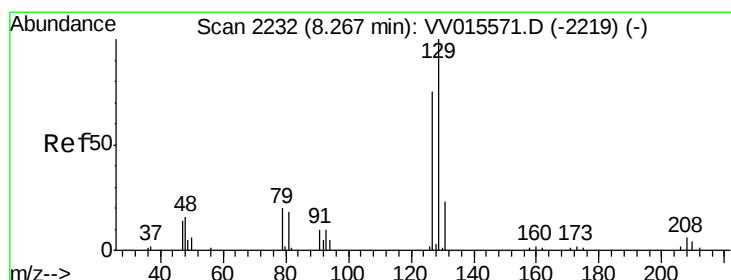
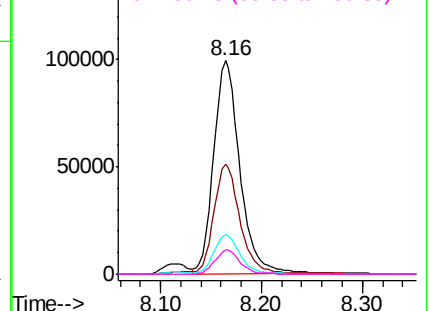
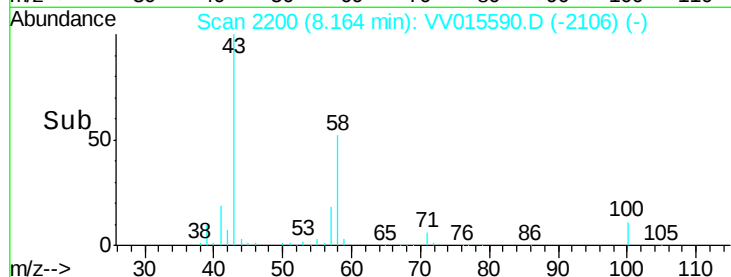


Abundance Ion 43.05 (42.75 to 43.75): VV015590.D (-2106) (-)

Ion 58.05 (57.75 to 58.75): VV015590.D (-2106) (-)

Ion 57.20 (56.90 to 57.90): VV015590.D (-2106) (-)

Ion 100.15 (99.85 to 100.85): VV015590.D (-2106) (-)



#49

Dibromochloromethane

Concen: 4.643 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. 0.00 min

Lab File: VV015590.D

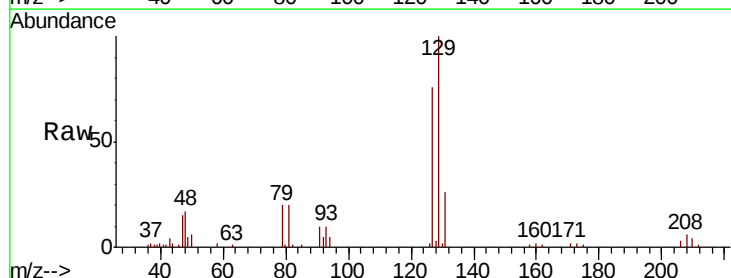
Acq: 20 Apr 2020 18:48

Tgt Ion: 129 Resp: 26246

Ion Ratio Lower Upper

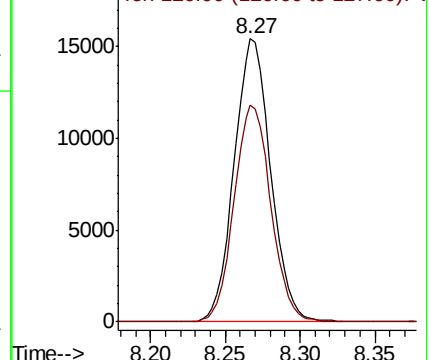
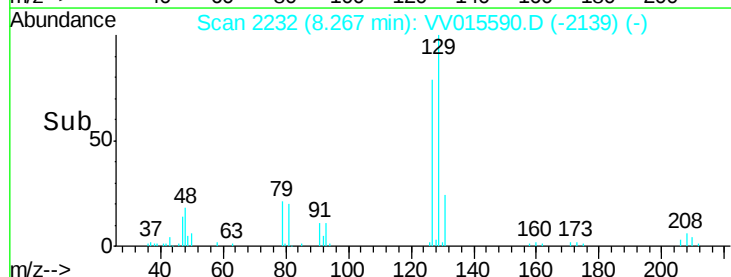
129 100

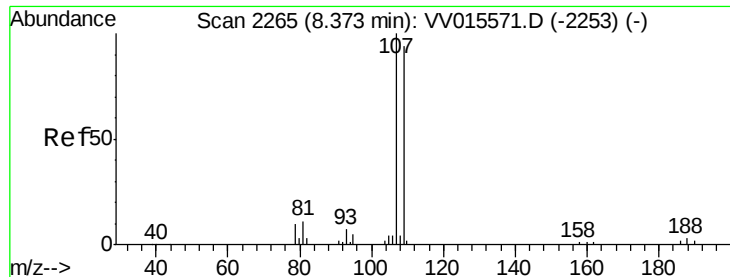
127 76.4 54.7 101.7



Abundance Ion 128.95 (128.65 to 129.65): VV015590.D (-2139) (-)

Ion 126.90 (126.60 to 127.60): VV015590.D (-2139) (-)

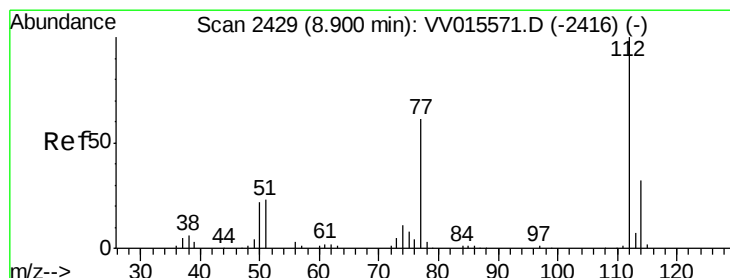
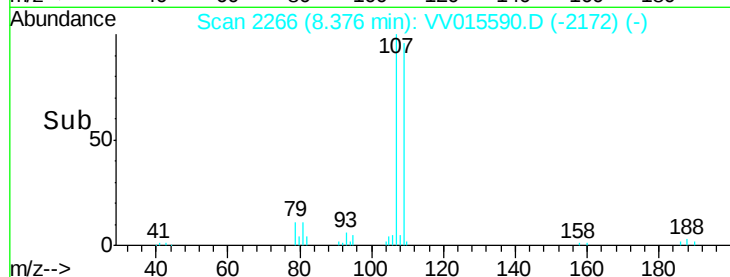
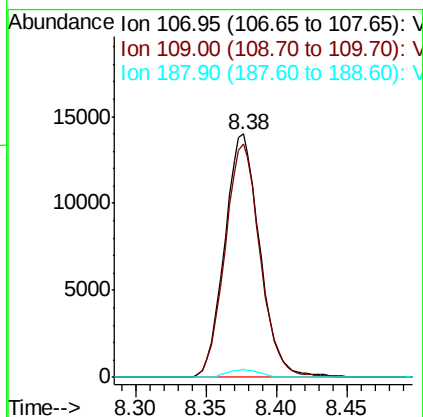
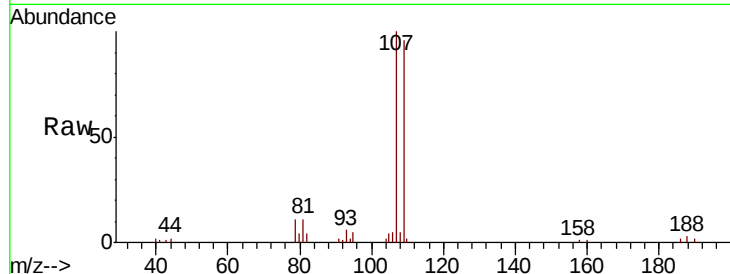




