

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV053020\
 Data File : VV016358.D
 Acq On : 30 May 2020 14:27
 Operator : SY/MD
 Sample : VSTD02031
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 01 03:30:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR053020WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jun 01 03:25:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	81561	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	80150	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	40518	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	145461	20.42	ug/L	0.00
7) Chloroethane-d5	1.58	69	108414	20.32	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	253351	20.28	ug/L	0.00
20) 2-Butanone-d5	3.93	46	335987	217.22	ug/L	0.00
24) Chloroform-d	4.38	84	251902	20.68	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	130314	20.51	ug/L	0.00
32) Benzene-d6	5.08	84	485301	21.35	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	144918	21.15	ug/L	0.00
41) Toluene-d8	7.34	98	453240	21.43	ug/L	0.00
45) trans-1,3-Dichloropropene-	7.64	79	59224	22.90	ug/L	0.00
48) 2-Hexanone-d5	8.11	63	284516	237.00	ug/L	0.00
59) 1,1,2,2-Tetrachloroethane-	10.24	84	106552	21.44	ug/L	0.00
65) 1,2-Dichlorobenzene-d4	11.65	152	154330	21.16	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	133166	19.225 ug/L	99
3) Chloromethane	1.25	50	152899	18.986 ug/L	99
5) Vinyl chloride	1.32	62	145592	19.256 ug/L	100
6) Bromomethane	1.53	94	82442	19.751 ug/L	99
8) Chloroethane	1.60	64	82807	17.931 ug/L	99
9) Trichlorofluoromethane	1.77	101	191959	18.570 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	108287	18.734 ug/L	98
12) 1,1-Dichloroethene	2.14	96	103015	19.026 ug/L	86
13) Acetone	2.21	43	174622	189.054 ug/L	99
14) Carbon disulfide	2.31	76	326376	19.981 ug/L	98
15) Methyl Acetate	2.46	43	45054	19.167 ug/L	99
16) Methylene chloride	2.53	84	105729	18.573 ug/L	99
17) Methyl tert-butyl Ether	2.79	73	248683	19.627 ug/L	97
18) trans-1,2-Dichloroethene	2.78	96	108414	19.131 ug/L	98
19) 1,1-Dichloroethane	3.21	63	220398	19.351 ug/L	98
21) 2-Butanone	4.02	43	321713	199.366 ug/L	97
22) cis-1,2-Dichloroethene	3.94	96	124643	20.049 ug/L	97
23) Bromochloromethane	4.28	128	50945	20.293 ug/L	94
25) Chloroform	4.40	83	223428	19.646 ug/L	98
27) 1,2-Dichloroethane	5.16	62	147454	19.394 ug/L	100
29) 1,1,1-Trichloroethane	4.64	97	201809	20.396 ug/L	98
30) Cyclohexane	4.70	56	219257	20.742 ug/L	99
31) Carbon tetrachloride	4.85	117	171698	20.042 ug/L	100
33) Benzene	5.13	78	486356	19.882 ug/L	100
34) Trichloroethene	5.94	95	125916	19.536 ug/L	94
35) Methylcyclohexane	6.15	83	218342	21.227 ug/L	99
37) 1,2-Dichloropropane	6.20	63	124637	19.475 ug/L	100
38) Bromodichloromethane	6.53	83	151455	20.308 ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	185365	22.687 ug/L	97
40) 4-Methyl-2-pentanone	7.25	43	782954	205.315 ug/L	99

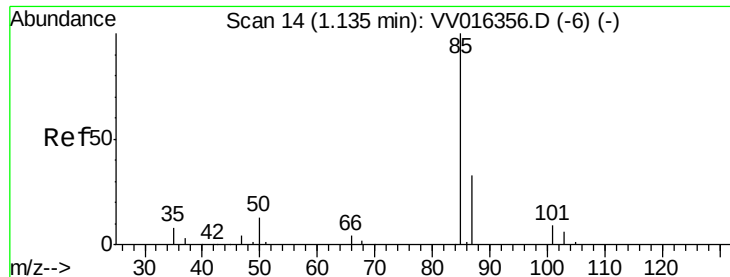
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV053020\
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jun 01 03:25:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	537929	20.055	ug/L	100
43) 1,3,5-Trimethylbenzene	10.56	105	523466	21.250	ug/L	99
44) 1,2,4-Trimethylbenzene	10.94	105	535650	21.510	ug/L	100
46) trans-1,3-Dichloropropene	7.67	75	156081	22.228	ug/L	97
47) 1,1,2-Trichloroethane	7.86	97	80376	20.208	ug/L	98
49) Tetrachloroethene	8.00	164	94145	20.432	ug/L	98
50) 2-Hexanone	8.16	43	563364	207.843	ug/L	99
51) Dibromochloromethane	8.27	129	92435	22.458	ug/L	96
52) 1,2-Dibromoethane	8.37	107	76204	20.096	ug/L	99
53) Chlorobenzene	8.90	112	328359	20.138	ug/L	99
54) Ethylbenzene	9.03	91	615672	20.861	ug/L	98
55) m,p-xylene	9.16	106	229303	20.729	ug/L	99
56) o-xylene	9.57	106	218672	20.657	ug/L	98
57) Styrene	9.58	104	378564	20.743	ug/L	99
58) Isopropylbenzene	9.95	105	604567	21.154	ug/L	100
60) 1,1,2,2-Tetrachloroethane	10.26	83	100327	20.301	ug/L	96
62) Bromoform	9.75	173	39409	22.396	ug/L	99
63) 1,3-Dichlorobenzene	11.20	146	263399	20.092	ug/L	99
64) 1,4-Dichlorobenzene	11.29	146	261891	20.071	ug/L	99
66) 1,2-Dichlorobenzene	11.67	146	238883	20.289	ug/L	100
67) 1,2-Dibromo-3-chloropropan	12.45	75	16784	22.057	ug/L	97
68) 1,3,5-Trichlorobenzene	12.67	180	193567	20.694	ug/L	99
69) 1,2,4-trichlorobenzene	13.29	180	170081	21.864	ug/L	99
70) Naphthalene	13.52	128	327322	21.617	ug/L	99
71) 1,2,3-Trichlorobenzene	13.77	180	150052	21.217	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 19.225 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV016358.D

Acq: 30 May 2020 14:27

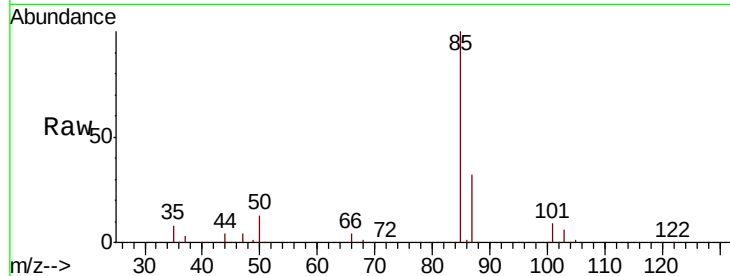
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 133166

Ion Ratio Lower Upper

85 100

87 32.3 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

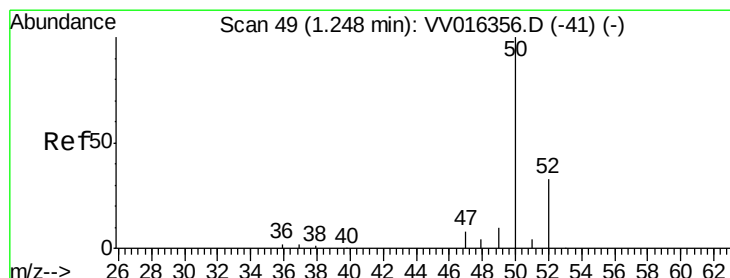
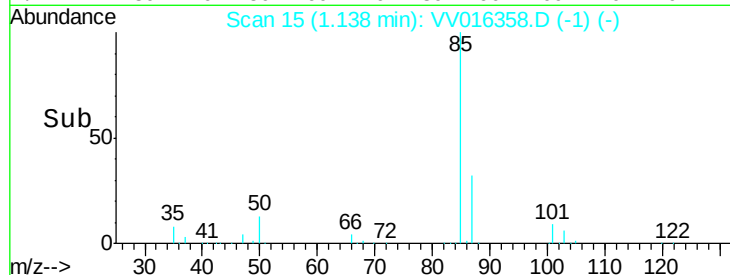
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 18.986 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV016358.D

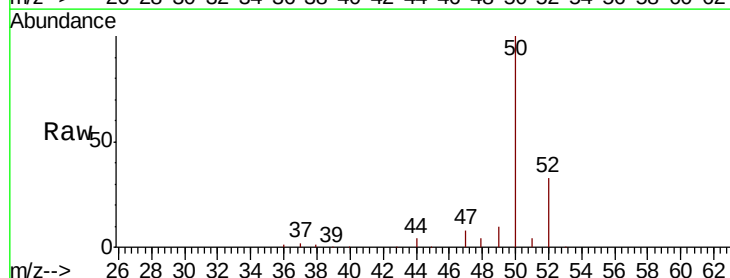
Acq: 30 May 2020 14:27

Tgt Ion: 50 Resp: 152899

Ion Ratio Lower Upper

50 100

52 32.6 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0

1.25

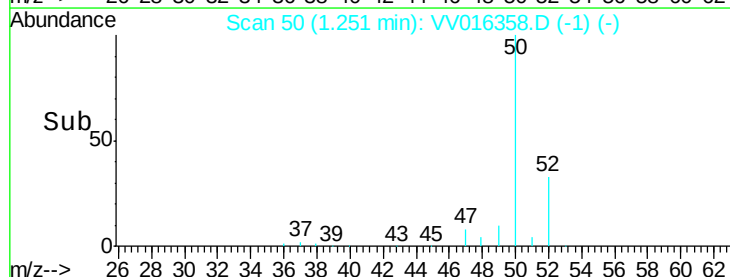
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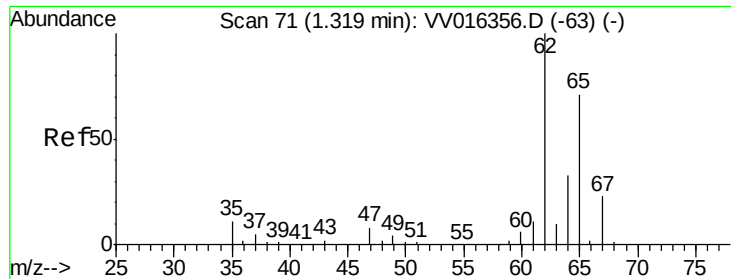
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 19.256 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV016358.D

Acq: 30 May 2020 14:27

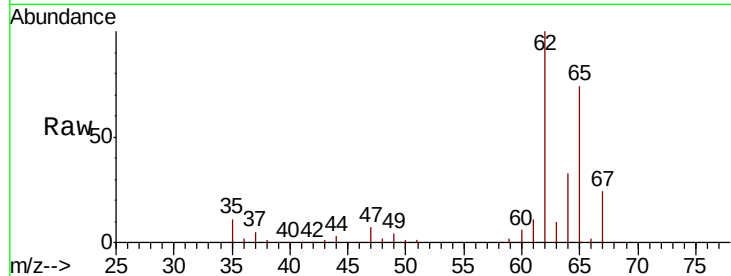
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 145592

Ion Ratio Lower Upper

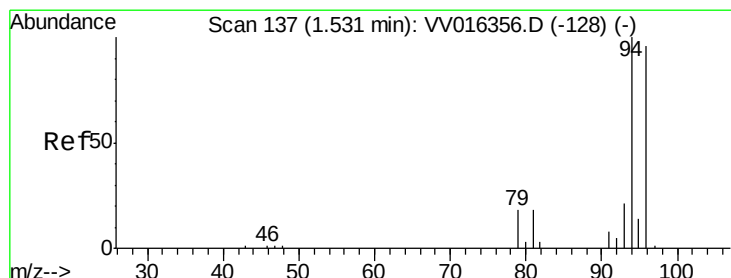
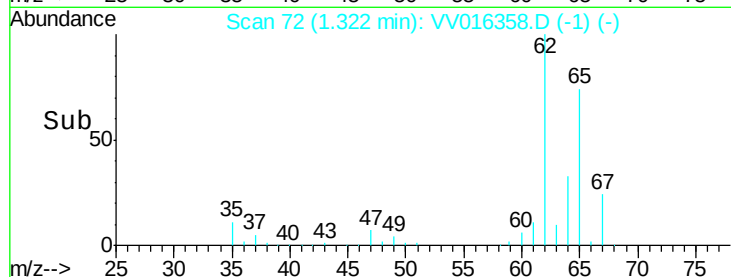
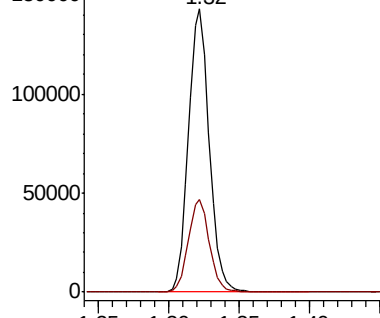
62 100

64 32.9 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: 19.751 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV016358.D

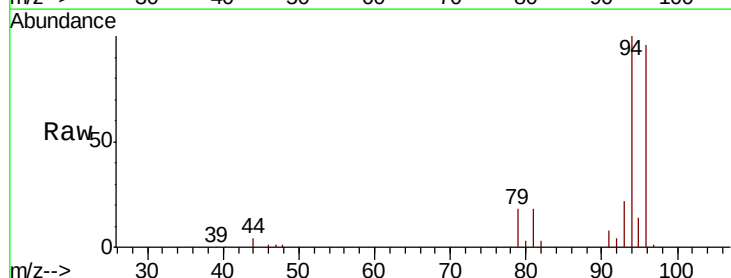
Acq: 30 May 2020 14:27

Tgt Ion: 94 Resp: 82442

Ion Ratio Lower Upper

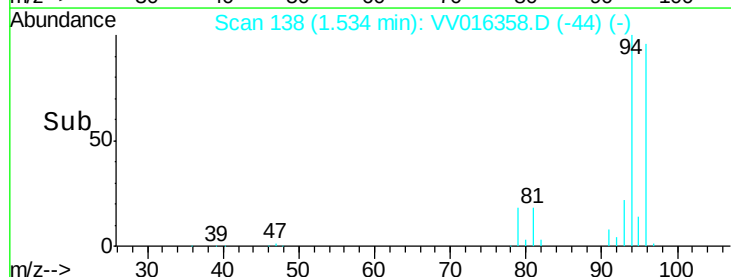
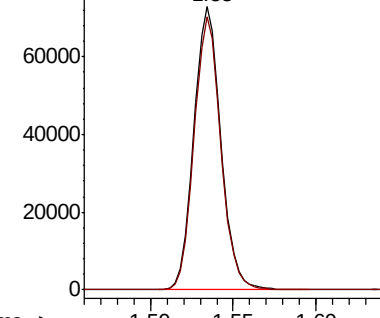
94 100

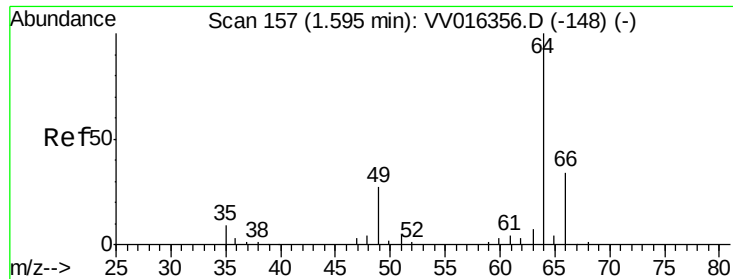
96 96.4 67.0 124.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

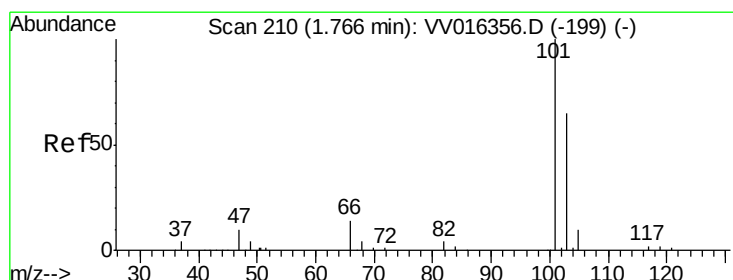
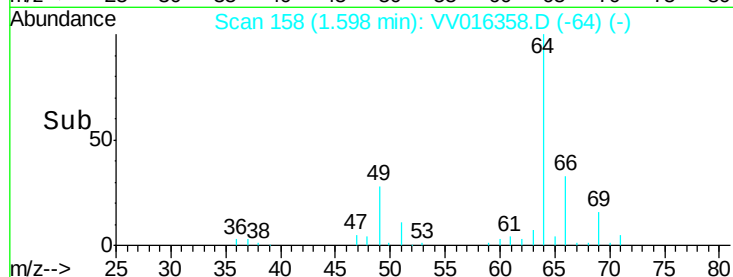
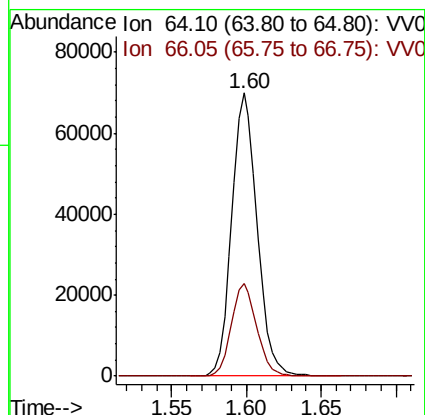
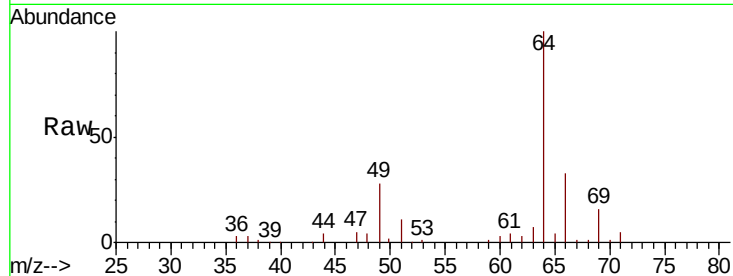




#8
Chloroethane
Concen: 17.931 ug/L
RT: 1.60 min Scan# 158
Delta R.T. 0.00 min
Lab File: VV016358.D
Acq: 30 May 2020 14:27

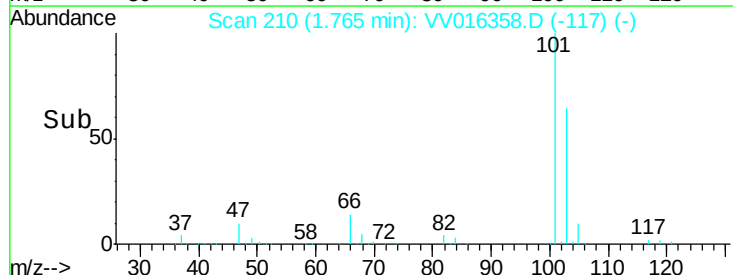
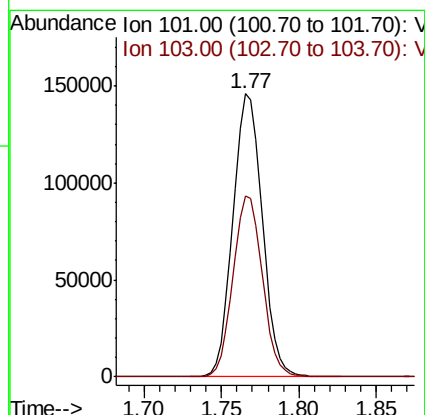
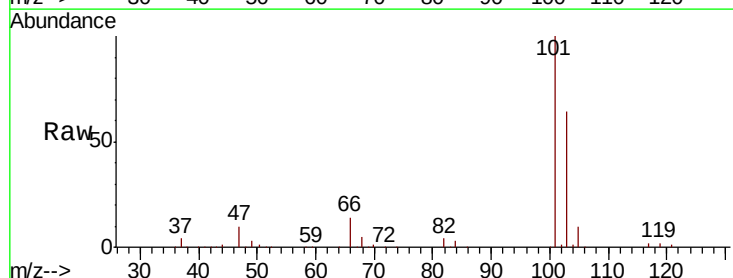
Instrument :
MSVOA_V
ClientSampleId :

