

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040920\
 Data File : VV015414.D
 Acq On : 09 Apr 2020 12:19
 Operator : SY/MD
 Sample : VSTD00135
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 10 02:23:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Apr 10 02:18:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	114471	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	107108	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	53722	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	5710	0.73	ug/L	0.00
7) Chloroethane-d5	1.57	69	5188	0.72	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	12275	0.69	ug/L	0.00
20) 2-Butanone-d5	3.99	46	15190	8.22	ug/L	0.00
24) Chloroform-d	4.38	84	12264	0.78	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	6684	0.93	ug/L	0.00
32) Benzene-d6	5.08	84	22964	0.95	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	7174	0.94	ug/L	0.00
41) Toluene-d8	7.34	98	20827	0.85	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.65	79	2947	0.92	ug/L	0.00
46) 2-Hexanone-d5	8.12	63	13882	9.85	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	5504	0.95	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	8301	0.91	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	11286	1.045 ug/L	98
3) Chloromethane	1.25	50	10775	0.968 ug/L	99
5) Vinyl chloride	1.32	62	9961	0.867 ug/L	96
6) Bromomethane	1.53	94	5621	0.778 ug/L	98
8) Chloroethane	1.59	64	5777	0.847 ug/L	95
9) Trichlorofluoromethane	1.76	101	13213	0.806 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	7515	0.737 ug/L	98
12) 1,1-Dichloroethene	2.13	96	6946	0.712 ug/L	91
13) Acetone	2.24	43	5252	4.142 ug/L	84
14) Carbon disulfide	2.30	76	23877	0.761 ug/L	100
15) Methyl Acetate	2.47	43	2328	0.596 ug/L #	83
16) Methylene chloride	2.52	84	8216	0.709 ug/L	99
17) Methyl tert-butyl Ether	2.79	73	18693	0.839 ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	7895	0.766 ug/L	98
19) 1,1-Dichloroethane	3.21	63	14776	0.824 ug/L	99
21) 2-Butanone	4.06	43	11748	5.680 ug/L #	80
22) cis-1,2-Dichloroethene	3.94	96	7891	0.746 ug/L	97
23) Bromochloromethane	4.27	128	3368	0.777 ug/L	95
25) Chloroform	4.40	83	15082	0.749 ug/L	93
27) 1,2-Dichloroethane	5.16	62	9676	1.070 ug/L	100
29) 1,1,1-Trichloroethane	4.63	97	13651	0.843 ug/L	99
30) Cyclohexane	4.70	56	14539	0.929 ug/L	99
31) Carbon tetrachloride	4.85	117	11841	0.847 ug/L	97
33) Benzene	5.12	78	30767	1.070 ug/L	100
34) Trichloroethene	5.94	95	8766	1.078 ug/L	91
35) Methylcyclohexane	6.15	83	14219	1.005 ug/L	98
37) 1,2-Dichloropropane	6.20	63	7785	1.121 ug/L #	97
38) Bromodichloromethane	6.53	83	10089	1.054 ug/L	94
39) cis-1,3-Dichloropropene	7.05	75	11656	1.067 ug/L	96
40) 4-Methyl-2-pentanone	7.26	43	49271	12.179 ug/L	100

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 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 4 Sample Multiplier: 1

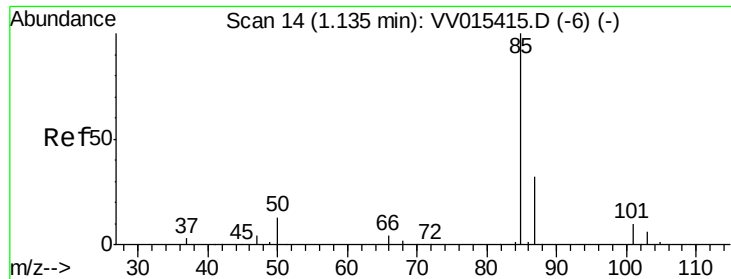
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 10 02:23:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Apr 10 02:18:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.41	91	33050	0.971	ug/L	96
44) trans-1,3-Dichloropropene	7.68	75	9657	1.037	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	5181	1.001	ug/L	96
47) Tetrachloroethene	8.00	164	6392	1.067	ug/L	94
48) 2-Hexanone	8.17	43	33849	11.783	ug/L	97
49) Dibromochloromethane	8.27	129	5790	0.946	ug/L	100
50) 1,2-Dibromoethane	8.38	107	4945	1.005	ug/L #	100
51) Chlorobenzene	8.90	112	21272	0.967	ug/L	96
52) Ethylbenzene	9.04	91	38408	0.978	ug/L	98
53) m,p-xylene	9.16	106	14455	0.956	ug/L	96
54) o-xylene	9.57	106	13864	0.947	ug/L	99
55) Styrene	9.58	104	22617	0.934	ug/L	98
56) Isopropylbenzene	9.95	105	39567	1.007	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.27	83	6100	1.020	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	4561	1.009	ug/L	93
61) Bromoform	9.75	173	2928	1.033	ug/L #	97
62) 1,3-Dichlorobenzene	11.21	146	16864	0.953	ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	17475	0.984	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	15156	0.960	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.46	75	1110	0.971	ug/L	96
67) 1,3,5-Trichlorobenzene	12.67	180	12178	0.987	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	10894	1.000	ug/L	97
69) Naphthalene	13.53	128	19403	0.774	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	9327	0.993	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 1.045 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV015414.D

Acq: 09 Apr 2020 12:19

Instrument :

MSVOA_V

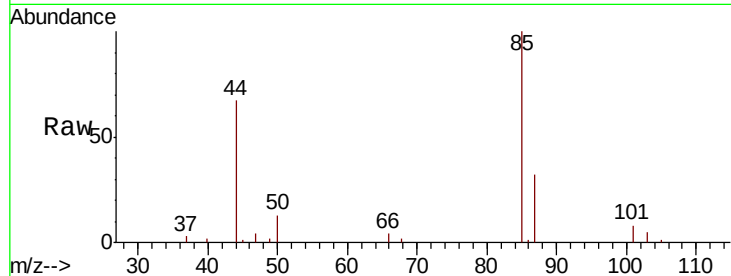
ClientSampleId :

Tot Ion: 85 Resp: 11286

Ion Ratio Lower Upper

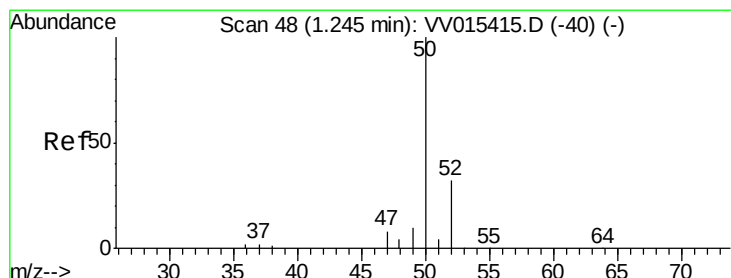
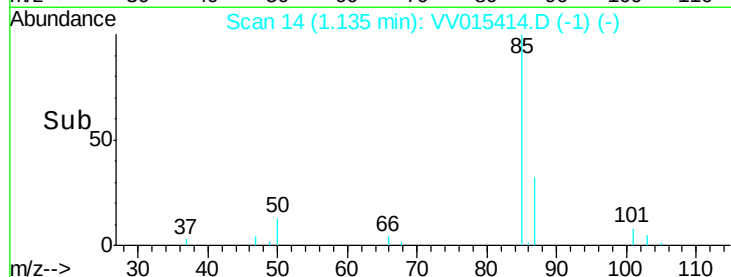
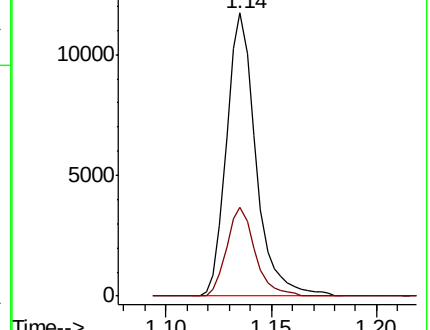
85 100

87 30.3 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: 0.968 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV015414.D

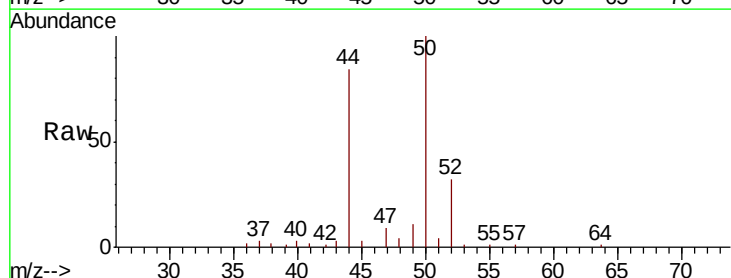
Acq: 09 Apr 2020 12:19

Tgt Ion: 50 Resp: 10775

Ion Ratio Lower Upper

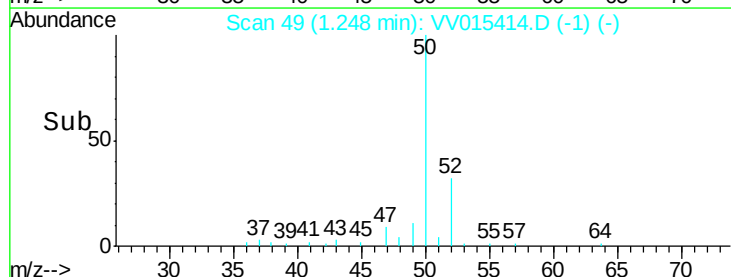
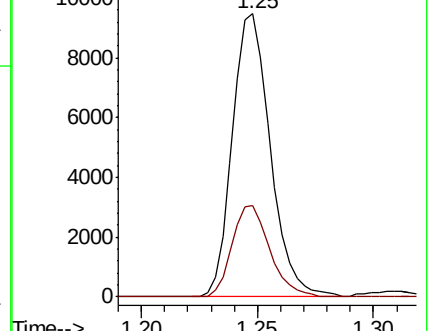
50 100

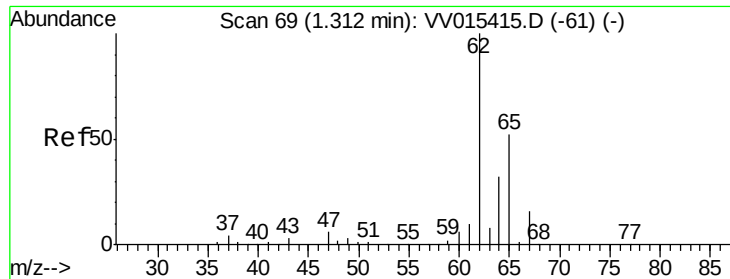
52 32.1 22.7 42.1



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 0.867 ug/L

RT: 1.32 min Scan# 70

Delta R.T. 0.00 min

Lab File: VV015414.D

Acq: 09 Apr 2020 12:19

Instrument :

MSVOA_V

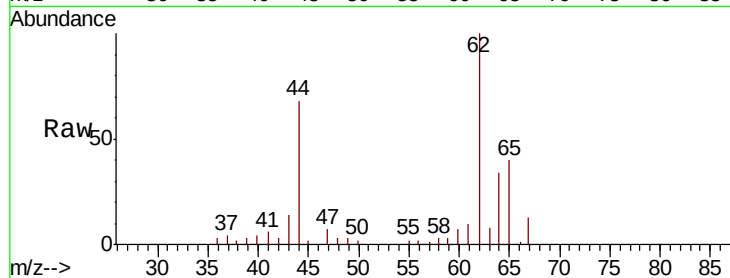
ClientSampleId :

Tot Ion: 62 Resp: 9961

Ion Ratio Lower Upper

62 100

64 34.5 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

10000

8000

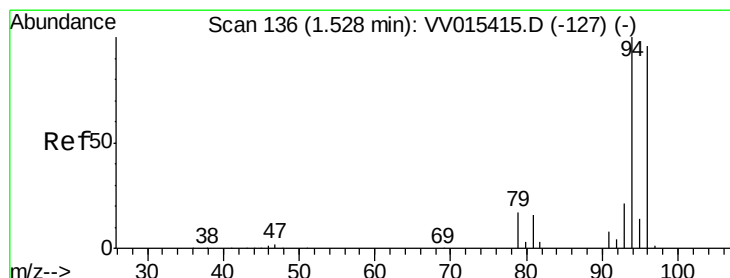
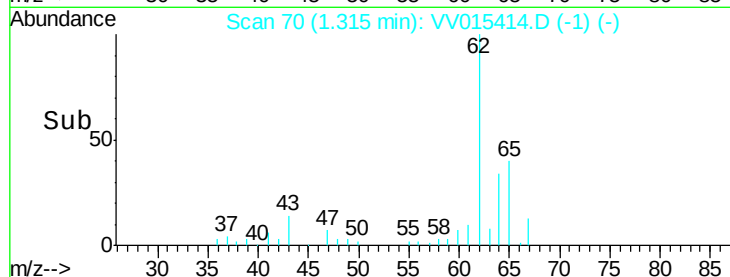
6000

4000

2000

0

Time-->



#6

Bromomethane

Concen: 0.778 ug/L

RT: 1.53 min Scan# 136

Delta R.T. 0.00 min

Lab File: VV015414.D

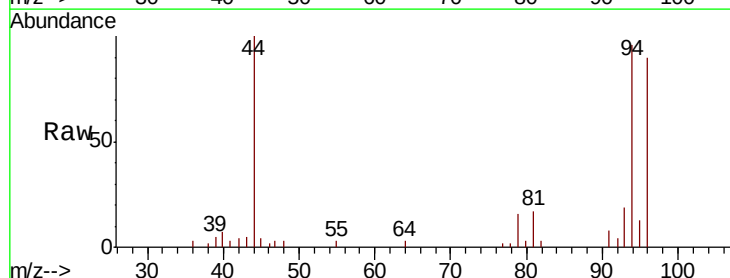
Acq: 09 Apr 2020 12:19

Tgt Ion: 94 Resp: 5621

Ion Ratio Lower Upper

94 100

96 94.0 67.2 124.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

5000

4000

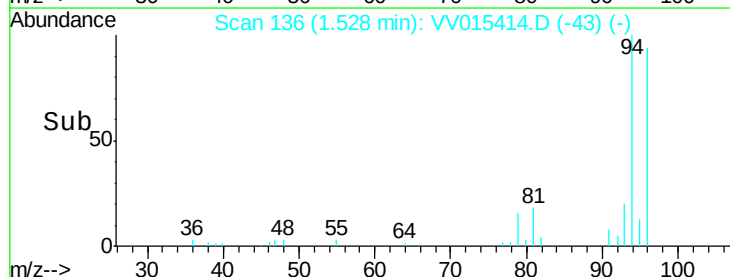
3000

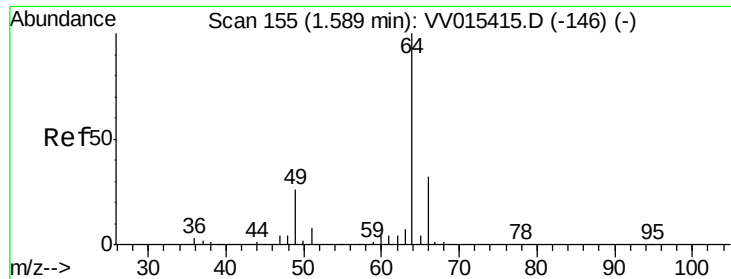
2000

1000

0

Time-->

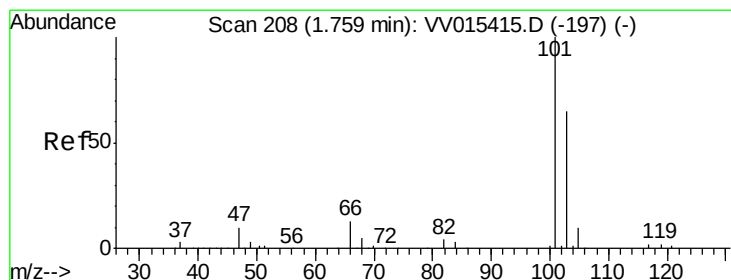
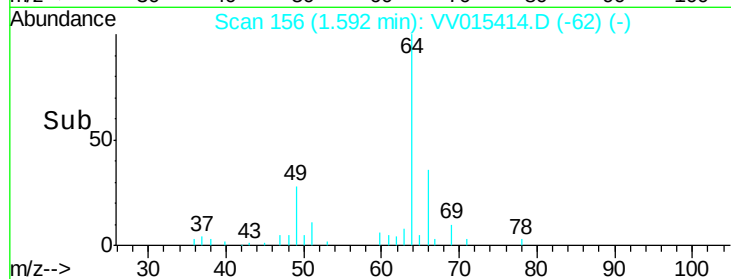
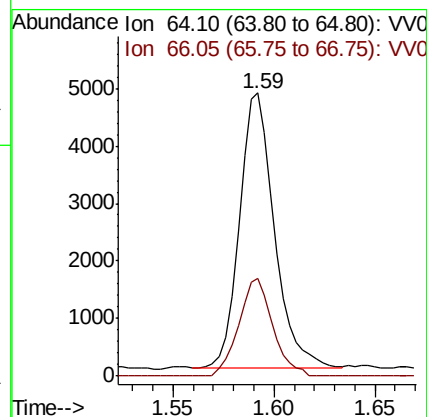
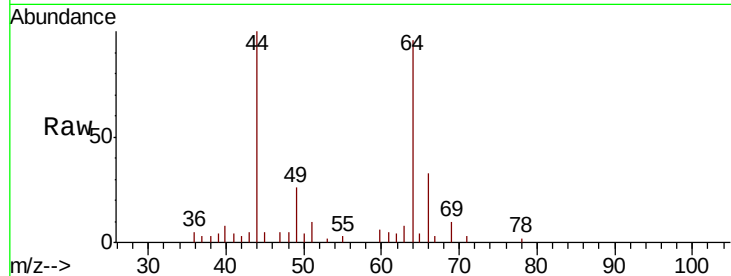




#8
Chloroethane
Concen: 0.847 ug/L
RT: 1.59 min Scan# 156
Delta R.T. 0.00 min
Lab File: VV015414.D
Acq: 09 Apr 2020 12:19

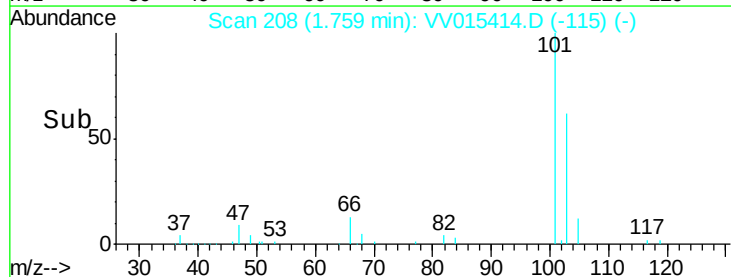
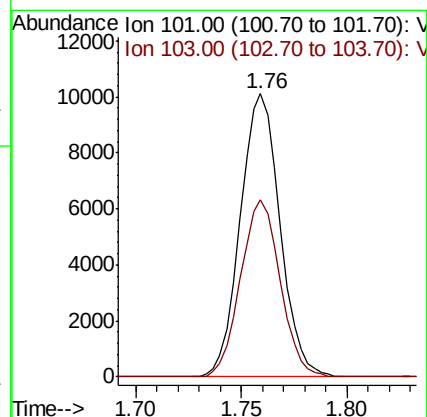
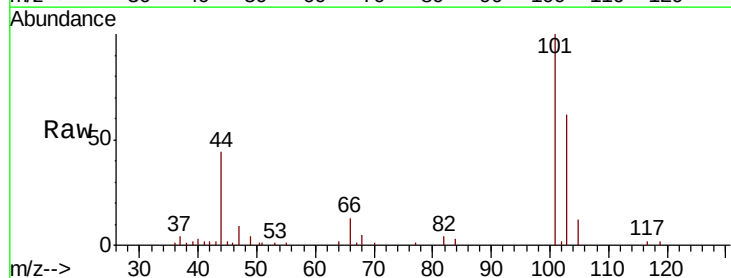
Instrument :
MSVOA_V
ClientSampled :

