

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV022420\
 Data File : VV014690.D
 Acq On : 24 Feb 2020 10:19
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05074

Quant Time: Feb 25 06:33:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM022120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Feb 24 17:02:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	207251	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	196975	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	102645	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	30710	37.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.88%
7) Chloroethane-d5	1.59	69	24692	42.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.18%
11) 1,1-Dichloroethene-d2	2.13	63	67710	44.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.76%
21) 2-Butanone-d5	3.95	46	68115	90.53	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.53%
24) Chloroform-d	4.40	84	126991	47.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.84%
26) 1,2-Dichloroethane-d4	5.08	65	84072	49.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.24%
32) Benzene-d6	5.09	84	233800	44.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.68%
36) 1,2-Dichloropropane-d6	6.11	67	68493	45.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.12%
41) Toluene-d8	7.35	98	228234	45.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.90%
43) trans-1,3-Dichloropropene-	7.66	79	39774	46.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.40%
47) 2-Hexanone-d5	8.13	63	54347	89.20	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.20%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	99882	47.42	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.84%
64) 1,2-Dichlorobenzene-d4	11.67	152	93766	46.69	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.38%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	81787	55.853	ug/L	100
3) Chloromethane	1.25	50	34303	44.296	ug/L	98
5) Vinyl chloride	1.33	62	37804	48.606	ug/L	95
6) Bromomethane	1.54	94	25075	54.278	ug/L	100
8) Chloroethane	1.60	64	20201	47.617	ug/L	98
9) Trichlorofluoromethane	1.77	101	94297	55.886	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	38773	55.235	ug/L	97
12) 1,1-Dichloroethene	2.14	96	32615	51.625	ug/L	99
13) Acetone	2.21	43	88366	132.270	ug/L	95
14) Carbon disulfide	2.32	76	147417	51.545	ug/L	99
15) Methyl Acetate	2.47	43	50399	46.179	ug/L	97
16) Methylene chloride	2.54	84	67581	51.278	ug/L	97
17) trans-1,2-Dichloroethene	2.79	96	64329	52.511	ug/L	99
18) Methyl tert-butyl Ether	2.80	73	216480	52.563	ug/L	99
19) 1,1-Dichloroethane	3.23	63	113798	51.537	ug/L	100
20) cis-1,2-Dichloroethene	3.96	96	75505	53.063	ug/L	96
22) 2-Butanone	4.03	43	93414	110.416	ug/L	95

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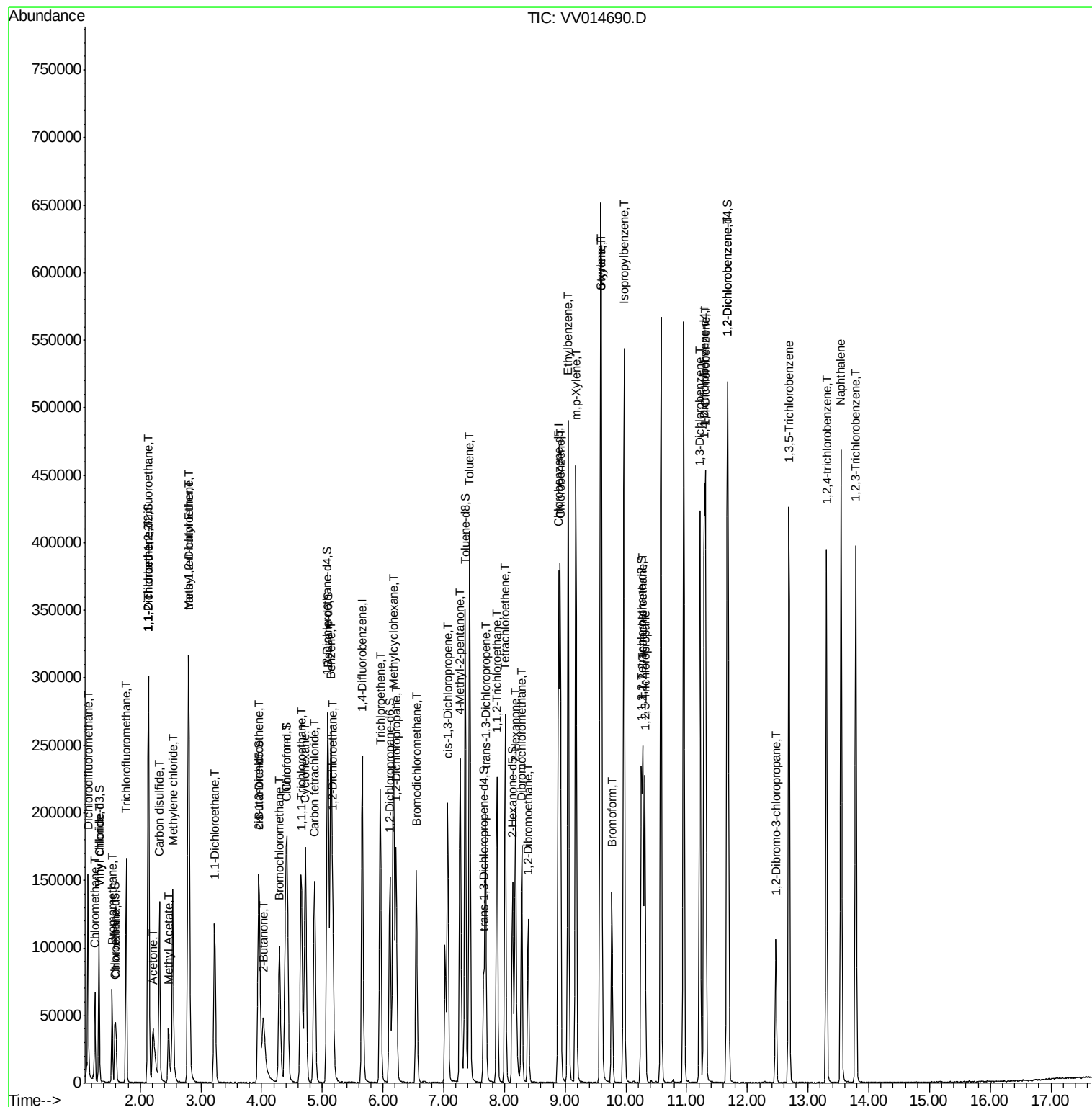
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	38613	53.454	ug/L	95
25) Chloroform	4.42	83	137722	53.618	ug/L	98
27) 1,2-Dichloroethane	5.17	62	104778	55.663	ug/L	97
29) Cyclohexane	4.72	56	91960	49.954	ug/L	96
30) 1,1,1-Trichloroethane	4.65	97	124858	54.507	ug/L	98
31) Carbon tetrachloride	4.87	117	112203	55.361	ug/L	98
33) Benzene	5.14	78	259626	51.108	ug/L	100
34) Trichloroethene	5.96	95	74278	50.231	ug/L	97
35) Methylcyclohexane	6.17	83	114391	54.193	ug/L	99
37) 1,2-Dichloropropane	6.22	63	62787	50.533	ug/L	98
38) Bromodichloromethane	6.55	83	103420	54.004	ug/L	99
39) cis-1,3-Dichloropropene	7.06	75	114683	51.684	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	153142	99.497	ug/L	100
42) Toluene	7.42	91	290182	52.835	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	107534	53.416	ug/L	98
45) 1,1,2-Trichloroethane	7.87	97	68803	51.736	ug/L	99
46) Tetrachloroethene	8.01	164	58790	54.955	ug/L	99
48) 2-Hexanone	8.18	43	129649	107.396	ug/L	99
49) Dibromochloromethane	8.28	129	87919	55.630	ug/L	100
50) 1,2-Dibromoethane	8.39	107	75895	51.797	ug/L	99
51) Chlorobenzene	8.92	112	196633	52.541	ug/L	99
52) Ethylbenzene	9.05	91	338124	53.720	ug/L	99
53) m,p-Xylene	9.17	106	130123	53.471	ug/L	98
54) o-xylene	9.58	106	126768	53.524	ug/L	97
55) Styrene	9.60	104	217184	54.999	ug/L	98
56) Isopropylbenzene	9.97	105	348078	55.594	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	107229	52.368	ug/L	100
59) 1,2,3-Trichloropropane	10.31	75	88226	52.481	ug/L	99
61) Bromoform	9.77	173	61273	54.992	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	163330	53.076	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	166260	52.793	ug/L	100
65) 1,2-Dichlorobenzene	11.68	146	159740	52.133	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	27085	51.988	ug/L	96
67) 1,3,5-Trichlorobenzene	12.68	180	123768	54.720	ug/L	99
68) 1,2,4-trichlorobenzene	13.30	180	112998	53.260	ug/L	98
69) Naphthalene	13.54	128	356706	50.059	ug/L	99
70) 1,2,3-Trichlorobenzene	13.78	180	114412	52.487	ug/L	99

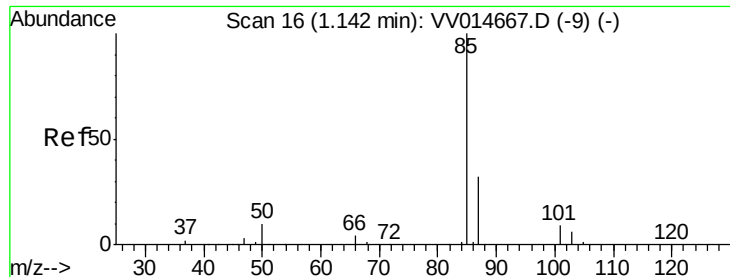
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 55.853 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV014690.D

Acq: 24 Feb 2020 10:19

Instrument :

MSVOA_V

ClientSampleId :

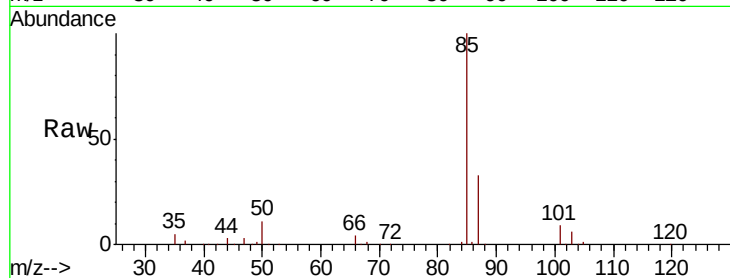
VSTD05074

Tot Ion: 85 Resp: 81787

Ion Ratio Lower Upper

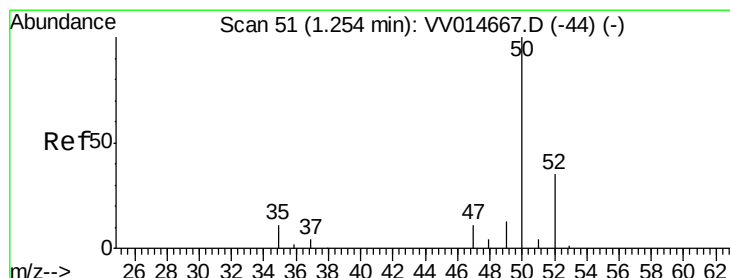
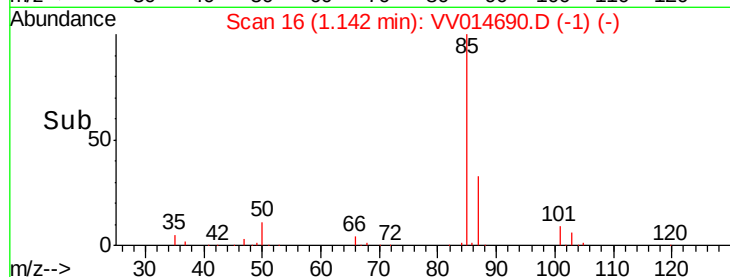
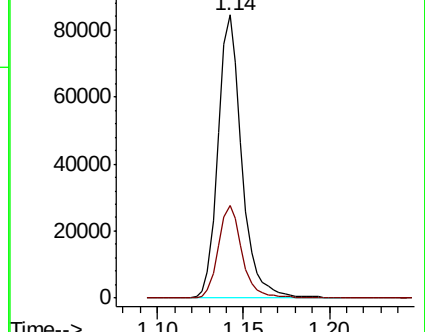
85 100

87 32.7 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VV014667.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VV014667.D (-9) (-)



#3

Chloromethane

Concen: 44.296 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV014690.D

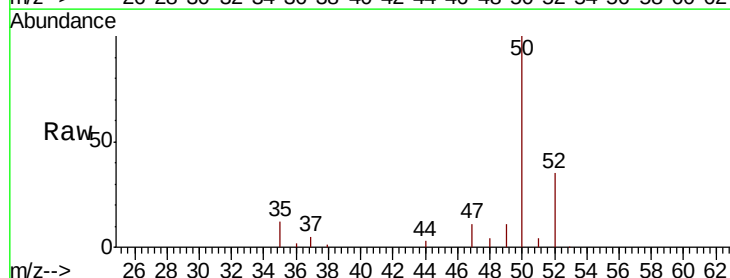
Acq: 24 Feb 2020 10:19

Tgt Ion: 50 Resp: 34303

Ion Ratio Lower Upper

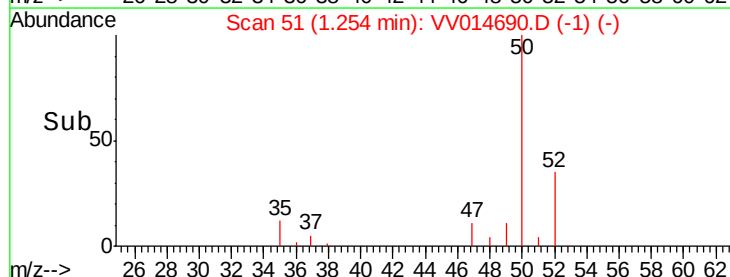
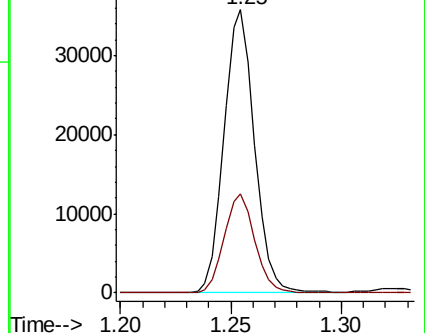
50 100

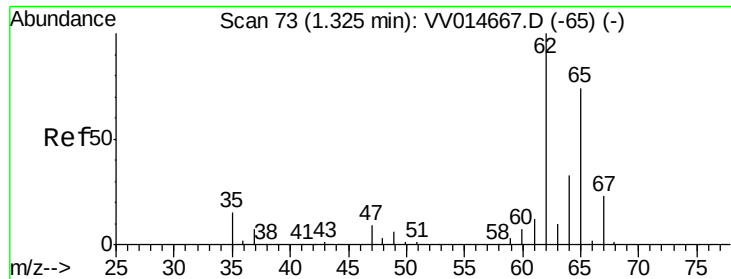
52 34.9 23.7 43.9



Abundance Ion 50.00 (49.70 to 50.70): VV014667.D (-44) (-)

Ion 52.00 (51.70 to 52.70): VV014667.D (-44) (-)





#5

Vinyl chloride

Concen: 48.606 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV014690.D

Acq: 24 Feb 2020 10:19

Instrument :

MSVOA_V

ClientSampleID :

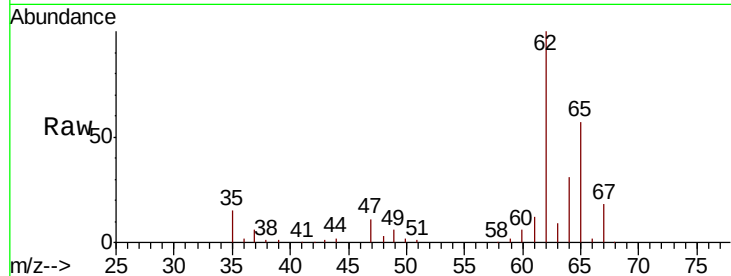
VSTD05074

Tot Ion: 62 Resp: 37804

Ion Ratio Lower Upper

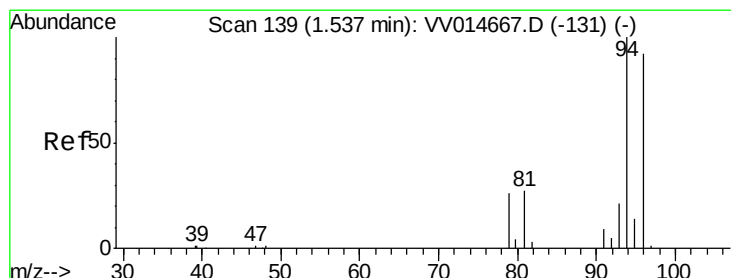
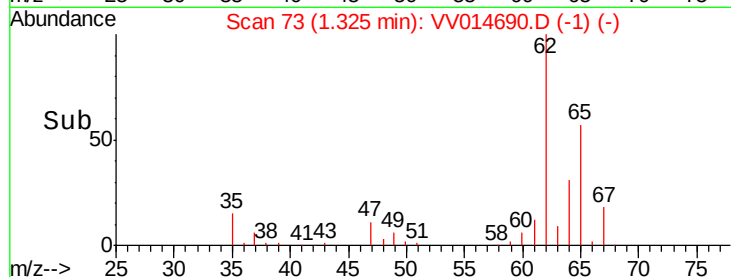
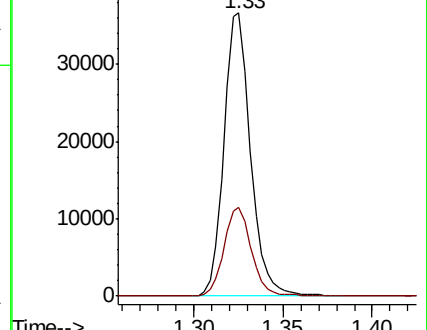
62 100

64 31.4 23.8 44.2



Abundance Ion 62.00 (61.70 to 62.70): VV014667.D (-65) (-)

Ion 64.00 (63.70 to 64.70): VV014667.D (-65) (-)