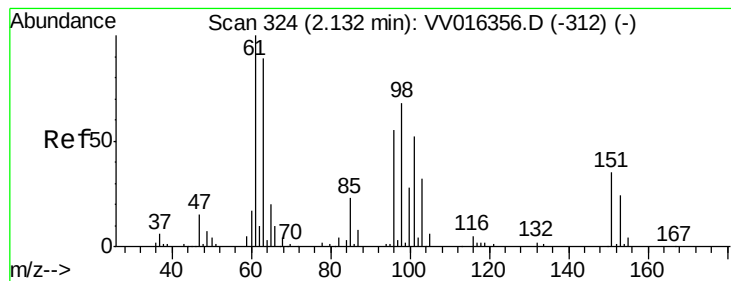
Tot Ion: 64 Resp: 82807
Ion Ratio Lower Upper
64 100
66 32.9 23.4 43.6



#9
Trichlorofluoromethane
Concen: 18.570 ug/L
RT: 1.77 min Scan# 210
Delta R.T. -0.00 min
Lab File: VV016358.D
Acq: 30 May 2020 14:27

Tgt Ion:101 Resp: 191959
Ion Ratio Lower Upper
101 100
103 63.6 52.2 78.4





#10

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

Concen: 18.734 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV016358.D

Acq: 30 May 2020 14:27

Instrument :

MSVOA_V

ClientSampleId :

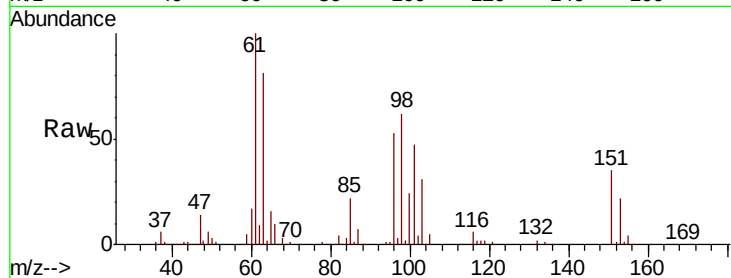
Tot Ion:101 Resp: 108287

Ion Ratio Lower Upper

101 100

85 46.0 35.7 53.5

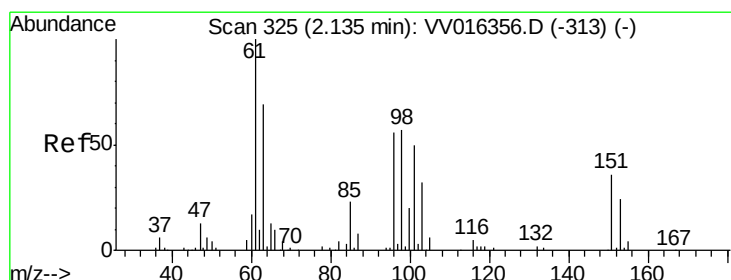
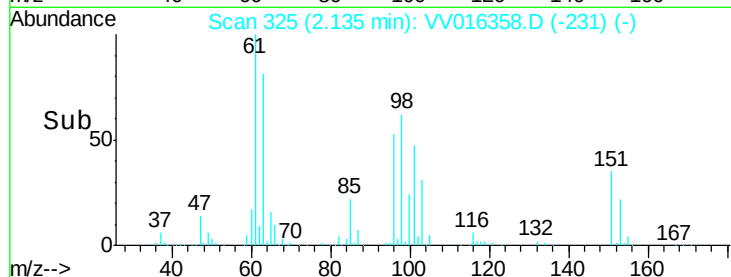
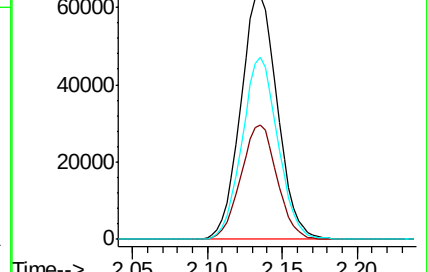
151 72.4 57.2 85.8



Abundance Ion 101.00 (100.70 to 101.70): VV016356.D (-312) (-)

Ion 85.00 (84.70 to 85.70): VV016356.D (-312) (-)

Ion 151.00 (150.70 to 151.70): VV016356.D (-312) (-)



#12

1,1-Dichloroethene

Concen: 19.026 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV016358.D

Acq: 30 May 2020 14:27

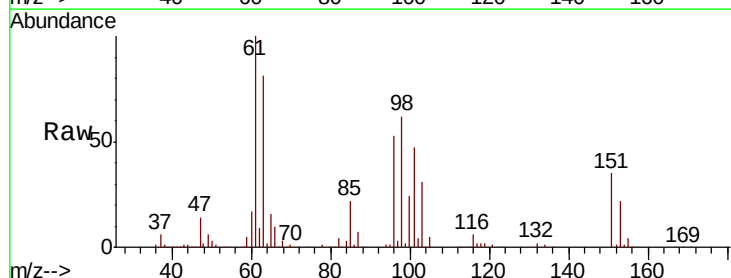
Tgt Ion: 96 Resp: 103015

Ion Ratio Lower Upper

96 100

61 188.5 125.4 233.0

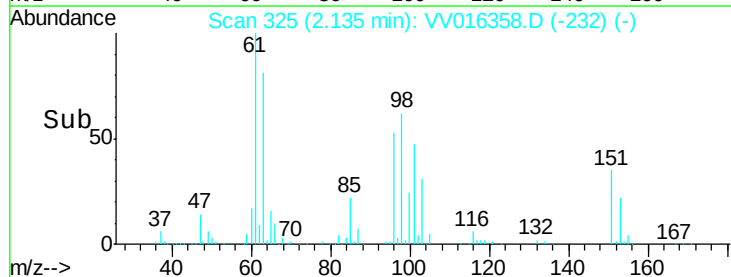
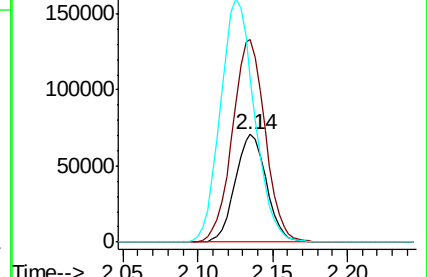
63 152.8 88.2 163.8

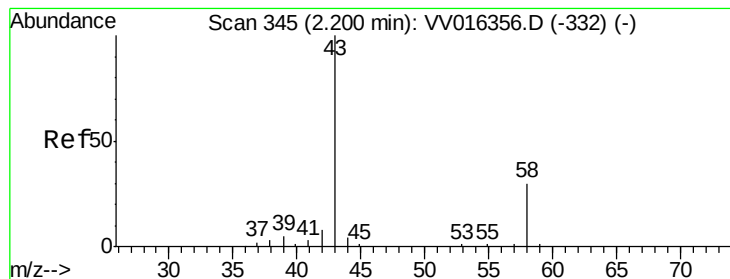


Abundance Ion 96.00 (95.70 to 96.70): VV016358.D (-232) (-)

Ion 61.05 (60.75 to 61.75): VV016358.D (-232) (-)

Ion 63.00 (62.70 to 63.70): VV016358.D (-232) (-)





#13

Acetone

Concen: 189.054 ug/L

RT: 2.21 min Scan# 348

Delta R.T. 0.01 min

Lab File: VV016358.D

Acq: 30 May 2020 14:27

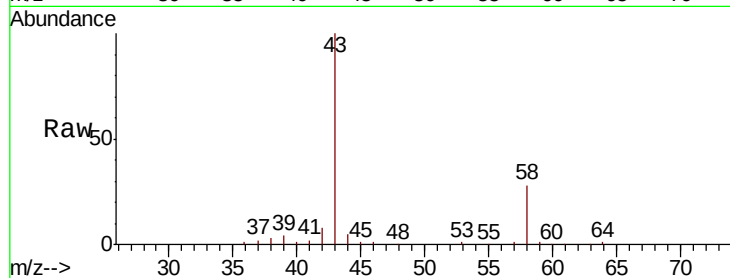
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 174622

Ion Ratio Lower Upper

43 100

58 29.0 0.0 59.2



Abundance Ion 43.05 (42.75 to 43.75): VV016356.D (-332) (-)

Ion 58.05 (57.75 to 58.75): VV016356.D (-332) (-)

2.21

60000

50000

40000

30000

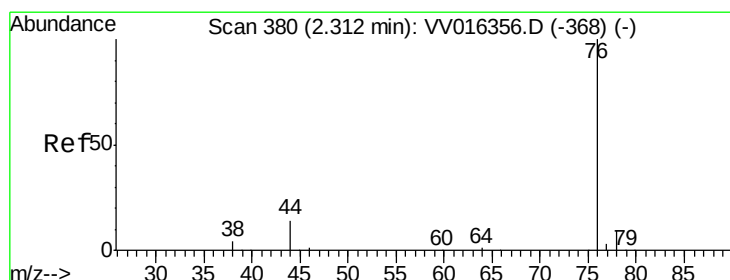
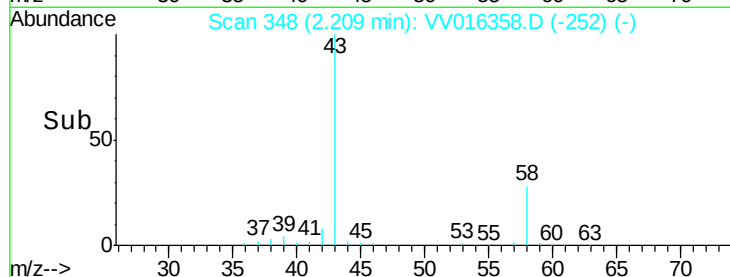
20000

10000

0

Time-->

2.10 2.20 2.30



#14

Carbon disulfide

Concen: 19.981 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV016358.D

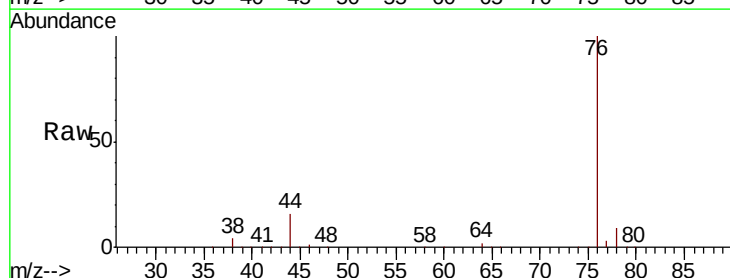
Acq: 30 May 2020 14:27

Tgt Ion: 76 Resp: 326376

Ion Ratio Lower Upper

76 100

78 9.3 6.8 10.2



Abundance Ion 76.05 (75.75 to 76.75): VV016356.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV016356.D (-368) (-)

2.31

250000

200000

150000

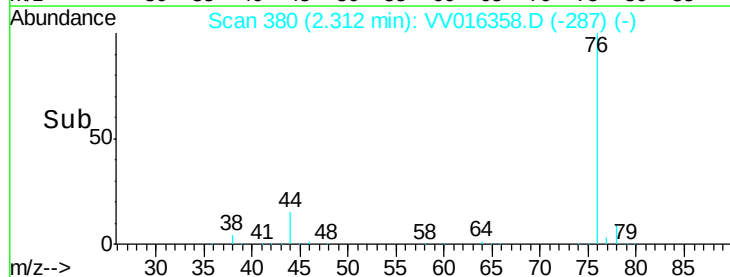
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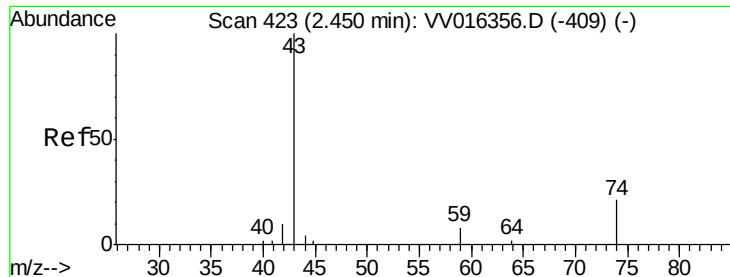
50000

0

Time-->

2.25 2.30 2.35 2.40





#15

Methvl Acetate

Concen: 19.167 ug/L

RT: 2.46 min Scan# 425

Delta R.T. 0.01 min

Lab File: VV016358.D

Acq: 30 May 2020 14:27

Instrument :

MSVOA_V

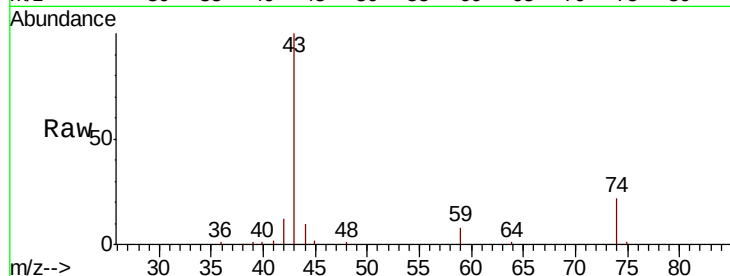
ClientSampled :

Tot Ion: 43 Resp: 45054

Ion Ratio Lower Upper

43 100

74 22.8 18.6 28.0



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

2.46

25000

20000

15000

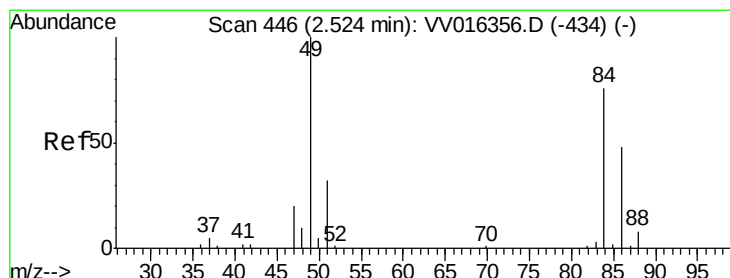
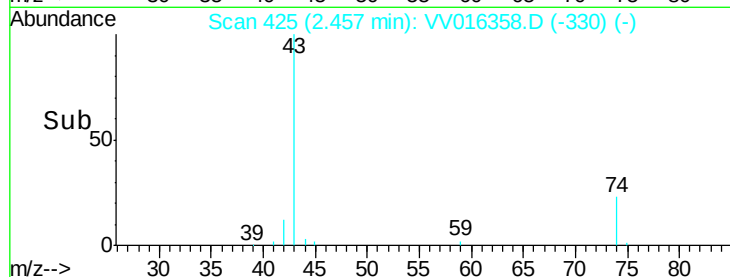
10000

5000

0

Time-->

2.40 2.45 2.50 2.55



#16

Methylene chloride

Concen: 18.573 ug/L

RT: 2.53 min Scan# 447

Delta R.T. 0.00 min

Lab File: VV016358.D

Acq: 30 May 2020 14:27

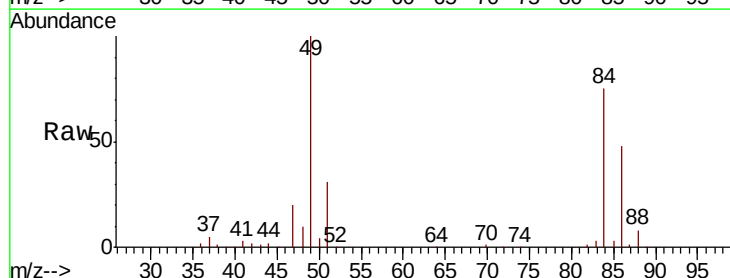
Tgt Ion: 84 Resp: 105729

Ion Ratio Lower Upper

84 100

86 64.1 44.5 82.7

49 133.9 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

100000

80000

60000

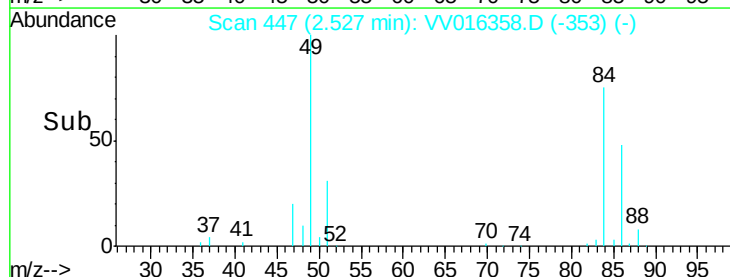
40000

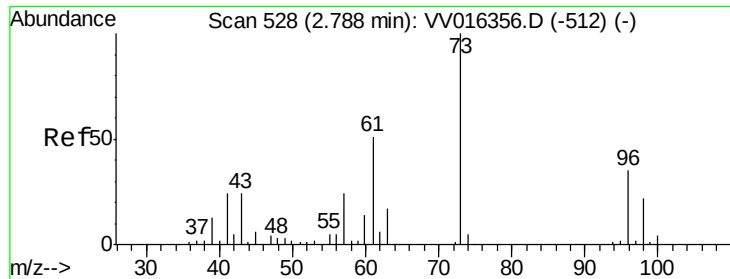
20000

0

Time-->

2.45 2.50 2.55 2.60

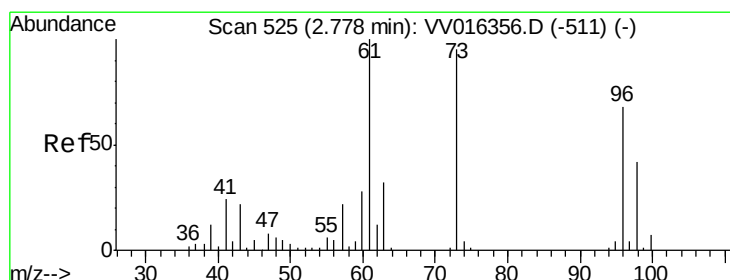
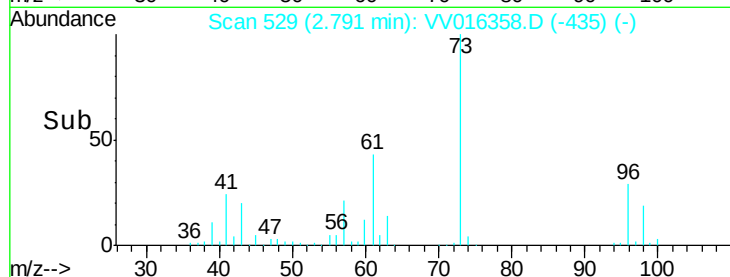
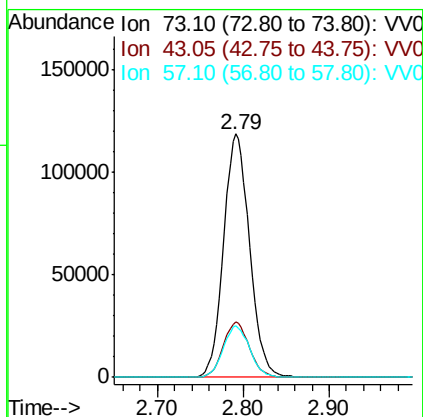
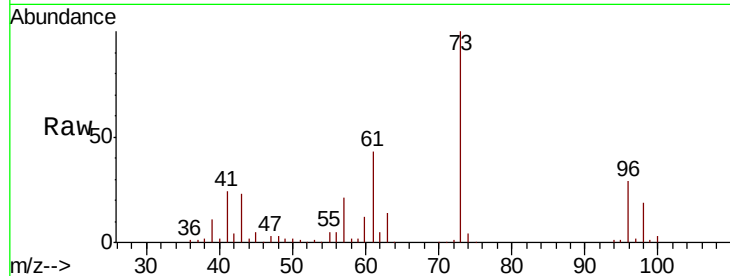




