

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV021120\
 Data File : VV014561.D
 Acq On : 11 Feb 2020 18:05
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Feb 12 03:19:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM020120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 12 03:16:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	297602	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	277337	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	138427	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	57221	34.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	69.24%
7) Chloroethane-d5	1.59	69	42949	41.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.58%
11) 1,1-Dichloroethene-d2	2.13	63	102309	46.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.74%
21) 2-Butanone-d5	3.92	46	122099	109.79	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.79%
24) Chloroform-d	4.40	84	189373	54.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.28%
26) 1,2-Dichloroethane-d4	5.08	65	117826	55.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.84%
32) Benzene-d6	5.10	84	375070	51.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.72%
36) 1,2-Dichloropropane-d6	6.11	67	115104	49.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.64%
41) Toluene-d8	7.36	98	351353	52.12	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.24%
43) trans-1,3-Dichloropropene-	7.66	79	63168	53.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	107.58%
47) 2-Hexanone-d5	8.13	63	101506	112.29	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.29%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	160050	53.77	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.54%
64) 1,2-Dichlorobenzene-d4	11.67	152	137579	53.96	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.92%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	125491	50.437 ug/L	98
3) Chloromethane	1.26	50	104391	40.185 ug/L	99
5) Vinyl chloride	1.33	62	76770	36.777 ug/L	99
6) Bromomethane	1.54	94	38374	55.174 ug/L	97
8) Chloroethane	1.60	64	38071	41.535 ug/L	98
9) Trichlorofluoromethane	1.77	101	130435	54.270 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	54260	48.154 ug/L	95
12) 1,1-Dichloroethene	2.14	96	50684	44.770 ug/L	96
13) Acetone	2.19	43	67824	71.475 ug/L	100
14) Carbon disulfide	2.32	76	256221	46.081 ug/L	100
15) Methyl Acetate	2.46	43	89475	48.930 ug/L	93
16) Methylene chloride	2.54	84	108203	49.638 ug/L	95
17) trans-1,2-Dichloroethene	2.79	96	101063	51.467 ug/L	94
18) Methyl tert-butyl Ether	2.80	73	324714	53.761 ug/L	98
19) 1,1-Dichloroethane	3.23	63	178598	49.844 ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	118769	54.232 ug/L	93
22) 2-Butanone	4.01	43	126227	92.317 ug/L	94

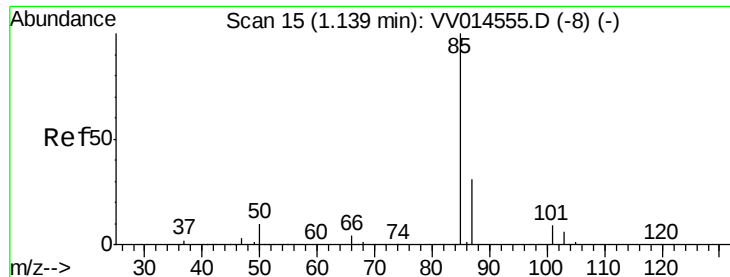
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV021120\
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 Quant Title : VOC Analysis
 QLast Update : Wed Feb 12 03:16:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	58080	56.571	uq/L	85
25) Chloroform	4.42	83	193750	53.683	uq/L	99
27) 1,2-Dichloroethane	5.18	62	146635	57.145	uq/L	100
29) Cyclohexane	4.73	56	160815	47.463	uq/L	95
30) 1,1,1-Trichloroethane	4.66	97	172396	58.008	uq/L	98
31) Carbon tetrachloride	4.88	117	155327	59.901	uq/L	96
33) Benzene	5.14	78	415949	50.830	uq/L	100
34) Trichloroethene	5.96	95	111095	53.751	uq/L	94
35) Methylcyclohexane	6.18	83	173539	50.532	uq/L	97
37) 1,2-Dichloropropane	6.22	63	105404	51.542	uq/L #	94
38) Bromodichloromethane	6.55	83	147462	53.856	uq/L	100
39) cis-1,3-Dichloropropene	7.07	75	177051	52.652	uq/L	100
40) 4-Methyl-2-pentanone	7.26	43	256873	103.899	uq/L #	94
42) Toluene	7.43	91	454584	53.066	uq/L	100
44) trans-1,3-Dichloropropene	7.69	75	162973	54.573	uq/L	97
45) 1,1,2-Trichloroethane	7.88	97	105251	54.473	uq/L	99
46) Tetrachloroethene	8.02	164	86427	57.178	uq/L	99
48) 2-Hexanone	8.18	43	191679	99.113	uq/L	97
49) Dibromochloromethane	8.29	129	123536	58.112	uq/L	99
50) 1,2-Dibromoethane	8.39	107	114786	55.797	uq/L	98
51) Chlorobenzene	8.92	112	298111	54.400	uq/L	99
52) Ethylbenzene	9.05	91	512698	53.325	uq/L	99
53) m,p-Xylene	9.18	106	194200	54.093	uq/L	97
54) o-xylene	9.58	106	189696	53.325	uq/L	98
55) Styrene	9.60	104	331672	55.555	uq/L	100
56) Isopropylbenzene	9.97	105	501299	55.113	uq/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	167110	54.139	uq/L	98
59) 1,2,3-Trichloropropane	10.31	75	130011	53.797	uq/L	100
61) Bromoform	9.77	173	85053	58.805	uq/L	98
62) 1,3-Dichlorobenzene	11.22	146	236343	55.512	uq/L	98
63) 1,4-Dichlorobenzene	11.31	146	240871	54.957	uq/L	99
65) 1,2-Dichlorobenzene	11.68	146	228941	54.403	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	36379	54.381	uq/L	91
67) 1,3,5-Trichlorobenzene	12.69	180	163700	57.074	uq/L	99
68) 1,2,4-trichlorobenzene	13.30	180	154777	59.403	uq/L	98
69) Naphthalene	13.54	128	489222	59.290	uq/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	151024	60.153	uq/L	97

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



#2

Dichlorodifluoromethane

Concen: 50.437 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV014561.D

Acq: 11 Feb 2020 18:05

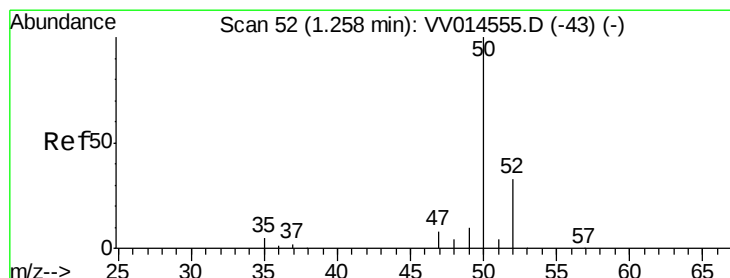
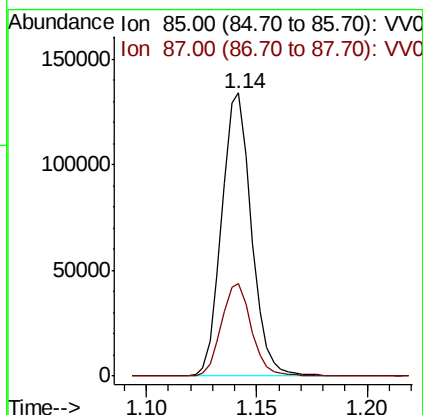
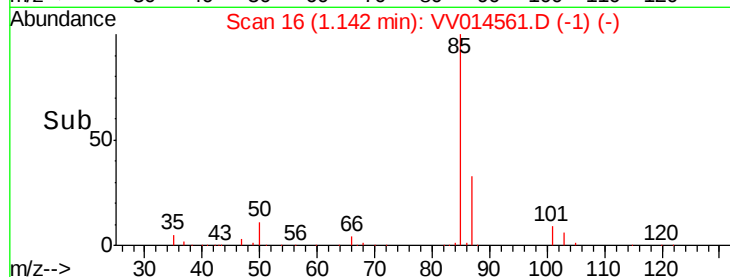
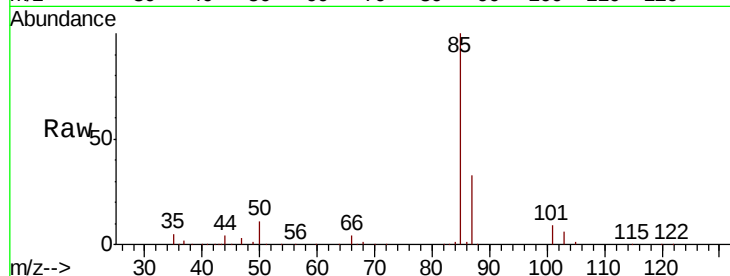
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 125491

Ion Ratio Lower Upper

85 100

87 33.1 25.6 38.4



#3

Chloromethane

Concen: 40.185 ug/L

RT: 1.26 min Scan# 52

Delta R.T. -0.00 min

Lab File: VV014561.D

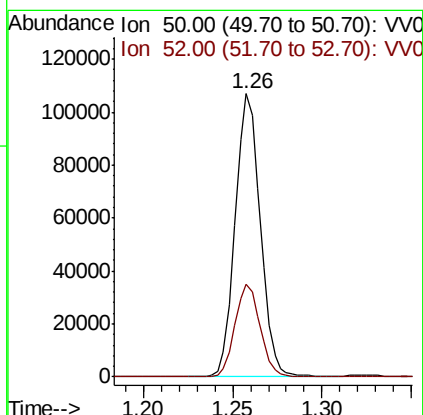
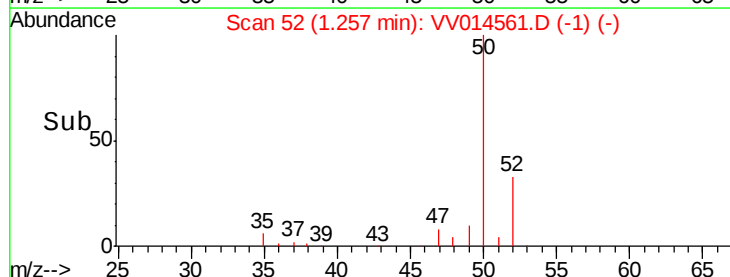
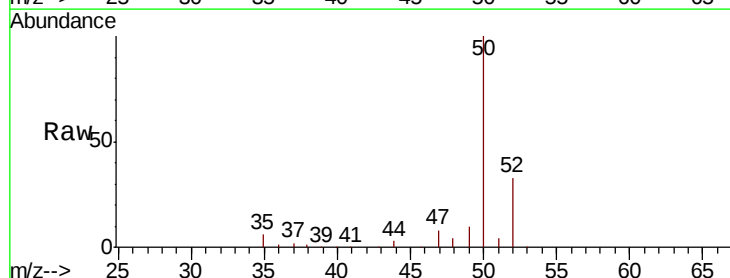
Acq: 11 Feb 2020 18:05

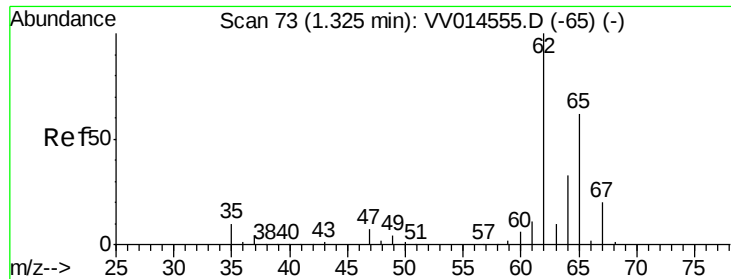
Tgt Ion: 50 Resp: 104391

Ion Ratio Lower Upper

50 100

52 32.9 22.8 42.4





#5

Vinyl chloride

Concen: 36.777 ug/L

RT: 1.33 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV014561.D

Acq: 11 Feb 2020 18:05

Instrument :

MSVOA_V

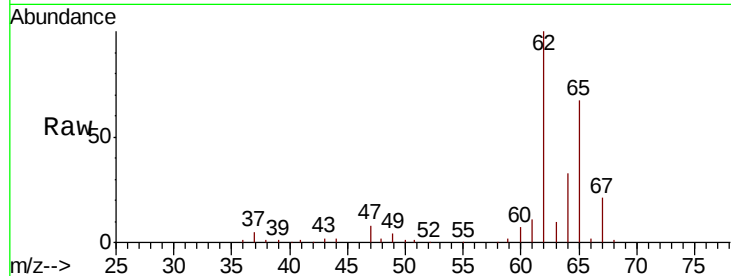
ClientSampleId :

Tot Ion: 62 Resp: 76770

Ion Ratio Lower Upper

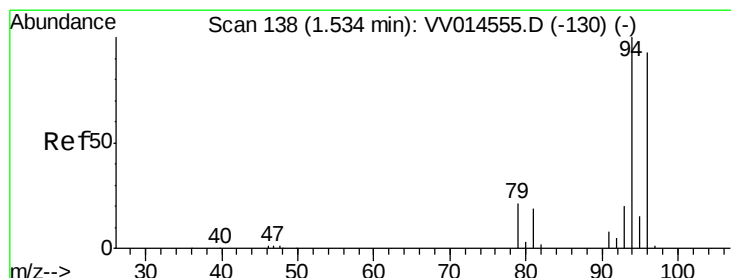
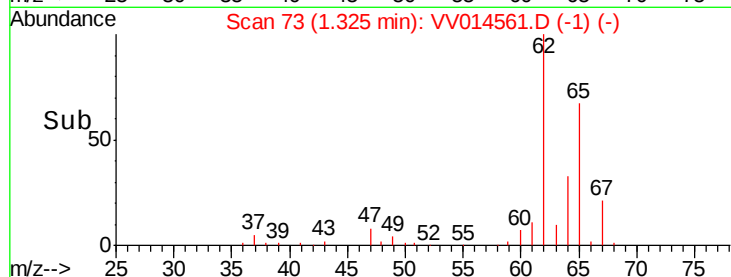
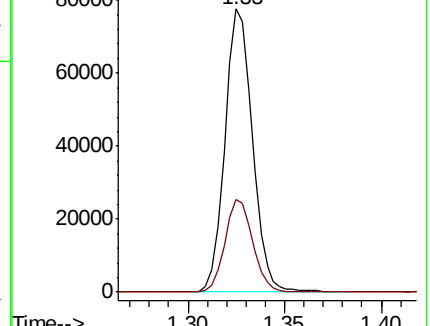
62 100

64 32.8 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 55.174 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV014561.D

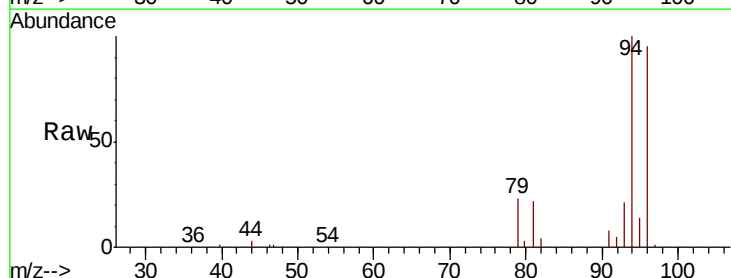
Acq: 11 Feb 2020 18:05

Tgt Ion: 94 Resp: 38374

Ion Ratio Lower Upper

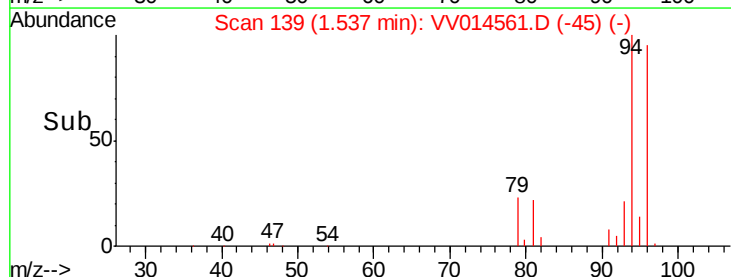
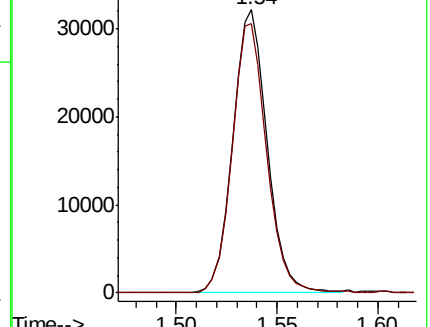
94 100

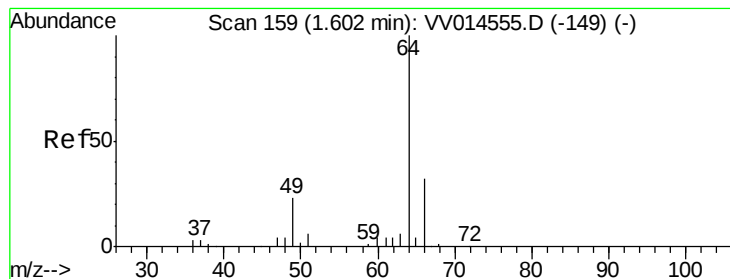
96 95.3 65.0 120.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 41.535 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV014561.D

Acq: 11 Feb 2020 18:05

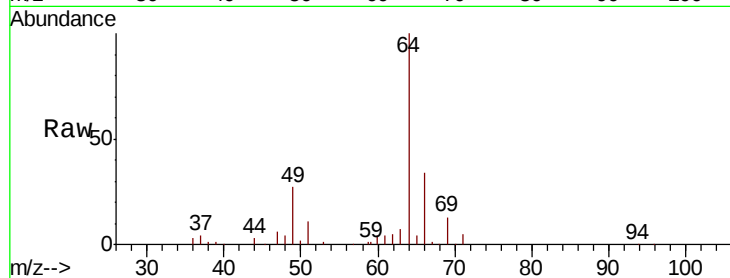
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 38071

Ion Ratio Lower Upper

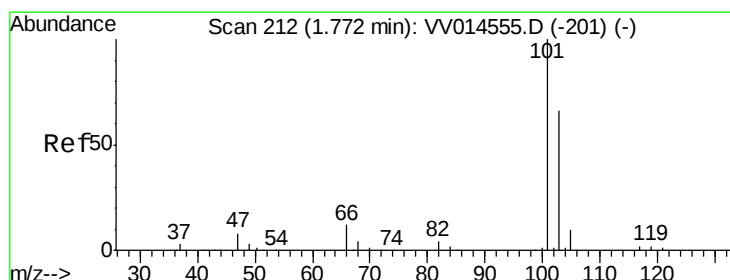
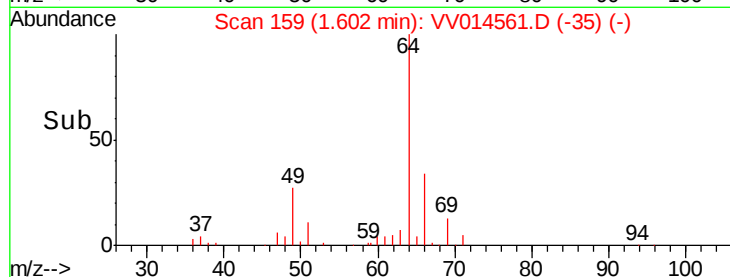
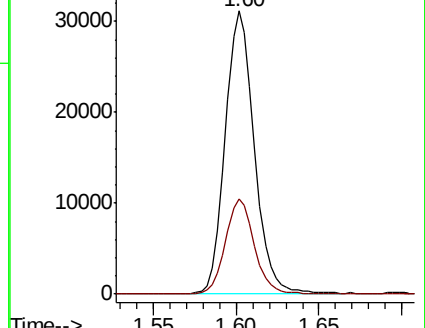
64 100

