

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060120\
 Data File : VV016398.D
 Acq On : 01 Jun 2020 09:25
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 02 01:09:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR053020WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jun 01 13:43:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	83252	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	80722	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	40419	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	29456	4.04	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.80%
7) Chloroethane-d5	1.58	69	24195	4.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.40%
11) 1,1-Dichloroethene-d2	2.13	63	56943	4.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.40%
20) 2-Butanone-d5	3.94	46	74622	47.45	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.90%
24) Chloroform-d	4.38	84	55241	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.60%
26) 1,2-Dichloroethane-d4	5.06	65	29450	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
32) Benzene-d6	5.07	84	107377	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
36) 1,2-Dichloropropane-d6	6.09	67	33337	4.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.20%
41) Toluene-d8	7.33	98	100108	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
45) trans-1,3-Dichloropropene-	7.64	79	12094	4.73	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.60%
48) 2-Hexanone-d5	8.11	63	54944	46.23	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.46%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	24248	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.80%
65) 1,2-Dichlorobenzene-d4	11.65	152	33124	4.41	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	33794	4.980	ug/L 99
3) Chloromethane	1.25	50	37697	4.536	ug/L 100
5) Vinyl chloride	1.32	62	35886	4.832	ug/L 99
6) Bromomethane	1.53	94	18836	4.515	ug/L 98
8) Chloroethane	1.60	64	21656	4.840	ug/L 97
9) Trichlorofluoromethane	1.77	101	49747	4.946	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	28333	5.025	ug/L 98
12) 1,1-Dichloroethene	2.14	96	25462	4.752	ug/L 92
13) Acetone	2.21	43	44789	42.342	ug/L 98
14) Carbon disulfide	2.31	76	79123	4.856	ug/L 98
15) Methyl Acetate	2.46	43	11030	4.155	ug/L 97
16) Methylene chloride	2.52	84	27059	4.721	ug/L 97
17) Methyl tert-butyl Ether	2.79	73	61626	4.911	ug/L 98
18) trans-1,2-Dichloroethene	2.78	96	26945	4.738	ug/L 98
19) 1,1-Dichloroethane	3.21	63	52569	4.686	ug/L 98
21) 2-Butanone	4.02	43	77987	49.997	ug/L 97
22) cis-1,2-Dichloroethene	3.94	96	30866	4.917	ug/L 97

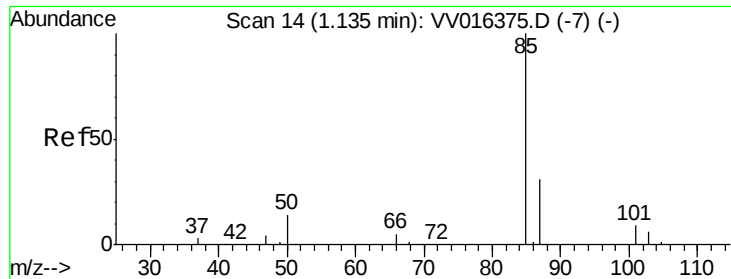
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060120\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	13065	5.333	ug/L	96
25) Chloroform	4.40	83	61100	5.434	ug/L	98
27) 1,2-Dichloroethane	5.15	62	37823	5.101	ug/L	98
29) 1,1,1-Trichloroethane	4.63	97	49684	5.221	ug/L	98
30) Cyclohexane	4.70	56	51045	4.983	ug/L	98
31) Carbon tetrachloride	4.85	117	41884	5.113	ug/L	99
33) Benzene	5.12	78	121968	5.102	ug/L	100
34) Trichloroethene	5.94	95	31914	5.093	ug/L	93
35) Methylcyclohexane	6.15	83	52589	5.210	ug/L	97
37) 1,2-Dichloropropane	6.20	63	30770	5.092	ug/L	100
38) Bromodichloromethane	6.53	83	37236	5.124	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	40273	5.045	ug/L	97
40) 4-Methyl-2-pentanone	7.25	43	185571	50.847	ug/L	99
42) Toluene	7.41	91	132978	5.234	ug/L	99
43) 1,3,5-Trimethylbenzene	10.56	105	117075	5.195	ug/L	100
44) 1,2,4-Trimethylbenzene	10.94	105	120502	5.249	ug/L	100
46) trans-1,3-Dichloropropene	7.67	75	35175	5.334	ug/L	94
47) 1,1,2-Trichloroethane	7.86	97	20247	5.238	ug/L	97
49) Tetrachloroethene	8.00	164	23787	5.175	ug/L	93
50) 2-Hexanone	8.16	43	136433	53.596	ug/L	99
51) Dibromochloromethane	8.27	129	20841	5.157	ug/L	97
52) 1,2-Dibromoethane	8.37	107	18876	5.167	ug/L	100
53) Chlorobenzene	8.90	112	81332	5.100	ug/L	99
54) Ethylbenzene	9.03	91	144740	5.165	ug/L	99
55) m,p-xylene	9.16	106	55417	5.284	ug/L	98
56) o-xylene	9.57	106	51382	5.202	ug/L	100
57) Styrene	9.58	104	92048	5.458	ug/L	99
58) Isopropylbenzene	9.95	105	142729	5.303	ug/L	100
60) 1,1,2,2-Tetrachloroethane	10.26	83	23728	4.867	ug/L	91
62) Bromoform	9.75	173	8596	5.035	ug/L	98
63) 1,3-Dichlorobenzene	11.20	146	63813	5.125	ug/L	99
64) 1,4-Dichlorobenzene	11.30	146	65250	5.069	ug/L	97
66) 1,2-Dichlorobenzene	11.67	146	58737	5.068	ug/L	96
67) 1,2-Dibromo-3-chloropropan	12.45	75	3695	4.892	ug/L	93
68) 1,3,5-Trichlorobenzene	12.67	180	44083	4.917	ug/L	99
69) 1,2,4-trichlorobenzene	13.29	180	35999	4.678	ug/L	99
70) Naphthalene	13.53	128	67157	3.644	ug/L	99
71) 1,2,3-Trichlorobenzene	13.77	180	33395	4.863	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.980 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV016398.D

Acq: 01 Jun 2020 09:25

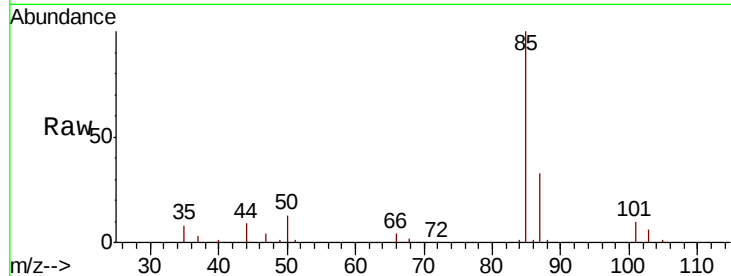
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 33794

Ion Ratio Lower Upper

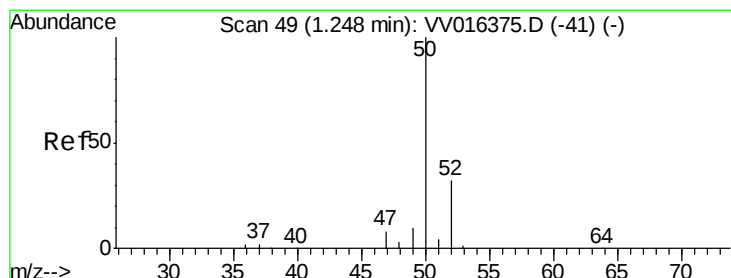
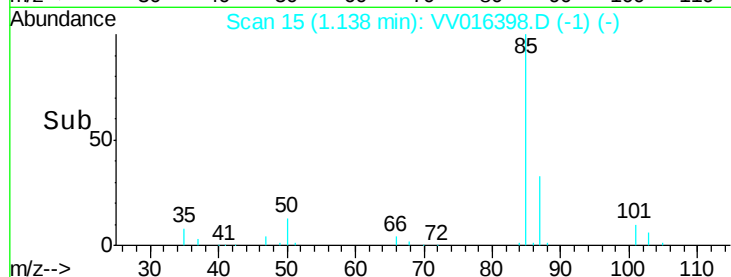
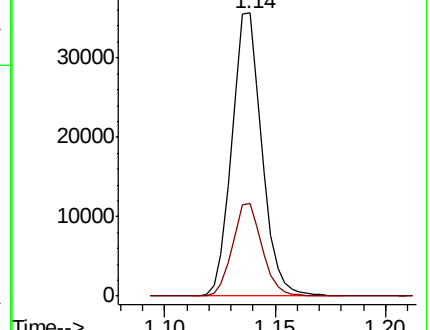
85 100

87 32.5 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: 4.536 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV016398.D

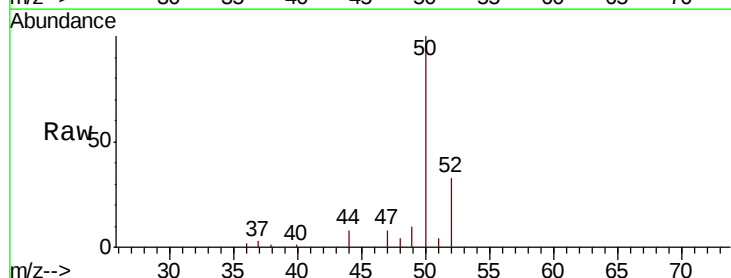
Acq: 01 Jun 2020 09:25

Tgt Ion: 50 Resp: 37697

Ion Ratio Lower Upper

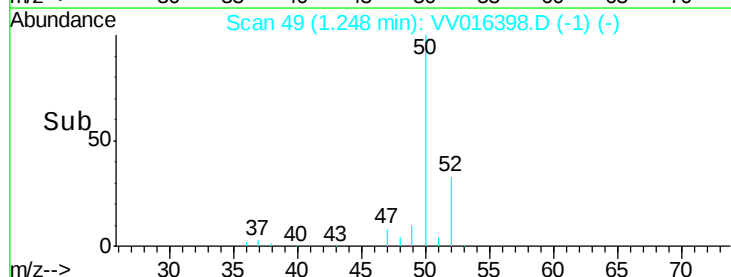
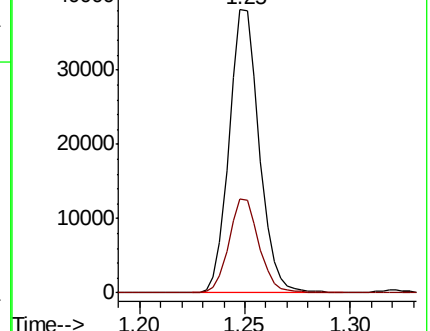
50 100

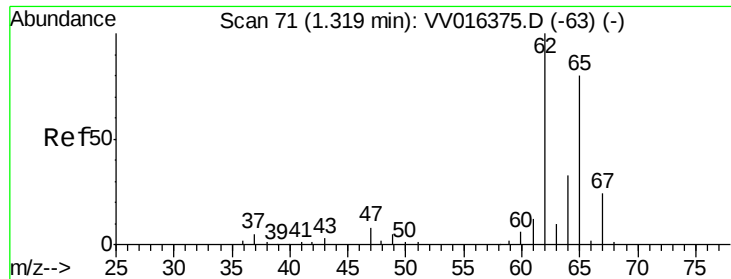
52 33.2 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 4.832 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV016398.D

Acq: 01 Jun 2020 09:25

Instrument :

MSVOA_V

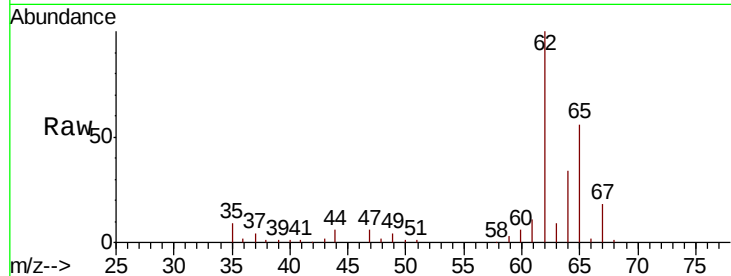
ClientSampleId :

Tot Ion: 62 Resp: 35886

Ion Ratio Lower Upper

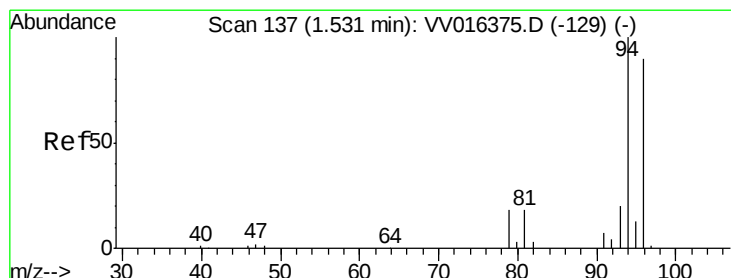
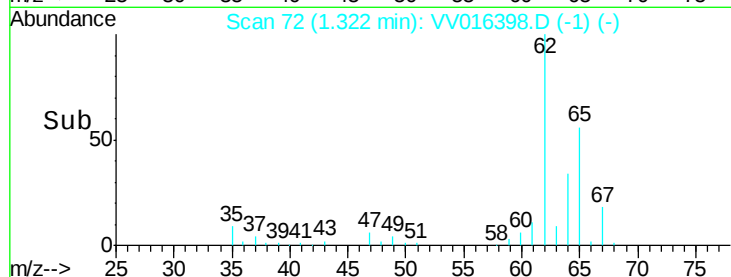
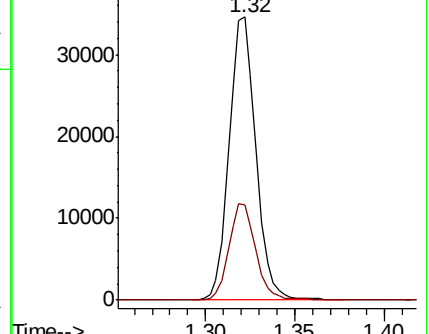
62 100

64 33.7 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 4.515 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV016398.D

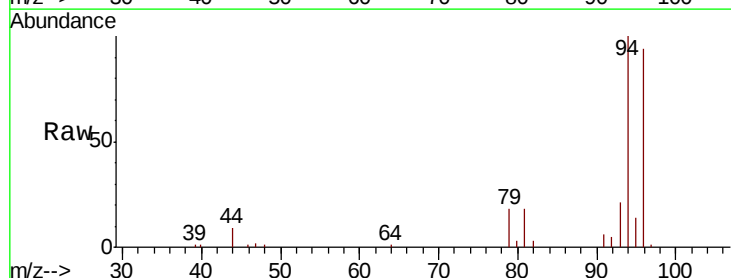
Acq: 01 Jun 2020 09:25

Tgt Ion: 94 Resp: 18836

Ion Ratio Lower Upper

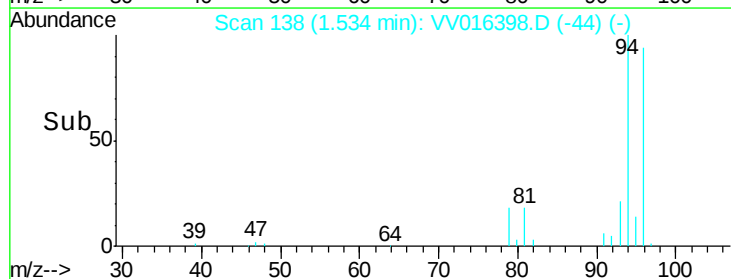
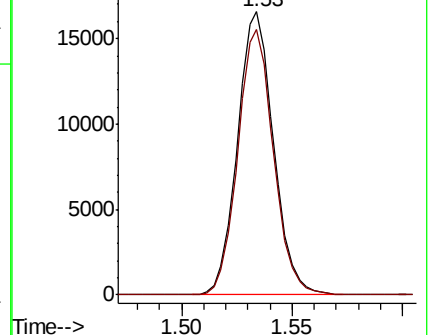
94 100

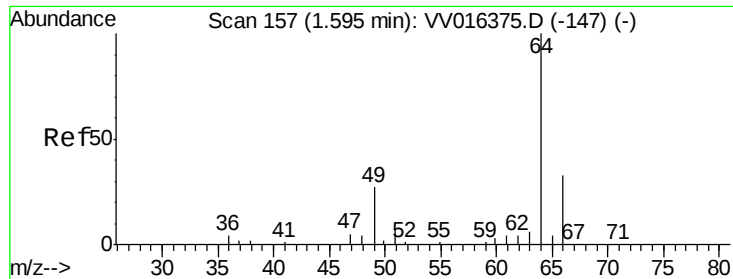
96 94.0 67.0 124.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 4.840 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV016398.D

Acq: 01 Jun 2020 09:25

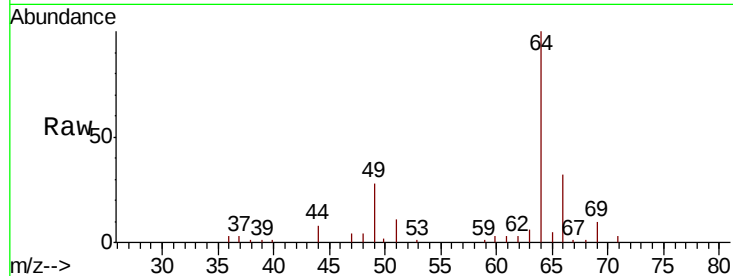
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 21656

Ion Ratio Lower Upper

64 100

66 31.9 23.4 43.6



Abundance Ion 64.10 (63.80 to 64.80): VV016375.D (-147) (-)

Ion 66.05 (65.75 to 66.75): VV016398.D (-64) (-)

1.60

20000

15000

10000

5000

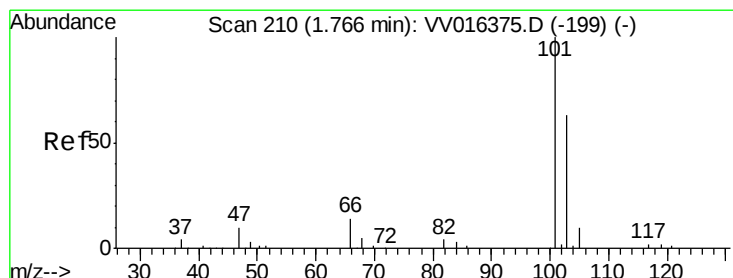
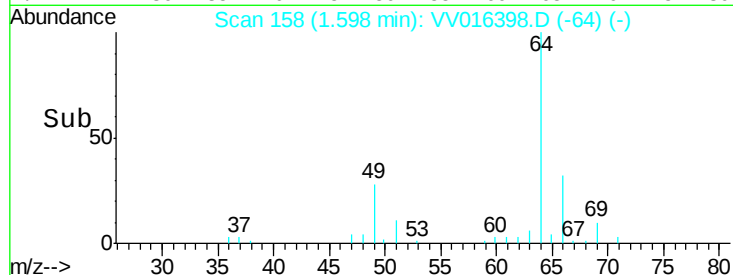
0

Time-->

1.55

1.60

1.65



#9

Trichlorofluoromethane

Concen: 4.946 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV016398.D

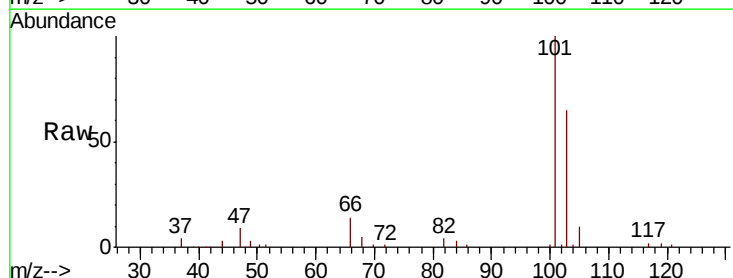
Acq: 01 Jun 2020 09:25

Tgt Ion:101 Resp: 49747

Ion Ratio Lower Upper

101 100

103 66.1 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): VV016375.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV016398.D (-117) (-)