#17
Methyl tert-butyl Ether
Concen: 19.627 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV016358.D
Acq: 30 May 2020 14:27

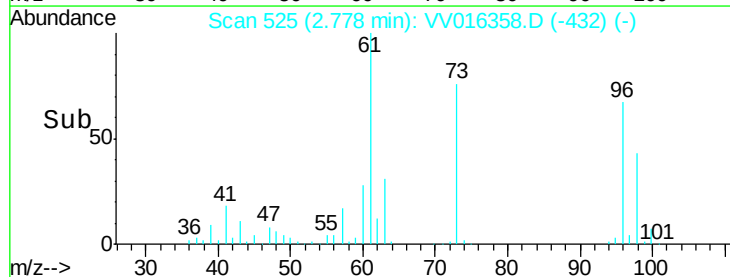
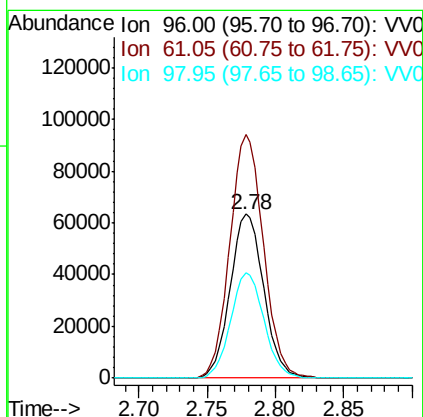
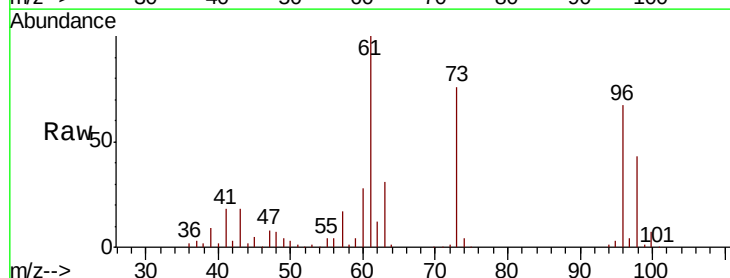
Instrument :
MSVOA_V
ClientSampleId :

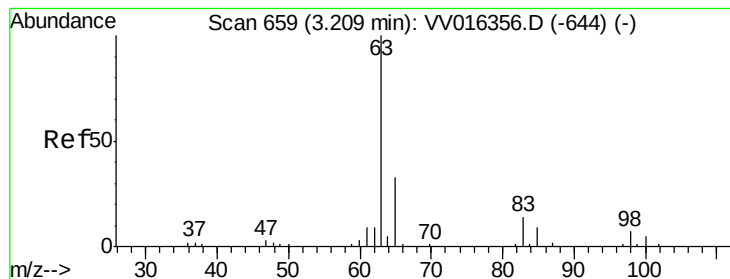
Tot Ion: 73 Resp: 248683
Ion Ratio Lower Upper
73 100
43 22.5 19.4 29.0
57 21.6 18.4 27.6



#18
trans-1,2-Dichloroethene
Concen: 19.131 ug/L
RT: 2.78 min Scan# 525
Delta R.T. -0.00 min
Lab File: VV016358.D
Acq: 30 May 2020 14:27

Tgt Ion: 96 Resp: 108414
Ion Ratio Lower Upper
96 100
61 148.5 103.1 191.5
98 64.2 43.0 79.8





#19

1,1-Dichloroethane

Concen: 19.351 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV016358.D

Acq: 30 May 2020 14:27

Instrument :

MSVOA_V

ClientSampled :

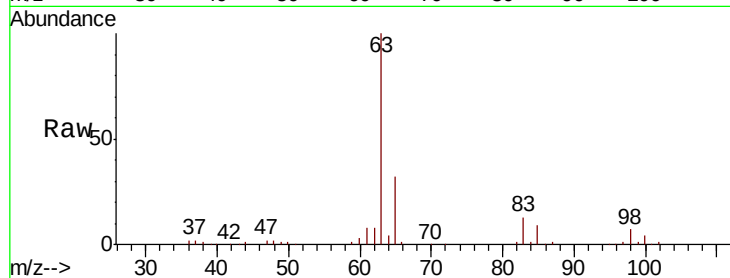
Tot Ion: 63 Resp: 220398

Ion Ratio Lower Upper

63 100

65 32.0 23.3 43.3

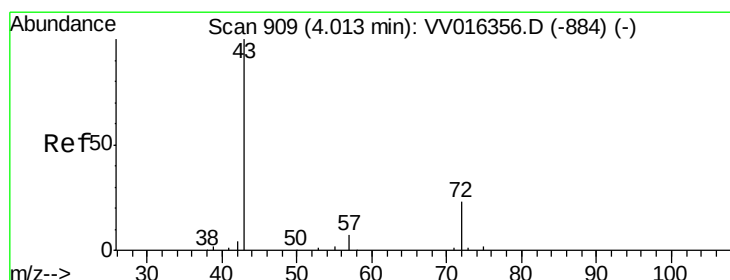
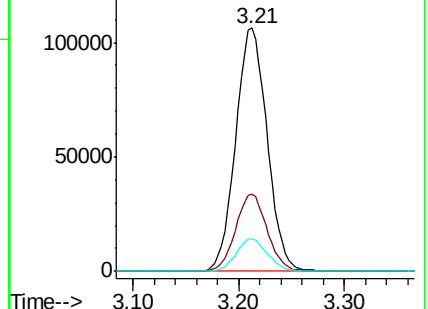
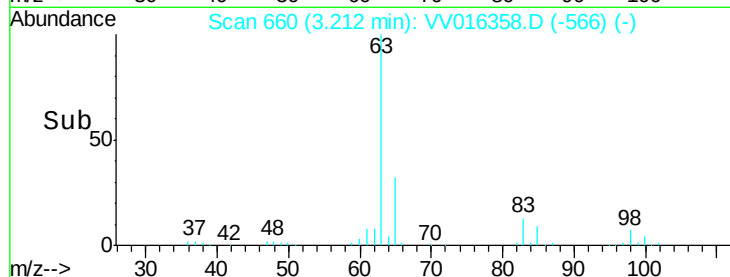
83 13.4 9.9 18.3



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: 199.366 ug/L

RT: 4.02 min Scan# 910

Delta R.T. 0.00 min

Lab File: VV016358.D

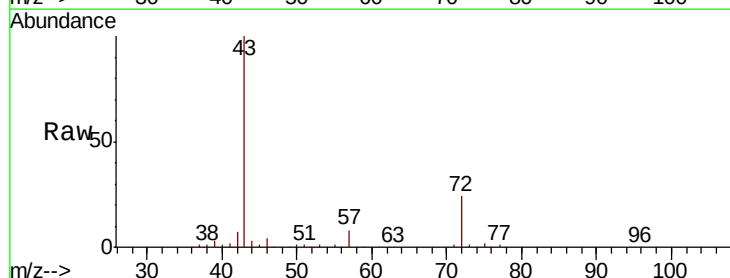
Acq: 30 May 2020 14:27

Tgt Ion: 43 Resp: 321713

Ion Ratio Lower Upper

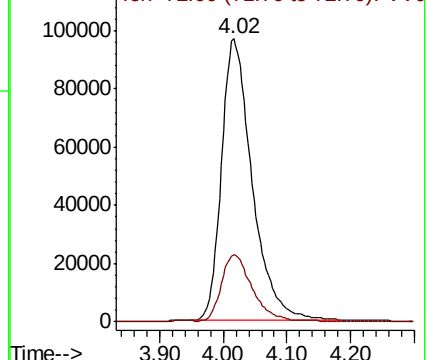
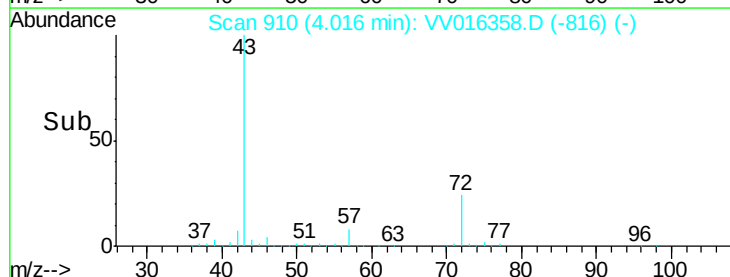
43 100

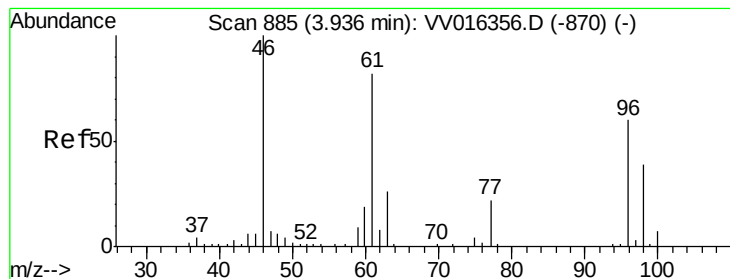
72 24.1 11.2 33.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 72.00 (71.70 to 72.70): VV0



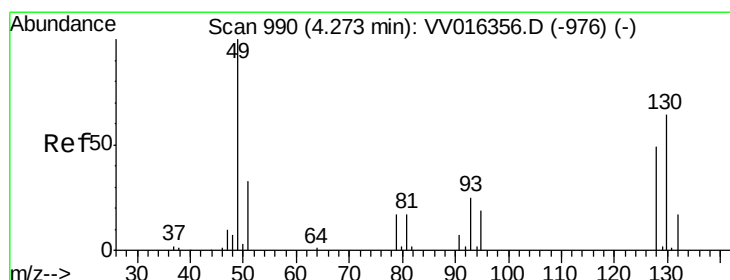
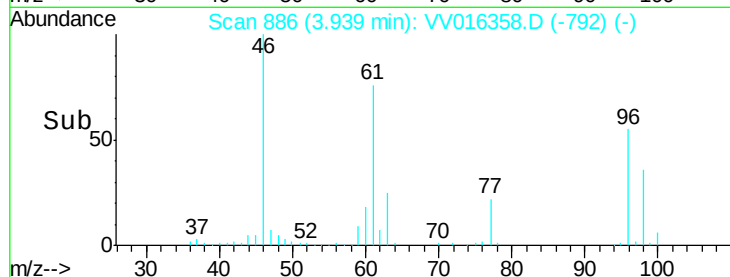
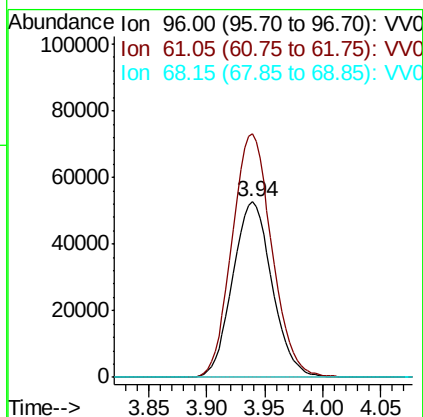
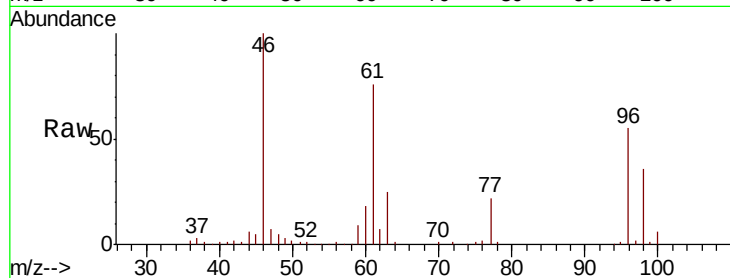


#22

cis-1,2-Dichloroethene
 Concen: 20.049 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV016358.D
 Acq: 30 May 2020 14:27

Instrument :
 MSVOA_V
 ClientSampled :

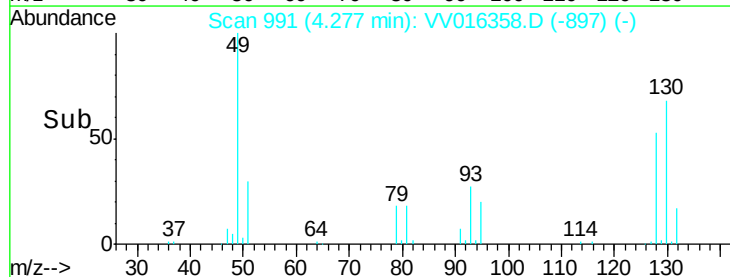
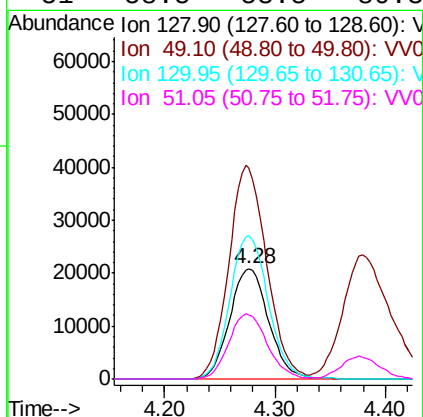
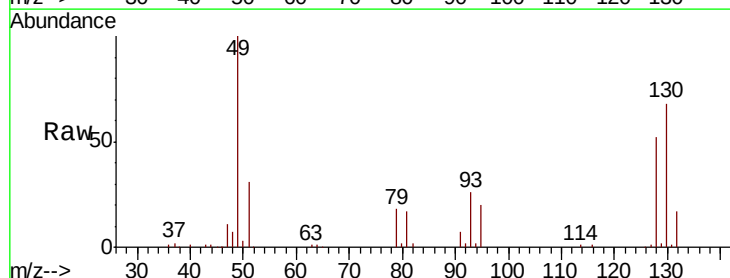
Tot Ion: 96 Resp: 124643
 Ion Ratio Lower Upper
 96 100
 61 138.6 94.8 176.0
 68 0.0 0.0 0.0

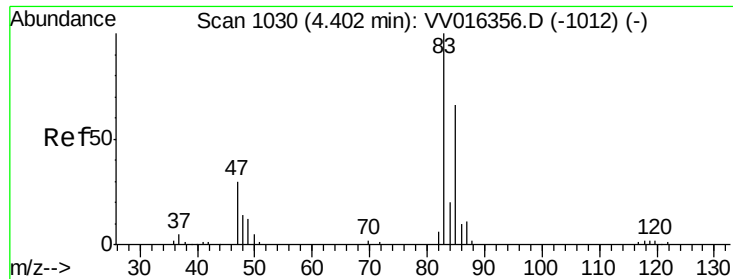


#23

Bromochloromethane
 Concen: 20.293 ug/L
 RT: 4.28 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VV016358.D
 Acq: 30 May 2020 14:27

Tgt Ion: 128 Resp: 50945
 Ion Ratio Lower Upper
 128 100
 49 191.0 141.5 262.9
 130 129.1 90.4 167.8
 51 58.5 53.5 80.3

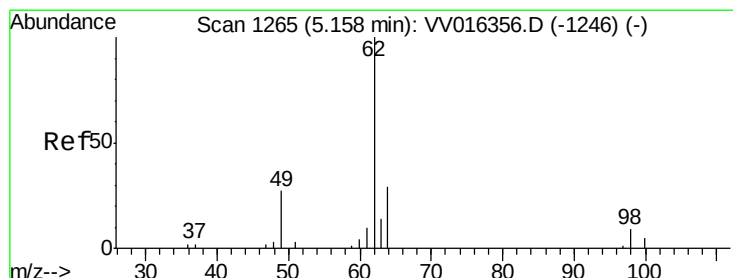
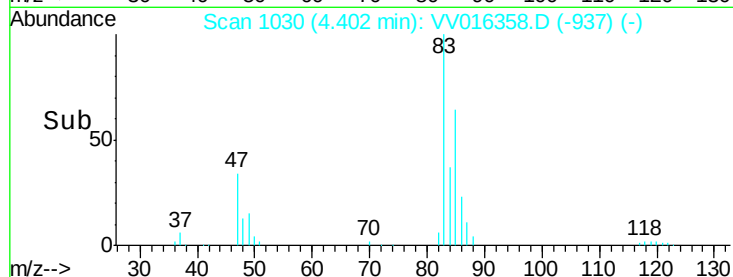
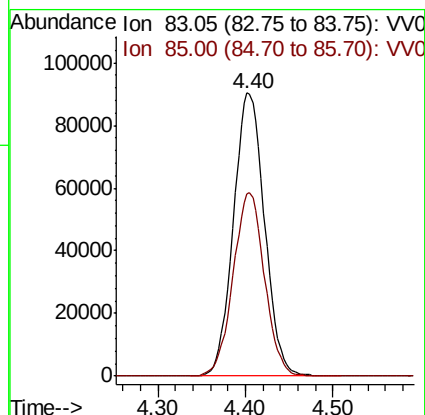
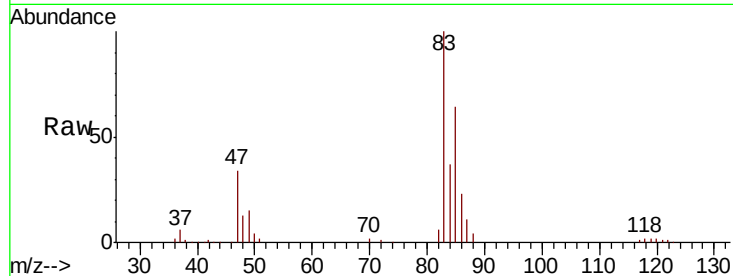




#25
Chloroform
Concen: 19.646 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV016358.D
Acq: 30 May 2020 14:27

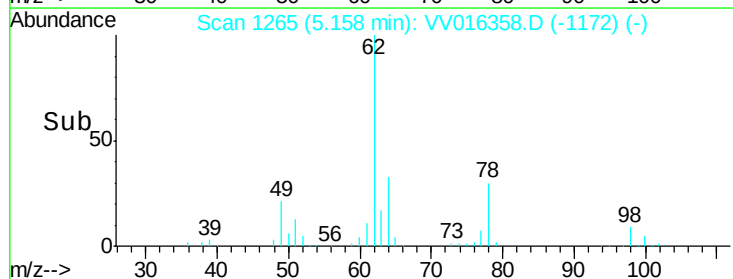
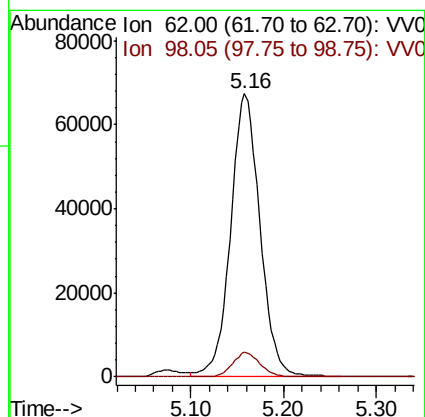
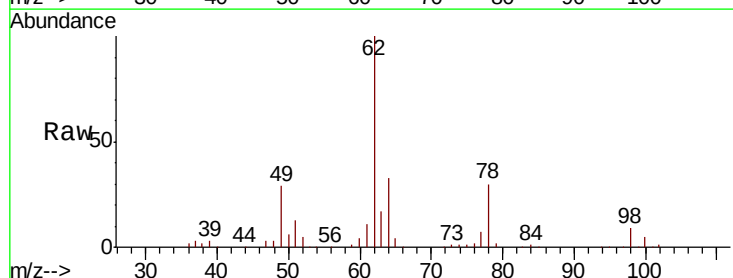
Instrument :
MSVOA_V
ClientSampled :