66 33.8 23.0 42.8



Abundance Ion 64.00 (63.70 to 64.70): VV014555.D (-149) (-)

Ion 66.00 (65.70 to 66.70): VV014555.D (-149) (-)



#9

Trichlorofluoromethane

Concen: 54.270 ug/L

RT: 1.77 min Scan# 212

Delta R.T. -0.00 min

Lab File: VV014561.D

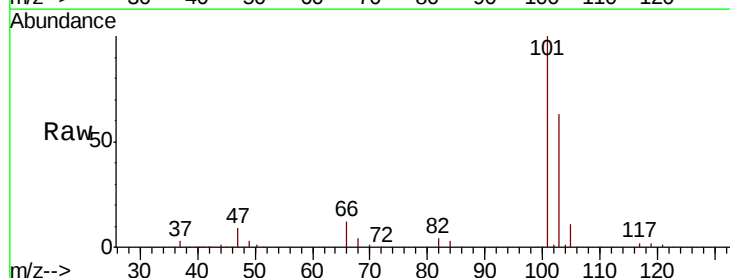
Acq: 11 Feb 2020 18:05

Tgt Ion: 101 Resp: 130435

Ion Ratio Lower Upper

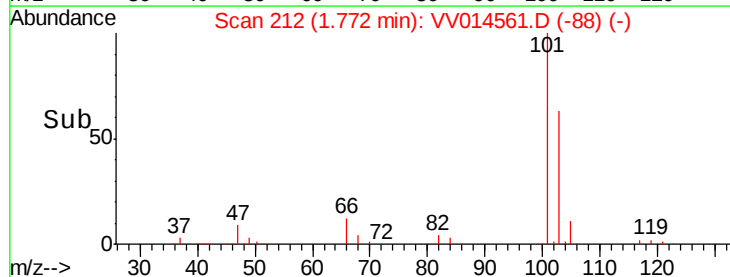
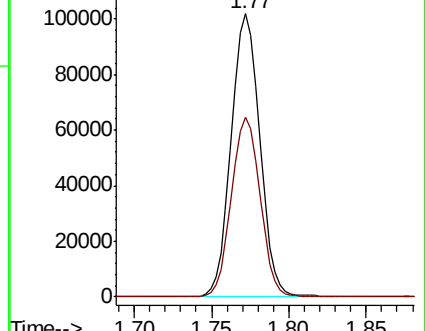
101 100

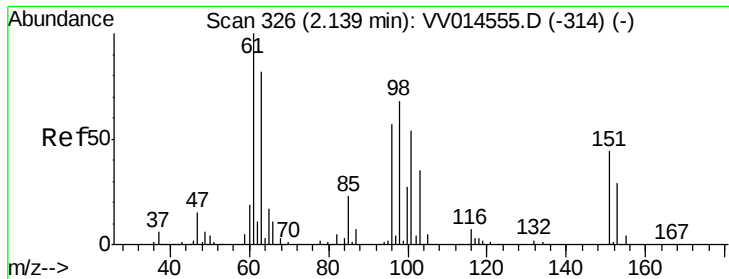
103 63.4 50.6 75.8



Abundance Ion 101.00 (100.70 to 101.70): VV014555.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV014555.D (-201) (-)





#10

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

Concen: 48.154 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV014561.D

Acq: 11 Feb 2020 18:05

Instrument :

MSVOA_V

ClientSampleId :

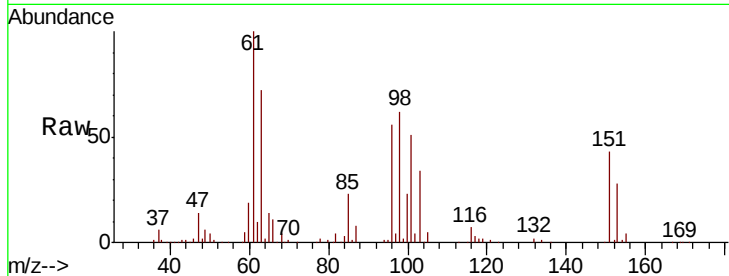
Tot Ion:101 Resp: 54260

Ion Ratio Lower Upper

101 100

85 45.5 34.6 51.8

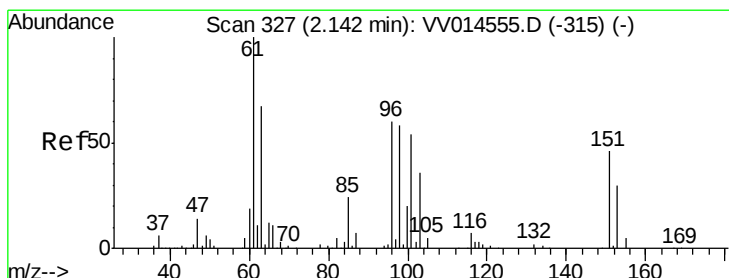
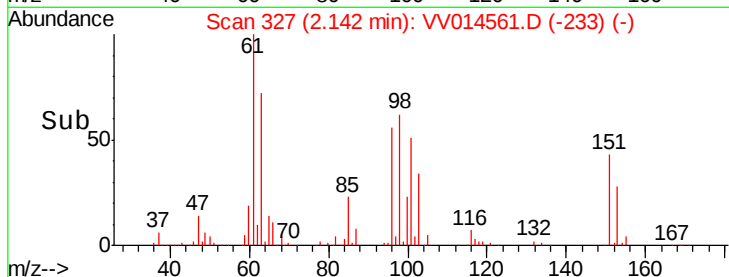
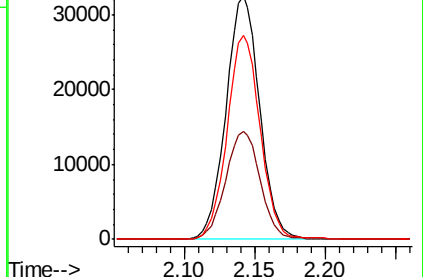
151 82.1 61.2 91.8



Abundance Ion 101.00 (100.70 to 101.70): VV014555.D (-314) (-)

Ion 85.00 (84.70 to 85.70): VV014555.D (-314) (-)

Ion 151.00 (150.70 to 151.70): VV014555.D (-314) (-)



#12

1,1-Dichloroethene

Concen: 44.770 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV014561.D

Acq: 11 Feb 2020 18:05

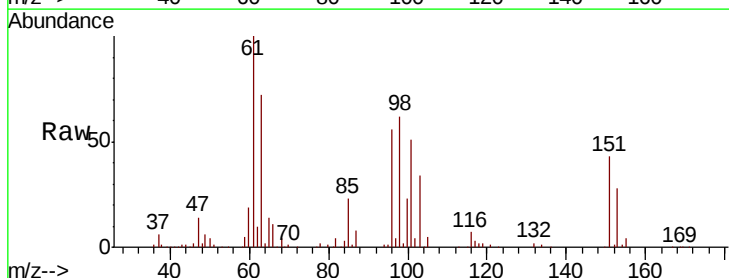
Tgt Ion: 96 Resp: 50684

Ion Ratio Lower Upper

96 100

61 178.1 120.5 223.7

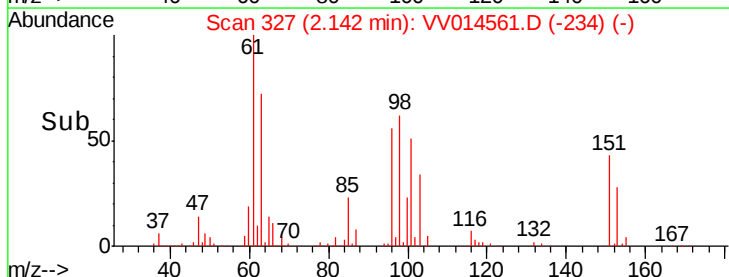
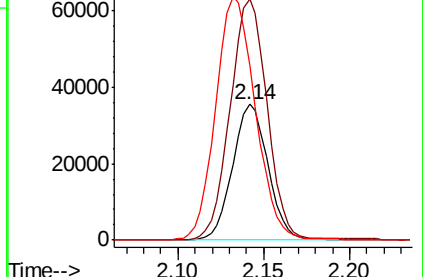
63 129.1 87.1 161.7

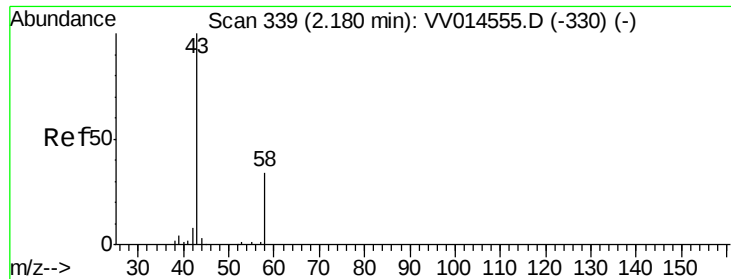


Abundance Ion 96.00 (95.70 to 96.70): VV014555.D (-315) (-)

Ion 61.00 (60.70 to 61.70): VV014555.D (-315) (-)

Ion 63.00 (62.70 to 63.70): VV014555.D (-315) (-)





#13

Acetone

Concen: 71.475 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.01 min

Lab File: VV014561.D

Acq: 11 Feb 2020 18:05

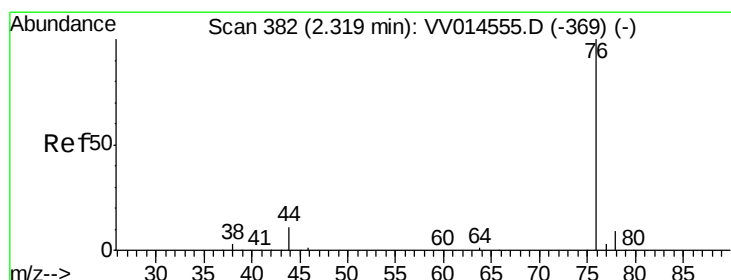
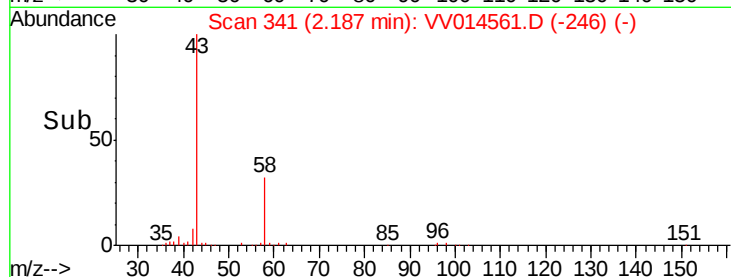
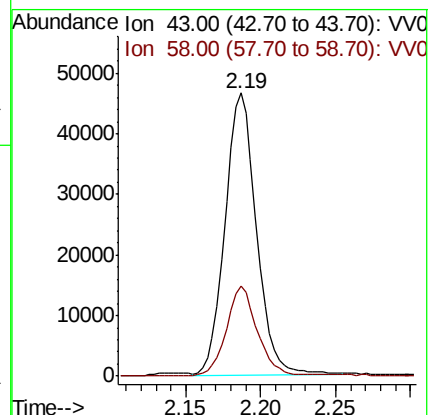
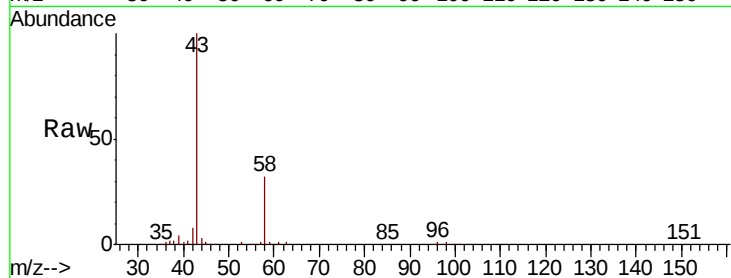
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 67824

Ion Ratio Lower Upper

43 100

58 30.8 0.0 61.2



#14

Carbon disulfide

Concen: 46.081 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV014561.D

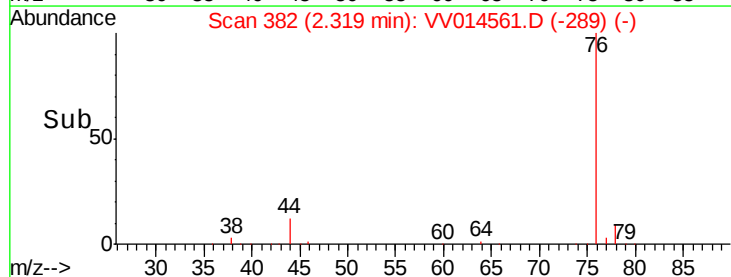
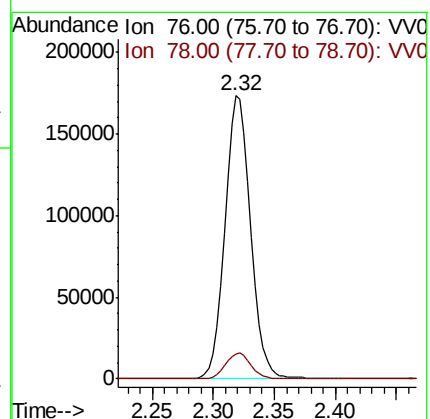
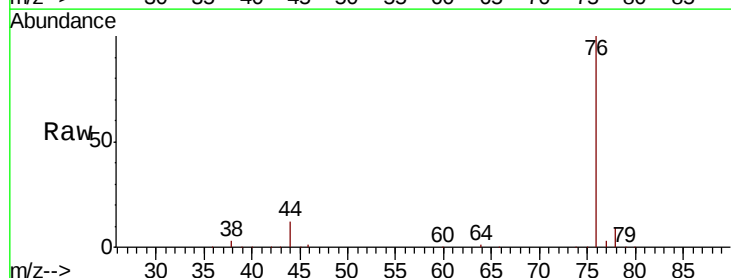
Acq: 11 Feb 2020 18:05

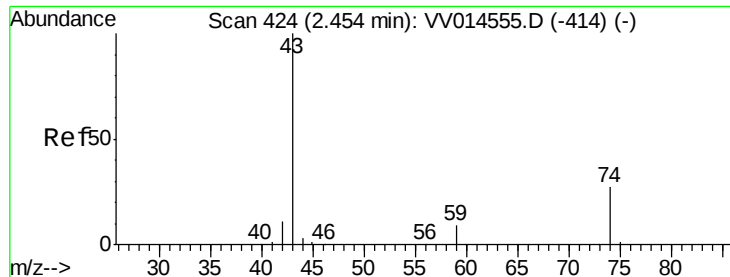
Tgt Ion: 76 Resp: 256221

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8





#15

Methvl Acetate

Concen: 48.930 ug/L

RT: 2.46 min Scan# 425

Delta R.T. 0.00 min

Lab File: VV014561.D

Acq: 11 Feb 2020 18:05

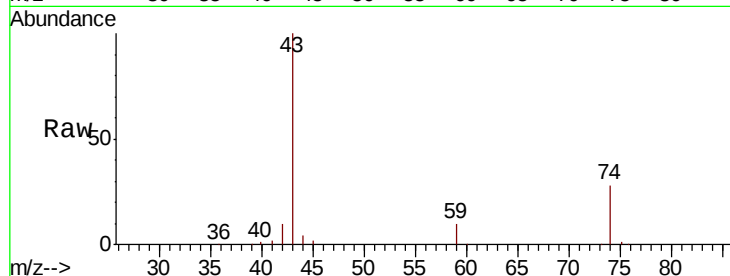
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 89475

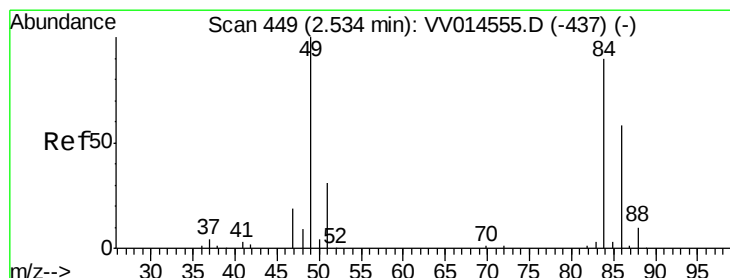
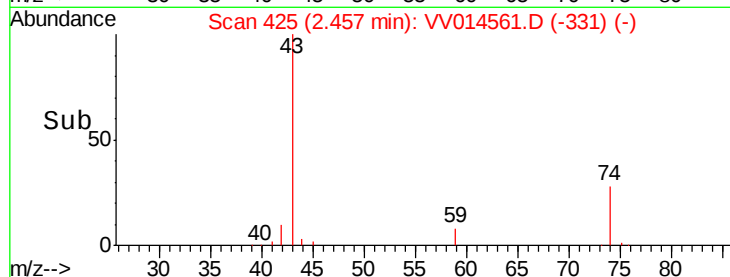
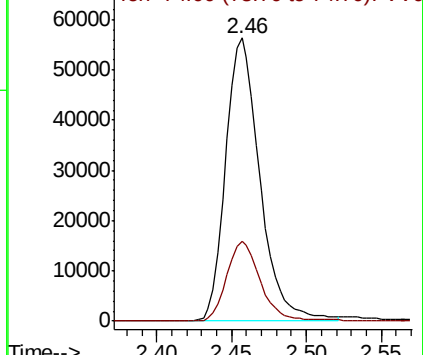
Ion Ratio Lower Upper

43 100

74 28.1 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 49.638 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV014561.D

Acq: 11 Feb 2020 18:05

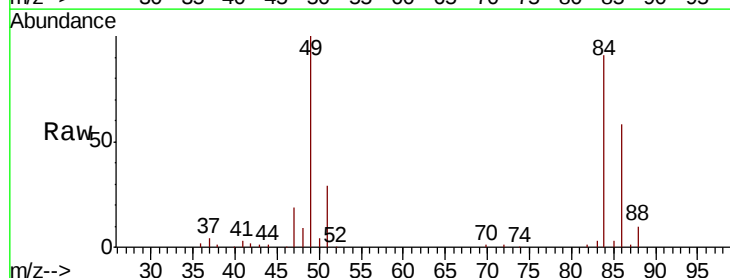
Tgt Ion: 84 Resp: 108203

Ion Ratio Lower Upper

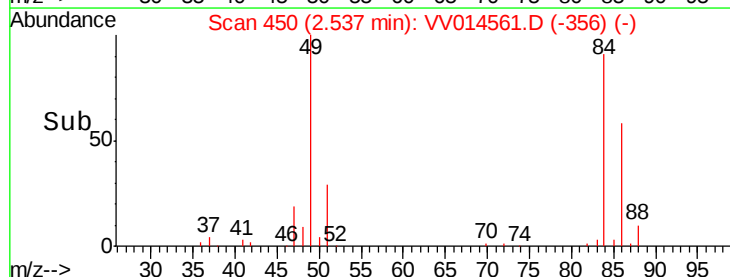
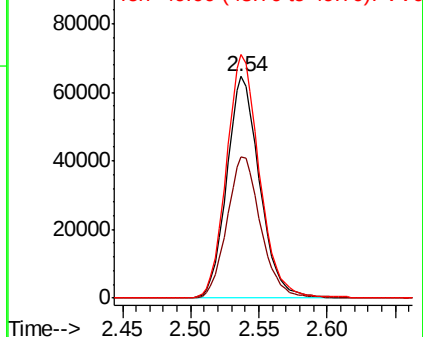
84 100

