

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051520\
 Data File : VV016082.D
 Acq On : 15 May 2020 10:40
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 16 01:36:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 15 11:09:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	161132	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	155962	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	79204	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	43487	4.97	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.40%
7) Chloroethane-d5	1.58	69	41825	5.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.00%
11) 1,1-Dichloroethene-d2	2.12	63	89586	4.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.40%
20) 2-Butanone-d5	3.95	46	136111	54.59	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.18%
24) Chloroform-d	4.38	84	90217	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
26) 1,2-Dichloroethane-d4	5.06	65	55194	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.80%
32) Benzene-d6	5.07	84	186871	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.80%
36) 1,2-Dichloropropane-d6	6.09	67	58384	5.16	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.20%
41) Toluene-d8	7.34	98	175691	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.20%
45) trans-1,3-Dichloropropene-	7.64	79	21895	4.93	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.60%
48) 2-Hexanone-d5	8.12	63	111370	57.02	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.04%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	44746	5.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	112.40%
65) 1,2-Dichlorobenzene-d4	11.65	152	62693	4.88	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	56534	4.579	ug/L	99
3) Chloromethane	1.25	50	58249	4.660	ug/L	99
5) Vinyl chloride	1.32	62	55502	4.643	ug/L	99
6) Bromomethane	1.53	94	31543	4.650	ug/L	100
8) Chloroethane	1.60	64	35136	4.126	ug/L	97
9) Trichlorofluoromethane	1.76	101	77790	4.745	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	44729	4.830	ug/L	98
12) 1,1-Dichloroethene	2.13	96	41378	4.666	ug/L	86
13) Acetone	2.25	43	75949	46.173	ug/L	69
14) Carbon disulfide	2.31	76	130912	4.472	ug/L	99
15) Methyl Acetate	2.47	43	22575	5.939	ug/L #	86
16) Methylene chloride	2.52	84	51369	4.841	ug/L	99
17) Methyl tert-butyl Ether	2.79	73	107702	4.674	ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	47172	4.814	ug/L	98
19) 1,1-Dichloroethane	3.21	63	92786	4.916	ug/L	99
21) 2-Butanone	4.04	43	123265	49.207	ug/L	95
22) cis-1,2-Dichloroethene	3.94	96	49455	4.821	ug/L	95

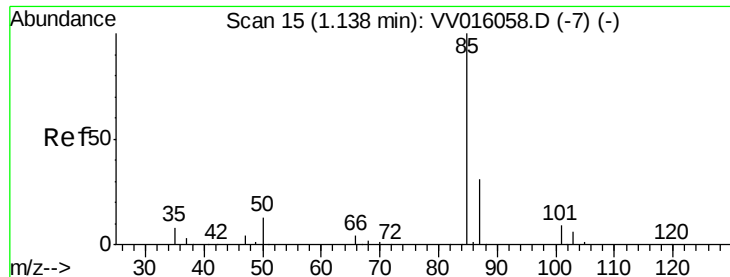
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051520\
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 15 11:09:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	21130	4.826	ug/L	96
25) Chloroform	4.40	83	104769	5.040	ug/L	100
27) 1,2-Dichloroethane	5.16	62	60825	4.762	ug/L	98
29) 1,1,1-Trichloroethane	4.63	97	83686	4.866	ug/L	100
30) Cyclohexane	4.70	56	81397	4.723	ug/L	98
31) Carbon tetrachloride	4.85	117	71695	4.830	ug/L	98
33) Benzene	5.12	78	196356	5.004	ug/L	100
34) Trichloroethene	5.94	95	49826	4.449	ug/L	94
35) Methylcyclohexane	6.15	83	82597	4.875	ug/L	99
37) 1,2-Dichloropropane	6.20	63	50810	5.097	ug/L	99
38) Bromodichloromethane	6.53	83	61706	4.874	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	68821	4.884	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	311389	50.114	ug/L	100
42) Toluene	7.41	91	212847	5.117	ug/L	97
43) 1,3,5-Trimethylbenzene	10.56	105	191149	5.006	ug/L #	100
44) 1,2,4-Trimethylbenzene	10.94	105	193123	5.062	ug/L #	100
46) trans-1,3-Dichloropropene	7.68	75	58057	4.878	ug/L	93
47) 1,1,2-Trichloroethane	7.86	97	31966	4.802	ug/L	97
49) Tetrachloroethene	8.00	164	39476	5.051	ug/L	98
50) 2-Hexanone	8.16	43	228758	52.060	ug/L	99
51) Dibromochloromethane	8.27	129	36890	4.931	ug/L	99
52) 1,2-Dibromoethane	8.38	107	30412	4.926	ug/L	95
53) Chlorobenzene	8.90	112	133291	4.983	ug/L	97
54) Ethylbenzene	9.03	91	235899	4.988	ug/L	99
55) m,p-xylene	9.16	106	89861	5.131	ug/L	97
56) o-xylene	9.57	106	86164	5.146	ug/L	94
57) Styrene	9.58	104	147394	5.263	ug/L	96
58) Isopropylbenzene	9.95	105	230160	5.004	ug/L	99
60) 1,1,2,2-Tetrachloroethane	10.26	83	38685	5.438	ug/L	98
62) Bromoform	9.75	173	17532	4.818	ug/L	99
63) 1,3-Dichlorobenzene	11.20	146	105487	4.943	ug/L	99
64) 1,4-Dichlorobenzene	11.30	146	107506	5.015	ug/L	100
66) 1,2-Dichlorobenzene	11.67	146	97300	5.038	ug/L	97
67) 1,2-Dibromo-3-chloropropan	12.45	75	6593	5.230	ug/L	94
68) 1,3,5-Trichlorobenzene	12.67	180	75579	4.844	ug/L	98
69) 1,2,4-trichlorobenzene	13.29	180	61944	4.621	ug/L	99
70) Naphthalene	13.53	128	104607	4.906	ug/L	100
71) 1,2,3-Trichlorobenzene	13.77	180	57341	4.849	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.579 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV016082.D

Acq: 15 May 2020 10:40

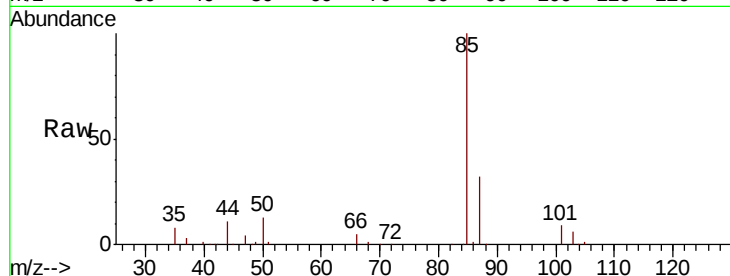
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 56534

Ion Ratio Lower Upper

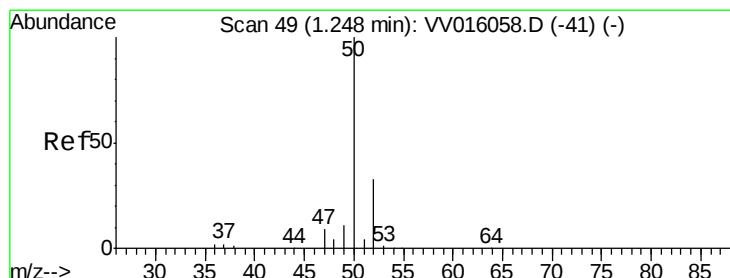
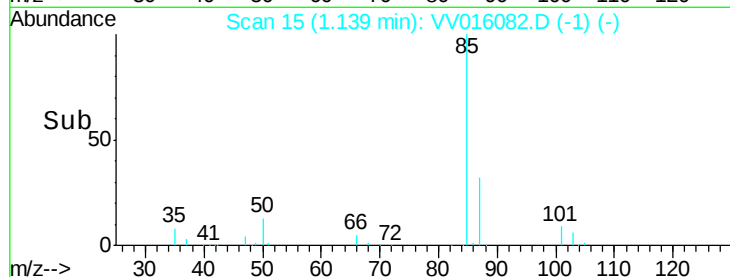
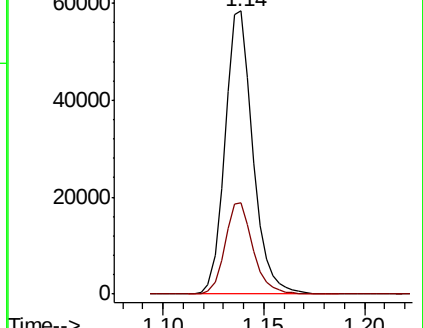
85 100

87 32.4 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VV016082.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV016082.D (-1) (-)



#3

Chloromethane

Concen: 4.660 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV016082.D

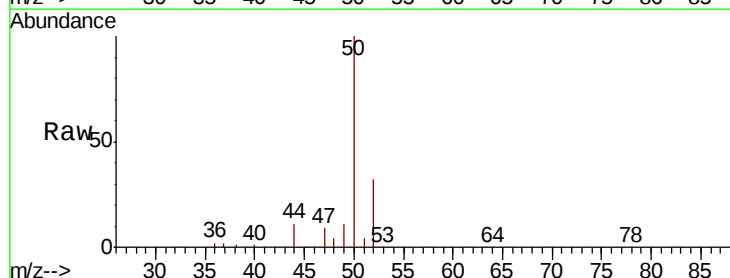
Acq: 15 May 2020 10:40

Tgt Ion: 50 Resp: 58249

Ion Ratio Lower Upper

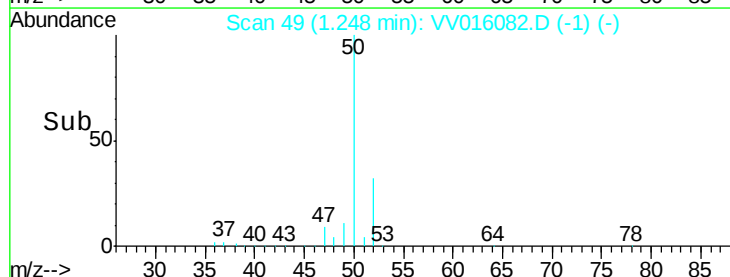
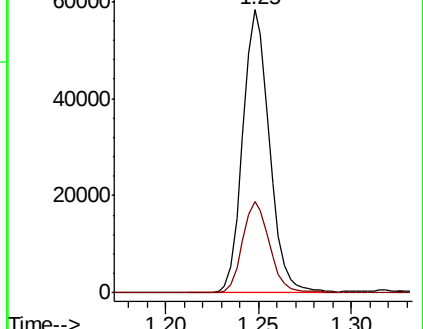
50 100

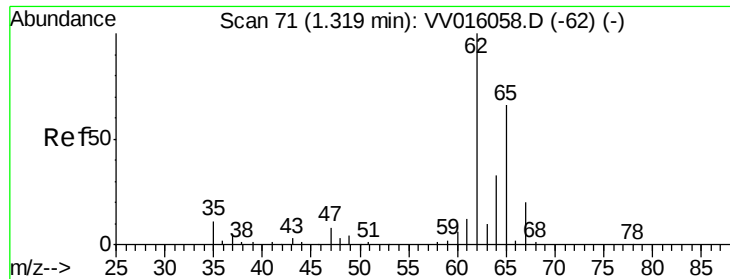
52 32.3 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VV016082.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VV016082.D (-1) (-)





#5

Vinyl chloride

Concen: 4.643 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV016082.D

Acq: 15 May 2020 10:40

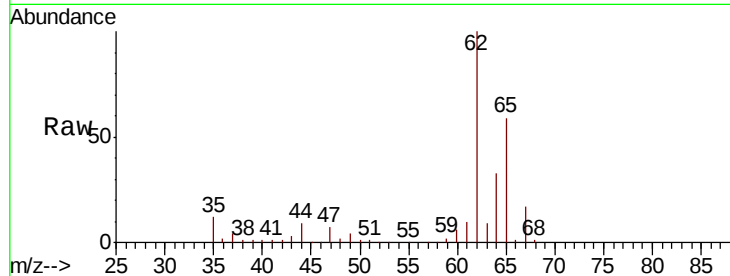
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 55502

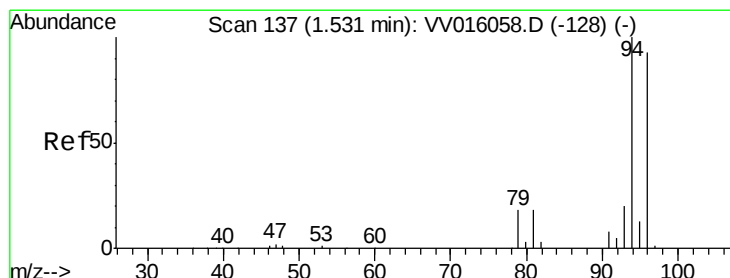
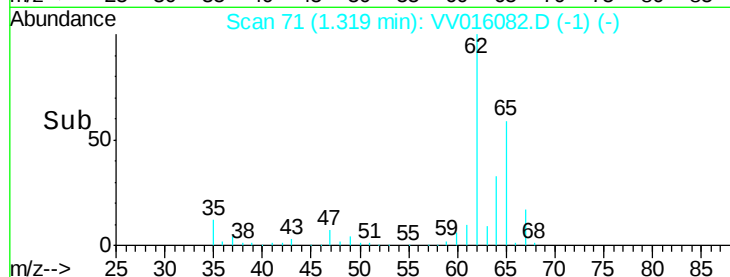
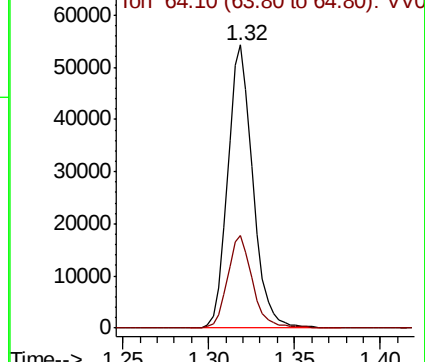
Ion Ratio Lower Upper

62 100

64 32.6 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VV016082.D (-62) (-)



#6

Bromomethane

Concen: 4.650 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV016082.D

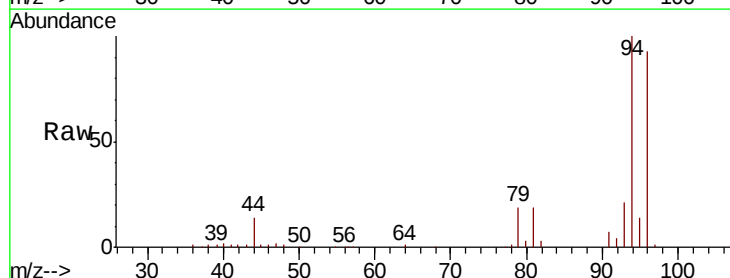
Acq: 15 May 2020 10:40

Tgt Ion: 94 Resp: 31543

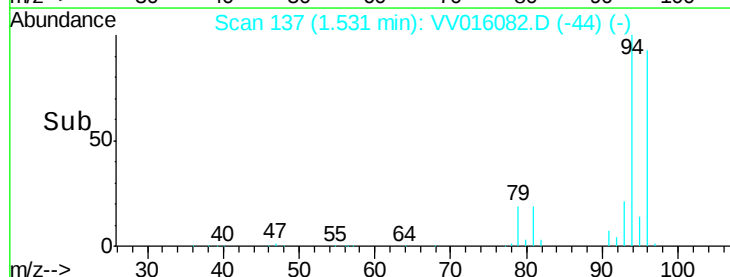
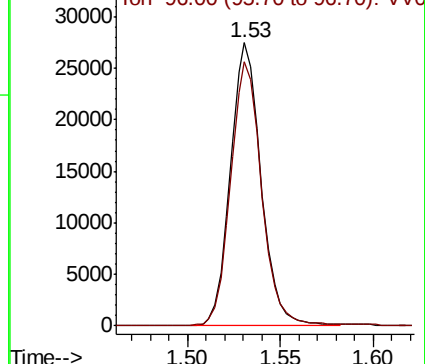
Ion Ratio Lower Upper

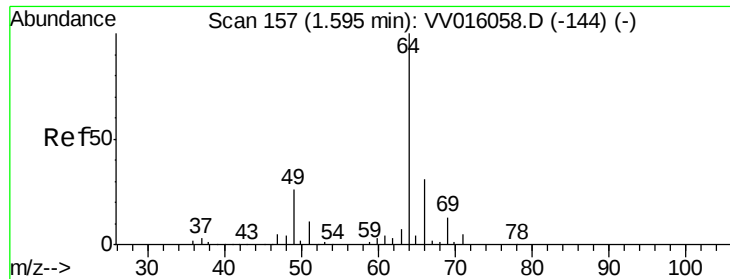
94 100

96 93.2 65.4 121.4



Abundance Ion 94.00 (93.70 to 94.70): VV016082.D (-128) (-)





#8

Chloroethane

Concen: 4.126 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV016082.D

Acq: 15 May 2020 10:40

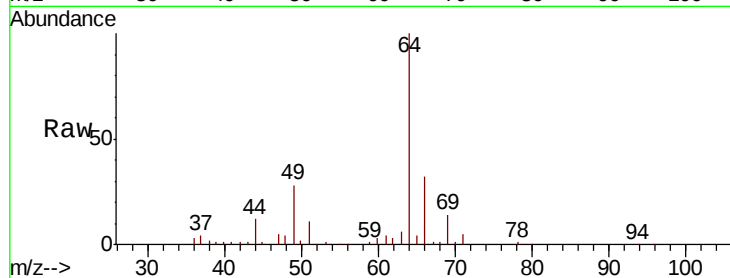
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 35136

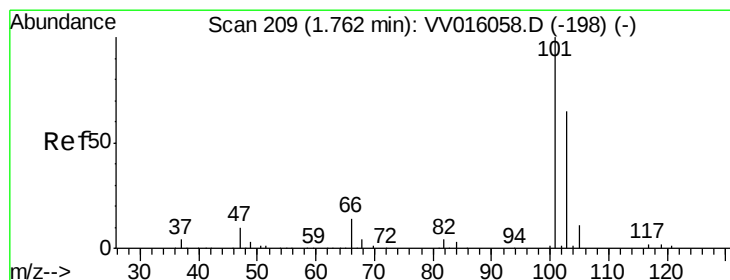
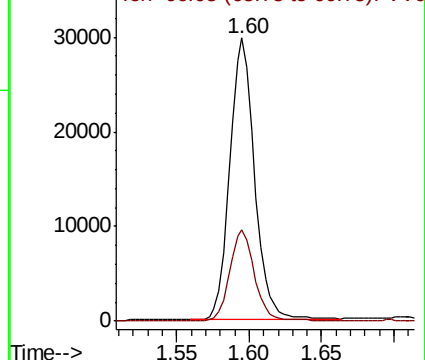
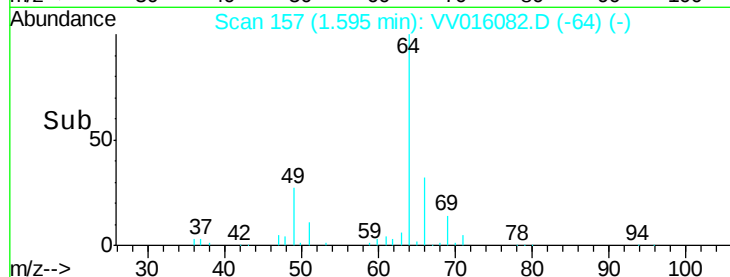
Ion Ratio Lower Upper

64 100

66 32.3 23.6 43.8



Abundance Ion 64.10 (63.80 to 64.80): VV016082.D (-64) (-)



