

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV053120\
 Data File : VV016375.D
 Acq On : 31 May 2020 09:16
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 01 07:12:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR053020WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jun 01 05:08:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	79690	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	77811	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	38326	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	32435	4.65	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.00%
7) Chloroethane-d5	1.58	69	24044	4.53	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.60%
11) 1,1-Dichloroethene-d2	2.12	63	57169	4.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.80%
20) 2-Butanone-d5	3.96	46	73321	48.71	ug/L	0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.42%
24) Chloroform-d	4.38	84	58331	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
26) 1,2-Dichloroethane-d4	5.06	65	31149	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.40%
32) Benzene-d6	5.07	84	109629	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
36) 1,2-Dichloropropane-d6	6.10	67	33586	4.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.40%
41) Toluene-d8	7.33	98	102438	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.40%
45) trans-1,3-Dichloropropene-	7.65	79	11688	4.74	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.80%
48) 2-Hexanone-d5	8.12	63	58358	50.94	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.88%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	24454	5.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.40%
65) 1,2-Dichlorobenzene-d4	11.65	152	33924	4.77	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	32547	5.010	ug/L 97
3) Chloromethane	1.25	50	36005	4.526	ug/L 97
5) Vinyl chloride	1.32	62	33922	4.772	ug/L 99
6) Bromomethane	1.53	94	15919	3.986	ug/L 94
8) Chloroethane	1.60	64	19941	4.656	ug/L 99
9) Trichlorofluoromethane	1.77	101	47682	4.953	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	25020	4.636	ug/L 99
12) 1,1-Dichloroethene	2.13	96	24588	4.794	ug/L 92
13) Acetone	2.26	43	23324	23.035	ug/L 47
14) Carbon disulfide	2.31	76	73020	4.682	ug/L 98
15) Methyl Acetate	2.47	43	10945	4.308	ug/L 93
16) Methylene chloride	2.52	84	26020	4.743	ug/L 99
17) Methyl tert-butyl Ether	2.79	73	61951	5.157	ug/L 98
18) trans-1,2-Dichloroethene	2.78	96	26266	4.825	ug/L 96
19) 1,1-Dichloroethane	3.21	63	48876	4.551	ug/L 99
21) 2-Butanone	4.04	43	74902	50.166	ug/L 99
22) cis-1,2-Dichloroethene	3.93	96	31274	5.205	ug/L 98

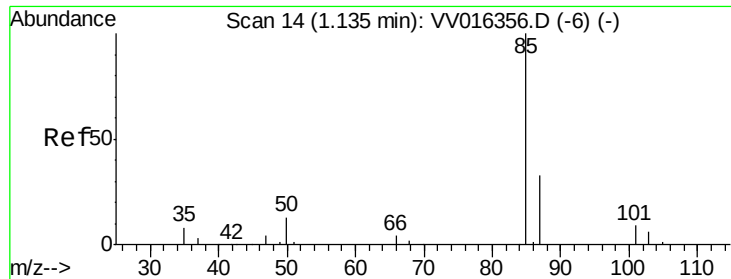
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV053120\
 Data File : VV016375.D
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jun 01 05:08:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	12986	5.538	ug/L	96
25) Chloroform	4.40	83	55487	5.156	ug/L	96
27) 1,2-Dichloroethane	5.16	62	37719	5.314	ug/L	100
29) 1,1,1-Trichloroethane	4.63	97	48137	5.248	ug/L	98
30) Cyclohexane	4.69	56	49537	5.016	ug/L	99
31) Carbon tetrachloride	4.85	117	40885	5.177	ug/L	100
33) Benzene	5.12	78	118483	5.142	ug/L	100
34) Trichloroethene	5.94	95	30863	5.109	ug/L	96
35) Methylcyclohexane	6.15	83	47916	4.925	ug/L	98
37) 1,2-Dichloropropane	6.20	63	29400	5.047	ug/L	100
38) Bromodichloromethane	6.53	83	35698	5.096	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	38308	4.978	ug/L	99
40) 4-Methyl-2-pentanone	7.26	43	189690	53.920	ug/L	100
42) Toluene	7.41	91	127198	5.194	ug/L	99
43) 1,3,5-Trimethylbenzene	10.56	105	111167	5.118	ug/L	98
44) 1,2,4-Trimethylbenzene	10.94	105	116317	5.256	ug/L	99
46) trans-1,3-Dichloropropene	7.67	75	31599	4.971	ug/L	98
47) 1,1,2-Trichloroethane	7.86	97	19268	5.171	ug/L	98
49) Tetrachloroethene	7.99	164	22195	5.010	ug/L	97
50) 2-Hexanone	8.17	43	135299	55.139	ug/L	100
51) Dibromochloromethane	8.27	129	19850	5.096	ug/L	99
52) 1,2-Dibromoethane	8.38	107	18604	5.283	ug/L #	100
53) Chlorobenzene	8.90	112	78213	5.088	ug/L	98
54) Ethylbenzene	9.03	91	141452	5.237	ug/L	100
55) m,p-xylene	9.16	106	52421	5.185	ug/L	100
56) o-xylene	9.56	106	49940	5.245	ug/L	98
57) Styrene	9.58	104	86539	5.323	ug/L	99
58) Isopropylbenzene	9.95	105	136347	5.255	ug/L	100
60) 1,1,2,2-Tetrachloroethane	10.26	83	23787	5.061	ug/L	98
62) Bromoform	9.75	173	8327	5.144	ug/L	100
63) 1,3-Dichlorobenzene	11.20	146	60600	5.133	ug/L	100
64) 1,4-Dichlorobenzene	11.29	146	60787	4.980	ug/L	100
66) 1,2-Dichlorobenzene	11.67	146	54586	4.967	ug/L	100
67) 1,2-Dibromo-3-chloropropan	12.45	75	3531	4.930	ug/L	89
68) 1,3,5-Trichlorobenzene	12.67	180	41388	4.869	ug/L	99
69) 1,2,4-trichlorobenzene	13.28	180	35089	4.808	ug/L	100
70) Naphthalene	13.53	128	73675	4.216	ug/L	99
71) 1,2,3-Trichlorobenzene	13.77	180	31949	4.907	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 5.010 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV016375.D

Acq: 31 May 2020 09:16

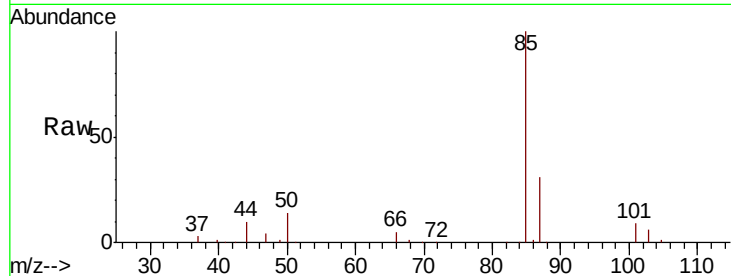
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 32547

Ion Ratio Lower Upper

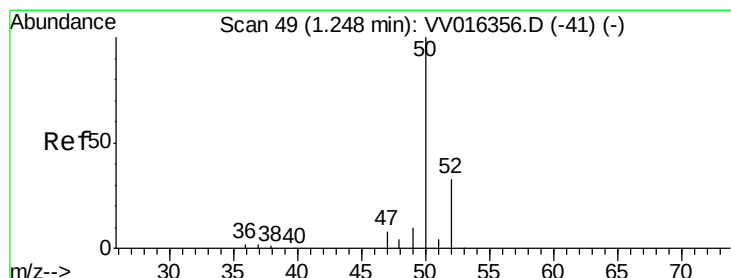
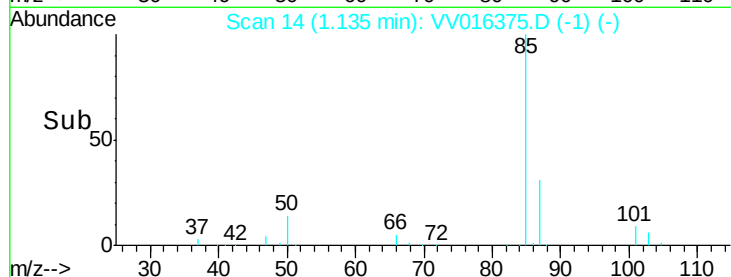
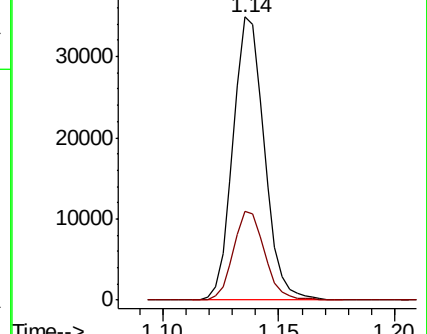
85 100

87 31.3 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 4.526 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV016375.D

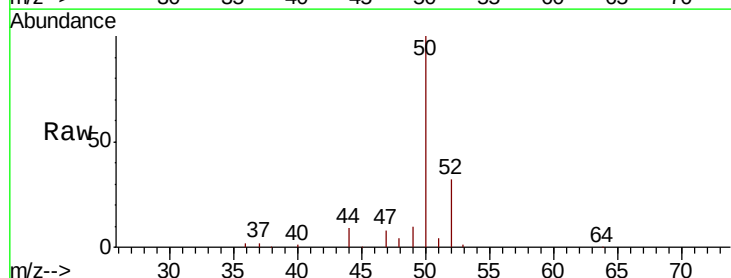
Acq: 31 May 2020 09:16

Tgt Ion: 50 Resp: 36005

Ion Ratio Lower Upper

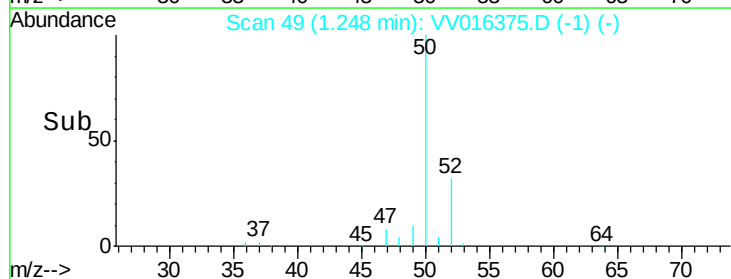
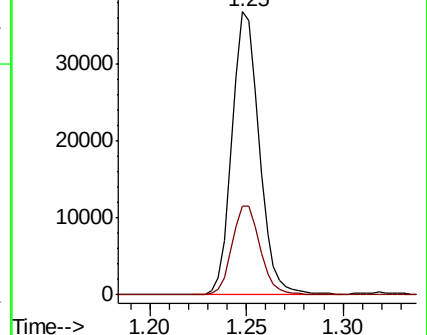
50 100

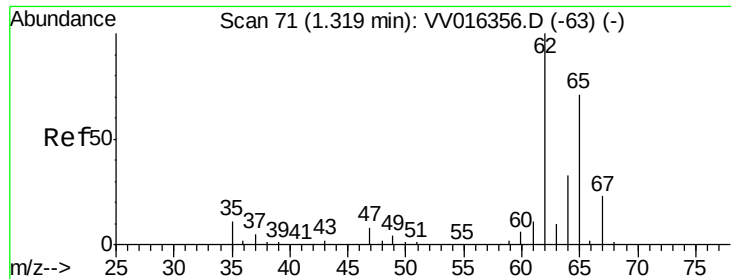
52 31.6 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 4.772 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV016375.D

Acq: 31 May 2020 09:16

Instrument :

MSVOA_V

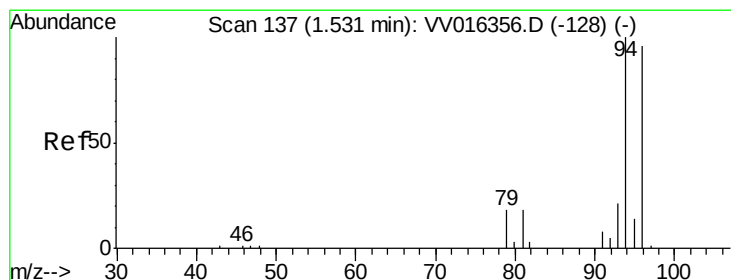
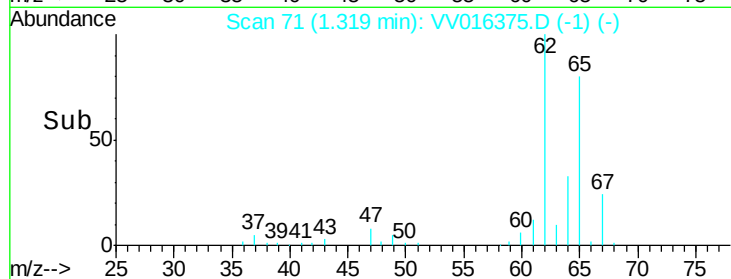
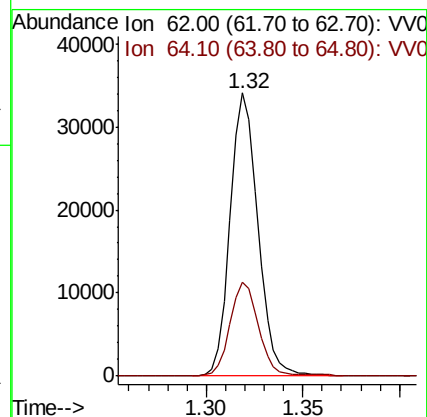
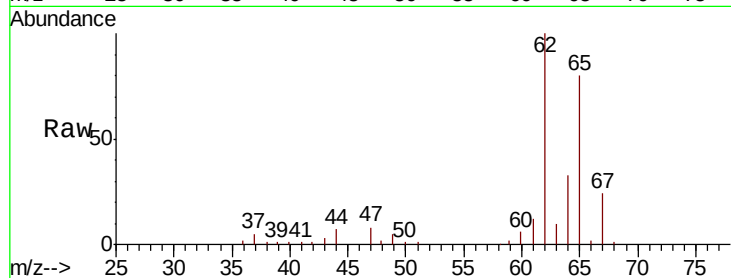
ClientSampleId :

Tot Ion: 62 Resp: 33922

Ion Ratio Lower Upper

62 100

64 33.4 23.1 42.9



#6

Bromomethane

Concen: 3.986 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV016375.D

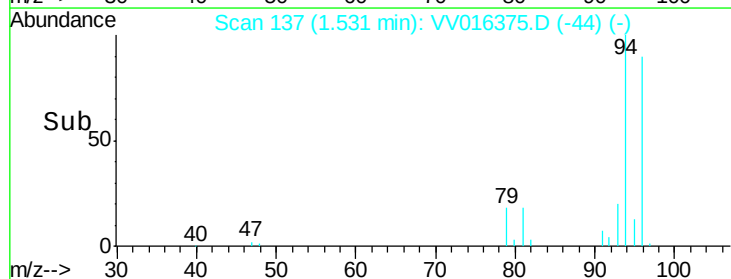
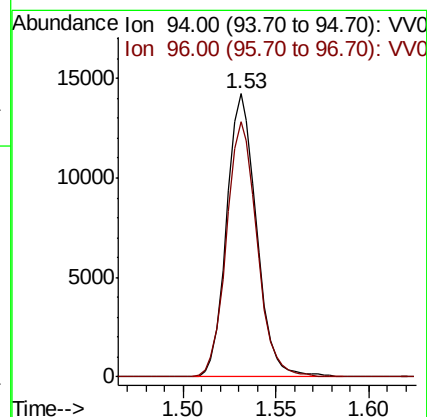
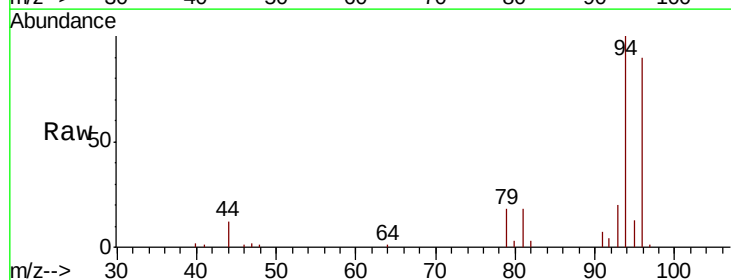
Acq: 31 May 2020 09:16

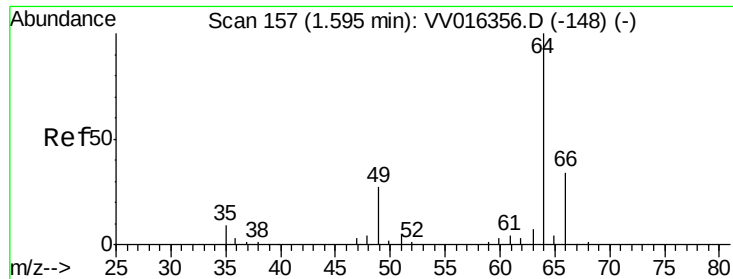
Tgt Ion: 94 Resp: 15919

Ion Ratio Lower Upper

94 100

96 90.3 67.0 124.4

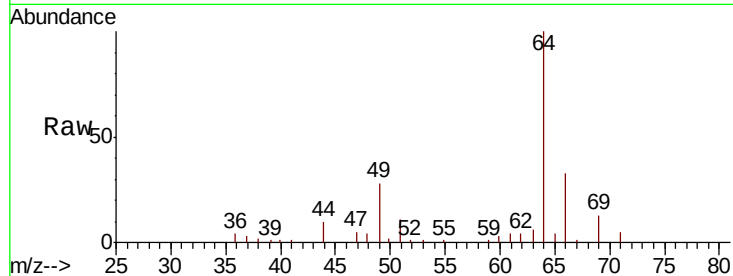




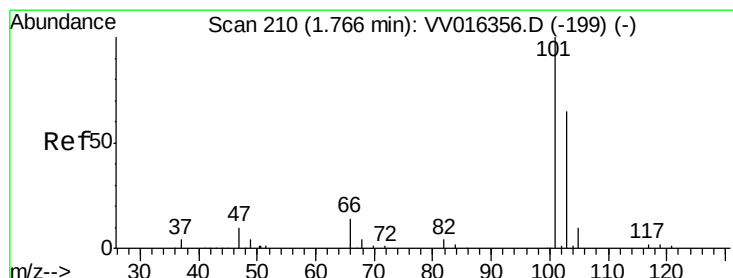
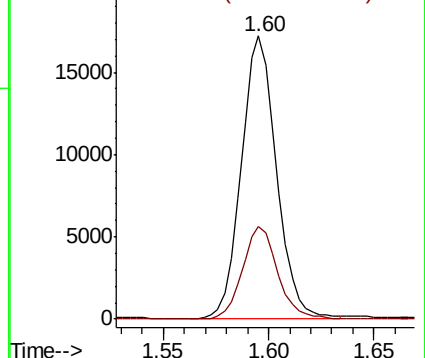
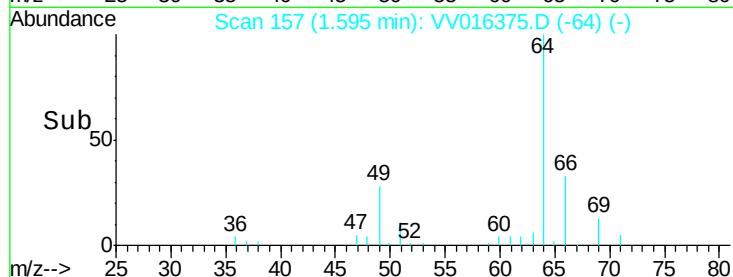
#8
Chloroethane
Concen: 4.656 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV016375.D
Acq: 31 May 2020 09:16

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 19941
Ion Ratio Lower Upper
64 100
66 32.9 23.4 43.6