1.77

40000

30000

20000

10000

0

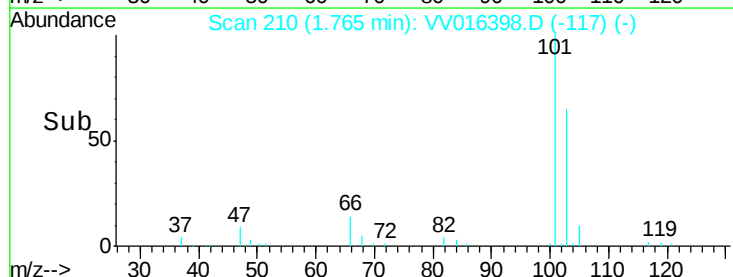
Time-->

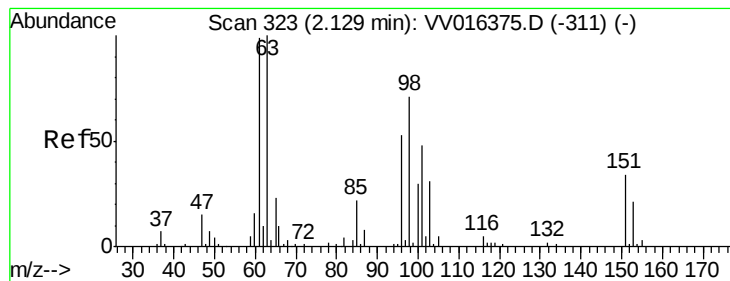
1.70

1.75

1.80

1.85





#10

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

Concen: 5.025 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV016398.D

Acq: 01 Jun 2020 09:25

Instrument :

MSVOA_V

ClientSampleId :

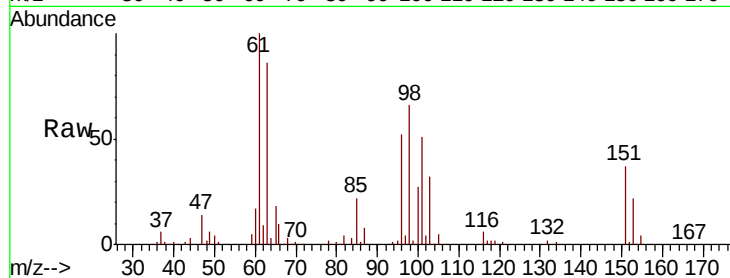
Tot Ion:101 Resp: 28333

Ion Ratio Lower Upper

101 100

85 42.2 35.7 53.5

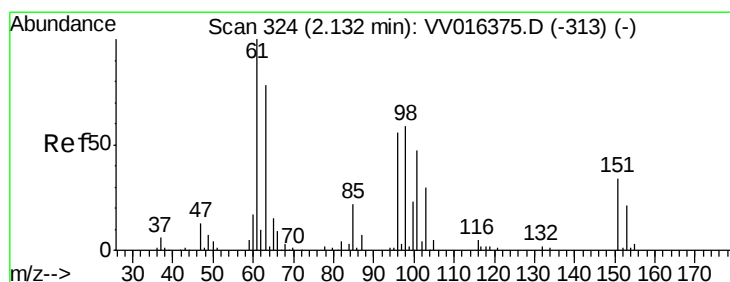
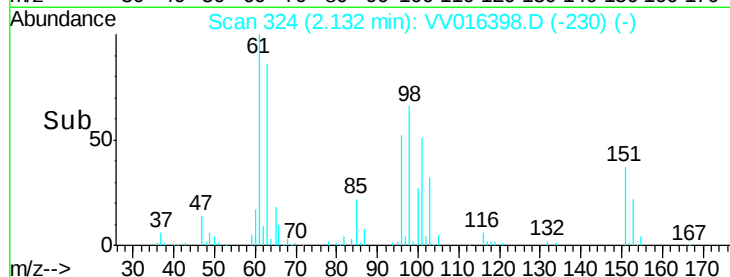
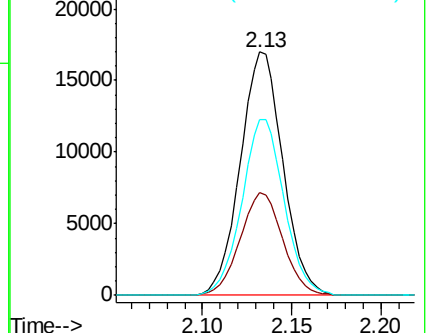
151 71.9 57.2 85.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.752 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV016398.D

Acq: 01 Jun 2020 09:25

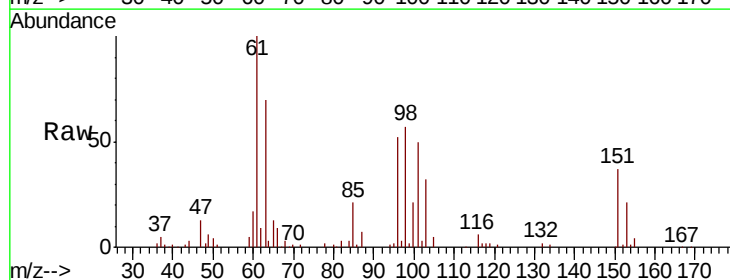
Tgt Ion: 96 Resp: 25462

Ion Ratio Lower Upper

96 100

61 191.7 125.4 233.0

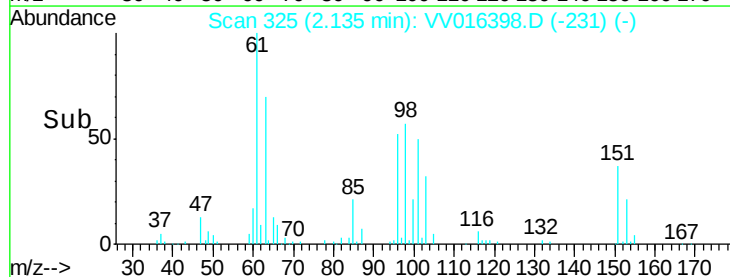
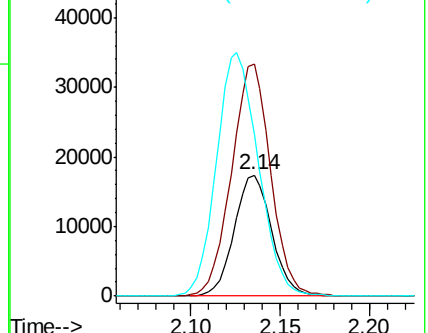
63 133.7 88.2 163.8

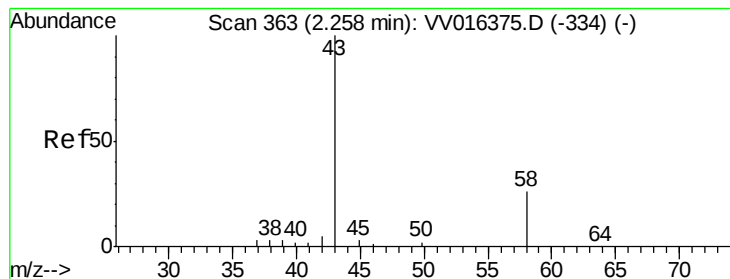


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 42.342 ug/L

RT: 2.21 min Scan# 348

Delta R.T. -0.05 min

Lab File: VV016398.D

Acq: 01 Jun 2020 09:25

Instrument :

MSVOA_V

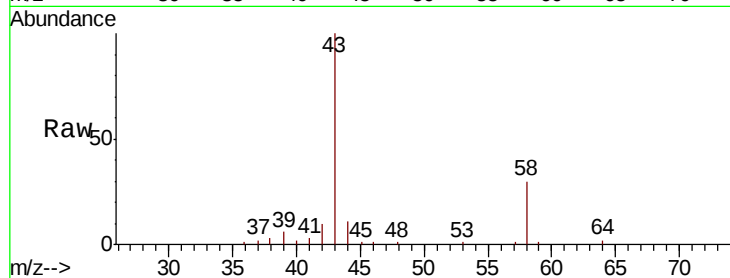
ClientSampled :

Tot Ion: 43 Resp: 44789

Ion Ratio Lower Upper

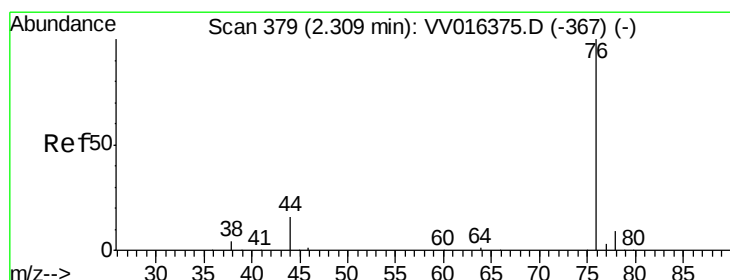
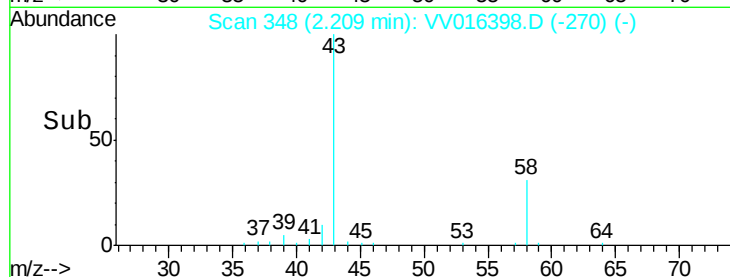
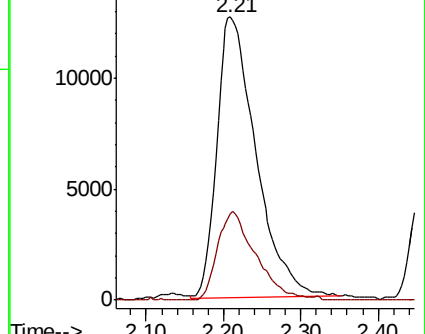
43 100

58 30.6 0.0 59.2



Abundance Ion 43.05 (42.75 to 43.75): VV016375.D (-334) (-)

Ion 58.05 (57.75 to 58.75): VV016398.D (-270) (-)



#14

Carbon disulfide

Concen: 4.856 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV016398.D

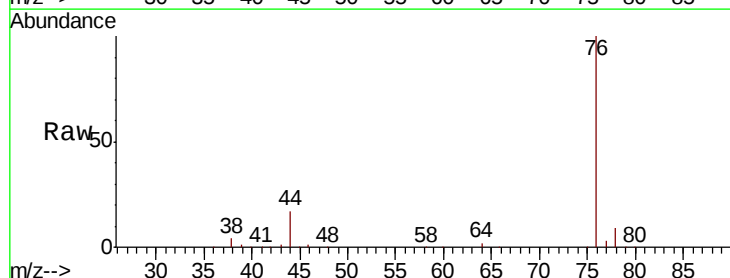
Acq: 01 Jun 2020 09:25

Tgt Ion: 76 Resp: 79123

Ion Ratio Lower Upper

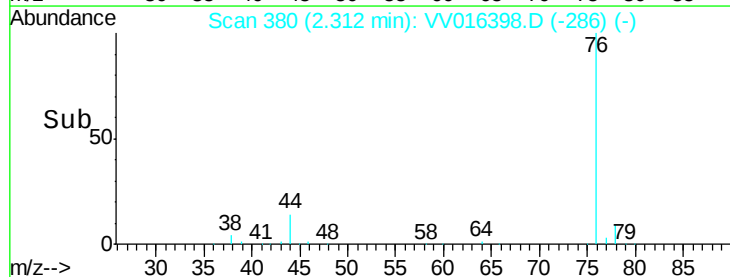
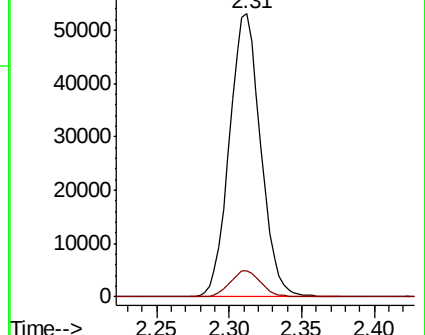
76 100

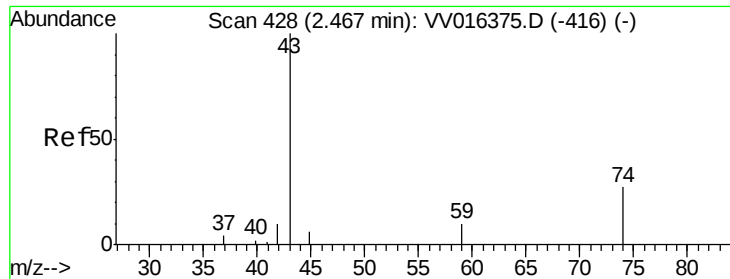
78 9.1 6.8 10.2



Abundance Ion 76.05 (75.75 to 76.75): VV016375.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VV016398.D (-286) (-)





#15

Methvl Acetate

Concen: 4.155 ug/L

RT: 2.46 min Scan# 426

Delta R.T. -0.01 min

Lab File: VV016398.D

Acq: 01 Jun 2020 09:25

Instrument :

MSVOA_V

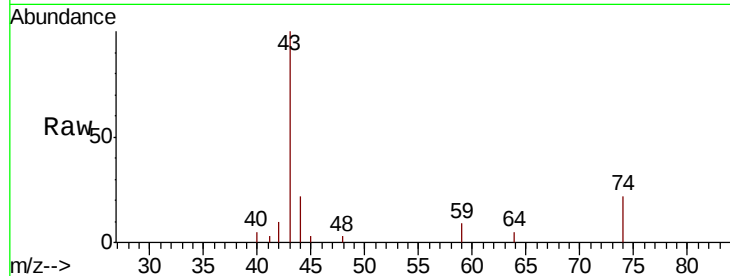
ClientSampleId :

Tot Ion: 43 Resp: 11030

Ion Ratio Lower Upper

43 100

74 21.9 18.6 28.0



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

6000

5000

4000

3000

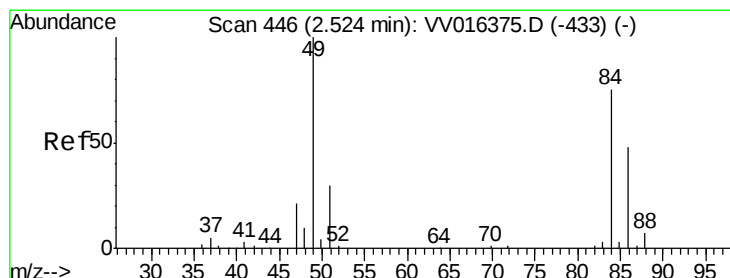
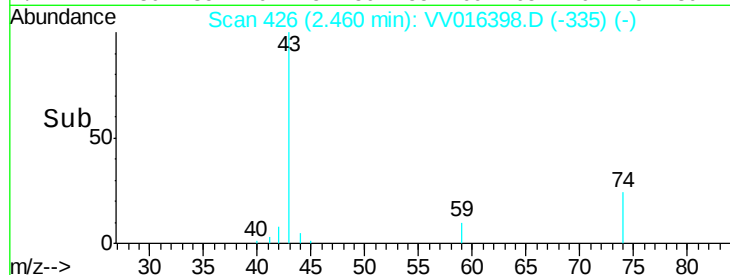
2000

1000

0

Time-->

2.40 2.45 2.50 2.55



#16

Methylene chloride

Concen: 4.721 ug/L

RT: 2.52 min Scan# 446

Delta R.T. -0.00 min

Lab File: VV016398.D

Acq: 01 Jun 2020 09:25

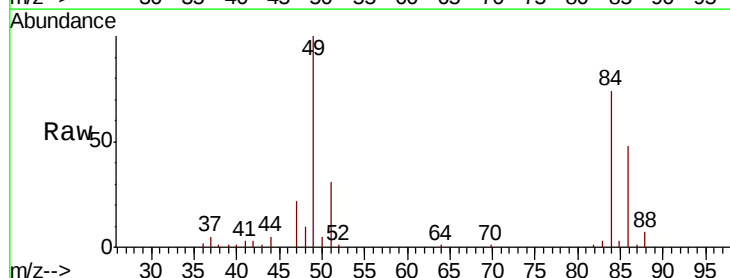
Tgt Ion: 84 Resp: 27059

Ion Ratio Lower Upper

84 100

86 64.7 44.5 82.7

49 135.9 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

30000

25000

20000

15000

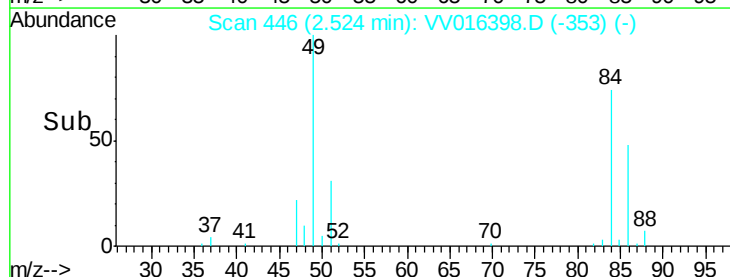
10000

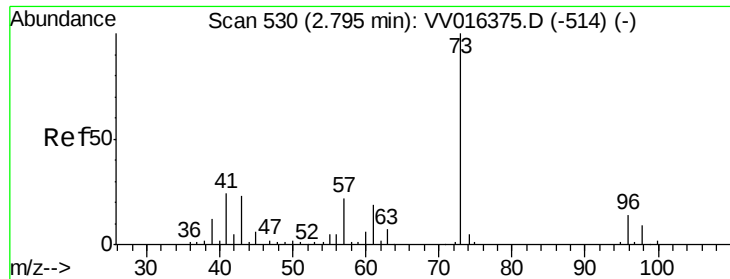
5000

0

Time-->

2.45 2.50 2.55 2.60

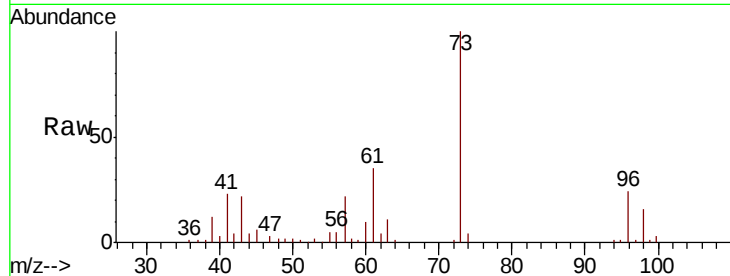




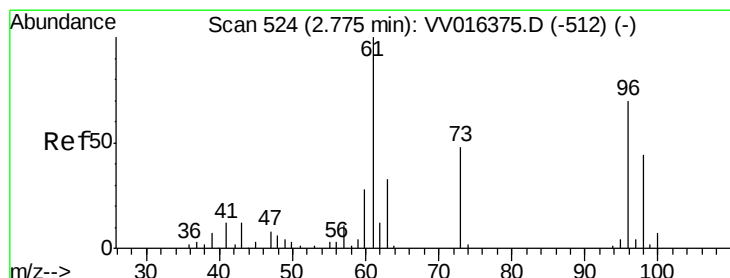
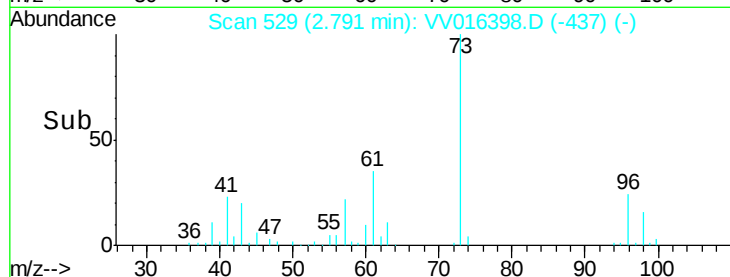
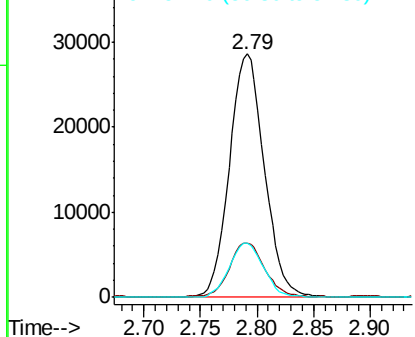
#17
Methvl tert-butvl Ether
Concen: 4.911 ug/L
RT: 2.79 min Scan# 529
Delta R.T. -0.00 min
Lab File: VV016398.D
Acq: 01 Jun 2020 09:25