#50
1,2-Dibromoethane
Concen: 5.386 ug/L
RT: 8.38 min Scan# 2266
Delta R.T. 0.00 min
Lab File: VV015590.D
Acq: 20 Apr 2020 18:48

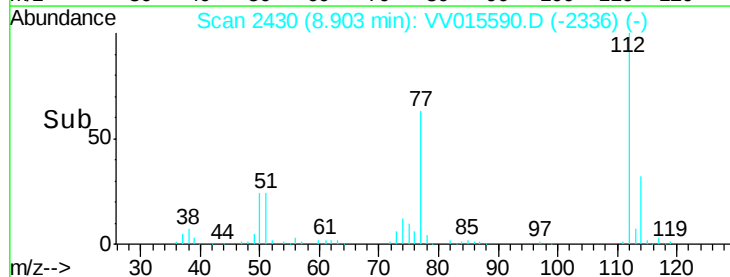
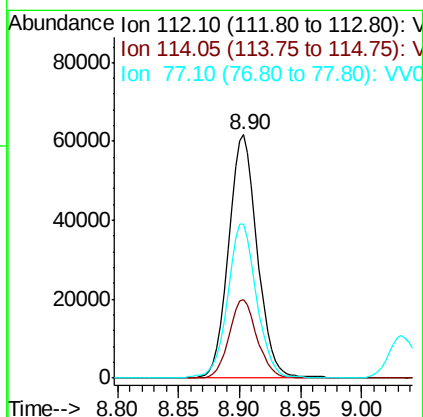
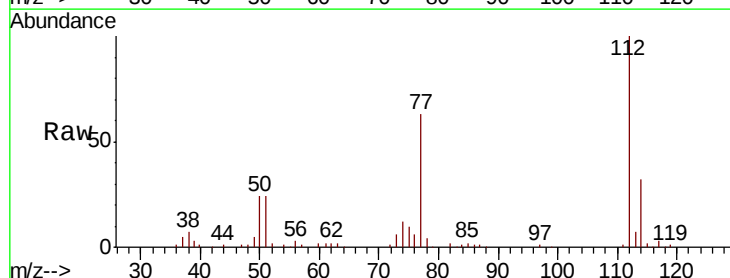
Instrument :
MSVOA_V
ClientSampleId :

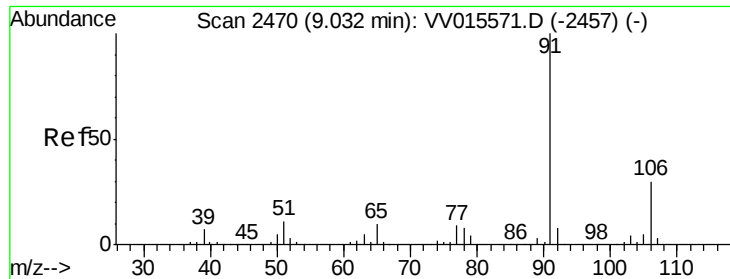
Tot Ion:107 Resp: 24358
Ion Ratio Lower Upper
107 100
109 95.6 66.7 123.9
188 3.2 2.9 4.3



#51
Chlorobenzene
Concen: 5.179 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV015590.D
Acq: 20 Apr 2020 18:48

Tgt Ion:112 Resp: 101454
Ion Ratio Lower Upper
112 100
114 32.2 22.9 42.5
77 63.1 49.8 74.8





#52

Ethylbenzene

Concen: 5.177 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV015590.D

Acq: 20 Apr 2020 18:48

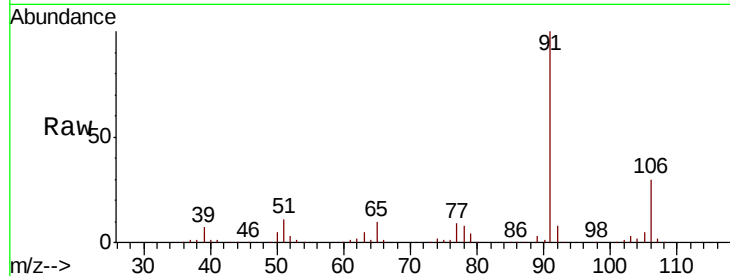
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 183144

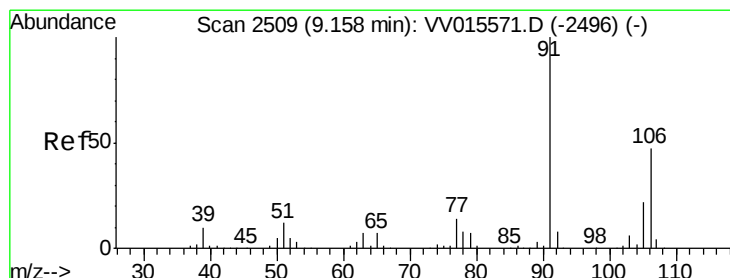
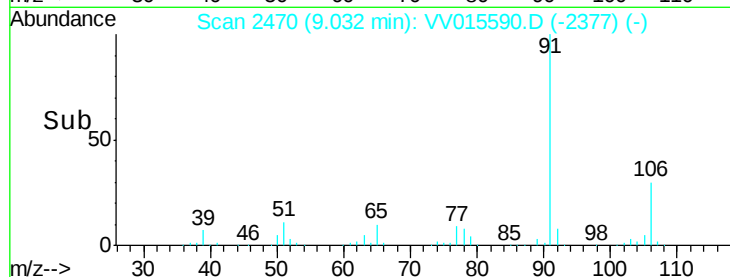
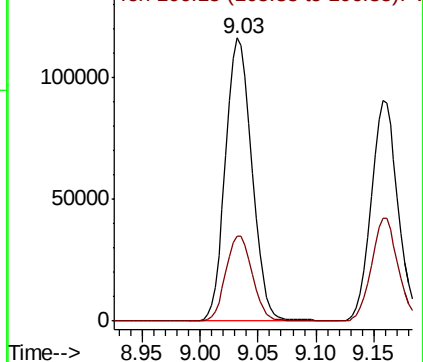
Ion Ratio Lower Upper