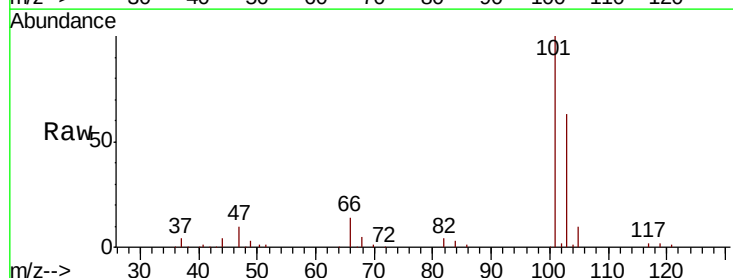


Abundance Ion 64.10 (63.80 to 64.80): VV016375.D (-64) (-)
Ion 66.05 (65.75 to 66.75): VV016375.D (-64) (-)

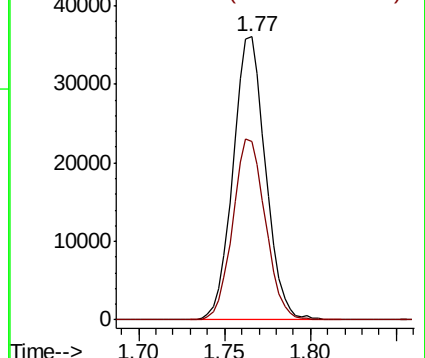
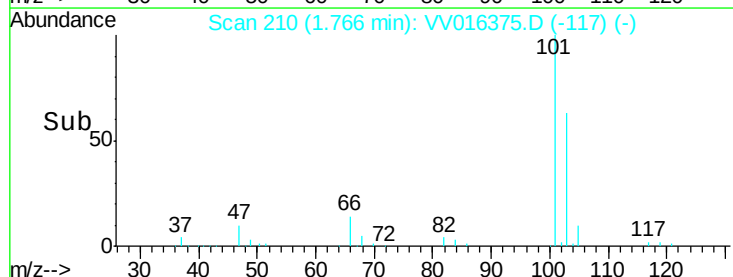


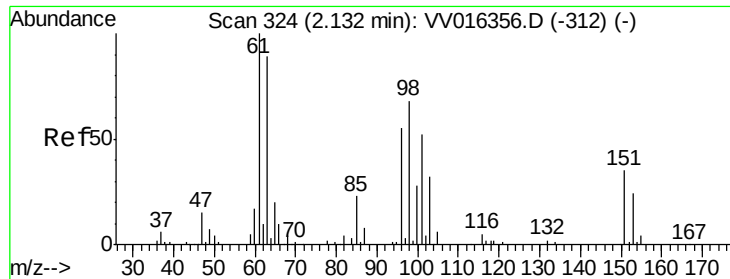
#9
Trichlorofluoromethane
Concen: 4.953 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV016375.D
Acq: 31 May 2020 09:16

Tgt Ion:101 Resp: 47682
Ion Ratio Lower Upper
101 100
103 64.2 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): VV016375.D (-117) (-)
Ion 103.00 (102.70 to 103.70): VV016375.D (-117) (-)





#10

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

Concen: 4.636 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV016375.D

Acq: 31 May 2020 09:16

Instrument :

MSVOA_V

ClientSampleId :

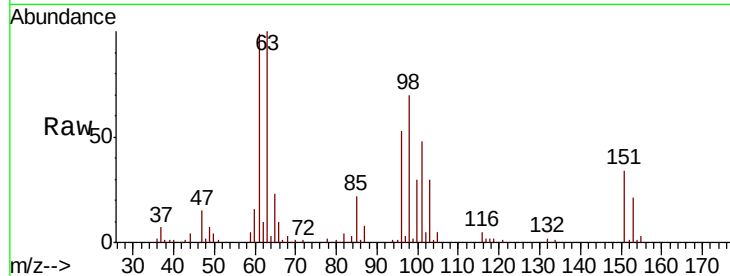
Tot Ion:101 Resp: 25020

Ion Ratio Lower Upper

101 100

85 45.1 35.7 53.5

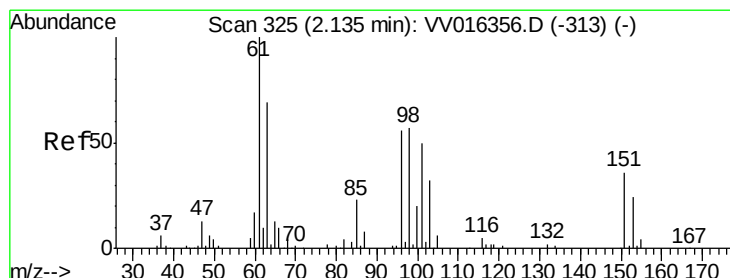
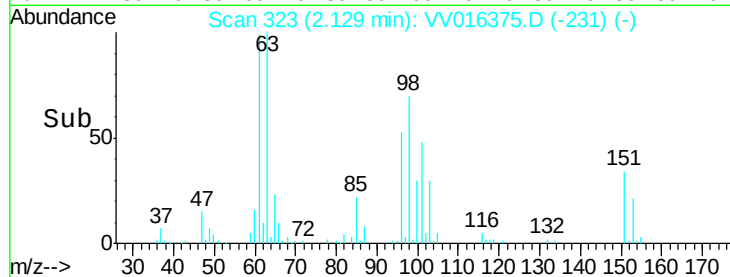
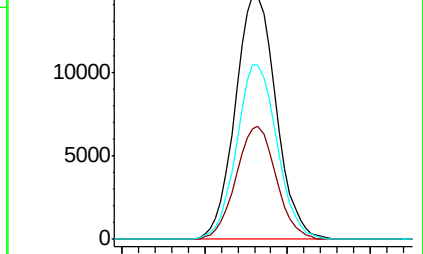
151 70.9 57.2 85.8



Abundance Ion 101.00 (100.70 to 101.70): VV016375.D (-231) (-)

Ion 85.00 (84.70 to 85.70): VV016375.D (-231) (-)

Ion 151.00 (150.70 to 151.70): VV016375.D (-231) (-)



#12

1,1-Dichloroethene

Concen: 4.794 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV016375.D

Acq: 31 May 2020 09:16

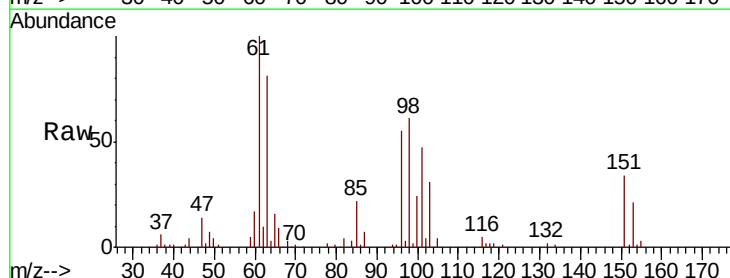
Tgt Ion: 96 Resp: 24588

Ion Ratio Lower Upper

96 100

61 180.9 125.4 233.0

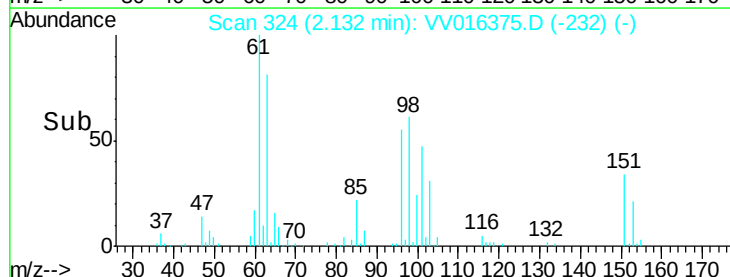
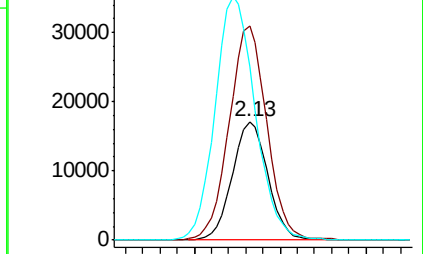
63 146.3 88.2 163.8

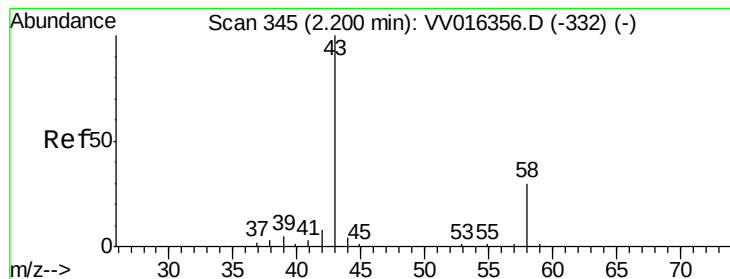


Abundance Ion 96.00 (95.70 to 96.70): VV016375.D (-232) (-)

Ion 61.05 (60.75 to 61.75): VV016375.D (-232) (-)

Ion 63.00 (62.70 to 63.70): VV016375.D (-232) (-)





#13

Acetone

Concen: 23.035 ug/L

RT: 2.26 min Scan# 363

Delta R.T. 0.06 min

Lab File: VV016375.D

Acq: 31 May 2020 09:16

Instrument :

MSVOA_V

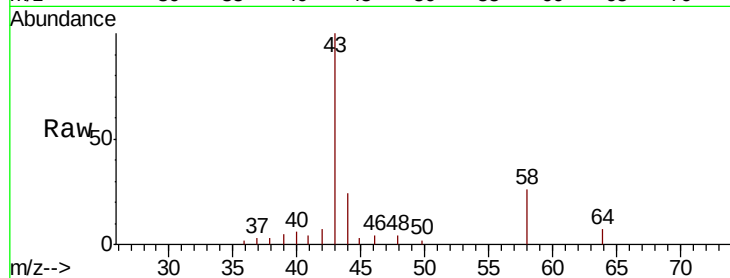
ClientSampleId :

Tot Ion: 43 Resp: 23324

Ion Ratio Lower Upper

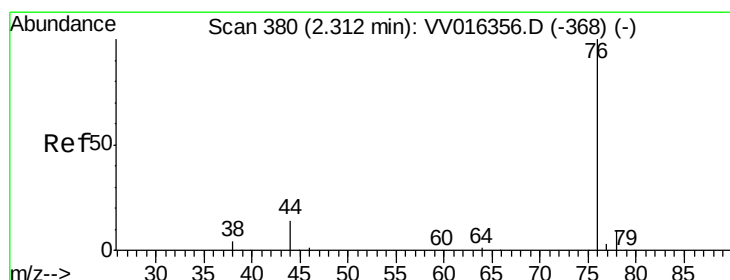
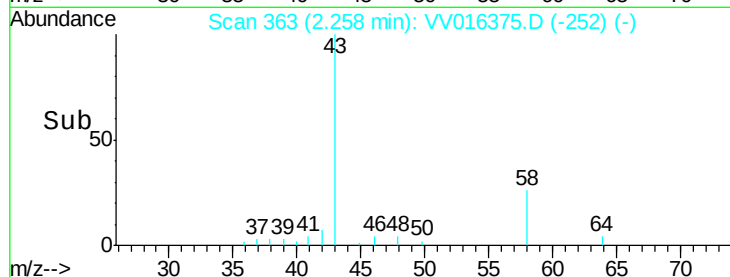
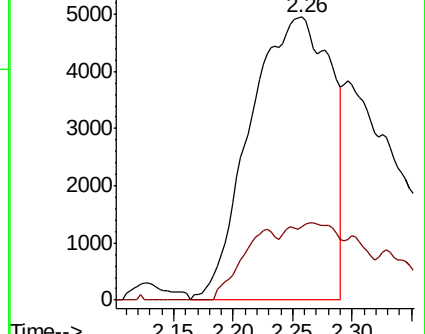
43 100

58 0.9 0.0 59.2



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 4.682 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV016375.D

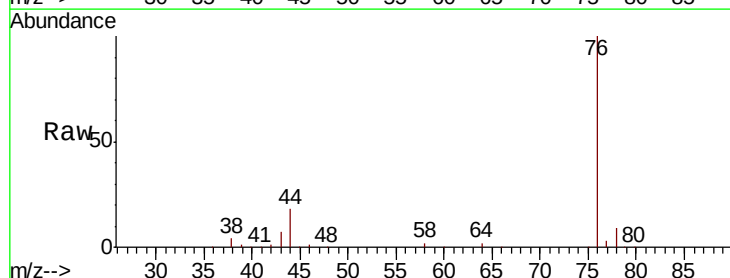
Acq: 31 May 2020 09:16

Tgt Ion: 76 Resp: 73020

Ion Ratio Lower Upper

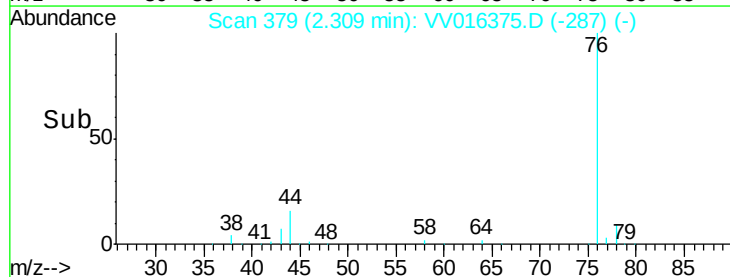
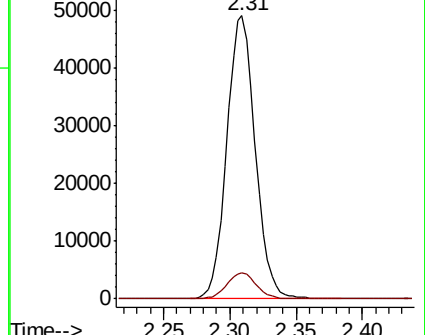
76 100

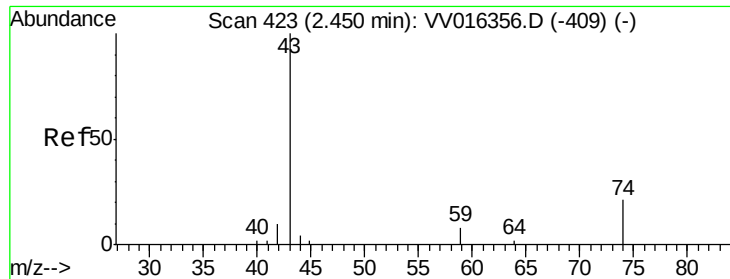
78 9.3 6.8 10.2



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0





#15

Methvl Acetate

Concen: 4.308 ug/L

RT: 2.47 min Scan# 428

Delta R.T. 0.02 min

Lab File: VV016375.D

Acq: 31 May 2020 09:16

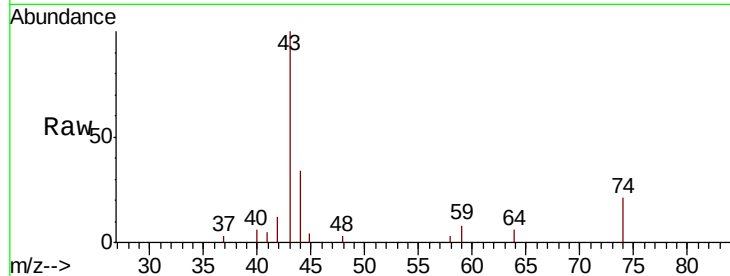
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 10945

Ion Ratio Lower Upper

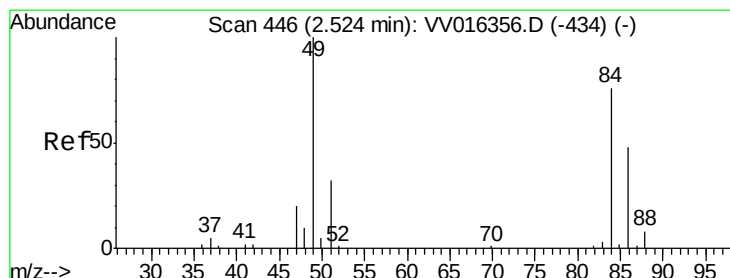
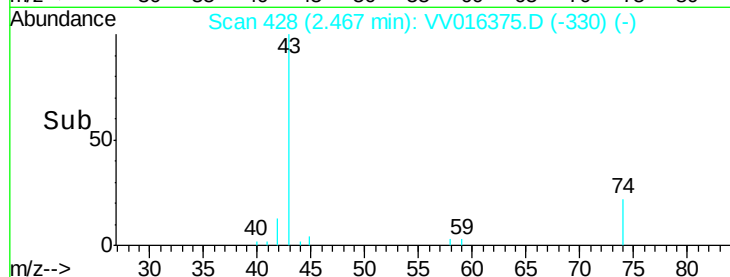
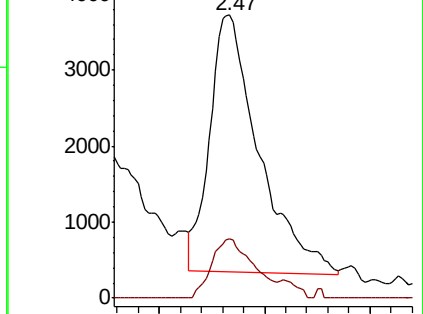
43 100

74 19.8 18.6 28.0



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 4.743 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV016375.D

Acq: 31 May 2020 09:16

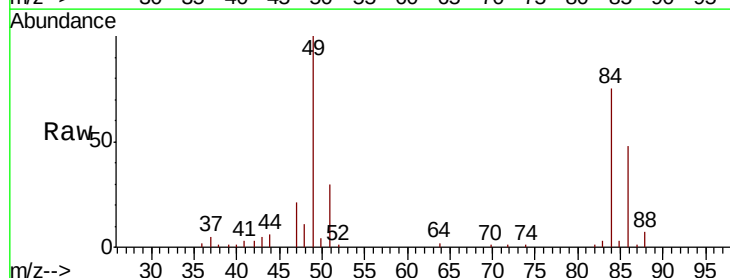
Tgt Ion: 84 Resp: 26020

Ion Ratio Lower Upper

84 100

86 63.4 44.5 82.7

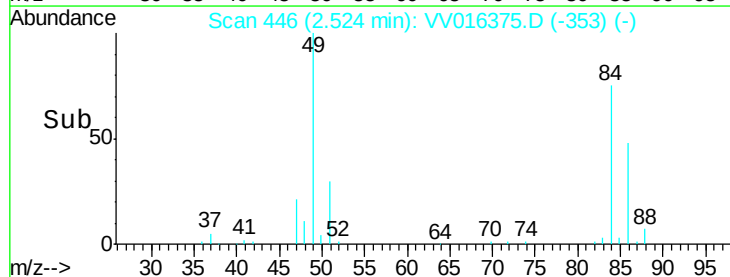
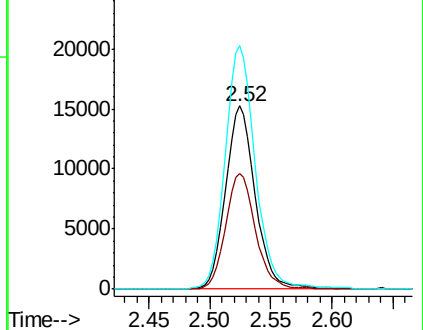
49 133.1 92.3 171.3