#6

Bromomethane

Concen: 54.278 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV014690.D

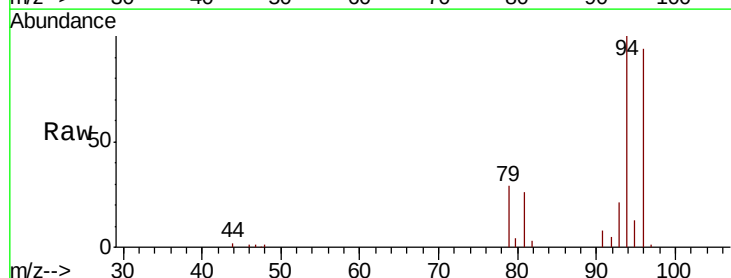
Acq: 24 Feb 2020 10:19

Tgt Ion: 94 Resp: 25075

Ion Ratio Lower Upper

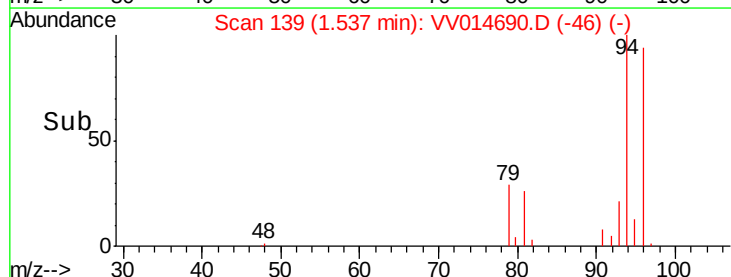
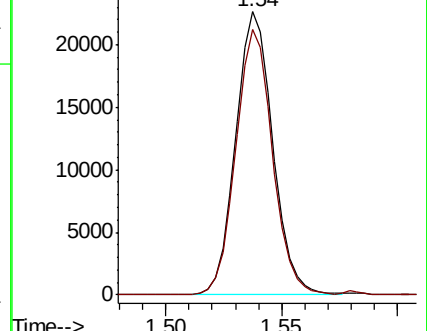
94 100

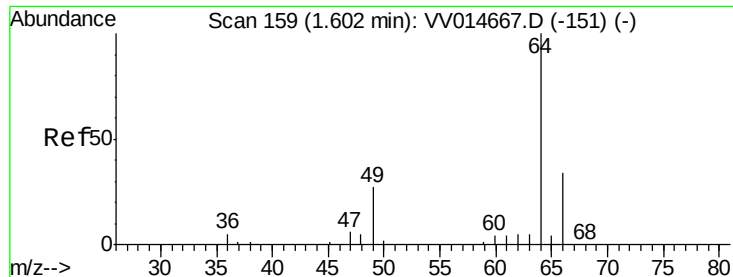
96 94.0 66.1 122.7



Abundance Ion 94.00 (93.70 to 94.70): VV014667.D (-131) (-)

Ion 96.00 (95.70 to 96.70): VV014667.D (-131) (-)





#8

Chloroethane

Concen: 47.617 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV014690.D

Acq: 24 Feb 2020 10:19

Instrument :

MSVOA_V

ClientSampleId :

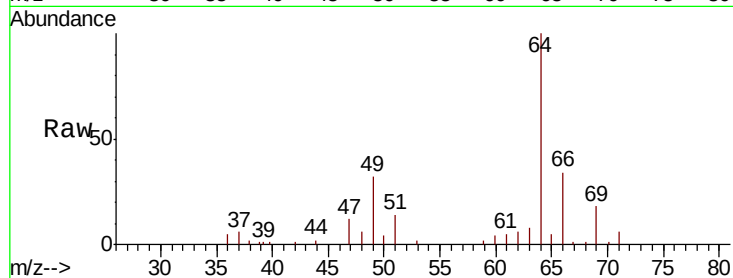
VSTD05074

Tot Ion: 64 Resp: 20201

Ion Ratio Lower Upper

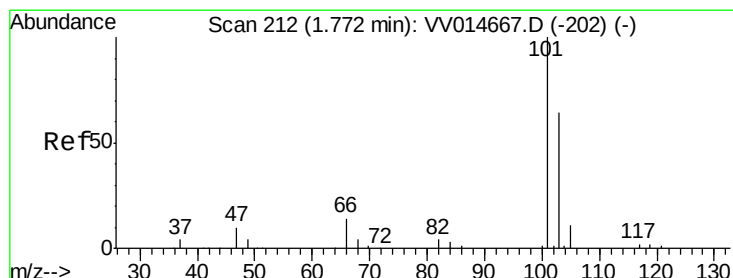
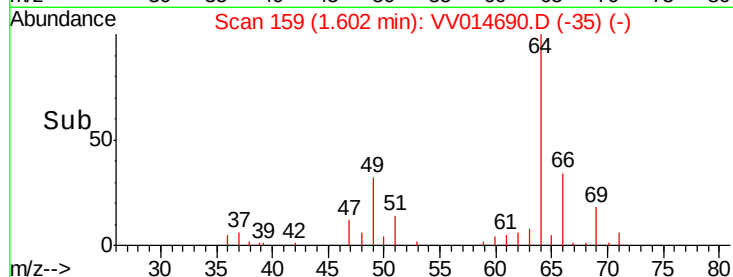
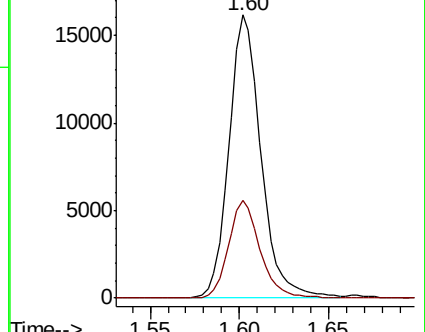
64 100

66 34.4 23.2 43.2



Abundance Ion 64.00 (63.70 to 64.70): VV014667.D (-151) (-)

Ion 66.00 (65.70 to 66.70): VV014690.D (-35) (-)



#9

Trichlorofluoromethane

Concen: 55.886 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV014690.D

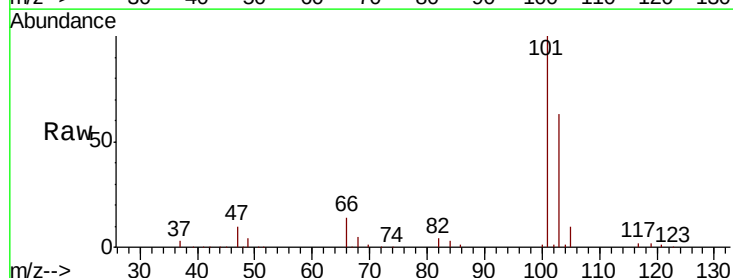
Acq: 24 Feb 2020 10:19

Tgt Ion: 101 Resp: 94297

Ion Ratio Lower Upper

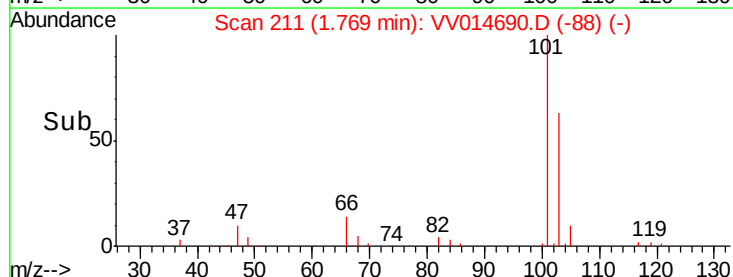
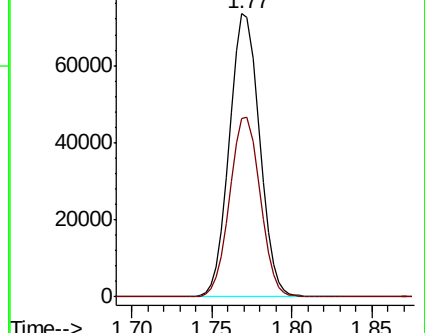
101 100

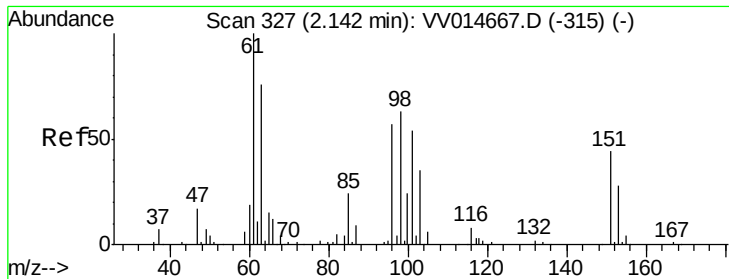
103 64.1 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VV014667.D (-202) (-)

Ion 103.00 (102.70 to 103.70): VV014690.D (-88) (-)





#10

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

Concen: 55.235 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV014690.D

Acq: 24 Feb 2020 10:19

Instrument :

MSVOA_V

ClientSampled :

VSTD05074

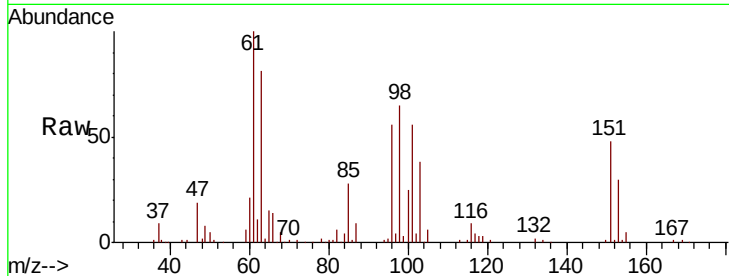
Tot Ion:101 Resp: 38773

Ion Ratio Lower Upper

101 100

85 48.7 37.3 55.9

151 83.4 64.6 96.8



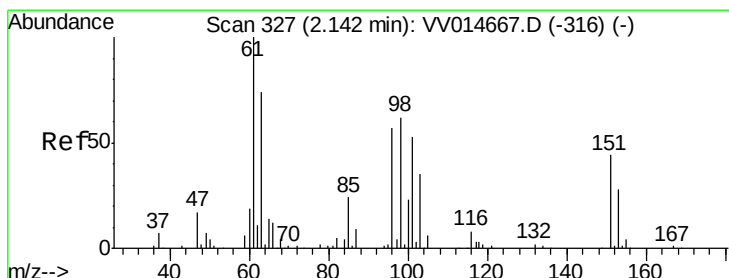
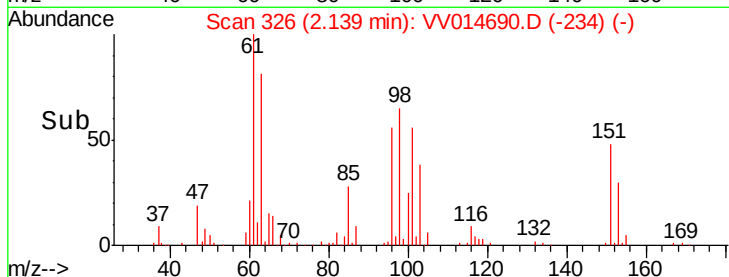
Abundance Ion 101.00 (100.70 to 101.70): VV014667.D (-315) (-)

Ion 85.00 (84.70 to 85.70): VV014667.D (-315) (-)

Ion 151.00 (150.70 to 151.70): VV014667.D (-315) (-)

2.14

Time-->



#12

1,1-Dichloroethene

Concen: 51.625 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV014690.D

Acq: 24 Feb 2020 10:19

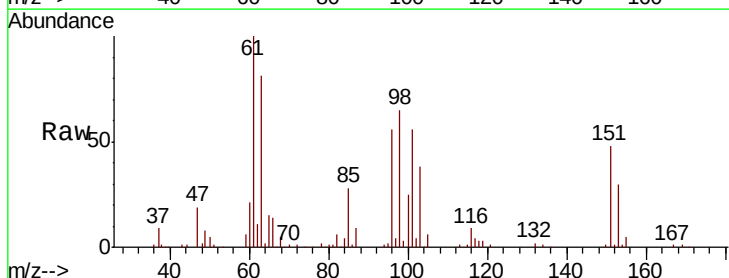
Tgt Ion: 96 Resp: 32615

Ion Ratio Lower Upper

96 100

61 178.3 124.5 231.1

63 143.6 98.1 182.1



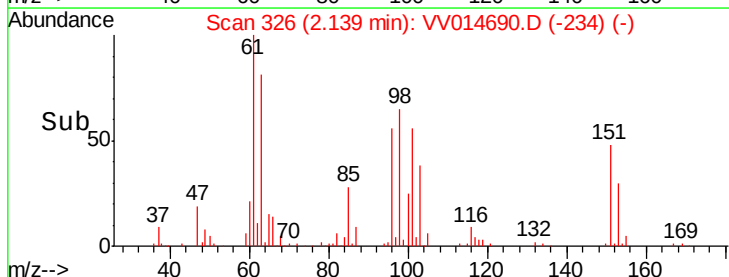
Abundance Ion 96.00 (95.70 to 96.70): VV014667.D (-316) (-)

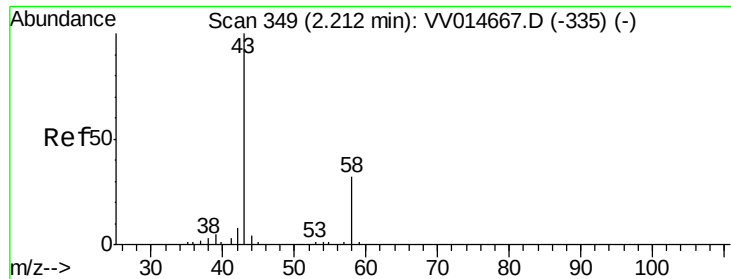
Ion 61.00 (60.70 to 61.70): VV014667.D (-316) (-)

Ion 63.00 (62.70 to 63.70): VV014667.D (-316) (-)

2.14

Time-->





#13

Acetone

Concen: 132.270 ug/L

RT: 2.21 min Scan# 349

Delta R.T. 0.00 min

Lab File: VV014690.D

Acq: 24 Feb 2020 10:19

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MSVOA_V

ClientSampled :

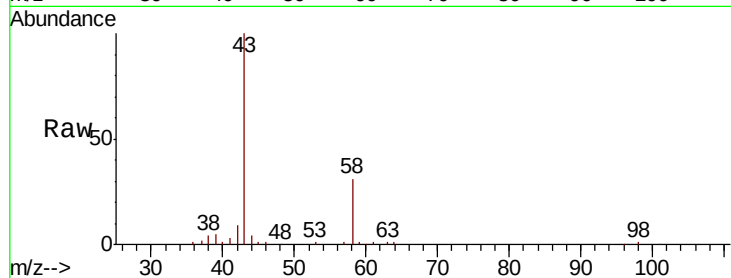
VSTD05074

Tot Ion: 43 Resp: 88366

Ion Ratio Lower Upper

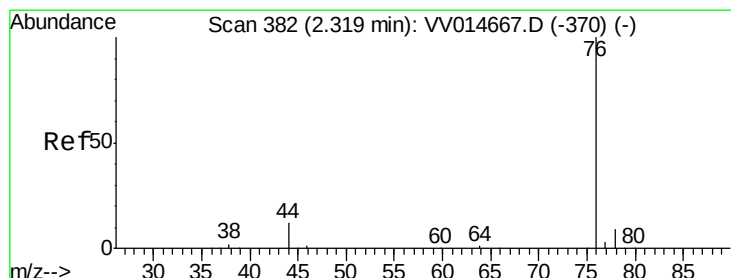
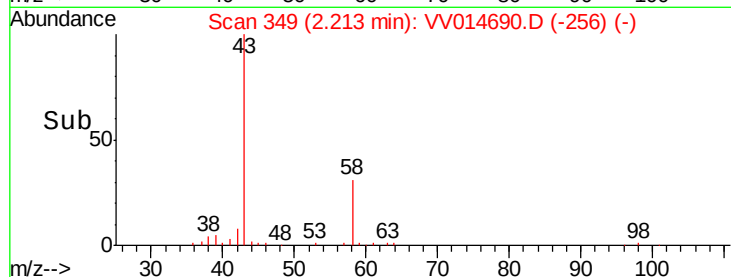
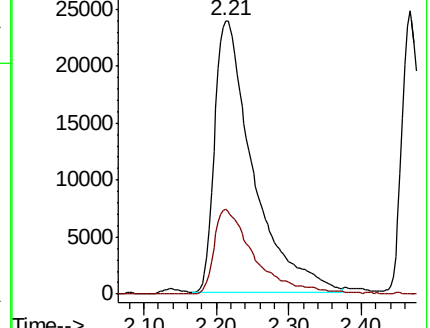
43 100

58 30.6 0.0 66.8



Abundance Ion 43.00 (42.70 to 43.70): VV014667.D (-335) (-)

Ion 58.00 (57.70 to 58.70): VV014667.D (-335) (-)



#14

Carbon disulfide

Concen: 51.545 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV014690.D

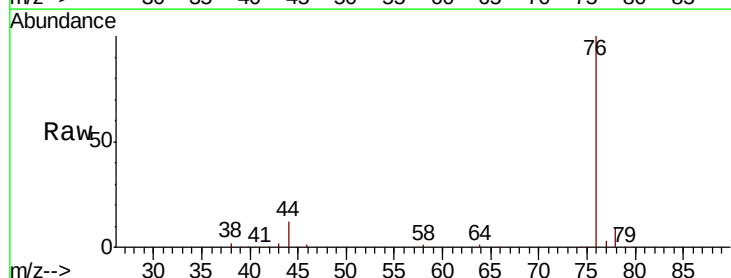
Acq: 24 Feb 2020 10:19

Tgt Ion: 76 Resp: 147417

Ion Ratio Lower Upper

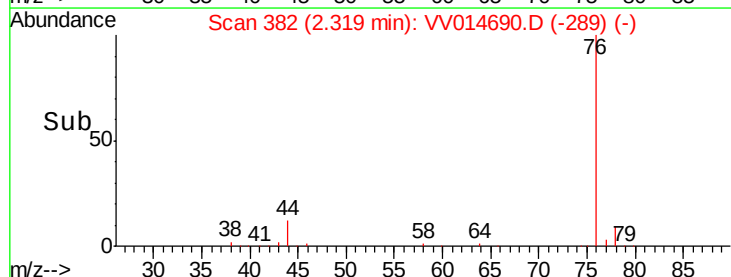
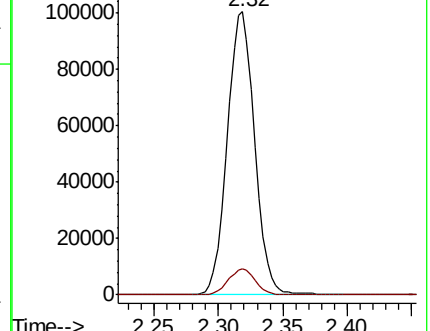
76 100

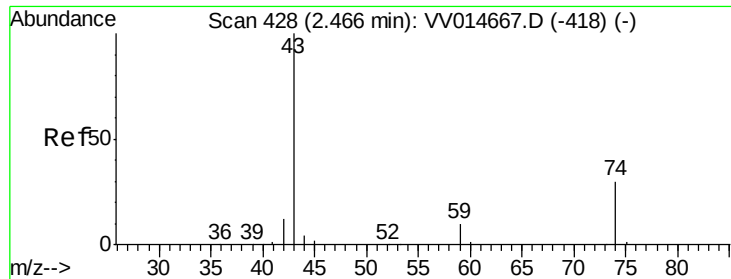
78 9.2 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VV014667.D (-370) (-)