91 100

106 30.0 20.8 38.6



Abundance Ion 91.15 (90.85 to 91.85): VV015590.D (-2377) (-)



#53

m,p-xylene

Concen: 5.086 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV015590.D

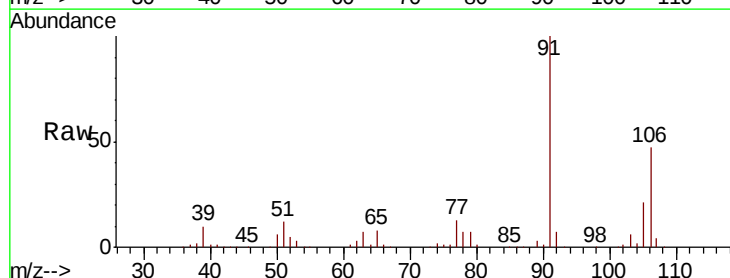
Acq: 20 Apr 2020 18:48

Tgt Ion: 106 Resp: 67949

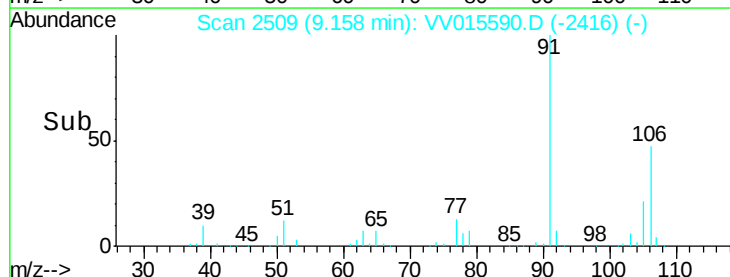
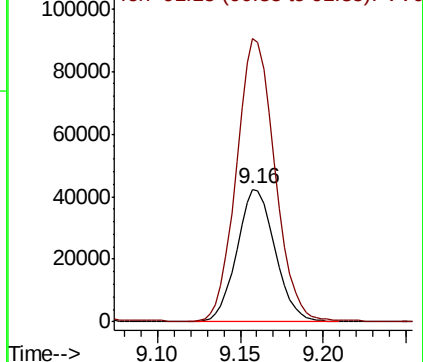
Ion Ratio Lower Upper

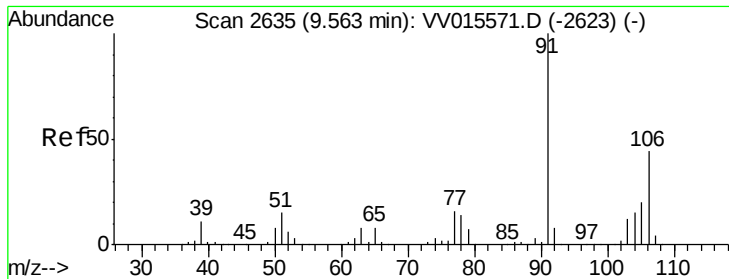
106 100

91 212.9 147.9 274.7



Abundance Ion 106.15 (105.85 to 106.85): VV015590.D (-2416) (-)





#54

o-xylene

Concen: 5.088 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV015590.D

Acq: 20 Apr 2020 18:48

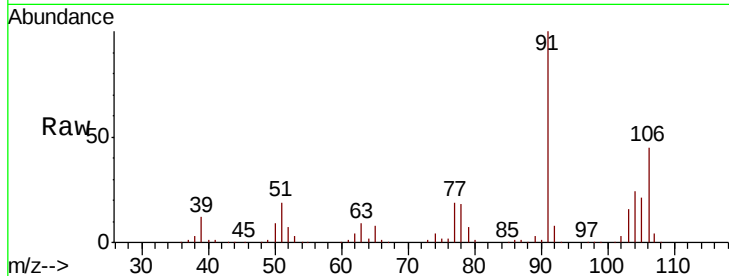
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 65801

Ion Ratio Lower Upper

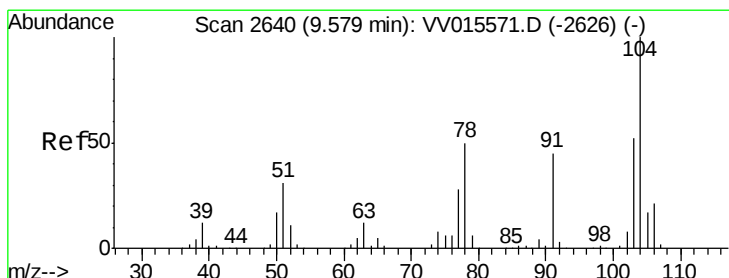
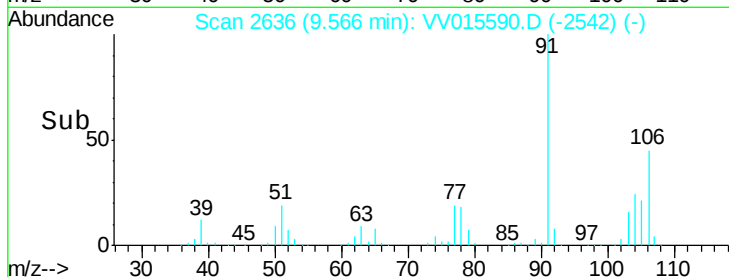
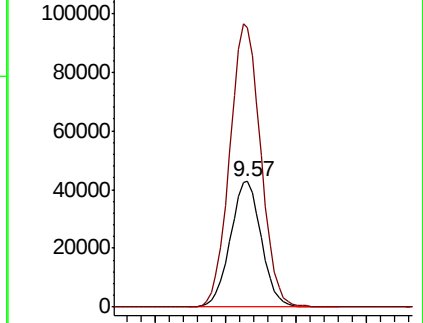
106 100

91 222.5 154.5 286.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.155 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV015590.D