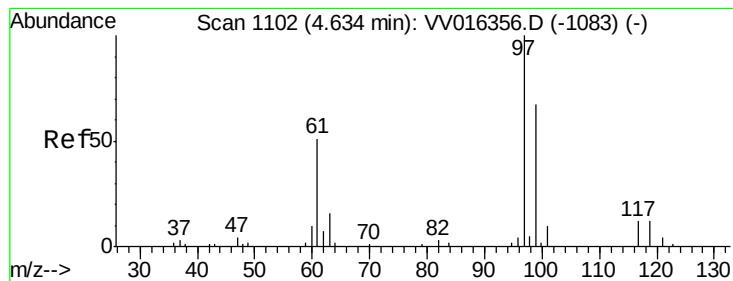
Tot Ion: 83 Resp: 223428
Ion Ratio Lower Upper
83 100
85 64.3 45.8 85.2



#27
1,2-Dichloroethane
Concen: 19.394 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VV016358.D
Acq: 30 May 2020 14:27

Tgt Ion: 62 Resp: 147454
Ion Ratio Lower Upper
62 100
98 8.6 7.0 10.4





#29

1,1,1-Trichloroethane

Concen: 20.396 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV016358.D

Acq: 30 May 2020 14:27

Instrument :

MSVOA_V

ClientSampleId :

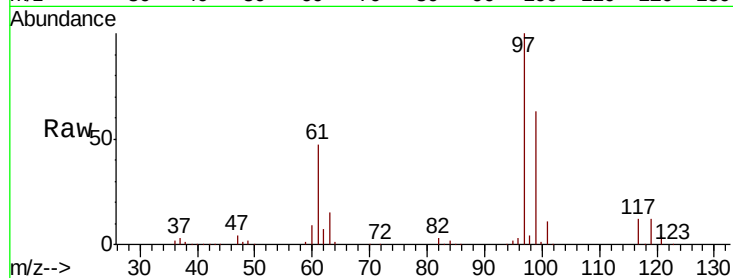
Tot Ion: 97 Resp: 201809

Ion Ratio Lower Upper

97 100

99 63.2 52.0 78.0

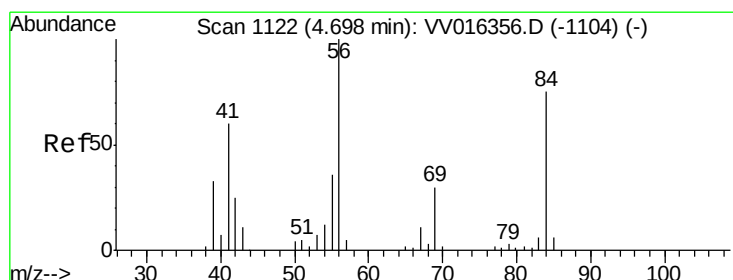
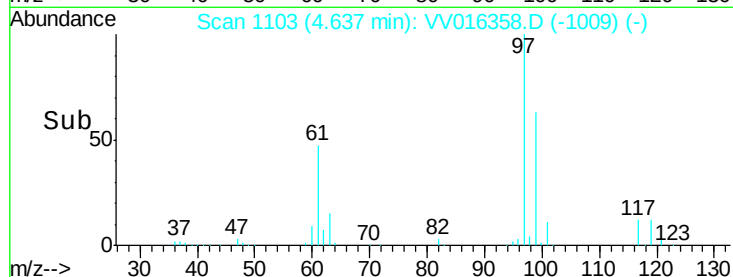
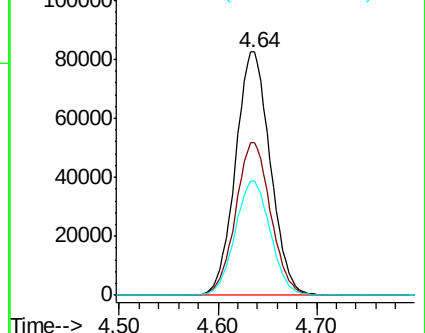
61 47.8 39.8 59.6



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: 20.742 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VV016358.D

Acq: 30 May 2020 14:27

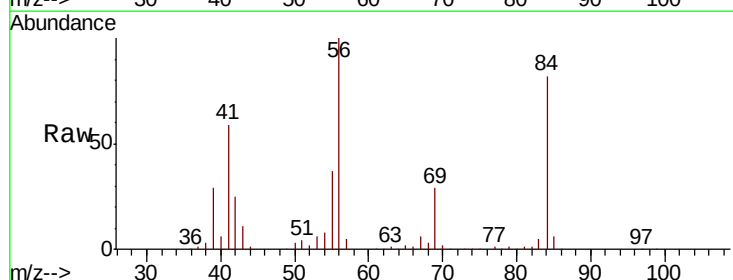
Tgt Ion: 56 Resp: 219257

Ion Ratio Lower Upper

56 100

69 29.4 23.5 35.3

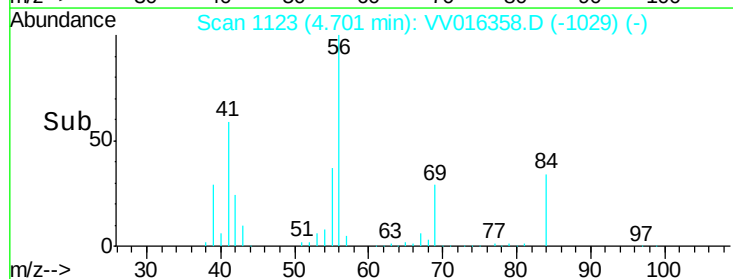
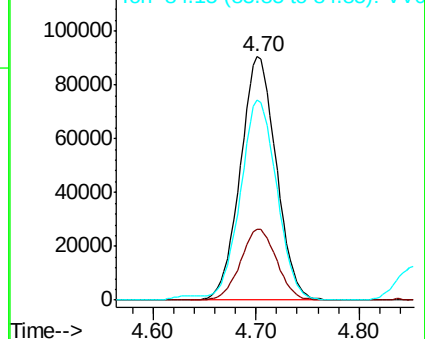
84 83.3 65.8 98.8

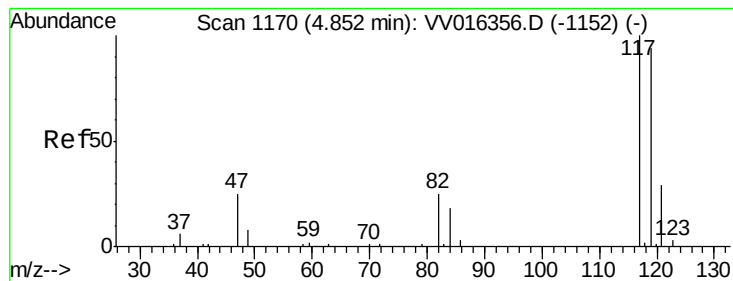


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 20.042 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV016358.D

Acq: 30 May 2020 14:27

Instrument :

MSVOA_V

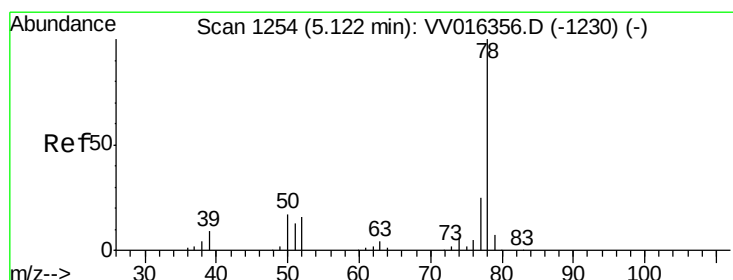
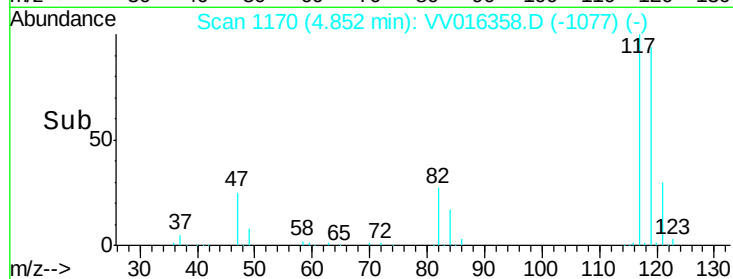
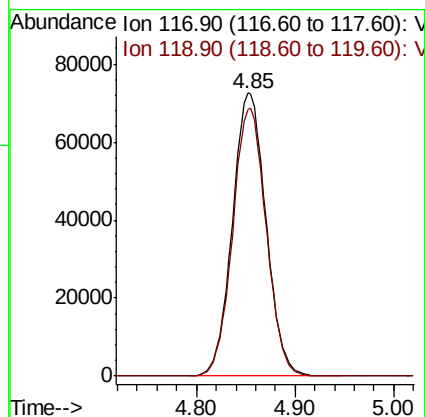
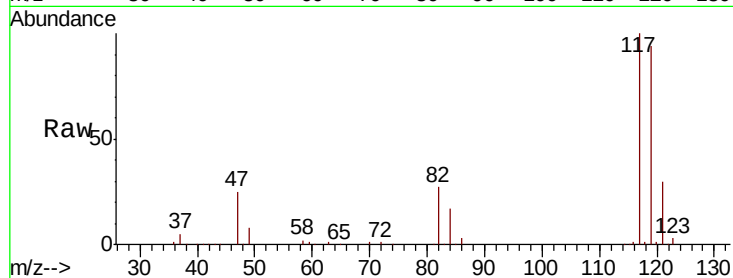
ClientSampleId :

Tot Ion:117 Resp: 171698

Ion Ratio Lower Upper

117 100

119 94.5 75.3 112.9



#33

Benzene

Concen: 19.882 ug/L

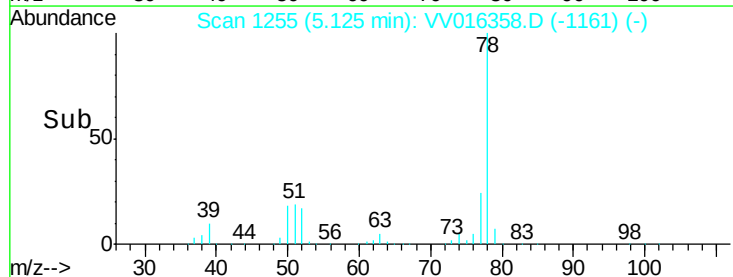
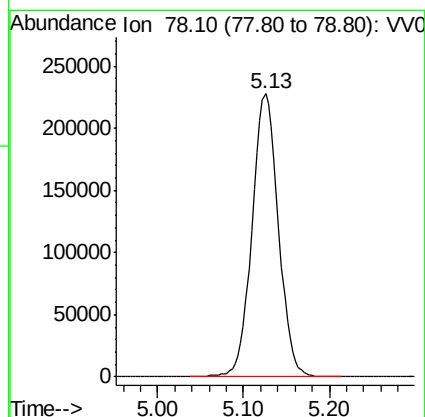
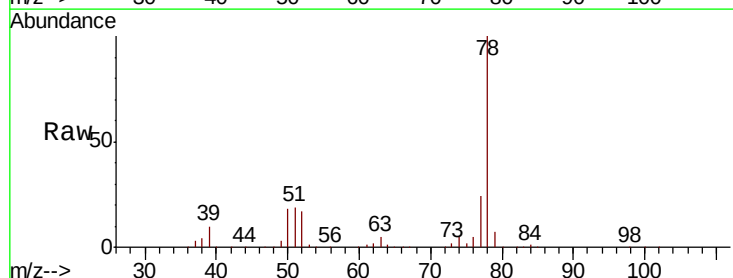
RT: 5.13 min Scan# 1255

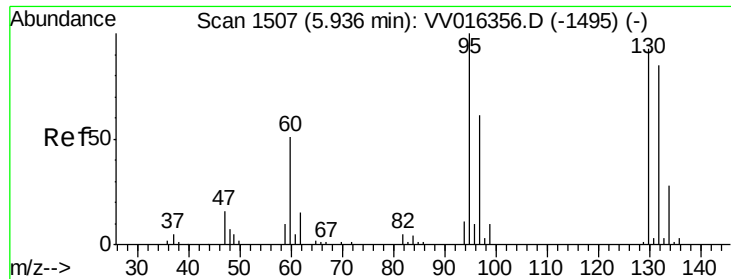
Delta R.T. 0.00 min

Lab File: VV016358.D

Acq: 30 May 2020 14:27

Tgt Ion: 78 Resp: 486356





#34

Trichloroethene

Concen: 19.536 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV016358.D

Acq: 30 May 2020 14:27

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 95 Resp: 125916

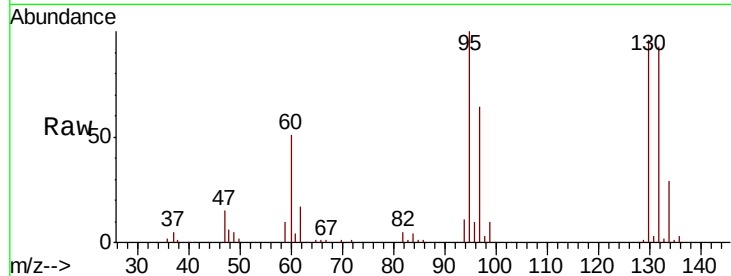
Ion Ratio Lower Upper

95 100

97 64.5 42.6 79.0

132 93.4 59.6 110.8

130 96.1 64.8 120.4

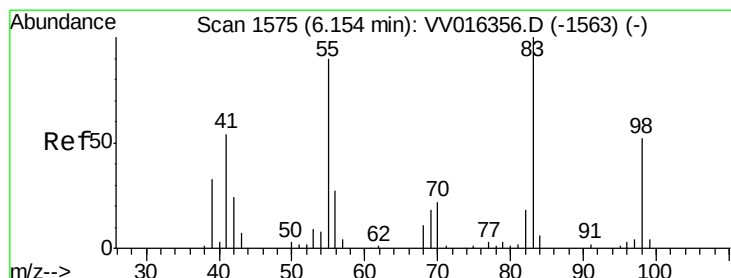
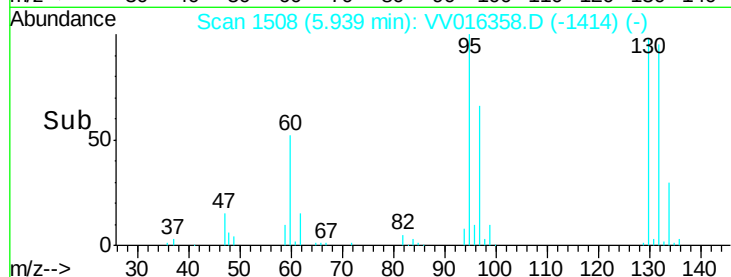
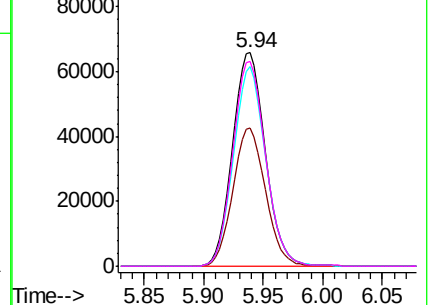


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 21.227 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VV016358.D

Acq: 30 May 2020 14:27

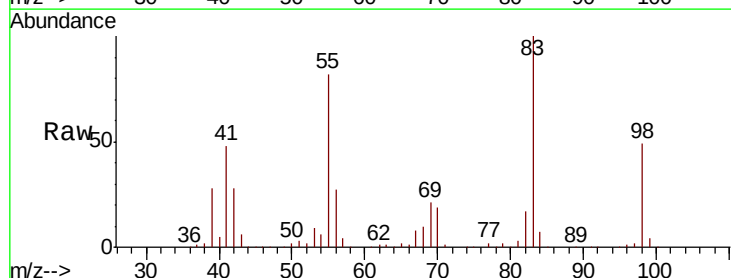
Tgt Ion: 83 Resp: 218342

Ion Ratio Lower Upper

83 100

55 82.3 67.0 100.4

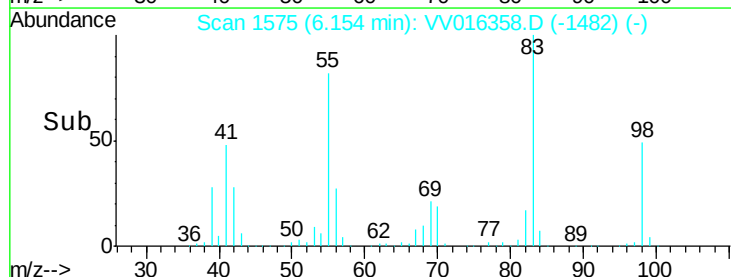
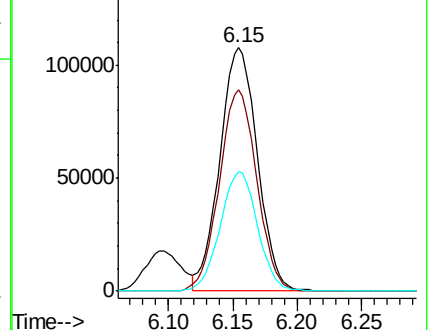
98 48.7 39.0 58.4

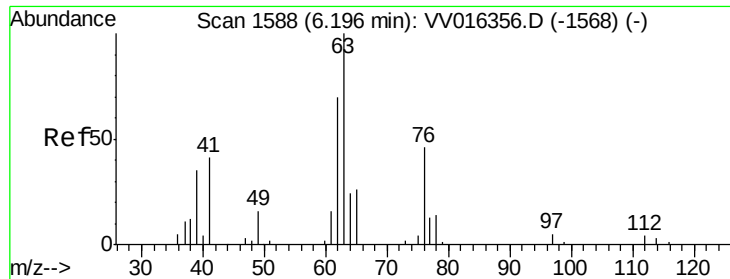


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

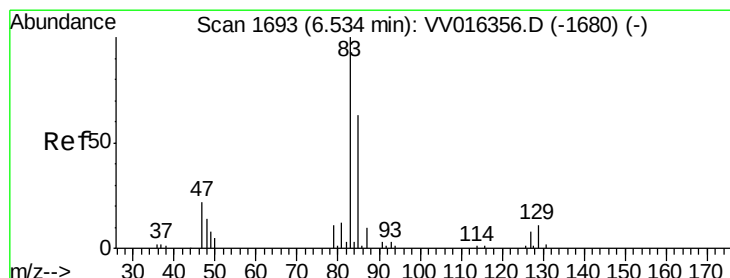
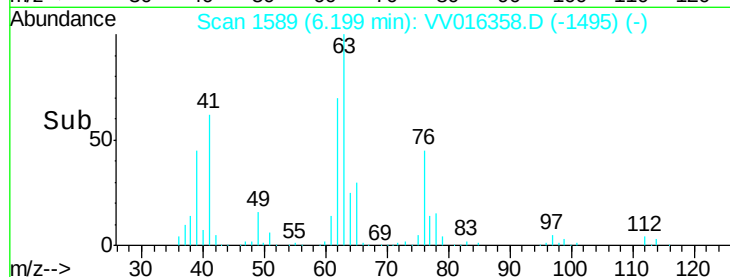
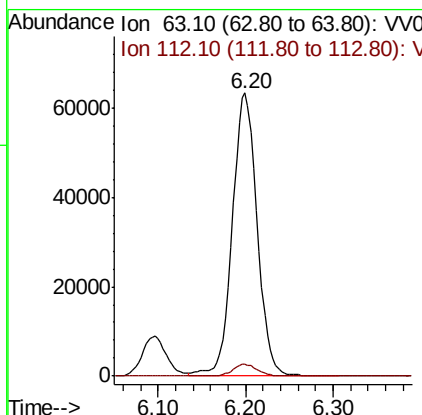
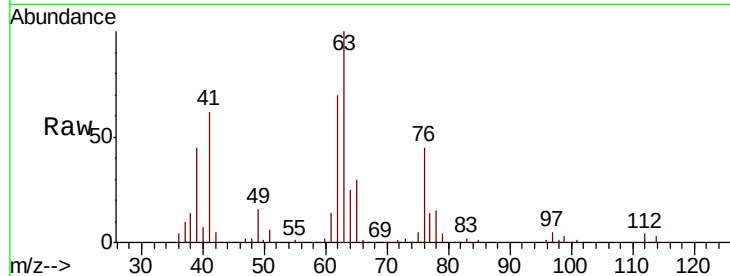