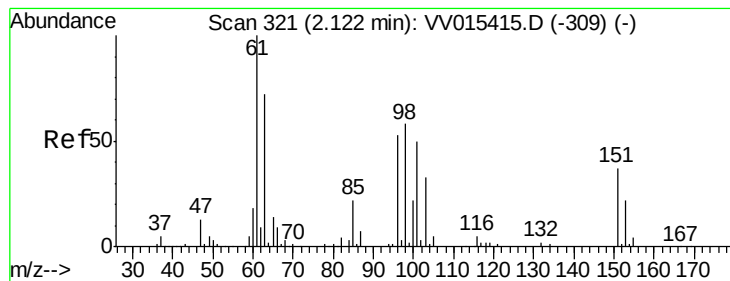
Tot Ion: 64 Resp: 5777
Ion Ratio Lower Upper
64 100
66 34.6 22.3 41.5



#9
Trichlorofluoromethane
Concen: 0.806 ug/L
RT: 1.76 min Scan# 208
Delta R.T. 0.00 min
Lab File: VV015414.D
Acq: 09 Apr 2020 12:19

Tgt Ion:101 Resp: 13213
Ion Ratio Lower Upper
101 100
103 62.4 51.9 77.9





#10

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

Concen: 0.737 ug/L

RT: 2.13 min Scan# 322

Delta R.T. 0.00 min

Lab File: VV015414.D

Acq: 09 Apr 2020 12:19

Instrument :

MSVOA_V

ClientSampled :

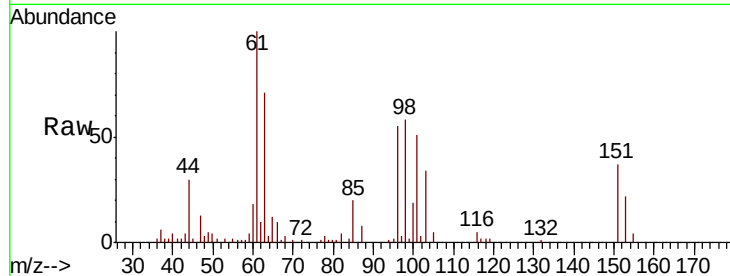
Tot Ion:101 Resp: 7515

Ion Ratio Lower Upper

101 100

85 43.5 36.3 54.5

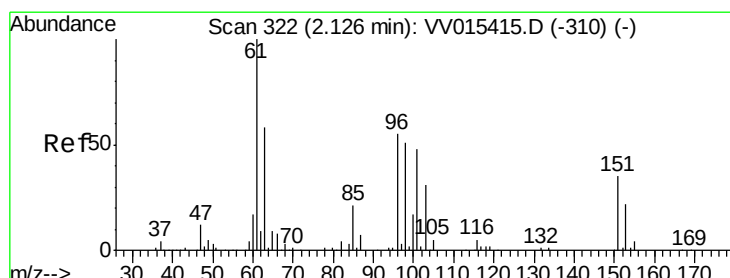
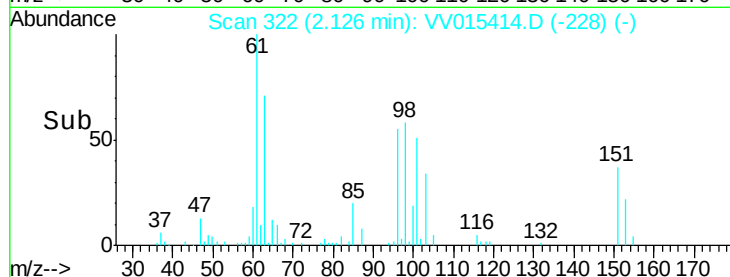
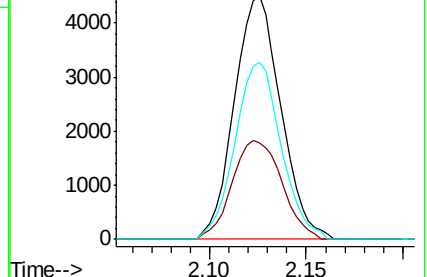
151 72.2 58.2 87.4



Abundance Ion 101.00 (100.70 to 101.70): VV015415.D (-309) (-)

Ion 85.00 (84.70 to 85.70): VV015415.D (-309) (-)

Ion 151.00 (150.70 to 151.70): VV015415.D (-309) (-)



#12

1,1-Dichloroethene

Concen: 0.712 ug/L

RT: 2.13 min Scan# 322

Delta R.T. 0.00 min

Lab File: VV015414.D

Acq: 09 Apr 2020 12:19

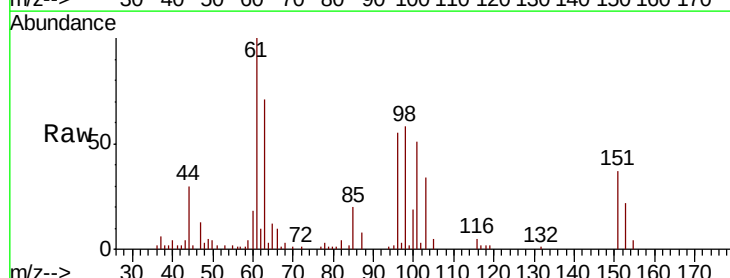
Tgt Ion: 96 Resp: 6946

Ion Ratio Lower Upper

96 100

61 183.4 127.7 237.1

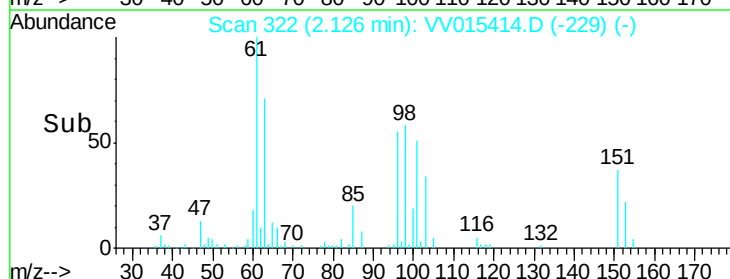
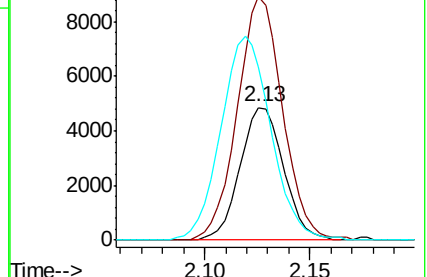
63 130.1 75.1 139.5

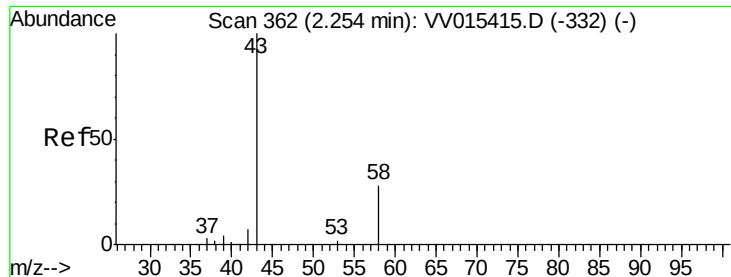


Abundance Ion 96.00 (95.70 to 96.70): VV015415.D (-310) (-)

Ion 61.05 (60.75 to 61.75): VV015415.D (-310) (-)

Ion 63.00 (62.70 to 63.70): VV015415.D (-310) (-)





#13

Acetone

Concen: 4.142 ug/L

RT: 2.24 min Scan# 358

Delta R.T. -0.01 min

Lab File: VV015414.D

Acq: 09 Apr 2020 12:19

Instrument :

MSVOA_V

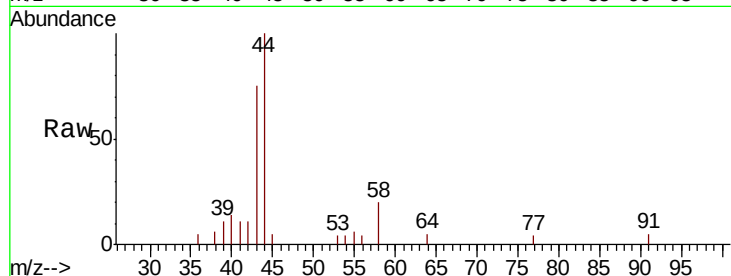
ClientSampleId :

Tot Ion: 43 Resp: 5252

Ion Ratio Lower Upper

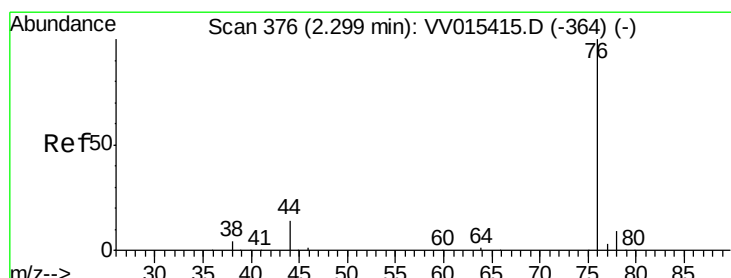
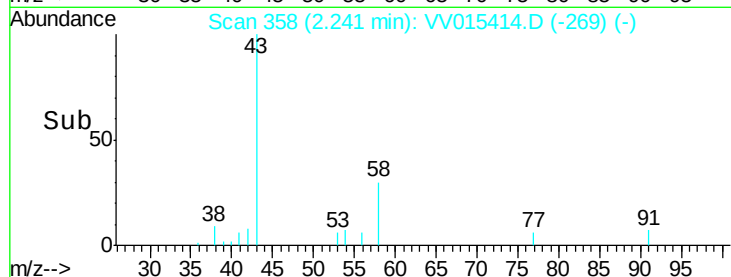
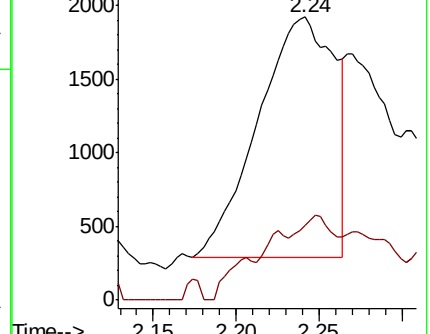
43 100

58 5.0 0.0 22.2



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 0.761 ug/L

RT: 2.30 min Scan# 376

Delta R.T. 0.00 min

Lab File: VV015414.D

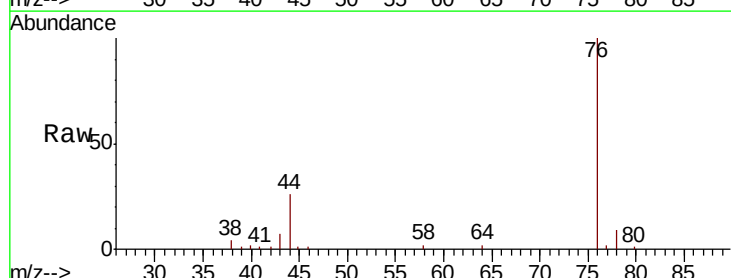
Acq: 09 Apr 2020 12:19

Tgt Ion: 76 Resp: 23877

Ion Ratio Lower Upper

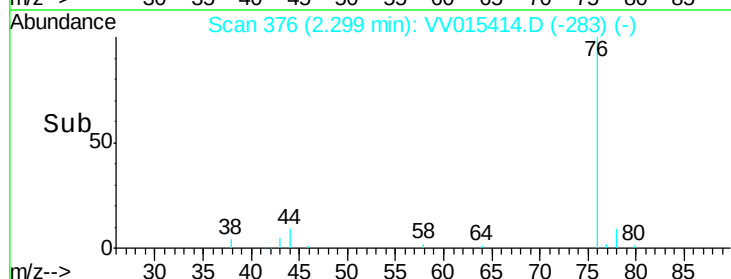
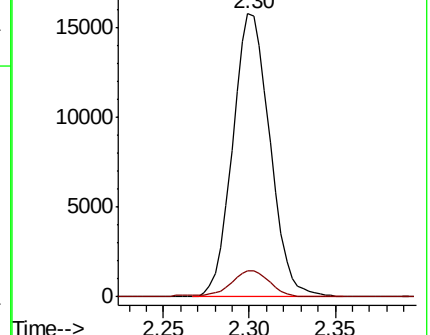
76 100

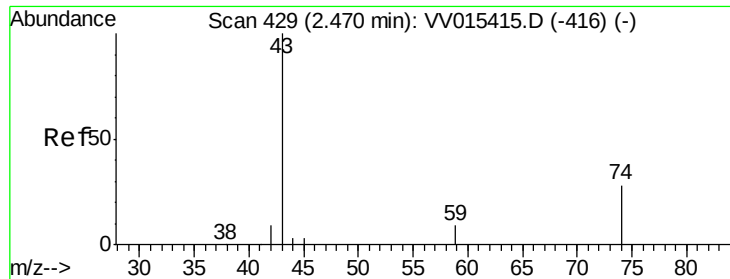
78 9.3 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

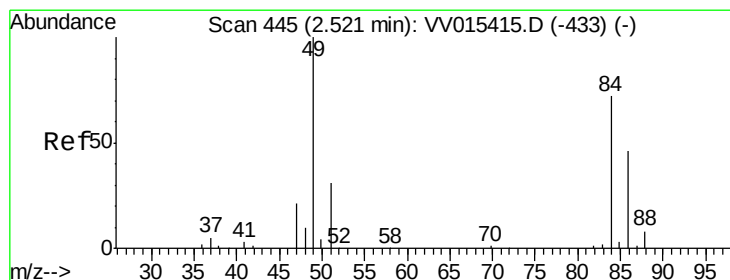
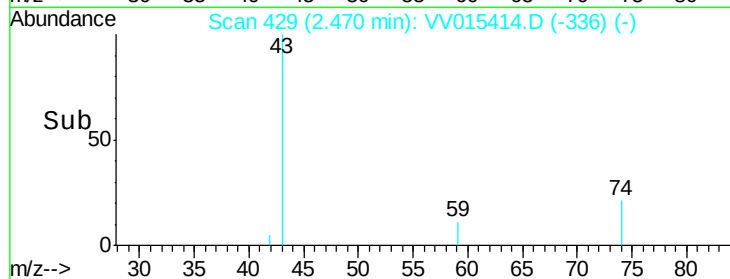
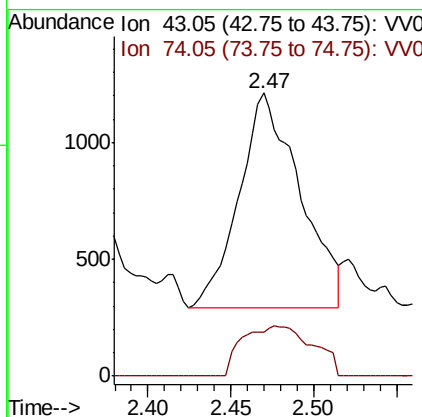
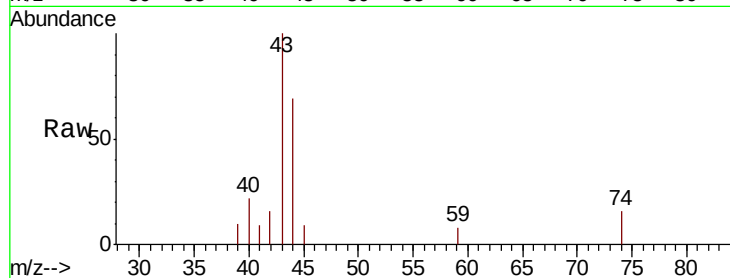




#15
Methvl Acetate
Concen: 0.596 ug/L
RT: 2.47 min Scan# 429
Delta R.T. 0.00 min
Lab File: VV015414.D
Acq: 09 Apr 2020 12:19

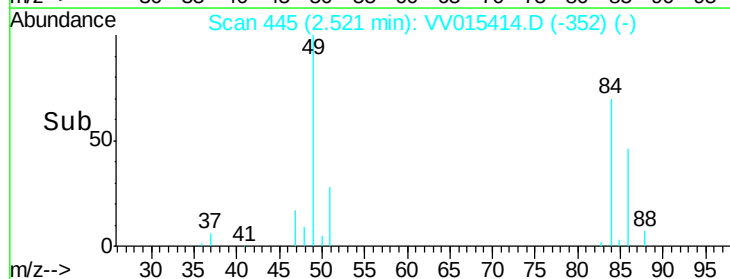
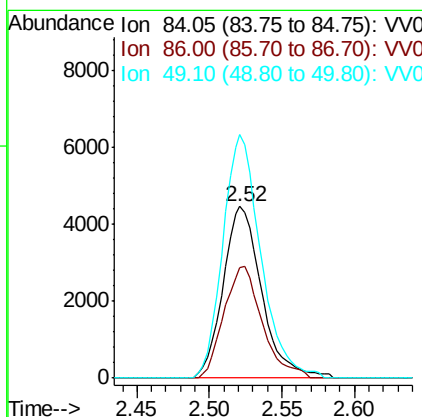
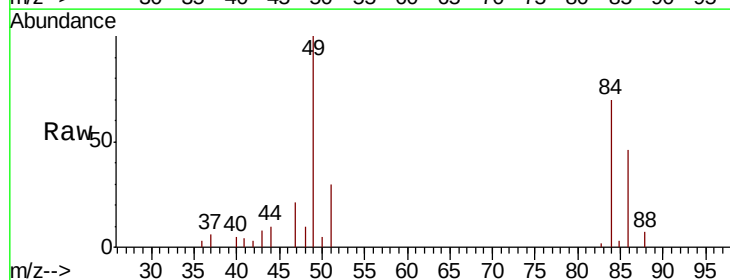
Instrument :
MSVOA_V
ClientSampleId :

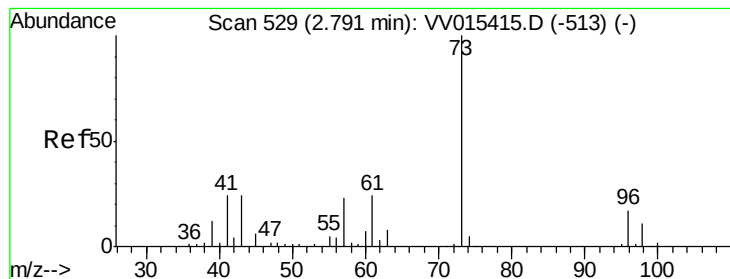
Tot Ion: 43 Resp: 2328
Ion Ratio Lower Upper
43 100
74 27.1 15.4 23.2#



#16
Methylene chloride
Concen: 0.709 ug/L
RT: 2.52 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV015414.D
Acq: 09 Apr 2020 12:19

Tgt Ion: 84 Resp: 8216
Ion Ratio Lower Upper
84 100
86 64.7 45.1 83.7
49 142.0 97.9 181.7