#9

Trichlorofluoromethane

Concen: 4.745 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV016082.D

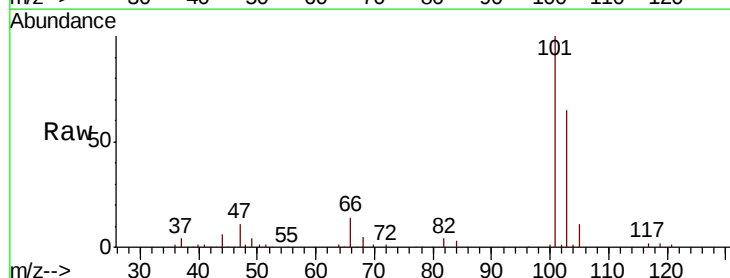
Acq: 15 May 2020 10:40

Tgt Ion:101 Resp: 77790

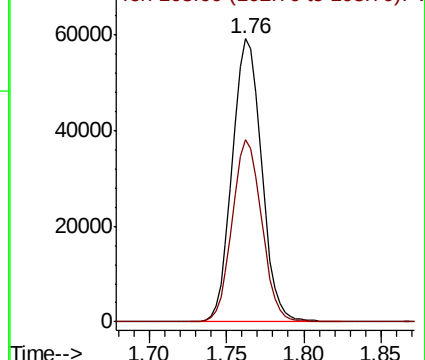
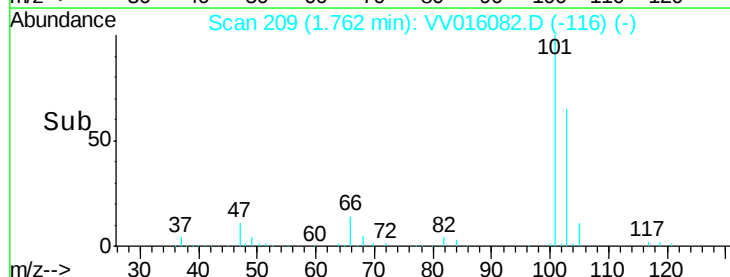
Ion Ratio Lower Upper

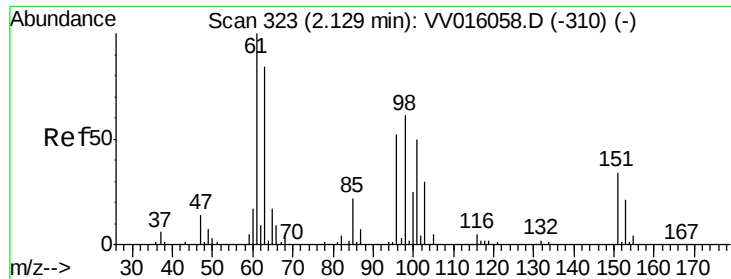
101 100

103 64.7 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): VV016082.D (-116) (-)





#10

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

Concen: 4.830 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV016082.D

Acq: 15 May 2020 10:40

Instrument :

MSVOA_V

ClientSampled :

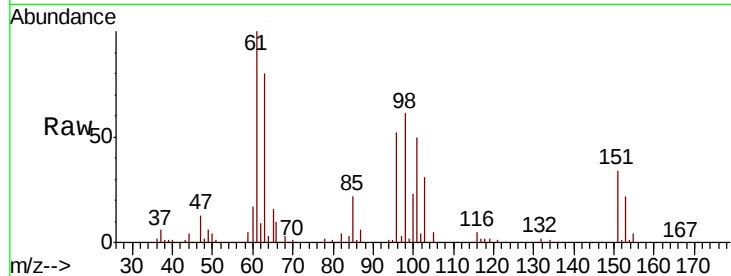
Tot Ion:101 Resp: 44729

Ion Ratio Lower Upper

101 100

85 45.6 35.7 53.5

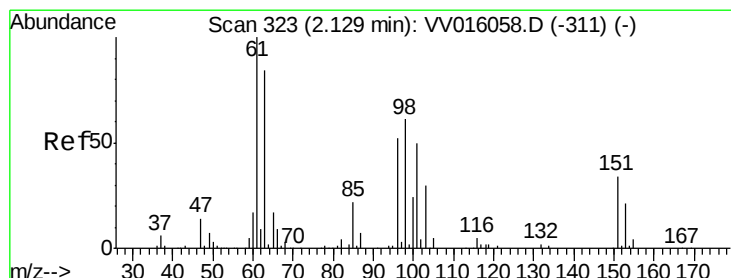
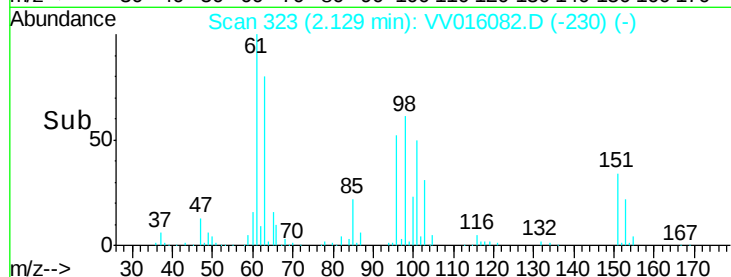
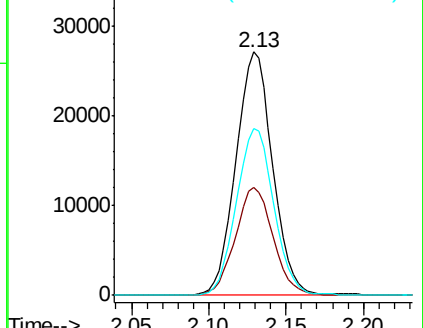
151 70.0 58.0 87.0



Abundance Ion 101.00 (100.70 to 101.70): VV016058.D (-310) (-)

Ion 85.00 (84.70 to 85.70): VV016058.D (-310) (-)

Ion 151.00 (150.70 to 151.70): VV016058.D (-310) (-)



#12

1,1-Dichloroethene

Concen: 4.666 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV016082.D

Acq: 15 May 2020 10:40

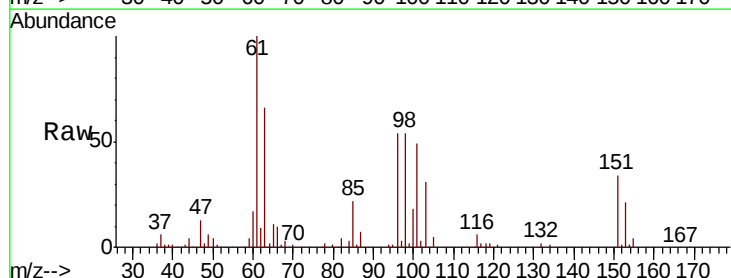
Tgt Ion: 96 Resp: 41378

Ion Ratio Lower Upper

96 100

61 186.8 139.9 259.7

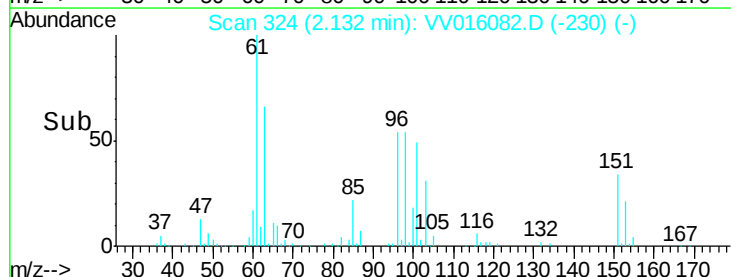
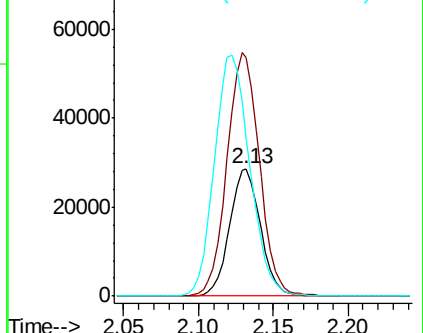
63 123.8 106.4 197.6

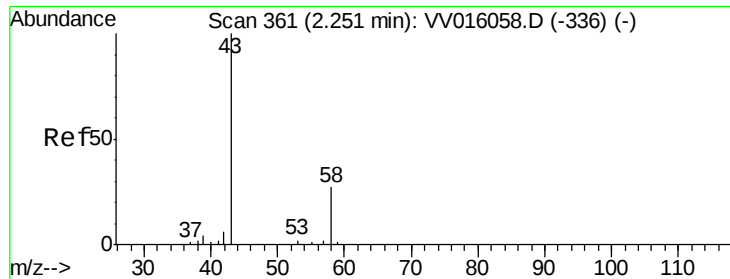


Abundance Ion 96.00 (95.70 to 96.70): VV016082.D (-230) (-)

Ion 61.05 (60.75 to 61.75): VV016082.D (-230) (-)

Ion 63.00 (62.70 to 63.70): VV016082.D (-230) (-)





#13

Acetone

Concen: 46.173 ug/L

RT: 2.25 min Scan# 362

Delta R.T. 0.00 min

Lab File: VV016082.D

Acq: 15 May 2020 10:40

Instrument :

MSVOA_V

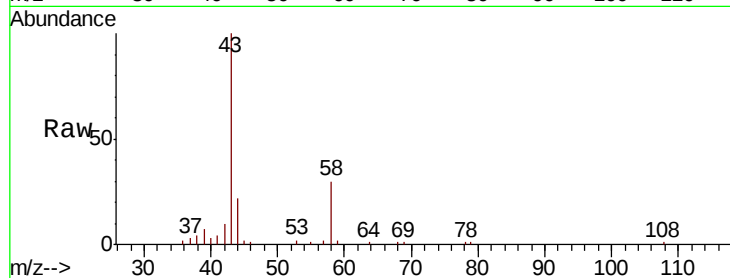
ClientSampleId :

Tot Ion: 43 Resp: 75949

Ion Ratio Lower Upper

43 100

58 28.5 0.0 30.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.25

12000

10000

8000

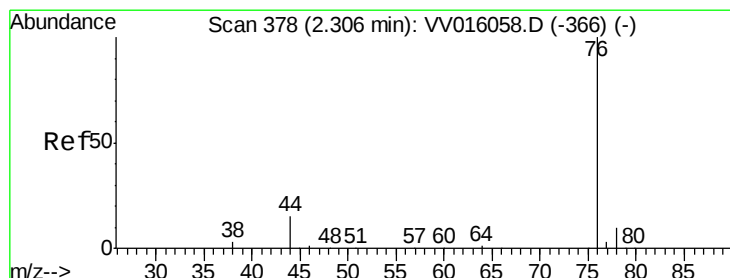
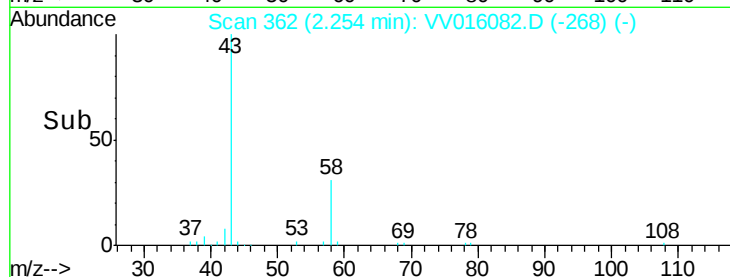
6000

4000

2000

0

Time-->



#14

Carbon disulfide

Concen: 4.472 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VV016082.D

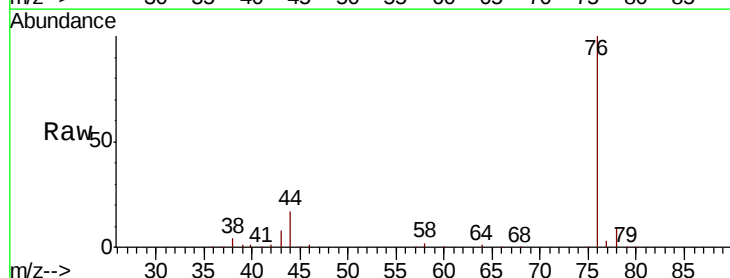
Acq: 15 May 2020 10:40

Tgt Ion: 76 Resp: 130912

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.6



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.31

100000

80000

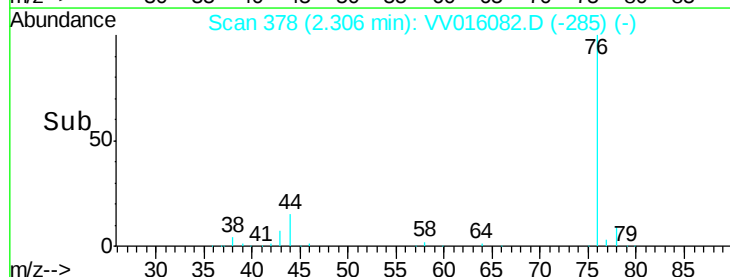
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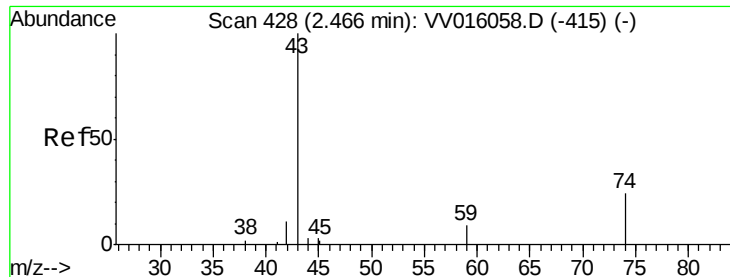
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20000

0

Time-->

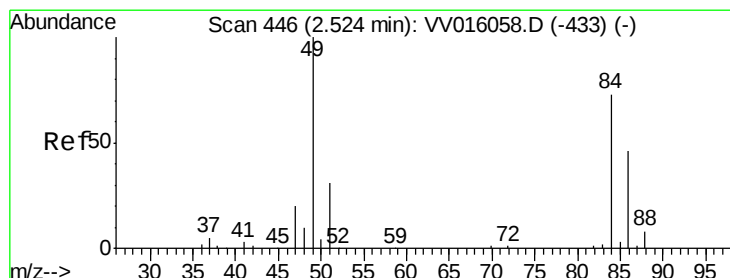
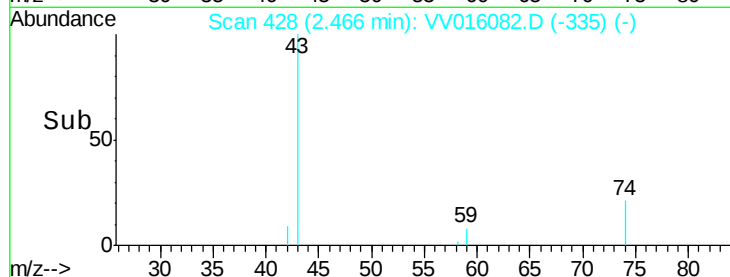
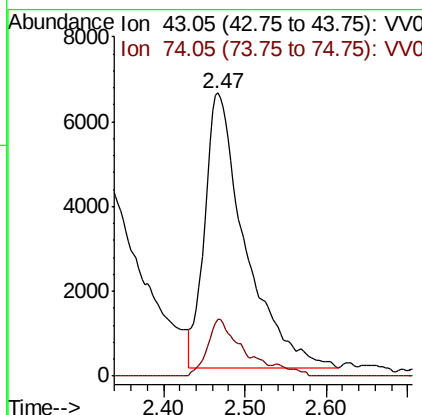
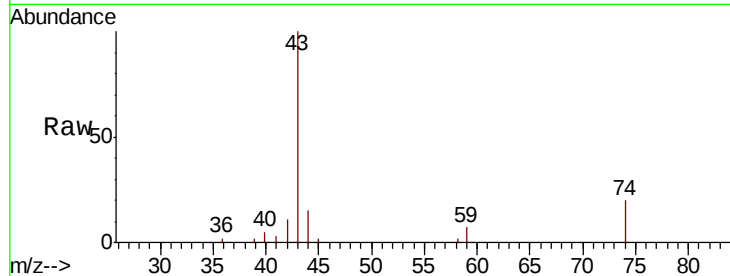




#15
Methvl Acetate
Concen: 5.939 ug/L
RT: 2.47 min Scan# 428
Delta R.T. 0.00 min
Lab File: VV016082.D
Acq: 15 May 2020 10:40

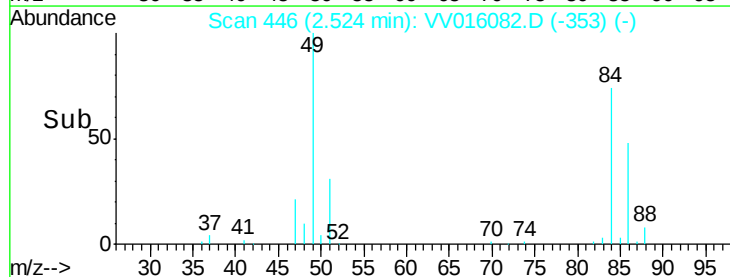
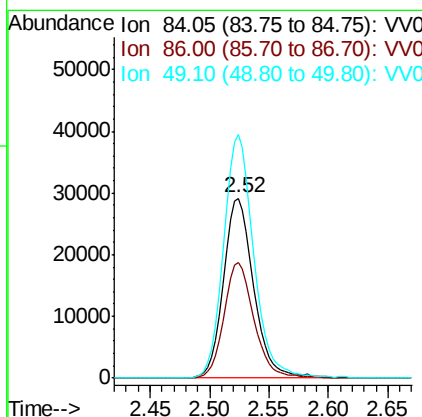
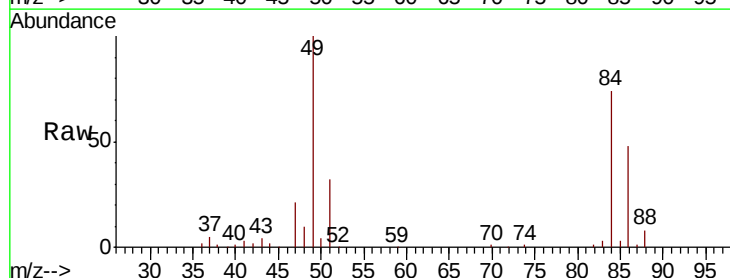
Instrument :
MSVOA_V
ClientSampleId :

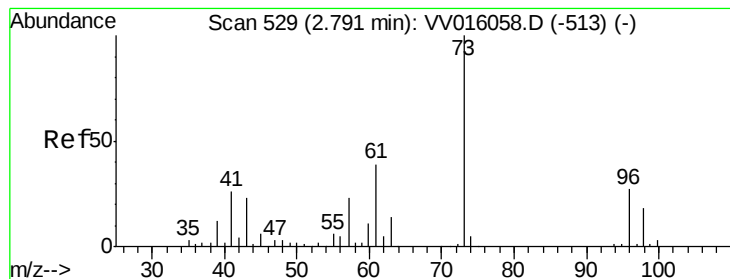
Tot Ion: 43 Resp: 22575
Ion Ratio Lower Upper
43 100
74 17.3 19.2 28.8#



#16
Methylene chloride
Concen: 4.841 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV016082.D
Acq: 15 May 2020 10:40

Tgt Ion: 84 Resp: 51369
Ion Ratio Lower Upper
84 100
86 64.4 45.6 84.8
49 135.3 93.6 173.8



