

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052620\
 Data File : VV016191.D
 Acq On : 26 May 2020 14:46
 Operator : SY/MD
 Sample : VSTD0.532
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 27 02:02:14 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	92090	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	87867	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	41467	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	2844	0.54	ug/L	0.00
7) Chloroethane-d5	1.58	69	2803	0.58	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	5485	0.50	ug/L	0.00
20) 2-Butanone-d5	3.98	46	2824	1.98	ug/L	0.00
24) Chloroform-d	4.38	84	5567	0.50	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	3122	0.50	ug/L	0.00
32) Benzene-d6	5.08	84	10616	0.50	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	3361	0.52	ug/L	0.00
41) Toluene-d8	7.34	98	9674	0.48	ug/L	0.00
45) trans-1,3-Dichloropropene-	7.65	79	980	0.39	ug/L	0.00
48) 2-Hexanone-d5	8.13	63	4913	4.42	ug/L	0.00
59) 1,1,2,2-Tetrachloroethane-	10.24	84	2478	0.54	ug/L	0.00
65) 1,2-Dichlorobenzene-d4	11.65	152	3502	0.51	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	3585	0.488 ug/L	91
3) Chloromethane	1.25	50	4367	0.578 ug/L	98
5) Vinyl chloride	1.32	62	3767	0.526 ug/L	95
6) Bromomethane	1.53	94	2015	0.494 ug/L	99
8) Chloroethane	1.60	64	1941	0.388 ug/L	83
9) Trichlorofluoromethane	1.76	101	4641	0.479 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2596	0.475 ug/L	98
12) 1,1-Dichloroethene	2.13	96	2590	0.498 ug/L	86
14) Carbon disulfide	2.31	76	7828	0.462 ug/L	98
15) Methyl Acetate	2.47	43	1203	0.537 ug/L #	87
16) Methylene chloride	2.52	84	3683	0.598 ug/L	91
17) Methyl tert-butyl Ether	2.79	73	6147	0.459 ug/L #	92
18) trans-1,2-Dichloroethene	2.78	96	2926	0.512 ug/L	98
19) 1,1-Dichloroethane	3.21	63	4969	0.455 ug/L	94
21) 2-Butanone	4.05	43	2551	1.718 ug/L	94
22) cis-1,2-Dichloroethene	3.94	96	3769	0.619 ug/L	96
23) Bromochloromethane	4.28	128	1057	0.414 ug/L	98
25) Chloroform	4.41	83	5413	0.451 ug/L	96
27) 1,2-Dichloroethane	5.16	62	3734	0.497 ug/L #	92
29) 1,1,1-Trichloroethane	4.63	97	4617	0.465 ug/L	100
30) Cyclohexane	4.69	56	5036	0.499 ug/L #	92
31) Carbon tetrachloride	4.85	117	3918	0.457 ug/L	99
33) Benzene	5.12	78	11369	0.495 ug/L	100
34) Trichloroethene	5.94	95	2958	0.461 ug/L	96
35) Methylcyclohexane	6.15	83	4998	0.503 ug/L	96
37) 1,2-Dichloropropane	6.20	63	2775	0.475 ug/L #	88
38) Bromodichloromethane	6.54	83	3215	0.441 ug/L #	87
39) cis-1,3-Dichloropropene	7.05	75	3447	0.421 ug/L	87
40) 4-Methyl-2-pentanone	7.26	43	15800	4.370 ug/L	97
42) Toluene	7.41	91	12494	0.512 ug/L	100

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 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

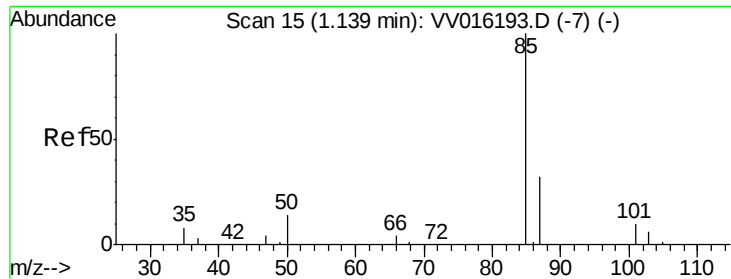
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 27 02:02:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
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 Response via : Initial Calibration

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

43) 1,3,5-Trimethylbenzene	10.56	105	9927	0.440	ug/L	96
44) 1,2,4-Trimethylbenzene	10.94	105	10476	0.464	ug/L	99
46) trans-1,3-Dichloropropene	7.68	75	2766	0.400	ug/L	98
47) 1,1,2-Trichloroethane	7.87	97	1622	0.418	ug/L	93
49) Tetrachloroethene	8.00	164	2013	0.445	ug/L	93
50) 2-Hexanone	8.17	43	10584	4.164	ug/L	99
51) Dibromochloromethane	8.27	129	1722	0.404	ug/L	89
52) 1,2-Dibromoethane	8.38	107	1570	0.438	ug/L #	86
53) Chlorobenzene	8.90	112	7548	0.483	ug/L	96
54) Ethylbenzene	9.03	91	13227	0.475	ug/L	97
55) m,p-xylene	9.16	106	4658	0.453	ug/L	98
56) o-xylene	9.57	106	4718	0.480	ug/L	78
57) Styrene	9.58	104	7141	0.434	ug/L	97
58) Isopropylbenzene	9.95	105	12581	0.467	ug/L	98
60) 1,1,2,2-Tetrachloroethane	10.27	83	2249	0.528	ug/L	89
62) Bromoform	9.75	173	655	0.341	ug/L #	77
63) 1,3-Dichlorobenzene	11.21	146	5498	0.475	ug/L	95
64) 1,4-Dichlorobenzene	11.30	146	6108	0.523	ug/L	93
66) 1,2-Dichlorobenzene	11.67	146	5138	0.490	ug/L	98
67) 1,2-Dibromo-3-chloropropan	12.45	75	283	0.407	ug/L	92
68) 1,3,5-Trichlorobenzene	12.67	180	3794	0.450	ug/L	96
69) 1,2,4-trichlorobenzene	13.29	180	3352	0.461	ug/L	97
70) Naphthalene	13.53	128	9537	0.784	ug/L	98
71) 1,2,3-Trichlorobenzene	13.77	180	3103	0.484	ug/L	95

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



#2

Dichlorodifluoromethane

Concen: 0.488 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV016191.D

Acq: 26 May 2020 14:46

Instrument :

MSVOA_V

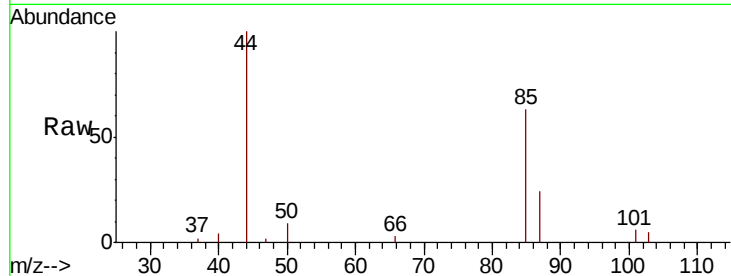
ClientSampleId :

Tot Ion: 85 Resp: 3585

Ion Ratio Lower Upper

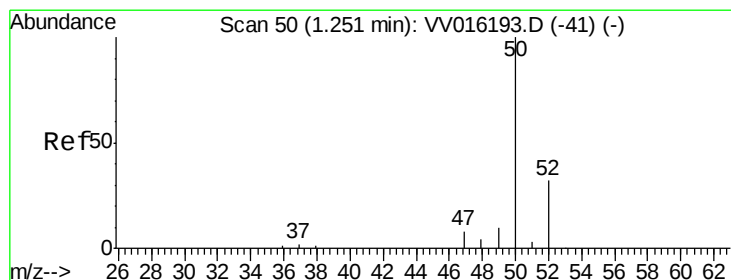
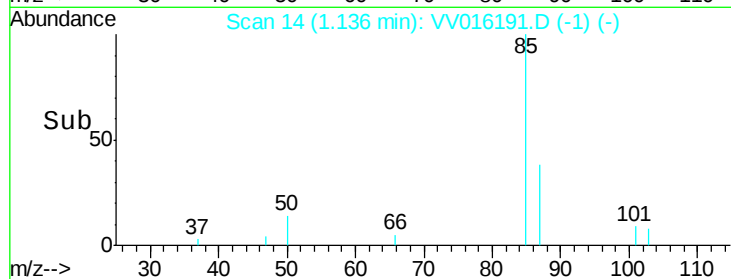
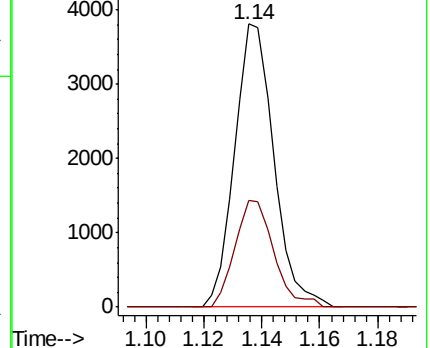
85 100

87 37.0 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: 0.578 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV016191.D

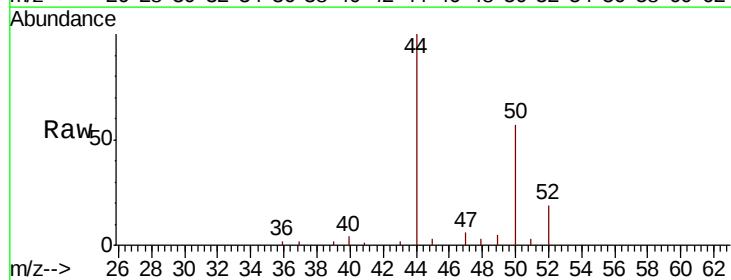
Acq: 26 May 2020 14:46

Tgt Ion: 50 Resp: 4367

Ion Ratio Lower Upper

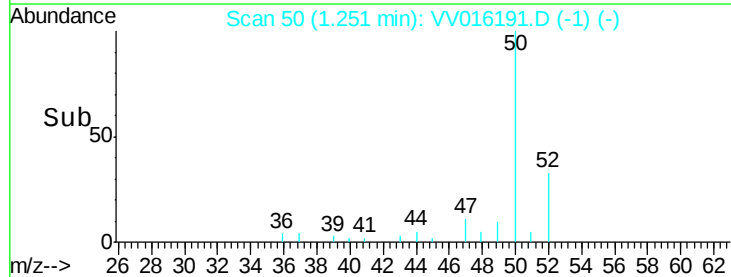
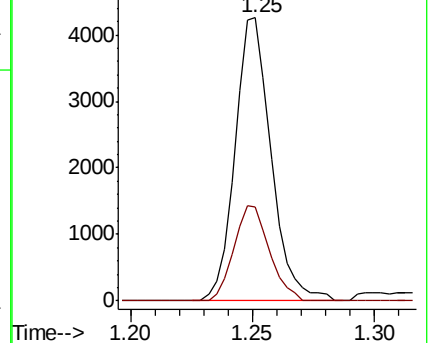
50 100

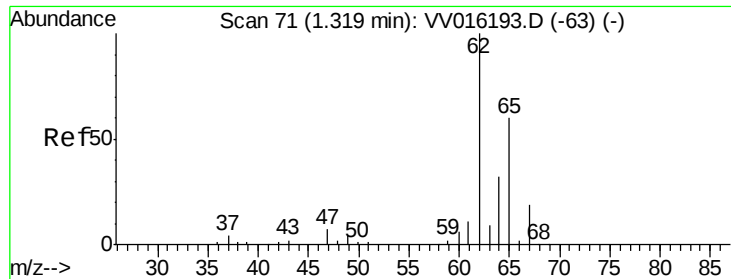
52 33.3 22.5 41.9



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 0.526 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV016191.D

Acq: 26 May 2020 14:46

Instrument :

MSVOA_V

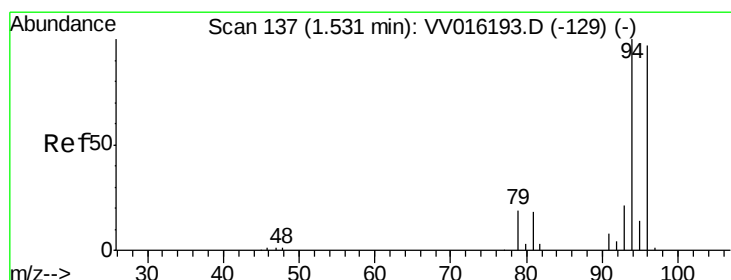
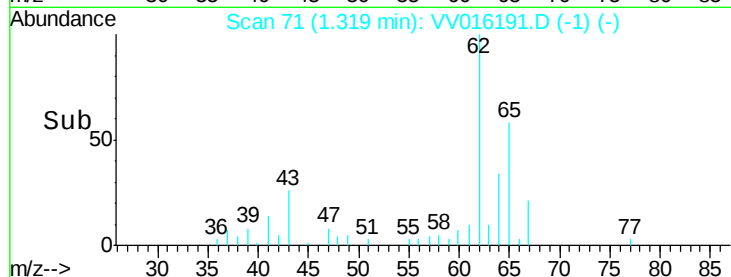
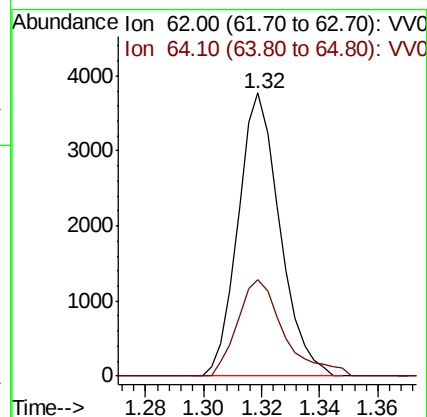
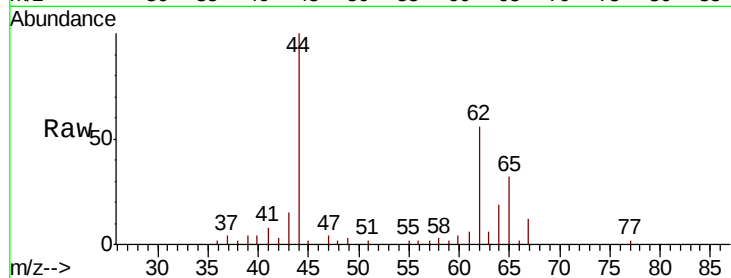
ClientSampleId :

Tot Ion: 62 Resp: 3767

Ion Ratio Lower Upper

62 100

64 34.2 22.1 41.1



#6

Bromomethane

Concen: 0.494 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV016191.D

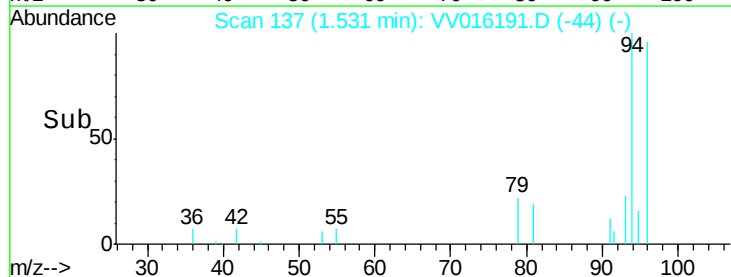
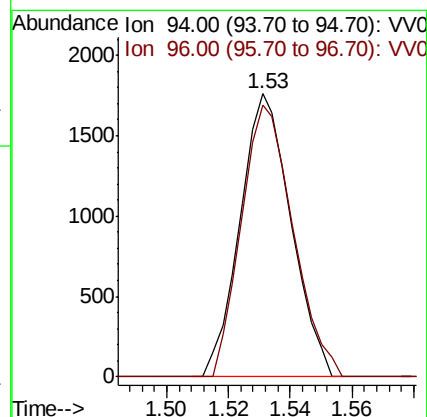
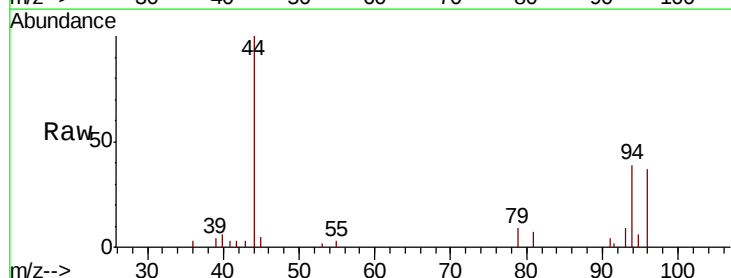
Acq: 26 May 2020 14:46

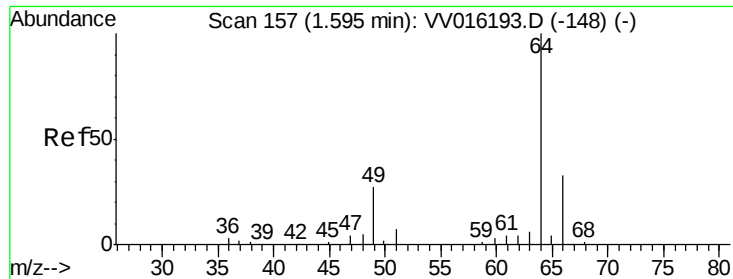
Tgt Ion: 94 Resp: 2015

Ion Ratio Lower Upper

94 100

96 96.0 67.7 125.7





#8

Chloroethane

Concen: 0.388 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV016191.D

Acq: 26 May 2020 14:46

Instrument :

MSVOA_V

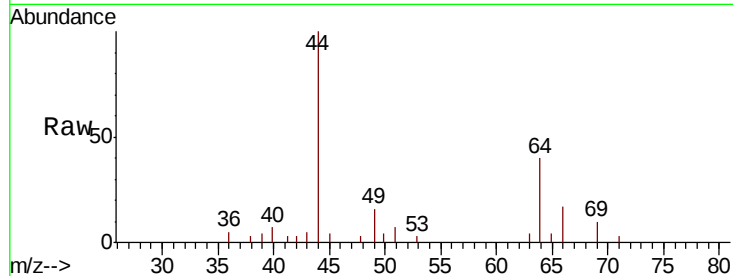
ClientSampleId :

Tot Ion: 64 Resp: 1941

Ion Ratio Lower Upper

64 100

66 42.4 22.9 42.5



Abundance Ion 64.10 (63.80 to 64.80): VV016191.D (-148) (-)

Ion 66.05 (65.75 to 66.75): VV016191.D (-148) (-)

1.60

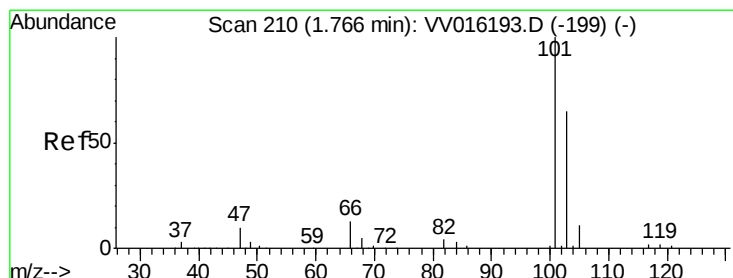
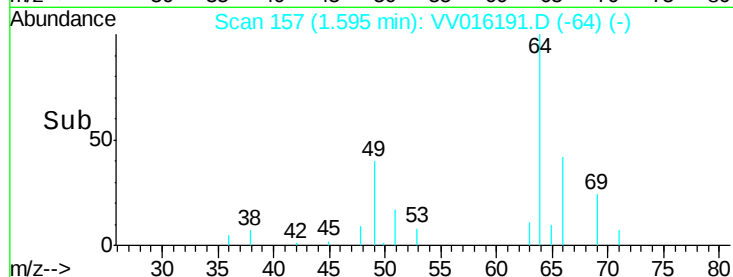
1500