#37
 1,2-Dichloropropane
 Concen: 19.475 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV016358.D
 Acq: 30 May 2020 14:27

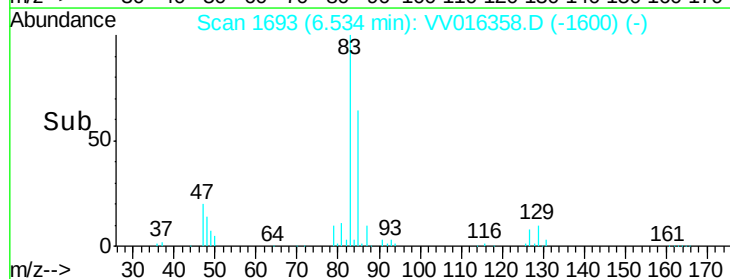
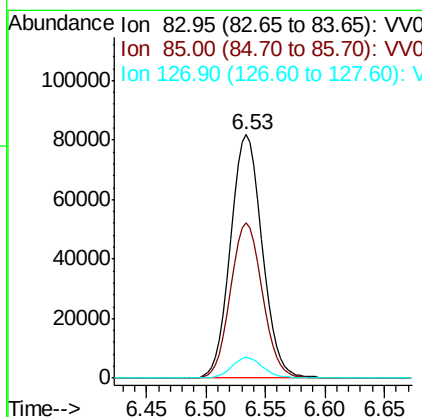
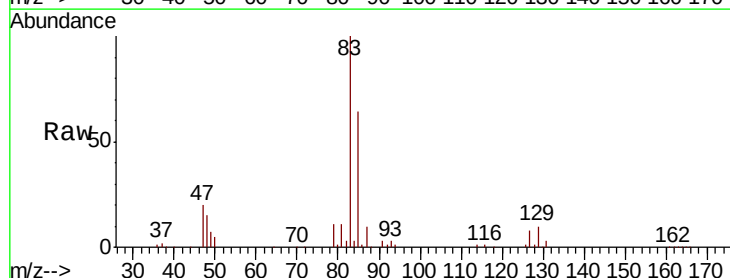
Instrument :
 MSVOA_V
 ClientSampleId :

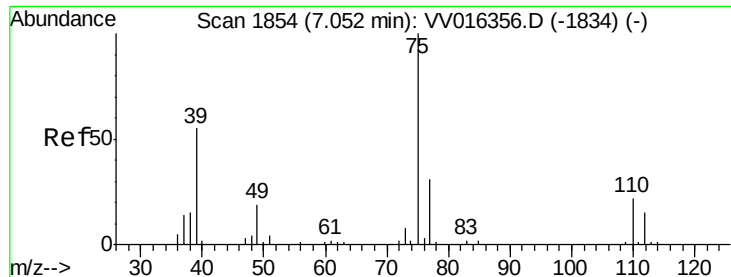
Tot Ion: 63 Resp: 124637
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.4 5.0



#38
 Bromodichloromethane
 Concen: 20.308 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. -0.00 min
 Lab File: VV016358.D
 Acq: 30 May 2020 14:27

Tgt Ion: 83 Resp: 151455
 Ion Ratio Lower Upper
 83 100
 85 63.9 44.2 82.2
 127 8.3 6.3 9.5

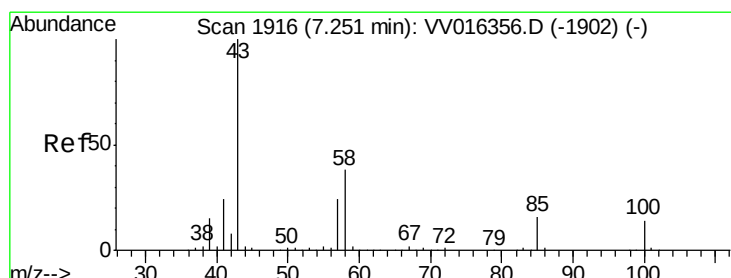
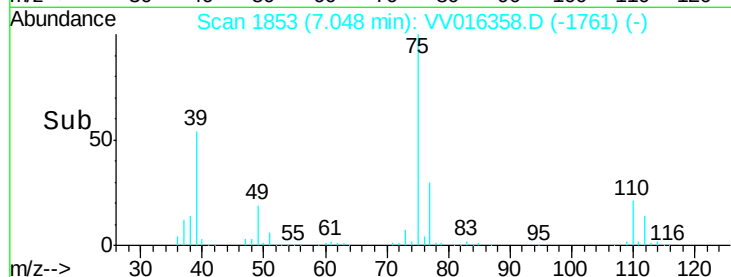
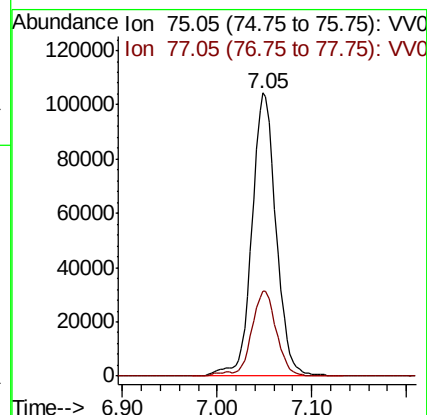
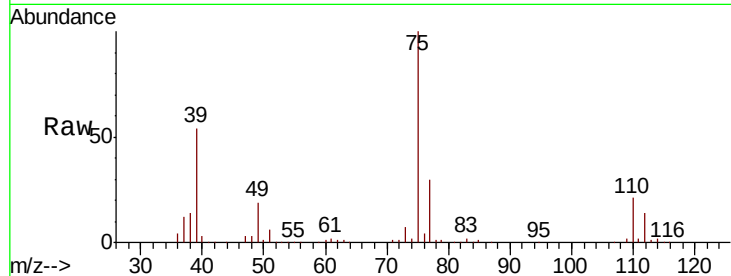




#39
 cis-1,3-Dichloropropene
 Concen: 22.687 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV016358.D
 Acq: 30 May 2020 14:27

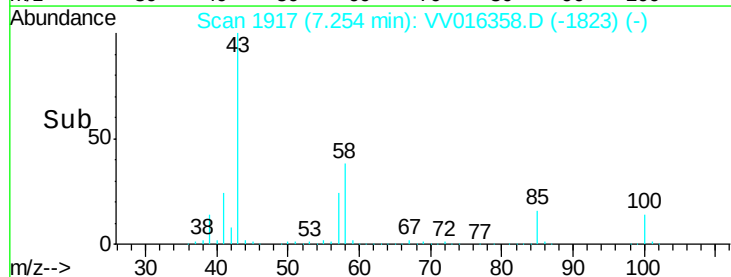
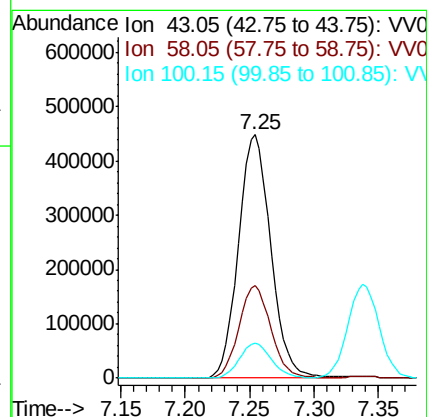
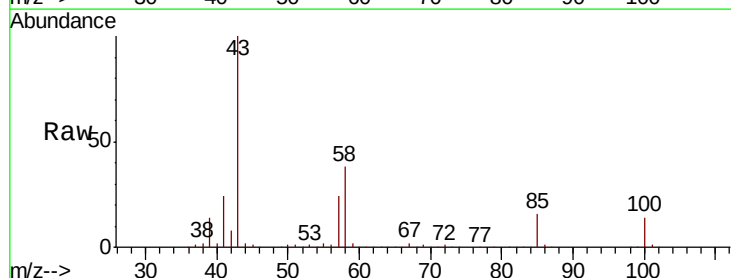
Instrument :
 MSVOA_V
 ClientSampleId :

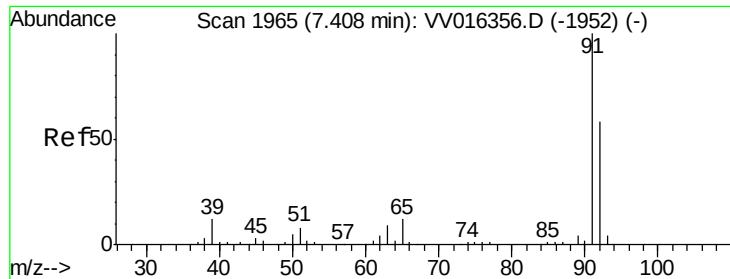
Tot Ion: 75 Resp: 185365
 Ion Ratio Lower Upper
 75 100
 77 30.1 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 205.315 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VV016358.D
 Acq: 30 May 2020 14:27

Tgt Ion: 43 Resp: 782954
 Ion Ratio Lower Upper
 43 100
 58 37.5 29.5 44.3
 100 14.1 11.0 16.6





#42

Toluene

Concen: 20.055 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV016358.D

Acq: 30 May 2020 14:27

Instrument :

MSVOA_V

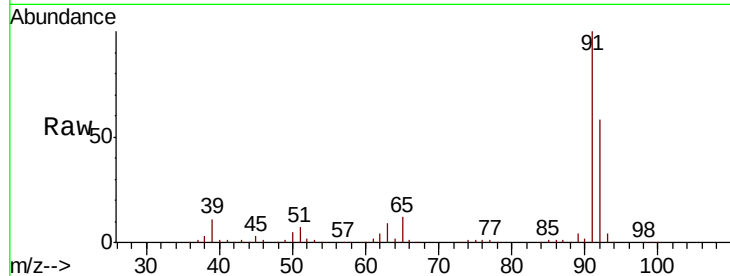
ClientSampleId :

Tot Ion: 91 Resp: 537929

Ion Ratio Lower Upper

91 100

92 58.2 40.5 75.1



Abundance Ion 91.15 (90.85 to 91.85): VV016356.D (-1952) (-)

Ion 92.15 (91.85 to 92.85): VV016358.D (-1872) (-)

7.41

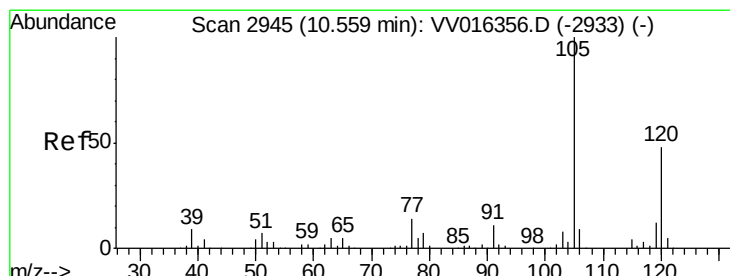
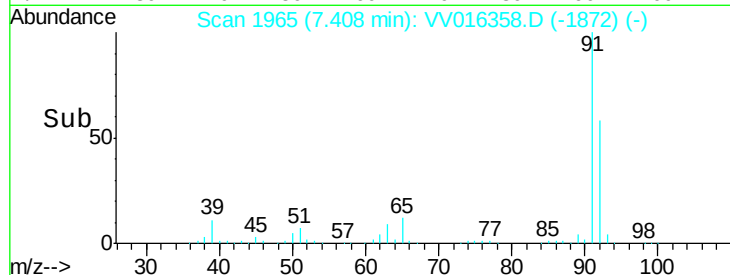
300000

200000

100000

0

Time-->



#43

1,3,5-Trimethylbenzene

Concen: 21.250 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VV016358.D

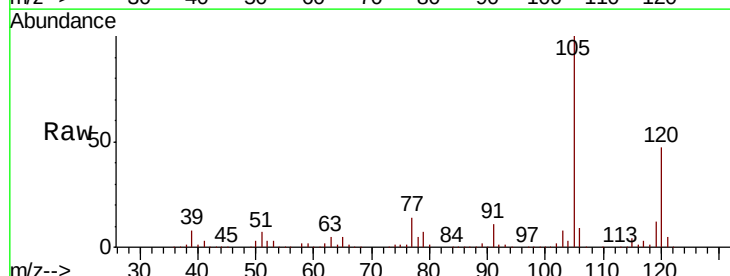
Acq: 30 May 2020 14:27

Tgt Ion:105 Resp: 523466

Ion Ratio Lower Upper

105 100

120 47.2 37.5 56.3



Abundance Ion 105.00 (104.70 to 105.70): VV016356.D (-2933) (-)

Ion 120.00 (119.70 to 120.70): VV016358.D (-2323) (-)

10.56

400000

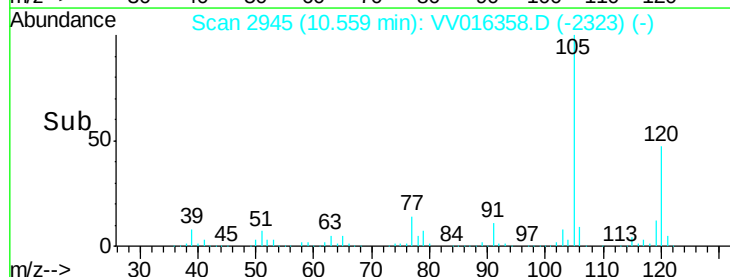
300000

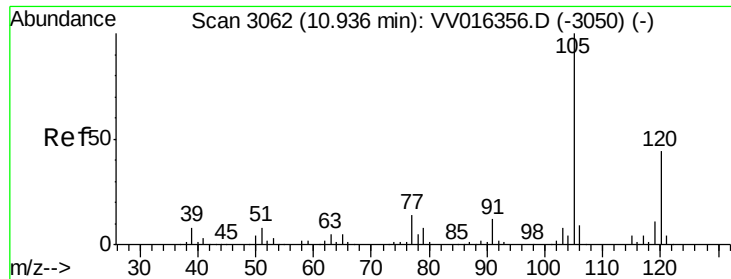
200000

100000

0

Time-->

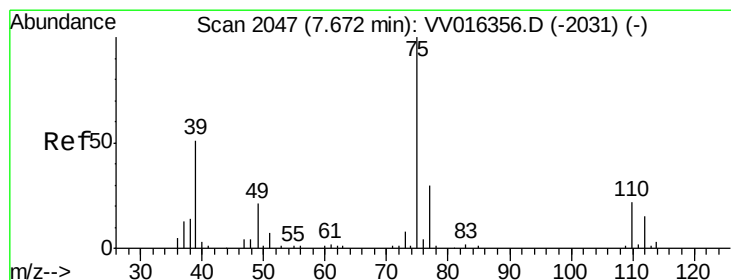
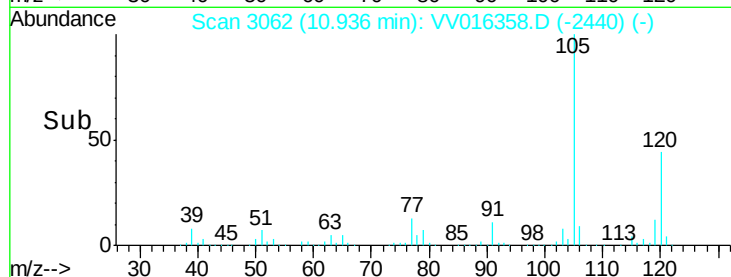
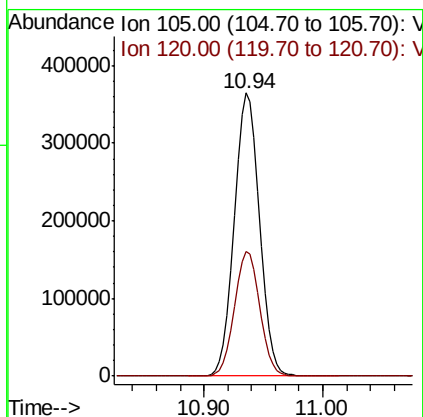
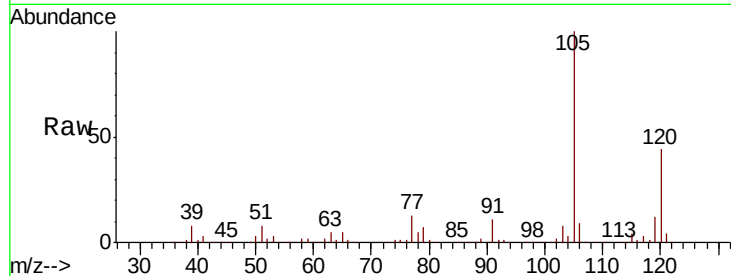




#44
 1,2,4-Trimethylbenzene
 Concen: 21.510 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VV016358.D
 Acq: 30 May 2020 14:27

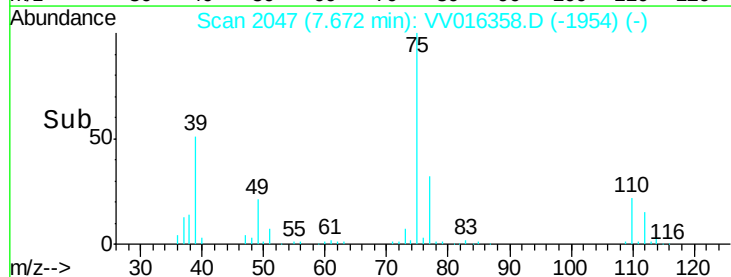
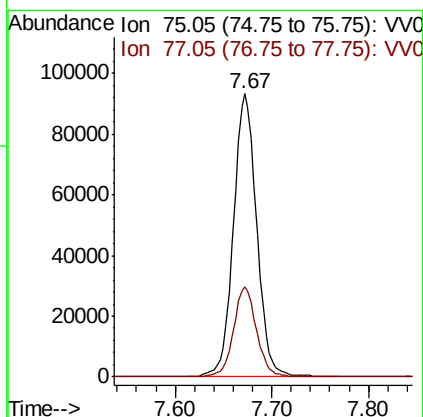
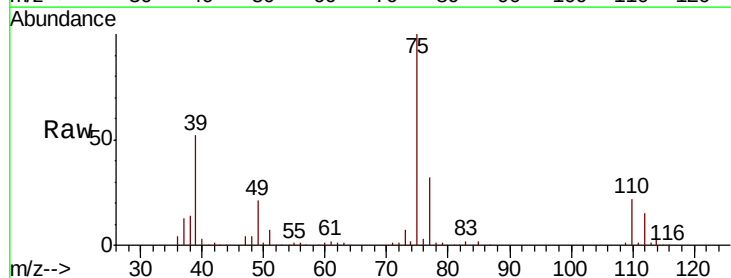
Instrument :
 MSVOA_V
 ClientSampleId :