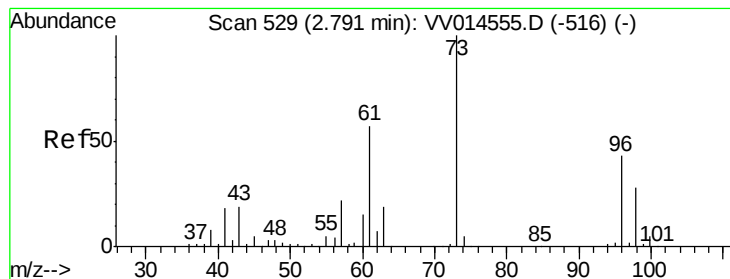
86 64.0 45.6 84.8

49 110.0 82.7 153.7



Abundance Ion 84.00 (83.70 to 84.70): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 51.467 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV014561.D

Acq: 11 Feb 2020 18:05

Instrument :

MSVOA_V

ClientSampled :

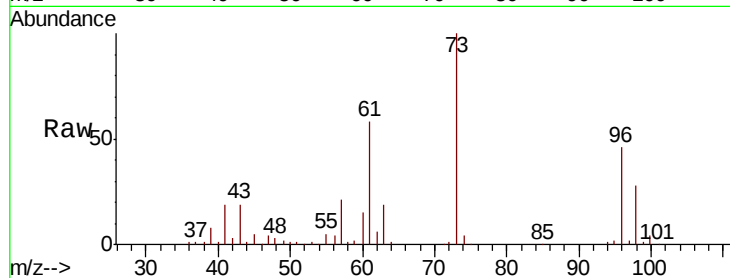
Tot Ion: 96 Resp: 101063

Ion Ratio Lower Upper

96 100

61 128.0 96.7 179.7

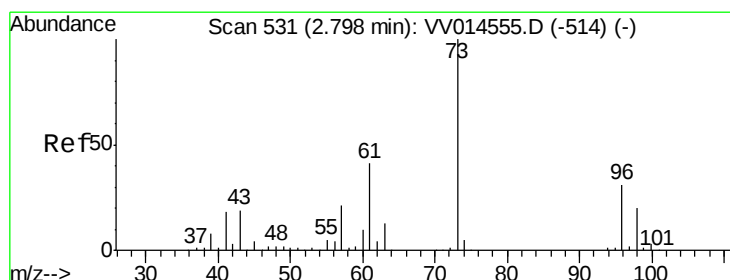
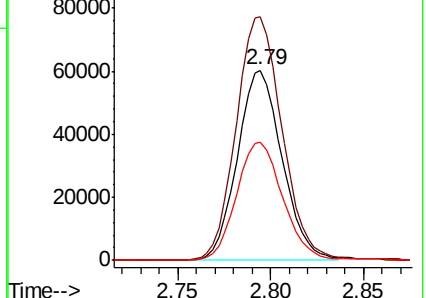
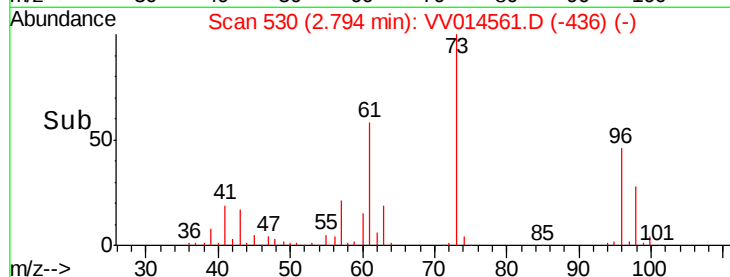
98 62.4 44.1 81.9



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 53.761 ug/L

RT: 2.80 min Scan# 533

Delta R.T. 0.01 min

Lab File: VV014561.D

Acq: 11 Feb 2020 18:05

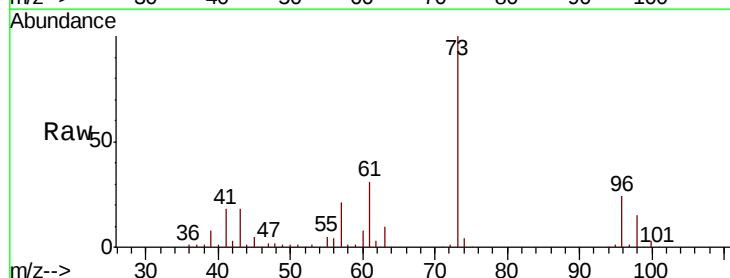
Tgt Ion: 73 Resp: 324714

Ion Ratio Lower Upper

73 100

43 18.5 14.1 21.1

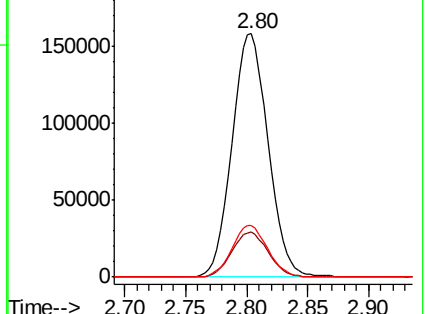
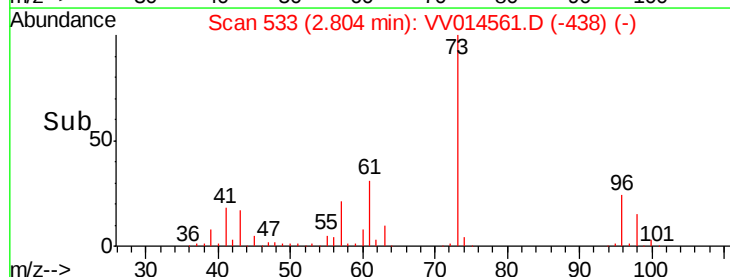
57 21.2 17.9 26.9

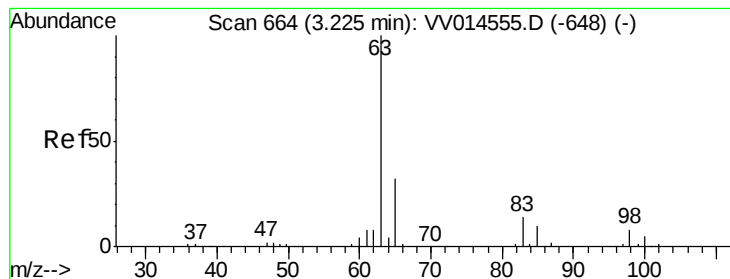


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 49.844 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV014561.D

Acq: 11 Feb 2020 18:05

Instrument :

MSVOA_V

ClientSampled :

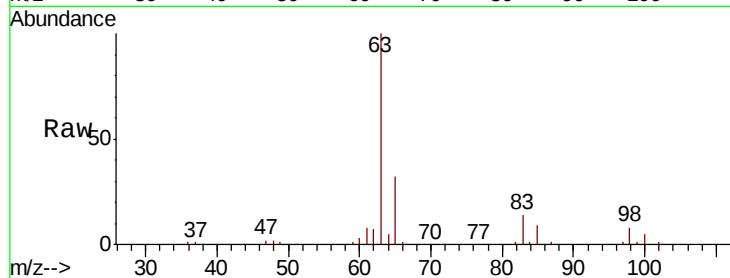
Tot Ion: 63 Resp: 178598

Ion Ratio Lower Upper

63 100

65 31.7 22.1 41.1

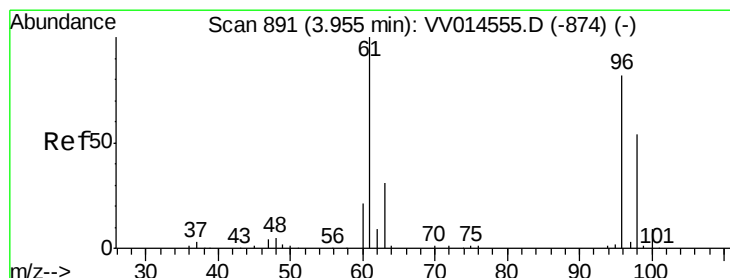
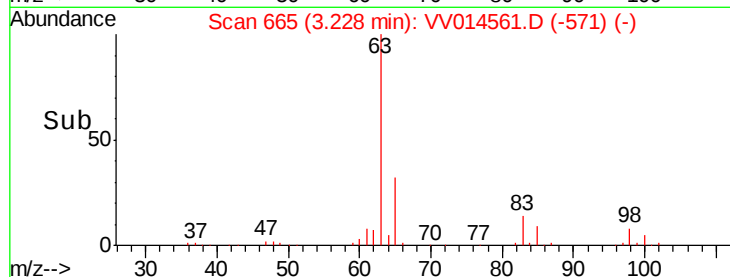
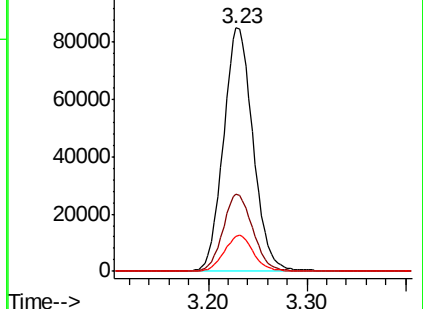
83 14.4 9.4 17.6



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 54.232 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.01 min

Lab File: VV014561.D

Acq: 11 Feb 2020 18:05

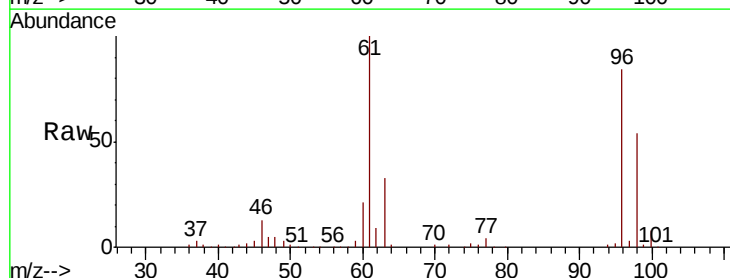
Tgt Ion: 96 Resp: 118769

Ion Ratio Lower Upper

96 100

61 119.1 88.9 165.1

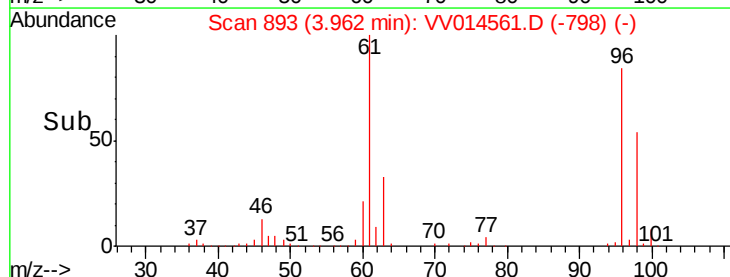
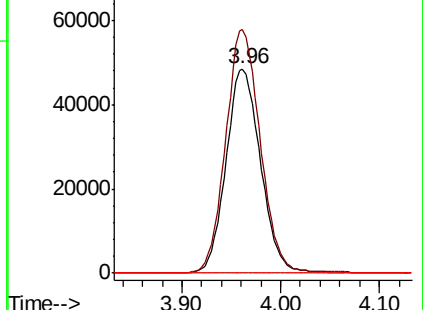
68 0.0 0.0 0.0

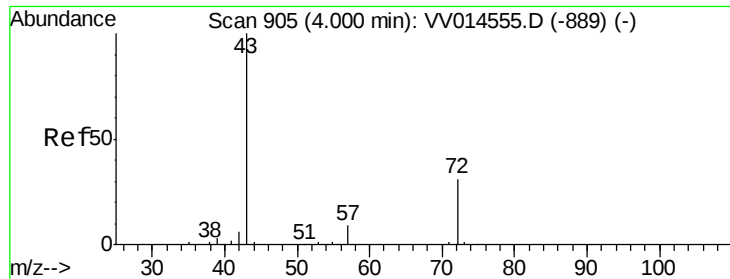


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 92.317 ug/L

RT: 4.01 min Scan# 907

Delta R.T. 0.01 min

Lab File: VV014561.D

Acq: 11 Feb 2020 18:05

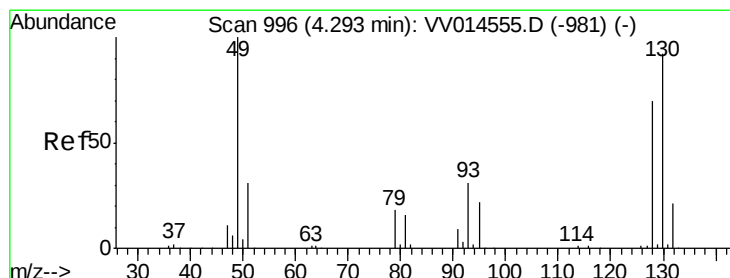
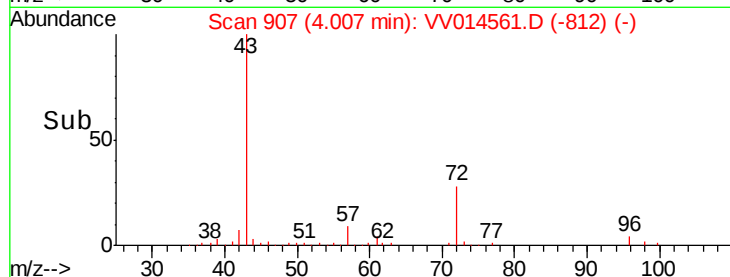
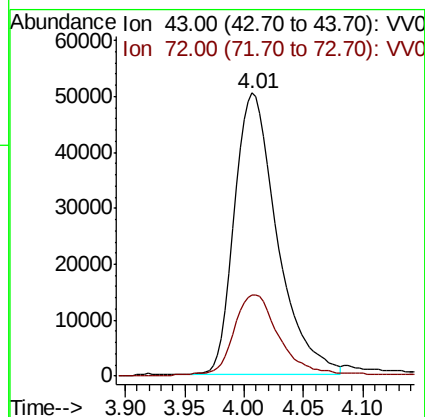
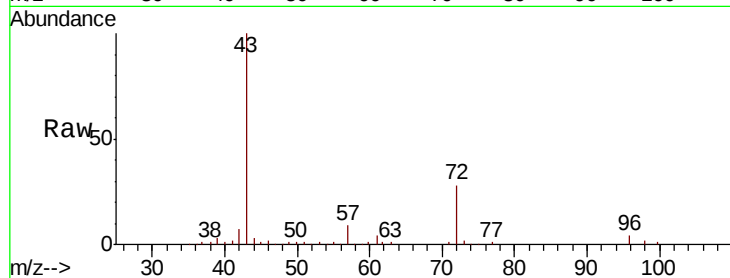
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 126227

Ion Ratio Lower Upper

43 100

72 30.9 13.8 41.3



#23

Bromochloromethane

Concen: 56.571 ug/L

RT: 4.30 min Scan# 997

Delta R.T. 0.00 min

Lab File: VV014561.D

Acq: 11 Feb 2020 18:05

Tgt Ion: 128 Resp: 58080

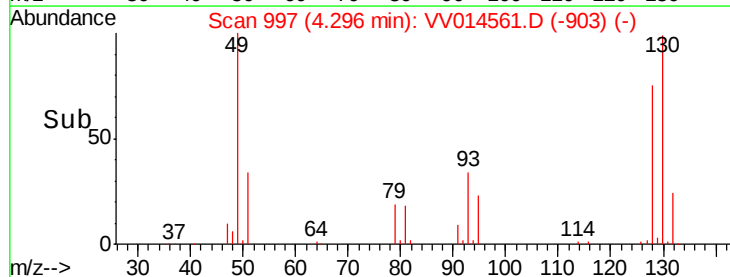
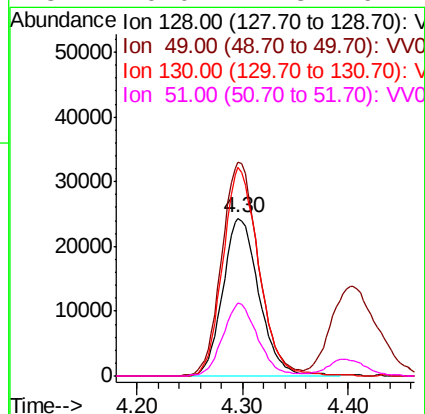
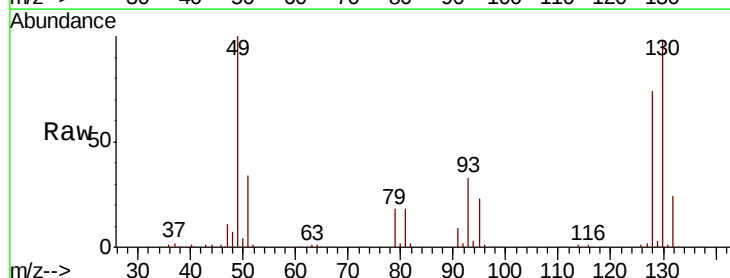
Ion Ratio Lower Upper

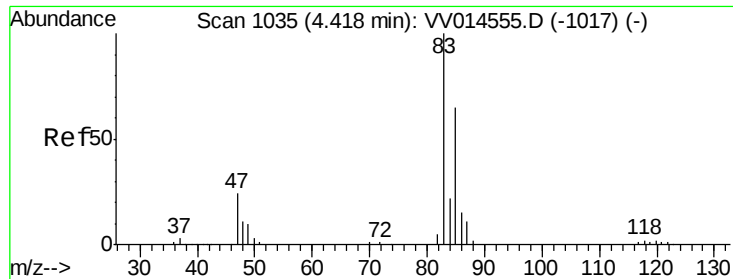
128 100

49 135.4 118.8 220.6

130 132.6 90.7 168.5

51 46.0 42.8 64.2

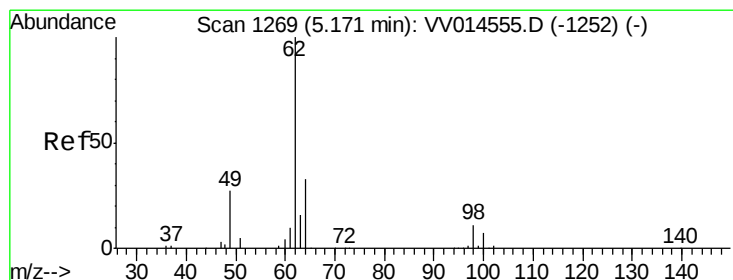
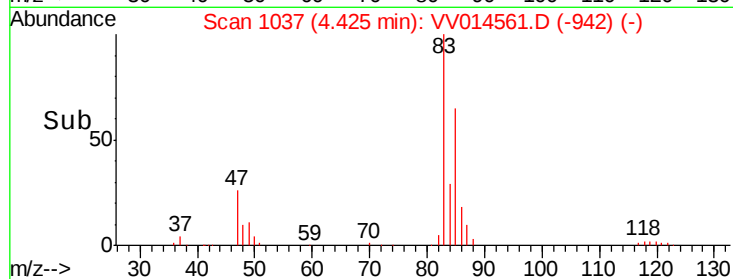
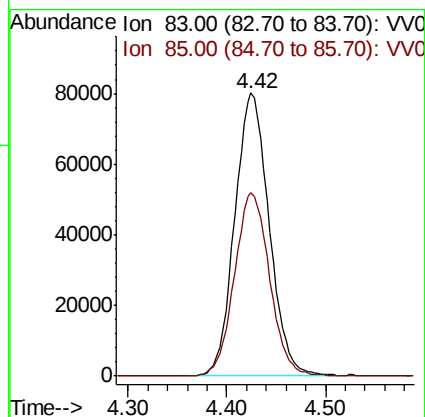
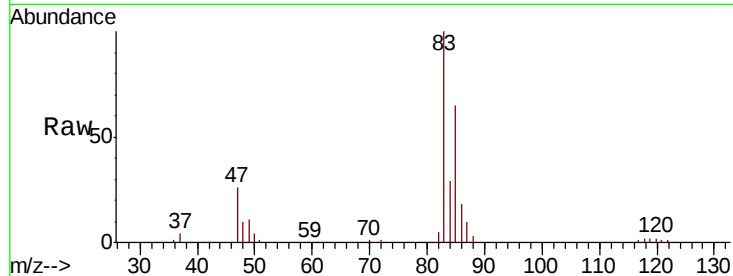




