

Data File : VV015950.D
Acq On : 07 May 2020 19:51
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00559

Quant Time: May 08 05:17:30 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 08 05:09:03 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	150473	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	147480	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	74885	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	39064	4.79	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.80%
7) Chloroethane-d5	1.58	69	36991	4.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.60%
11) 1,1-Dichloroethene-d2	2.13	63	85205	4.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.00%
20) 2-Butanone-d5	3.92	46	121581	52.21	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.42%
24) Chloroform-d	4.38	84	89509	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
26) 1,2-Dichloroethane-d4	5.06	65	50857	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.40%
32) Benzene-d6	5.08	84	176032	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
36) 1,2-Dichloropropane-d6	6.09	67	53733	5.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.40%
41) Toluene-d8	7.34	98	166535	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.40%
45) trans-1,3-Dichloropropene-	7.64	79	20420	4.86	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.20%
48) 2-Hexanone-d5	8.11	63	93267	50.50	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.00%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	38610	5.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.40%
65) 1,2-Dichlorobenzene-d4	11.65	152	60471	4.98	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	58992	5.116	ug/L 98
3) Chloromethane	1.25	50	59672	5.112	ug/L 99
5) Vinyl chloride	1.32	62	58238	5.217	ug/L 99
6) Bromomethane	1.53	94	32371	5.110	ug/L 98
8) Chloroethane	1.60	64	36860	4.635	ug/L 93
9) Trichlorofluoromethane	1.77	101	81199	5.303	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	44203	5.111	ug/L 98
12) 1,1-Dichloroethene	2.13	96	42173	5.093	ug/L 94
13) Acetone	2.21	43	79526	51.772	ug/L 69
14) Carbon disulfide	2.31	76	137279	5.021	ug/L 99
15) Methyl Acetate	2.46	43	18797	5.295	ug/L 95
16) Methylene chloride	2.52	84	49007	4.946	ug/L 96
17) Methyl tert-butyl Ether	2.79	73	111175	5.167	ug/L 99
18) trans-1,2-Dichloroethene	2.78	96	48197	5.267	ug/L 100
19) 1,1-Dichloroethane	3.21	63	91996	5.219	ug/L 98
21) 2-Butanone	4.01	43	128120	54.768	ug/L 96
22) cis-1,2-Dichloroethene	3.94	96	50230	5.243	ug/L 96

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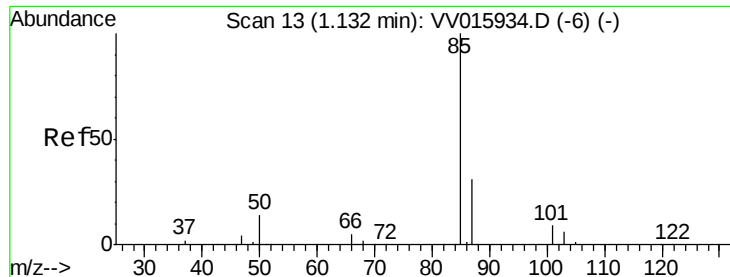
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Quant Title : TRACE VOA SOM01.0
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	21023	5.142	ug/L	99
25) Chloroform	4.41	83	98322	5.065	ug/L	100
27) 1,2-Dichloroethane	5.16	62	63416	5.317	ug/L	99
29) 1,1,1-Trichloroethane	4.63	97	84196	5.177	ug/L	99
30) Cyclohexane	4.70	56	81883	5.024	ug/L	99
31) Carbon tetrachloride	4.85	117	72181	5.143	ug/L	100
33) Benzene	5.13	78	194905	5.253	ug/L	100
34) Trichloroethene	5.94	95	53985	5.097	ug/L	98
35) Methylcyclohexane	6.16	83	80768	5.042	ug/L	98
37) 1,2-Dichloropropane	6.20	63	47473	5.036	ug/L	99
38) Bromodichloromethane	6.53	83	61343	5.124	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	67765	5.086	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	318395	54.189	ug/L	100
42) Toluene	7.41	91	214296	5.449	ug/L	100
43) 1,3,5-Trimethylbenzene	10.56	105	195506	5.415	ug/L #	100
44) 1,2,4-Trimethylbenzene	10.94	105	194496	5.391	ug/L #	100
46) trans-1,3-Dichloropropene	7.67	75	56256	4.998	ug/L	99
47) 1,1,2-Trichloroethane	7.86	97	32682	5.191	ug/L	98
49) Tetrachloroethene	8.00	164	39104	5.292	ug/L	97
50) 2-Hexanone	8.16	43	229966	55.345	ug/L	99
51) Dibromochloromethane	8.27	129	35665	5.042	ug/L	99
52) 1,2-Dibromoethane	8.38	107	30529	5.229	ug/L	96
53) Chlorobenzene	8.90	112	134219	5.306	ug/L	97
54) Ethylbenzene	9.03	91	237954	5.321	ug/L	99
55) m,p-xylene	9.16	106	88007	5.315	ug/L	99
56) o-xylene	9.57	106	84682	5.349	ug/L	95
57) Styrene	9.58	104	143043	5.402	ug/L	98
58) Isopropylbenzene	9.95	105	233711	5.373	ug/L	99
60) 1,1,2,2-Tetrachloroethane	10.26	83	37345	5.551	ug/L	99
62) Bromoform	9.75	173	16807	4.885	ug/L	98
63) 1,3-Dichlorobenzene	11.20	146	105567	5.232	ug/L	99
64) 1,4-Dichlorobenzene	11.30	146	106587	5.258	ug/L	99
66) 1,2-Dichlorobenzene	11.67	146	95992	5.257	ug/L	97
67) 1,2-Dibromo-3-chloropropan	12.45	75	6058	5.083	ug/L	95
68) 1,3,5-Trichlorobenzene	12.67	180	77283	5.239	ug/L	99
69) 1,2,4-trichlorobenzene	13.28	180	63350	4.998	ug/L	99
70) Naphthalene	13.53	128	103528	5.136	ug/L	99
71) 1,2,3-Trichlorobenzene	13.77	180	57353	5.129	ug/L	100

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

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#2

Dichlorodifluoromethane

Concen: 5.116 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV015950.D

Acq: 07 May 2020 19:51

Instrument :

MSVOA_V

ClientSampleId :

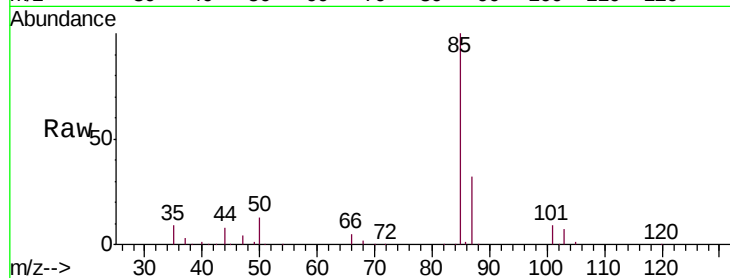
VSTD00559

Tgt Ion: 85 Resp: 58992

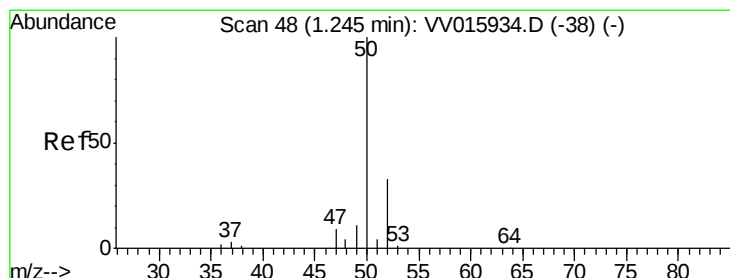
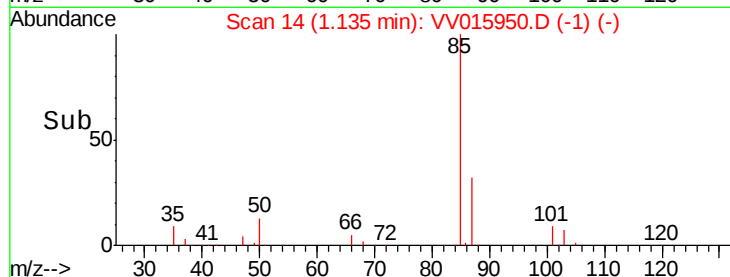
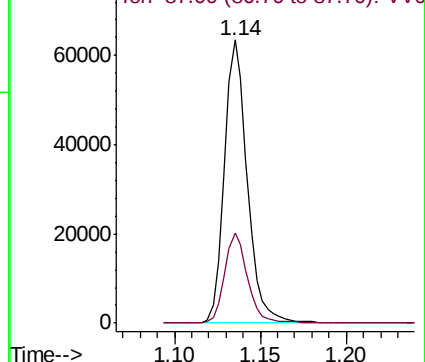
Ion Ratio Lower Upper

85 100

87 31.9 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VV015950.D (-1) (-)



#3

Chloromethane

Concen: 5.112 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV015950.D

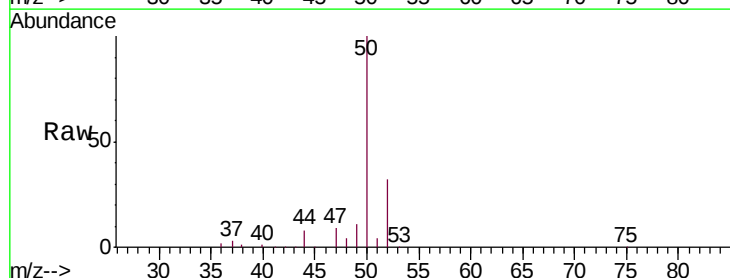
Acq: 07 May 2020 19:51

Tgt Ion: 50 Resp: 59672

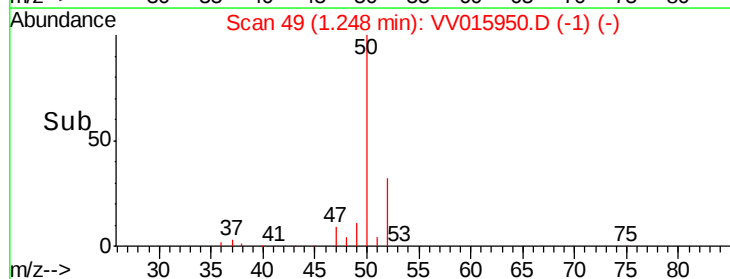
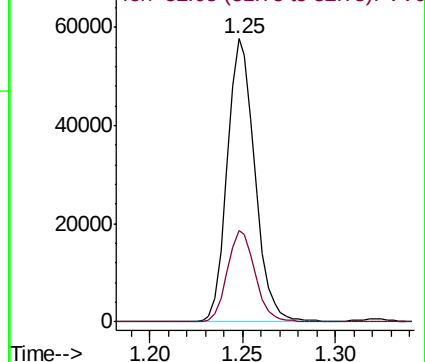
Ion Ratio Lower Upper

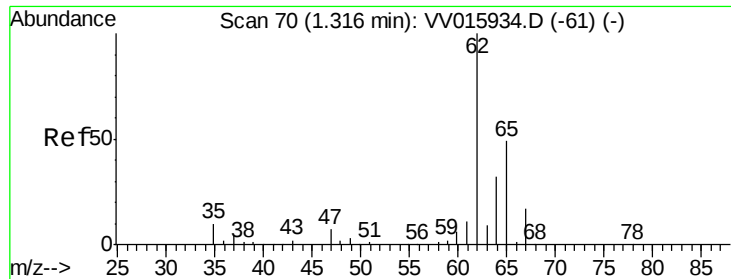
50 100

52 32.1 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VV015950.D (-1) (-)





#5

Vinyl chloride

Concen: 5.217 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV015950.D

Acq: 07 May 2020 19:51

Instrument :

MSVOA_V

ClientSampleId :

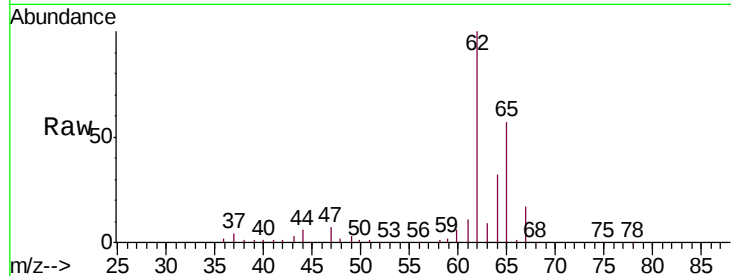
VSTD00559

Tgt Ion: 62 Resp: 58238

Ion Ratio Lower Upper

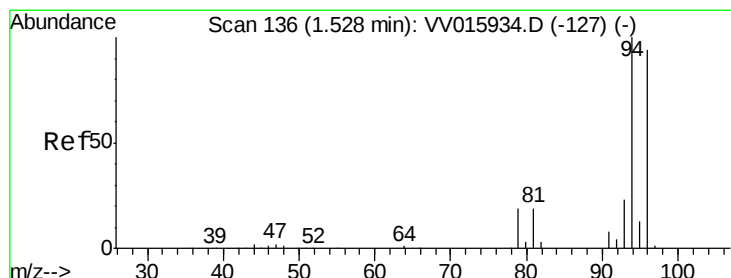
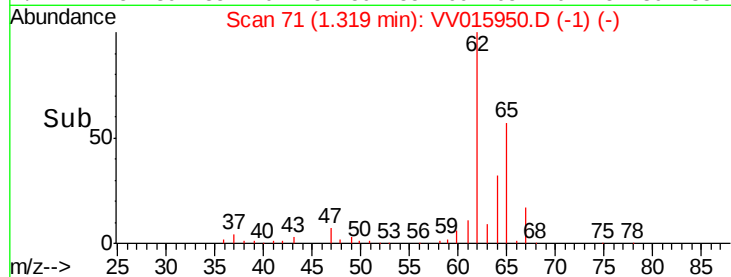
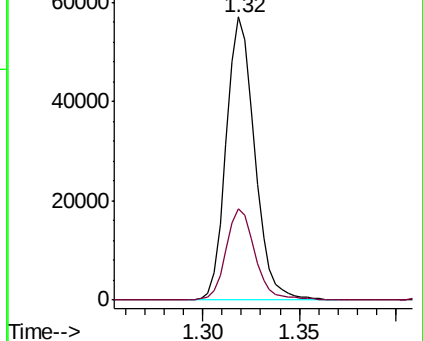
62 100

64 32.5 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 5.110 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV015950.D

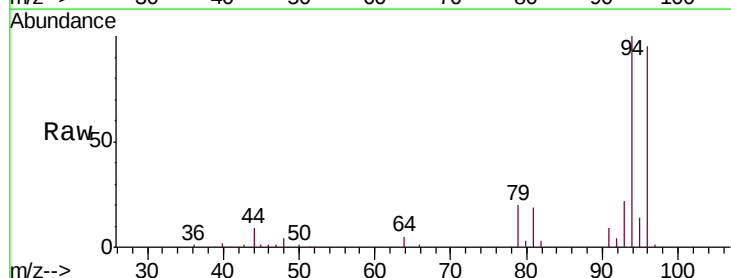
Acq: 07 May 2020 19:51

Tgt Ion: 94 Resp: 32371

Ion Ratio Lower Upper

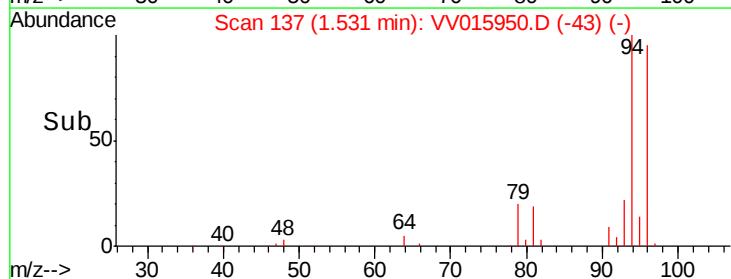
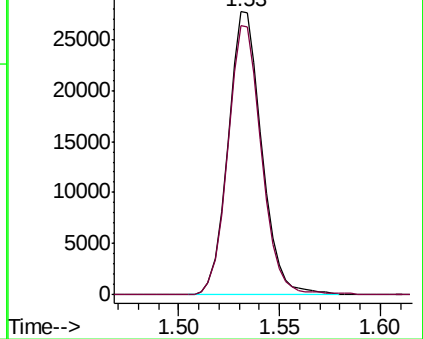
94 100

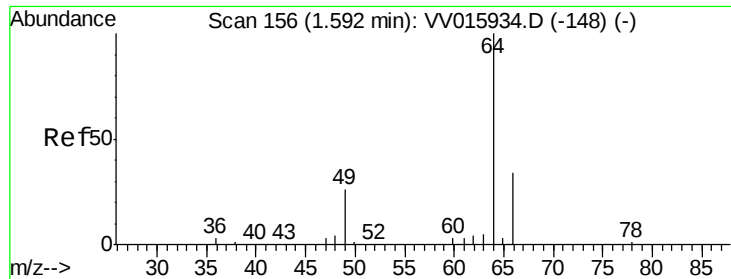
96 95.2 65.4 121.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 4.635 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV015950.D

Acq: 07 May 2020 19:51

Instrument :

MSVOA_V

ClientSampleId :

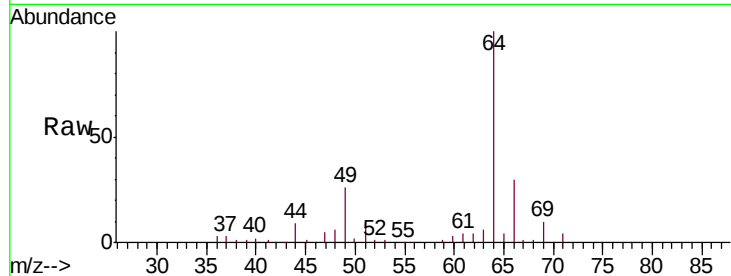
VSTD00559

Tgt Ion: 64 Resp: 36860

Ion Ratio Lower Upper

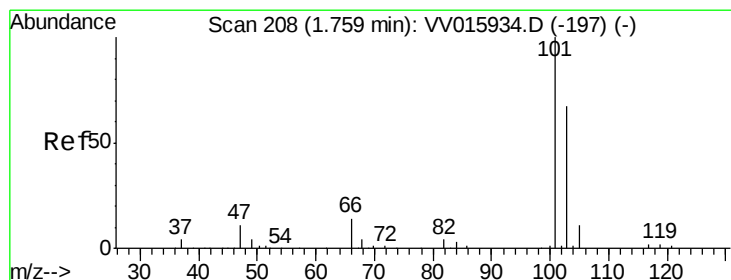
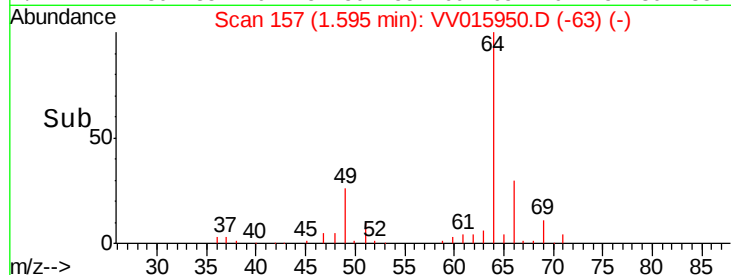
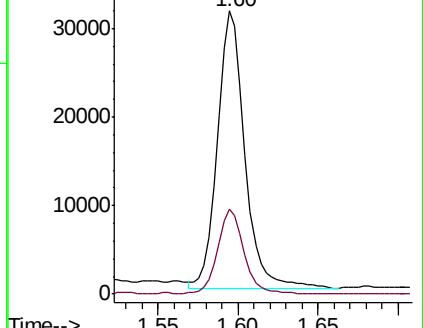
64 100

66 30.0 23.6 43.8



Abundance Ion 64.10 (63.80 to 64.80): VV015934.D (-148) (-)

Ion 66.05 (65.75 to 66.75): VV015950.D (-63) (-)