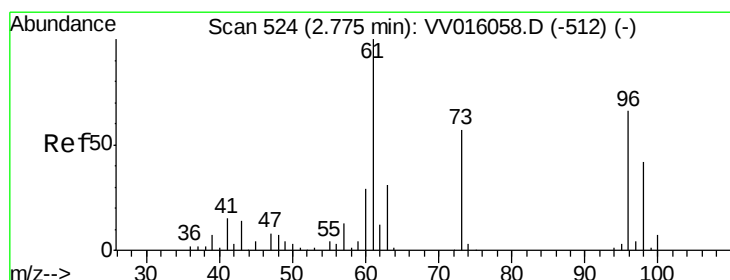
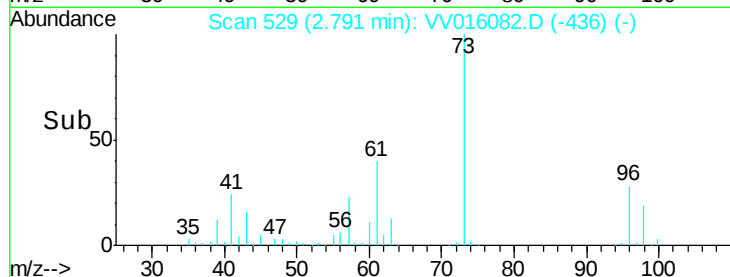
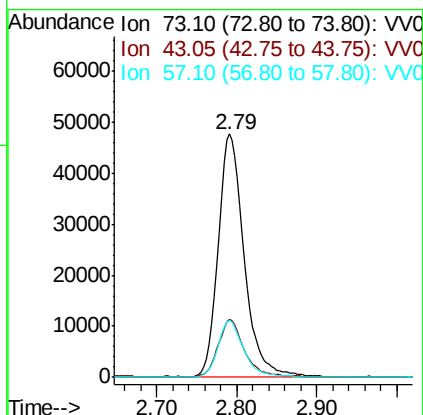
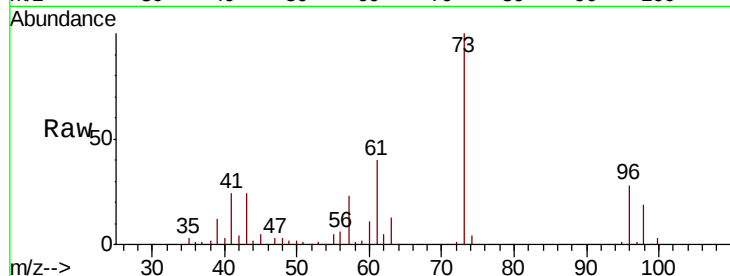


#17

Methvl tert-butvl Ether
 Concen: 4.674 ug/L
 RT: 2.79 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VV016082.D
 Acq: 15 May 2020 10:40

Instrument :
 MSVOA_V
 ClientSampleId :

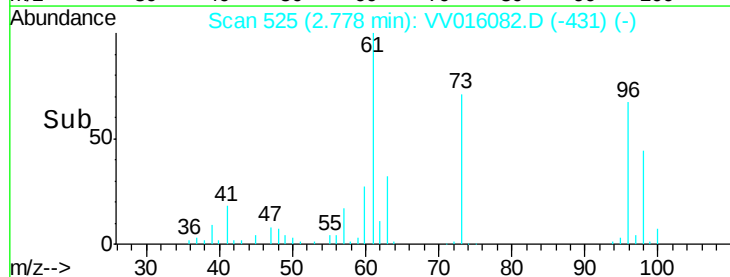
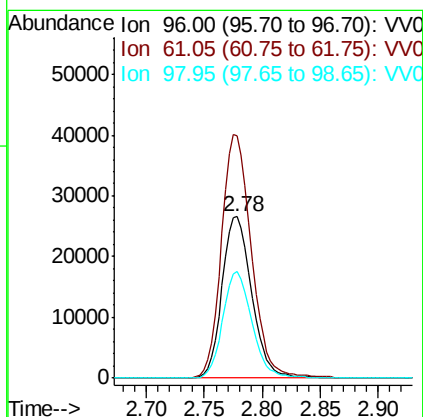
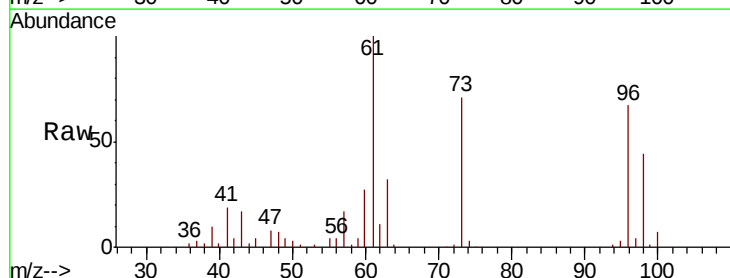
Tot Ion: 73 Resp: 107702
 Ion Ratio Lower Upper
 73 100
 43 23.1 18.8 28.2
 57 23.3 17.8 26.6

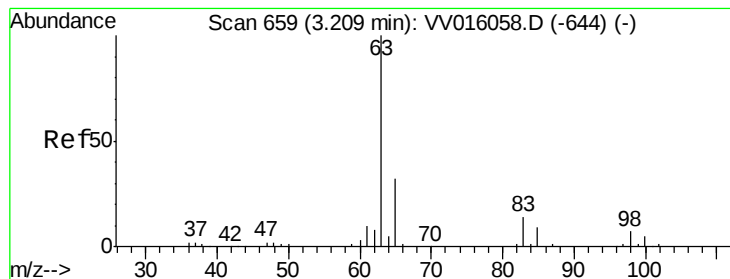


#18

trans-1,2-Dichloroethene
 Concen: 4.814 ug/L
 RT: 2.78 min Scan# 525
 Delta R.T. 0.00 min
 Lab File: VV016082.D
 Acq: 15 May 2020 10:40

Tgt Ion: 96 Resp: 47172
 Ion Ratio Lower Upper
 96 100
 61 149.9 105.3 195.5
 98 66.0 44.0 81.6





#19

1,1-Dichloroethane

Concen: 4.916 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV016082.D

Acq: 15 May 2020 10:40

Instrument :

MSVOA_V

ClientSampled :

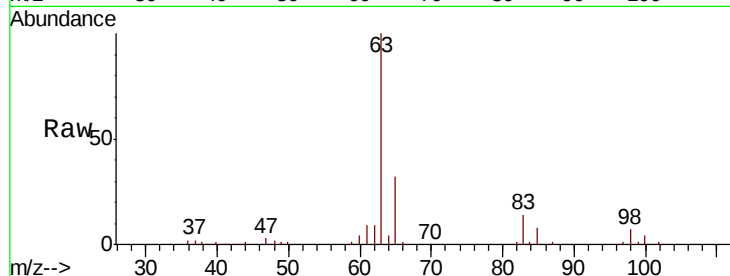
Tot Ion: 63 Resp: 92786

Ion Ratio Lower Upper

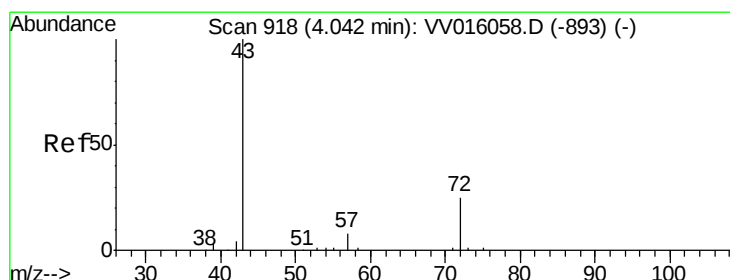
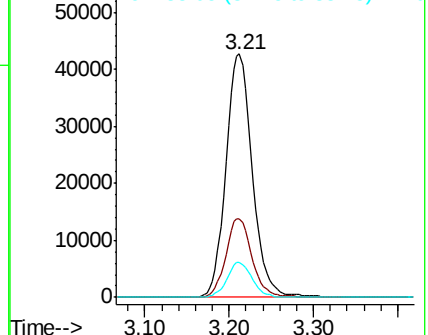
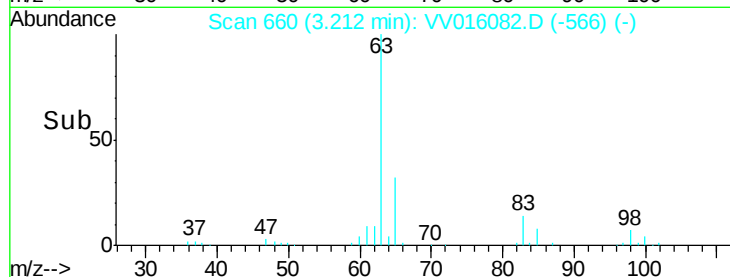
63 100

65 32.3 22.0 41.0

83 14.3 9.8 18.2



Abundance Ion 63.10 (62.80 to 63.80): VV016082.D (-566) (-)



#21

2-Butanone

Concen: 49.207 ug/L

RT: 4.04 min Scan# 916

Delta R.T. -0.01 min

Lab File: VV016082.D

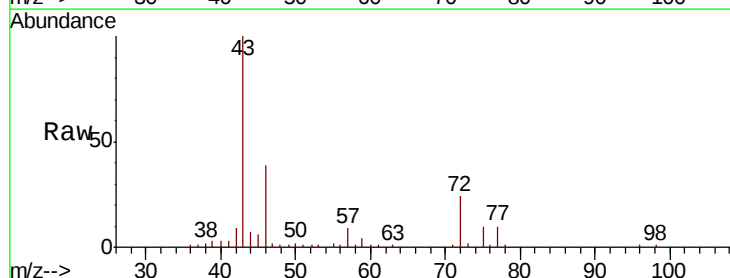
Acq: 15 May 2020 10:40

Tgt Ion: 43 Resp: 123265

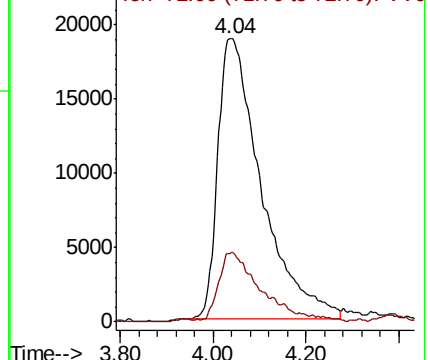
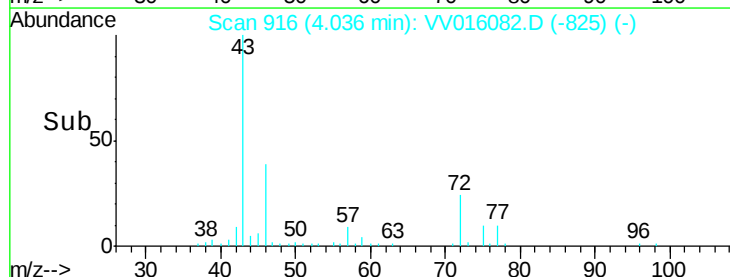
Ion Ratio Lower Upper

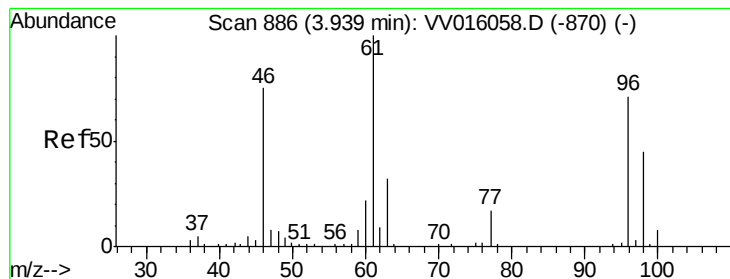
43 100

72 18.7 10.5 31.5



Abundance Ion 43.00 (42.70 to 43.70): VV016082.D (-825) (-)





#22

cis-1,2-Dichloroethene

Concen: 4.821 ug/L

RT: 3.94 min Scan# 885

Delta R.T. -0.00 min

Lab File: VV016082.D

Acq: 15 May 2020 10:40

Instrument :
MSVOA_V
ClientSampleId :

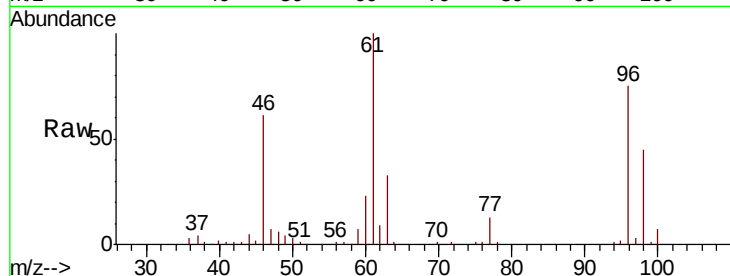
Tot Ion: 96 Resp: 49455

Ion Ratio Lower Upper

96 100

61 132.5 97.2 180.6

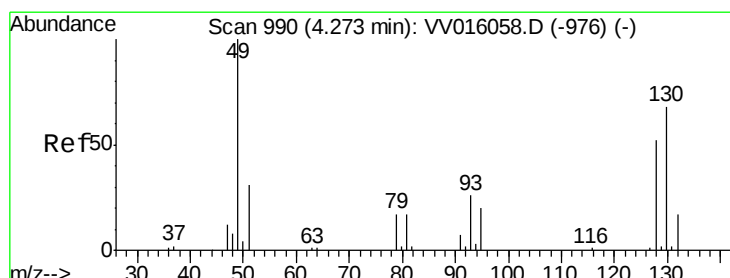
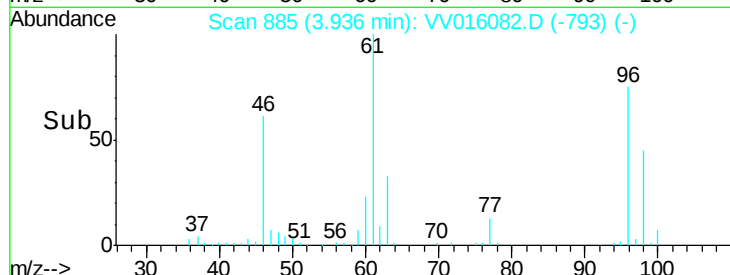
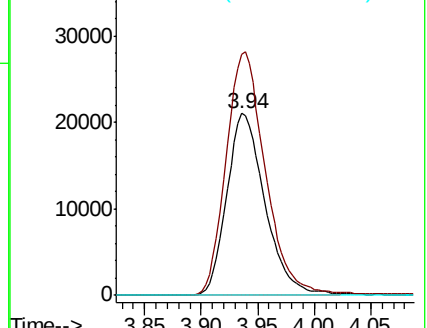
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV016082.D (-793) (-)

Ion 61.05 (60.75 to 61.75): VV016082.D (-793) (-)

Ion 68.15 (67.85 to 68.85): VV016082.D (-793) (-)



#23

Bromochloromethane

Concen: 4.826 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VV016082.D

Acq: 15 May 2020 10:40

Tgt Ion:128 Resp: 21130

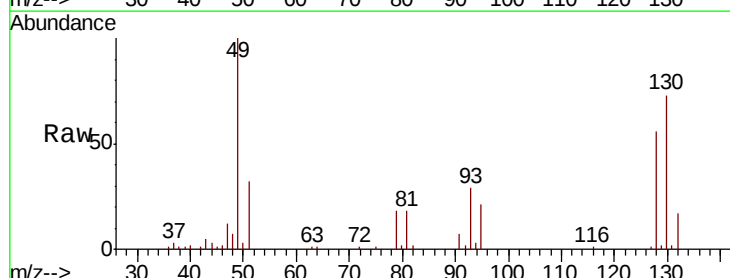
Ion Ratio Lower Upper

128 100

49 178.5 131.3 243.8

130 130.5 91.8 170.4

51 56.6 48.8 73.2

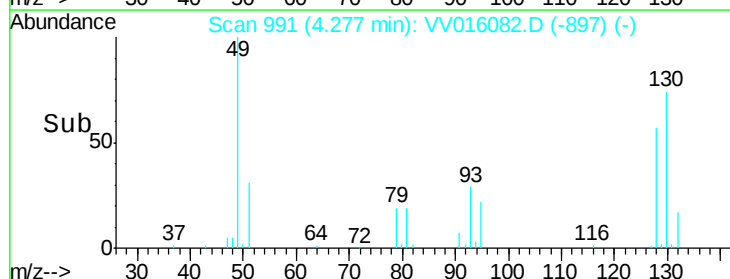
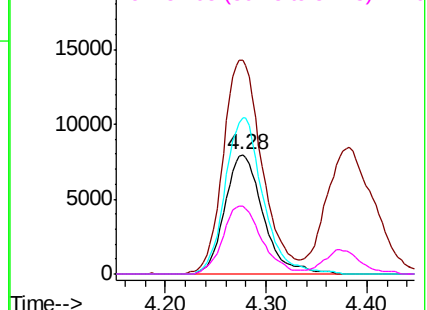


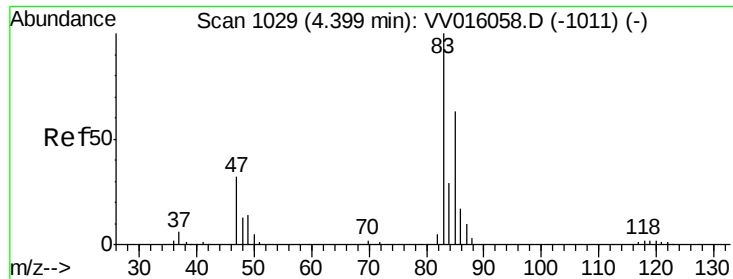
Abundance Ion 127.90 (127.60 to 128.60): VV016082.D (-897) (-)

Ion 49.10 (48.80 to 49.80): VV016082.D (-897) (-)

Ion 129.95 (129.65 to 130.65): VV016082.D (-897) (-)

Ion 51.05 (50.75 to 51.75): VV016082.D (-897) (-)

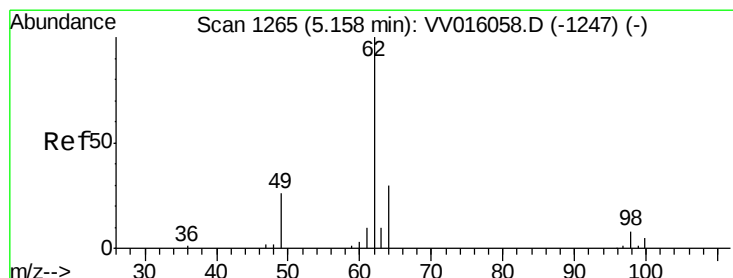
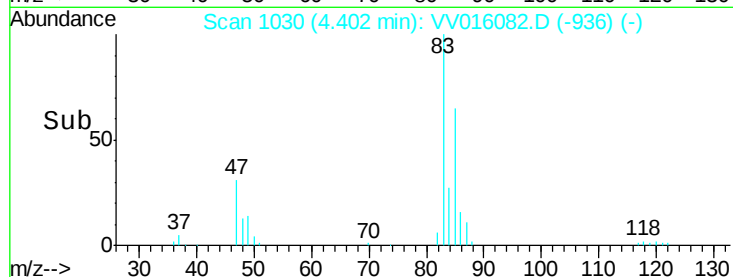
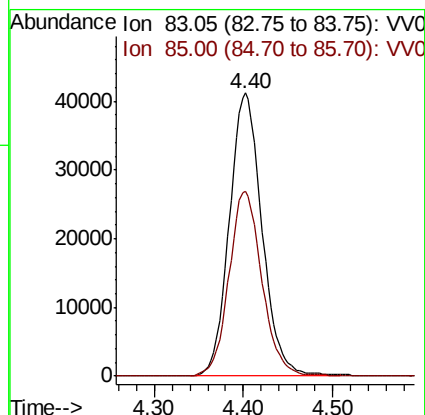
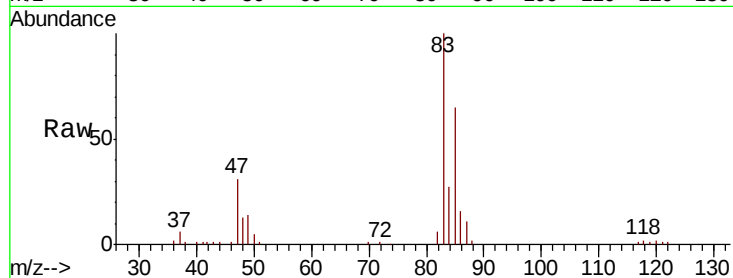




#25
Chloroform
Concen: 5.040 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV016082.D
Acq: 15 May 2020 10:40