#25
Chloroform
Concen: 53.683 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.01 min
Lab File: VV014561.D
Acq: 11 Feb 2020 18:05

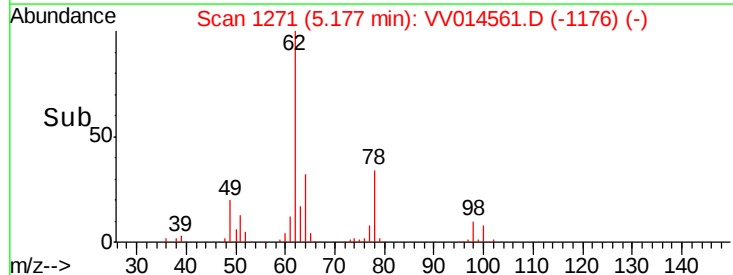
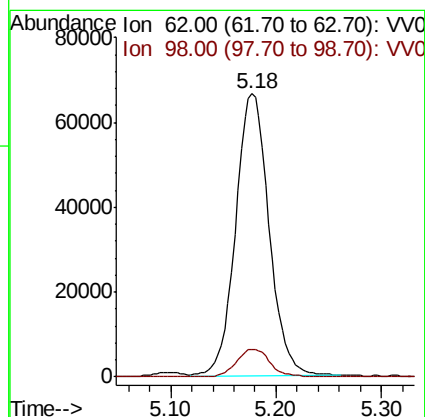
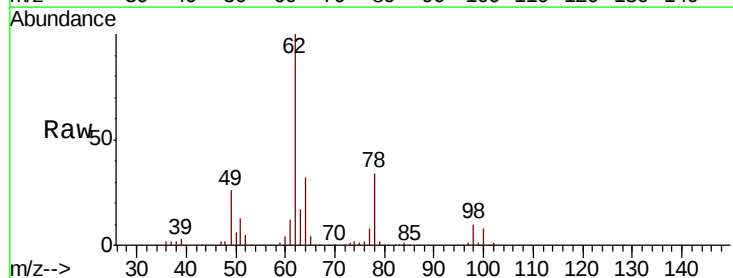
Instrument :
MSVOA_V
ClientSampleId :

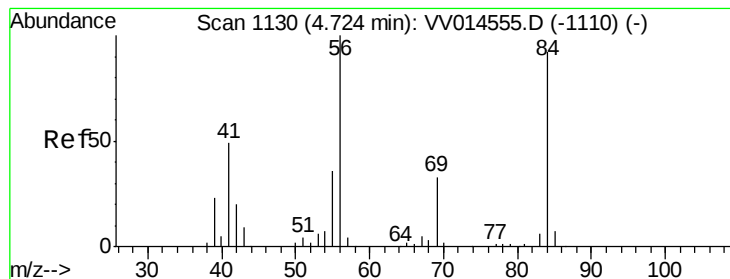
Tot Ion: 83 Resp: 193750
Ion Ratio Lower Upper
83 100
85 65.0 45.1 83.7



#27
1,2-Dichloroethane
Concen: 57.145 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.01 min
Lab File: VV014561.D
Acq: 11 Feb 2020 18:05

Tgt Ion: 62 Resp: 146635
Ion Ratio Lower Upper
62 100
98 9.9 8.0 12.0





#29

Cvclohexane

Concen: 47.463 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VV014561.D

Acq: 11 Feb 2020 18:05

Instrument :
MSVOA_V
ClientSampleId :

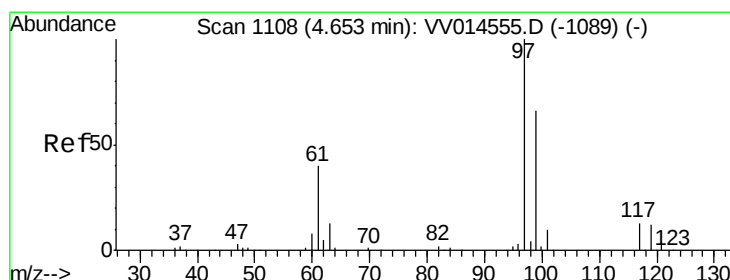
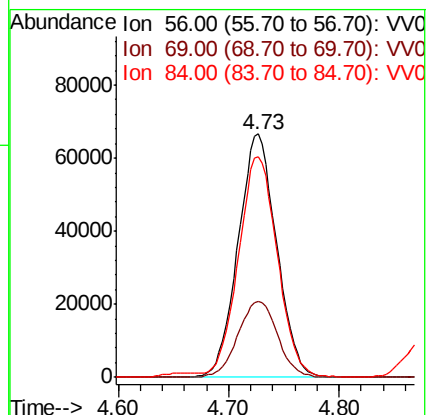
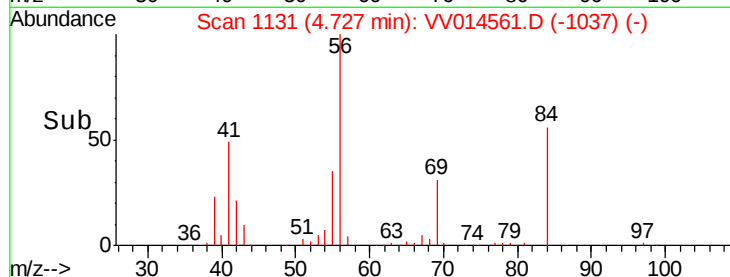
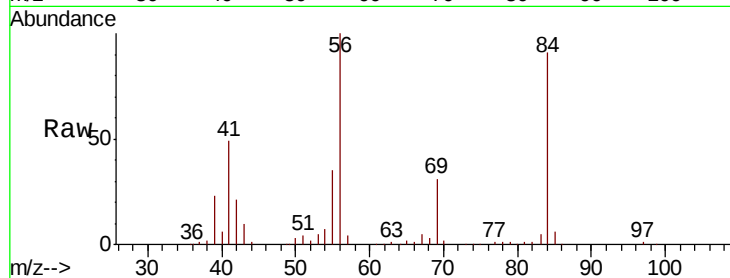
Tot Ion: 56 Resp: 160815

Ion Ratio Lower Upper

56 100

69 32.2 24.9 37.3

84 91.4 68.6 103.0



#30

1,1,1-Trichloroethane

Concen: 58.008 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV014561.D

Acq: 11 Feb 2020 18:05

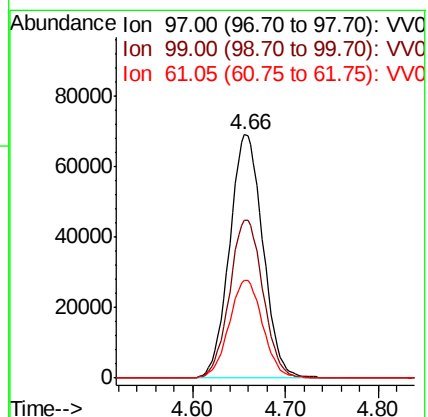
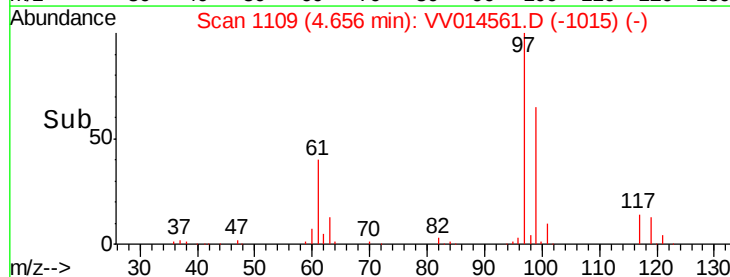
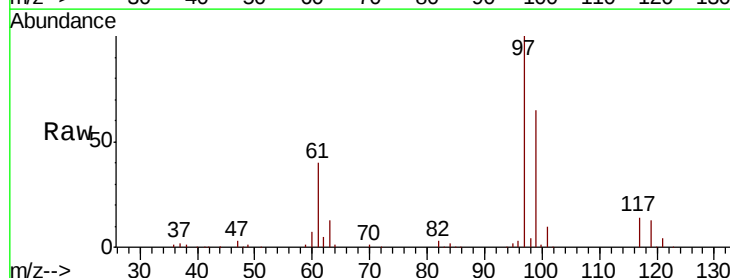
Tgt Ion: 97 Resp: 172396

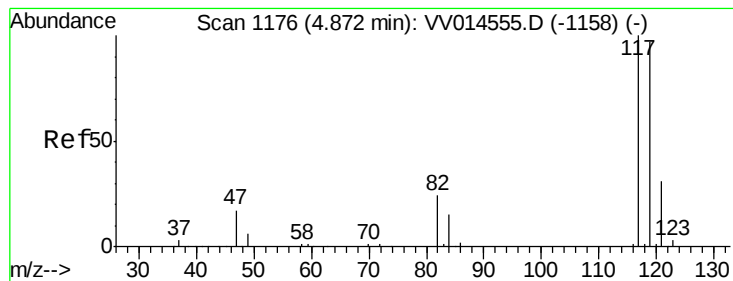
Ion Ratio Lower Upper

97 100

99 65.1 50.6 76.0

61 40.6 33.0 49.4





#31

Carbon tetrachloride

Concen: 59.901 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.01 min

Lab File: VV014561.D

Acq: 11 Feb 2020 18:05

Instrument :

MSVOA_V

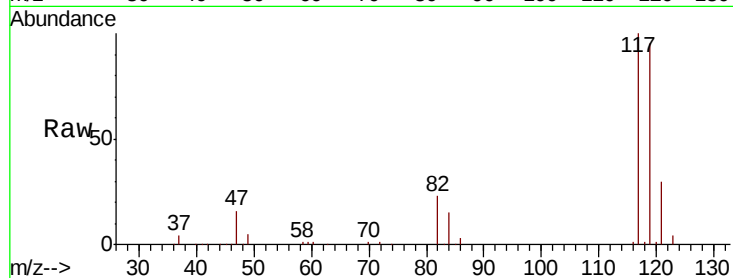
ClientSampleId :

Tot Ion:117 Resp: 155327

Ion Ratio Lower Upper

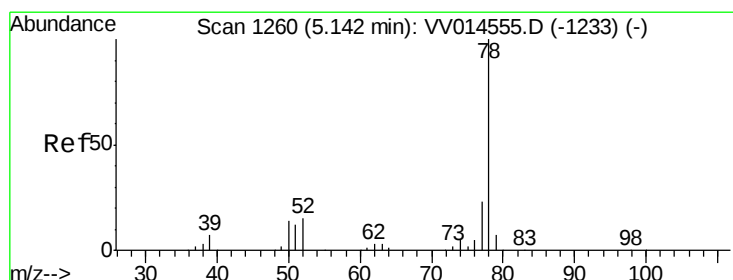
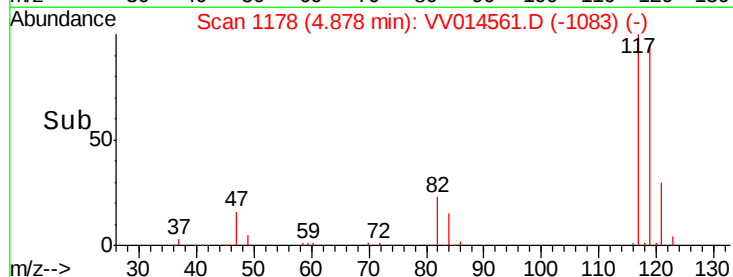
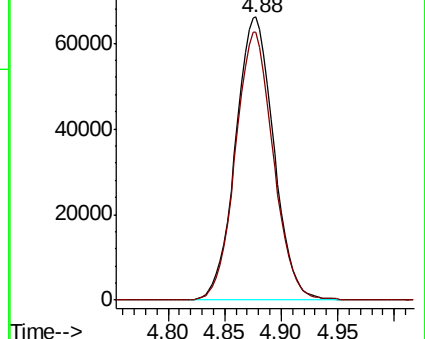
117 100

119 93.8 77.8 116.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 50.830 ug/L

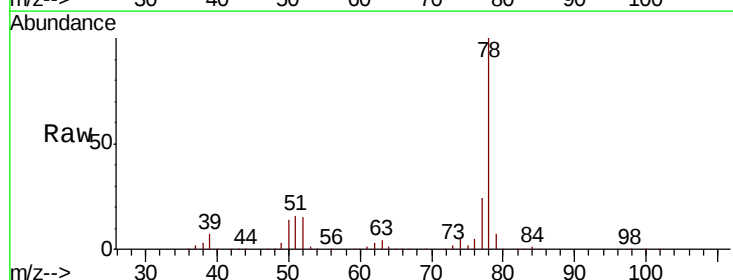
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

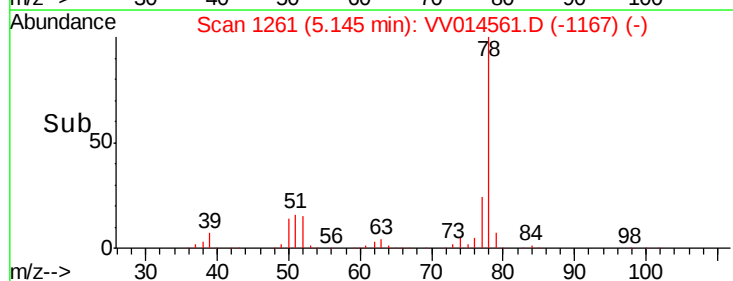
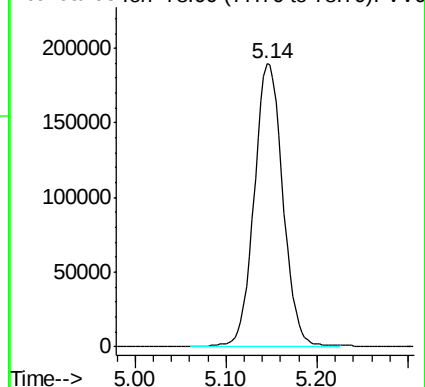
Lab File: VV014561.D

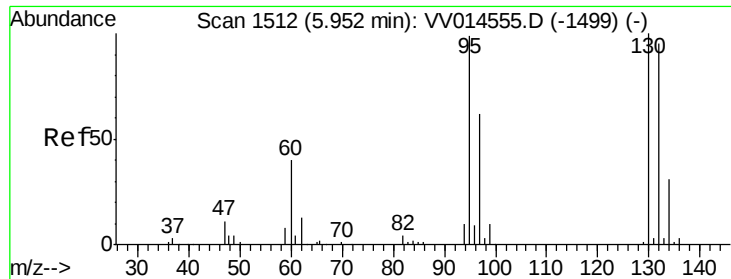
Acq: 11 Feb 2020 18:05

Tgt Ion: 78 Resp: 415949



Abundance Ion 78.00 (77.70 to 78.70): VV0

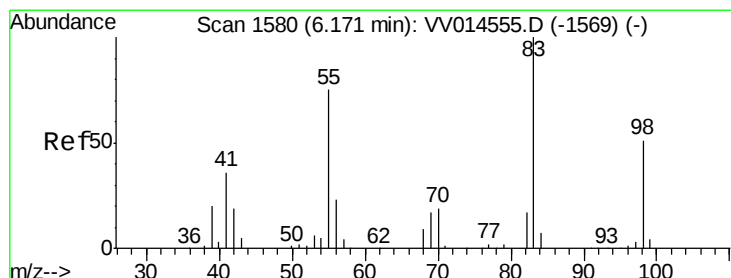
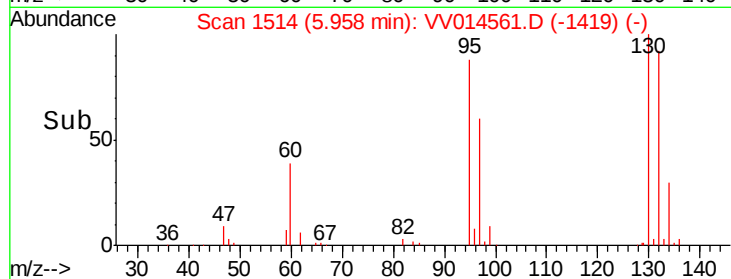
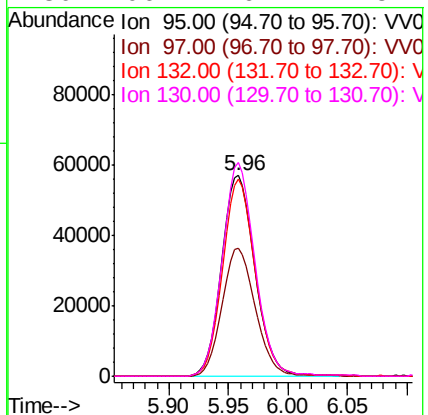
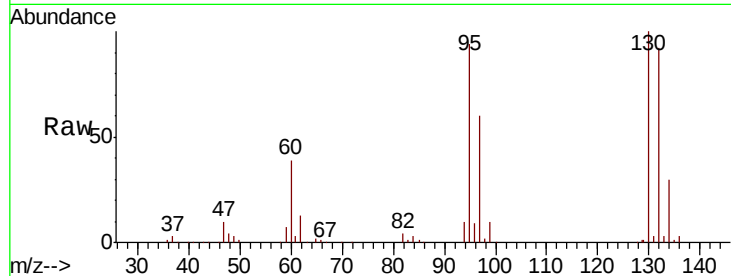




#34
 Trichloroethene
 Concen: 53.751 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.01 min
 Lab File: VV014561.D
 Acq: 11 Feb 2020 18:05