#9

Trichlorofluoromethane

Concen: 5.303 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.01 min

Lab File: VV015950.D

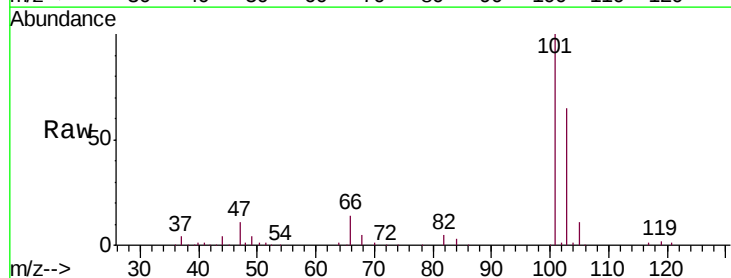
Acq: 07 May 2020 19:51

Tgt Ion: 101 Resp: 81199

Ion Ratio Lower Upper

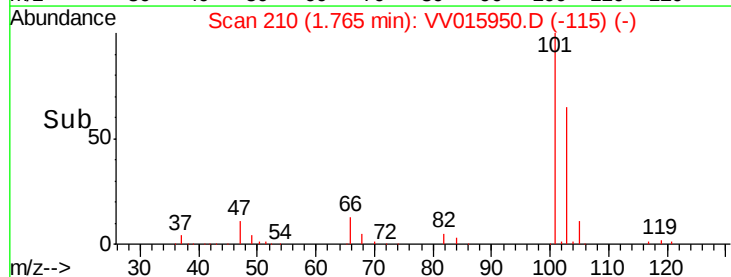
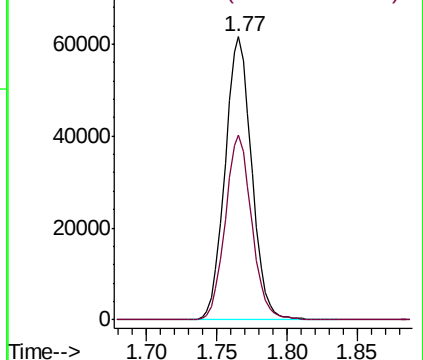
101 100

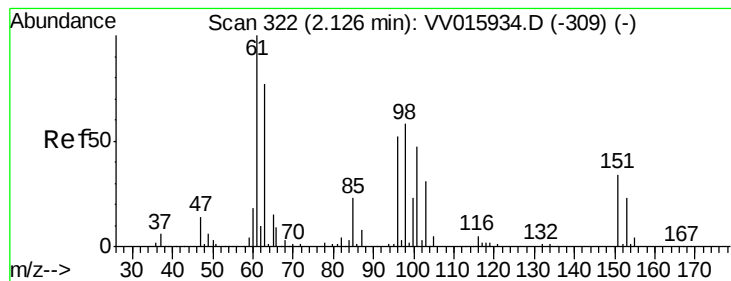
103 65.1 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): VV015934.D (-197) (-)

Ion 103.00 (102.70 to 103.70): VV015950.D (-115) (-)





#10

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

Concen: 5.111 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.01 min

Lab File: VV015950.D

Acq: 07 May 2020 19:51

Instrument :

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ClientSampleId :

VSTD00559

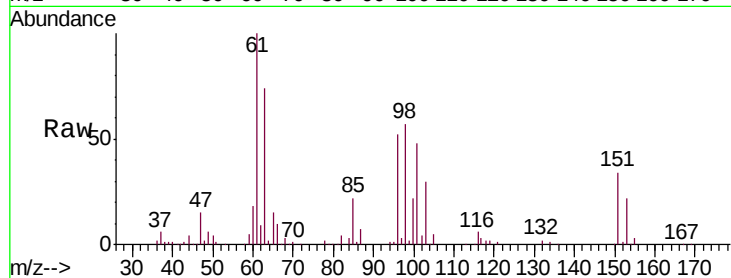
Tgt Ion:101 Resp: 44203

Ion Ratio Lower Upper

101 100

85 47.8 35.7 53.5

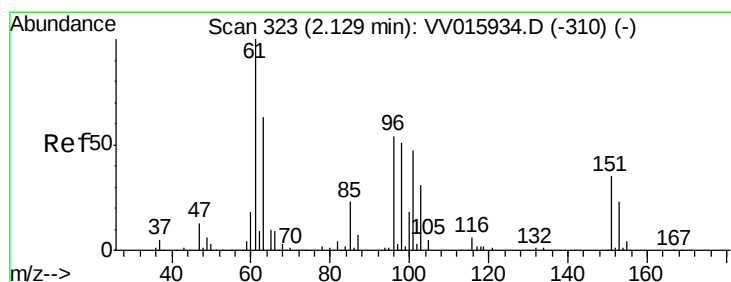
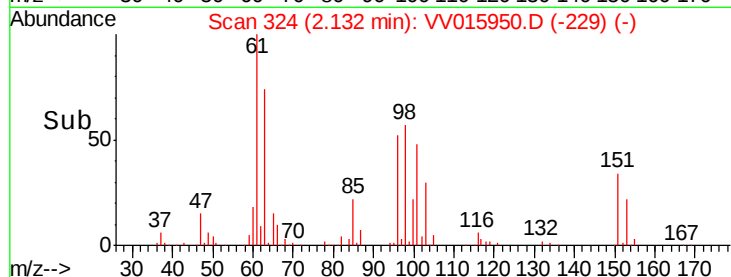
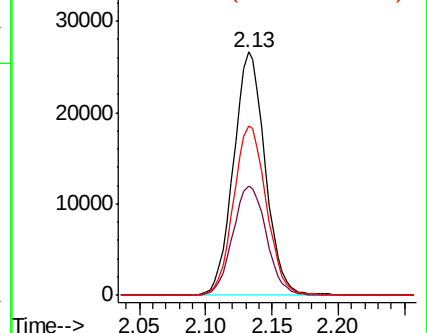
151 72.1 58.0 87.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.093 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV015950.D

Acq: 07 May 2020 19:51

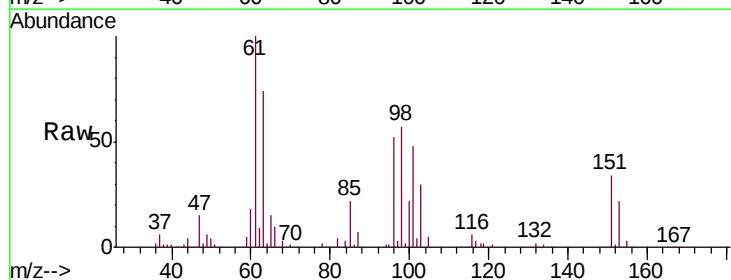
Tgt Ion: 96 Resp: 42173

Ion Ratio Lower Upper

96 100

61 192.3 139.9 259.7

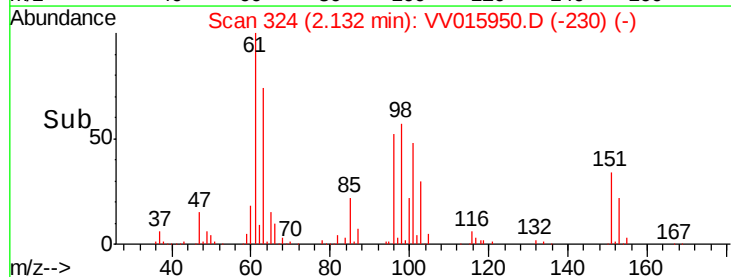
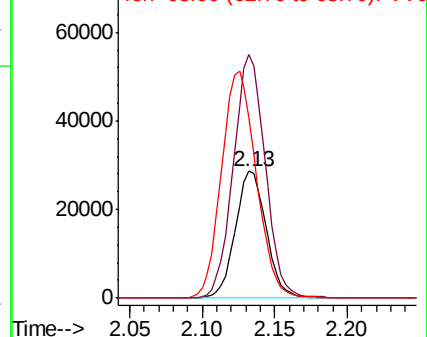
63 142.7 106.4 197.6

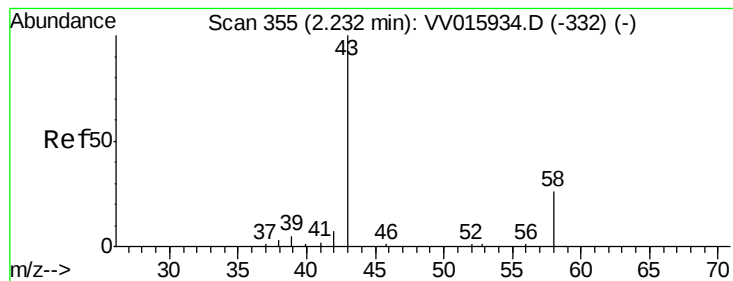


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 51.772 ug/L

RT: 2.21 min Scan# 347

Delta R.T. -0.03 min

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Instrument :

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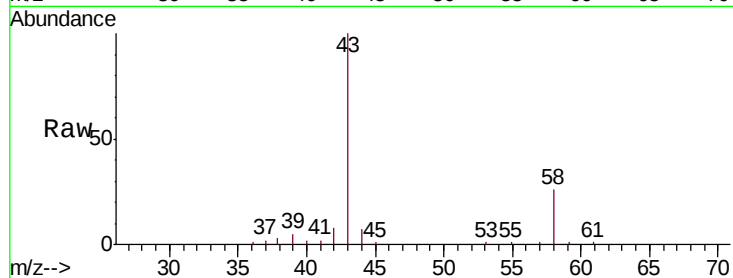
VSTD00559

Tgt Ion: 43 Resp: 79526

Ion Ratio Lower Upper

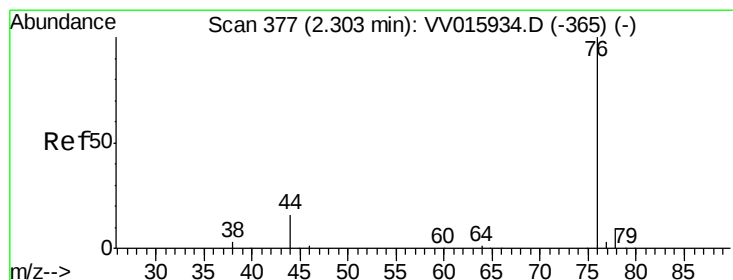
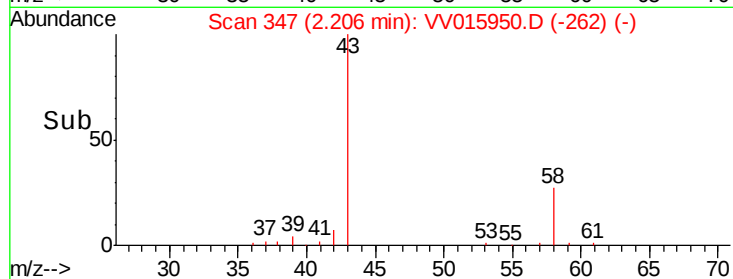
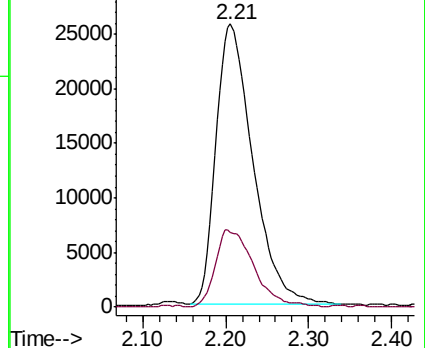
43 100

58 28.3 0.0 30.8



Abundance Ion 43.05 (42.75 to 43.75): VV015934.D (-332) (-)

Ion 58.05 (57.75 to 58.75): VV015934.D (-332) (-)



#14

Carbon disulfide

Concen: 5.021 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.01 min

Lab File: VV015950.D

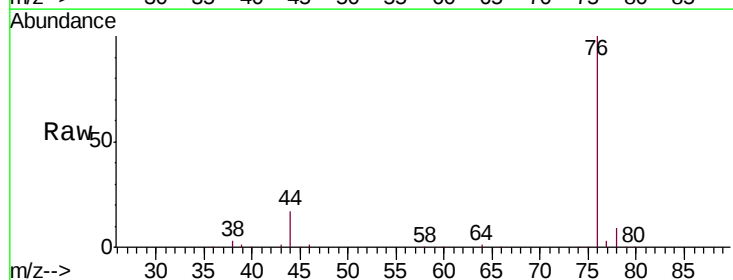
Acq: 07 May 2020 19:51

Tgt Ion: 76 Resp: 137279

Ion Ratio Lower Upper

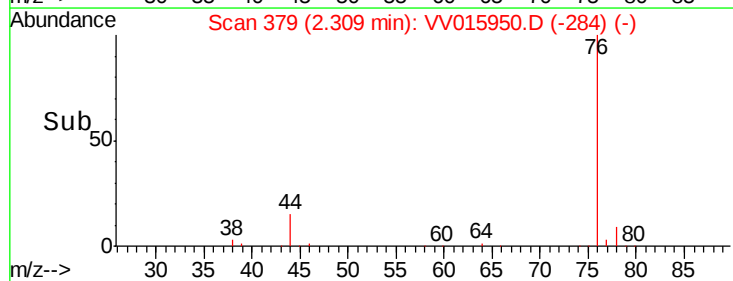
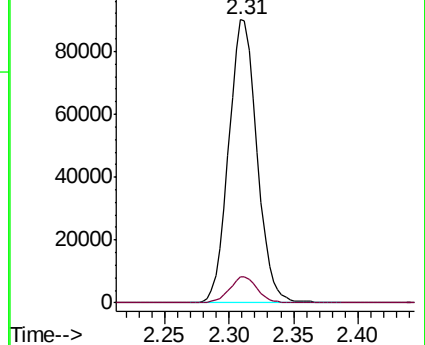
76 100

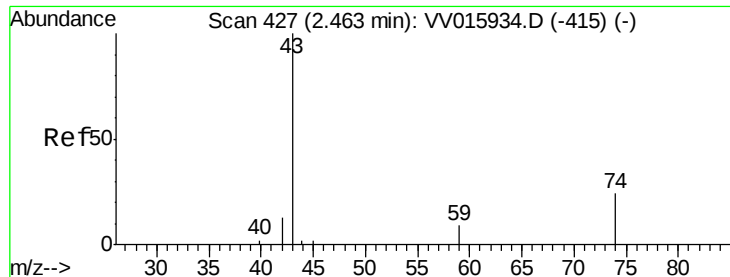
78 9.0 7.0 10.6



Abundance Ion 76.05 (75.75 to 76.75): VV015934.D (-365) (-)

Ion 78.00 (77.70 to 78.70): VV015934.D (-365) (-)





#15

Methyl Acetate

Concen: 5.295 ug/L

RT: 2.46 min Scan# 425

Delta R.T. -0.01 min

Lab File: VV015950.D

Acq: 07 May 2020 19:51

Instrument :

MSVOA_V

ClientSampleId :

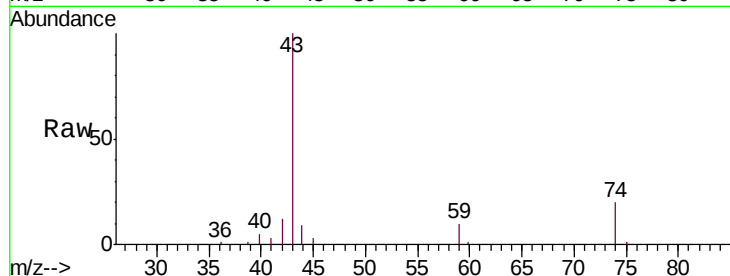
VSTD00559

Tgt Ion: 43 Resp: 18797

Ion Ratio Lower Upper

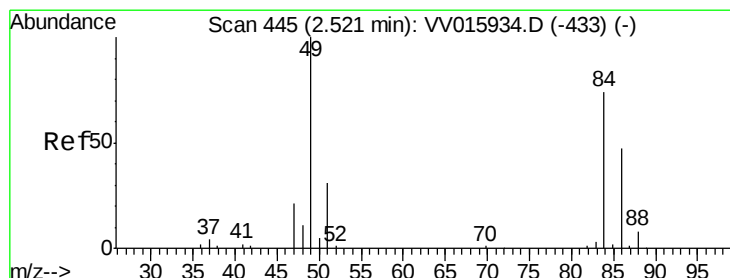
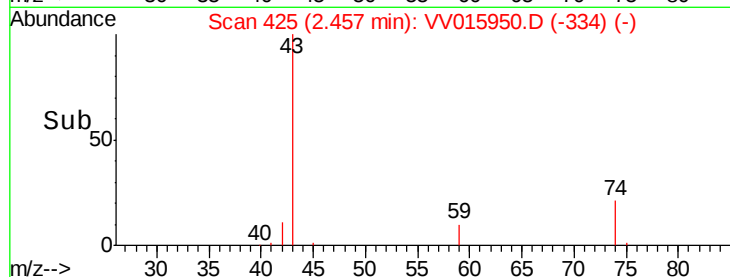
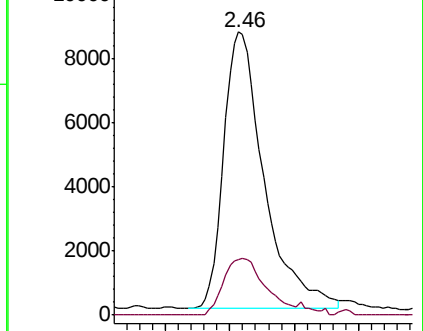
43 100

74 21.4 19.2 28.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 4.946 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV015950.D

Acq: 07 May 2020 19:51

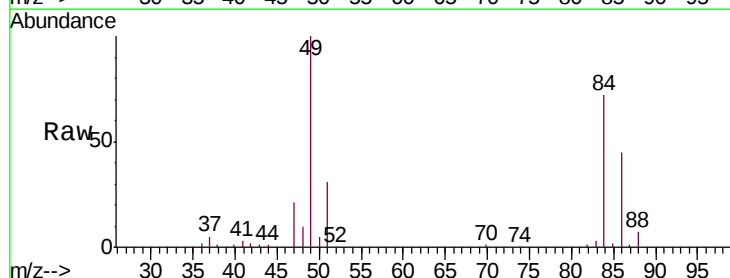
Tgt Ion: 84 Resp: 49007

Ion Ratio Lower Upper

84 100

86 62.3 45.6 84.8

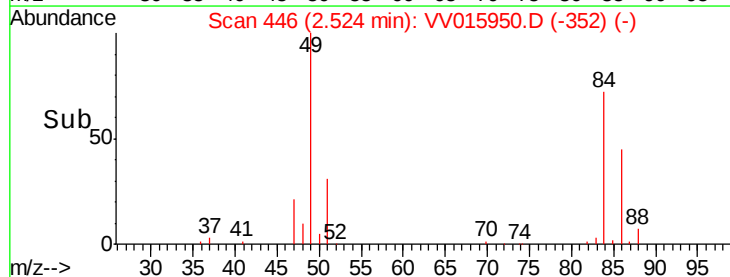
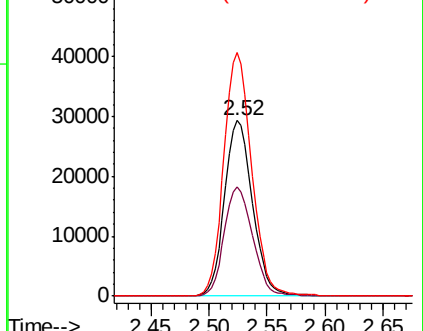
49 138.8 93.6 173.8

