

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040120\
 Data File : VV015352.D
 Acq On : 02 Apr 2020 00:17
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 02 03:32:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM040120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 02 03:22:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	726370	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	698752	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	345106	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	254641	39.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.20%
7) Chloroethane-d5	1.58	69	224686	40.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.76%
11) 1,1-Dichloroethene-d2	2.12	63	495619	42.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.14%
21) 2-Butanone-d5	3.94	46	332483	96.05	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.05%
24) Chloroform-d	4.38	84	467152	43.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.90%
26) 1,2-Dichloroethane-d4	5.06	65	285685	42.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.30%
32) Benzene-d6	5.08	84	922523	42.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.74%
36) 1,2-Dichloropropane-d6	6.09	67	278120	43.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.68%
41) Toluene-d8	7.34	98	898075	43.64	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.28%
43) trans-1,3-Dichloropropene-	7.64	79	144740	41.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.58%
47) 2-Hexanone-d5	8.11	63	257072	88.72	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.72%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	407769	45.17	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.34%
64) 1,2-Dichlorobenzene-d4	11.65	152	350331	44.63	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.26%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	300437	45.737	ug/L 99
3) Chloromethane	1.25	50	273707	44.214	ug/L 99
5) Vinyl chloride	1.32	62	282263	43.530	ug/L 98
6) Bromomethane	1.53	94	195533	45.617	ug/L 98
8) Chloroethane	1.60	64	178573	40.088	ug/L 99
9) Trichlorofluoromethane	1.77	101	470246	38.358	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	242773	44.314	ug/L 99
12) 1,1-Dichloroethene	2.13	96	239052	45.981	ug/L 95
13) Acetone	2.22	43	205148	90.285	ug/L 100
14) Carbon disulfide	2.31	76	646151	44.939	ug/L 99
15) Methyl Acetate	2.46	43	236101	47.444	ug/L 98
16) Methylene chloride	2.52	84	259944	47.280	ug/L 97
17) trans-1,2-Dichloroethene	2.78	96	239542	48.267	ug/L 92
18) Methyl tert-butyl Ether	2.79	73	779361	47.637	ug/L 99
19) 1,1-Dichloroethane	3.21	63	416496	46.125	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	273628	48.185	ug/L # 93
23) Bromochloromethane	4.28	128	143942	50.188	ug/L 91

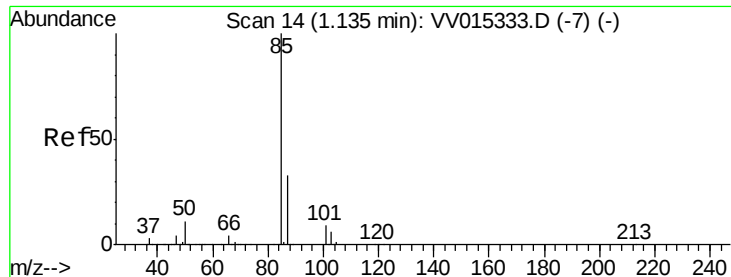
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040120\
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 Quant Title : VOC Analysis
 QLast Update : Thu Apr 02 03:22:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.41	83	455595	46.528	ug/L	99
27) 1,2-Dichloroethane	5.16	62	334969	45.421	ug/L	99
29) Cyclohexane	4.70	56	359308	43.220	ug/L	100
30) 1,1,1-Trichloroethane	4.64	97	422177	47.018	ug/L	98
31) Carbon tetrachloride	4.86	117	368358	47.983	ug/L	100
33) Benzene	5.13	78	972052	47.000	ug/L	100
34) Trichloroethene	5.94	95	263240	48.070	ug/L	98
35) Methylcyclohexane	6.15	83	387687	43.211	ug/L	97
37) 1,2-Dichloropropane	6.20	63	235791	46.452	ug/L	100
38) Bromodichloromethane	6.53	83	345791	46.467	ug/L	96
39) cis-1,3-Dichloropropene	7.05	75	388035	45.489	ug/L	100
40) 4-Methyl-2-pentanone	7.25	43	678127	95.032	ug/L	98
42) Toluene	7.41	91	1094916	47.636	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	381022	45.967	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	256128	47.850	ug/L	99
46) Tetrachloroethene	8.00	164	201849	51.414	ug/L	97
48) 2-Hexanone	8.16	43	525767	97.300	ug/L	99
49) Dibromochloromethane	8.27	129	287575	49.058	ug/L	100
50) 1,2-Dibromoethane	8.37	107	281675	49.297	ug/L	98
51) Chlorobenzene	8.90	112	725467	48.158	ug/L	97
52) Ethylbenzene	9.03	91	1217335	47.186	ug/L	99
53) m,p-Xylene	9.16	106	478625	48.180	ug/L	100
54) o-xylene	9.57	106	478200	48.056	ug/L	99
55) Styrene	9.58	104	810671	48.992	ug/L	97
56) Isopropylbenzene	9.95	105	1253229	48.619	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	404630	47.086	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	319802	46.660	ug/L	99
61) Bromoform	9.75	173	188980	49.024	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	571543	49.194	ug/L	98
63) 1,4-Dichlorobenzene	11.30	146	569572	48.338	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	580910	49.022	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.45	75	101706	43.466	ug/L	84
67) 1,3,5-Trichlorobenzene	12.67	180	379550	49.294	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	363751	51.720	ug/L	98
69) Naphthalene	13.53	128	1347229	50.105	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	367070	50.667	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 45.737 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV015352.D

Acq: 02 Apr 2020 00:17

Instrument :

MSVOA_V

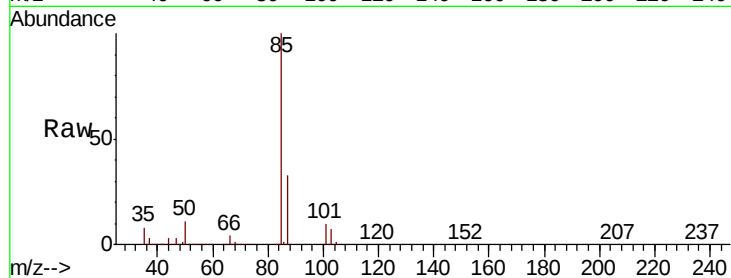
ClientSampleId :

Tot Ion: 85 Resp: 300437

Ion Ratio Lower Upper

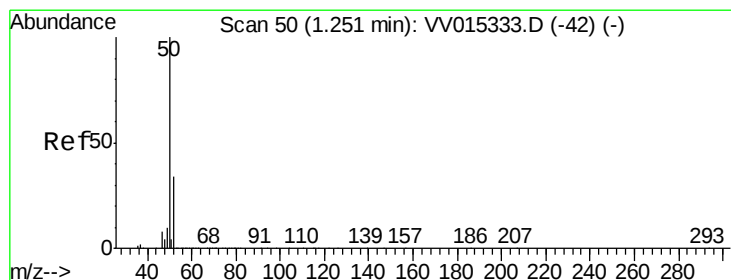
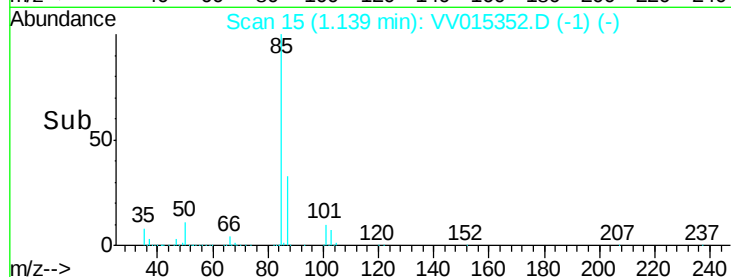
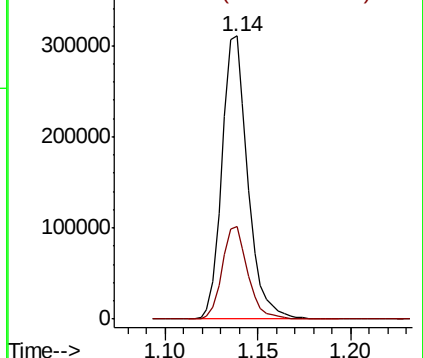
85 100

87 32.4 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 44.214 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV015352.D

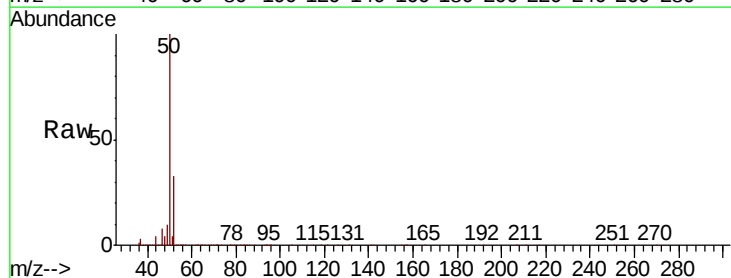
Acq: 02 Apr 2020 00:17

Tgt Ion: 50 Resp: 273707

Ion Ratio Lower Upper

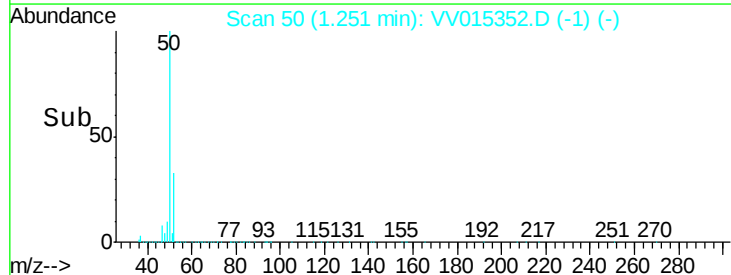
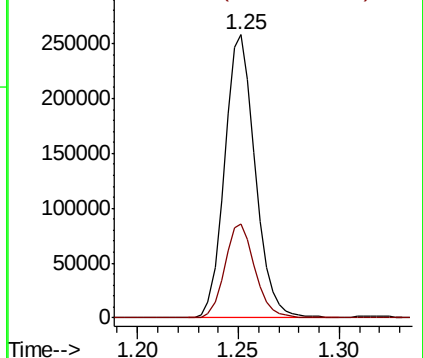
50 100

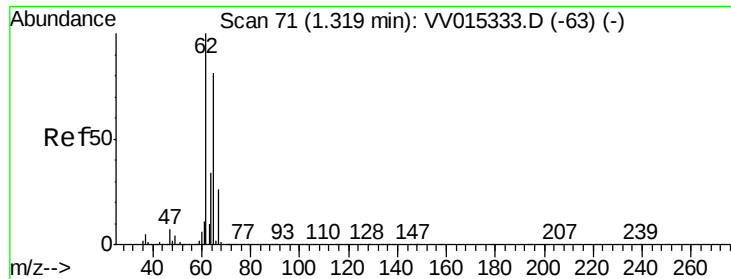
52 33.1 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 43.530 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV015352.D

Acq: 02 Apr 2020 00:17

Instrument :

MSVOA_V

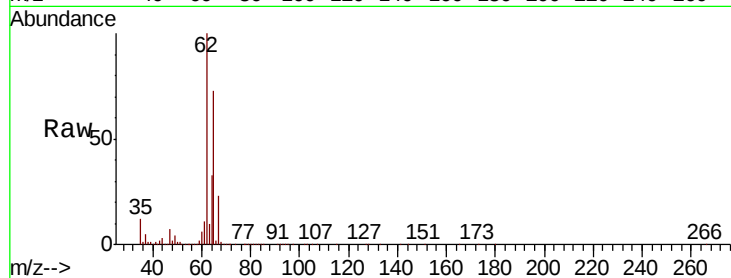
ClientSampled :

Tot Ion: 62 Resp: 282263

Ion Ratio Lower Upper

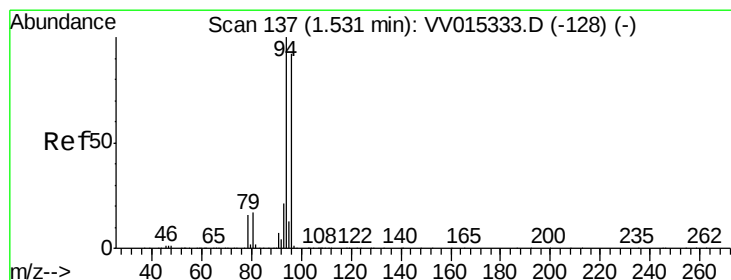
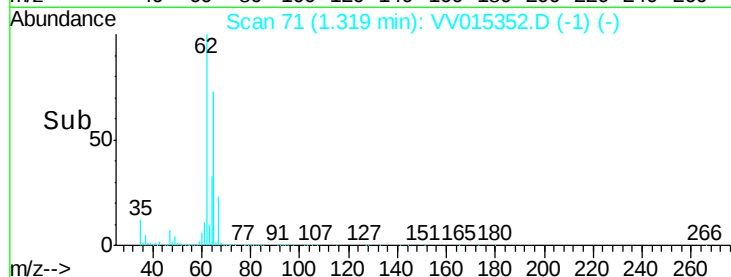
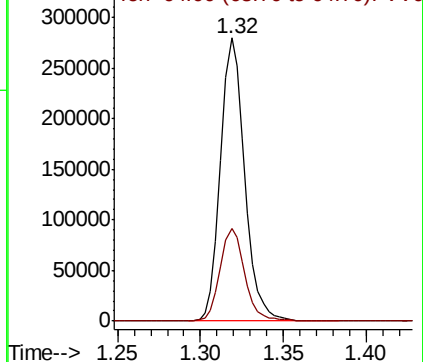
62 100

64 32.8 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 45.617 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV015352.D

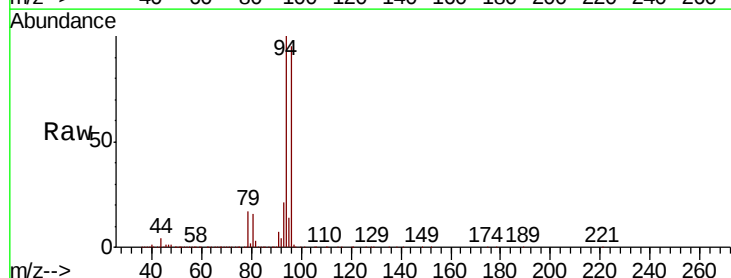
Acq: 02 Apr 2020 00:17

Tgt Ion: 94 Resp: 195533

Ion Ratio Lower Upper

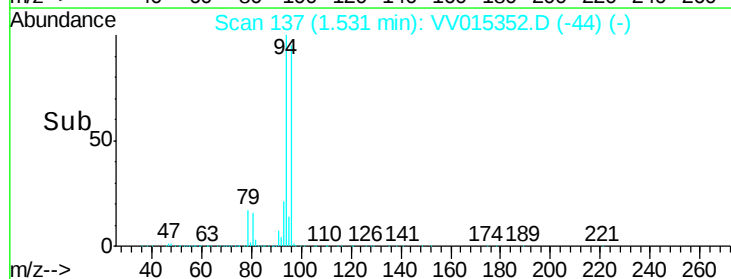
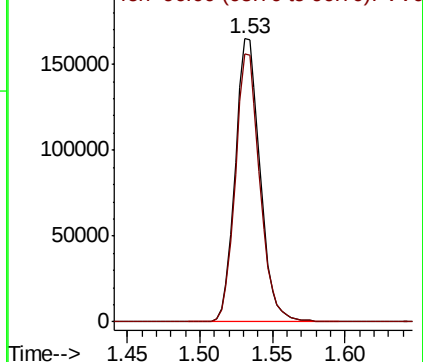
94 100

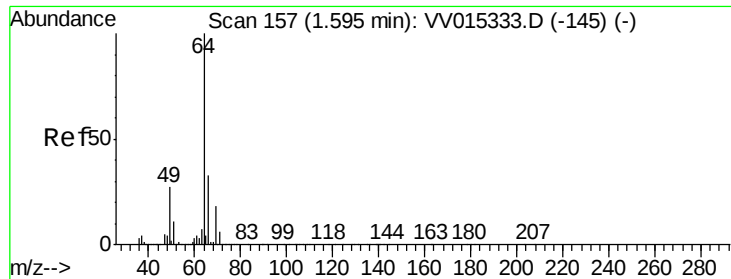
96 94.8 65.2 121.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 40.088 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV015352.D

Acq: 02 Apr 2020 00:17

Instrument :

MSVOA_V

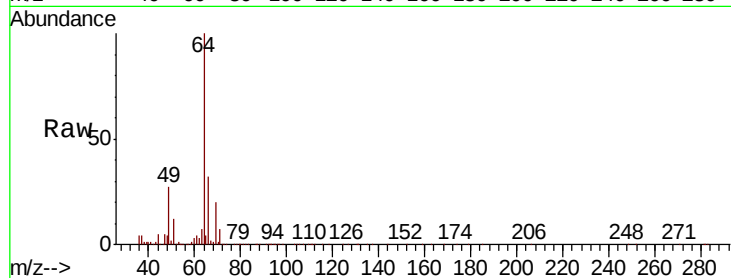
ClientSampleId :

Tot Ion: 64 Resp: 178573

Ion Ratio Lower Upper

64 100

66 32.5 22.3 41.3



Abundance Ion 64.00 (63.70 to 64.70): VV015333.D (-145) (-)

Ion 66.00 (65.70 to 66.70): VV015333.D (-145) (-)

1.60

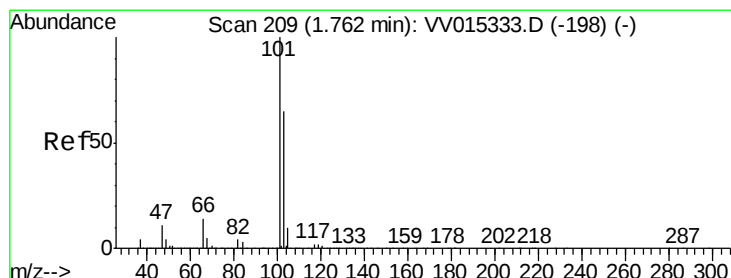
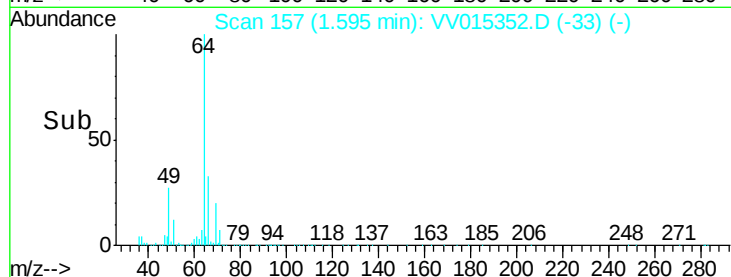
150000