Ion 78.00 (77.70 to 78.70): VV014667.D (-370) (-)

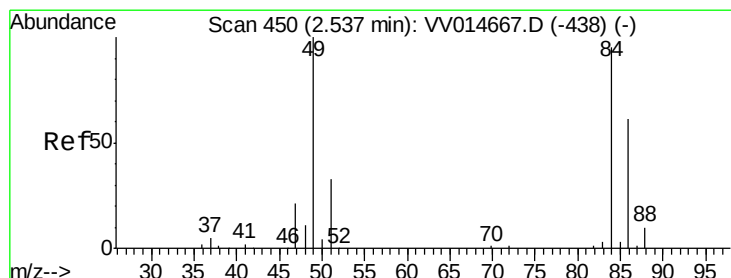
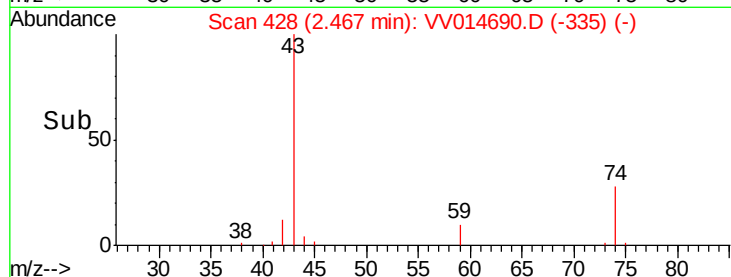
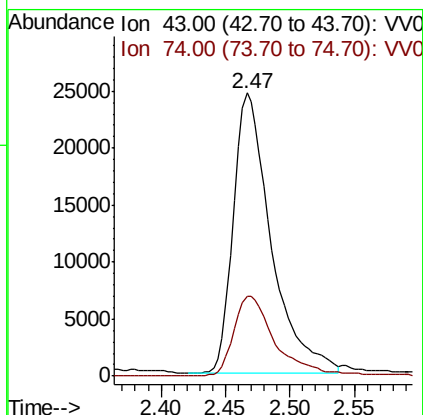
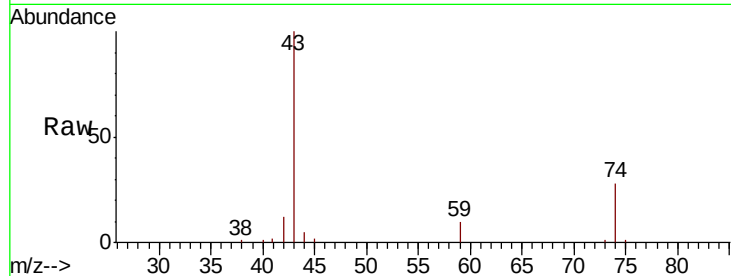




#15
Methvl Acetate
Concen: 46.179 ug/L
RT: 2.47 min Scan# 428
Delta R.T. 0.00 min
Lab File: VV014690.D
Acq: 24 Feb 2020 10:19

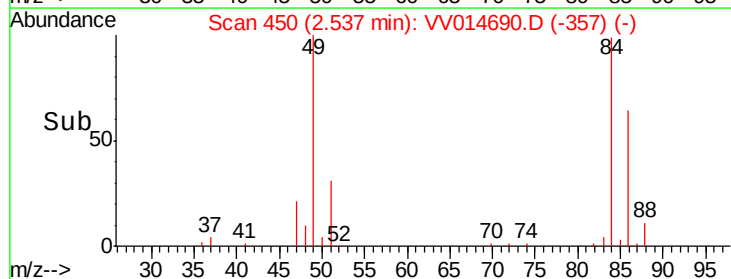
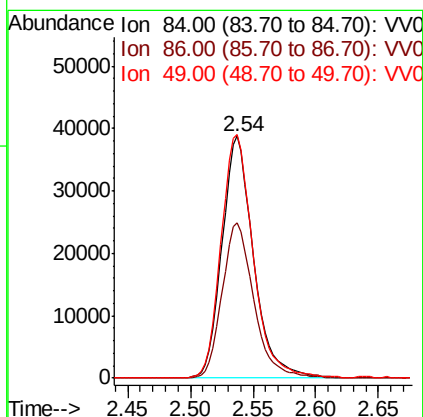
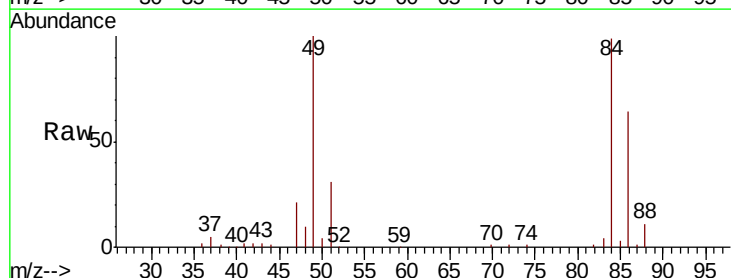
Instrument :
MSVOA_V
ClientSampled :
VSTD05074

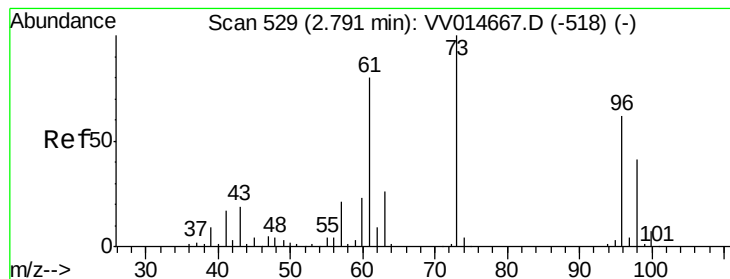
Tot Ion: 43 Resp: 50399
Ion Ratio Lower Upper
43 100
74 31.0 23.4 35.2



#16
Methylene chloride
Concen: 51.278 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV014690.D
Acq: 24 Feb 2020 10:19

Tgt Ion: 84 Resp: 67581
Ion Ratio Lower Upper
84 100
86 64.2 44.4 82.4
49 100.6 73.6 136.8





#17

trans-1,2-Dichloroethene

Concen: 52.511 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV014690.D

Acq: 24 Feb 2020 10:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD05074

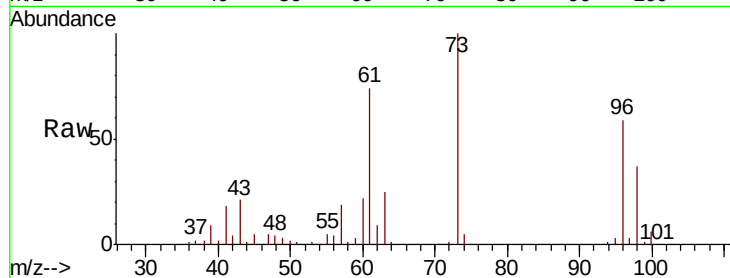
Tot Ion: 96 Resp: 64329

Ion Ratio Lower Upper

96 100

61 124.0 88.1 163.7

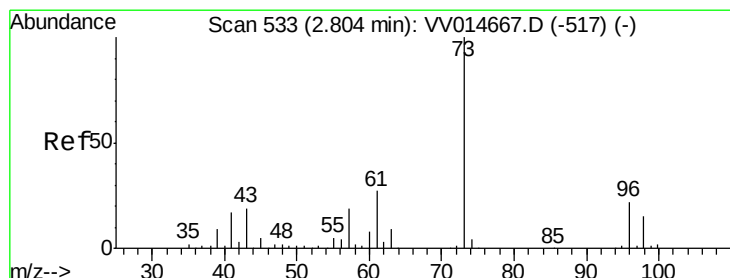
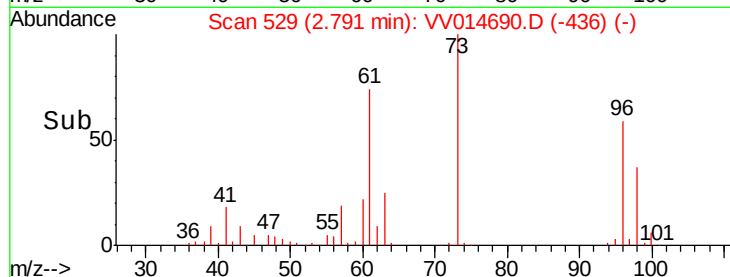
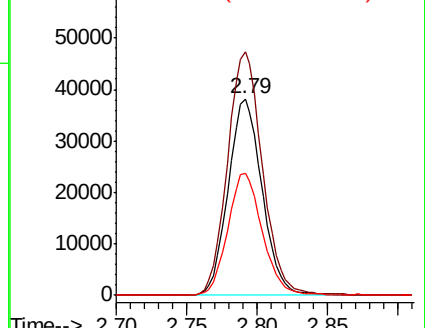
98 62.0 43.7 81.1



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: 52.563 ug/L

RT: 2.80 min Scan# 533

Delta R.T. 0.00 min

Lab File: VV014690.D

Acq: 24 Feb 2020 10:19

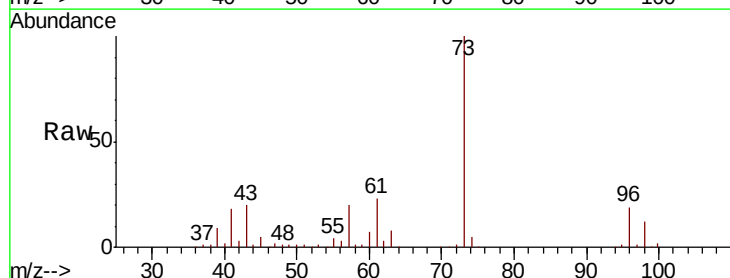
Tgt Ion: 73 Resp: 216480

Ion Ratio Lower Upper

73 100

43 20.1 15.6 23.4

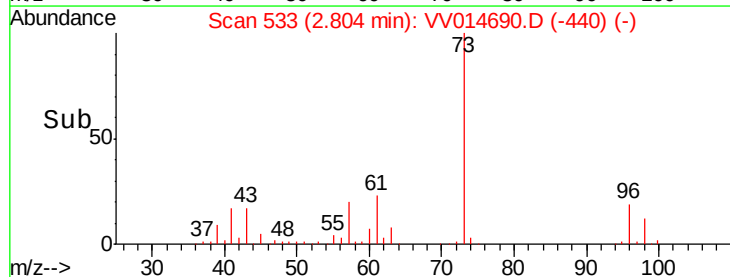
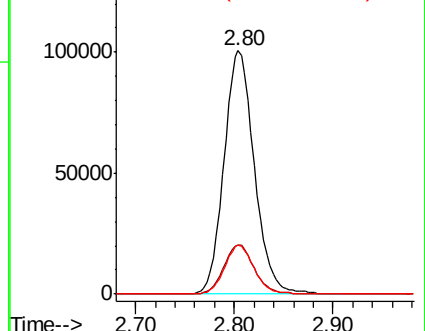
57 19.5 16.1 24.1

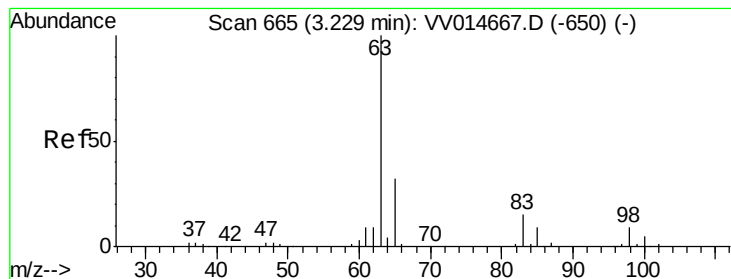


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 51.537 ug/L

RT: 3.23 min Scan# 664

Delta R.T. -0.00 min

Lab File: VV014690.D

Acq: 24 Feb 2020 10:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD05074

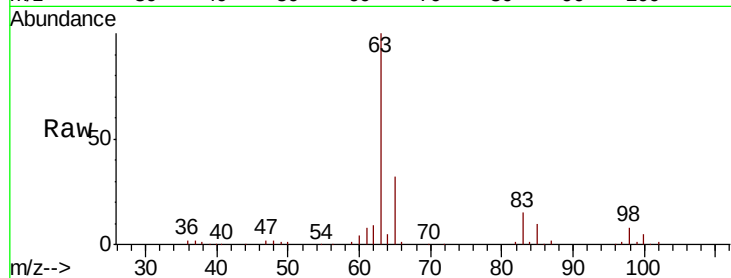
Tot Ion: 63 Resp: 113798

Ion Ratio Lower Upper

63 100

65 32.2 22.6 42.0

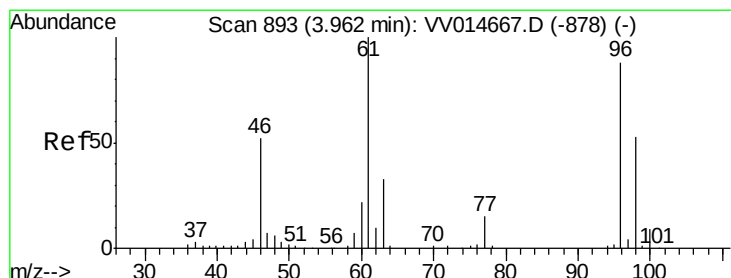
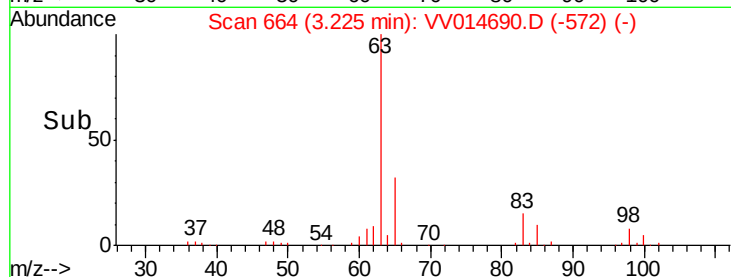
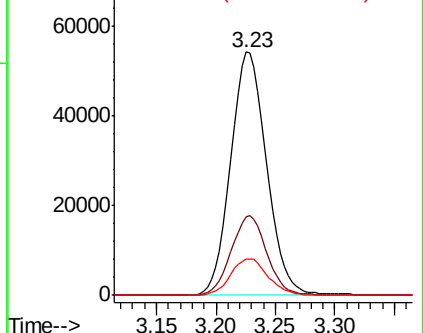
83 14.7 10.3 19.1



Abundance Ion 63.00 (62.70 to 63.70): VV014667.D (-650) (-)

Ion 65.00 (64.70 to 65.70): VV014667.D (-650) (-)

Ion 83.00 (82.70 to 83.70): VV014667.D (-650) (-)



#20

cis-1,2-Dichloroethene

Concen: 53.063 ug/L

RT: 3.96 min Scan# 892

Delta R.T. -0.00 min

Lab File: VV014690.D

Acq: 24 Feb 2020 10:19

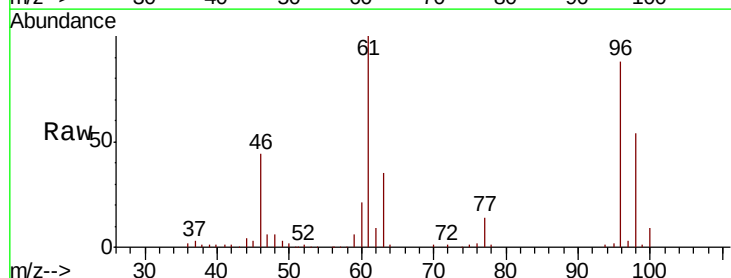
Tgt Ion: 96 Resp: 75505

Ion Ratio Lower Upper

96 100

61 113.3 82.4 153.0

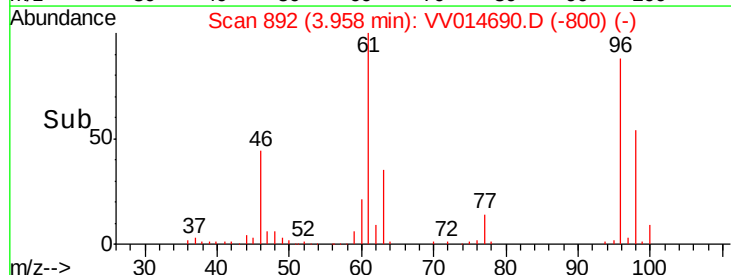
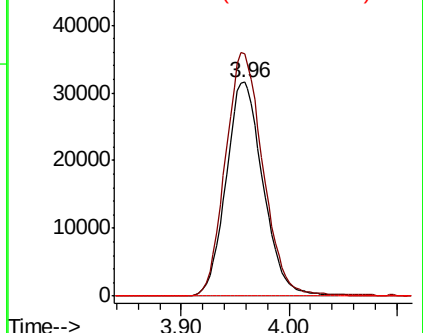
68 0.0 0.0 0.0

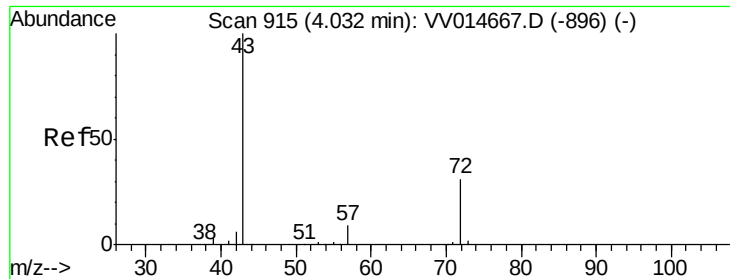


Abundance Ion 96.00 (95.70 to 96.70): VV014667.D (-878) (-)

Ion 61.00 (60.70 to 61.70): VV014667.D (-878) (-)

Ion 68.00 (67.70 to 68.70): VV014667.D (-878) (-)





#22

2-Butanone

Concen: 110.416 ug/L

RT: 4.03 min Scan# 914

Delta R.T. -0.00 min

Lab File: VV014690.D

Acq: 24 Feb 2020 10:19

Instrument :

MSVOA_V

ClientSampled :