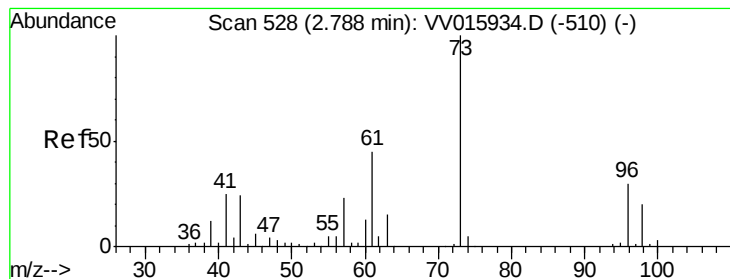


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0



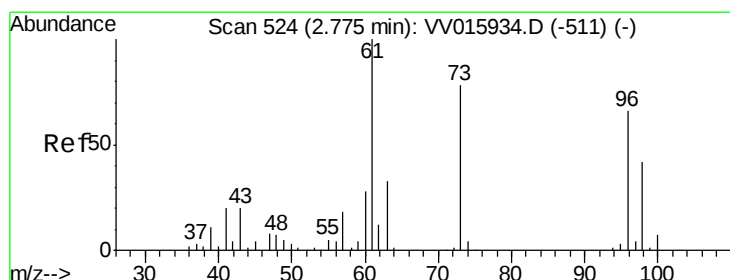
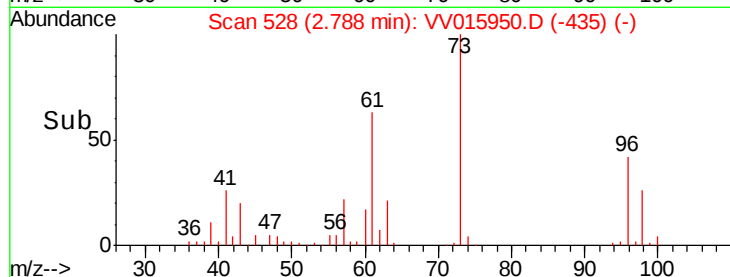
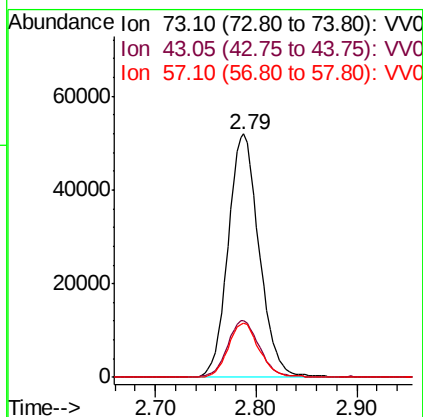
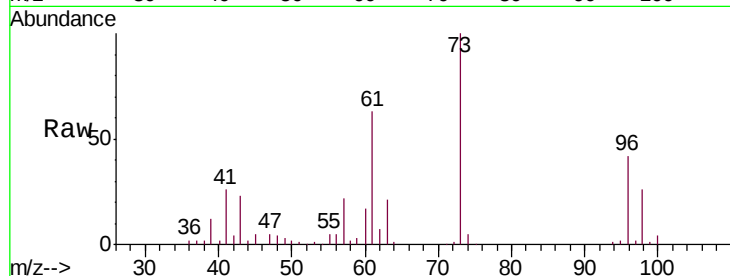


#17

Methyl tert-butyl Ether
 Concen: 5.167 ug/L
 RT: 2.79 min Scan# 528
 Delta R.T. -0.00 min
 Lab File: VV015950.D
 Acq: 07 May 2020 19:51

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00559

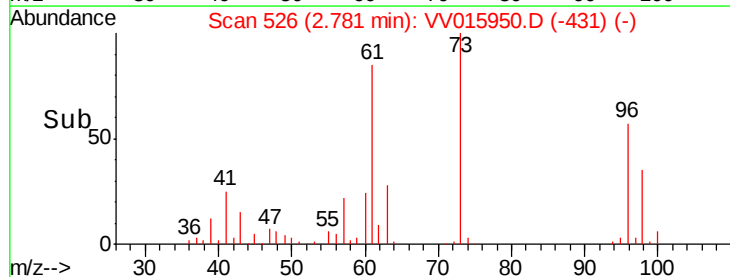
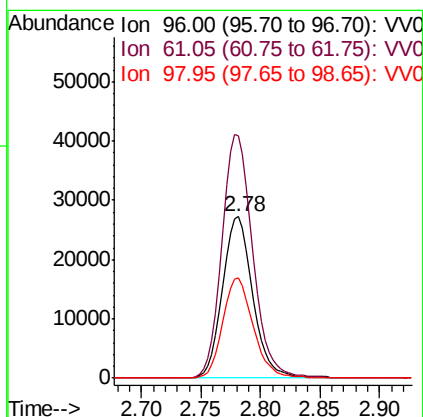
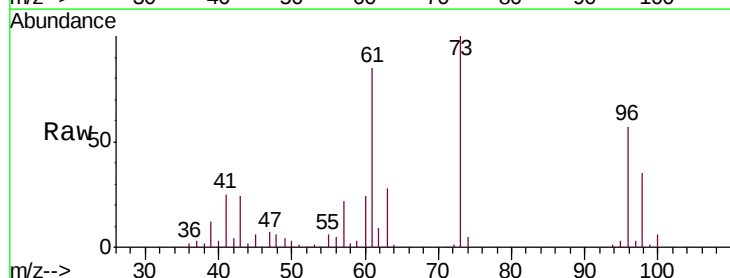
Tgt Ion:	73	Resp:	111175
Ion	Ratio	Lower	Upper
73	100		
43	24.3	18.8	28.2
57	22.4	17.8	26.6

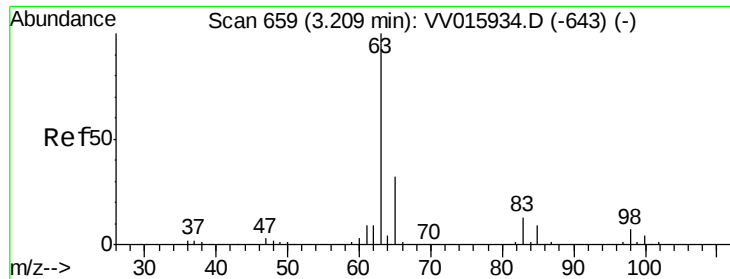


#18

trans-1,2-Dichloroethene
 Concen: 5.267 ug/L
 RT: 2.78 min Scan# 526
 Delta R.T. 0.01 min
 Lab File: VV015950.D
 Acq: 07 May 2020 19:51

Tgt Ion:	96	Resp:	48197
Ion	Ratio	Lower	Upper
96	100		
61	150.2	105.3	195.5
98	62.0	44.0	81.6

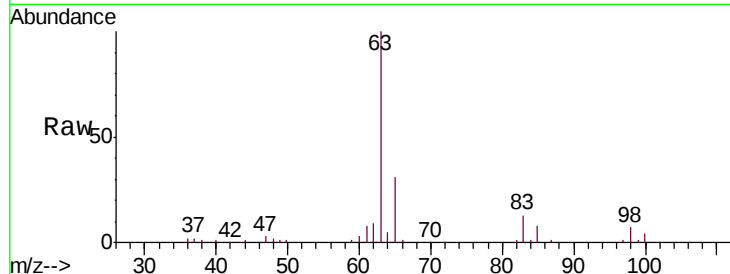




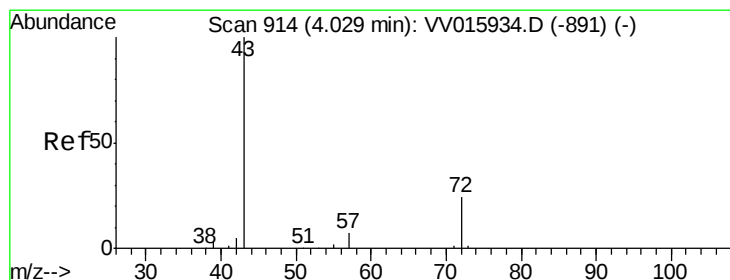
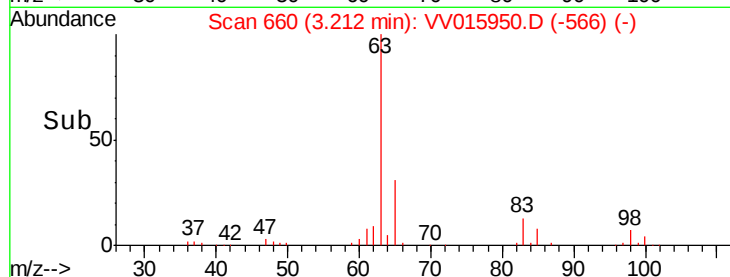
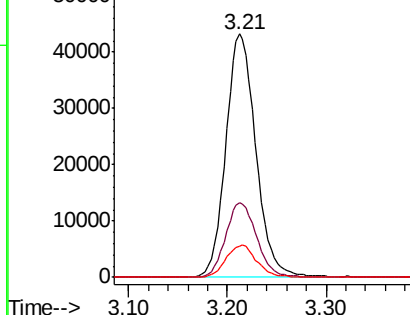
#19
 1,1-Dichloroethane
 Concen: 5.219 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV015950.D
 Acq: 07 May 2020 19:51

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00559

Tgt Ion: 63 Resp: 91996
 Ion Ratio Lower Upper
 63 100
 65 30.7 22.0 41.0
 83 13.0 9.8 18.2

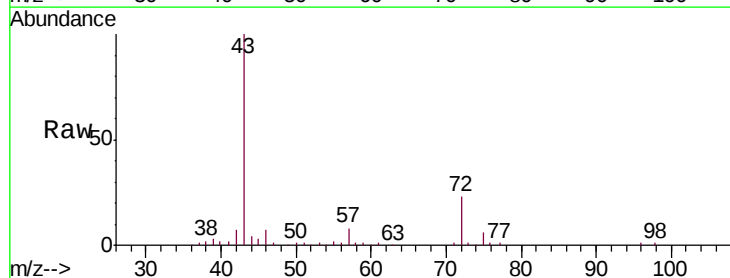


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

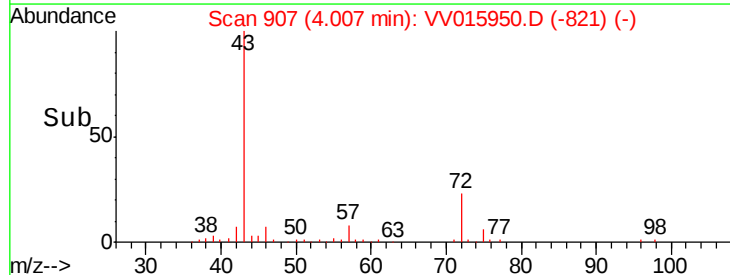
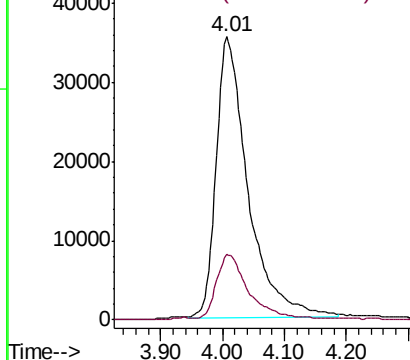


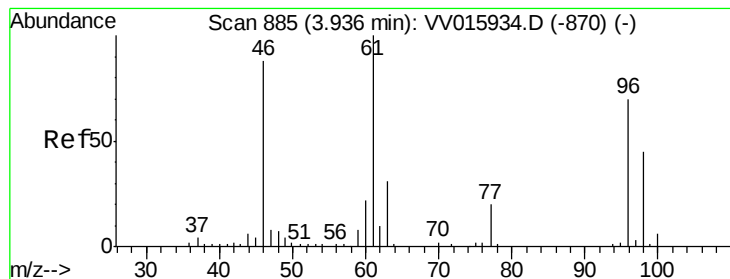
#21
 2-Butanone
 Concen: 54.768 ug/L
 RT: 4.01 min Scan# 907
 Delta R.T. -0.02 min
 Lab File: VV015950.D
 Acq: 07 May 2020 19:51

Tgt Ion: 43 Resp: 128120
 Ion Ratio Lower Upper
 43 100
 72 22.7 10.5 31.5



Abundance Ion 43.00 (42.70 to 43.70): VV0
 Ion 72.00 (71.70 to 72.70): VV0



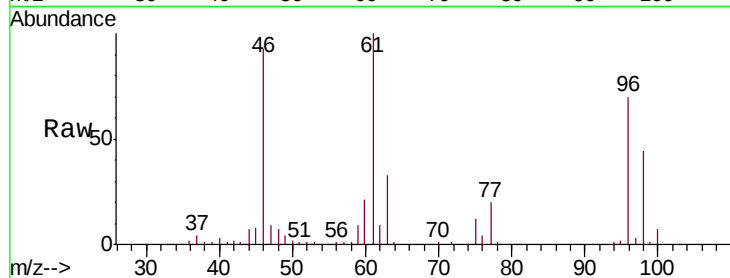


#22

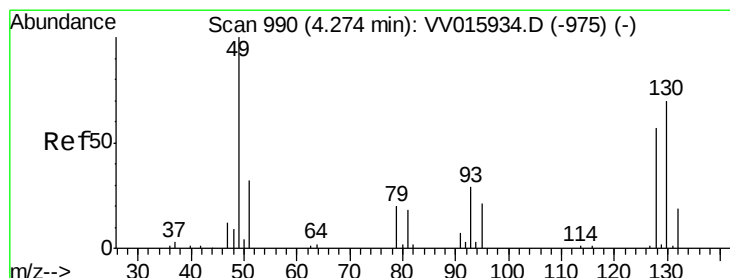
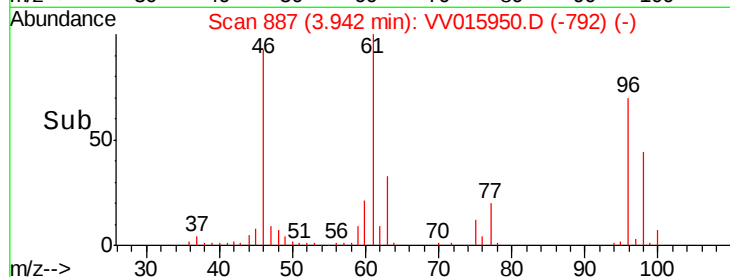
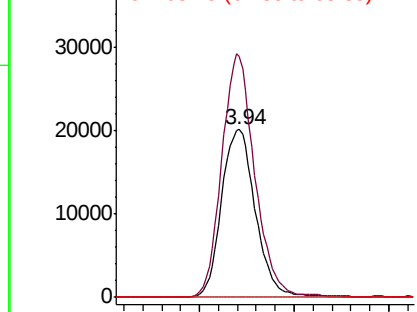
cis-1,2-Dichloroethene
Concen: 5.243 ug/L
RT: 3.94 min Scan# 887
Delta R.T. 0.01 min
Lab File: VV015950.D
Acq: 07 May 2020 19:51

Instrument :
MSVOA_V
ClientSampleId :
VSTD00559

Tgt Ion: 96 Resp: 50230
Ion Ratio Lower Upper
96 100
61 143.7 97.2 180.6
68 0.0 0.0 0.0



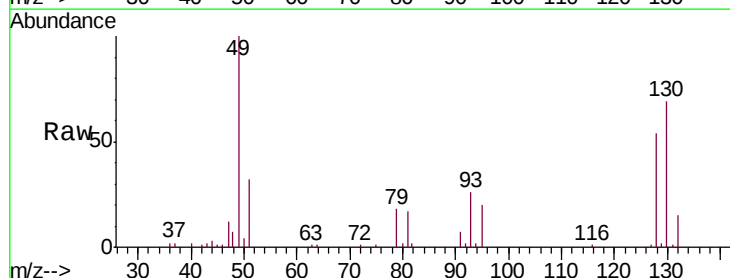
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



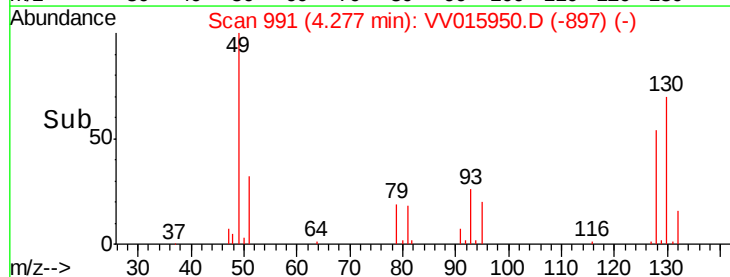
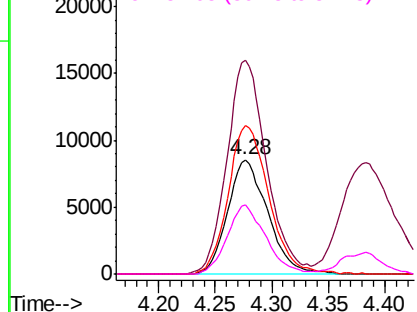
#23

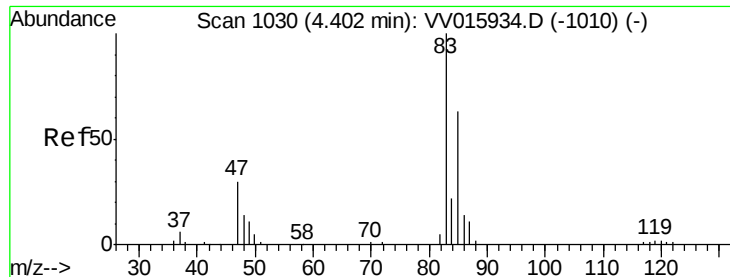
Bromochloromethane
Concen: 5.142 ug/L
RT: 4.28 min Scan# 991
Delta R.T. 0.00 min
Lab File: VV015950.D
Acq: 07 May 2020 19:51

Tgt Ion: 128 Resp: 21023
Ion Ratio Lower Upper
128 100
49 186.4 131.3 243.8
130 129.2 91.8 170.4
51 60.2 48.8 73.2



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VV0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VV0

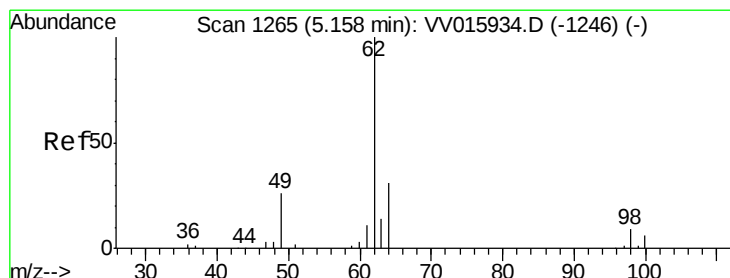
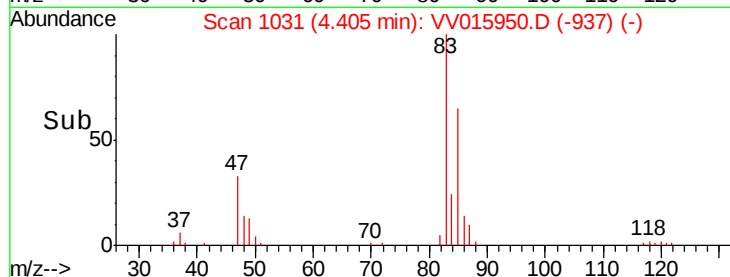
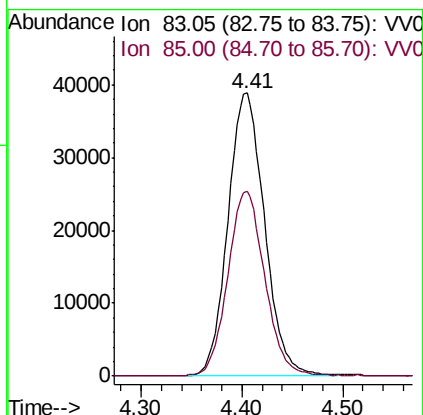
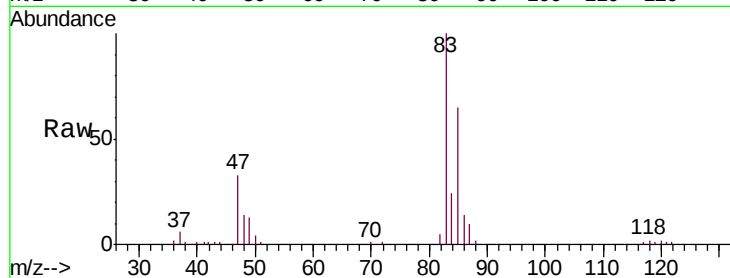




#25
Chloroform
Concen: 5.065 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV015950.D
Acq: 07 May 2020 19:51