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 73 Resp: 61626
Ion Ratio Lower Upper
73 100
43 23.0 19.4 29.0
57 22.0 18.4 27.6

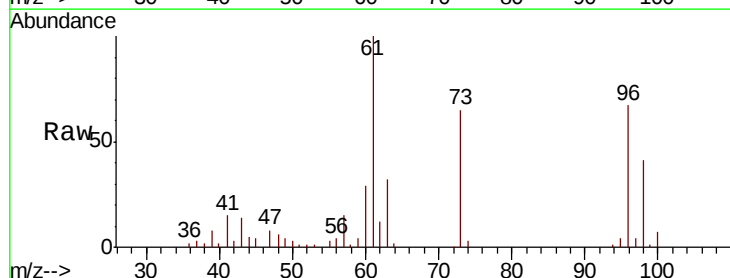


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

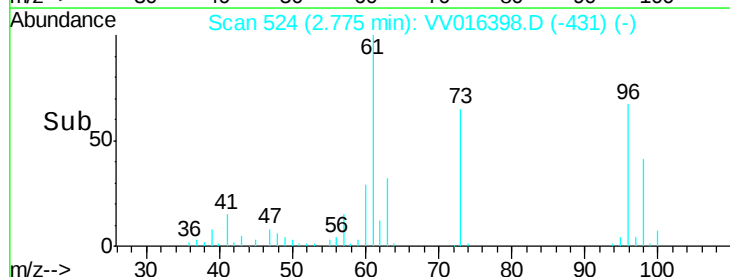
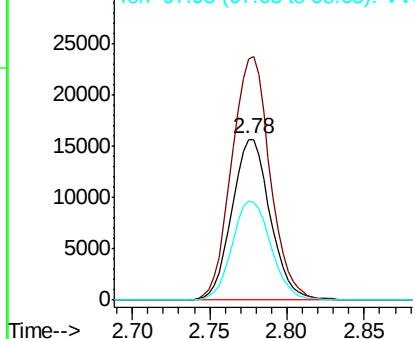


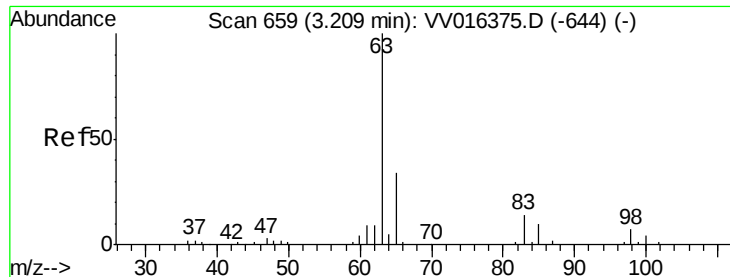
#18
trans-1,2-Dichloroethene
Concen: 4.738 ug/L
RT: 2.78 min Scan# 524
Delta R.T. -0.00 min
Lab File: VV016398.D
Acq: 01 Jun 2020 09:25

Tgt Ion: 96 Resp: 26945
Ion Ratio Lower Upper
96 100
61 149.9 103.1 191.5
98 61.6 43.0 79.8



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

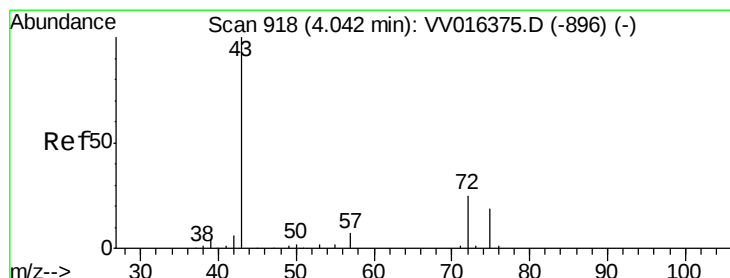
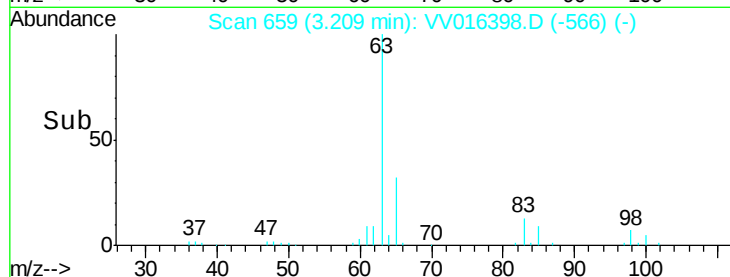
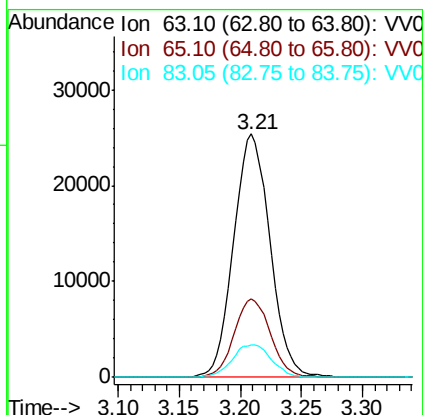
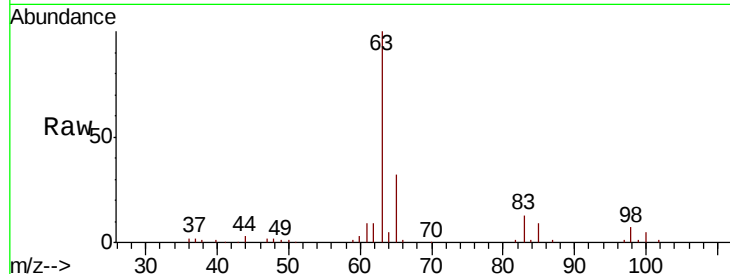




#19
 1,1-Dichloroethane
 Concen: 4.686 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VV016398.D
 Acq: 01 Jun 2020 09:25

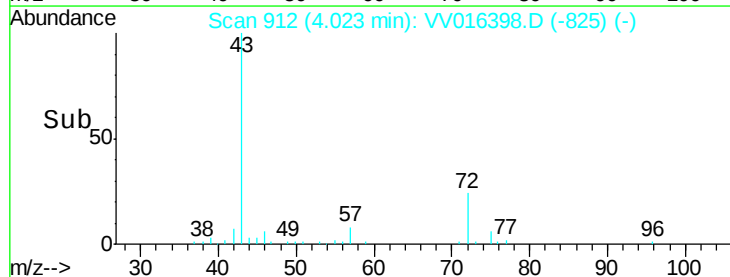
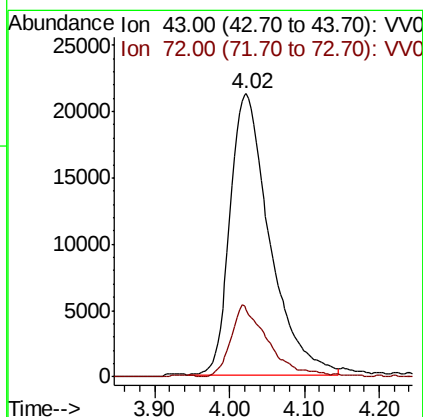
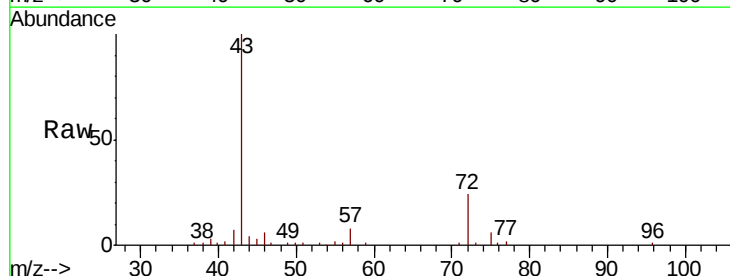
Instrument :
 MSVOA_V
 ClientSampleId :

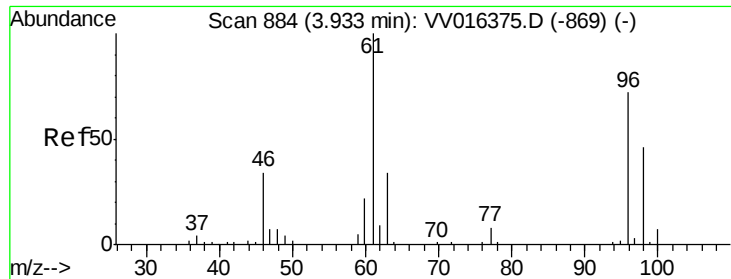
Tot Ion: 63 Resp: 52569
 Ion Ratio Lower Upper
 63 100
 65 32.2 23.3 43.3
 83 13.1 9.9 18.3



#21
 2-Butanone
 Concen: 49.997 ug/L
 RT: 4.02 min Scan# 912
 Delta R.T. -0.02 min
 Lab File: VV016398.D
 Acq: 01 Jun 2020 09:25

Tgt Ion: 43 Resp: 77987
 Ion Ratio Lower Upper
 43 100
 72 24.0 11.2 33.6



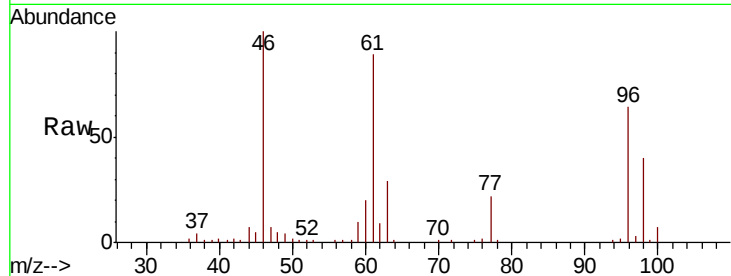


#22

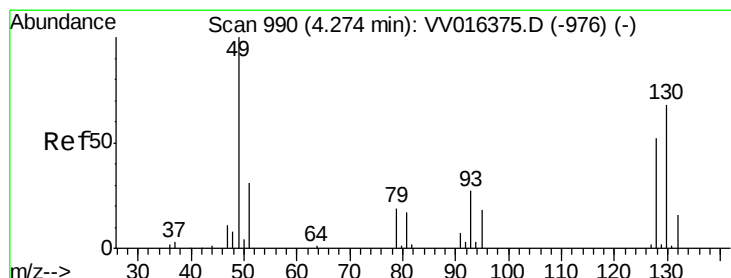
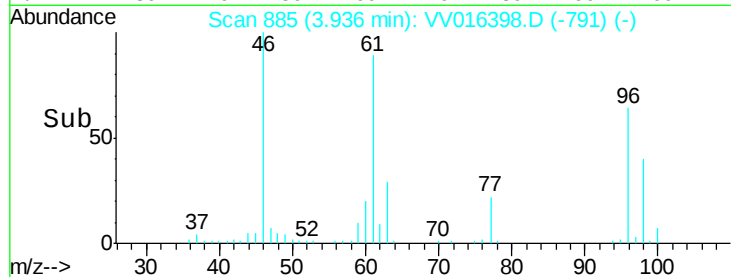
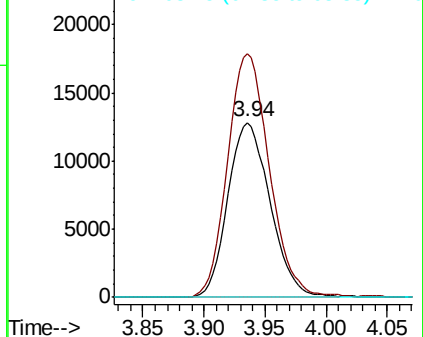
cis-1,2-Dichloroethene
Concen: 4.917 ug/L
RT: 3.94 min Scan# 885
Delta R.T. 0.00 min
Lab File: VV016398.D
Acq: 01 Jun 2020 09:25

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 96 Resp: 30866
Ion Ratio Lower Upper
96 100
61 139.1 94.8 176.0
68 0.0 0.0 0.0



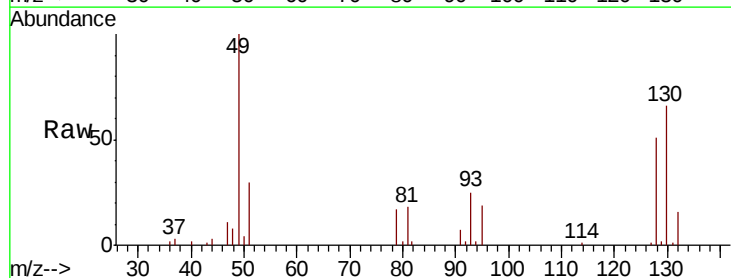
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



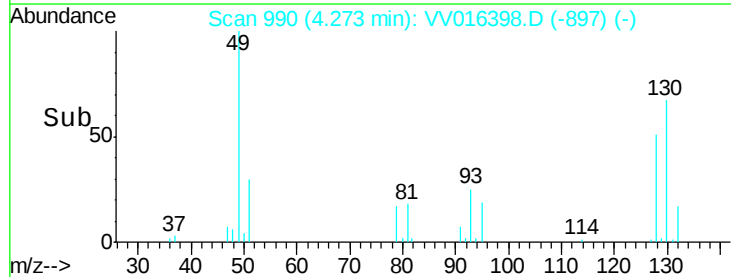
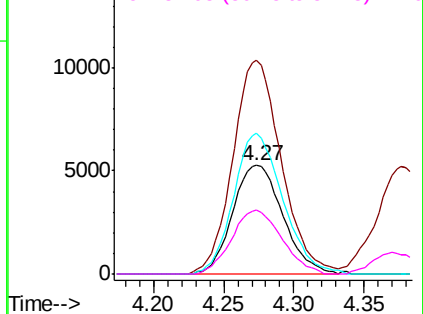
#23

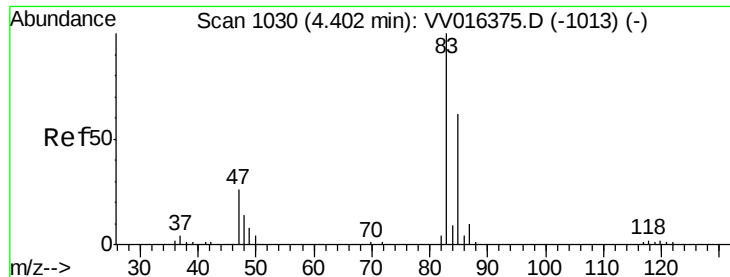
Bromochloromethane
Concen: 5.333 ug/L
RT: 4.27 min Scan# 990
Delta R.T. -0.00 min
Lab File: VV016398.D
Acq: 01 Jun 2020 09:25

Tgt Ion:128 Resp: 13065
Ion Ratio Lower Upper
128 100
49 196.8 141.5 262.9
130 129.5 90.4 167.8
51 58.8 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

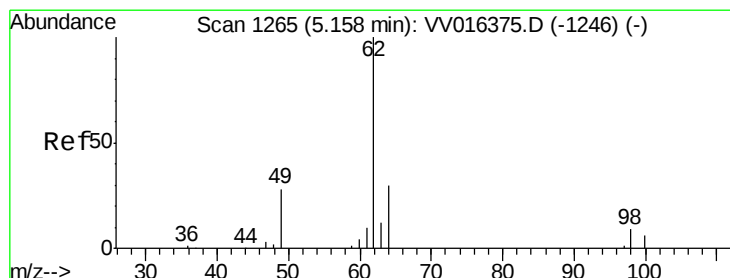
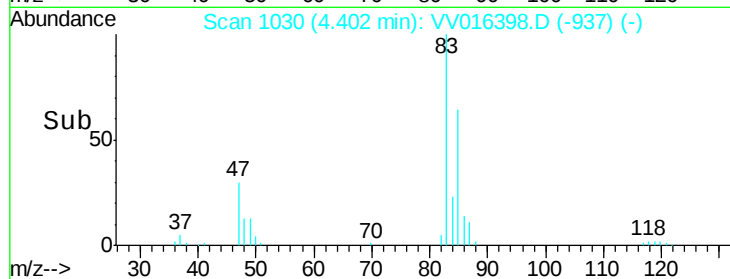
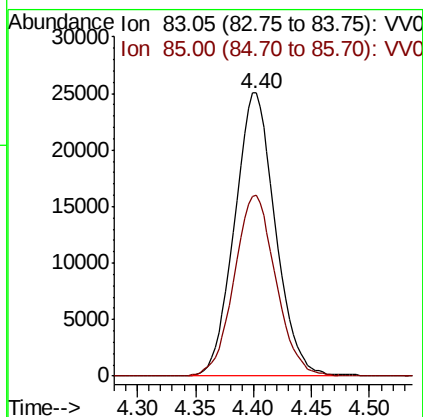
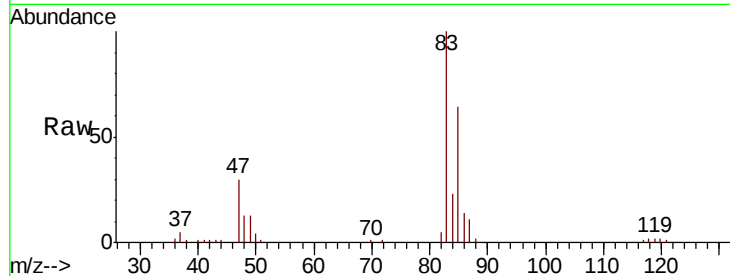




#25
Chloroform
Concen: 5.434 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV016398.D
Acq: 01 Jun 2020 09:25

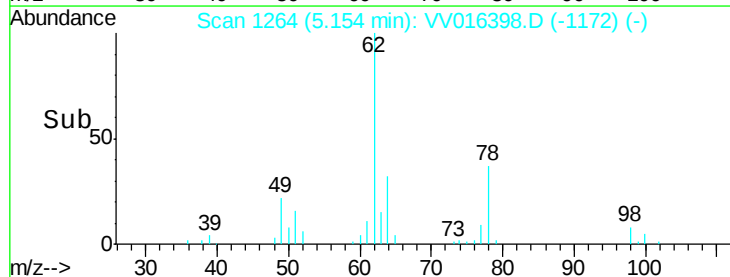
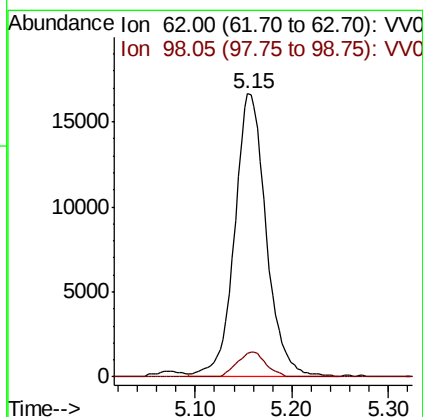
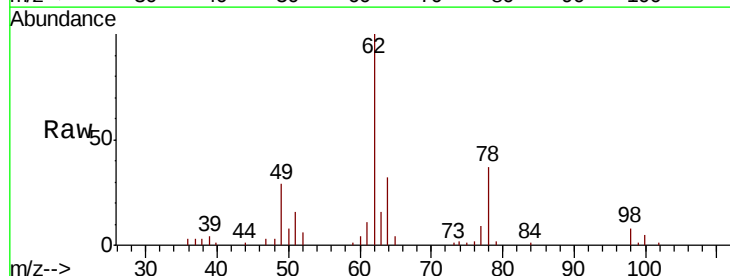
Instrument :
MSVOA_V
ClientSampleId :