100000

50000

0

Time-->



#9

Trichlorofluoromethane

Concen: 38.358 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV015352.D

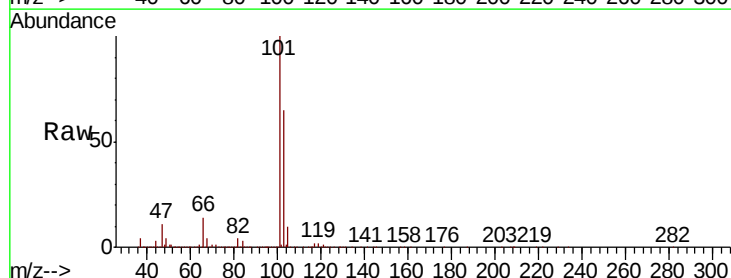
Acq: 02 Apr 2020 00:17

Tgt Ion: 101 Resp: 470246

Ion Ratio Lower Upper

101 100

103 64.3 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VV015333.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV015333.D (-198) (-)

1.77

400000

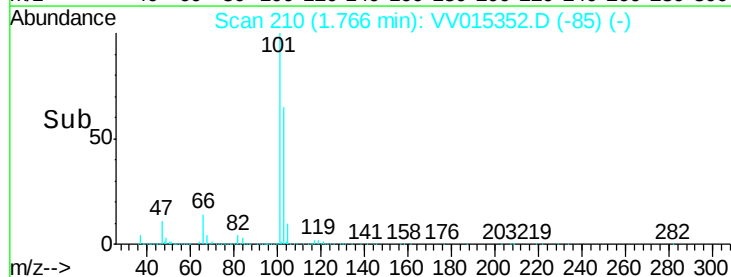
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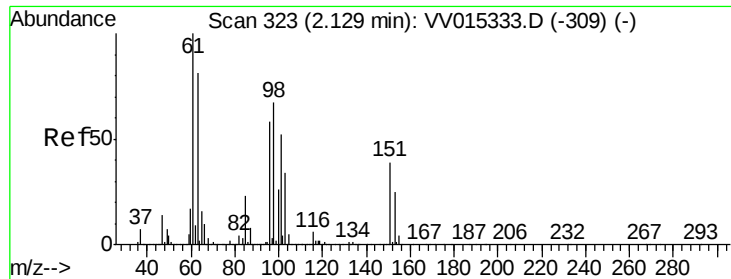
200000

100000

0

Time-->





#10

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

Concen: 44.314 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV015352.D

Acq: 02 Apr 2020 00:17

Instrument :

MSVOA_V

ClientSampleId :

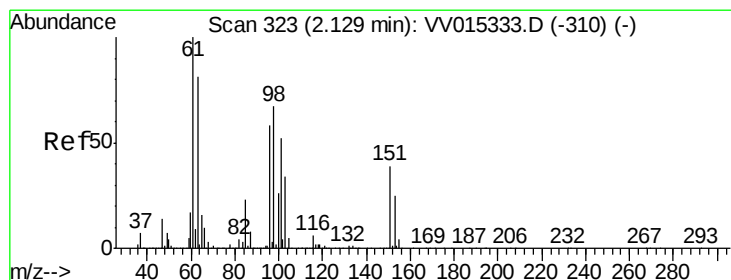
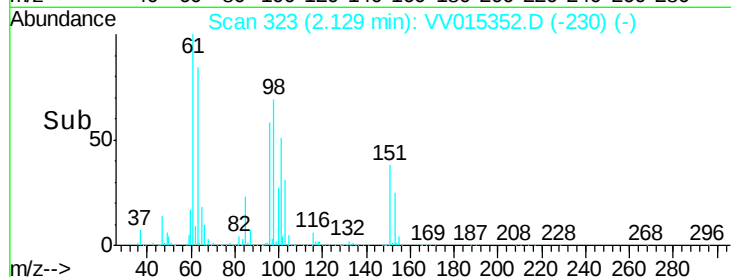
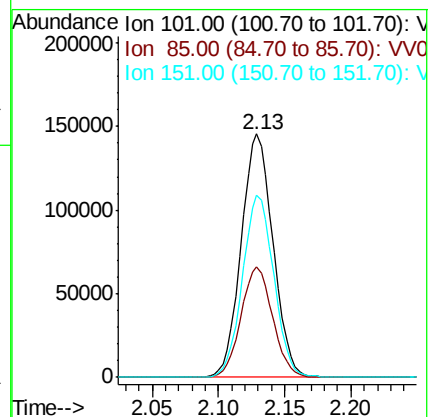
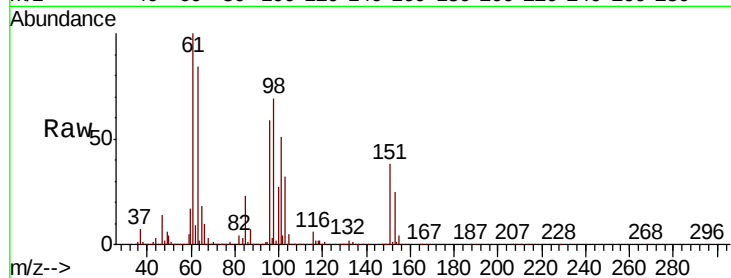
Tot Ion:101 Resp: 242773

Ion Ratio Lower Upper

101 100

85 45.2 36.1 54.1

151 73.8 58.2 87.4



#12

1,1-Dichloroethene

Concen: 45.981 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV015352.D

Acq: 02 Apr 2020 00:17

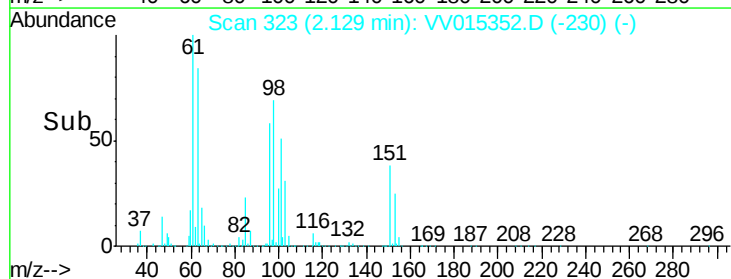
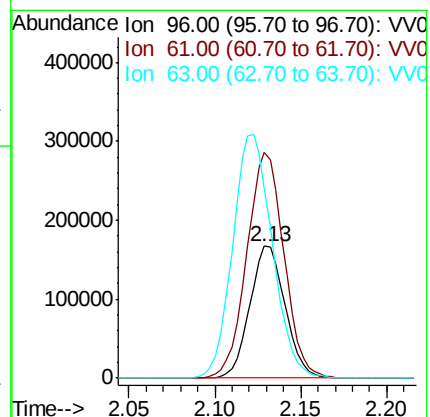
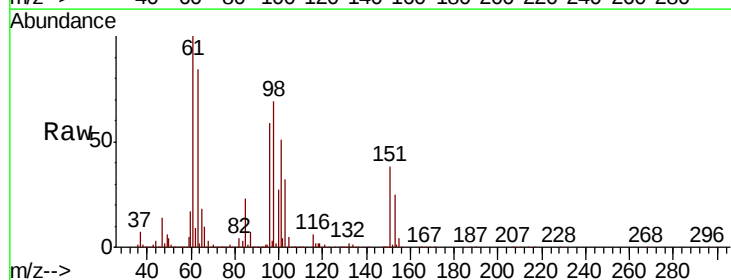
Tgt Ion: 96 Resp: 239052

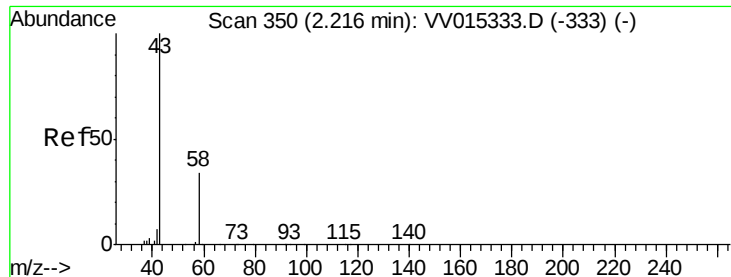
Ion Ratio Lower Upper

96 100

61 170.9 118.0 219.2

63 143.8 92.3 171.3





#13

Acetone

Concen: 90.285 ug/L

RT: 2.22 min Scan# 350

Delta R.T. -0.00 min

Lab File: VV015352.D

Acq: 02 Apr 2020 00:17

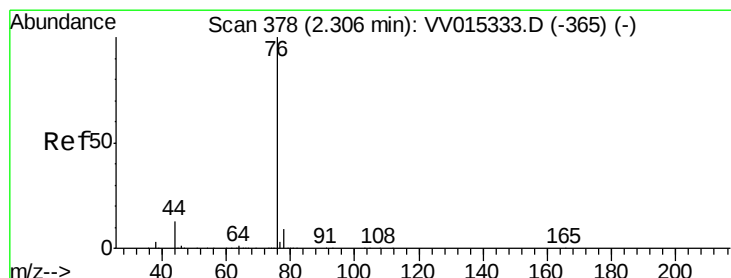
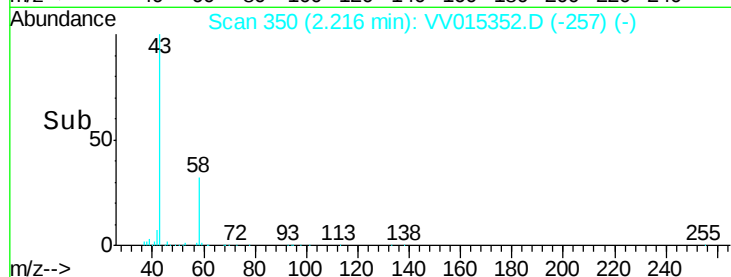
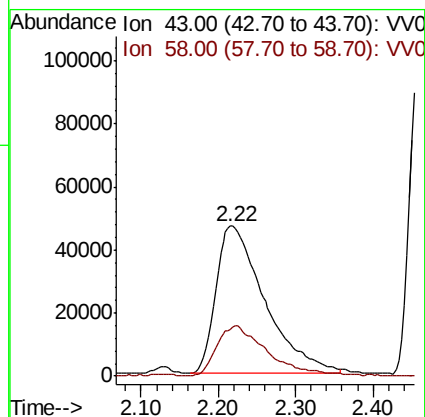
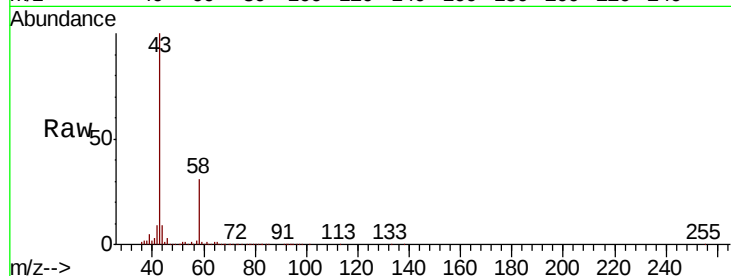
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 205148

Ion Ratio Lower Upper

43 100

58 34.2 0.0 68.2



#14

Carbon disulfide

Concen: 44.939 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV015352.D

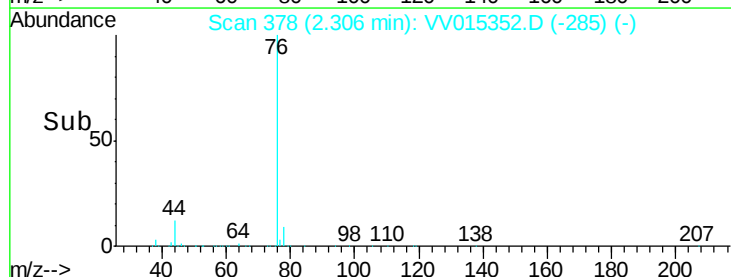
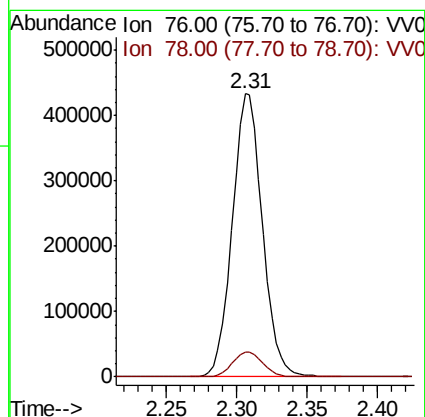
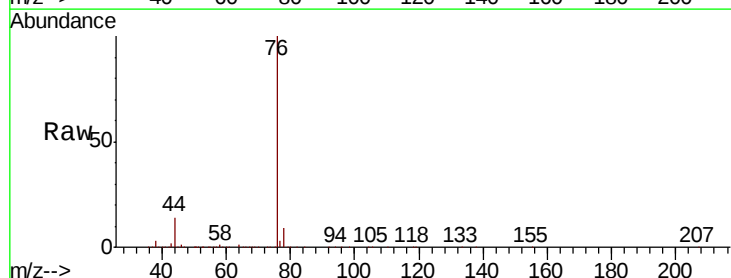
Acq: 02 Apr 2020 00:17

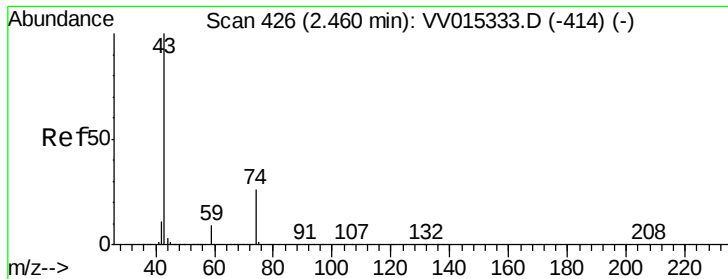
Tgt Ion: 76 Resp: 646151

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2

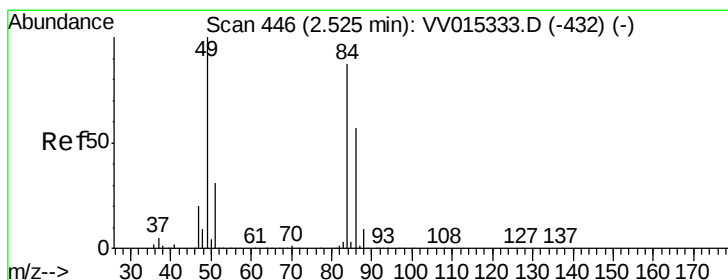
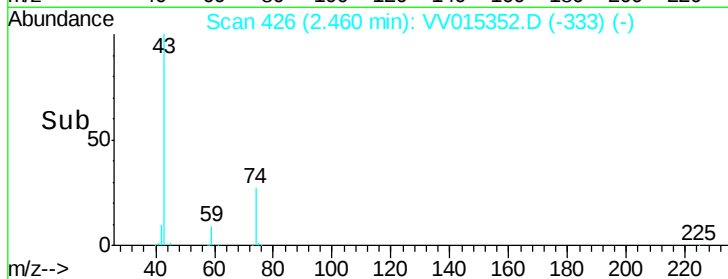
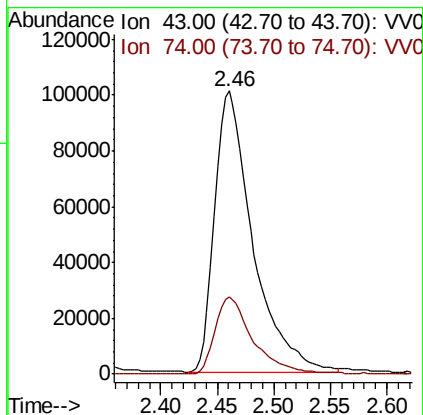
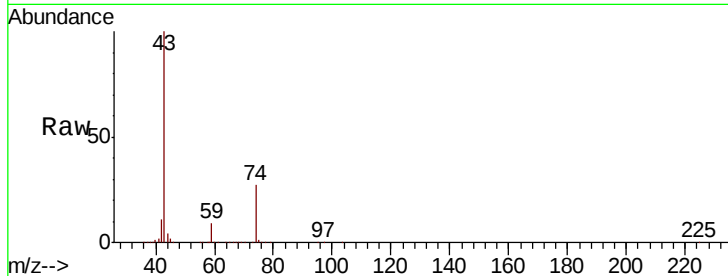




#15
Methvl Acetate
Concen: 47.444 ug/L
RT: 2.46 min Scan# 426
Delta R.T. -0.00 min
Lab File: VV015352.D
Acq: 02 Apr 2020 00:17

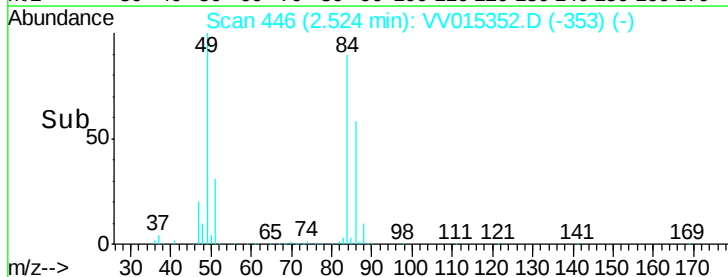
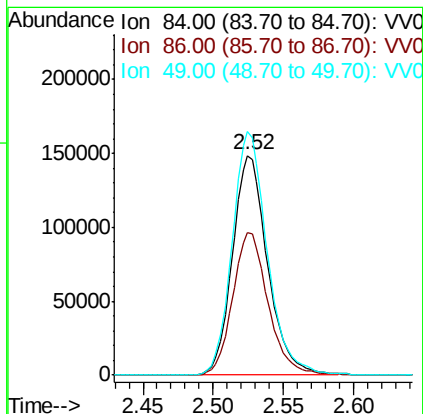
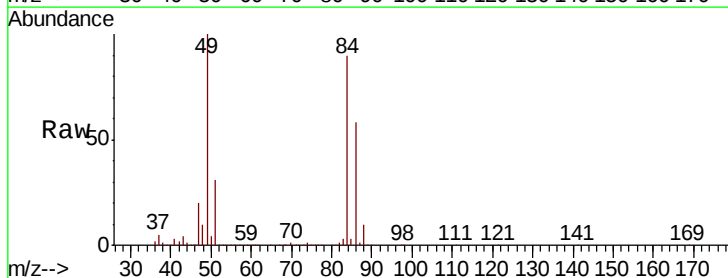
Instrument :
MSVOA_V
ClientSampled :

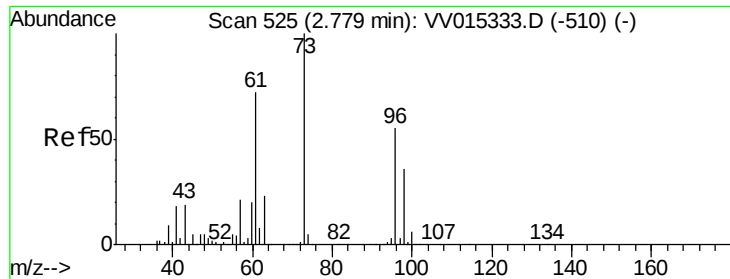
Tot Ion: 43 Resp: 236101
Ion Ratio Lower Upper
43 100
74 27.3 20.9 31.3