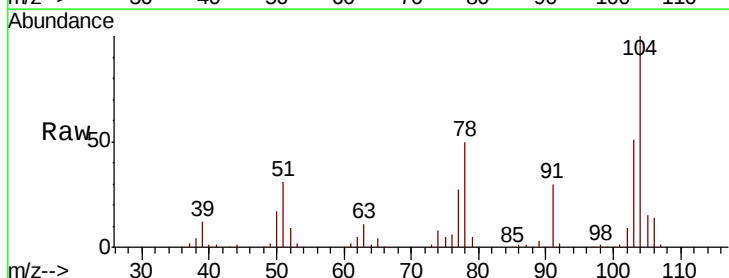
Acq: 20 Apr 2020 18:48

Tgt Ion:104 Resp: 112045

Ion Ratio Lower Upper

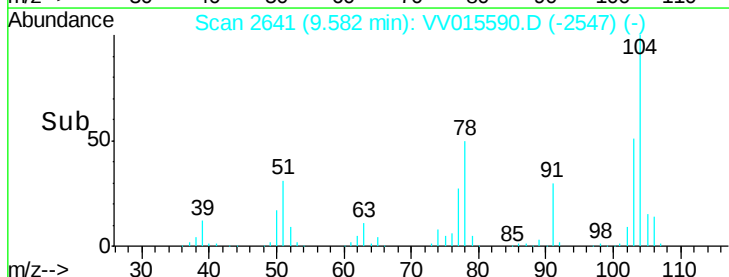
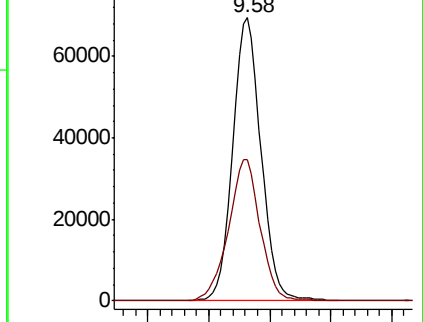
104 100

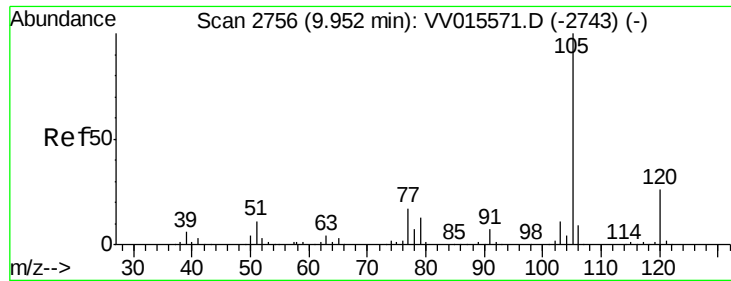
78 49.7 33.5 62.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.114 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV015590.D

Acq: 20 Apr 2020 18:48

Instrument :
MSVOA_V
ClientSampled :

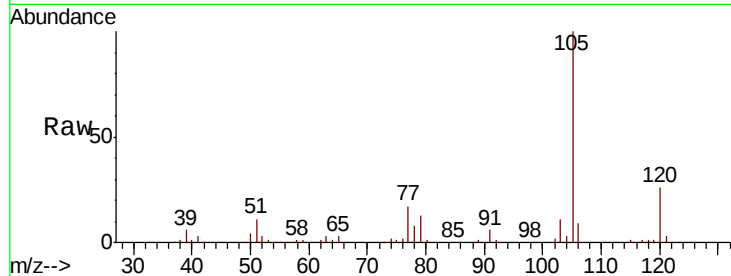
Tot Ion:105 Resp: 181305

Ion Ratio Lower Upper

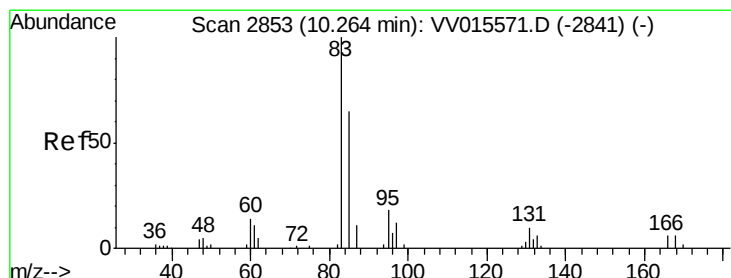
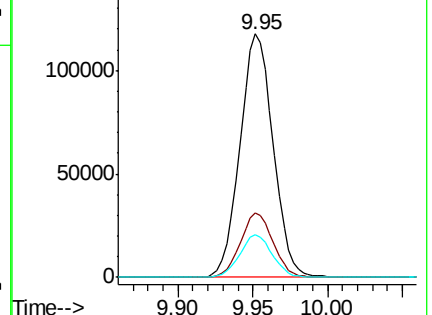
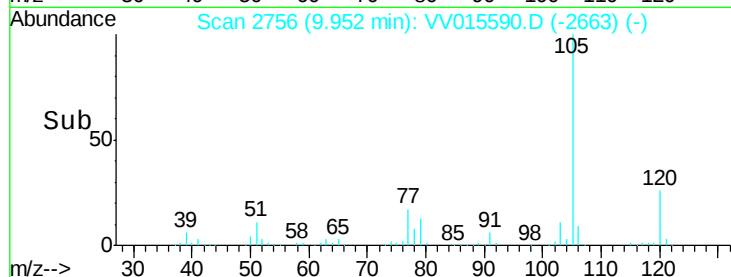
105 100

120 26.0 20.7 31.1

77 17.2 13.5 20.3



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: 5.373 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV015590.D

Acq: 20 Apr 2020 18:48

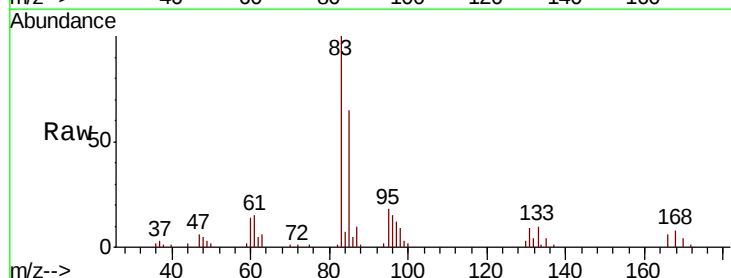
Tgt Ion: 83 Resp: 30860

Ion Ratio Lower Upper

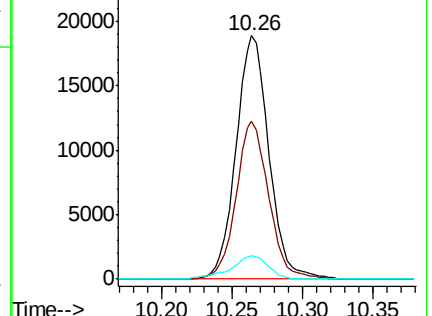
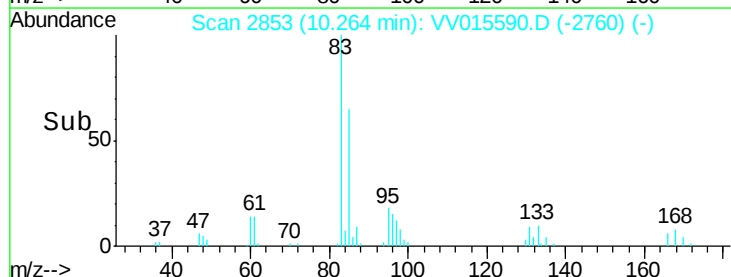
83 100