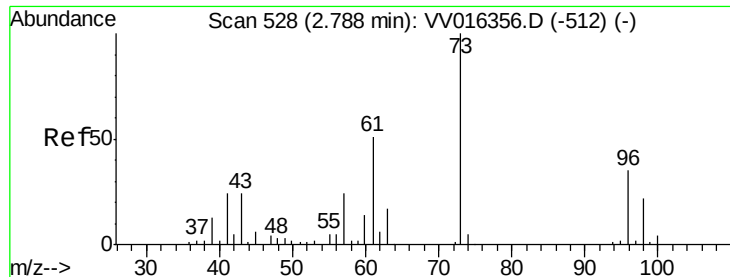


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

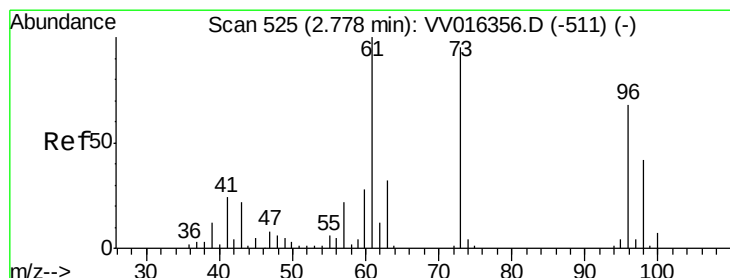
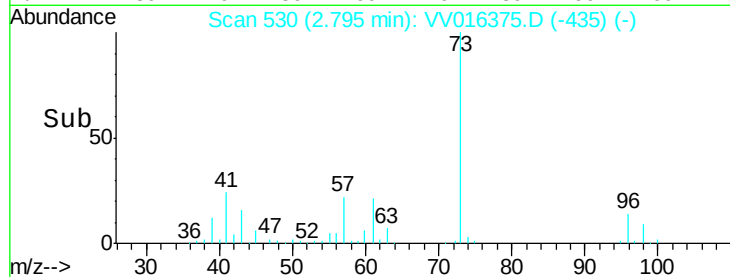
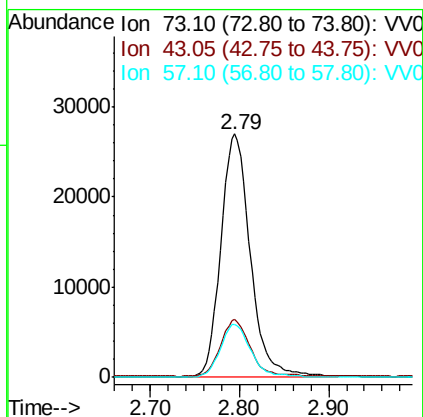
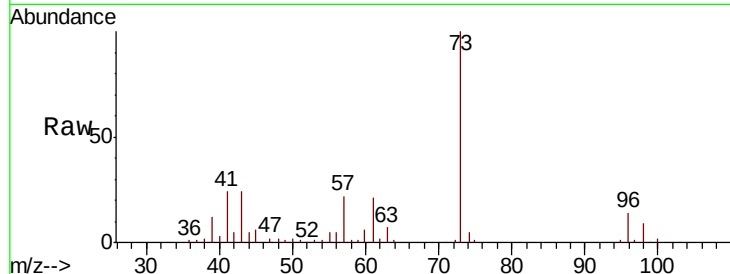




#17
Methyl tert-butyl Ether
Concen: 5.157 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.01 min
Lab File: VV016375.D
Acq: 31 May 2020 09:16

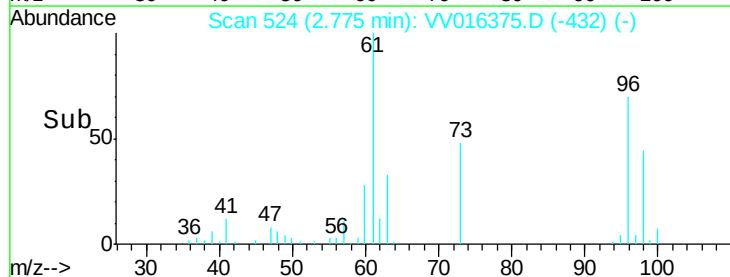
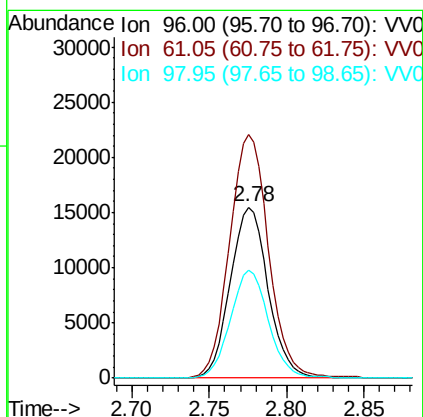
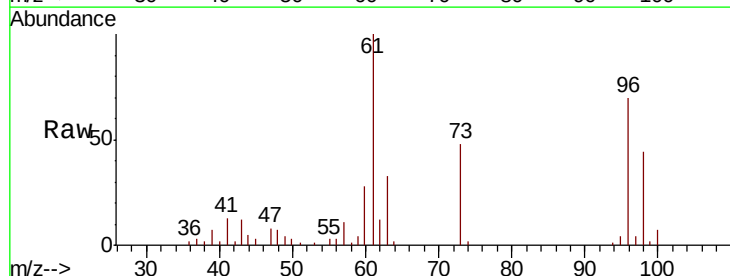
Instrument :
MSVOA_V
ClientSampleId :

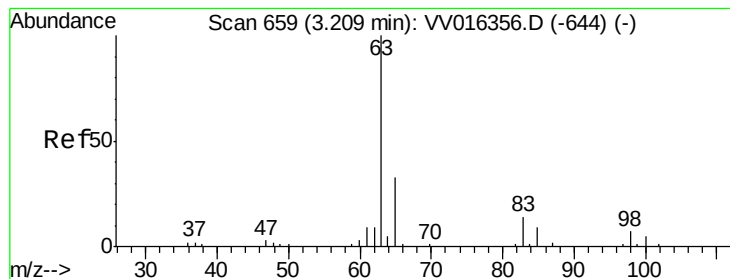
Tot Ion: 73 Resp: 61951
Ion Ratio Lower Upper
73 100
43 23.0 19.4 29.0
57 22.5 18.4 27.6



#18
trans-1,2-Dichloroethene
Concen: 4.825 ug/L
RT: 2.78 min Scan# 524
Delta R.T. -0.00 min
Lab File: VV016375.D
Acq: 31 May 2020 09:16

Tgt Ion: 96 Resp: 26266
Ion Ratio Lower Upper
96 100
61 142.2 103.1 191.5
98 63.2 43.0 79.8





#19

1,1-Dichloroethane

Concen: 4.551 ug/L

RT: 3.21 min Scan# 659

Delta R.T. 0.00 min

Lab File: VV016375.D

Acq: 31 May 2020 09:16

Instrument :

MSVOA_V

ClientSampleId :

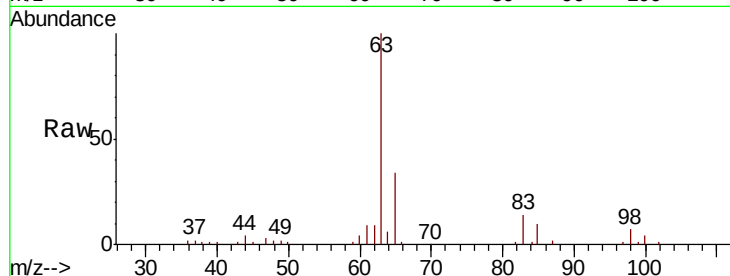
Tot Ion: 63 Resp: 48876

Ion Ratio Lower Upper

63 100

65 34.0 23.3 43.3

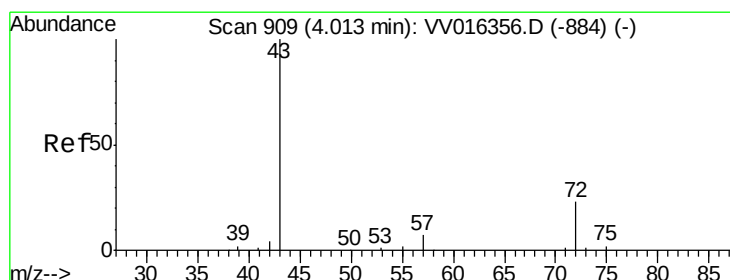
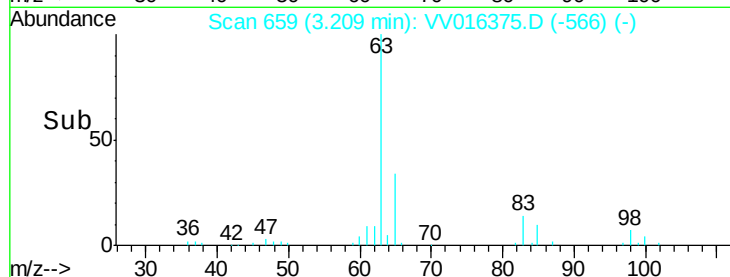
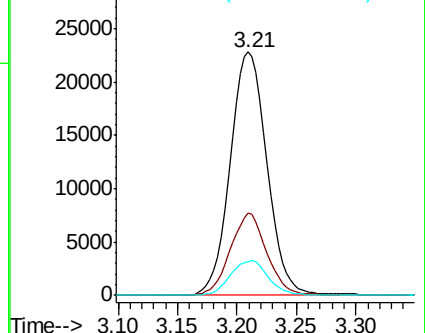
83 13.9 9.9 18.3



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: 50.166 ug/L

RT: 4.04 min Scan# 918

Delta R.T. 0.03 min

Lab File: VV016375.D

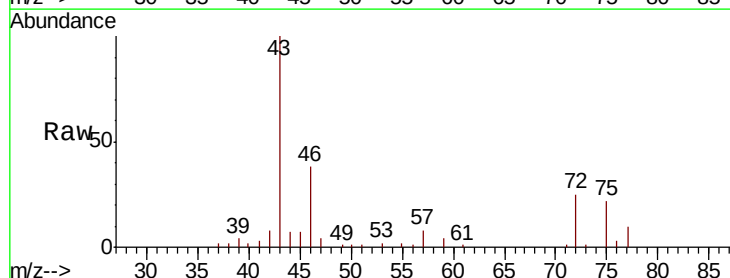
Acq: 31 May 2020 09:16

Tgt Ion: 43 Resp: 74902

Ion Ratio Lower Upper

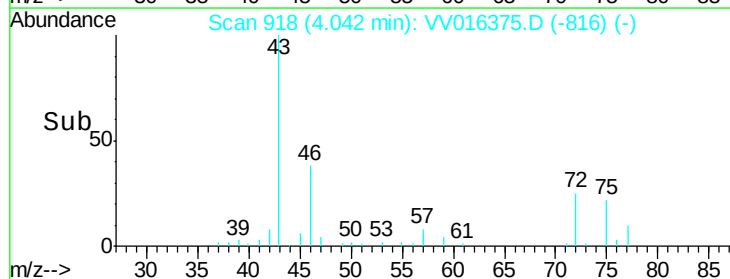
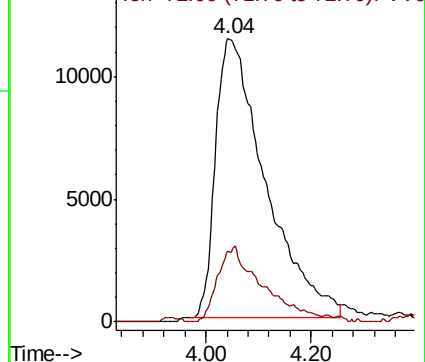
43 100

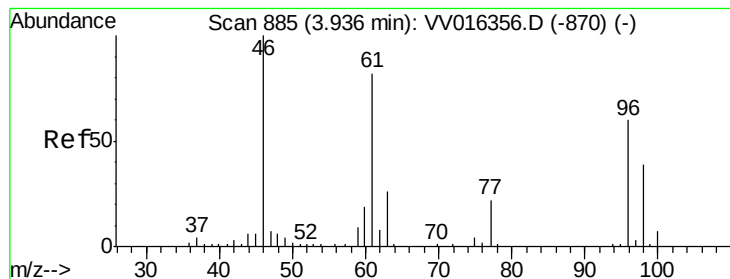
72 22.0 11.2 33.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 72.00 (71.70 to 72.70): VV0



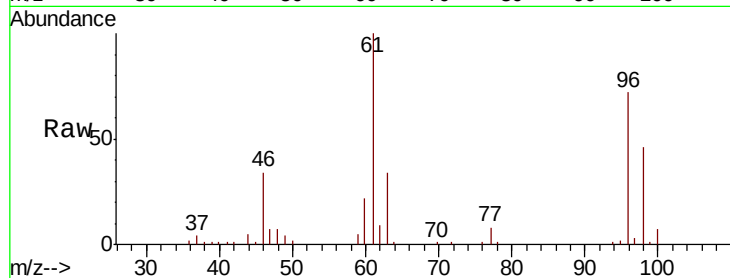


#22

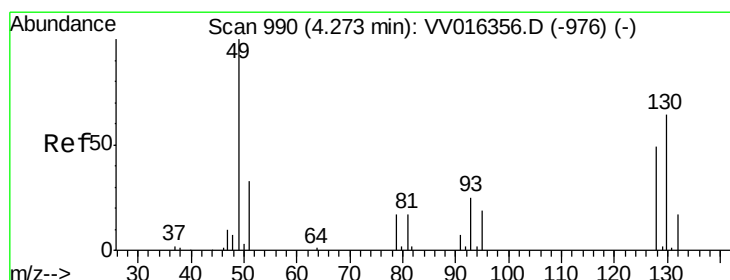
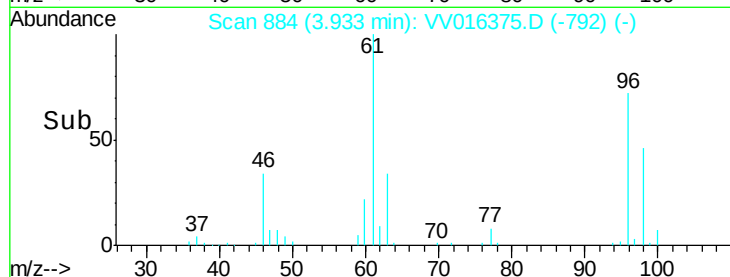
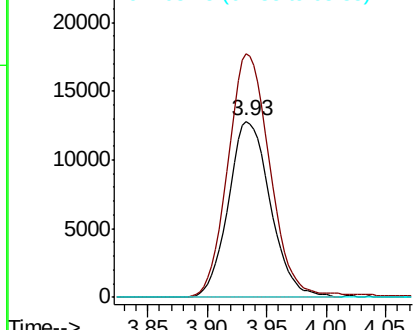
cis-1,2-Dichloroethene
 Concen: 5.205 ug/L
 RT: 3.93 min Scan# 884
 Delta R.T. -0.00 min
 Lab File: VV016375.D
 Acq: 31 May 2020 09:16

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 96 Resp: 31274
 Ion Ratio Lower Upper
 96 100
 61 138.3 94.8 176.0
 68 0.0 0.0 0.0



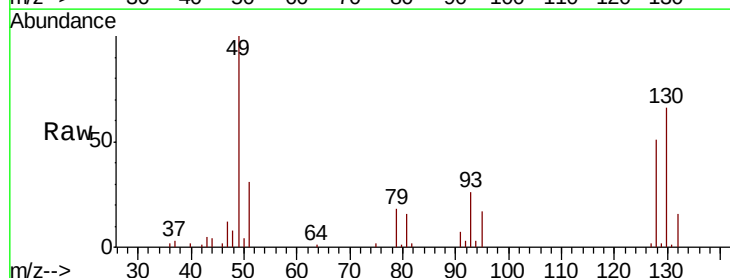
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



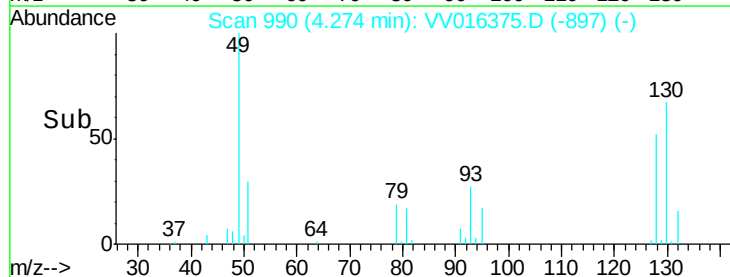
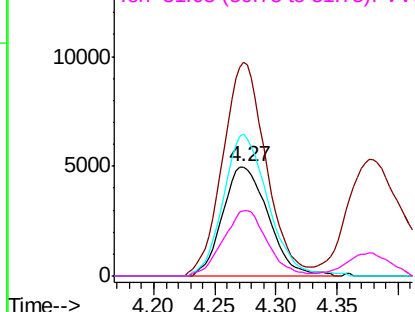
#23

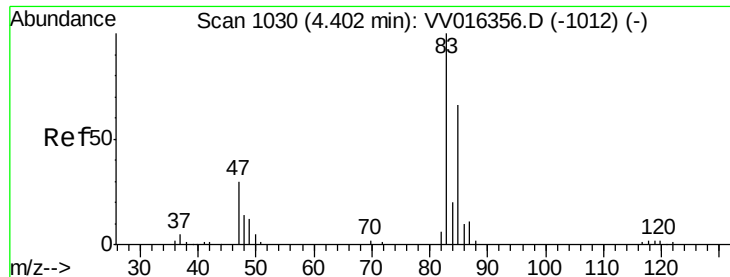
Bromochloromethane
 Concen: 5.538 ug/L
 RT: 4.27 min Scan# 990
 Delta R.T. 0.00 min
 Lab File: VV016375.D
 Acq: 31 May 2020 09:16

Tgt Ion: 128 Resp: 12986
 Ion Ratio Lower Upper
 128 100
 49 195.2 141.5 262.9
 130 129.7 90.4 167.8
 51 59.9 53.5 80.3



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

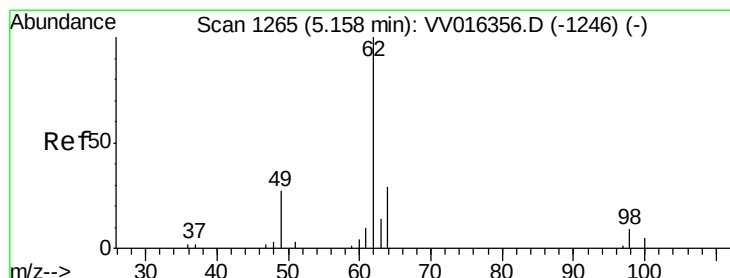
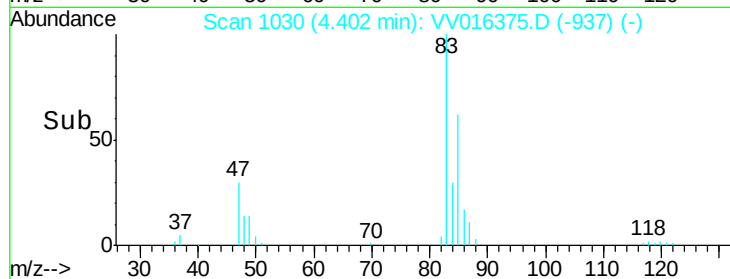
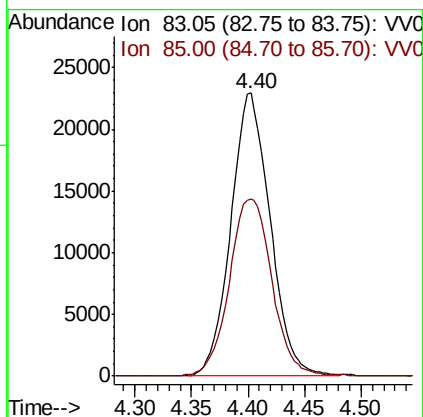
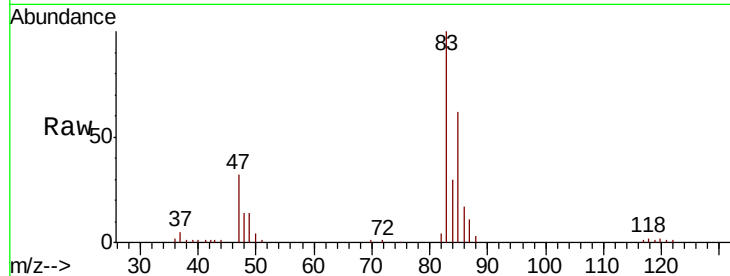




#25
Chloroform
Concen: 5.156 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV016375.D
Acq: 31 May 2020 09:16