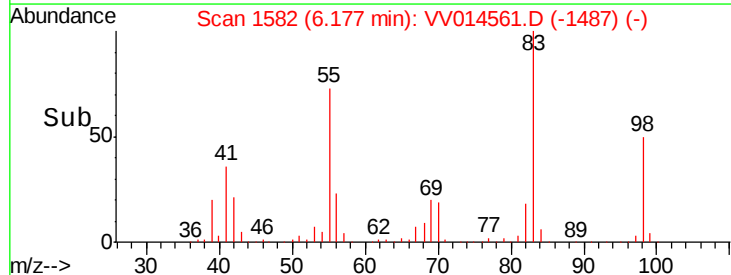
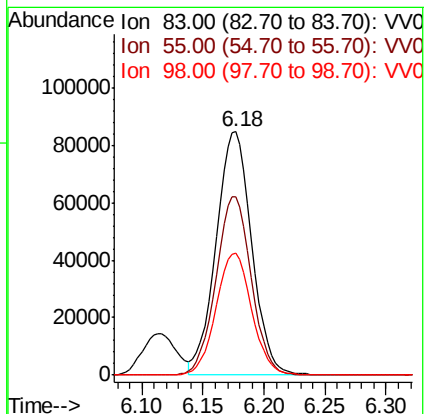
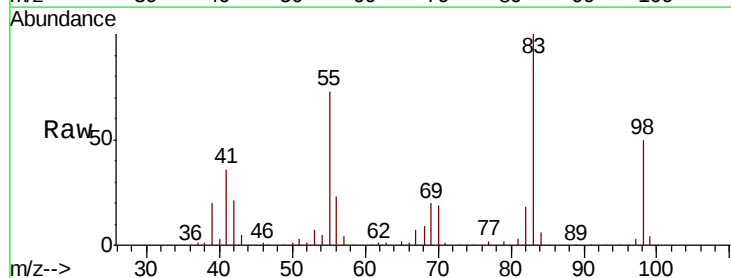
Instrument :
 MSVOA_V
 ClientSampleId :

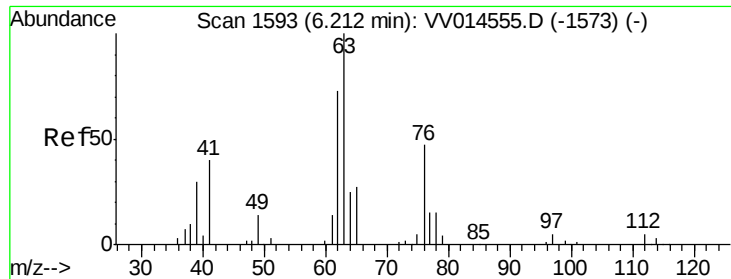
Tot Ion: 95 Resp: 111095
 Ion Ratio Lower Upper
 95 100
 97 63.9 44.7 83.1
 132 97.9 65.4 121.4
 130 106.4 67.7 125.7



#35
 Methylcyclohexane
 Concen: 50.532 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. 0.01 min
 Lab File: VV014561.D
 Acq: 11 Feb 2020 18:05

Tgt Ion: 83 Resp: 173539
 Ion Ratio Lower Upper
 83 100
 55 72.7 60.4 90.6
 98 50.2 39.2 58.8

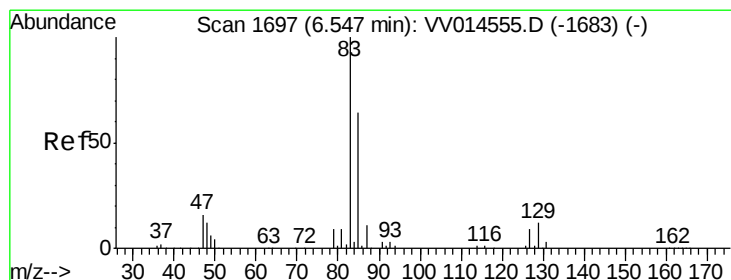
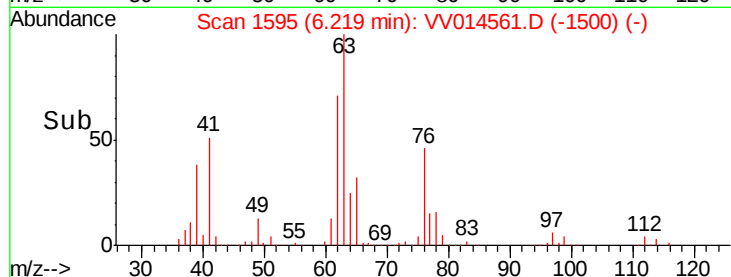
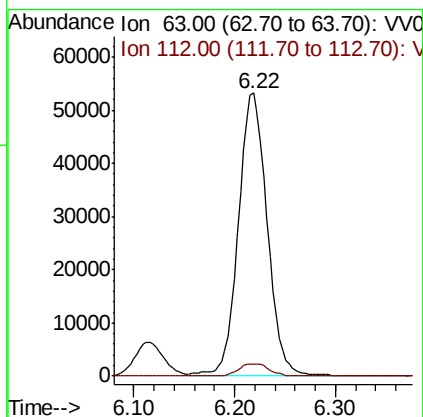
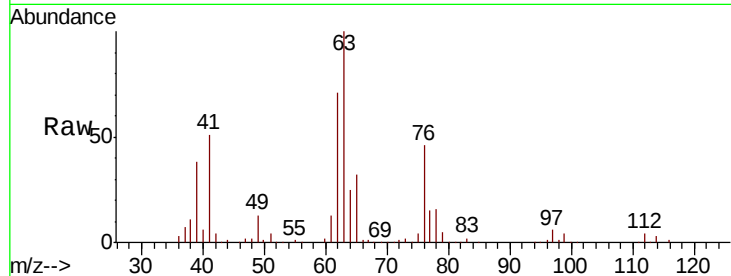




#37
 1,2-Dichloropropane
 Concen: 51.542 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.01 min
 Lab File: VV014561.D
 Acq: 11 Feb 2020 18:05

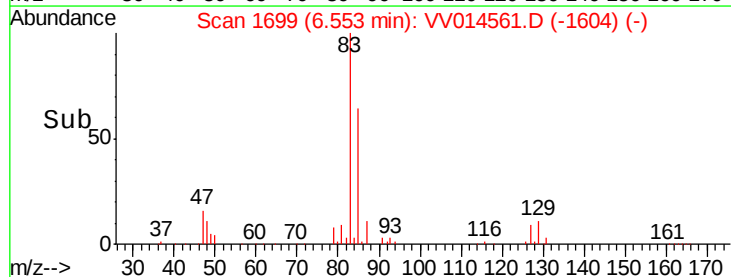
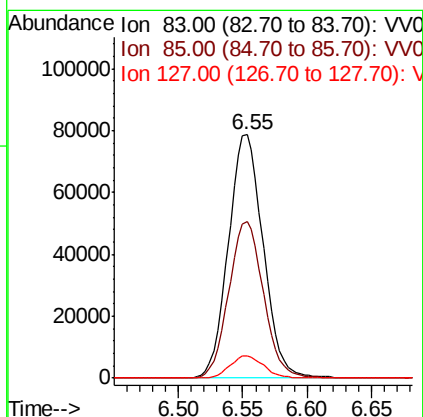
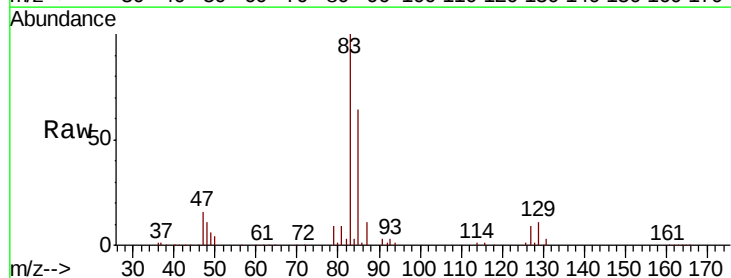
Instrument :
 MSVOA_V
 ClientSampleId :

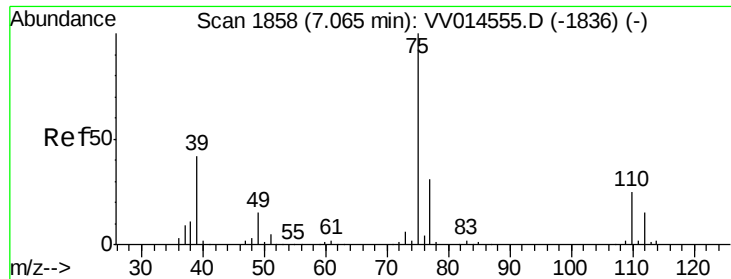
Tot Ion: 63 Resp: 105404
 Ion Ratio Lower Upper
 63 100
 112 2.8 3.8 5.6#



#38
 Bromodichloromethane
 Concen: 53.856 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.01 min
 Lab File: VV014561.D
 Acq: 11 Feb 2020 18:05

Tgt Ion: 83 Resp: 147462
 Ion Ratio Lower Upper
 83 100
 85 64.0 44.9 83.3
 127 9.1 6.3 9.5

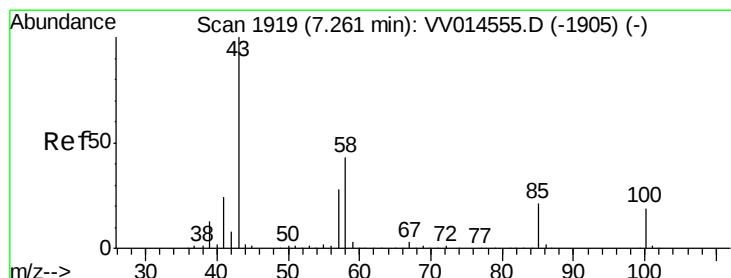
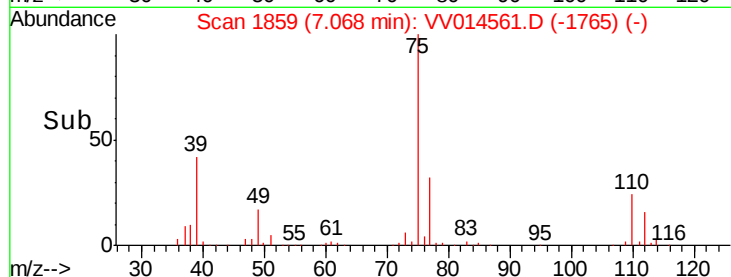
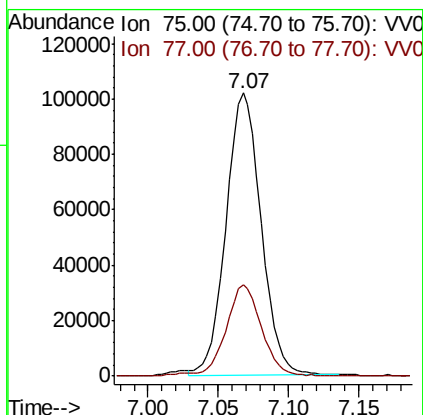
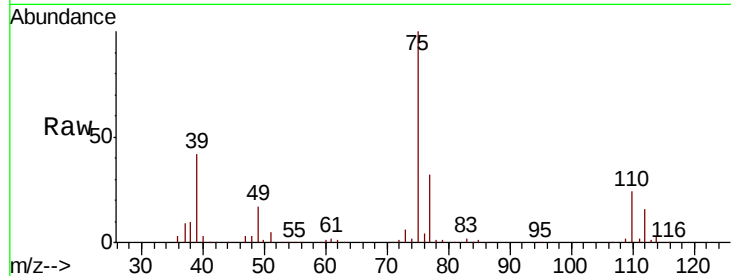




#39
 cis-1,3-Dichloropropene
 Concen: 52.652 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VV014561.D
 Acq: 11 Feb 2020 18:05

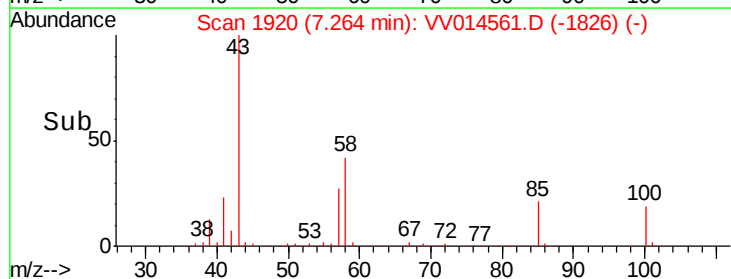
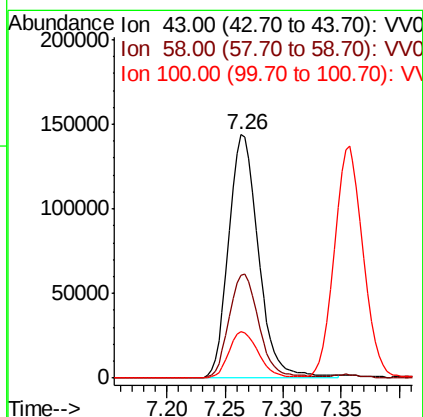
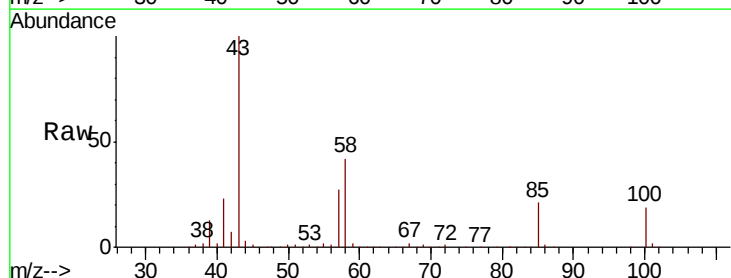
Instrument :
 MSVOA_V
 ClientSampleId :

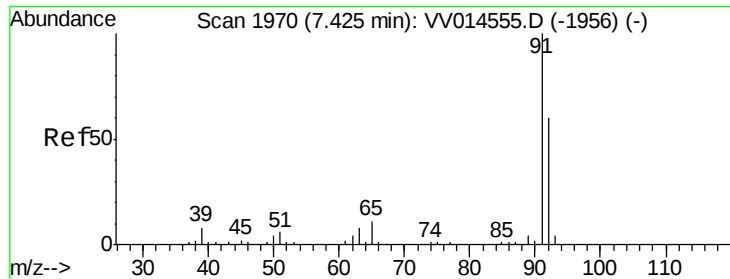
Tot Ion: 75 Resp: 177051
 Ion Ratio Lower Upper
 75 100
 77 32.5 22.7 42.3



#40
 4-Methyl-2-pentanone
 Concen: 103.899 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VV014561.D
 Acq: 11 Feb 2020 18:05

Tgt Ion: 43 Resp: 256873
 Ion Ratio Lower Upper
 43 100
 58 43.0 31.9 47.9
 100 19.0 12.2 18.4#





#42

Toluene

Concen: 53.066 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV014561.D

Acq: 11 Feb 2020 18:05

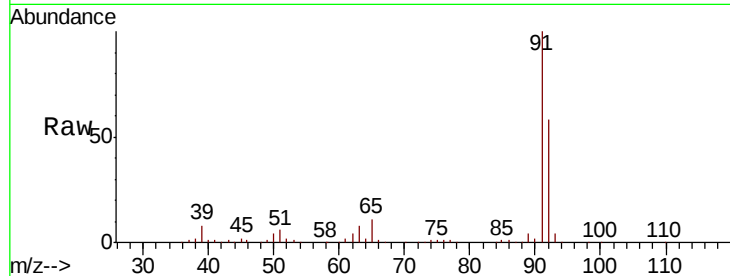
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 454584

Ion Ratio Lower Upper

91 100

92 58.4 41.0 76.2



Abundance Ion 91.00 (90.70 to 91.70): VV014555.D (-1956) (-)

Ion 92.00 (91.70 to 92.70): VV014555.D (-1956) (-)

7.43

300000

250000

200000

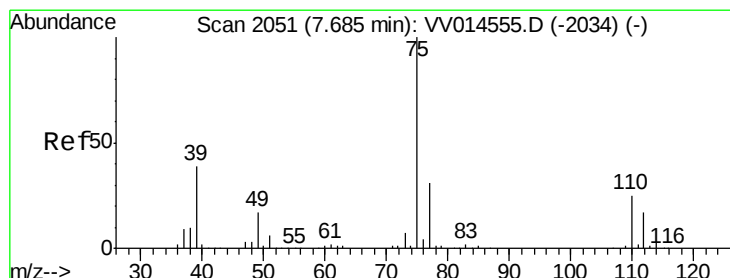
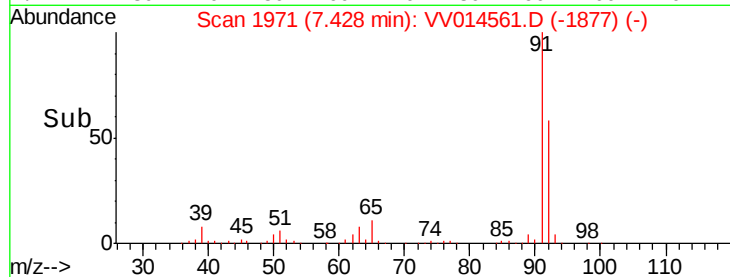
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 54.573 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. 0.00 min

Lab File: VV014561.D

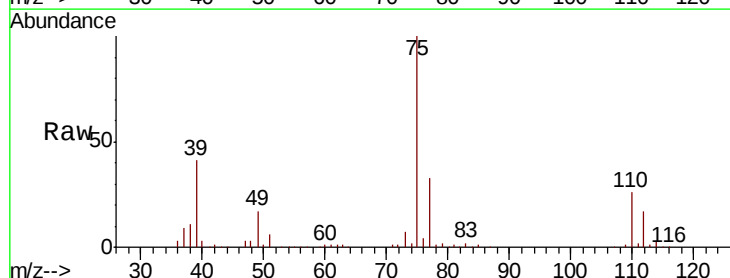
Acq: 11 Feb 2020 18:05

Tgt Ion: 75 Resp: 162973

Ion Ratio Lower Upper

75 100

77 32.9 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VV014555.D (-2034) (-)

Ion 77.00 (76.70 to 77.70): VV014555.D (-2034) (-)

7.69

100000

80000

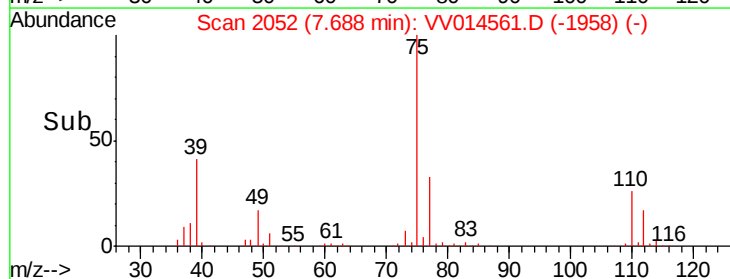
60000

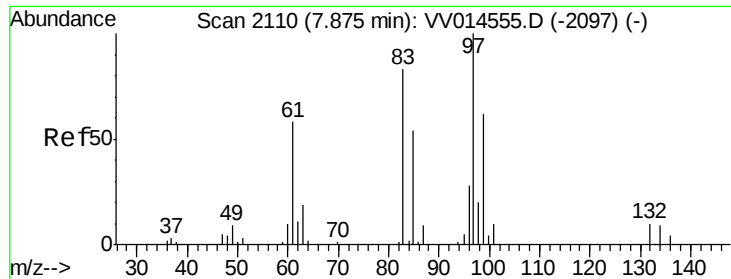
40000

20000

0

Time-->

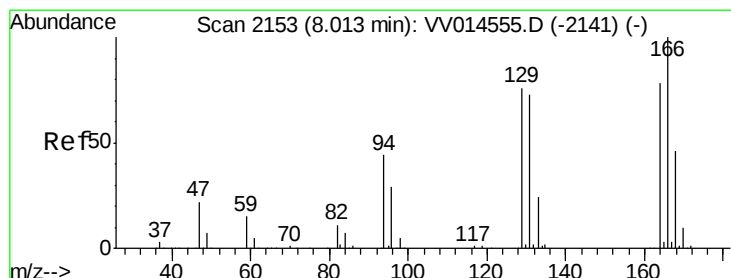
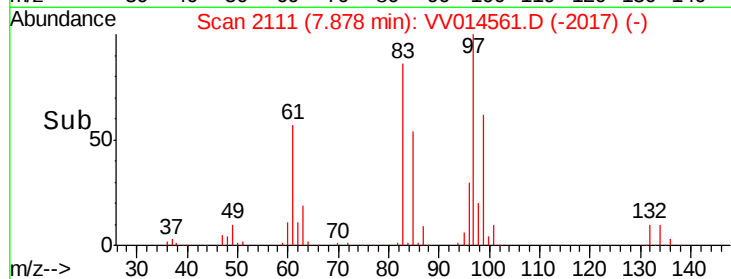
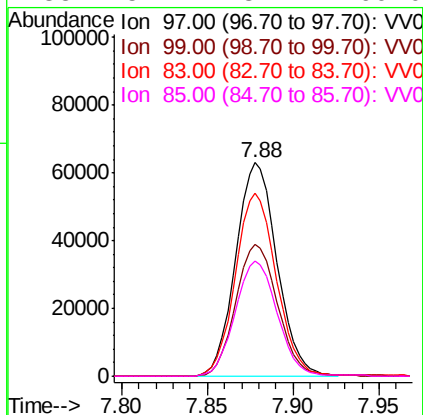
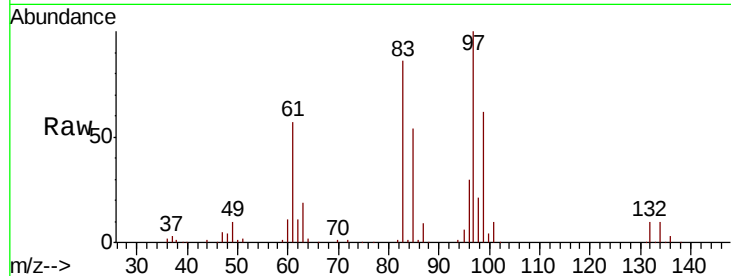