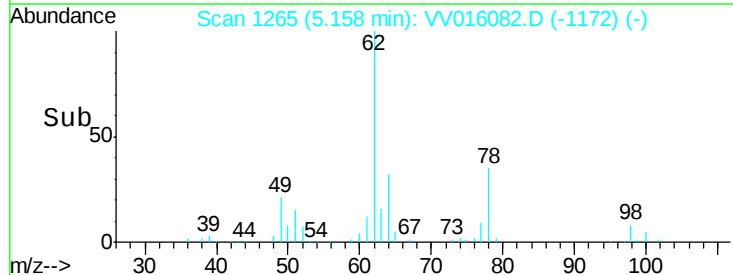
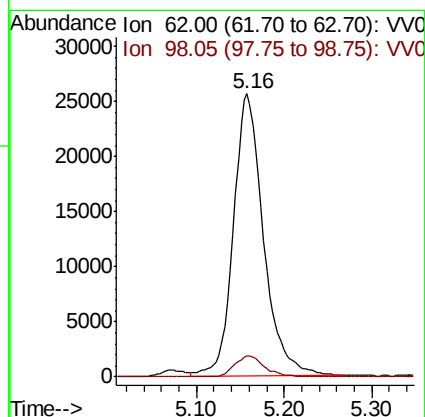
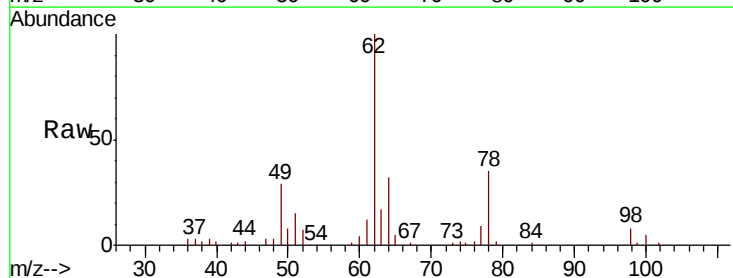
Instrument :
MSVOA_V
ClientSampleId :

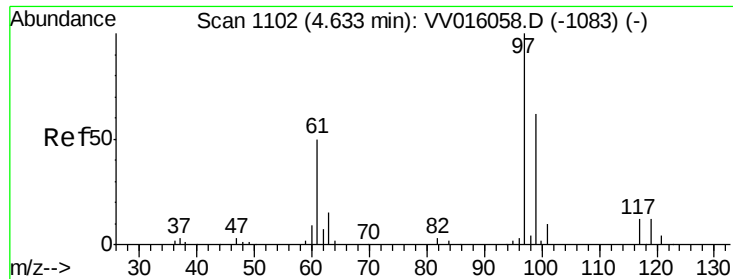
Tot Ion: 83 Resp: 104769
Ion Ratio Lower Upper
83 100
85 65.4 45.7 84.9



#27
1,2-Dichloroethane
Concen: 4.762 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV016082.D
Acq: 15 May 2020 10:40

Tgt Ion: 62 Resp: 60825
Ion Ratio Lower Upper
62 100
98 7.5 6.7 10.1

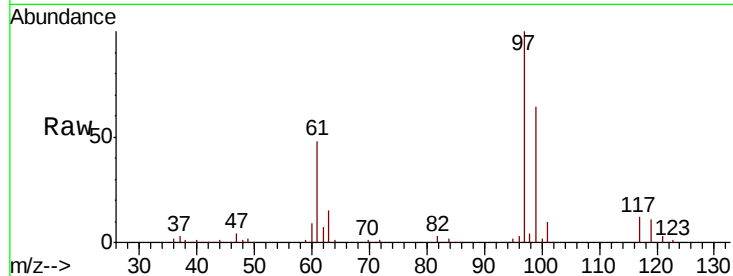




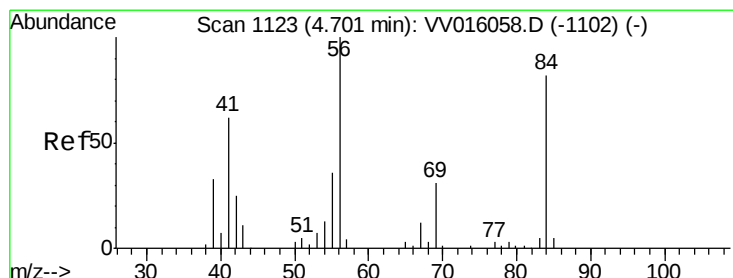
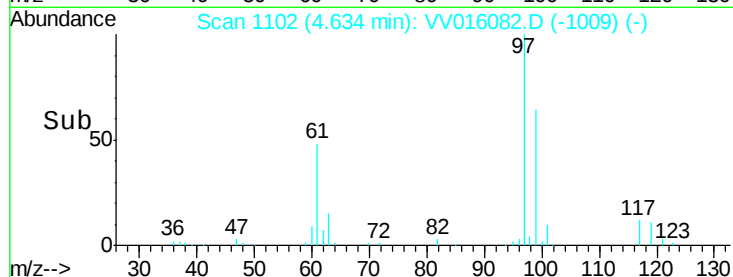
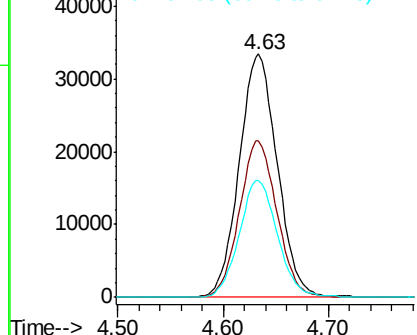
#29
 1,1,1-Trichloroethane
 Concen: 4.866 ug/L
 RT: 4.63 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VV016082.D
 Acq: 15 May 2020 10:40

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 97 Resp: 83686
 Ion Ratio Lower Upper
 97 100
 99 63.6 50.7 76.1
 61 48.5 38.8 58.2

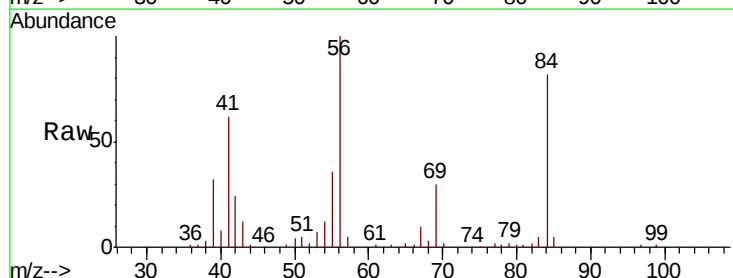


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

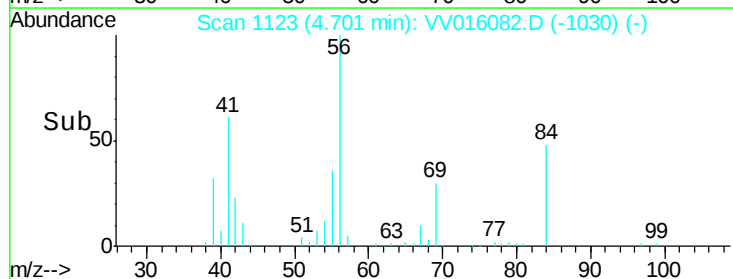
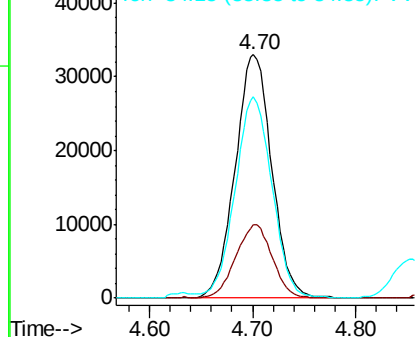


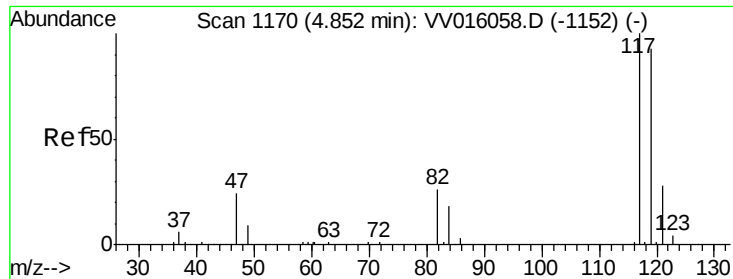
#30
 Cyclohexane
 Concen: 4.723 ug/L
 RT: 4.70 min Scan# 1123
 Delta R.T. 0.00 min
 Lab File: VV016082.D
 Acq: 15 May 2020 10:40

Tgt Ion: 56 Resp: 81397
 Ion Ratio Lower Upper
 56 100
 69 30.1 24.2 36.2
 84 83.3 68.3 102.5



Abundance Ion 56.10 (55.80 to 56.80): VV0
 Ion 69.15 (68.85 to 69.85): VV0
 Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 4.830 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV016082.D

Acq: 15 May 2020 10:40

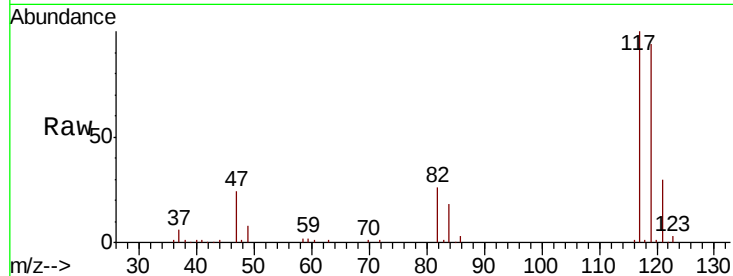
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 71695

Ion Ratio Lower Upper

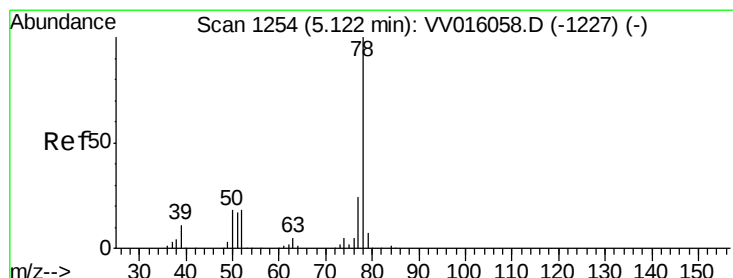
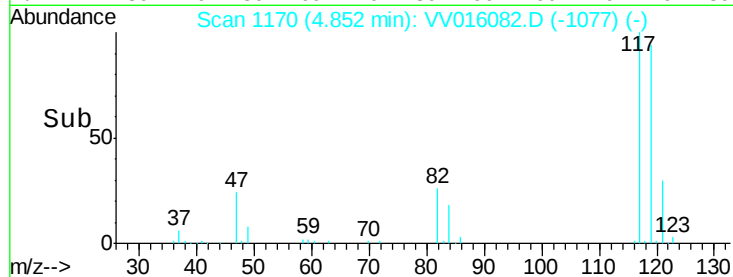
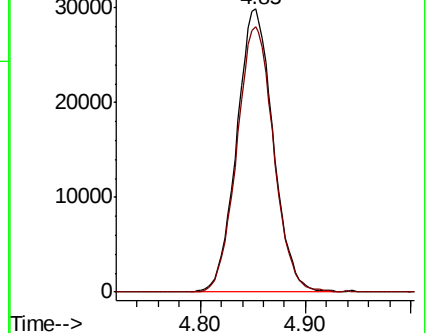
117 100

119 94.6 77.3 115.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.004 ug/L

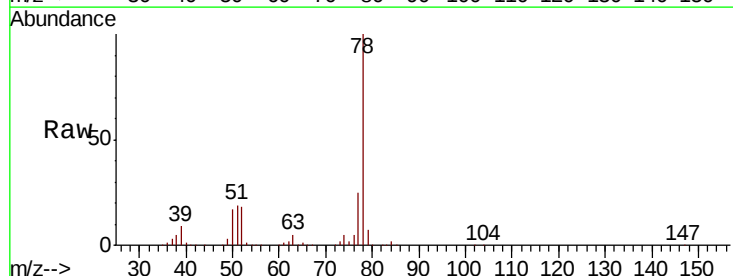
RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

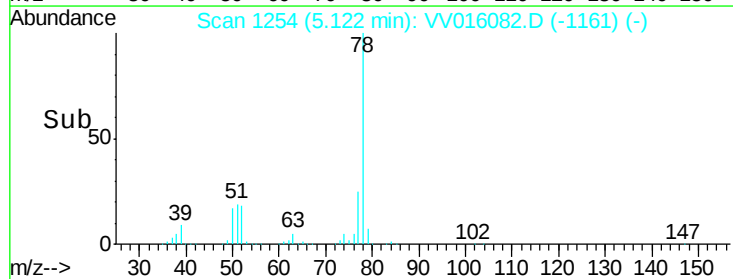
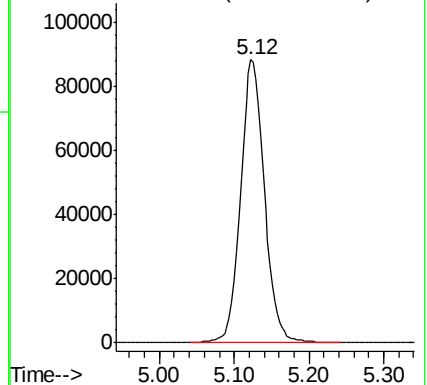
Lab File: VV016082.D

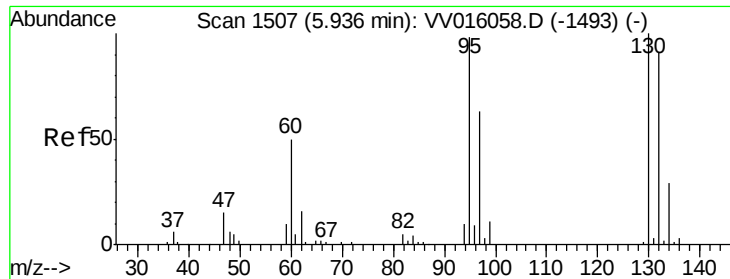
Acq: 15 May 2020 10:40

Tgt Ion: 78 Resp: 196356



Abundance Ion 78.10 (77.80 to 78.80): VV0

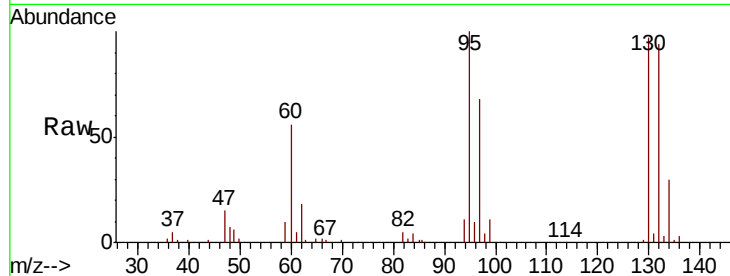




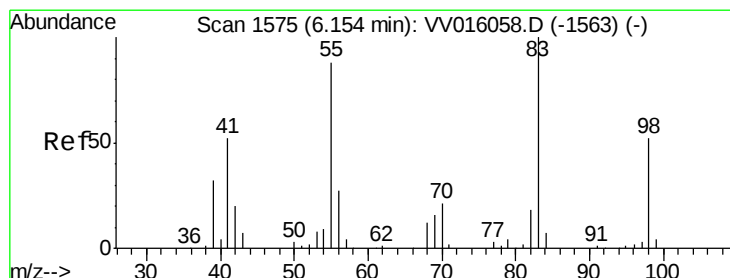
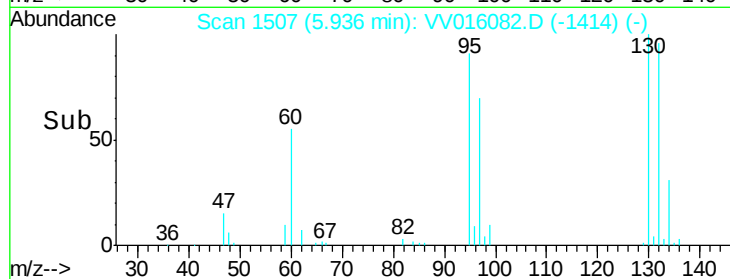
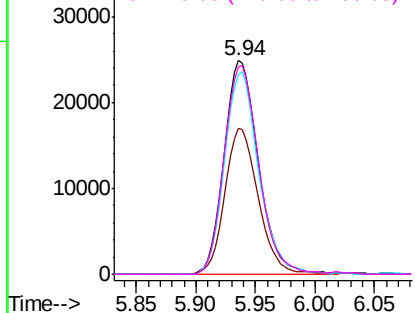
#34
 Trichloroethene
 Concen: 4.449 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV016082.D
 Acq: 15 May 2020 10:40

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 49826
 Ion Ratio Lower Upper
 95 100
 97 68.3 43.3 80.5
 132 93.8 60.3 112.1
 130 97.3 66.0 122.6

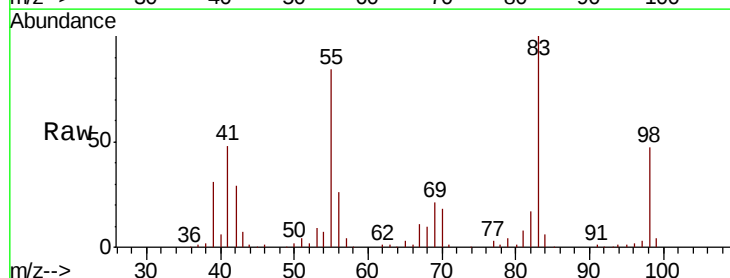


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

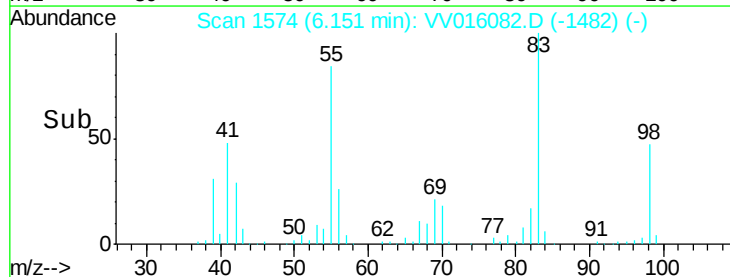
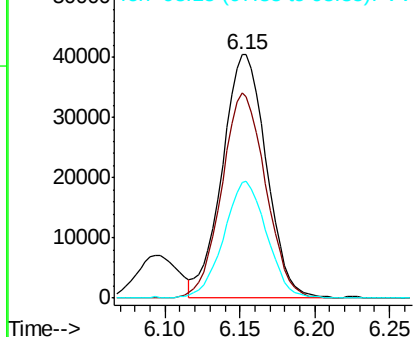


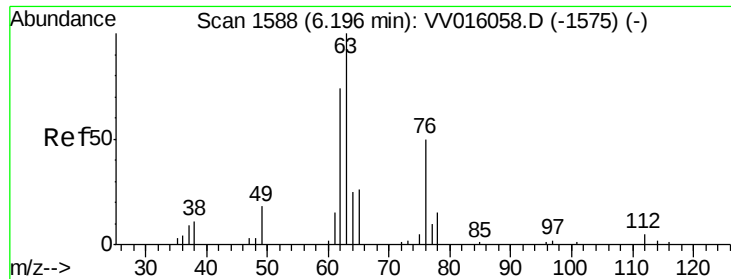
#35
 Methylcyclohexane
 Concen: 4.875 ug/L
 RT: 6.15 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VV016082.D
 Acq: 15 May 2020 10:40

Tgt Ion: 83 Resp: 82597
 Ion Ratio Lower Upper
 83 100
 55 84.2 66.2 99.2
 98 47.1 37.9 56.9



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: 5.097 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. 0.00 min

