

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052620\
 Data File : VV016193.D
 Acq On : 26 May 2020 15:48
 Operator : SY/MD
 Sample : VSTD00534
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 27 02:03:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed May 27 02:00:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	99907	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	96557	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	47579	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	32368	5.70	ug/L	0.00
7) Chloroethane-d5	1.58	69	27942	5.31	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	61820	5.22	ug/L	0.00
20) 2-Butanone-d5	3.97	46	81124	52.35	ug/L	0.00
24) Chloroform-d	4.38	84	64713	5.33	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	33671	4.96	ug/L	0.00
32) Benzene-d6	5.07	84	122048	5.24	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	36693	5.20	ug/L	0.00
41) Toluene-d8	7.34	98	118029	5.36	ug/L	0.00
45) trans-1,3-Dichloropropene-	7.64	79	14993	5.38	ug/L	0.00
48) 2-Hexanone-d5	8.12	63	65721	53.81	ug/L	0.00
59) 1,1,2,2-Tetrachloroethane-	10.24	84	28280	5.58	ug/L	0.00
65) 1,2-Dichlorobenzene-d4	11.65	152	40153	5.14	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	47042	5.905	ug/L 100
3) Chloromethane	1.25	50	49874	6.082	ug/L 100
5) Vinyl chloride	1.32	62	45981	5.922	ug/L 100
6) Bromomethane	1.53	94	26169	5.910	ug/L 100
8) Chloroethane	1.60	64	26525	4.885	ug/L 100
9) Trichlorofluoromethane	1.77	101	60566	5.758	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	33388	5.630	ug/L 100
12) 1,1-Dichloroethene	2.14	96	31529	5.585	ug/L 100
13) Acetone	2.25	43	51724	50.762	ug/L 100
14) Carbon disulfide	2.31	76	96750	5.265	ug/L 100
15) Methyl Acetate	2.47	43	14182	5.832	ug/L 100
16) Methylene chloride	2.52	84	33903	5.078	ug/L 100
17) Methyl tert-butyl Ether	2.79	73	77638	5.347	ug/L 100
18) trans-1,2-Dichloroethene	2.78	96	34313	5.529	ug/L 100
19) 1,1-Dichloroethane	3.21	63	62748	5.297	ug/L 100
21) 2-Butanone	4.05	43	92967	57.727	ug/L 100
22) cis-1,2-Dichloroethene	3.94	96	37963	5.746	ug/L 100
23) Bromochloromethane	4.28	128	15553	5.609	ug/L 100
25) Chloroform	4.41	83	69269	5.316	ug/L 100
27) 1,2-Dichloroethane	5.16	62	44773	5.491	ug/L 100
29) 1,1,1-Trichloroethane	4.63	97	60923	5.580	ug/L 100
30) Cyclohexane	4.70	56	64301	5.799	ug/L 100
31) Carbon tetrachloride	4.85	117	51794	5.503	ug/L 100
33) Benzene	5.13	78	148242	5.875	ug/L 100
34) Trichloroethene	5.94	95	37754	5.355	ug/L 100
35) Methylcyclohexane	6.15	83	64351	5.896	ug/L 100
37) 1,2-Dichloropropane	6.20	63	36272	5.655	ug/L 100
38) Bromodichloromethane	6.53	83	44677	5.575	ug/L 100
39) cis-1,3-Dichloropropene	7.05	75	51881	5.767	ug/L 100
40) 4-Methyl-2-pentanone	7.26	43	231633	58.306	ug/L 100

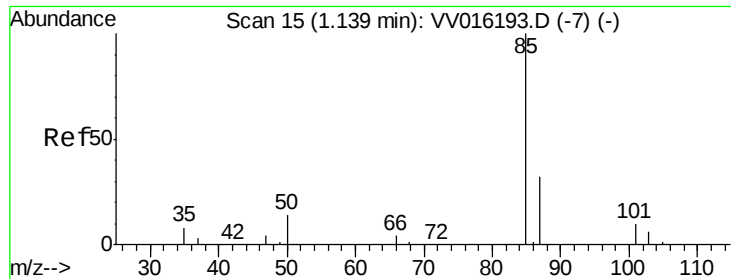
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052620\
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed May 27 02:00:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	161093	6.005	ug/L	100
43) 1,3,5-Trimethylbenzene	10.56	105	153234	6.177	ug/L	100
44) 1,2,4-Trimethylbenzene	10.94	105	155762	6.273	ug/L	100
46) trans-1,3-Dichloropropene	7.68	75	44080	5.800	ug/L	100
47) 1,1,2-Trichloroethane	7.86	97	23921	5.609	ug/L	100
49) Tetrachloroethene	8.00	164	27990	5.625	ug/L	100
50) 2-Hexanone	8.17	43	165898	59.400	ug/L	100
51) Dibromochloromethane	8.27	129	25435	5.425	ug/L	100
52) 1,2-Dibromoethane	8.38	107	23023	5.842	ug/L	100
53) Chlorobenzene	8.90	112	99446	5.788	ug/L	100
54) Ethylbenzene	9.03	91	183955	6.012	ug/L	100
55) m,p-xylene	9.16	106	68841	6.086	ug/L	100
56) o-xylene	9.57	106	64375	5.955	ug/L	100
57) Styrene	9.58	104	111548	6.168	ug/L	100
58) Isopropylbenzene	9.95	105	177102	5.978	ug/L	100
60) 1,1,2,2-Tetrachloroethane	10.26	83	29356	6.277	ug/L	100
62) Bromoform	9.75	173	11198	5.077	ug/L	100
63) 1,3-Dichlorobenzene	11.20	146	77479	5.838	ug/L	100
64) 1,4-Dichlorobenzene	11.30	146	77479	5.779	ug/L	100
66) 1,2-Dichlorobenzene	11.67	146	70076	5.821	ug/L	100
67) 1,2-Dibromo-3-chloropropan	12.45	75	4841	6.067	ug/L	100
68) 1,3,5-Trichlorobenzene	12.67	180	54698	5.660	ug/L	100
69) 1,2,4-trichlorobenzene	13.29	180	47601	5.706	ug/L	100
70) Naphthalene	13.53	128	94129	6.744	ug/L	100
71) 1,2,3-Trichlorobenzene	13.77	180	42777	5.810	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 5.905 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV016193.D

Acq: 26 May 2020 15:48

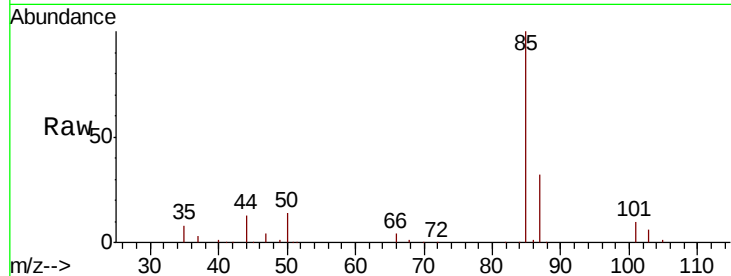
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 47042

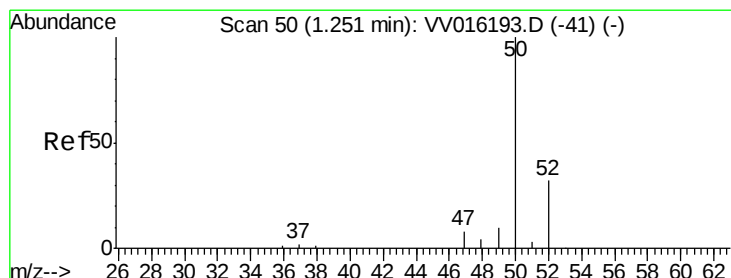
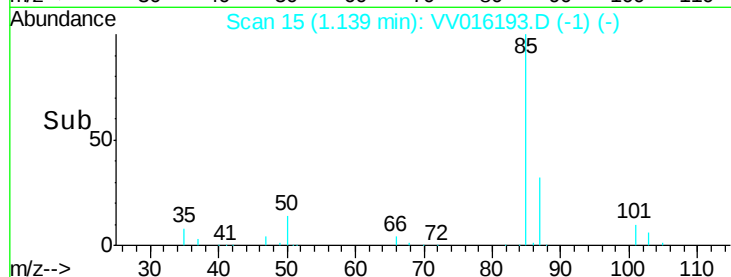
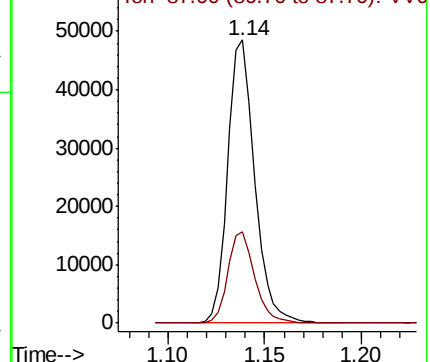
Ion Ratio Lower Upper

85 100

87 31.9 25.5 38.3



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



#3

Chloromethane

Concen: 6.082 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV016193.D

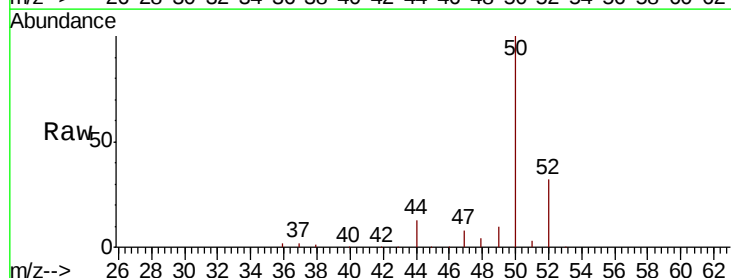
Acq: 26 May 2020 15:48

Tgt Ion: 50 Resp: 49874

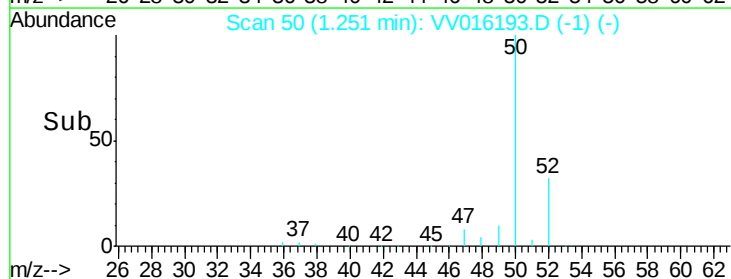
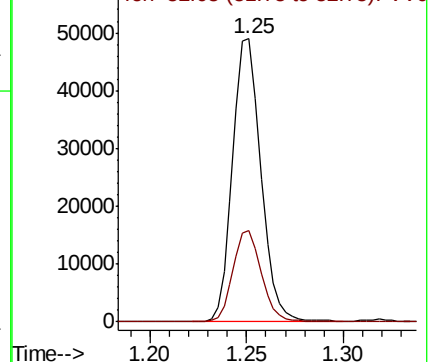
Ion Ratio Lower Upper

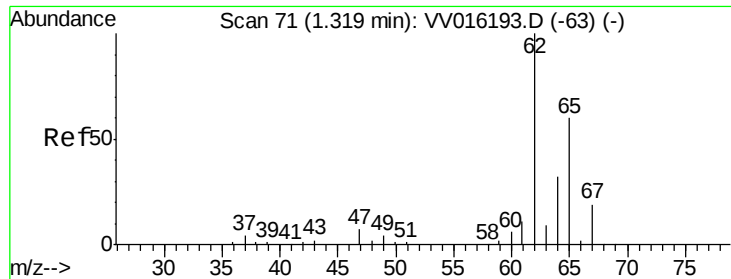
50 100

52 32.2 22.5 41.9



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





#5

Vinyl chloride

Concen: 5.922 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV016193.D

Acq: 26 May 2020 15:48

Instrument :

MSVOA_V

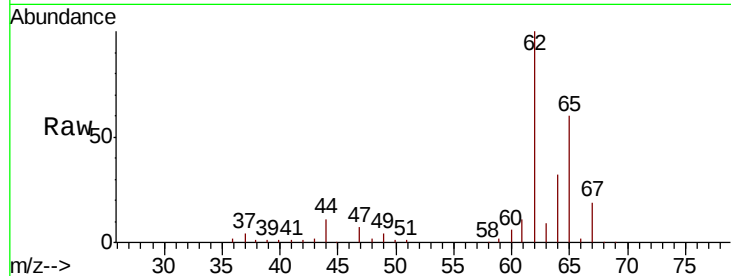
ClientSampled :

Tot Ion: 62 Resp: 45981

Ion Ratio Lower Upper

62 100

64 31.6 22.1 41.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

40000

30000

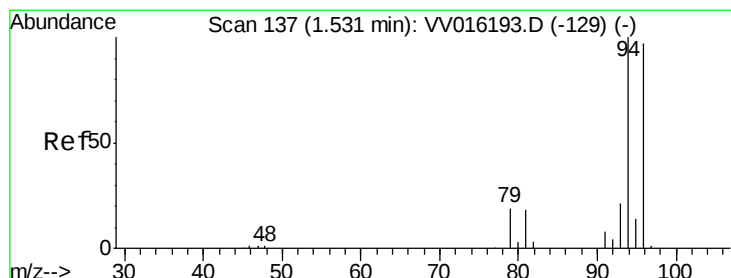
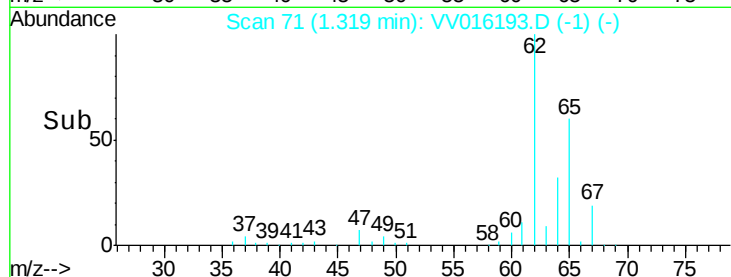
20000

10000

0

1.30 1.35

Time-->



#6

Bromomethane

Concen: 5.910 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV016193.D

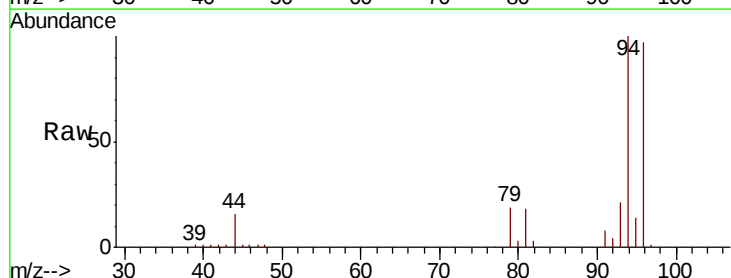
Acq: 26 May 2020 15:48

Tgt Ion: 94 Resp: 26169

Ion Ratio Lower Upper

94 100

96 96.7 67.7 125.7



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

25000

20000

15000

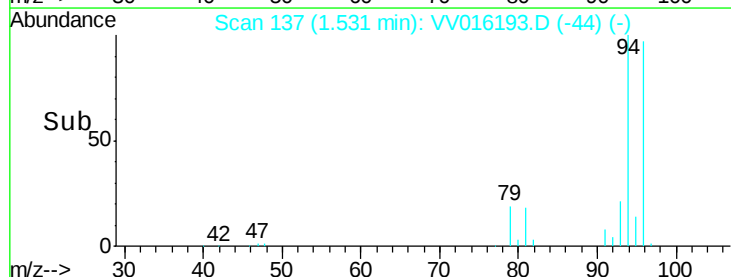
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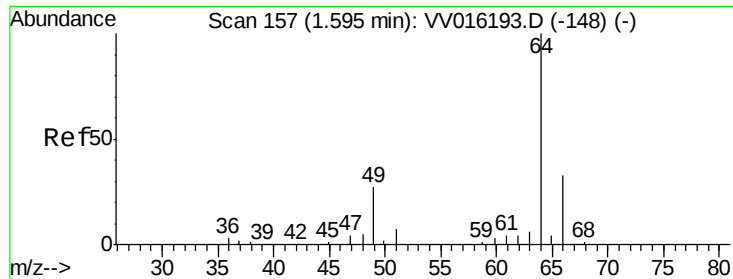
5000

0

1.50 1.55 1.60

Time-->

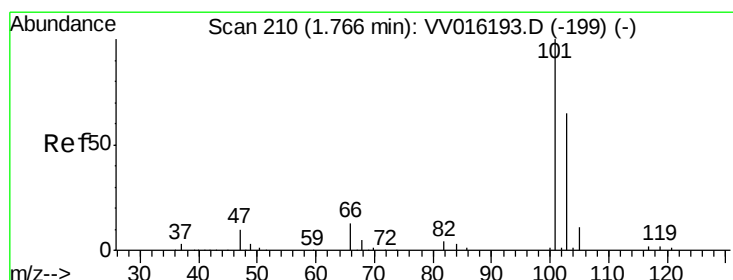
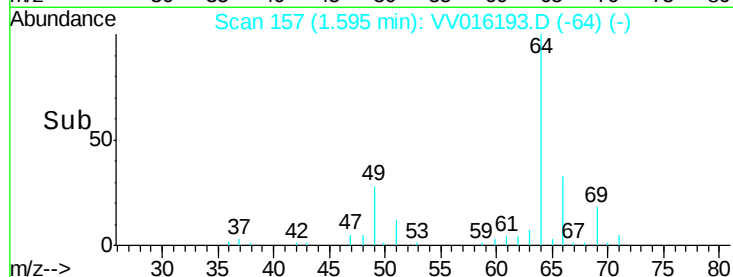
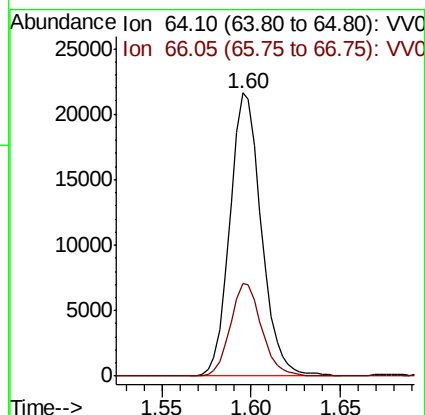
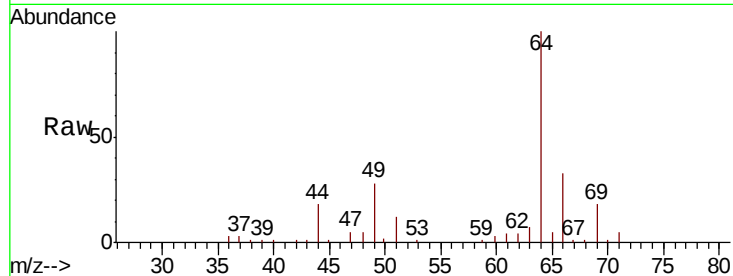




#8
Chloroethane
Concen: 4.885 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV016193.D
Acq: 26 May 2020 15:48