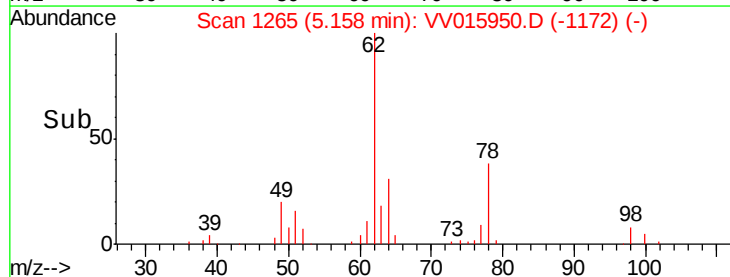
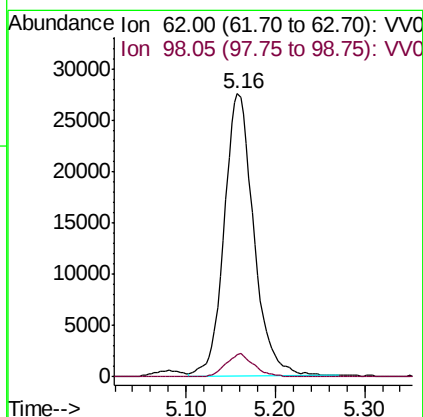
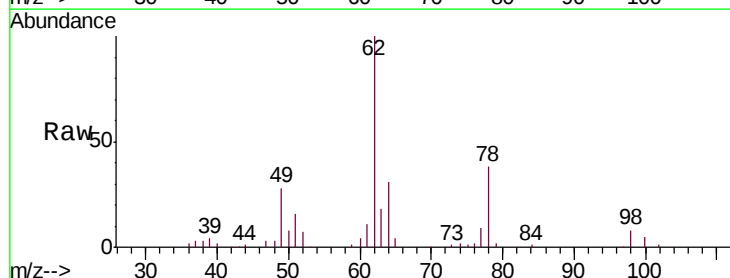
Instrument :
MSVOA_V
ClientSampleId :
VSTD00559

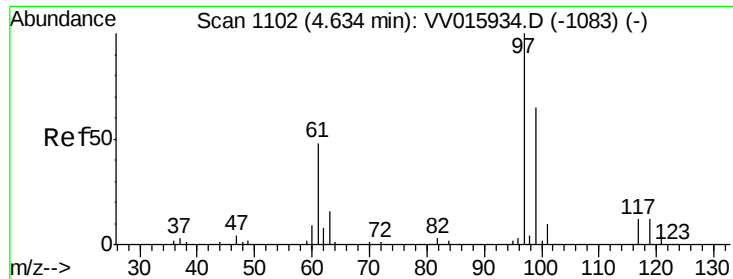
Tgt Ion: 83 Resp: 98322
Ion Ratio Lower Upper
83 100
85 65.2 45.7 84.9



#27
1,2-Dichloroethane
Concen: 5.317 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VV015950.D
Acq: 07 May 2020 19:51

Tgt Ion: 62 Resp: 63416
Ion Ratio Lower Upper
62 100
98 7.9 6.7 10.1

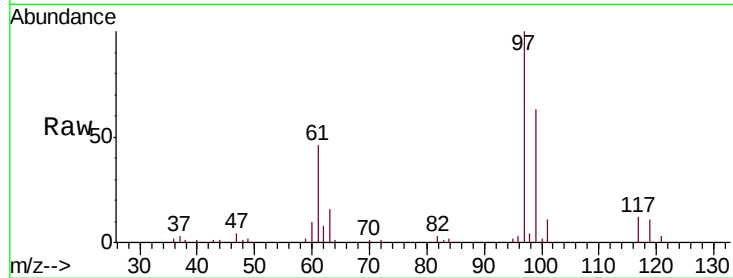




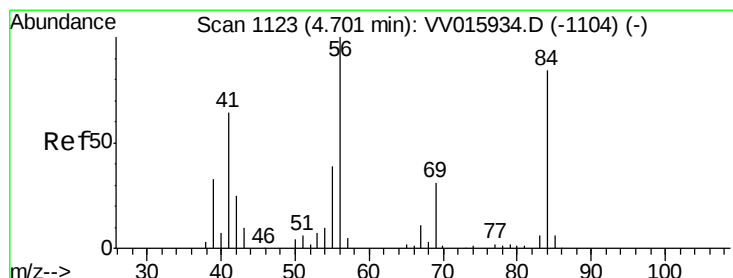
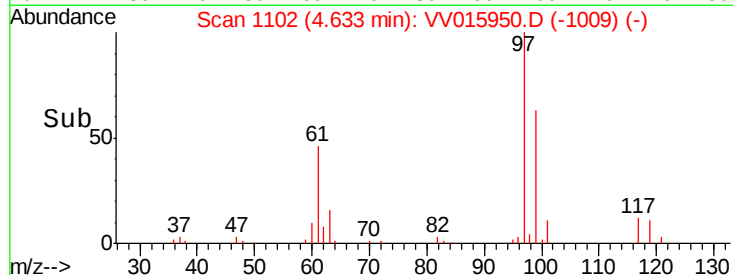
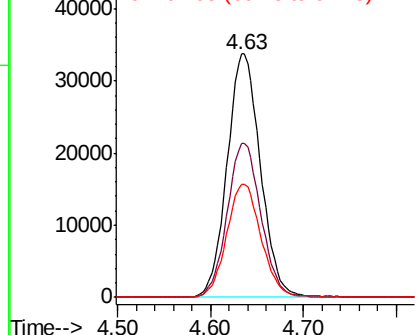
#29
 1,1,1-Trichloroethane
 Concen: 5.177 ug/L
 RT: 4.63 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VV015950.D
 Acq: 07 May 2020 19:51

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00559

Tgt Ion: 97 Resp: 84196
 Ion Ratio Lower Upper
 97 100
 99 63.9 50.7 76.1
 61 47.7 38.8 58.2

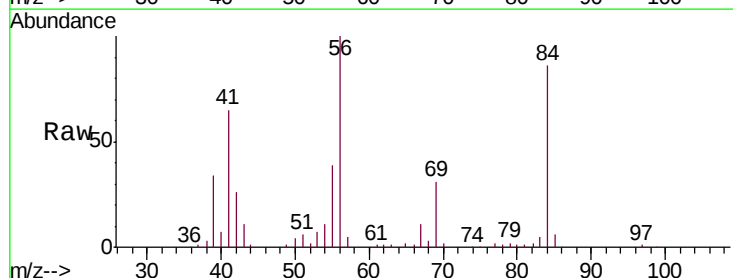


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

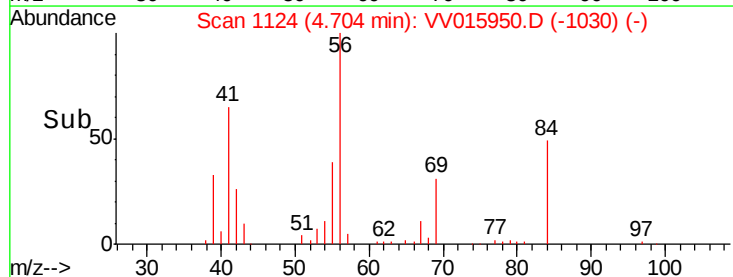
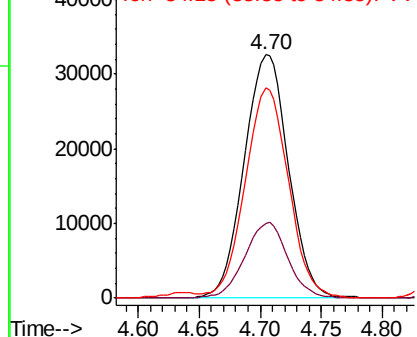


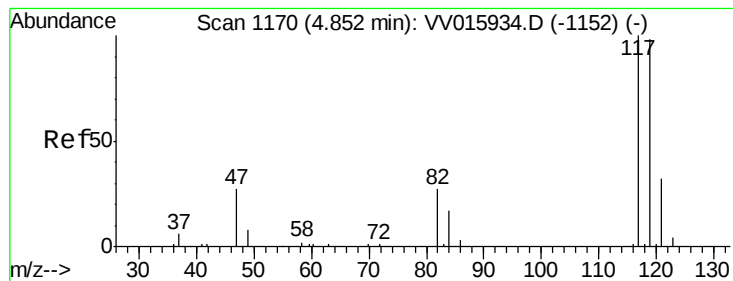
#30
 Cyclohexane
 Concen: 5.024 ug/L
 RT: 4.70 min Scan# 1124
 Delta R.T. 0.00 min
 Lab File: VV015950.D
 Acq: 07 May 2020 19:51

Tgt Ion: 56 Resp: 81883
 Ion Ratio Lower Upper
 56 100
 69 30.2 24.2 36.2
 84 84.7 68.3 102.5



Abundance Ion 56.10 (55.80 to 56.80): VV0
 Ion 69.15 (68.85 to 69.85): VV0
 Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 5.143 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV015950.D

Acq: 07 May 2020 19:51

Instrument :

MSVOA_V

ClientSampleId :

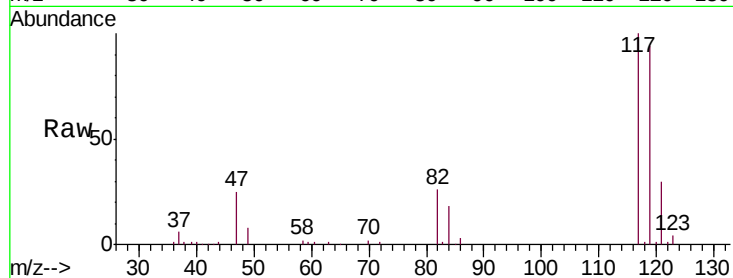
VSTD00559

Tgt Ion:117 Resp: 72181

Ion Ratio Lower Upper

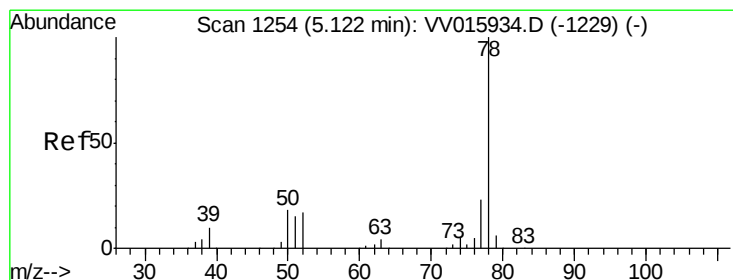
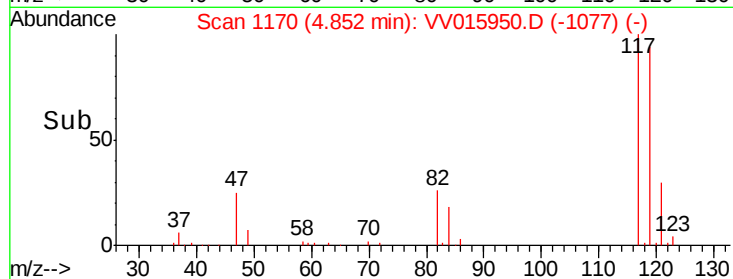
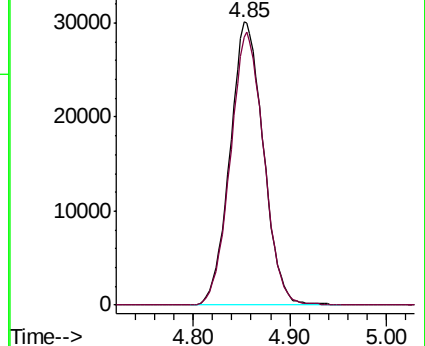
117 100

119 96.2 77.3 115.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.253 ug/L

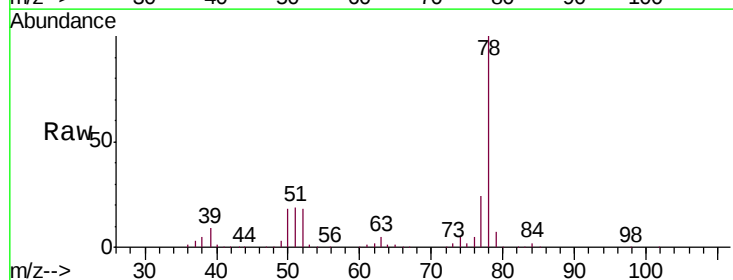
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

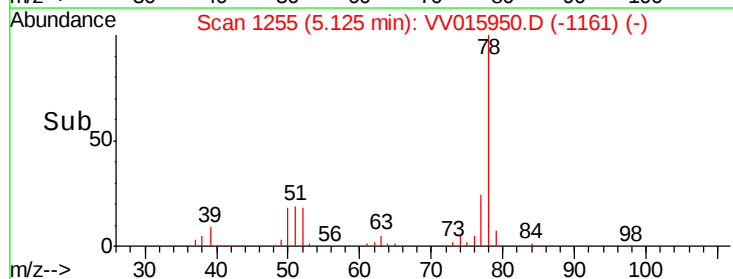
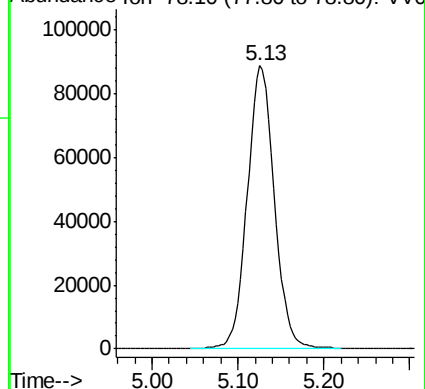
Lab File: VV015950.D

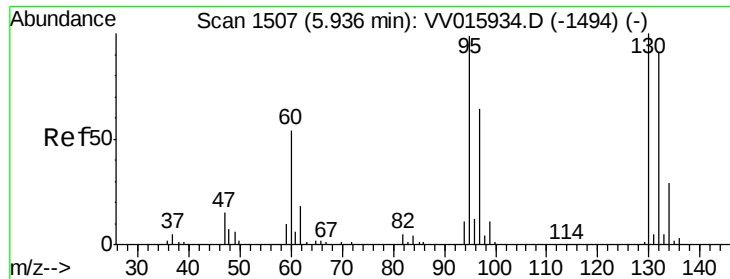
Acq: 07 May 2020 19:51

Tgt Ion: 78 Resp: 194905



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.097 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV015950.D

Acq: 07 May 2020 19:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD00559

Tgt Ion: 95 Resp: 53985

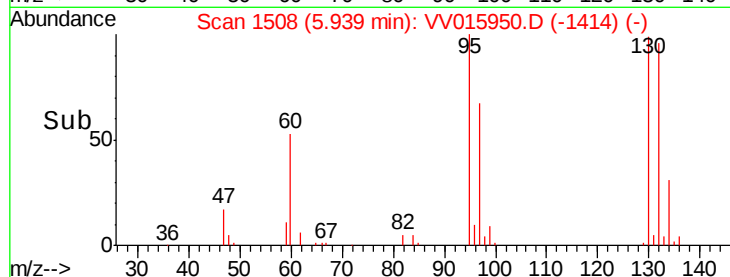
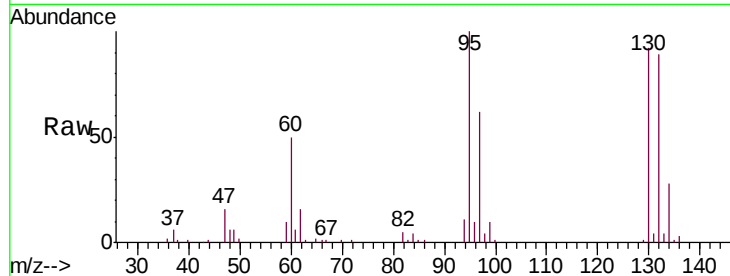
Ion Ratio Lower Upper

95 100

97 61.7 43.3 80.5

132 89.1 60.3 112.1

130 91.6 66.0 122.6

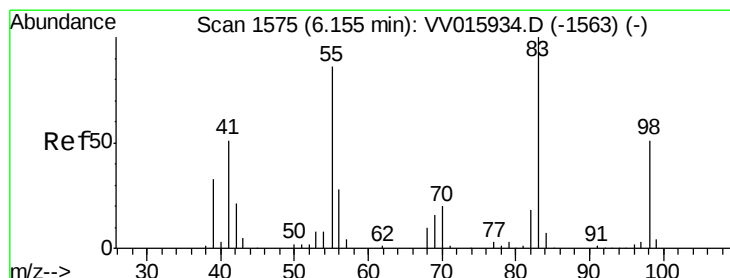
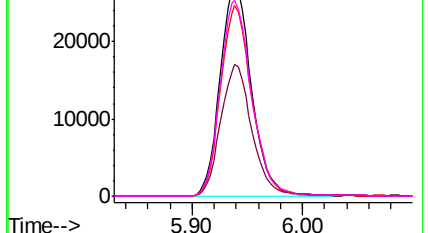


Abundance Ion 95.00 (94.70 to 95.70): VV015950.D (-1414) (-)

Ion 96.95 (96.65 to 97.65): VV015950.D (-1414) (-)

Ion 131.95 (131.65 to 132.65): VV015950.D (-1414) (-)

Ion 129.95 (129.65 to 130.65): VV015950.D (-1414) (-)



#35

Methylcyclohexane

Concen: 5.042 ug/L

RT: 6.16 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VV015950.D

Acq: 07 May 2020 19:51

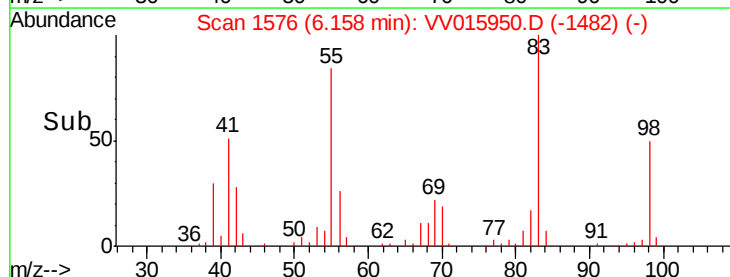
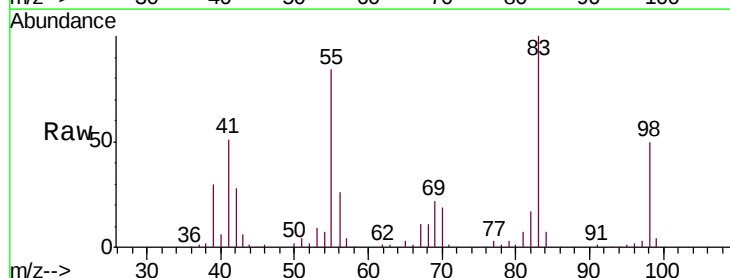
Tgt Ion: 83 Resp: 80768

Ion Ratio Lower Upper

83 100

55 84.2 66.2 99.2

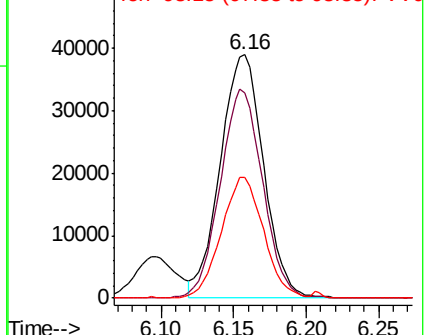
98 48.5 37.9 56.9

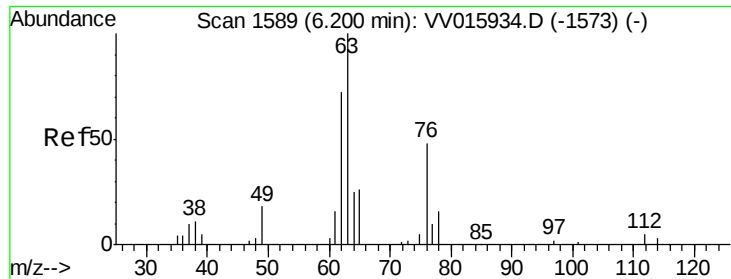


Abundance Ion 83.15 (82.85 to 83.85): VV015950.D (-1482) (-)