Lab File: VV016082.D

Acq: 15 May 2020 10:40

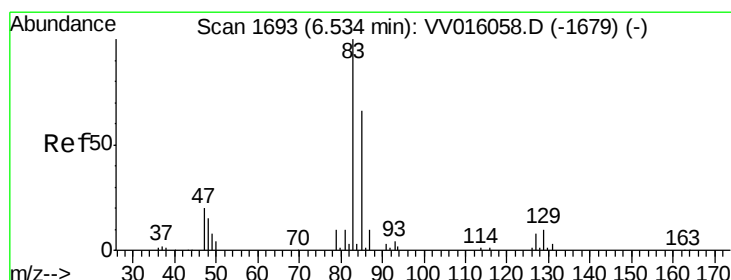
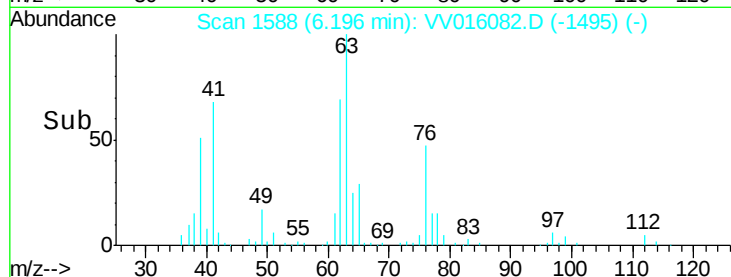
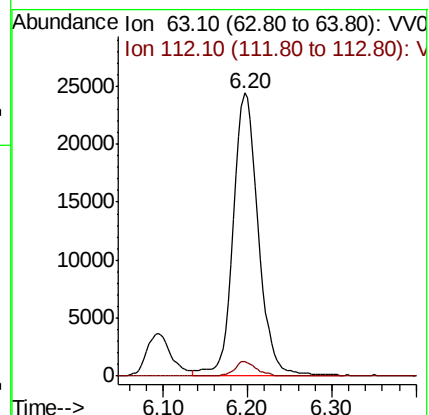
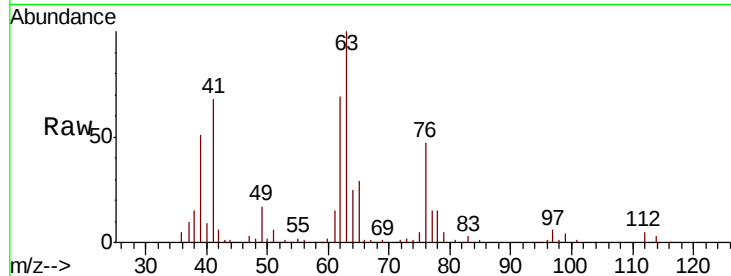
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 63 Resp: 50810

Ion Ratio Lower Upper

63 100

112 4.4 3.4 5.0



#38

Bromodichloromethane

Concen: 4.874 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VV016082.D

Acq: 15 May 2020 10:40

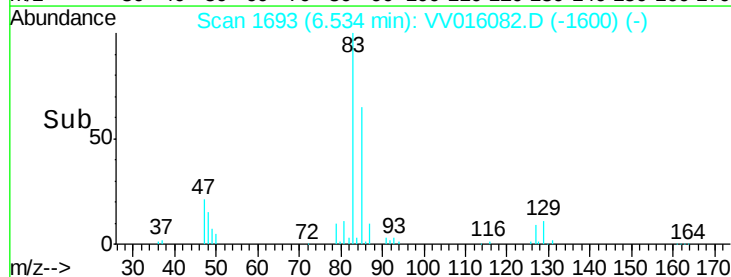
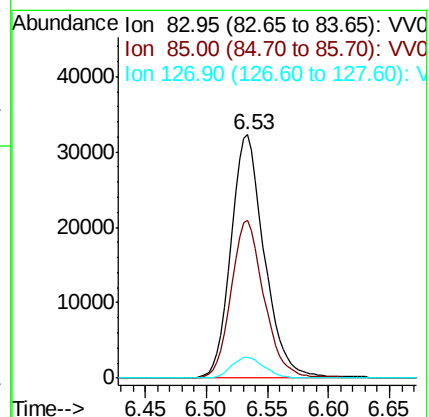
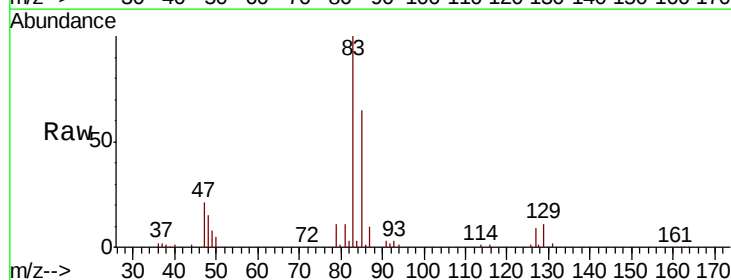
Tgt Ion: 83 Resp: 61706

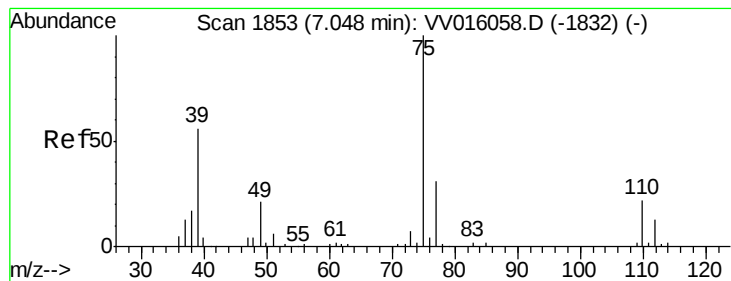
Ion Ratio Lower Upper

83 100

85 64.8 45.5 84.5

127 8.6 6.2 9.4



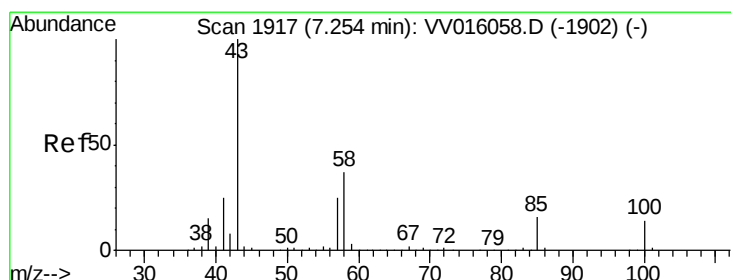
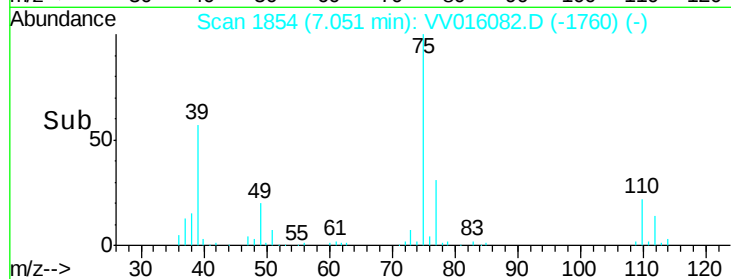
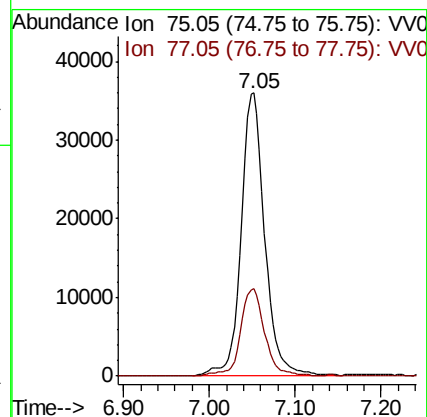
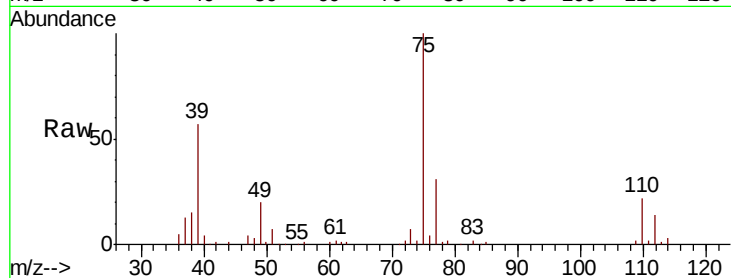


#39

cis-1,3-Dichloropropene
Concen: 4.884 ug/L
RT: 7.05 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VV016082.D
Acq: 15 May 2020 10:40

Instrument :
MSVOA_V
ClientSampleId :

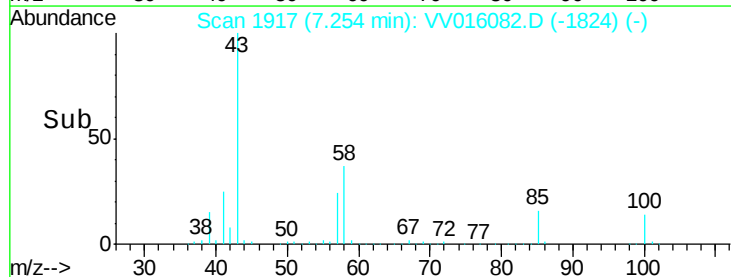
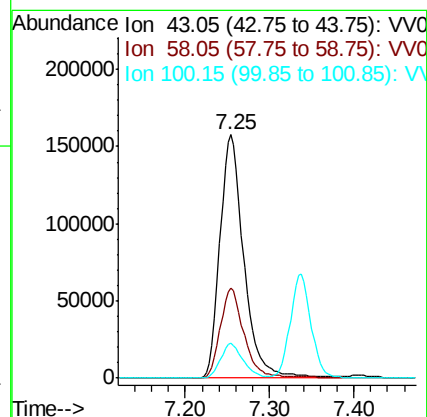
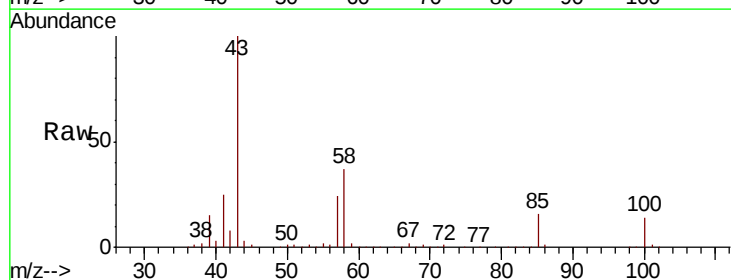
Tot Ion: 75 Resp: 68821
Ion Ratio Lower Upper
75 100
77 30.8 21.3 39.5

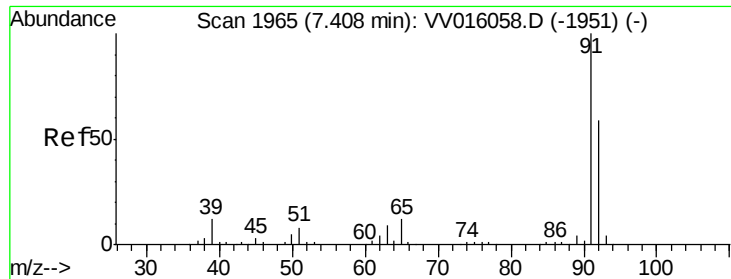


#40

4-Methyl-2-pentanone
Concen: 50.114 ug/L
RT: 7.25 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VV016082.D
Acq: 15 May 2020 10:40

Tgt Ion: 43 Resp: 311389
Ion Ratio Lower Upper
43 100
58 36.2 29.0 43.4
100 13.4 10.9 16.3





#42

Toluene

Concen: 5.117 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV016082.D

Acq: 15 May 2020 10:40

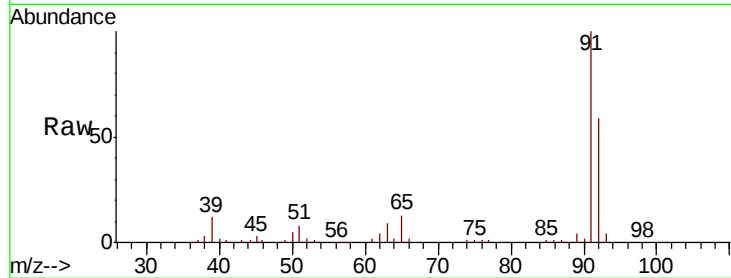
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 212847

Ion Ratio Lower Upper

91 100

92 59.1 40.1 74.5



Abundance Ion 91.15 (90.85 to 91.85): VV016058.D (-1951) (-)

Ion 92.15 (91.85 to 92.85): VV016058.D (-1951) (-)

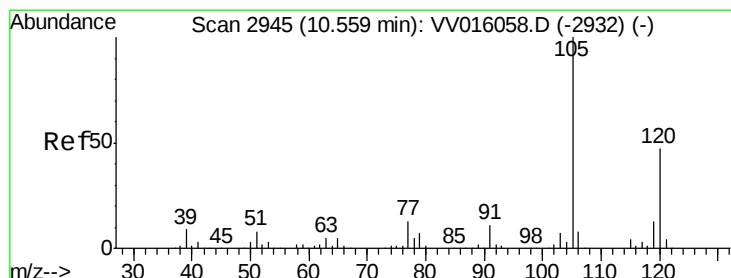
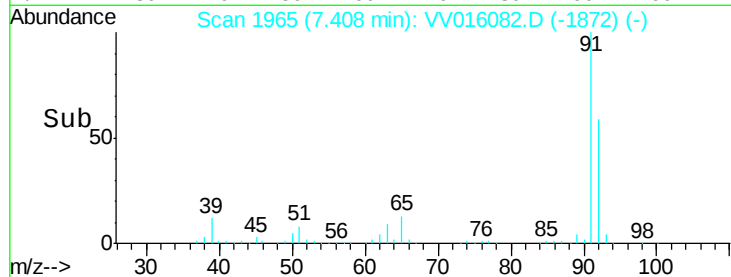
7.41

100000

50000

0

Time-->



#43

1,3,5-Trimethylbenzene

Concen: 5.006 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VV016082.D

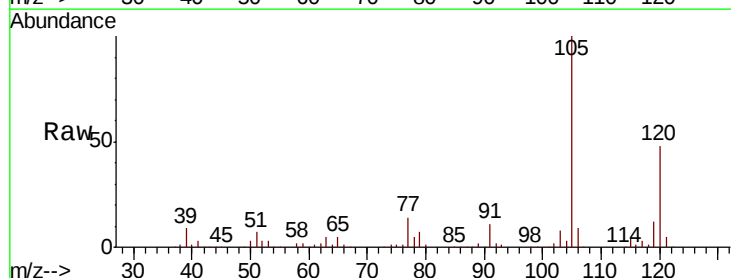
Acq: 15 May 2020 10:40

Tgt Ion:105 Resp: 191149

Ion Ratio Lower Upper

105 100

120 48.5 0.0 0.0#



Abundance Ion 105.00 (104.70 to 105.70): VV016058.D (-2932) (-)

Ion 120.00 (119.70 to 120.70): VV016058.D (-2932) (-)

10.56

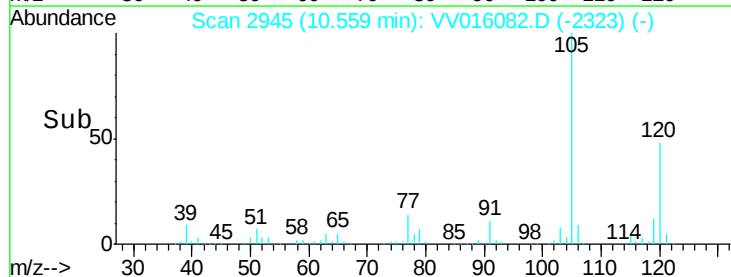
150000

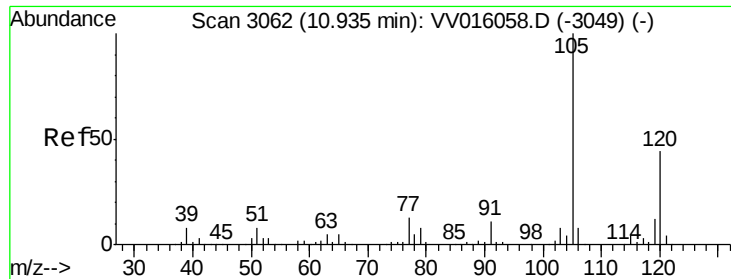
100000

50000

0

Time-->

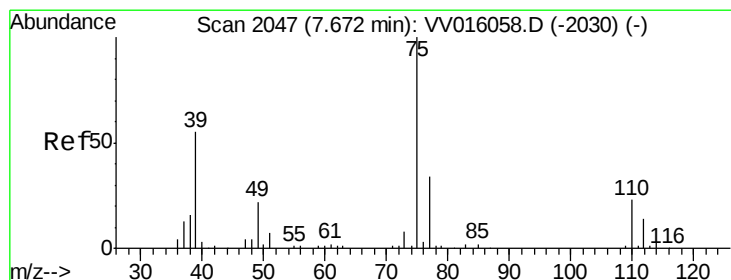
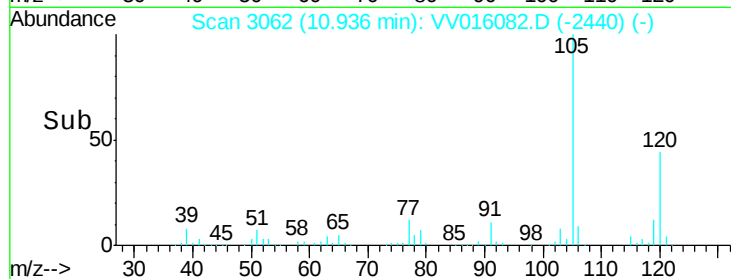
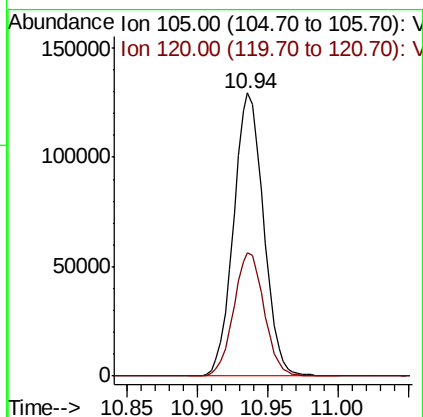
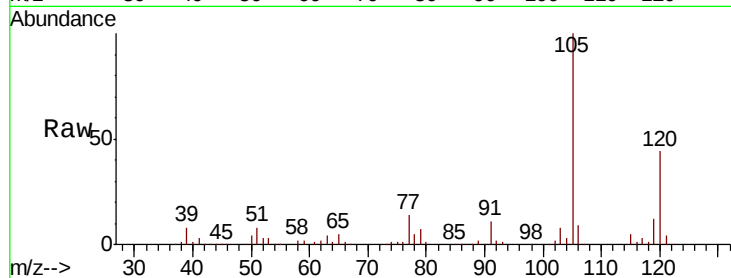




#44
1,2,4-Trimethylbenzene
Concen: 5.062 ug/L
RT: 10.94 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VV016082.D
Acq: 15 May 2020 10:40

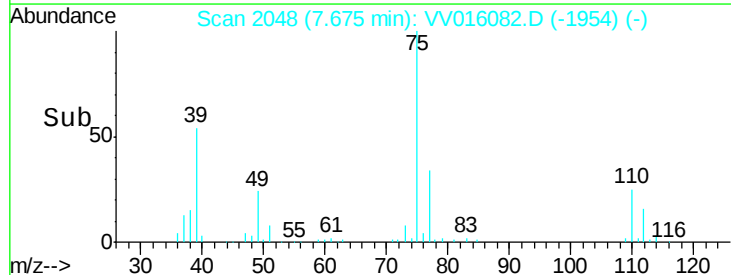
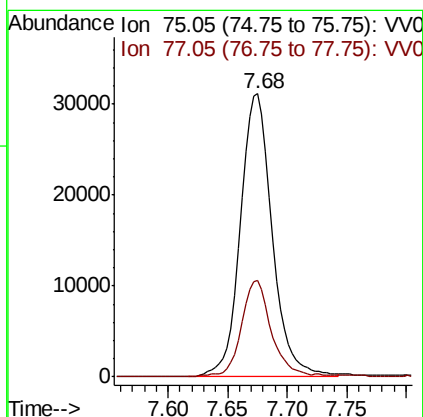
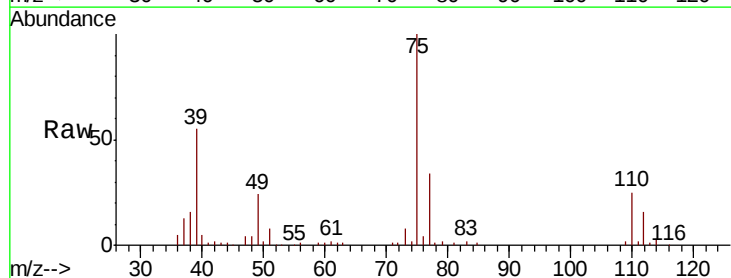
Instrument :
MSVOA_V
ClientSampled :