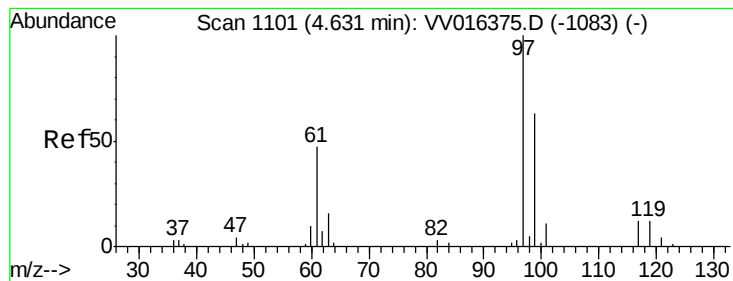
Tot Ion: 83 Resp: 61100
Ion Ratio Lower Upper
83 100
85 63.8 45.8 85.2



#27
1,2-Dichloroethane
Concen: 5.101 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV016398.D
Acq: 01 Jun 2020 09:25

Tgt Ion: 62 Resp: 37823
Ion Ratio Lower Upper
62 100
98 8.1 7.0 10.4





#29

1,1,1-Trichloroethane

Concen: 5.221 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VV016398.D

Acq: 01 Jun 2020 09:25

Instrument :

MSVOA_V

ClientSampleId :

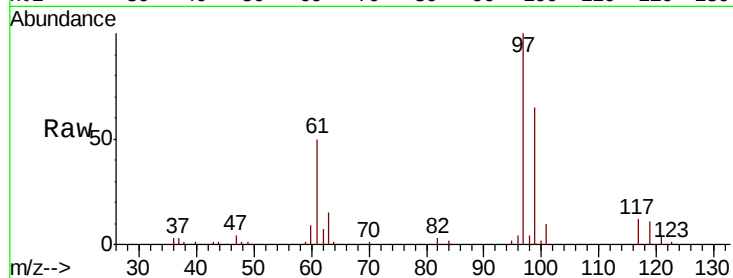
Tot Ion: 97 Resp: 49684

Ion Ratio Lower Upper

97 100

99 62.9 52.0 78.0

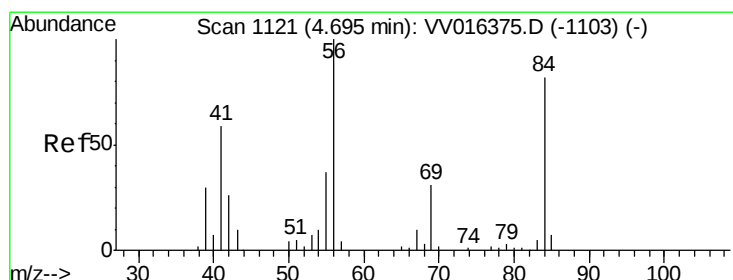
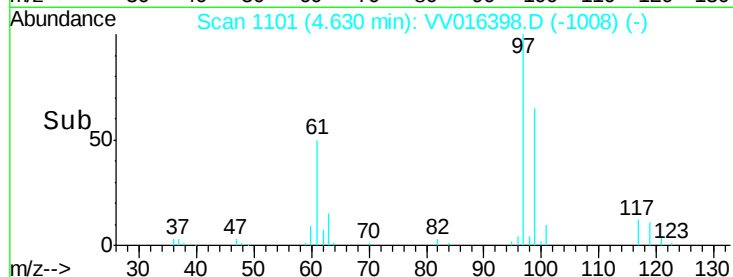
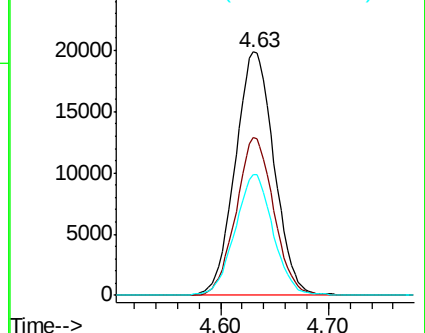
61 48.7 39.8 59.6



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 4.983 ug/L

RT: 4.70 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VV016398.D

Acq: 01 Jun 2020 09:25

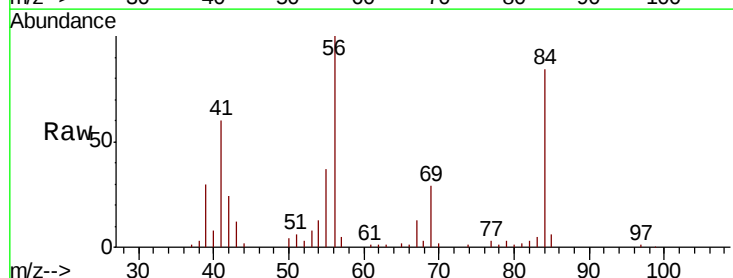
Tgt Ion: 56 Resp: 51045

Ion Ratio Lower Upper

56 100

69 29.7 23.5 35.3

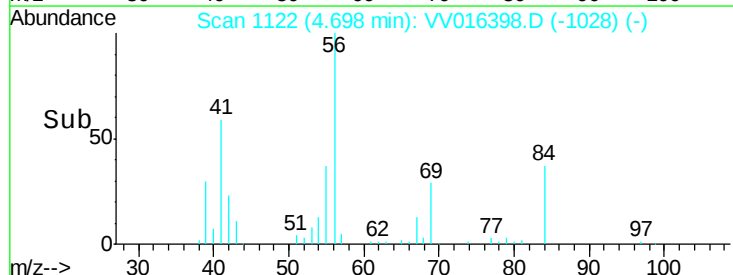
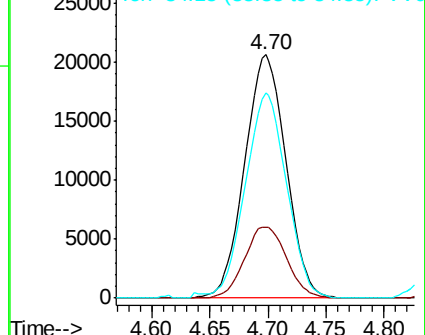
84 84.1 65.8 98.8

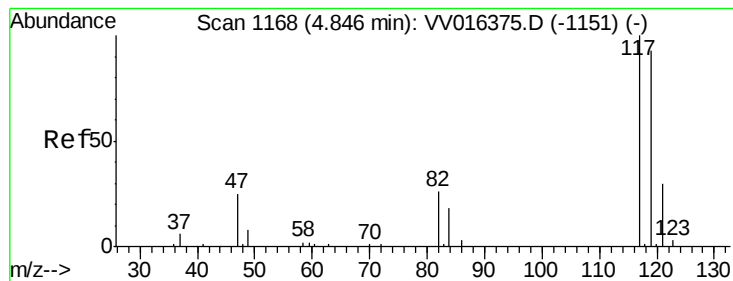


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 5.113 ug/L

RT: 4.85 min Scan# 1169

Delta R.T. 0.00 min

Lab File: VV016398.D

Acq: 01 Jun 2020 09:25

Instrument :

MSVOA_V

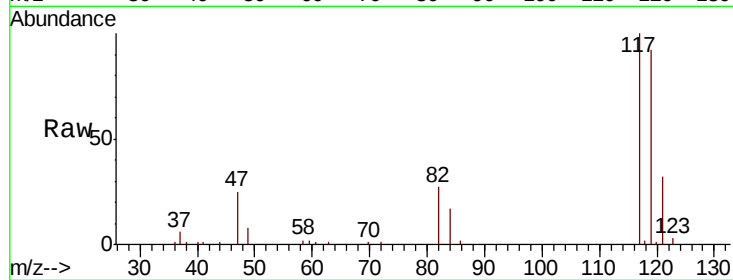
ClientSampleId :

Tot Ion:117 Resp: 41884

Ion Ratio Lower Upper

117 100

119 95.5 75.3 112.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.85

20000

15000

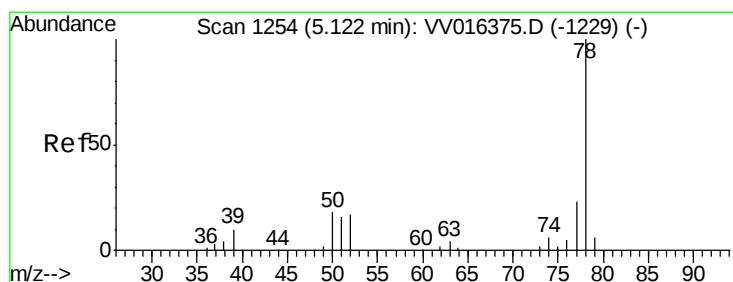
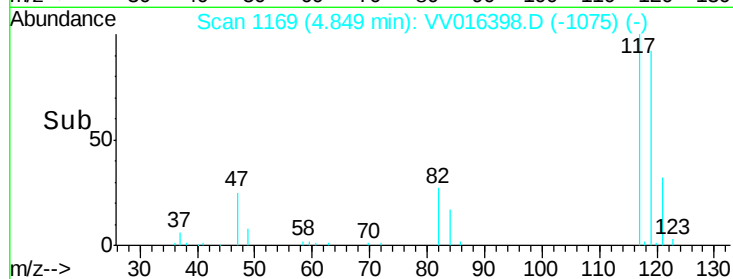
10000

5000

0

Time-->

4.75 4.80 4.85 4.90 4.95



#33

Benzene

Concen: 5.102 ug/L

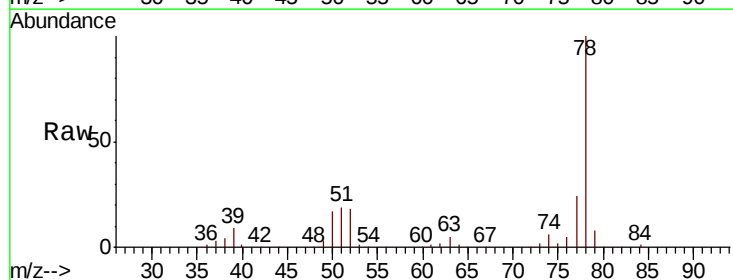
RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VV016398.D

Acq: 01 Jun 2020 09:25

Tgt Ion: 78 Resp: 121968



Abundance Ion 78.10 (77.80 to 78.80): VV0

5.12

60000

50000

40000

30000

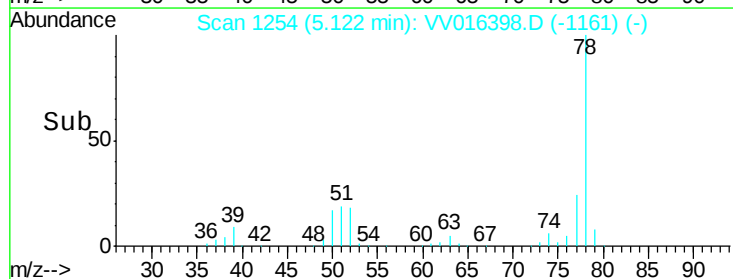
20000

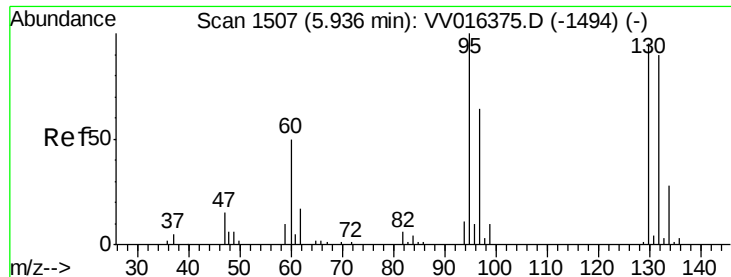
10000

0

Time-->

5.00 5.10 5.20

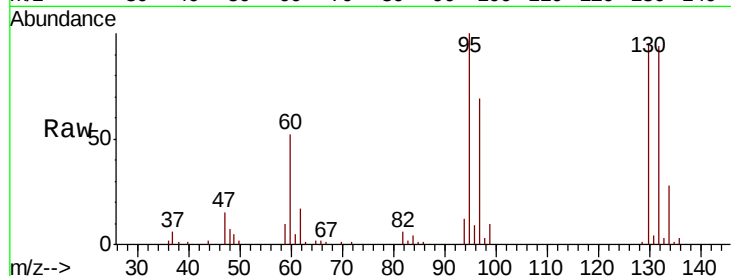




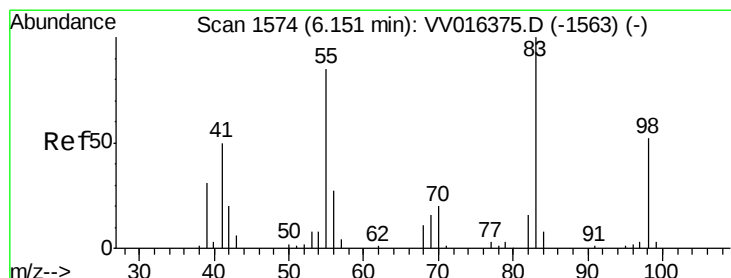
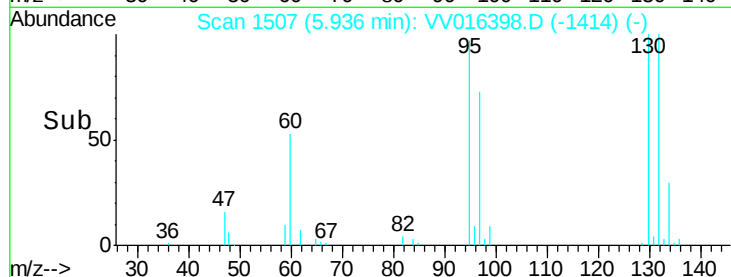
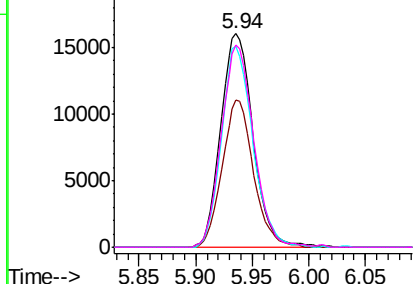
#34
 Trichloroethene
 Concen: 5.093 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VV016398.D
 Acq: 01 Jun 2020 09:25

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 95 Resp: 31914
 Ion Ratio Lower Upper
 95 100
 97 68.8 42.6 79.0
 132 94.3 59.6 110.8
 130 94.7 64.8 120.4

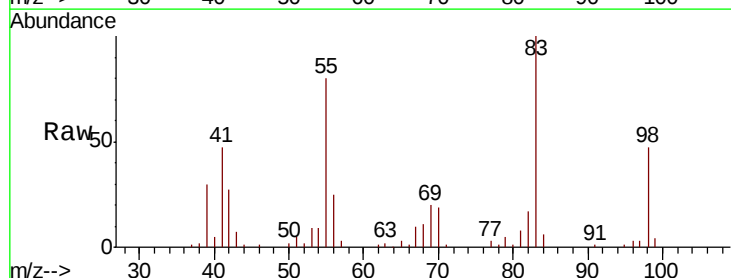


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

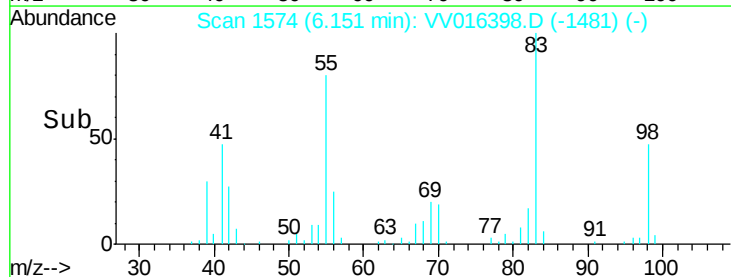
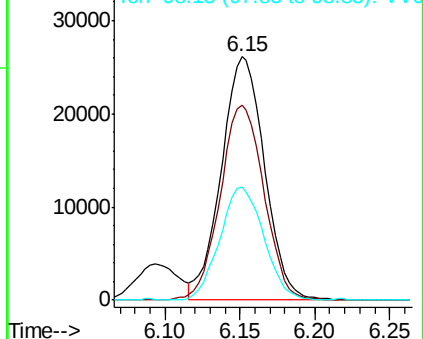


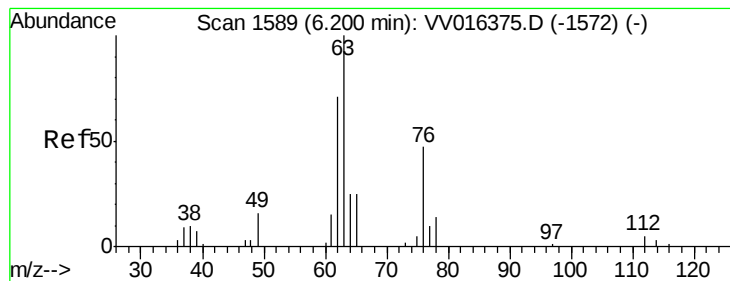
#35
 Methylcyclohexane
 Concen: 5.210 ug/L
 RT: 6.15 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VV016398.D
 Acq: 01 Jun 2020 09:25

Tgt Ion: 83 Resp: 52589
 Ion Ratio Lower Upper
 83 100
 55 81.0 67.0 100.4
 98 47.2 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: 5.092 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. -0.00 min

Lab File: VV016398.D

Acq: 01 Jun 2020 09:25

Instrument :

MSVOA_V

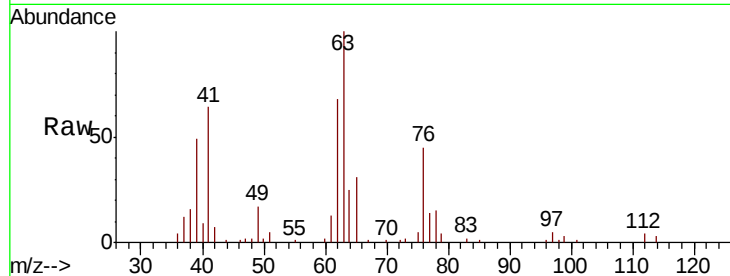
ClientSampleId :

Tot Ion: 63 Resp: 30770

Ion Ratio Lower Upper

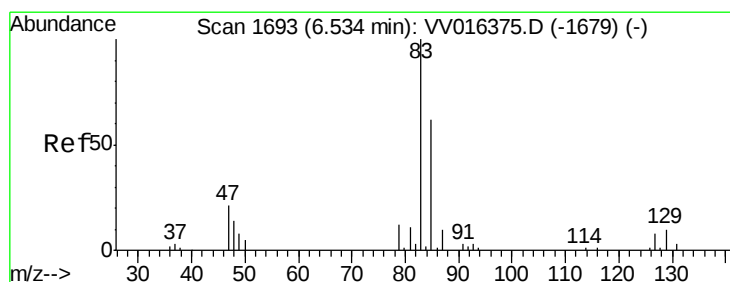
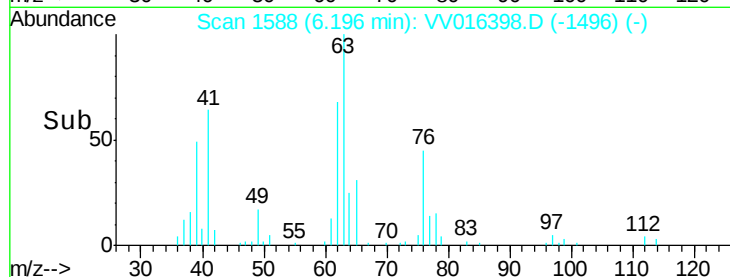
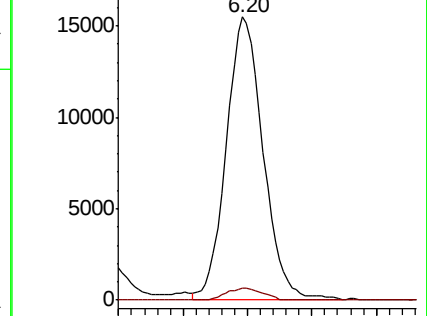
63 100