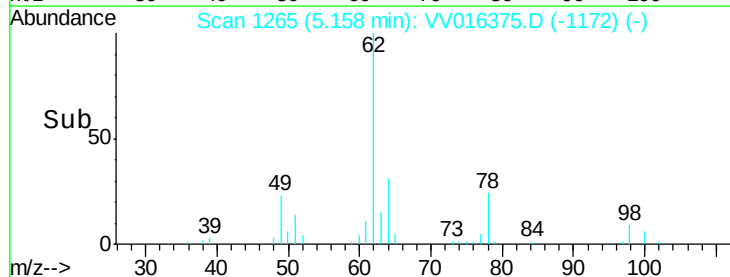
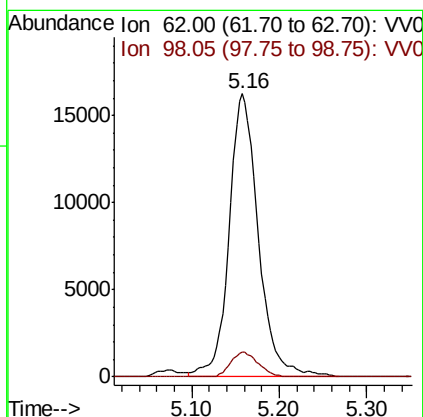
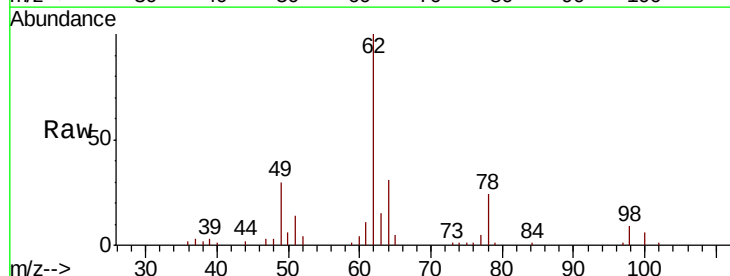
Instrument :
MSVOA_V
ClientSampled :

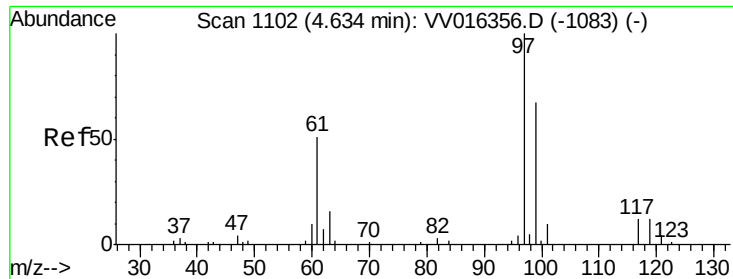
Tot Ion: 83 Resp: 55487
Ion Ratio Lower Upper
83 100
85 62.4 45.8 85.2



#27
1,2-Dichloroethane
Concen: 5.314 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV016375.D
Acq: 31 May 2020 09:16

Tgt Ion: 62 Resp: 37719
Ion Ratio Lower Upper
62 100
98 8.7 7.0 10.4

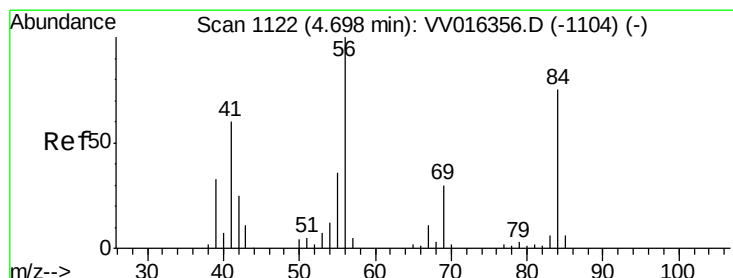
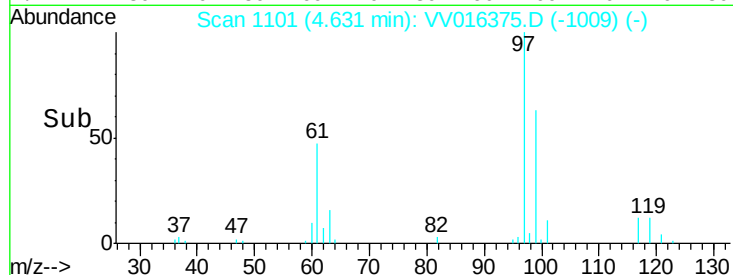
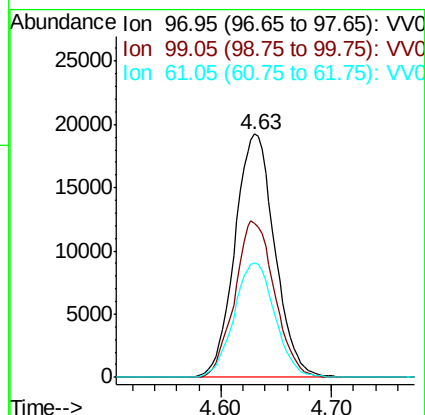
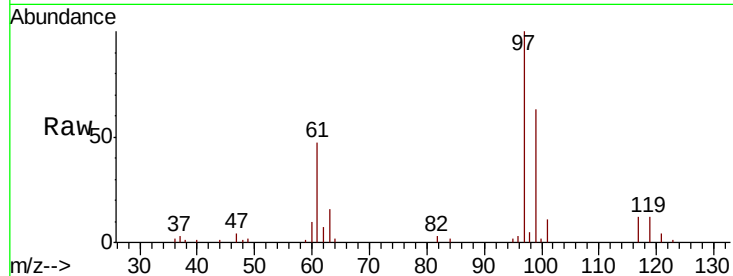




#29
 1,1,1-Trichloroethane
 Concen: 5.248 ug/L
 RT: 4.63 min Scan# 1101
 Delta R.T. -0.00 min
 Lab File: VV016375.D
 Acq: 31 May 2020 09:16

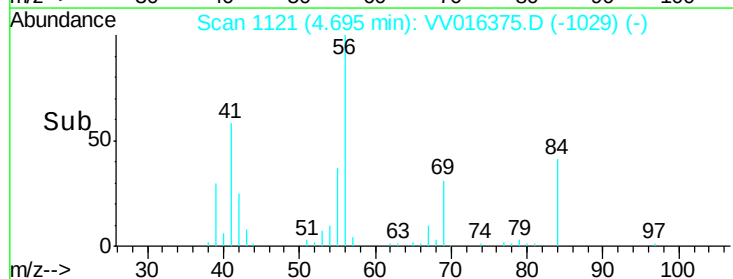
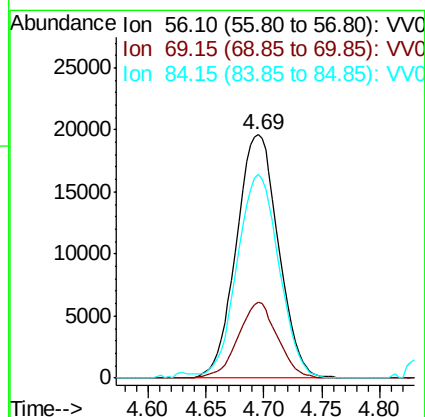
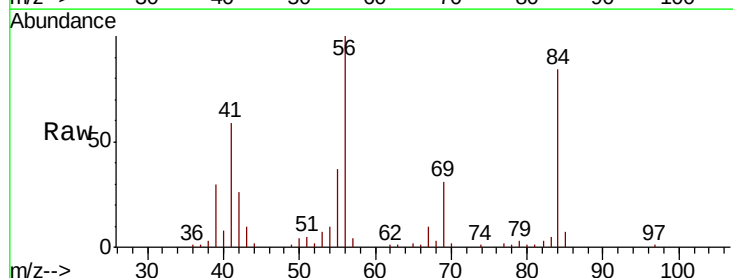
Instrument :
 MSVOA_V
 ClientSampleId :

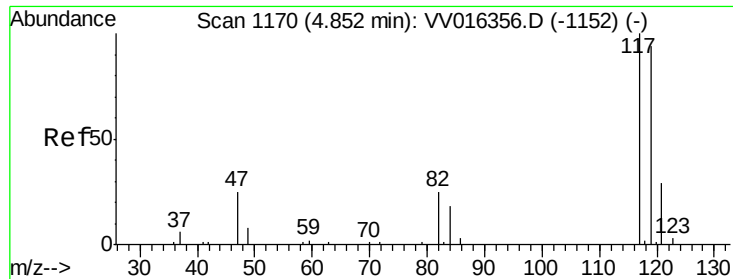
Tot Ion: 97 Resp: 48137
 Ion Ratio Lower Upper
 97 100
 99 63.9 52.0 78.0
 61 48.2 39.8 59.6



#30
 Cyclohexane
 Concen: 5.016 ug/L
 RT: 4.69 min Scan# 1121
 Delta R.T. -0.00 min
 Lab File: VV016375.D
 Acq: 31 May 2020 09:16

Tgt Ion: 56 Resp: 49537
 Ion Ratio Lower Upper
 56 100
 69 29.2 23.5 35.3
 84 83.3 65.8 98.8





#31

Carbon tetrachloride

Concen: 5.177 ug/L

RT: 4.85 min Scan# 1168

Delta R.T. -0.01 min

Lab File: VV016375.D

Acq: 31 May 2020 09:16

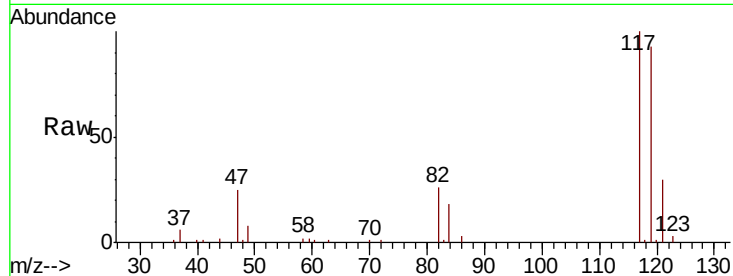
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 40885

Ion Ratio Lower Upper

117 100

119 94.4 75.3 112.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

20000

15000

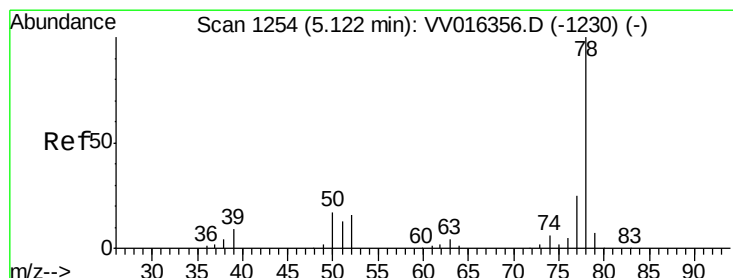
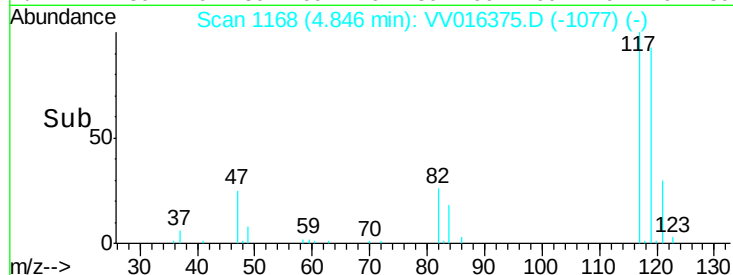
10000

5000

0

4.75 4.80 4.85 4.90 4.95

Time-->



#33

Benzene

Concen: 5.142 ug/L

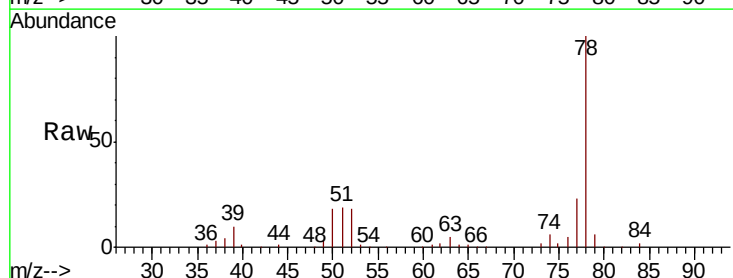
RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VV016375.D

Acq: 31 May 2020 09:16

Tgt Ion: 78 Resp: 118483



Abundance Ion 78.10 (77.80 to 78.80): VV0

60000

50000

40000

30000

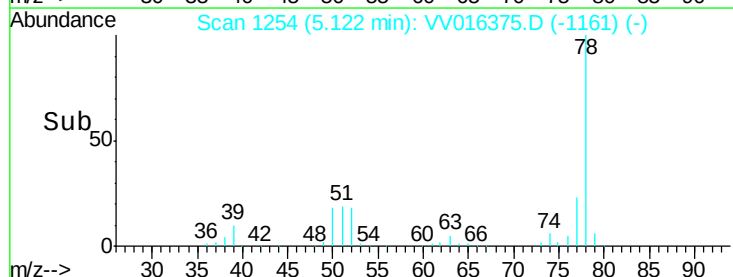
20000

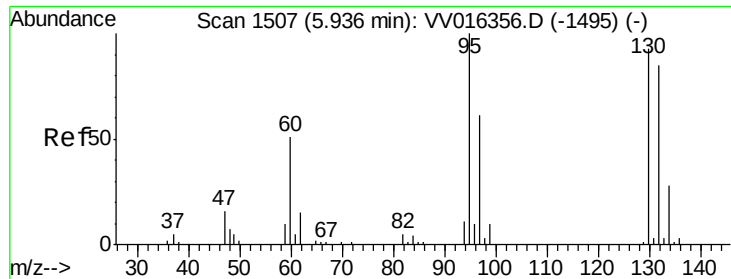
10000

0

5.00 5.10 5.20

Time-->

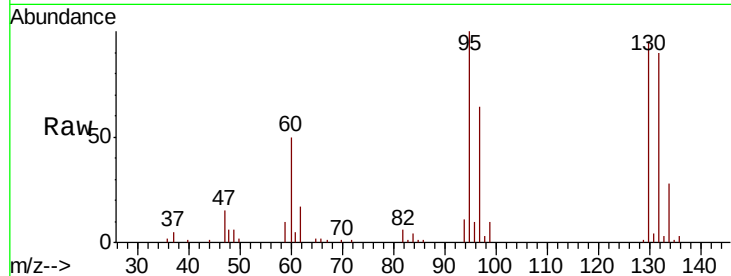




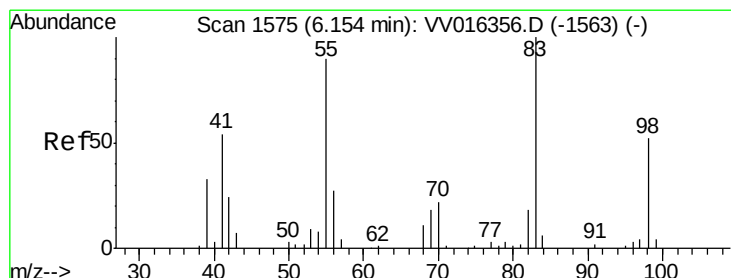
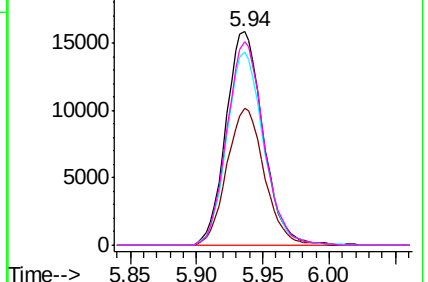
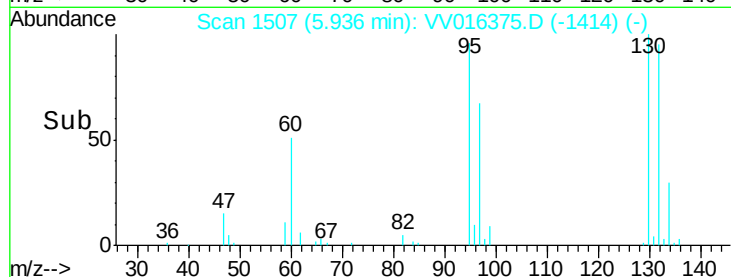
#34
 Trichloroethene
 Concen: 5.109 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV016375.D
 Acq: 31 May 2020 09:16

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 95 Resp: 30863
 Ion Ratio Lower Upper
 95 100
 97 64.2 42.6 79.0
 132 90.3 59.6 110.8
 130 95.1 64.8 120.4

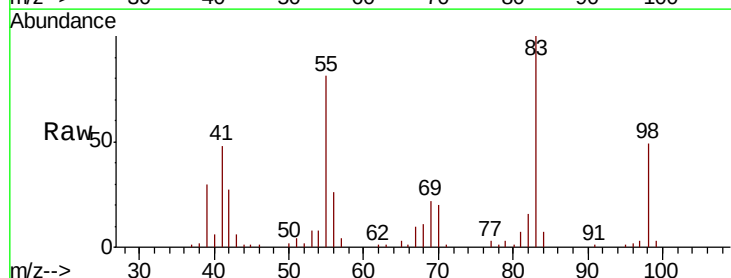


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

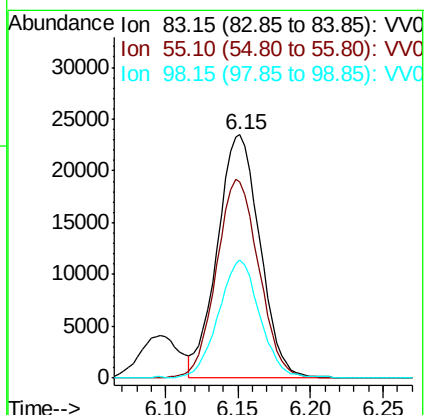
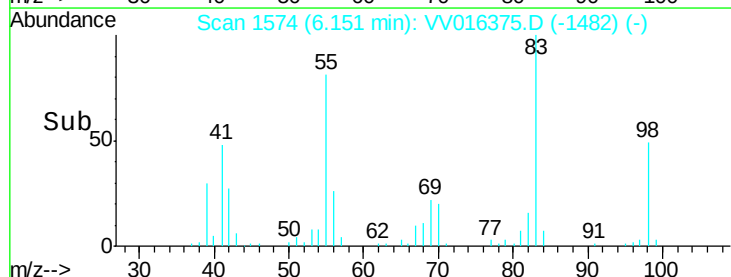


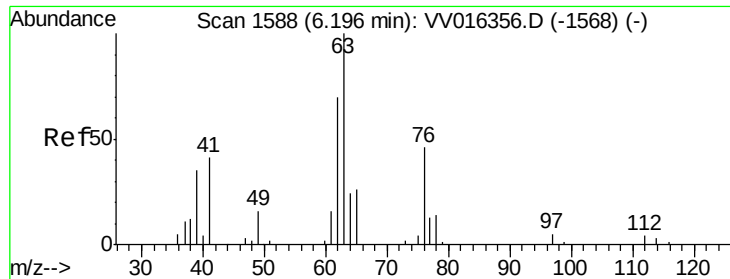
#35
 Methylcyclohexane
 Concen: 4.925 ug/L
 RT: 6.15 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VV016375.D
 Acq: 31 May 2020 09:16

Tgt Ion: 83 Resp: 47916
 Ion Ratio Lower Upper
 83 100
 55 81.5 67.0 100.4
 98 47.4 39.0 58.4