#45
1,1,2-Trichloroethane
Concen: 54.473 ug/L
RT: 7.88 min Scan# 2111
Delta R.T. 0.00 min
Lab File: VV014561.D
Acq: 11 Feb 2020 18:05

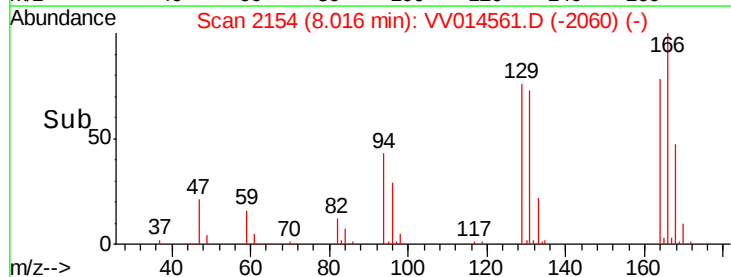
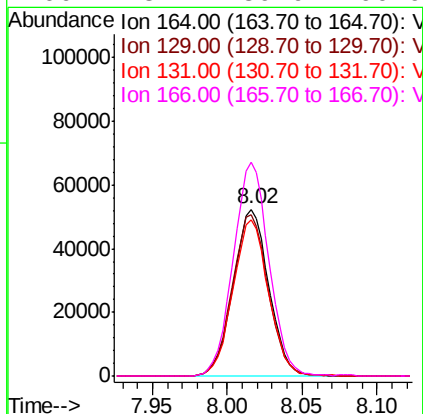
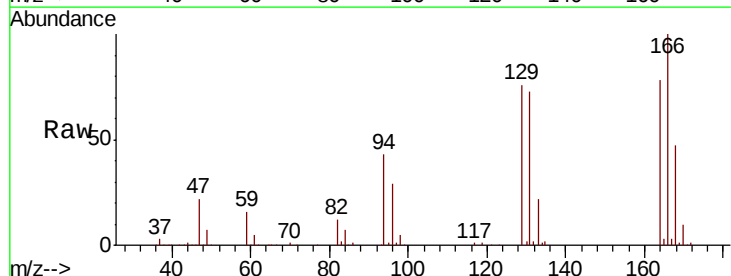
Instrument :
MSVOA_V
ClientSampleId :

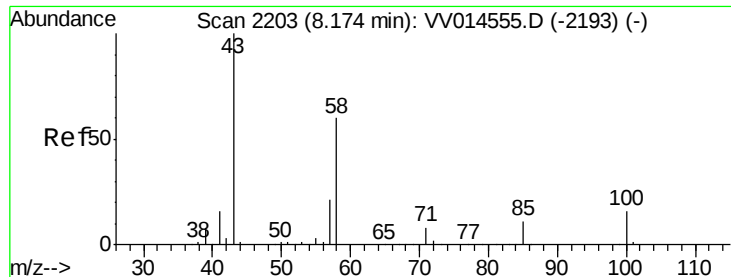
Tot Ion:	97	Resp:	105251
Ion	Ratio	Lower	Upper
97	100		
99	62.0	43.8	81.3
83	85.7	60.0	111.4
85	54.2	37.2	69.0



#46
Tetrachloroethene
Concen: 57.178 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV014561.D
Acq: 11 Feb 2020 18:05

Tgt Ion:	164	Resp:	86427
Ion	Ratio	Lower	Upper
164	100		
129	97.3	70.4	130.8
131	93.9	65.5	121.7
166	128.4	89.9	166.9

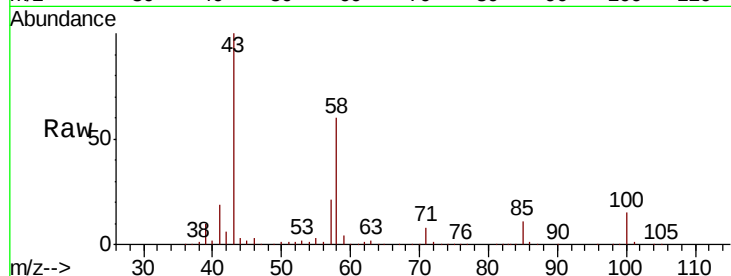




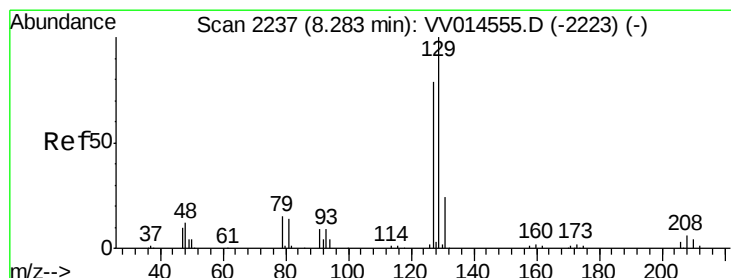
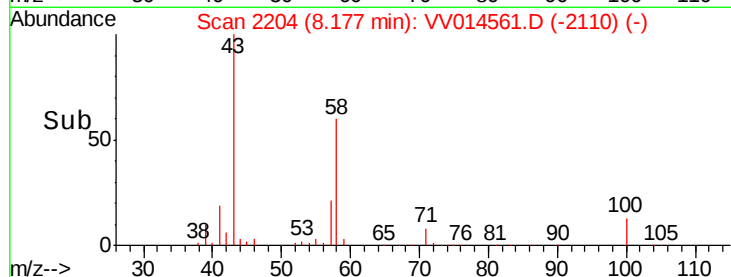
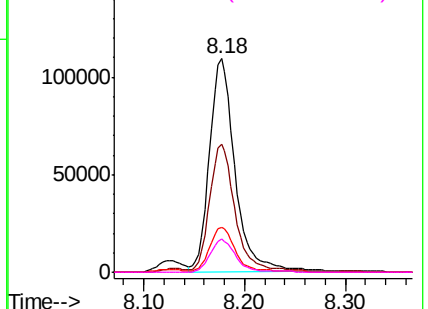
#48
2-Hexanone
Concen: 99.113 ug/L
RT: 8.18 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VV014561.D
Acq: 11 Feb 2020 18:05

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 191679
Ion Ratio Lower Upper
43 100
58 58.1 48.0 72.0
57 20.9 15.0 22.6
100 15.1 10.4 15.6

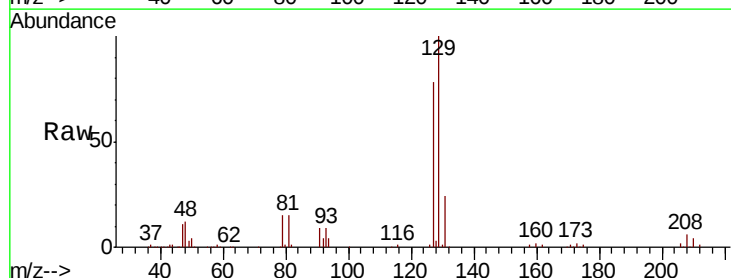


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

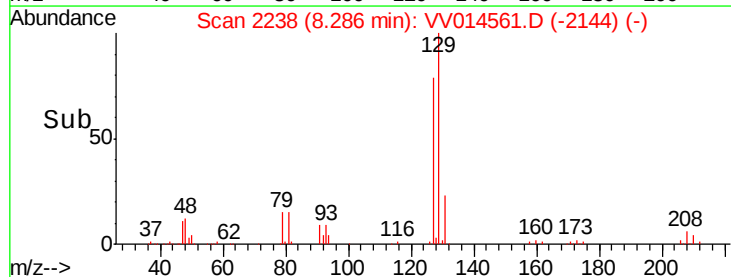
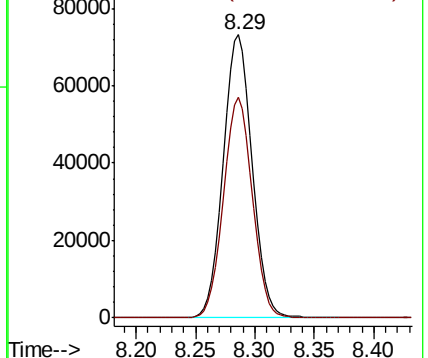


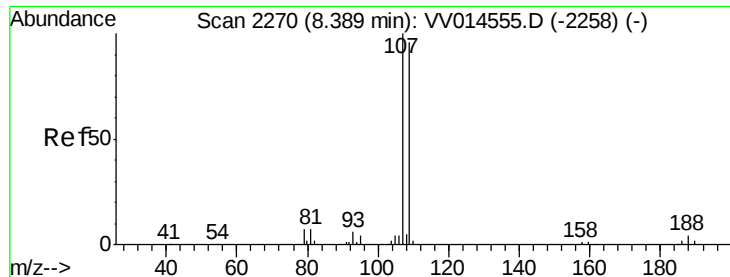
#49
Dibromochloromethane
Concen: 58.112 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV014561.D
Acq: 11 Feb 2020 18:05

Tgt Ion: 129 Resp: 123536
Ion Ratio Lower Upper
129 100
127 77.7 55.1 102.3



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

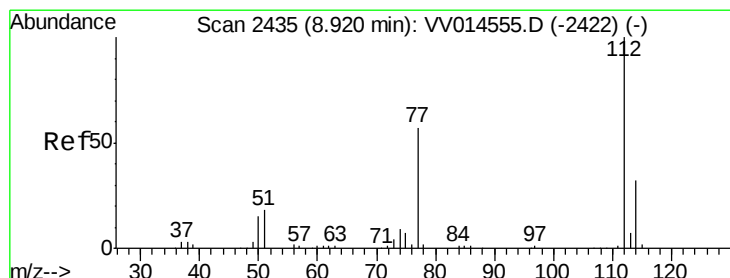
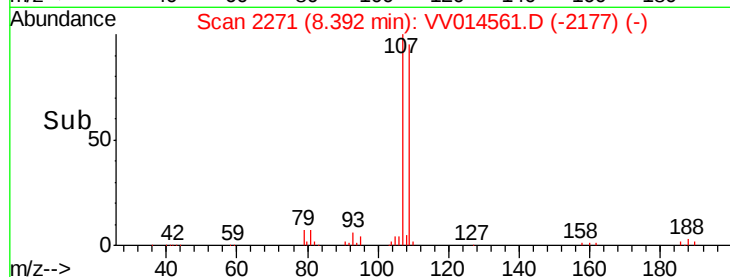
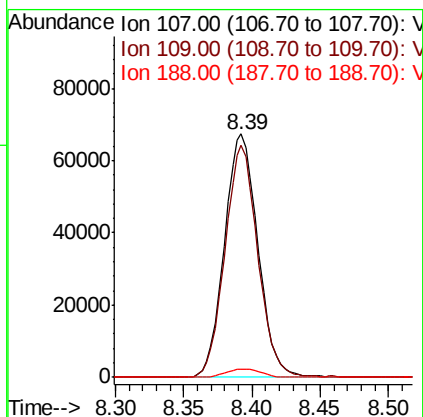
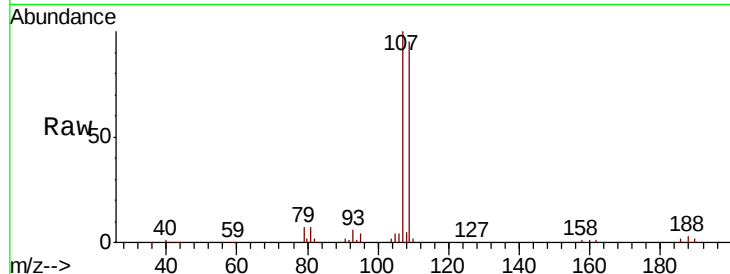




#50
1,2-Dibromoethane
Concen: 55.797 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV014561.D
Acq: 11 Feb 2020 18:05

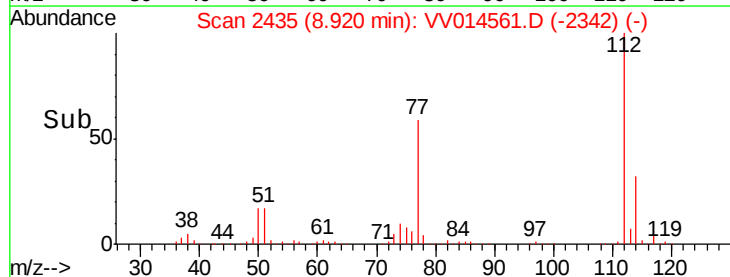
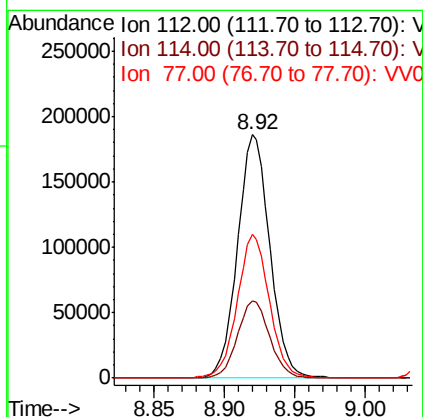
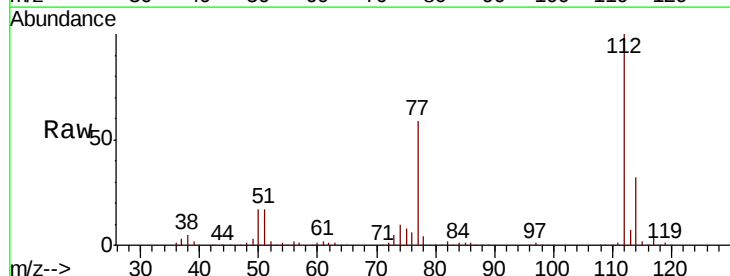
Instrument :
MSVOA_V
ClientSampleId :

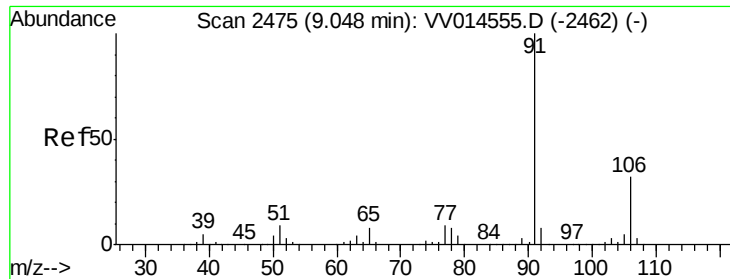
Tot Ion:107 Resp: 114786
Ion Ratio Lower Upper
107 100
109 95.1 65.5 121.7
188 3.4 2.6 3.8



#51
Chlorobenzene
Concen: 54.400 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. -0.00 min
Lab File: VV014561.D
Acq: 11 Feb 2020 18:05

Tgt Ion:112 Resp: 298111
Ion Ratio Lower Upper
112 100
114 31.8 22.5 41.9
77 58.9 47.5 71.3





#52

Ethylbenzene

Concen: 53.325 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV014561.D

Acq: 11 Feb 2020 18:05

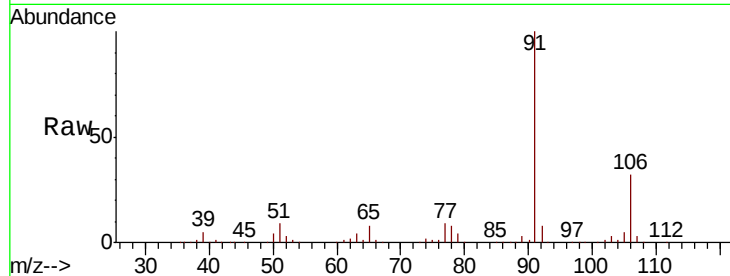
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 512698

Ion Ratio Lower Upper

91 100

106 31.7 21.8 40.6



Abundance Ion 91.00 (90.70 to 91.70): VV014555.D (-2462) (-)

Ion 106.00 (105.70 to 106.70): VV014555.D (-2462) (-)

9.05

300000

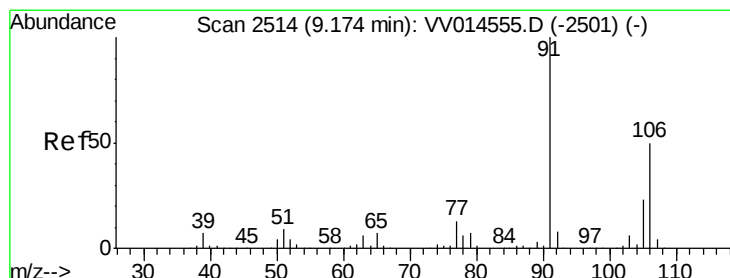
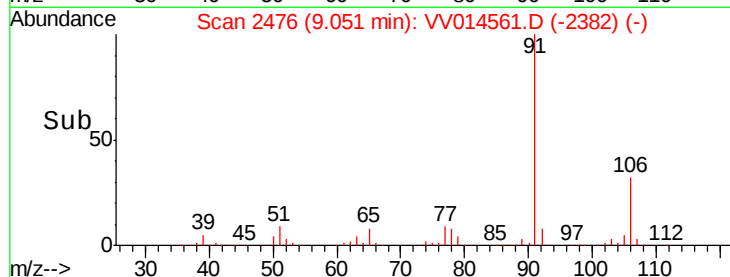
200000