Ion 55.10 (54.80 to 55.80): VV015950.D (-1482) (-)

Ion 98.15 (97.85 to 98.85): VV015950.D (-1482) (-)

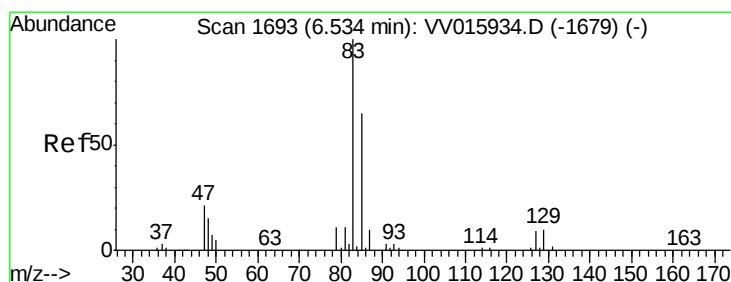
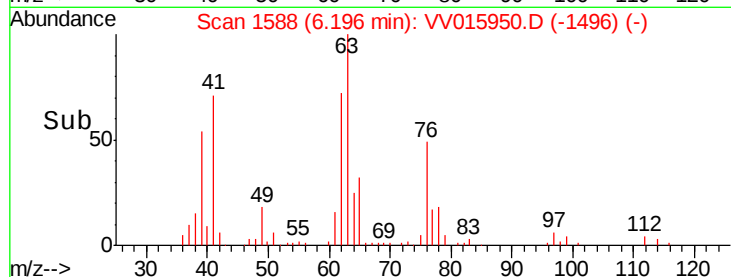
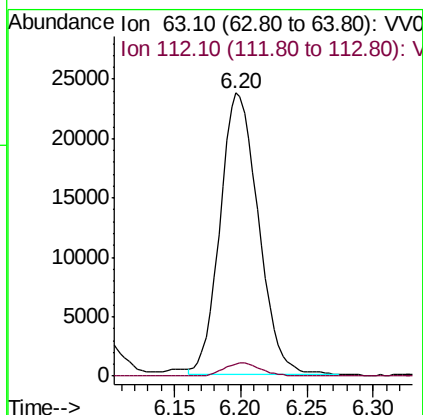
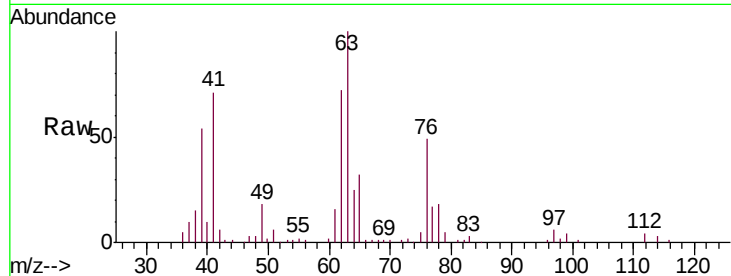




#37
 1,2-Dichloropropane
 Concen: 5.036 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV015950.D
 Acq: 07 May 2020 19:51

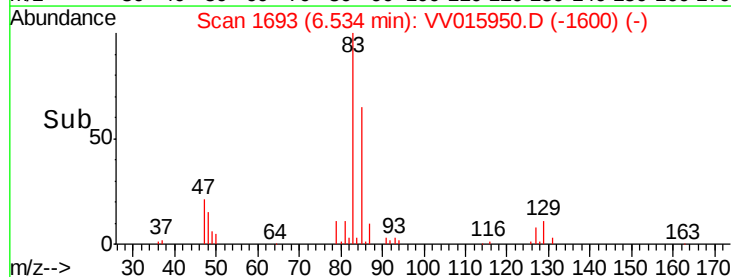
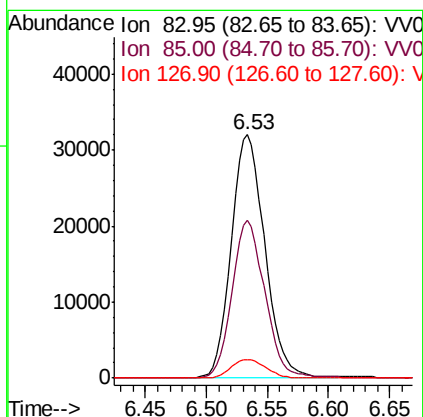
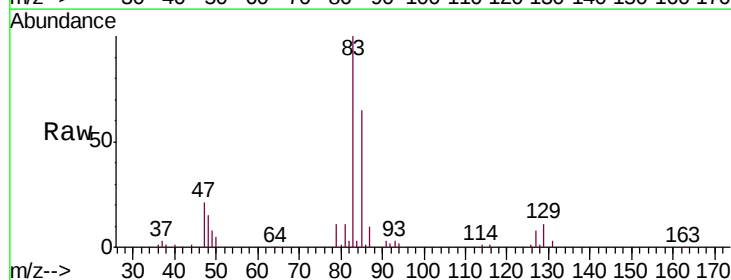
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00559

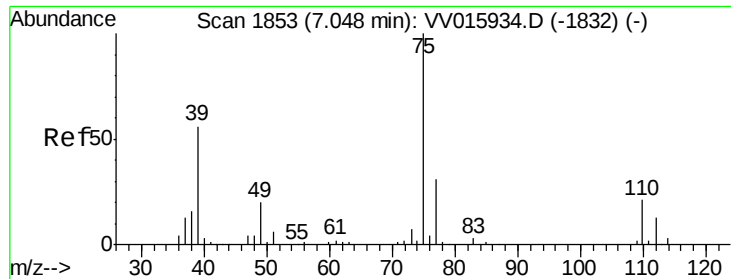
Tgt Ion: 63 Resp: 47473
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.4 5.0



#38
 Bromodichloromethane
 Concen: 5.124 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. -0.00 min
 Lab File: VV015950.D
 Acq: 07 May 2020 19:51

Tgt Ion: 83 Resp: 61343
 Ion Ratio Lower Upper
 83 100
 85 64.8 45.5 84.5
 127 7.7 6.2 9.4

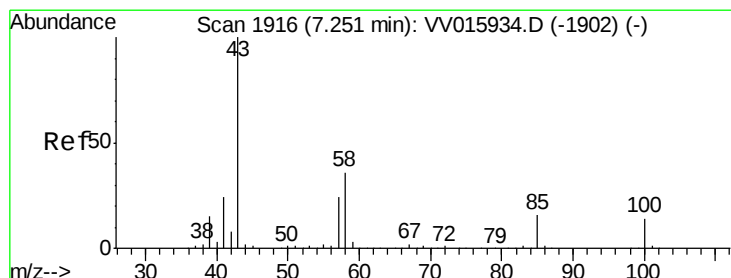
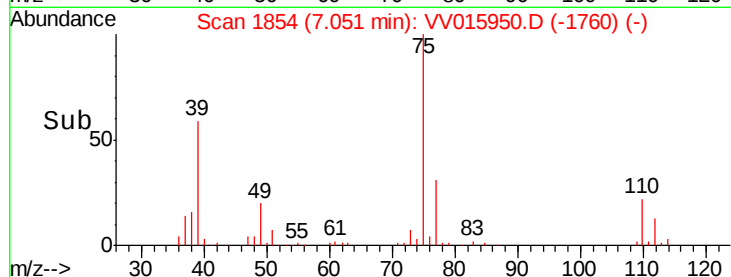
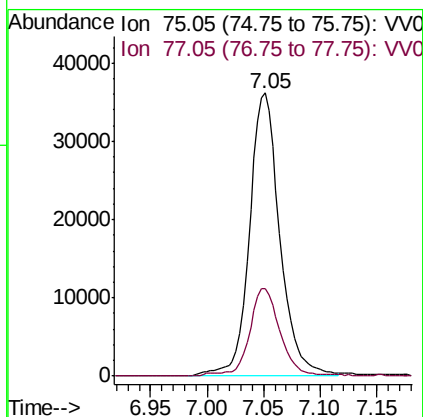
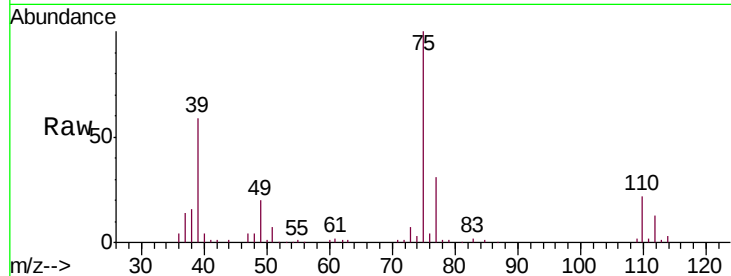




#39
 cis-1,3-Dichloropropene
 Concen: 5.086 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VV015950.D
 Acq: 07 May 2020 19:51

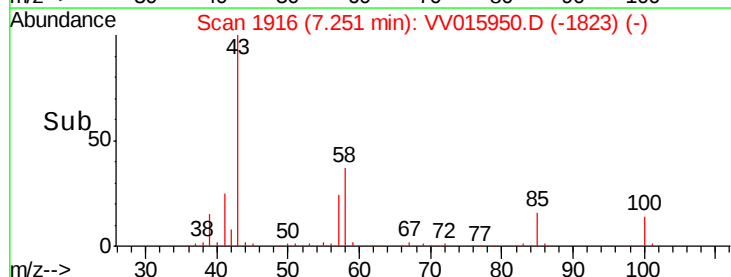
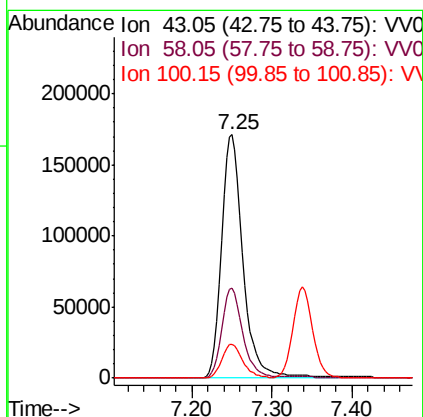
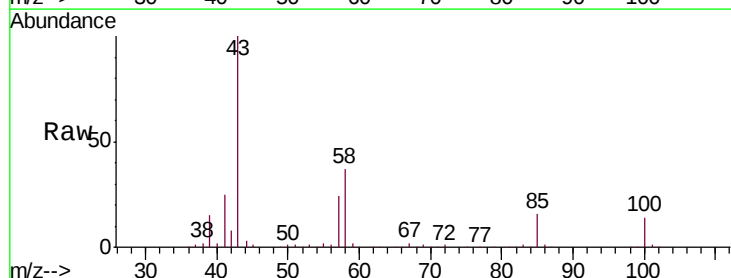
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00559

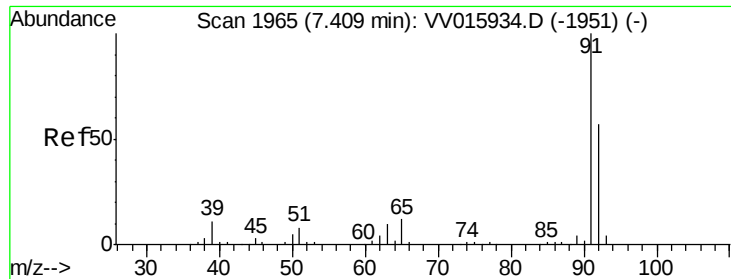
Tgt Ion: 75 Resp: 67765
 Ion Ratio Lower Upper
 75 100
 77 30.7 21.3 39.5



#40
 4-Methyl-2-pentanone
 Concen: 54.189 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VV015950.D
 Acq: 07 May 2020 19:51

Tgt Ion: 43 Resp: 318395
 Ion Ratio Lower Upper
 43 100
 58 36.1 29.0 43.4
 100 13.6 10.9 16.3





#42

Toluene

Concen: 5.449 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV015950.D

Acq: 07 May 2020 19:51

Instrument :

MSVOA_V

ClientSampleId :

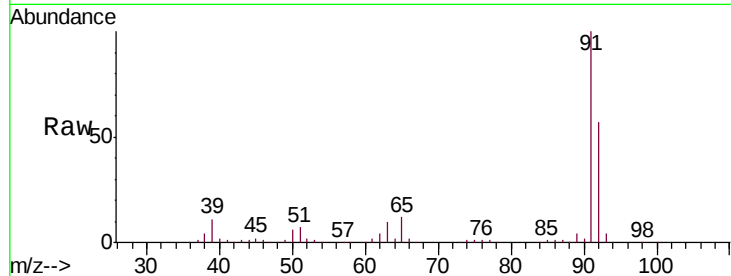
VSTD00559

Tgt Ion: 91 Resp: 214296

Ion Ratio Lower Upper

91 100

92 57.1 40.1 74.5



Abundance Ion 91.15 (90.85 to 91.85): VV015934.D (-1951) (-)

Ion 92.15 (91.85 to 92.85): VV015934.D (-1951) (-)

7.41

100000

50000

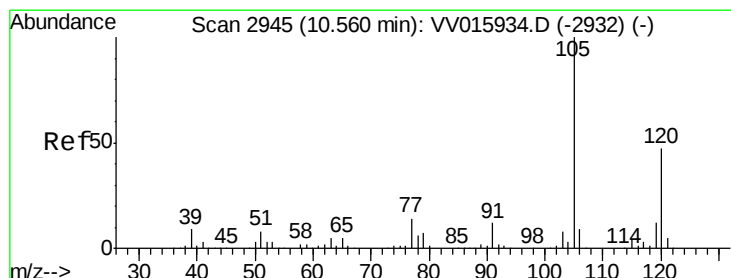
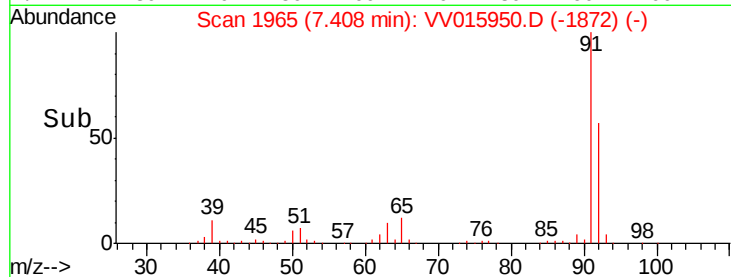
0

Time-->

7.30

7.40

7.50



#43

1,3,5-Trimethylbenzene

Concen: 5.415 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VV015950.D

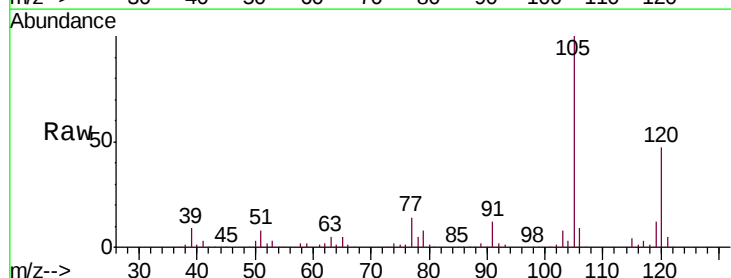
Acq: 07 May 2020 19:51

Tgt Ion: 105 Resp: 195506

Ion Ratio Lower Upper

105 100

120 47.6 0.0 0.0#



Abundance Ion 105.00 (104.70 to 105.70): VV015934.D (-2932) (-)

Ion 120.00 (119.70 to 120.70): VV015934.D (-2932) (-)

10.56

150000

100000

50000

0

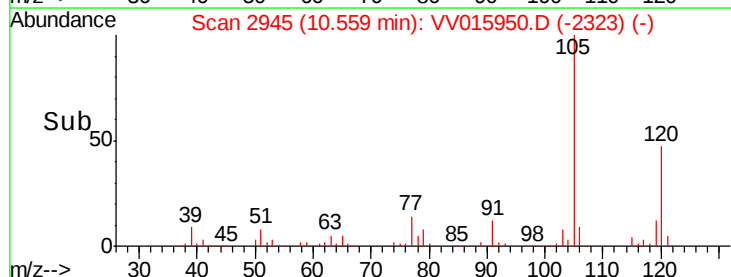
Time-->

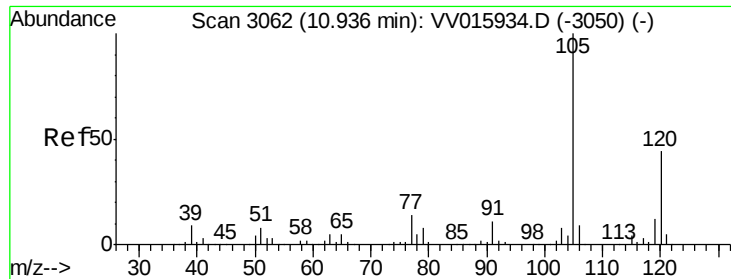
10.50

10.55

10.60

10.65

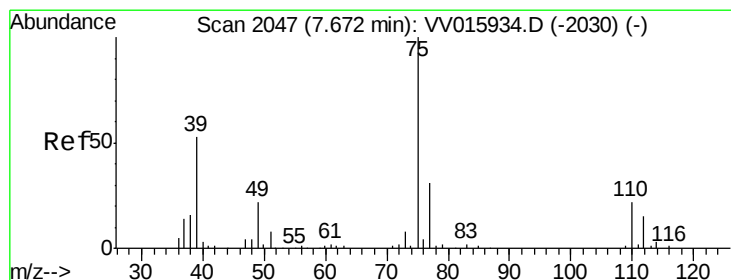
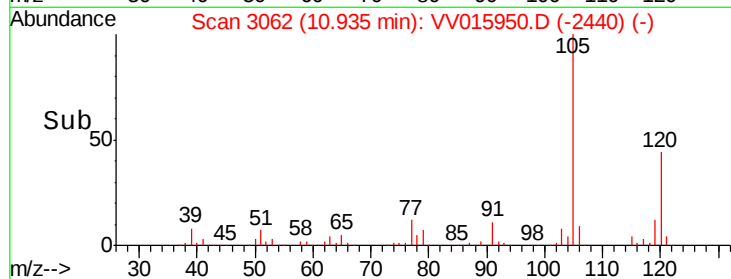
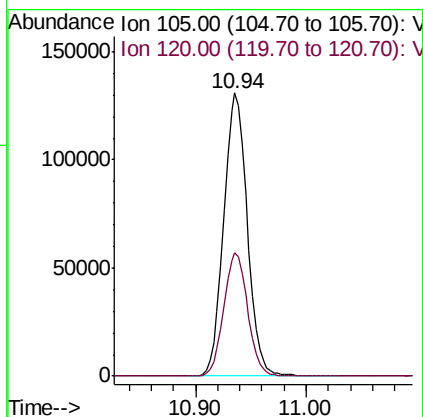
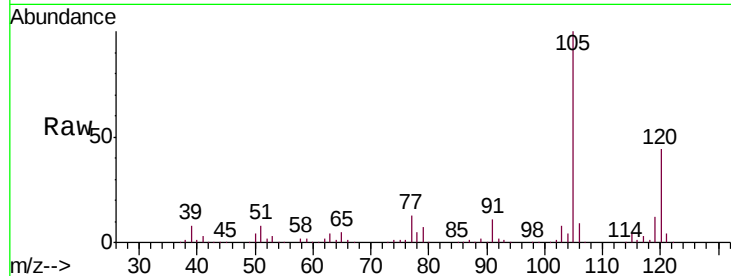




#44
 1,2,4-Trimethylbenzene
 Concen: 5.391 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VV015950.D
 Acq: 07 May 2020 19:51