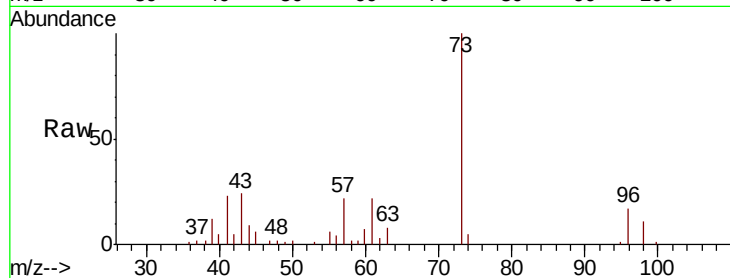


#17

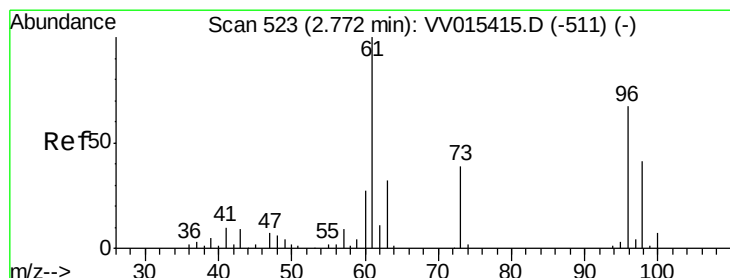
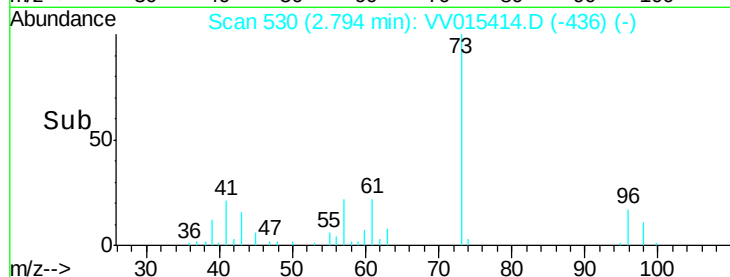
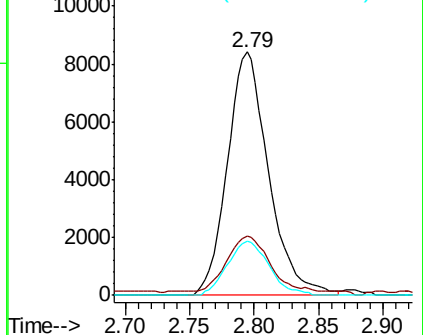
Methyl tert-butyl Ether
 Concen: 0.839 ug/L
 RT: 2.79 min Scan# 530
 Delta R.T. 0.00 min
 Lab File: VV015414.D
 Acq: 09 Apr 2020 12:19

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 73 Resp: 18693
 Ion Ratio Lower Upper
 73 100
 43 23.2 18.3 27.5
 57 22.5 18.4 27.6



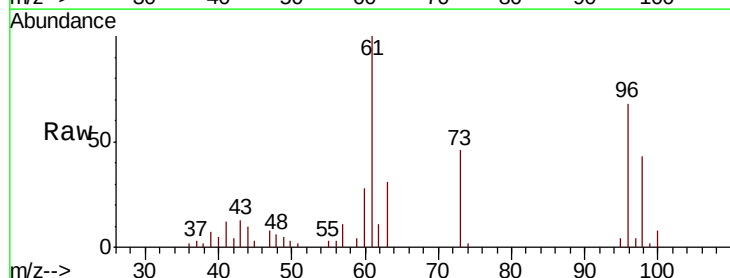
Abundance Ion 73.10 (72.80 to 73.80): VV0
 Ion 43.05 (42.75 to 43.75): VV0
 Ion 57.10 (56.80 to 57.80): VV0



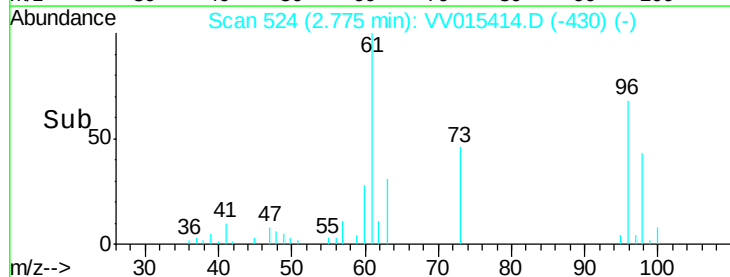
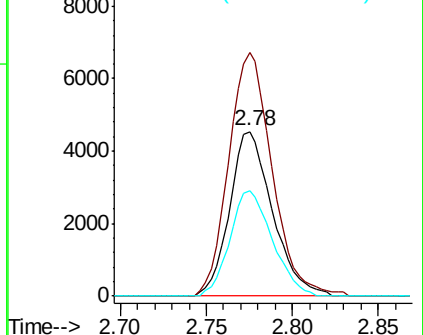
#18

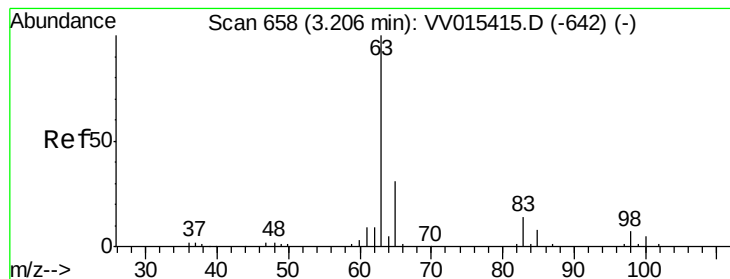
trans-1,2-Dichloroethene
 Concen: 0.766 ug/L
 RT: 2.78 min Scan# 524
 Delta R.T. 0.00 min
 Lab File: VV015414.D
 Acq: 09 Apr 2020 12:19

Tgt Ion: 96 Resp: 7895
 Ion Ratio Lower Upper
 96 100
 61 147.8 104.4 194.0
 98 64.0 42.8 79.4



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





#19

1,1-Dichloroethane

Concen: 0.824 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.01 min

Lab File: VV015414.D

Acq: 09 Apr 2020 12:19

Instrument :

MSVOA_V

ClientSampleId :

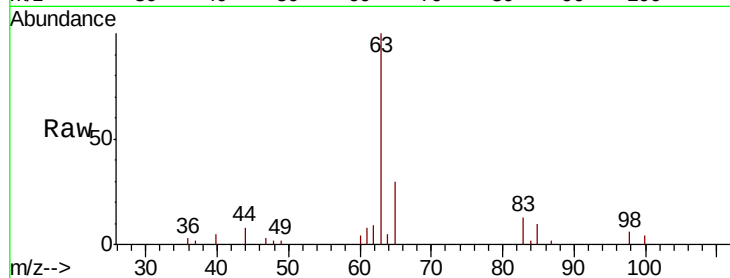
Tot Ion: 63 Resp: 14776

Ion Ratio Lower Upper

63 100

65 30.5 21.3 39.6

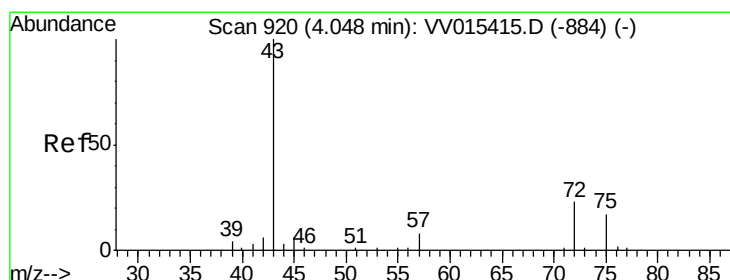
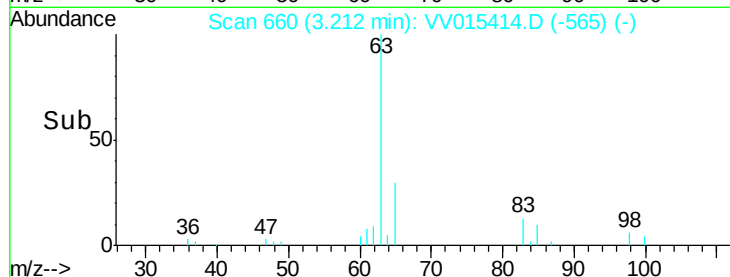
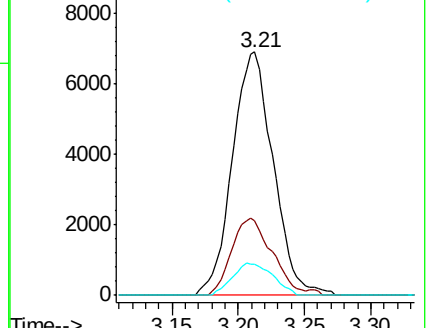
83 12.6 9.4 17.6



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



#21

2-Butanone

Concen: 5.680 ug/L

RT: 4.06 min Scan# 924

Delta R.T. 0.01 min

Lab File: VV015414.D

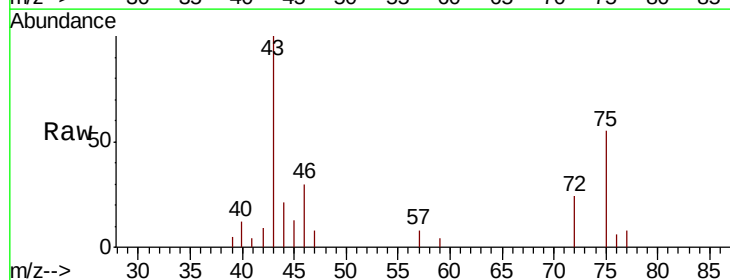
Acq: 09 Apr 2020 12:19

Tgt Ion: 43 Resp: 11748

Ion Ratio Lower Upper

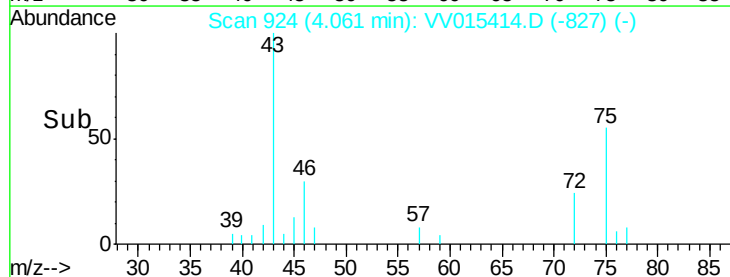
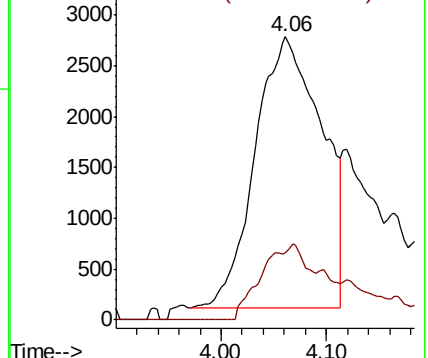
43 100

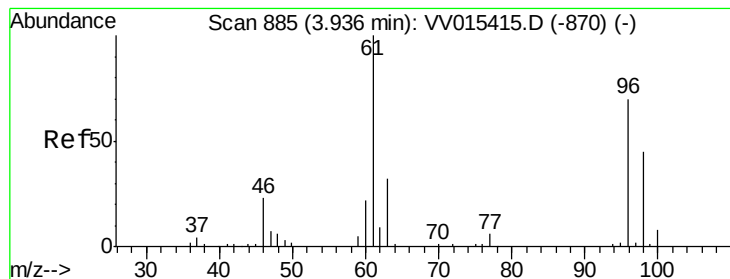
72 19.7 5.9 17.8#



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 72.00 (71.70 to 72.70): VV0



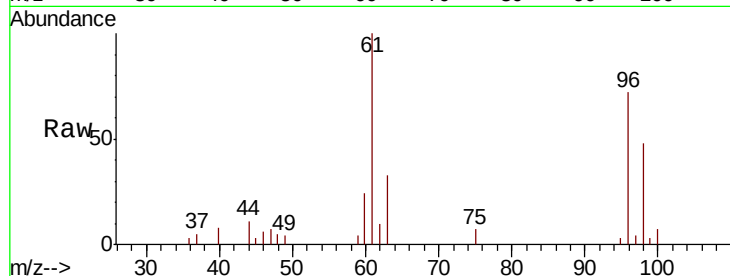


#22

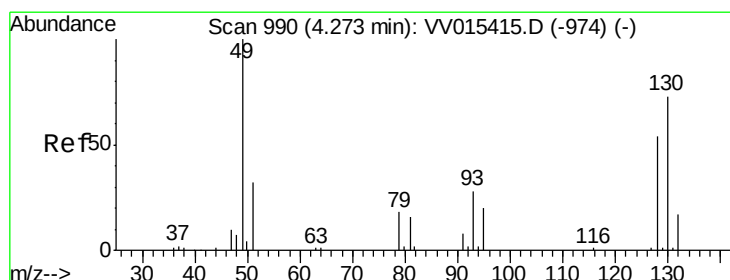
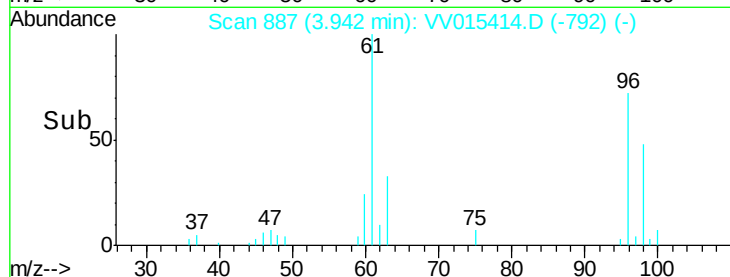
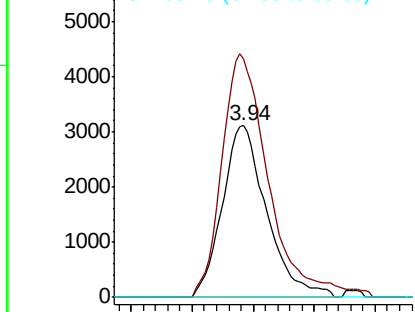
cis-1,2-Dichloroethene
 Concen: 0.746 ug/L
 RT: 3.94 min Scan# 887
 Delta R.T. 0.01 min
 Lab File: VV015414.D
 Acq: 09 Apr 2020 12:19

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 96 Resp: 7891
 Ion Ratio Lower Upper
 96 100
 61 138.7 100.0 185.8
 68 0.0 0.0 0.0



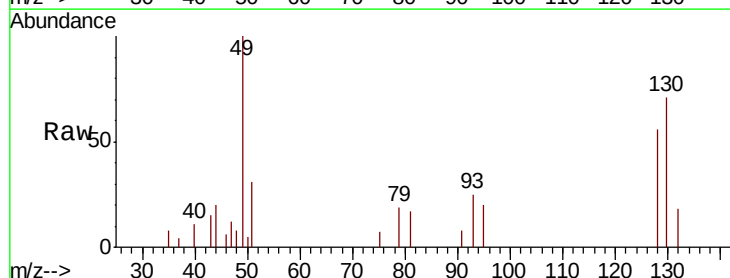
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



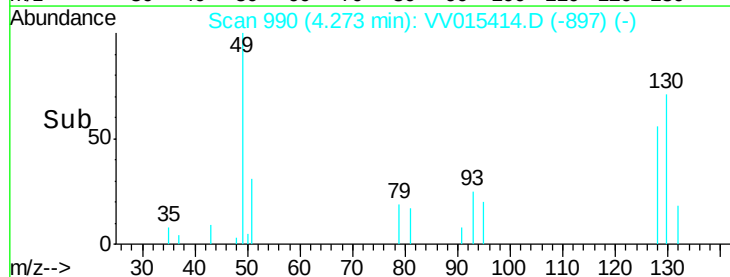
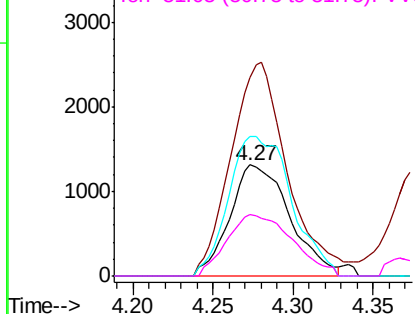
#23

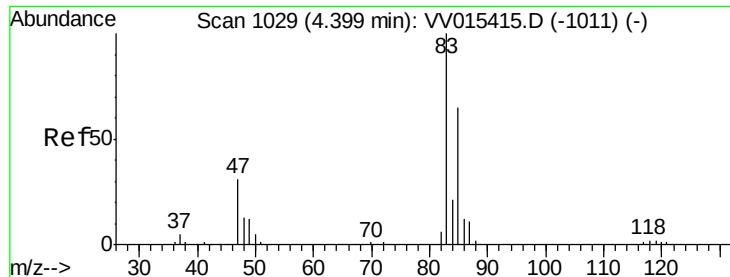
Bromochloromethane
 Concen: 0.777 ug/L
 RT: 4.27 min Scan# 990
 Delta R.T. 0.00 min
 Lab File: VV015414.D
 Acq: 09 Apr 2020 12:19

Tgt Ion: 128 Resp: 3368
 Ion Ratio Lower Upper
 128 100
 49 179.1 128.8 239.2
 130 126.3 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

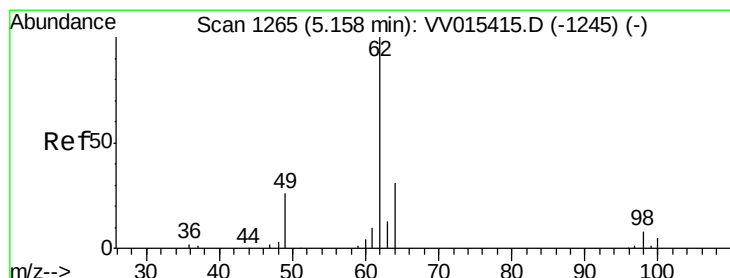
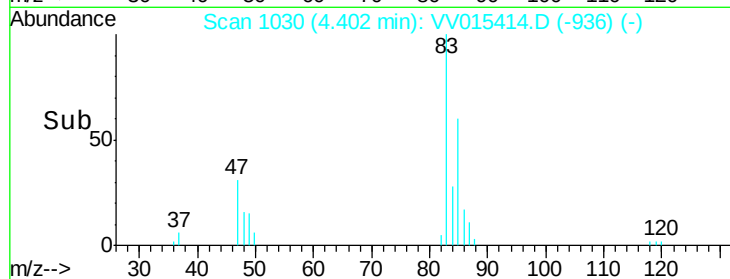
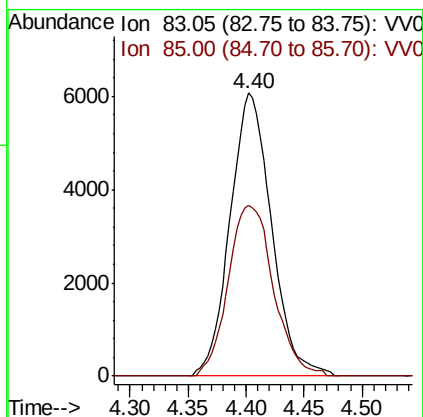
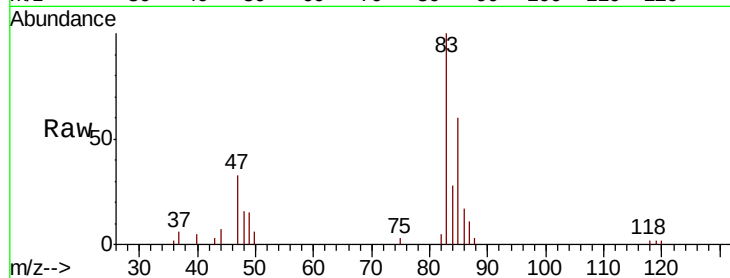