112 4.1 3.4 5.0



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): V



#38

Bromodichloromethane

Concen: 5.124 ug/L

RT: 6.53 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VV016398.D

Acq: 01 Jun 2020 09:25

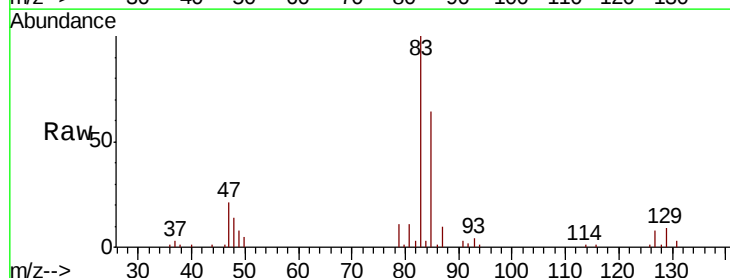
Tgt Ion: 83 Resp: 37236

Ion Ratio Lower Upper

83 100

85 63.6 44.2 82.2

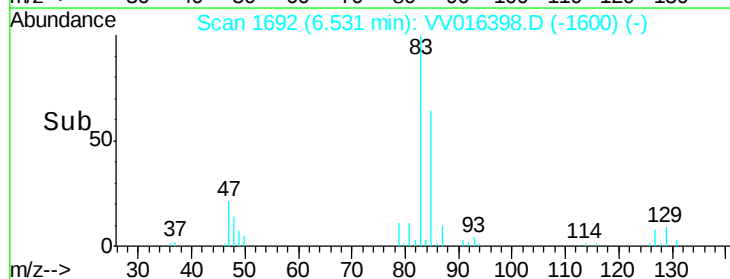
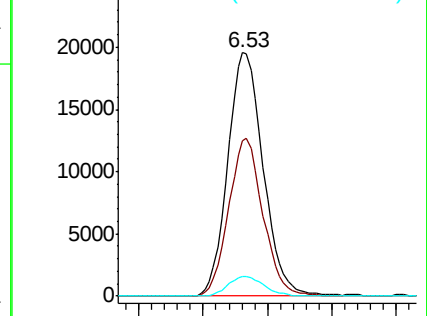
127 8.2 6.3 9.5

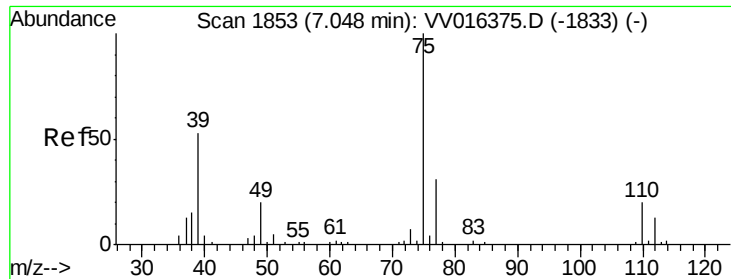


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 126.90 (126.60 to 127.60): V

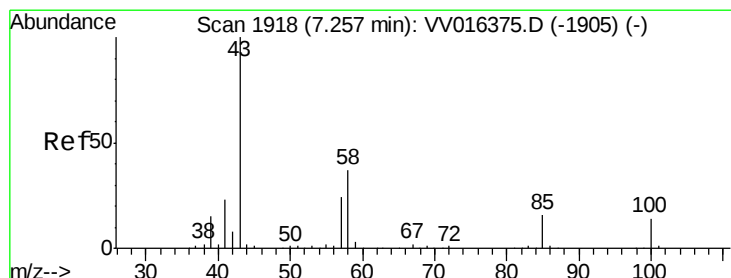
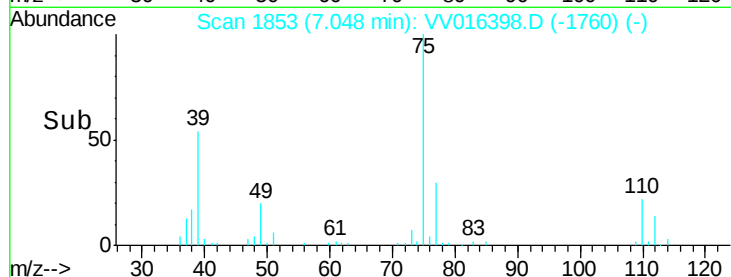
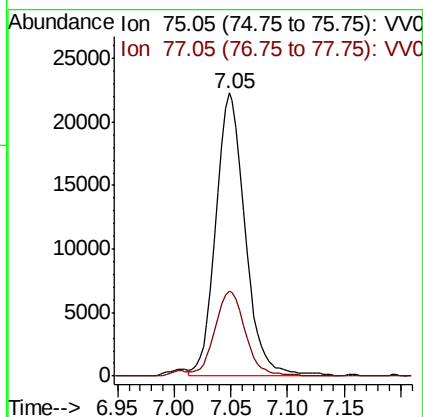
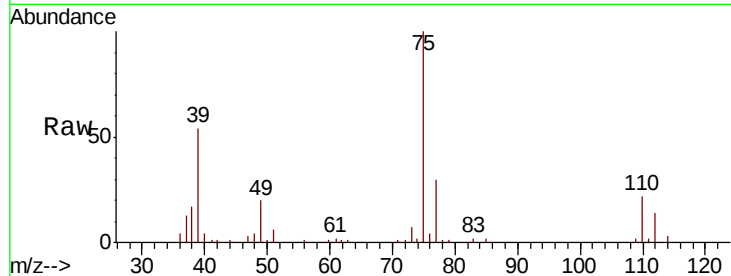




#39
 cis-1,3-Dichloropropene
 Concen: 5.045 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV016398.D
 Acq: 01 Jun 2020 09:25

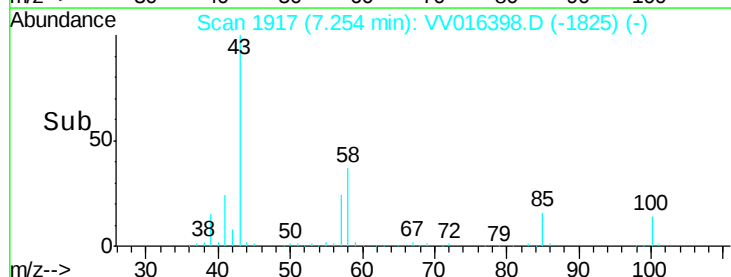
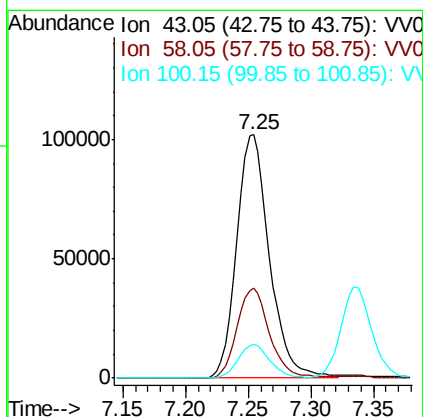
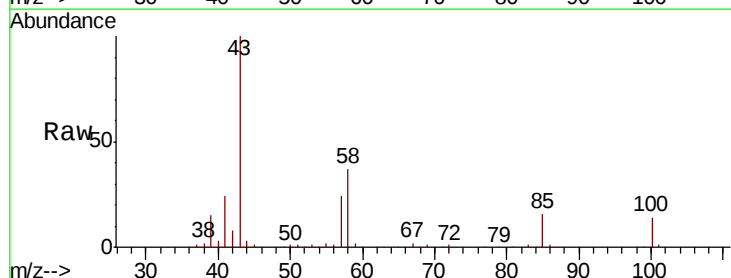
Instrument :
 MSVOA_V
 ClientSampled :

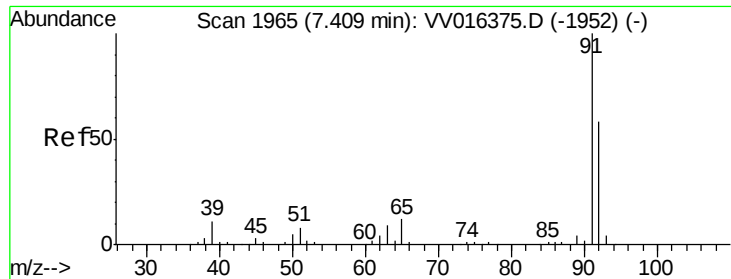
Tot Ion: 75 Resp: 40273
 Ion Ratio Lower Upper
 75 100
 77 30.1 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 50.847 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. -0.00 min
 Lab File: VV016398.D
 Acq: 01 Jun 2020 09:25

Tgt Ion: 43 Resp: 185571
 Ion Ratio Lower Upper
 43 100
 58 36.6 29.5 44.3
 100 13.5 11.0 16.6





#42

Toluene

Concen: 5.234 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV016398.D

Acq: 01 Jun 2020 09:25

Instrument :

MSVOA_V

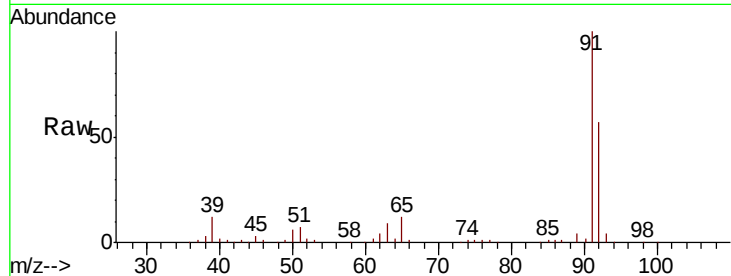
ClientSampleId :

Tot Ion: 91 Resp: 132978

Ion Ratio Lower Upper

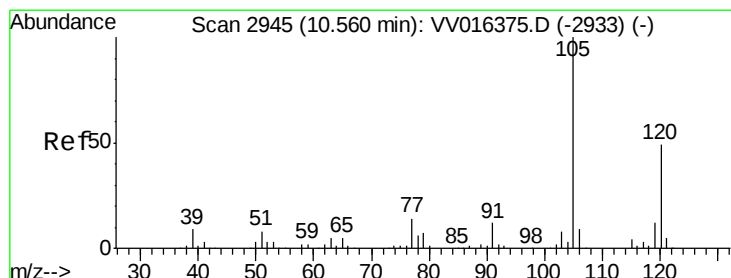
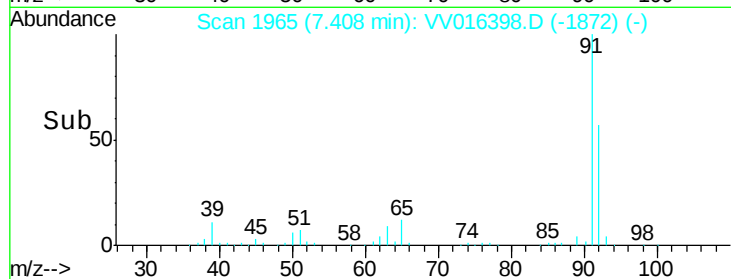
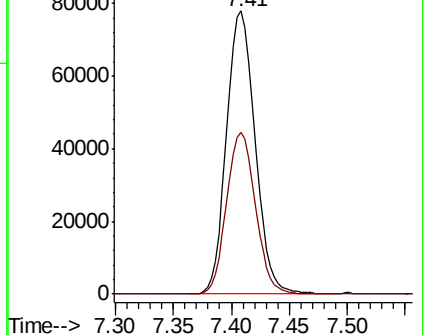
91 100

92 57.4 40.5 75.1



Abundance Ion 91.15 (90.85 to 91.85): VV016375.D (-1952) (-)

Ion 92.15 (91.85 to 92.85): VV016375.D (-1952) (-)



#43

1,3,5-Trimethylbenzene

Concen: 5.195 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VV016398.D

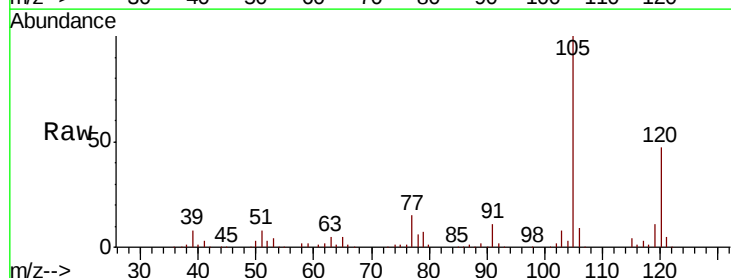
Acq: 01 Jun 2020 09:25

Tgt Ion:105 Resp: 117075

Ion Ratio Lower Upper

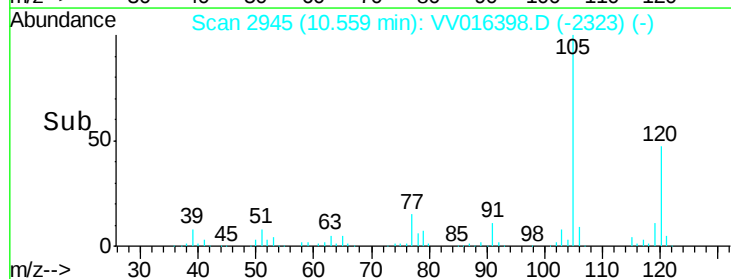
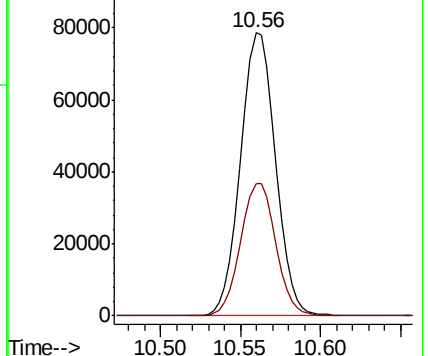
105 100

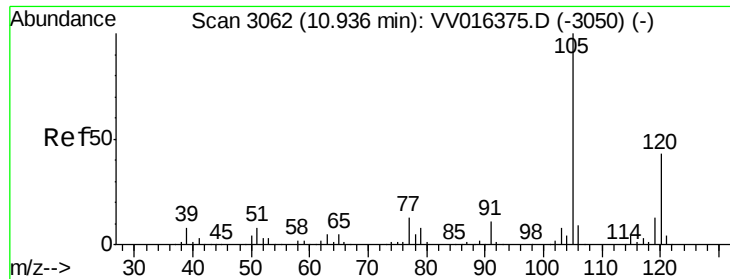
120 47.1 37.5 56.3



Abundance Ion 105.00 (104.70 to 105.70): VV016375.D (-2933) (-)

Ion 120.00 (119.70 to 120.70): VV016375.D (-2933) (-)

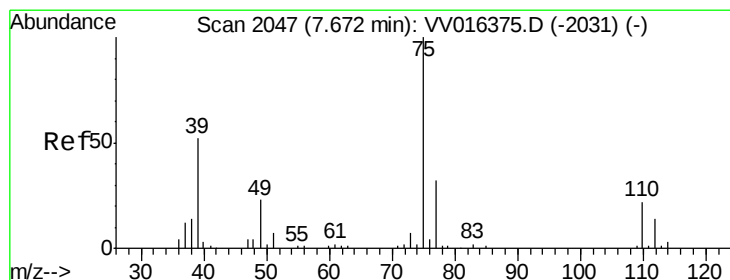
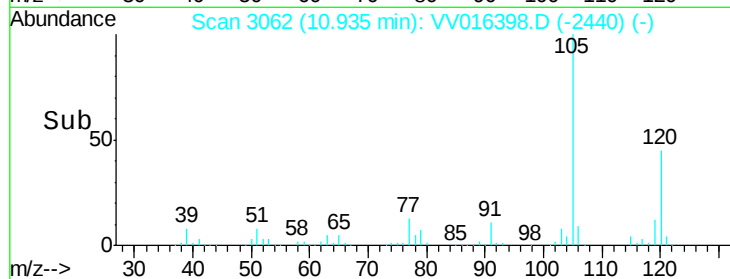
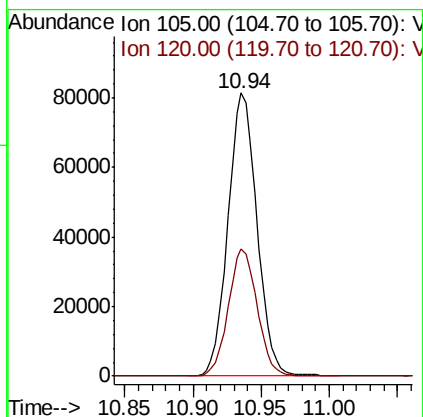
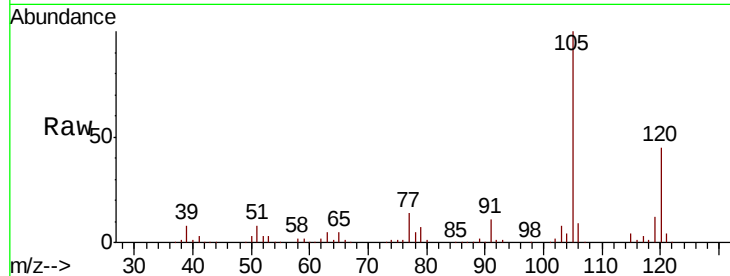




#44
 1,2,4-Trimethylbenzene
 Concen: 5.249 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VV016398.D
 Acq: 01 Jun 2020 09:25

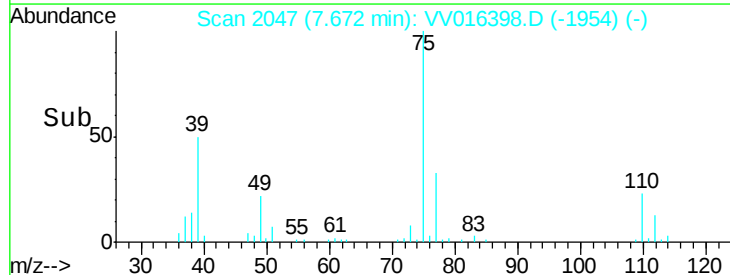
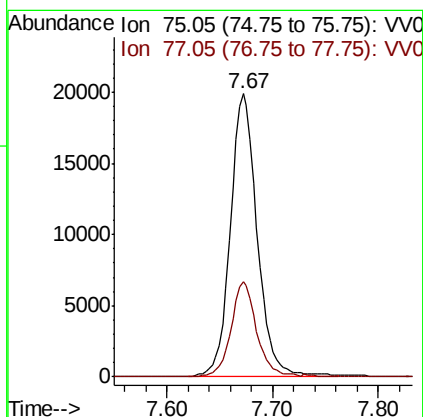
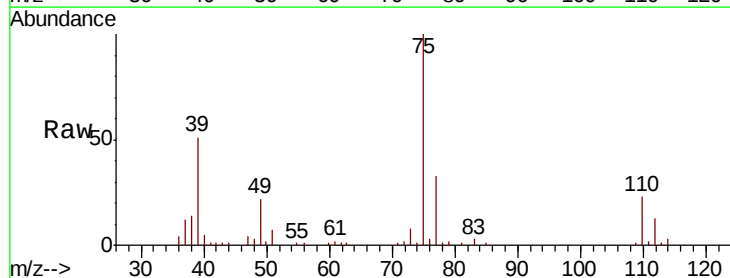
Instrument :
 MSVOA_V
 ClientSampled :