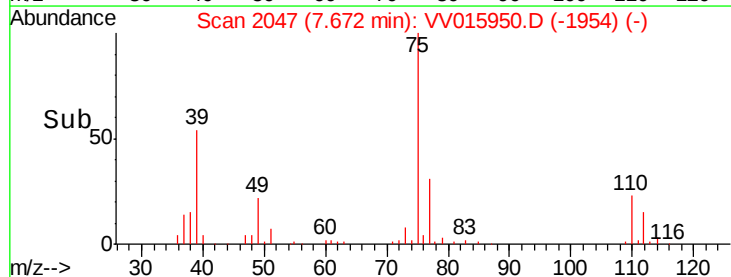
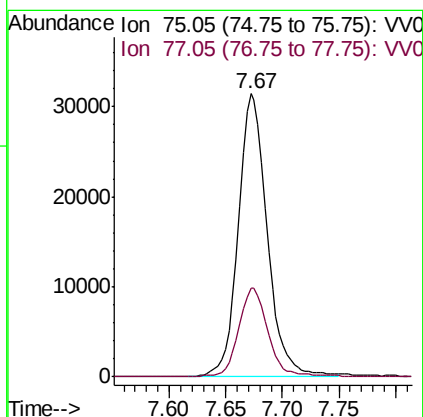
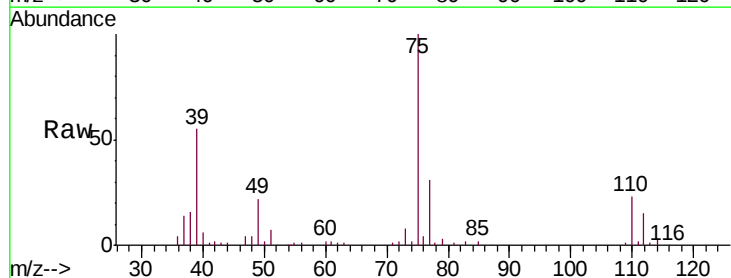
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00559

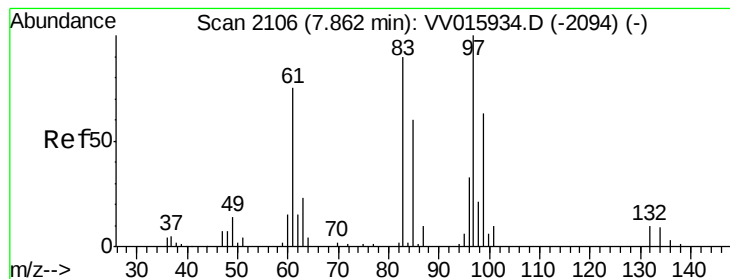
Tgt Ion: 105 Resp: 194496
 Ion Ratio Lower Upper
 105 100
 120 44.1 0.0 0.0#



#46
 trans-1,3-Dichloropropene
 Concen: 4.998 ug/L
 RT: 7.67 min Scan# 2047
 Delta R.T. -0.00 min
 Lab File: VV015950.D
 Acq: 07 May 2020 19:51

Tgt Ion: 75 Resp: 56256
 Ion Ratio Lower Upper
 75 100
 77 31.2 21.3 39.6





#47

1,1,2-Trichloroethane

Concen: 5.191 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. -0.00 min

Lab File: VV015950.D

Acq: 07 May 2020 19:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD00559

Tgt Ion: 97 Resp: 32682

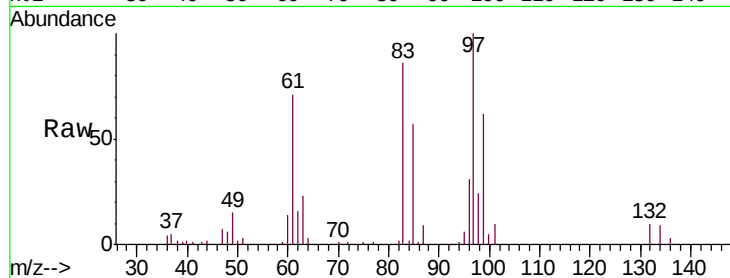
Ion Ratio Lower Upper

97 100

99 61.5 42.1 78.1

83 85.7 59.2 110.0

85 57.4 38.6 71.8



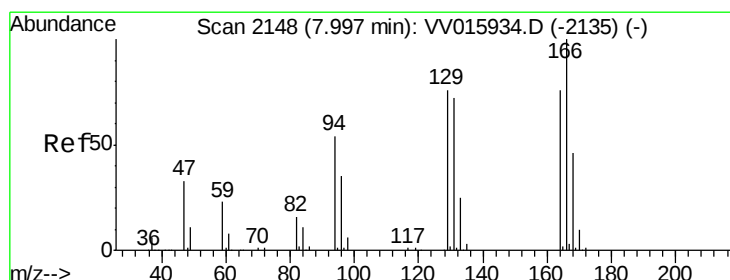
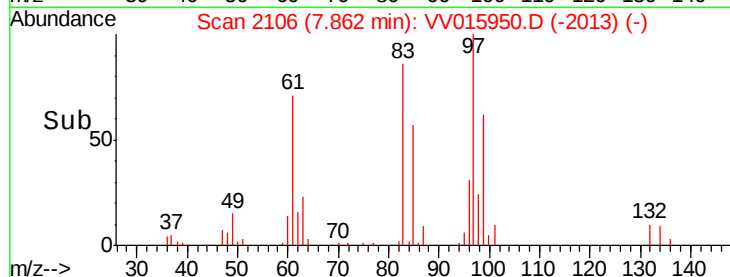
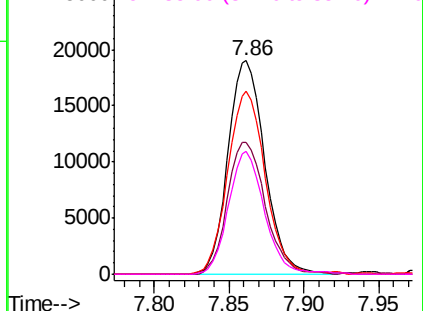
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#49

Tetrachloroethene

Concen: 5.292 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV015950.D

Acq: 07 May 2020 19:51

Tgt Ion: 164 Resp: 39104

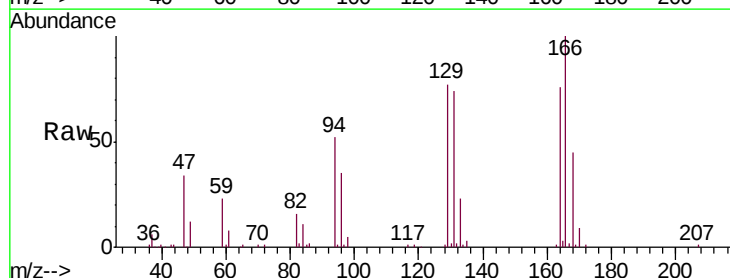
Ion Ratio Lower Upper

164 100

129 101.4 69.7 129.4

131 97.7 66.8 124.2

166 132.0 89.1 165.5



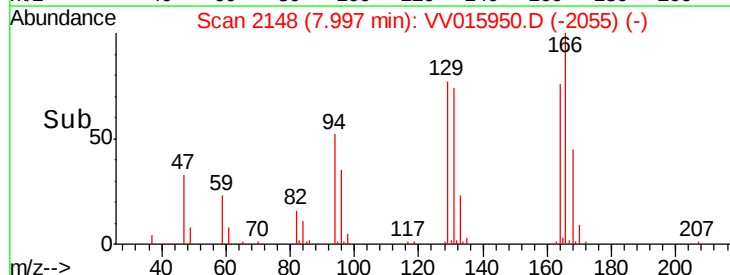
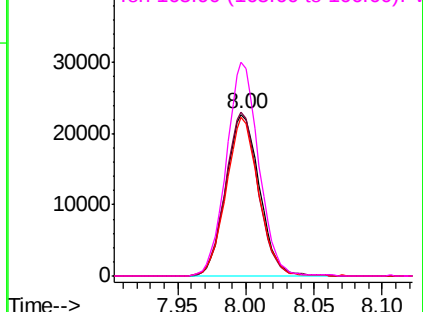
Abundance

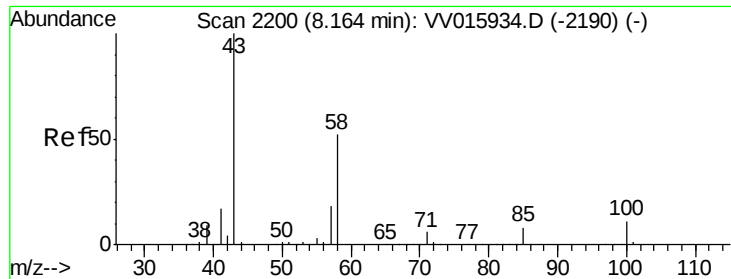
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

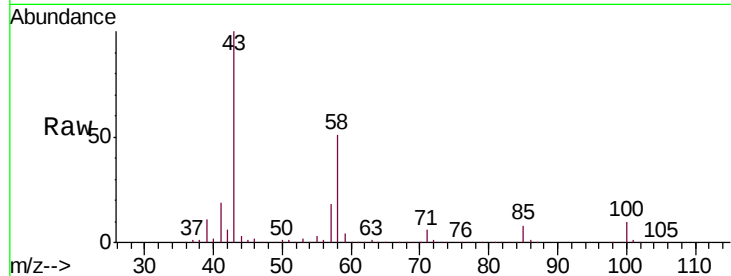




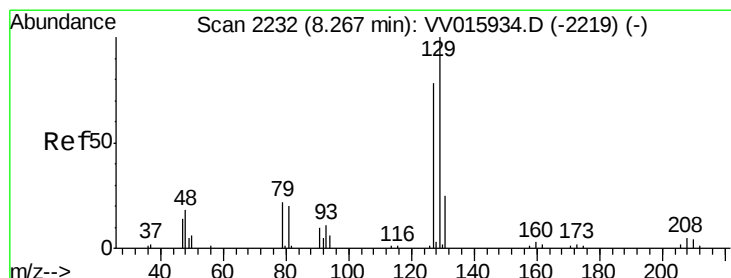
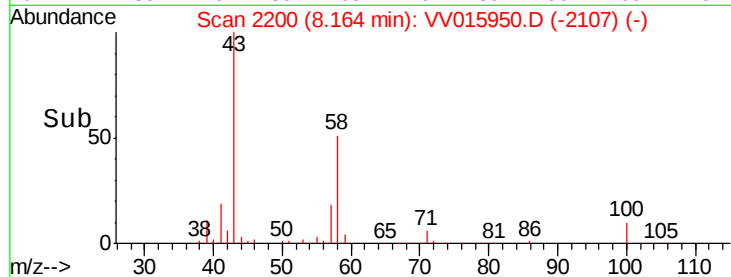
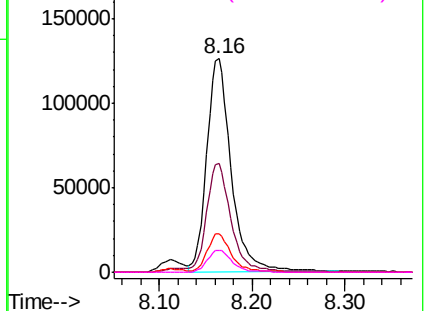
#50
2-Hexanone
Concen: 55.345 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. -0.00 min
Lab File: VV015950.D
Acq: 07 May 2020 19:51

Instrument :
MSVOA_V
ClientSampleId :
VSTD00559

Tgt Ion: 43 Resp: 229966
Ion Ratio Lower Upper
43 100
58 50.5 40.8 61.2
57 17.7 14.7 22.1
100 10.7 9.0 13.6

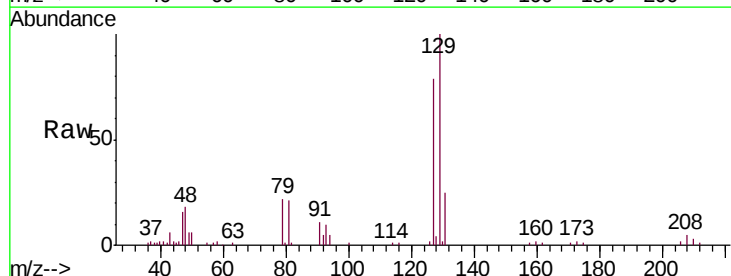


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

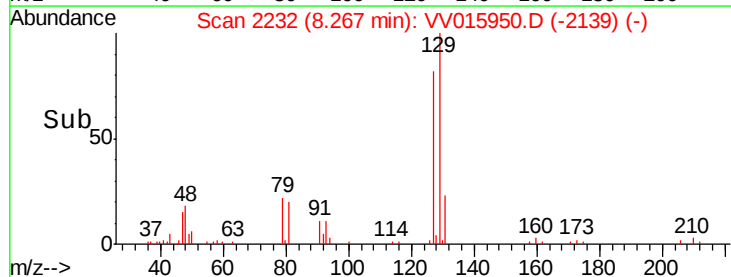
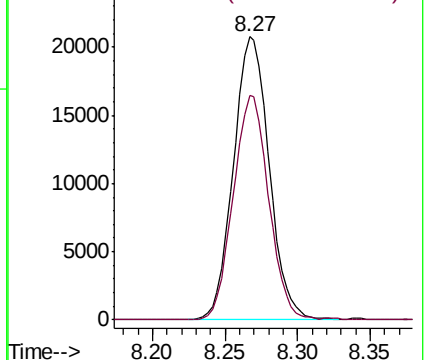


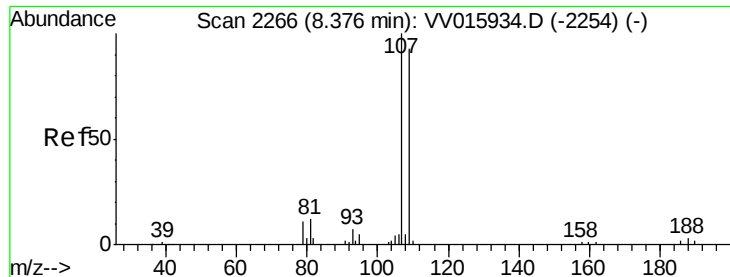
#51
Dibromochloromethane
Concen: 5.042 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV015950.D
Acq: 07 May 2020 19:51

Tgt Ion: 129 Resp: 35665
Ion Ratio Lower Upper
129 100
127 79.2 56.0 104.0



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





#52

1,2-Dibromoethane

Concen: 5.229 ug/L

RT: 8.38 min Scan# 2266

Delta R.T. -0.00 min

Lab File: VV015950.D

Acq: 07 May 2020 19:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD00559

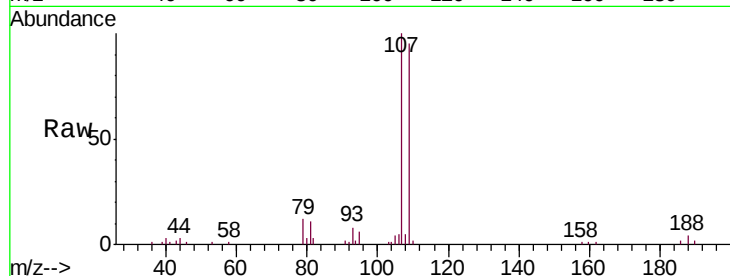
Tgt Ion:107 Resp: 30529

Ion Ratio Lower Upper

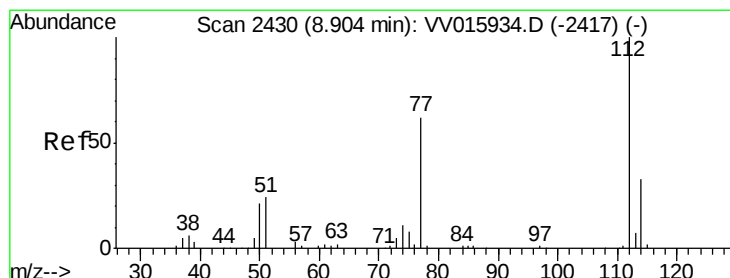
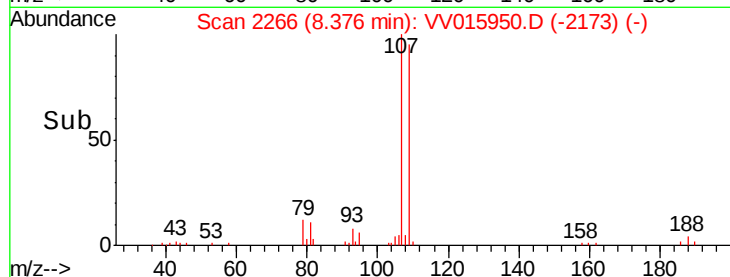
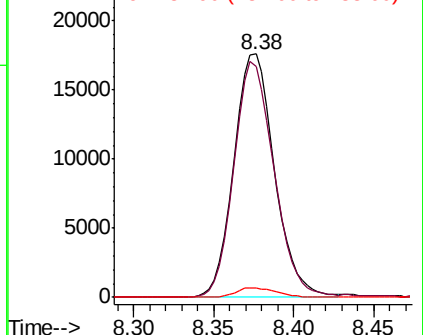
107 100

109 94.6 68.9 127.9

188 3.7 2.7 4.1



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



#53

Chlorobenzene

Concen: 5.306 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VV015950.D

Acq: 07 May 2020 19:51

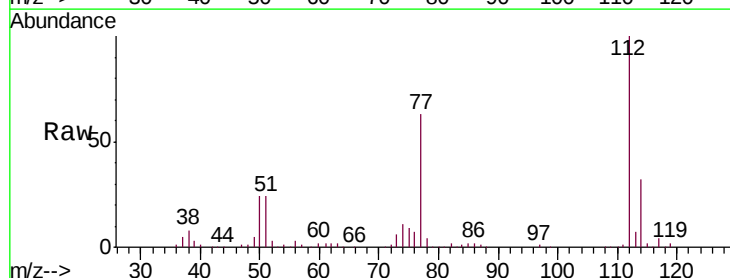
Tgt Ion:112 Resp: 134219

Ion Ratio Lower Upper

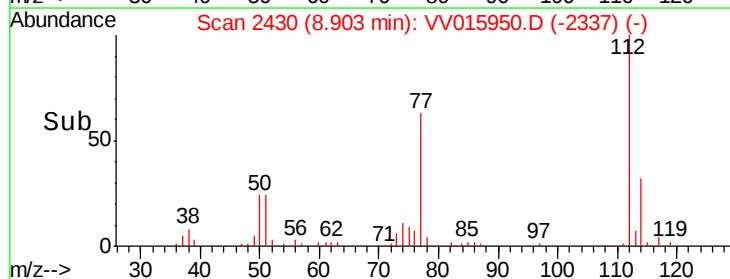
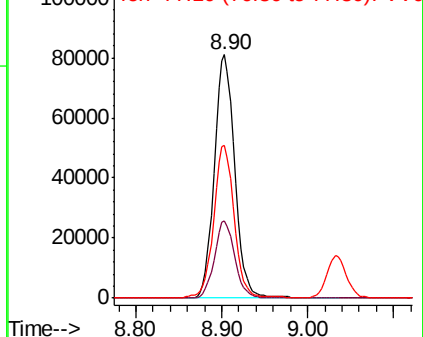
112 100

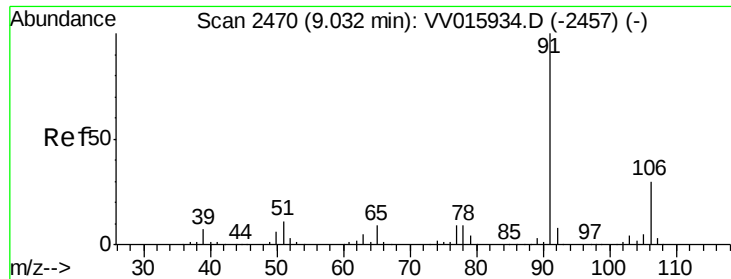
114 31.9 21.6 40.0

77 63.0 48.6 73.0



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





#54

Ethylbenzene

Concen: 5.321 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV015950.D

Acq: 07 May 2020 19:51

Instrument :

MSVOA_V

ClientSampleId :