#16
Methylene chloride
Concen: 47.280 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV015352.D
Acq: 02 Apr 2020 00:17

Tgt Ion: 84 Resp: 259944
Ion Ratio Lower Upper
84 100
86 65.0 45.1 83.9
49 111.0 81.2 150.8





#17

trans-1,2-Dichloroethene

Concen: 48.267 ug/L

RT: 2.78 min Scan# 525

Delta R.T. -0.00 min

Lab File: VV015352.D

Acq: 02 Apr 2020 00:17

Instrument :
MSVOA_V
ClientSampled :

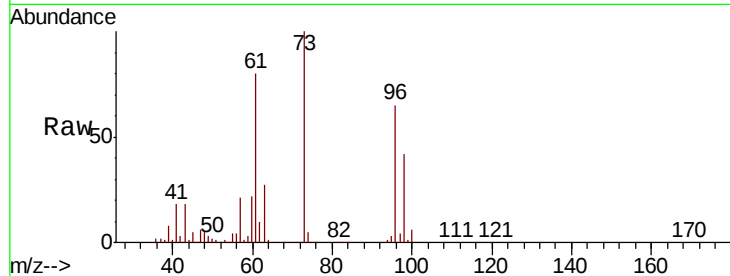
Tot Ion: 96 Resp: 239542

Ion Ratio Lower Upper

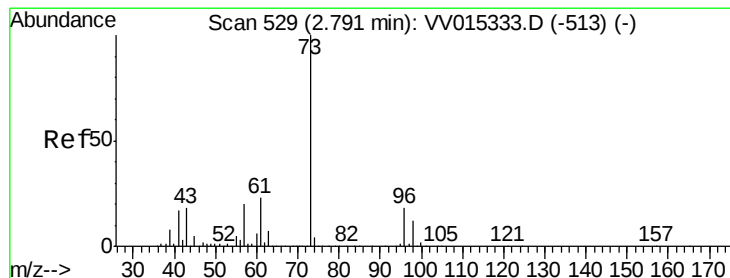
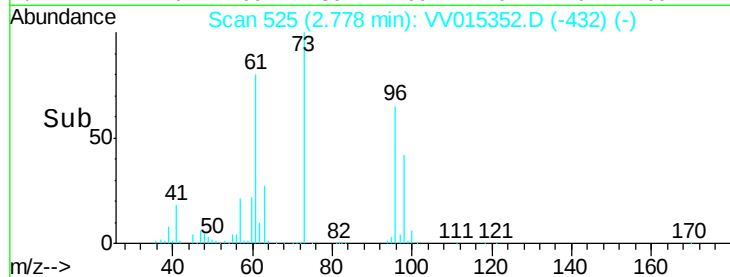
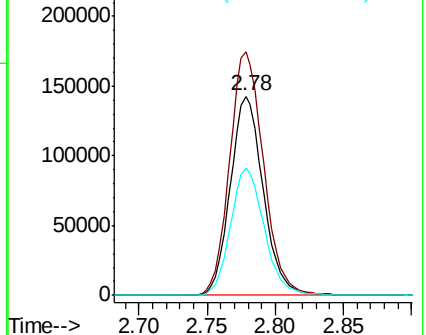
96 100

61 122.2 95.2 176.8

98 63.9 45.1 83.9



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: 47.637 ug/L

RT: 2.79 min Scan# 529

Delta R.T. -0.00 min

Lab File: VV015352.D

Acq: 02 Apr 2020 00:17

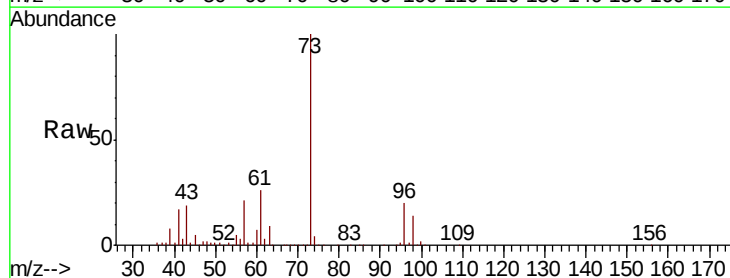
Tgt Ion: 73 Resp: 779361

Ion Ratio Lower Upper

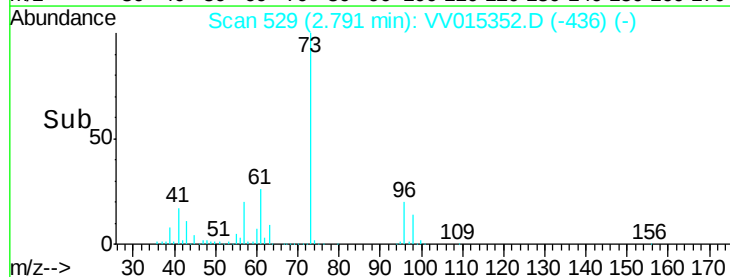
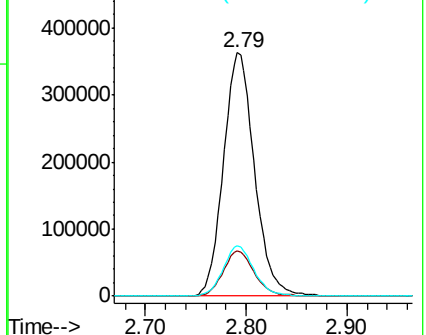
73 100

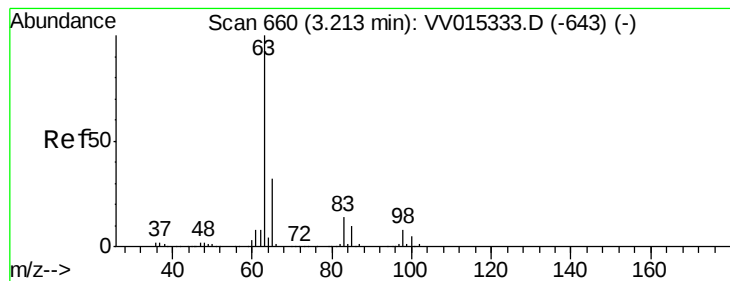
43 18.2 15.4 23.0

57 20.4 16.3 24.5



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: 46.125 ug/L

RT: 3.21 min Scan# 660

Delta R.T. -0.00 min

Lab File: VV015352.D

Acq: 02 Apr 2020 00:17

Instrument :

MSVOA_V

ClientSampleId :

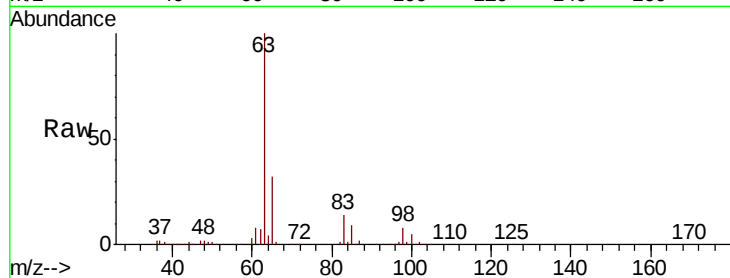
Tot Ion: 63 Resp: 416496

Ion Ratio Lower Upper

63 100

65 31.7 22.3 41.5

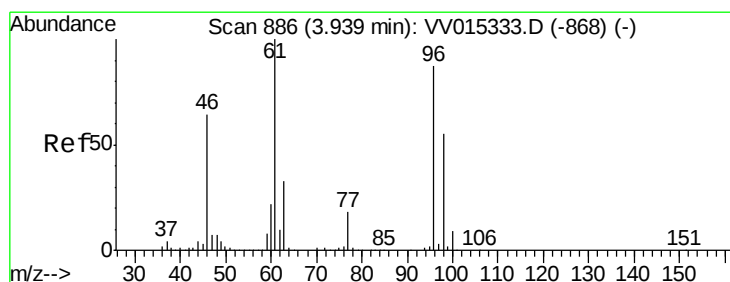
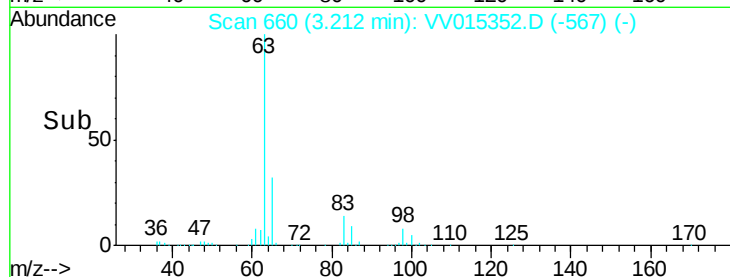
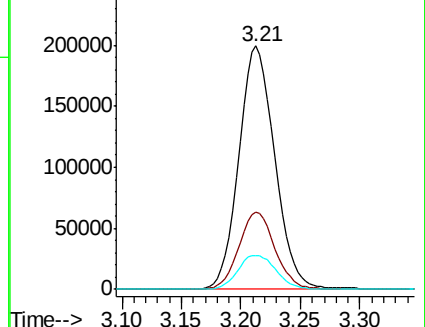
83 14.0 10.2 19.0



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: 48.185 ug/L

RT: 3.94 min Scan# 886

Delta R.T. -0.00 min

Lab File: VV015352.D

Acq: 02 Apr 2020 00:17

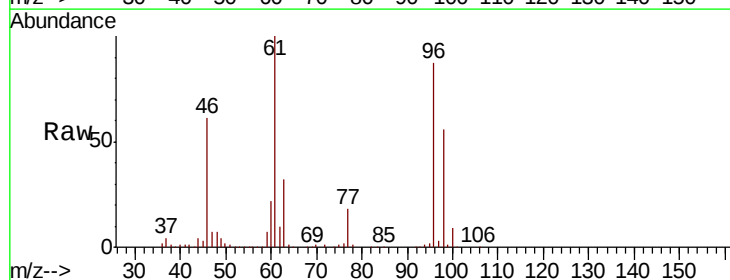
Tgt Ion: 96 Resp: 273628

Ion Ratio Lower Upper

96 100

61 115.2 86.4 160.4

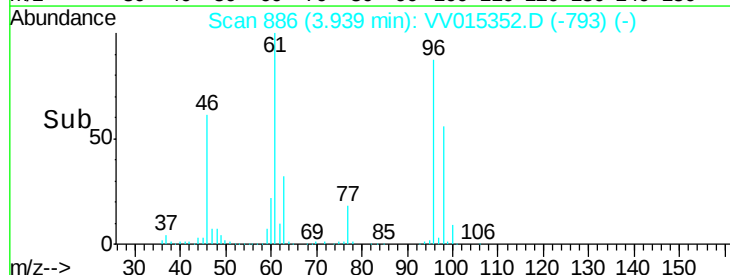
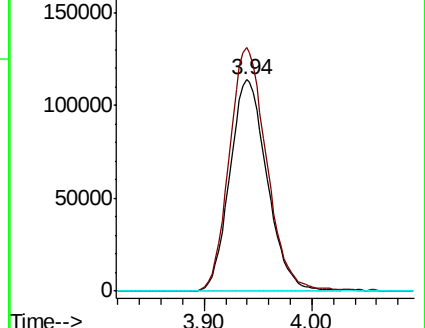
68 0.1 0.1 0.3#

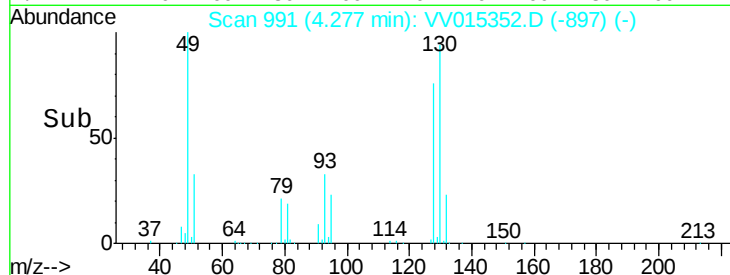
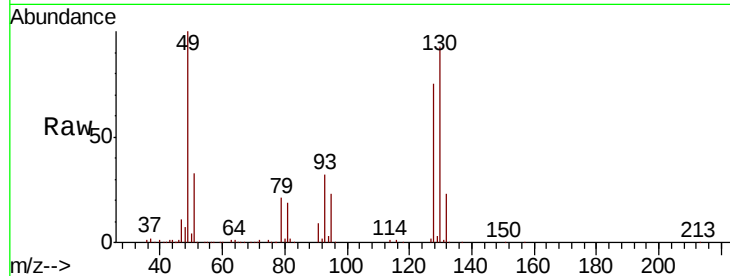
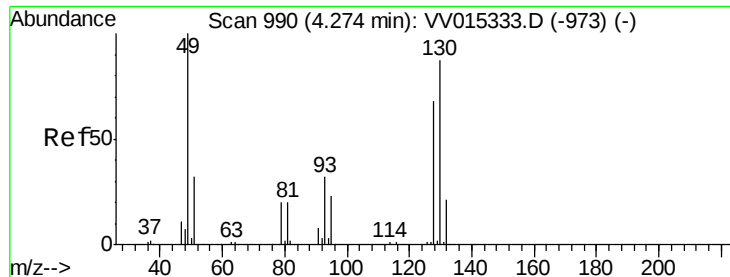


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#23

Bromochloromethane

Concen: 50.188 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VV015352.D

Acq: 02 Apr 2020 00:17

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:128 Resp: 143942

Ion Ratio Lower Upper

128 100

49 133.5 107.5 199.7

130 124.4 87.7 162.9

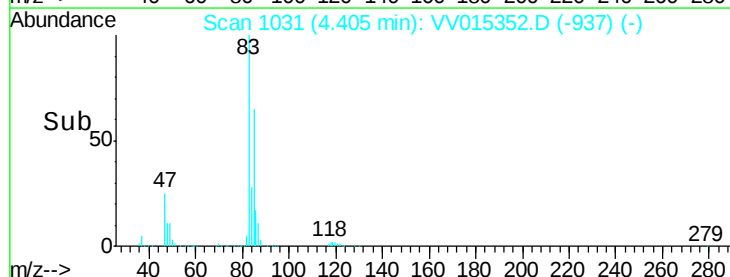
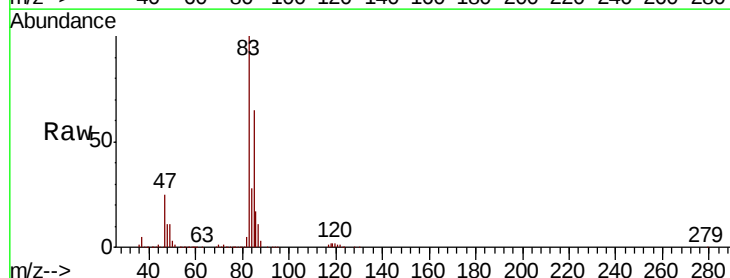
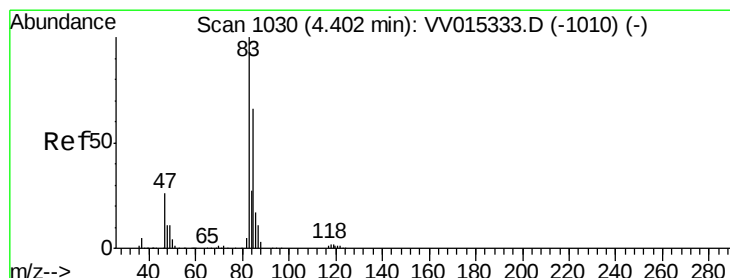
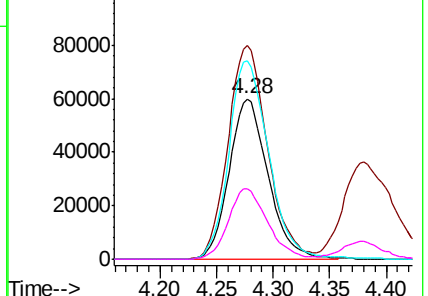
51 44.1 38.8 58.2

Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VV0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VV0



#25

Chloroform

Concen: 46.528 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VV015352.D

Acq: 02 Apr 2020 00:17

Tgt Ion: 83 Resp: 455595

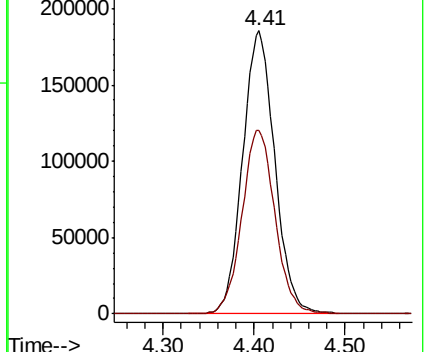
Ion Ratio Lower Upper

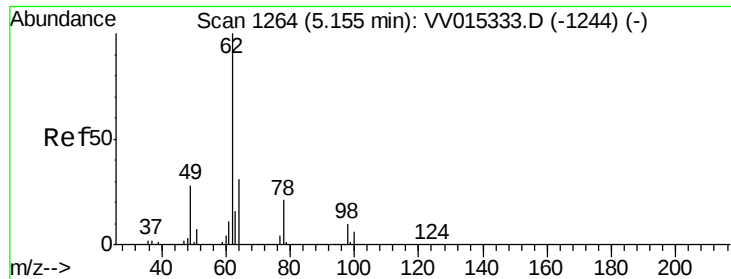
83 100

85 65.0 45.1 83.9

Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0





#27

1,2-Dichloroethane

Concen: 45.421 ug/L

RT: 5.16 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VV015352.D

Acq: 02 Apr 2020 00:17

Instrument :

MSVOA_V

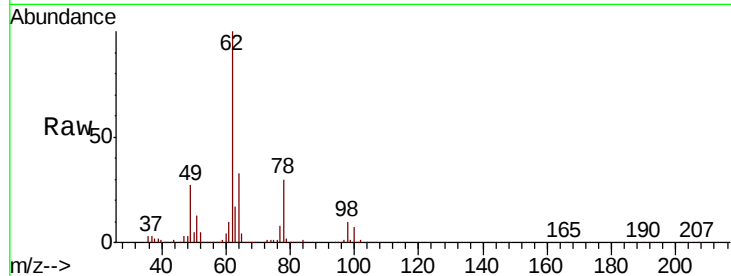
ClientSampled :