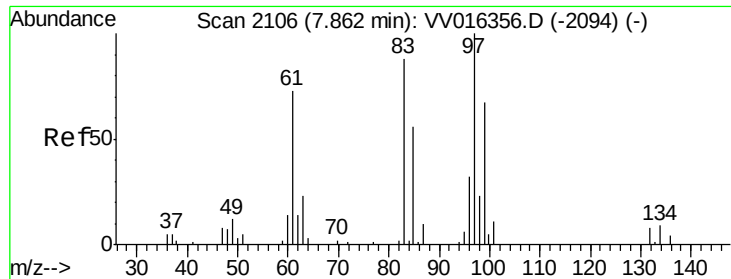
Tot Ion:105 Resp: 535650
 Ion Ratio Lower Upper
 105 100
 120 44.3 35.5 53.3



#46
 trans-1,3-Dichloropropene
 Concen: 22.228 ug/L
 RT: 7.67 min Scan# 2047
 Delta R.T. -0.00 min
 Lab File: VV016358.D
 Acq: 30 May 2020 14:27

Tgt Ion: 75 Resp: 156081
 Ion Ratio Lower Upper
 75 100
 77 31.9 21.1 39.3

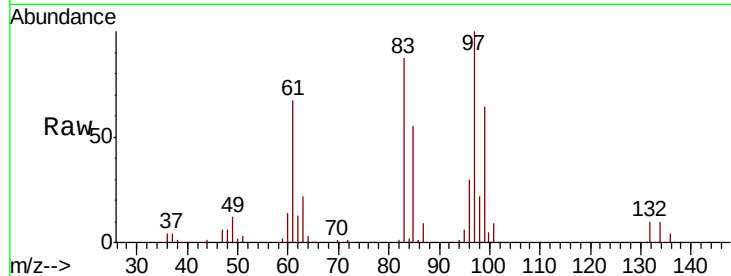




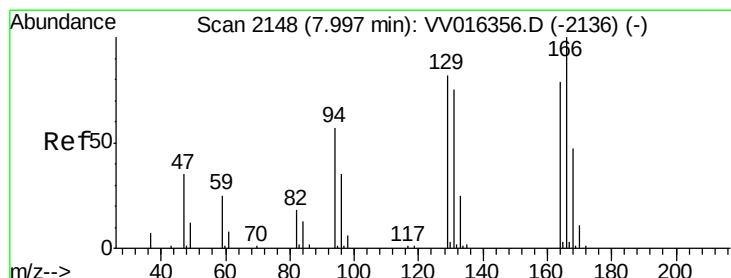
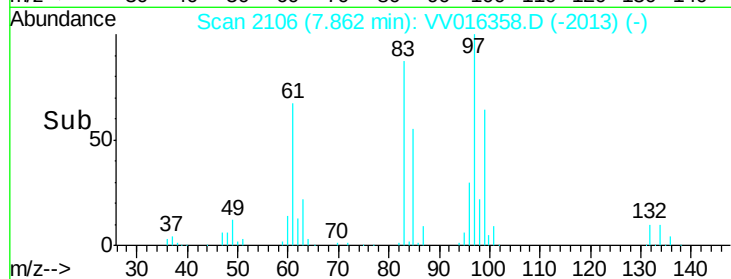
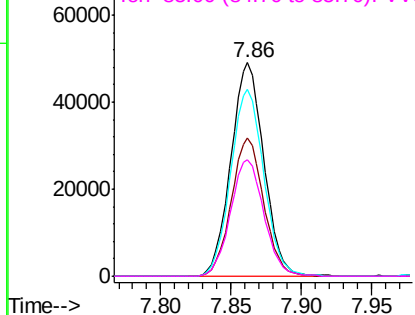
#47
 1,1,2-Trichloroethane
 Concen: 20.208 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. -0.00 min
 Lab File: VV016358.D
 Acq: 30 May 2020 14:27

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	80376
Ion	Ratio	Lower	Upper
97	100		
99	64.5	47.0	87.2
83	87.5	61.7	114.5
85	54.7	39.1	72.5

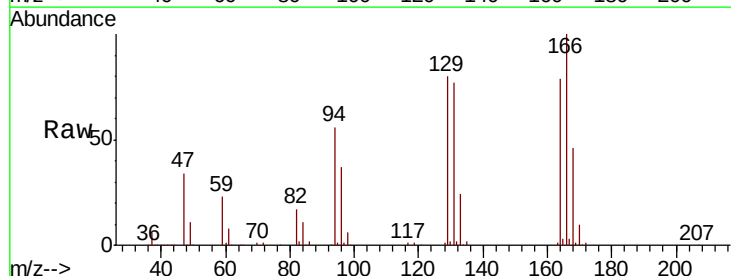


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

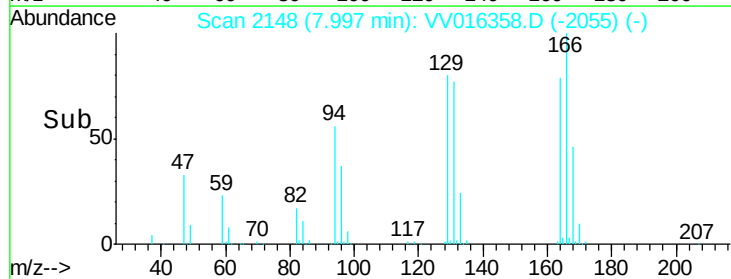
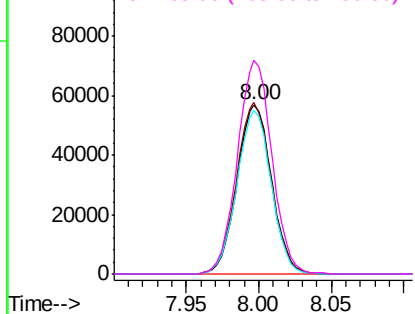


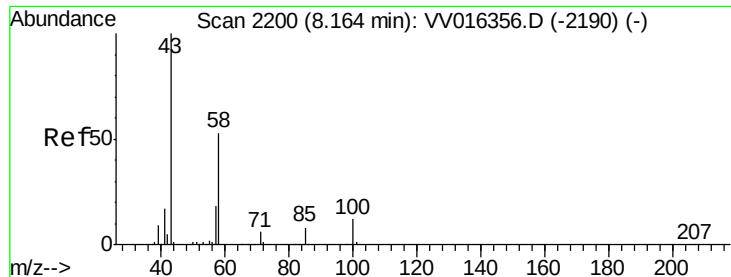
#49
 Tetrachloroethene
 Concen: 20.432 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV016358.D
 Acq: 30 May 2020 14:27

Tgt Ion:	164	Resp:	94145
Ion	Ratio	Lower	Upper
164	100		
129	101.0	72.2	134.0
131	97.1	65.8	122.2
166	126.2	88.3	163.9



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

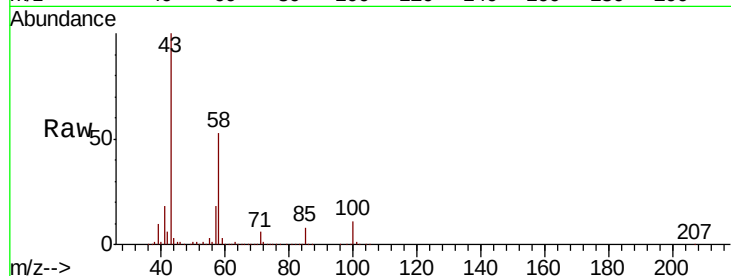




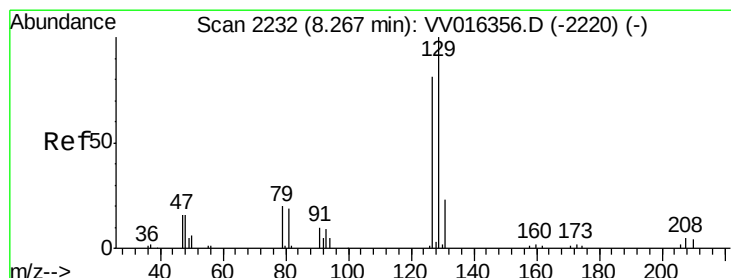
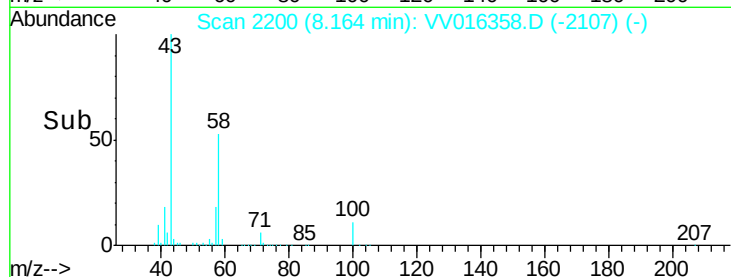
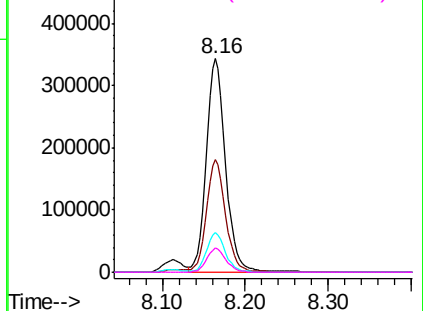
#50
2-Hexanone
Concen: 207.843 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. -0.00 min
Lab File: VV016358.D
Acq: 30 May 2020 14:27

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 563364
Ion Ratio Lower Upper
43 100
58 52.4 41.1 61.7
57 18.2 14.2 21.4
100 11.3 8.8 13.2

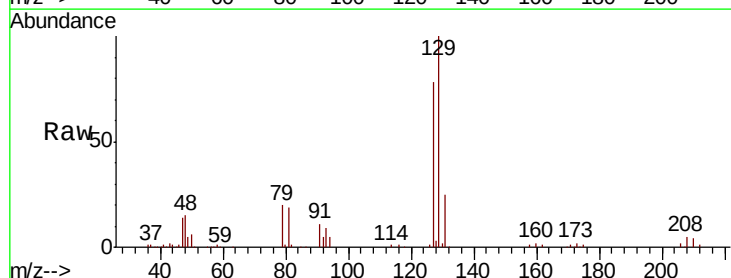


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

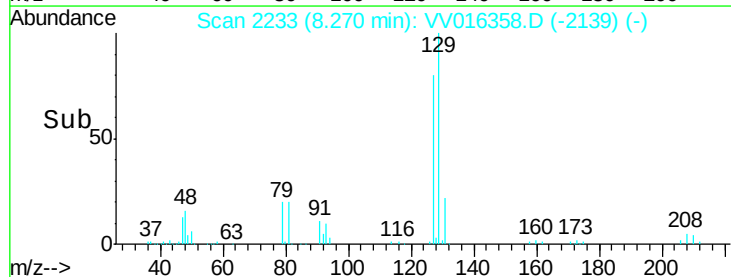
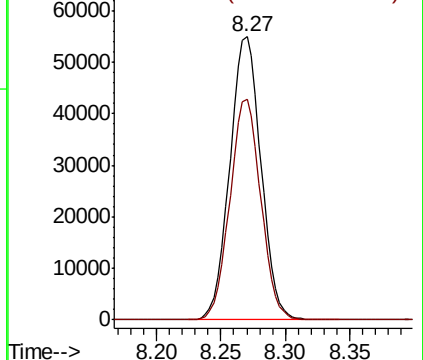


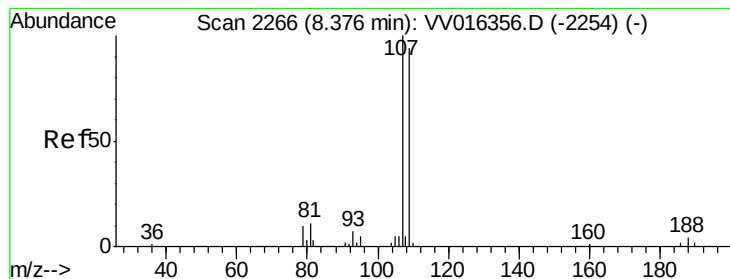
#51
Dibromochloromethane
Concen: 22.458 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.00 min
Lab File: VV016358.D
Acq: 30 May 2020 14:27

Tgt Ion: 129 Resp: 92435
Ion Ratio Lower Upper
129 100
127 78.0 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: 20.096 ug/L

RT: 8.37 min Scan# 2265

Delta R.T. -0.00 min

Lab File: VV016358.D

Acq: 30 May 2020 14:27

Instrument :

MSVOA_V

ClientSampleId :

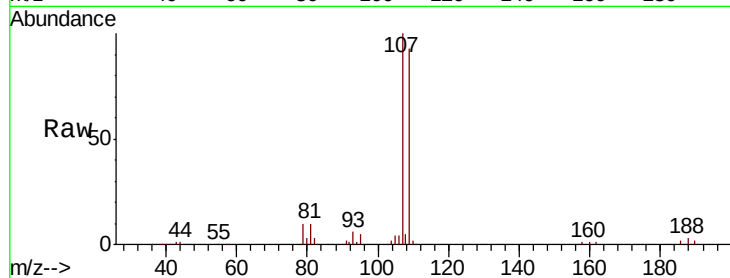
Tot Ion:107 Resp: 76204

Ion Ratio Lower Upper

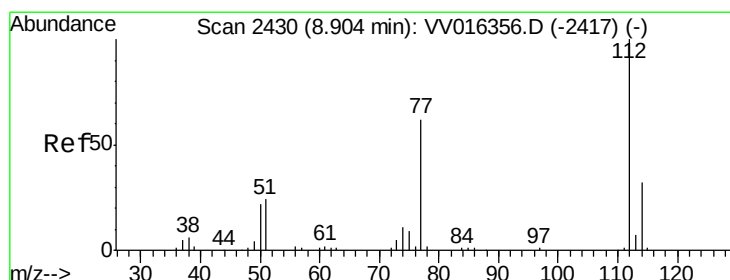
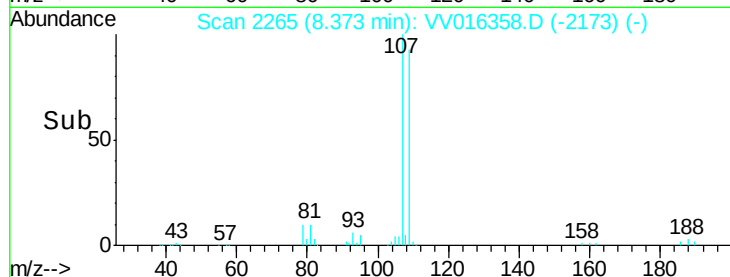
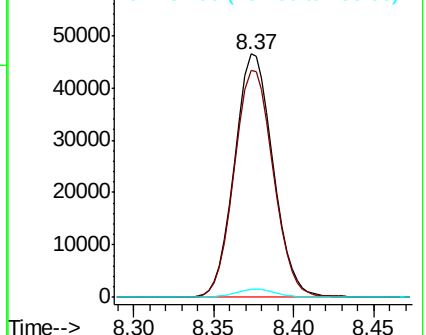
107 100

109 93.0 65.9 122.3

188 3.2 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: 20.138 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VV016358.D

Acq: 30 May 2020 14:27

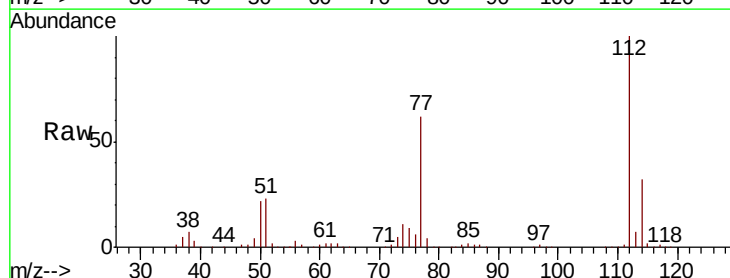
Tgt Ion:112 Resp: 328359

Ion Ratio Lower Upper

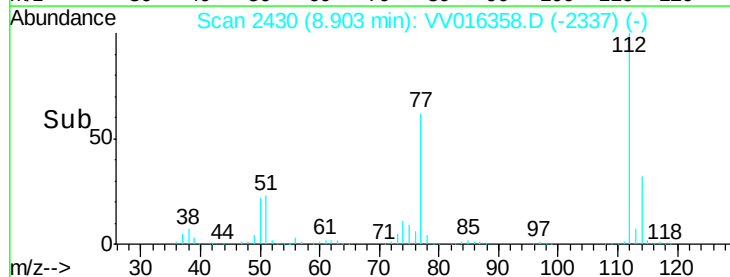
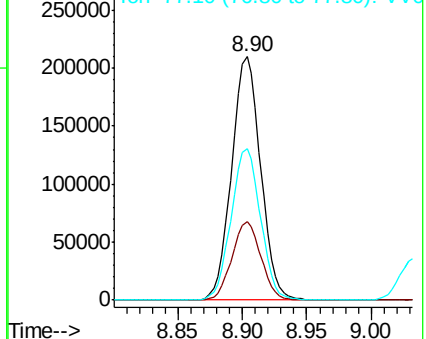
112 100

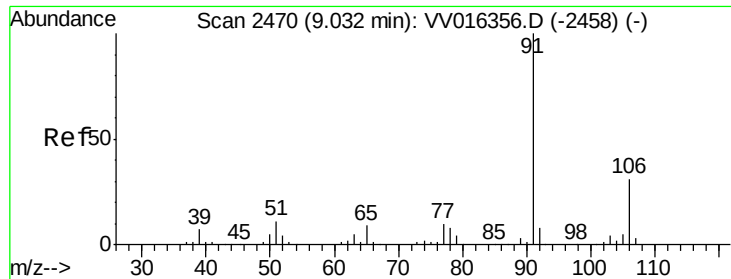
114 32.0 22.6 42.0

77 62.2 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): V





#54

Ethylbenzene

Concen: 20.861 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV016358.D

Acq: 30 May 2020 14:27

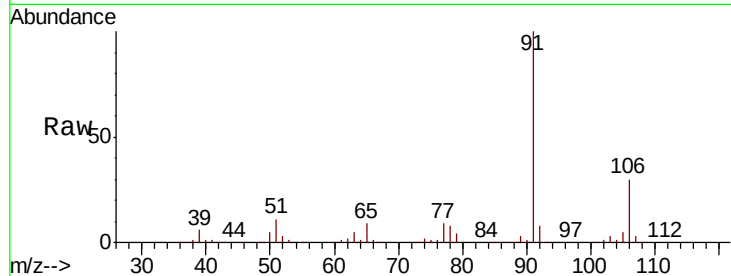
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 615672

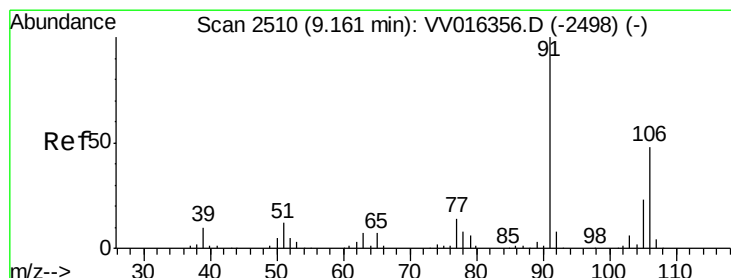
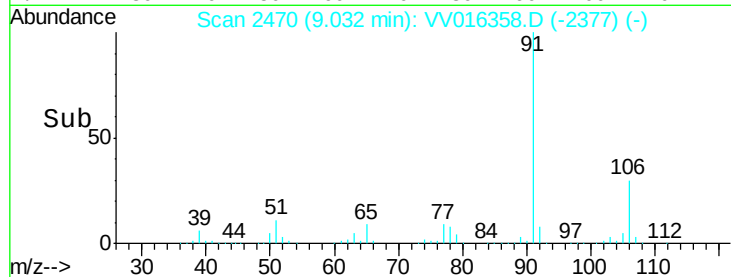
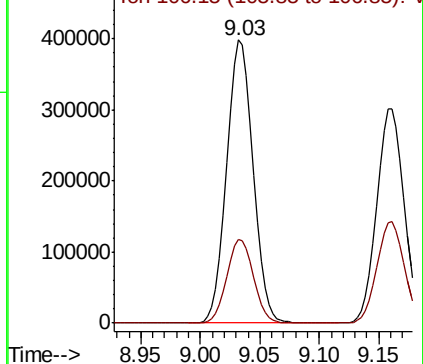
Ion Ratio Lower Upper