#25
Chloroform
Concen: 0.749 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV015414.D
Acq: 09 Apr 2020 12:19

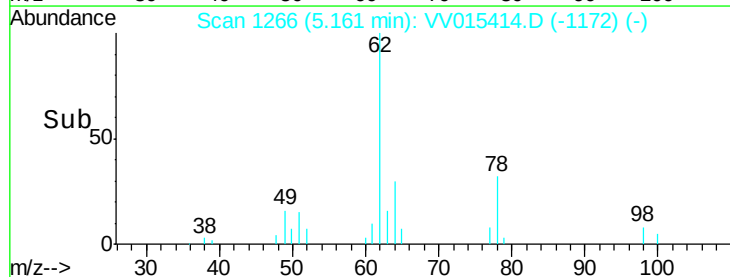
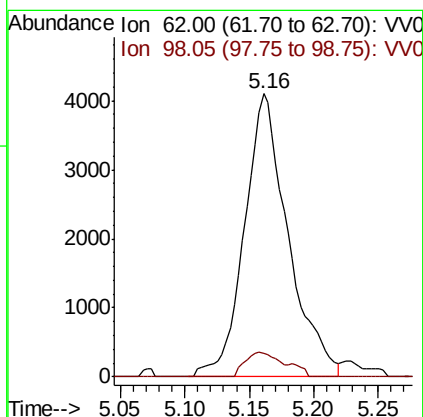
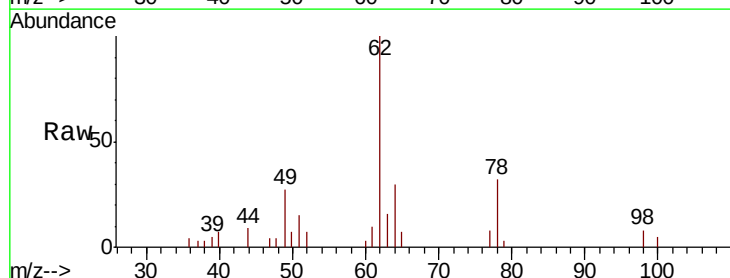
Instrument :
MSVOA_V
ClientSampleId :

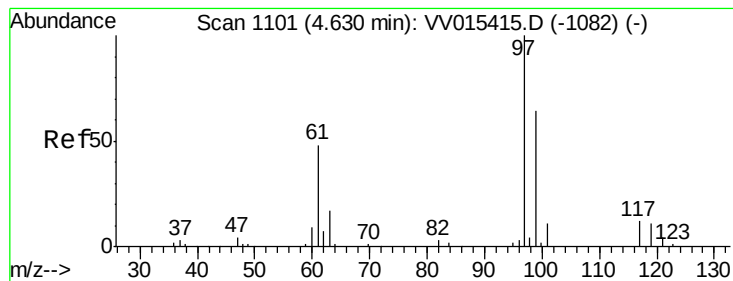
Tot Ion: 83 Resp: 15082
Ion Ratio Lower Upper
83 100
85 60.2 45.9 85.3



#27
1,2-Dichloroethane
Concen: 1.070 ug/L
RT: 5.16 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VV015414.D
Acq: 09 Apr 2020 12:19

Tgt Ion: 62 Resp: 9676
Ion Ratio Lower Upper
62 100
98 8.4 6.6 10.0





#29

1,1,1-Trichloroethane

Concen: 0.843 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV015414.D

Acq: 09 Apr 2020 12:19

Instrument :

MSVOA_V

ClientSampleId :

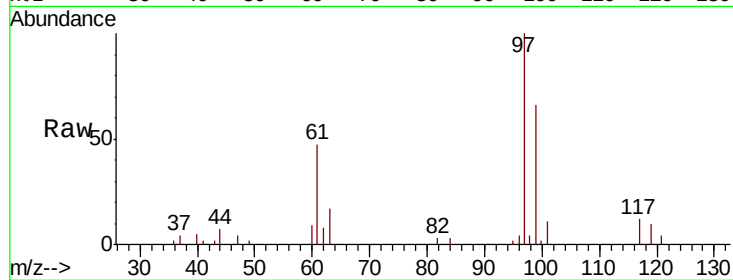
Tot Ion: 97 Resp: 13651

Ion Ratio Lower Upper

97 100

99 64.5 51.6 77.4

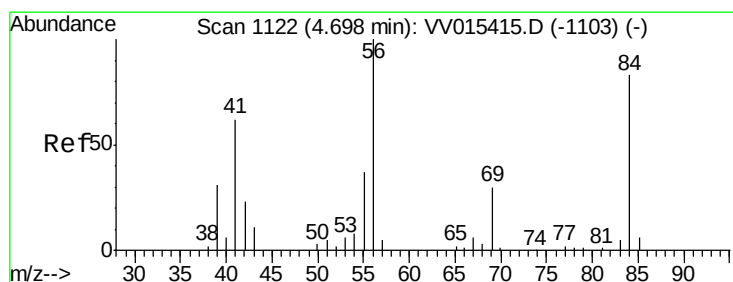
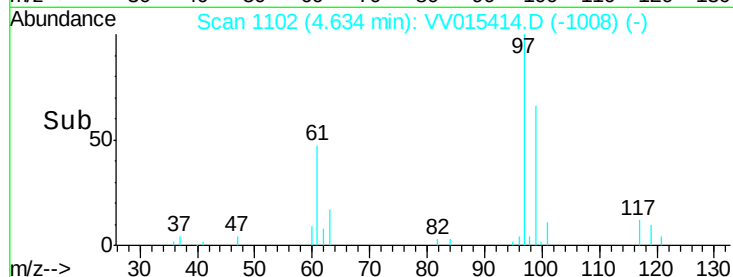
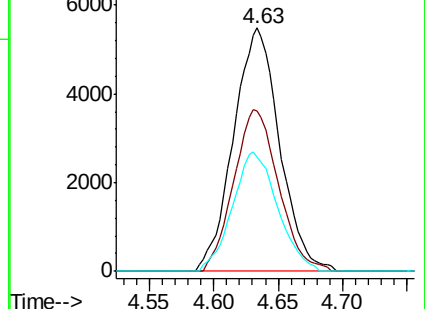
61 47.7 39.0 58.6



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: 0.929 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VV015414.D

Acq: 09 Apr 2020 12:19

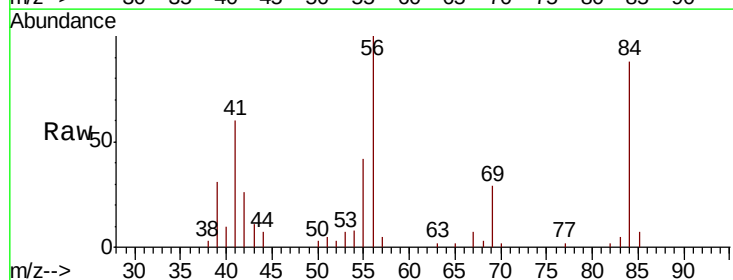
Tgt Ion: 56 Resp: 14539

Ion Ratio Lower Upper

56 100

69 28.9 24.2 36.4

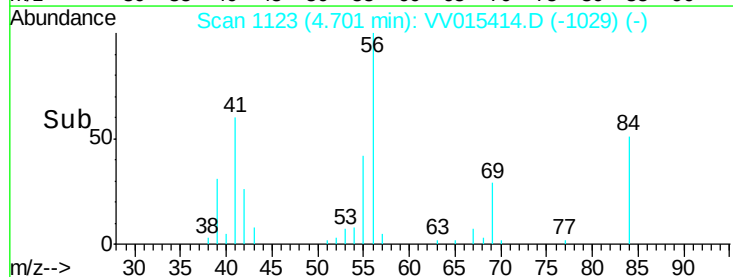
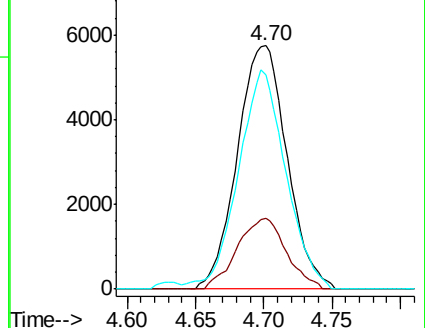
84 86.1 68.4 102.6

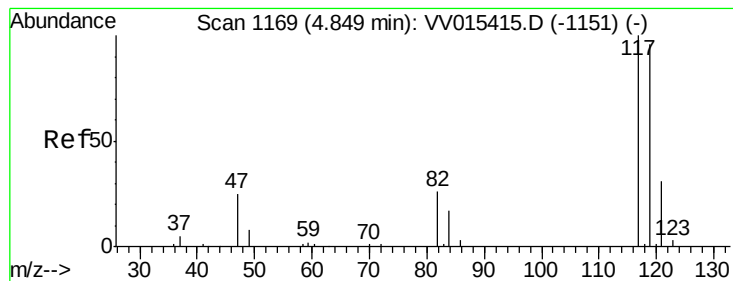


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 0.847 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV015414.D

Acq: 09 Apr 2020 12:19

Instrument :

MSVOA_V

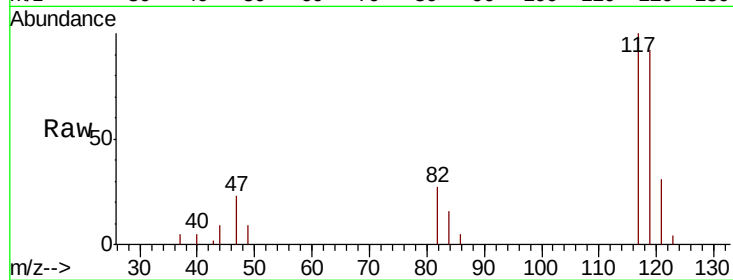
ClientSampleId :

Tot Ion:117 Resp: 11841

Ion Ratio Lower Upper

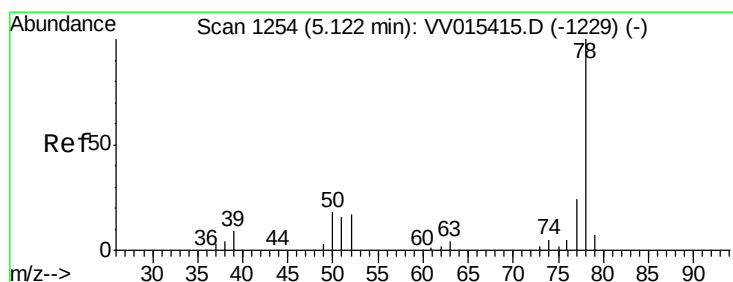
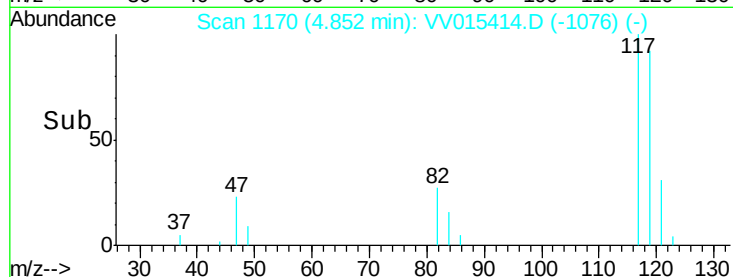
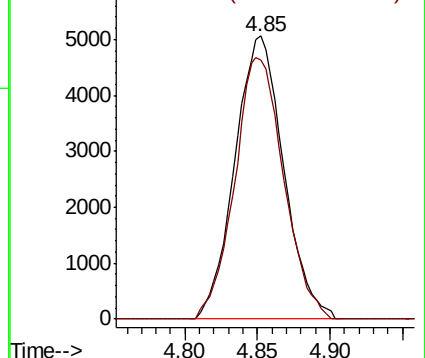
117 100

119 92.7 76.6 115.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 1.070 ug/L

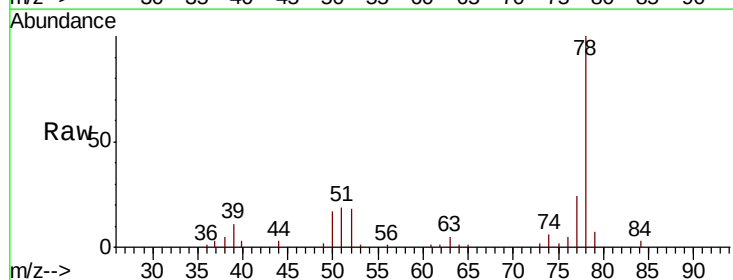
RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

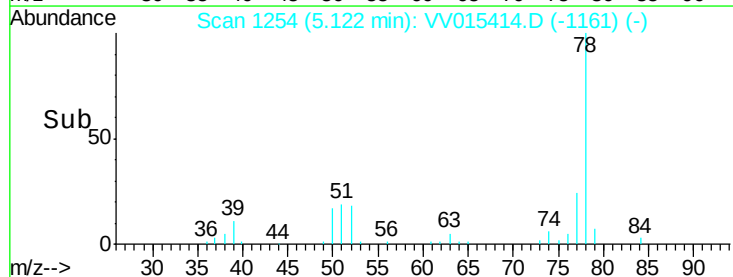
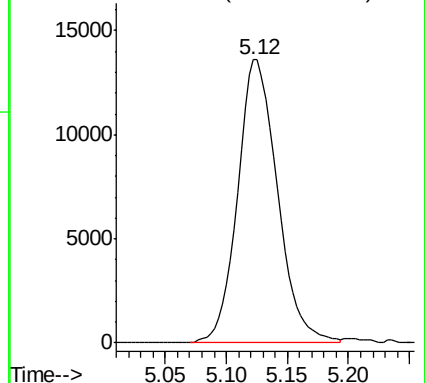
Lab File: VV015414.D

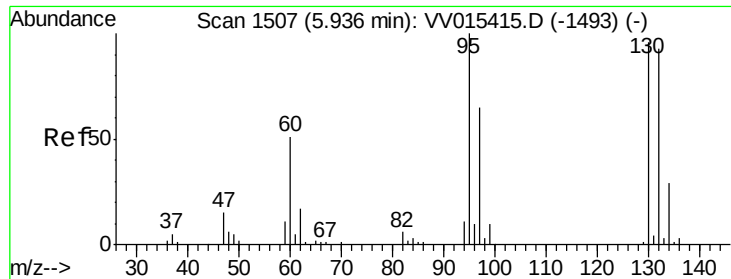
Acq: 09 Apr 2020 12:19

Tgt Ion: 78 Resp: 30767



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 1.078 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV015414.D

Acq: 09 Apr 2020 12:19

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 8766

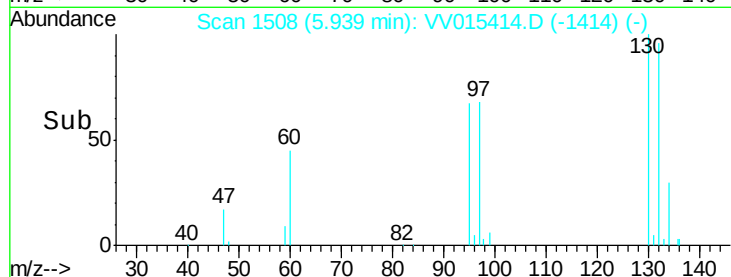
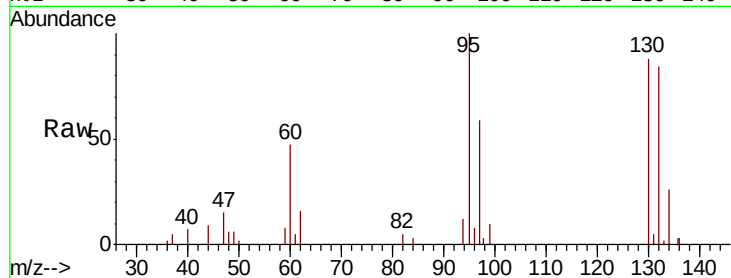
Ion Ratio Lower Upper

95 100

97 59.2 45.4 84.4

132 83.9 64.8 120.4

130 87.5 67.4 125.2

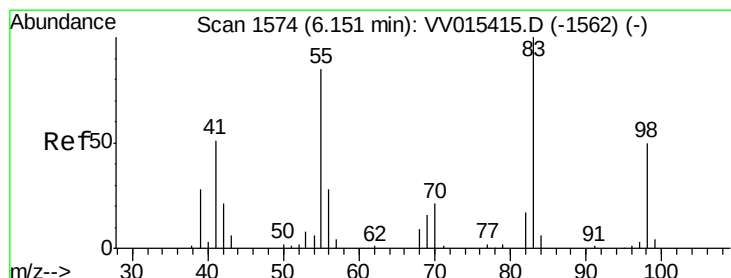
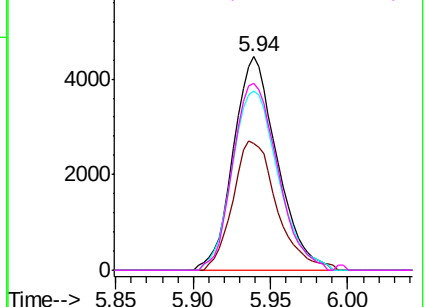


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 1.005 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VV015414.D

Acq: 09 Apr 2020 12:19

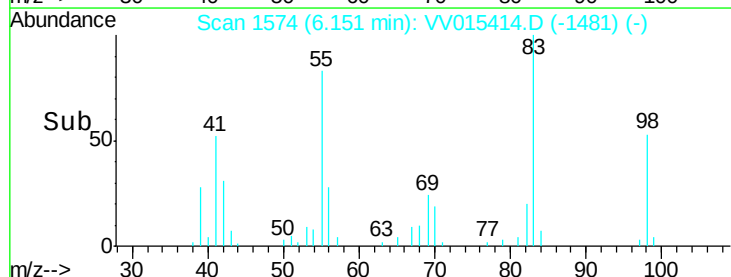
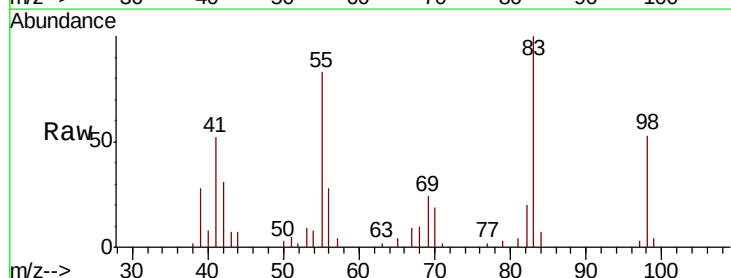
Tgt Ion: 83 Resp: 14219