1000

500

0

Time-->



#9

Trichlorofluoromethane

Concen: 0.479 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV016191.D

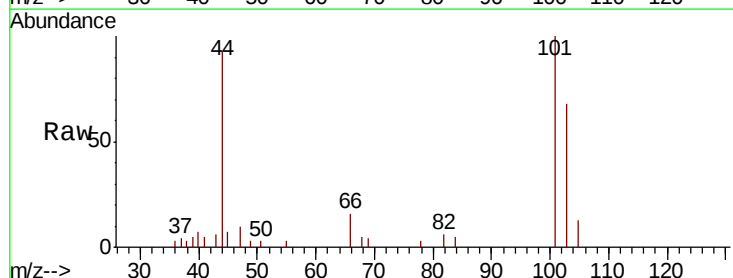
Acq: 26 May 2020 14:46

Tgt Ion: 101 Resp: 4641

Ion Ratio Lower Upper

101 100

103 68.4 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VV016191.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV016191.D (-199) (-)

1.76

4000

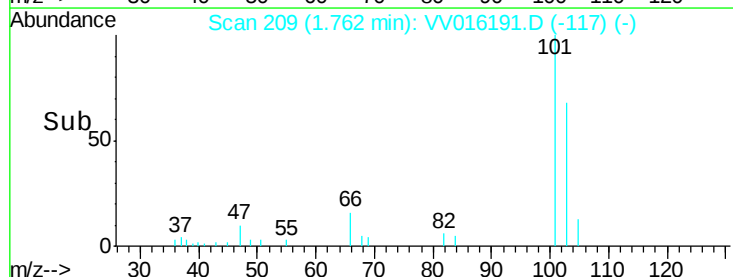
3000

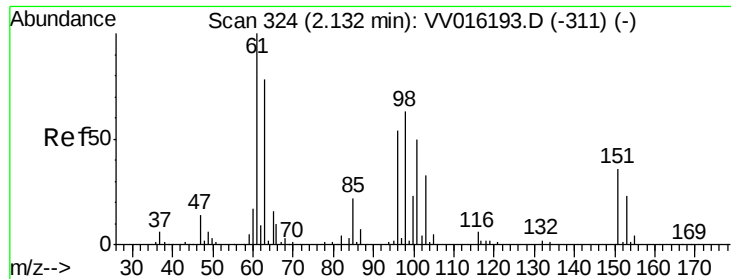
2000

1000

0

Time-->





#10

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

Concen: 0.475 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV016191.D

Acq: 26 May 2020 14:46

Instrument :

MSVOA_V

ClientSampled :

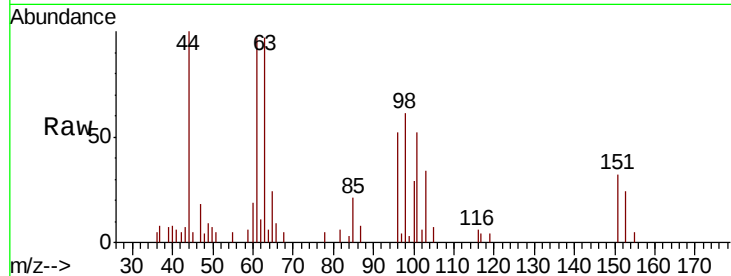
Tot Ion:101 Resp: 2596

Ion Ratio Lower Upper

101 100

85 47.1 35.0 52.6

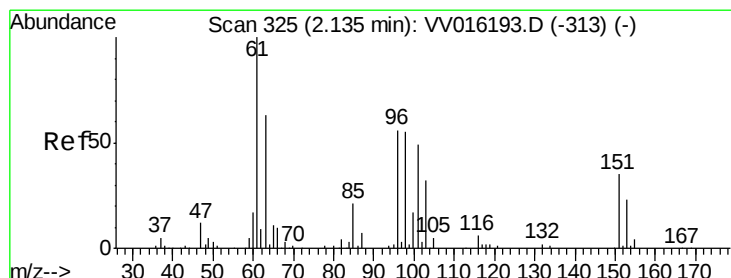
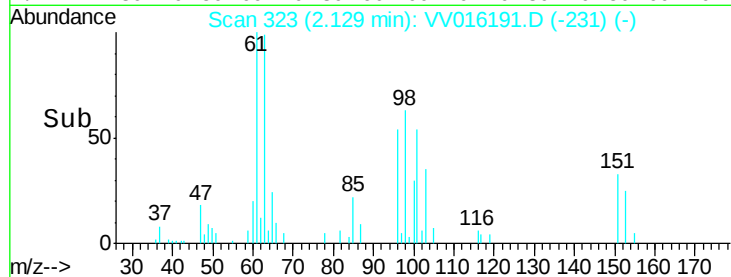
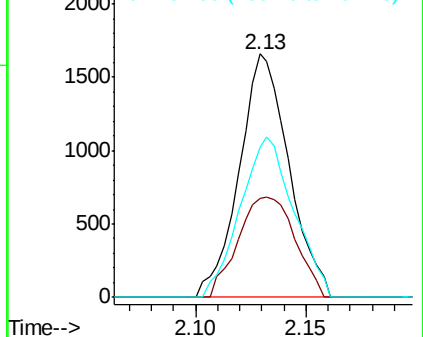
151 70.8 56.3 84.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.498 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV016191.D

Acq: 26 May 2020 14:46

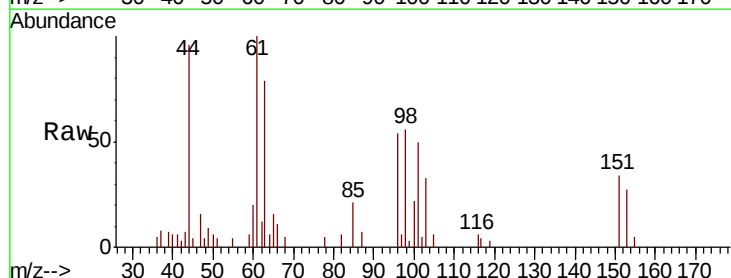
Tgt Ion: 96 Resp: 2590

Ion Ratio Lower Upper

96 100

61 184.3 124.9 231.9

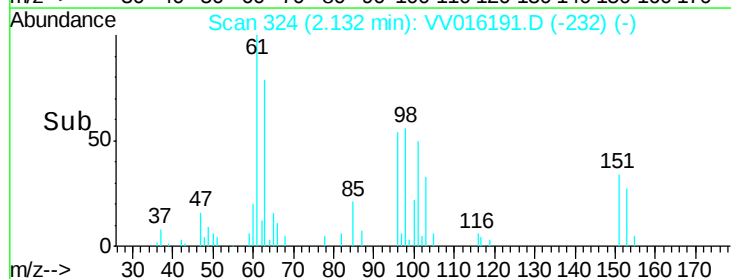
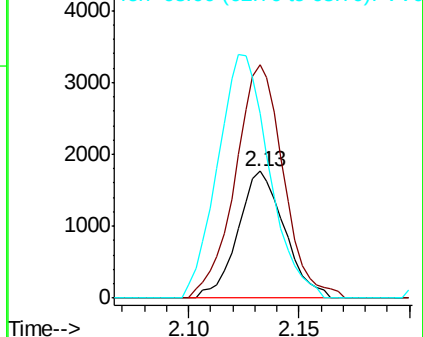
63 145.9 80.4 149.2

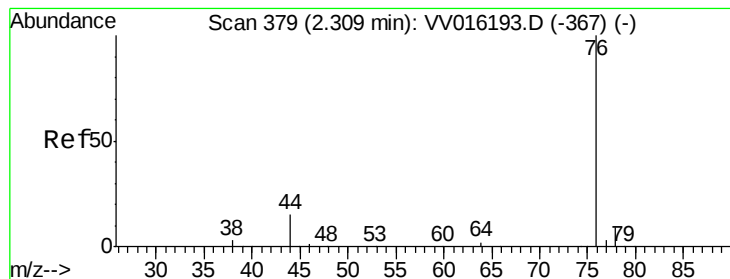


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#14

Carbon disulfide

Concen: 0.462 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV016191.D

Acq: 26 May 2020 14:46

Instrument :

MSVOA_V

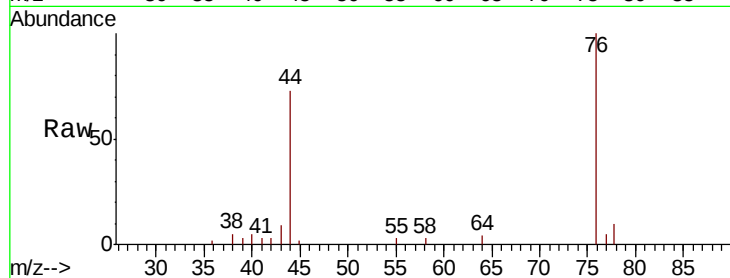
ClientSampleId :

Tot Ion: 76 Resp: 7828

Ion Ratio Lower Upper

76 100

78 9.8 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.31

6000

5000

4000

3000

2000

1000

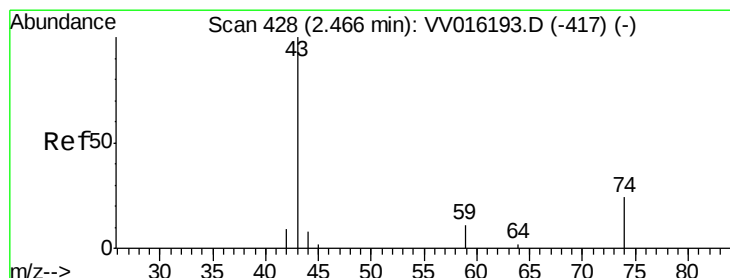
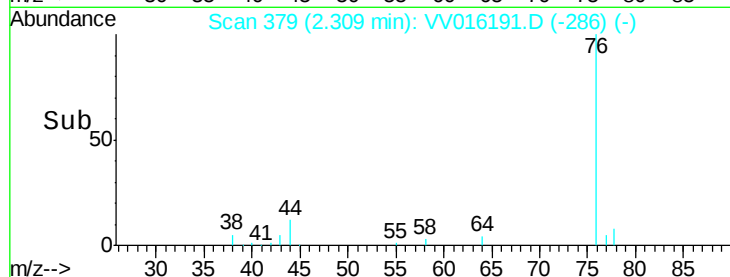
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Time-->

2.25

2.30

2.35



#15

Methyl Acetate

Concen: 0.537 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.01 min

Lab File: VV016191.D

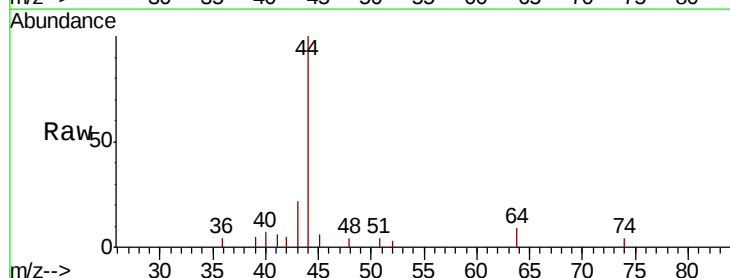
Acq: 26 May 2020 14:46

Tgt Ion: 43 Resp: 1203

Ion Ratio Lower Upper

43 100

74 16.4 18.1 27.1#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

2.47

800

600

400

200

0

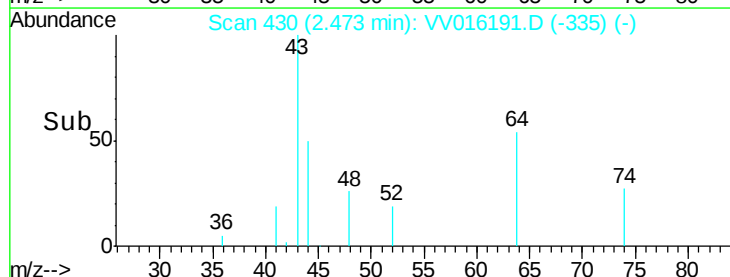
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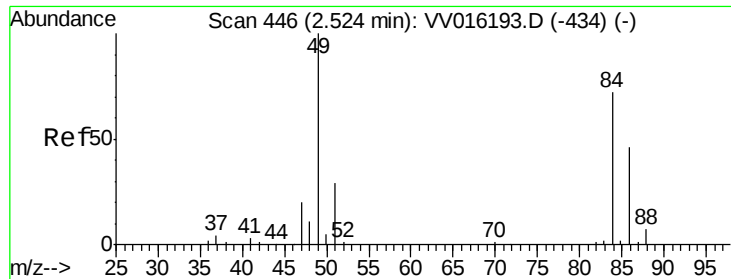
2.40

2.45

2.50

2.55

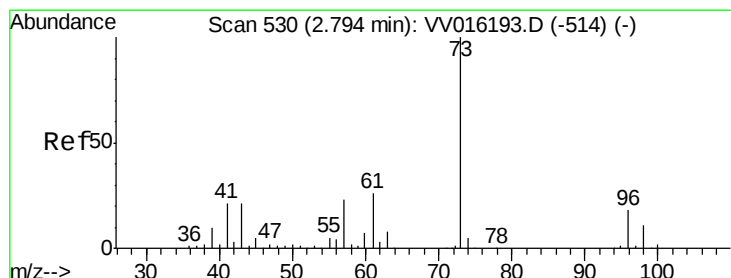
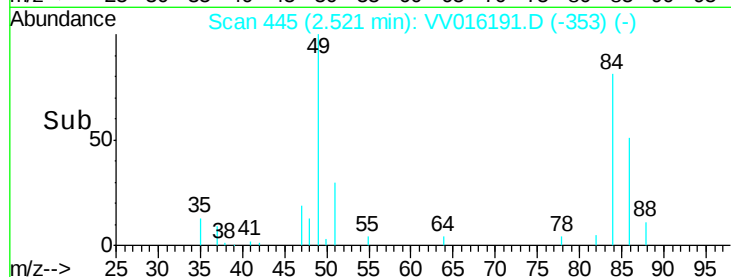
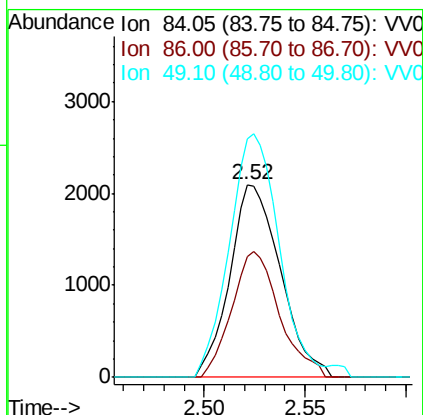
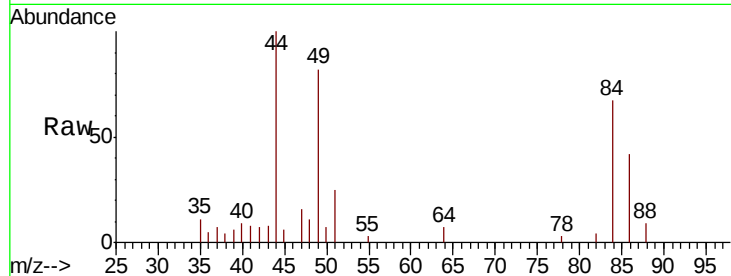




#16
Methylene chloride
Concen: 0.598 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV016191.D
Acq: 26 May 2020 14:46

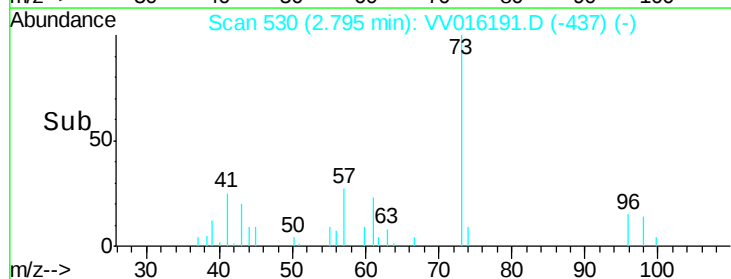
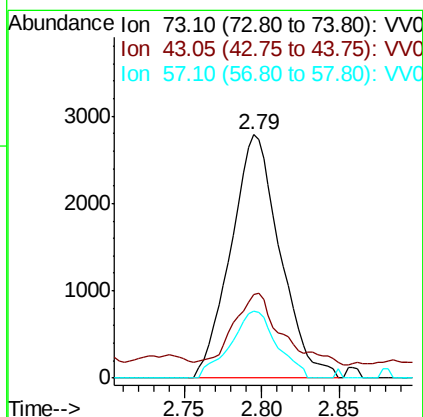
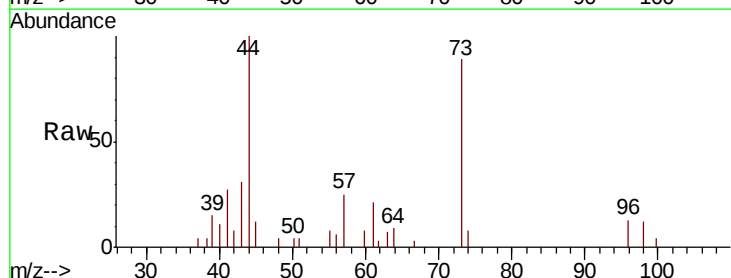
Instrument :
MSVOA_V
ClientSampleId :

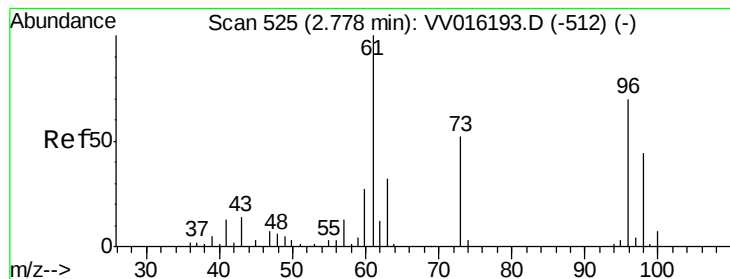
Tot Ion: 84 Resp: 3683
Ion Ratio Lower Upper
84 100
86 62.9 44.9 83.5
49 123.8 96.7 179.7



#17
Methyl tert-butyl Ether
Concen: 0.459 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV016191.D
Acq: 26 May 2020 14:46

Tgt Ion: 73 Resp: 6147
Ion Ratio Lower Upper
73 100
43 27.7 17.8 26.8#
57 25.8 18.9 28.3





#18

trans-1,2-Dichloroethene

Concen: 0.512 ug/L

RT: 2.78 min Scan# 524

Delta R.T. -0.00 min

Lab File: VV016191.D

Acq: 26 May 2020 14:46

Instrument :
MSVOA_V
ClientSampleId :