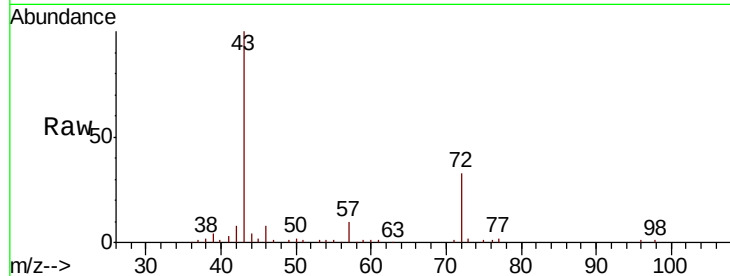
VSTD05074

Tot Ion: 43 Resp: 93414

Ion Ratio Lower Upper

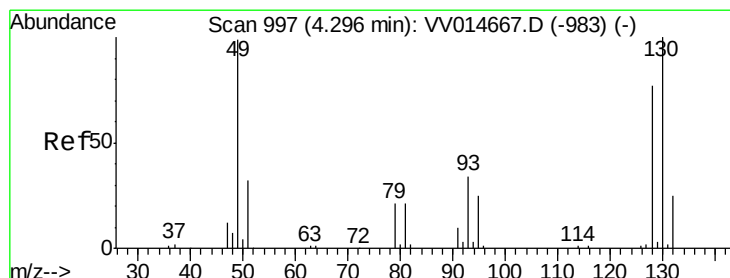
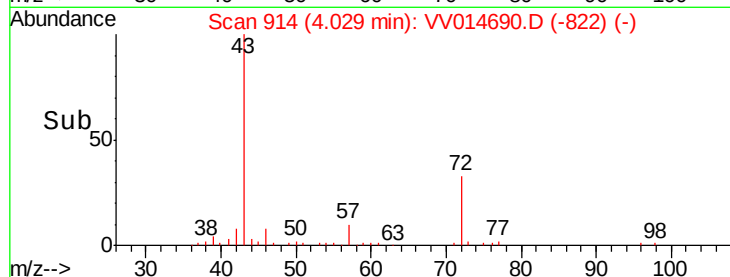
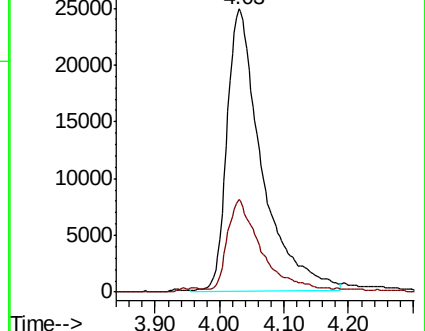
43 100

72 30.7 14.1 42.3



Abundance Ion 43.00 (42.70 to 43.70): VV014667.D (-896) (-)

Ion 72.00 (71.70 to 72.70): VV014667.D (-896) (-)



#23

Bromochloromethane

Concen: 53.454 ug/L

RT: 4.29 min Scan# 996

Delta R.T. -0.00 min

Lab File: VV014690.D

Acq: 24 Feb 2020 10:19

Tgt Ion: 128 Resp: 38613

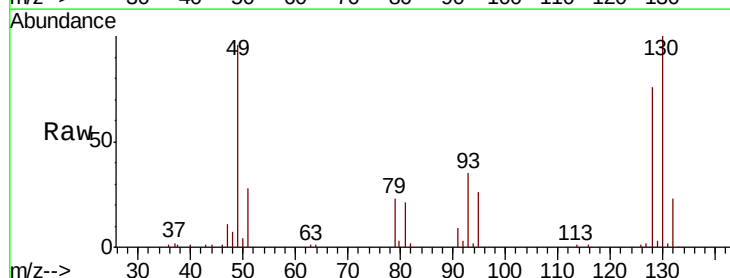
Ion Ratio Lower Upper

128 100

49 126.5 89.7 166.5

130 132.1 85.0 158.0

51 37.2 30.0 45.0

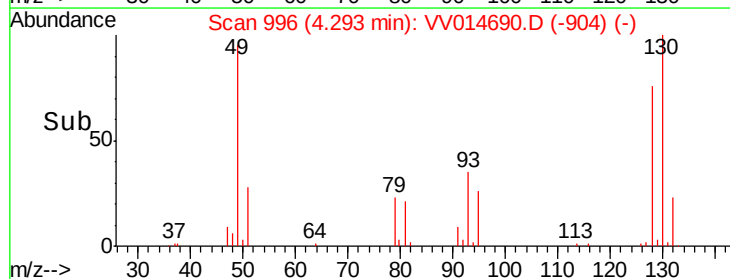
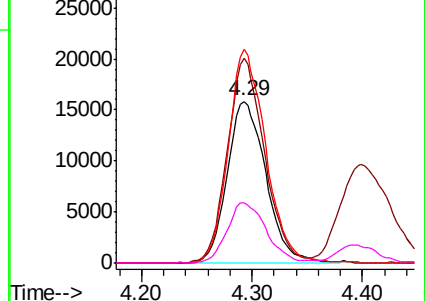


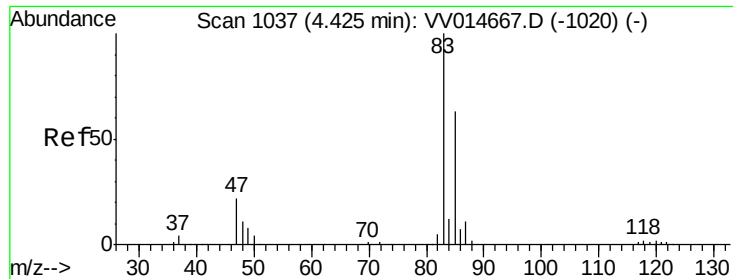
Abundance Ion 128.00 (127.70 to 128.70): VV014667.D (-983) (-)

Ion 49.00 (48.70 to 49.70): VV014667.D (-983) (-)

Ion 130.00 (129.70 to 130.70): VV014667.D (-983) (-)

Ion 51.00 (50.70 to 51.70): VV014667.D (-983) (-)

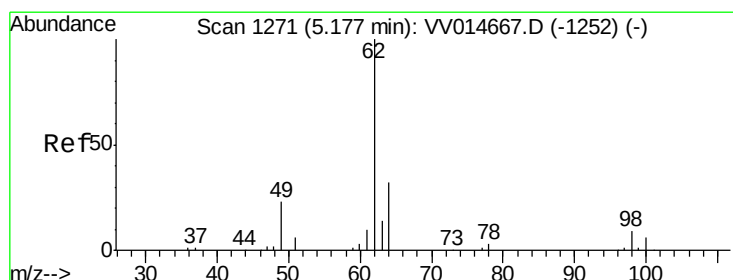
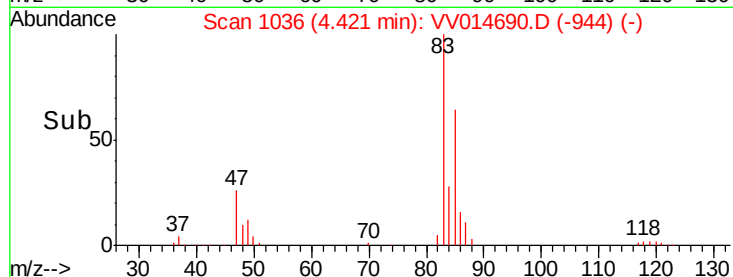
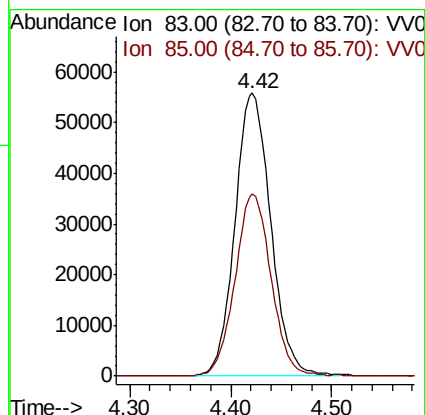
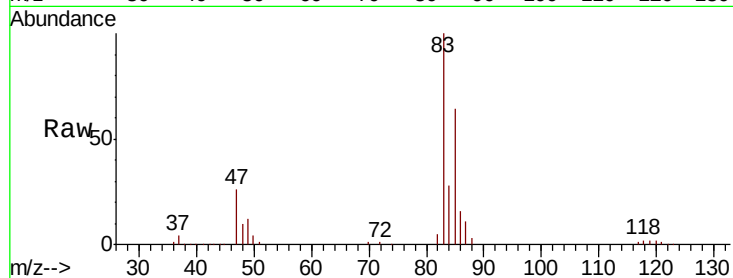




#25
Chloroform
Concen: 53.618 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV014690.D
Acq: 24 Feb 2020 10:19

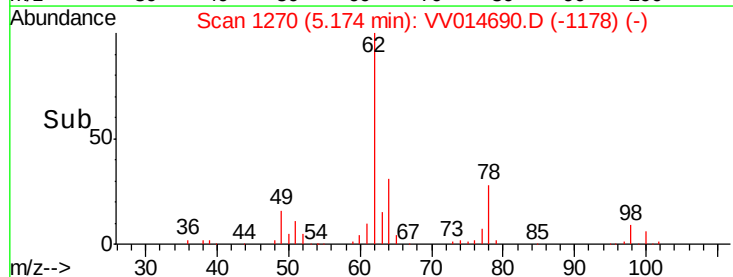
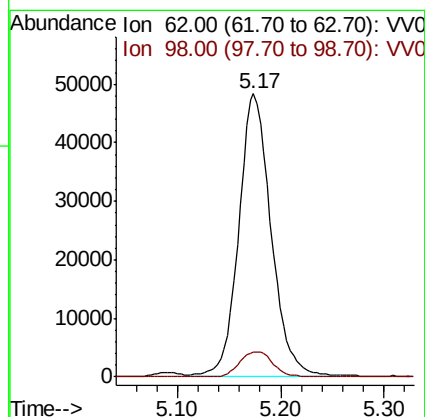
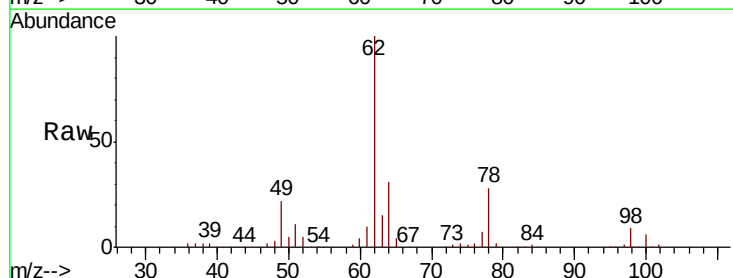
Instrument :
MSVOA_V
ClientSampleId :
VSTD05074

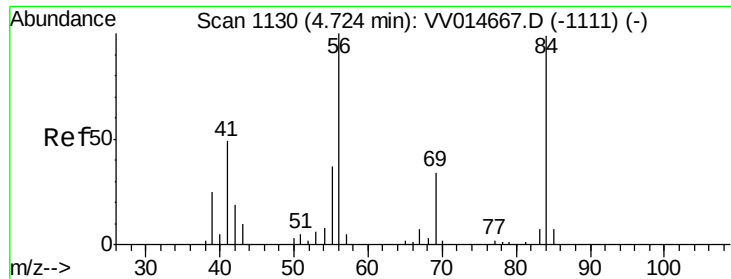
Tot Ion: 83 Resp: 137722
Ion Ratio Lower Upper
83 100
85 64.2 46.1 85.7



#27
1,2-Dichloroethane
Concen: 55.663 ug/L
RT: 5.17 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VV014690.D
Acq: 24 Feb 2020 10:19

Tgt Ion: 62 Resp: 104778
Ion Ratio Lower Upper
62 100
98 8.7 7.8 11.6

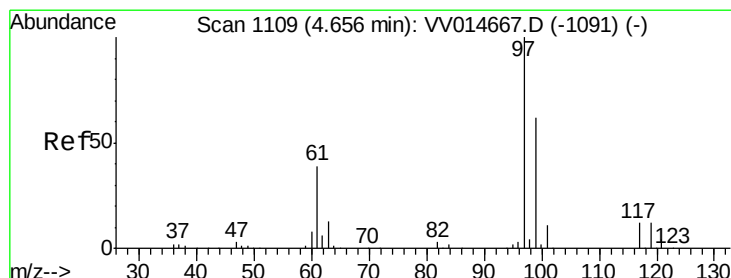
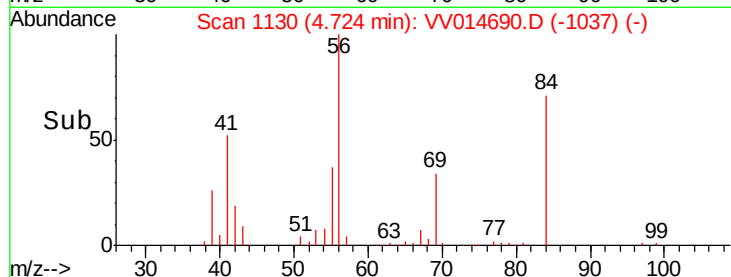
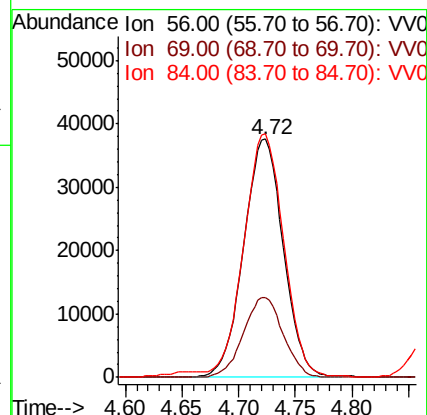
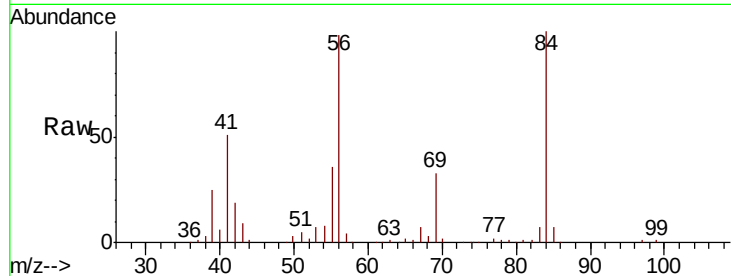




#29
Cyclohexane
Concen: 49.954 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. 0.00 min
Lab File: VV014690.D
Acq: 24 Feb 2020 10:19

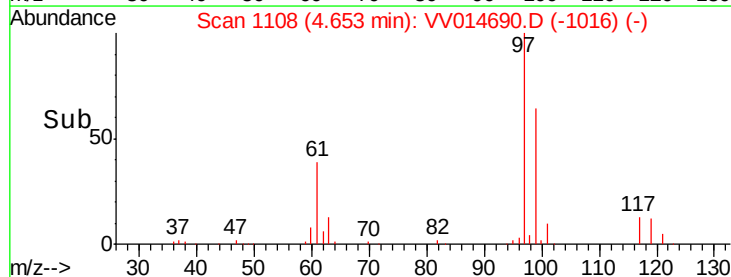
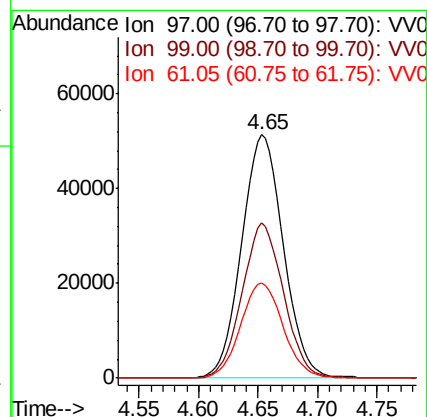
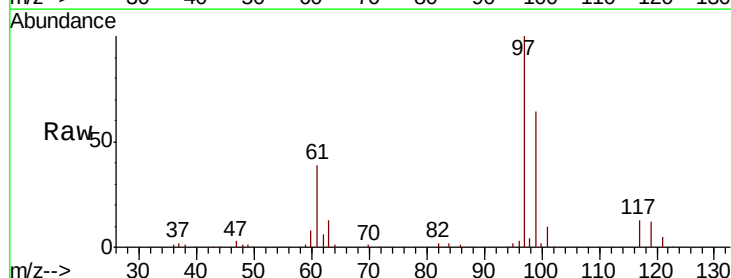
Instrument :
MSVOA_V
ClientSampleId :
VSTD05074

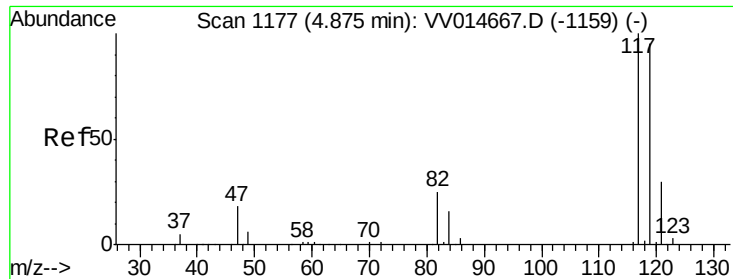
Tot Ion: 56 Resp: 91960
Ion Ratio Lower Upper
56 100
69 33.5 26.9 40.3
84 102.8 78.2 117.2



#30
1,1,1-Trichloroethane
Concen: 54.507 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. -0.00 min
Lab File: VV014690.D
Acq: 24 Feb 2020 10:19

Tgt Ion: 97 Resp: 124858
Ion Ratio Lower Upper
97 100
99 63.2 52.0 78.0
61 39.9 31.4 47.0





#31

Carbon tetrachloride

Concen: 55.361 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV014690.D

Acq: 24 Feb 2020 10:19

Instrument :

MSVOA_V

ClientSampleId :

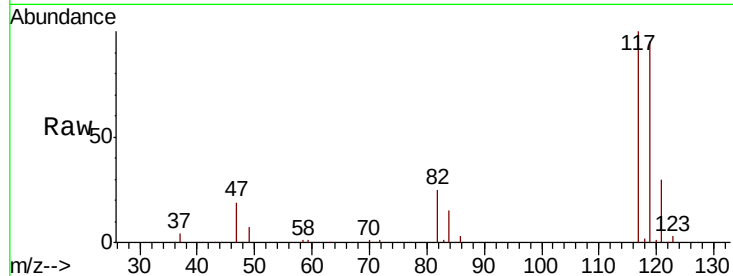
VSTD05074

Tot Ion:117 Resp: 112203

Ion Ratio Lower Upper

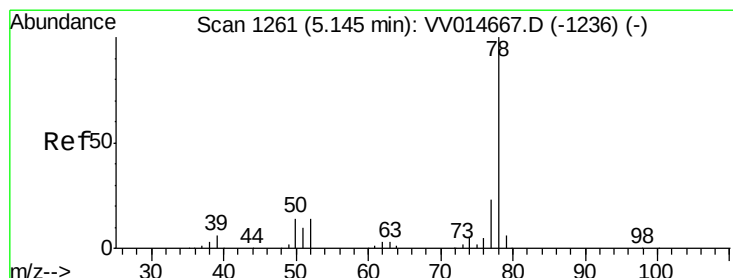
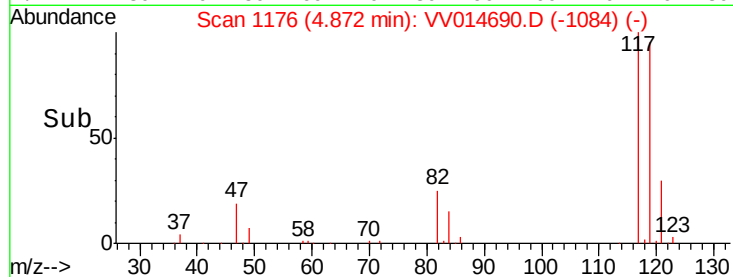
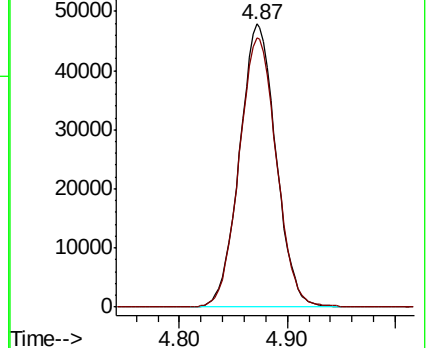
117 100