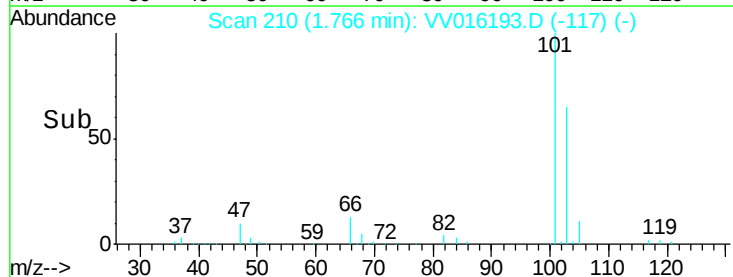
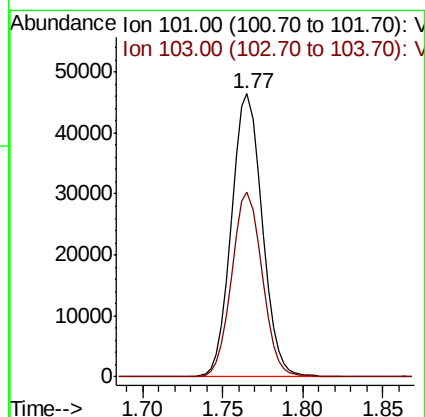
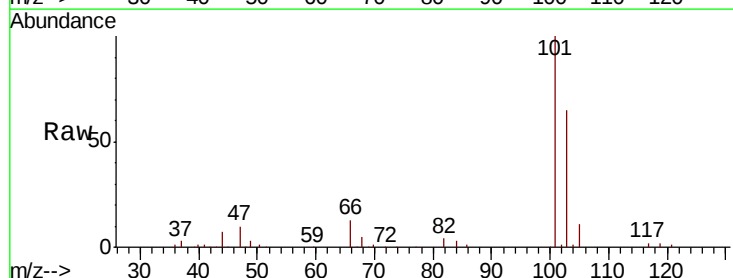
Instrument :
MSVOA_V
ClientSampleId :

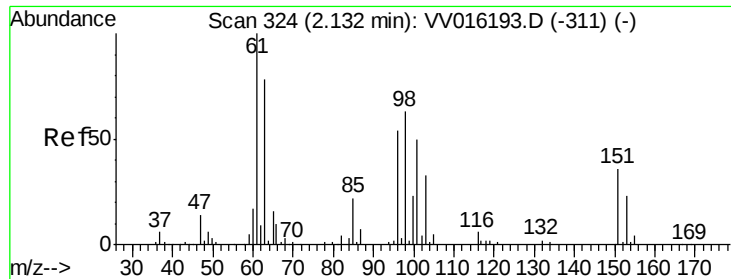
Tot Ion: 64 Resp: 26525
Ion Ratio Lower Upper
64 100
66 32.7 22.9 42.5



#9
Trichlorofluoromethane
Concen: 5.758 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV016193.D
Acq: 26 May 2020 15:48

Tgt Ion:101 Resp: 60566
Ion Ratio Lower Upper
101 100
103 64.9 51.9 77.9





#10

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

Concen: 5.630 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV016193.D

Acq: 26 May 2020 15:48

Instrument :

MSVOA_V

ClientSampled :

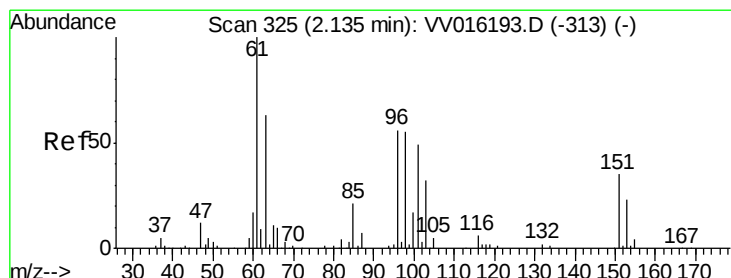
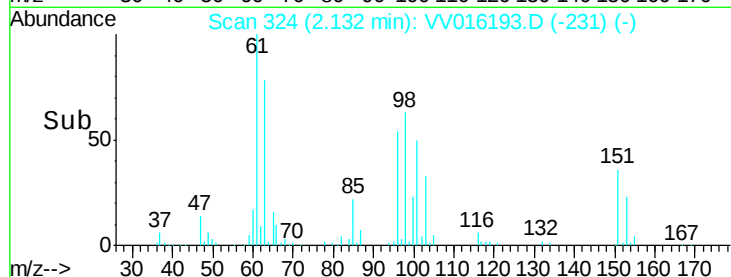
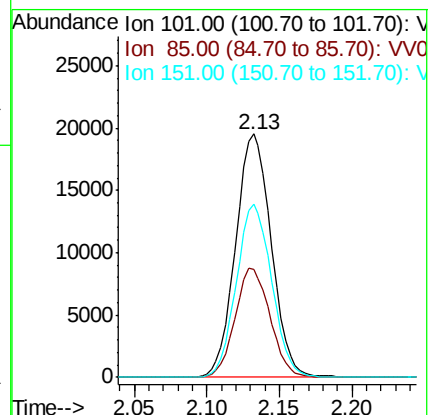
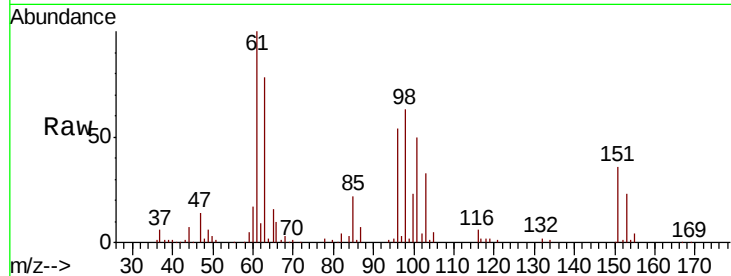
Tot Ion:101 Resp: 33388

Ion Ratio Lower Upper

101 100

85 43.8 35.0 52.6

151 70.4 56.3 84.5



#12

1,1-Dichloroethene

Concen: 5.585 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV016193.D

Acq: 26 May 2020 15:48

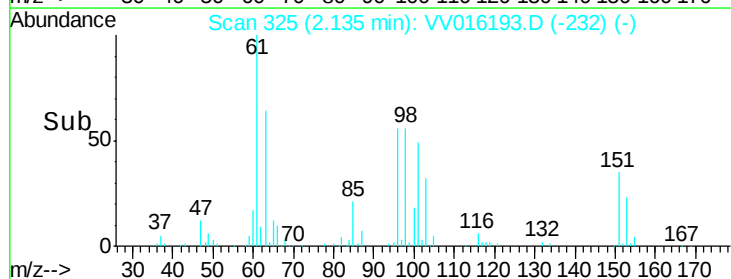
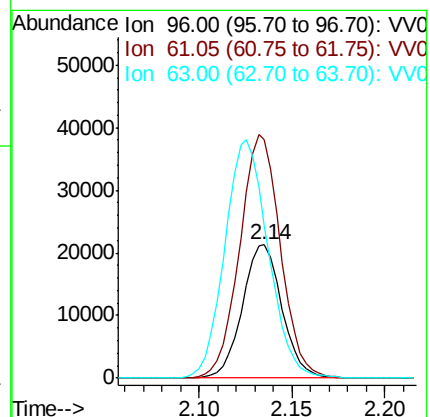
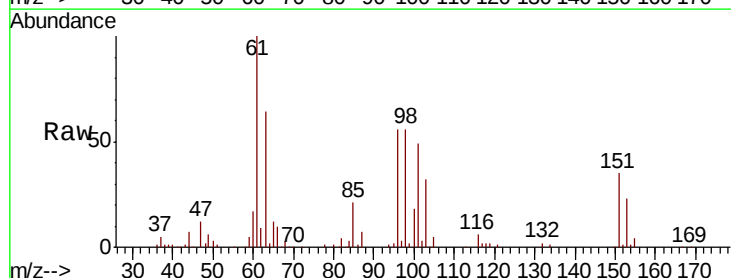
Tgt Ion: 96 Resp: 31529

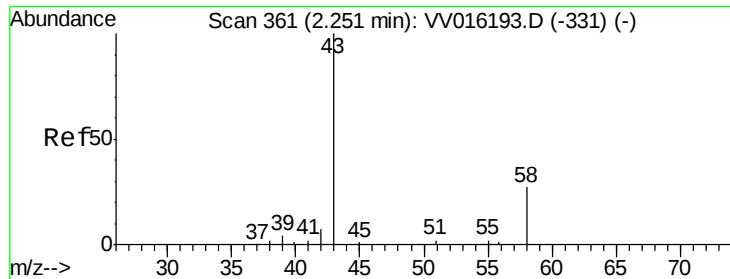
Ion Ratio Lower Upper

96 100

61 178.4 124.9 231.9

63 114.8 80.4 149.2





#13

Acetone

Concen: 50.762 ug/L

RT: 2.25 min Scan# 361

Delta R.T. 0.00 min

Lab File: VV016193.D

Acq: 26 May 2020 15:48

Instrument :

MSVOA_V

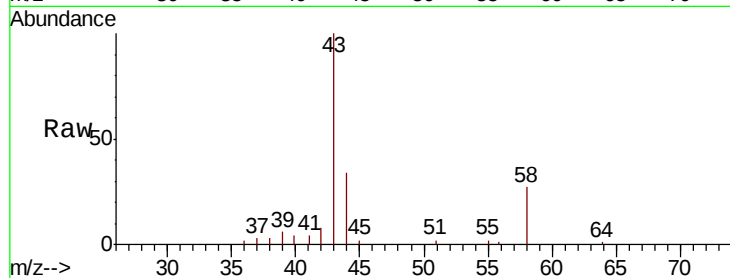
ClientSampleId :

Tot Ion: 43 Resp: 51724

Ion Ratio Lower Upper

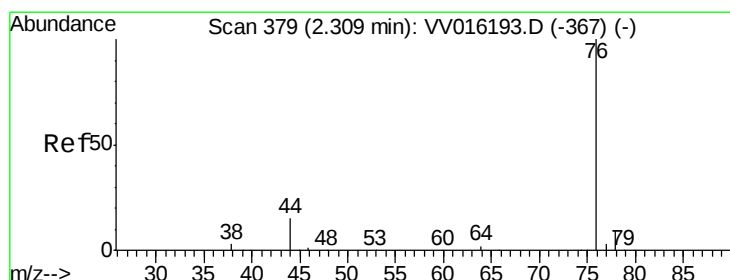
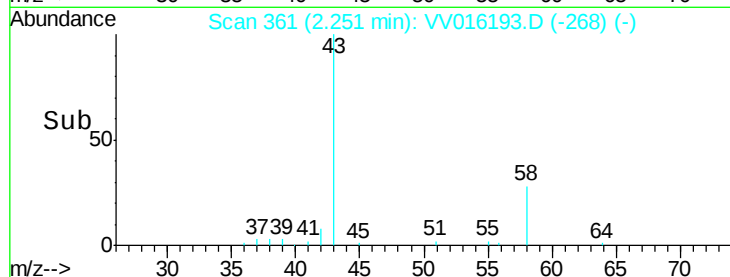
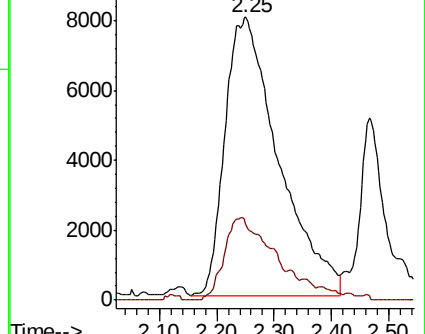
43 100

58 24.4 0.0 48.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 5.265 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV016193.D

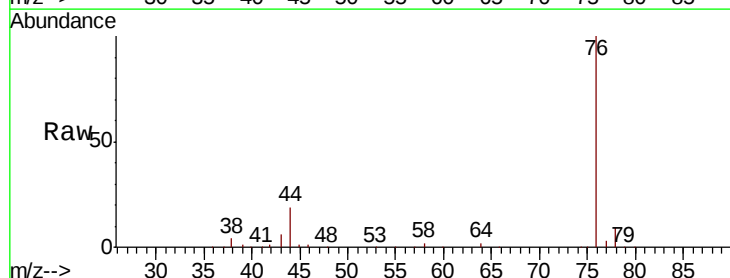
Acq: 26 May 2020 15:48

Tgt Ion: 76 Resp: 96750

Ion Ratio Lower Upper

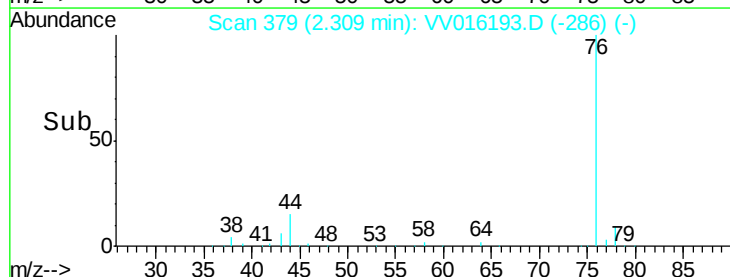
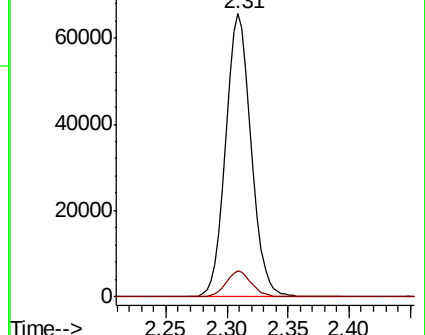
76 100

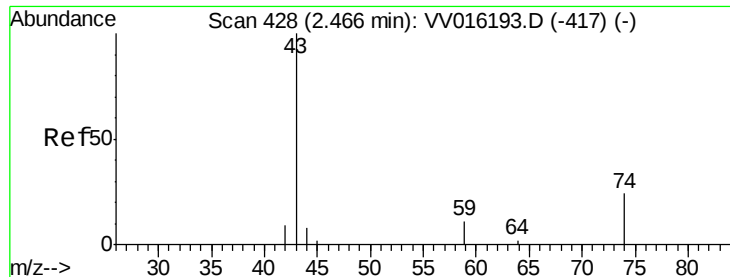
78 9.2 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

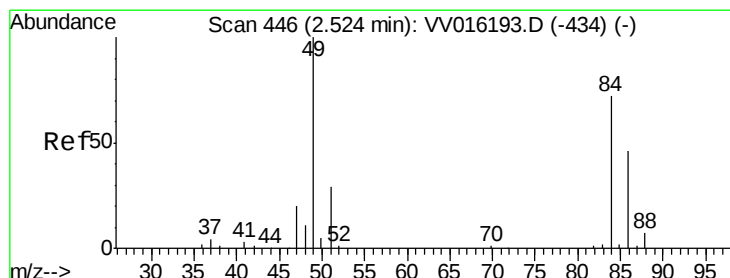
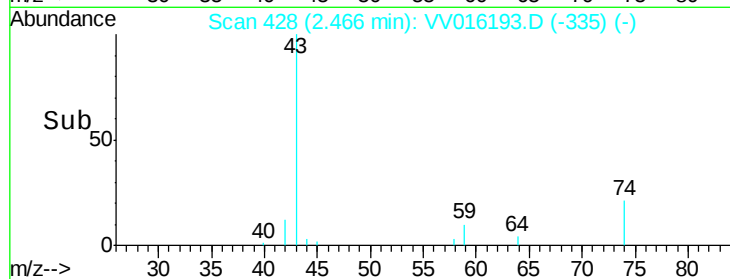
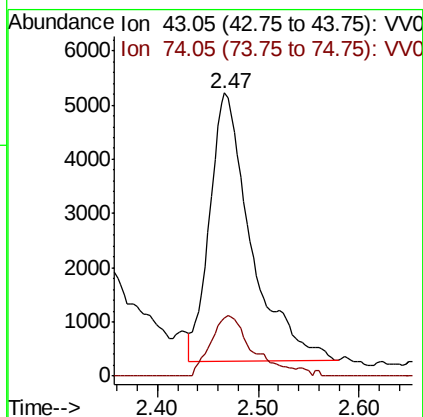
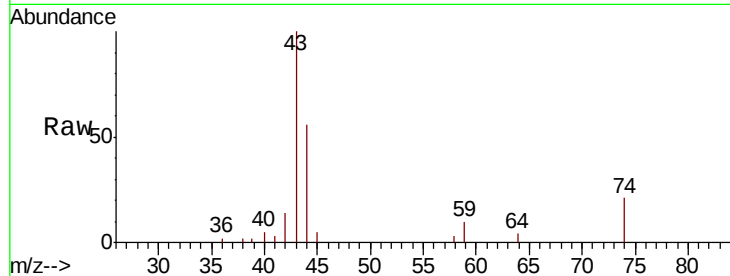




#15
Methvl Acetate
Concen: 5.832 ug/L
RT: 2.47 min Scan# 428
Delta R.T. 0.00 min
Lab File: VV016193.D
Acq: 26 May 2020 15:48

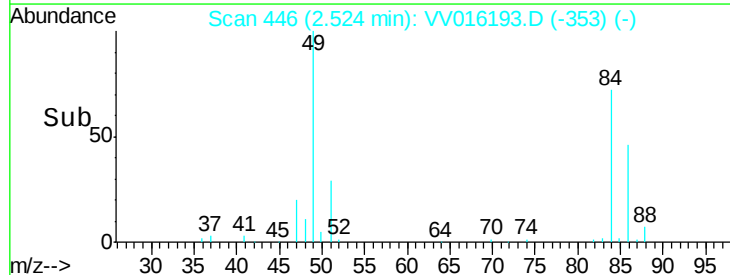
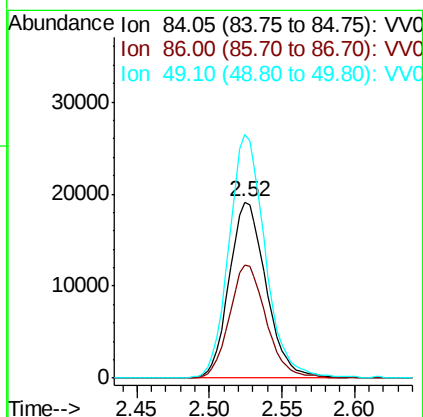
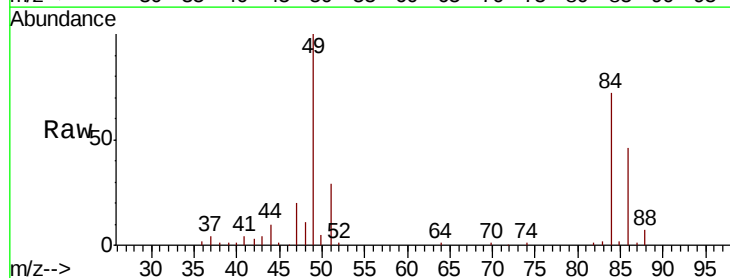
Instrument :
MSVOA_V
ClientSampled :

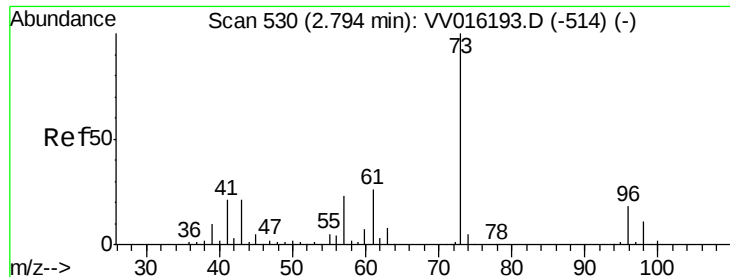
Tot Ion: 43 Resp: 14182
Ion Ratio Lower Upper
43 100
74 22.6 18.1 27.1



#16
Methylene chloride
Concen: 5.078 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV016193.D
Acq: 26 May 2020 15:48

Tgt Ion: 84 Resp: 33903
Ion Ratio Lower Upper
84 100
86 64.2 44.9 83.5
49 138.2 96.7 179.7