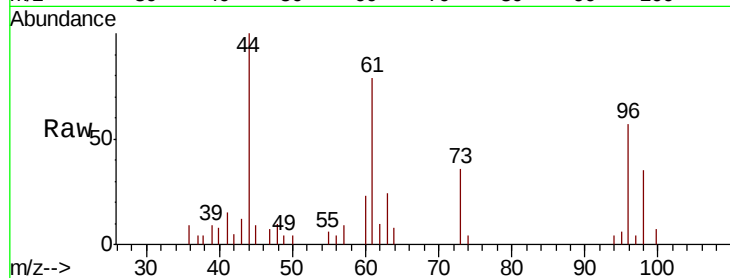
Tot Ion: 96 Resp: 2926

Ion Ratio Lower Upper

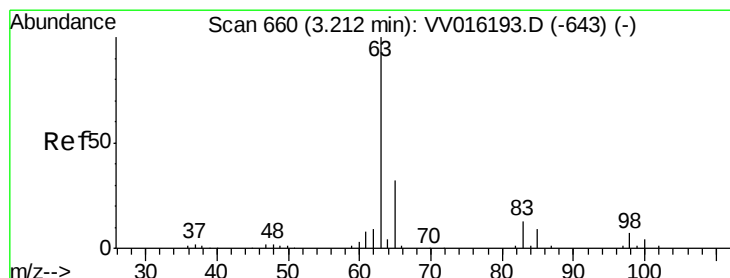
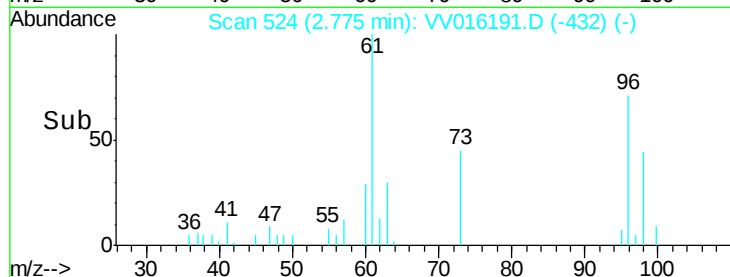
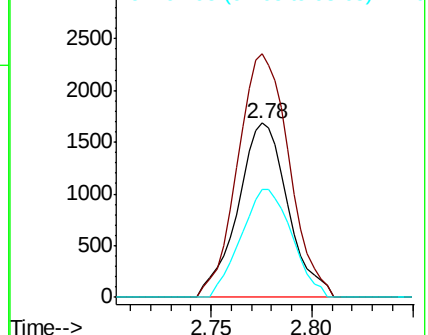
96 100

61 140.0 99.8 185.4

98 62.1 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: 0.455 ug/L

RT: 3.21 min Scan# 659

Delta R.T. -0.00 min

Lab File: VV016191.D

Acq: 26 May 2020 14:46

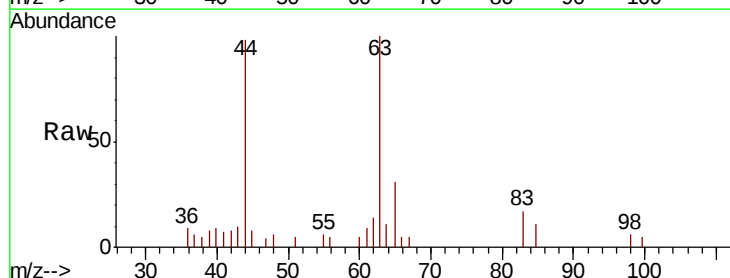
Tgt Ion: 63 Resp: 4969

Ion Ratio Lower Upper

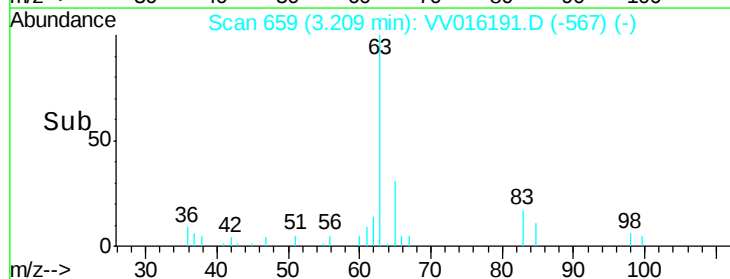
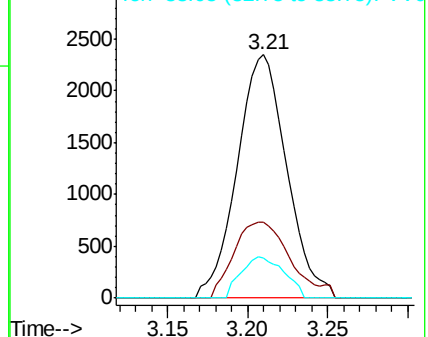
63 100

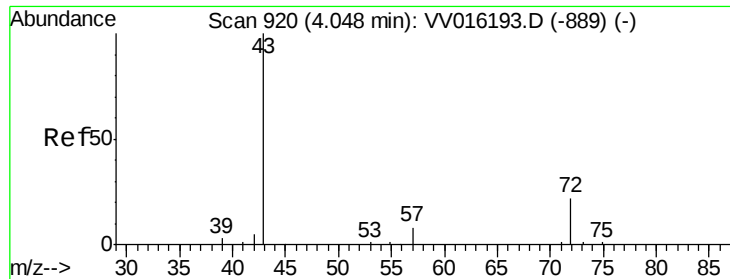
65 28.1 22.3 41.5

83 14.9 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: 1.718 ug/L

RT: 4.05 min Scan# 922

Delta R.T. 0.01 min

Lab File: VV016191.D

Acq: 26 May 2020 14:46

Instrument :

MSVOA_V

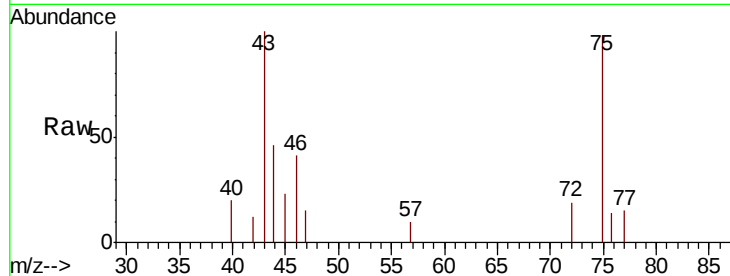
ClientSampled :

Tot Ion: 43 Resp: 2551

Ion Ratio Lower Upper

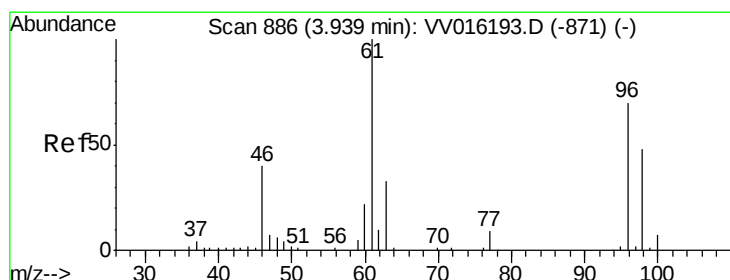
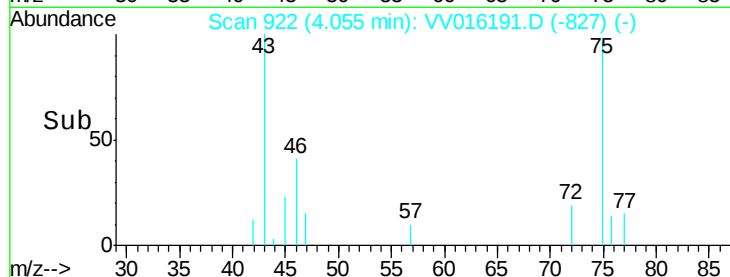
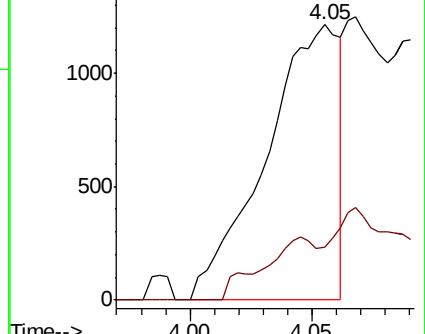
43 100

72 16.5 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: 0.619 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV016191.D

Acq: 26 May 2020 14:46

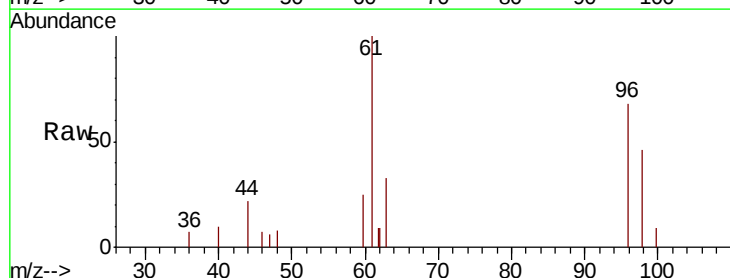
Tgt Ion: 96 Resp: 3769

Ion Ratio Lower Upper

96 100

61 147.8 99.7 185.1

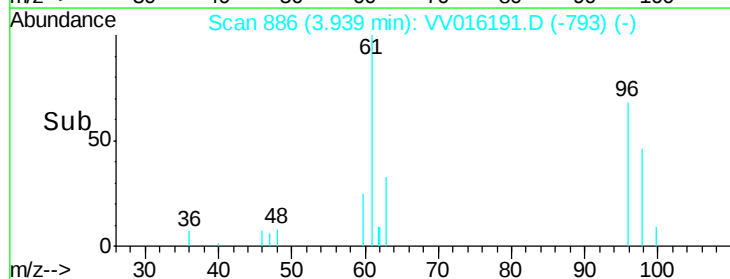
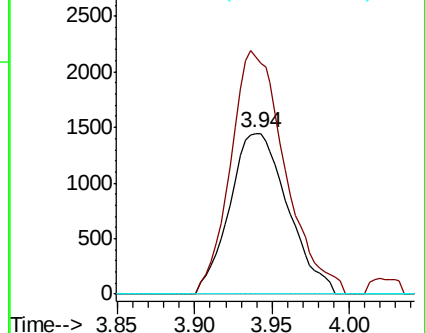
68 0.0 0.0 0.0

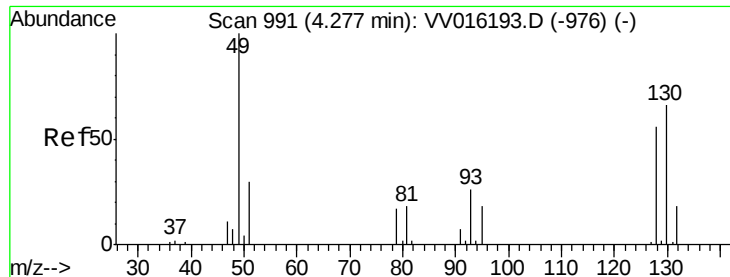


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0

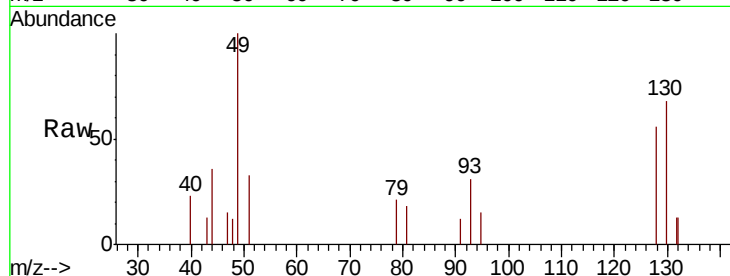




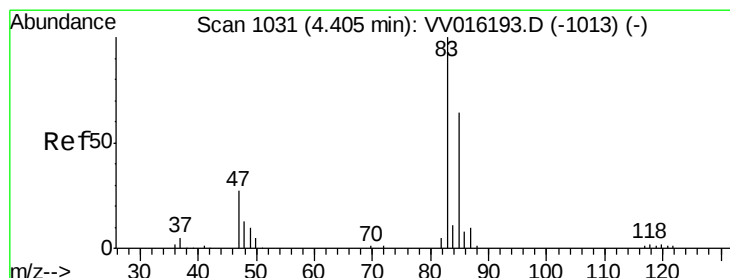
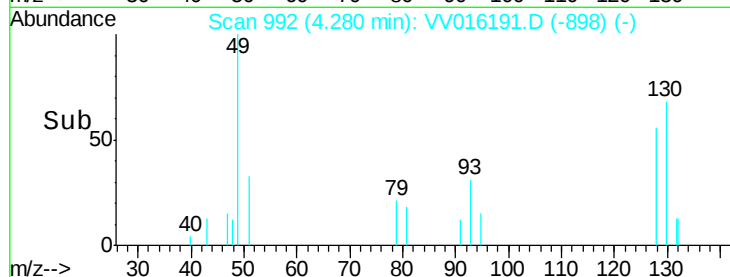
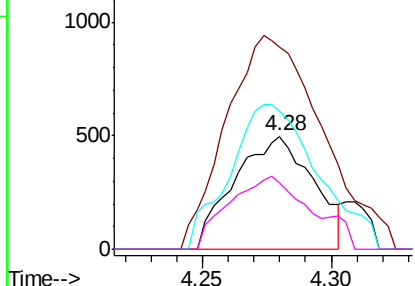
#23
Bromochloromethane
Concen: 0.414 ug/L
RT: 4.28 min Scan# 992
Delta R.T. 0.00 min
Lab File: VV016191.D
Acq: 26 May 2020 14:46

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:128 Resp: 1057
Ion Ratio Lower Upper
128 100
49 179.3 125.5 233.1
130 122.5 83.0 154.2
51 59.4 42.9 64.3

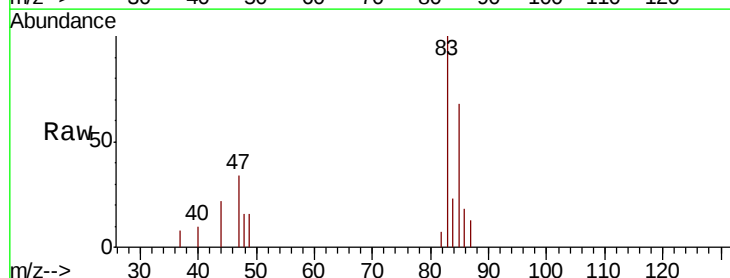


Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VV0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VV0

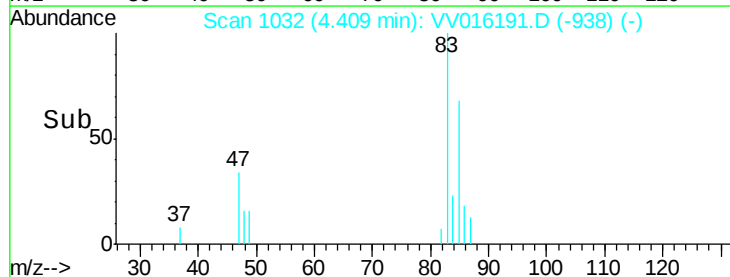
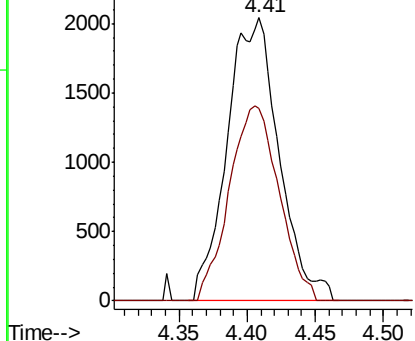


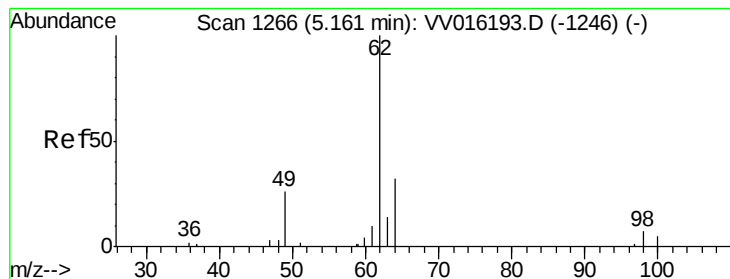
#25
Chloroform
Concen: 0.451 ug/L
RT: 4.41 min Scan# 1032
Delta R.T. 0.00 min
Lab File: VV016191.D
Acq: 26 May 2020 14:46

Tgt Ion: 83 Resp: 5413
Ion Ratio Lower Upper
83 100
85 67.8 45.1 83.7



Abundance Ion 83.05 (82.75 to 83.75): VV0
Ion 85.00 (84.70 to 85.70): VV0





#27

1,2-Dichloroethane

Concen: 0.497 ug/L

RT: 5.16 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VV016191.D

Acq: 26 May 2020 14:46

Instrument :

MSVOA_V

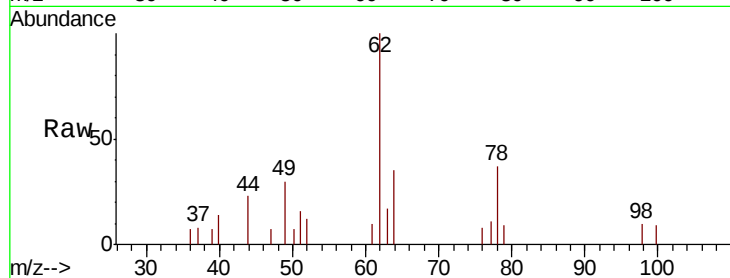
ClientSampleId :

Tot Ion: 62 Resp: 3734

Ion Ratio Lower Upper

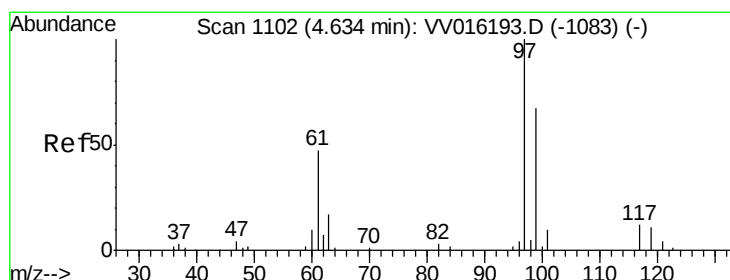
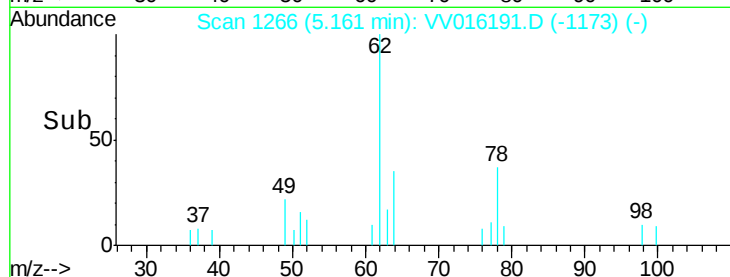
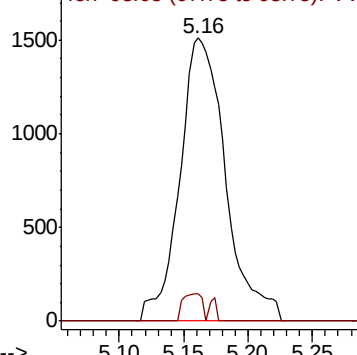
62 100

98 9.8 5.7 8.5#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.05 (97.75 to 98.75): VV0