119 97.6 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 51.108 ug/L

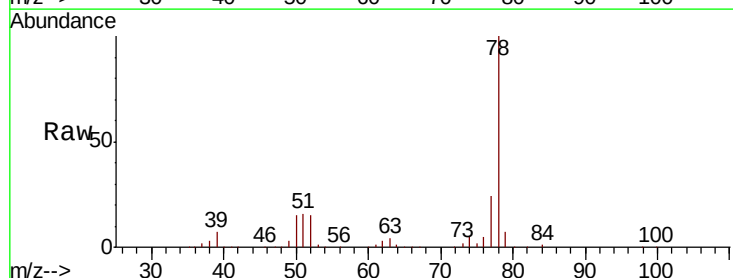
RT: 5.14 min Scan# 1260

Delta R.T. -0.00 min

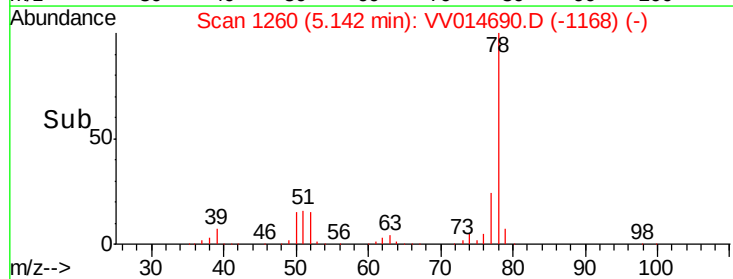
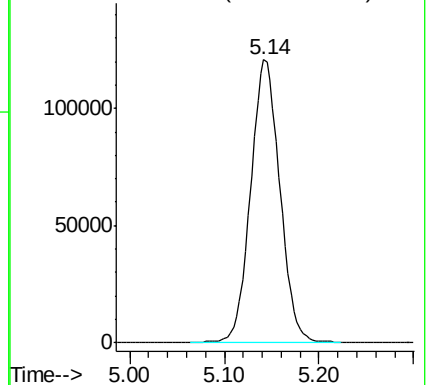
Lab File: VV014690.D

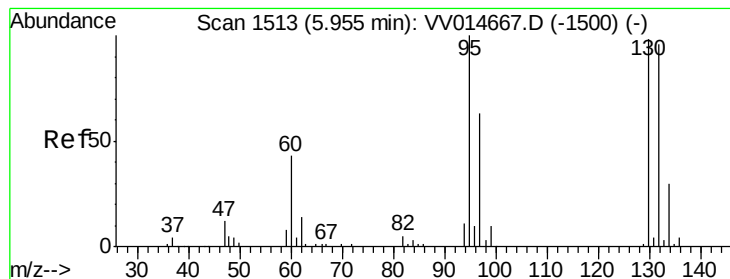
Acq: 24 Feb 2020 10:19

Tgt Ion: 78 Resp: 259626



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 50.231 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV014690.D

Acq: 24 Feb 2020 10:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD05074

Tot Ion: 95 Resp: 74278

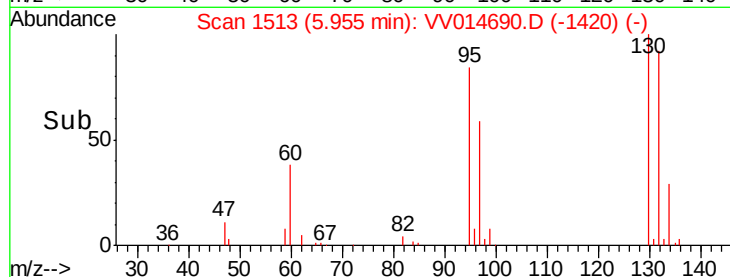
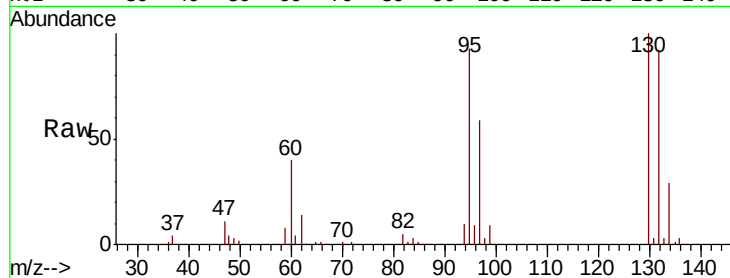
Ion Ratio Lower Upper

95 100

97 64.0 44.3 82.3

132 99.2 69.7 129.4

130 107.9 71.3 132.5

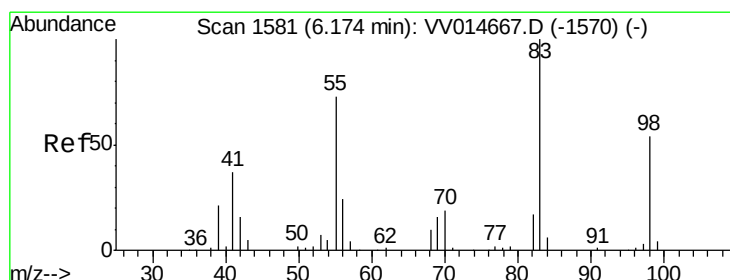
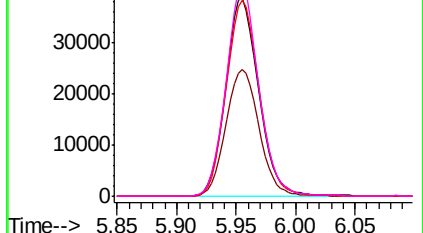


Abundance Ion 95.00 (94.70 to 95.70): VV0

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

Methylcyclohexane

Concen: 54.193 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. -0.00 min

Lab File: VV014690.D

Acq: 24 Feb 2020 10:19

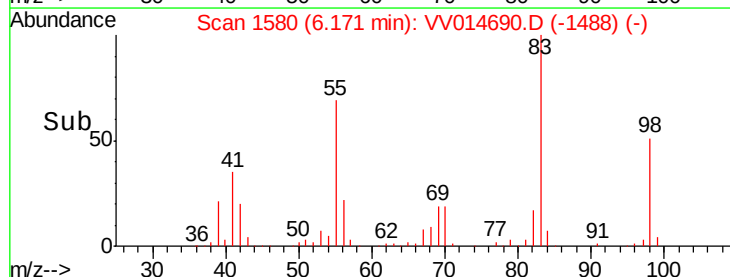
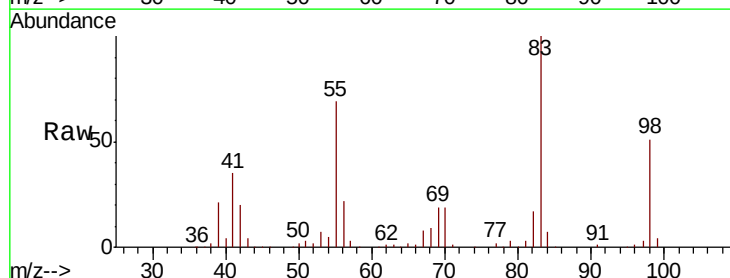
Tgt Ion: 83 Resp: 114391

Ion Ratio Lower Upper

83 100

55 69.4 56.1 84.1

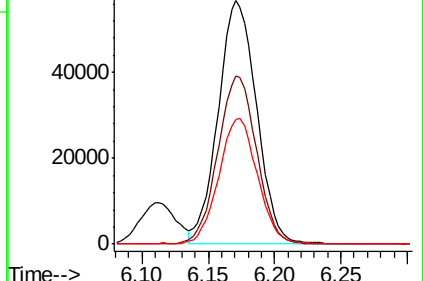
98 51.9 40.4 60.6

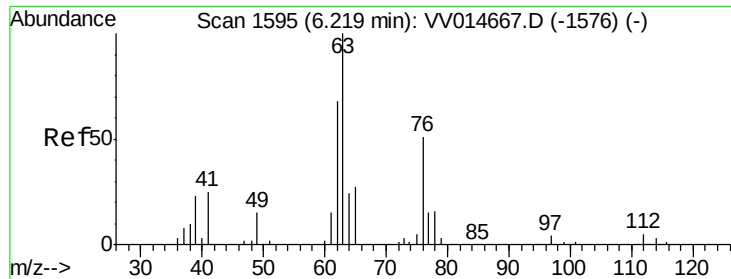


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

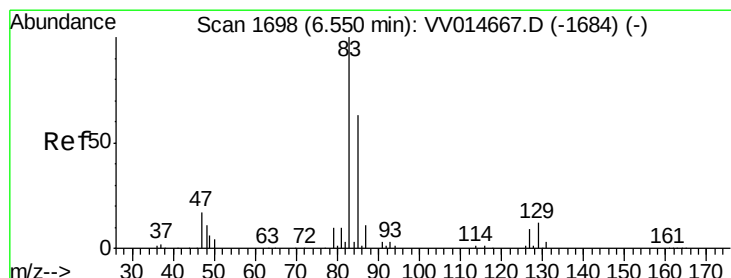
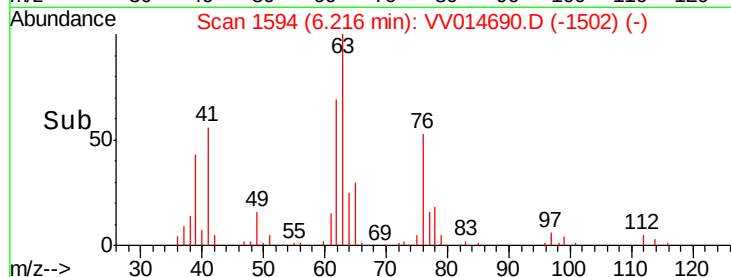
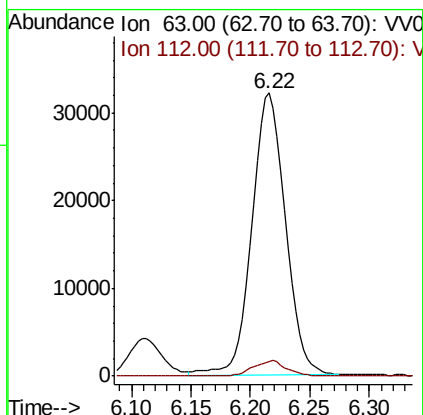
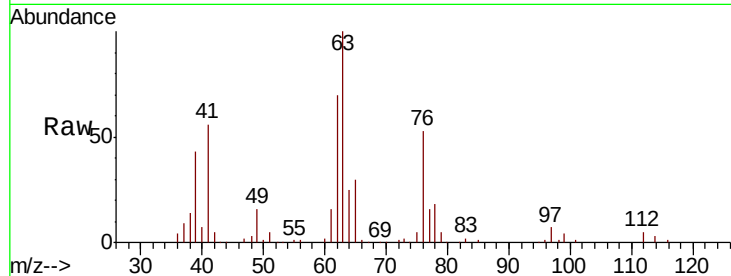




#37
 1,2-Dichloropropane
 Concen: 50.533 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. -0.00 min
 Lab File: VV014690.D
 Acq: 24 Feb 2020 10:19

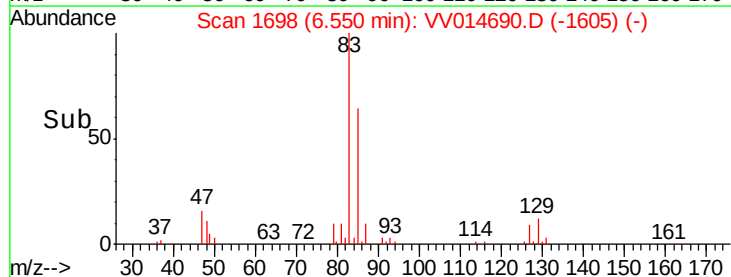
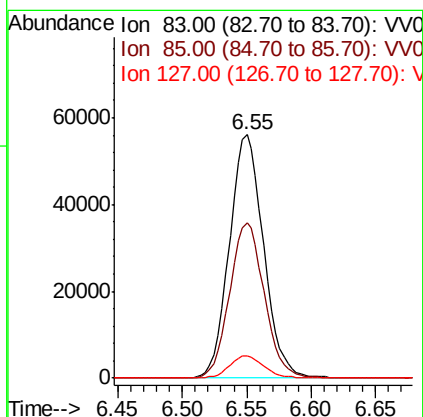
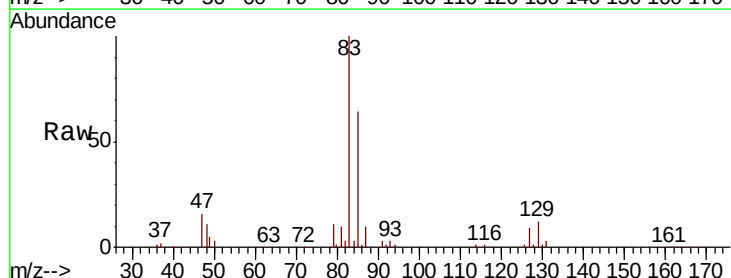
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05074

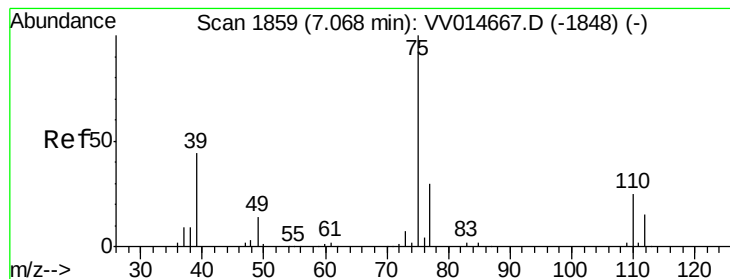
Tot Ion: 63 Resp: 62787
 Ion Ratio Lower Upper
 63 100
 112 5.3 3.8 5.6



#38
 Bromodichloromethane
 Concen: 54.004 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VV014690.D
 Acq: 24 Feb 2020 10:19

Tgt Ion: 83 Resp: 103420
 Ion Ratio Lower Upper
 83 100
 85 63.7 44.2 82.2
 127 9.2 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 51.684 ug/L

RT: 7.06 min Scan# 1858

Delta R.T. -0.00 min

Lab File: VV014690.D

Acq: 24 Feb 2020 10:19

Instrument :

MSVOA_V

ClientSampleId :

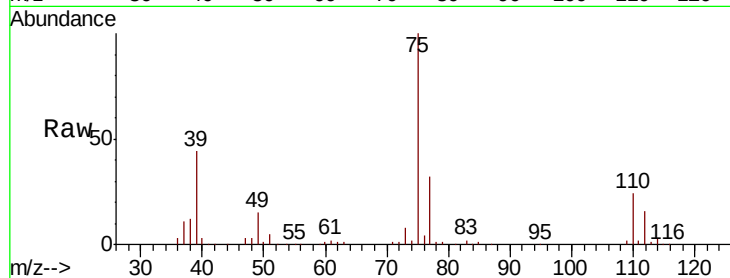
VSTD05074

Tot Ion: 75 Resp: 114683

Ion Ratio Lower Upper

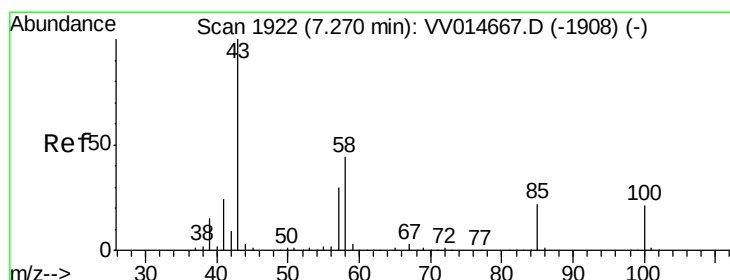
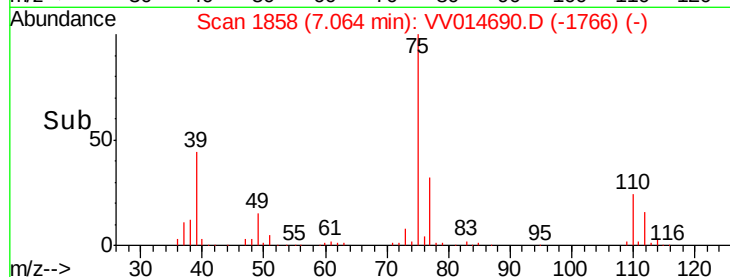
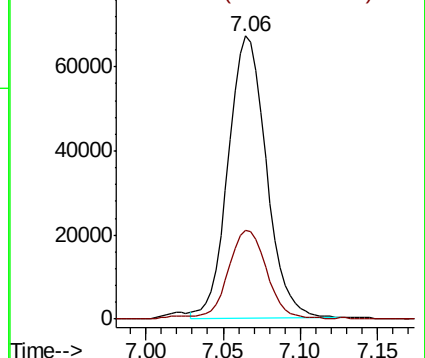
75 100