Tot Ion: 62 Resp: 334969

Ion Ratio Lower Upper

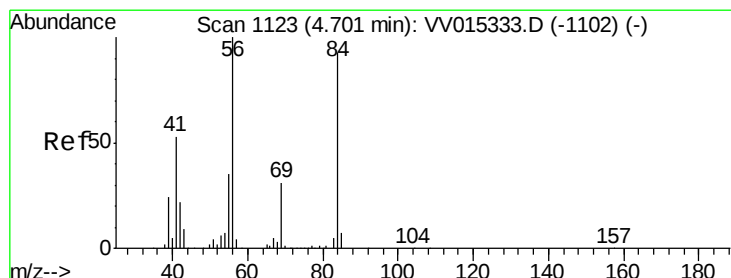
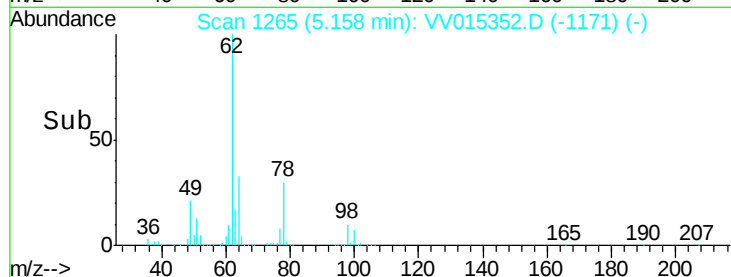
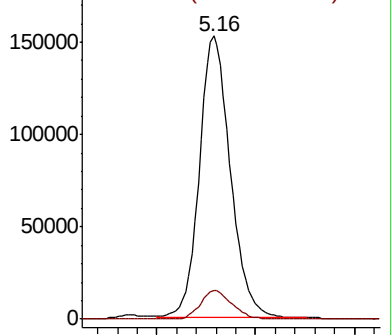
62 100

98 10.2 7.9 11.9



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#29

Cyclohexane

Concen: 43.220 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV015352.D

Acq: 02 Apr 2020 00:17

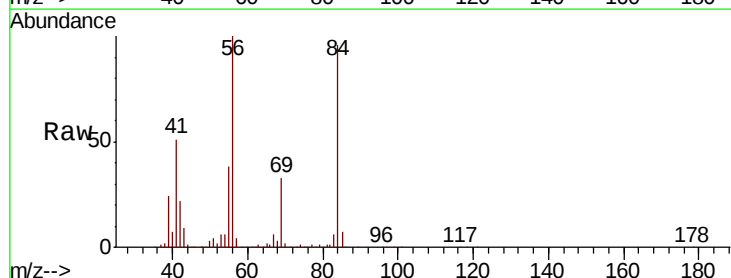
Tgt Ion: 56 Resp: 359308

Ion Ratio Lower Upper

56 100

69 32.2 25.5 38.3

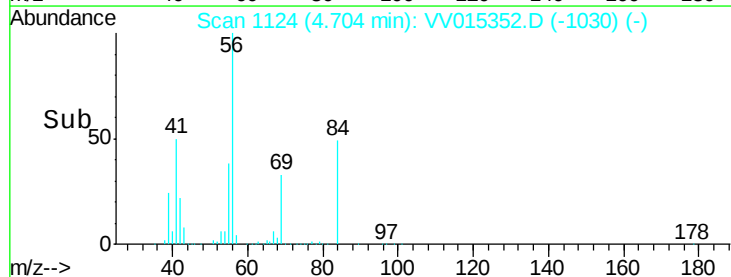
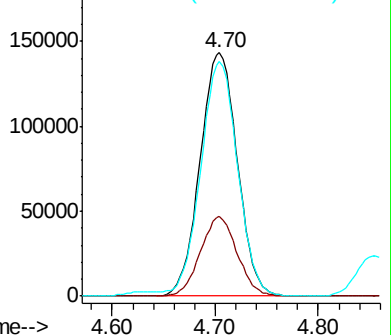
84 95.6 76.3 114.5

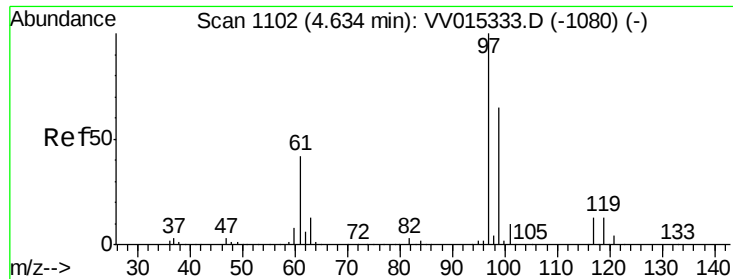


Abundance Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0



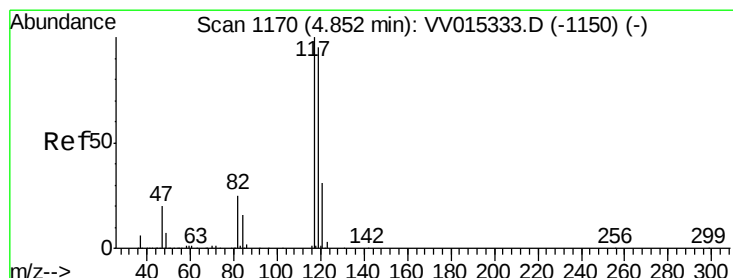
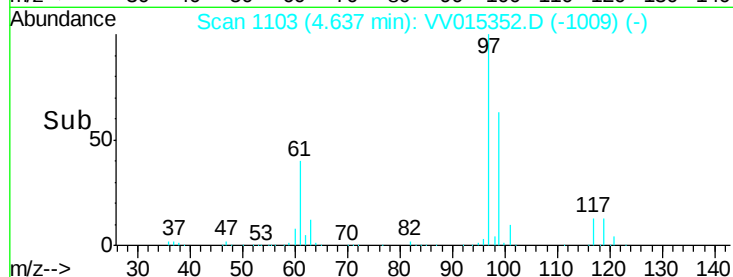
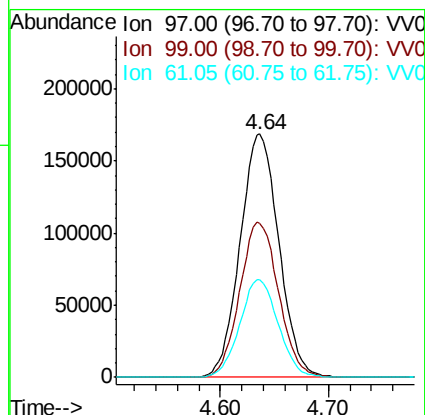
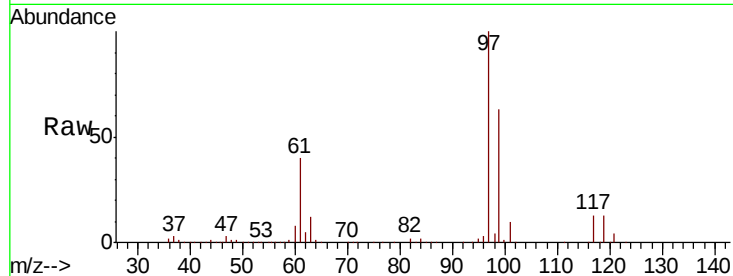


#30
 1,1,1-Trichloroethane
 Concen: 47.018 ug/L
 RT: 4.64 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VV015352.D
 Acq: 02 Apr 2020 00:17

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 97 Resp: 422177

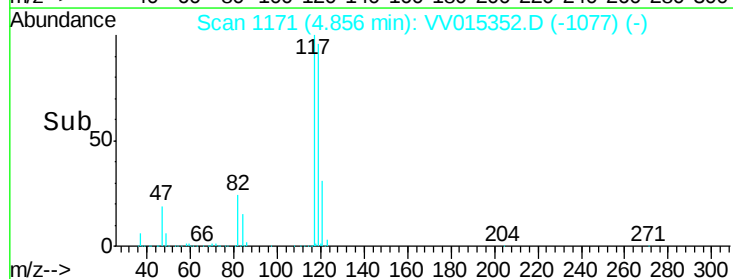
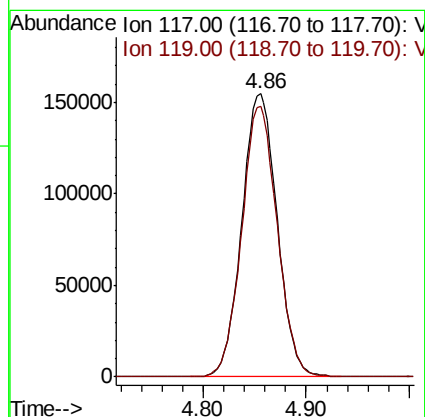
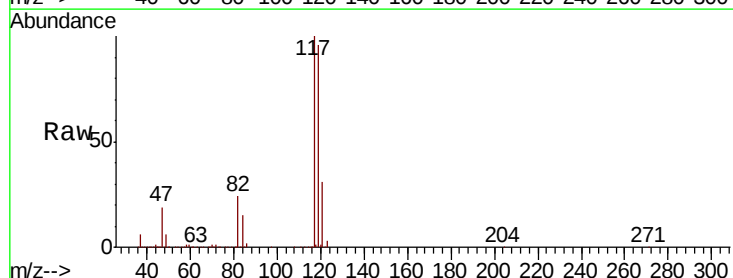
Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.6	77.4
61	39.8	33.4	50.0

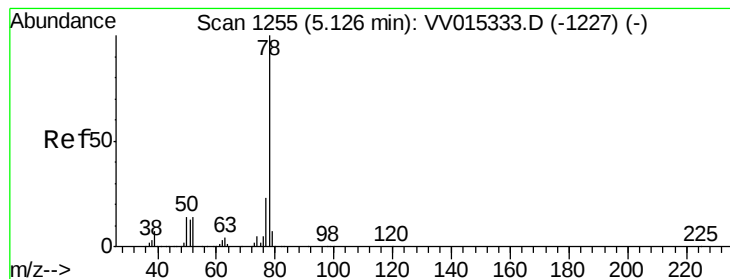


#31
 Carbon tetrachloride
 Concen: 47.983 ug/L
 RT: 4.86 min Scan# 1171
 Delta R.T. 0.00 min
 Lab File: VV015352.D
 Acq: 02 Apr 2020 00:17

Tgt Ion: 117 Resp: 368358

Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.8	115.2





#33

Benzene

Concen: 47.000 ug/L

RT: 5.13 min Scan# 1255

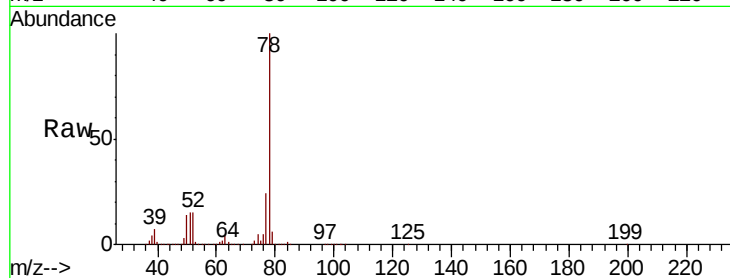
Delta R.T. -0.00 min

Lab File: VV015352.D

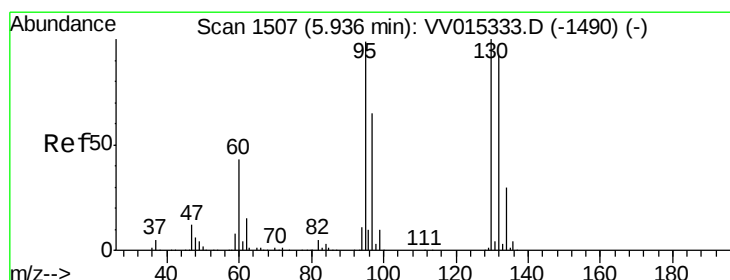
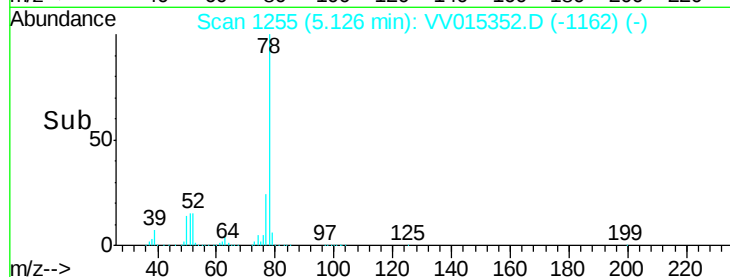
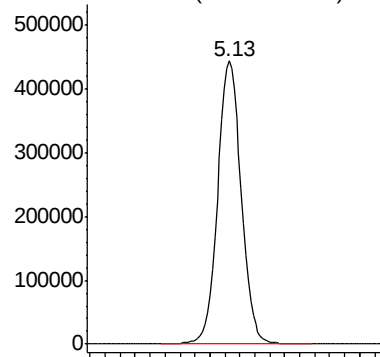
Acq: 02 Apr 2020 00:17

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 78 Resp: 972052



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 48.070 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV015352.D

Acq: 02 Apr 2020 00:17

Tgt Ion: 95 Resp: 263240

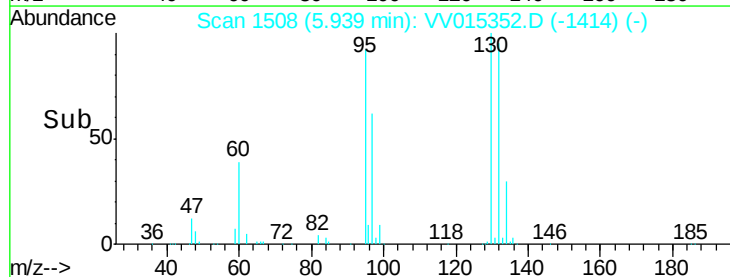
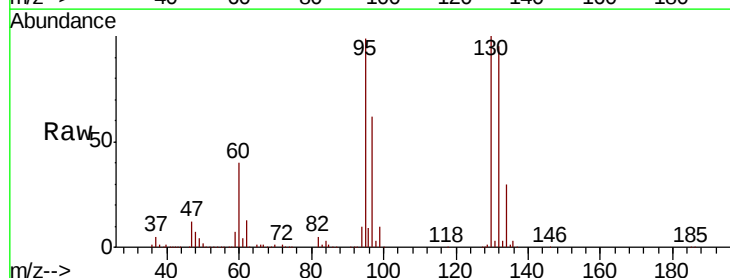
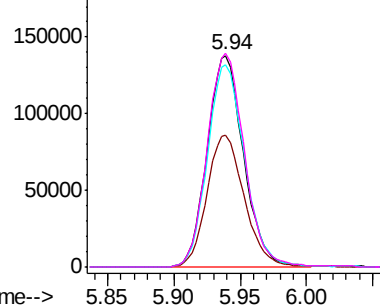
Ion	Ratio	Lower	Upper
95	100		
97	62.3	45.4	84.2
132	95.6	66.8	124.2
130	100.9	69.4	128.8

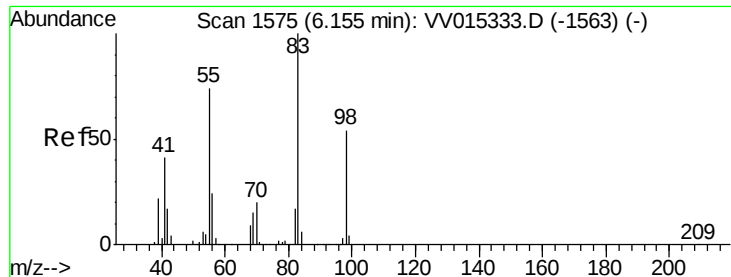
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0

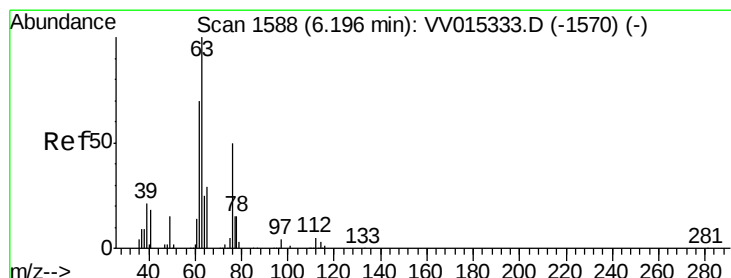
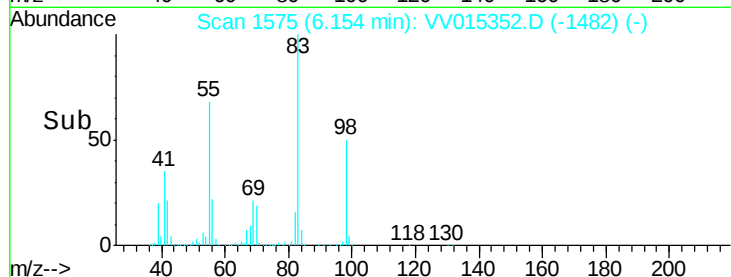
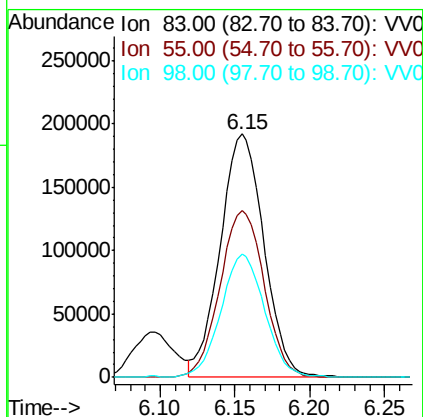
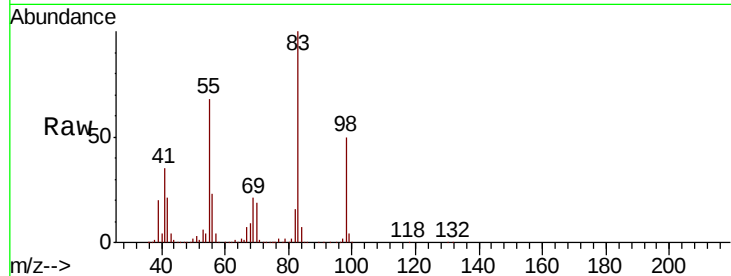




#35
Methvlcvclohexane
Concen: 43.211 ug/L
RT: 6.15 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VV015352.D
Acq: 02 Apr 2020 00:17

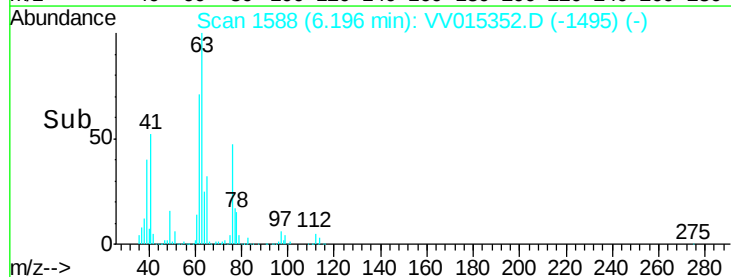
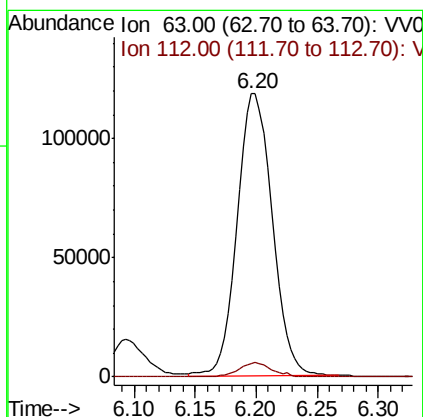
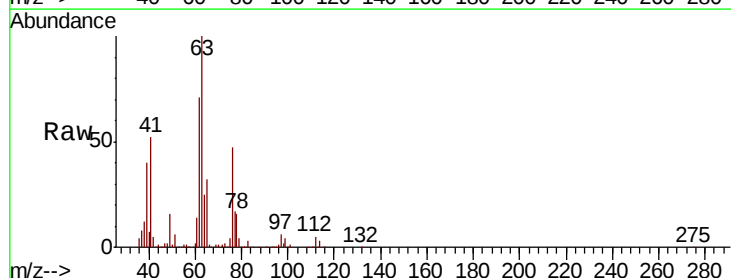
Instrument :
MSVOA_V
ClientSampleId :