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

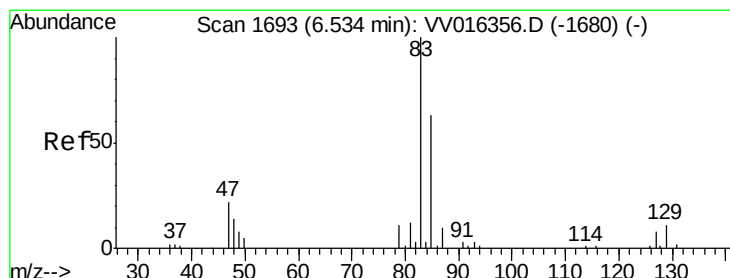
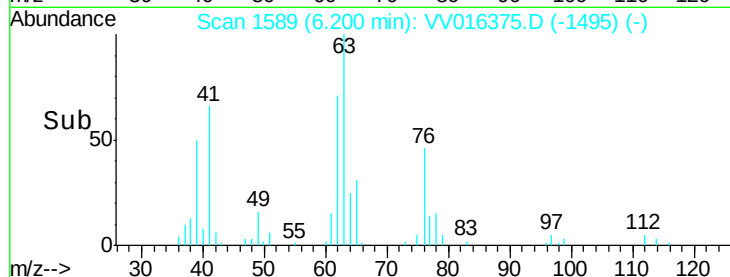
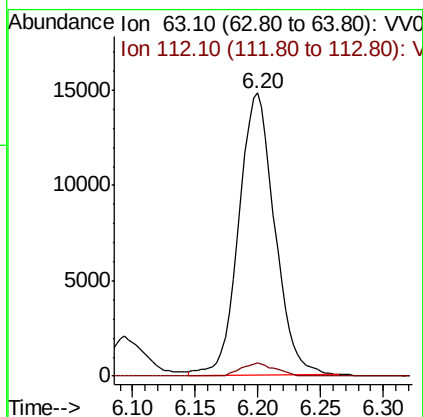
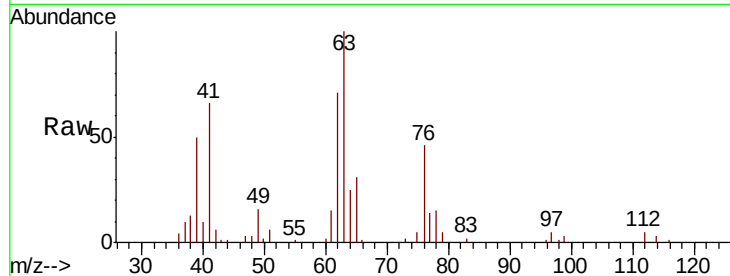




#37
 1,2-Dichloropropane
 Concen: 5.047 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV016375.D
 Acq: 31 May 2020 09:16

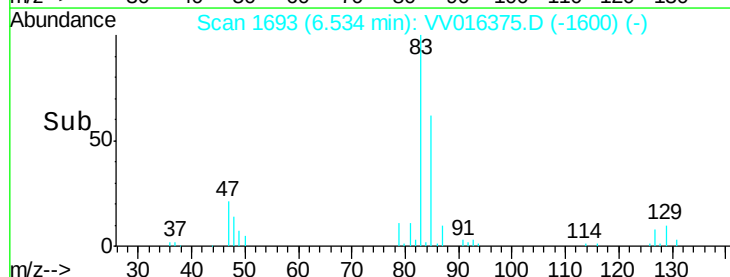
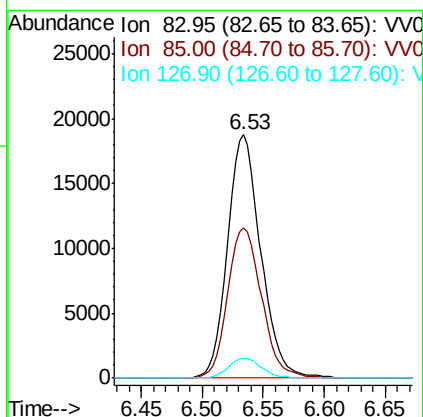
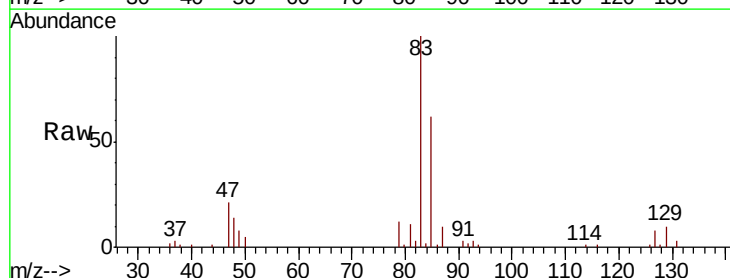
Instrument :
 MSVOA_V
 ClientSampleId :

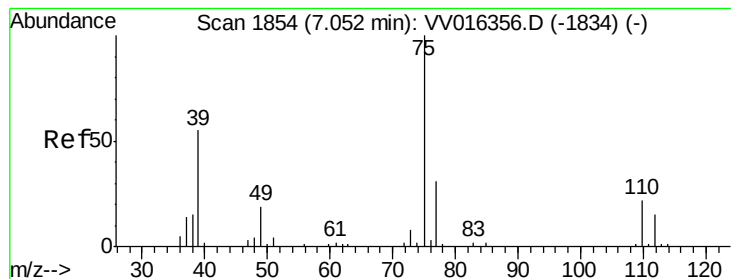
Tot Ion: 63 Resp: 29400
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.4 5.0



#38
 Bromodichloromethane
 Concen: 5.096 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV016375.D
 Acq: 31 May 2020 09:16

Tgt Ion: 83 Resp: 35698
 Ion Ratio Lower Upper
 83 100
 85 61.8 44.2 82.2
 127 8.3 6.3 9.5



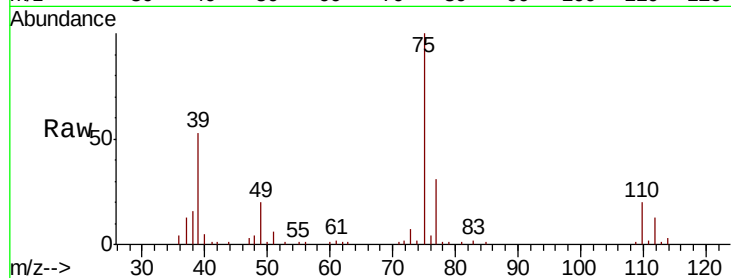


#39

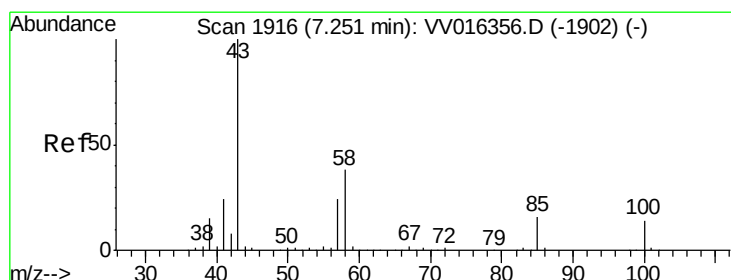
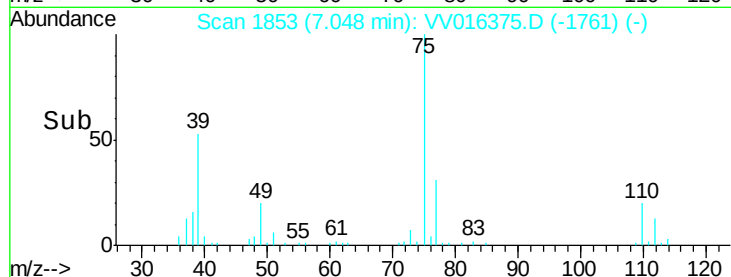
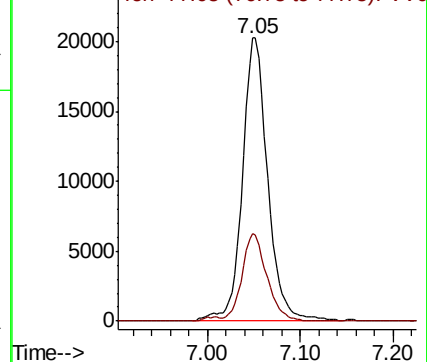
cis-1,3-Dichloropropene
Concen: 4.978 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VV016375.D
Acq: 31 May 2020 09:16

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 75 Resp: 38308
Ion Ratio Lower Upper
75 100
77 31.1 22.0 41.0



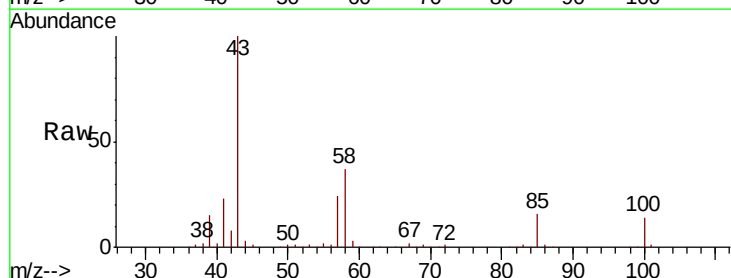
Abundance Ion 75.05 (74.75 to 75.75): VV0
Ion 77.05 (76.75 to 77.75): VV0



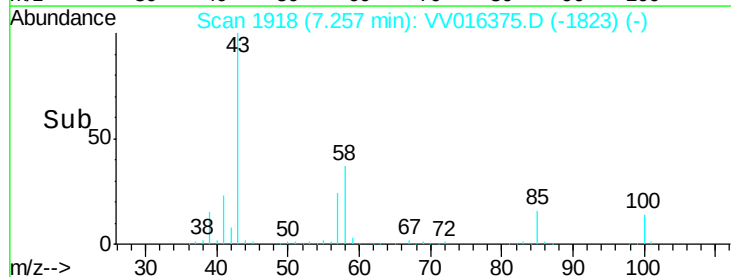
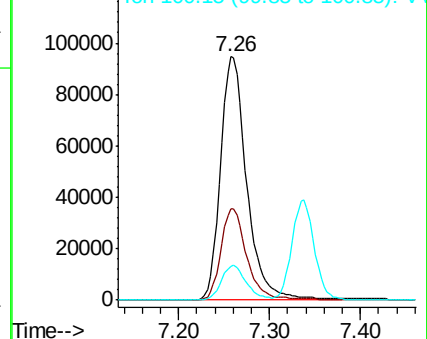
#40

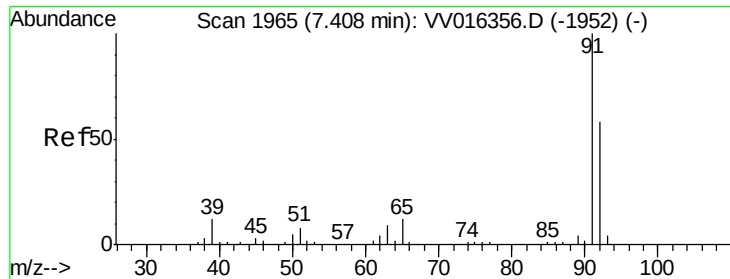
4-Methyl-2-pentanone
Concen: 53.920 ug/L
RT: 7.26 min Scan# 1918
Delta R.T. 0.01 min
Lab File: VV016375.D
Acq: 31 May 2020 09:16

Tgt Ion: 43 Resp: 189690
Ion Ratio Lower Upper
43 100
58 36.6 29.5 44.3
100 13.6 11.0 16.6



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





#42

Toluene

Concen: 5.194 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV016375.D

Acq: 31 May 2020 09:16

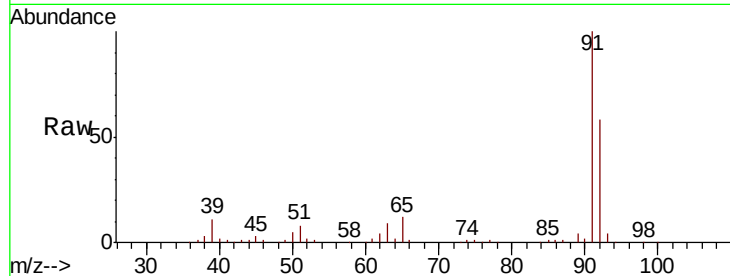
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 127198

Ion Ratio Lower Upper

91 100

92 58.2 40.5 75.1



Abundance Ion 91.15 (90.85 to 91.85): VV016375.D (-1872) (-)

Ion 92.15 (91.85 to 92.85): VV016375.D (-1872) (-)

7.41

80000

60000

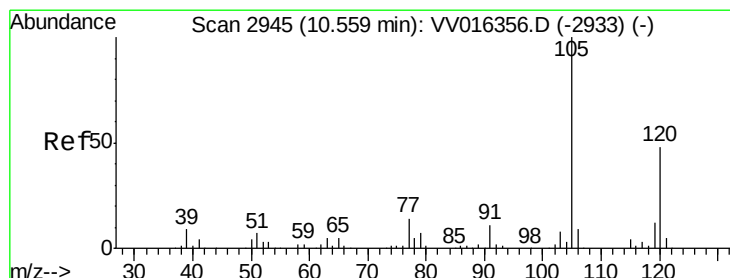
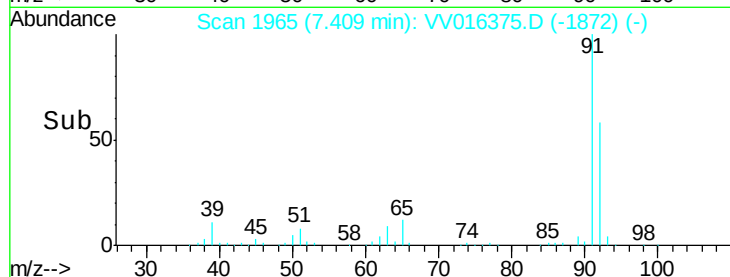
40000

20000

0

7.35 7.40 7.45 7.50

Time-->



#43

1,3,5-Trimethylbenzene

Concen: 5.118 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VV016375.D

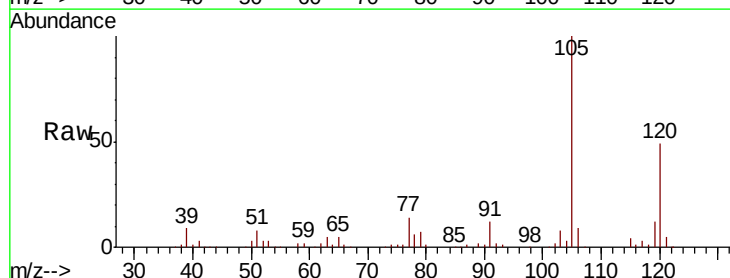
Acq: 31 May 2020 09:16

Tgt Ion:105 Resp: 111167

Ion Ratio Lower Upper

105 100

120 48.4 37.5 56.3



Abundance Ion 105.00 (104.70 to 105.70): VV016375.D (-2323) (-)

Ion 120.00 (119.70 to 120.70): VV016375.D (-2323) (-)

10.56

80000

60000

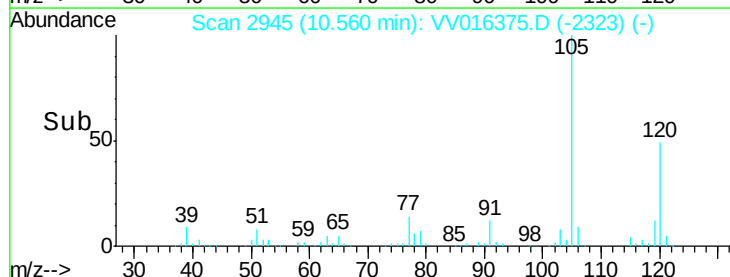
40000

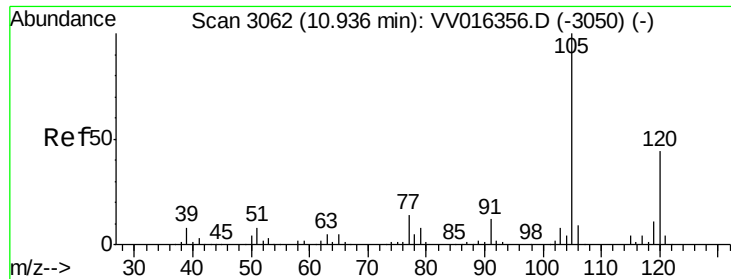
20000

0

10.50 10.55 10.60 10.65

Time-->

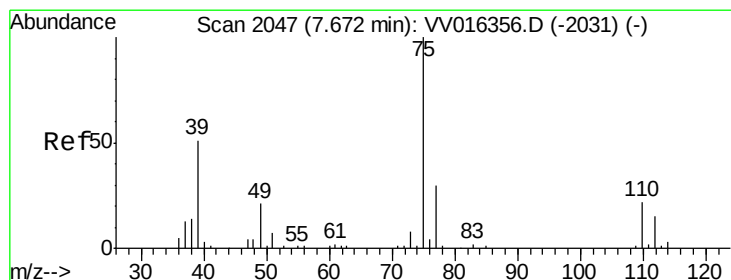
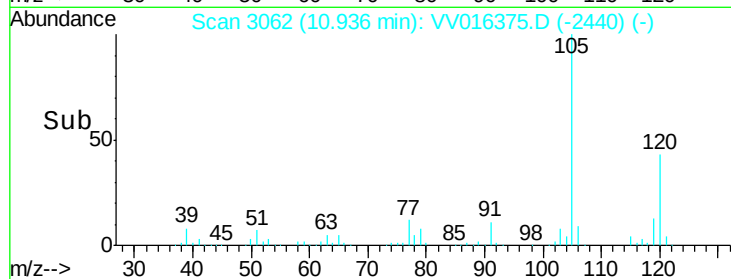
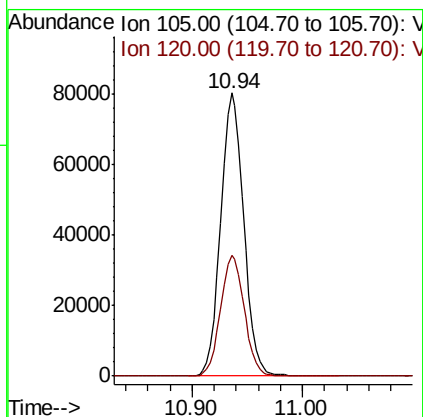
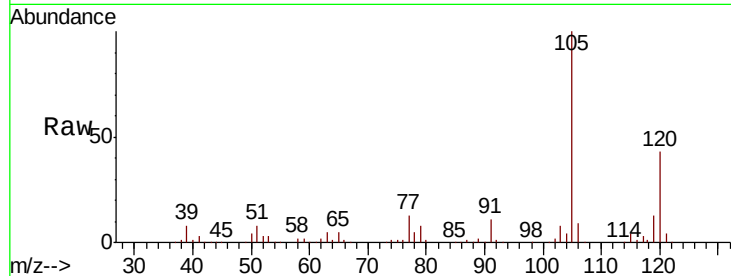




#44
1,2,4-Trimethylbenzene
Concen: 5.256 ug/L
RT: 10.94 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VV016375.D
Acq: 31 May 2020 09:16

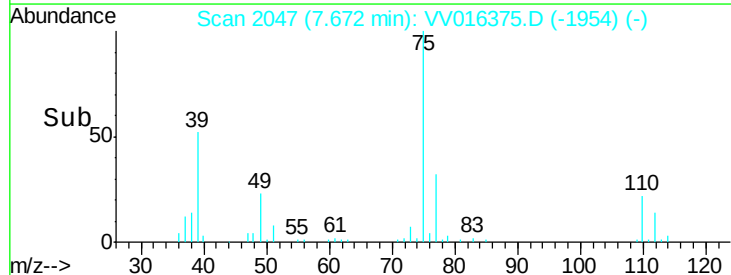
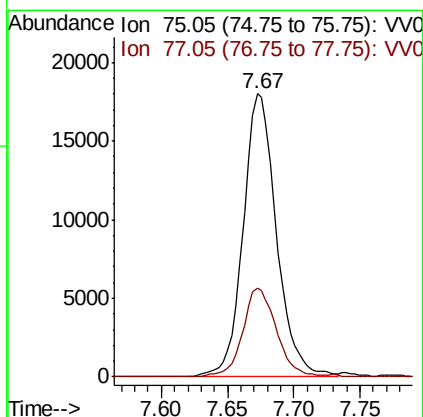
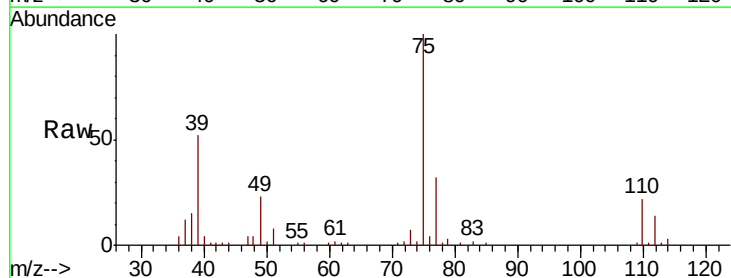
Instrument :
MSVOA_V
ClientSampled :