77 31.6 22.4 41.6



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#40

4-Methyl-2-pentanone

Concen: 99.497 ug/L

RT: 7.27 min Scan# 1922

Delta R.T. 0.00 min

Lab File: VV014690.D

Acq: 24 Feb 2020 10:19

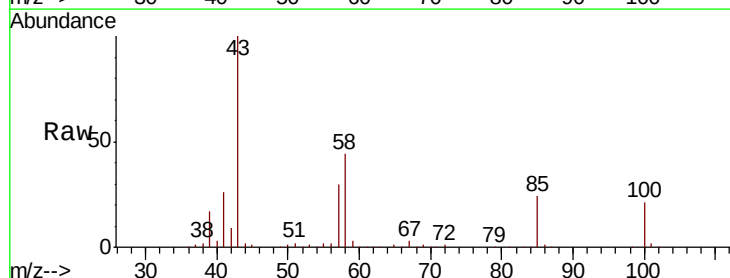
Tgt Ion: 43 Resp: 153142

Ion Ratio Lower Upper

43 100

58 44.6 35.7 53.5

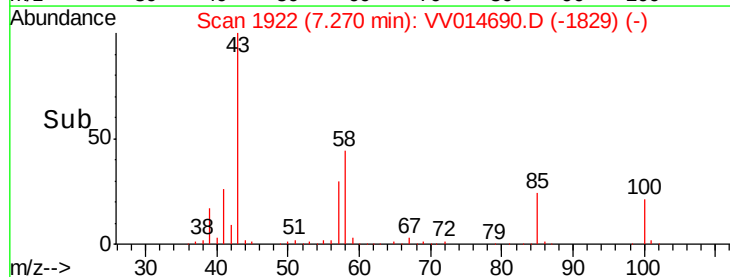
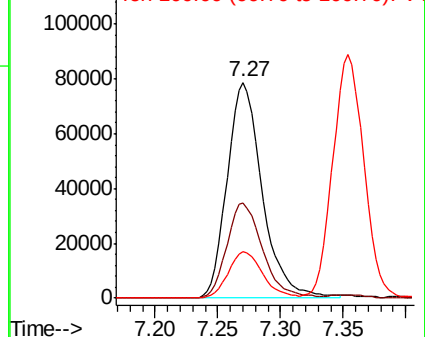
100 21.1 16.8 25.2

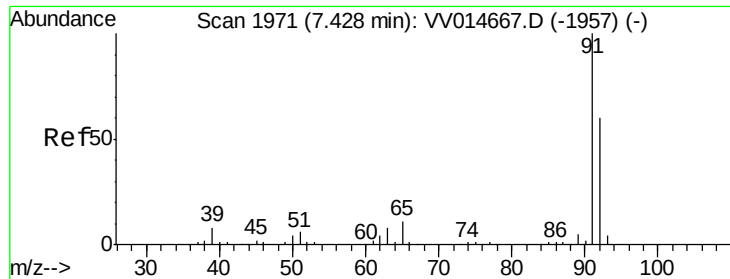


Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#42

Toluene

Concen: 52.835 ug/L

RT: 7.42 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VV014690.D

Acq: 24 Feb 2020 10:19

Instrument :

MSVOA_V

ClientSampleId :

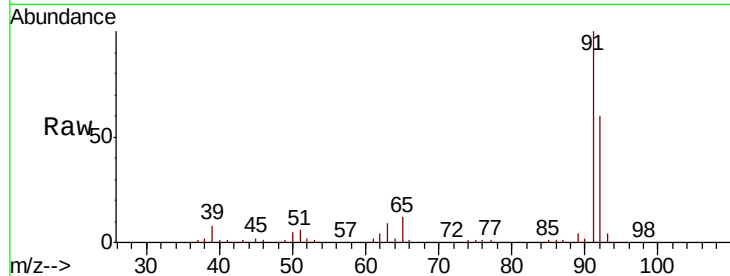
VSTD05074

Tot Ion: 91 Resp: 290182

Ion Ratio Lower Upper

91 100

92 59.6 41.9 77.7



Abundance Ion 91.00 (90.70 to 91.70): VV014667.D (-1957) (-)

Ion 92.00 (91.70 to 92.70): VV014667.D (-1957) (-)

7.42

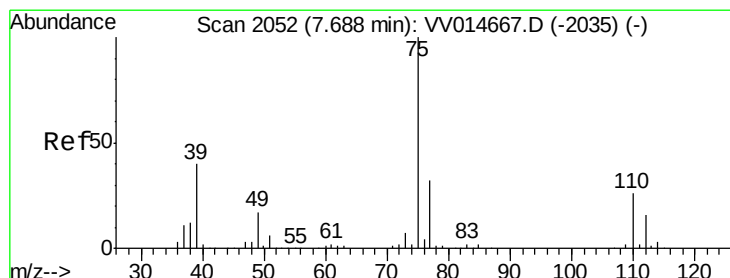
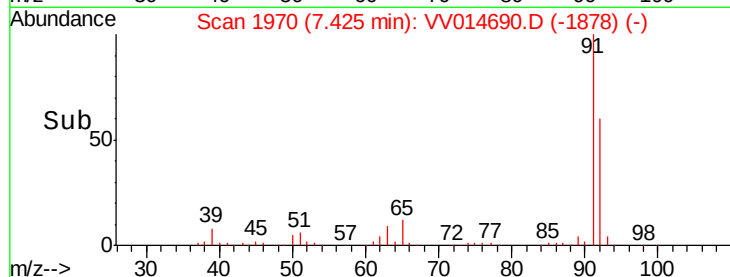
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 53.416 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. 0.00 min

Lab File: VV014690.D

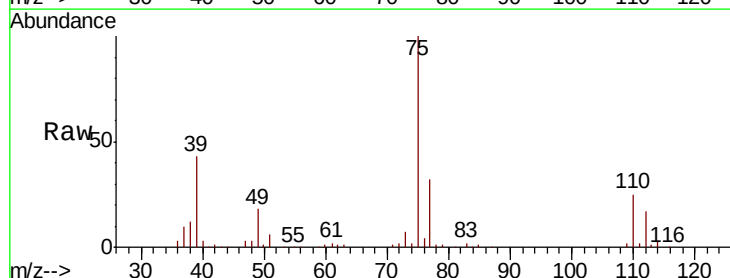
Acq: 24 Feb 2020 10:19

Tgt Ion: 75 Resp: 107534

Ion Ratio Lower Upper

75 100

77 32.5 21.9 40.7



Abundance Ion 75.00 (74.70 to 75.70): VV014667.D (-2035) (-)

Ion 77.00 (76.70 to 77.70): VV014667.D (-2035) (-)

7.69

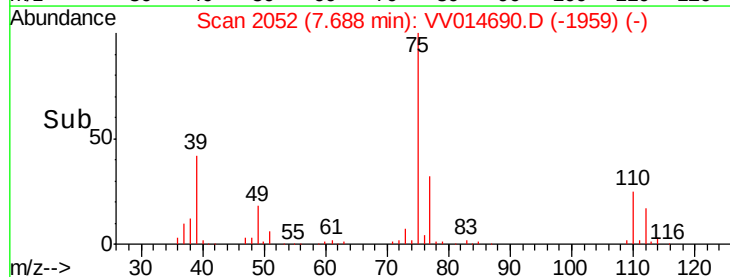
60000

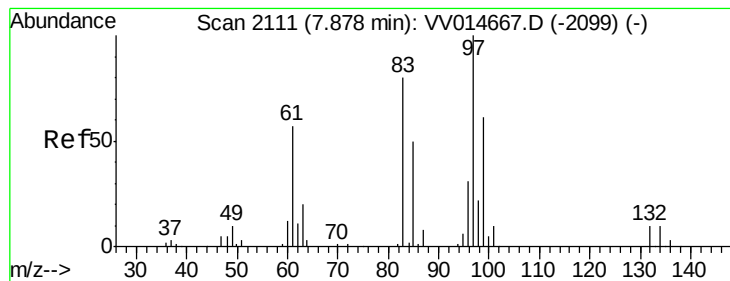
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 51.736 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VV014690.D

Acq: 24 Feb 2020 10:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD05074

Tot Ion: 97 Resp: 68803

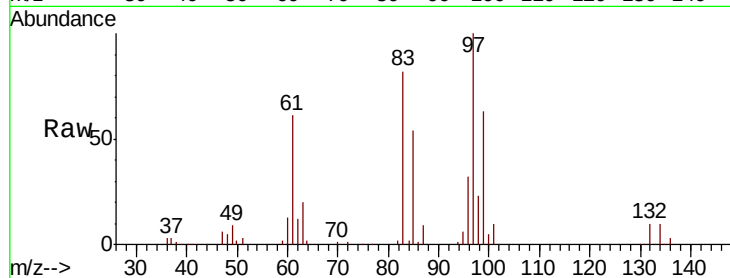
Ion Ratio Lower Upper

97 100

99 63.5 43.7 81.1

83 82.5 57.3 106.5

85 54.1 37.1 68.9

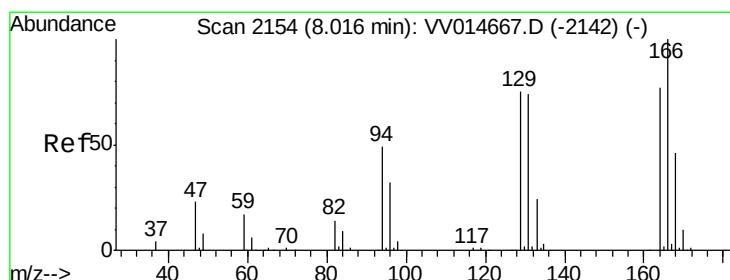
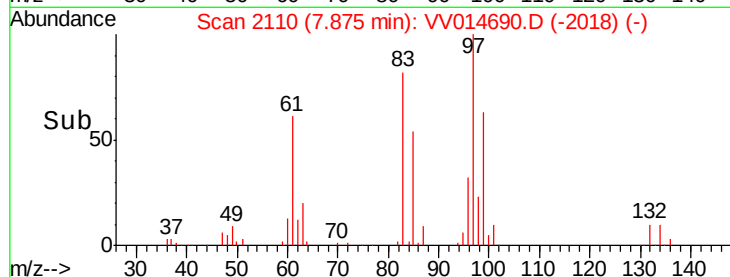
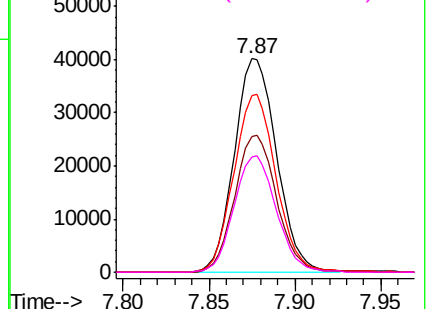


Abundance Ion 97.00 (96.70 to 97.70): VV0

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



#46

Tetrachloroethene

Concen: 54.955 ug/L

RT: 8.01 min Scan# 2153

Delta R.T. -0.00 min

Lab File: VV014690.D

Acq: 24 Feb 2020 10:19

Tgt Ion: 164 Resp: 58790

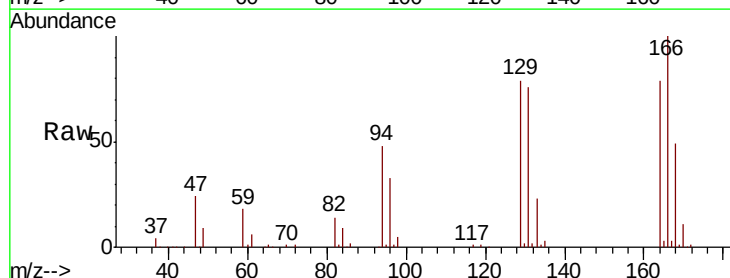
Ion Ratio Lower Upper

164 100

129 99.5 70.3 130.7

131 96.7 66.8 124.0

166 126.6 88.8 165.0

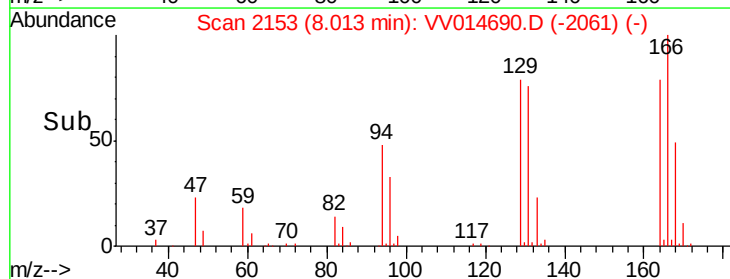
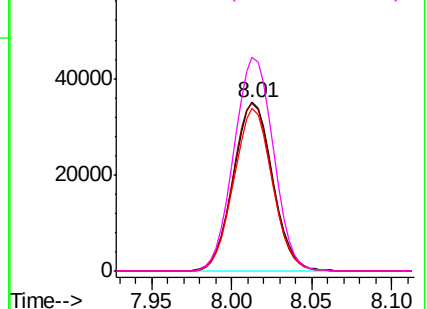


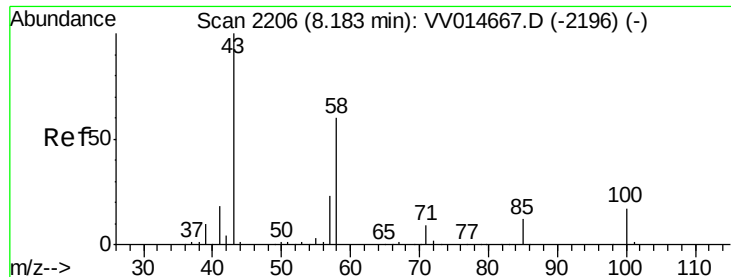
Abundance Ion 164.00 (163.70 to 164.70): V

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

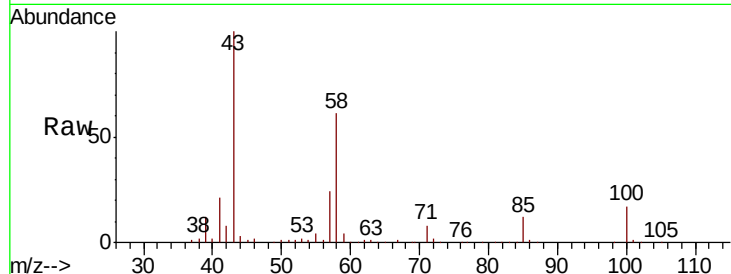




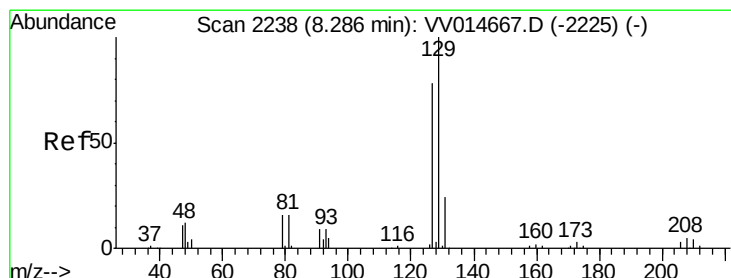
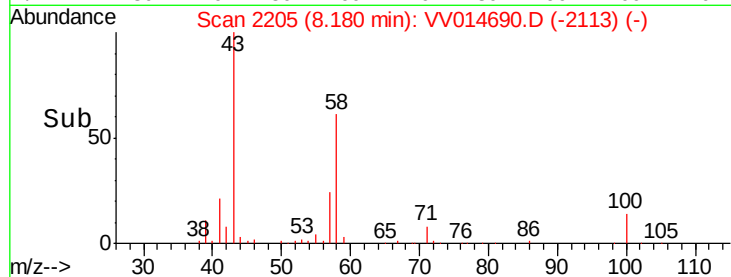
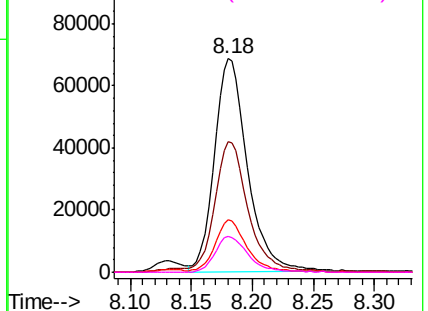
#48
2-Hexanone
Concen: 107.396 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. -0.00 min
Lab File: VV014690.D
Acq: 24 Feb 2020 10:19

Instrument :
MSVOA_V
ClientSampleId :
VSTD05074

Tot Ion: 43 Resp: 129649
Ion Ratio Lower Upper
43 100
58 61.9 49.4 74.2
57 23.0 17.8 26.8
100 17.0 13.1 19.7

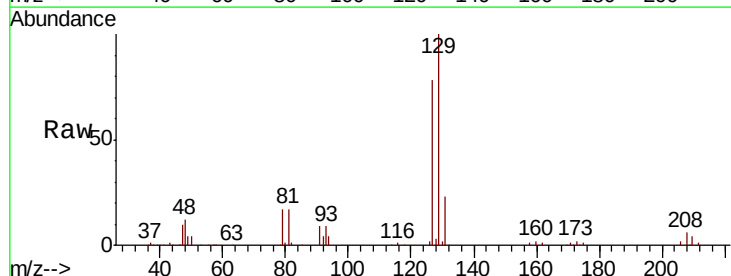


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

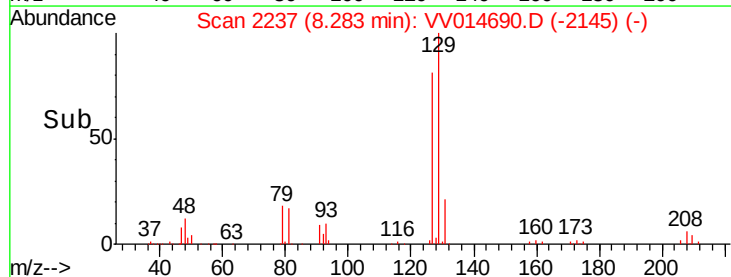
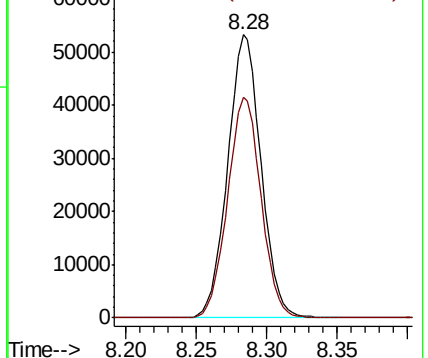


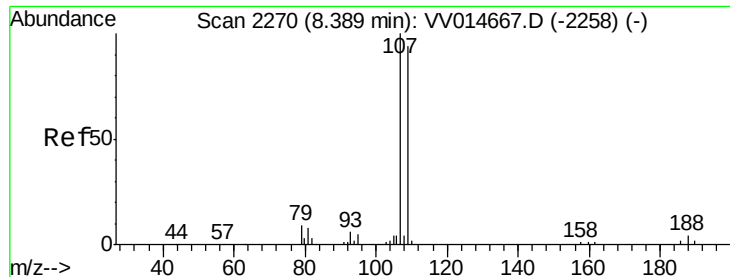
#49
Dibromochloromethane
Concen: 55.630 ug/L
RT: 8.28 min Scan# 2237
Delta R.T. -0.00 min
Lab File: VV014690.D
Acq: 24 Feb 2020 10:19