Ion Ratio Lower Upper

83 100

55 80.4 66.6 99.8

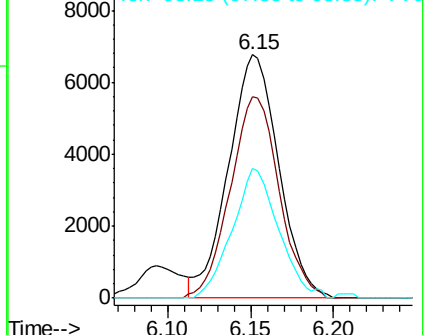
98 49.1 38.7 58.1

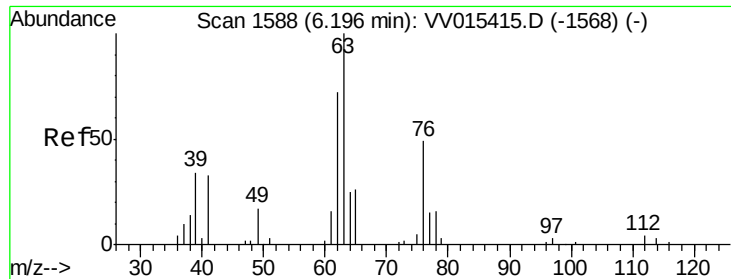


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

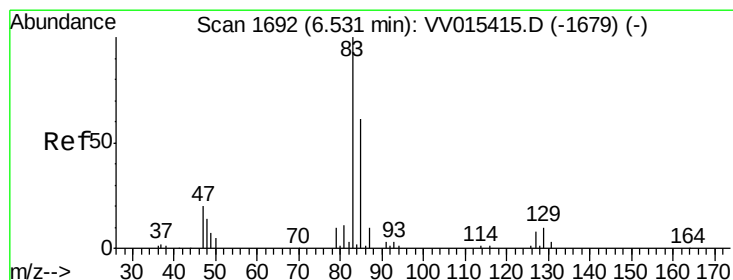
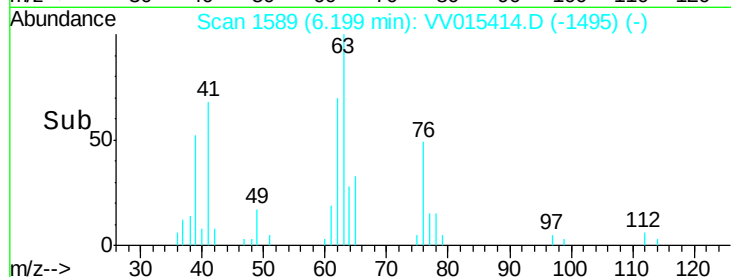
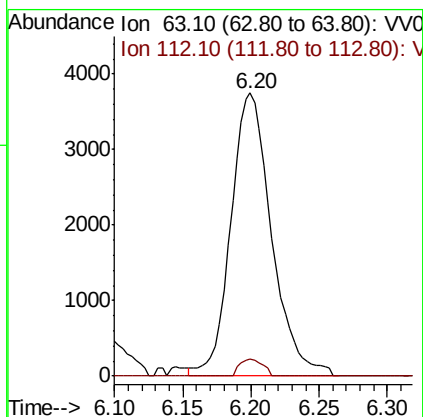
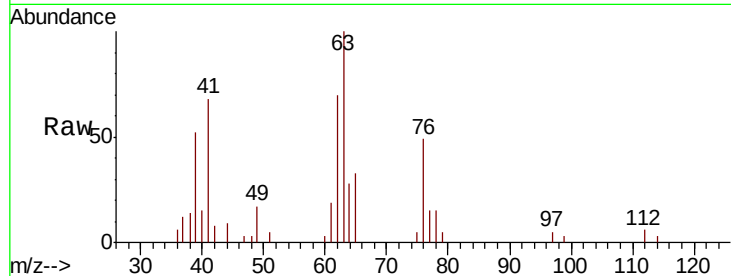




#37
 1,2-Dichloropropane
 Concen: 1.121 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV015414.D
 Acq: 09 Apr 2020 12:19

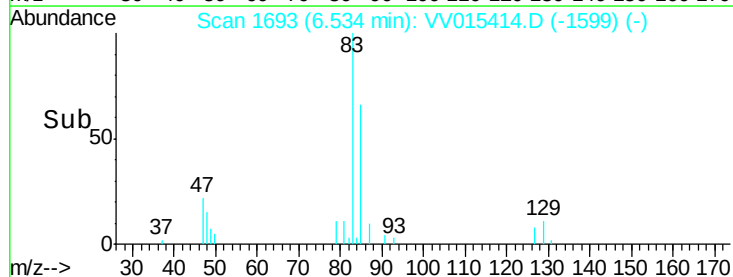
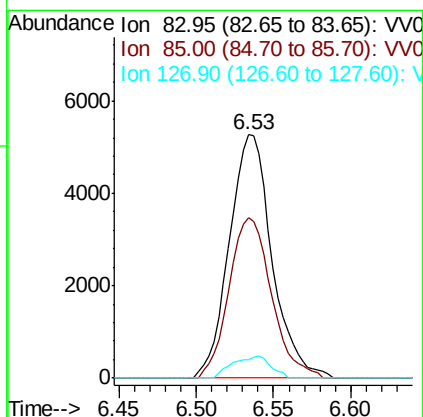
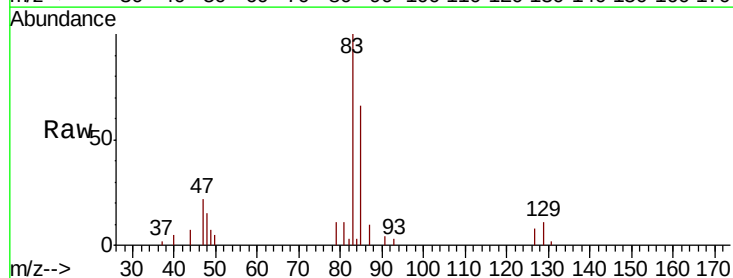
Instrument :
 MSVOA_V
 ClientSampleId :

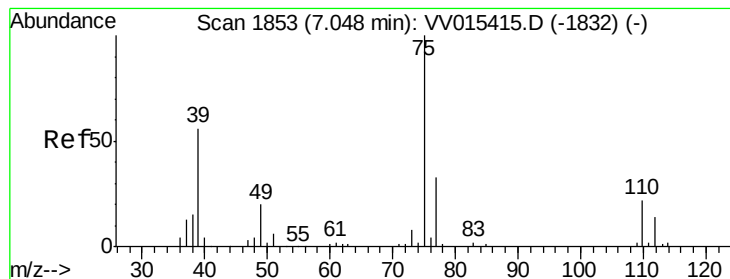
Tot Ion: 63 Resp: 7785
 Ion Ratio Lower Upper
 63 100
 112 3.5 3.6 5.4#



#38
 Bromodichloromethane
 Concen: 1.054 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV015414.D
 Acq: 09 Apr 2020 12:19

Tgt Ion: 83 Resp: 10089
 Ion Ratio Lower Upper
 83 100
 85 65.7 42.6 79.2
 127 7.6 6.6 9.8



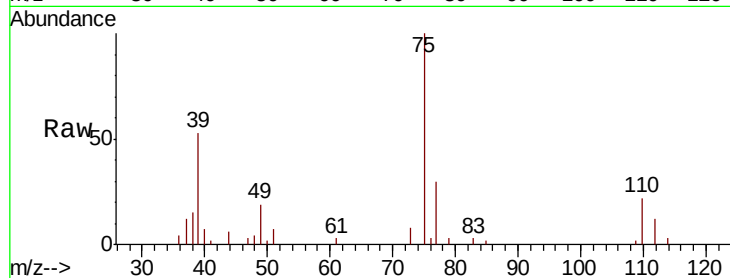


#39

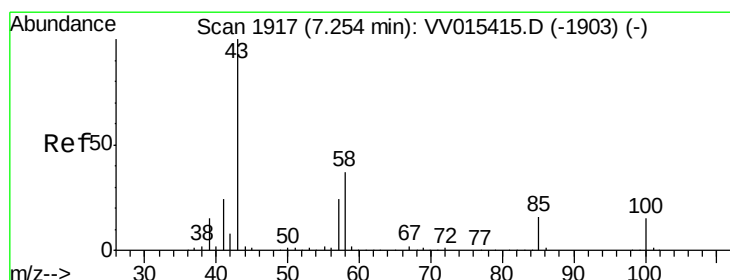
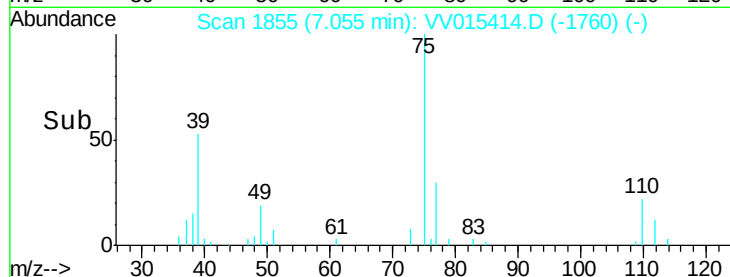
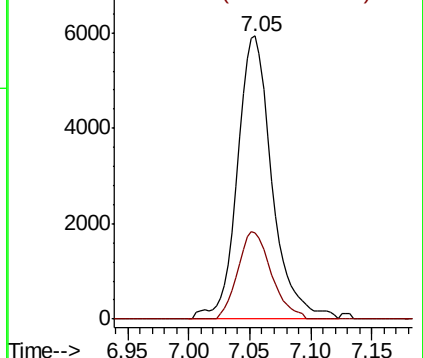
cis-1,3-Dichloropropene
Concen: 1.067 ug/L
RT: 7.05 min Scan# 1855
Delta R.T. 0.01 min
Lab File: VV015414.D
Acq: 09 Apr 2020 12:19

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 75 Resp: 11656
Ion Ratio Lower Upper
75 100
77 30.5 23.0 42.6



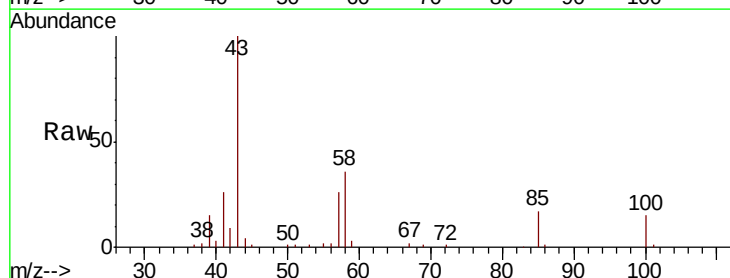
Abundance Ion 75.05 (74.75 to 75.75): VV015414.D (-1760) (-)
Ion 77.05 (76.75 to 77.75): VV015414.D (-1760) (-)



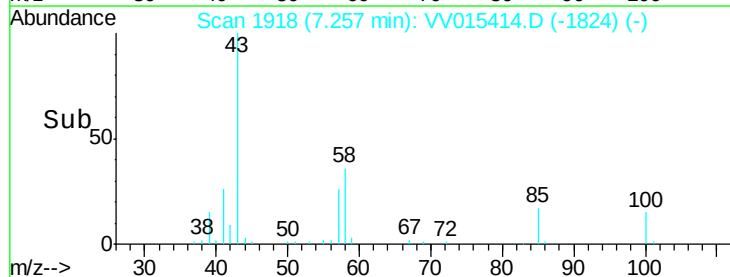
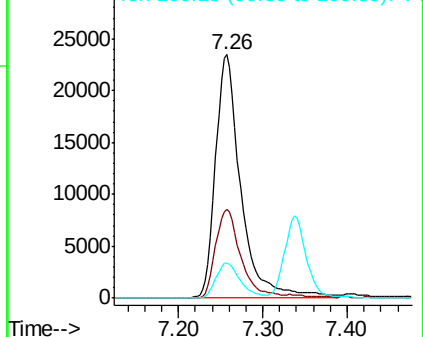
#40

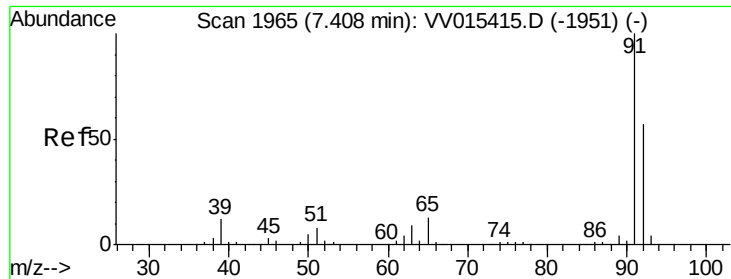
4-Methyl-2-pentanone
Concen: 12.179 ug/L
RT: 7.26 min Scan# 1918
Delta R.T. 0.00 min
Lab File: VV015414.D
Acq: 09 Apr 2020 12:19

Tgt Ion: 43 Resp: 49271
Ion Ratio Lower Upper
43 100
58 36.0 29.0 43.6
100 13.8 11.0 16.6



Abundance Ion 43.05 (42.75 to 43.75): VV015414.D (-1824) (-)
Ion 58.05 (57.75 to 58.75): VV015414.D (-1824) (-)
Ion 100.15 (99.85 to 100.85): VV015414.D (-1824) (-)





#42

Toluene

Concen: 0.971 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV015414.D

Acq: 09 Apr 2020 12:19

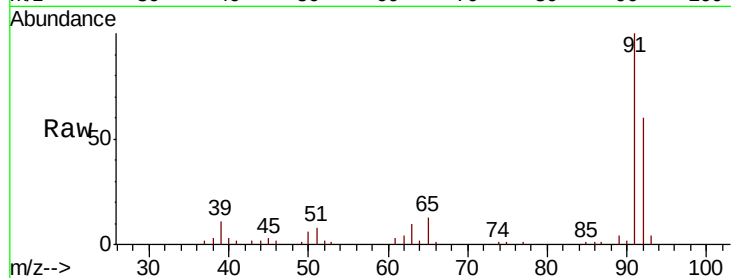
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 33050

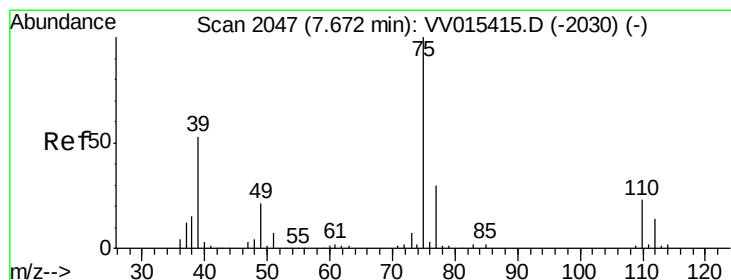
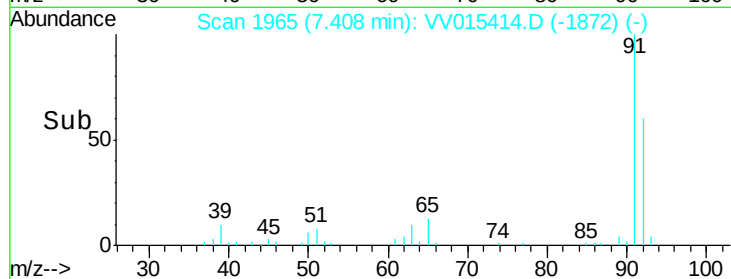
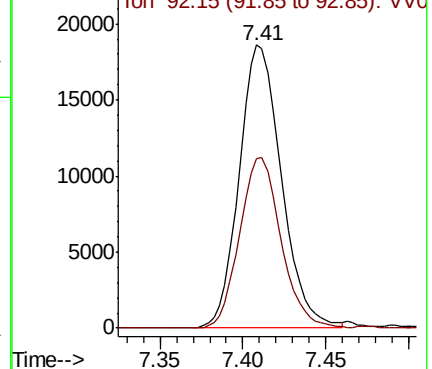
Ion Ratio Lower Upper

91 100

92 60.0 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 1.037 ug/L

RT: 7.68 min Scan# 2048

Delta R.T. 0.00 min

Lab File: VV015414.D

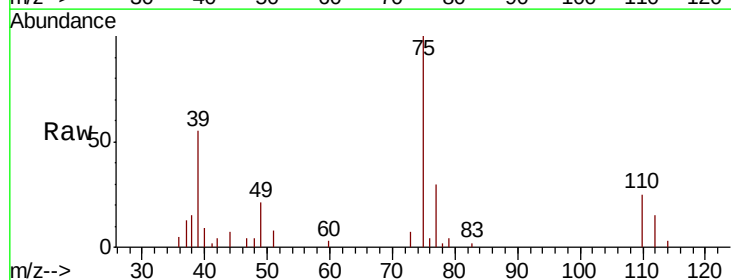
Acq: 09 Apr 2020 12:19

Tgt Ion: 75 Resp: 9657

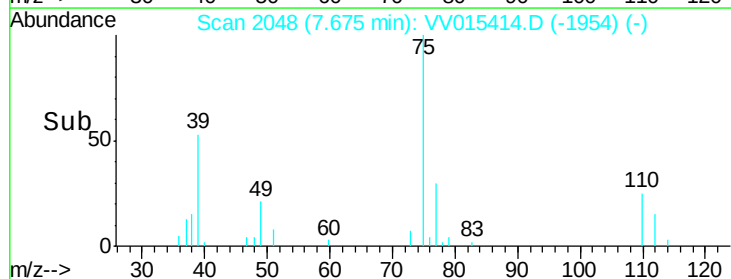
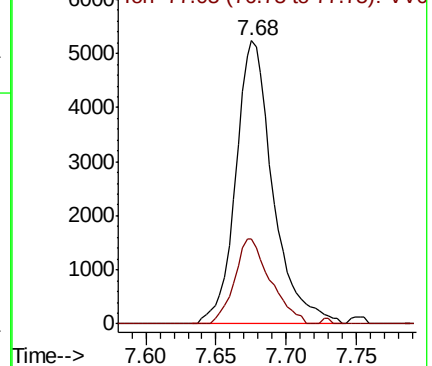
Ion Ratio Lower Upper

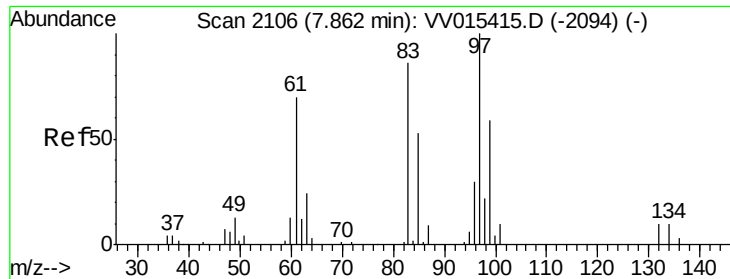
75 100

77 29.9 21.0 39.0



Abundance Ion 75.05 (74.75 to 75.75): VV0

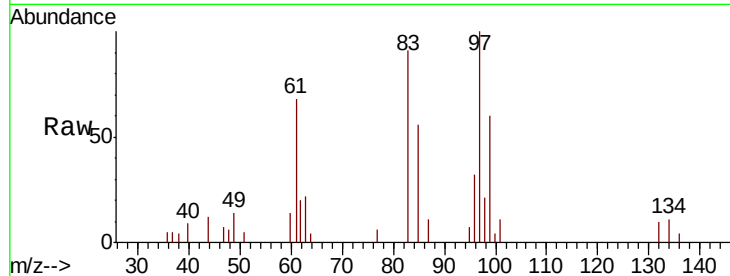




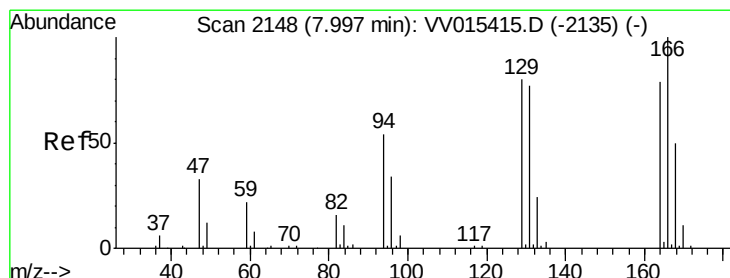
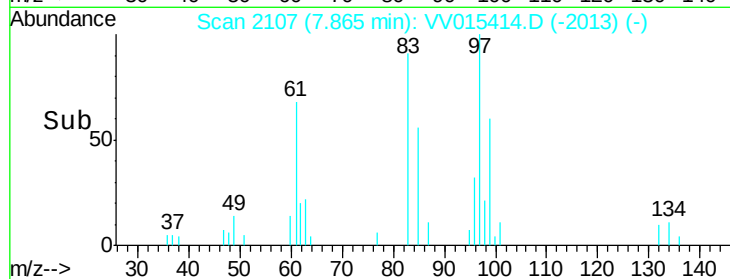
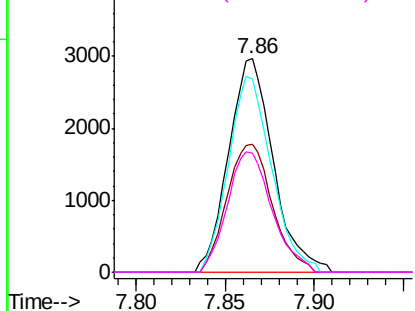
#45
 1,1,2-Trichloroethane
 Concen: 1.001 ug/L
 RT: 7.86 min Scan# 2107
 Delta R.T. 0.00 min
 Lab File: VV015414.D
 Acq: 09 Apr 2020 12:19