91 100

106 29.5 21.4 39.8



Abundance Ion 91.15 (90.85 to 91.85): VV016358.D (-2377) (-)



#55

m,p-xylene

Concen: 20.729 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. -0.00 min

Lab File: VV016358.D

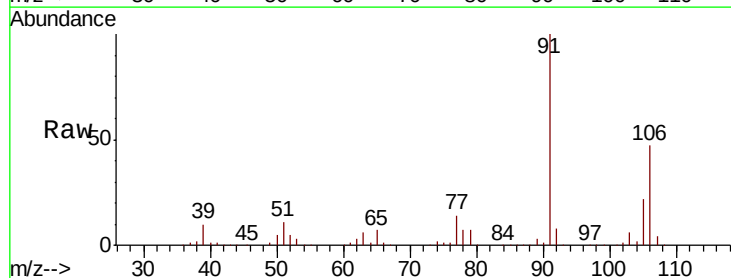
Acq: 30 May 2020 14:27

Tgt Ion: 106 Resp: 229303

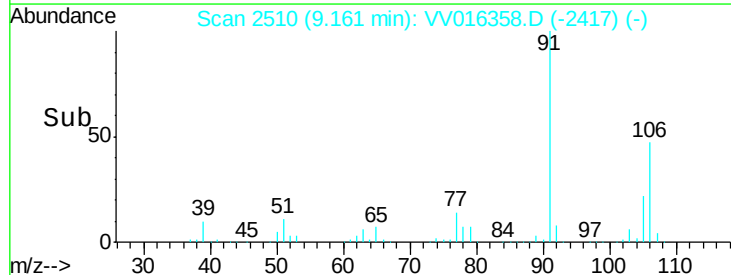
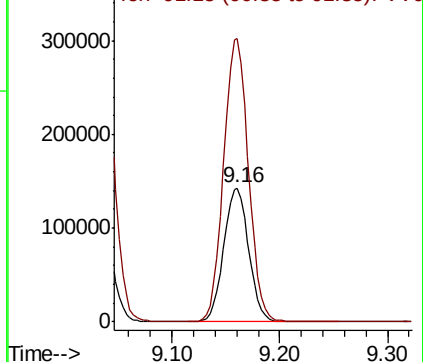
Ion Ratio Lower Upper

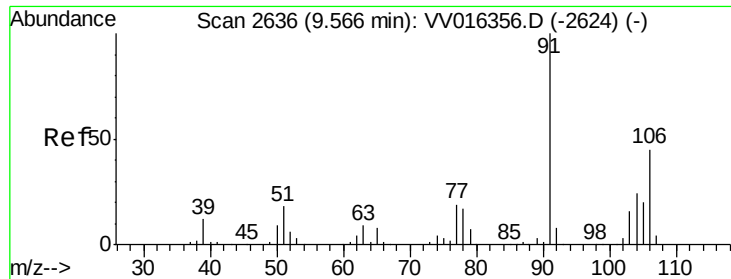
106 100

91 211.2 146.6 272.2



Abundance Ion 106.15 (105.85 to 106.85): VV016358.D (-2417) (-)

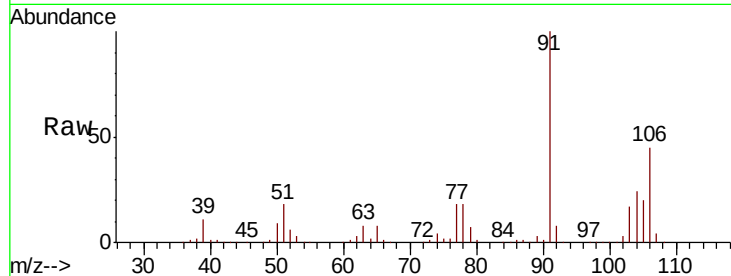




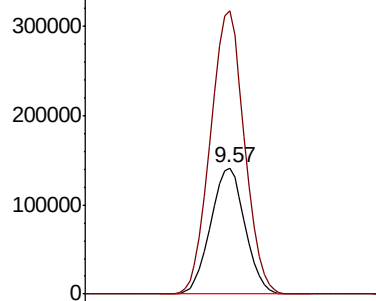
#56
o-xylene
Concen: 20.657 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. -0.00 min
Lab File: VV016358.D
Acq: 30 May 2020 14:27

Instrument :
MSVOA_V
ClientSampleId :

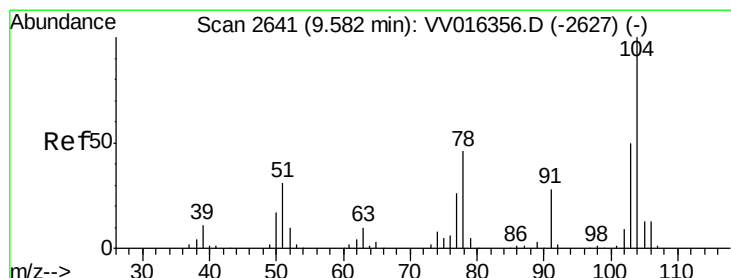
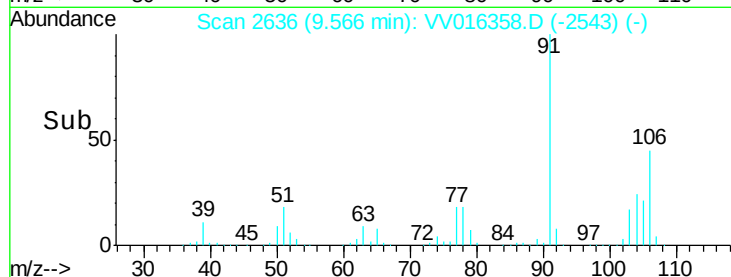
Tot Ion:106 Resp: 218672
Ion Ratio Lower Upper
106 100
91 224.2 155.2 288.2



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

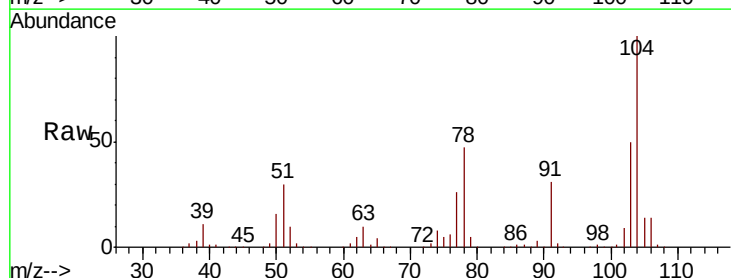


Time-->

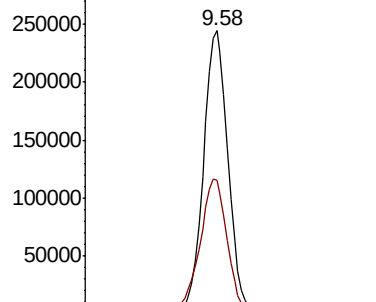


#57
Styrene
Concen: 20.743 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. -0.00 min
Lab File: VV016358.D
Acq: 30 May 2020 14:27

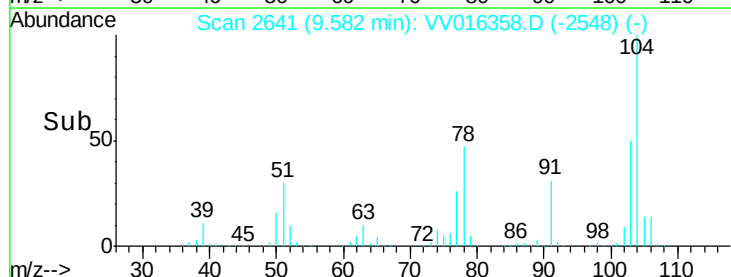
Tgt Ion:104 Resp: 378564
Ion Ratio Lower Upper
104 100
78 47.1 32.6 60.6

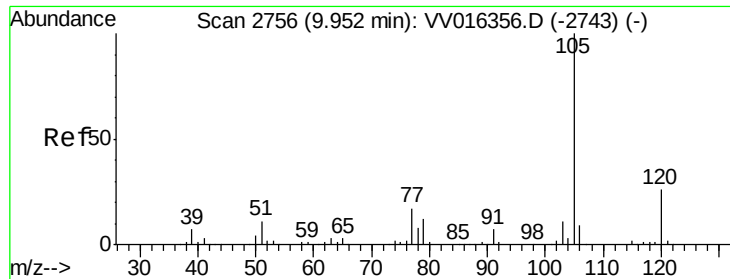


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0



Time-->





#58

Isopropylbenzene

Concen: 21.154 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV016358.D

Acq: 30 May 2020 14:27

Instrument :
MSVOA_V
ClientSampled :

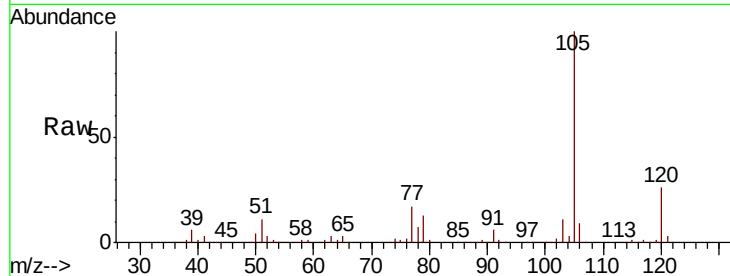
Tot Ion:105 Resp: 604567

Ion Ratio Lower Upper

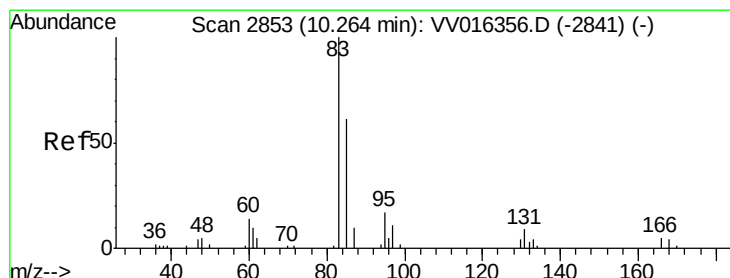
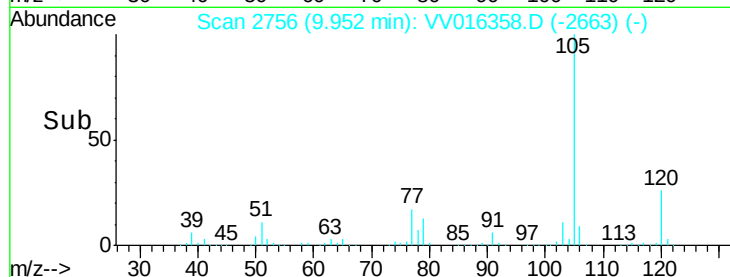
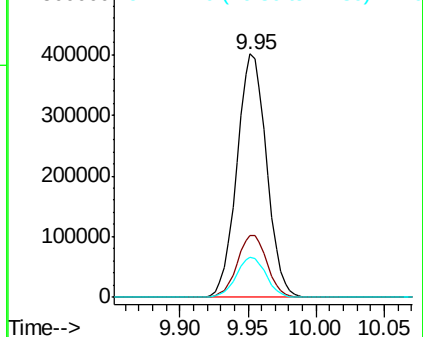
105 100

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: 20.301 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV016358.D

Acq: 30 May 2020 14:27

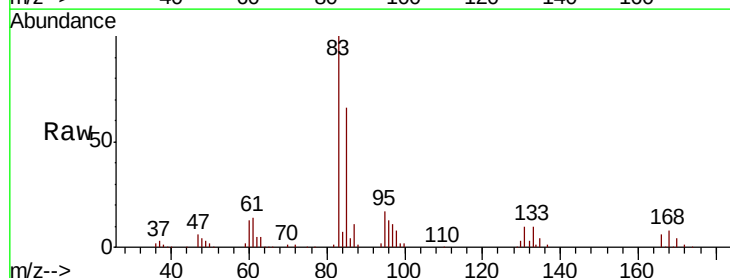
Tgt Ion: 83 Resp: 100327

Ion Ratio Lower Upper

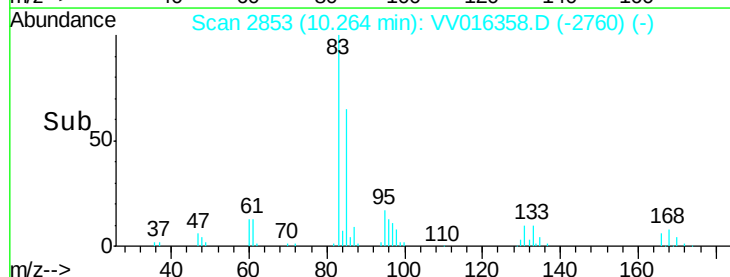
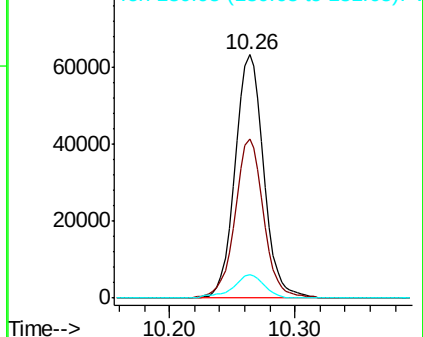
83 100

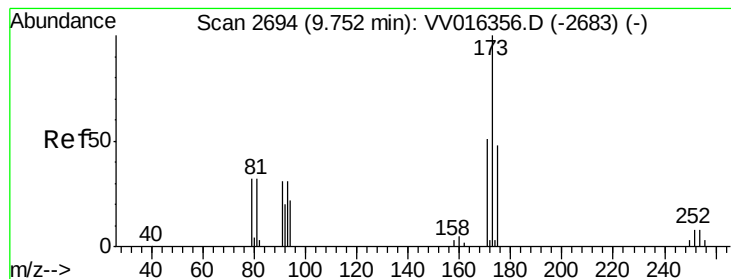
85 65.6 43.7 81.1

131 9.9 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: 22.396 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV016358.D

Acq: 30 May 2020 14:27

Instrument :
MSVOA_V
ClientSampleId :

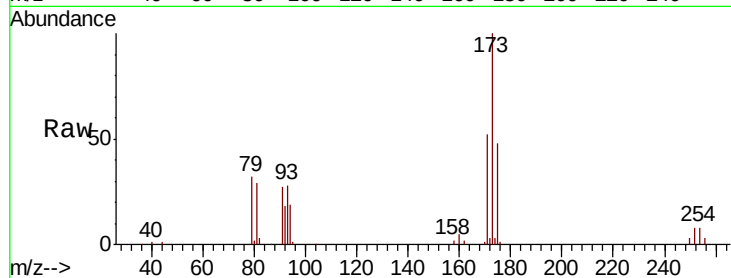
Tot Ion:173 Resp: 39409

Ion Ratio Lower Upper

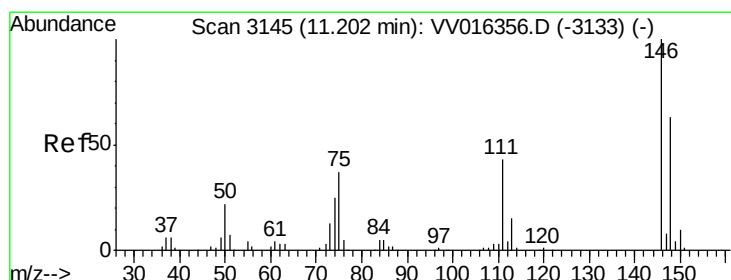
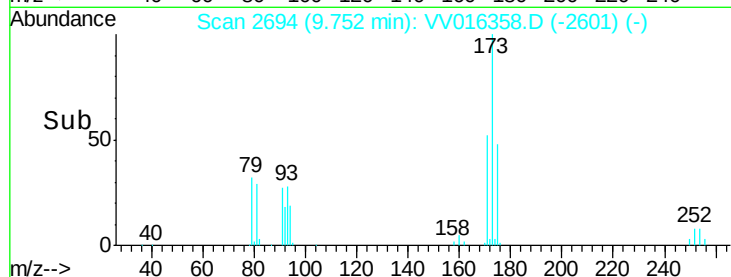
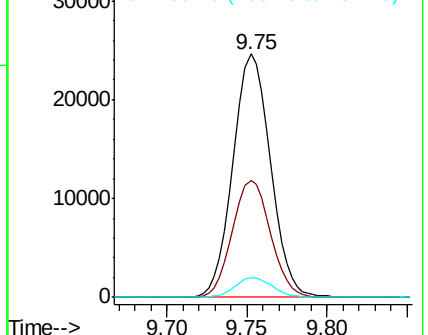
173 100

175 48.6 38.3 57.5

254 8.0 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: 20.092 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV016358.D

Acq: 30 May 2020 14:27

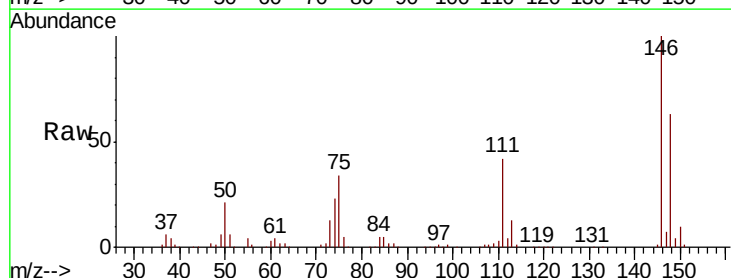
Tgt Ion:146 Resp: 263399

Ion Ratio Lower Upper

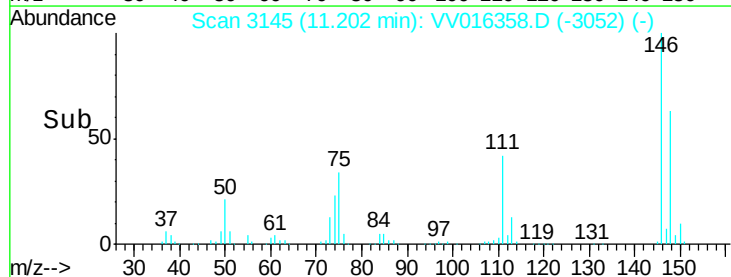
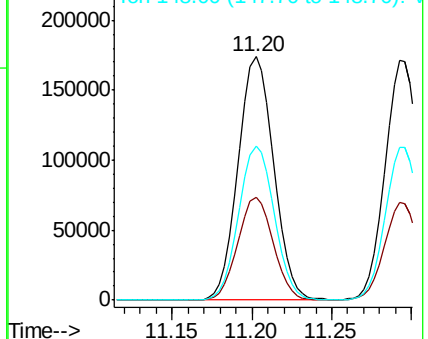
146 100