Tgt Ion: 129 Resp: 87919
Ion Ratio Lower Upper
129 100
127 77.9 54.5 101.3



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

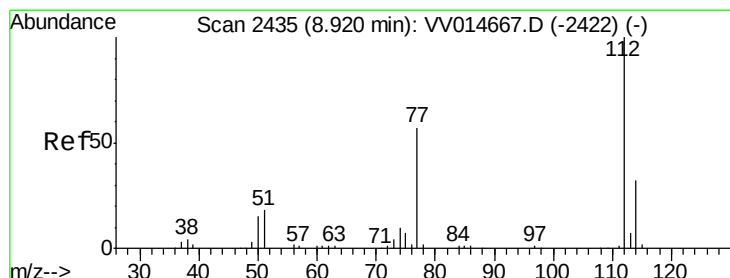
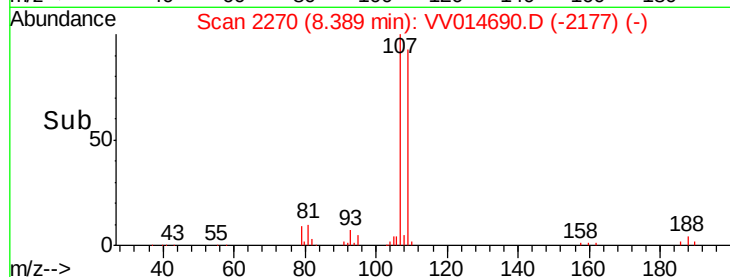
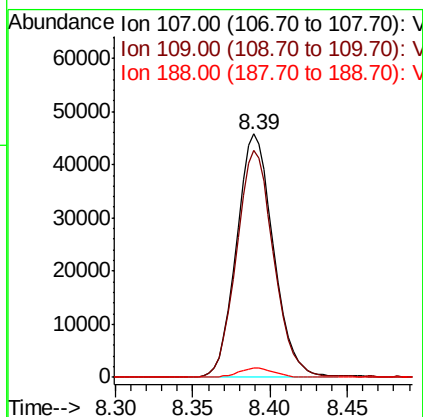
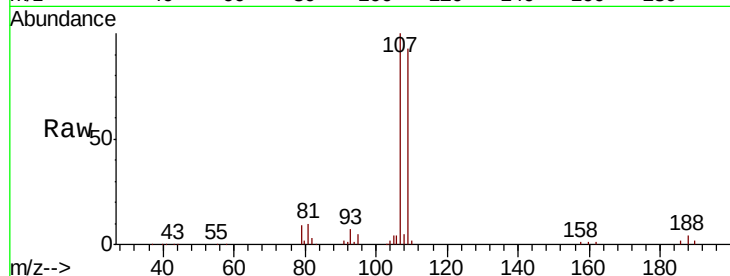




#50
1,2-Dibromoethane
Concen: 51.797 ug/L
RT: 8.39 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VV014690.D
Acq: 24 Feb 2020 10:19

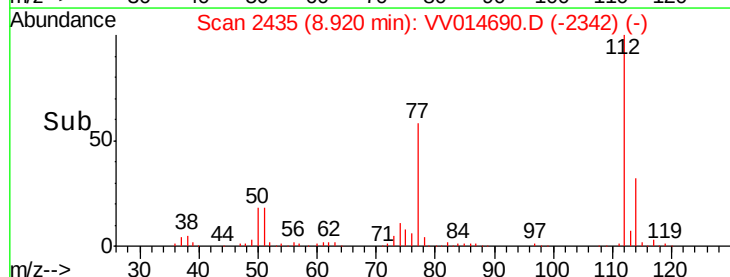
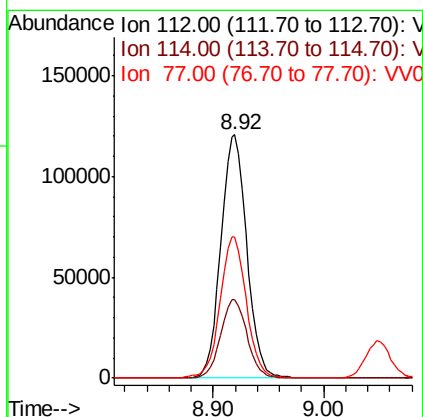
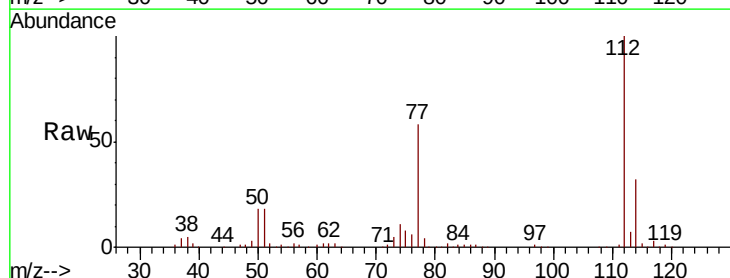
Instrument :
MSVOA_V
ClientSampleId :
VSTD05074

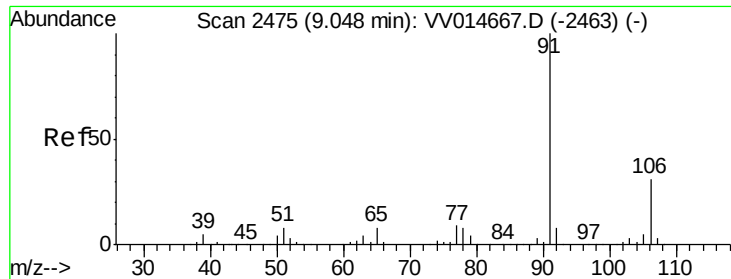
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	66.1	122.7
188	3.8	2.7	4.1



#51
Chlorobenzene
Concen: 52.541 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. 0.00 min
Lab File: VV014690.D
Acq: 24 Feb 2020 10:19

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.3	22.5	41.7
77	57.9	45.8	68.8





#52

Ethylbenzene

Concen: 53.720 ug/L

RT: 9.05 min Scan# 2475

Delta R.T. 0.00 min

Lab File: VV014690.D

Acq: 24 Feb 2020 10:19

Instrument :

MSVOA_V

ClientSampleId :

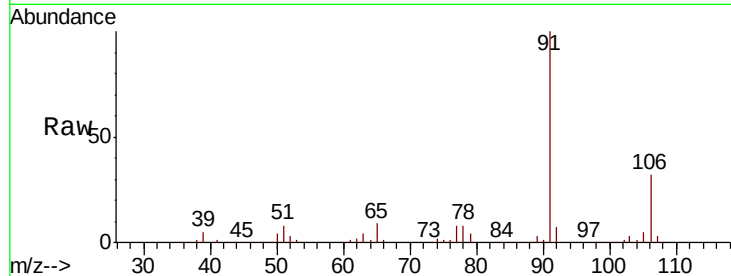
VSTD05074

Tot Ion: 91 Resp: 338124

Ion Ratio Lower Upper

91 100

106 31.6 21.7 40.3



Abundance Ion 91.00 (90.70 to 91.70): VV014690.D (-2382) (-)

Ion 106.00 (105.70 to 106.70): VV014690.D (-2382) (-)

250000

200000

150000

100000

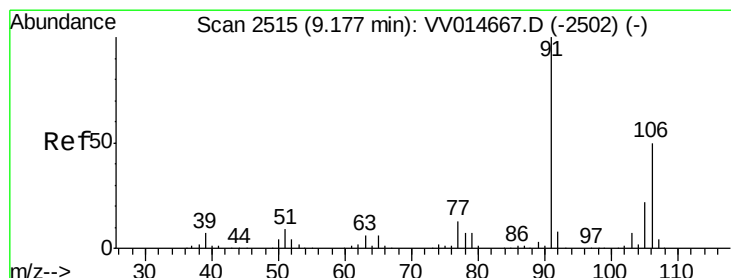
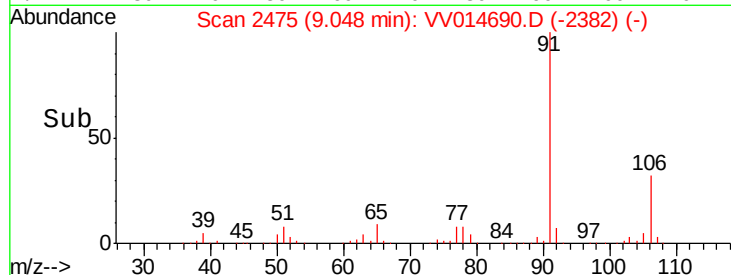
50000

0

9.05

9.00 9.05 9.10

Time-->



#53

m,p-Xylene

Concen: 53.471 ug/L

RT: 9.17 min Scan# 2514

Delta R.T. -0.00 min

Lab File: VV014690.D

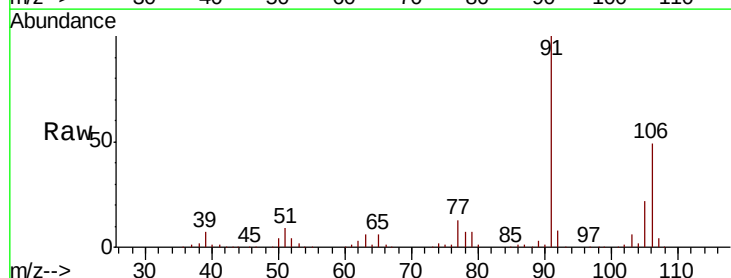
Acq: 24 Feb 2020 10:19

Tgt Ion: 106 Resp: 130123

Ion Ratio Lower Upper

106 100

91 202.2 139.9 259.9



Abundance Ion 106.00 (105.70 to 106.70): VV014690.D (-2422) (-)

Ion 91.00 (90.70 to 91.70): VV014690.D (-2422) (-)

150000

100000

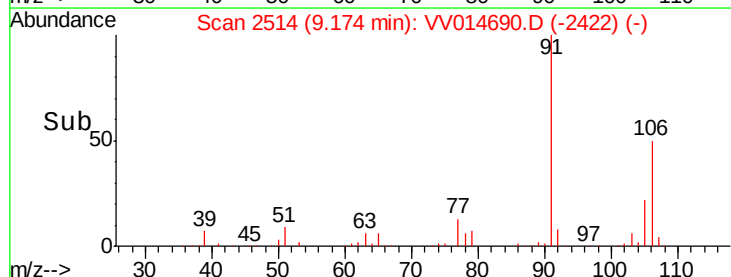
50000

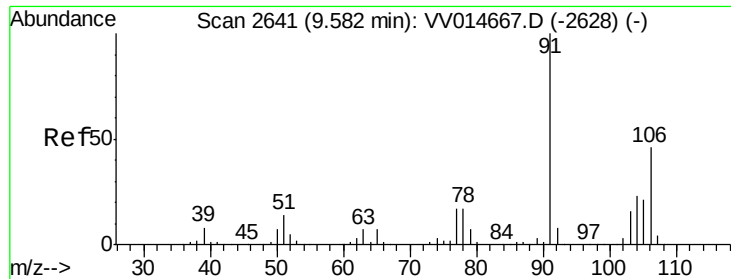
0

9.17

9.10 9.15 9.20 9.25

Time-->

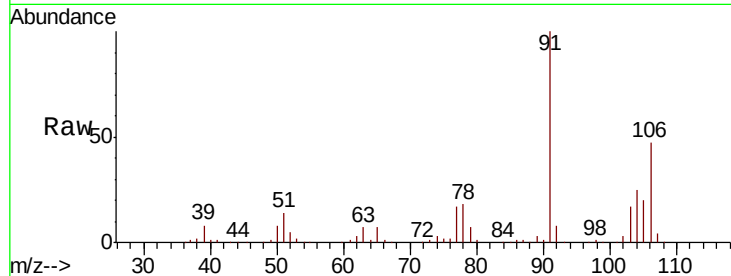




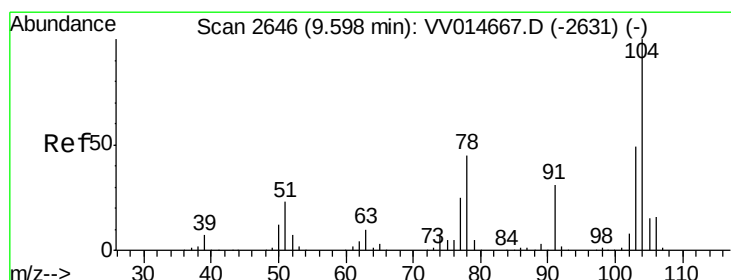
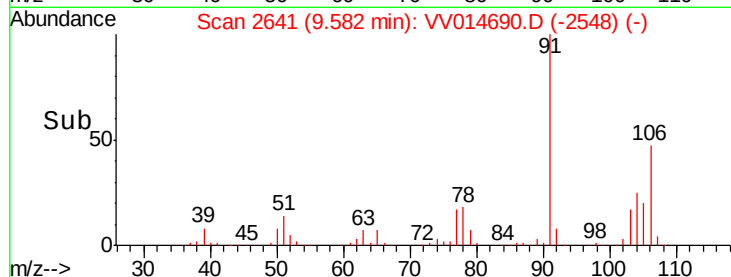
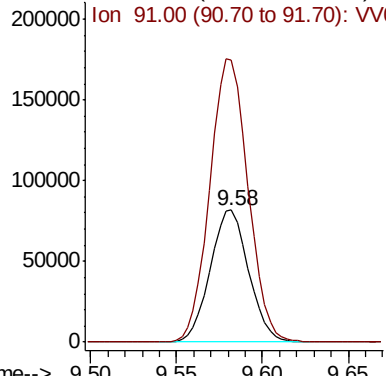
#54
o-xylene
Concen: 53.524 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV014690.D
Acq: 24 Feb 2020 10:19

Instrument :
MSVOA_V
ClientSampleId :
VSTD05074

Tot Ion:106 Resp: 126768
Ion Ratio Lower Upper
106 100
91 213.6 152.7 283.5

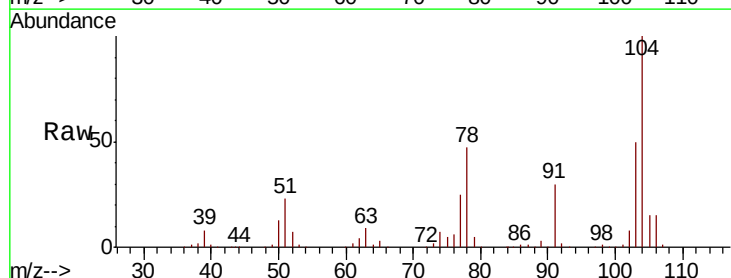


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

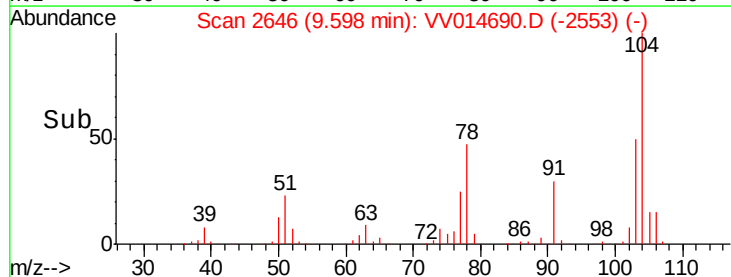
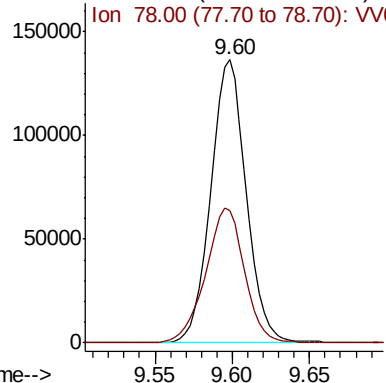


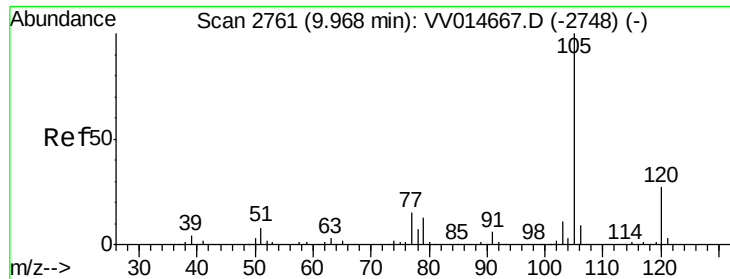
#55
Styrene
Concen: 54.999 ug/L
RT: 9.60 min Scan# 2646
Delta R.T. 0.00 min
Lab File: VV014690.D
Acq: 24 Feb 2020 10:19

Tgt Ion:104 Resp: 217184
Ion Ratio Lower Upper
104 100
78 46.7 31.8 59.0



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 55.594 ug/L

RT: 9.97 min Scan# 2761

Delta R.T. 0.00 min

Lab File: VV014690.D

Acq: 24 Feb 2020 10:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD05074

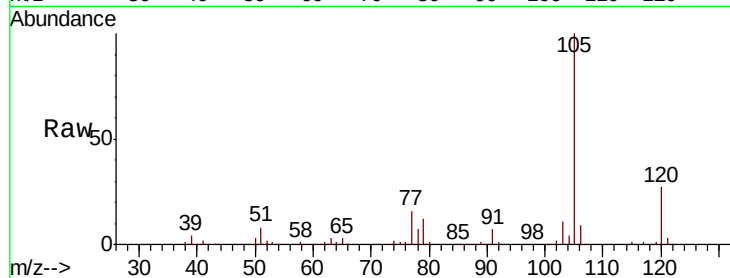
Tot Ion:105 Resp: 348078

Ion Ratio Lower Upper

105 100

120 26.6 21.4 32.2

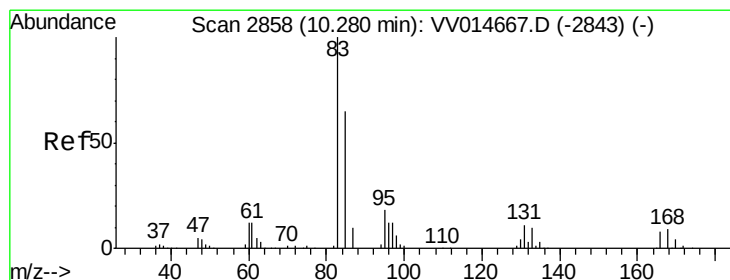
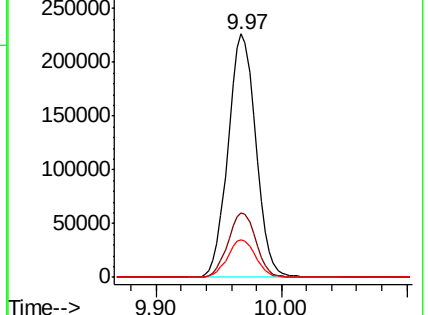
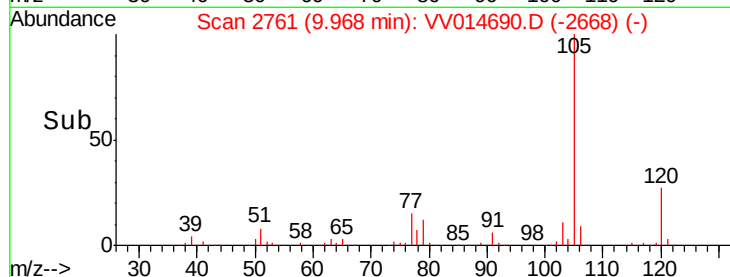
77 15.7 12.6 18.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 52.368 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV014690.D