#29

1,1,1-Trichloroethane

Concen: 0.465 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV016191.D

Acq: 26 May 2020 14:46

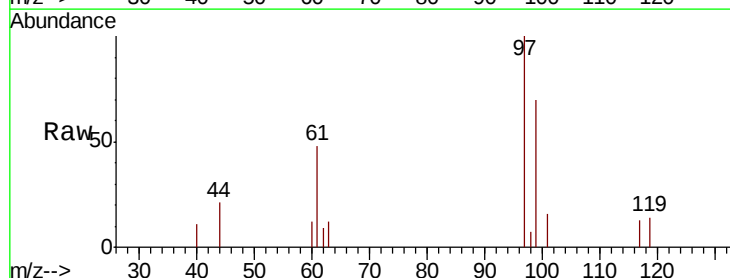
Tgt Ion: 97 Resp: 4617

Ion Ratio Lower Upper

97 100

99 64.3 51.2 76.8

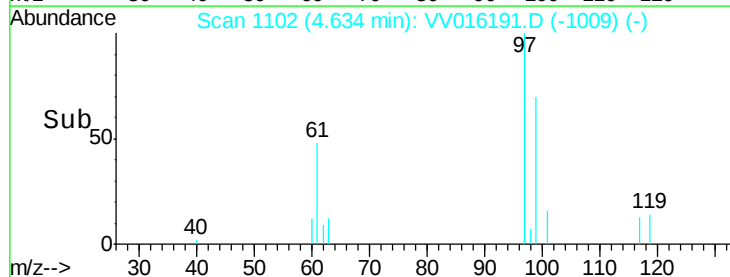
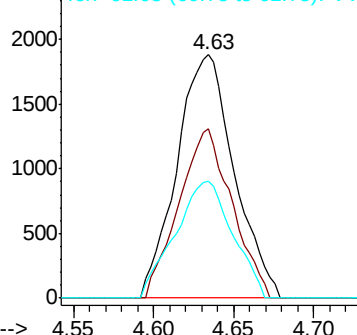
61 48.2 38.6 57.8

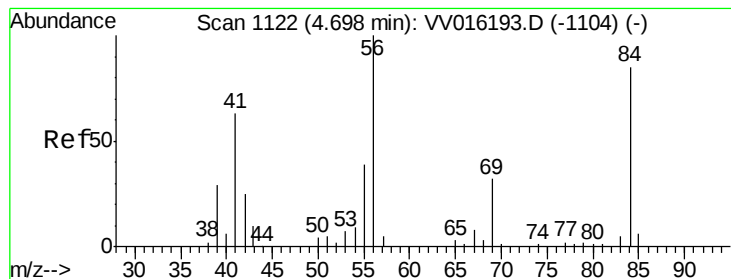


Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0





#30

Cyclohexane

Concen: 0.499 ug/L

RT: 4.69 min Scan# 1121

Delta R.T. -0.00 min

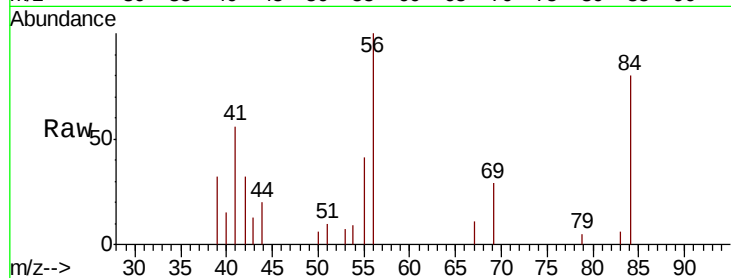
Lab File: VV016191.D

Acq: 26 May 2020 14:46

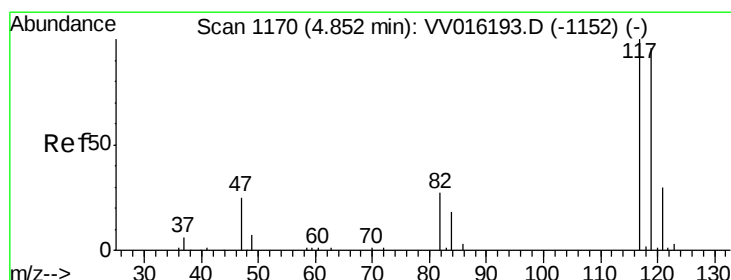
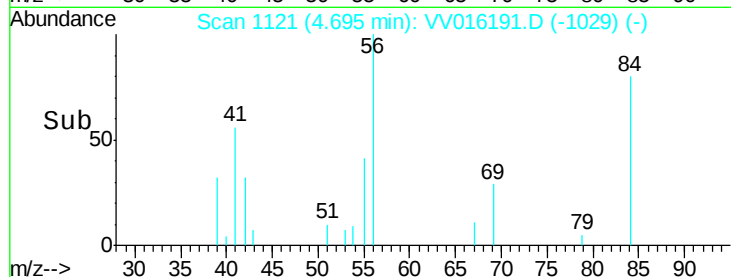
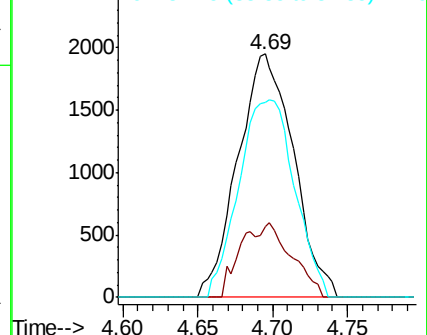
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 56 Resp: 5036

Ion	Ratio	Lower	Upper
56	100		
69	17.7	24.6	36.8#
84	81.4	67.1	100.7



Abundance Ion 56.10 (55.80 to 56.80): VV016191.D (-1029) (-)



#31

Carbon tetrachloride

Concen: 0.457 ug/L

RT: 4.85 min Scan# 1169

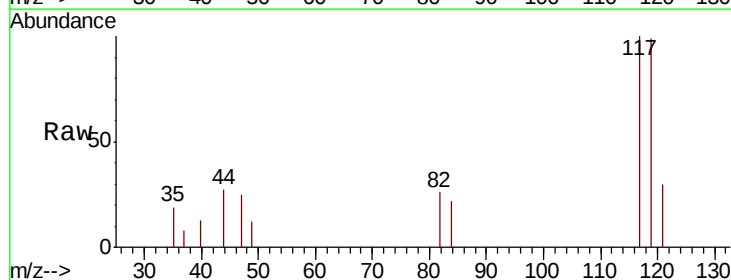
Delta R.T. -0.00 min

Lab File: VV016191.D

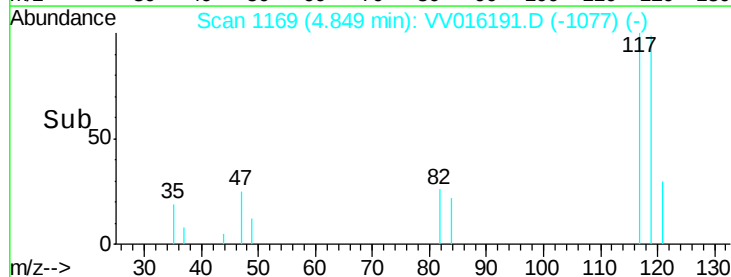
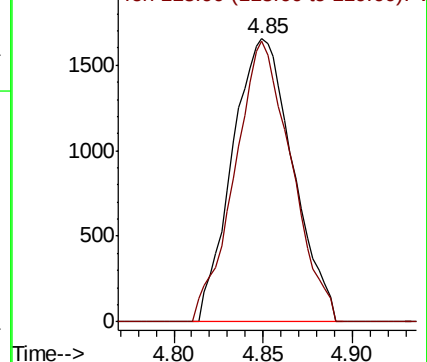
Acq: 26 May 2020 14:46

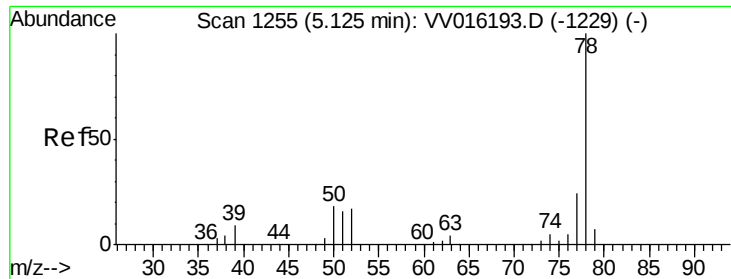
Tgt Ion: 117 Resp: 3918

Ion	Ratio	Lower	Upper
117	100		
119	92.6	75.2	112.8



Abundance Ion 116.90 (116.60 to 117.60): VV016191.D (-1077) (-)

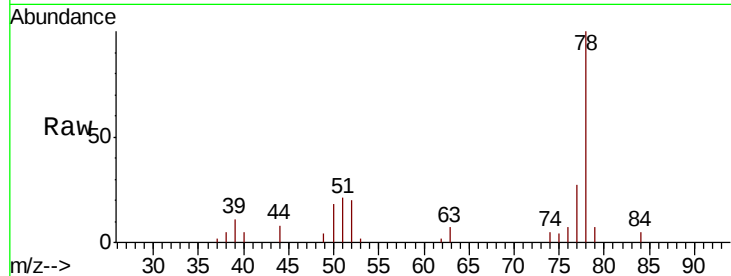




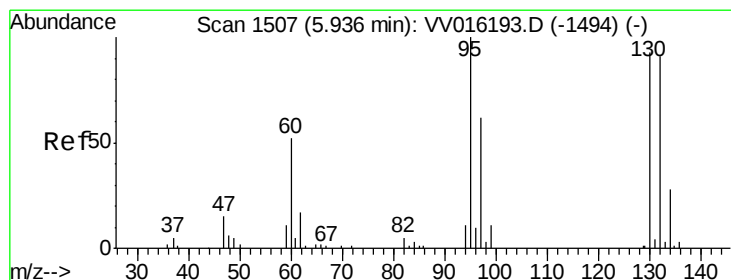
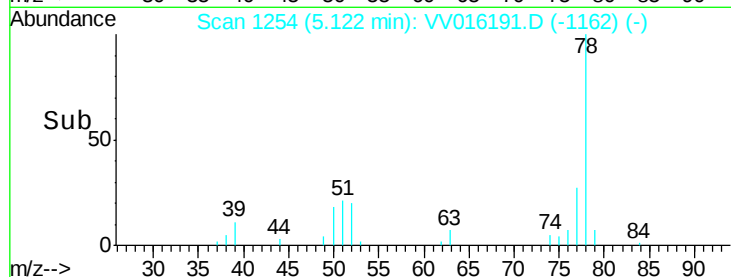
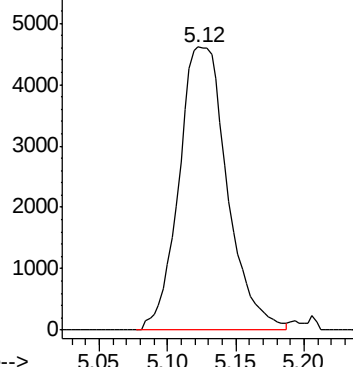
#33
Benzene
Concen: 0.495 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VV016191.D
Acq: 26 May 2020 14:46

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 78 Resp: 11369



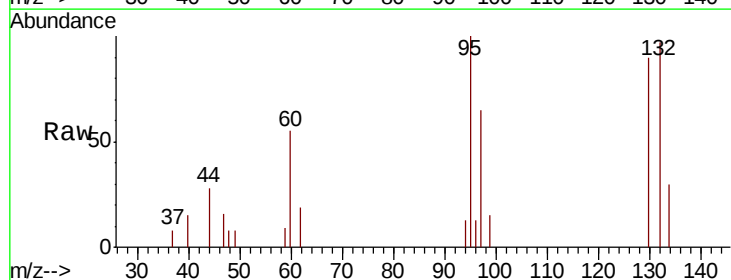
Abundance Ion 78.10 (77.80 to 78.80): VV0



#34
Trichloroethene
Concen: 0.461 ug/L
RT: 5.94 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VV016191.D
Acq: 26 May 2020 14:46

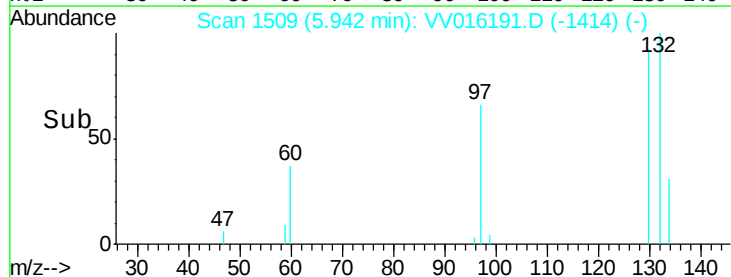
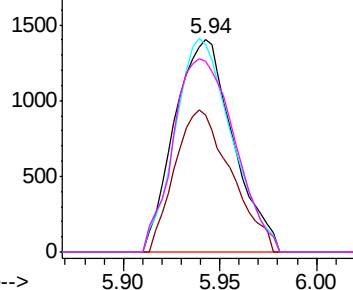
Tgt Ion: 95 Resp: 2958

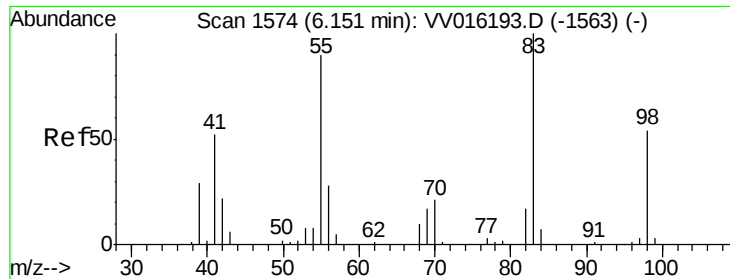
Ion	Ratio	Lower	Upper
95	100		
97	64.6	43.6	81.0
132	97.2	63.9	118.7
130	89.8	65.2	121.0



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

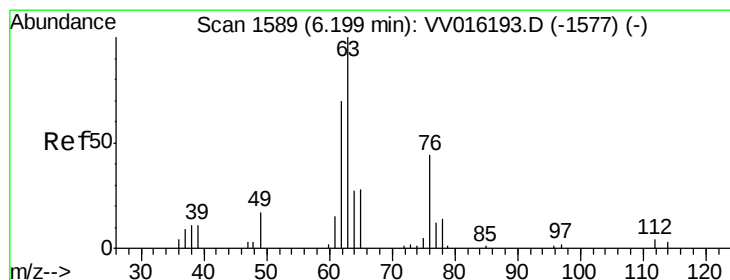
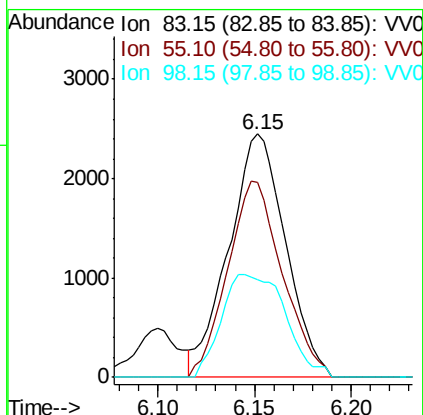
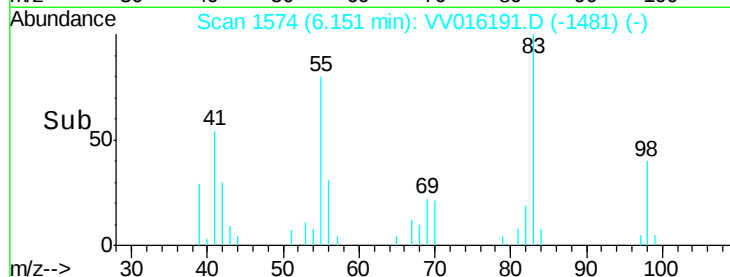
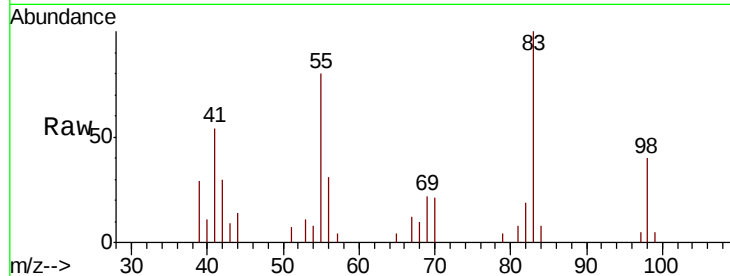




#35
Methvlcvclohexane
Concen: 0.503 ug/L
RT: 6.15 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VV016191.D
Acq: 26 May 2020 14:46

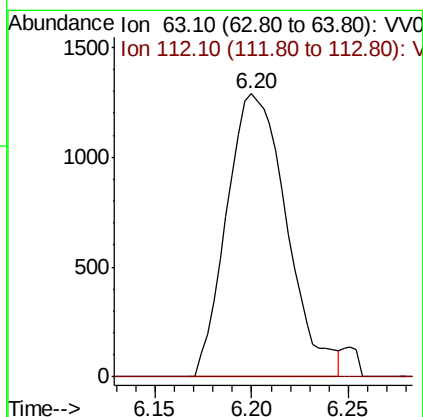
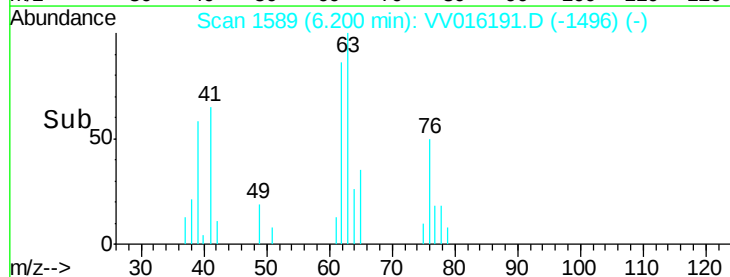
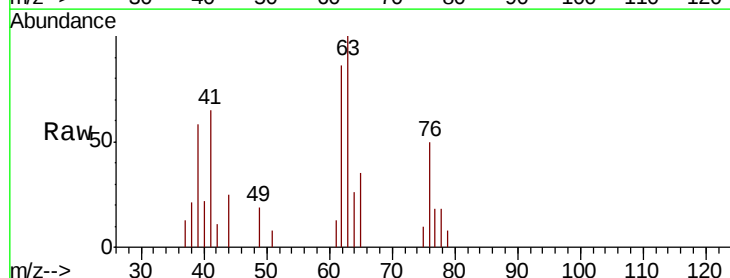
Instrument :
MSVOA_V
ClientSampleId :

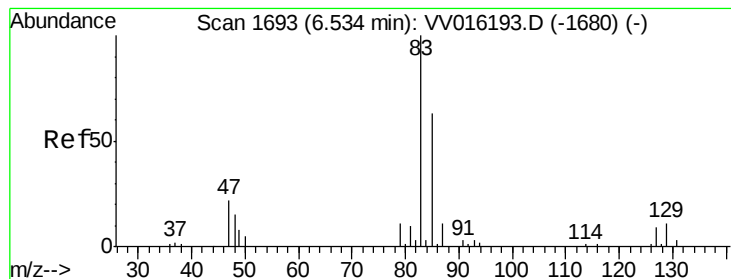
Tot Ion: 83 Resp: 4998
Ion Ratio Lower Upper
83 100
55 77.6 65.4 98.0
98 47.5 39.3 58.9