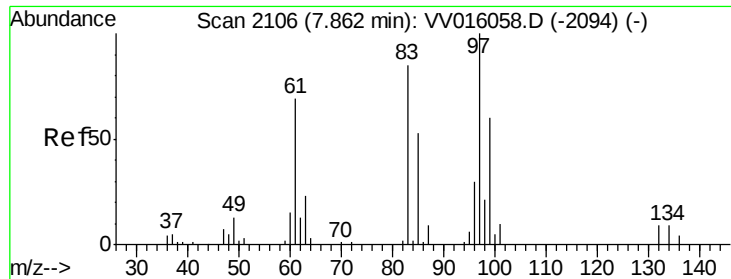
Tot Ion:105 Resp: 193123
Ion Ratio Lower Upper
105 100
120 44.0 0.0 0.0#



#46
trans-1,3-Dichloropropene
Concen: 4.878 ug/L
RT: 7.68 min Scan# 2048
Delta R.T. 0.00 min
Lab File: VV016082.D
Acq: 15 May 2020 10:40

Tgt Ion: 75 Resp: 58057
Ion Ratio Lower Upper
75 100
77 34.2 21.3 39.6

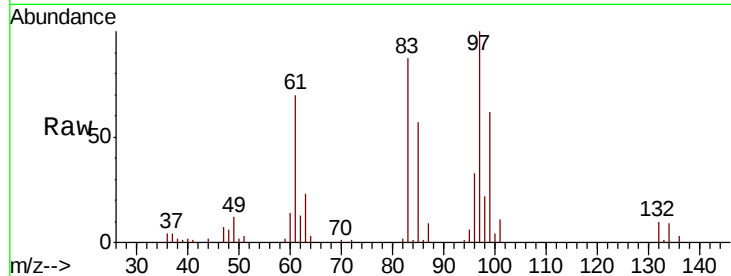




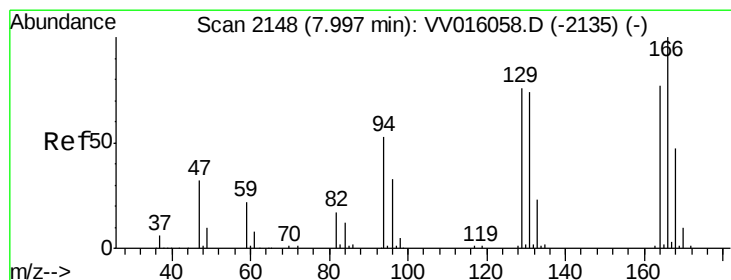
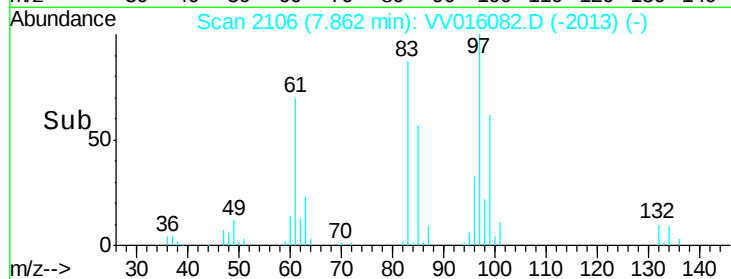
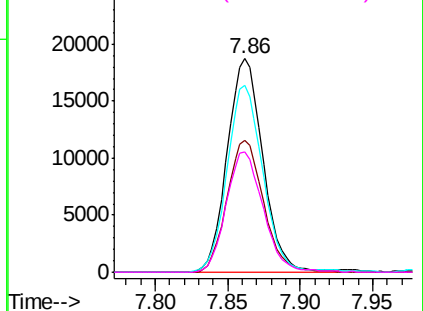
#47
 1,1,2-Trichloroethane
 Concen: 4.802 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV016082.D
 Acq: 15 May 2020 10:40

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:	97	Resp:	31966
Ion	Ratio	Lower	Upper
97	100		
99	61.9	42.1	78.1
83	87.4	59.2	110.0
85	56.6	38.6	71.8

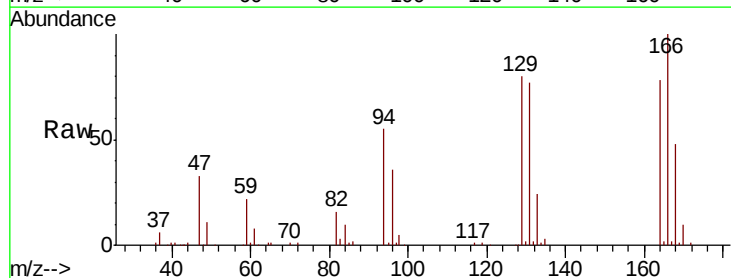


Abundance Ion 96.95 (96.65 to 97.65): VV016082.D (-2013) (-)
 Ion 99.05 (98.75 to 99.75): VV016082.D (-2013) (-)
 Ion 82.95 (82.65 to 83.65): VV016082.D (-2013) (-)
 Ion 85.00 (84.70 to 85.70): VV016082.D (-2013) (-)

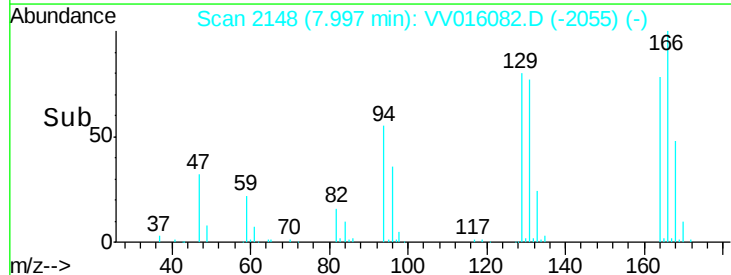
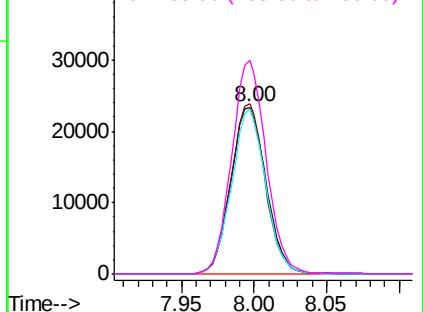


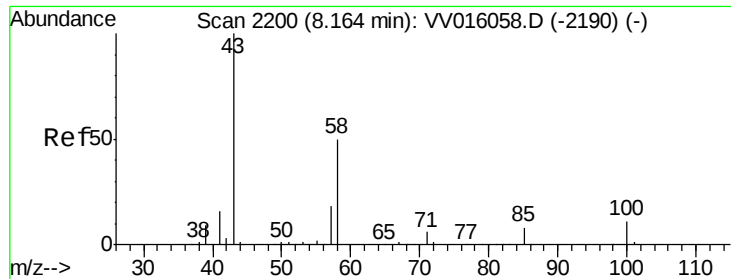
#49
 Tetrachloroethene
 Concen: 5.051 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV016082.D
 Acq: 15 May 2020 10:40

Tgt Ion:	164	Resp:	39476
Ion	Ratio	Lower	Upper
164	100		
129	102.3	69.7	129.4
131	99.0	66.8	124.2
166	128.0	89.1	165.5



Abundance Ion 163.90 (163.60 to 164.60): VV016082.D (-2055) (-)
 Ion 128.95 (128.65 to 129.65): VV016082.D (-2055) (-)
 Ion 130.95 (130.65 to 131.65): VV016082.D (-2055) (-)
 Ion 165.90 (165.60 to 166.60): VV016082.D (-2055) (-)

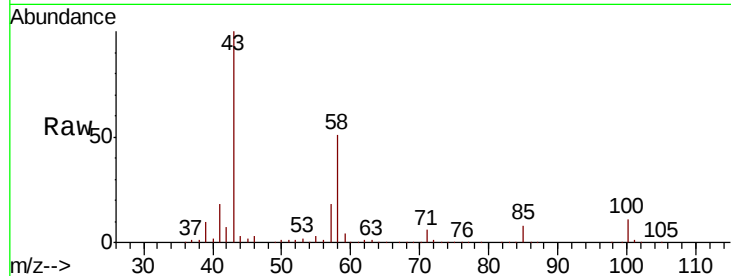




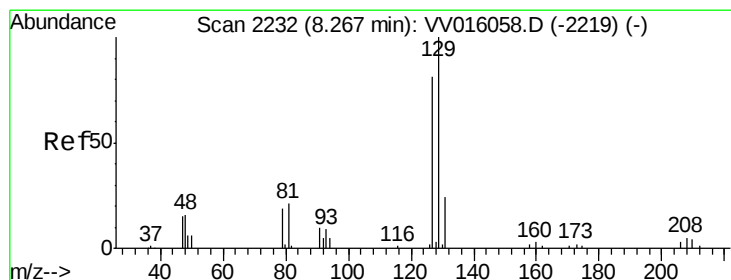
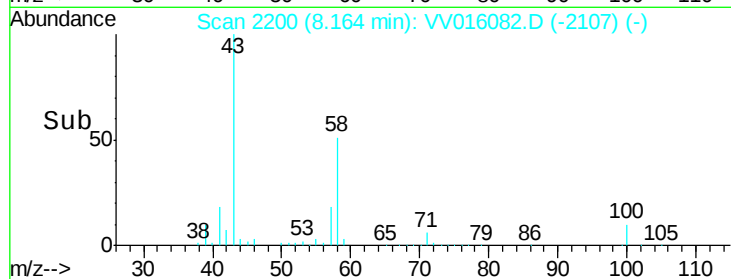
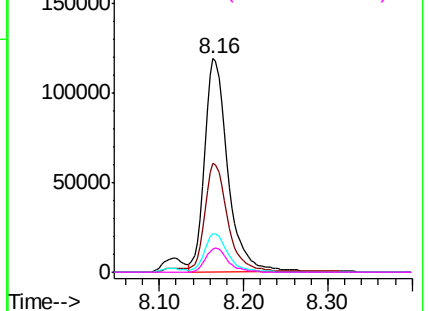
#50
2-Hexanone
Concen: 52.060 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV016082.D
Acq: 15 May 2020 10:40

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 228758
Ion Ratio Lower Upper
43 100
58 50.3 40.8 61.2
57 17.8 14.7 22.1
100 10.9 9.0 13.6

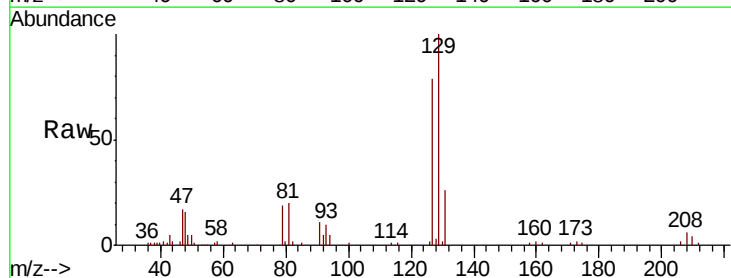


Abundance Ion 43.05 (42.75 to 43.75): VV016082.D (-2107) (-)
Ion 58.05 (57.75 to 58.75): VV016082.D (-2107) (-)
Ion 57.20 (56.90 to 57.90): VV016082.D (-2107) (-)
Ion 100.15 (99.85 to 100.85): VV016082.D (-2107) (-)

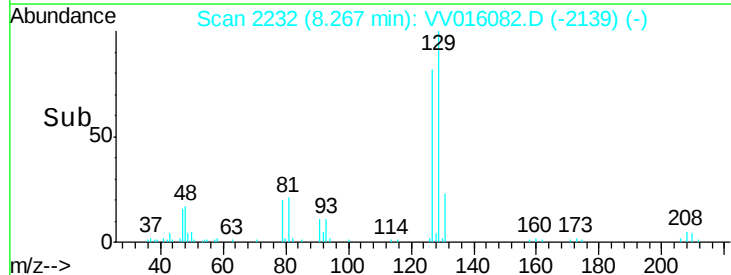
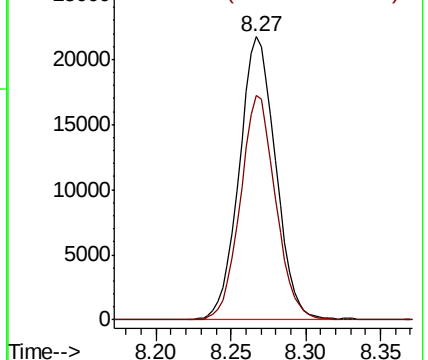


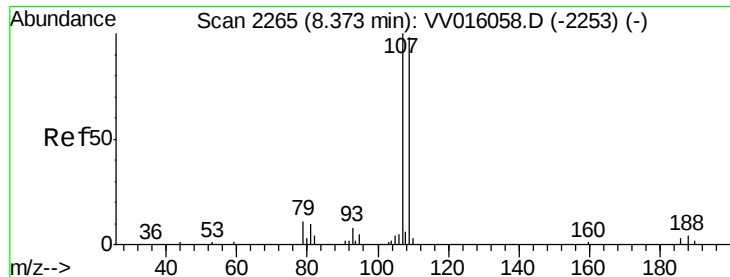
#51
Dibromochloromethane
Concen: 4.931 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV016082.D
Acq: 15 May 2020 10:40

Tgt Ion: 129 Resp: 36890
Ion Ratio Lower Upper
129 100
127 79.2 56.0 104.0



Abundance Ion 128.95 (128.65 to 129.65): VV016082.D (-2139) (-)
Ion 126.90 (126.60 to 127.60): VV016082.D (-2139) (-)

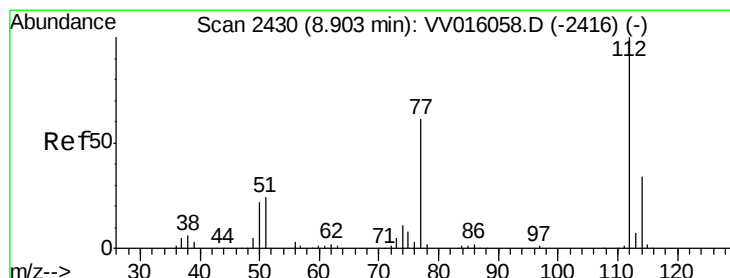
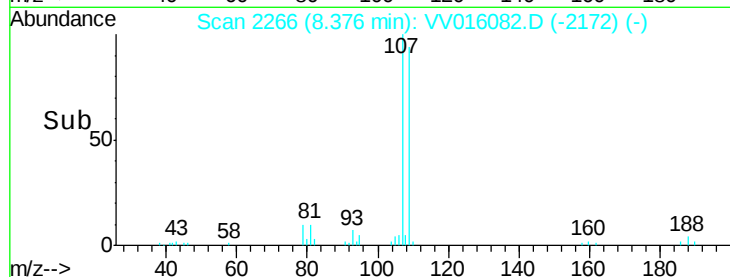
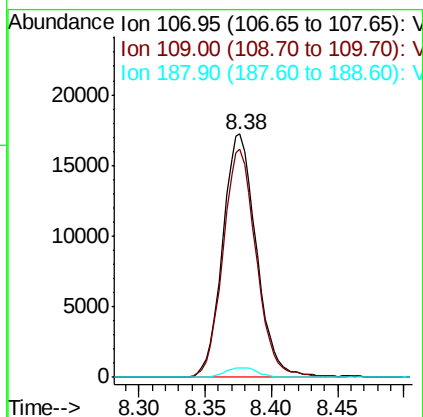
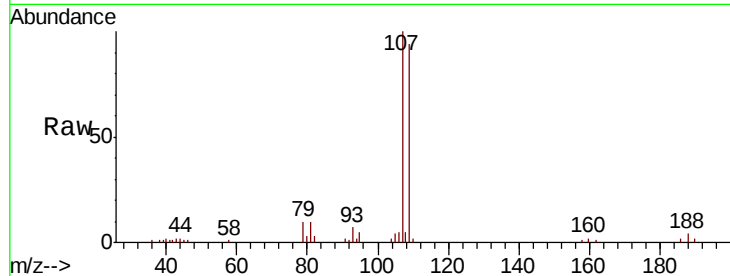




#52
 1,2-Dibromoethane
 Concen: 4.926 ug/L
 RT: 8.38 min Scan# 2266
 Delta R.T. 0.00 min
 Lab File: VV016082.D
 Acq: 15 May 2020 10:40

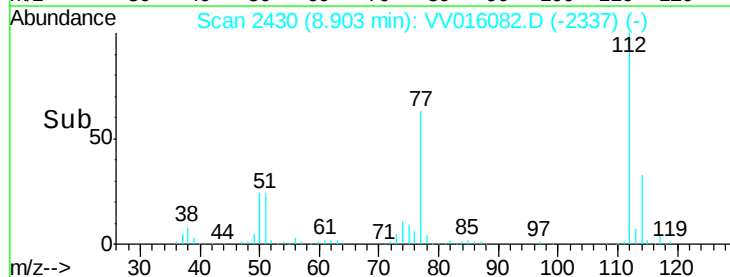
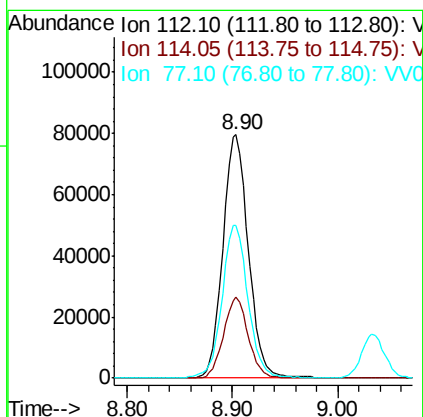
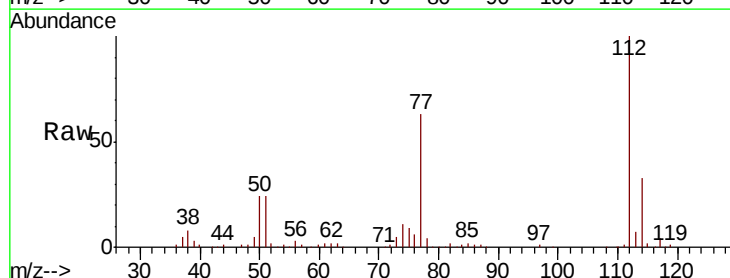
Instrument :
 MSVOA_V
 ClientSampleId :

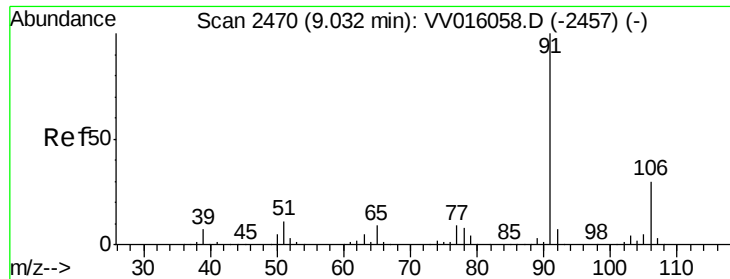
Tot Ion:107 Resp: 30412
 Ion Ratio Lower Upper
 107 100
 109 93.7 68.9 127.9
 188 3.7 2.7 4.1



#53
 Chlorobenzene
 Concen: 4.983 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV016082.D
 Acq: 15 May 2020 10:40