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	5181
Ion	Ratio	Lower	Upper
97	100		
99	60.0	41.3	76.7
83	90.6	60.5	112.3
85	55.7	36.8	68.4

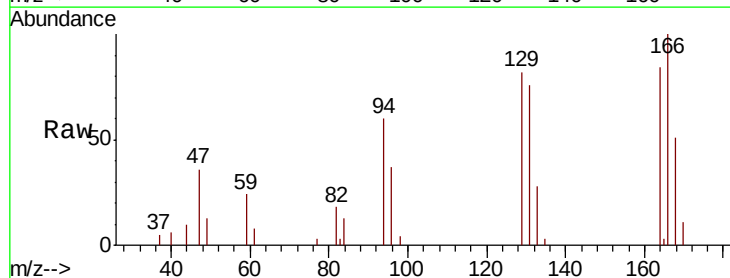


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

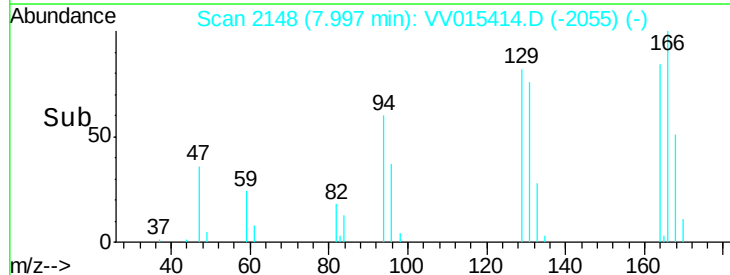
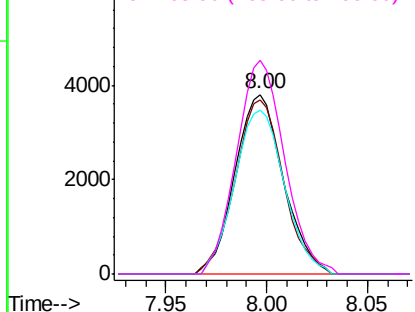


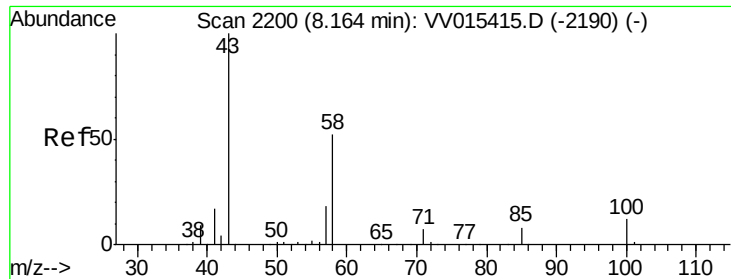
#47
 Tetrachloroethene
 Concen: 1.067 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV015414.D
 Acq: 09 Apr 2020 12:19

Tgt Ion:	164	Resp:	6392
Ion	Ratio	Lower	Upper
164	100		
129	97.0	70.6	131.0
131	90.9	68.3	126.8
166	118.8	88.3	163.9



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

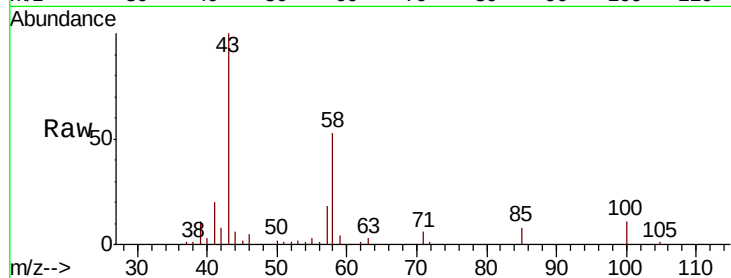




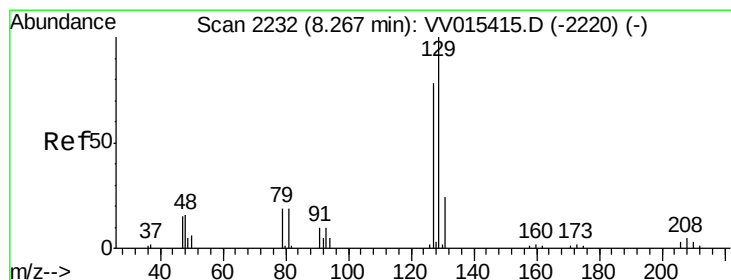
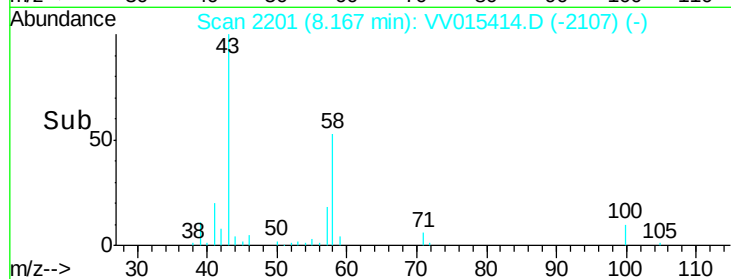
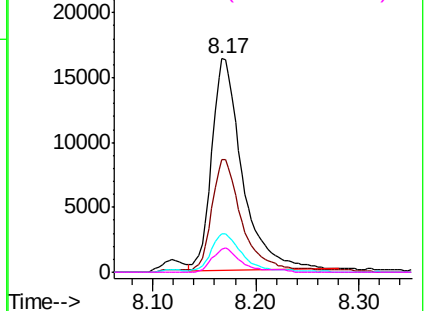
#48
2-Hexanone
Concen: 11.783 ug/L
RT: 8.17 min Scan# 2201
Delta R.T. 0.00 min
Lab File: VV015414.D
Acq: 09 Apr 2020 12:19

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 33849
Ion Ratio Lower Upper
43 100
58 49.5 41.4 62.0
57 19.2 15.0 22.4
100 11.0 9.4 14.2

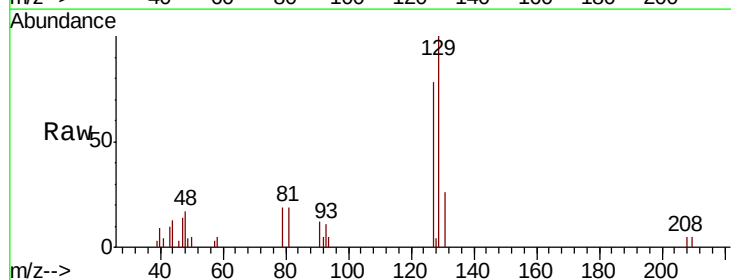


Abundance Ion 43.05 (42.75 to 43.75): VV015414.D (-2190) (-)
Ion 58.05 (57.75 to 58.75): VV015414.D (-2190) (-)
Ion 57.20 (56.90 to 57.90): VV015414.D (-2190) (-)
Ion 100.15 (99.85 to 100.85): VV015414.D (-2190) (-)

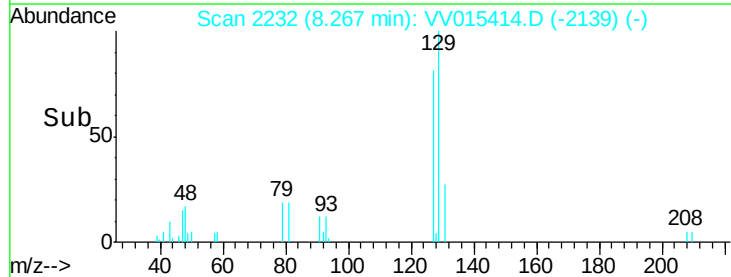
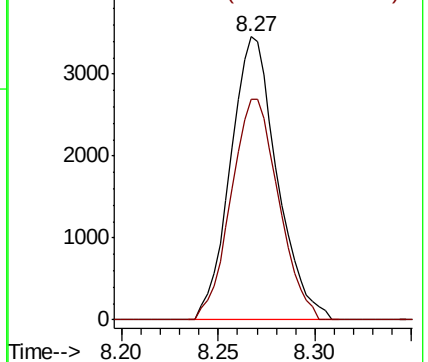


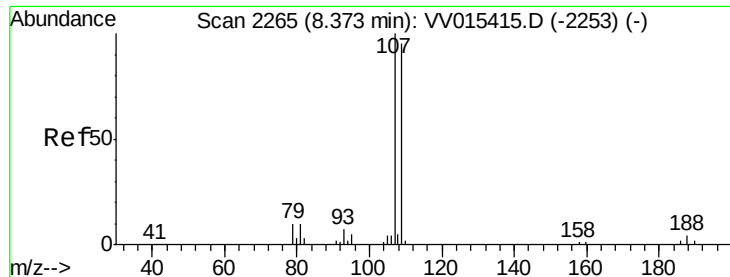
#49
Dibromochloromethane
Concen: 0.946 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV015414.D
Acq: 09 Apr 2020 12:19

Tgt Ion: 129 Resp: 5790
Ion Ratio Lower Upper
129 100
127 78.0 54.7 101.7



Abundance Ion 128.95 (128.65 to 129.65): VV015414.D (-2220) (-)
Ion 126.90 (126.60 to 127.60): VV015414.D (-2220) (-)

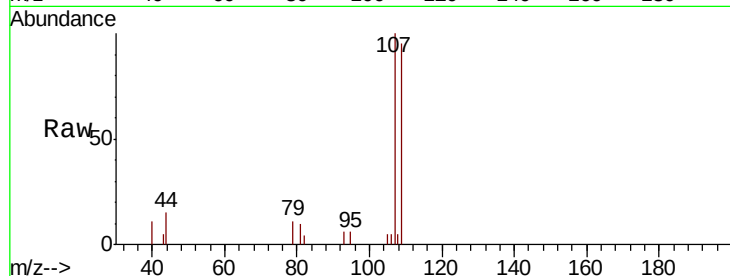




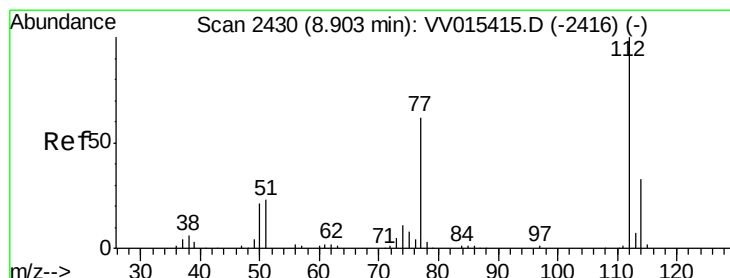
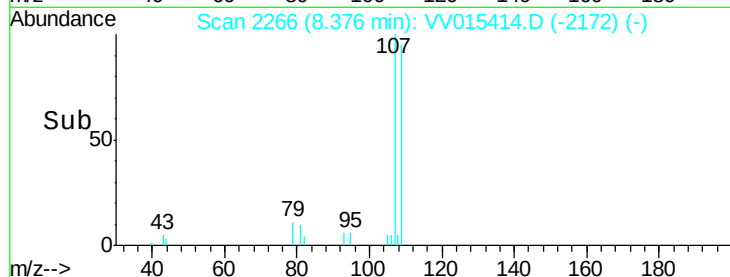
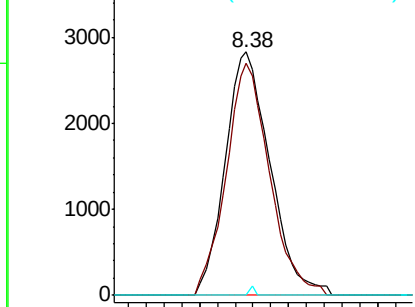
#50
 1,2-Dibromoethane
 Concen: 1.005 ug/L
 RT: 8.38 min Scan# 2266
 Delta R.T. 0.00 min
 Lab File: VV015414.D
 Acq: 09 Apr 2020 12:19

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:107 Resp: 4945
 Ion Ratio Lower Upper
 107 100
 109 95.3 66.7 123.9
 188 0.0 2.9 4.3#

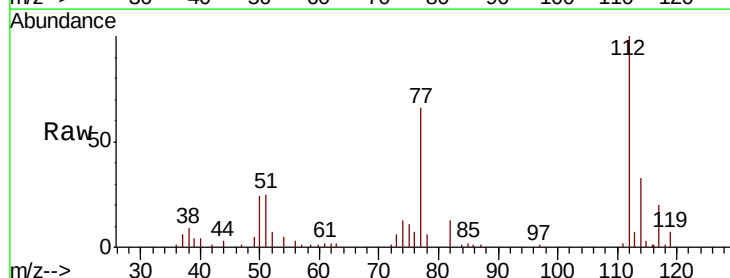


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

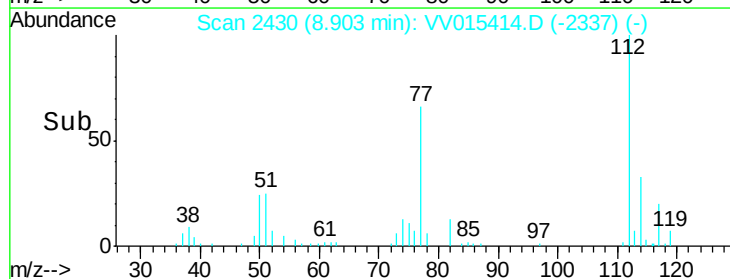
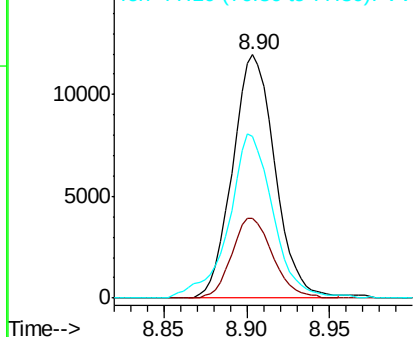


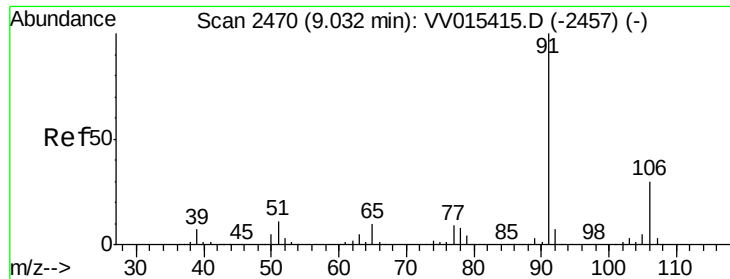
#51
 Chlorobenzene
 Concen: 0.967 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV015414.D
 Acq: 09 Apr 2020 12:19

Tgt Ion:112 Resp: 21272
 Ion Ratio Lower Upper
 112 100
 114 32.7 22.9 42.5
 77 66.5 49.8 74.8



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): VV0





#52

Ethylbenzene

Concen: 0.978 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV015414.D

Acq: 09 Apr 2020 12:19

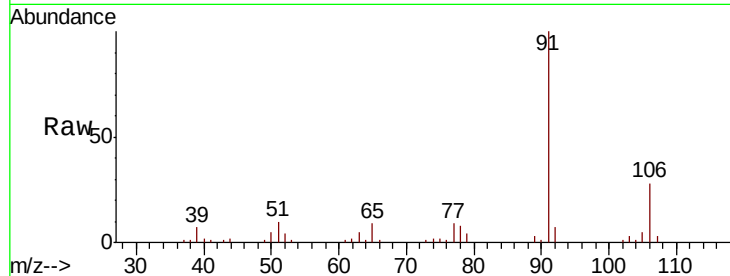
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 38408

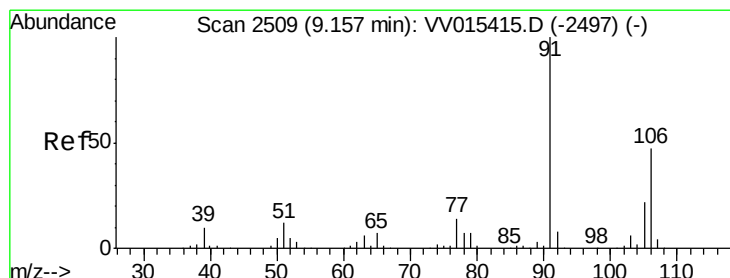
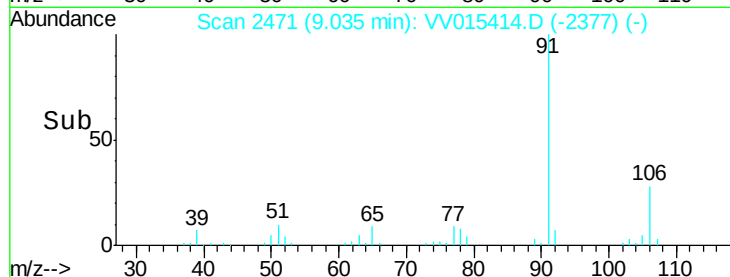
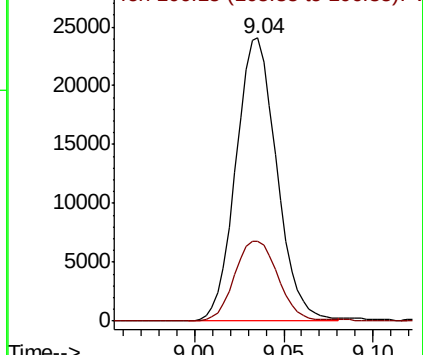
Ion Ratio Lower Upper

91 100

106 28.4 20.8 38.6



Abundance Ion 91.15 (90.85 to 91.85): VV015414.D (-2377) (-)



#53

m,p-xylene

Concen: 0.956 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV015414.D

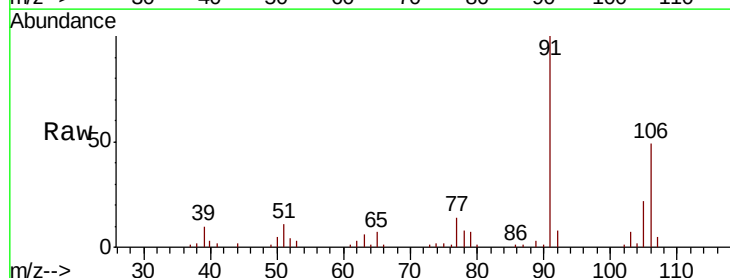
Acq: 09 Apr 2020 12:19

Tgt Ion: 106 Resp: 14455

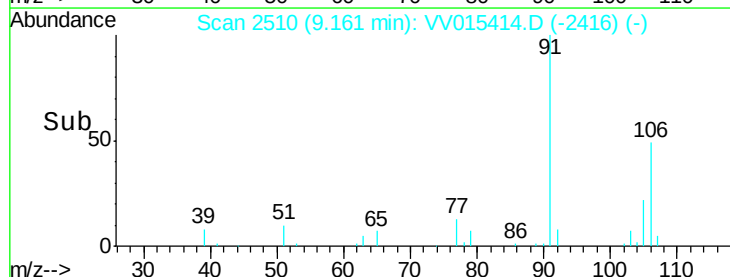
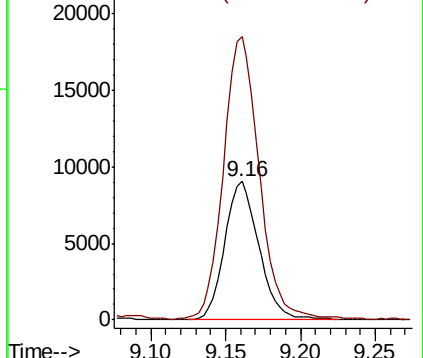
Ion Ratio Lower Upper