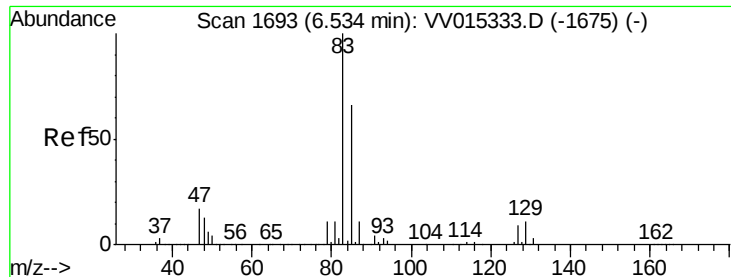
Tot Ion	83	Resp	387687
Ion Ratio	100	Lower	Upper
55	69.5	57.9	86.9
98	51.1	40.0	60.0



#37
1,2-Dichloropropane
Concen: 46.452 ug/L
RT: 6.20 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VV015352.D
Acq: 02 Apr 2020 00:17

Tgt Ion	63	Resp	235791
Ion Ratio	100	Lower	Upper
112	4.8	3.8	5.8

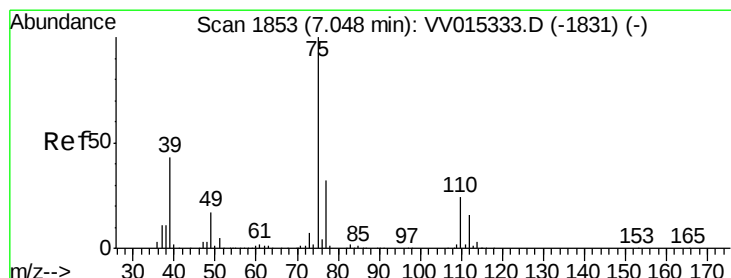
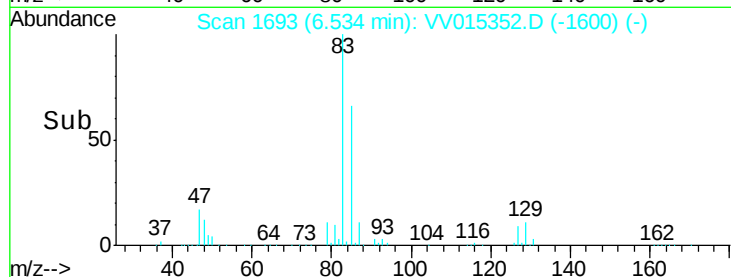
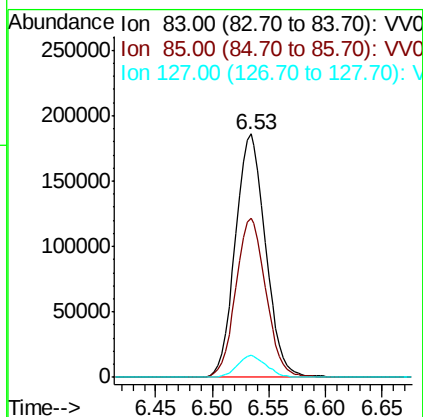
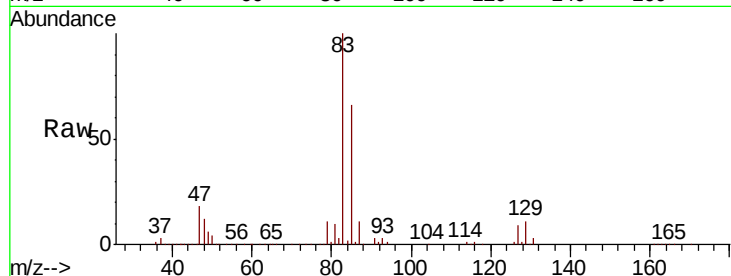




#38
 Bromodichloromethane
 Concen: 46.467 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. -0.00 min
 Lab File: VV015352.D
 Acq: 02 Apr 2020 00:17

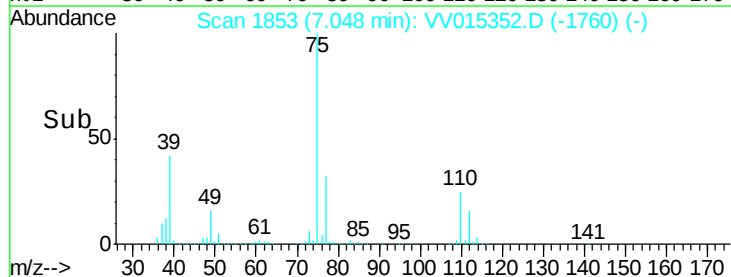
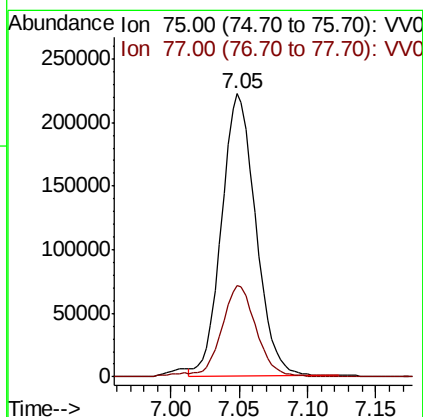
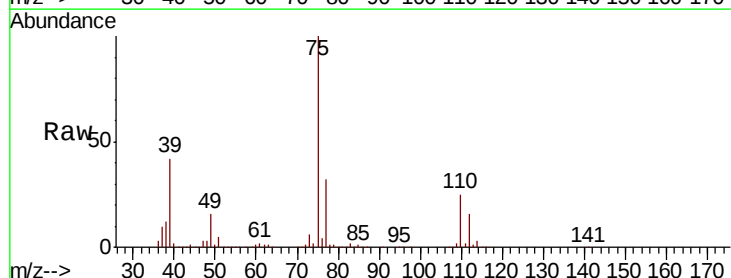
Instrument :
 MSVOA_V
 ClientSampleId :

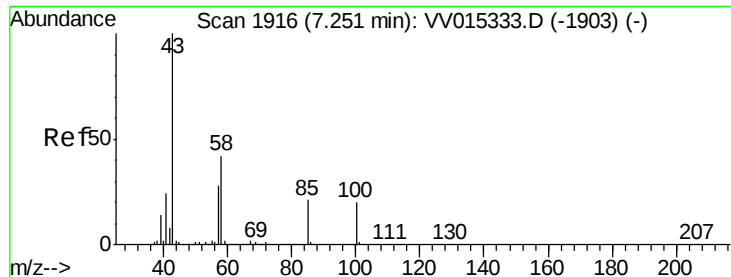
Tot Ion	83	Resp	345791
Ion	Ratio	Lower	Upper
83	100		
85	65.6	43.5	80.9
127	8.9	6.6	10.0



#39
 cis-1,3-Dichloropropene
 Concen: 45.489 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV015352.D
 Acq: 02 Apr 2020 00:17

Tgt Ion	75	Resp	388035
Ion	Ratio	Lower	Upper
75	100		
77	32.4	22.5	41.9

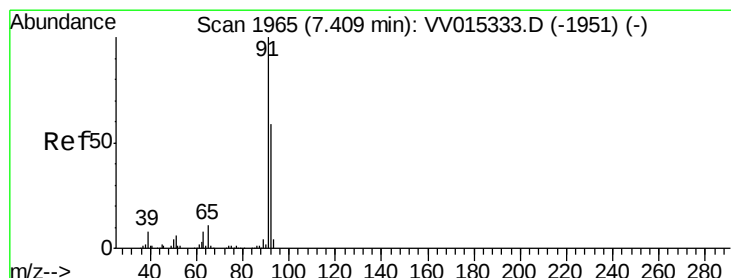
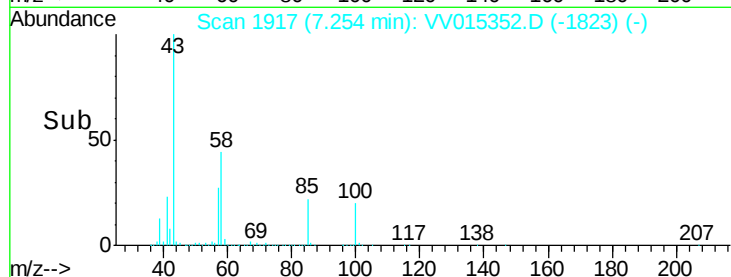
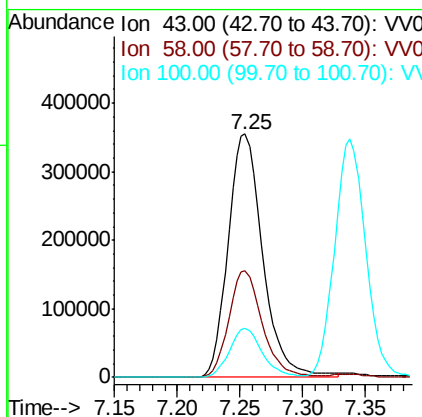
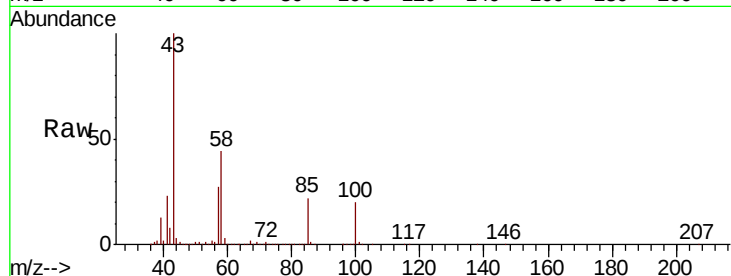




#40
4-Methyl-2-pentanone
Concen: 95.032 ug/L
RT: 7.25 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VV015352.D
Acq: 02 Apr 2020 00:17

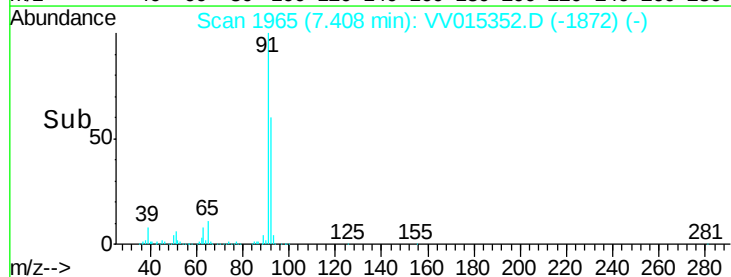
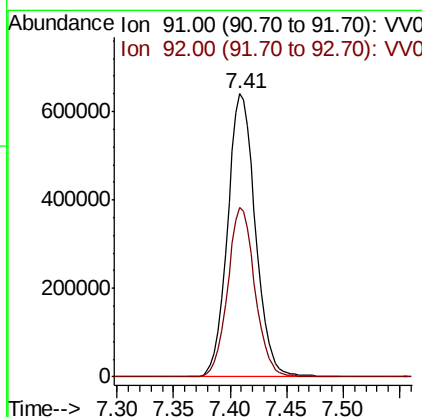
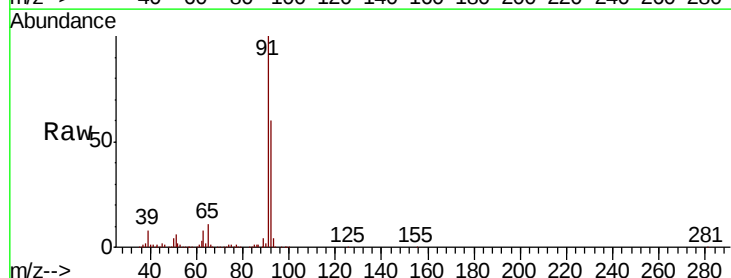
Instrument :
MSVOA_V
ClientSampleId :

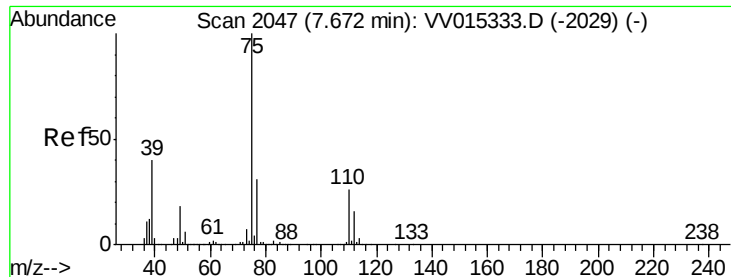
Tot Ion: 43 Resp: 678127
Ion Ratio Lower Upper
43 100
58 42.6 33.3 49.9
100 19.3 14.6 22.0



#42
Toluene
Concen: 47.636 ug/L
RT: 7.41 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VV015352.D
Acq: 02 Apr 2020 00:17

Tgt Ion: 91 Resp: 1094916
Ion Ratio Lower Upper
91 100
92 59.7 41.0 76.2





#44

trans-1,3-Dichloropropene

Concen: 45.967 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. -0.00 min

Lab File: VV015352.D

Acq: 02 Apr 2020 00:17

Instrument :

MSVOA_V

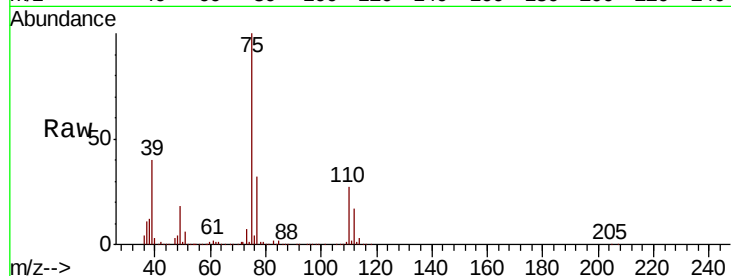
ClientSampled :

Tot Ion: 75 Resp: 381022

Ion Ratio Lower Upper

75 100

77 32.4 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.67

250000

200000

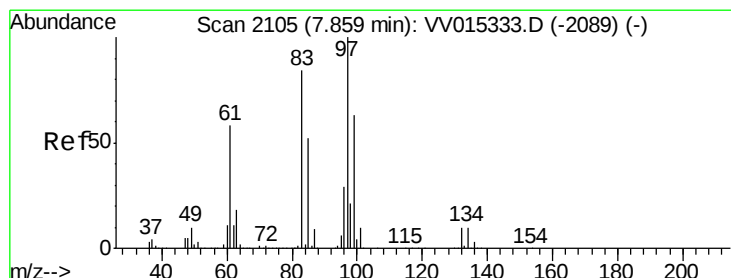
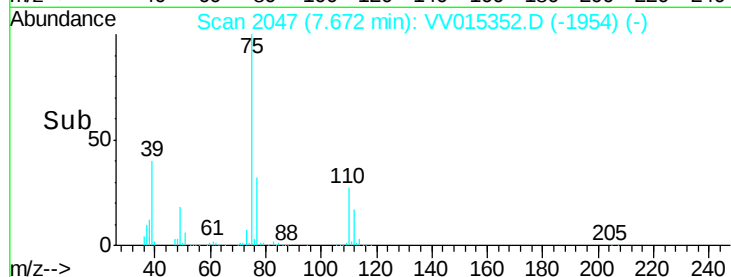
150000

100000

50000

0

Time-->



#45

1,1,2-Trichloroethane

Concen: 47.850 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VV015352.D

Acq: 02 Apr 2020 00:17

Tgt Ion: 97 Resp: 256128

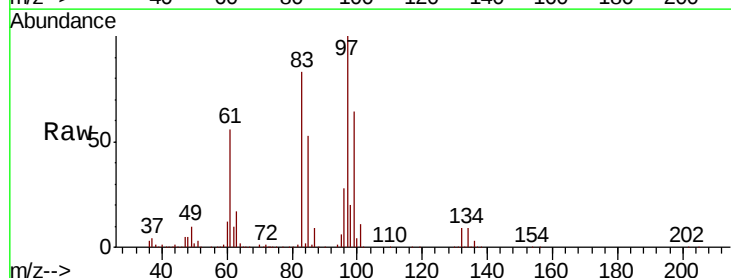
Ion Ratio Lower Upper

97 100

99 63.5 43.5 80.7

83 83.1 57.3 106.5

85 53.4 37.7 70.1



Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

200000

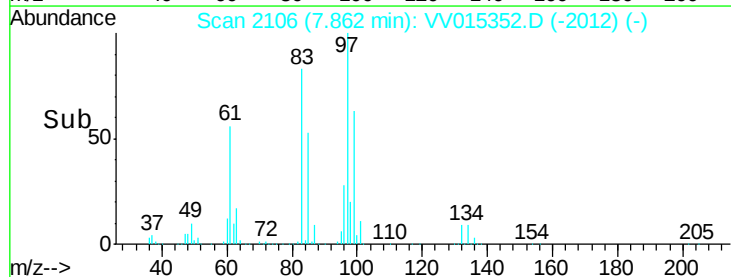
150000

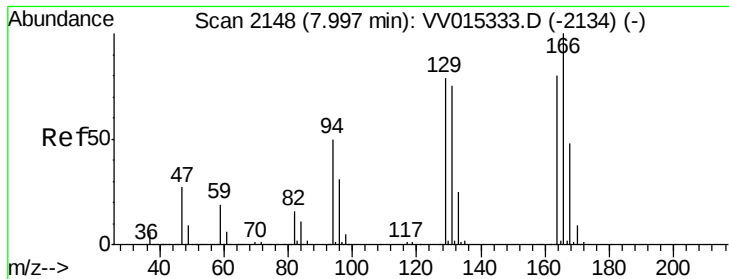
100000

50000

0

Time-->

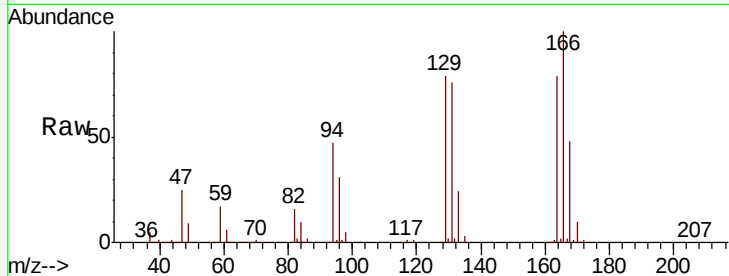




#46
Tetrachloroethene
Concen: 51.414 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.00 min
Lab File: VV015352.D
Acq: 02 Apr 2020 00:17