Tgt Ion:112 Resp: 133291
 Ion Ratio Lower Upper
 112 100
 114 33.1 21.6 40.0
 77 62.7 48.6 73.0

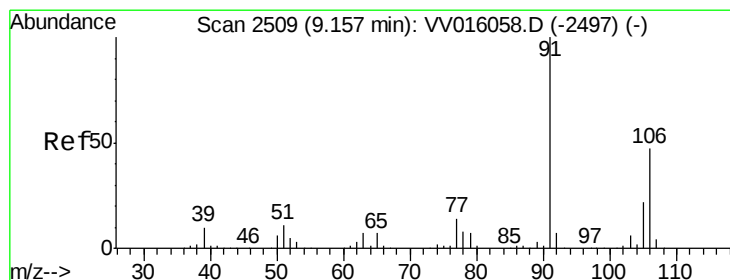
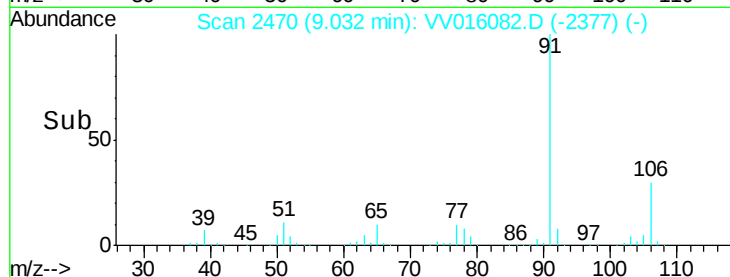
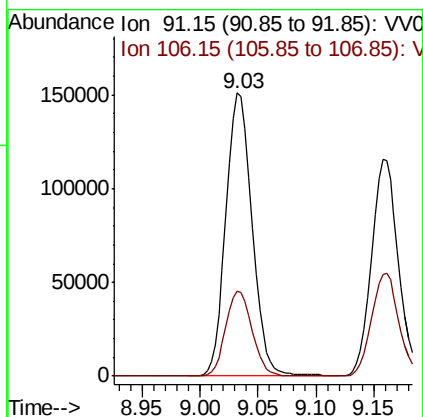
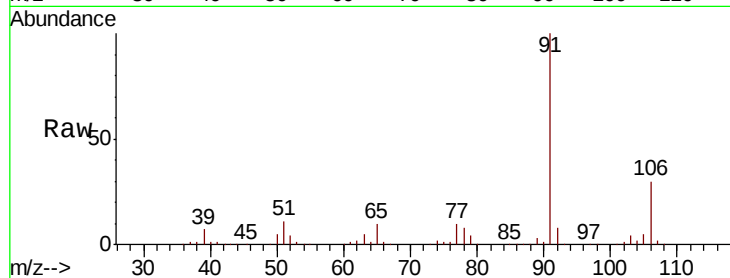




#54
Ethylbenzene
Concen: 4.988 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VV016082.D
Acq: 15 May 2020 10:40

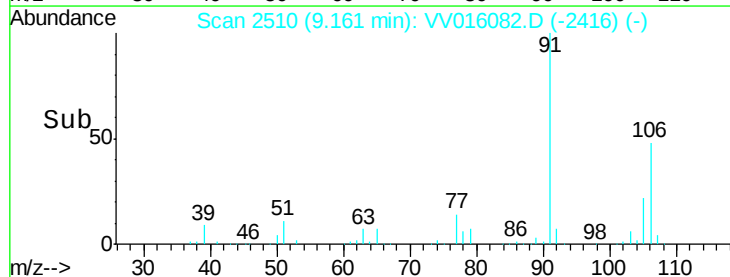
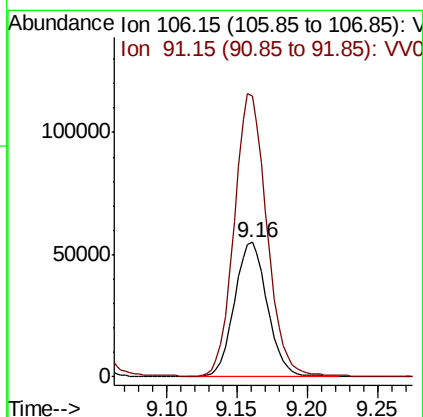
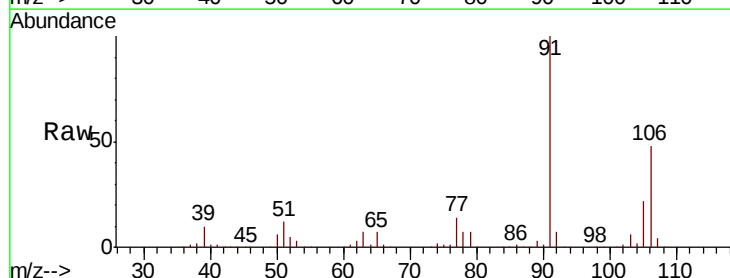
Instrument :
MSVOA_V
ClientSampleId :

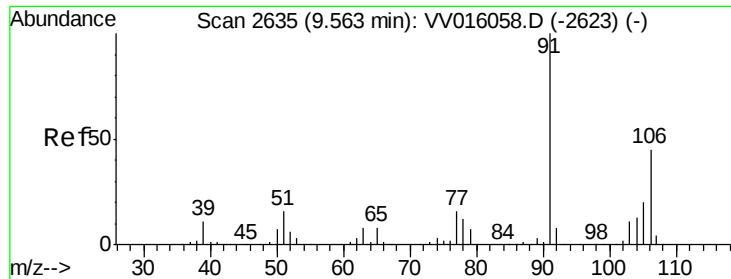
Tot Ion: 91 Resp: 235899
Ion Ratio Lower Upper
91 100
106 30.1 20.6 38.4



#55
m,p-xylene
Concen: 5.131 ug/L
RT: 9.16 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VV016082.D
Acq: 15 May 2020 10:40

Tgt Ion: 106 Resp: 89861
Ion Ratio Lower Upper
106 100
91 209.0 149.9 278.3

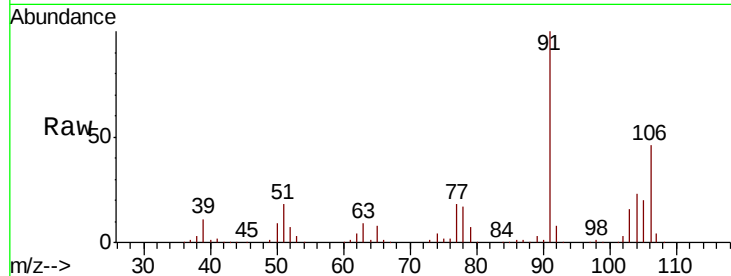




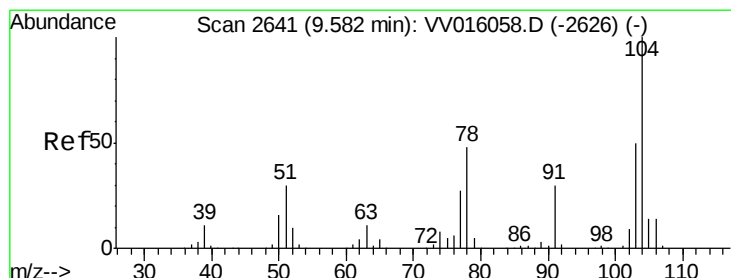
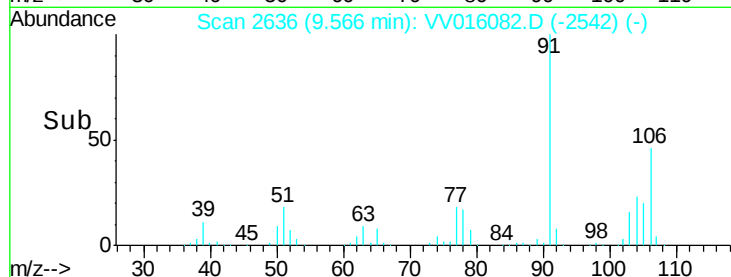
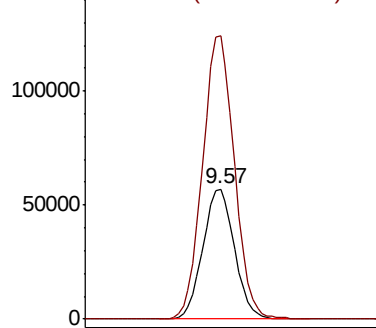
#56
o-xylene
Concen: 5.146 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV016082.D
Acq: 15 May 2020 10:40

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 86164
Ion Ratio Lower Upper
106 100
91 217.9 159.7 296.5

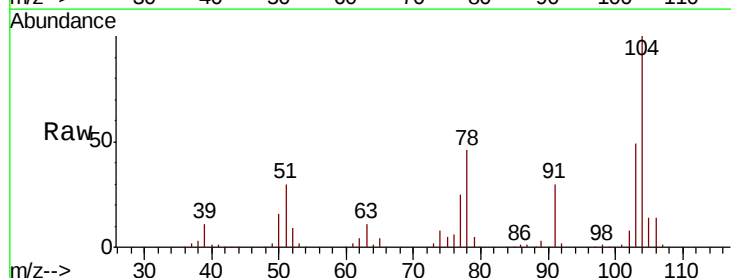


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

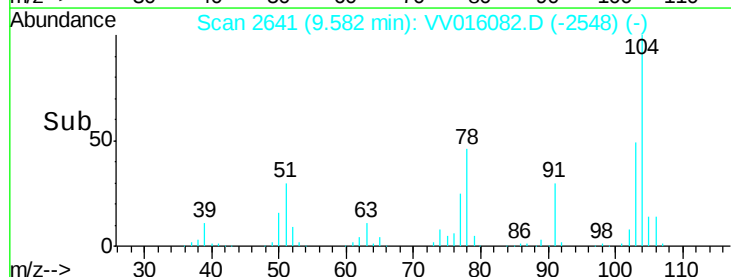
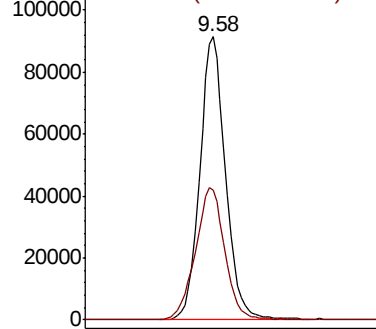


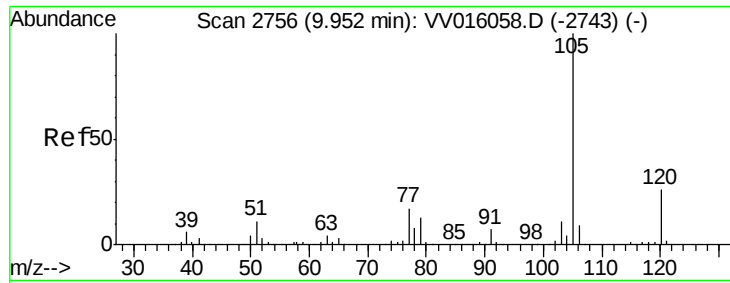
#57
Styrene
Concen: 5.263 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV016082.D
Acq: 15 May 2020 10:40

Tgt Ion:104 Resp: 147394
Ion Ratio Lower Upper
104 100
78 46.0 33.9 63.0



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





#58

Isopropylbenzene

Concen: 5.004 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV016082.D

Acq: 15 May 2020 10:40

Instrument :

MSVOA_V

ClientSampleId :

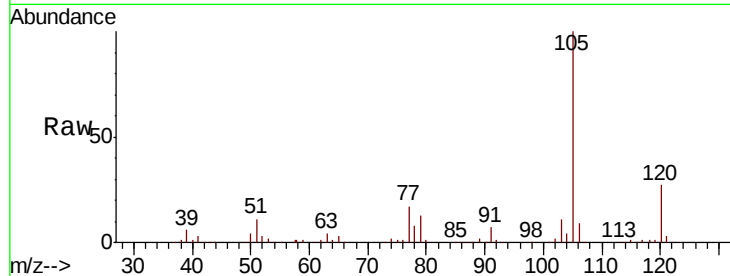
Tot Ion:105 Resp: 230160

Ion Ratio Lower Upper

105 100

120 26.3 20.8 31.2

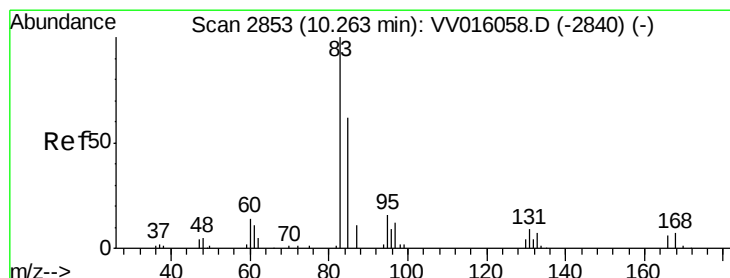
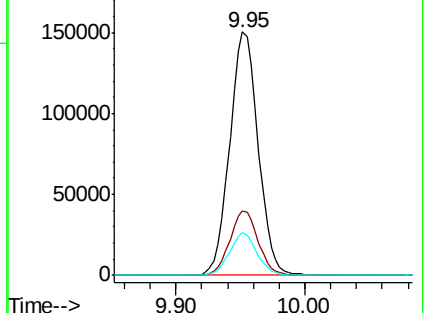
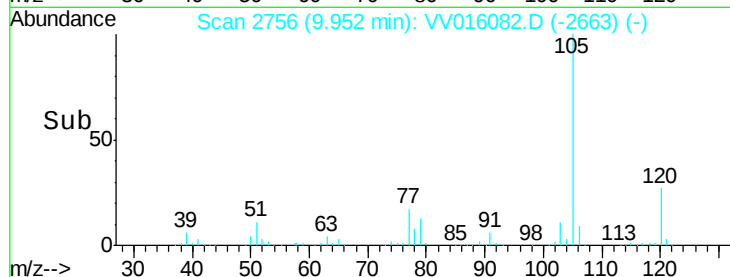
77 17.1 14.1 21.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#60

1,1,2,2-Tetrachloroethane

Concen: 5.438 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV016082.D

Acq: 15 May 2020 10:40

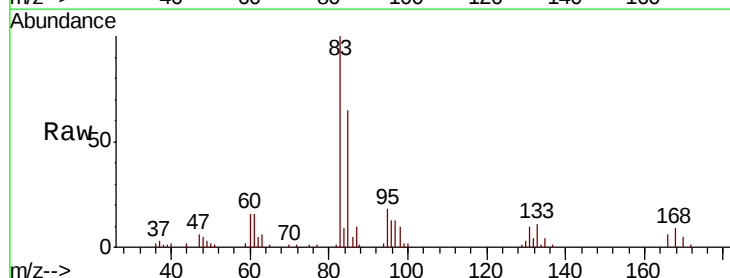
Tgt Ion: 83 Resp: 38685

Ion Ratio Lower Upper

83 100

85 64.7 44.0 81.6

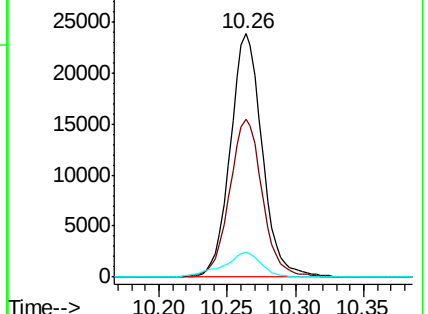
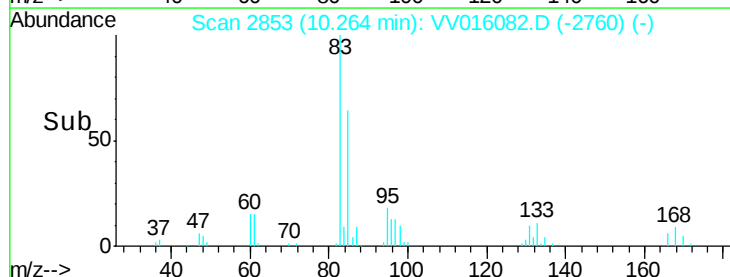
131 10.2 7.7 11.5

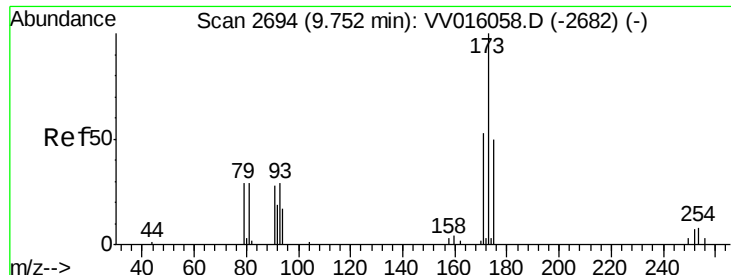


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#62

Bromoform

Concen: 4.818 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV016082.D

Acq: 15 May 2020 10:40

Instrument :
MSVOA_V
ClientSampleId :

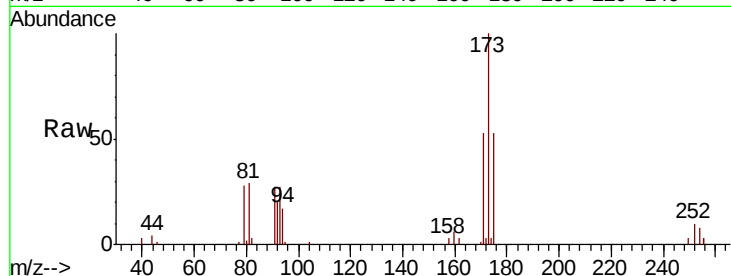
Tot Ion:173 Resp: 17532

Ion Ratio Lower Upper

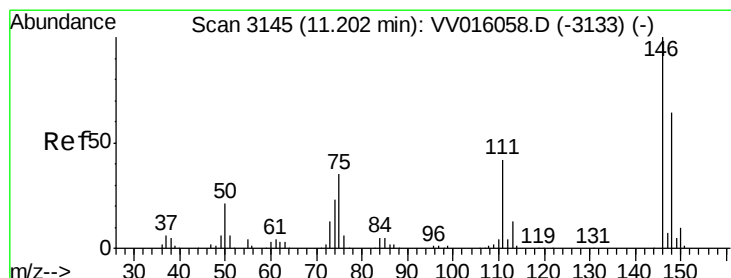
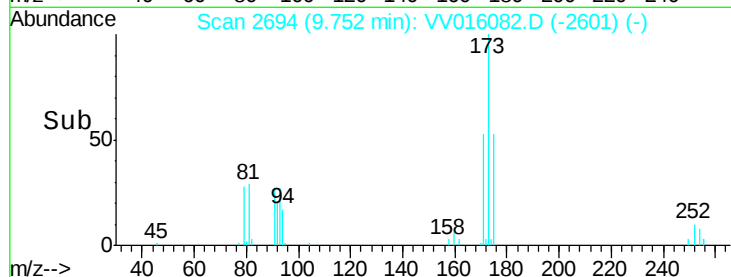
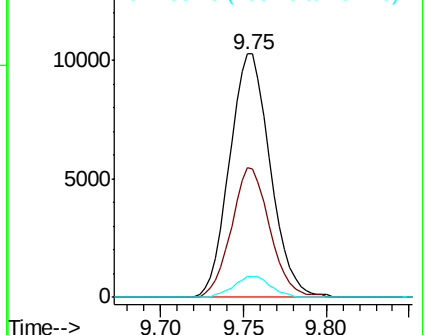
173 100

175 50.2 39.8 59.8

254 7.8 7.1 10.7



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: 4.943 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV016082.D