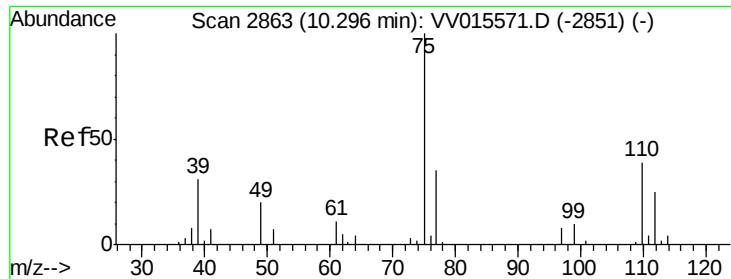
85 64.8 44.5 82.7

131 9.4 7.5 11.3



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

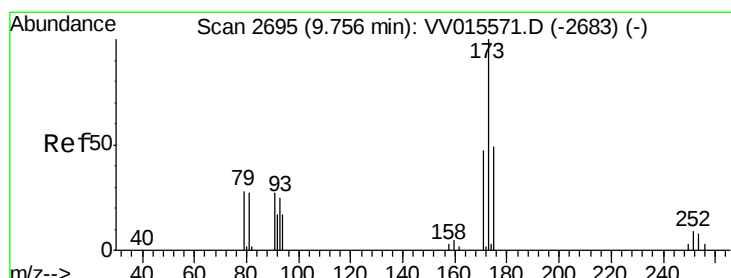
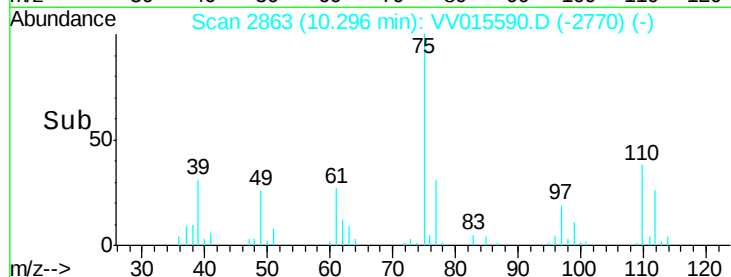
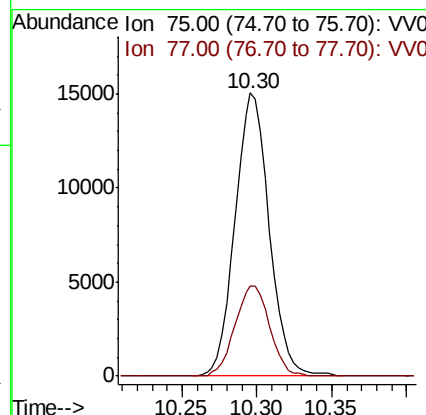
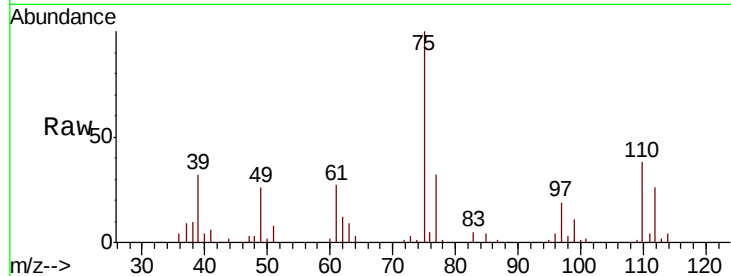




#59
 1,2,3-Trichloropropane
 Concen: 5.507 ug/L
 RT: 10.30 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VV015590.D
 Acq: 20 Apr 2020 18:48

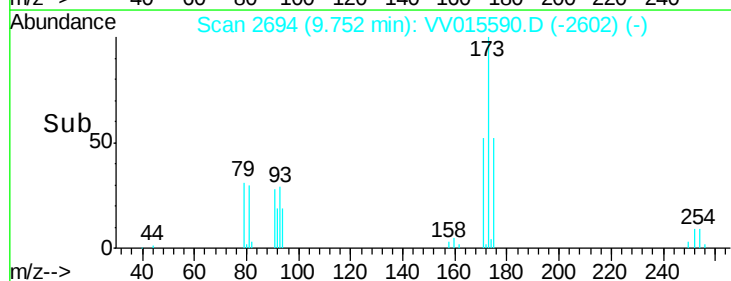
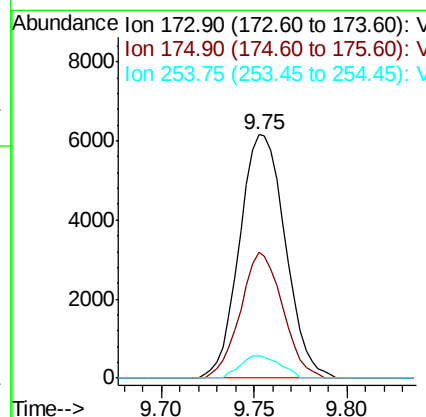
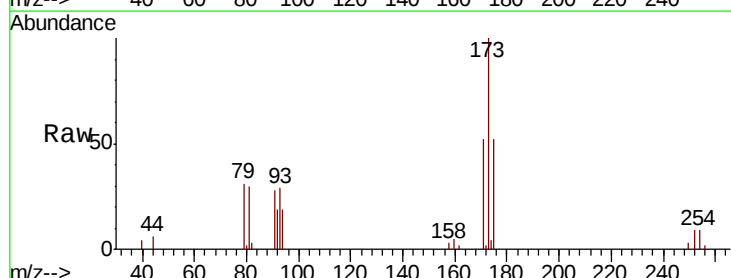
Instrument :
 MSVOA_V
 ClientSampleId :

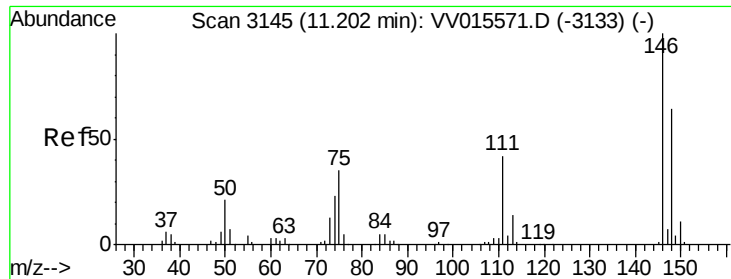
Tot Ion: 75 Resp: 23904
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.4 38.0



#61
 Bromoform
 Concen: 3.643 ug/L
 RT: 9.75 min Scan# 2694
 Delta R.T. -0.00 min
 Lab File: VV015590.D
 Acq: 20 Apr 2020 18:48

Tgt Ion:173 Resp: 10561
 Ion Ratio Lower Upper
 173 100
 175 47.7 38.2 57.2
 254 7.9 6.6 10.0