100000

0

8.95 9.00 9.05 9.10 9.15

Time-->



#53

m,p-Xylene

Concen: 54.093 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV014561.D

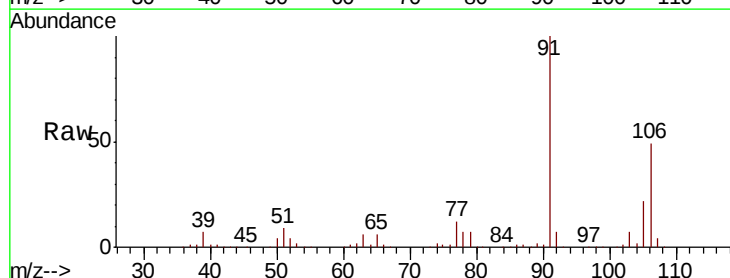
Acq: 11 Feb 2020 18:05

Tgt Ion: 106 Resp: 194200

Ion Ratio Lower Upper

106 100

91 205.4 140.9 261.7



Abundance Ion 106.00 (105.70 to 106.70): VV014555.D (-2501) (-)

Ion 91.00 (90.70 to 91.70): VV014555.D (-2501) (-)

9.18

250000

200000

150000

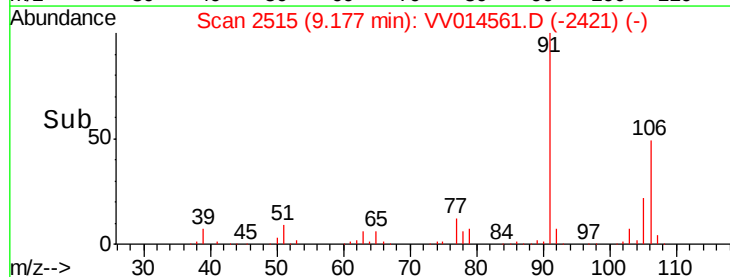
100000

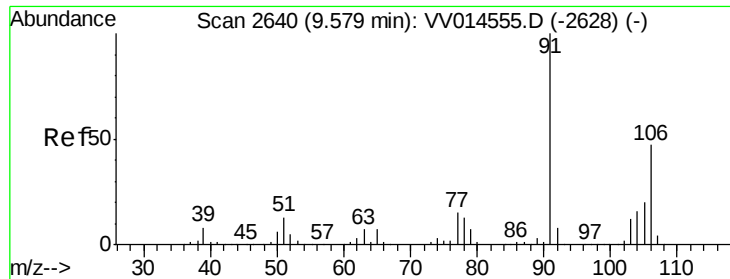
50000

0

9.10 9.15 9.20 9.25

Time-->





#54

o-xylene

Concen: 53.325 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV014561.D

Acq: 11 Feb 2020 18:05

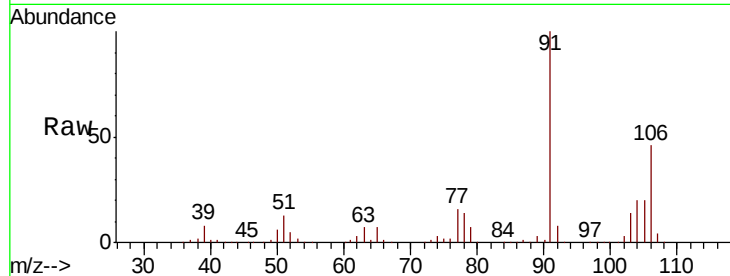
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 189696

Ion Ratio Lower Upper

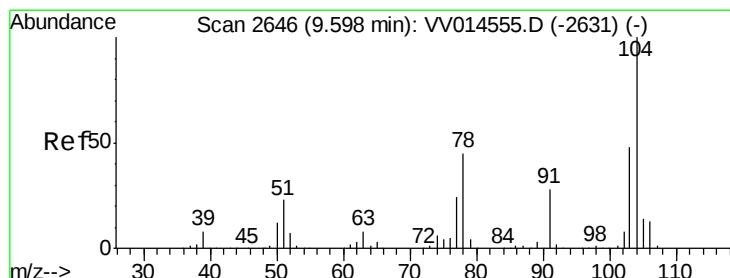
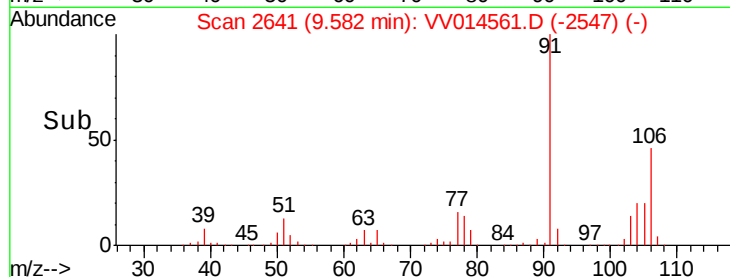
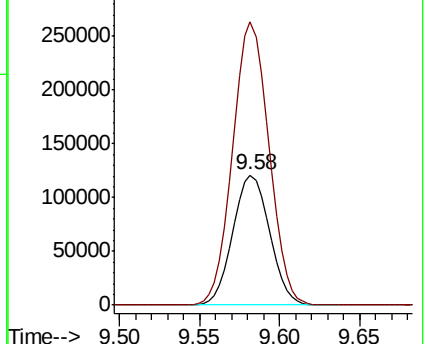
106 100

91 217.9 150.4 279.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 55.555 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. -0.00 min

Lab File: VV014561.D

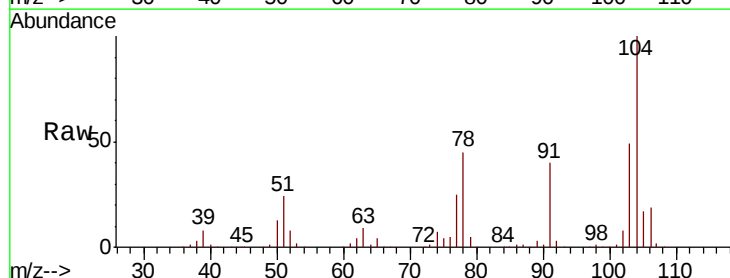
Acq: 11 Feb 2020 18:05

Tgt Ion:104 Resp: 331672

Ion Ratio Lower Upper

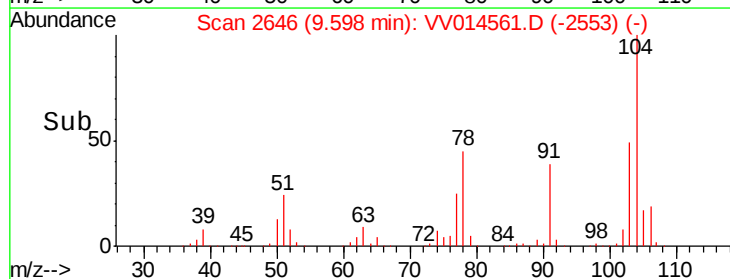
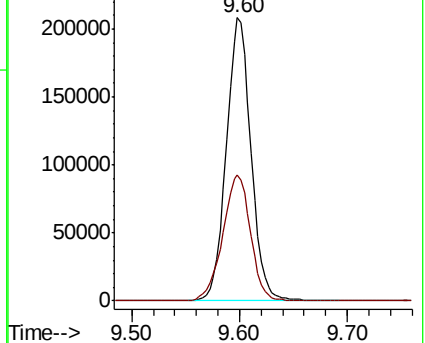
104 100

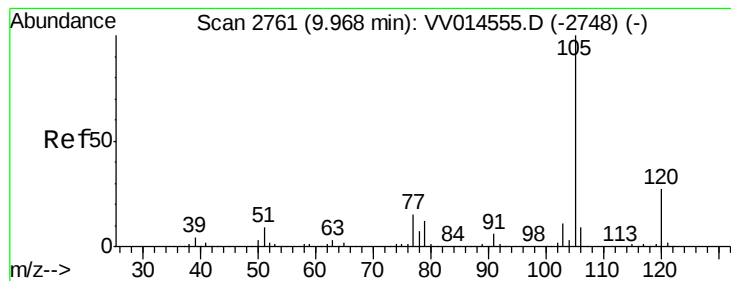
78 44.6 31.3 58.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 55.113 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV014561.D

Acq: 11 Feb 2020 18:05

Instrument :

MSVOA_V

ClientSampleId :

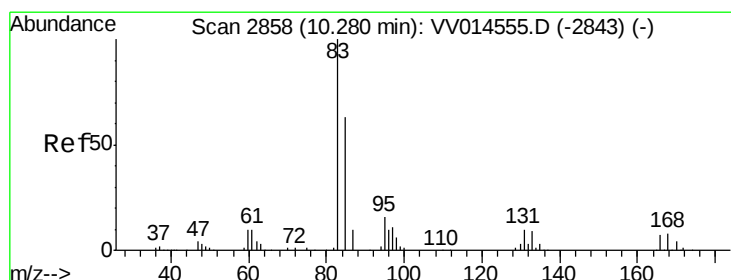
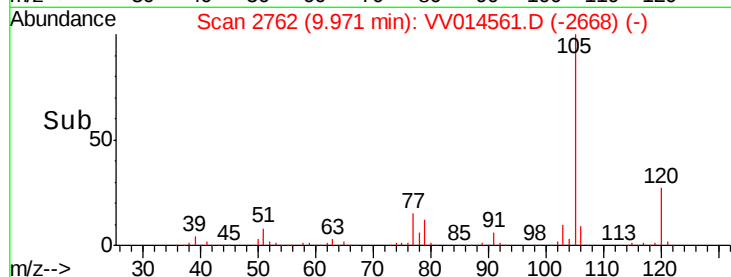
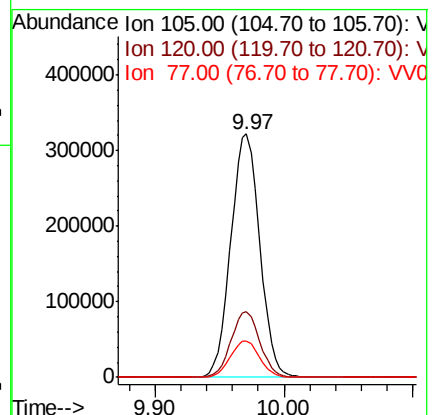
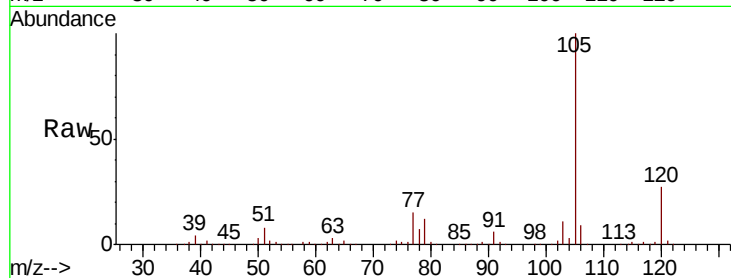
Tot Ion:105 Resp: 501299

Ion Ratio Lower Upper

105 100

120 26.8 21.0 31.6

77 15.1 12.5 18.7



#58

1,1,2,2-Tetrachloroethane

Concen: 54.139 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. -0.00 min

Lab File: VV014561.D

Acq: 11 Feb 2020 18:05

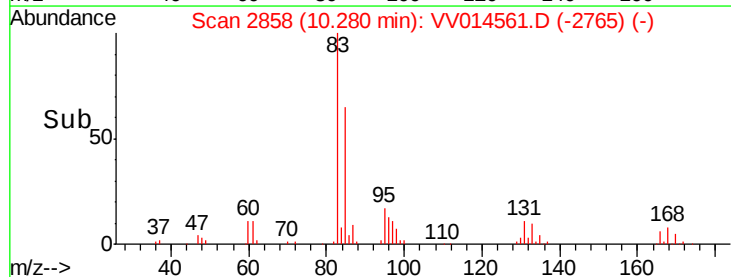
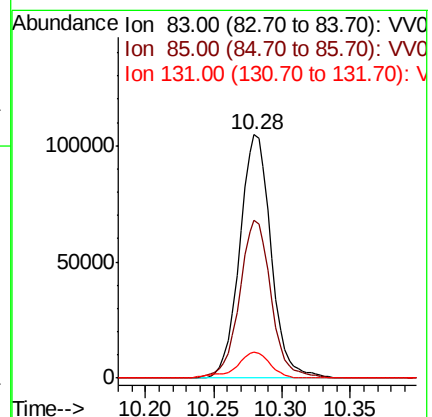
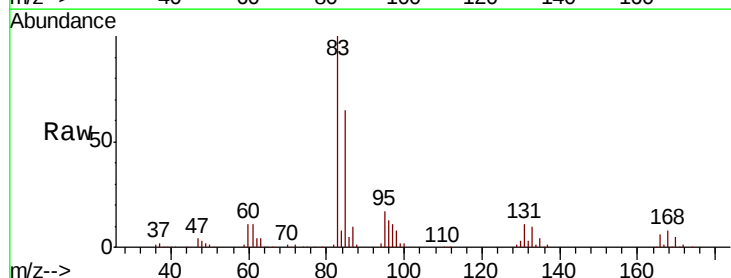
Tgt Ion: 83 Resp: 167110

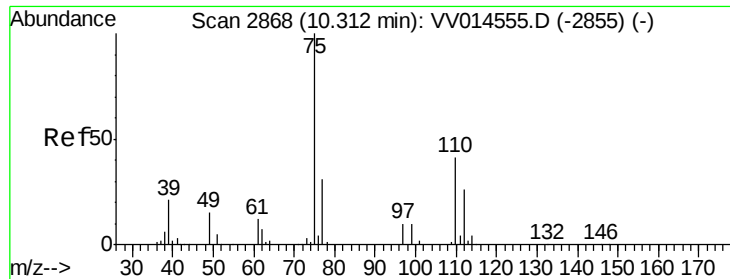
Ion Ratio Lower Upper

83 100

85 64.8 44.2 82.2

131 10.8 7.6 11.4





#59

1,2,3-Trichloropropane

Concen: 53.797 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VV014561.D

Acq: 11 Feb 2020 18:05

Instrument :

MSVOA_V

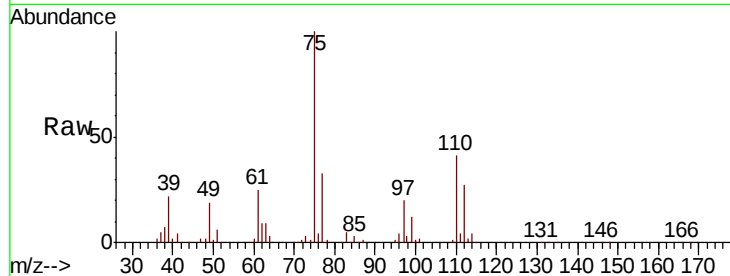
ClientSampleId :

Tot Ion: 75 Resp: 130011

Ion Ratio Lower Upper

75 100

77 32.3 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV014555.D (-2855) (-)

Ion 77.00 (76.70 to 77.70): VV014555.D (-2855) (-)

10.31

80000

60000

40000

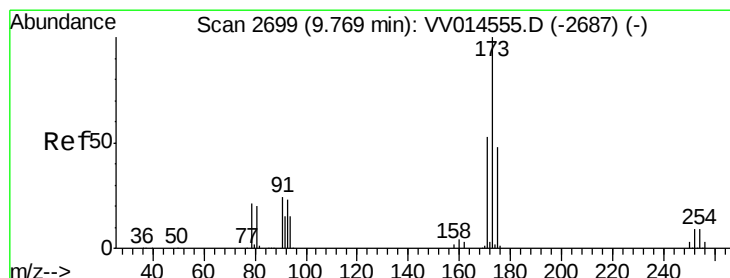
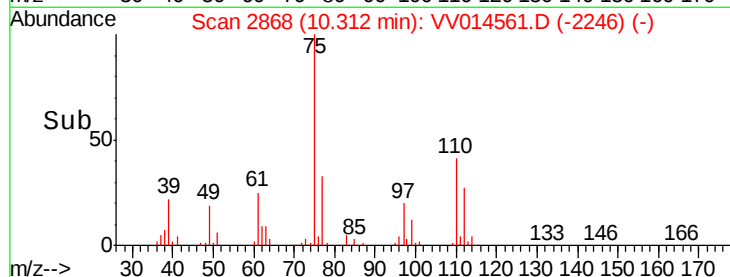
20000

0

10.30

10.40

Time-->



#61

Bromoform

Concen: 58.805 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV014561.D

Acq: 11 Feb 2020 18:05

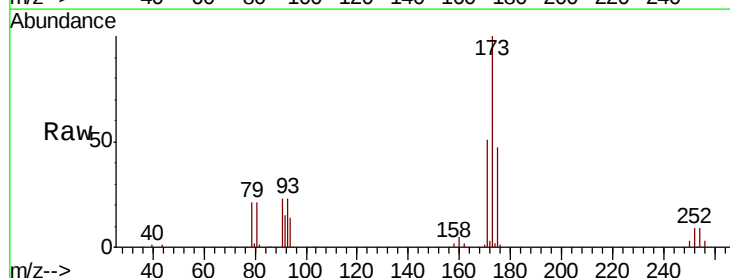
Tgt Ion: 173 Resp: 85053

Ion Ratio Lower Upper

173 100

175 47.3 38.8 58.2

254 8.6 7.0 10.6



Abundance Ion 173.00 (172.70 to 173.70): VV014555.D (-2687) (-)

Ion 175.00 (174.70 to 175.70): VV014555.D (-2687) (-)

Ion 254.00 (253.70 to 254.70): VV014555.D (-2687) (-)

9.77

60000

40000

20000

0

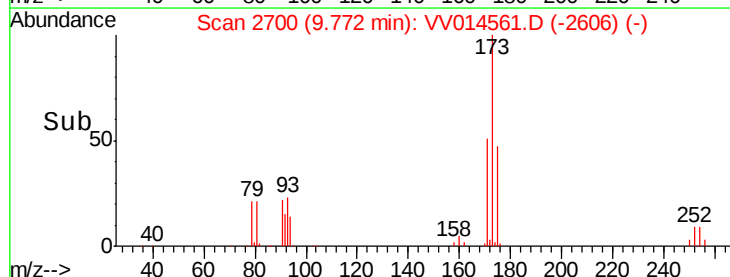
9.70

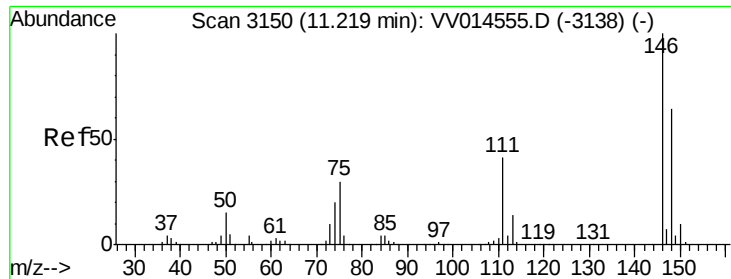
9.75

9.80

9.85

Time-->





#62

1,3-Dichlorobenzene

Concen: 55.512 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV014561.D

Acq: 11 Feb 2020 18:05

Instrument :

MSVOA_V

ClientSampleId :