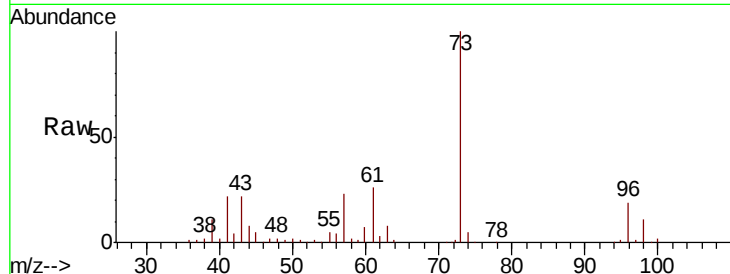




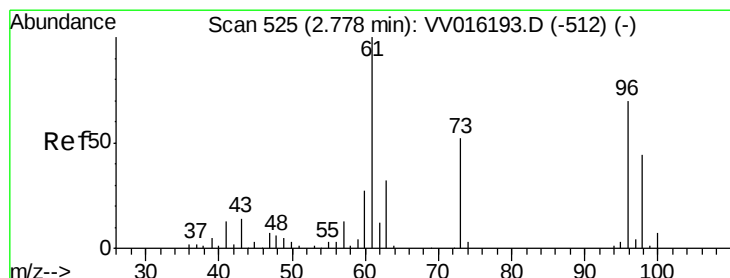
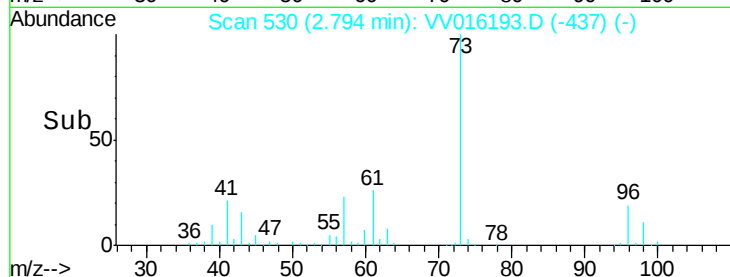
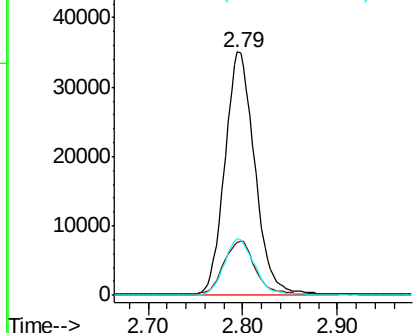
#17
Methvl tert-butvl Ether
Concen: 5.347 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV016193.D
Acq: 26 May 2020 15:48

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 73 Resp: 77638
Ion Ratio Lower Upper
73 100
43 22.3 17.8 26.8
57 23.6 18.9 28.3

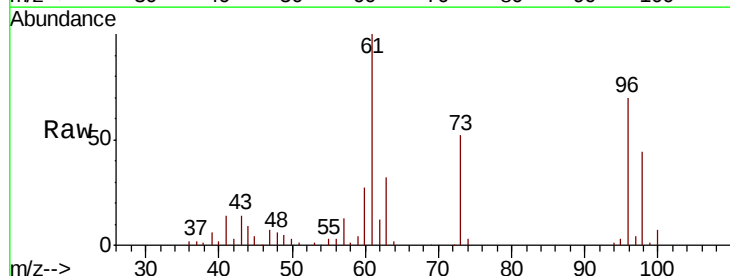


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

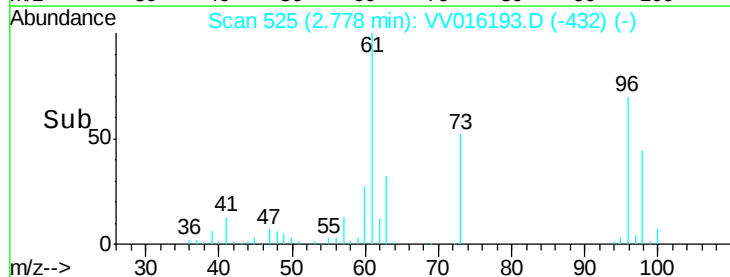
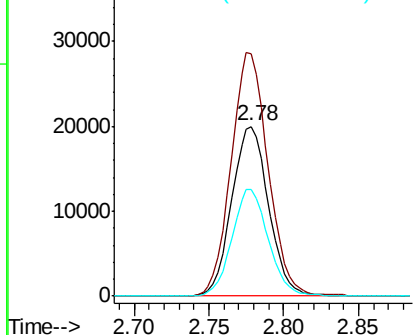


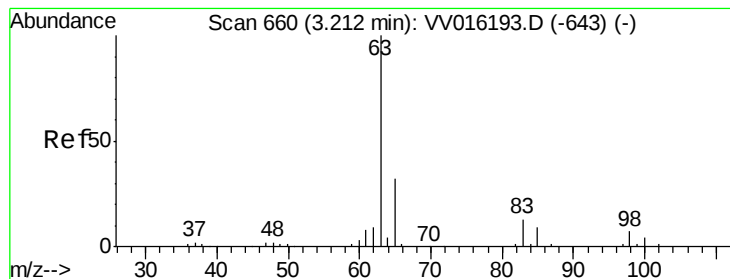
#18
trans-1,2-Dichloroethene
Concen: 5.529 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV016193.D
Acq: 26 May 2020 15:48

Tgt Ion: 96 Resp: 34313
Ion Ratio Lower Upper
96 100
61 142.6 99.8 185.4
98 62.8 44.0 81.6



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





#19

1,1-Dichloroethane

Concen: 5.297 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV016193.D

Acq: 26 May 2020 15:48

Instrument :

MSVOA_V

ClientSampleId :

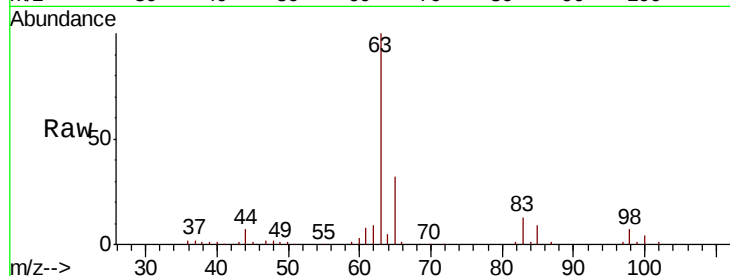
Tot Ion: 63 Resp: 62748

Ion Ratio Lower Upper

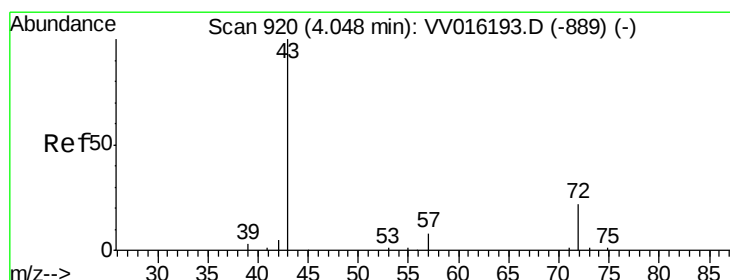
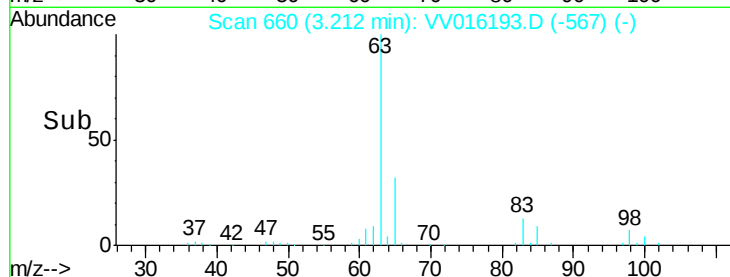
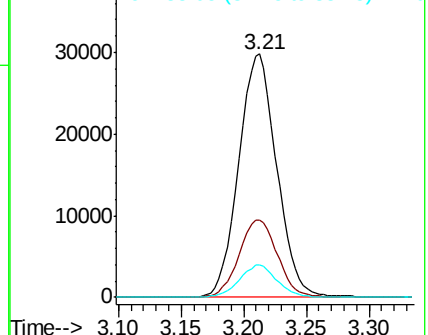
63 100

65 31.9 22.3 41.5

83 13.4 9.4 17.4



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: 57.727 ug/L

RT: 4.05 min Scan# 920

Delta R.T. 0.00 min

Lab File: VV016193.D

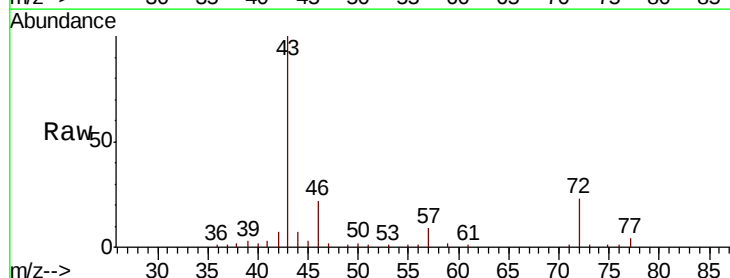
Acq: 26 May 2020 15:48

Tgt Ion: 43 Resp: 92967

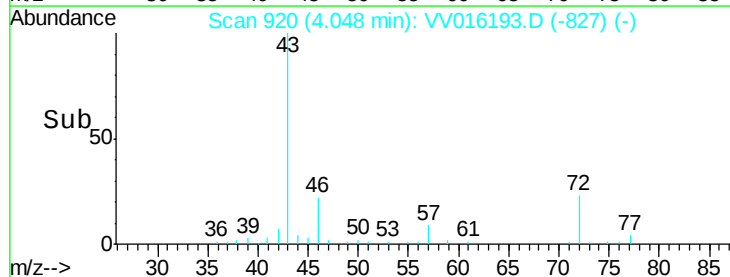
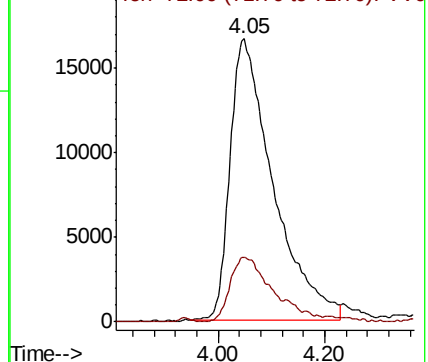
Ion Ratio Lower Upper

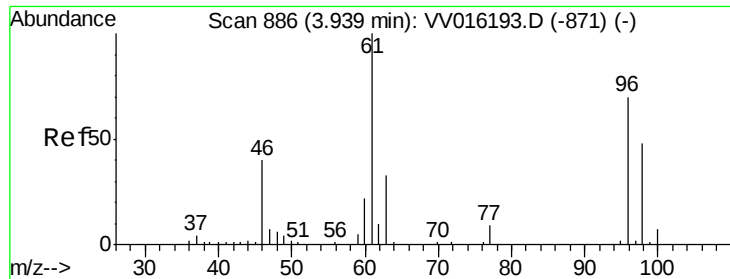
43 100

72 19.3 9.7 28.9



Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 72.00 (71.70 to 72.70): VV0



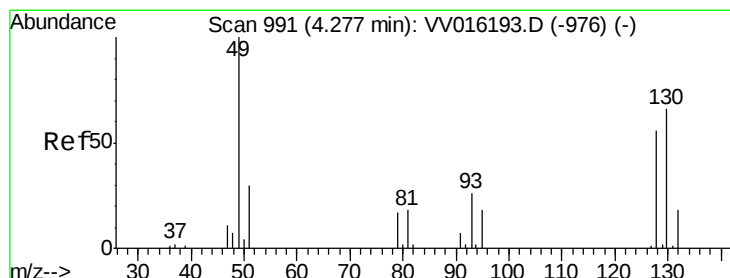
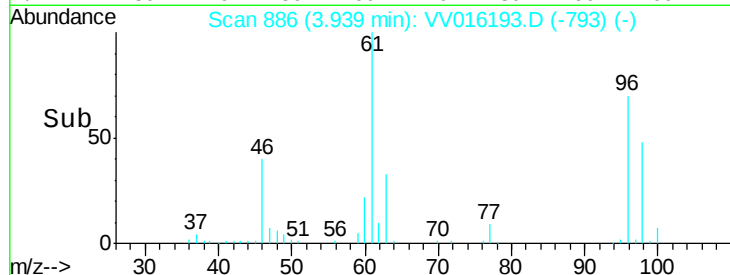
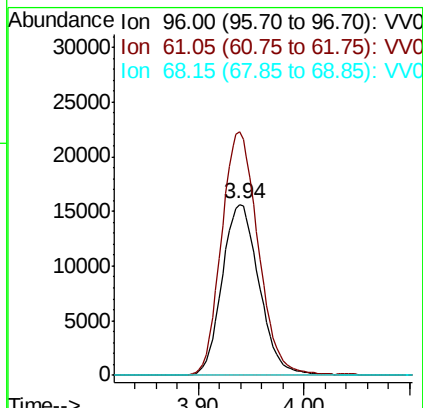
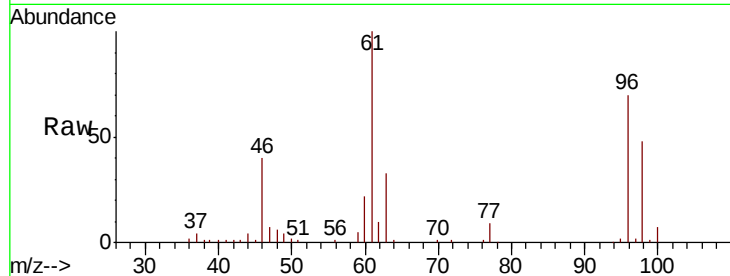


#22

cis-1,2-Dichloroethene
 Concen: 5.746 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV016193.D
 Acq: 26 May 2020 15:48

Instrument :
 MSVOA_V
 ClientSampled :

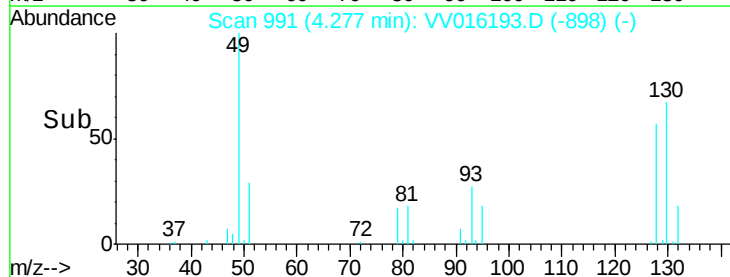
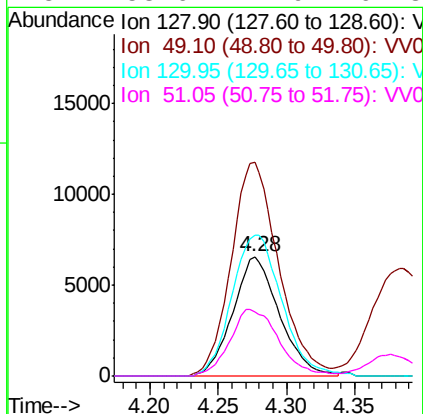
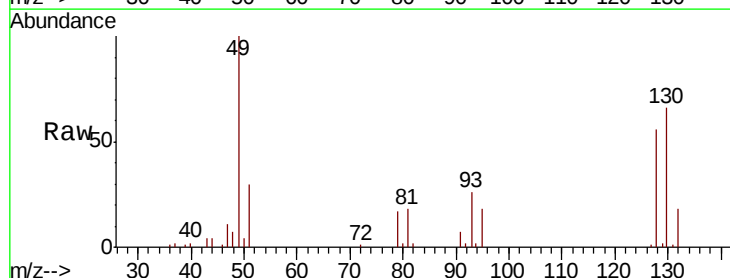
Tot Ion: 96 Resp: 37963
 Ion Ratio Lower Upper
 96 100
 61 142.4 99.7 185.1
 68 0.0 0.0 0.0

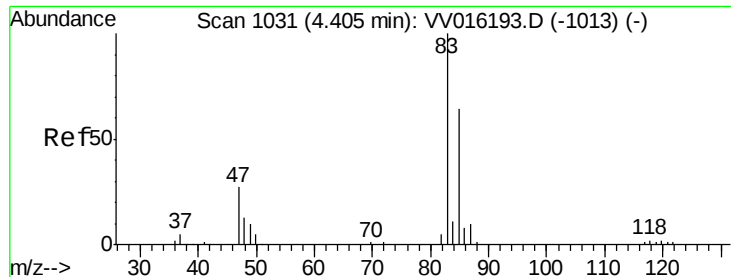


#23

Bromochloromethane
 Concen: 5.609 ug/L
 RT: 4.28 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VV016193.D
 Acq: 26 May 2020 15:48

Tgt Ion: 128 Resp: 15553
 Ion Ratio Lower Upper
 128 100
 49 179.3 125.5 233.1
 130 118.6 83.0 154.2
 51 53.6 42.9 64.3

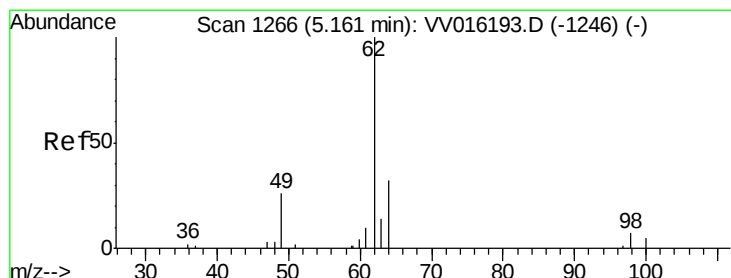
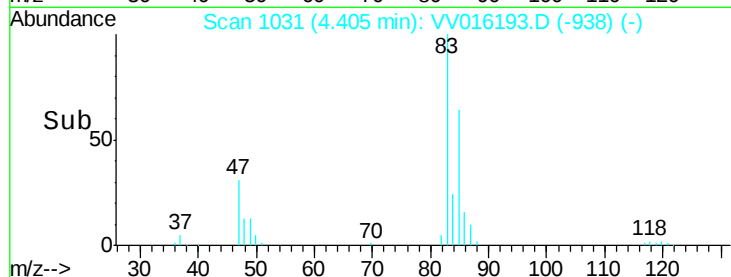
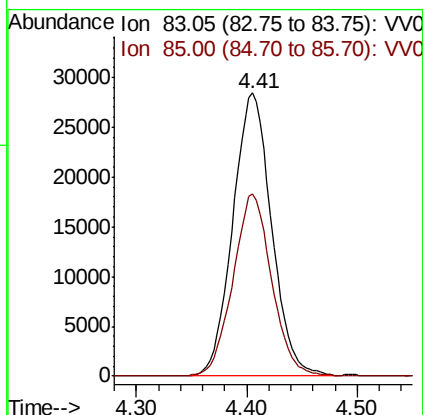
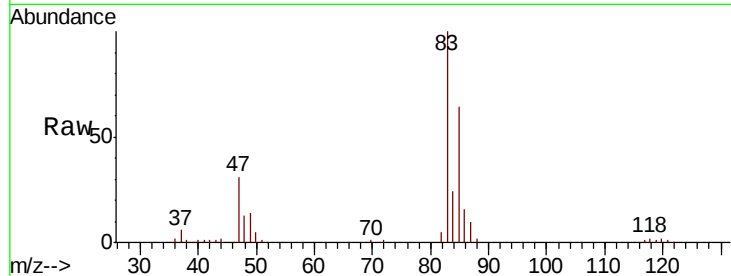




#25
Chloroform
Concen: 5.316 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV016193.D
Acq: 26 May 2020 15:48

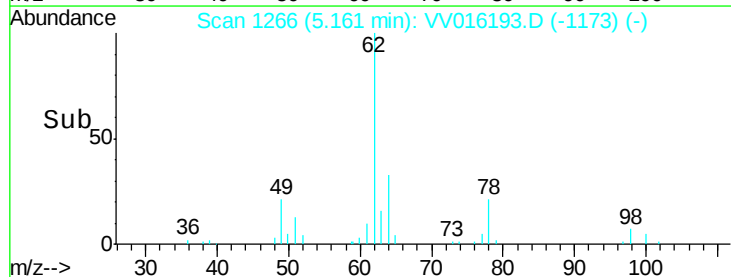
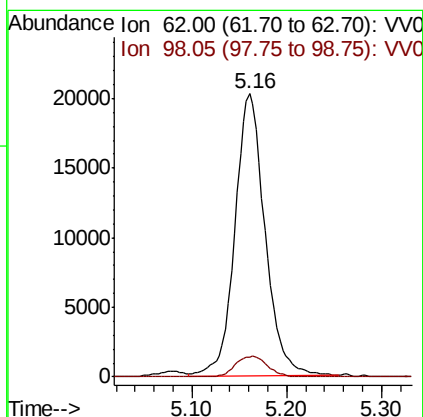
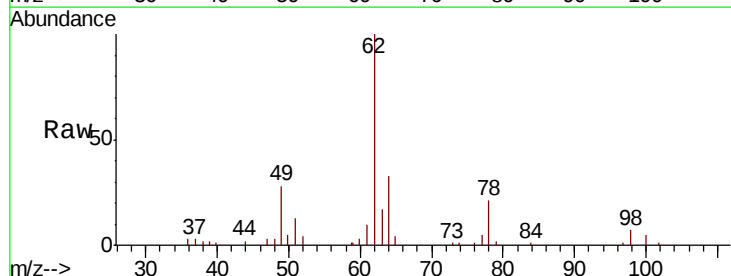
Instrument :
MSVOA_V
ClientSampleId :