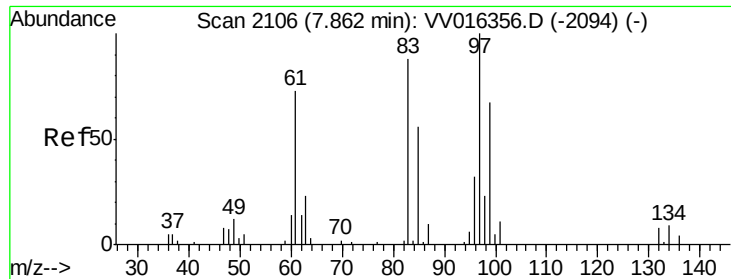
Tot Ion:105 Resp: 116317
Ion Ratio Lower Upper
105 100
120 43.9 35.5 53.3



#46
trans-1,3-Dichloropropene
Concen: 4.971 ug/L
RT: 7.67 min Scan# 2047
Delta R.T. 0.00 min
Lab File: VV016375.D
Acq: 31 May 2020 09:16

Tgt Ion: 75 Resp: 31599
Ion Ratio Lower Upper
75 100
77 31.5 21.1 39.3

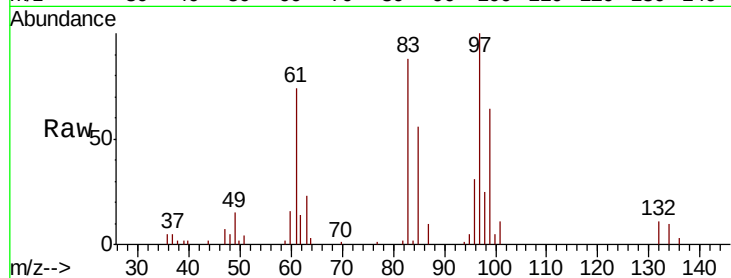




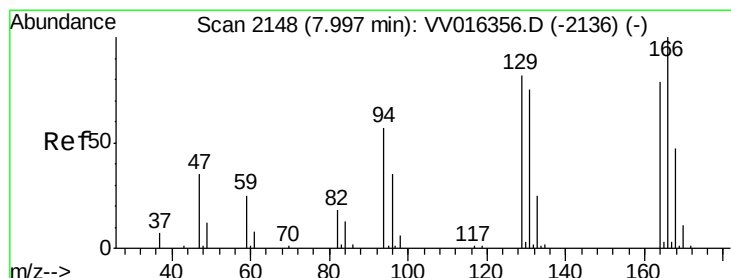
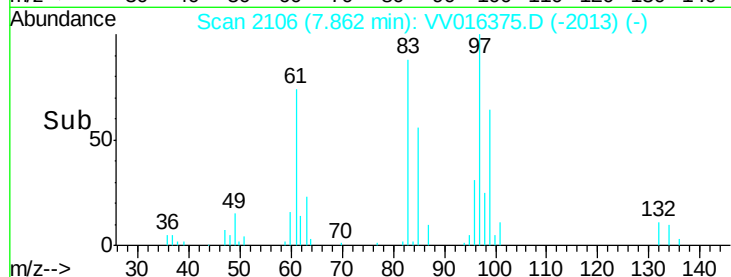
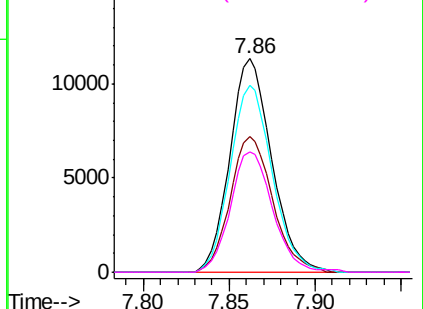
#47
 1,1,2-Trichloroethane
 Concen: 5.171 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV016375.D
 Acq: 31 May 2020 09:16

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	19268
Ion	Ratio	Lower	Upper
97	100		
99	63.5	47.0	87.2
83	87.7	61.7	114.5
85	56.4	39.1	72.5

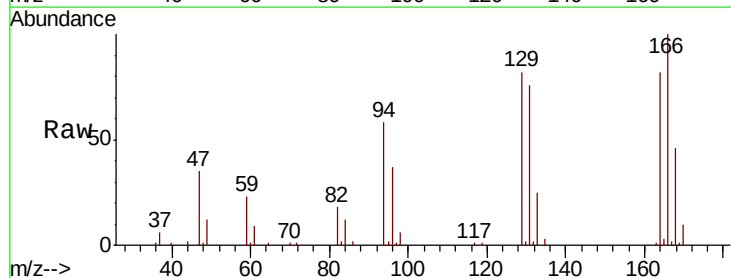


Abundance Ion 96.95 (96.65 to 97.65): VV016375.D (-2013) (-)

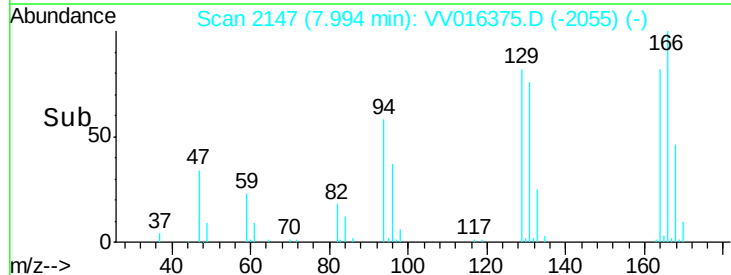
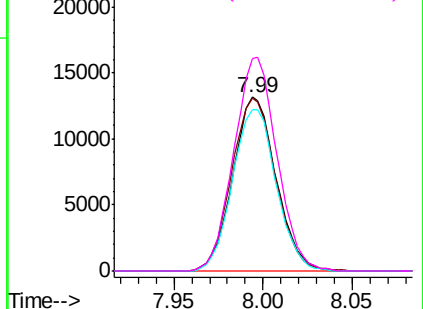


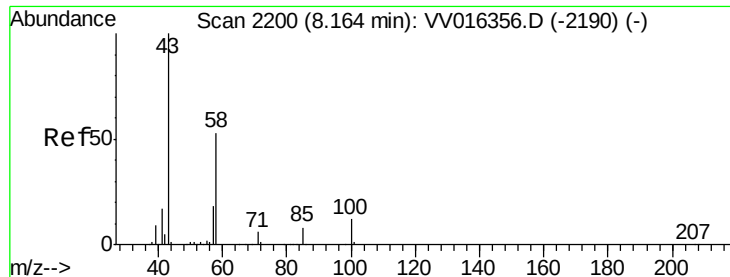
#49
 Tetrachloroethene
 Concen: 5.010 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. -0.00 min
 Lab File: VV016375.D
 Acq: 31 May 2020 09:16

Tgt Ion:	164	Resp:	22195
Ion	Ratio	Lower	Upper
164	100		
129	99.8	72.2	134.0
131	92.7	65.8	122.2
166	122.1	88.3	163.9



Abundance Ion 163.90 (163.60 to 164.60): VV016375.D (-2055) (-)

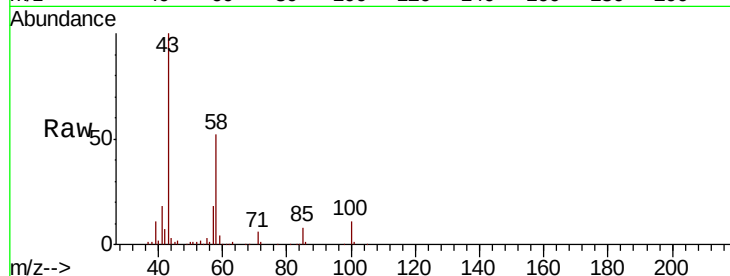




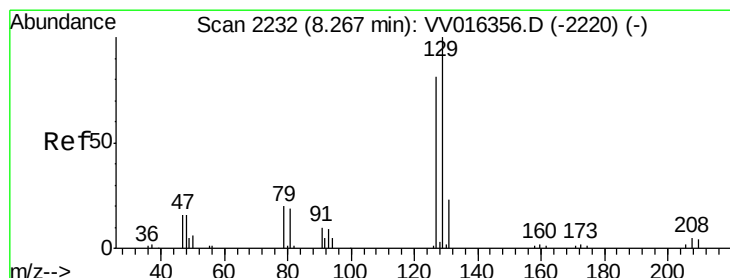
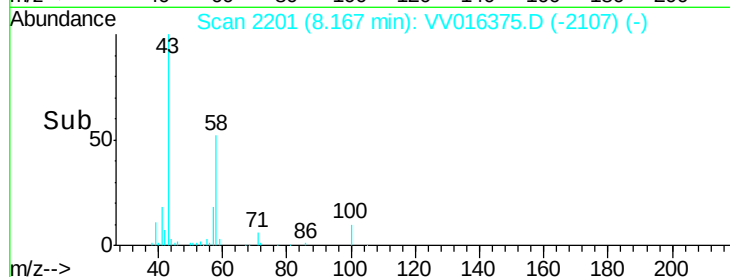
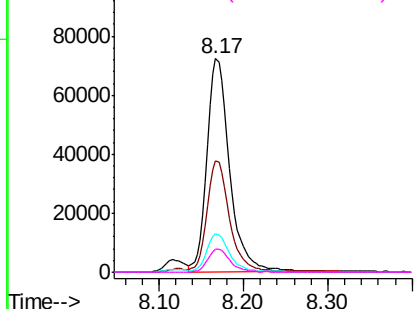
#50
2-Hexanone
Concen: 55.139 ug/L
RT: 8.17 min Scan# 2201
Delta R.T. 0.00 min
Lab File: VV016375.D
Acq: 31 May 2020 09:16

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 135299
Ion Ratio Lower Upper
43 100
58 51.2 41.1 61.7
57 17.4 14.2 21.4
100 10.7 8.8 13.2

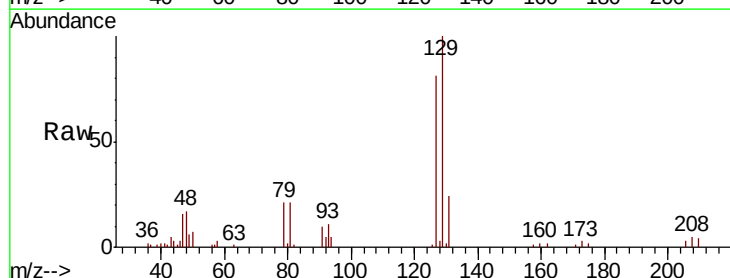


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

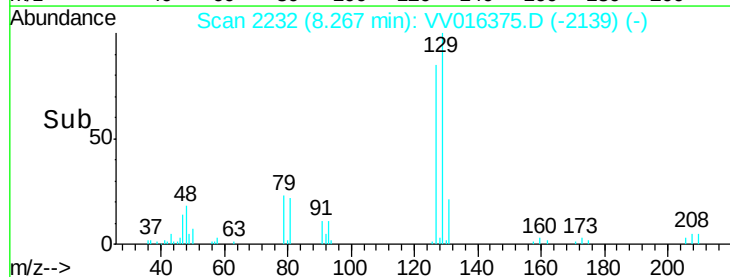
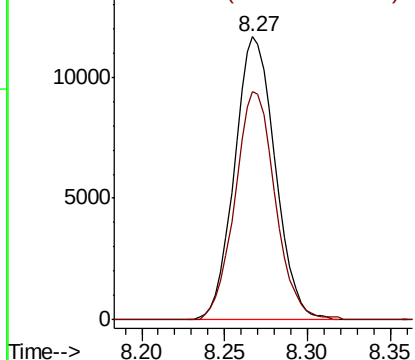


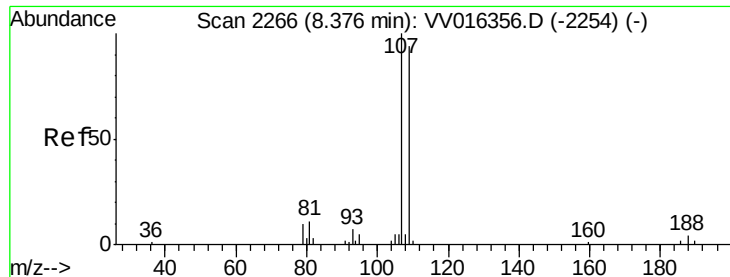
#51
Dibromochloromethane
Concen: 5.096 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV016375.D
Acq: 31 May 2020 09:16

Tgt Ion: 129 Resp: 19850
Ion Ratio Lower Upper
129 100
127 80.6 57.0 105.8



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





#52

1,2-Dibromoethane

Concen: 5.283 ug/L

RT: 8.38 min Scan# 2266

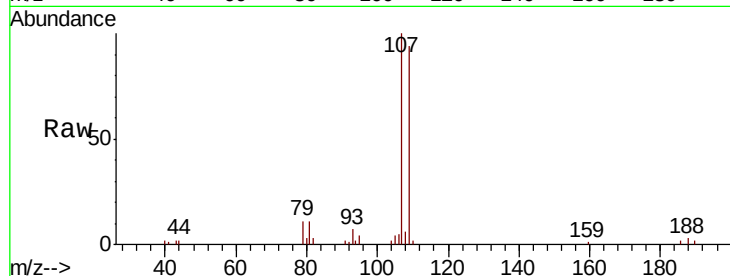
Delta R.T. 0.00 min

Lab File: VV016375.D

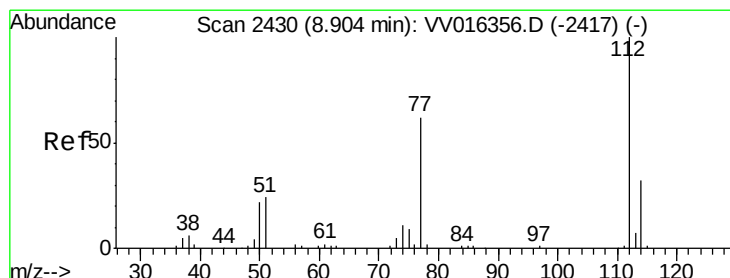
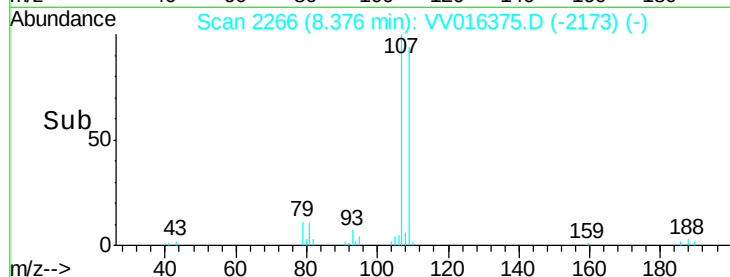
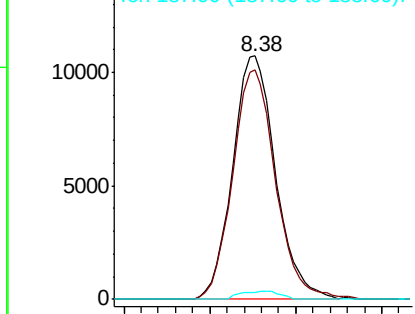
Acq: 31 May 2020 09:16

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	107	Resp:	18604
Ion	Ratio	Lower	Upper
107	100		
109	94.3	65.9	122.3
188	2.9	3.0	4.4#



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: 5.088 ug/L

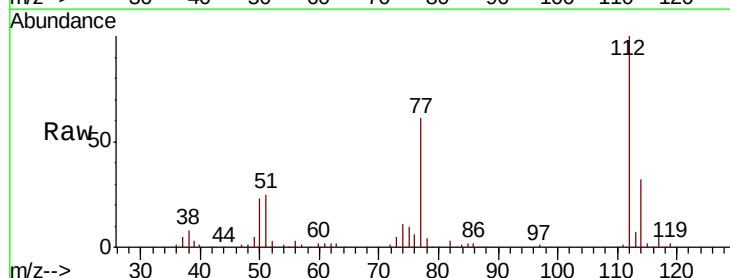
RT: 8.90 min Scan# 2429

Delta R.T. -0.00 min

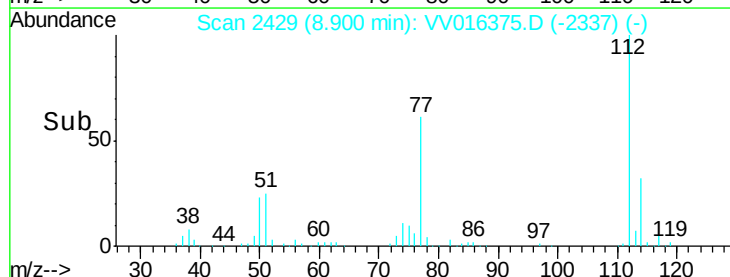
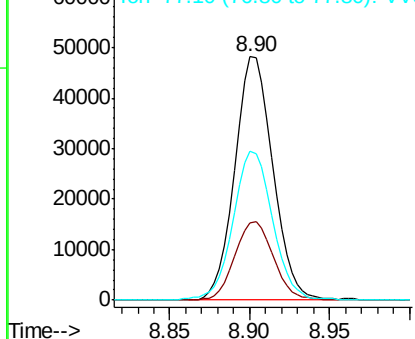
Lab File: VV016375.D

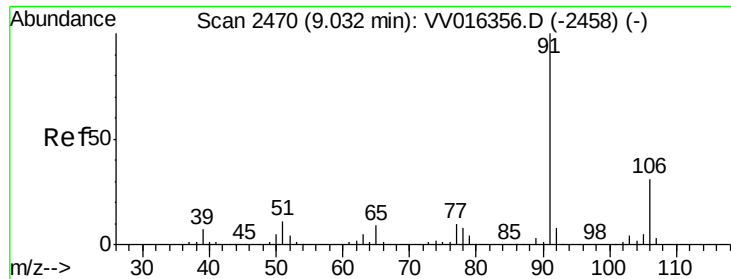
Acq: 31 May 2020 09:16

Tgt Ion:	112	Resp:	78213
Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.6	42.0
77	61.0	50.5	75.7