Acq: 15 May 2020 10:40

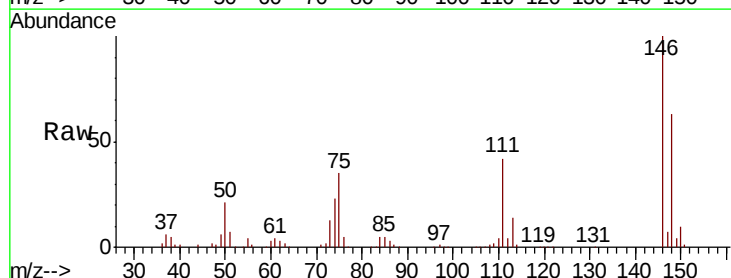
Tgt Ion:146 Resp: 105487

Ion Ratio Lower Upper

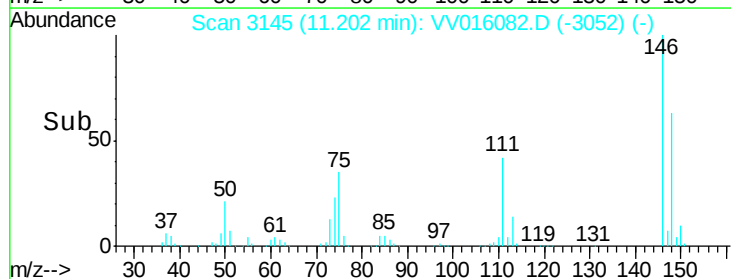
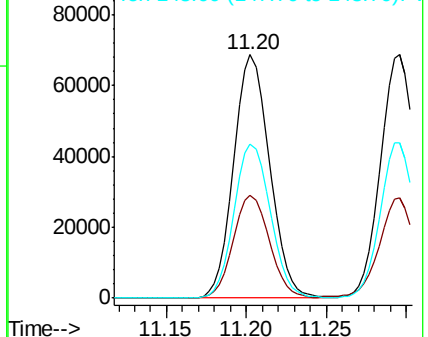
146 100

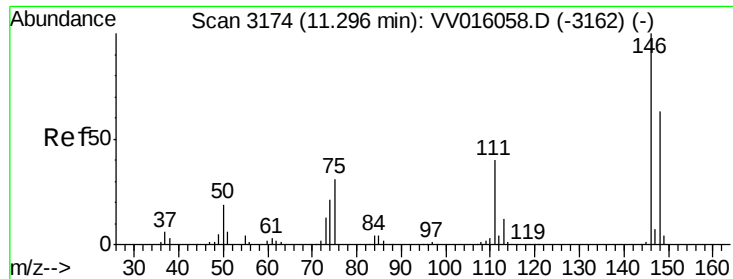
111 42.4 28.7 53.3

148 63.2 44.0 81.8



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: 5.015 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV016082.D

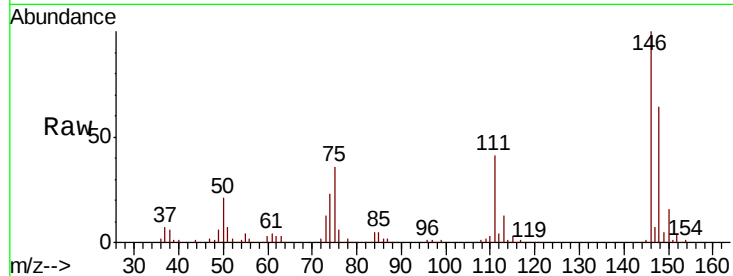
Acq: 15 May 2020 10:40

Instrument :

MSVOA_V

ClientSampled :

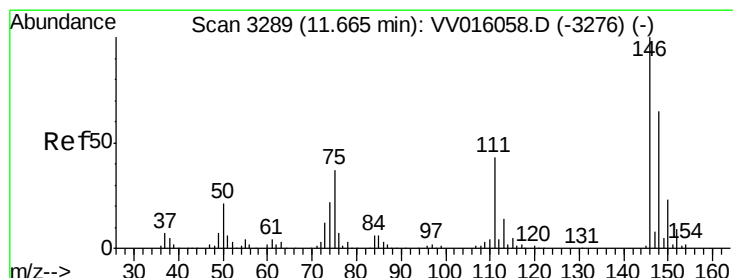
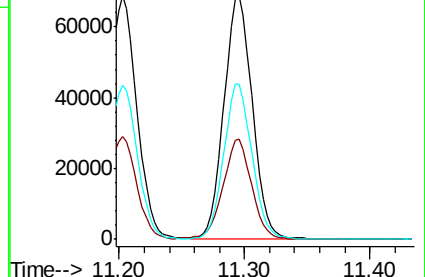
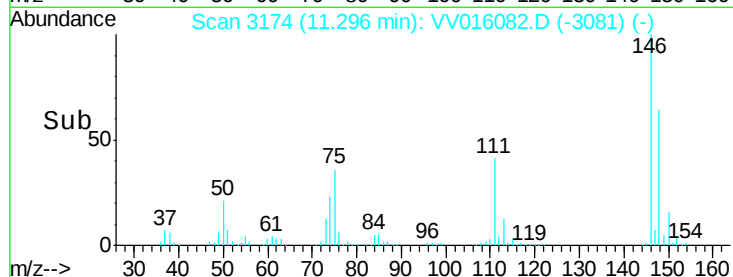
Tot Ion:146	Resp:	107506
Ion Ratio	Lower	Upper
146	100	
111	41.1	28.9 53.7
148	63.6	44.6 82.8



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: 5.038 ug/L

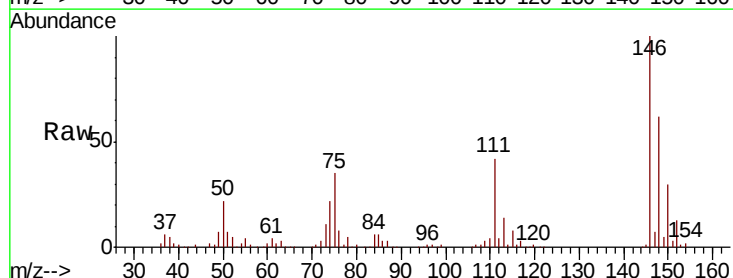
RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV016082.D

Acq: 15 May 2020 10:40

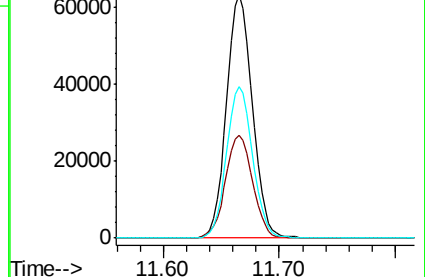
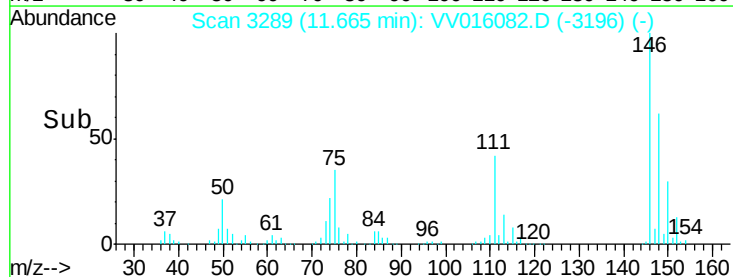
Tgt Ion:146	Resp:	97300
Ion Ratio	Lower	Upper
146	100	
111	42.3	37.0 55.4
148	62.4	49.8 74.6

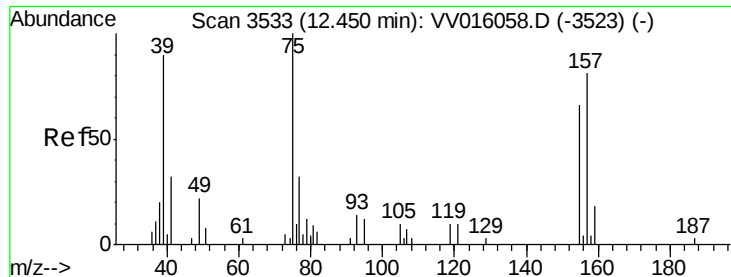


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

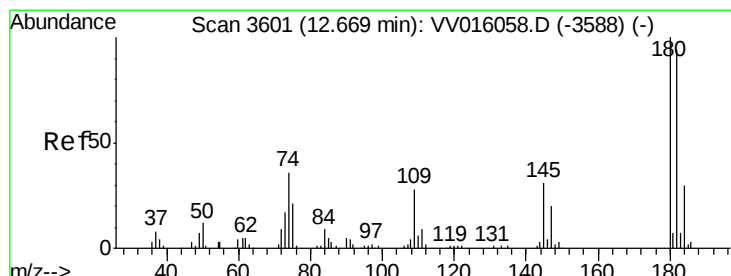
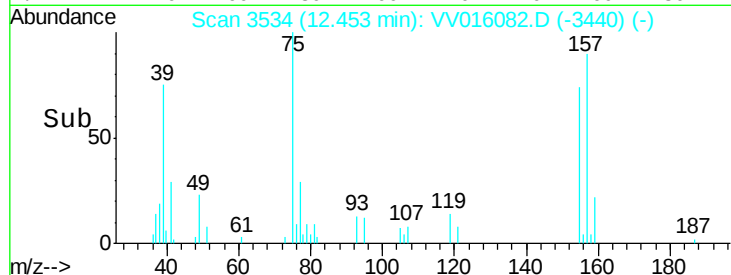
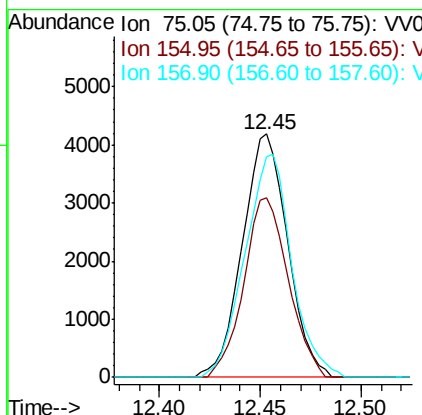
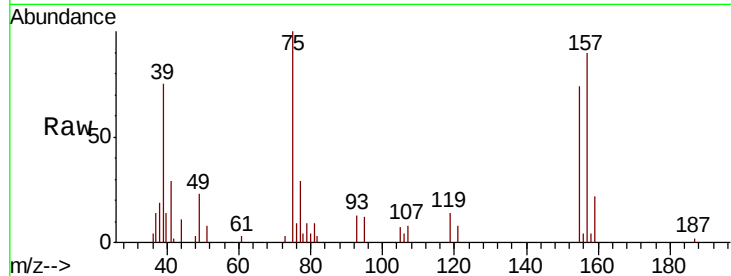




#67
 1,2-Dibromo-3-chloropropane
 Concen: 5.230 ug/L
 RT: 12.45 min Scan# 3534
 Delta R.T. 0.00 min
 Lab File: VV016082.D
 Acq: 15 May 2020 10:40

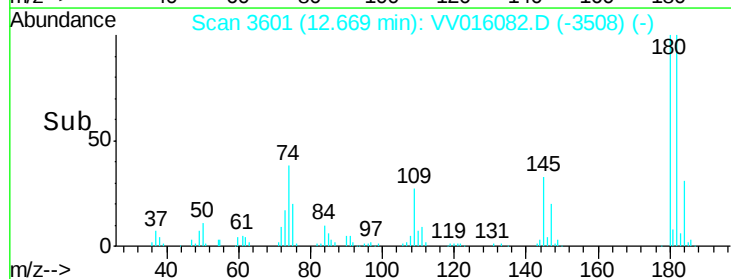
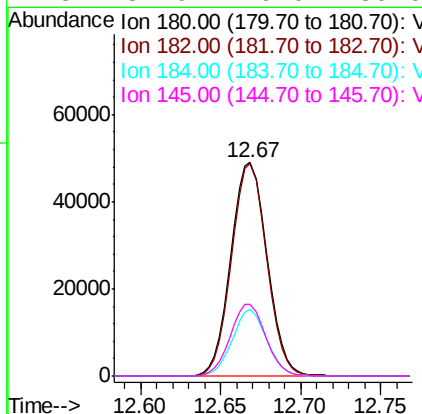
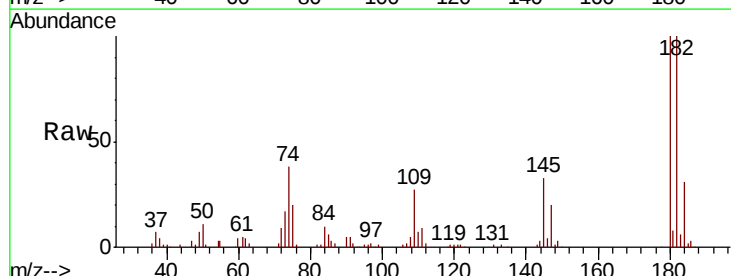
Instrument :
 MSVOA_V
 ClientSampled :

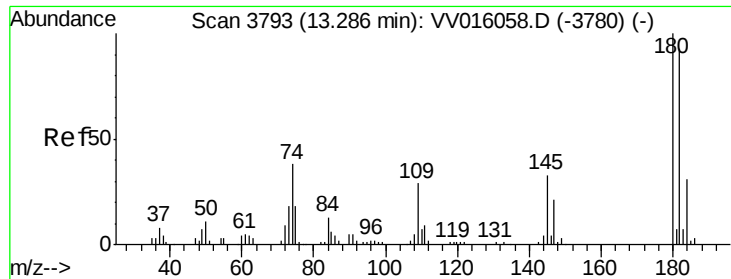
Tot Ion: 75 Resp: 6593
 Ion Ratio Lower Upper
 75 100
 155 73.8 58.2 87.4
 157 90.5 79.4 119.2



#68
 1,3,5-Trichlorobenzene
 Concen: 4.844 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV016082.D
 Acq: 15 May 2020 10:40

Tgt Ion: 180 Resp: 75579
 Ion Ratio Lower Upper
 180 100
 182 96.3 75.8 113.6
 184 29.4 24.6 36.8
 145 32.9 26.0 39.0

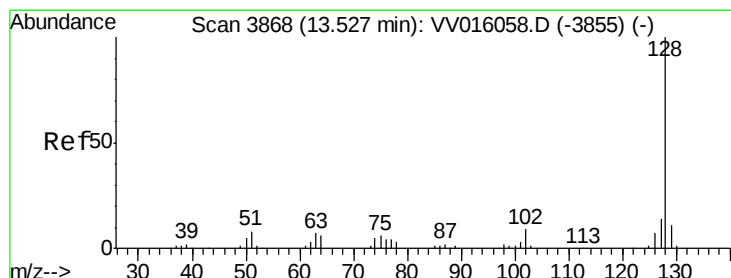
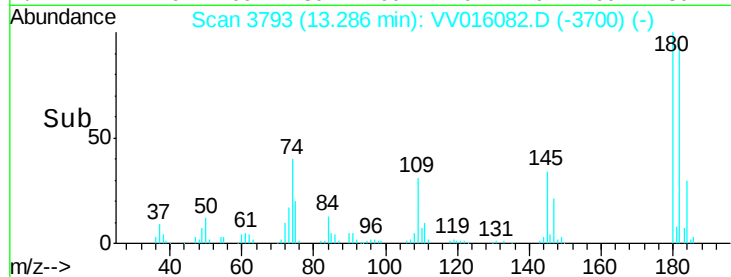
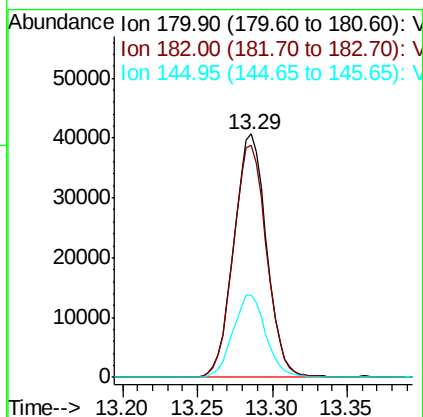
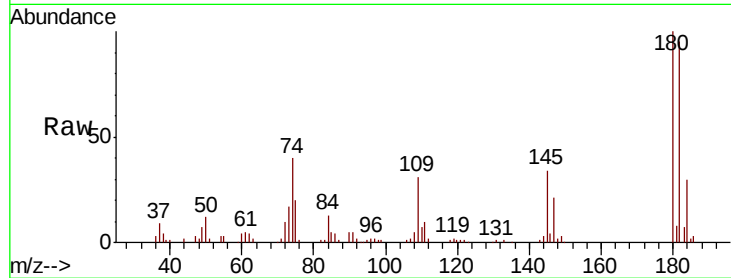




#69
 1,2,4-trichlorobenzene
 Concen: 4.621 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV016082.D
 Acq: 15 May 2020 10:40

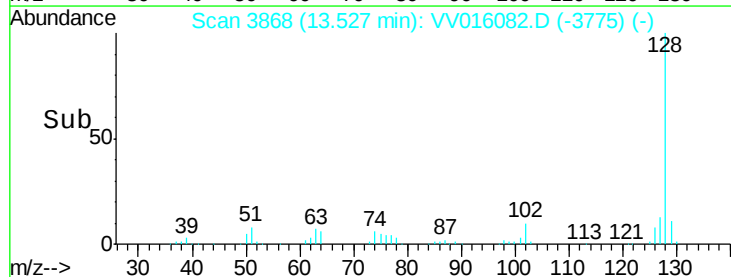
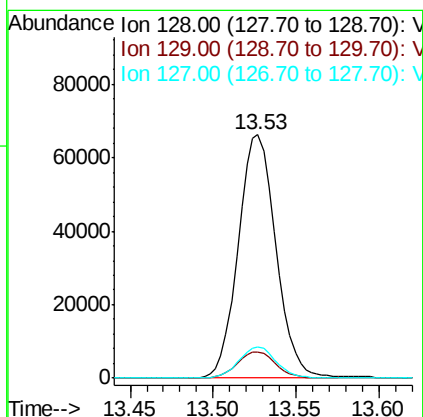
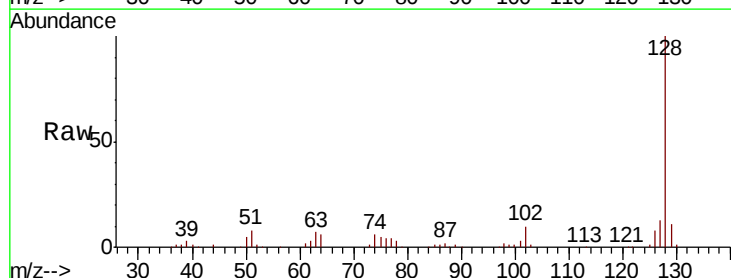
Instrument :
 MSVOA_V
 ClientSampled :

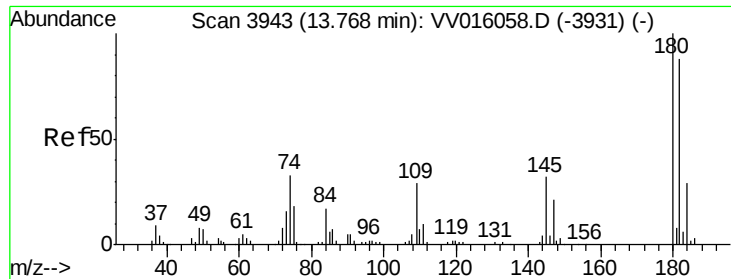
Tot Ion:180 Resp: 61944
 Ion Ratio Lower Upper
 180 100
 182 97.0 76.7 115.1
 145 34.1 26.4 39.6



#70
 Naphthalene
 Concen: 4.906 ug/L
 RT: 13.53 min Scan# 3868
 Delta R.T. 0.00 min
 Lab File: VV016082.D
 Acq: 15 May 2020 10:40

Tgt Ion:128 Resp: 104607
 Ion Ratio Lower Upper
 128 100
 129 10.9 8.5 12.7
 127 12.7 10.2 15.2





#71
 1,2,3-Trichlorobenzene
 Concen: 4.849 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV016082.D
 Acq: 15 May 2020 10:40

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 57341
 Ion Ratio Lower Upper
 180 100
 182 94.7 77.0 115.6
 145 35.9 28.3 42.5