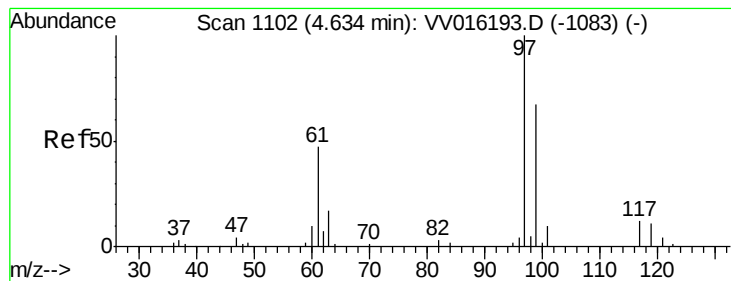
Tot Ion: 83 Resp: 69269
Ion Ratio Lower Upper
83 100
85 64.4 45.1 83.7



#27
1,2-Dichloroethane
Concen: 5.491 ug/L
RT: 5.16 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VV016193.D
Acq: 26 May 2020 15:48

Tgt Ion: 62 Resp: 44773
Ion Ratio Lower Upper
62 100
98 7.1 5.7 8.5





#29

1,1,1-Trichloroethane

Concen: 5.580 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV016193.D

Acq: 26 May 2020 15:48

Instrument :
MSVOA_V
ClientSampleId :

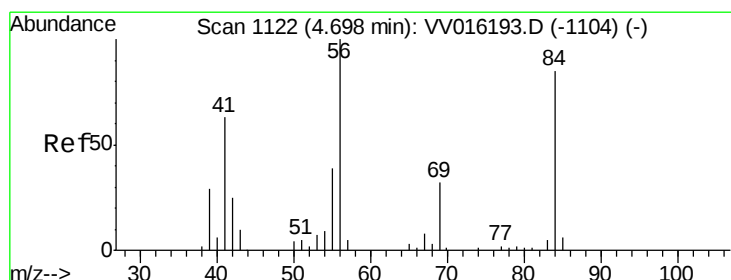
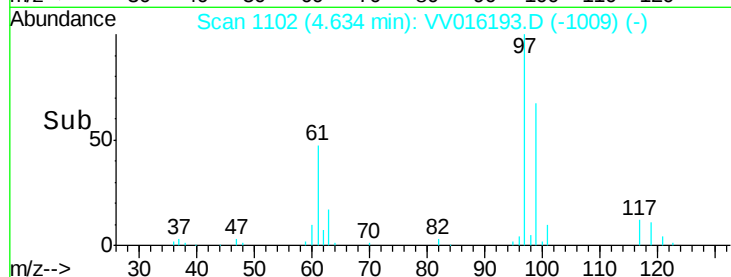
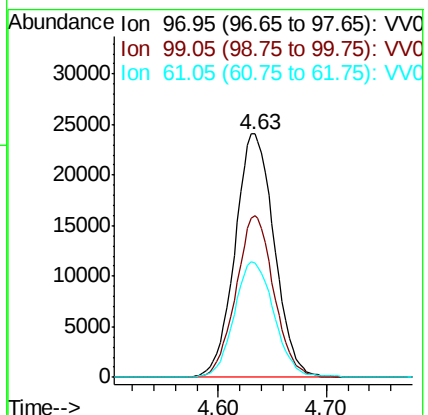
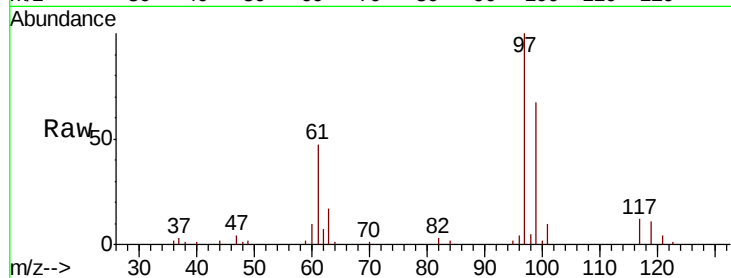
Tot Ion: 97 Resp: 60923

Ion Ratio Lower Upper

97 100

99 64.0 51.2 76.8

61 48.2 38.6 57.8



#30

Cyclohexane

Concen: 5.799 ug/L

RT: 4.70 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VV016193.D

Acq: 26 May 2020 15:48

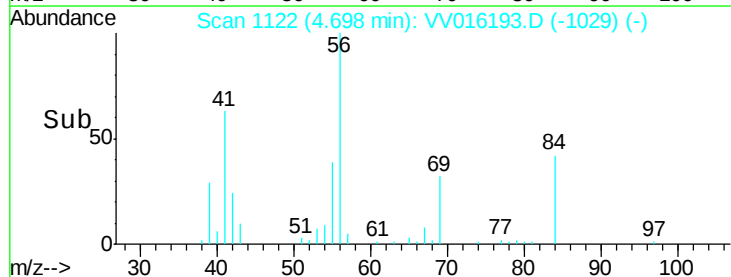
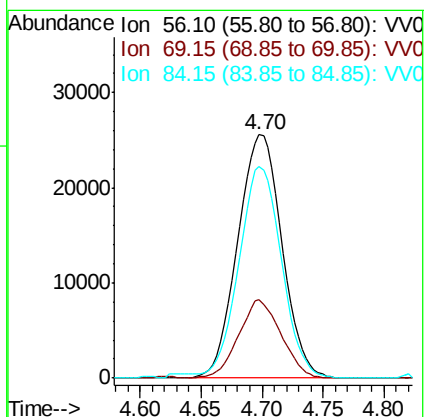
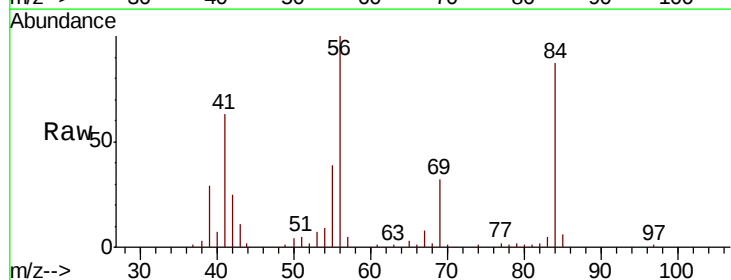
Tgt Ion: 56 Resp: 64301

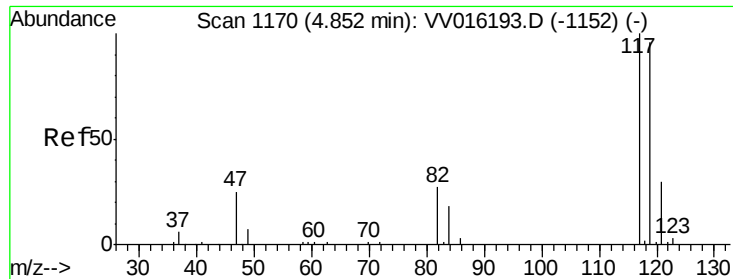
Ion Ratio Lower Upper

56 100

69 30.7 24.6 36.8

84 83.9 67.1 100.7





#31

Carbon tetrachloride

Concen: 5.503 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV016193.D

Acq: 26 May 2020 15:48

Instrument :

MSVOA_V

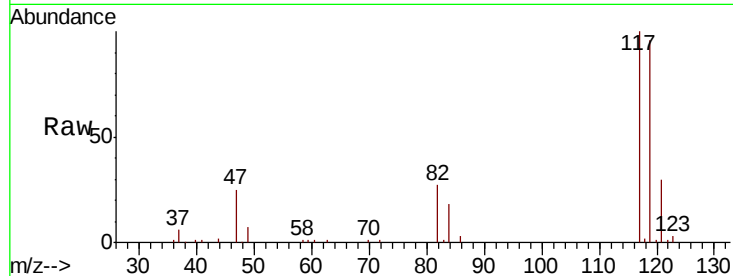
ClientSampleId :

Tot Ion:117 Resp: 51794

Ion Ratio Lower Upper

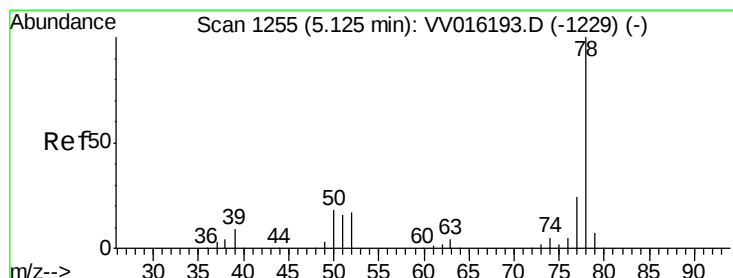
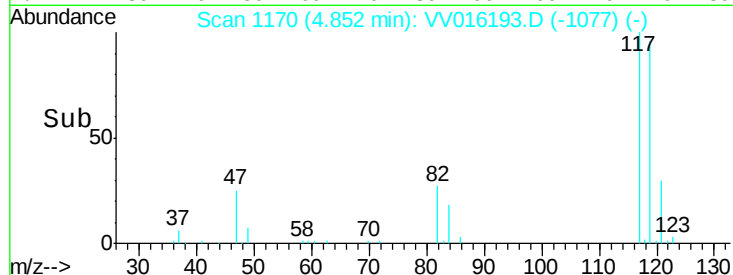
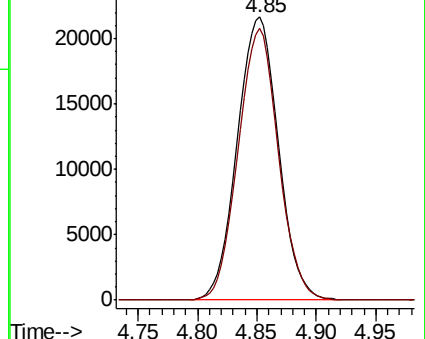
117 100

119 94.0 75.2 112.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.875 ug/L

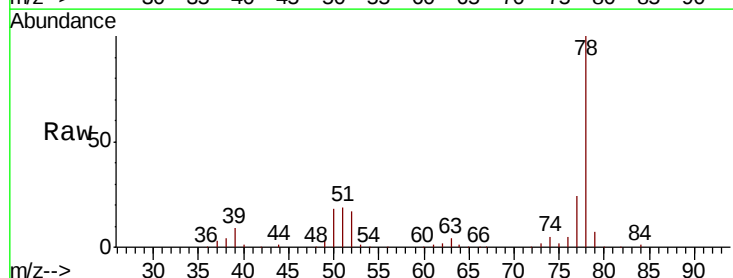
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

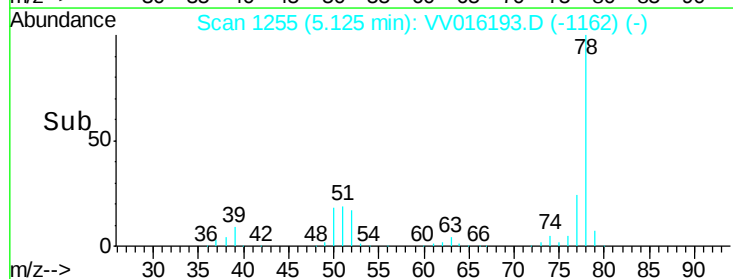
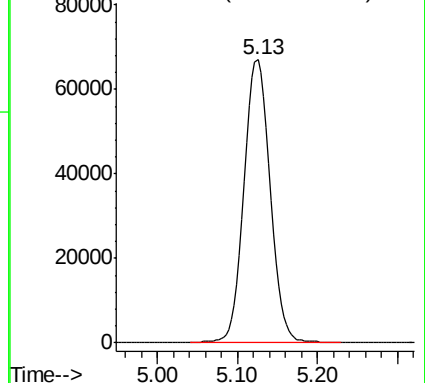
Lab File: VV016193.D

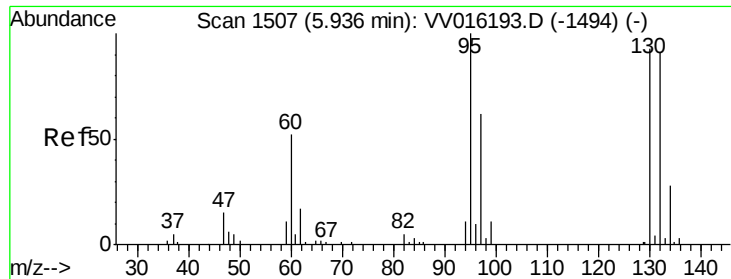
Acq: 26 May 2020 15:48

Tgt Ion: 78 Resp: 148242



Abundance Ion 78.10 (77.80 to 78.80): VV0

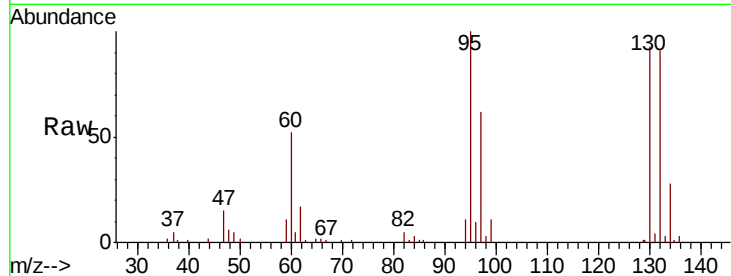




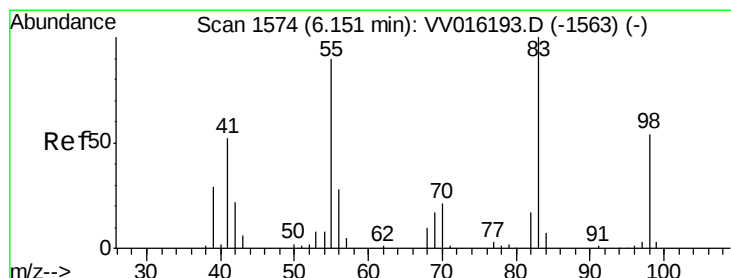
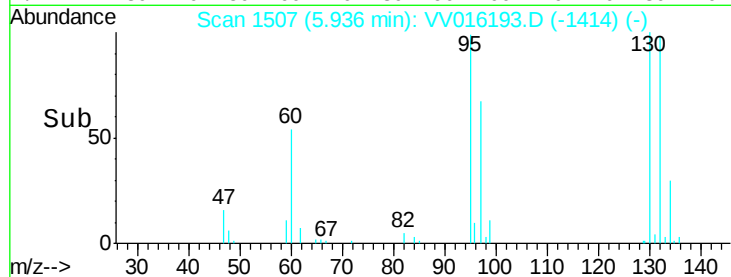
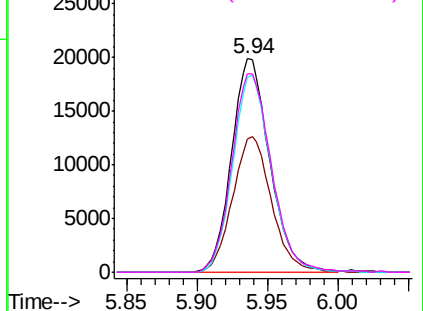
#34
 Trichloroethene
 Concen: 5.355 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV016193.D
 Acq: 26 May 2020 15:48

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 37754
 Ion Ratio Lower Upper
 95 100
 97 62.3 43.6 81.0
 132 91.3 63.9 118.7
 130 93.1 65.2 121.0

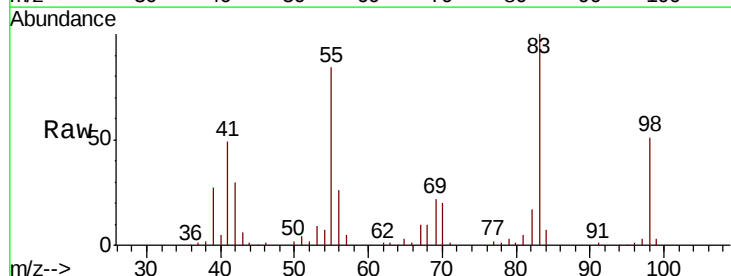


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

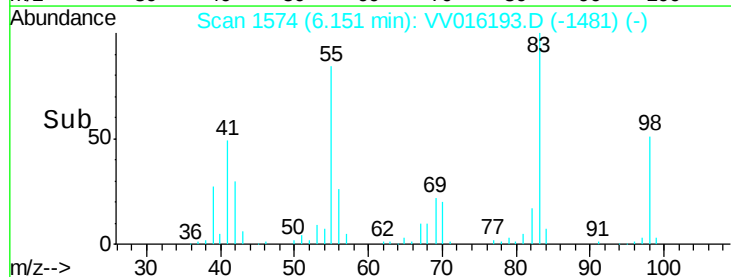
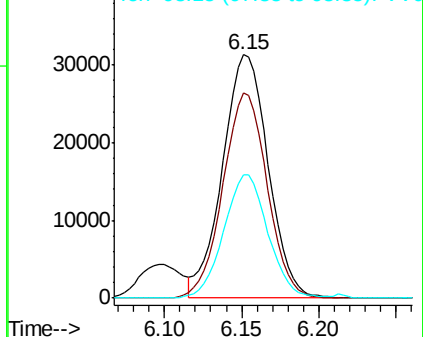


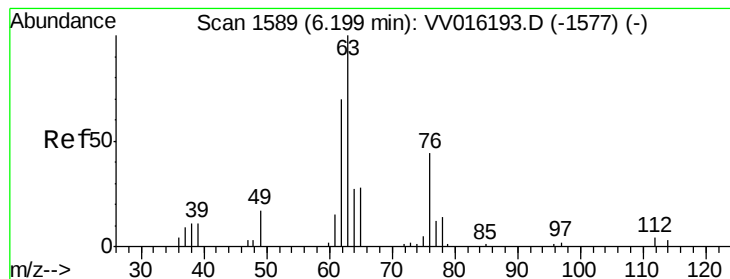
#35
 Methylcyclohexane
 Concen: 5.896 ug/L
 RT: 6.15 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VV016193.D
 Acq: 26 May 2020 15:48

Tgt Ion: 83 Resp: 64351
 Ion Ratio Lower Upper
 83 100
 55 81.7 65.4 98.0
 98 49.1 39.3 58.9



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: 5.655 ug/L

RT: 6.20 min Scan# 1589

Delta R.T. 0.00 min

Lab File: VV016193.D

Acq: 26 May 2020 15:48

Instrument :

MSVOA_V

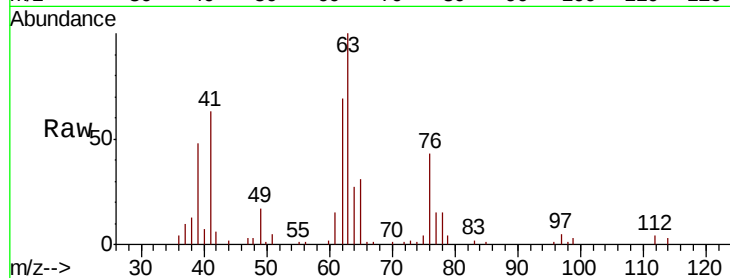
ClientSampleId :