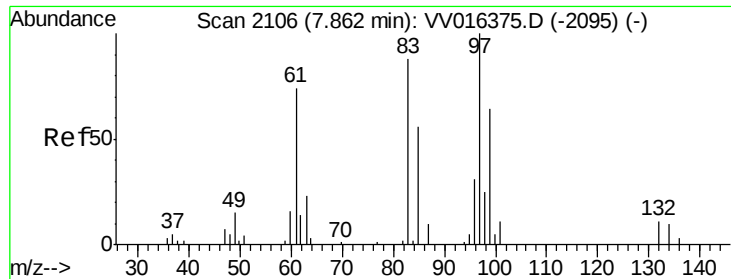
Tot Ion:105 Resp: 120502
 Ion Ratio Lower Upper
 105 100
 120 44.5 35.5 53.3



#46
 trans-1,3-Dichloropropene
 Concen: 5.334 ug/L
 RT: 7.67 min Scan# 2047
 Delta R.T. -0.00 min
 Lab File: VV016398.D
 Acq: 01 Jun 2020 09:25

Tgt Ion: 75 Resp: 35175
 Ion Ratio Lower Upper
 75 100
 77 33.4 21.1 39.3

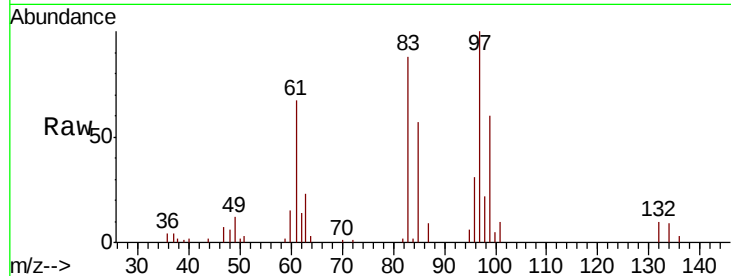




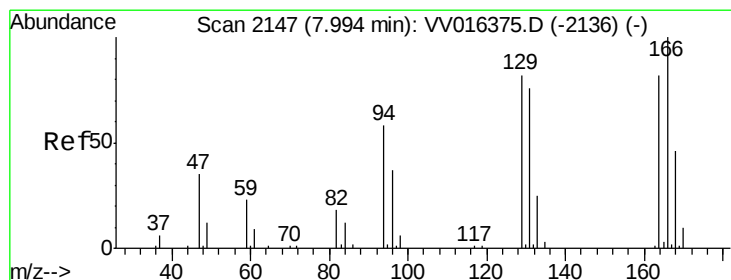
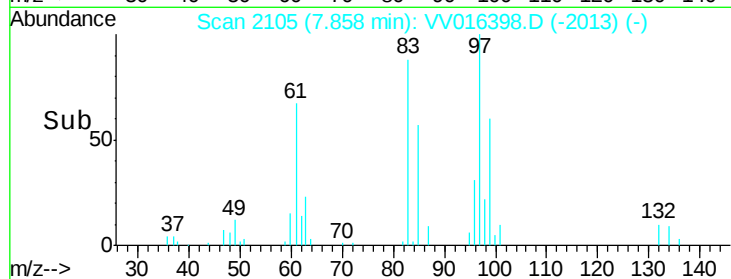
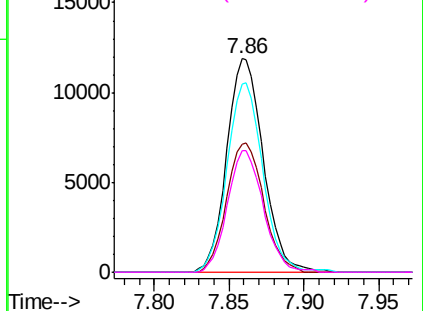
#47
 1,1,2-Trichloroethane
 Concen: 5.238 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VV016398.D
 Acq: 01 Jun 2020 09:25

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	20247
Ion	Ratio	Lower	Upper
97	100		
99	60.2	47.0	87.2
83	88.2	61.7	114.5
85	56.9	39.1	72.5

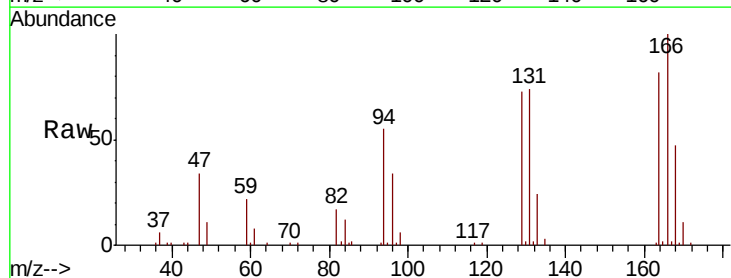


Abundance Ion 96.95 (96.65 to 97.65): VV016398.D (-2013) (-)
 Ion 99.05 (98.75 to 99.75): VV016398.D (-2013) (-)
 Ion 82.95 (82.65 to 83.65): VV016398.D (-2013) (-)
 Ion 85.00 (84.70 to 85.70): VV016398.D (-2013) (-)

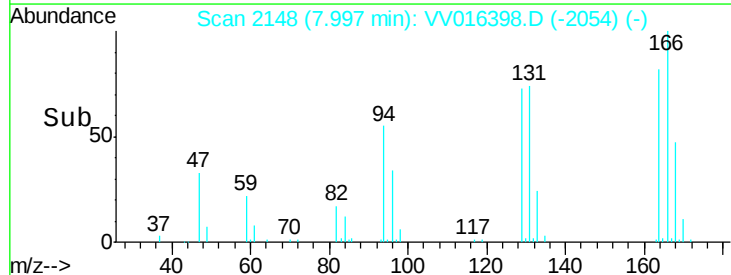
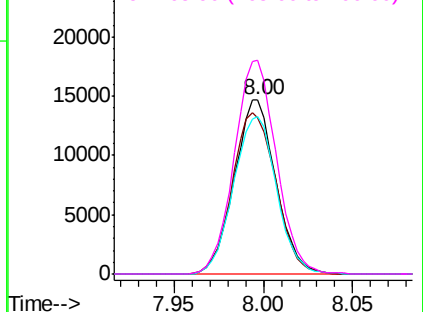


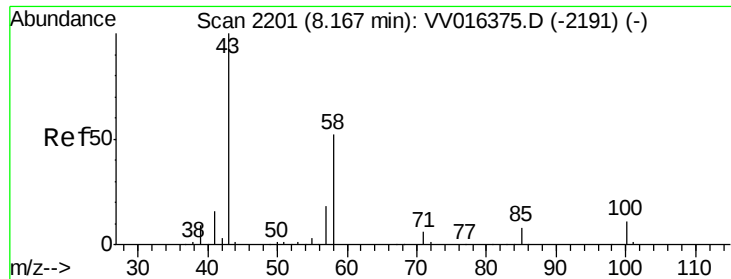
#49
 Tetrachloroethene
 Concen: 5.175 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV016398.D
 Acq: 01 Jun 2020 09:25

Tgt Ion:	164	Resp:	23787
Ion	Ratio	Lower	Upper
164	100		
129	89.2	72.2	134.0
131	90.3	65.8	122.2
166	122.3	88.3	163.9



Abundance Ion 163.90 (163.60 to 164.60): VV016398.D (-2054) (-)
 Ion 128.95 (128.65 to 129.65): VV016398.D (-2054) (-)
 Ion 130.95 (130.65 to 131.65): VV016398.D (-2054) (-)
 Ion 165.90 (165.60 to 166.60): VV016398.D (-2054) (-)

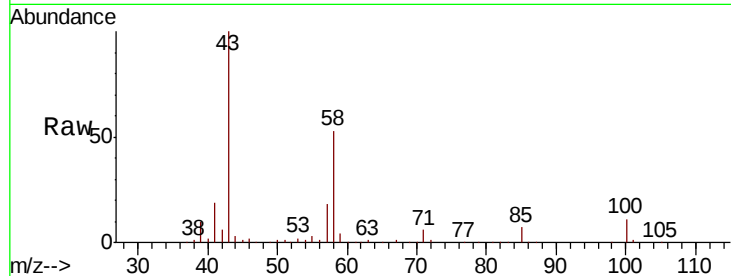




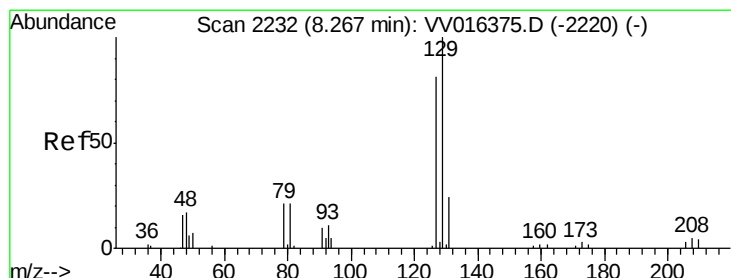
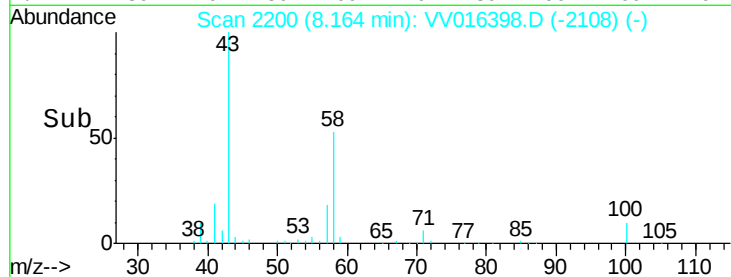
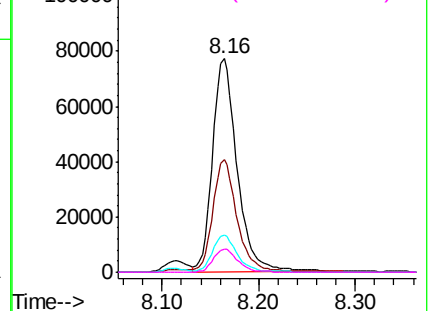
#50
2-Hexanone
Concen: 53.596 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. -0.00 min
Lab File: VV016398.D
Acq: 01 Jun 2020 09:25

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 136433
Ion Ratio Lower Upper
43 100
58 52.2 41.1 61.7
57 18.0 14.2 21.4
100 10.9 8.8 13.2

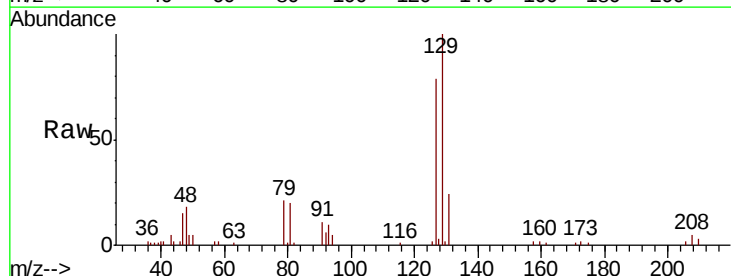


Abundance Ion 43.05 (42.75 to 43.75): VV016398.D (-2108) (-)
Ion 58.05 (57.75 to 58.75): VV016398.D (-2108) (-)
Ion 57.20 (56.90 to 57.90): VV016398.D (-2108) (-)
Ion 100.15 (99.85 to 100.85): VV016398.D (-2108) (-)

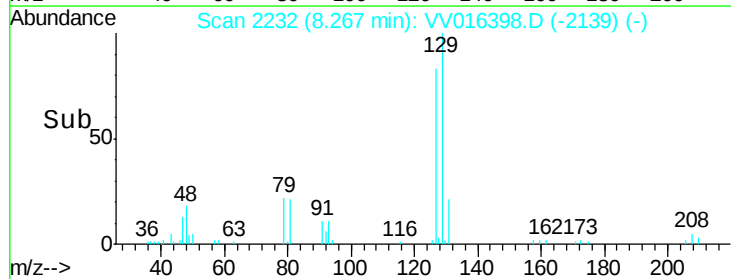
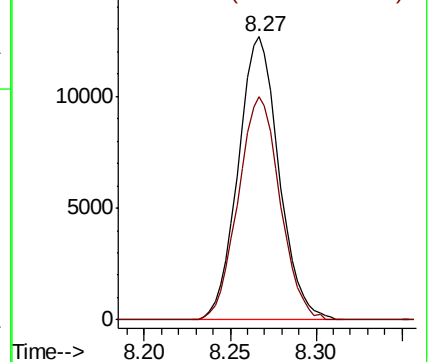


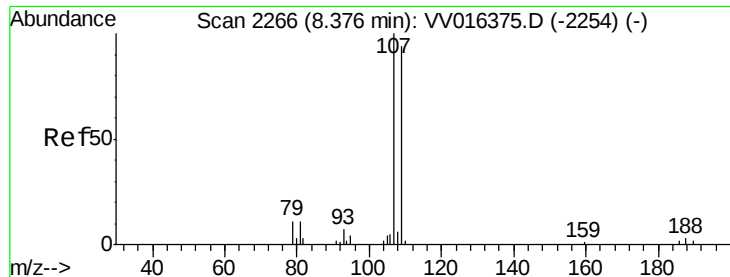
#51
Dibromochloromethane
Concen: 5.157 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV016398.D
Acq: 01 Jun 2020 09:25

Tgt Ion: 129 Resp: 20841
Ion Ratio Lower Upper
129 100
127 78.8 57.0 105.8



Abundance Ion 128.95 (128.65 to 129.65): VV016398.D (-2139) (-)
Ion 126.90 (126.60 to 127.60): VV016398.D (-2139) (-)

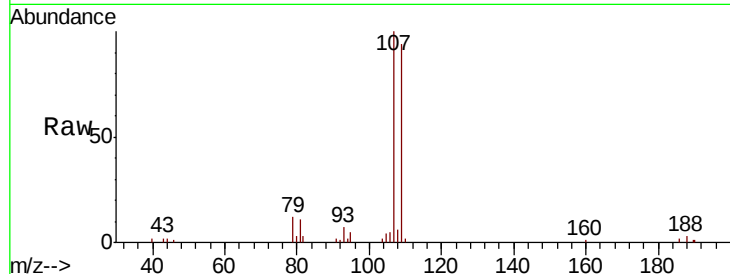




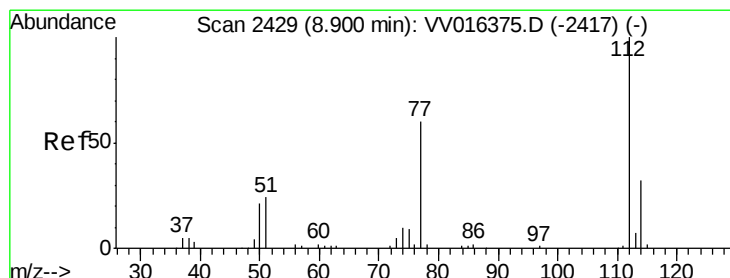
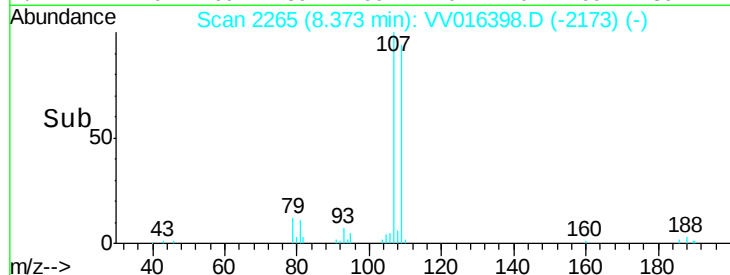
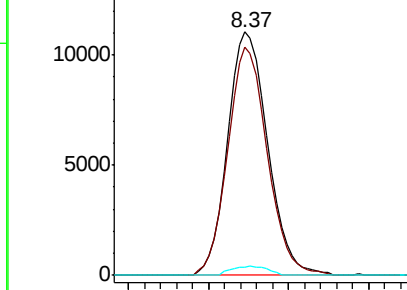
#52
 1,2-Dibromoethane
 Concen: 5.167 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. -0.00 min
 Lab File: VV016398.D
 Acq: 01 Jun 2020 09:25

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	65.9	122.3
188	3.4	3.0	4.4

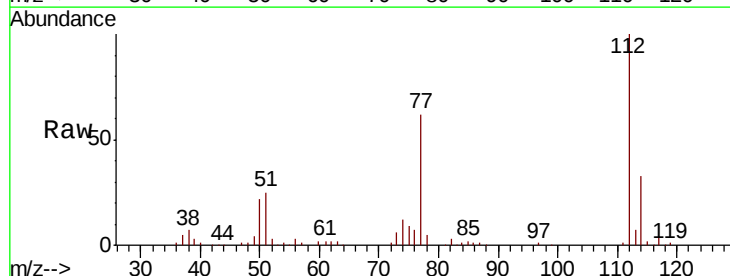


Abundance Ion 106.95 (106.65 to 107.65): V
 15000 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

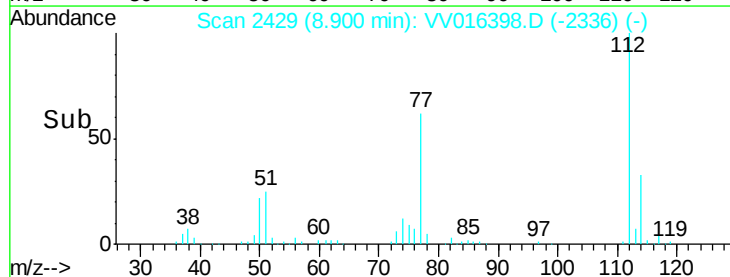
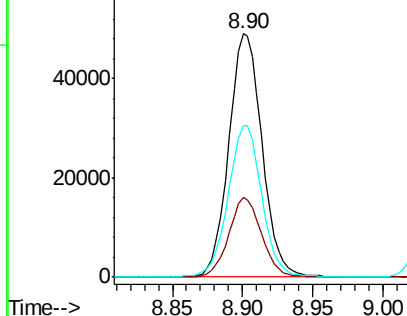


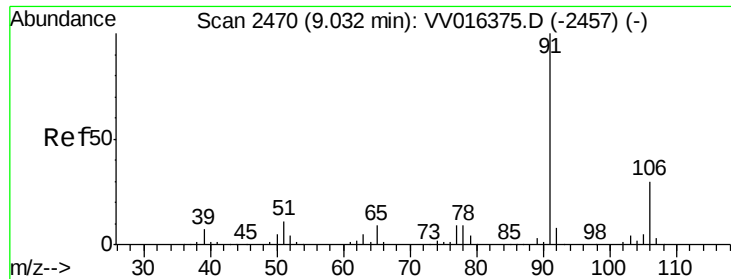
#53
 Chlorobenzene
 Concen: 5.100 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. -0.00 min
 Lab File: VV016398.D
 Acq: 01 Jun 2020 09:25

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.5	22.6	42.0
77	62.2	50.5	75.7



Abundance Ion 112.10 (111.80 to 112.80): V
 60000 Ion 114.05 (113.75 to 114.75): V
 Ion 77.10 (76.80 to 77.80): VV0