#62

1,3-Dichlorobenzene

Concen: 5.150 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV015590.D

Acq: 20 Apr 2020 18:48

Instrument :

MSVOA_V

ClientSampleId :

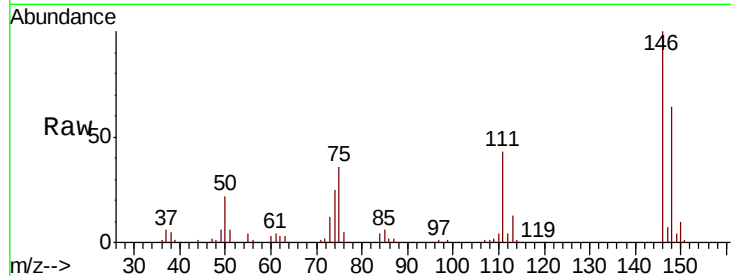
Tot Ion:146 Resp: 82060

Ion Ratio Lower Upper

146 100

111 42.5 29.3 54.5

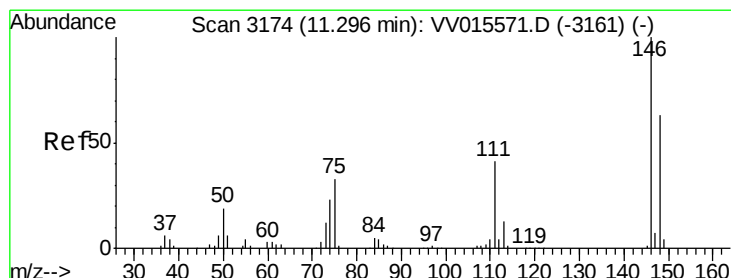
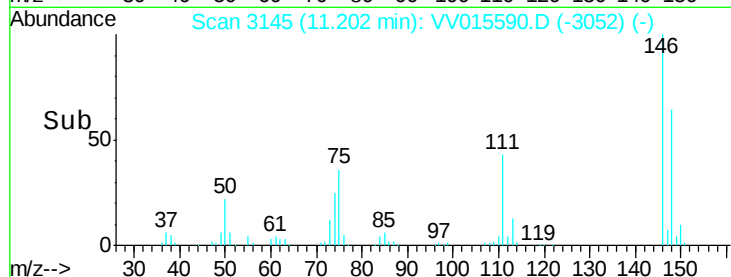
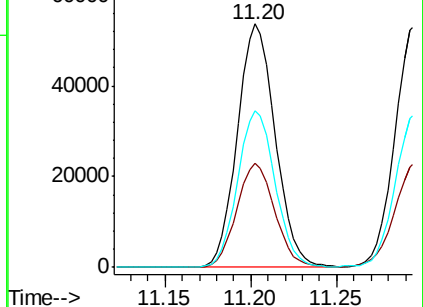
148 64.4 42.4 78.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.097 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV015590.D

Acq: 20 Apr 2020 18:48

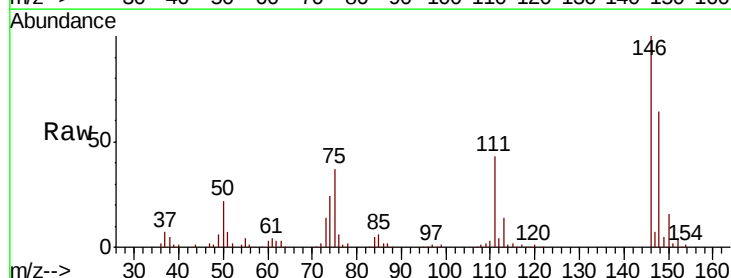
Tgt Ion:146 Resp: 82655

Ion Ratio Lower Upper

146 100

111 43.0 29.4 54.6

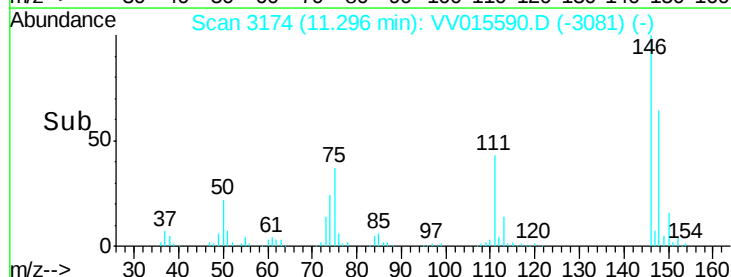
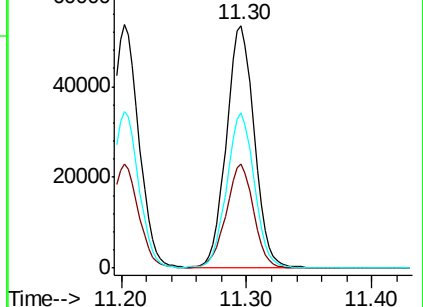
148 63.9 44.3 82.3

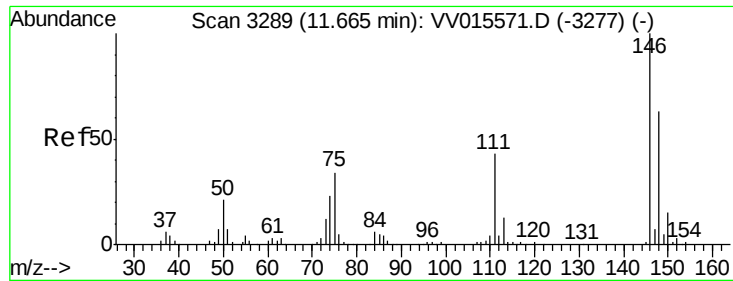


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.162 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV015590.D

Acq: 20 Apr 2020 18:48

Instrument :

MSVOA_V

ClientSampleId :