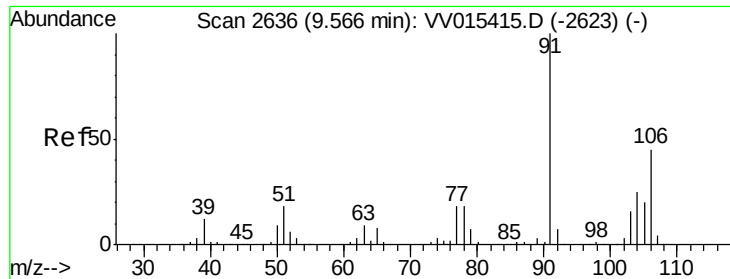
106 100

91 204.8 147.9 274.7



Abundance Ion 106.15 (105.85 to 106.85): VV015414.D (-2416) (-)

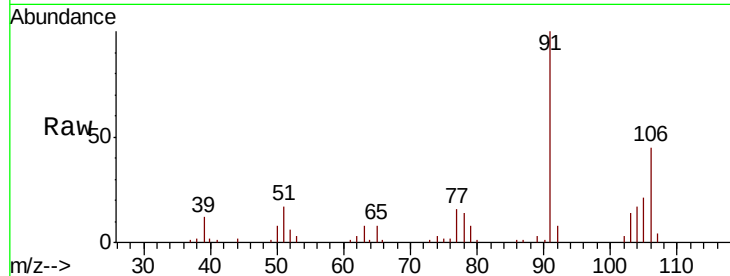




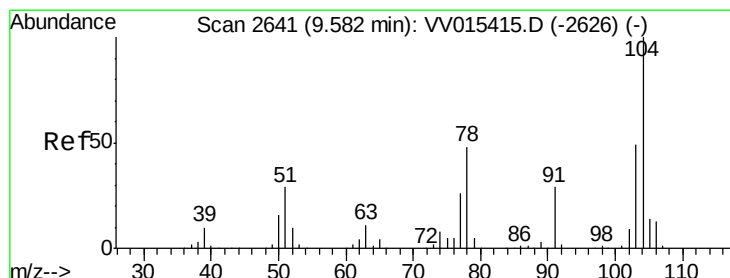
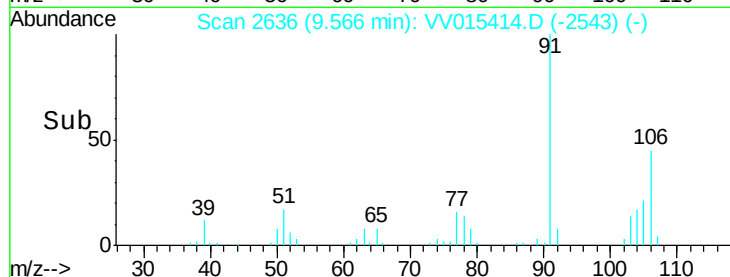
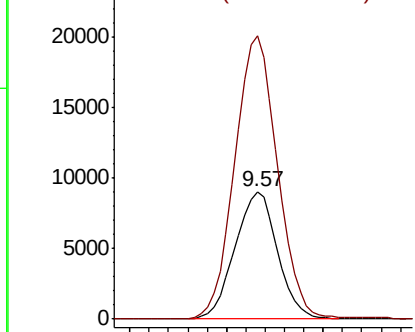
#54
o-xylene
Concen: 0.947 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV015414.D
Acq: 09 Apr 2020 12:19

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 13864
Ion Ratio Lower Upper
106 100
91 221.8 154.5 286.9

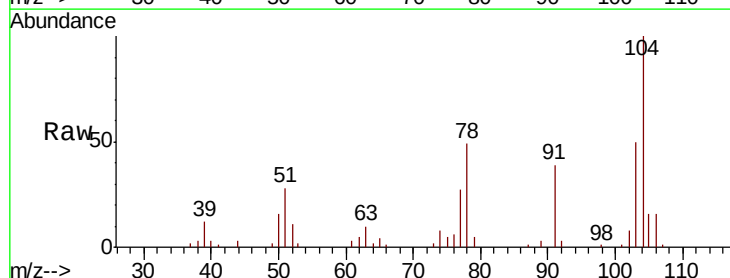


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

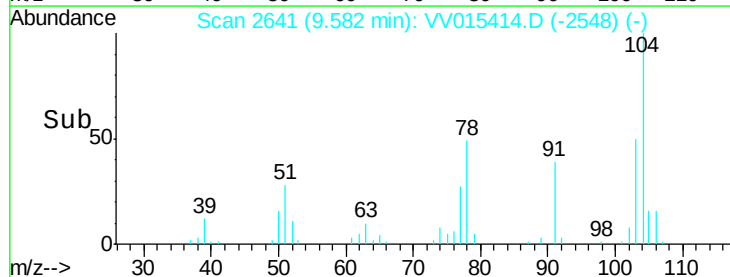
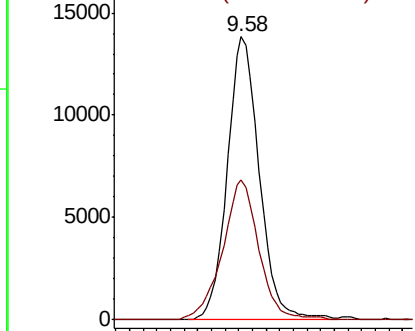


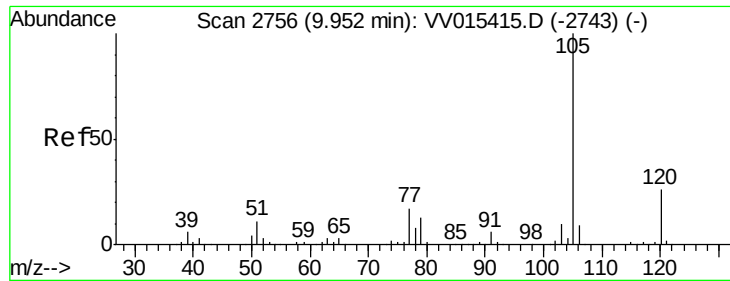
#55
Styrene
Concen: 0.934 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV015414.D
Acq: 09 Apr 2020 12:19

Tgt Ion:104 Resp: 22617
Ion Ratio Lower Upper
104 100
78 49.4 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: 1.007 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV015414.D

Acq: 09 Apr 2020 12:19

Instrument :

MSVOA_V

ClientSampleId :

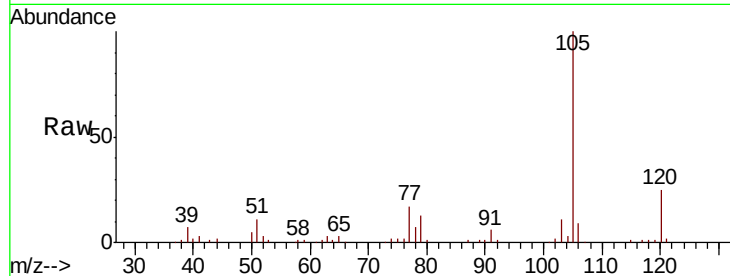
Tot Ion:105 Resp: 39567

Ion Ratio Lower Upper

105 100

120 25.2 20.7 31.1

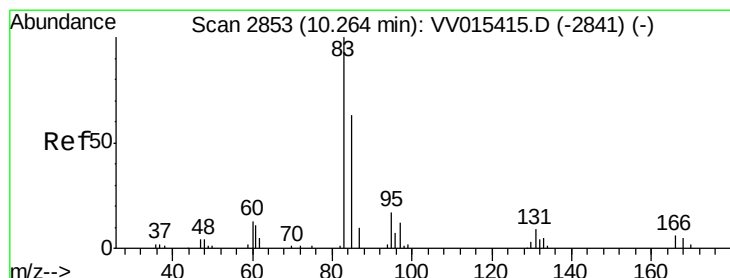
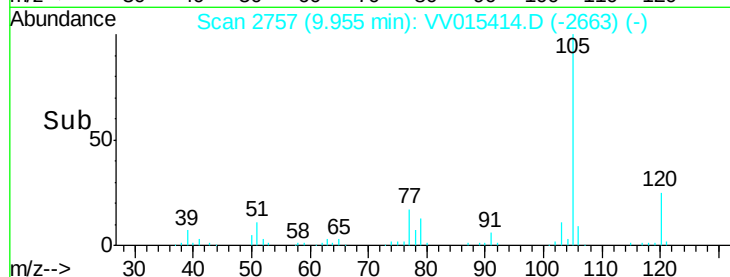
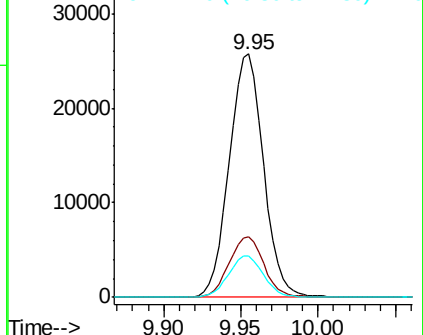
77 17.3 13.5 20.3



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: 1.020 ug/L

RT: 10.27 min Scan# 2854

Delta R.T. 0.00 min

Lab File: VV015414.D

Acq: 09 Apr 2020 12:19

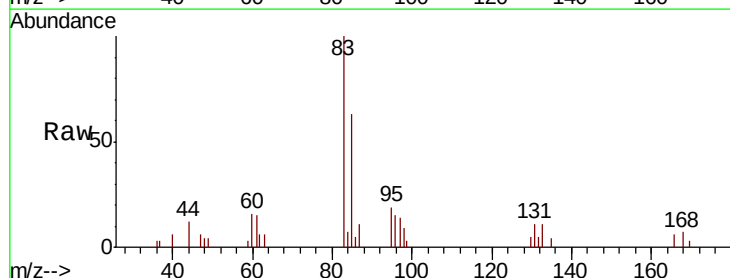
Tgt Ion: 83 Resp: 6100

Ion Ratio Lower Upper

83 100

85 63.4 44.5 82.7

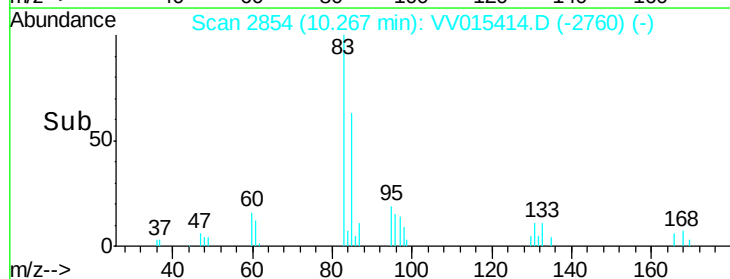
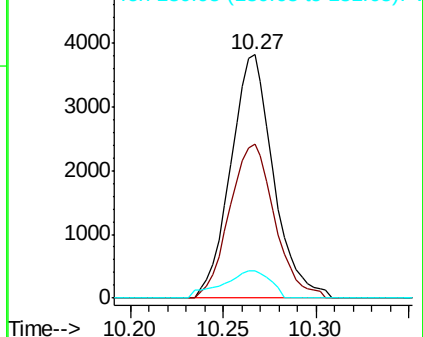
131 11.1 7.5 11.3

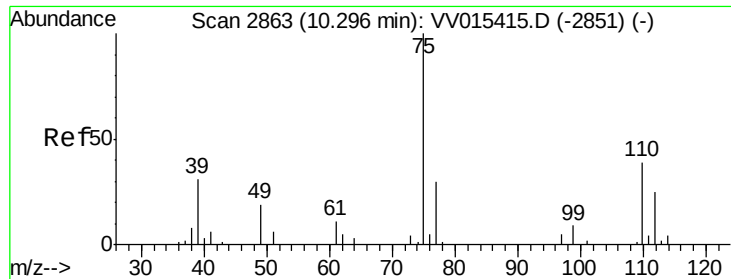


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 1.009 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV015414.D

Acq: 09 Apr 2020 12:19

Instrument :

MSVOA_V

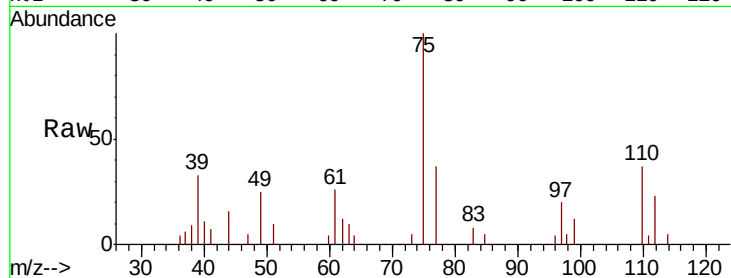
ClientSampleId :

Tot Ion: 75 Resp: 4561

Ion Ratio Lower Upper

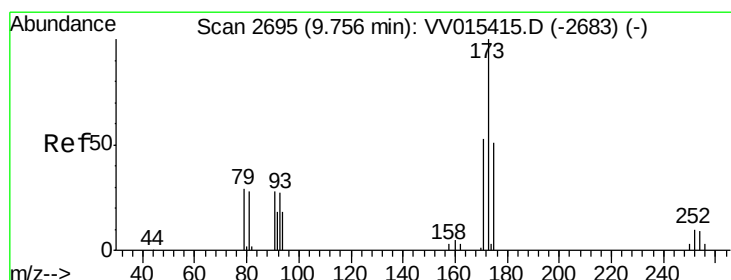
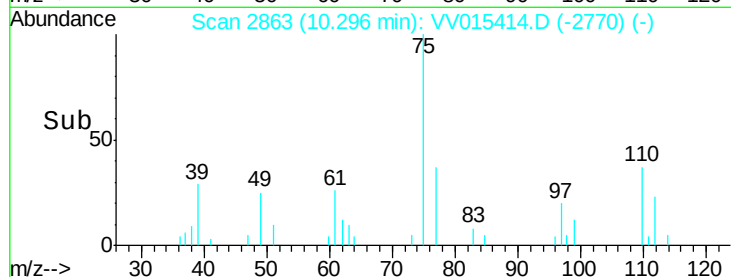
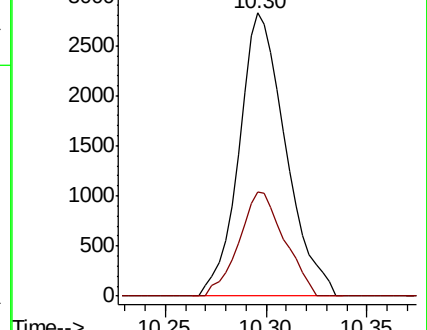
75 100

77 35.8 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VV015415.D (-2851) (-)

Ion 77.00 (76.70 to 77.70): VV015415.D (-2851) (-)



#61

Bromoform

Concen: 1.033 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV015414.D

Acq: 09 Apr 2020 12:19

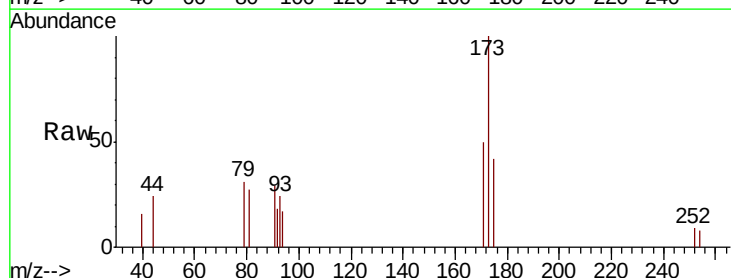
Tgt Ion: 173 Resp: 2928

Ion Ratio Lower Upper

173 100

175 46.7 38.2 57.2

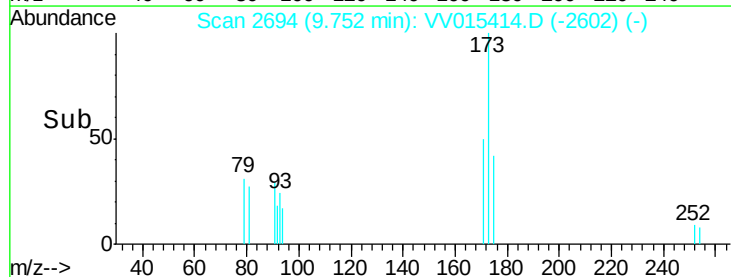
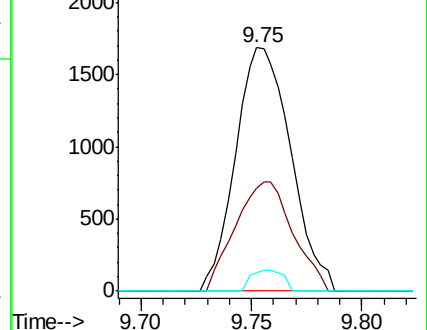
254 5.0 6.6 10.0#

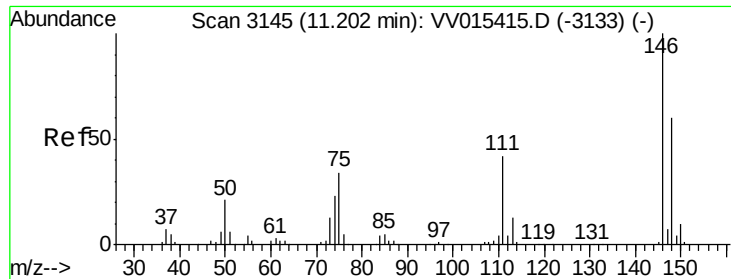


Abundance Ion 172.90 (172.60 to 173.60): VV015415.D (-2683) (-)

Ion 174.90 (174.60 to 175.60): VV015415.D (-2683) (-)

Ion 253.75 (253.45 to 254.45): VV015415.D (-2683) (-)





#62

1,3-Dichlorobenzene

Concen: 0.953 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV015414.D

Acq: 09 Apr 2020 12:19

Instrument :

MSVOA_V

ClientSampled :