Tot Ion: 63 Resp: 36272

Ion Ratio Lower Upper

63 100

112 3.9 3.1 4.7



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): V

20000

15000

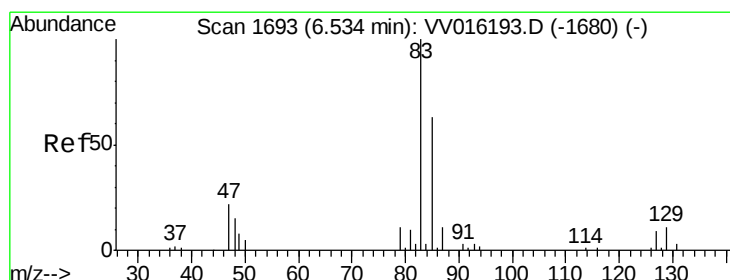
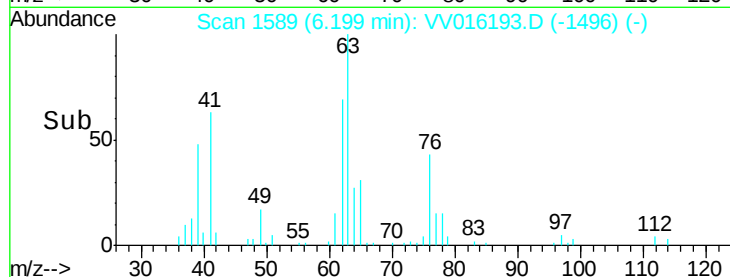
10000

5000

0

6.15 6.20 6.25 6.30

Time-->



#38

Bromodichloromethane

Concen: 5.575 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VV016193.D

Acq: 26 May 2020 15:48

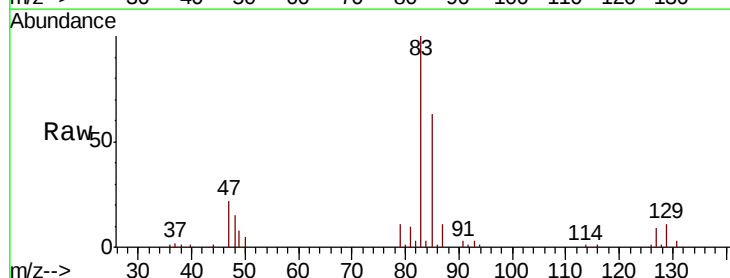
Tgt Ion: 83 Resp: 44677

Ion Ratio Lower Upper

83 100

85 63.2 44.2 82.2

127 8.9 7.1 10.7



Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 126.90 (126.60 to 127.60): V

30000

25000

20000

15000

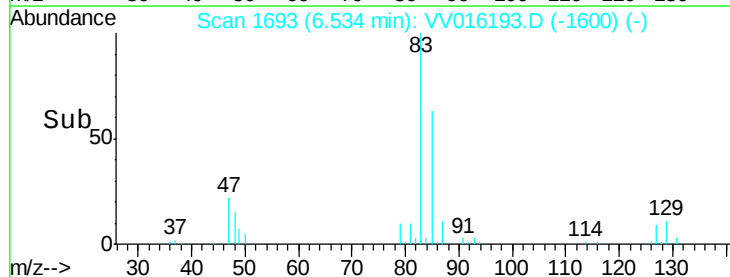
10000

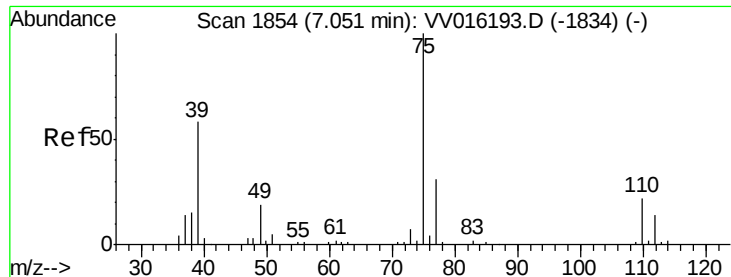
5000

0

6.45 6.50 6.55 6.60

Time-->

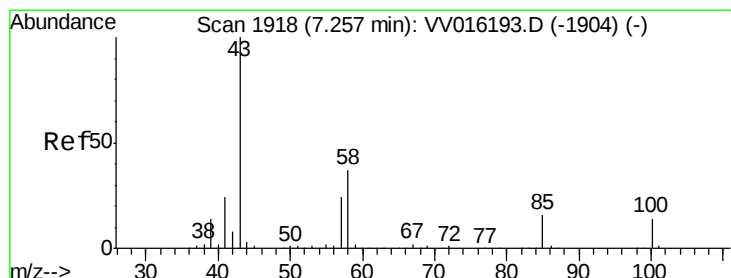
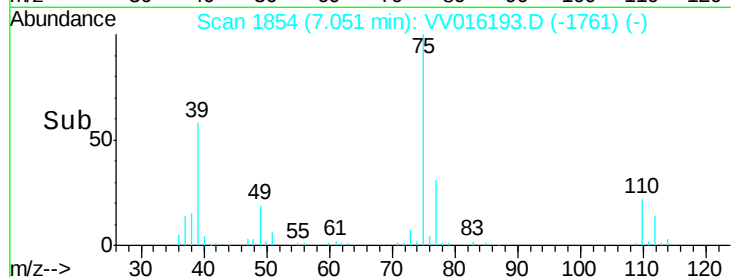
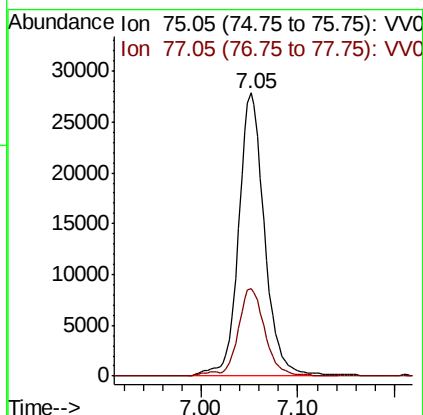
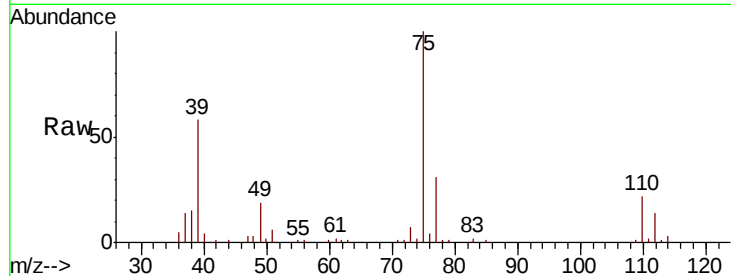




#39
 cis-1,3-Dichloropropene
 Concen: 5.767 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VV016193.D
 Acq: 26 May 2020 15:48

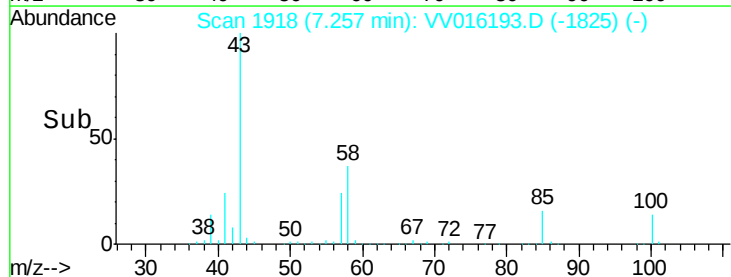
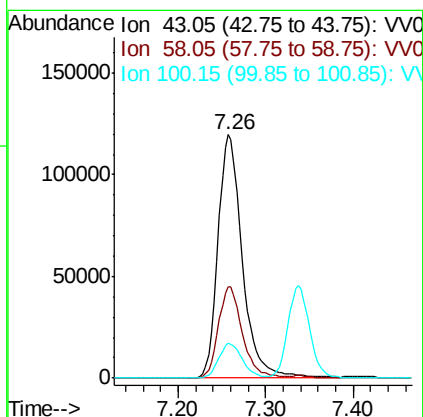
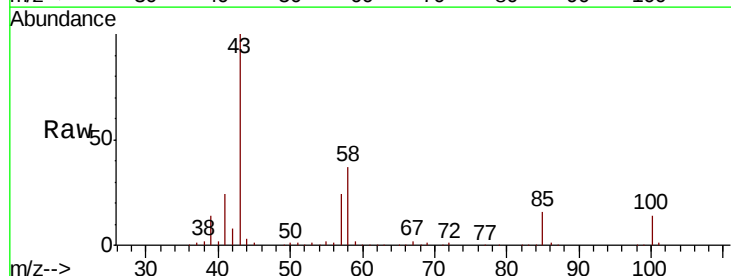
Instrument :
 MSVOA_V
 ClientSampleId :

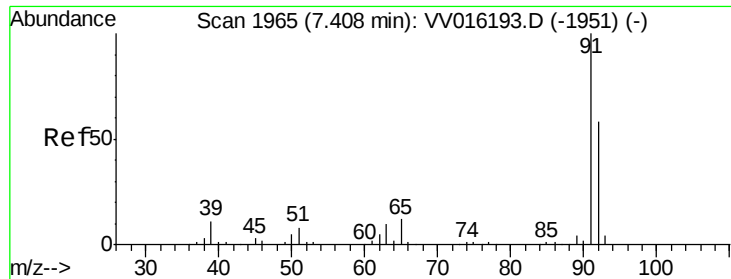
Tot Ion: 75 Resp: 51881
 Ion Ratio Lower Upper
 75 100
 77 31.0 21.7 40.3



#40
 4-Methyl-2-pentanone
 Concen: 58.306 ug/L
 RT: 7.26 min Scan# 1918
 Delta R.T. 0.00 min
 Lab File: VV016193.D
 Acq: 26 May 2020 15:48

Tgt Ion: 43 Resp: 231633
 Ion Ratio Lower Upper
 43 100
 58 36.9 29.5 44.3
 100 13.9 11.1 16.7





#42

Toluene

Concen: 6.005 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV016193.D

Acq: 26 May 2020 15:48

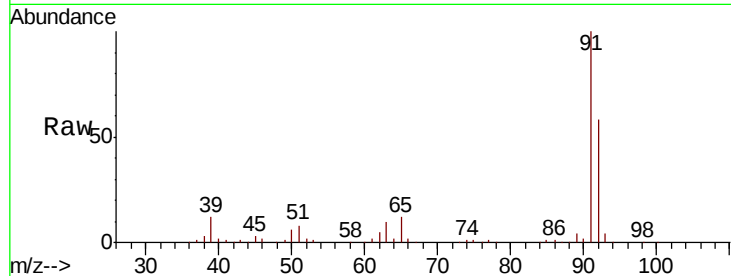
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 161093

Ion Ratio Lower Upper

91 100

92 58.5 40.9 76.0



Abundance Ion 91.15 (90.85 to 91.85): VV016193.D (-1951) (-)

Ion 92.15 (91.85 to 92.85): VV016193.D (-1951) (-)

7.41

100000

80000

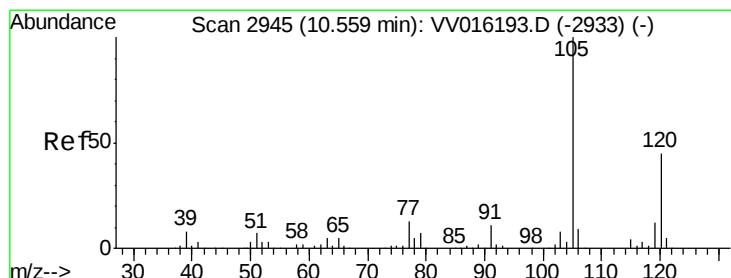
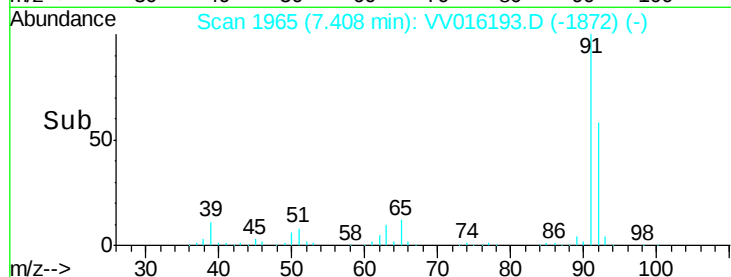
60000

40000

20000

0

Time-->



#43

1,3,5-Trimethylbenzene

Concen: 6.177 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VV016193.D

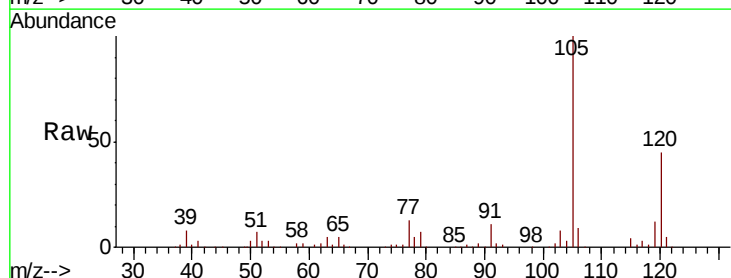
Acq: 26 May 2020 15:48

Tgt Ion:105 Resp: 153234

Ion Ratio Lower Upper

105 100

120 46.7 37.4 56.0



Abundance Ion 105.00 (104.70 to 105.70): VV016193.D (-2933) (-)

Ion 120.00 (119.70 to 120.70): VV016193.D (-2933) (-)

10.56

120000

100000

80000

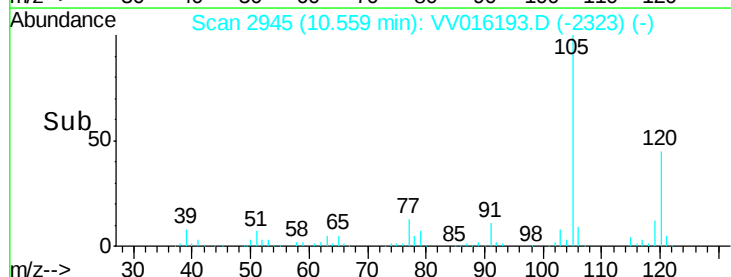
60000

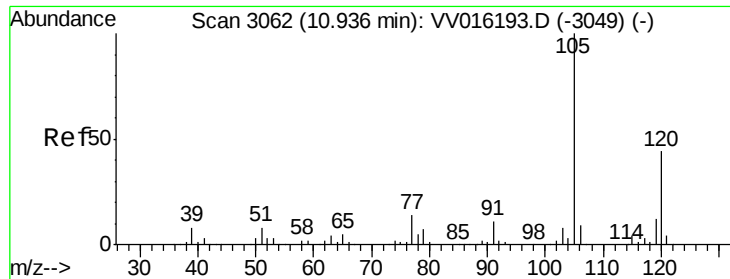
40000

20000

0

Time-->

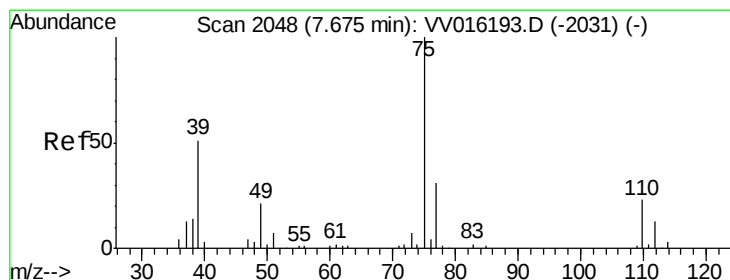
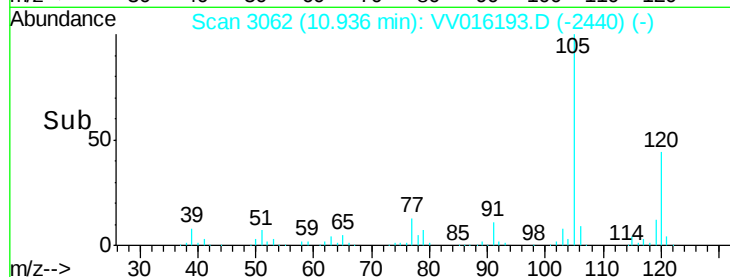
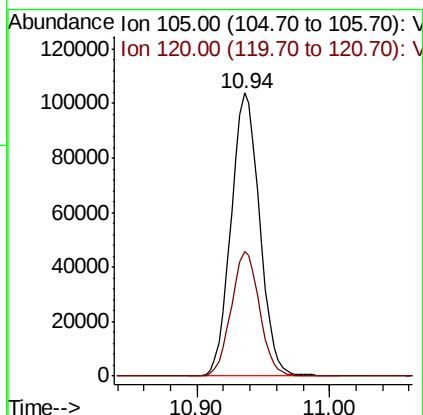
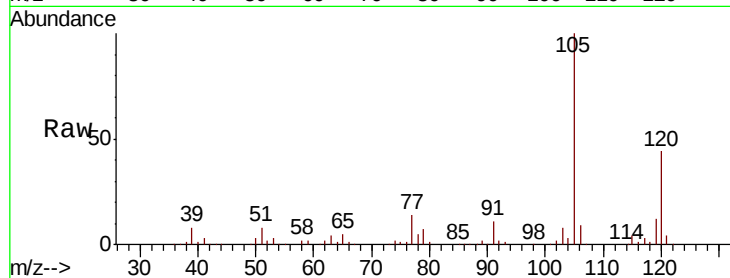




#44
 1,2,4-Trimethylbenzene
 Concen: 6.273 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. 0.00 min
 Lab File: VV016193.D
 Acq: 26 May 2020 15:48

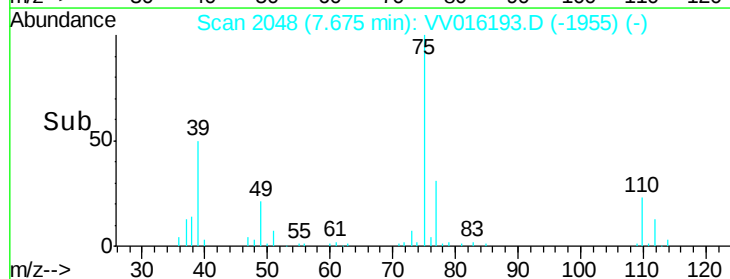
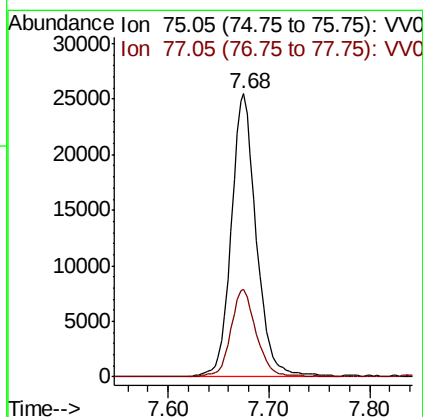
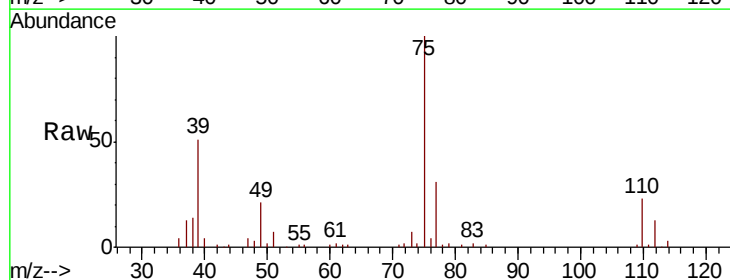
Instrument :
 MSVOA_V
 ClientSampleId :