#37
1,2-Dichloropropane
Concen: 0.475 ug/L
RT: 6.20 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VV016191.D
Acq: 26 May 2020 14:46

Tgt Ion: 63 Resp: 2775
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#





#38

Bromodichloromethane

Concen: 0.441 ug/L

RT: 6.54 min Scan# 1694

Delta R.T. 0.00 min

Lab File: VV016191.D

Acq: 26 May 2020 14:46

Instrument :

MSVOA_V

ClientSampleId :

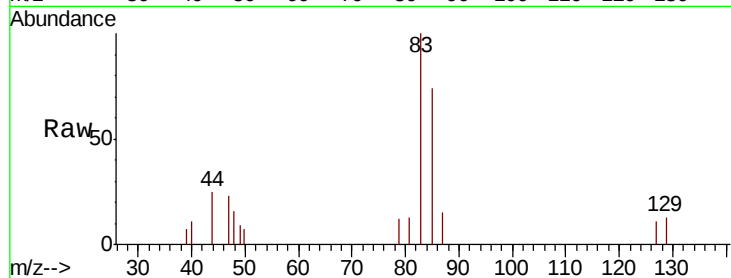
Tot Ion: 83 Resp: 3215

Ion Ratio Lower Upper

83 100

85 74.0 44.2 82.2

127 11.4 7.1 10.7#



Abundance Ion 82.95 (82.65 to 83.65): VV016191.D (-1680) (-)

Ion 85.00 (84.70 to 85.70): VV016191.D (-1680) (-)

Ion 126.90 (126.60 to 127.60): VV016191.D (-1680) (-)

6.54

1500

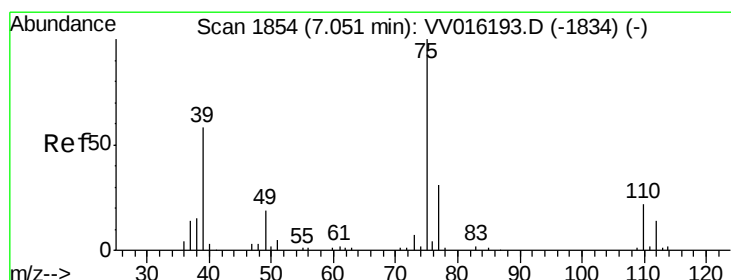
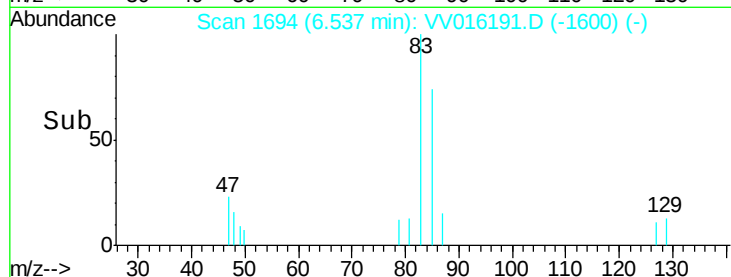
1000

500

0

6.50 6.55 6.60

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.421 ug/L

RT: 7.05 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VV016191.D

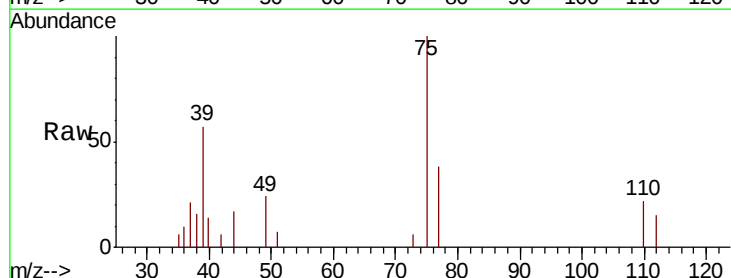
Acq: 26 May 2020 14:46

Tgt Ion: 75 Resp: 3447

Ion Ratio Lower Upper

75 100

77 38.2 21.7 40.3



Abundance Ion 75.05 (74.75 to 75.75): VV016191.D (-1761) (-)

Ion 77.05 (76.75 to 77.75): VV016191.D (-1761) (-)

7.05

2000

1500

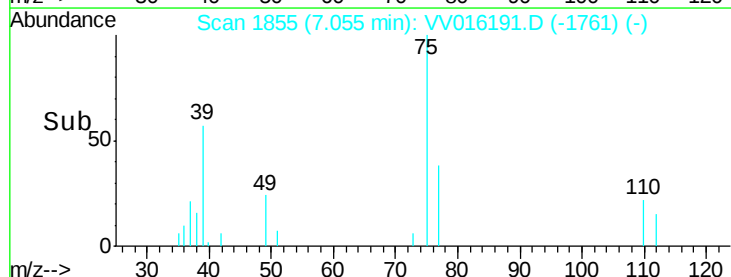
1000

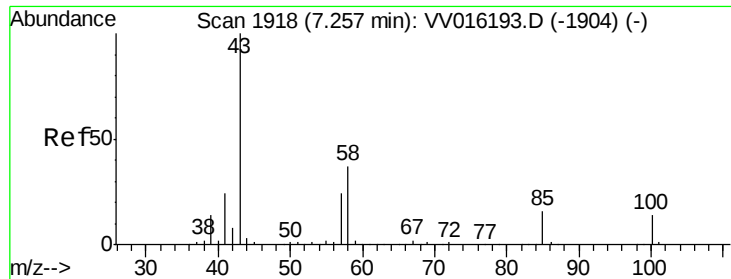
500

0

7.00 7.05 7.10

Time-->

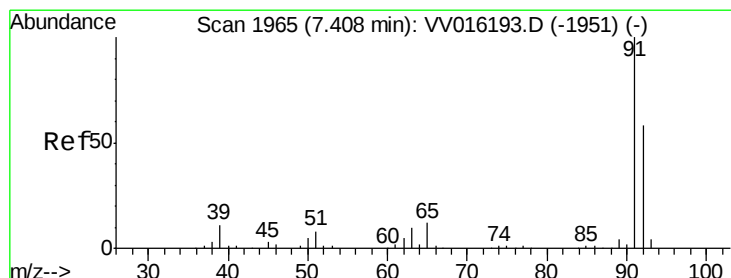
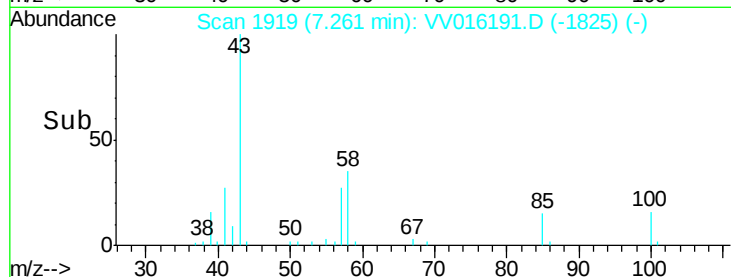
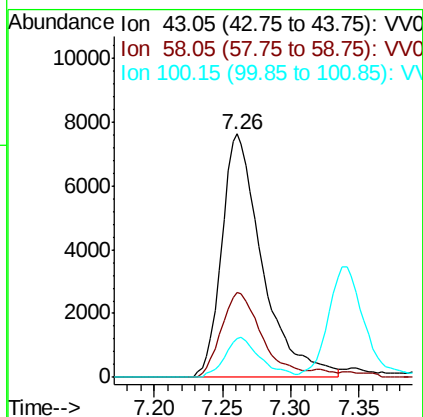
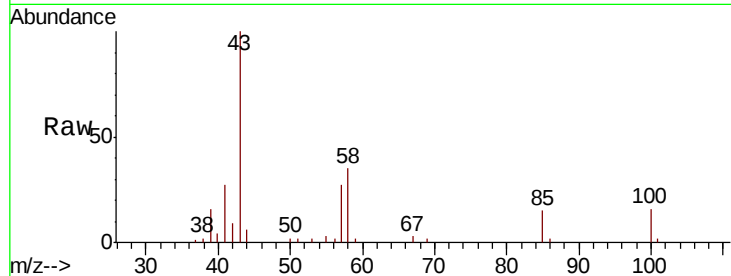




#40
4-Methyl-2-pentanone
Concen: 4.370 ug/L
RT: 7.26 min Scan# 1919
Delta R.T. 0.00 min
Lab File: VV016191.D
Acq: 26 May 2020 14:46

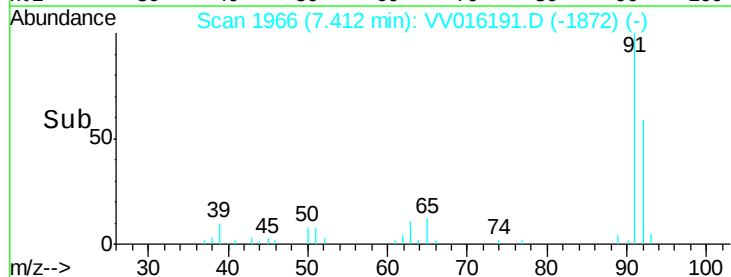
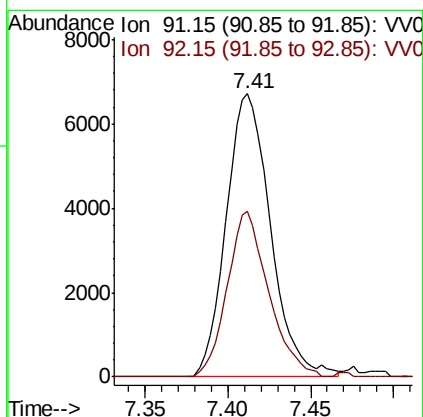
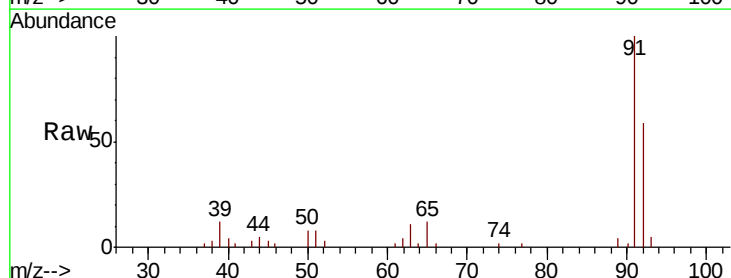
Instrument :
MSVOA_V
ClientSampled :

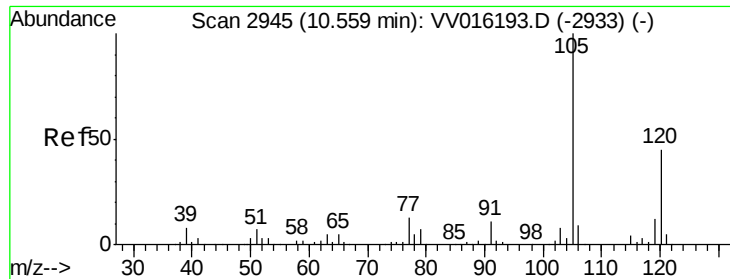
Tot Ion: 43 Resp: 15800
Ion Ratio Lower Upper
43 100
58 34.6 29.5 44.3
100 14.3 11.1 16.7



#42
Toluene
Concen: 0.512 ug/L
RT: 7.41 min Scan# 1966
Delta R.T. 0.00 min
Lab File: VV016191.D
Acq: 26 May 2020 14:46

Tgt Ion: 91 Resp: 12494
Ion Ratio Lower Upper
91 100
92 58.7 40.9 76.0





#43

1,3,5-Trimethylbenzene

Concen: 0.440 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VV016191.D

Acq: 26 May 2020 14:46

Instrument :

MSVOA_V

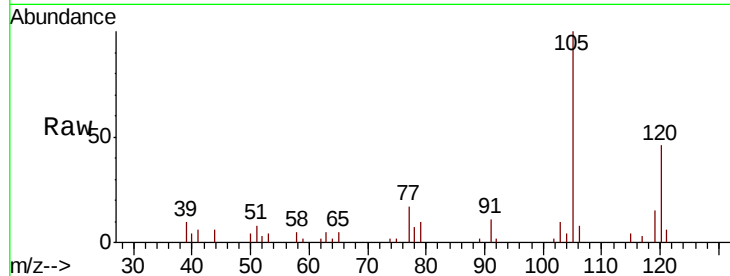
ClientSampleId :

Tot Ion:105 Resp: 9927

Ion Ratio Lower Upper

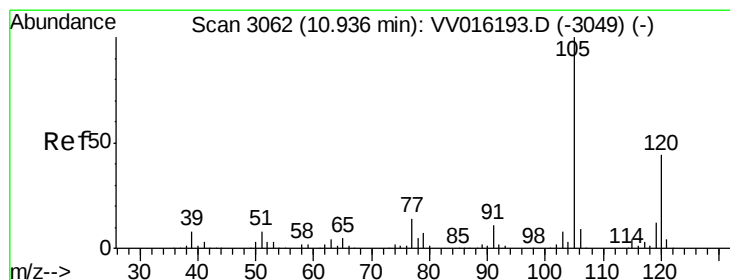
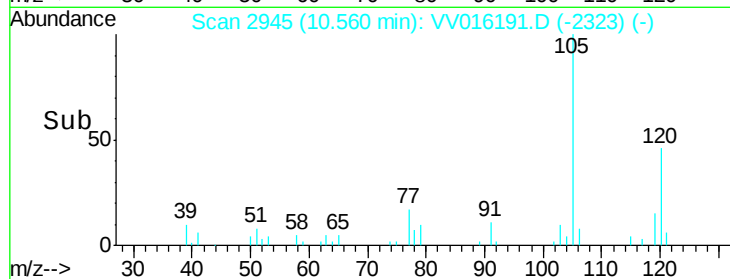
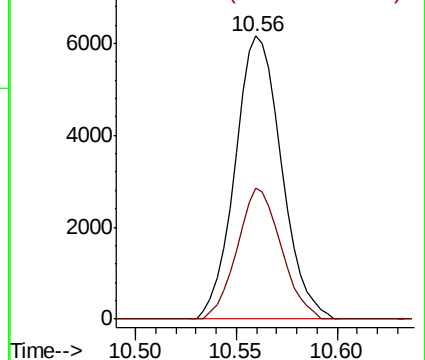
105 100

120 43.8 37.4 56.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#44

1,2,4-Trimethylbenzene

Concen: 0.464 ug/L

RT: 10.94 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VV016191.D

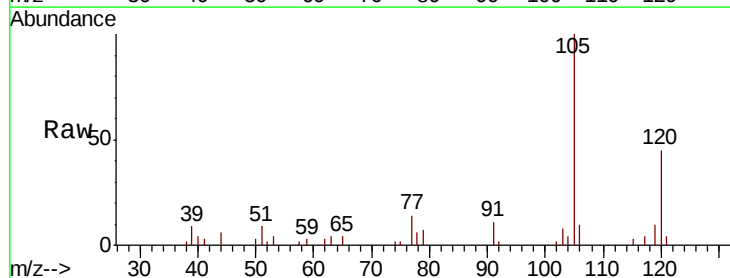
Acq: 26 May 2020 14:46

Tgt Ion:105 Resp: 10476

Ion Ratio Lower Upper

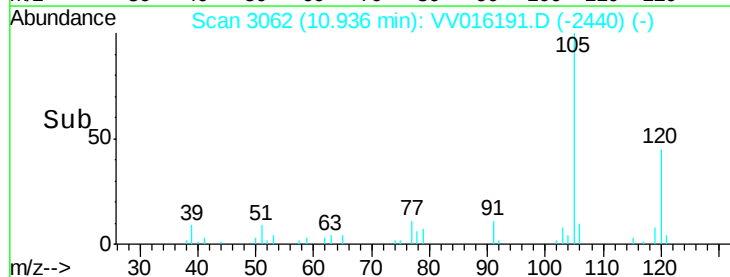
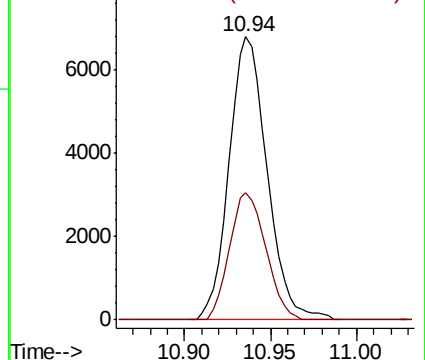
105 100

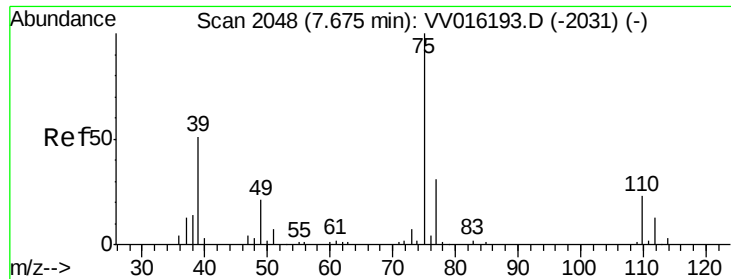
120 42.7 34.6 52.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#46

trans-1,3-Dichloropropene

Concen: 0.400 ug/L

RT: 7.68 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VV016191.D

Acq: 26 May 2020 14:46

Instrument :

MSVOA_V

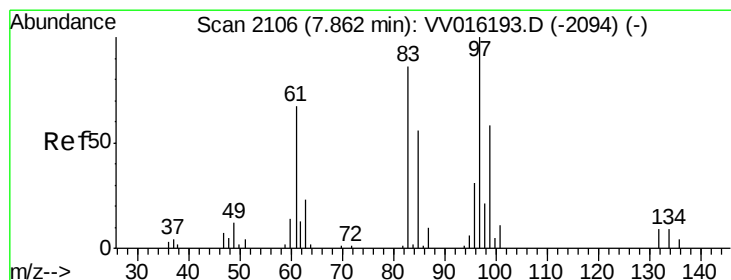
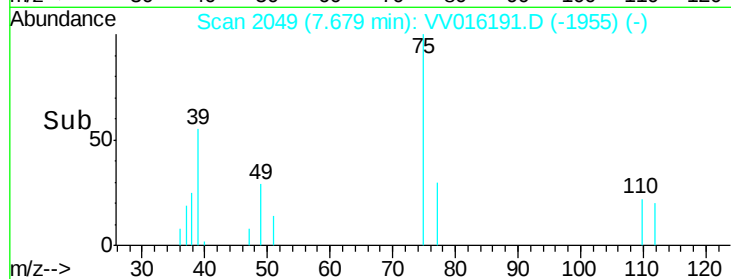
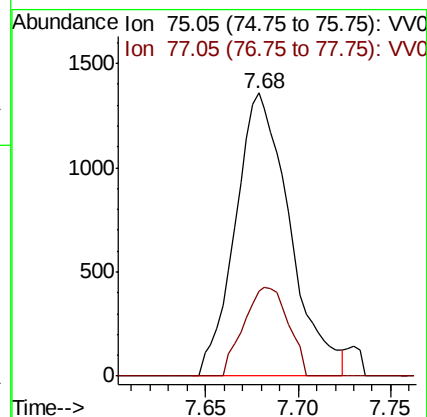
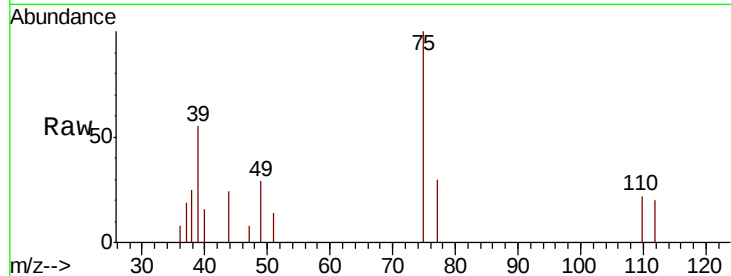
ClientSampleId :