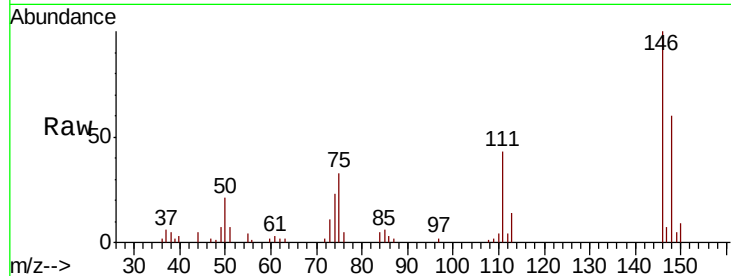
Tot Ion:146 Resp: 16864

Ion Ratio Lower Upper

146 100

111 43.0 29.3 54.5

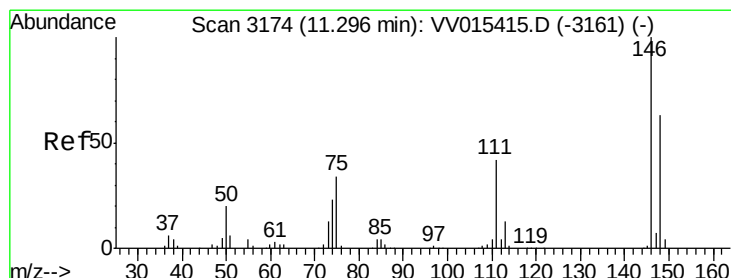
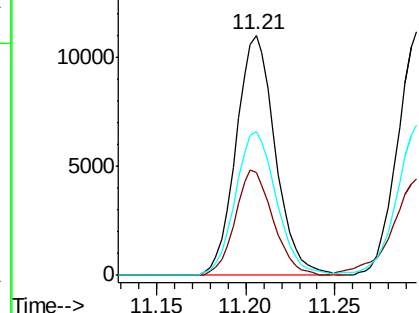
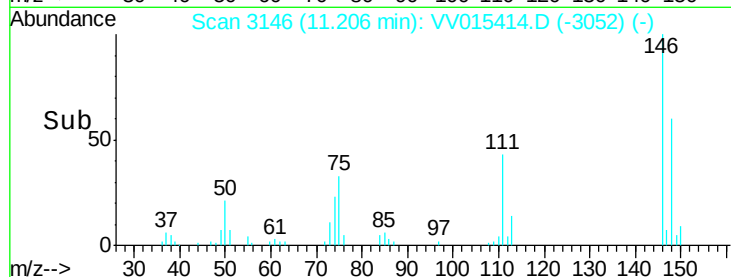
148 59.8 42.4 78.6



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: 0.984 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV015414.D

Acq: 09 Apr 2020 12:19

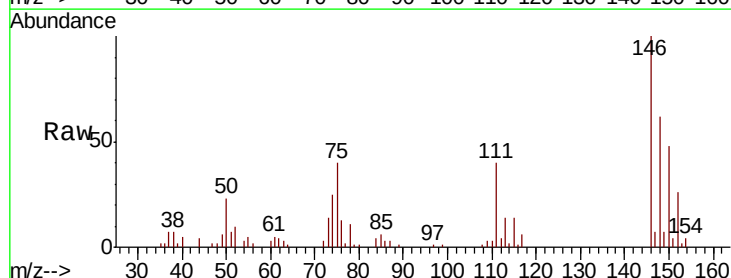
Tgt Ion:146 Resp: 17475

Ion Ratio Lower Upper

146 100

111 39.7 29.4 54.6

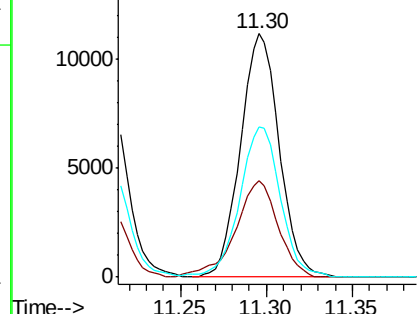
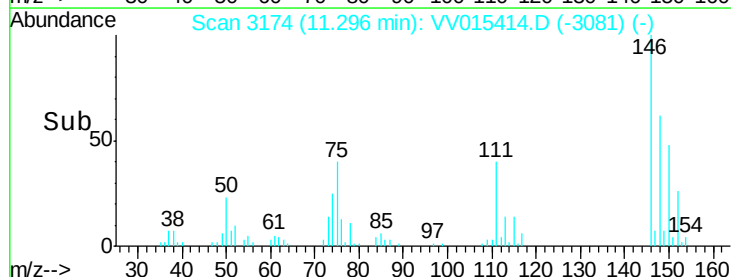
148 61.9 44.3 82.3

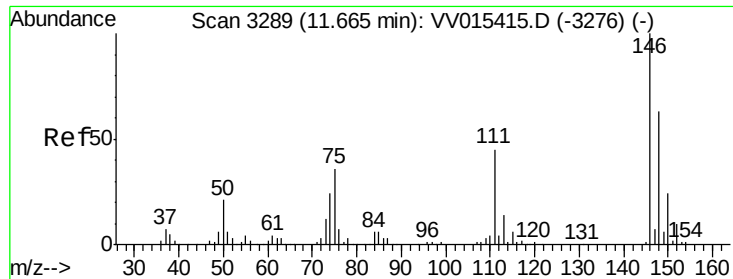


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

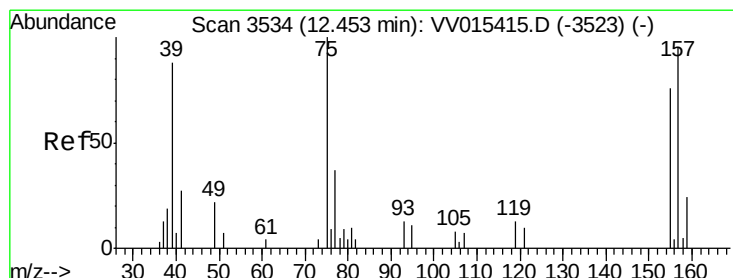
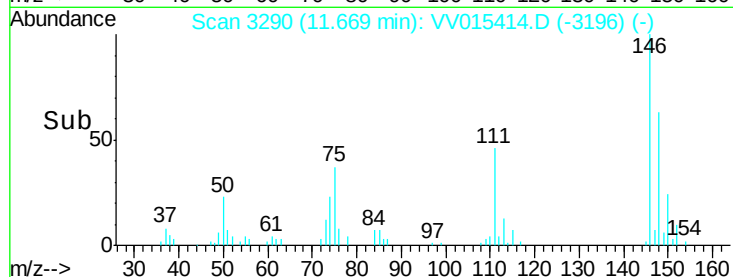
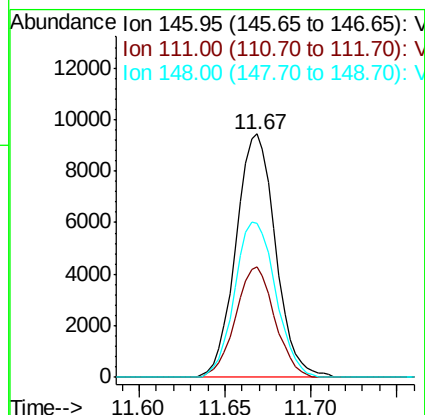
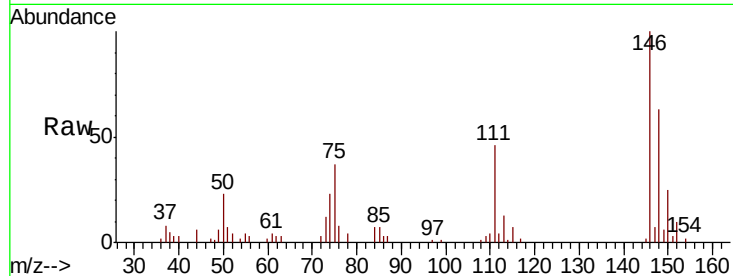




#65
 1,2-Dichlorobenzene
 Concen: 0.960 ug/L
 RT: 11.67 min Scan# 3290
 Delta R.T. 0.00 min
 Lab File: VV015414.D
 Acq: 09 Apr 2020 12:19

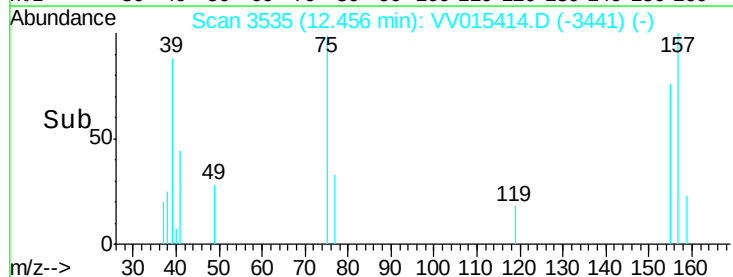
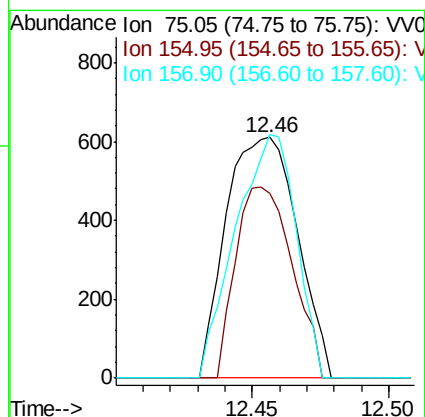
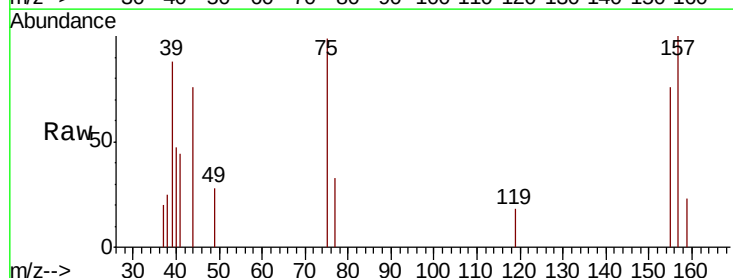
Instrument :
 MSVOA_V
 ClientSampled :

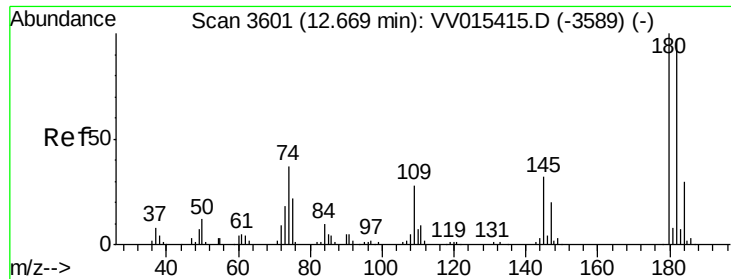
Tot Ion:146 Resp: 15156
 Ion Ratio Lower Upper
 146 100
 111 45.6 35.8 53.6
 148 63.3 50.2 75.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.971 ug/L
 RT: 12.46 min Scan# 3535
 Delta R.T. 0.00 min
 Lab File: VV015414.D
 Acq: 09 Apr 2020 12:19

Tgt Ion: 75 Resp: 1110
 Ion Ratio Lower Upper
 75 100
 155 76.9 60.8 91.2
 157 101.3 75.7 113.5

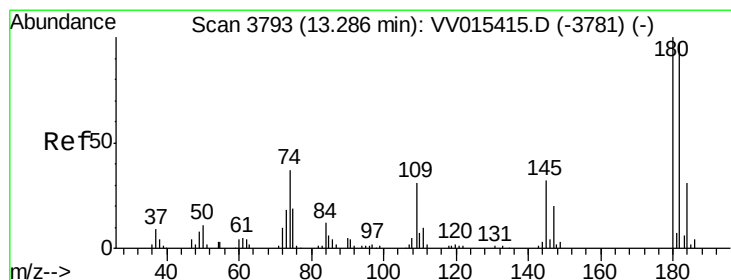
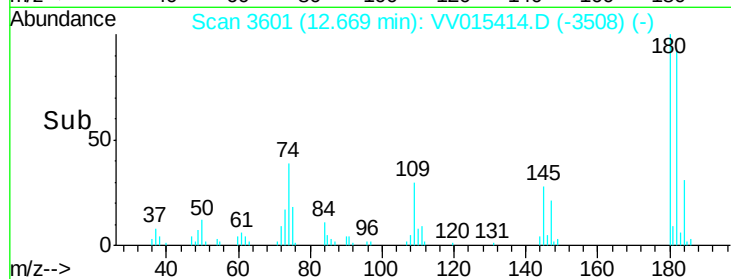
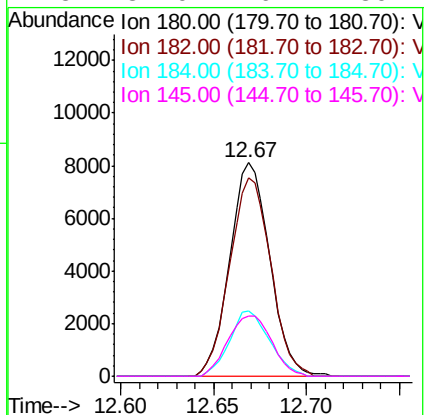
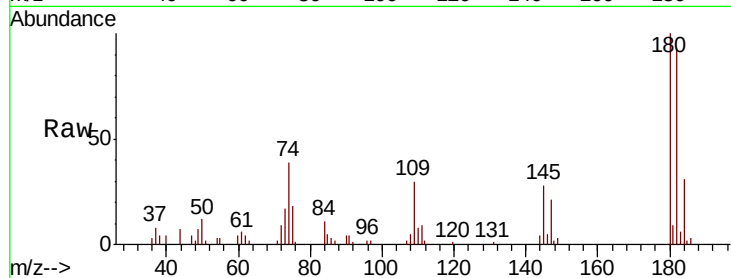




#67
 1,3,5-Trichlorobenzene
 Concen: 0.987 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV015414.D
 Acq: 09 Apr 2020 12:19

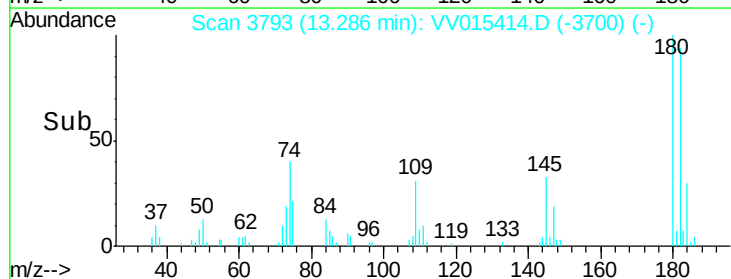
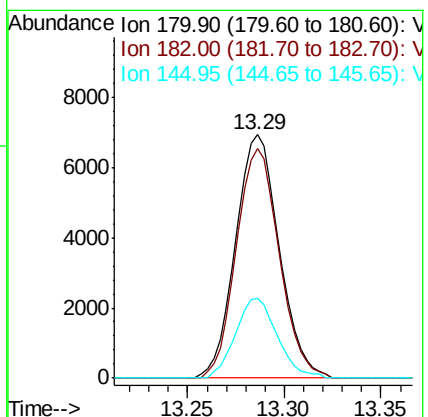
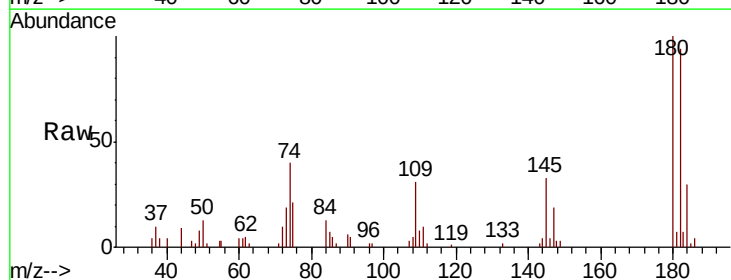
Instrument :
 MSVOA_V
 ClientSampleId :

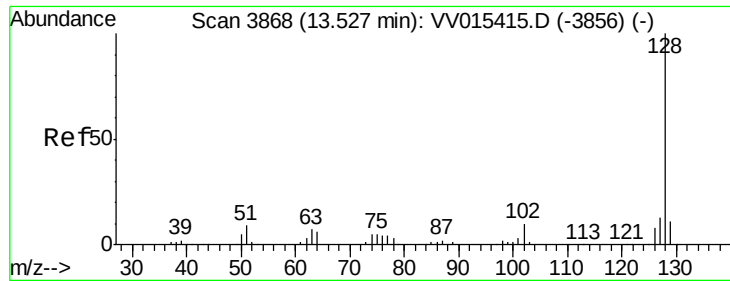
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.9	115.3
184	30.7	24.0	36.0
145	31.0	26.1	39.1



#68
 1,2,4-trichlorobenzene
 Concen: 1.000 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV015414.D
 Acq: 09 Apr 2020 12:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.6	76.6	115.0
145	31.4	25.9	38.9





#69

Naphthalene

Concen: 0.774 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV015414.D

Acq: 09 Apr 2020 12:19

Instrument :

MSVOA_V

ClientSampleId :

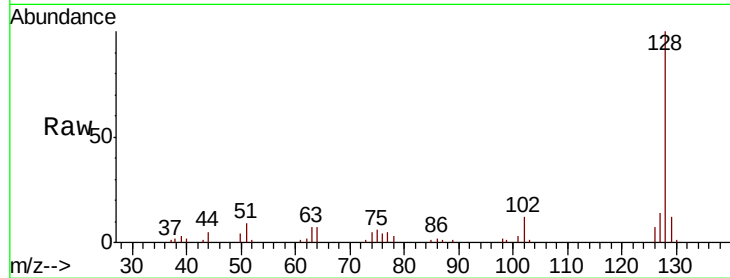
Tot Ion:128 Resp: 19403

Ion Ratio Lower Upper

128 100

129 11.1 8.6 13.0

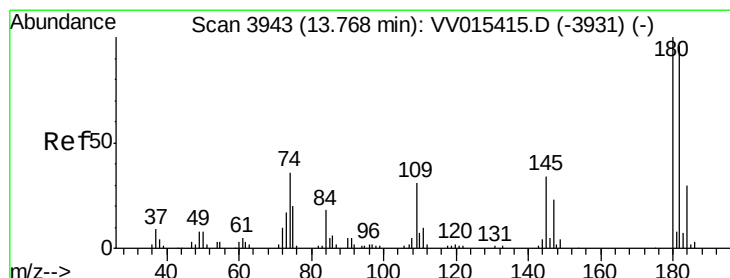
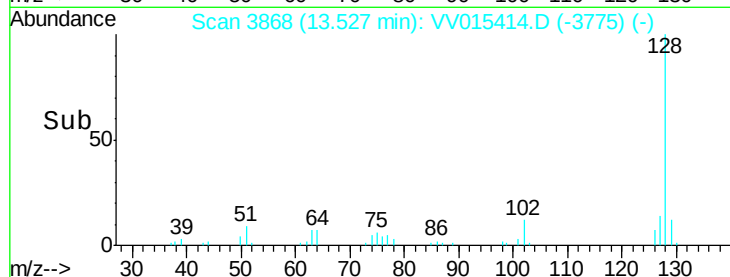
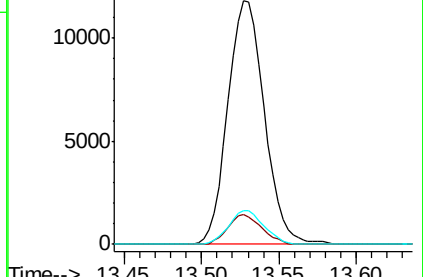
127 13.4 10.4 15.6



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: 0.993 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV015414.D

Acq: 09 Apr 2020 12:19

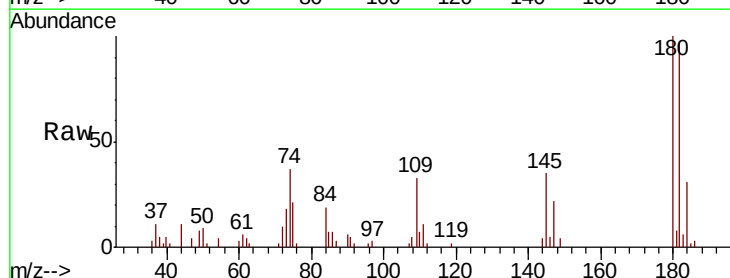
Tgt Ion:180 Resp: 9327

Ion Ratio Lower Upper

180 100

182 99.2 76.4 114.6

145 35.1 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