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VV0

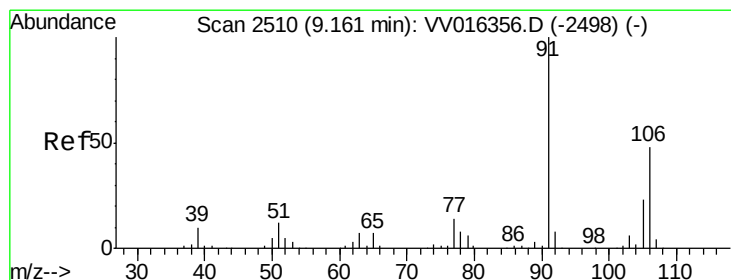
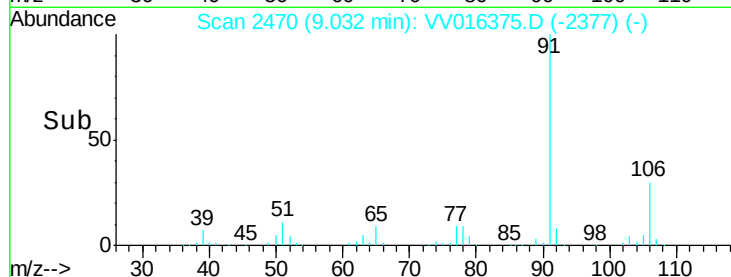
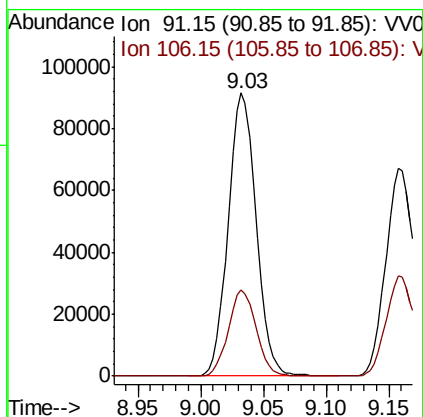
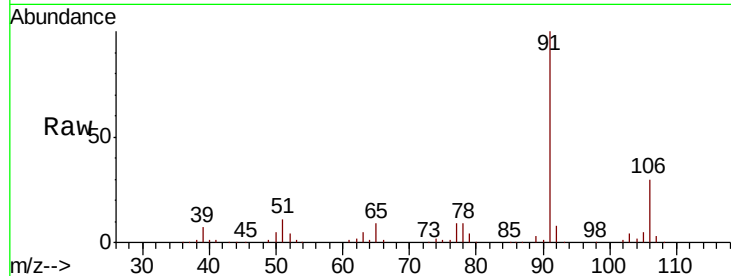




#54
Ethylbenzene
Concen: 5.237 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VV016375.D
Acq: 31 May 2020 09:16

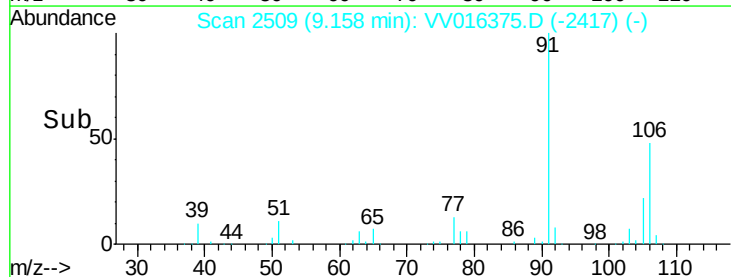
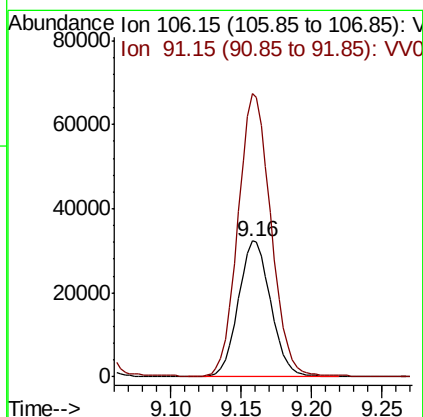
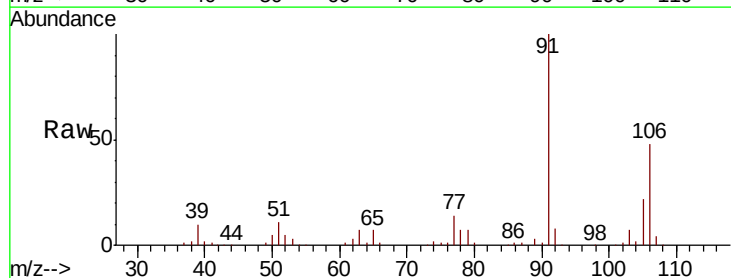
Instrument :
MSVOA_V
ClientSampled :

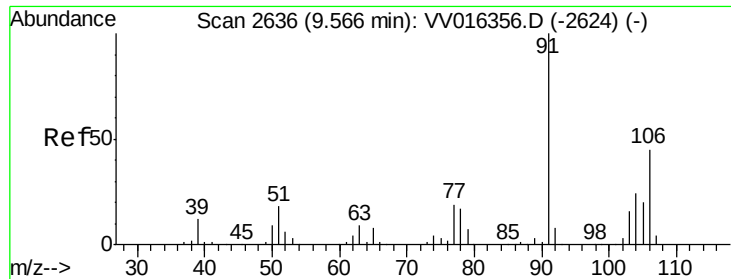
Tot Ion: 91 Resp: 141452
Ion Ratio Lower Upper
91 100
106 30.4 21.4 39.8



#55
m,p-xylene
Concen: 5.185 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VV016375.D
Acq: 31 May 2020 09:16

Tgt Ion: 106 Resp: 52421
Ion Ratio Lower Upper
106 100
91 208.7 146.6 272.2

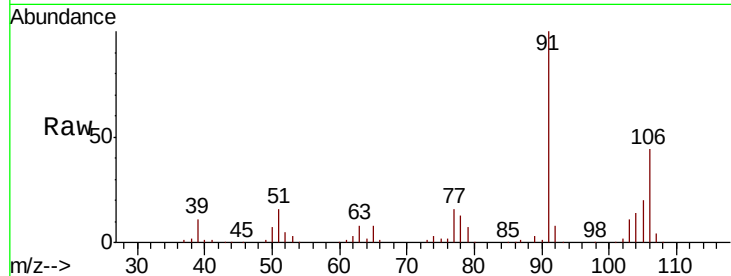




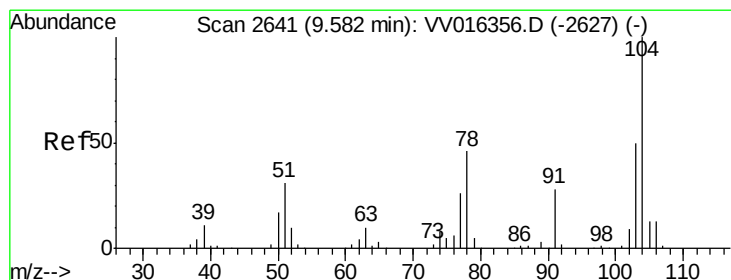
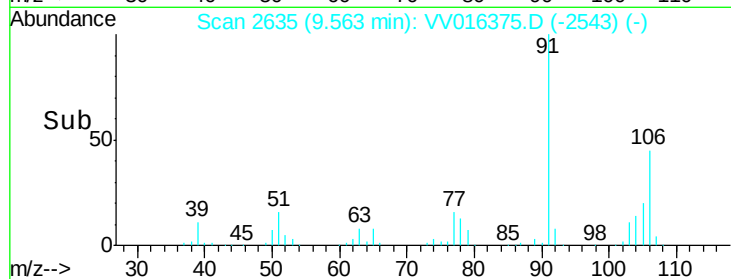
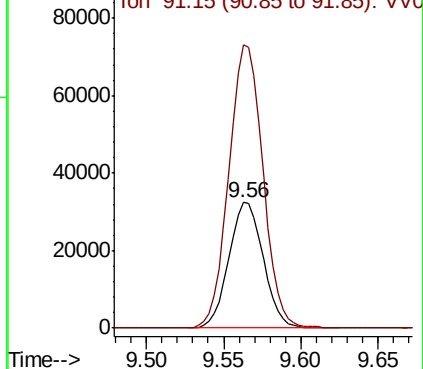
#56
o-xylene
Concen: 5.245 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV016375.D
Acq: 31 May 2020 09:16

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 49940
Ion Ratio Lower Upper
106 100
91 225.0 155.2 288.2

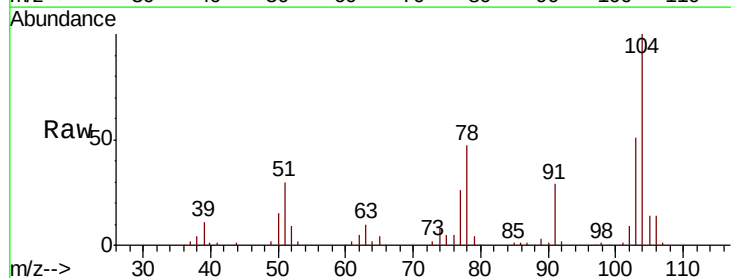


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

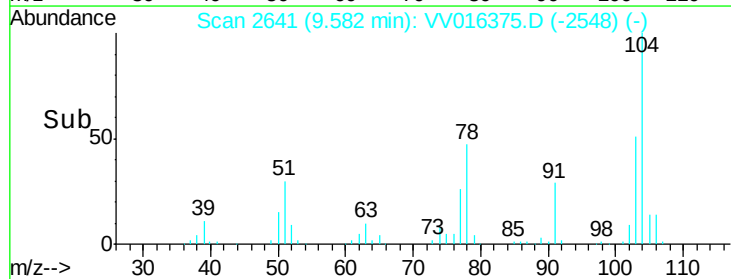
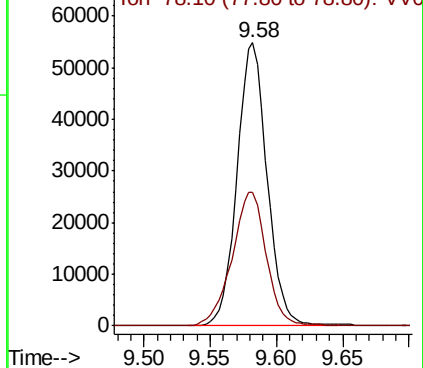


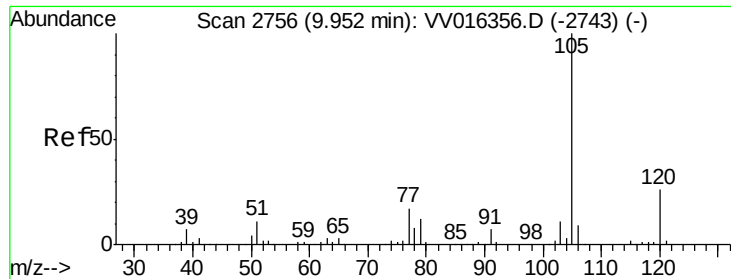
#57
Styrene
Concen: 5.323 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV016375.D
Acq: 31 May 2020 09:16

Tgt Ion:104 Resp: 86539
Ion Ratio Lower Upper
104 100
78 47.1 32.6 60.6



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





#58

Isopropylbenzene

Concen: 5.255 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV016375.D

Acq: 31 May 2020 09:16

Instrument :

MSVOA_V

ClientSampleId :

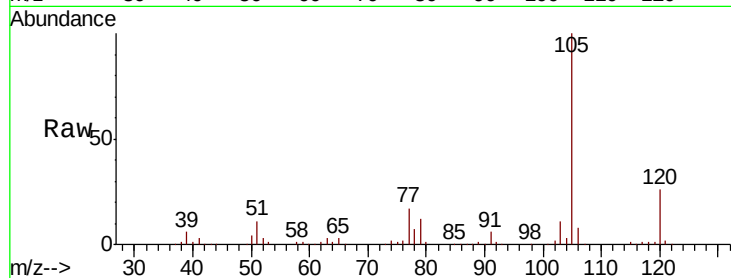
Tot Ion:105 Resp: 136347

Ion Ratio Lower Upper

105 100

120 25.7 20.7 31.1

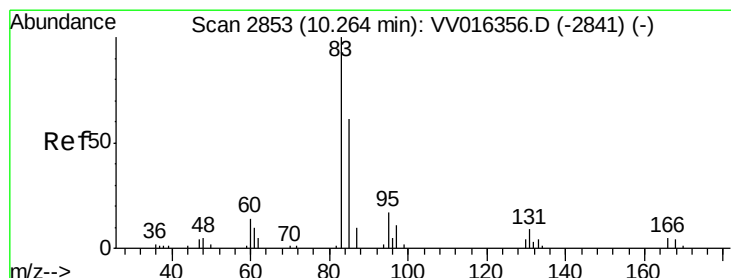
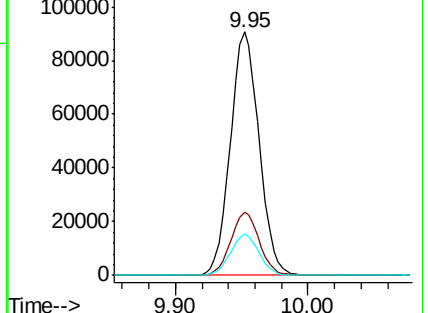
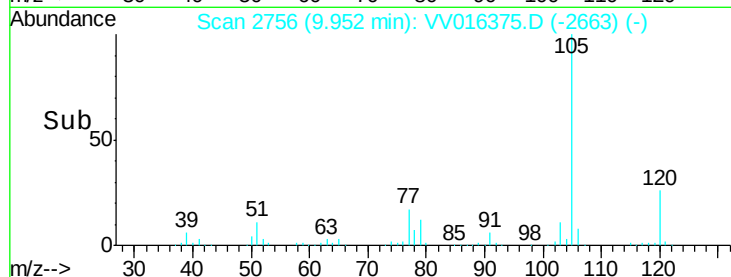
77 16.8 13.4 20.2



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: 5.061 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV016375.D

Acq: 31 May 2020 09:16

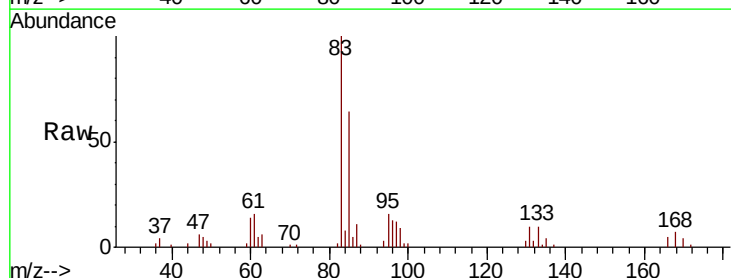
Tgt Ion: 83 Resp: 23787

Ion Ratio Lower Upper

83 100

85 64.0 43.7 81.1

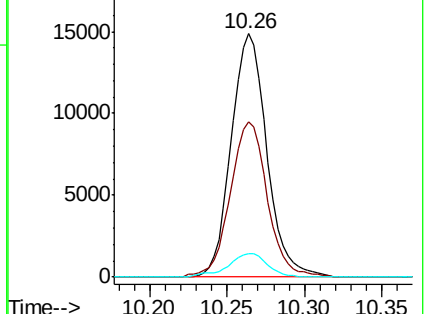
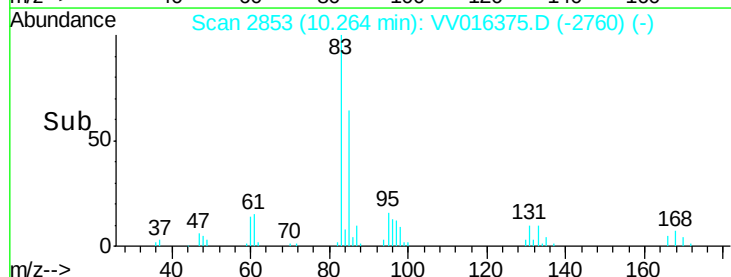
131 9.7 7.8 11.6

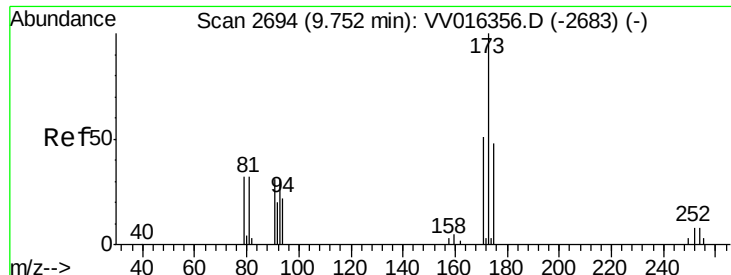


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#62

Bromoform

Concen: 5.144 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV016375.D

Acq: 31 May 2020 09:16

Instrument :
MSVOA_V
ClientSampleId :

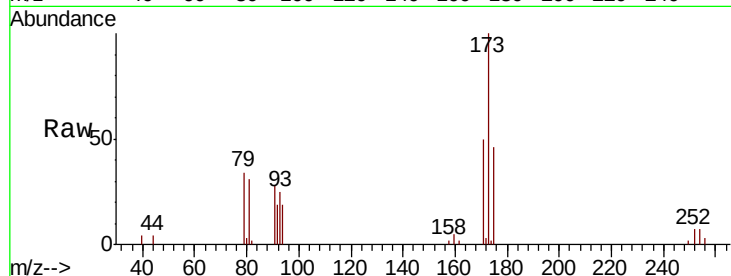
Tot Ion:173 Resp: 8327

Ion Ratio Lower Upper

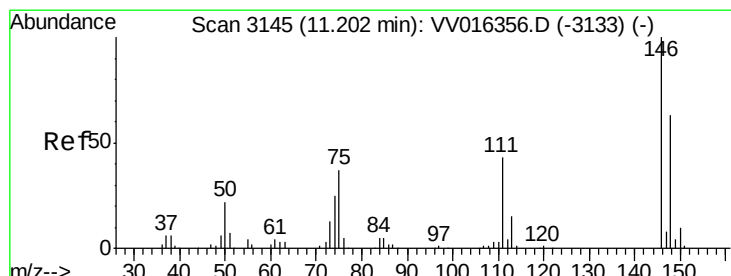
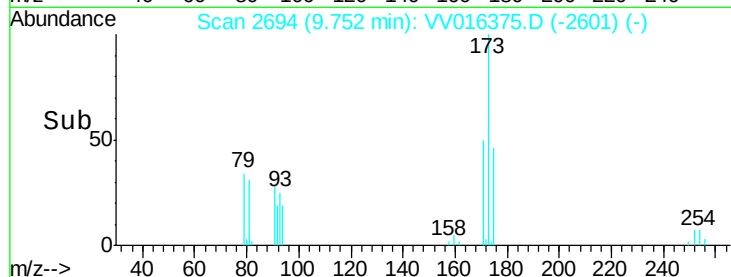
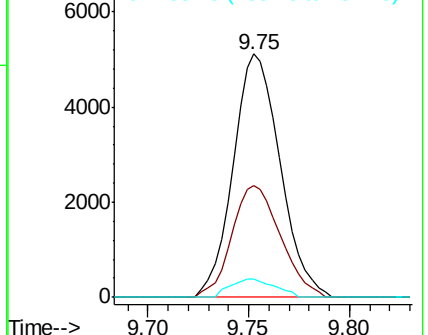
173 100

175 47.6 38.3 57.5

254 7.1 5.8 8.6



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



#63

1,3-Dichlorobenzene

Concen: 5.133 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV016375.D

Acq: 31 May 2020 09:16

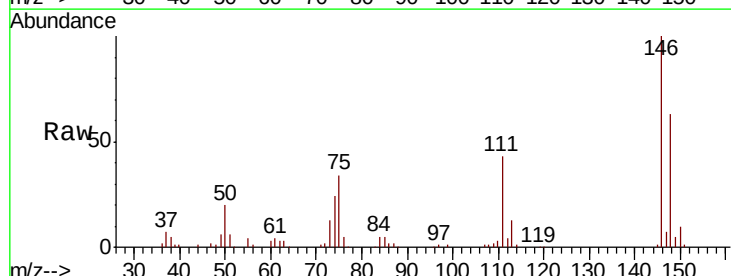
Tgt Ion:146 Resp: 60600

Ion Ratio Lower Upper

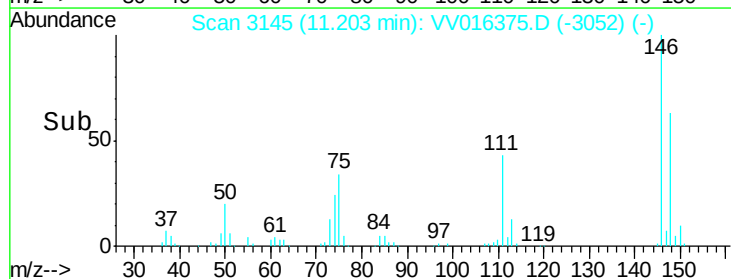
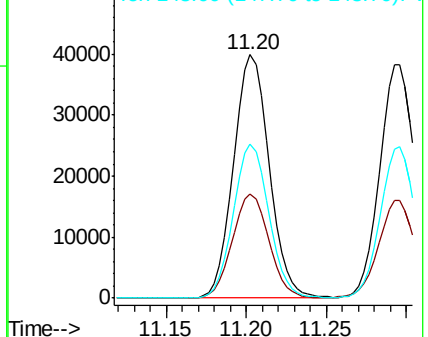
146 100