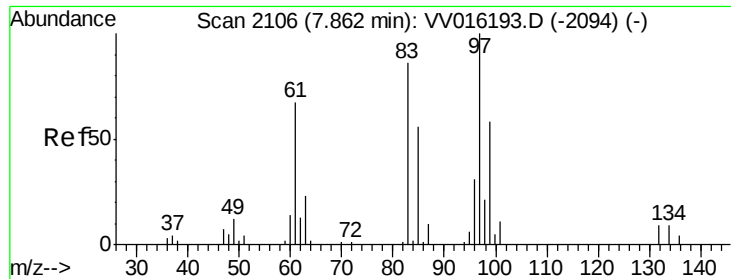
Tot Ion:105 Resp: 155762
 Ion Ratio Lower Upper
 105 100
 120 43.3 34.6 52.0



#46
 trans-1,3-Dichloropropene
 Concen: 5.800 ug/L
 RT: 7.68 min Scan# 2048
 Delta R.T. 0.00 min
 Lab File: VV016193.D
 Acq: 26 May 2020 15:48

Tgt Ion: 75 Resp: 44080
 Ion Ratio Lower Upper
 75 100
 77 31.0 21.7 40.3

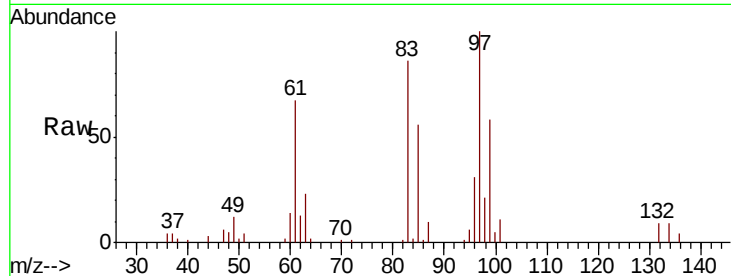




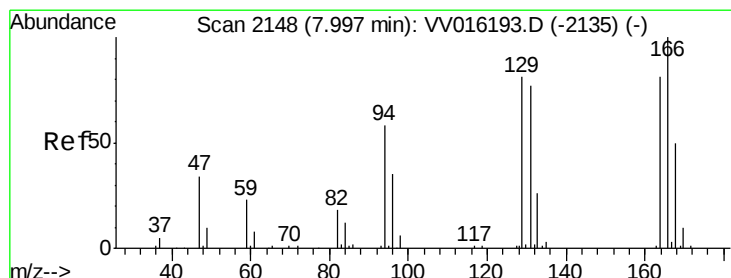
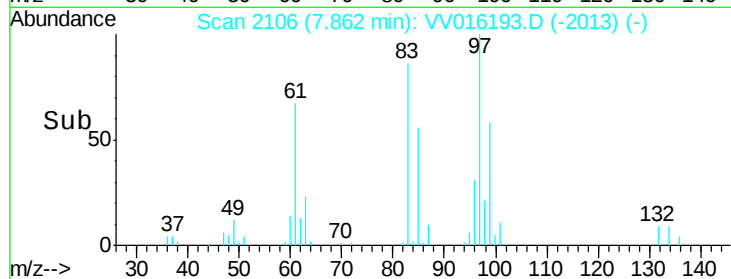
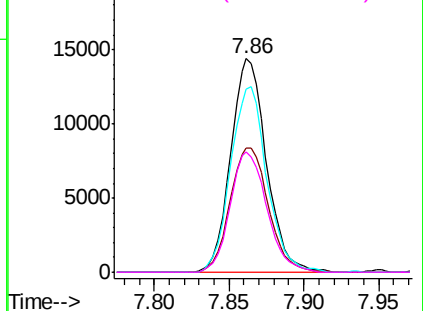
#47
 1,1,2-Trichloroethane
 Concen: 5.609 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV016193.D
 Acq: 26 May 2020 15:48

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:	97	Resp:	23921
Ion	Ratio	Lower	Upper
97	100		
99	58.3	40.8	75.8
83	85.7	60.0	111.4
85	56.2	39.3	73.1

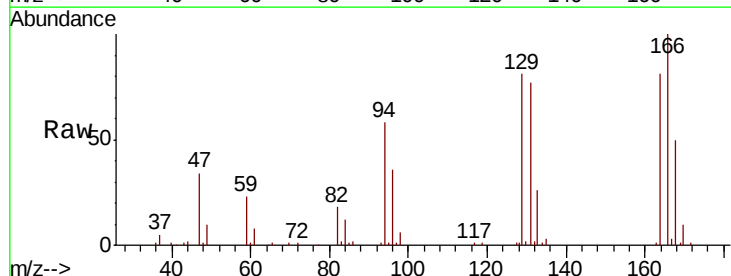


Abundance Ion 96.95 (96.65 to 97.65): VV016193.D (-2094) (-)
 Ion 99.05 (98.75 to 99.75): VV016193.D (-2094) (-)
 Ion 82.95 (82.65 to 83.65): VV016193.D (-2094) (-)
 Ion 85.00 (84.70 to 85.70): VV016193.D (-2094) (-)

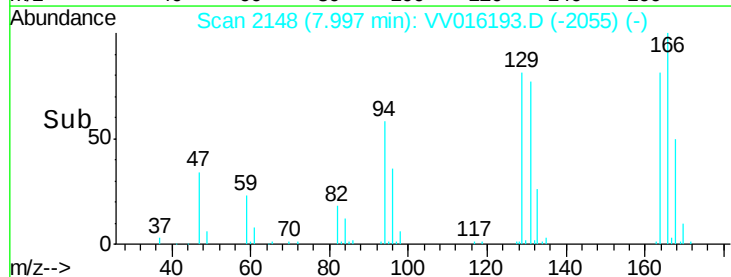
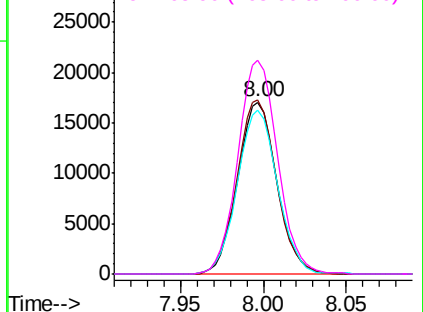


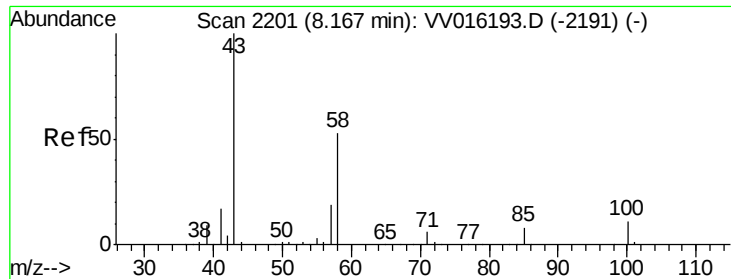
#49
 Tetrachloroethene
 Concen: 5.625 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV016193.D
 Acq: 26 May 2020 15:48

Tgt Ion:	164	Resp:	27990
Ion	Ratio	Lower	Upper
164	100		
129	101.0	70.7	131.3
131	95.2	66.6	123.8
166	124.2	86.9	161.5



Abundance Ion 163.90 (163.60 to 164.60): VV016193.D (-2135) (-)
 Ion 128.95 (128.65 to 129.65): VV016193.D (-2135) (-)
 Ion 130.95 (130.65 to 131.65): VV016193.D (-2135) (-)
 Ion 165.90 (165.60 to 166.60): VV016193.D (-2135) (-)

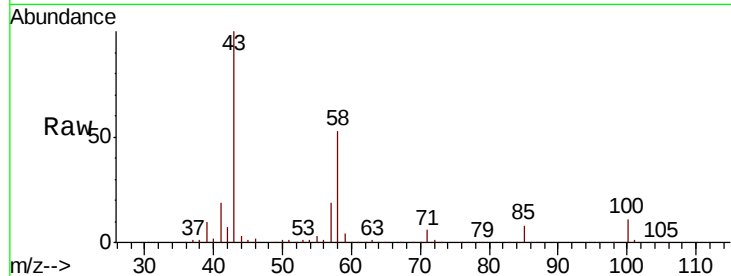




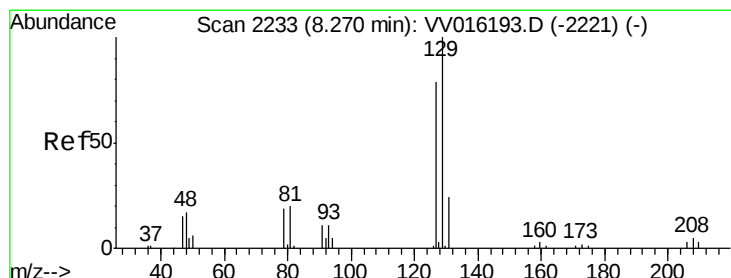
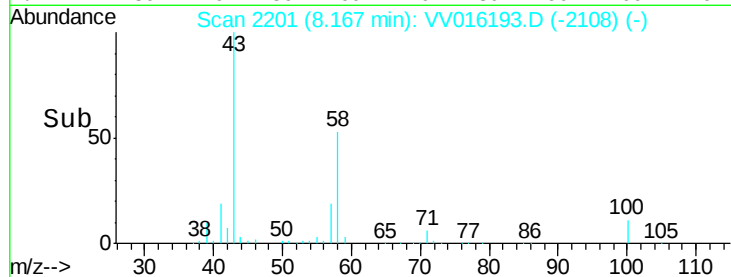
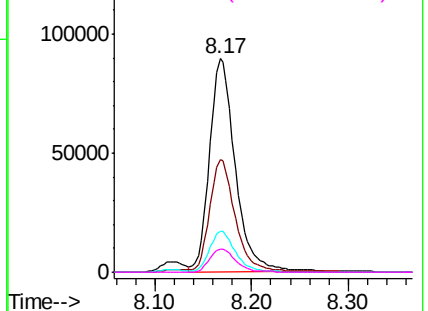
#50
2-Hexanone
Concen: 59.400 ug/L
RT: 8.17 min Scan# 2201
Delta R.T. 0.00 min
Lab File: VV016193.D
Acq: 26 May 2020 15:48

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 165898
Ion Ratio Lower Upper
43 100
58 51.7 41.4 62.0
57 18.7 15.0 22.4
100 11.2 9.0 13.4

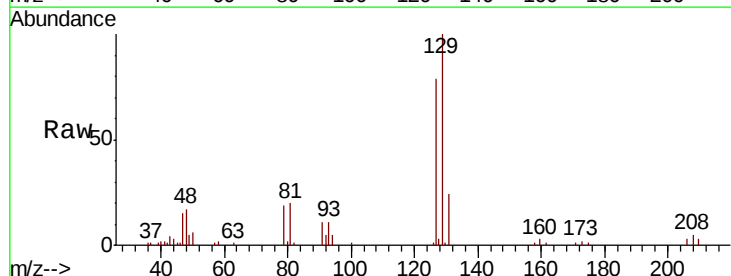


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

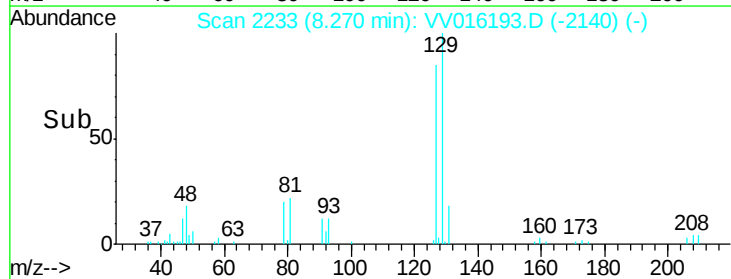
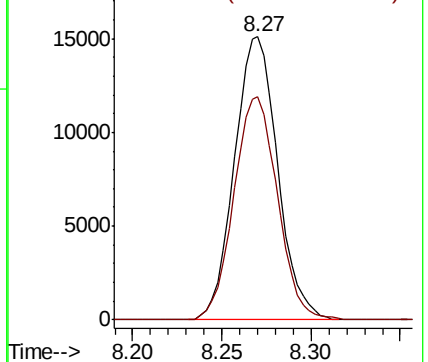


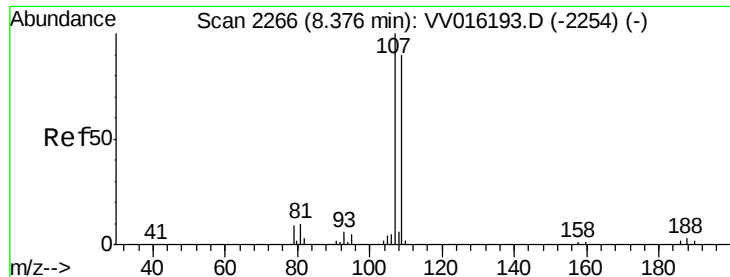
#51
Dibromochloromethane
Concen: 5.425 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.00 min
Lab File: VV016193.D
Acq: 26 May 2020 15:48

Tgt Ion: 129 Resp: 25435
Ion Ratio Lower Upper
129 100
127 78.8 55.2 102.4



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V





#52

1,2-Dibromoethane

Concen: 5.842 ug/L

RT: 8.38 min Scan# 2266

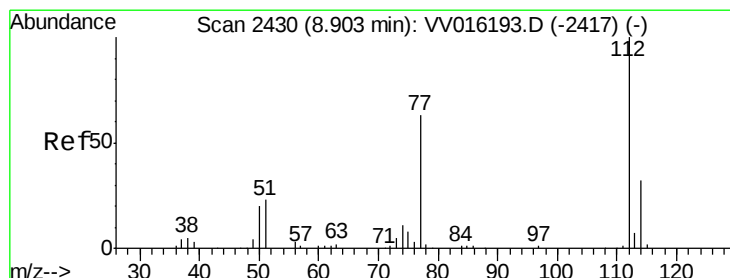
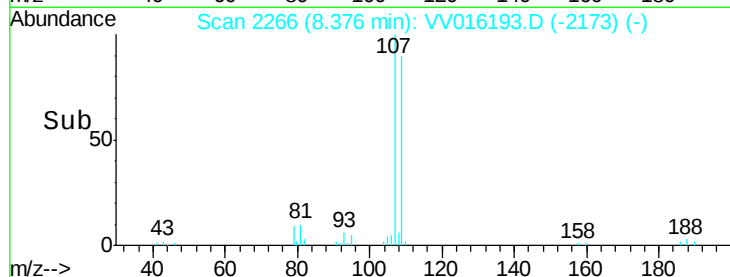
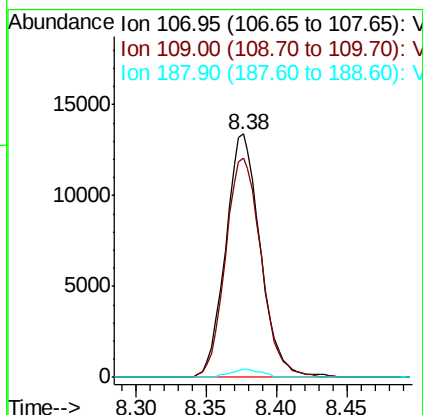
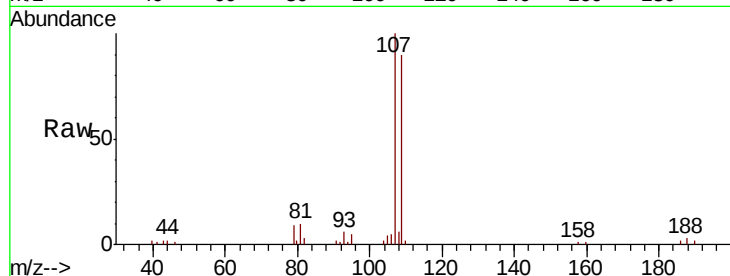
Delta R.T. 0.00 min

Lab File: VV016193.D

Acq: 26 May 2020 15:48

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:107	Resp:	23023
Ion Ratio	Lower	Upper
107	100	
109	90.2	63.1 117.3
188	3.3	2.6 4.0



#53

Chlorobenzene

Concen: 5.788 ug/L

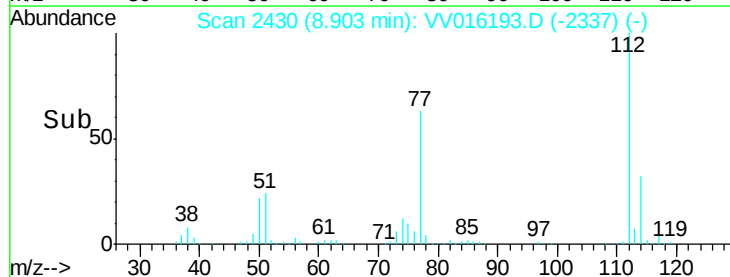
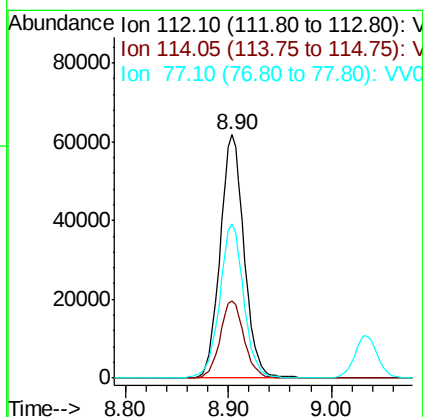
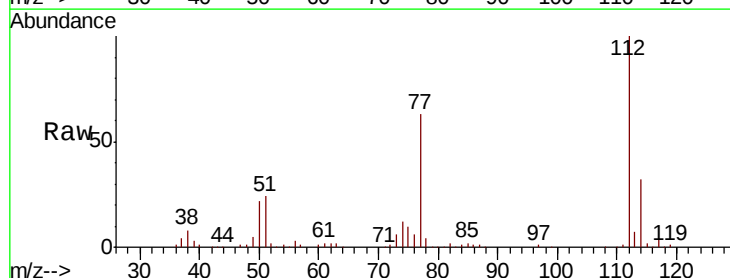
RT: 8.90 min Scan# 2430

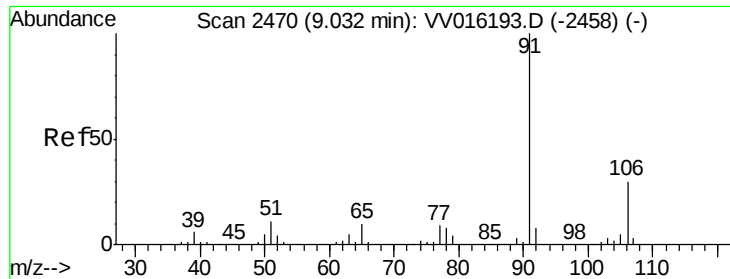
Delta R.T. 0.00 min

Lab File: VV016193.D

Acq: 26 May 2020 15:48

Tgt Ion:112	Resp:	99446
Ion Ratio	Lower	Upper
112	100	
114	31.8	22.3 41.3
77	63.4	50.7 76.1