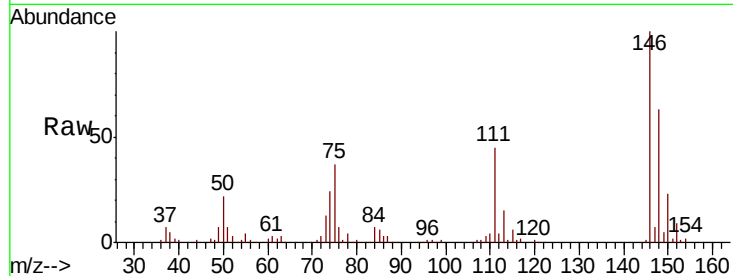
Tot Ion:146 Resp: 74996

Ion Ratio Lower Upper

146 100

111 45.0 35.8 53.6

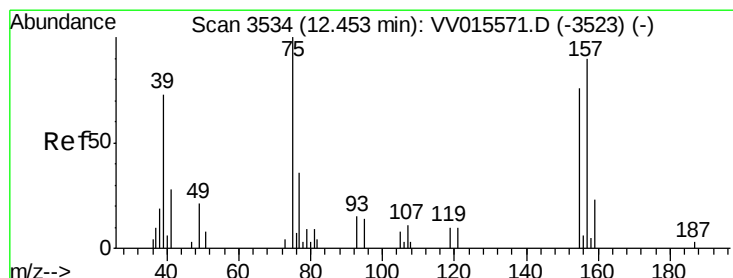
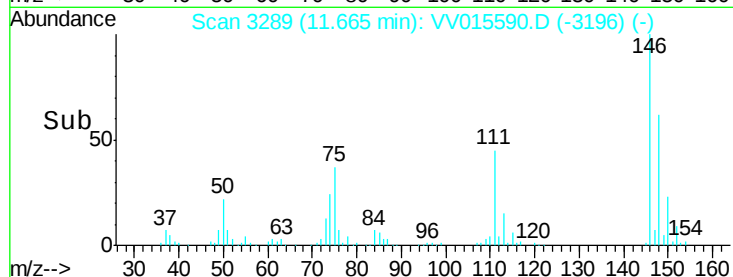
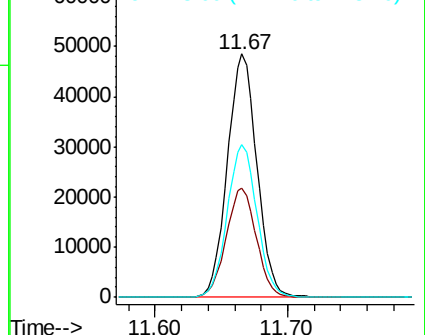
148 62.5 50.2 75.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.601 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV015590.D

Acq: 20 Apr 2020 18:48

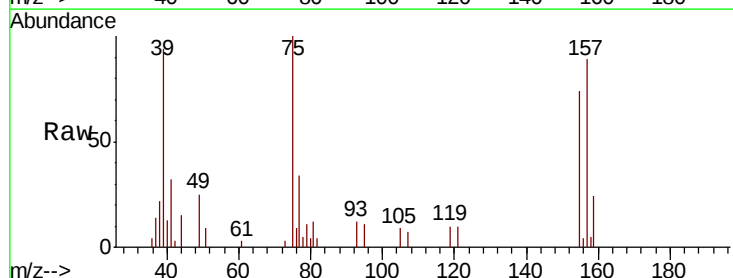
Tgt Ion: 75 Resp: 5115

Ion Ratio Lower Upper

75 100

155 74.2 60.8 91.2

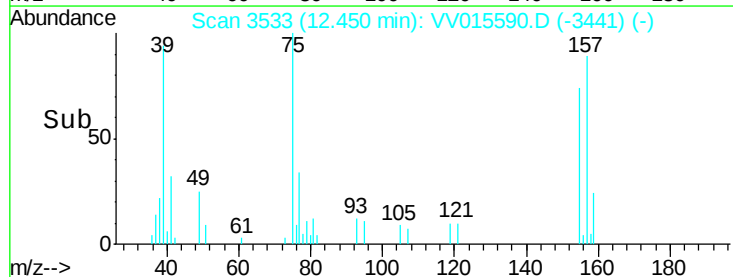
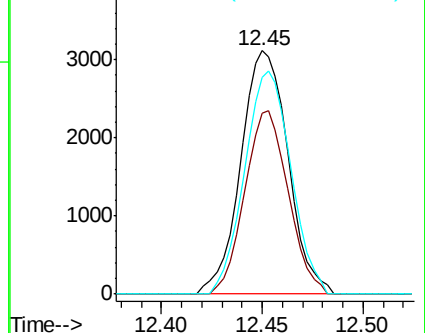
157 88.8 75.7 113.5

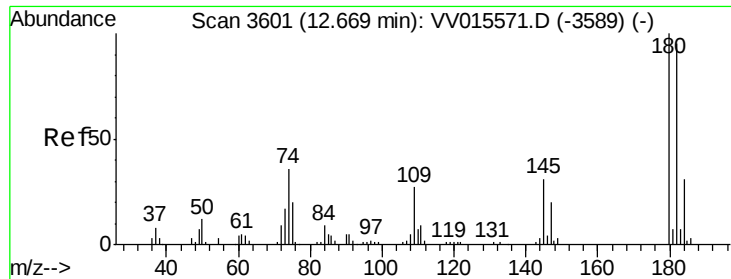


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

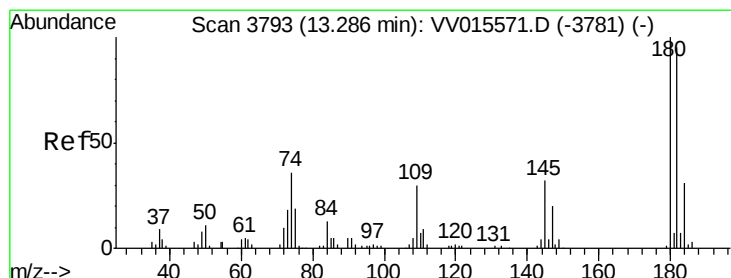
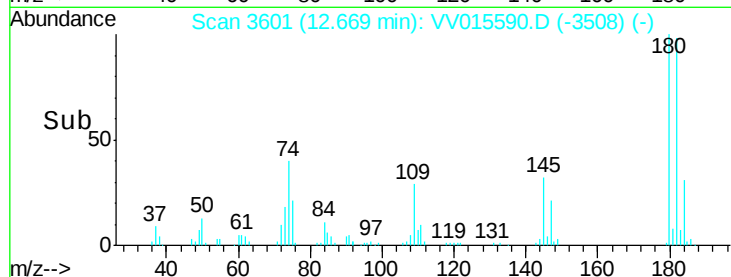
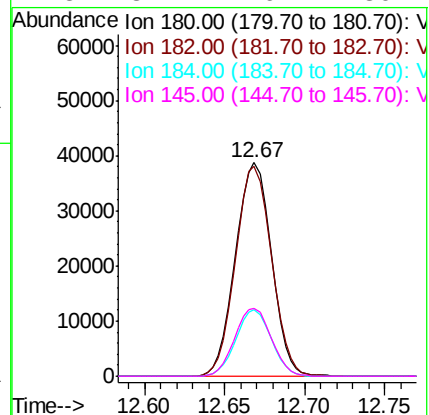
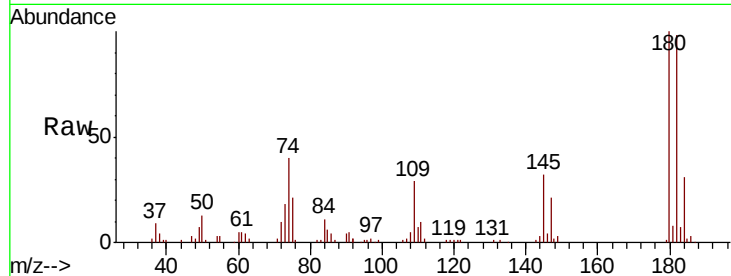