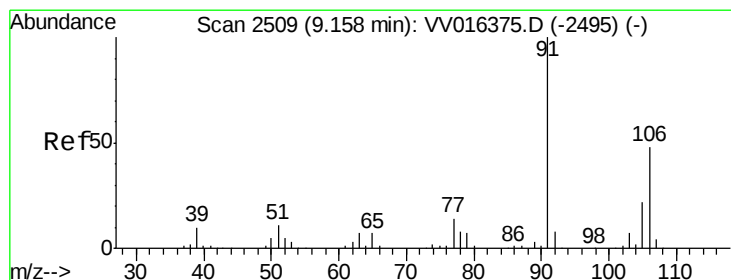
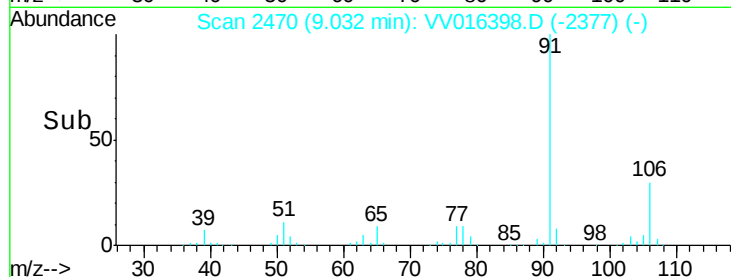
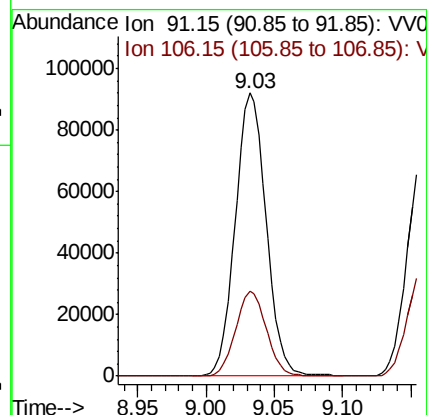
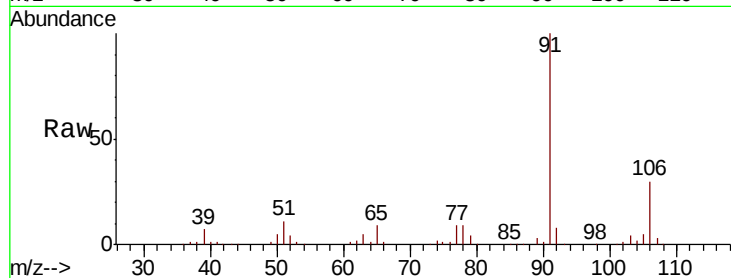




#54
Ethylbenzene
Concen: 5.165 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. -0.00 min
Lab File: VV016398.D
Acq: 01 Jun 2020 09:25

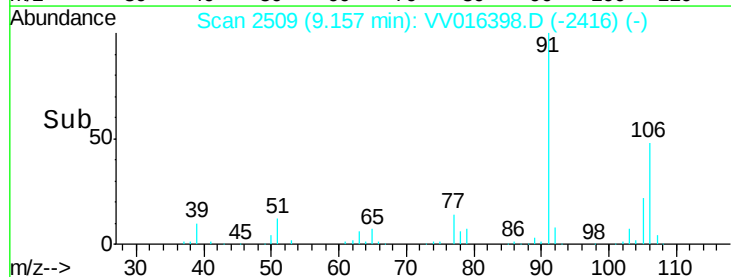
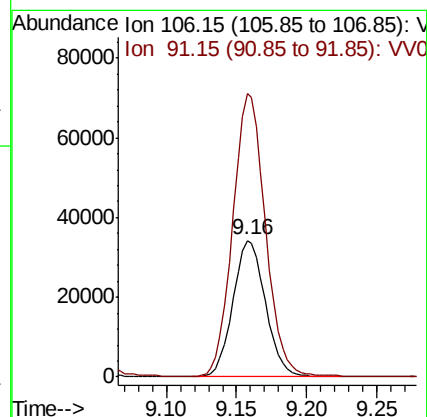
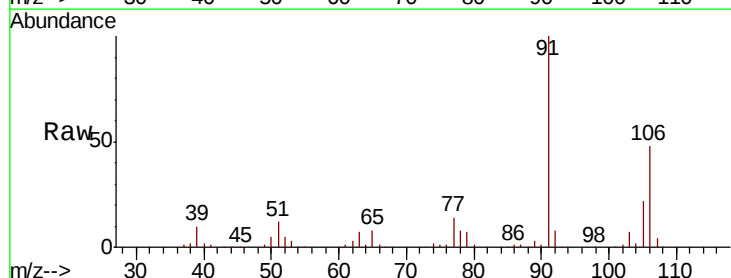
Instrument :
MSVOA_V
ClientSampled :

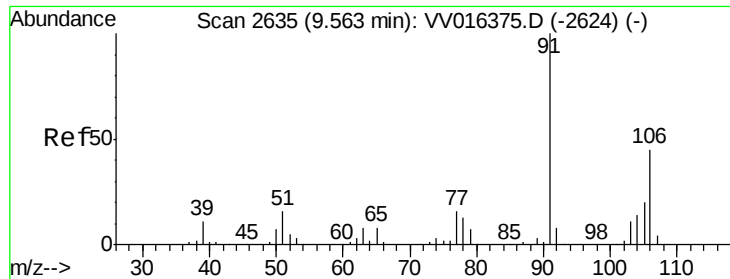
Tot Ion: 91 Resp: 144740
Ion Ratio Lower Upper
91 100
106 30.0 21.4 39.8



#55
m,p-xylene
Concen: 5.284 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VV016398.D
Acq: 01 Jun 2020 09:25

Tgt Ion: 106 Resp: 55417
Ion Ratio Lower Upper
106 100
91 206.9 146.6 272.2





#56

o-xylene

Concen: 5.202 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV016398.D

Acq: 01 Jun 2020 09:25

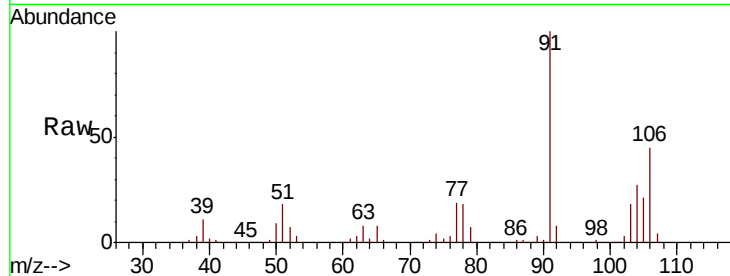
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 51382

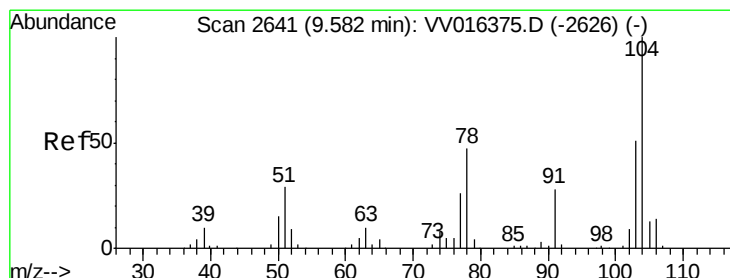
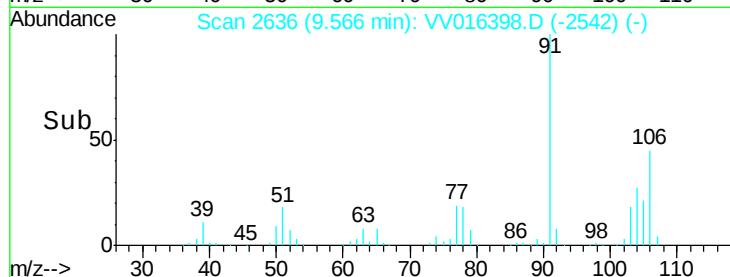
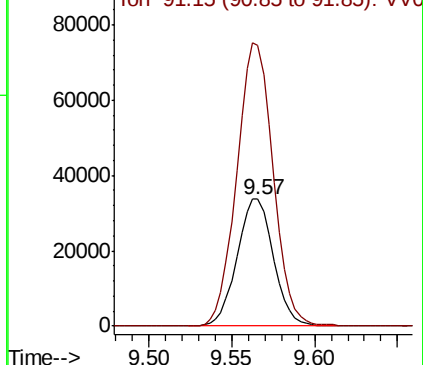
Ion Ratio Lower Upper

106 100

91 221.2 155.2 288.2



Abundance Ion 106.15 (105.85 to 106.85): VV016398.D (-2542) (-)



#57

Styrene

Concen: 5.458 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV016398.D

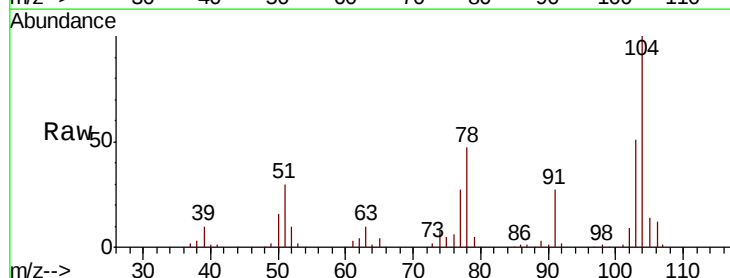
Acq: 01 Jun 2020 09:25

Tgt Ion:104 Resp: 92048

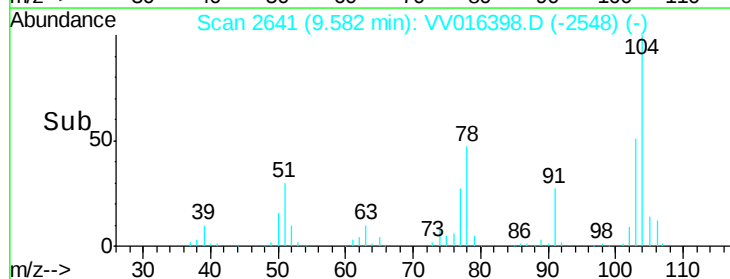
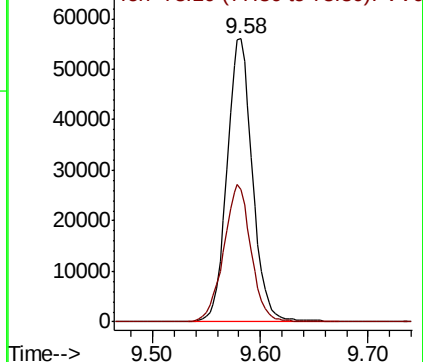
Ion Ratio Lower Upper

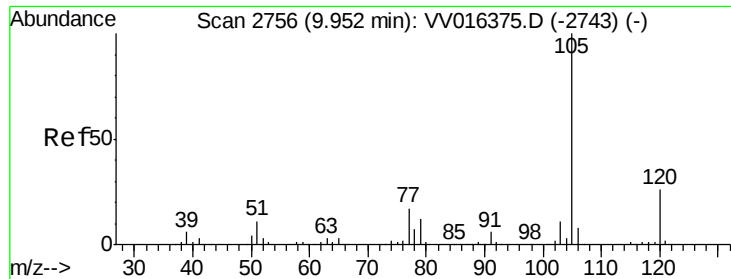
104 100

78 47.0 32.6 60.6



Abundance Ion 104.10 (103.80 to 104.80): VV016398.D (-2548) (-)





#58

Isopropylbenzene

Concen: 5.303 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV016398.D

Acq: 01 Jun 2020 09:25

Instrument :

MSVOA_V

ClientSampleId :

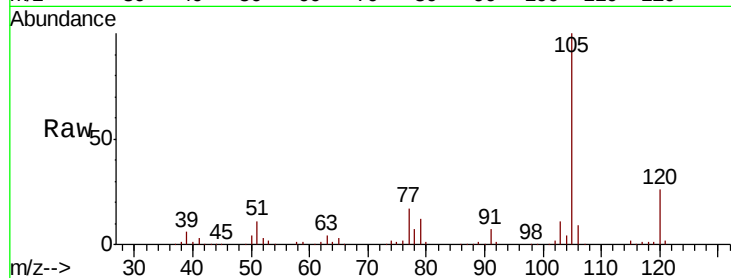
Tot Ion:105 Resp: 142729

Ion Ratio Lower Upper

105 100

120 25.8 20.7 31.1

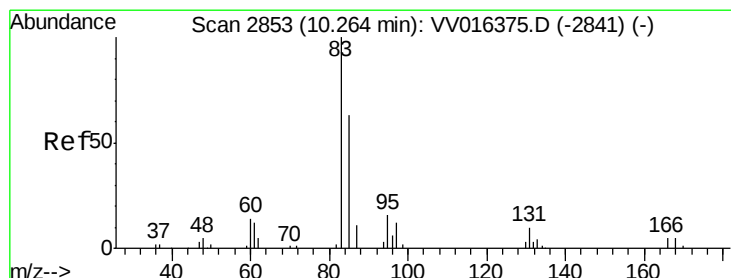
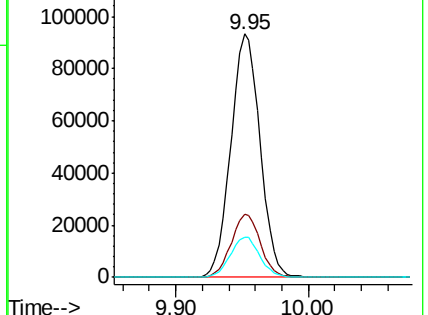
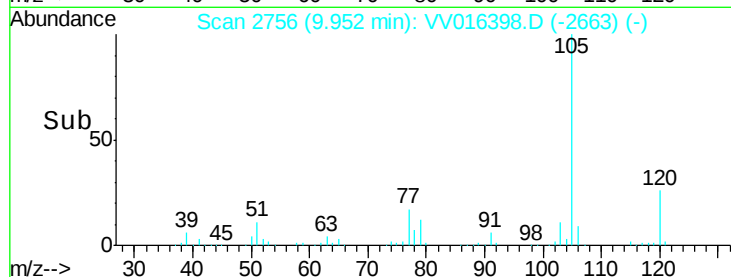
77 16.7 13.4 20.2



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: 4.867 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV016398.D

Acq: 01 Jun 2020 09:25

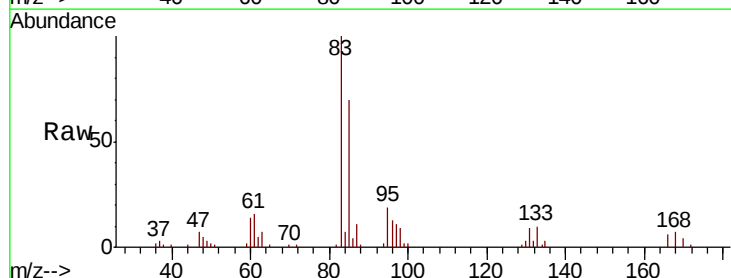
Tgt Ion: 83 Resp: 23728

Ion Ratio Lower Upper

83 100

85 69.8 43.7 81.1

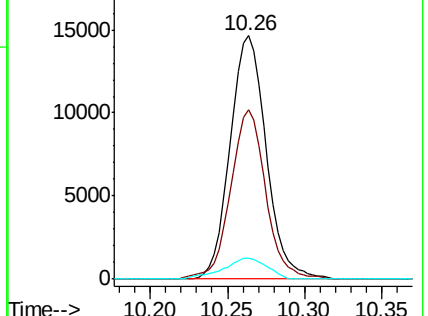
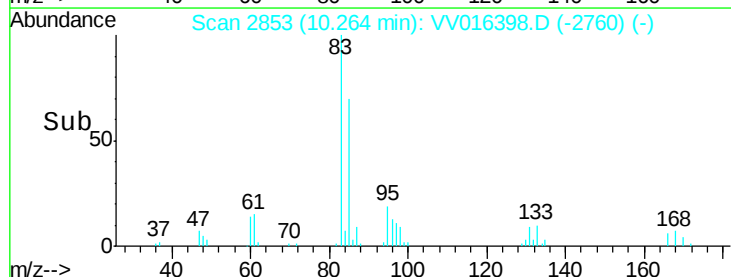
131 8.7 7.8 11.6

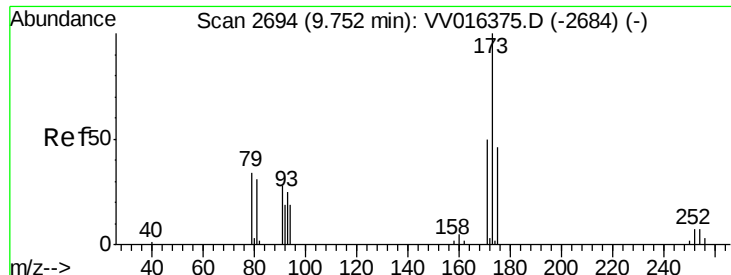


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#62

Bromoform

Concen: 5.035 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV016398.D

Acq: 01 Jun 2020 09:25

Instrument :
MSVOA_V
ClientSampleId :

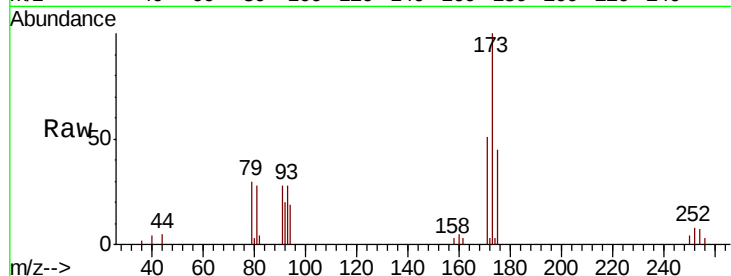
Tot Ion:173 Resp: 8596

Ion Ratio Lower Upper

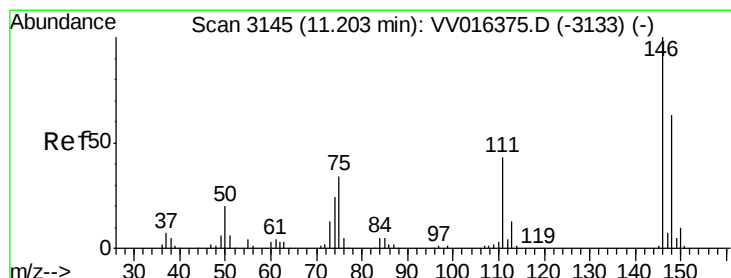
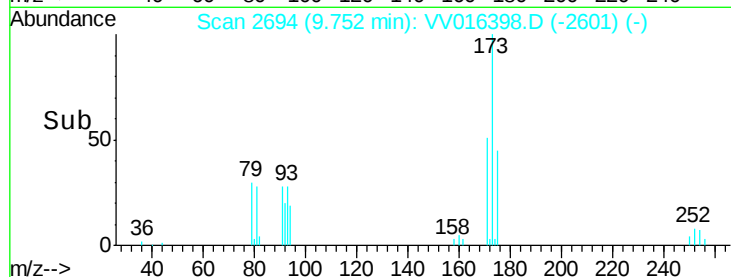
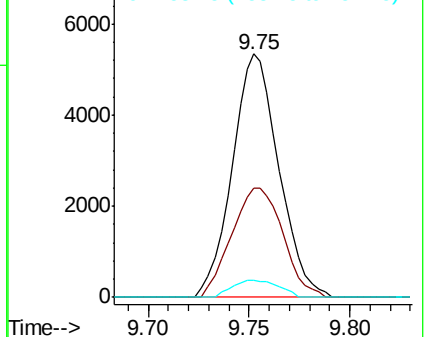
173 100

175 49.4 38.3 57.5

254 7.2 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: 5.125 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV016398.D

Acq: 01 Jun 2020 09:25

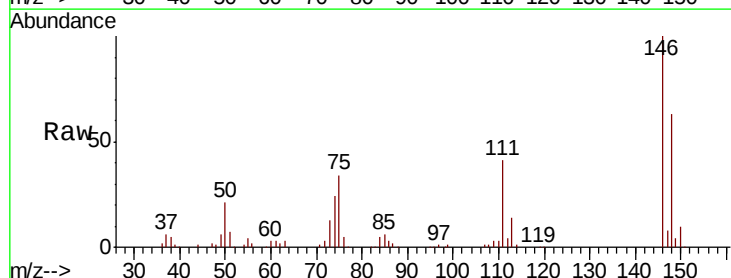
Tgt Ion:146 Resp: 63813

Ion Ratio Lower Upper

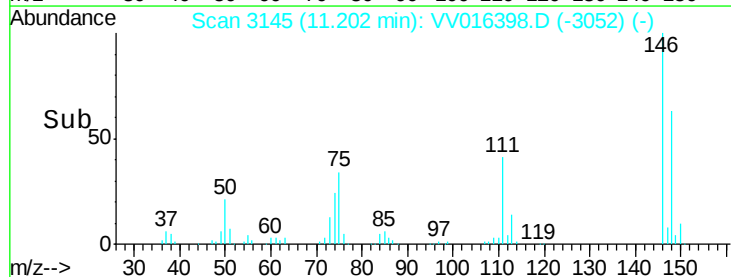
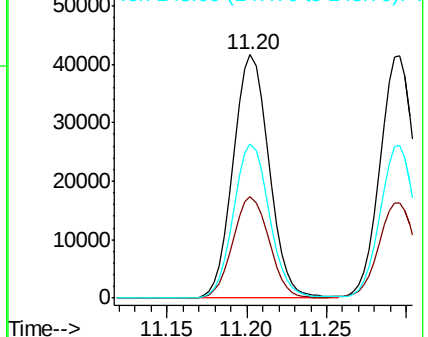
146 100