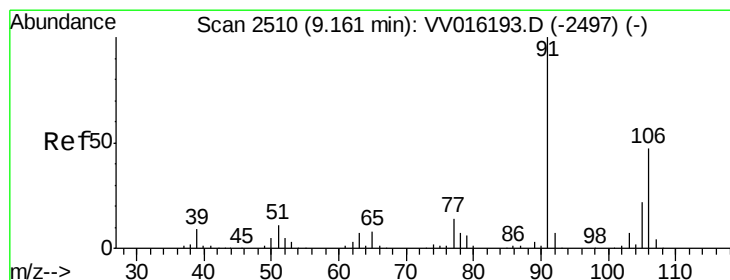
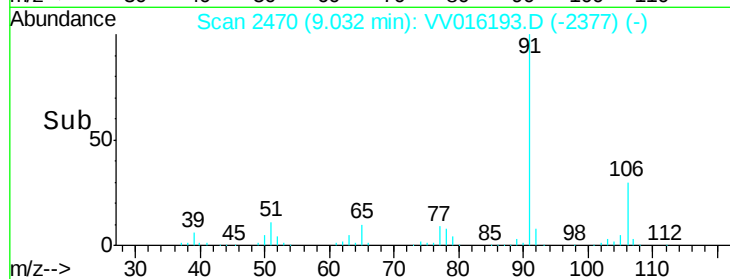
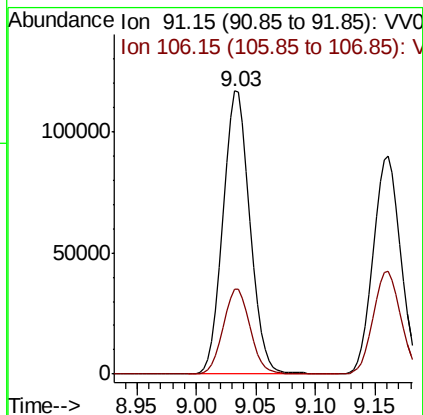
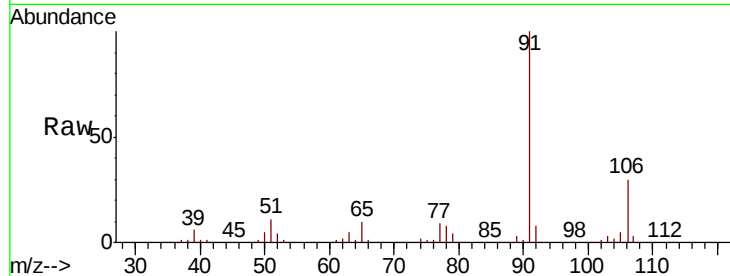




#54
Ethylbenzene
Concen: 6.012 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VV016193.D
Acq: 26 May 2020 15:48

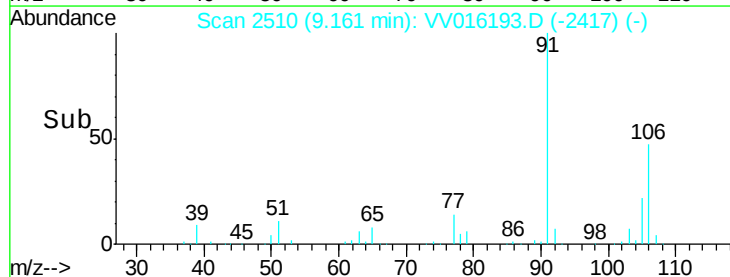
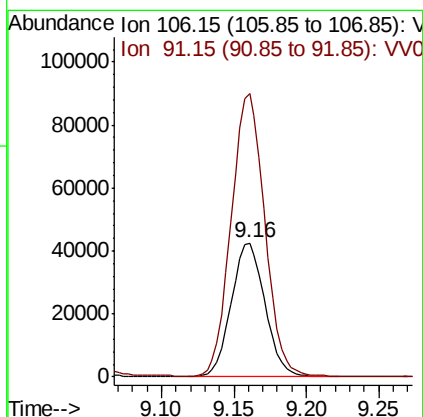
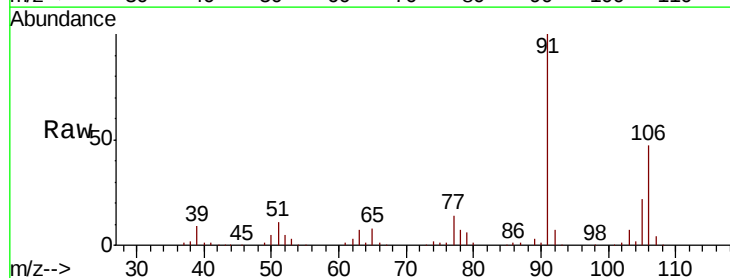
Instrument :
MSVOA_V
ClientSampleId :

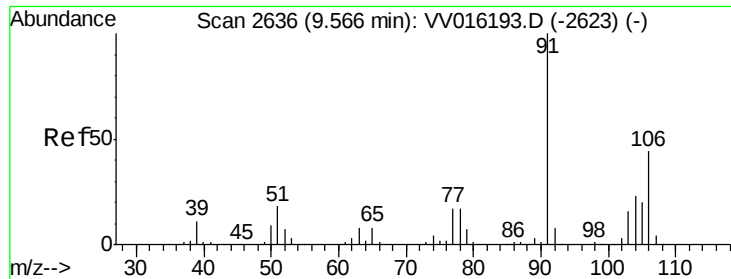
Tot Ion: 91 Resp: 183955
Ion Ratio Lower Upper
91 100
106 30.0 21.0 39.0



#55
m,p-xylene
Concen: 6.086 ug/L
RT: 9.16 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VV016193.D
Acq: 26 May 2020 15:48

Tgt Ion: 106 Resp: 68841
Ion Ratio Lower Upper
106 100
91 211.5 148.1 275.0

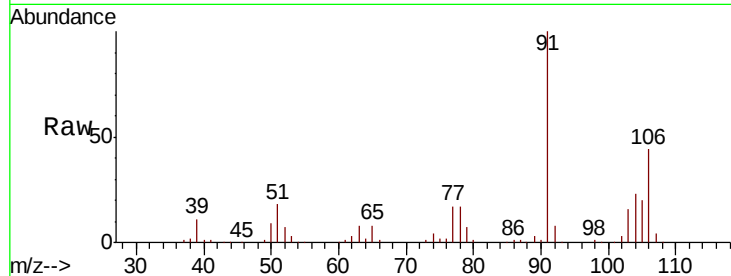




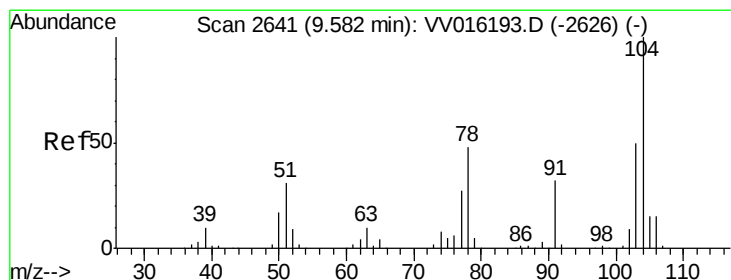
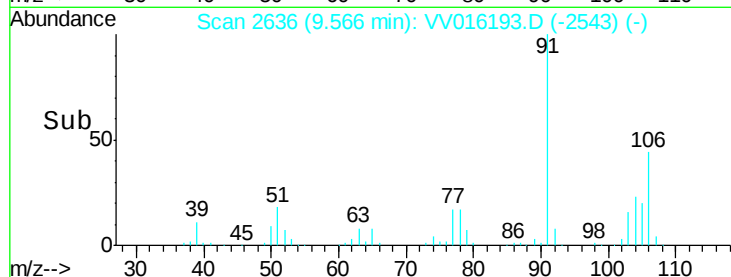
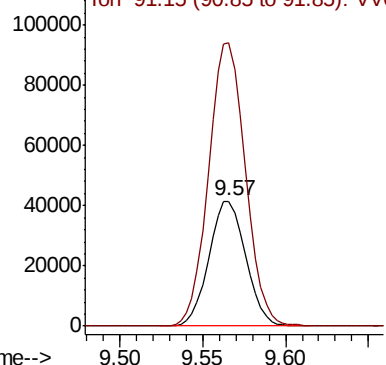
#56
o-xylene
Concen: 5.955 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV016193.D
Acq: 26 May 2020 15:48

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 64375
Ion Ratio Lower Upper
106 100
91 226.8 158.8 294.8

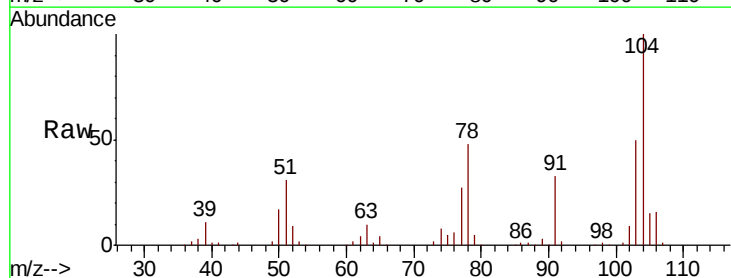


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

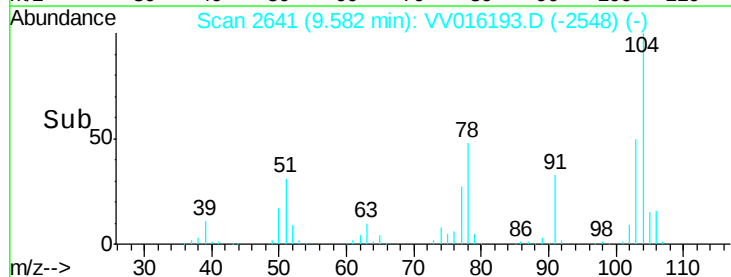
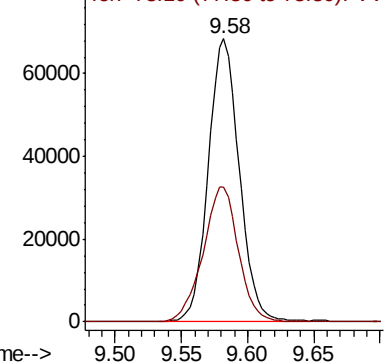


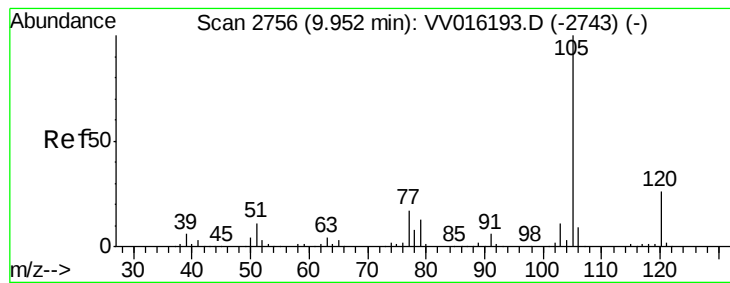
#57
Styrene
Concen: 6.168 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV016193.D
Acq: 26 May 2020 15:48

Tgt Ion:104 Resp: 111548
Ion Ratio Lower Upper
104 100
78 47.5 33.2 61.7



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





#58

Isopropylbenzene

Concen: 5.978 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV016193.D

Acq: 26 May 2020 15:48

Instrument :
MSVOA_V
ClientSampleId :

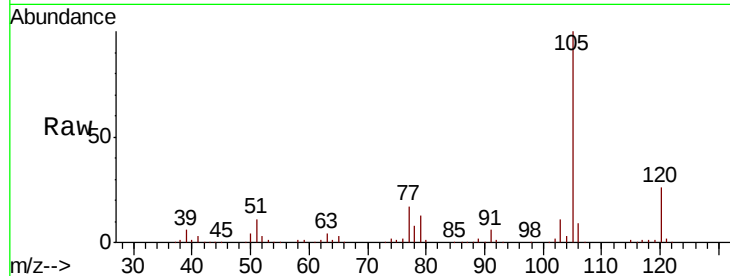
Tot Ion:105 Resp: 177102

Ion Ratio Lower Upper

105 100

120 26.1 20.9 31.3

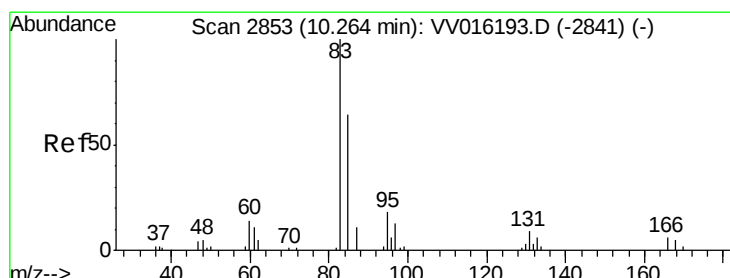
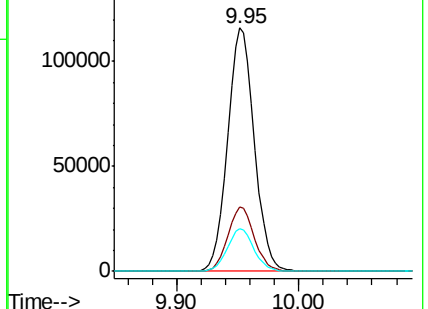
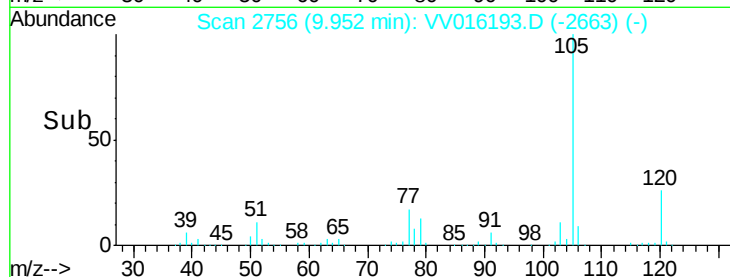
77 17.4 13.9 20.9



Abundance Ion 105.05 (104.75 to 105.75): VV016193.D (-2743) (-)

Ion 120.10 (119.80 to 120.80): VV016193.D (-2743) (-)

Ion 77.10 (76.80 to 77.80): VV016193.D (-2743) (-)



#60

1,1,2,2-Tetrachloroethane

Concen: 6.277 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV016193.D

Acq: 26 May 2020 15:48

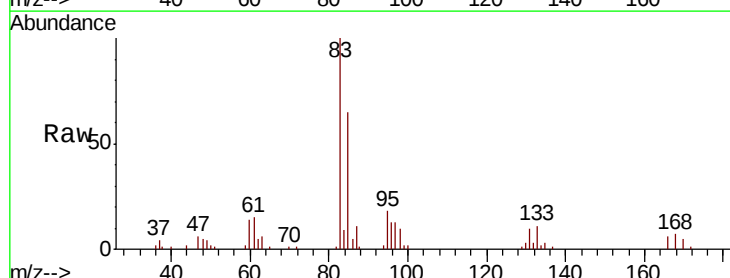
Tgt Ion: 83 Resp: 29356

Ion Ratio Lower Upper

83 100

85 65.2 45.6 84.8

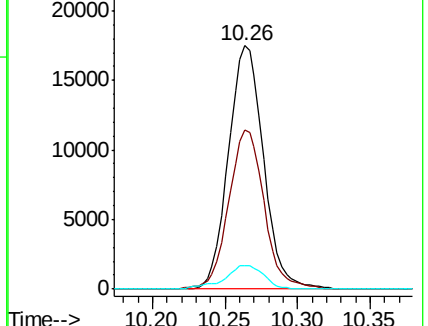
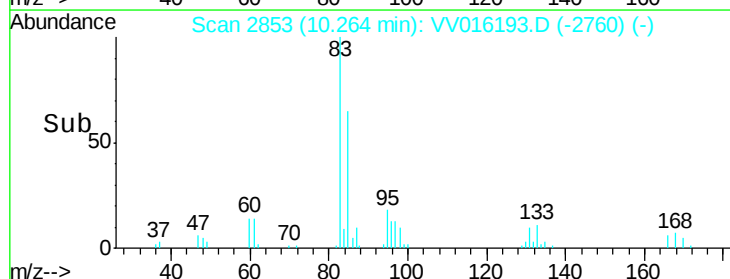
131 9.9 7.9 11.9

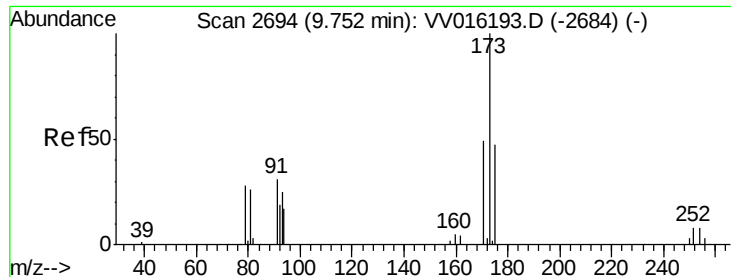


Abundance Ion 82.95 (82.65 to 83.65): VV016193.D (-2841) (-)

Ion 85.00 (84.70 to 85.70): VV016193.D (-2841) (-)

Ion 130.95 (130.65 to 131.65): VV016193.D (-2841) (-)





#62

Bromoform

Concen: 5.077 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV016193.D

Acq: 26 May 2020 15:48

Instrument :
MSVOA_V
ClientSampleId :

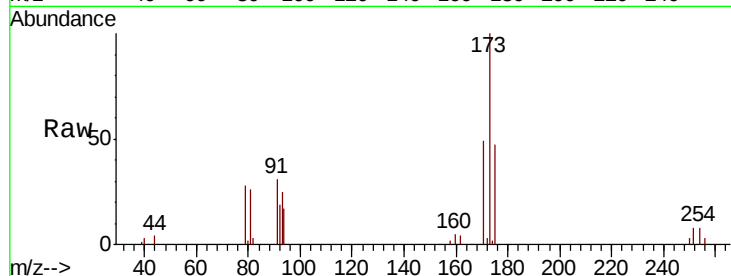
Tot Ion:173 Resp: 11198

Ion Ratio Lower Upper

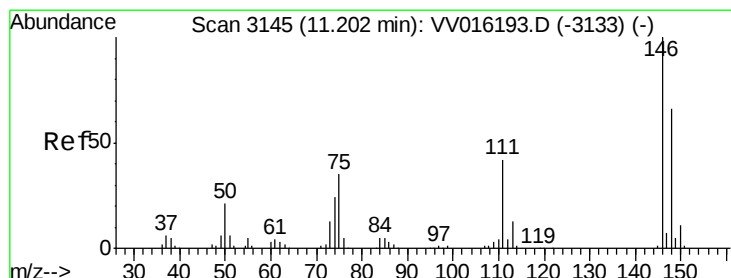
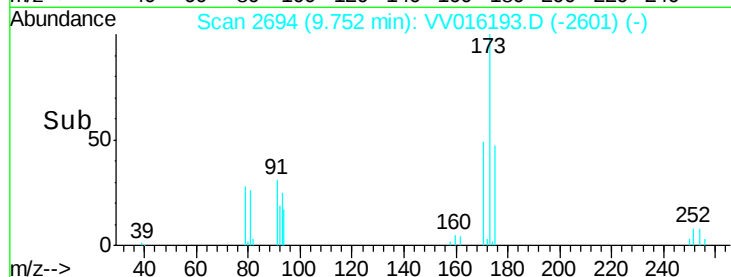
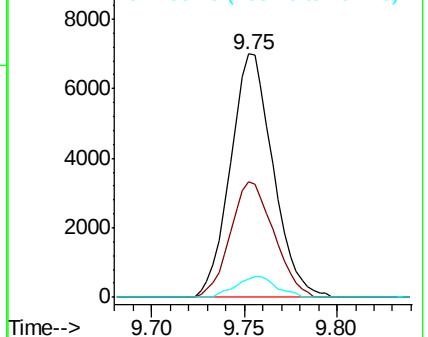
173 100

175 48.3 38.6 58.0

254 8.2 6.6 9.8



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#63

1,3-Dichlorobenzene

Concen: 5.838 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV016193.D

Acq: 26 May 2020 15:48

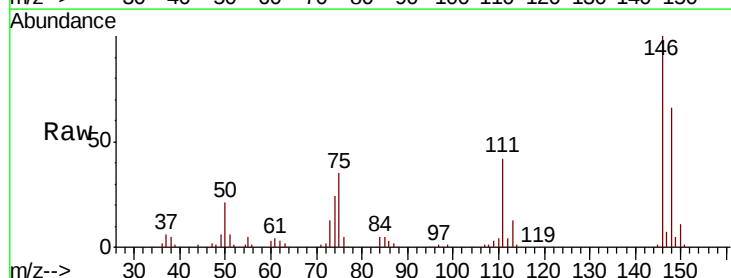
Tgt Ion:146 Resp: 77479

Ion Ratio Lower Upper

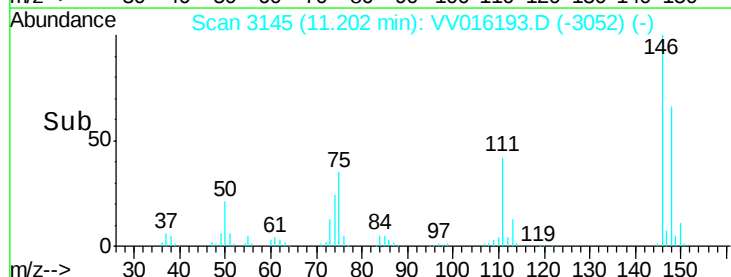
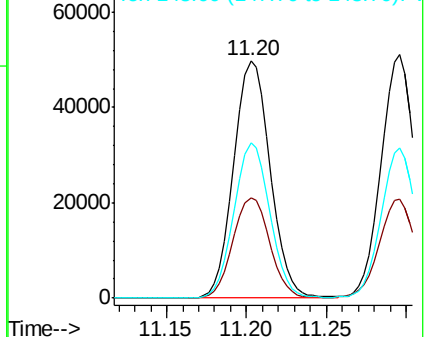
146 100