Tot Ion: 75 Resp: 2766

Ion Ratio Lower Upper

75 100

77 30.1 21.7 40.3



#47

1,1,2-Trichloroethane

Concen: 0.418 ug/L

RT: 7.87 min Scan# 2107

Delta R.T. 0.00 min

Lab File: VV016191.D

Acq: 26 May 2020 14:46

Tgt Ion: 97 Resp: 1622

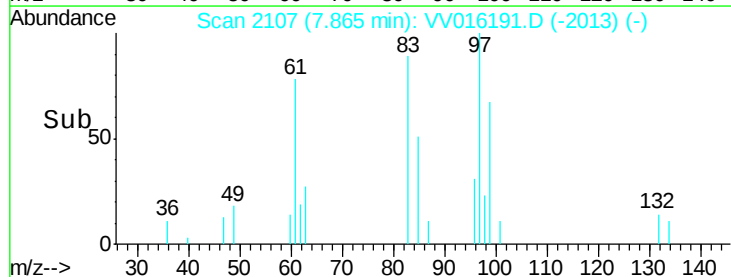
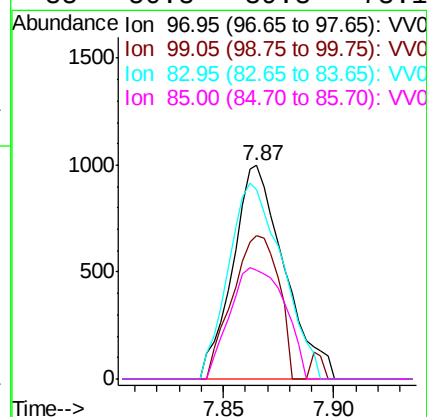
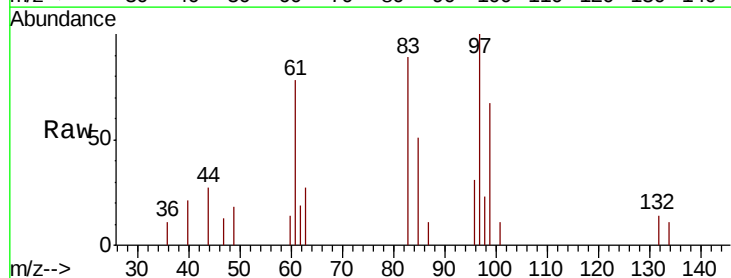
Ion Ratio Lower Upper

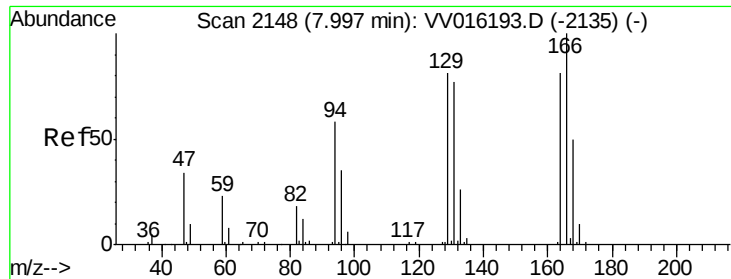
97 100

99 67.3 40.8 75.8

83 88.7 60.0 111.4

85 50.8 39.3 73.1





#49

Tetrachloroethene

Concen: 0.445 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV016191.D

Acq: 26 May 2020 14:46

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:164 Resp: 2013

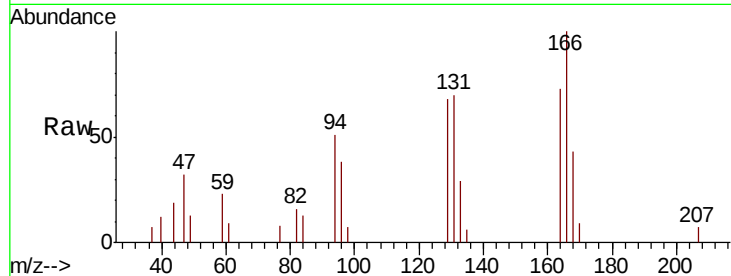
Ion Ratio Lower Upper

164 100

129 93.7 70.7 131.3

131 96.9 66.6 123.8

166 137.9 86.9 161.5

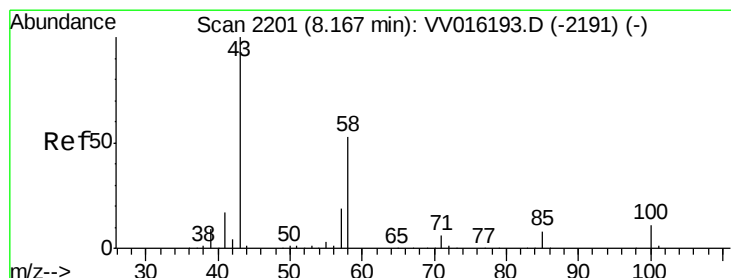
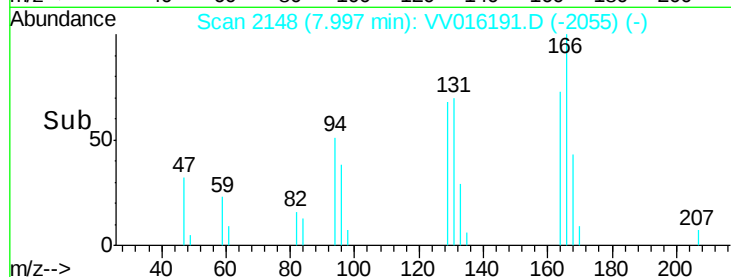
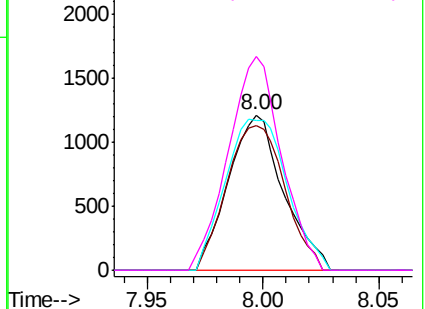


Abundance Ion 163.90 (163.60 to 164.60): V

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



#50

2-Hexanone

Concen: 4.164 ug/L

RT: 8.17 min Scan# 2203

Delta R.T. 0.01 min

Lab File: VV016191.D

Acq: 26 May 2020 14:46

Tgt Ion: 43 Resp: 10584

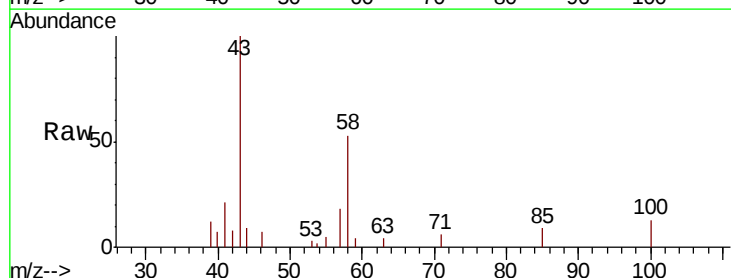
Ion Ratio Lower Upper

43 100

58 53.1 41.4 62.0

57 18.7 15.0 22.4

100 11.3 9.0 13.4

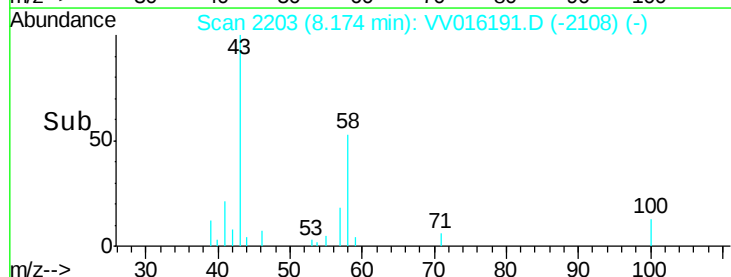
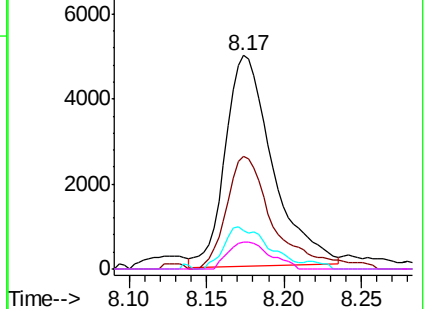


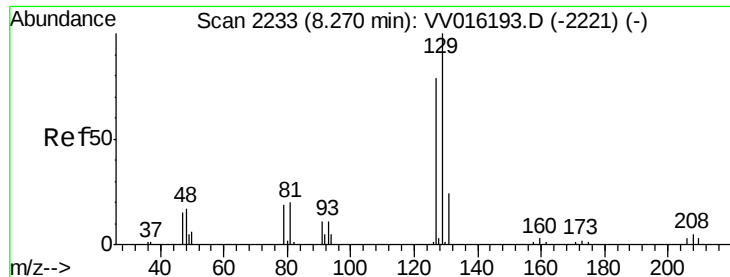
Abundance Ion 43.05 (42.75 to 43.75): VV0

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: 0.404 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. -0.00 min

Lab File: VV016191.D

Acq: 26 May 2020 14:46

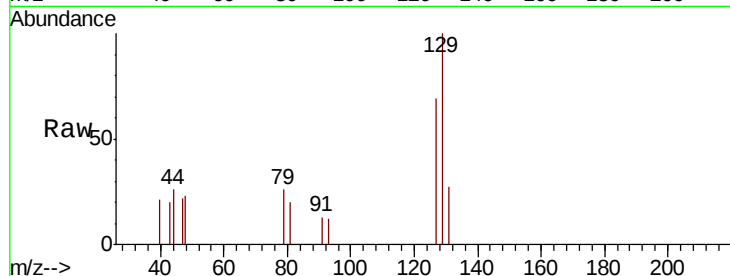
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:129 Resp: 1722

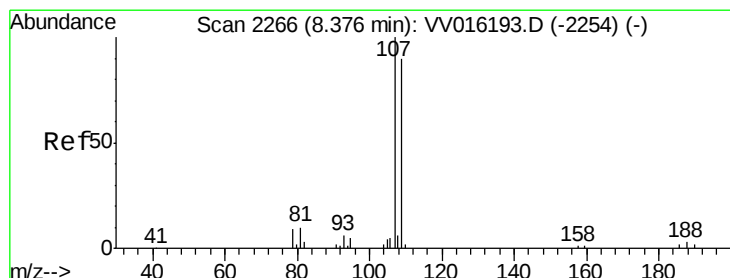
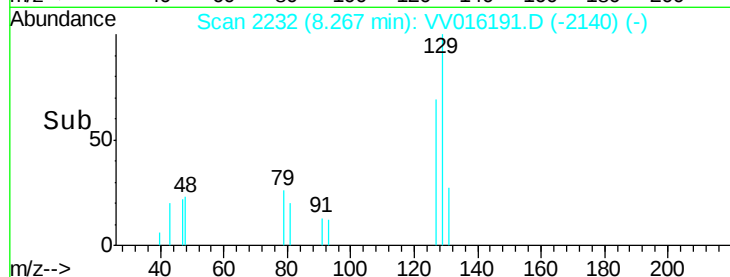
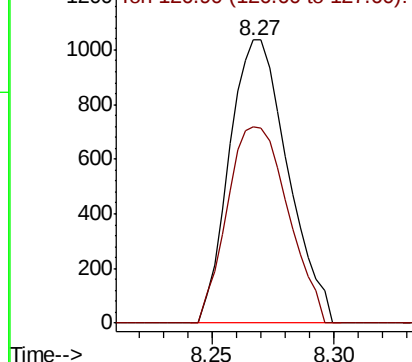
Ion Ratio Lower Upper

129 100

127 69.5 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: 0.438 ug/L

RT: 8.38 min Scan# 2266

Delta R.T. 0.00 min

Lab File: VV016191.D

Acq: 26 May 2020 14:46

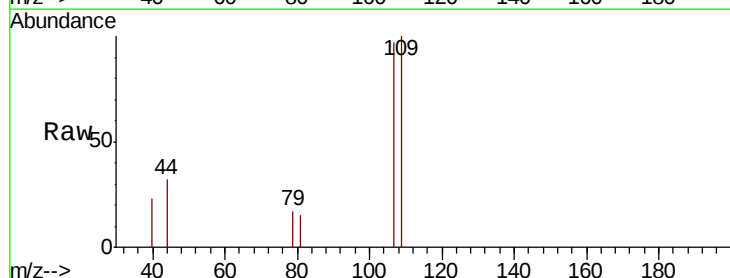
Tgt Ion:107 Resp: 1570

Ion Ratio Lower Upper

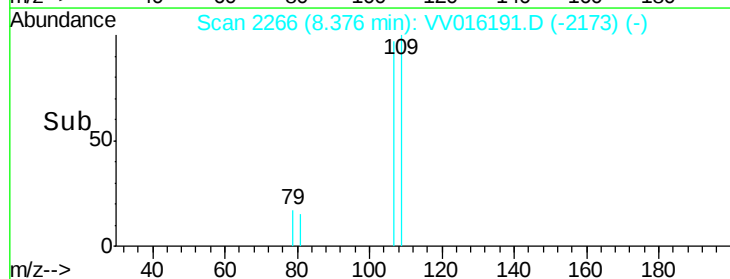
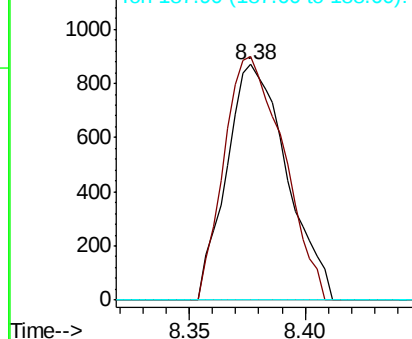
107 100

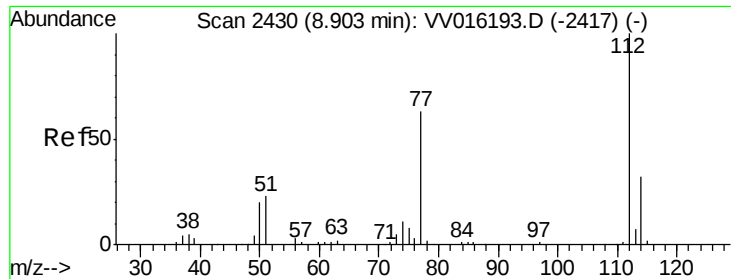
109 103.2 63.1 117.3

188 0.0 2.6 4.0#



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

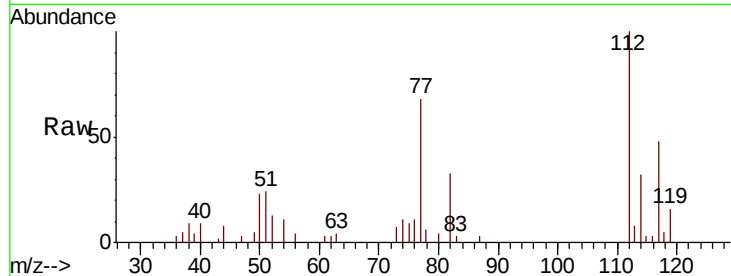




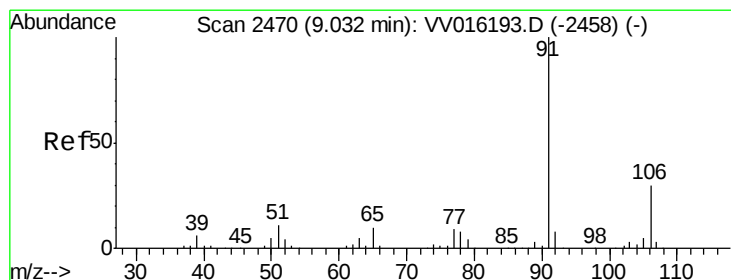
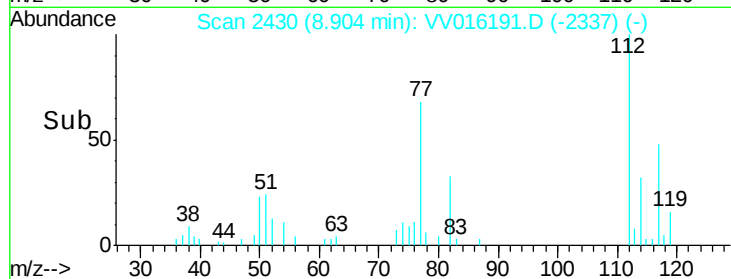
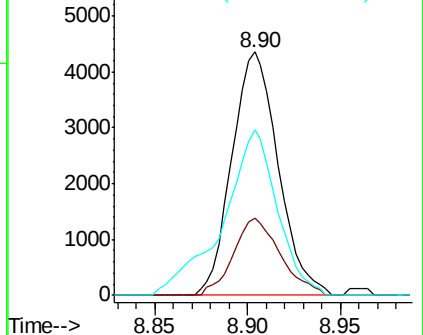
#53
Chlorobenzene
Concen: 0.483 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV016191.D
Acq: 26 May 2020 14:46

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:112 Resp: 7548
Ion Ratio Lower Upper
112 100
114 31.8 22.3 41.3
77 67.8 50.7 76.1

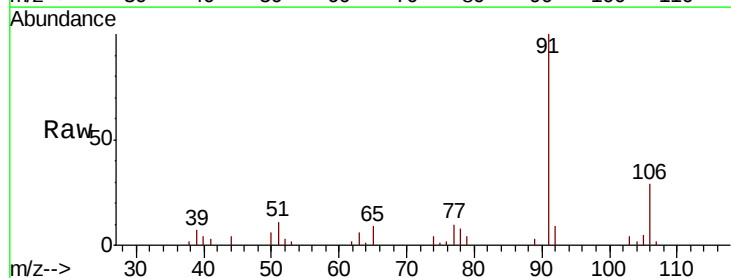


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

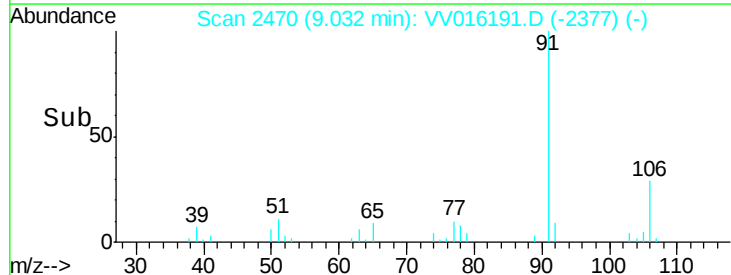
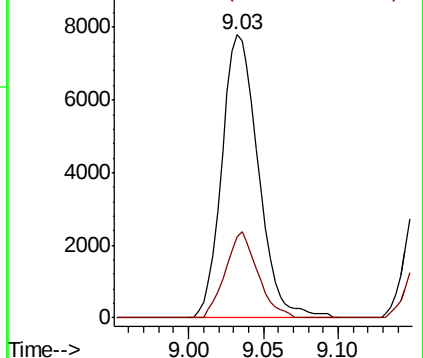