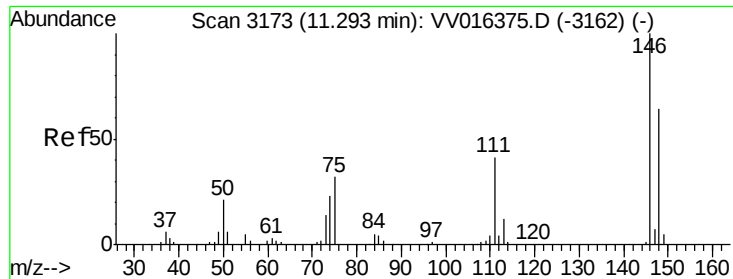
111 41.5 30.3 56.3

148 63.0 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: 5.069 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV016398.D

Acq: 01 Jun 2020 09:25

Instrument :

MSVOA_V

ClientSampled :

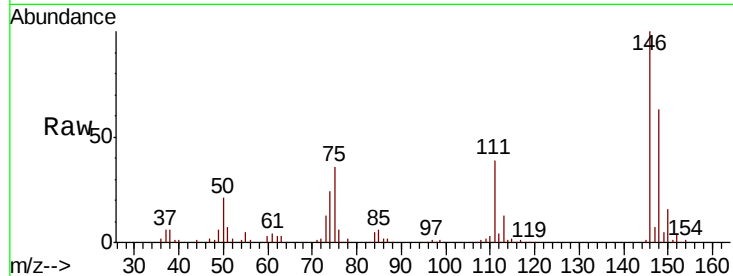
Tot Ion:146 Resp: 65250

Ion Ratio Lower Upper

146 100

111 39.3 29.6 55.0

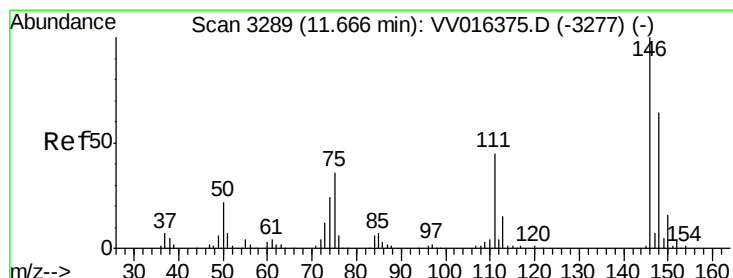
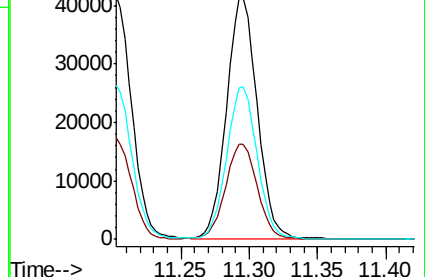
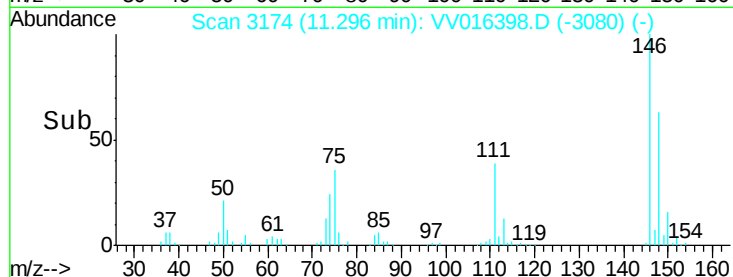
148 63.0 44.7 83.1



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: 5.068 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV016398.D

Acq: 01 Jun 2020 09:25

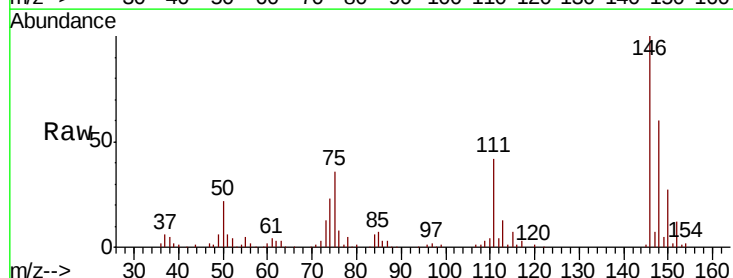
Tgt Ion:146 Resp: 58737

Ion Ratio Lower Upper

146 100

111 42.0 35.4 53.2

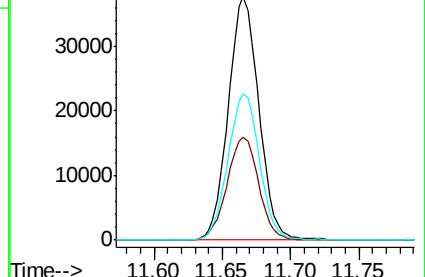
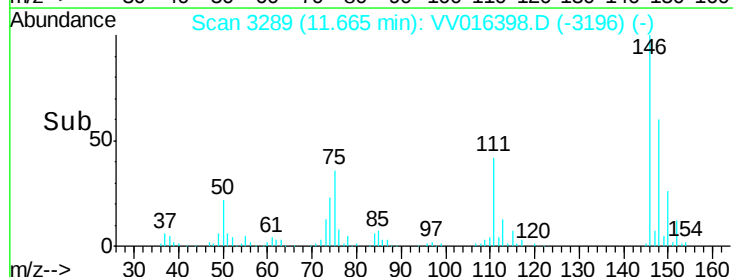
148 60.2 51.0 76.4

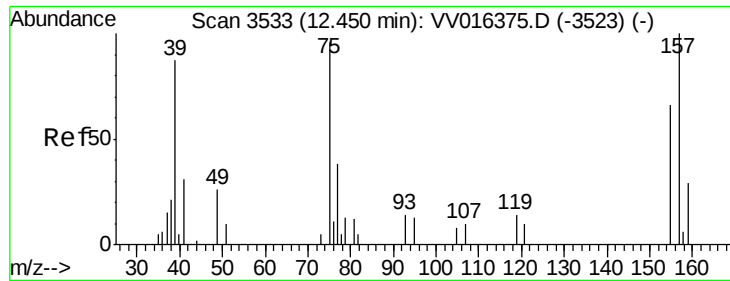


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

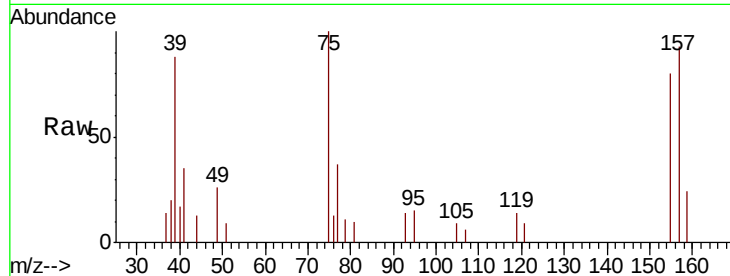




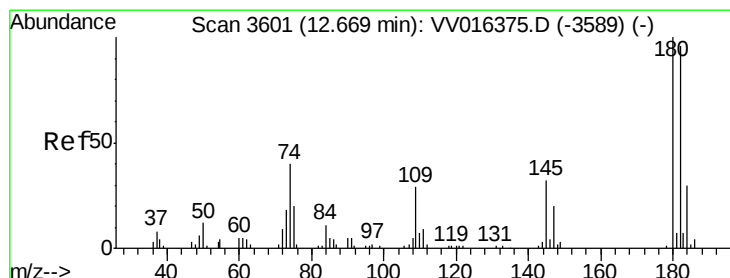
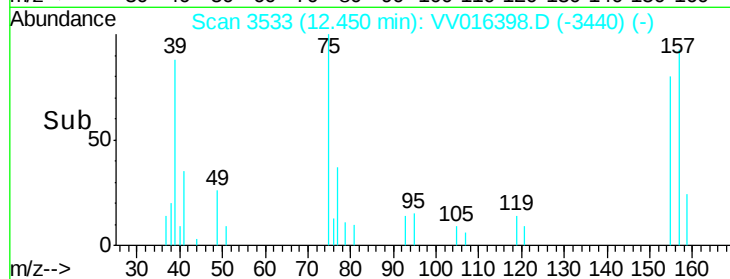
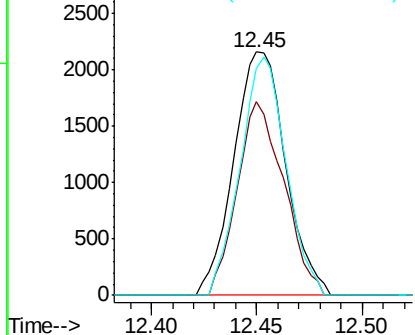
#67
 1,2-Dibromo-3-chloropropane
 Concen: 4.892 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV016398.D
 Acq: 01 Jun 2020 09:25

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 75 Resp: 3695
 Ion Ratio Lower Upper
 75 100
 155 79.8 58.1 87.1
 157 93.4 71.0 106.4

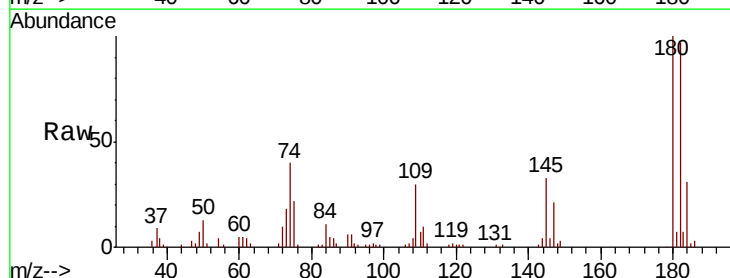


Abundance Ion 75.05 (74.75 to 75.75): VV016398.D (-3440) (-)
 Ion 154.95 (154.65 to 155.65): VV016398.D (-3440) (-)
 Ion 156.90 (156.60 to 157.60): VV016398.D (-3440) (-)

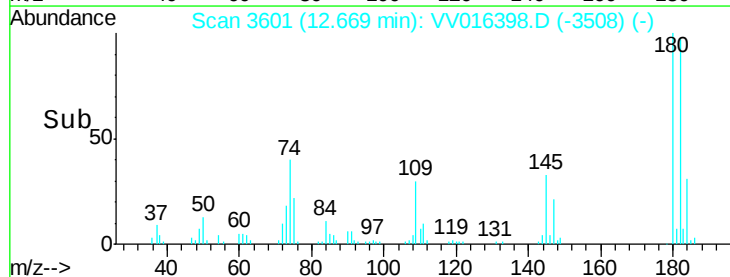
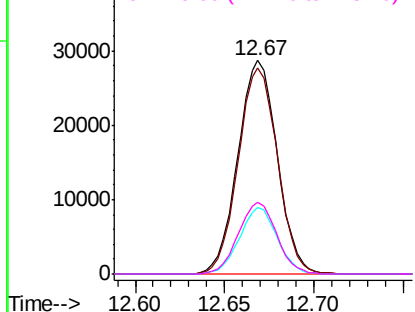


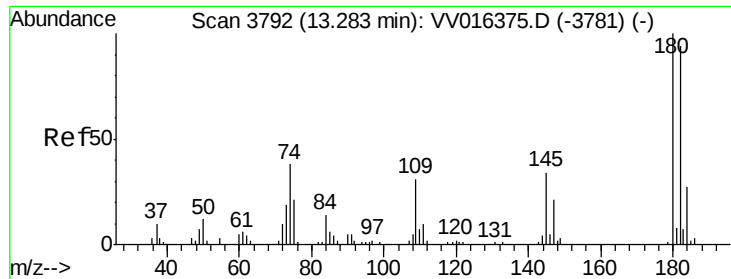
#68
 1,3,5-Trichlorobenzene
 Concen: 4.917 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV016398.D
 Acq: 01 Jun 2020 09:25

Tgt Ion: 180 Resp: 44083
 Ion Ratio Lower Upper
 180 100
 182 96.3 75.5 113.3
 184 29.9 24.2 36.2
 145 32.5 26.2 39.2



Abundance Ion 180.00 (179.70 to 180.70): VV016398.D (-3508) (-)
 Ion 182.00 (181.70 to 182.70): VV016398.D (-3508) (-)
 Ion 184.00 (183.70 to 184.70): VV016398.D (-3508) (-)
 Ion 145.00 (144.70 to 145.70): VV016398.D (-3508) (-)

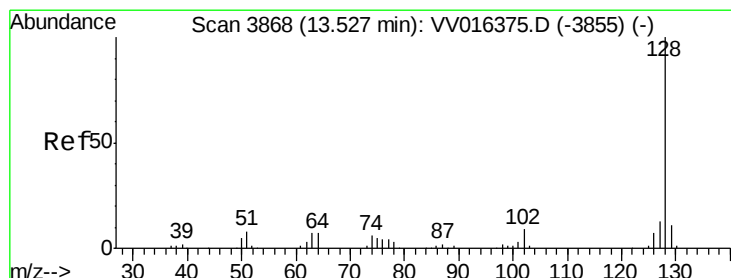
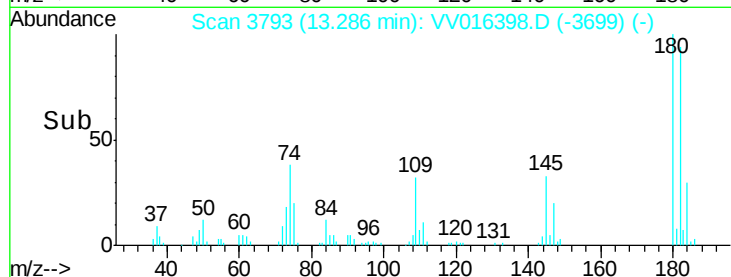
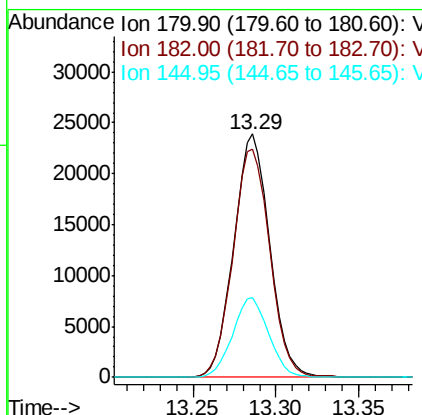
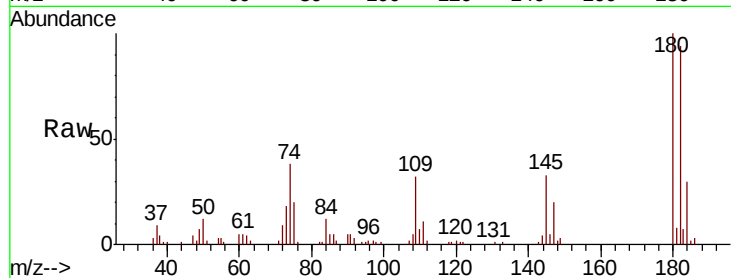




#69
 1,2,4-trichlorobenzene
 Concen: 4.678 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV016398.D
 Acq: 01 Jun 2020 09:25

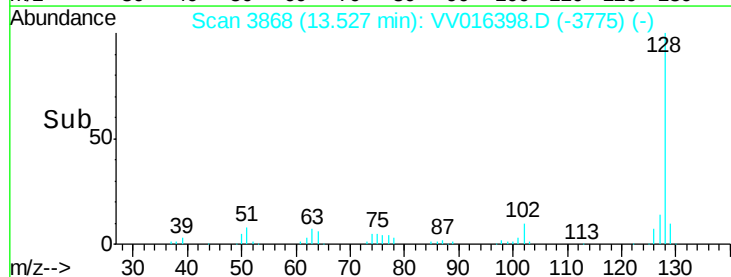
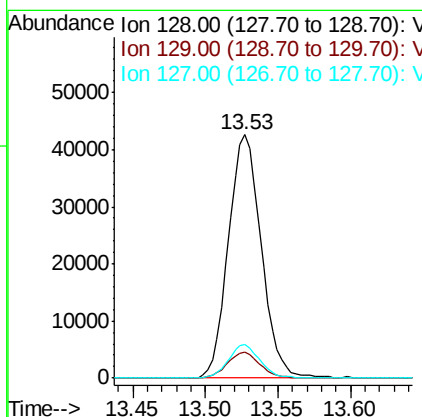
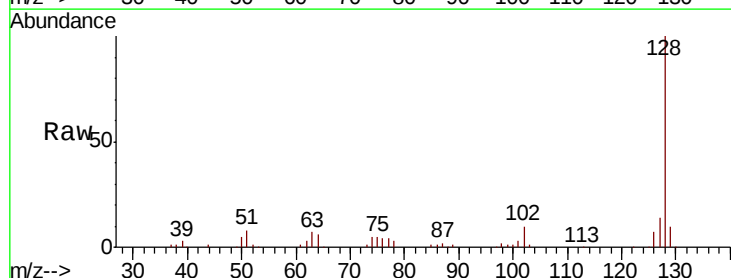
Instrument :
 MSVOA_V
 ClientSampleId :

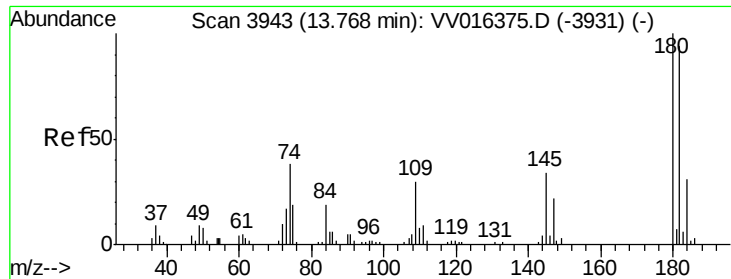
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.4	114.6
145	32.9	26.9	40.3



#70
 Naphthalene
 Concen: 3.644 ug/L
 RT: 13.53 min Scan# 3868
 Delta R.T. -0.00 min
 Lab File: VV016398.D
 Acq: 01 Jun 2020 09:25

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.4	8.6	12.8
127	13.1	10.7	16.1

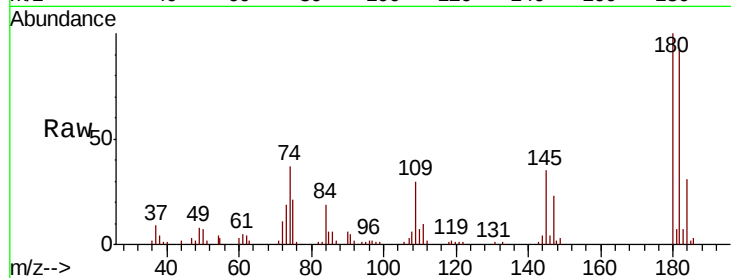




#71
 1,2,3-Trichlorobenzene
 Concen: 4.863 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VV016398.D
 Acq: 01 Jun 2020 09:25

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 33395
 Ion Ratio Lower Upper
 180 100
 182 93.6 75.1 112.7
 145 35.0 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