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	164	Resp:	201849
Ion	Ratio	Lower	Upper
164	100		
129	99.7	73.8	137.0
131	95.9	69.4	129.0
166	126.3	89.7	166.7

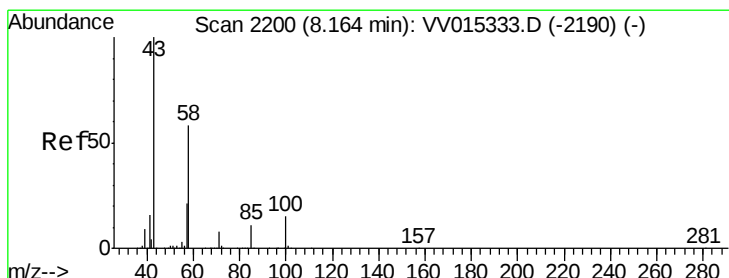
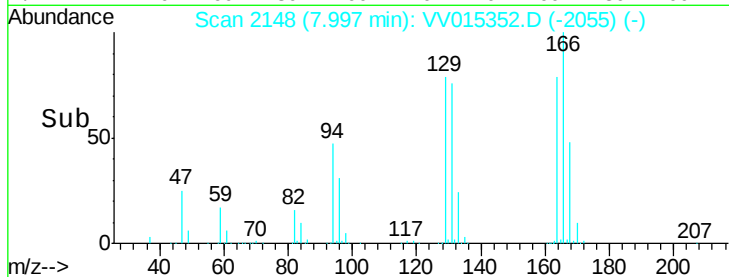
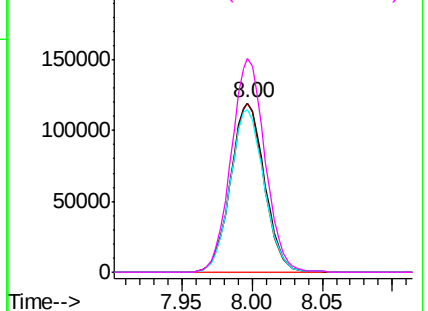


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

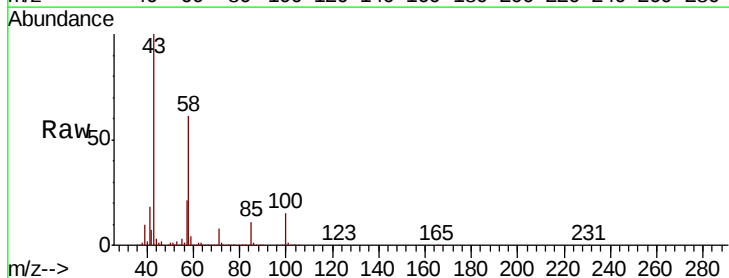
Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48
2-Hexanone
Concen: 97.300 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. -0.00 min
Lab File: VV015352.D
Acq: 02 Apr 2020 00:17

Tgt Ion:	43	Resp:	525767
Ion	Ratio	Lower	Upper
43	100		
58	59.3	47.4	71.2
57	21.1	16.7	25.1
100	15.5	11.5	17.3

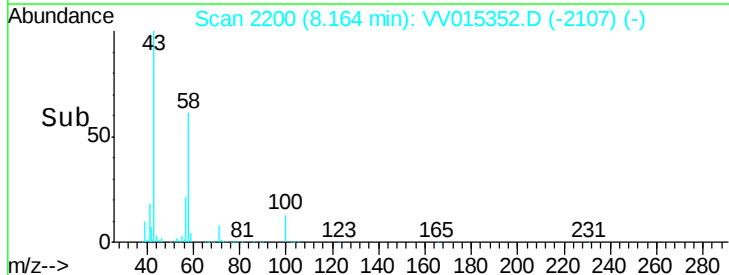
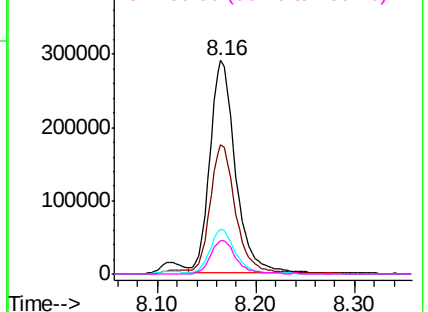


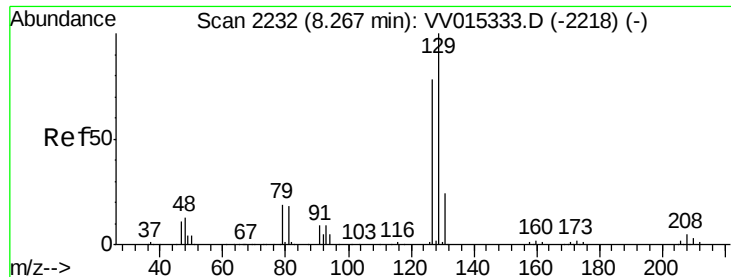
Abundance Ion 43.00 (42.70 to 43.70): VV0

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: 49.058 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. -0.00 min

Lab File: VV015352.D

Acq: 02 Apr 2020 00:17

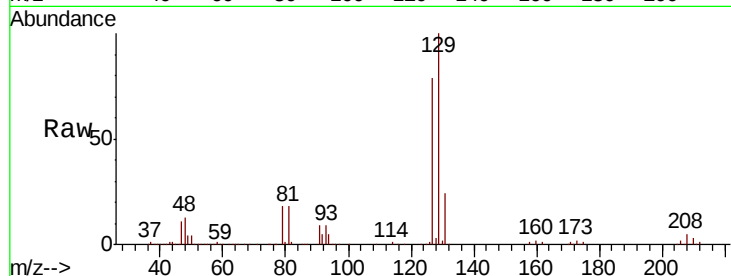
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:129 Resp: 287575

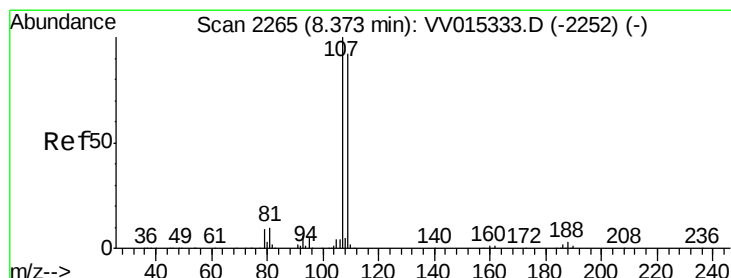
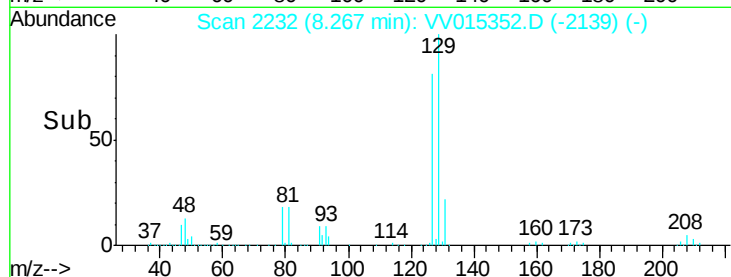
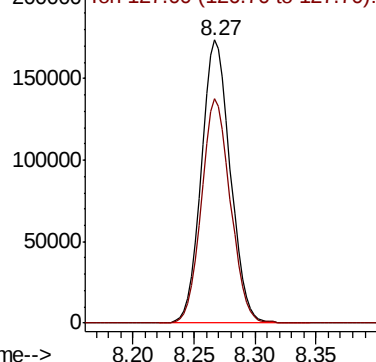
Ion Ratio Lower Upper

129 100

127 79.3 55.2 102.6



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



#50

1,2-Dibromoethane

Concen: 49.297 ug/L

RT: 8.37 min Scan# 2265

Delta R.T. -0.00 min

Lab File: VV015352.D

Acq: 02 Apr 2020 00:17

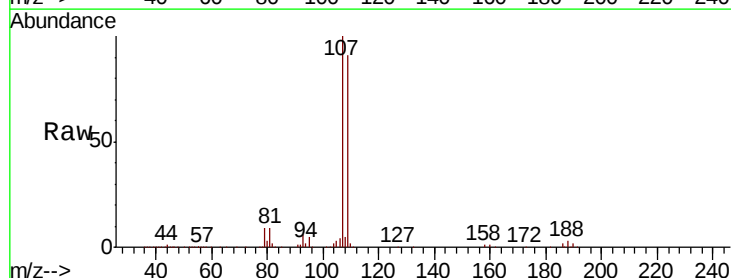
Tgt Ion:107 Resp: 281675

Ion Ratio Lower Upper

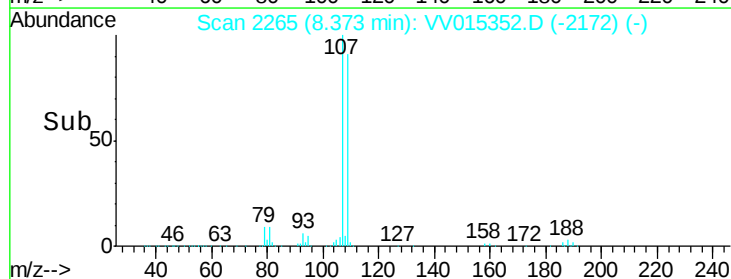
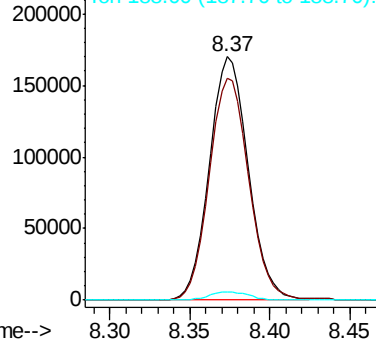
107 100

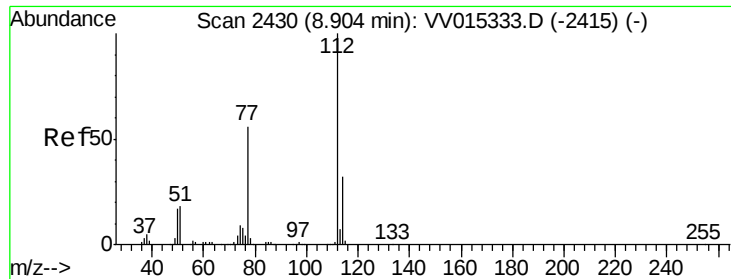
109 91.3 65.0 120.8

188 3.4 2.4 3.6



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

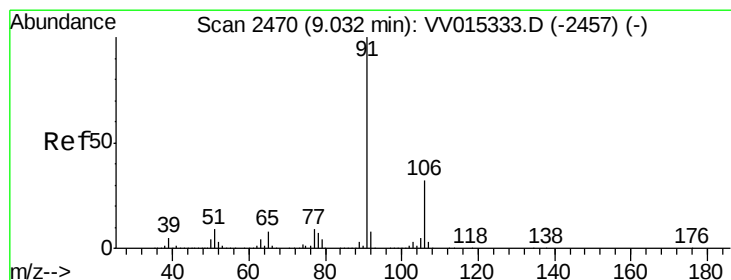
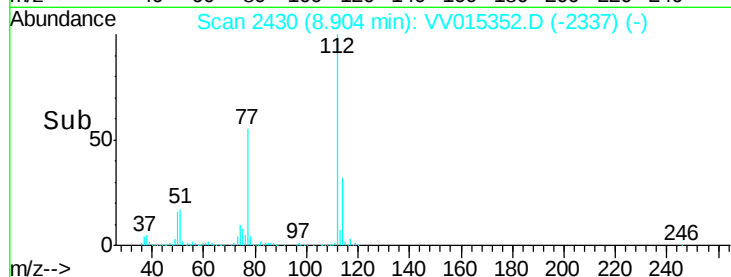
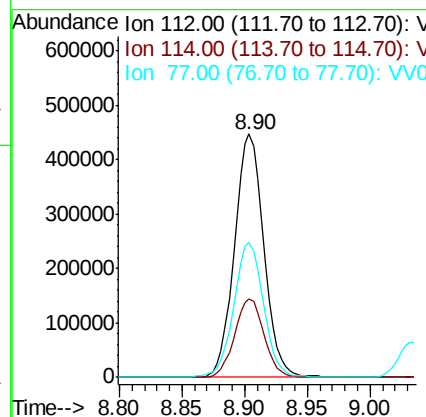
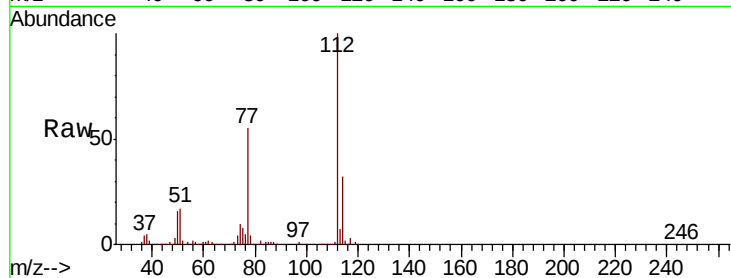




#51
Chlorobenzene
Concen: 48.158 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VV015352.D
Acq: 02 Apr 2020 00:17

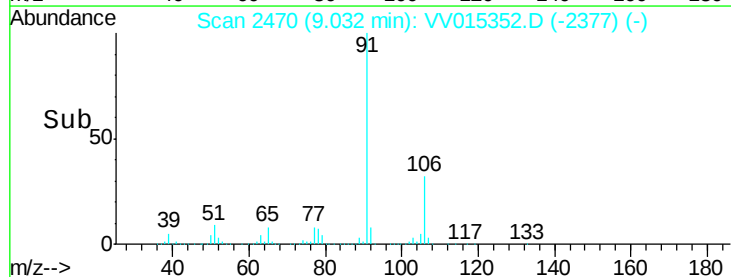
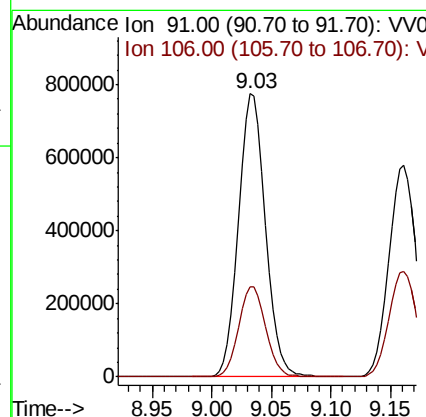
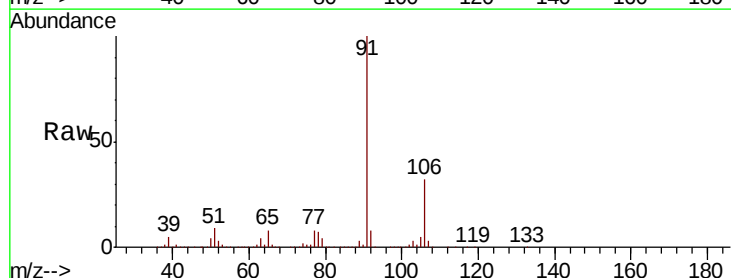
Instrument :
MSVOA_V
ClientSampled :

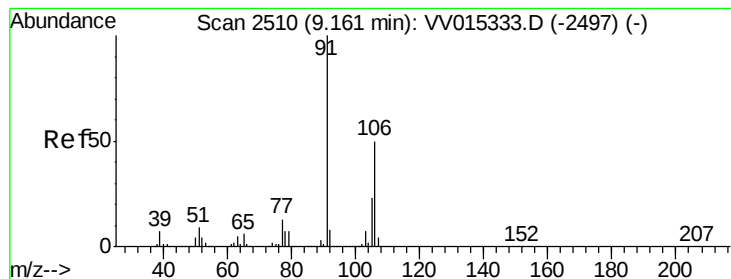
Tot Ion	Ratio	Lower	Upper
112	100		
114	32.4	21.8	40.4
77	55.4	46.2	69.2



#52
Ethylbenzene
Concen: 47.186 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. -0.00 min
Lab File: VV015352.D
Acq: 02 Apr 2020 00:17

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.0	21.8	40.6





#53

m,p-Xylene

Concen: 48.180 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. -0.00 min

Lab File: VV015352.D

Acq: 02 Apr 2020 00:17

Instrument :

MSVOA_V

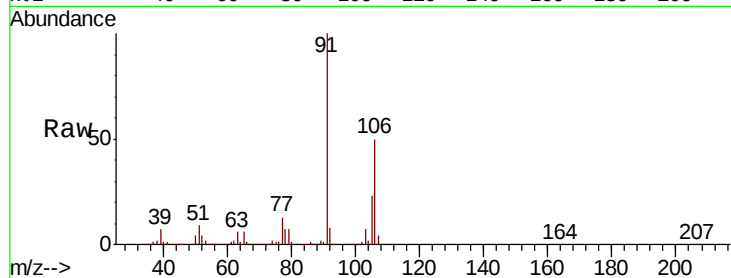
ClientSampled :

Tot Ion:106 Resp: 478625

Ion Ratio Lower Upper

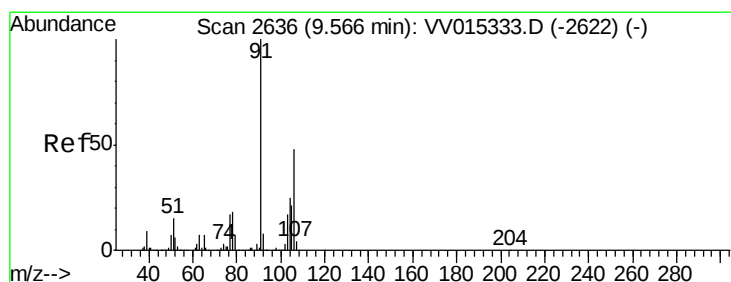
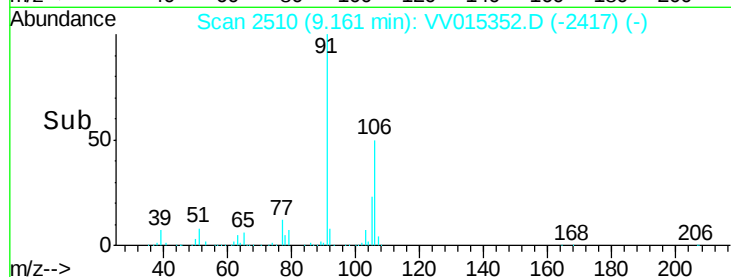
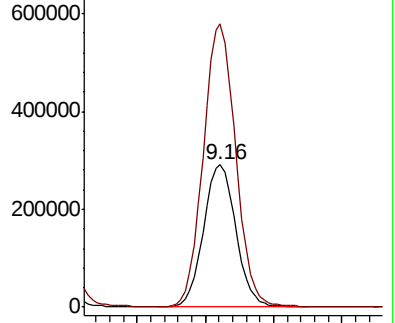
106 100