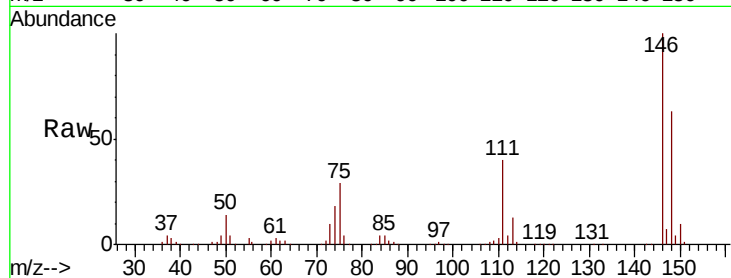
Tot Ion:146 Resp: 236343

Ion Ratio Lower Upper

146 100

111 40.2 29.3 54.3

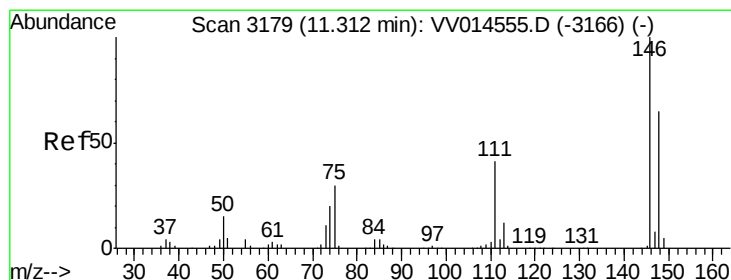
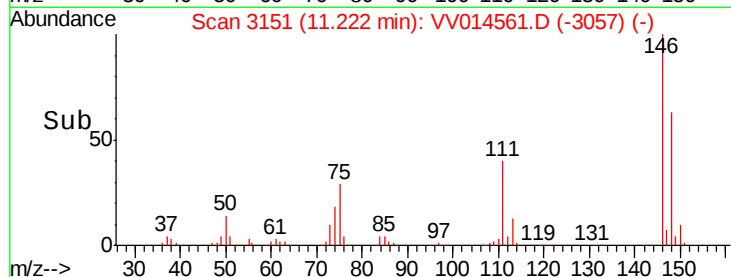
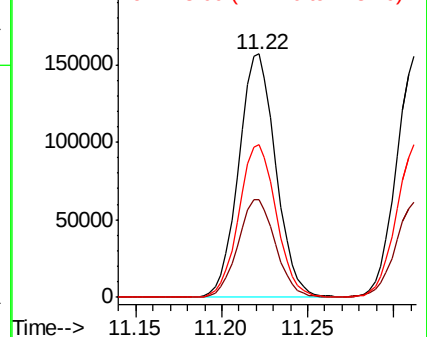
148 62.7 44.9 83.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 54.957 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. -0.00 min

Lab File: VV014561.D

Acq: 11 Feb 2020 18:05

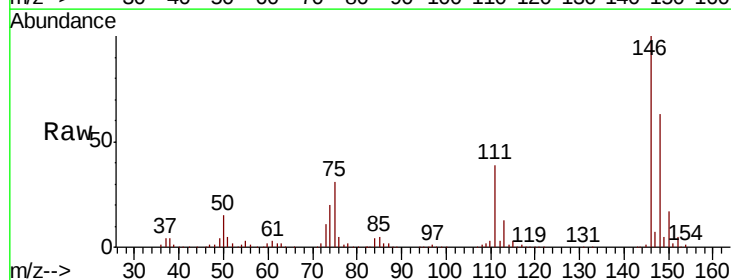
Tgt Ion:146 Resp: 240871

Ion Ratio Lower Upper

146 100

111 39.2 28.1 52.1

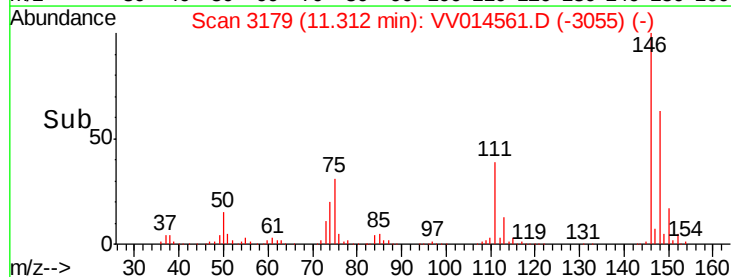
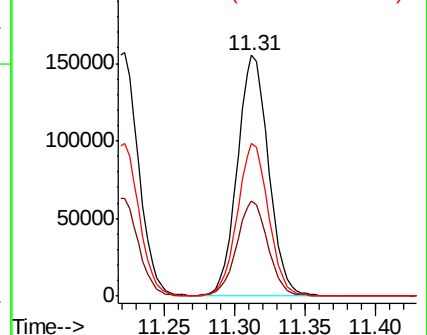
148 63.4 43.5 80.9

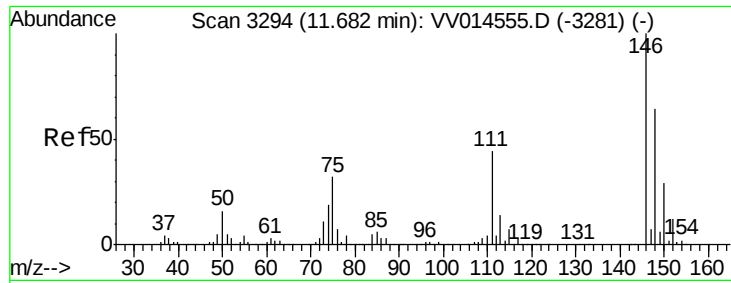


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 54.403 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. 0.00 min

Lab File: VV014561.D

Acq: 11 Feb 2020 18:05

Instrument :

MSVOA_V

ClientSampleId :

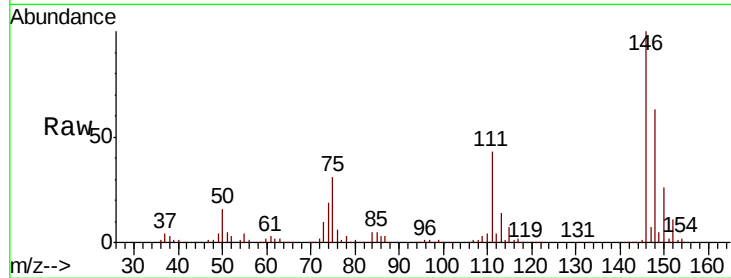
Tot Ion:146 Resp: 228941

Ion Ratio Lower Upper

146 100

111 43.0 34.6 51.8

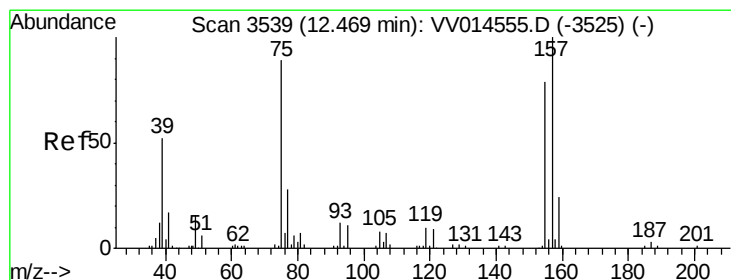
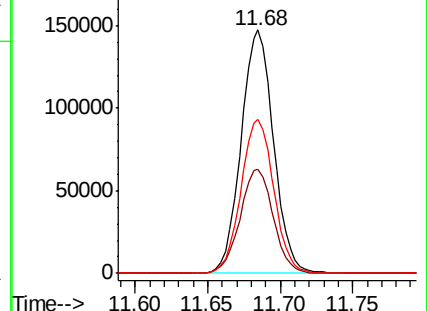
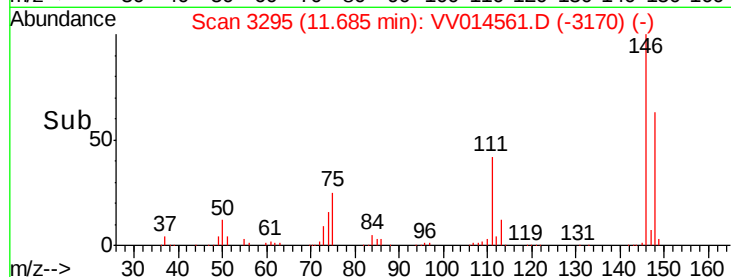
148 63.4 51.2 76.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 54.381 ug/L

RT: 12.47 min Scan# 3539

Delta R.T. -0.00 min

Lab File: VV014561.D

Acq: 11 Feb 2020 18:05

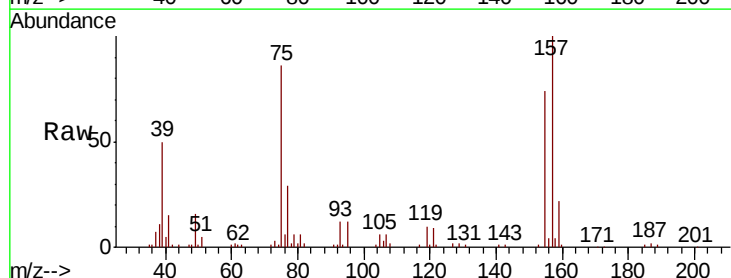
Tgt Ion: 75 Resp: 36379

Ion Ratio Lower Upper

75 100

155 85.7 64.2 96.2

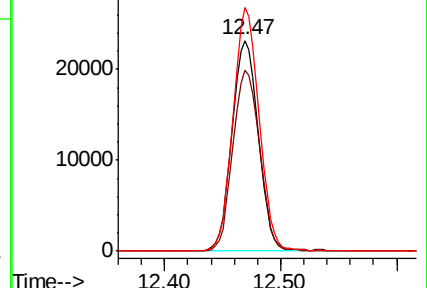
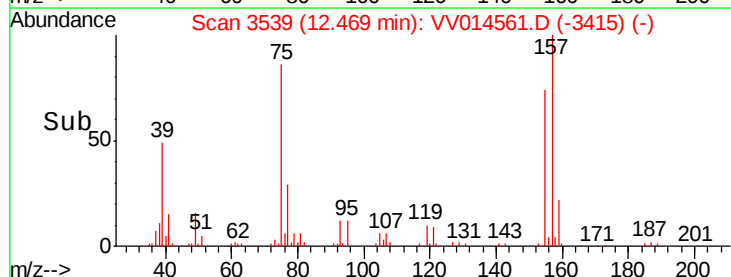
157 115.7 83.4 125.2

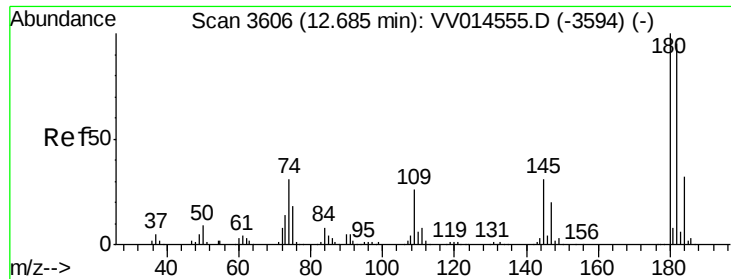


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

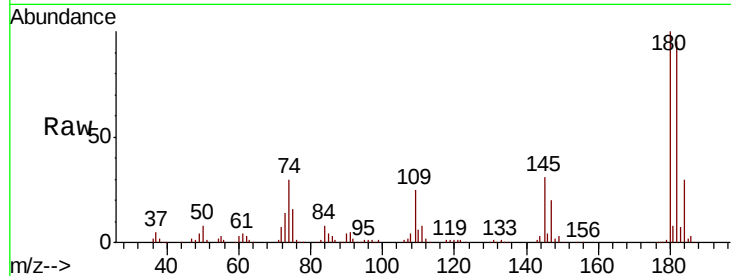




#67
 1,3,5-Trichlorobenzene
 Concen: 57.074 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV014561.D
 Acq: 11 Feb 2020 18:05

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	76.3	114.5
184	29.9	24.2	36.2
145	31.3	25.4	38.2



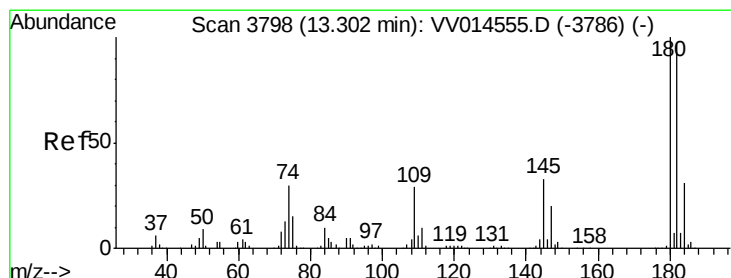
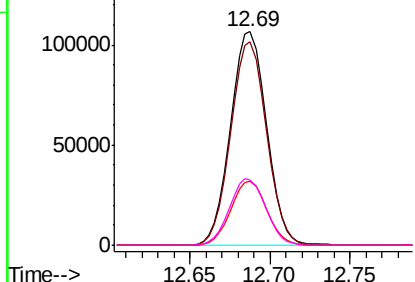
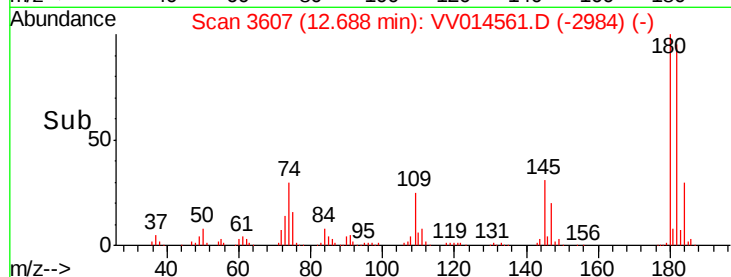
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

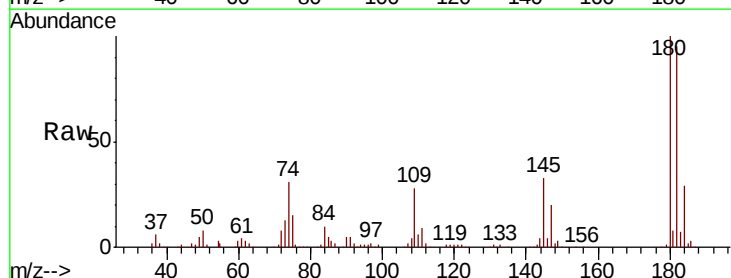
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 59.403 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. -0.00 min
 Lab File: VV014561.D
 Acq: 11 Feb 2020 18:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.2	76.0	114.0
145	32.3	26.2	39.2

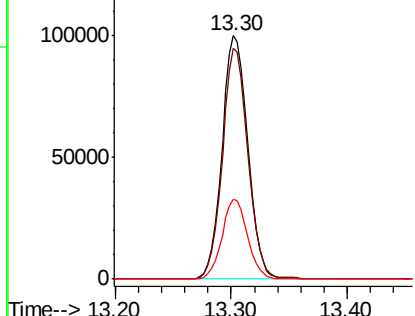
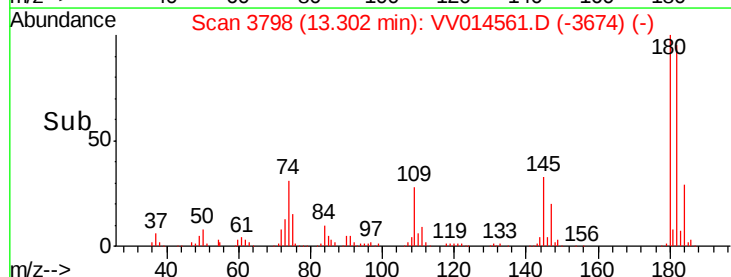


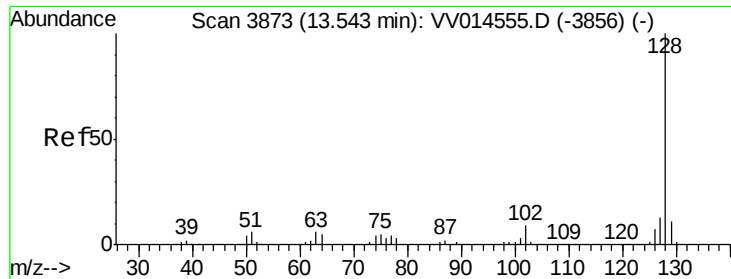
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

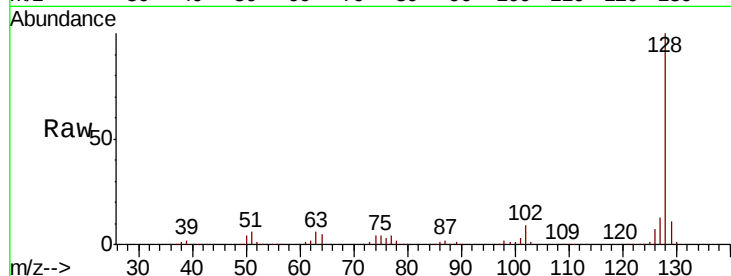




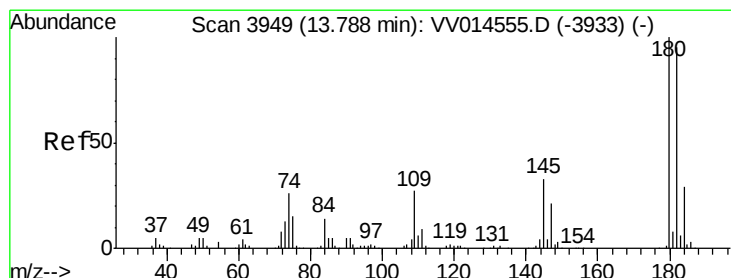
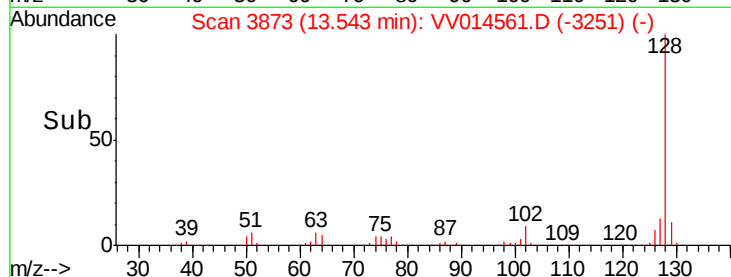
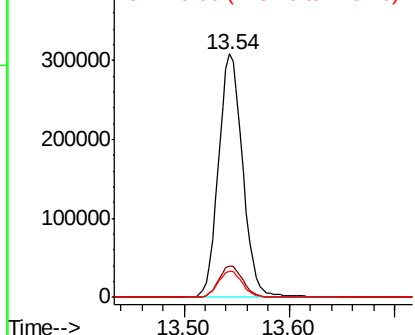
#69
Naphthalene
Concen: 59.290 ug/L
RT: 13.54 min Scan# 3873
Delta R.T. -0.00 min
Lab File: VV014561.D
Acq: 11 Feb 2020 18:05

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:128 Resp: 489222
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.4
129 10.9 8.6 13.0

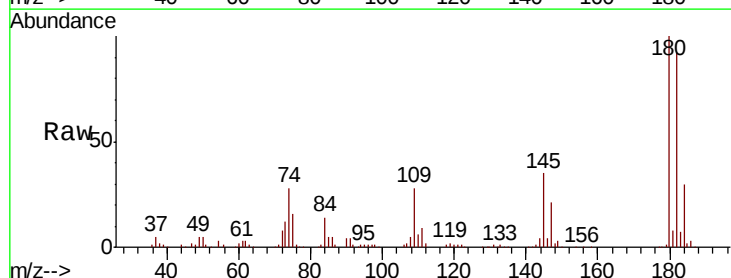


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#70
1,2,3-Trichlorobenzene
Concen: 60.153 ug/L
RT: 13.79 min Scan# 3949
Delta R.T. -0.00 min
Lab File: VV014561.D
Acq: 11 Feb 2020 18:05

Tgt Ion:180 Resp: 151024
Ion Ratio Lower Upper
180 100
182 93.3 77.5 116.3
145 34.4 27.8 41.6



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