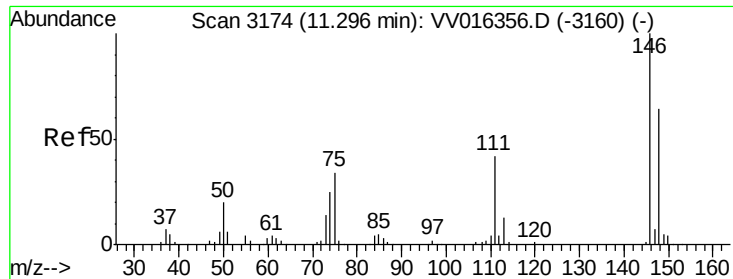
111 42.8 30.3 56.3

148 63.3 44.3 82.3



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

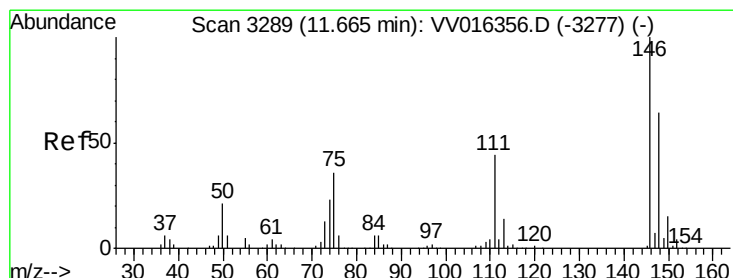
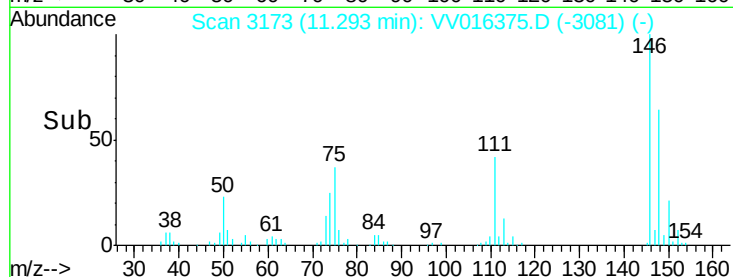
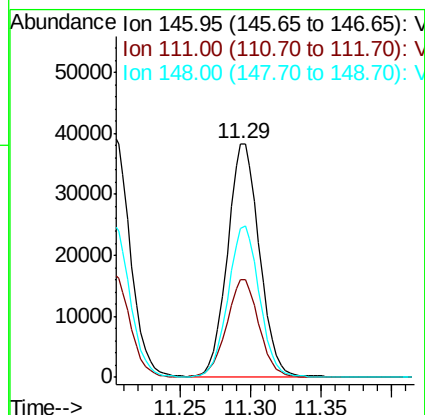
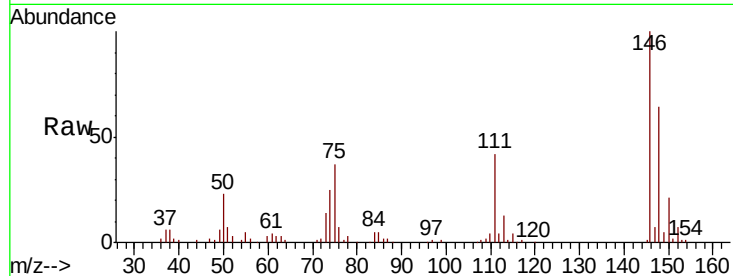




#64
 1,4-Dichlorobenzene
 Concen: 4.980 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV016375.D
 Acq: 31 May 2020 09:16

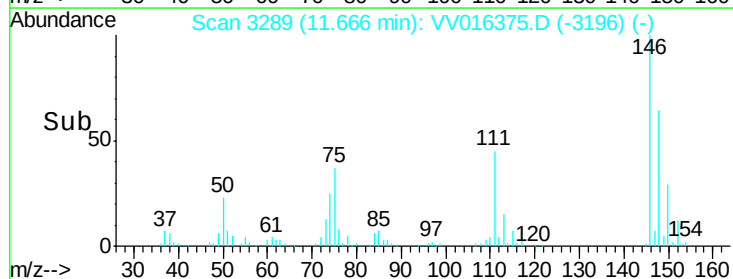
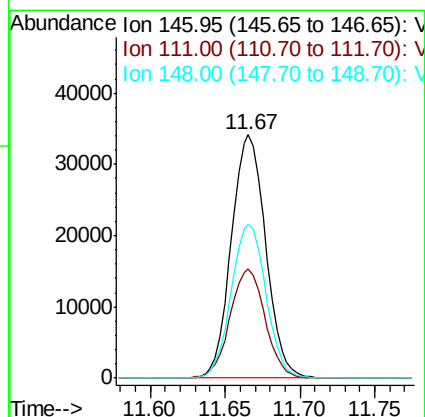
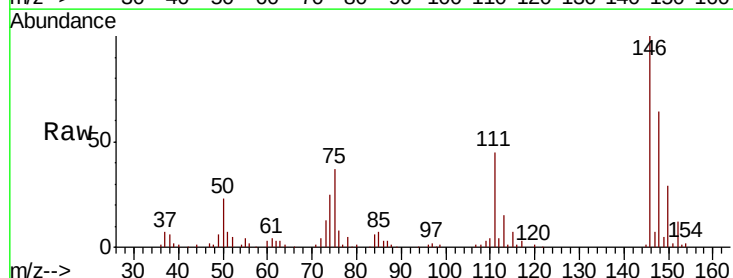
Instrument :
 MSVOA_V
 ClientSampled :

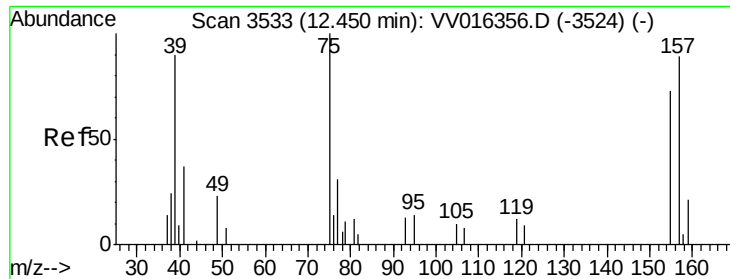
Tot Ion:146 Resp: 60787
 Ion Ratio Lower Upper
 146 100
 111 41.9 29.6 55.0
 148 63.9 44.7 83.1



#66
 1,2-Dichlorobenzene
 Concen: 4.967 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV016375.D
 Acq: 31 May 2020 09:16

Tgt Ion:146 Resp: 54586
 Ion Ratio Lower Upper
 146 100
 111 44.8 35.4 53.2
 148 63.5 51.0 76.4

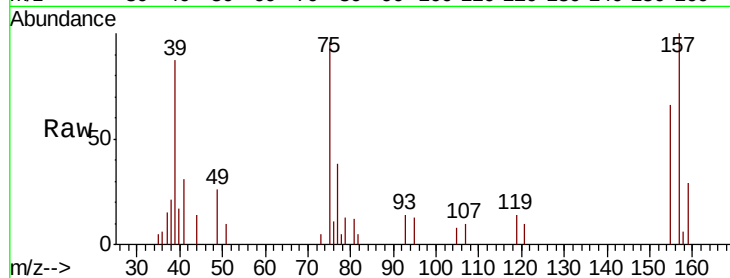




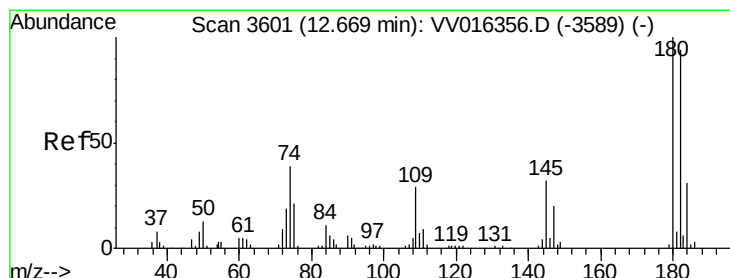
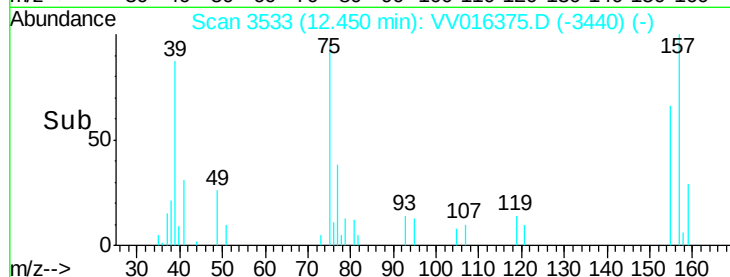
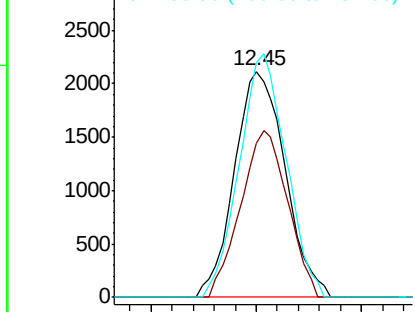
#67
 1,2-Dibromo-3-chloropropane
 Concen: 4.930 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. 0.00 min
 Lab File: VV016375.D
 Acq: 31 May 2020 09:16

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 75 Resp: 3531
 Ion Ratio Lower Upper
 75 100
 155 68.1 58.1 87.1
 157 103.7 71.0 106.4

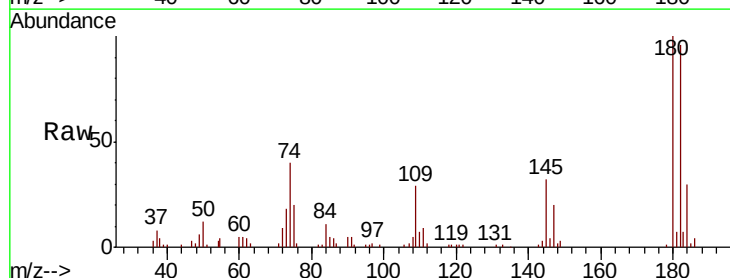


Abundance Ion 75.05 (74.75 to 75.75): VV016375.D (-3440) (-)
 Ion 154.95 (154.65 to 155.65): VV016375.D (-3440) (-)
 Ion 156.90 (156.60 to 157.60): VV016375.D (-3440) (-)

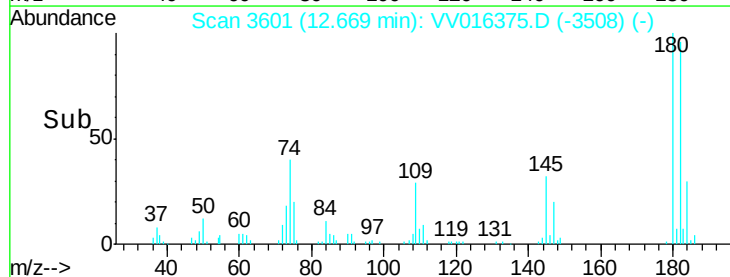
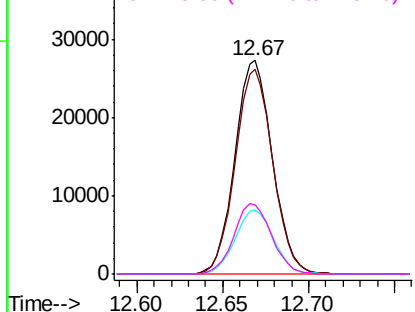


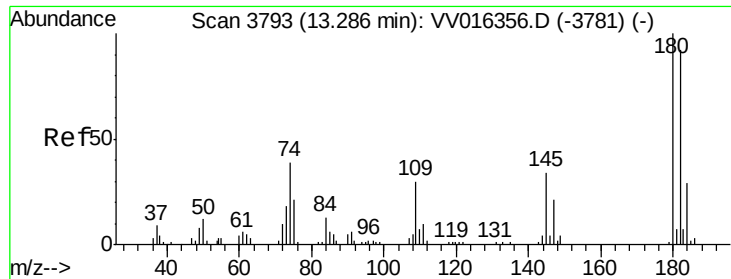
#68
 1,3,5-Trichlorobenzene
 Concen: 4.869 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV016375.D
 Acq: 31 May 2020 09:16

Tgt Ion: 180 Resp: 41388
 Ion Ratio Lower Upper
 180 100
 182 95.9 75.5 113.3
 184 30.7 24.2 36.2
 145 33.1 26.2 39.2



Abundance Ion 180.00 (179.70 to 180.70): VV016375.D (-3508) (-)
 Ion 182.00 (181.70 to 182.70): VV016375.D (-3508) (-)
 Ion 184.00 (183.70 to 184.70): VV016375.D (-3508) (-)
 Ion 145.00 (144.70 to 145.70): VV016375.D (-3508) (-)

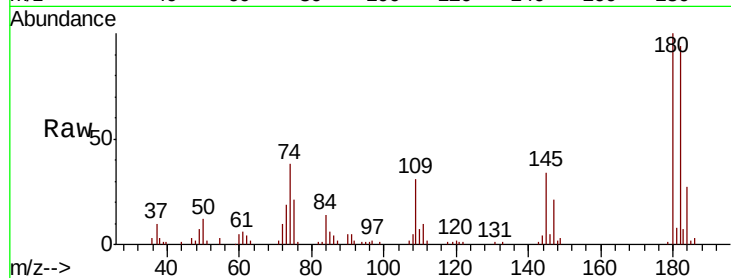




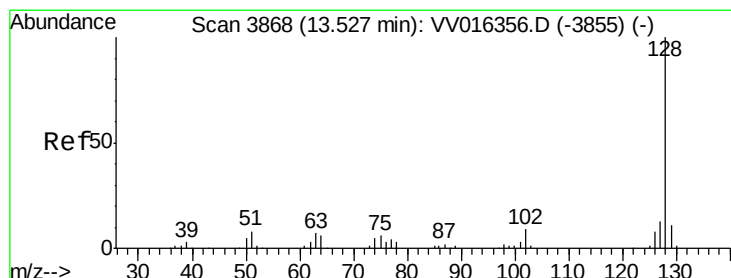
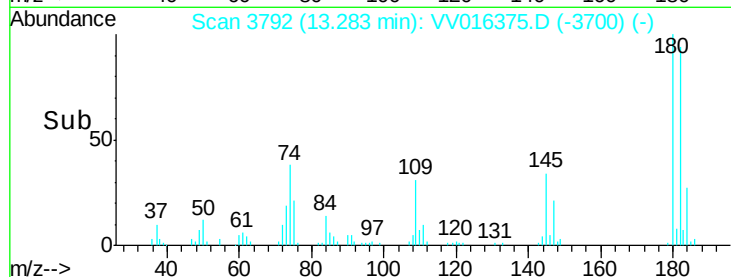
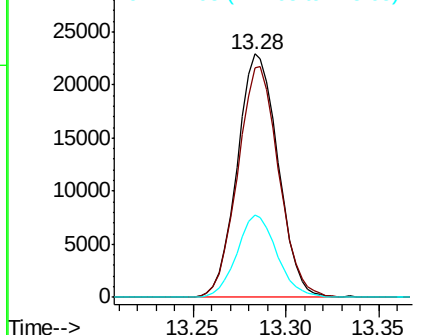
#69
 1,2,4-trichlorobenzene
 Concen: 4.808 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV016375.D
 Acq: 31 May 2020 09:16

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 35089
 Ion Ratio Lower Upper
 180 100
 182 95.1 76.4 114.6
 145 33.1 26.9 40.3

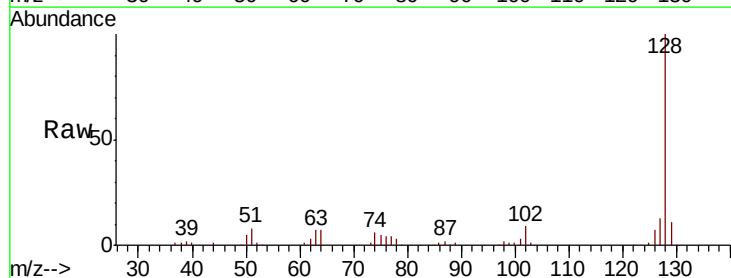


Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

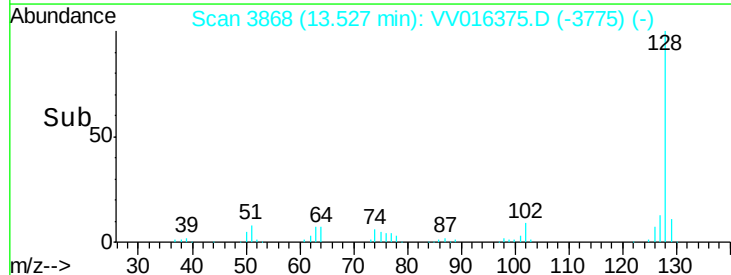
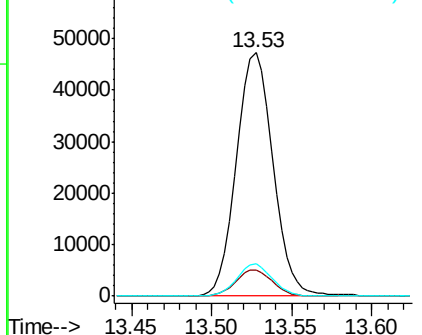


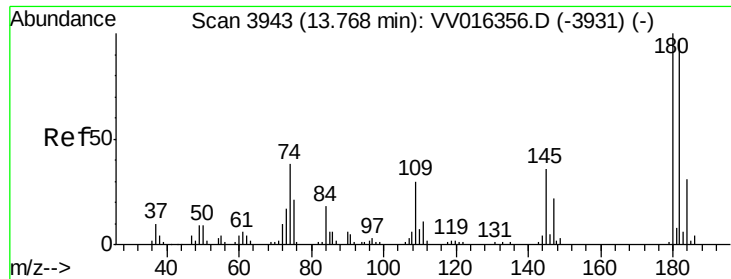
#70
 Naphthalene
 Concen: 4.216 ug/L
 RT: 13.53 min Scan# 3868
 Delta R.T. 0.00 min
 Lab File: VV016375.D
 Acq: 31 May 2020 09:16

Tgt Ion:128 Resp: 73675
 Ion Ratio Lower Upper
 128 100
 129 10.7 8.6 12.8
 127 12.6 10.7 16.1



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

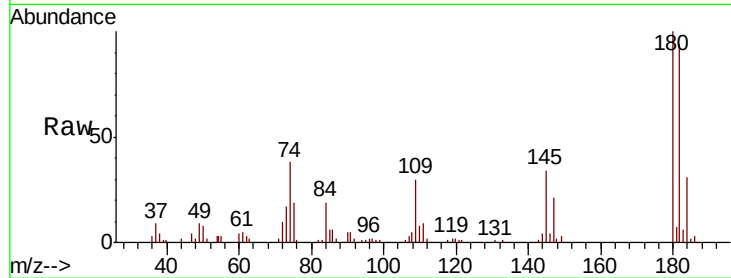




#71
 1,2,3-Trichlorobenzene
 Concen: 4.907 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV016375.D
 Acq: 31 May 2020 09:16

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 31949
 Ion Ratio Lower Upper
 180 100
 182 93.8 75.1 112.7
 145 34.4 28.5 42.7



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