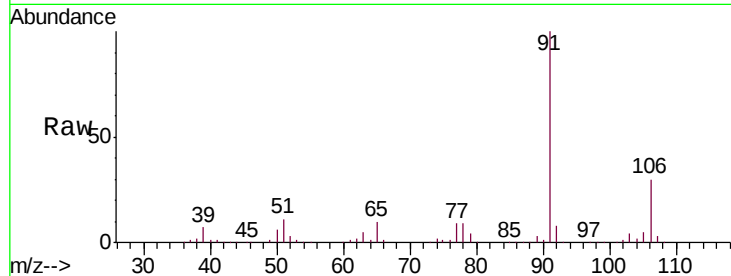
VSTD00559

Tgt Ion: 91 Resp: 237954

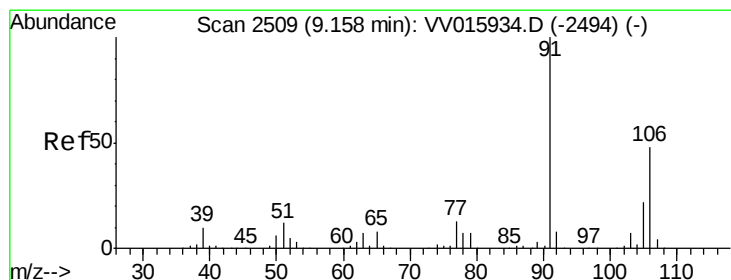
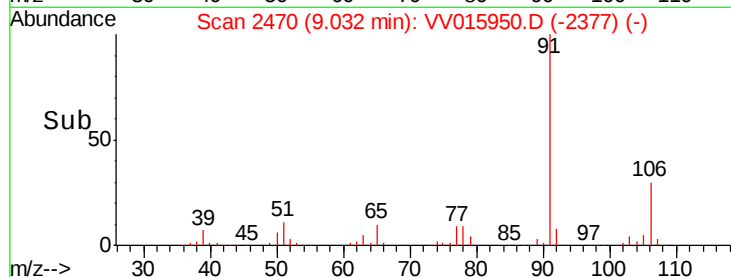
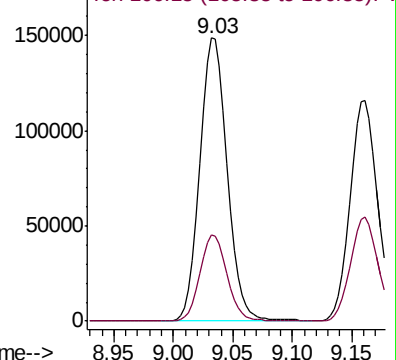
Ion Ratio Lower Upper

91 100

106 30.3 20.6 38.4



Abundance Ion 91.15 (90.85 to 91.85): VV015950.D (-2377) (-)



#55

m,p-xylene

Concen: 5.315 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV015950.D

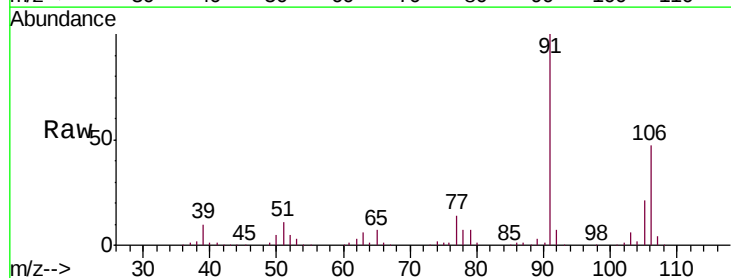
Acq: 07 May 2020 19:51

Tgt Ion: 106 Resp: 88007

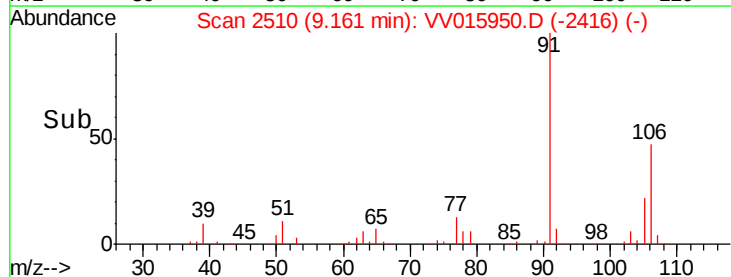
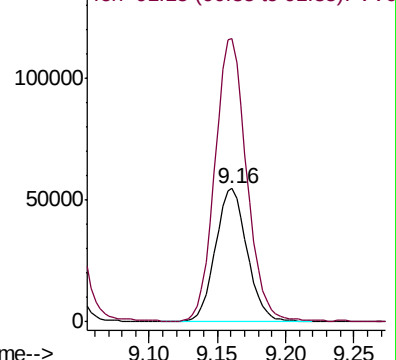
Ion Ratio Lower Upper

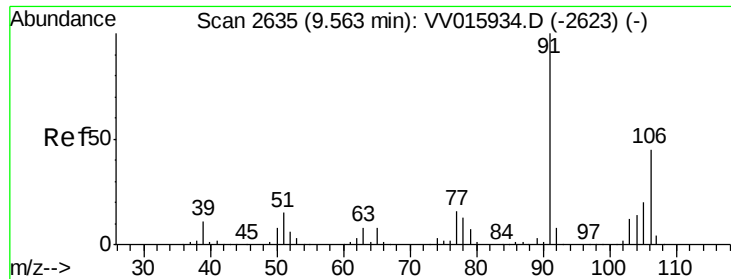
106 100

91 212.6 149.9 278.3



Abundance Ion 106.15 (105.85 to 106.85): VV015950.D (-2416) (-)

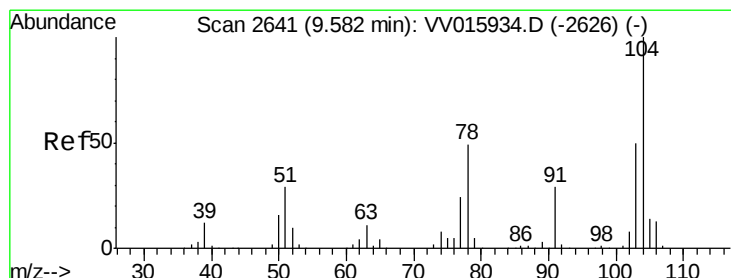
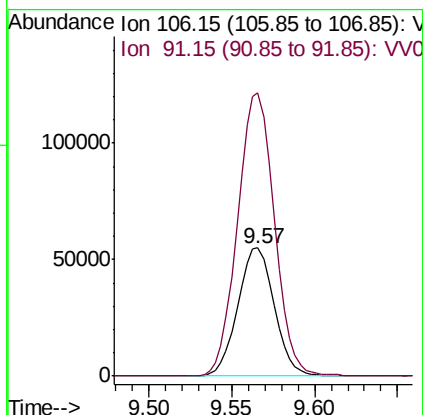
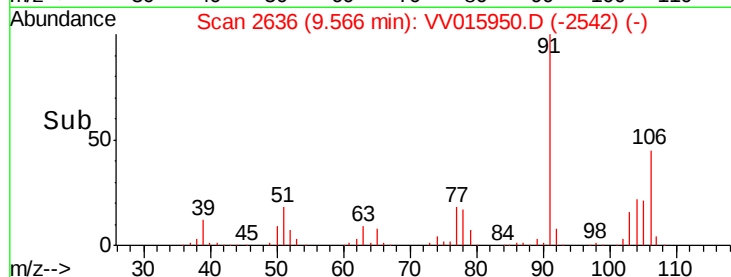
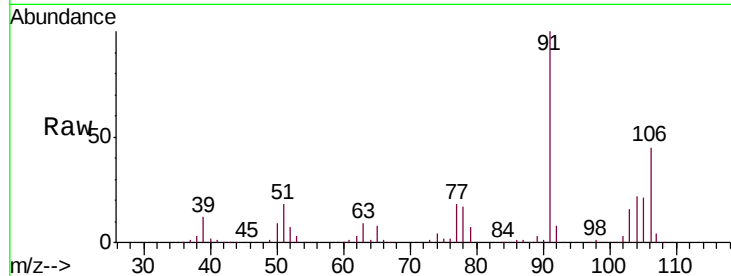




#56
o-xylene
Concen: 5.349 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV015950.D
Acq: 07 May 2020 19:51

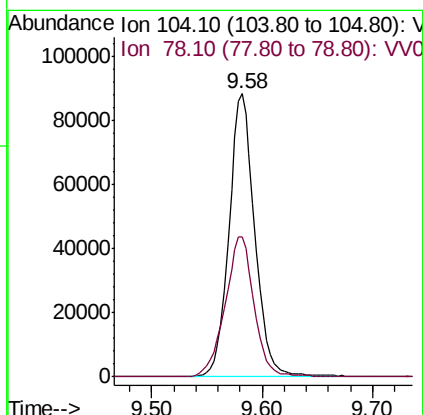
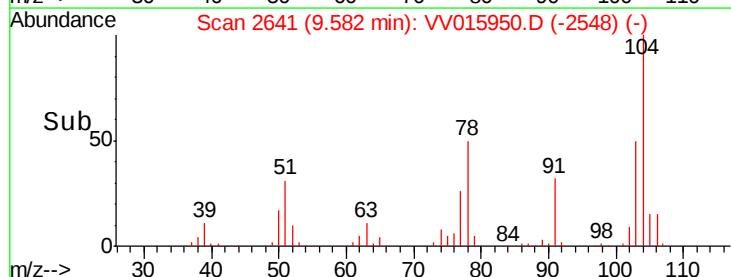
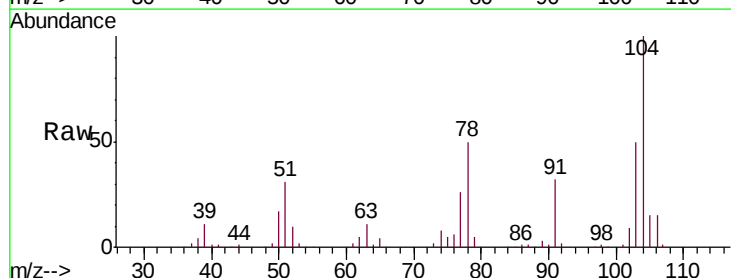
Instrument :
MSVOA_V
ClientSampleId :
VSTD00559

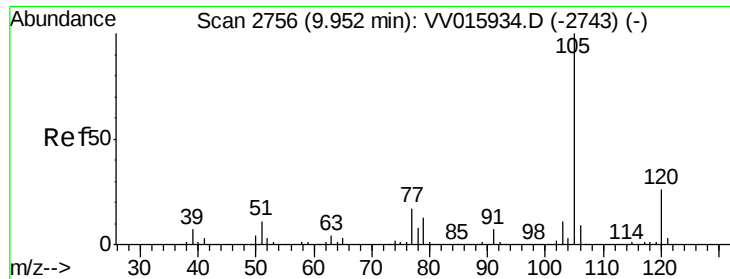
Tgt Ion:106 Resp: 84682
Ion Ratio Lower Upper
106 100
91 220.6 159.7 296.5



#57
Styrene
Concen: 5.402 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. -0.00 min
Lab File: VV015950.D
Acq: 07 May 2020 19:51

Tgt Ion:104 Resp: 143043
Ion Ratio Lower Upper
104 100
78 49.6 33.9 63.0





#58

Isopropylbenzene

Concen: 5.373 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV015950.D

Acq: 07 May 2020 19:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD00559

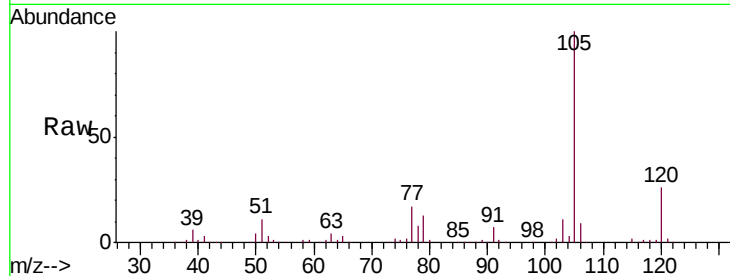
Tgt Ion: 105 Resp: 233711

Ion Ratio Lower Upper

105 100

120 25.5 20.8 31.2

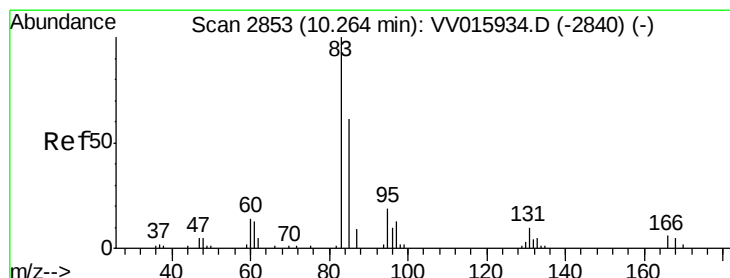
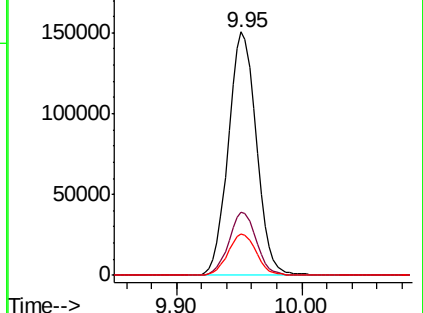
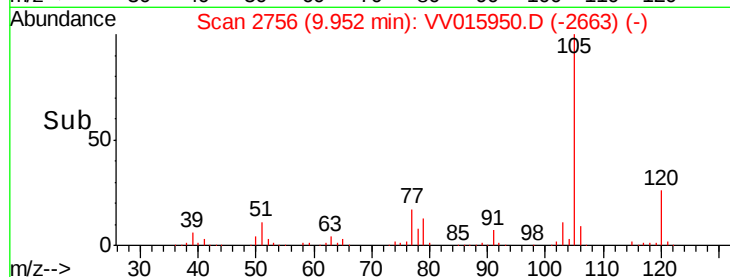
77 17.0 14.1 21.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#60

1,1,2,2-Tetrachloroethane

Concen: 5.551 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV015950.D

Acq: 07 May 2020 19:51

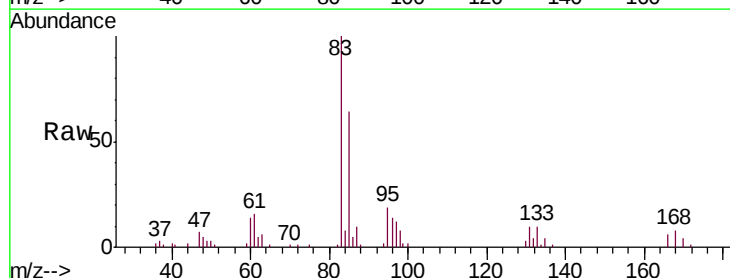
Tgt Ion: 83 Resp: 37345

Ion Ratio Lower Upper

83 100

85 63.7 44.0 81.6

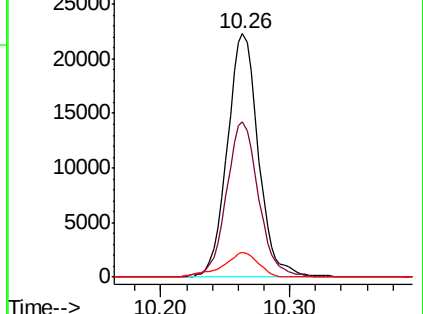
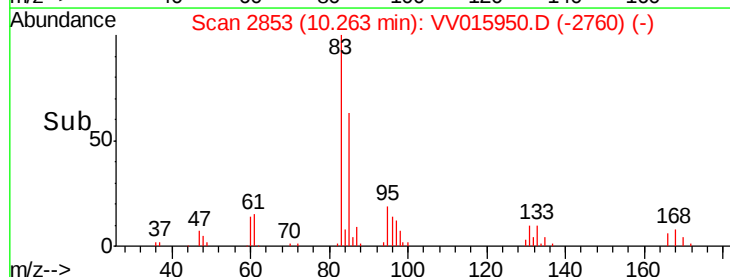
131 9.9 7.7 11.5

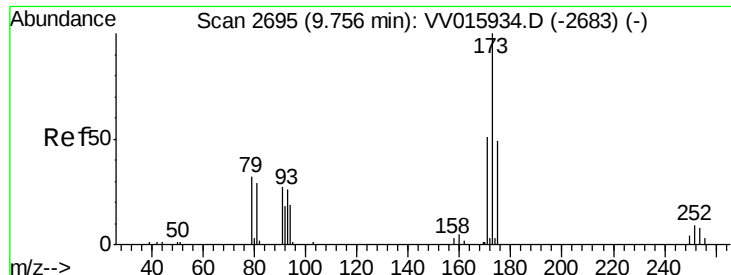


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#62

Bromoform

Concen: 4.885 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV015950.D

Acq: 07 May 2020 19:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD00559

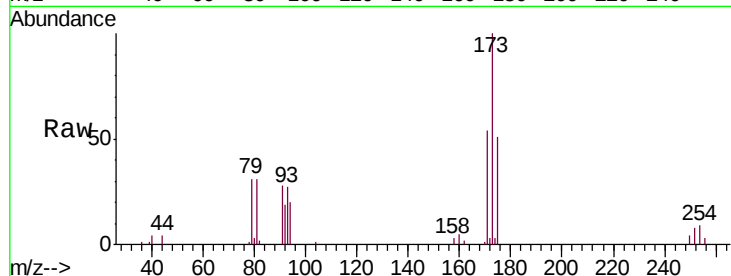
Tgt Ion:173 Resp: 16807

Ion Ratio Lower Upper

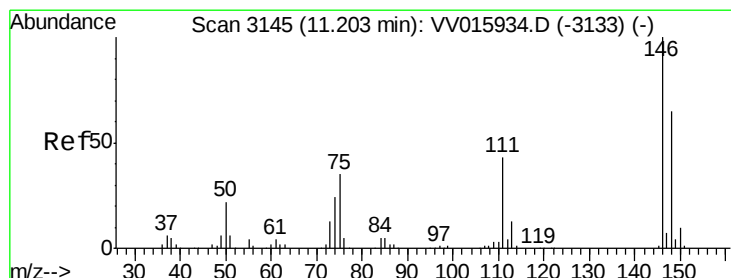
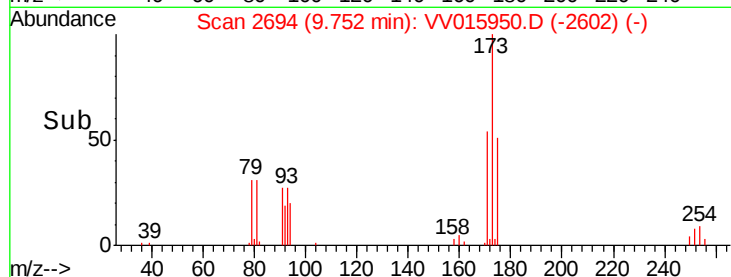
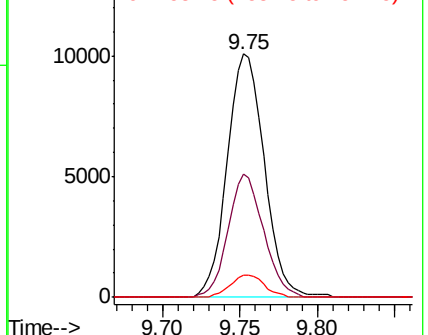
173 100

175 48.1 39.8 59.8

254 8.4 7.1 10.7



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



#63

1,3-Dichlorobenzene

Concen: 5.232 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV015950.D

Acq: 07 May 2020 19:51

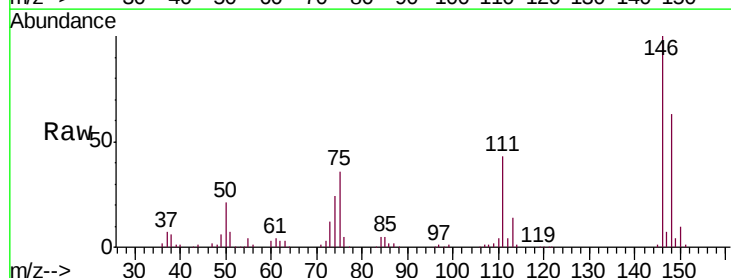
Tgt Ion:146 Resp: 105567

Ion Ratio Lower Upper

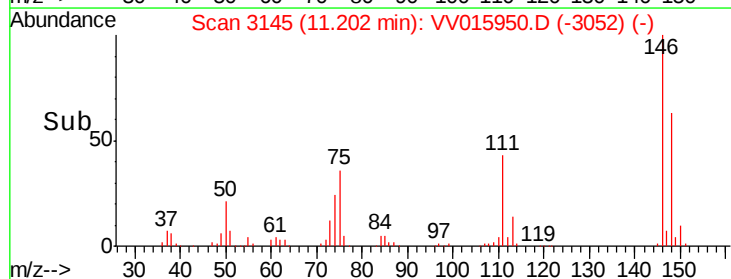
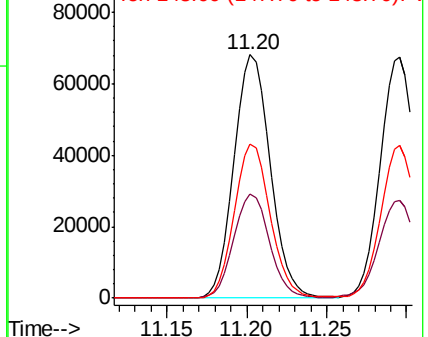
146 100