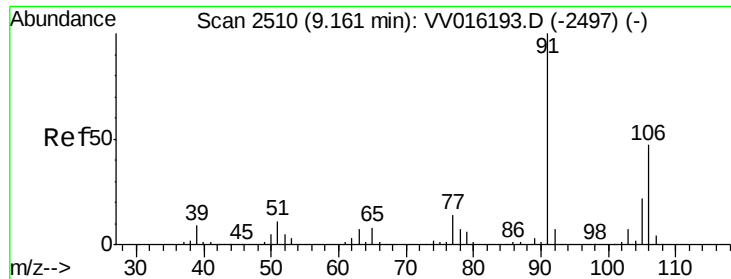
#54
Ethylbenzene
Concen: 0.475 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VV016191.D
Acq: 26 May 2020 14:46

Tgt Ion: 91 Resp: 13227
Ion Ratio Lower Upper
91 100
106 28.5 21.0 39.0



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

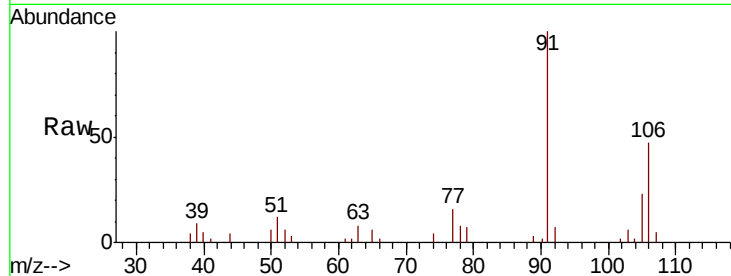




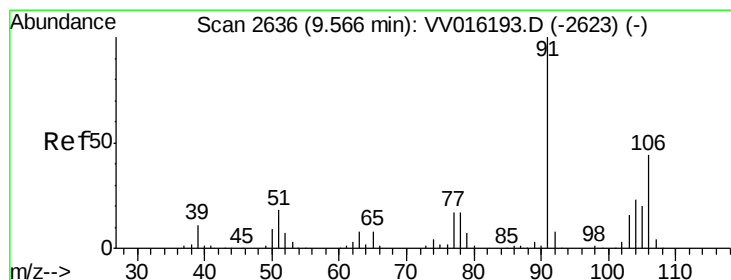
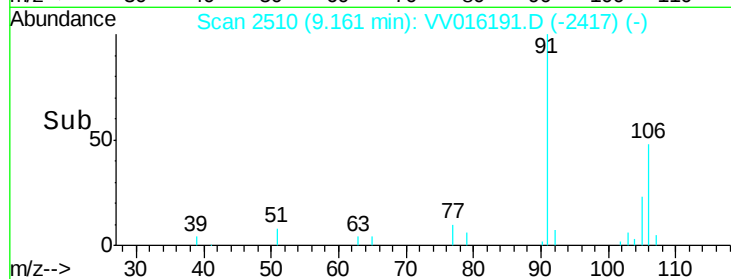
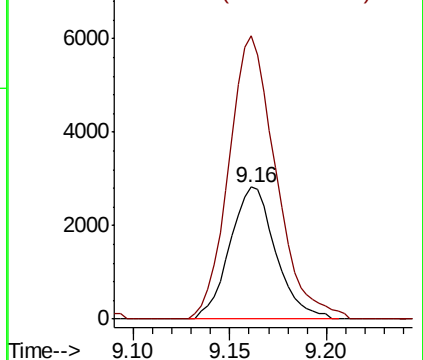
#55
m,p-xylene
Concen: 0.453 ug/L
RT: 9.16 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VV016191.D
Acq: 26 May 2020 14:46

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 4658
Ion Ratio Lower Upper
106 100
91 214.1 148.1 275.0

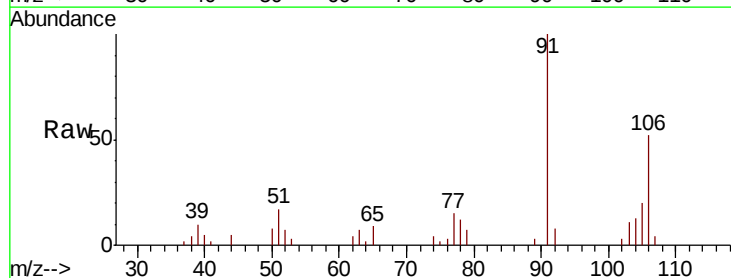


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

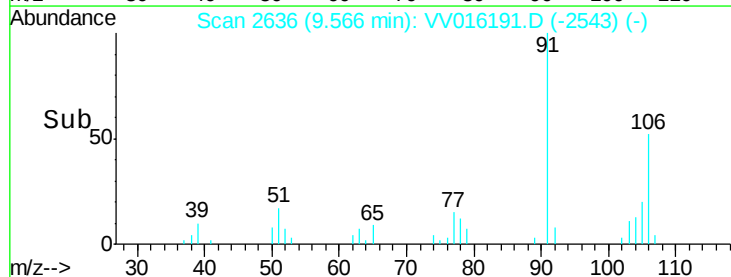
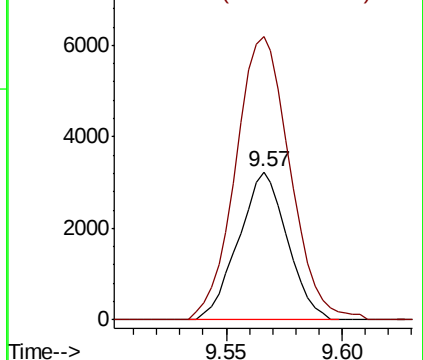


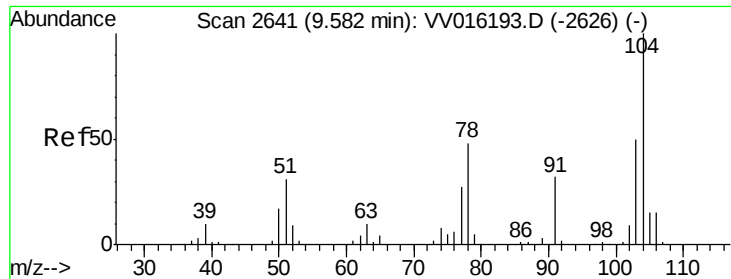
#56
o-xylene
Concen: 0.480 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV016191.D
Acq: 26 May 2020 14:46

Tgt Ion:106 Resp: 4718
Ion Ratio Lower Upper
106 100
91 191.2 158.8 294.8



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





#57

Stvrene

Concen: 0.434 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV016191.D

Acq: 26 May 2020 14:46

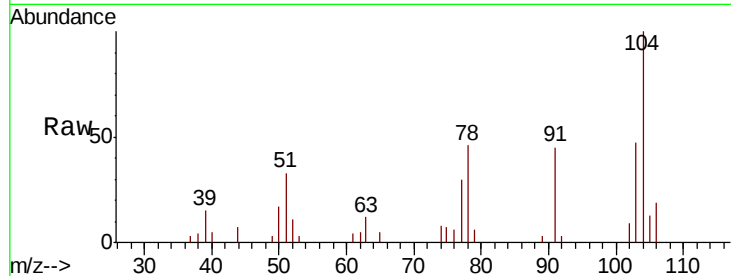
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:104 Resp: 7141

Ion Ratio Lower Upper

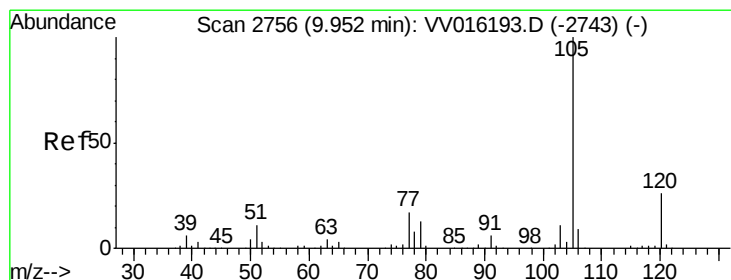
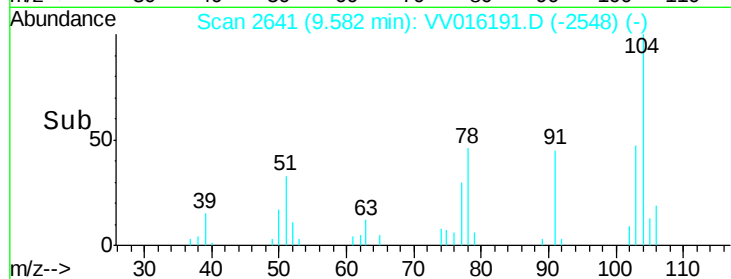
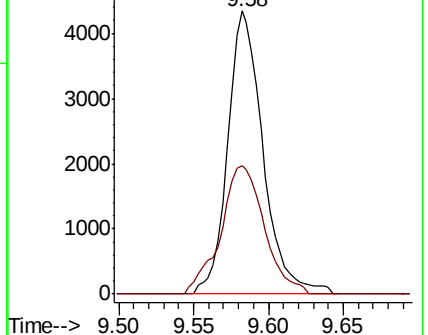
104 100

78 45.6 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: 0.467 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV016191.D

Acq: 26 May 2020 14:46

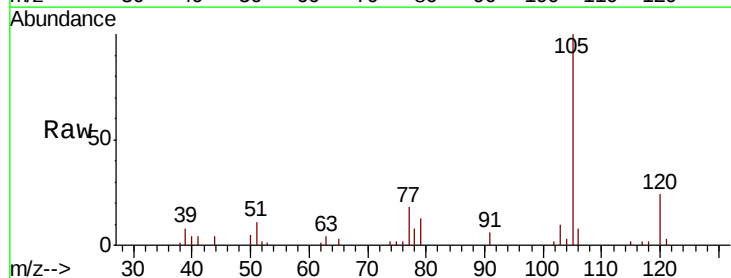
Tgt Ion:105 Resp: 12581

Ion Ratio Lower Upper

105 100

120 24.6 20.9 31.3

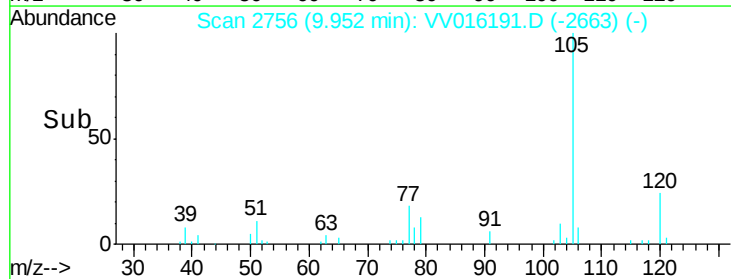
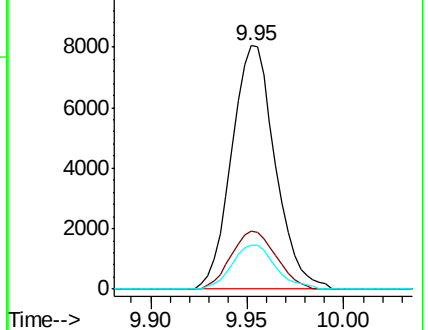
77 18.1 13.9 20.9

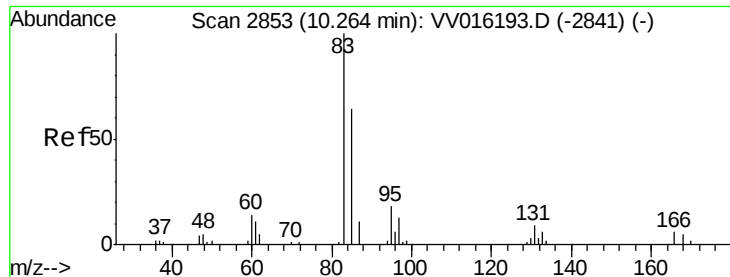


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VV0





#60

1,1,2,2-Tetrachloroethane

Concen: 0.528 ug/L

RT: 10.27 min Scan# 2854

Delta R.T. 0.00 min

Lab File: VV016191.D

Acq: 26 May 2020 14:46

Instrument :

MSVOA_V

ClientSampleId :

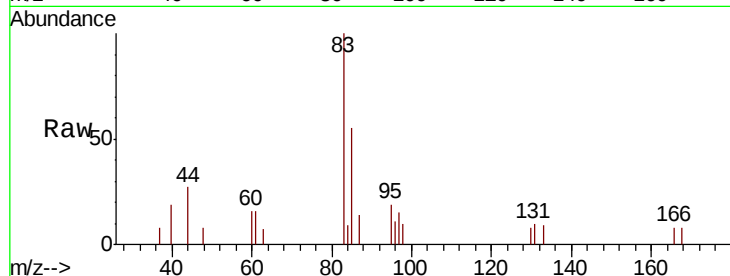
Tot Ion: 83 Resp: 2249

Ion Ratio Lower Upper

83 100

85 55.1 45.6 84.8

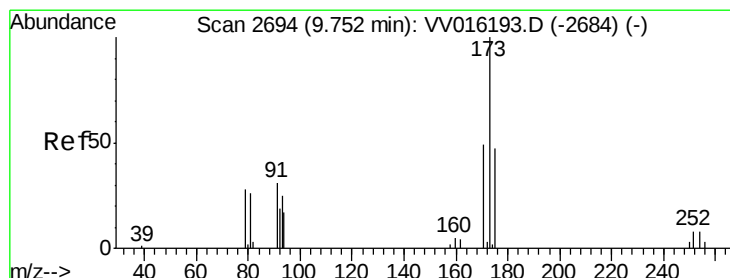
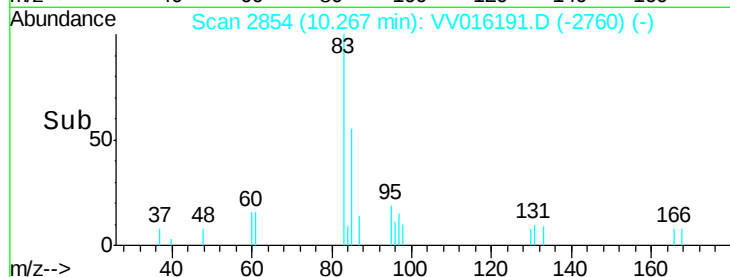
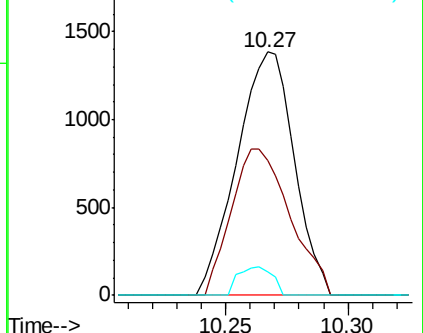
131 9.7 7.9 11.9



Abundance Ion 82.95 (82.65 to 83.65): VV016191.D (-2760) (-)

Ion 85.00 (84.70 to 85.70): VV016191.D (-2760) (-)

Ion 130.95 (130.65 to 131.65): VV016191.D (-2760) (-)



#62

Bromoform

Concen: 0.341 ug/L

RT: 9.75 min Scan# 2693

Delta R.T. -0.00 min

Lab File: VV016191.D

Acq: 26 May 2020 14:46

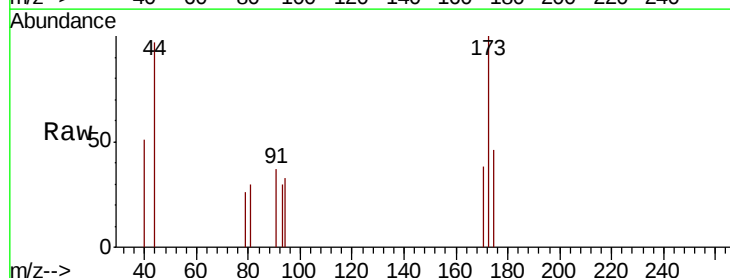
Tgt Ion: 173 Resp: 655

Ion Ratio Lower Upper

173 100

175 33.0 38.6 58.0#

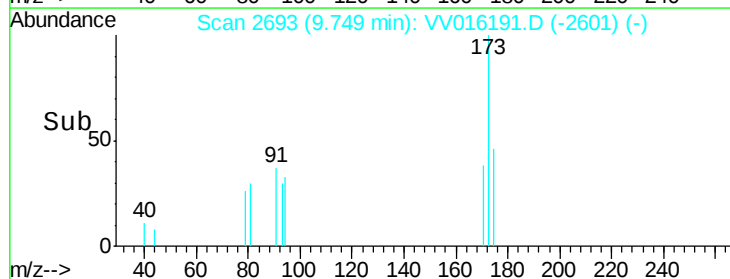
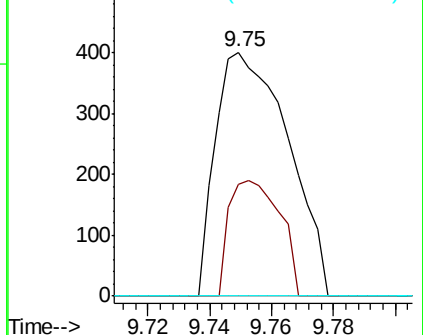
254 0.0 6.6 9.8#

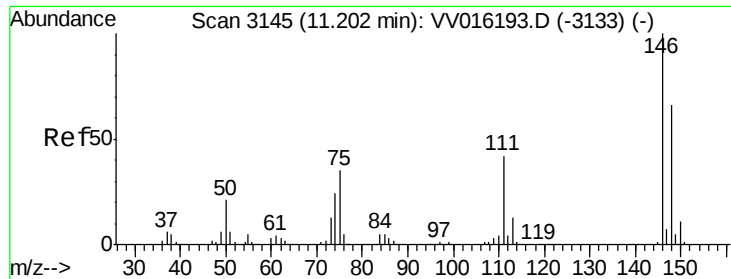


Abundance Ion 172.90 (172.60 to 173.60): VV016191.D (-2601) (-)

Ion 174.90 (174.60 to 175.60): VV016191.D (-2601) (-)

Ion 253.75 (253.45 to 254.45): VV016191.D (-2601) (-)