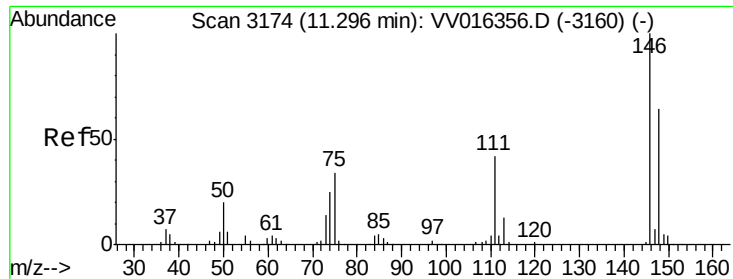
111 42.2 30.3 56.3

148 63.4 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

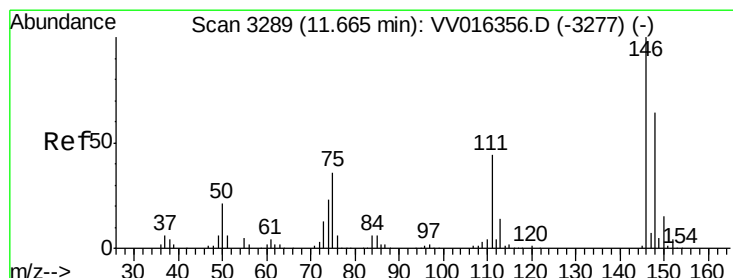
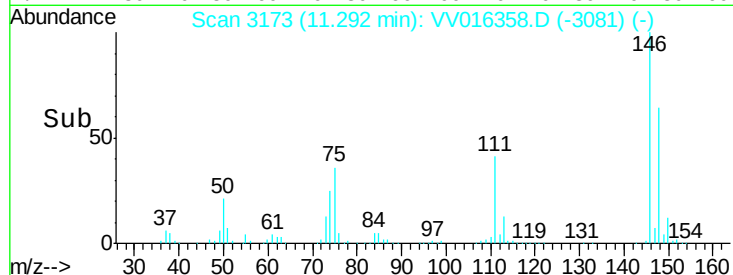
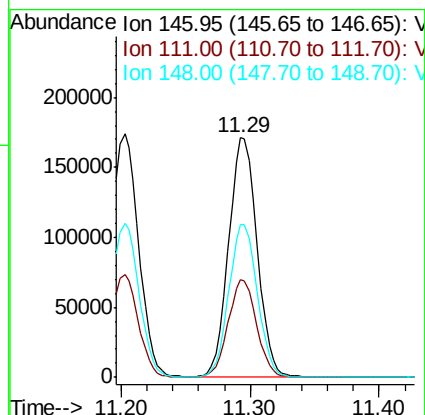
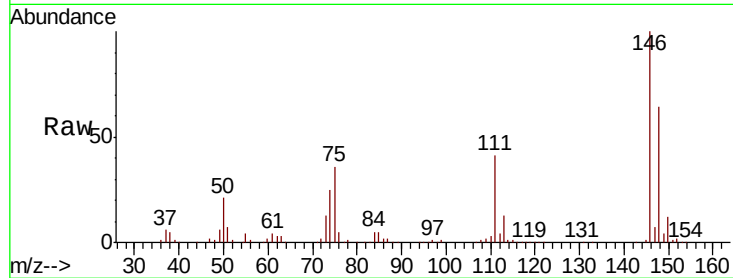




#64
 1,4-Dichlorobenzene
 Concen: 20.071 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV016358.D
 Acq: 30 May 2020 14:27

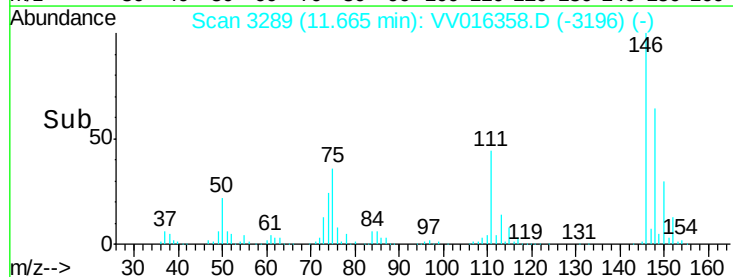
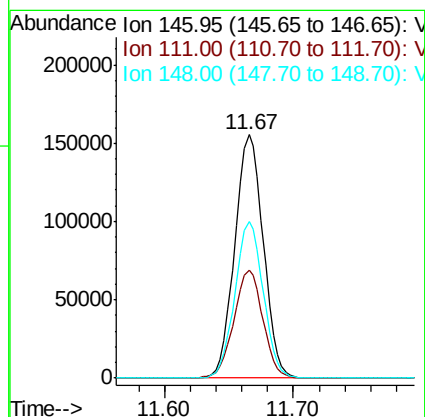
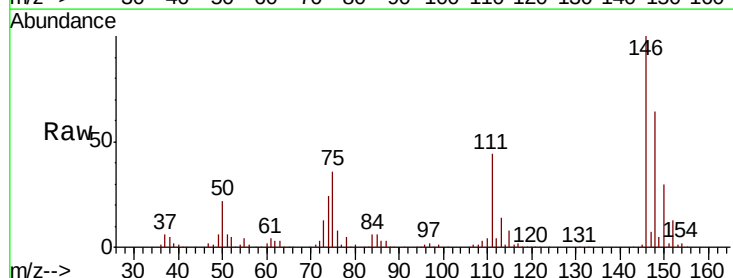
Instrument :
 MSVOA_V
 ClientSampled :

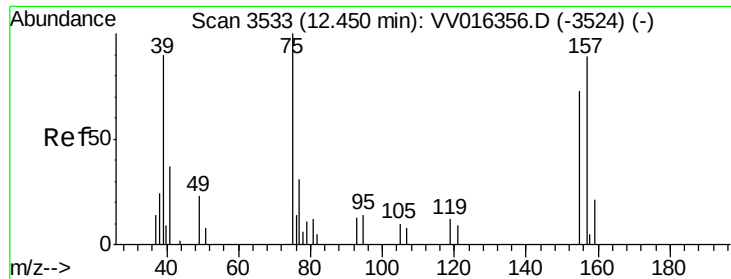
Tot Ion:146 Resp: 261891
 Ion Ratio Lower Upper
 146 100
 111 40.8 29.6 55.0
 148 63.6 44.7 83.1



#66
 1,2-Dichlorobenzene
 Concen: 20.289 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV016358.D
 Acq: 30 May 2020 14:27

Tgt Ion:146 Resp: 238883
 Ion Ratio Lower Upper
 146 100
 111 44.4 35.4 53.2
 148 64.2 51.0 76.4

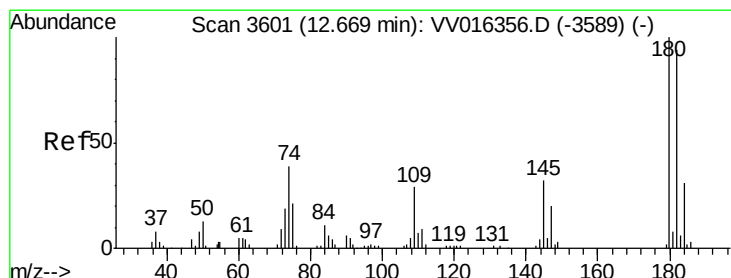
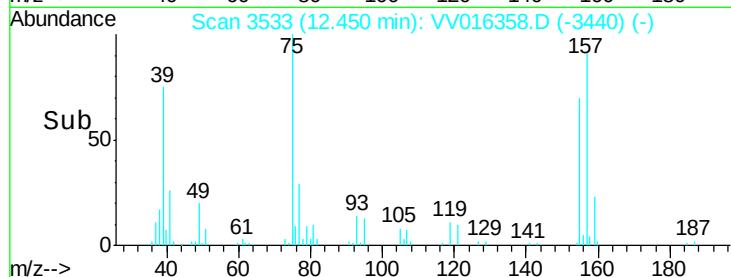
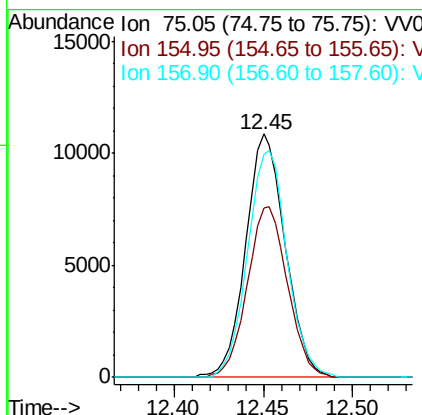
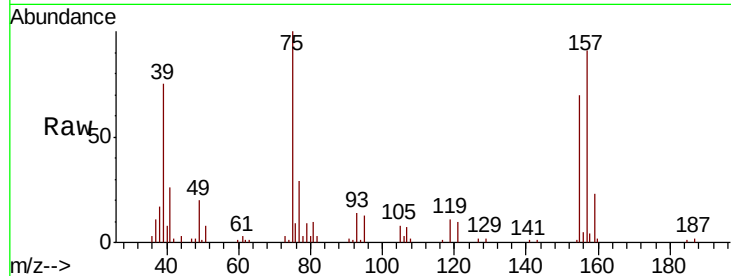




#67
 1,2-Dibromo-3-chloropropane
 Concen: 22.057 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV016358.D
 Acq: 30 May 2020 14:27

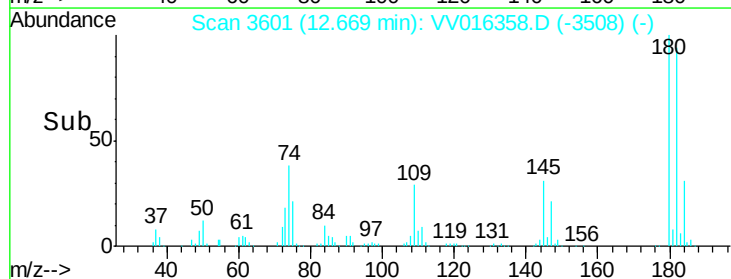
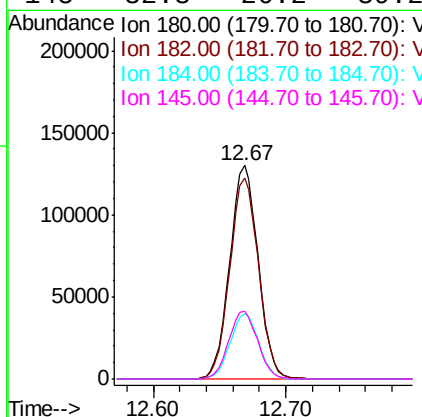
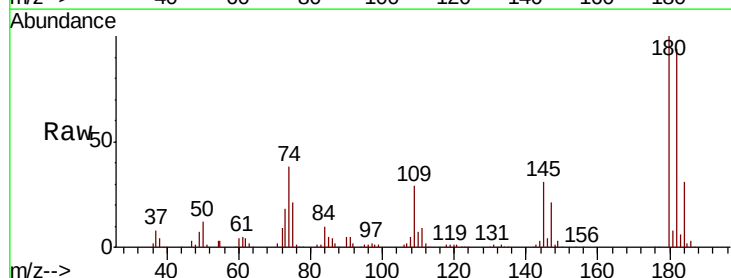
Instrument :
 MSVOA_V
 ClientSampleId :

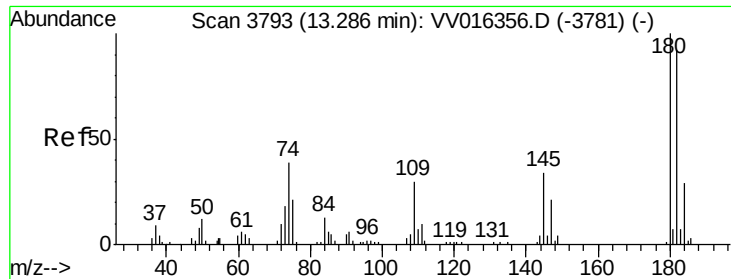
Tot Ion: 75 Resp: 16784
 Ion Ratio Lower Upper
 75 100
 155 69.7 58.1 87.1
 157 91.5 71.0 106.4



#68
 1,3,5-Trichlorobenzene
 Concen: 20.694 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV016358.D
 Acq: 30 May 2020 14:27

Tgt Ion: 180 Resp: 193567
 Ion Ratio Lower Upper
 180 100
 182 95.1 75.5 113.3
 184 30.7 24.2 36.2
 145 32.3 26.2 39.2

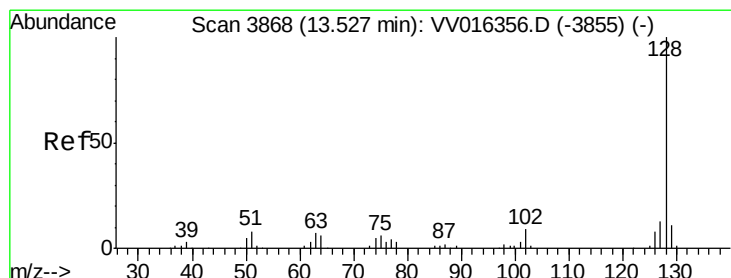
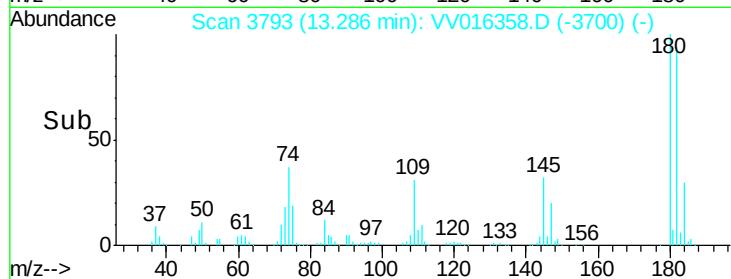
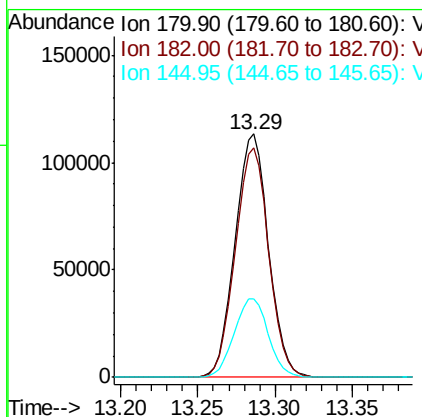
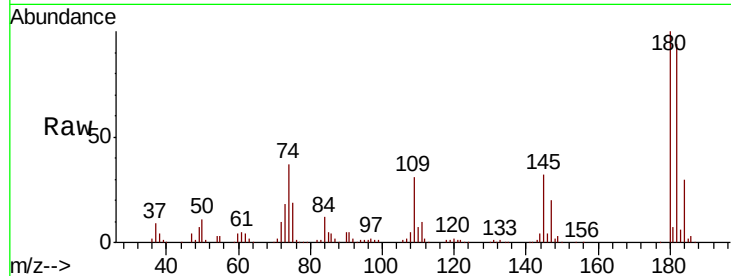




#69
 1,2,4-trichlorobenzene
 Concen: 21.864 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. -0.00 min
 Lab File: VV016358.D
 Acq: 30 May 2020 14:27

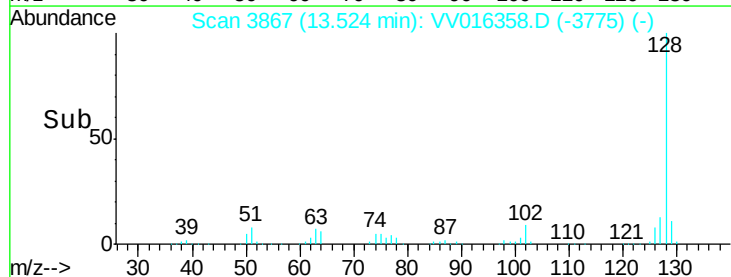
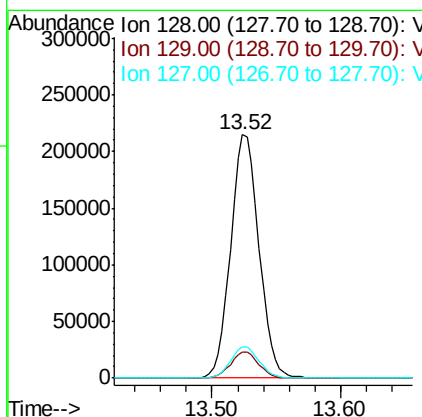
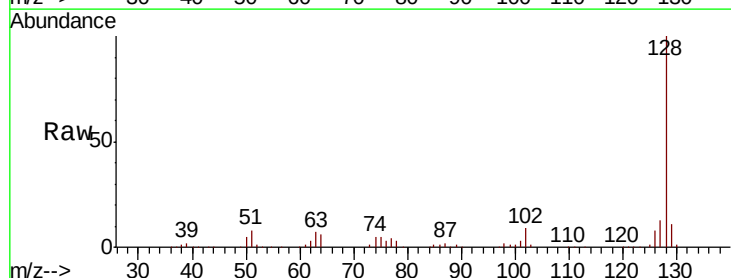
Instrument :
 MSVOA_V
 ClientSampled :

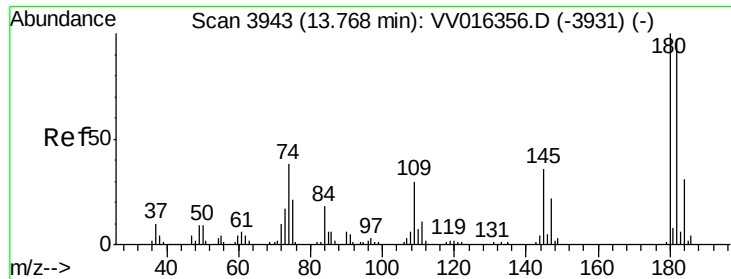
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	76.4	114.6
145	32.9	26.9	40.3



#70
 Naphthalene
 Concen: 21.617 ug/L
 RT: 13.52 min Scan# 3867
 Delta R.T. -0.00 min
 Lab File: VV016358.D
 Acq: 30 May 2020 14:27

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	12.8
127	12.9	10.7	16.1





#71

1,2,3-Trichlorobenzene

Concen: 21.217 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

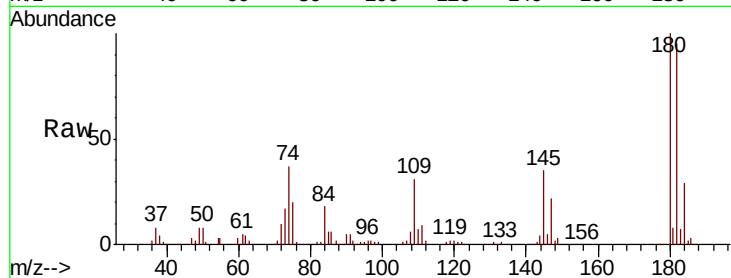
Lab File: VV016358.D

Acq: 30 May 2020 14:27

Instrument :

MSVOA_V

ClientSampleId :



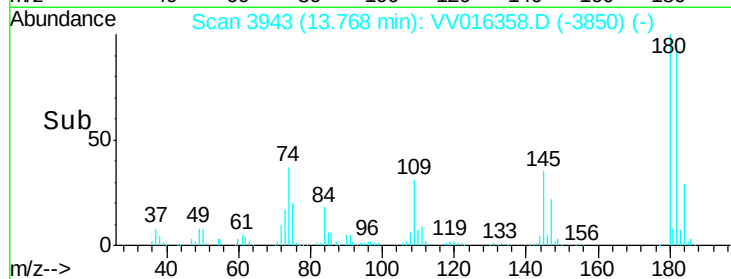
Tot Ion:180 Resp: 150052

Ion Ratio Lower Upper

180 100

182 94.1 75.1 112.7

145 35.1 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