91 199.3 139.7 259.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-xylene

Concen: 48.056 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. -0.00 min

Lab File: VV015352.D

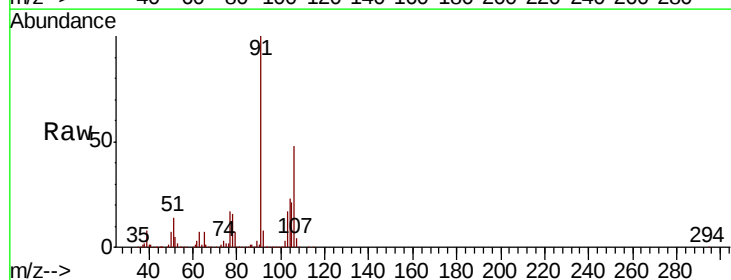
Acq: 02 Apr 2020 00:17

Tgt Ion:106 Resp: 478200

Ion Ratio Lower Upper

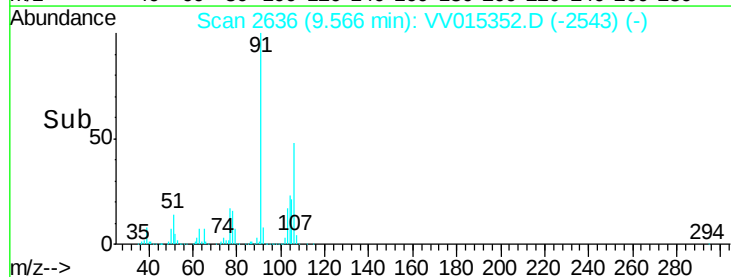
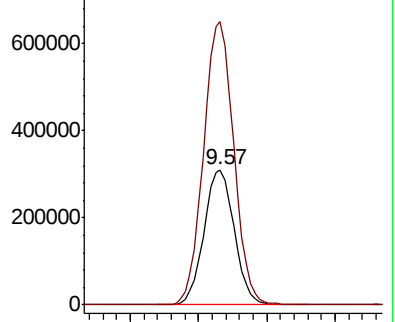
106 100

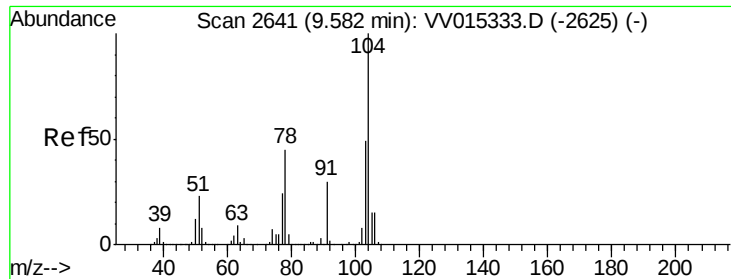
91 209.1 148.0 274.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0

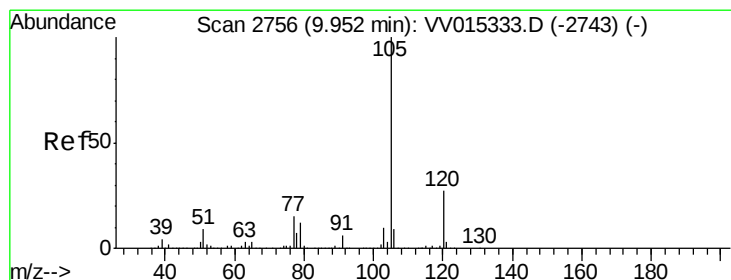
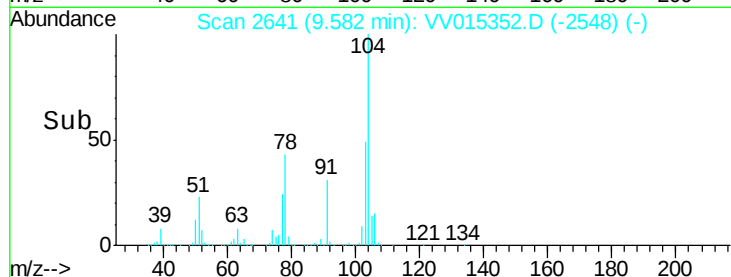
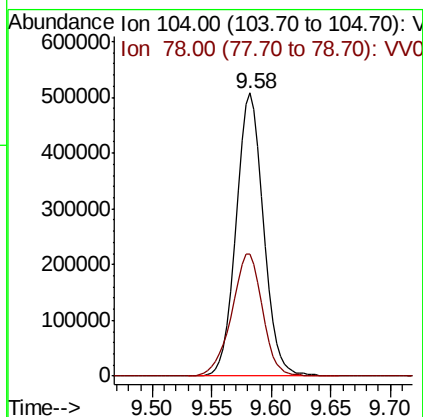
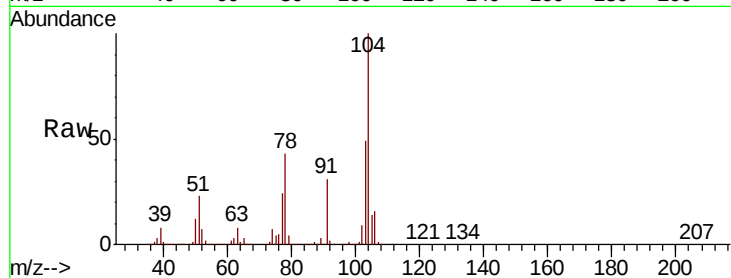




#55
Stvrene
Concen: 48.992 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. -0.00 min
Lab File: VV015352.D
Acq: 02 Apr 2020 00:17

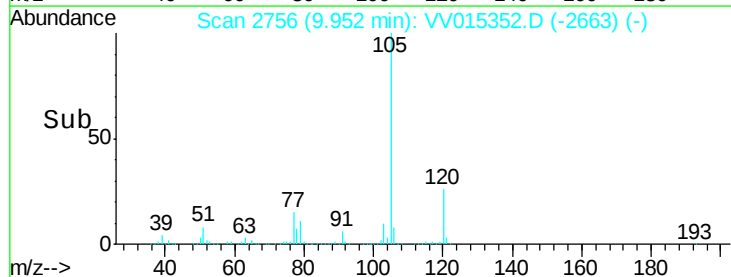
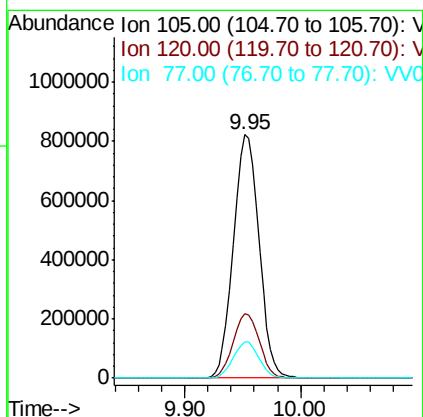
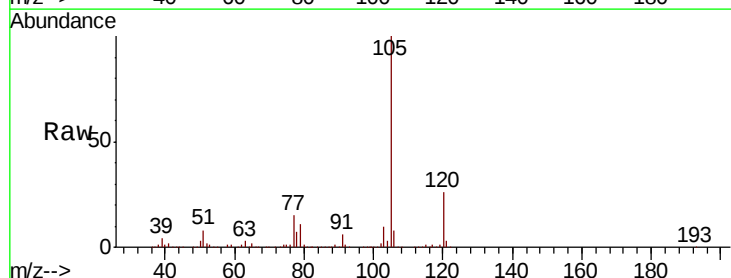
Instrument :
MSVOA_V
ClientSampleId :

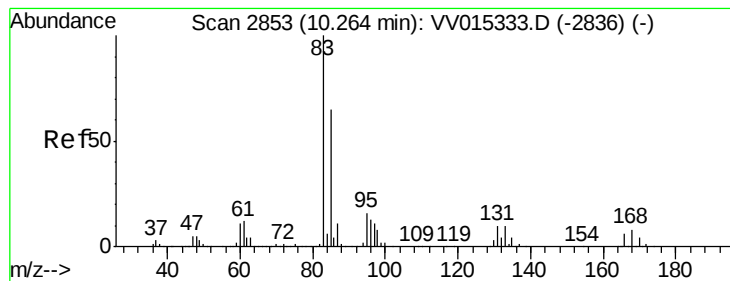
Tot Ion:104 Resp: 810671
Ion Ratio Lower Upper
104 100
78 43.2 31.5 58.5



#56
Isopropylbenzene
Concen: 48.619 ug/L
RT: 9.95 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VV015352.D
Acq: 02 Apr 2020 00:17

Tgt Ion:105 Resp: 1253229
Ion Ratio Lower Upper
105 100
120 26.8 21.4 32.0
77 14.9 12.4 18.6





#58

1,1,2,2-Tetrachloroethane

Concen: 47.086 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV015352.D

Acq: 02 Apr 2020 00:17

Instrument :

MSVOA_V

ClientSampleId :

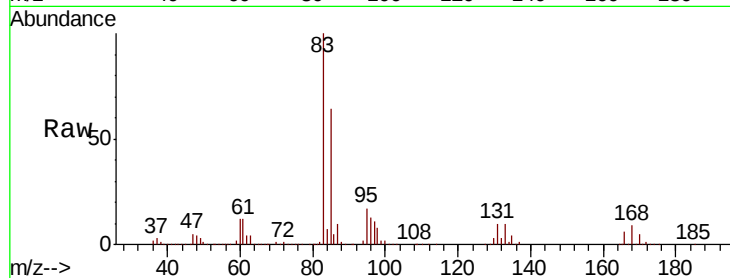
Tot Ion: 83 Resp: 404630

Ion Ratio Lower Upper

83 100

85 64.3 45.4 84.4

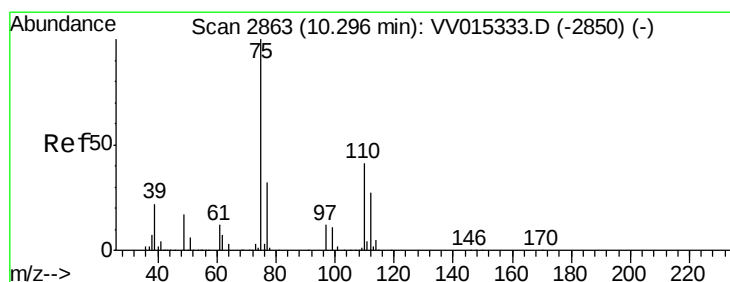
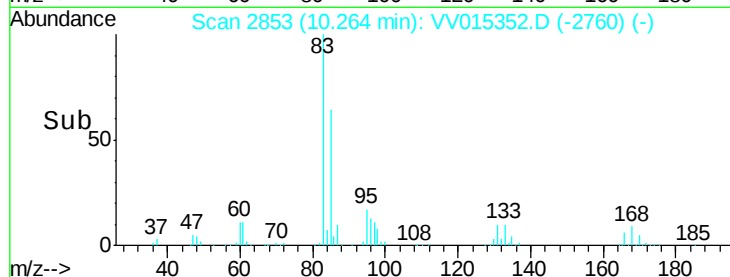
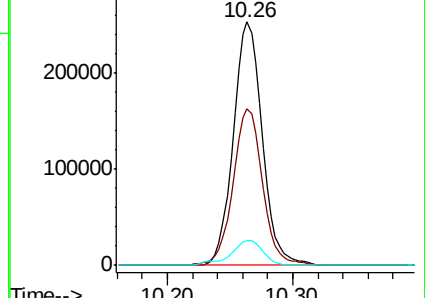
131 10.4 8.0 12.0



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): VV0



#59

1,2,3-Trichloropropane

Concen: 46.660 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VV015352.D

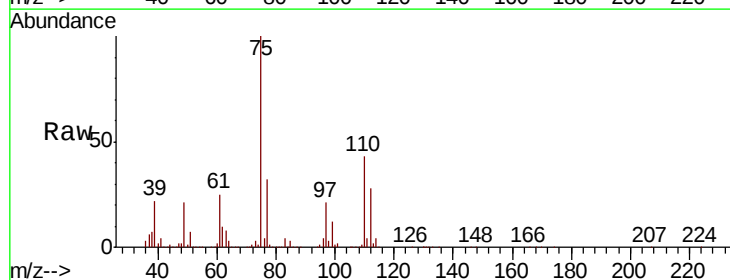
Acq: 02 Apr 2020 00:17

Tgt Ion: 75 Resp: 319802

Ion Ratio Lower Upper

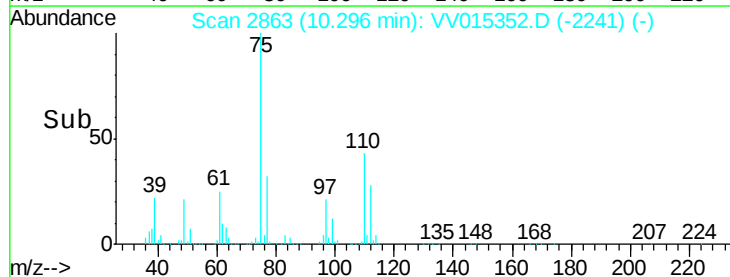
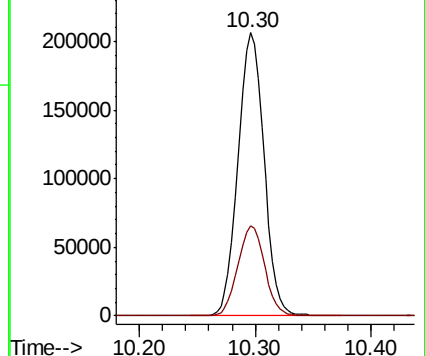
75 100

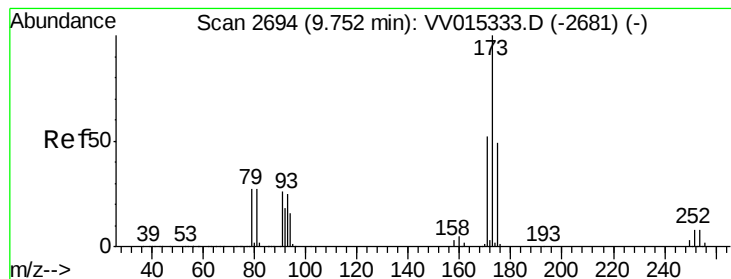
77 32.4 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#61

Bromoform

Concen: 49.024 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV015352.D

Acq: 02 Apr 2020 00:17

Instrument :
MSVOA_V
ClientSampleId :

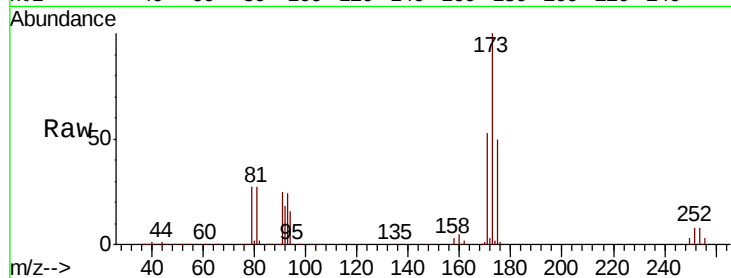
Tot Ion:173 Resp: 188980

Ion Ratio Lower Upper

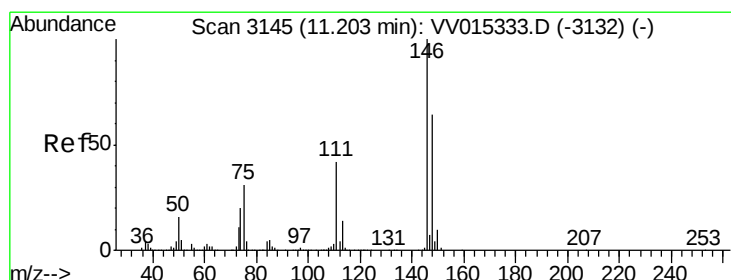
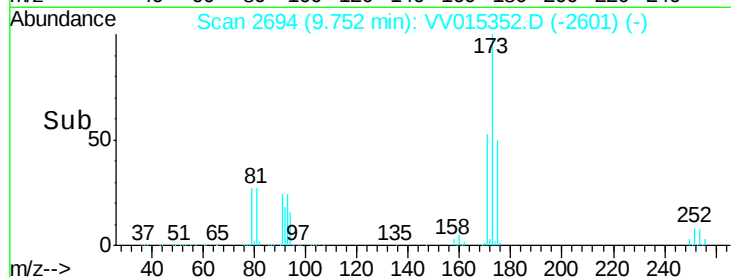
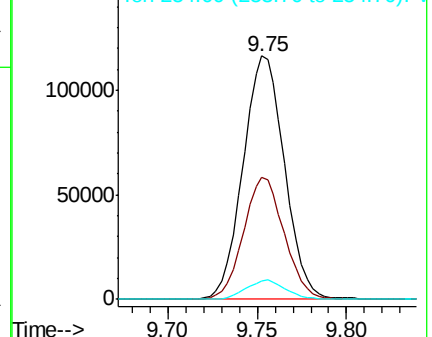
173 100

175 49.6 39.0 58.6

254 7.7 5.9 8.9



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#62

1,3-Dichlorobenzene

Concen: 49.194 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV015352.D

Acq: 02 Apr 2020 00:17

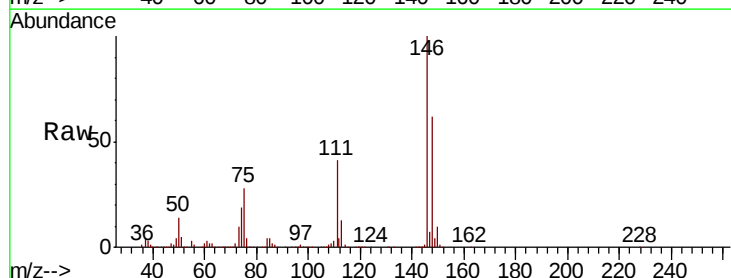
Tgt Ion:146 Resp: 571543

Ion Ratio Lower Upper

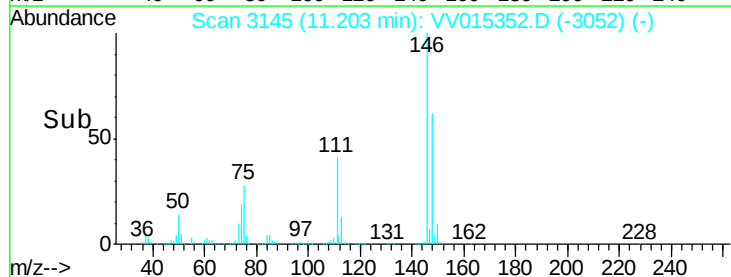
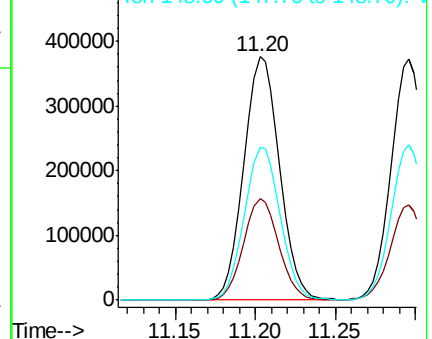
146 100