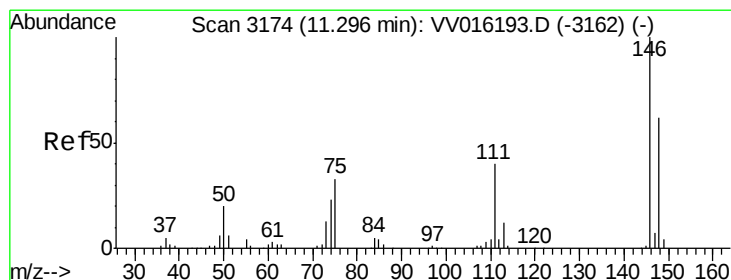
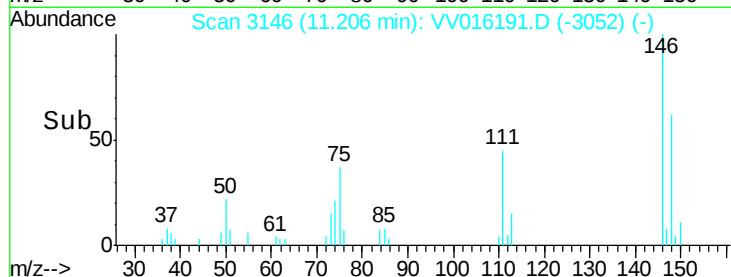
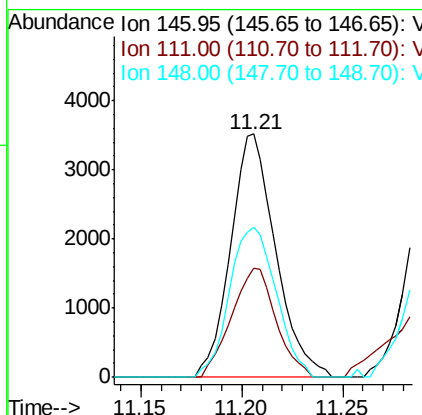
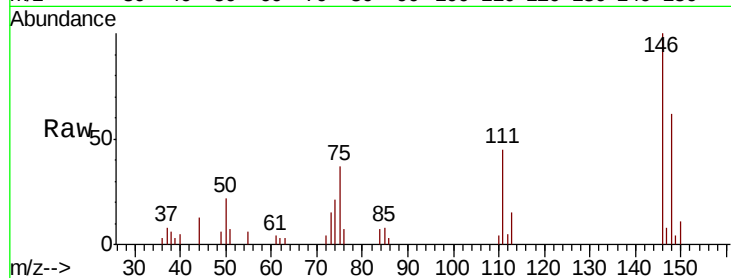




#63
 1,3-Dichlorobenzene
 Concen: 0.475 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. 0.00 min
 Lab File: VV016191.D
 Acq: 26 May 2020 14:46

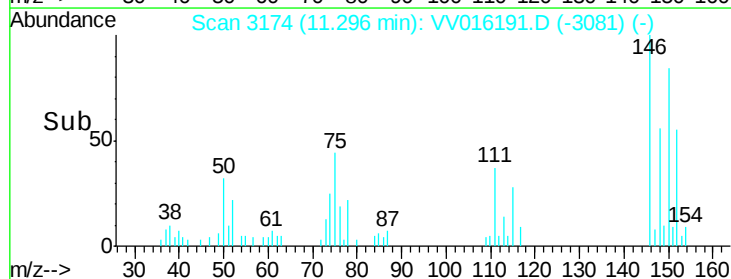
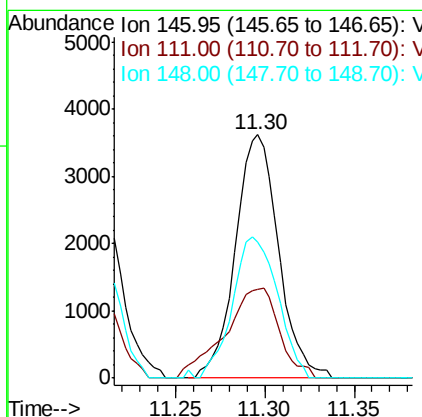
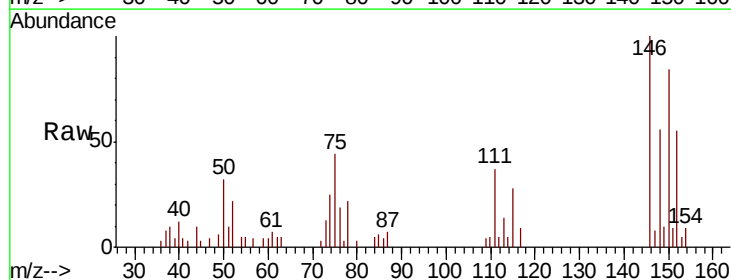
Instrument :
 MSVOA_V
 ClientSampled :

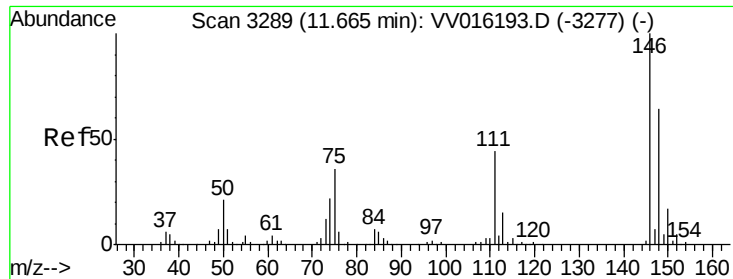
Tot Ion:146 Resp: 5498
 Ion Ratio Lower Upper
 146 100
 111 45.0 29.7 55.1
 148 61.6 45.9 85.3



#64
 1,4-Dichlorobenzene
 Concen: 0.523 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV016191.D
 Acq: 26 May 2020 14:46

Tgt Ion:146 Resp: 6108
 Ion Ratio Lower Upper
 146 100
 111 36.5 28.3 52.7
 148 55.8 43.3 80.3





#66

1,2-Dichlorobenzene

Concen: 0.490 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV016191.D

Acq: 26 May 2020 14:46

Instrument :

MSVOA_V

ClientSampleId :

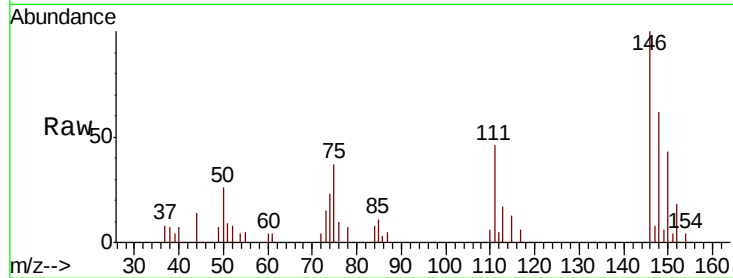
Tot Ion:146 Resp: 5138

Ion Ratio Lower Upper

146 100

111 45.6 35.7 53.5

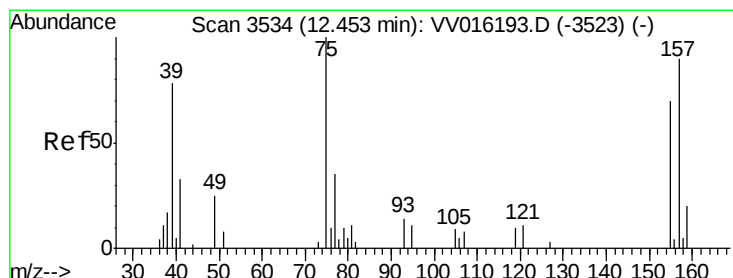
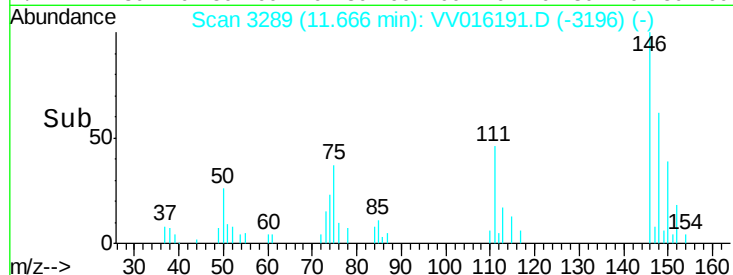
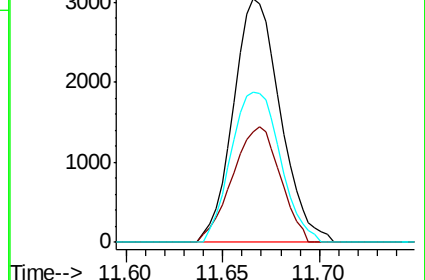
148 61.7 51.3 76.9



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: 0.407 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV016191.D

Acq: 26 May 2020 14:46

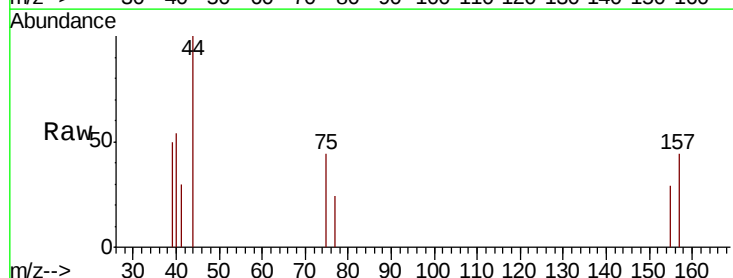
Tgt Ion: 75 Resp: 283

Ion Ratio Lower Upper

75 100

155 65.5 56.2 84.4

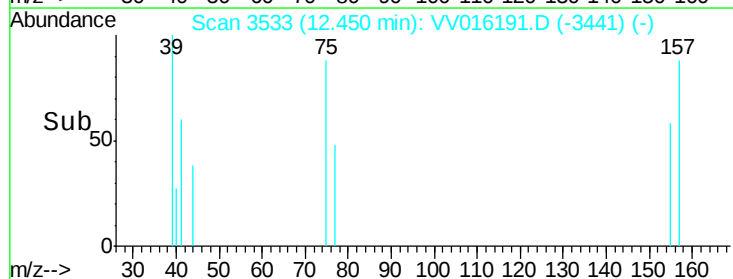
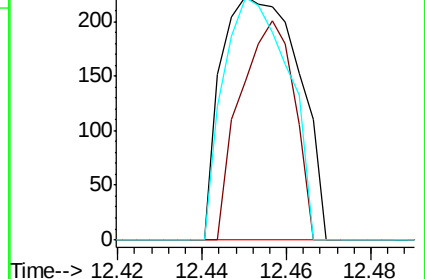
157 99.6 71.9 107.9

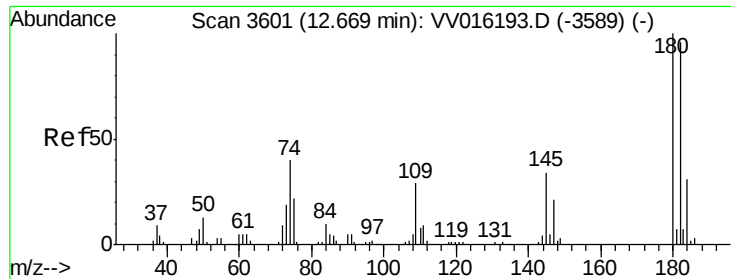


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

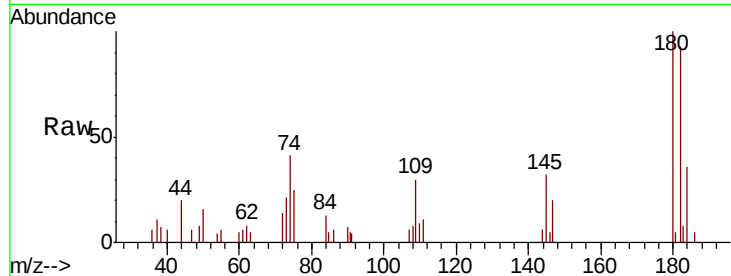




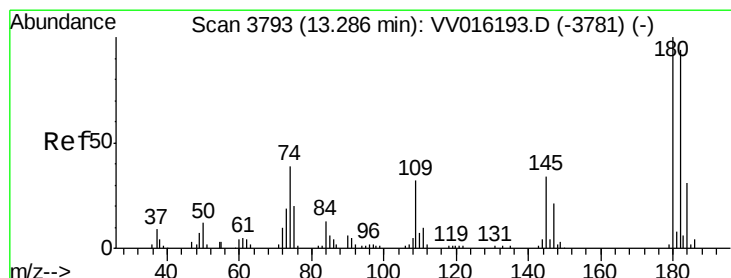
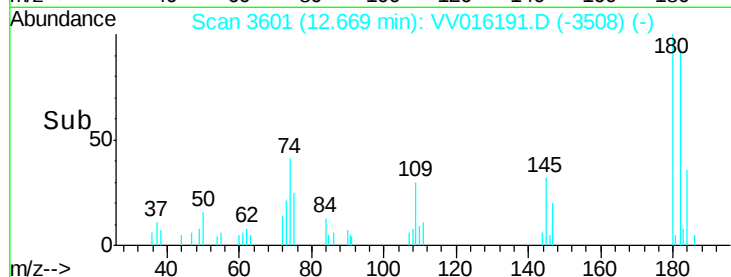
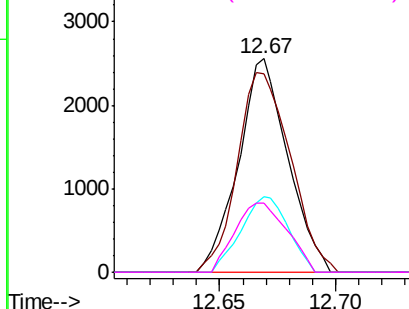
#68
 1,3,5-Trichlorobenzene
 Concen: 0.450 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV016191.D
 Acq: 26 May 2020 14:46

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 3794
 Ion Ratio Lower Upper
 180 100
 182 100.6 77.1 115.7
 184 33.8 25.0 37.4
 145 34.1 26.3 39.5

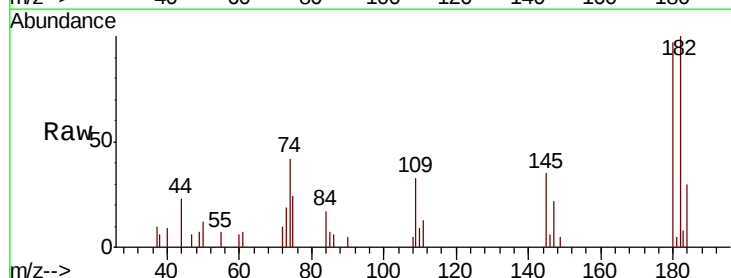


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

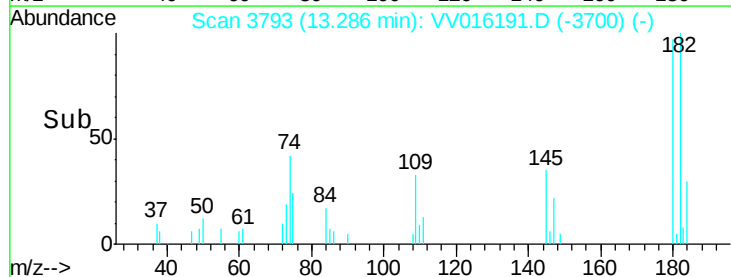
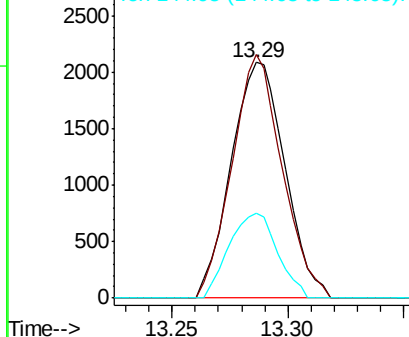


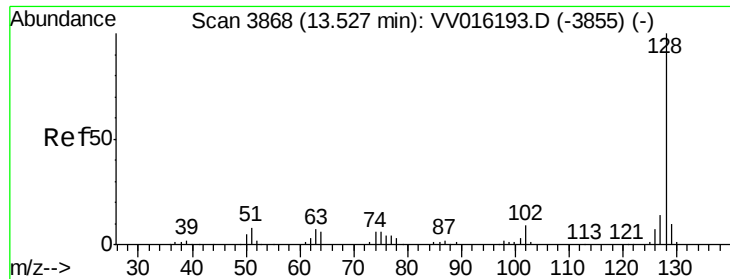
#69
 1,2,4-trichlorobenzene
 Concen: 0.461 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV016191.D
 Acq: 26 May 2020 14:46

Tgt Ion:180 Resp: 3352
 Ion Ratio Lower Upper
 180 100
 182 96.4 75.0 112.4
 145 32.5 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: 0.784 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV016191.D

Acq: 26 May 2020 14:46

Instrument :

MSVOA_V

ClientSampleId :

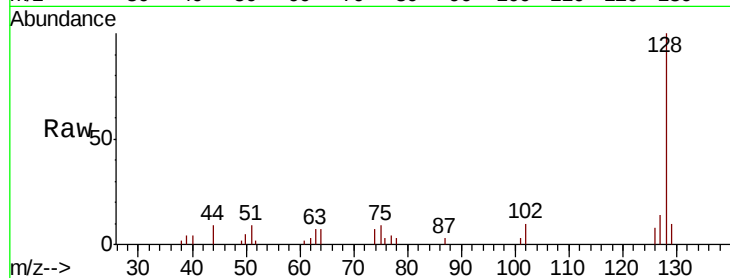
Tot Ion:128 Resp: 9537

Ion Ratio Lower Upper

128 100

129 11.6 8.6 13.0

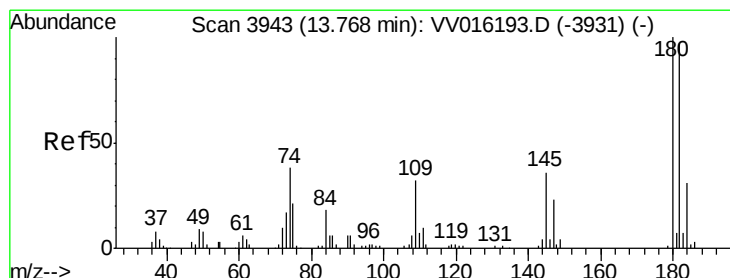
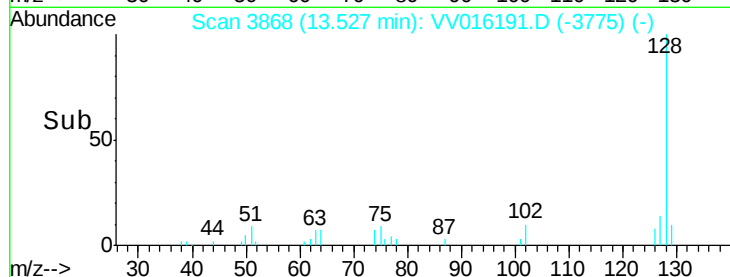
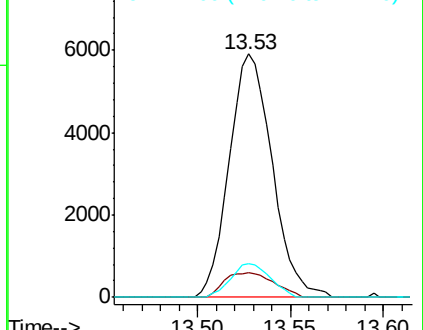
127 12.7 10.6 15.8



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: 0.484 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV016191.D

Acq: 26 May 2020 14:46

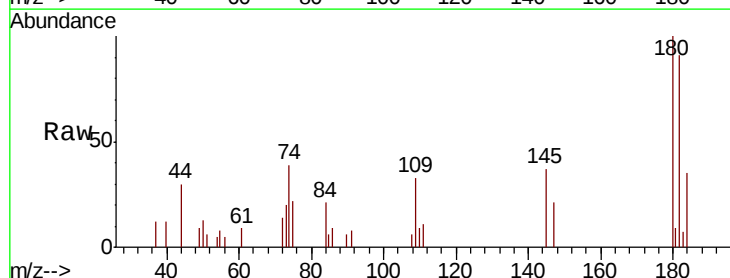
Tgt Ion:180 Resp: 3103

Ion Ratio Lower Upper

180 100

182 90.5 77.1 115.7

145 33.6 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