#67
 1,3,5-Trichlorobenzene
 Concen: 5.170 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV015590.D
 Acq: 20 Apr 2020 18:48

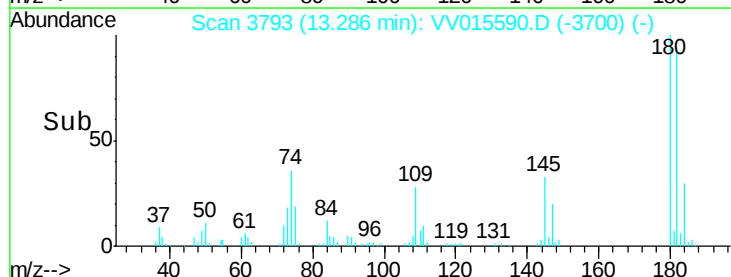
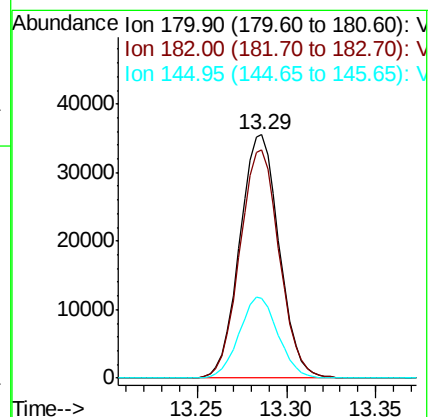
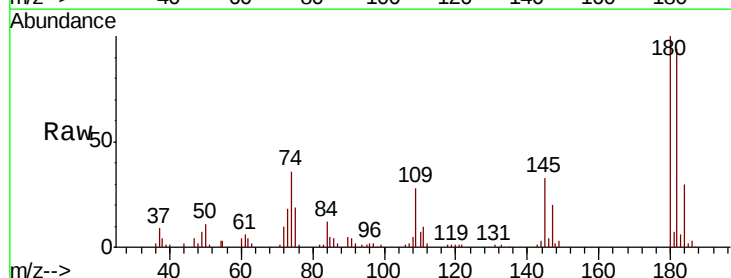
Instrument :
 MSVOA_V
 ClientSampleId :

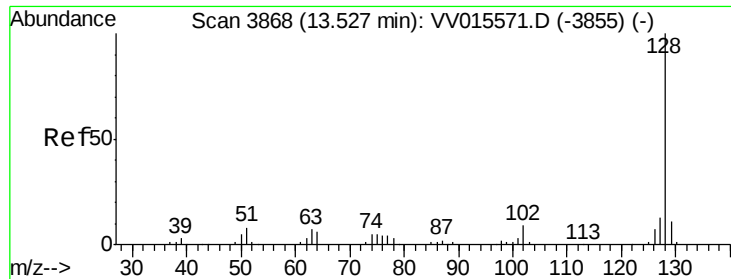
Tot Ion:180 Resp: 59531
 Ion Ratio Lower Upper
 180 100
 182 98.3 76.9 115.3
 184 30.5 24.0 36.0
 145 32.2 26.1 39.1



#68
 1,2,4-trichlorobenzene
 Concen: 5.289 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV015590.D
 Acq: 20 Apr 2020 18:48

Tgt Ion:180 Resp: 54860
 Ion Ratio Lower Upper
 180 100
 182 93.9 76.6 115.0
 145 32.6 25.9 38.9





#69

Naphthalene

Concen: 4.993 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV015590.D

Acq: 20 Apr 2020 18:48

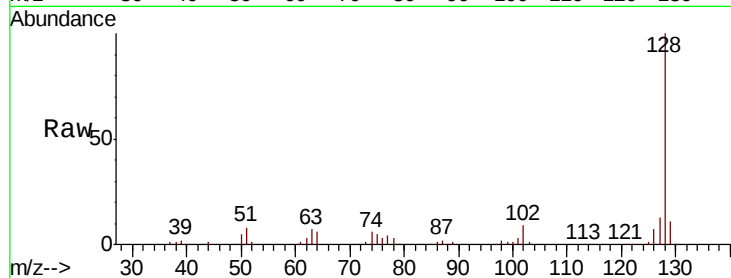
Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:128 Resp: 97580

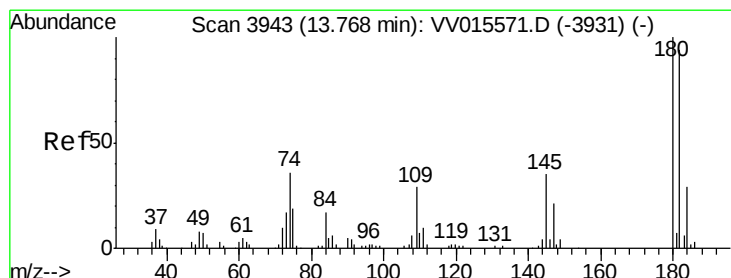
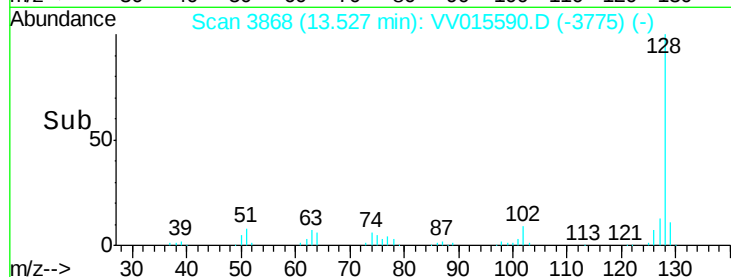
Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	13.0
127	12.9	10.4	15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.332 ug/L

RT: 13.77 min Scan# 3943

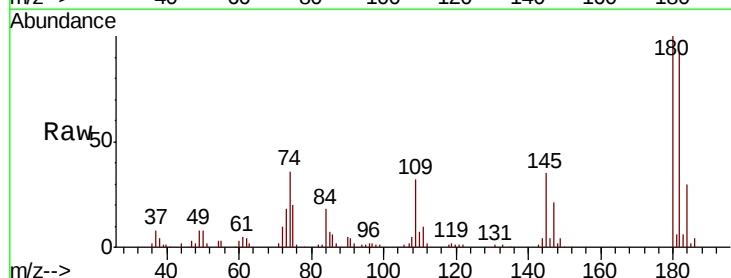
Delta R.T. 0.00 min

Lab File: VV015590.D

Acq: 20 Apr 2020 18:48

Tgt Ion:180 Resp: 48857

Ion	Ratio	Lower	Upper
180	100		
182	93.7	76.4	114.6
145	34.8	28.2	42.2



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