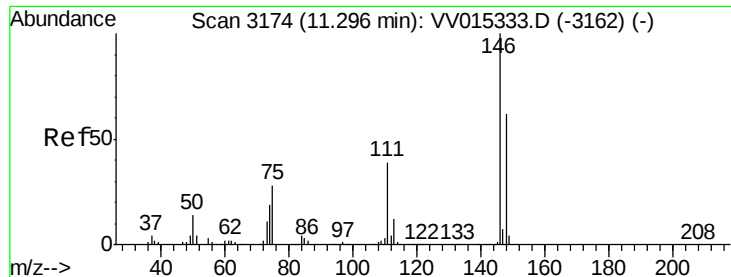
111 41.5 30.2 56.2

148 62.5 44.7 83.1



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

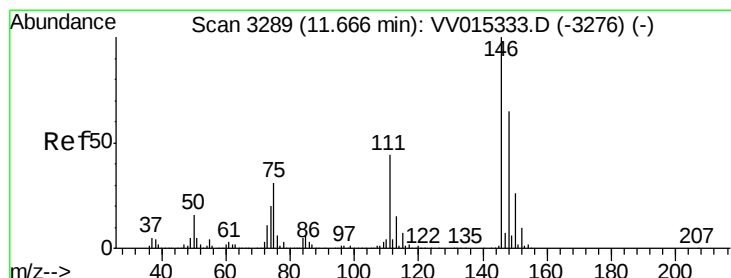
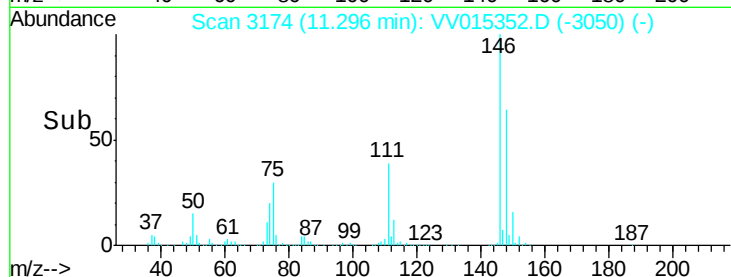
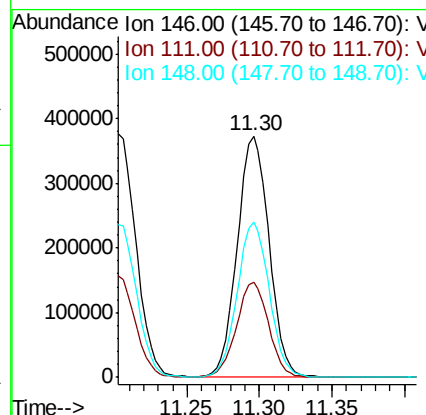
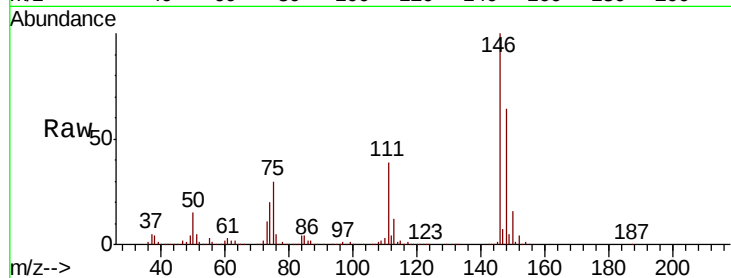




#63
 1,4-Dichlorobenzene
 Concen: 48.338 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. -0.00 min
 Lab File: VV015352.D
 Acq: 02 Apr 2020 00:17

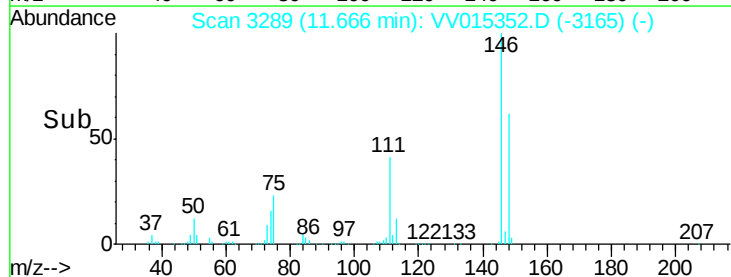
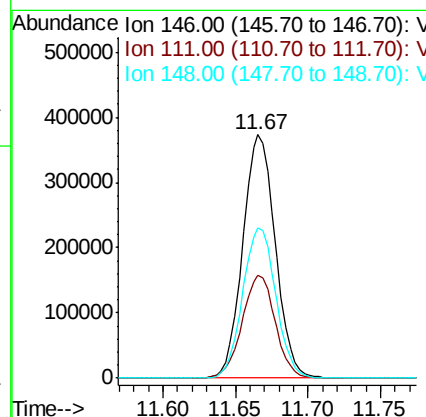
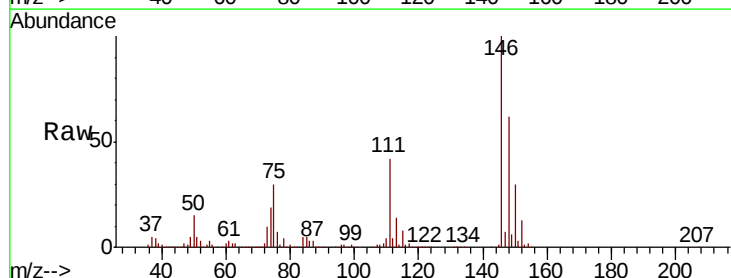
Instrument :
 MSVOA_V
 ClientSampleId :

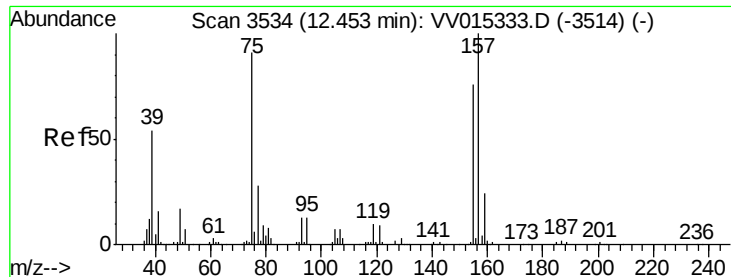
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	29.3	54.5
148	64.5	44.7	82.9



#65
 1,2-Dichlorobenzene
 Concen: 49.022 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV015352.D
 Acq: 02 Apr 2020 00:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.1	35.1	52.7
148	61.8	51.0	76.4





#66

1,2-Dibromo-3-chloropropane

Concen: 43.466 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. -0.00 min

Lab File: VV015352.D

Acq: 02 Apr 2020 00:17

Instrument :

MSVOA_V

ClientSampleId :

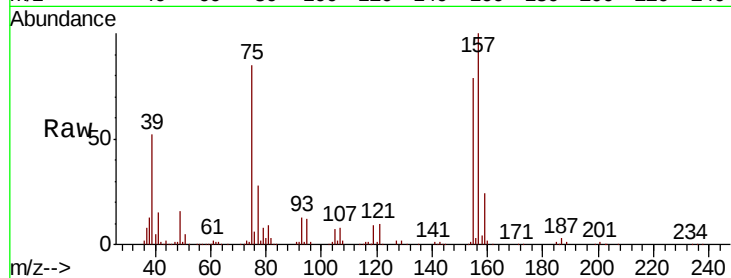
Tot Ion: 75 Resp: 101706

Ion Ratio Lower Upper

75 100

155 92.3 64.5 96.7

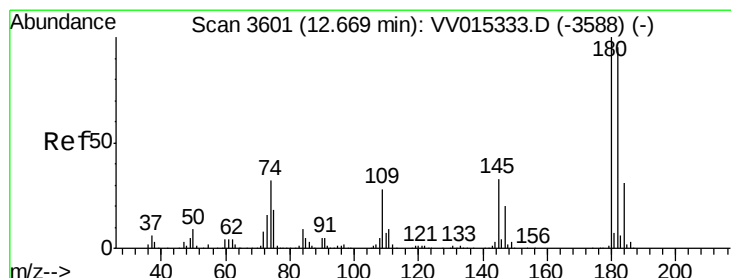
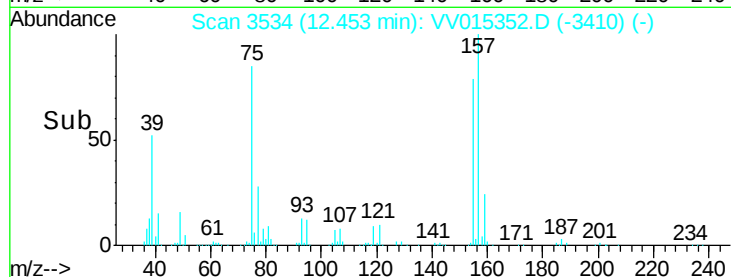
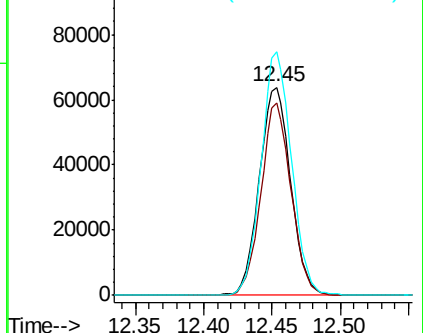
157 117.1 79.8 119.6



Abundance Ion 75.00 (74.70 to 75.70): VV015333.D (-3514) (-)

Ion 155.00 (154.70 to 155.70): VV015333.D (-3514) (-)

Ion 157.00 (156.70 to 157.70): VV015333.D (-3514) (-)



#67

1,3,5-Trichlorobenzene

Concen: 49.294 ug/L

RT: 12.67 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VV015352.D

Acq: 02 Apr 2020 00:17

Tgt Ion: 180 Resp: 379550

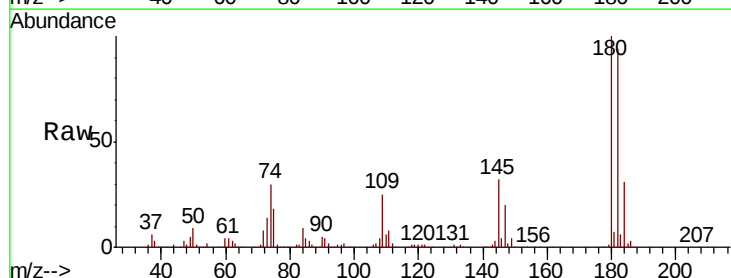
Ion Ratio Lower Upper

180 100

182 95.0 74.7 112.1

184 30.4 23.7 35.5

145 31.6 26.8 40.2

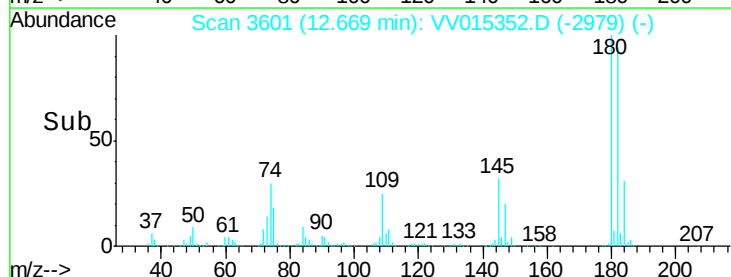
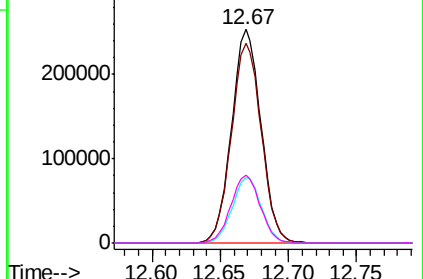


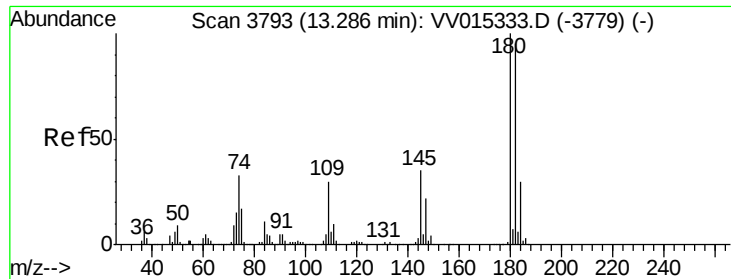
Abundance Ion 180.00 (179.70 to 180.70): VV015333.D (-3588) (-)

Ion 182.00 (181.70 to 182.70): VV015333.D (-3588) (-)

Ion 184.00 (183.70 to 184.70): VV015333.D (-3588) (-)

Ion 145.00 (144.70 to 145.70): VV015333.D (-3588) (-)

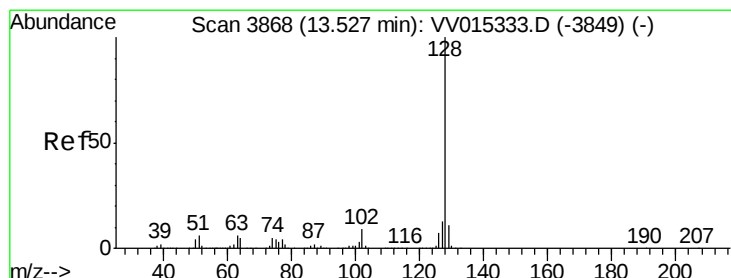
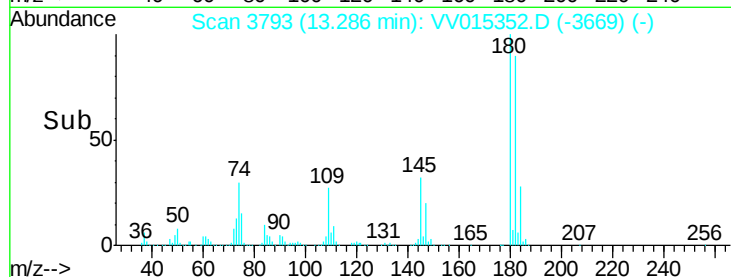
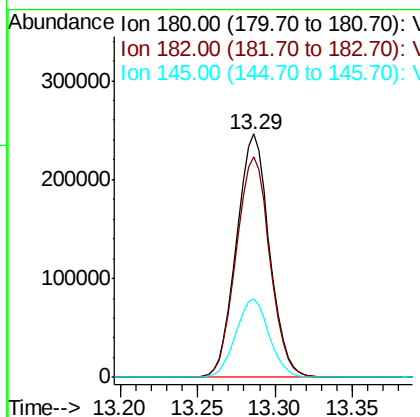
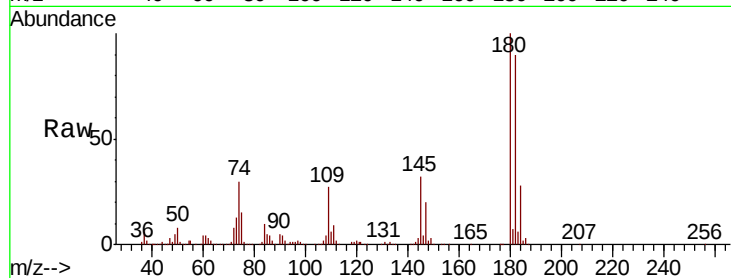




#68
 1,2,4-trichlorobenzene
 Concen: 51.720 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. -0.00 min
 Lab File: VV015352.D
 Acq: 02 Apr 2020 00:17

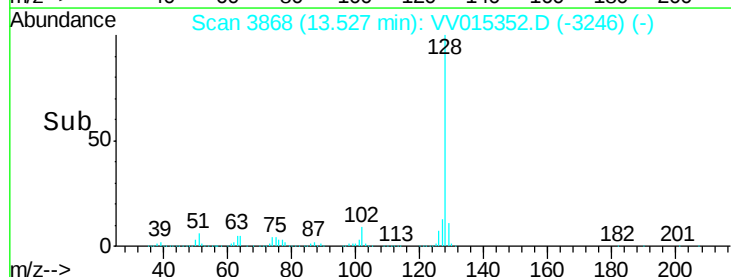
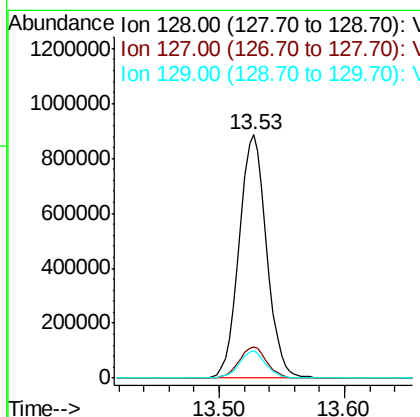
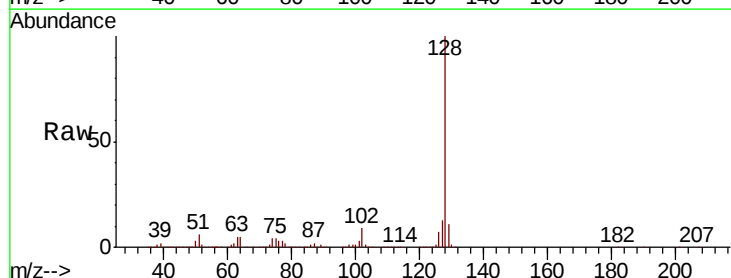
Instrument :
 MSVOA_V
 ClientSampleId :

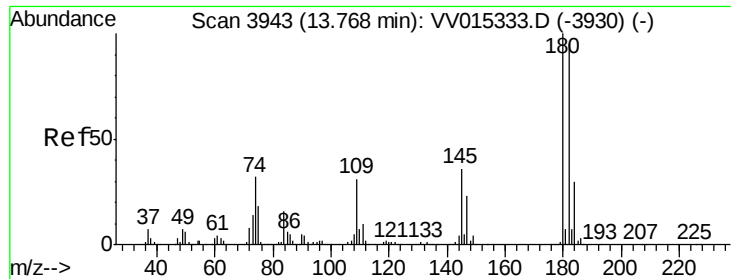
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.2	75.8	113.8
145	32.7	27.7	41.5



#69
 Naphthalene
 Concen: 50.105 ug/L
 RT: 13.53 min Scan# 3868
 Delta R.T. -0.00 min
 Lab File: VV015352.D
 Acq: 02 Apr 2020 00:17

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.7	8.6	13.0





#70
 1,2,3-Trichlorobenzene
 Concen: 50.667 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VV015352.D
 Acq: 02 Apr 2020 00:17

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	180	Resp:	367070
Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.1	114.1
145	35.7	28.2	42.4