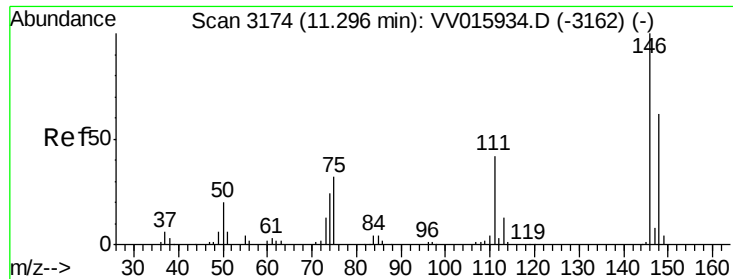
111 42.5 28.7 53.3

148 63.4 44.0 81.8



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





#64

1,4-Dichlorobenzene

Concen: 5.258 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. -0.00 min

Lab File: VV015950.D

Acq: 07 May 2020 19:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD00559

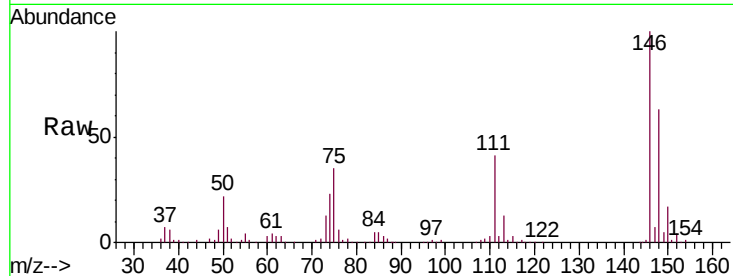
Tgt Ion:146 Resp: 106587

Ion Ratio Lower Upper

146 100

111 40.7 28.9 53.7

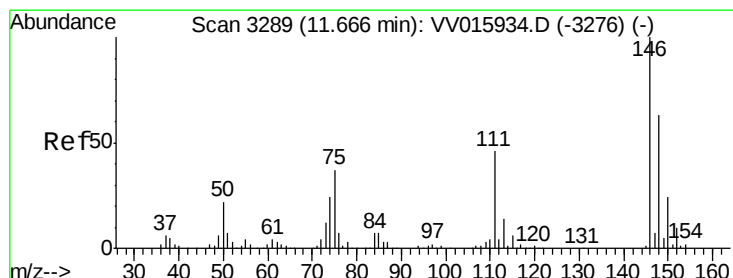
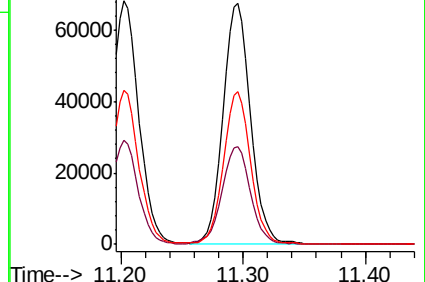
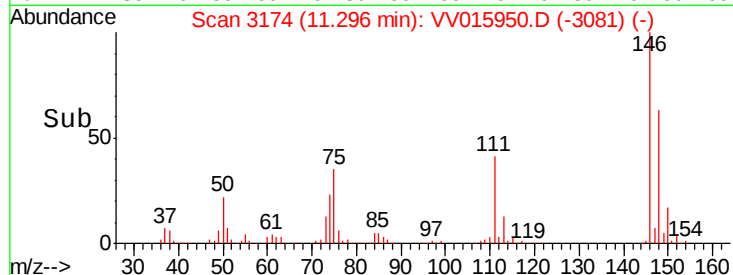
148 63.0 44.6 82.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dichlorobenzene

Concen: 5.257 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV015950.D

Acq: 07 May 2020 19:51

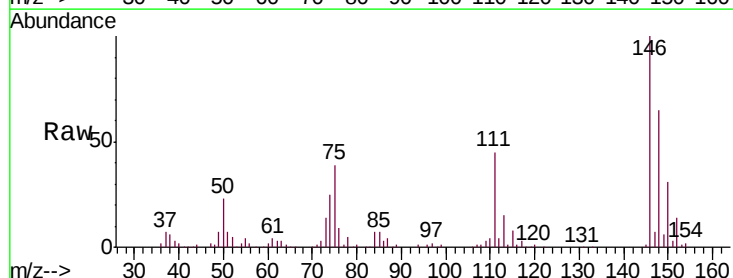
Tgt Ion:146 Resp: 95992

Ion Ratio Lower Upper

146 100

111 45.2 37.0 55.4

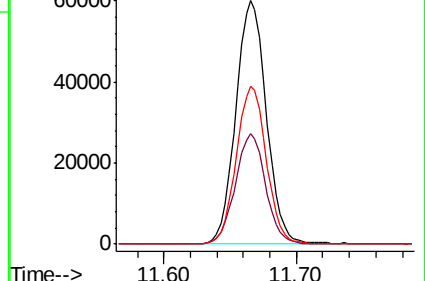
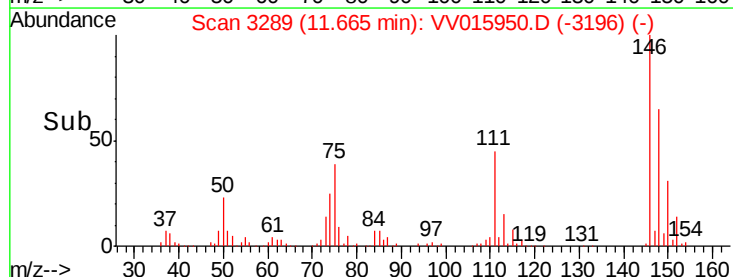
148 64.9 49.8 74.6

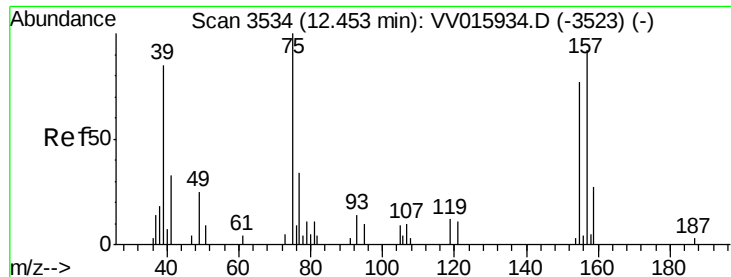


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#67

1,2-Dibromo-3-chloropropane

Concen: 5.083 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV015950.D

Acq: 07 May 2020 19:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD00559

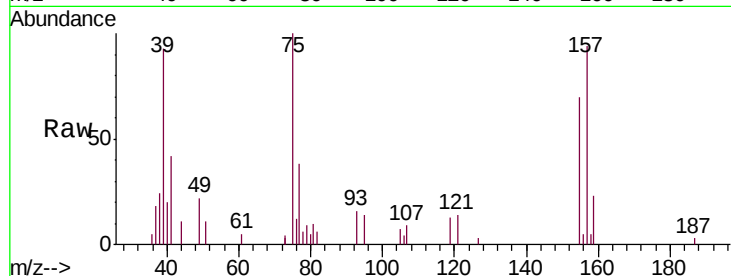
Tgt Ion: 75 Resp: 6058

Ion Ratio Lower Upper

75 100

155 69.6 58.2 87.4

157 94.2 79.4 119.2

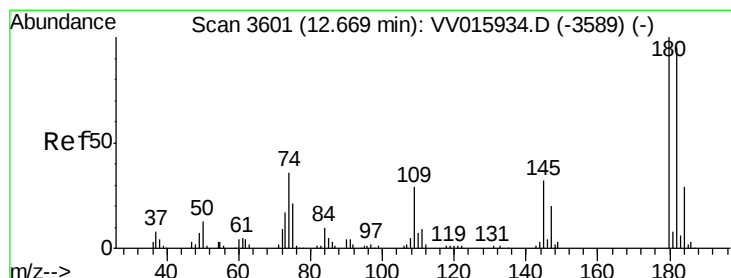
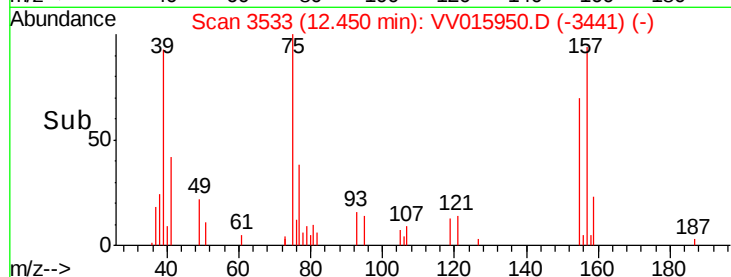
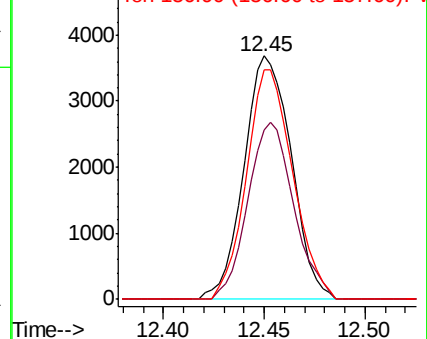


Abundance Ion 75.05 (74.75 to 75.75): VV015950.D (-3441) (-)

5000

Ion 154.95 (154.65 to 155.65): VV015950.D (-3441) (-)

Ion 156.90 (156.60 to 157.60): VV015950.D (-3441) (-)



#68

1,3,5-Trichlorobenzene

Concen: 5.239 ug/L

RT: 12.67 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VV015950.D

Acq: 07 May 2020 19:51

Tgt Ion: 180 Resp: 77283

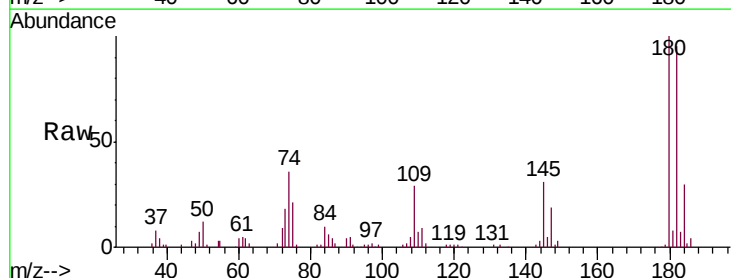
Ion Ratio Lower Upper

180 100

182 94.2 75.8 113.6

184 29.1 24.6 36.8

145 31.0 26.0 39.0



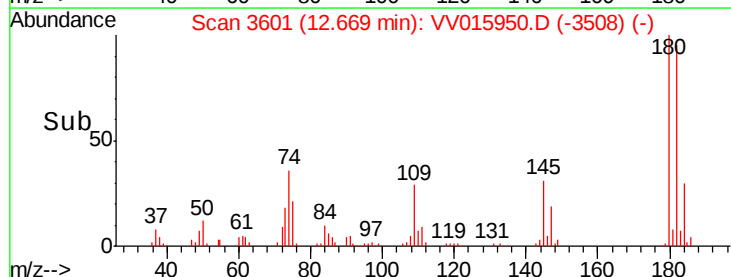
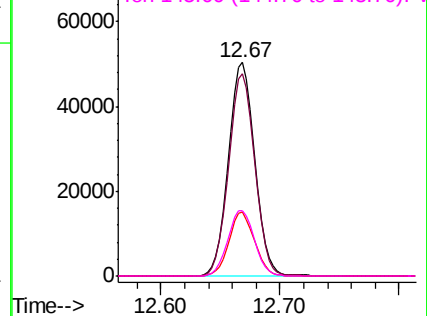
Abundance Ion 180.00 (179.70 to 180.70): VV015950.D (-3508) (-)

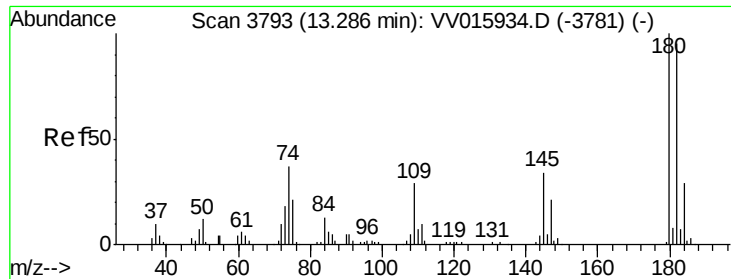
80000

Ion 182.00 (181.70 to 182.70): VV015950.D (-3508) (-)

Ion 184.00 (183.70 to 184.70): VV015950.D (-3508) (-)

Ion 145.00 (144.70 to 145.70): VV015950.D (-3508) (-)

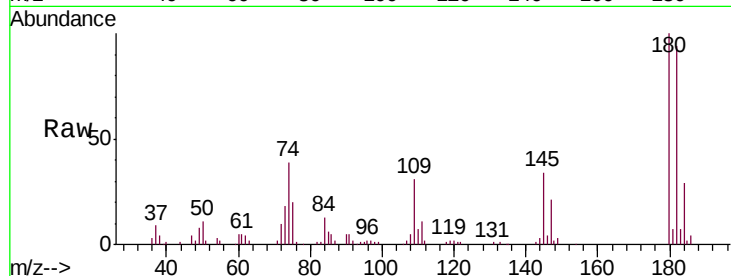




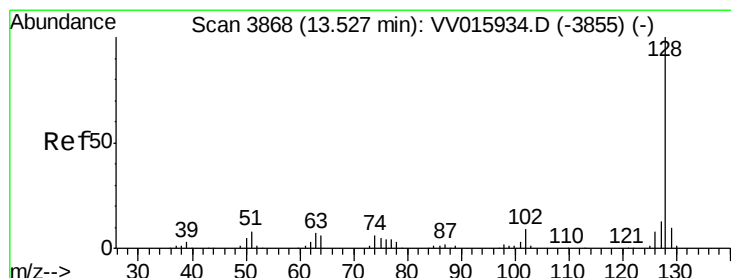
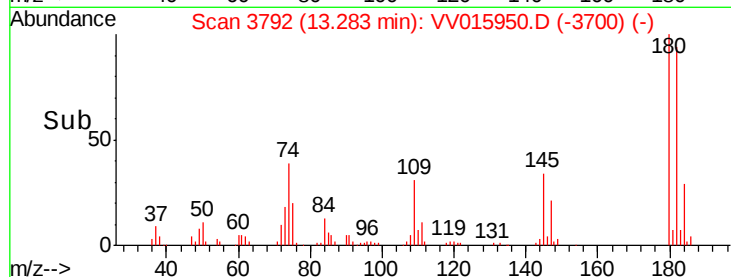
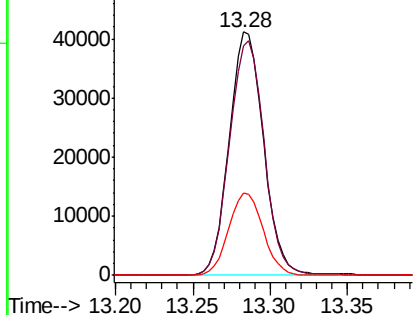
#69
 1,2,4-trichlorobenzene
 Concen: 4.998 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV015950.D
 Acq: 07 May 2020 19:51

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00559

Tgt Ion:180 Resp: 63350
 Ion Ratio Lower Upper
 180 100
 182 97.2 76.7 115.1
 145 33.8 26.4 39.6

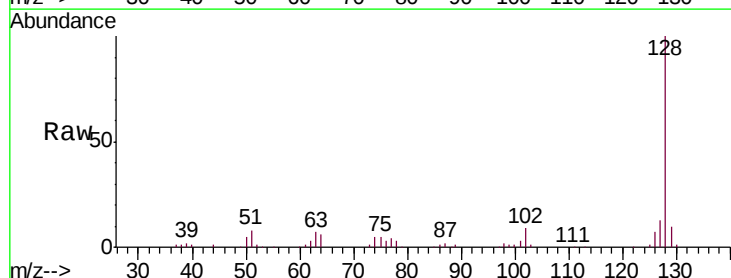


Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

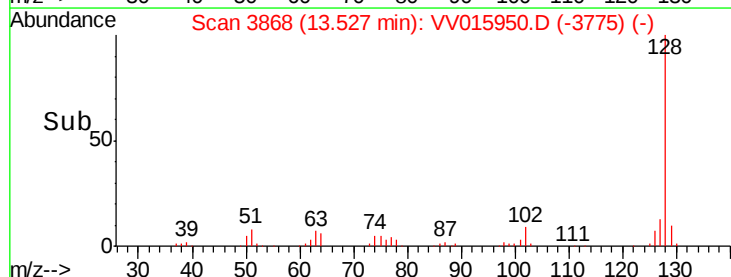
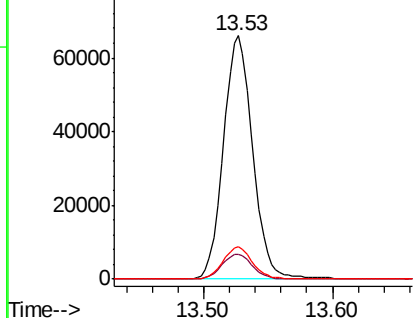


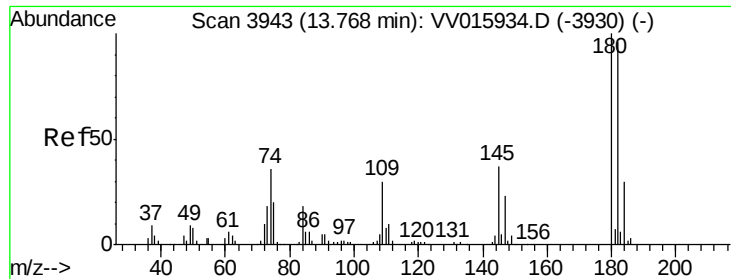
#70
 Naphthalene
 Concen: 5.136 ug/L
 RT: 13.53 min Scan# 3868
 Delta R.T. -0.00 min
 Lab File: VV015950.D
 Acq: 07 May 2020 19:51

Tgt Ion:128 Resp: 103528
 Ion Ratio Lower Upper
 128 100
 129 10.6 8.5 12.7
 127 13.3 10.2 15.2



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

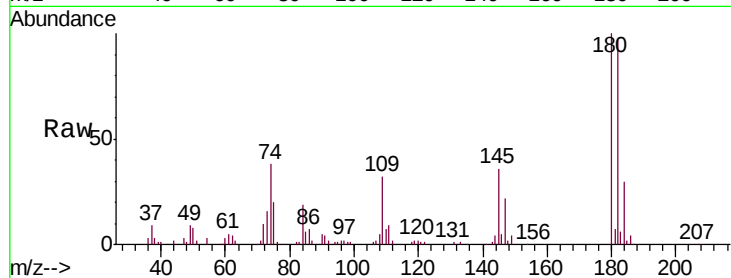




#71
 1,2,3-Trichlorobenzene
 Concen: 5.129 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VV015950.D
 Acq: 07 May 2020 19:51

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00559

Tgt Ion	Resp	Lower	Upper
180	57353		
182	95.9	77.0	115.6
145	35.2	28.3	42.5



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 181.90 (181.60 to 182.60): V
 Ion 144.95 (144.65 to 145.65): V