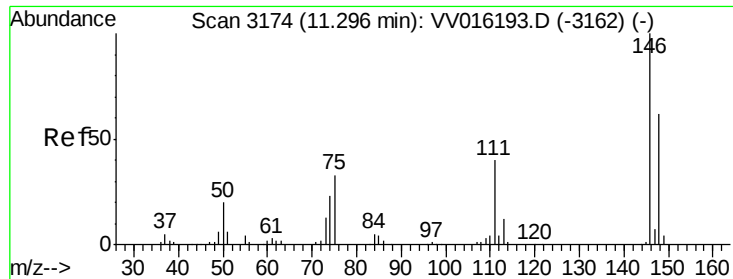
111 42.4 29.7 55.1

148 65.6 45.9 85.3



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





#64

1,4-Dichlorobenzene

Concen: 5.779 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV016193.D

Acq: 26 May 2020 15:48

Instrument :

MSVOA_V

ClientSampleId :

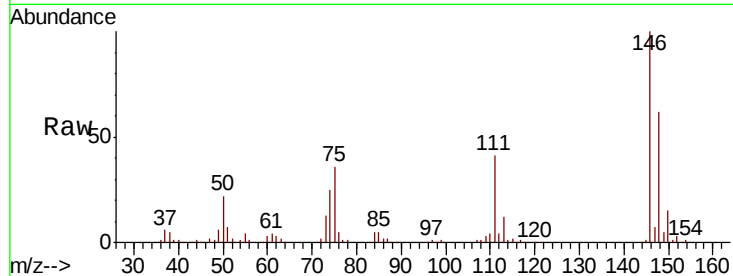
Tot Ion:146 Resp: 77479

Ion Ratio Lower Upper

146 100

111 40.5 28.3 52.7

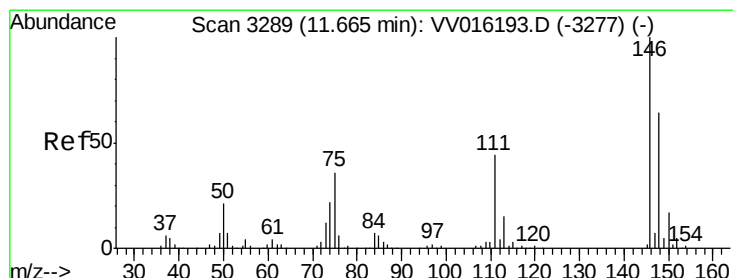
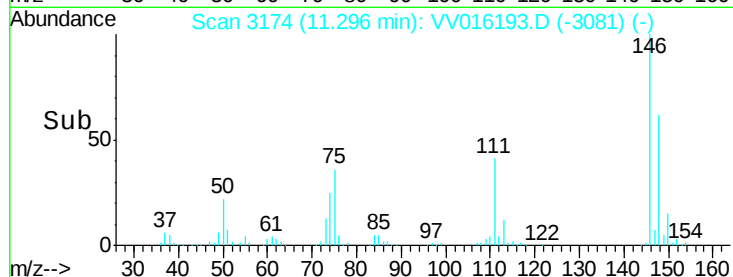
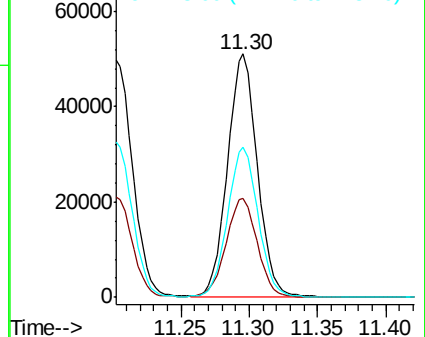
148 61.8 43.3 80.3



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



#66

1,2-Dichlorobenzene

Concen: 5.821 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV016193.D

Acq: 26 May 2020 15:48

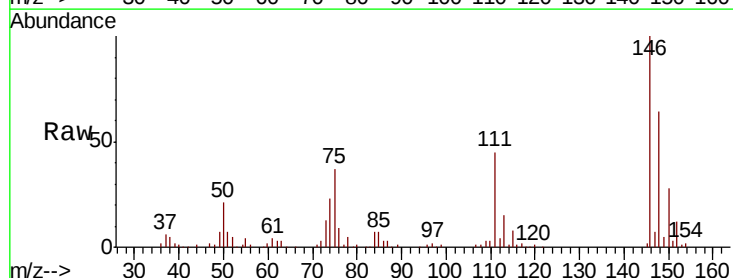
Tgt Ion:146 Resp: 70076

Ion Ratio Lower Upper

146 100

111 44.6 35.7 53.5

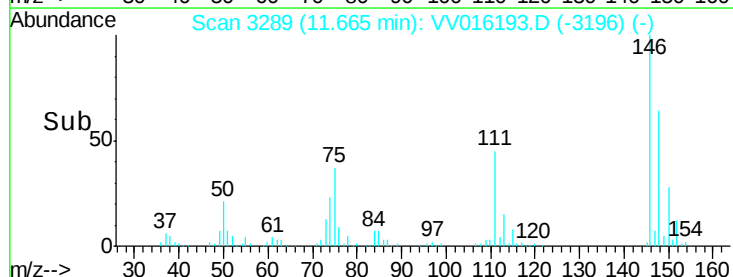
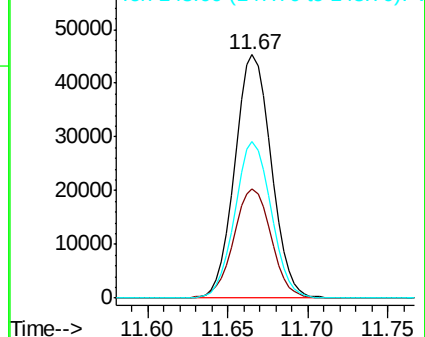
148 64.1 51.3 76.9

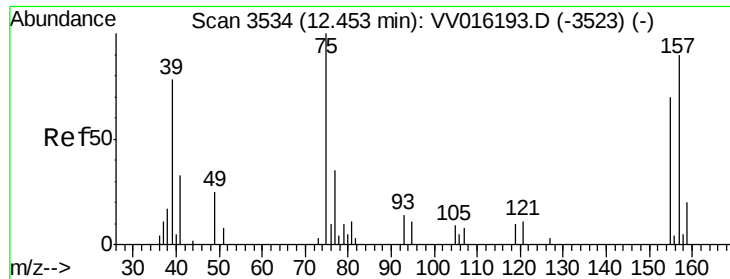


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

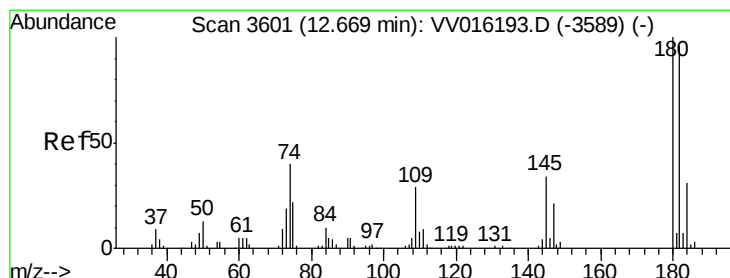
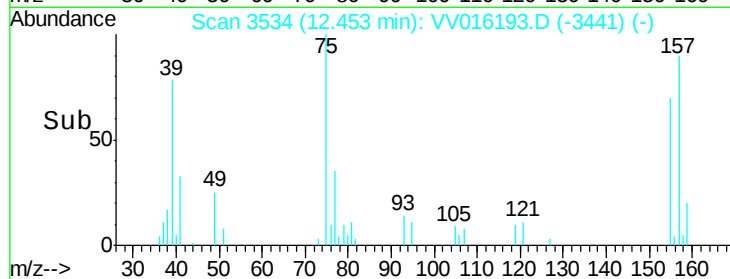
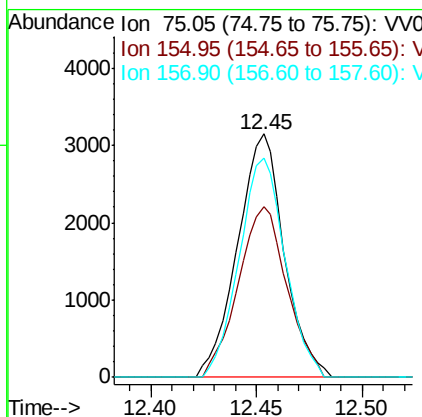
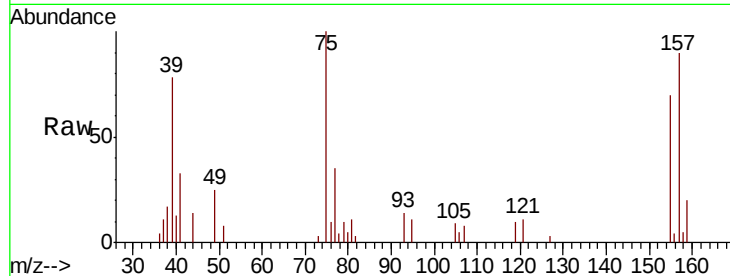




#67
 1,2-Dibromo-3-chloropropane
 Concen: 6.067 ug/L
 RT: 12.45 min Scan# 3534
 Delta R.T. 0.00 min
 Lab File: VV016193.D
 Acq: 26 May 2020 15:48

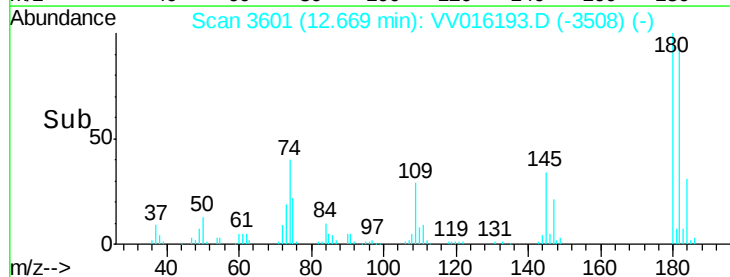
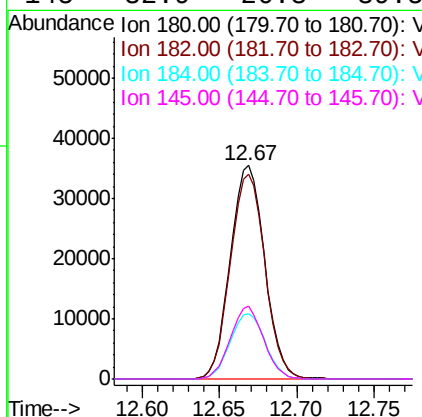
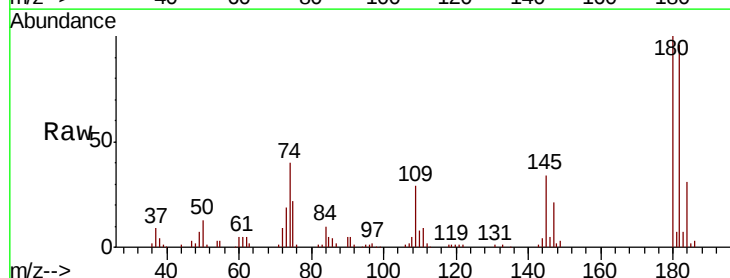
Instrument :
 MSVOA_V
 ClientSampleId :

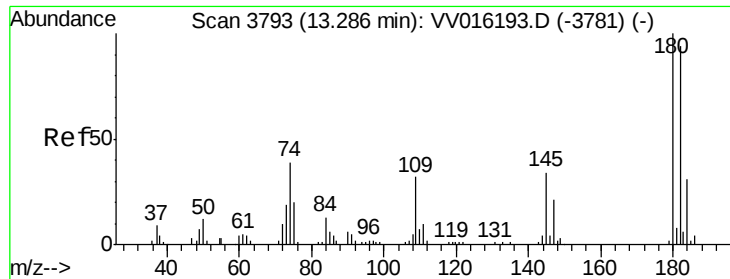
Tot Ion: 75 Resp: 4841
 Ion Ratio Lower Upper
 75 100
 155 70.3 56.2 84.4
 157 89.9 71.9 107.9



#68
 1,3,5-Trichlorobenzene
 Concen: 5.660 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV016193.D
 Acq: 26 May 2020 15:48

Tgt Ion: 180 Resp: 54698
 Ion Ratio Lower Upper
 180 100
 182 96.4 77.1 115.7
 184 31.2 25.0 37.4
 145 32.9 26.3 39.5

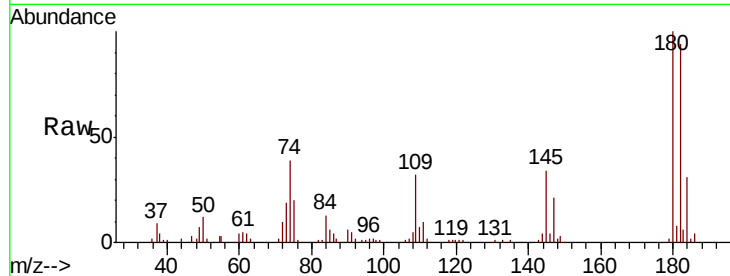




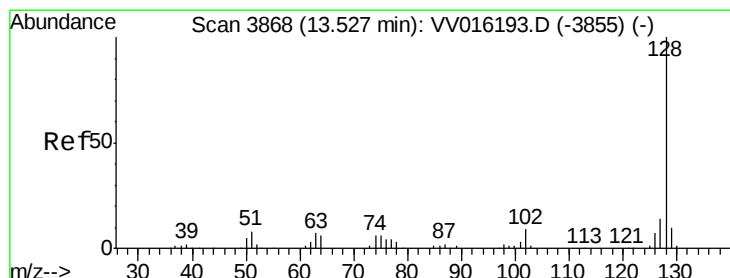
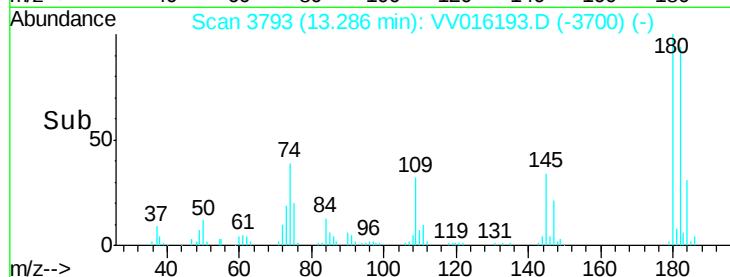
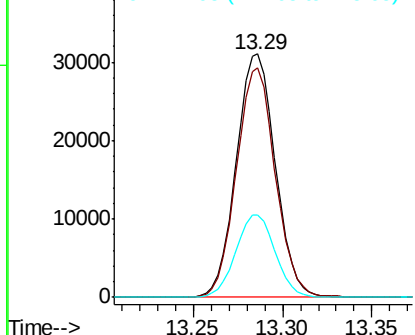
#69
 1,2,4-trichlorobenzene
 Concen: 5.706 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV016193.D
 Acq: 26 May 2020 15:48

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 47601
 Ion Ratio Lower Upper
 180 100
 182 93.7 75.0 112.4
 145 33.9 27.1 40.7

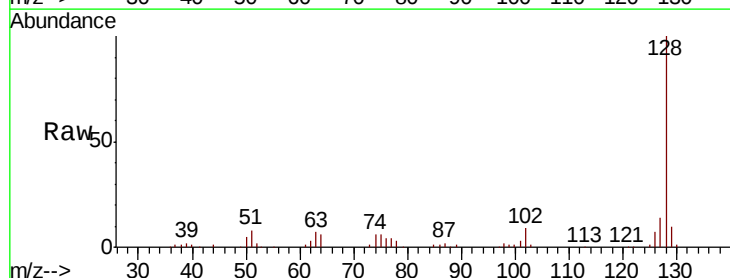


Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

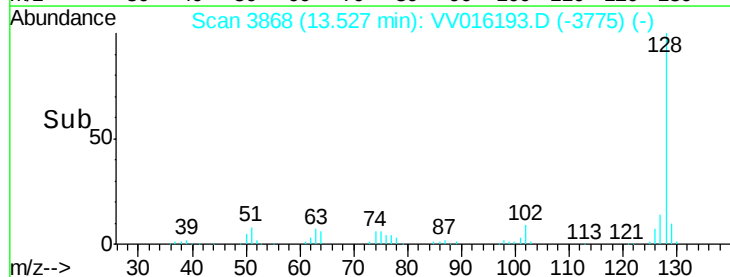
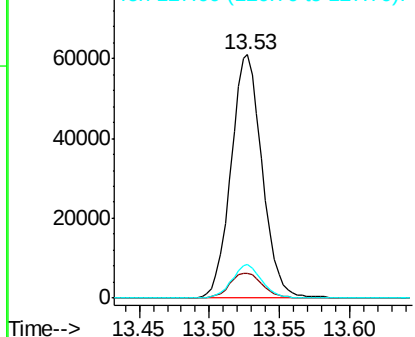


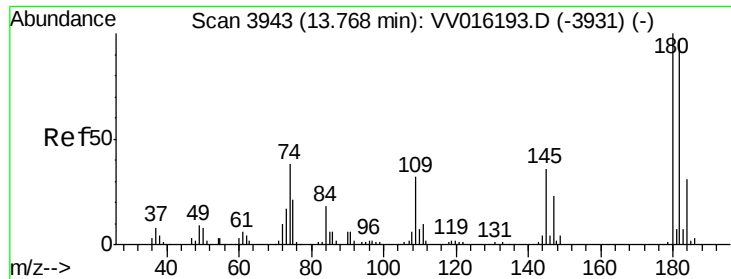
#70
 Naphthalene
 Concen: 6.744 ug/L
 RT: 13.53 min Scan# 3868
 Delta R.T. 0.00 min
 Lab File: VV016193.D
 Acq: 26 May 2020 15:48

Tgt Ion:128 Resp: 94129
 Ion Ratio Lower Upper
 128 100
 129 10.8 8.6 13.0
 127 13.2 10.6 15.8



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

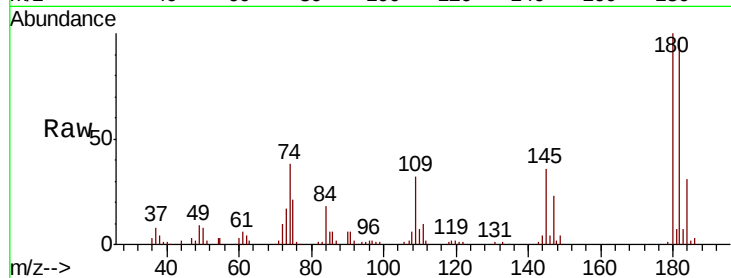




#71
 1,2,3-Trichlorobenzene
 Concen: 5.810 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV016193.D
 Acq: 26 May 2020 15:48

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 42777
 Ion Ratio Lower Upper
 180 100
 182 96.4 77.1 115.7
 145 35.7 28.6 42.8



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