Acq: 24 Feb 2020 10:19

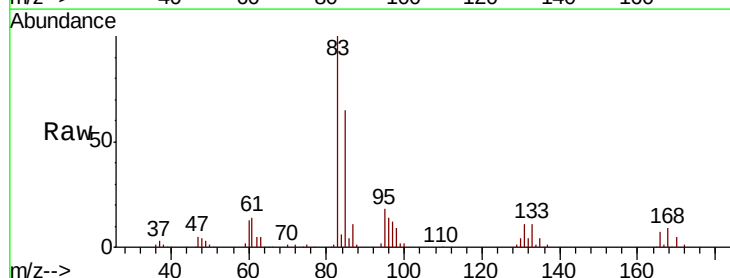
Tgt Ion: 83 Resp: 107229

Ion Ratio Lower Upper

83 100

85 65.2 45.7 84.9

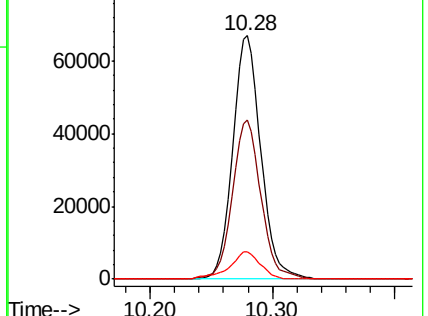
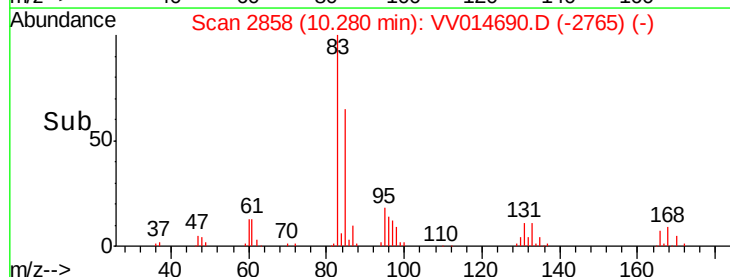
131 11.2 8.8 13.2

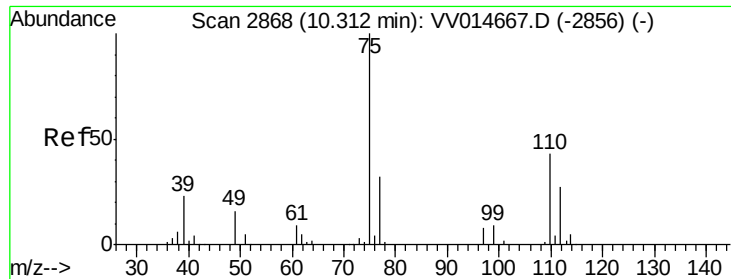


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 52.481 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. 0.00 min

Lab File: VV014690.D

Acq: 24 Feb 2020 10:19

Instrument :

MSVOA_V

ClientSampleId :

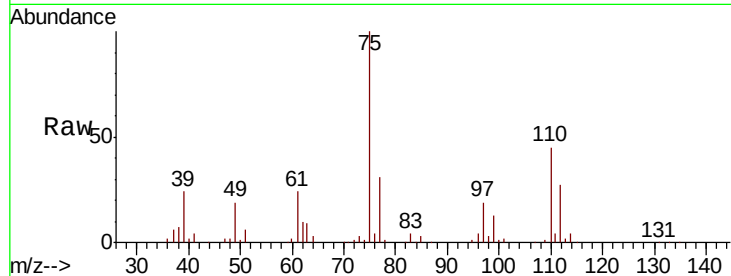
VSTD05074

Tot Ion: 75 Resp: 88226

Ion Ratio Lower Upper

75 100

77 31.8 25.7 38.5

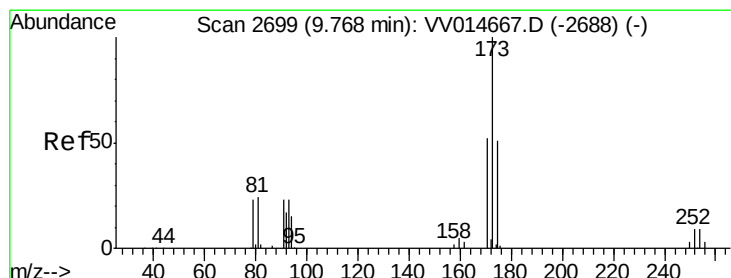
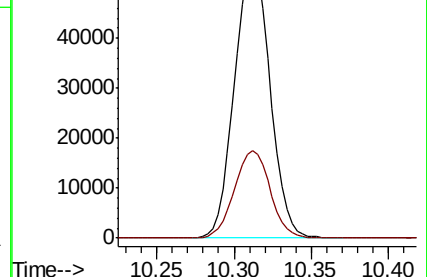
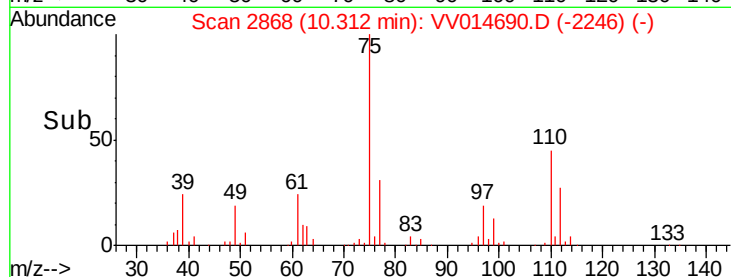


Abundance Ion 75.00 (74.70 to 75.70): VV014667.D (-2856) (-)

Ion 77.00 (76.70 to 77.70): VV014667.D (-2856) (-)

10.31

Time-->



#61

Bromoform

Concen: 54.992 ug/L

RT: 9.77 min Scan# 2699

Delta R.T. 0.00 min

Lab File: VV014690.D

Acq: 24 Feb 2020 10:19

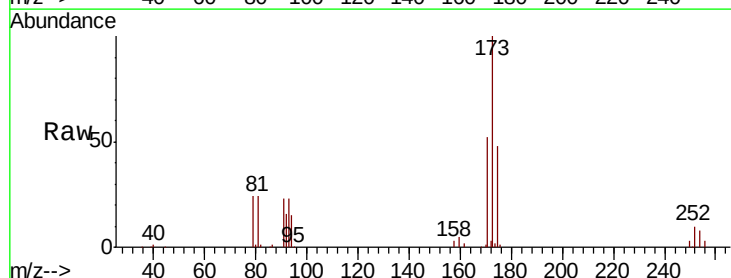
Tgt Ion: 173 Resp: 61273

Ion Ratio Lower Upper

173 100

175 48.9 38.8 58.2

254 8.2 6.7 10.1



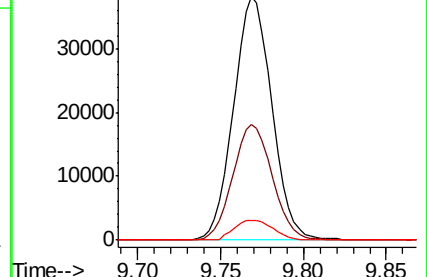
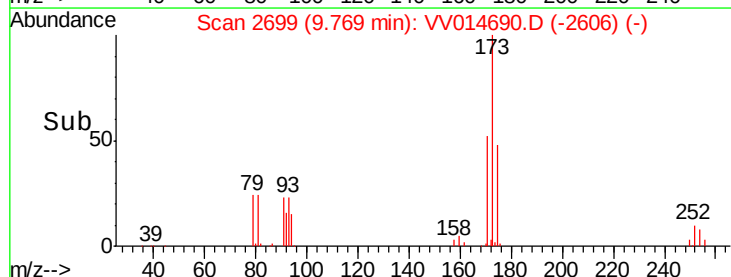
Abundance Ion 173.00 (172.70 to 173.70): VV014667.D (-2688) (-)

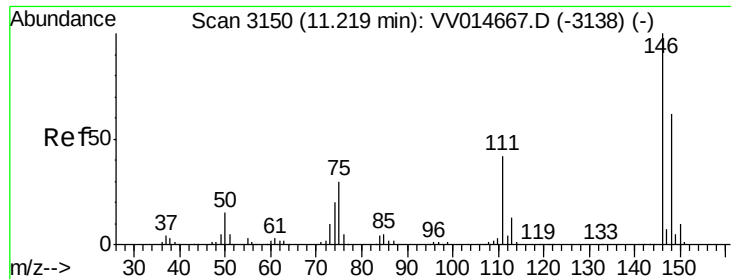
Ion 175.00 (174.70 to 175.70): VV014667.D (-2688) (-)

Ion 254.00 (253.70 to 254.70): VV014667.D (-2688) (-)

9.77

Time-->





#62

1,3-Dichlorobenzene

Concen: 53.076 ug/L

RT: 11.22 min Scan# 3150

Delta R.T. 0.00 min

Lab File: VV014690.D

Acq: 24 Feb 2020 10:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD05074

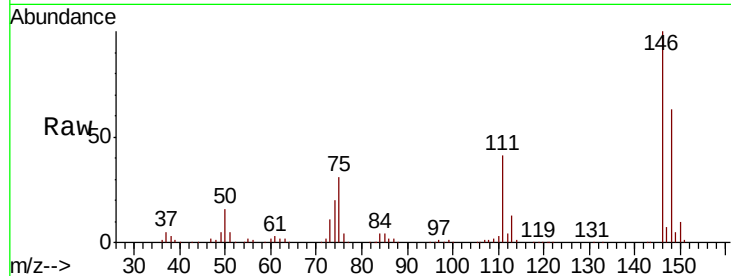
Tot Ion:146 Resp: 163330

Ion Ratio Lower Upper

146 100

111 41.1 29.0 53.9

148 63.5 44.2 82.0

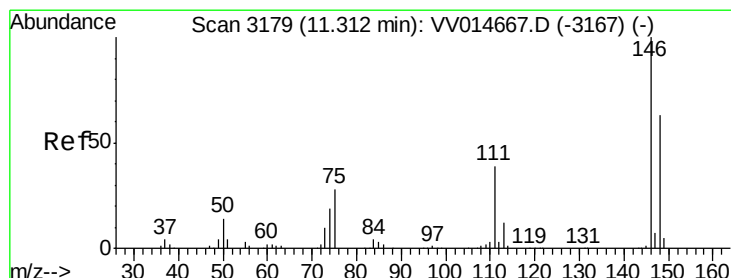
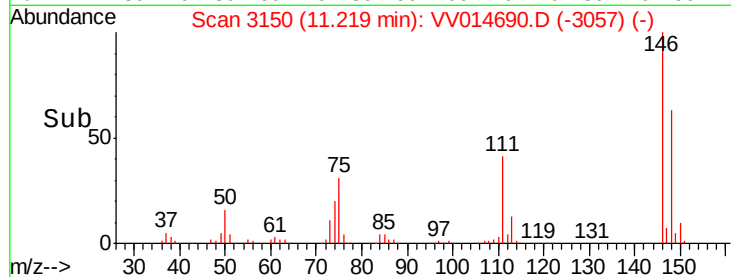
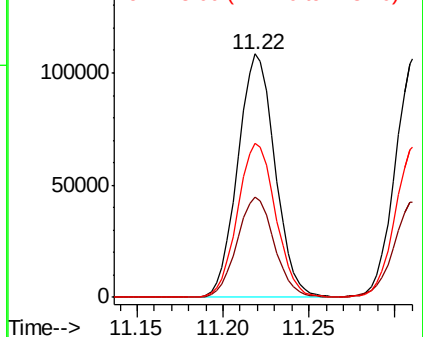


Abundance

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: 52.793 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. 0.00 min

Lab File: VV014690.D

Acq: 24 Feb 2020 10:19

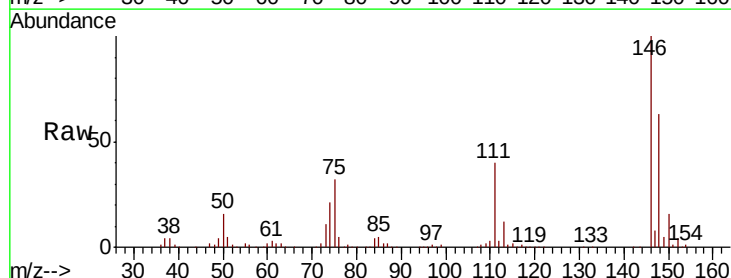
Tgt Ion:146 Resp: 166260

Ion Ratio Lower Upper

146 100

111 39.8 27.6 51.4

148 63.1 44.0 81.6

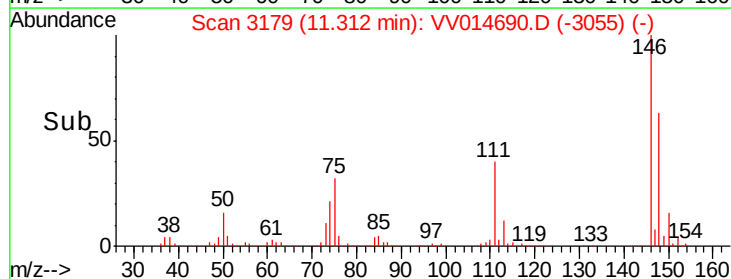
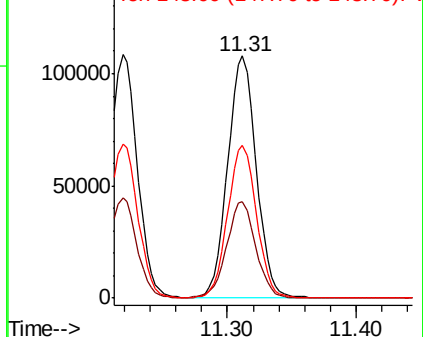


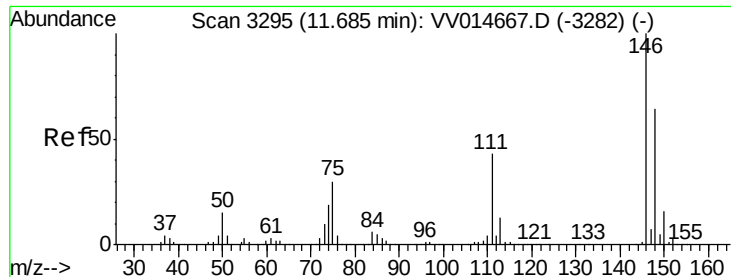
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

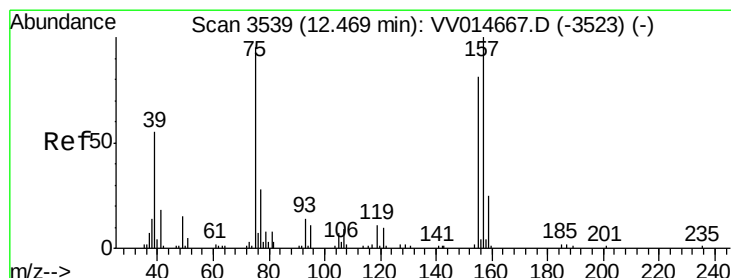
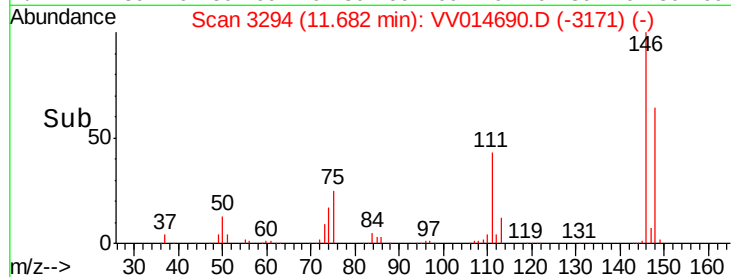
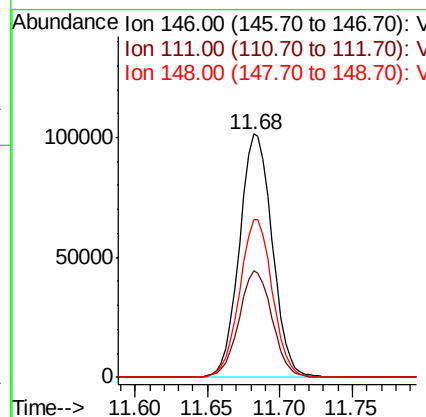
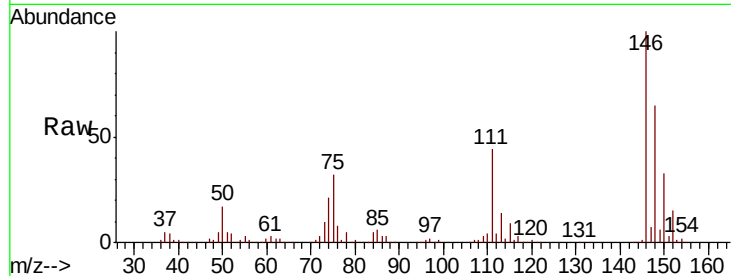




#65
 1,2-Dichlorobenzene
 Concen: 52.133 ug/L
 RT: 11.68 min Scan# 3294
 Delta R.T. -0.00 min
 Lab File: VV014690.D
 Acq: 24 Feb 2020 10:19

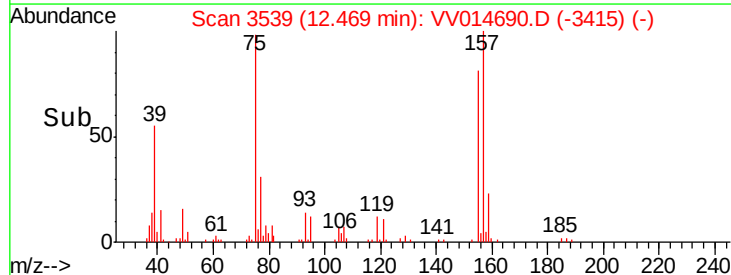
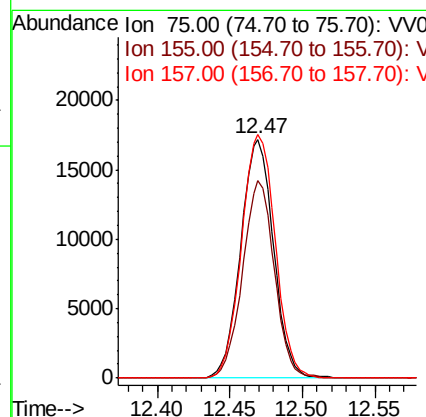
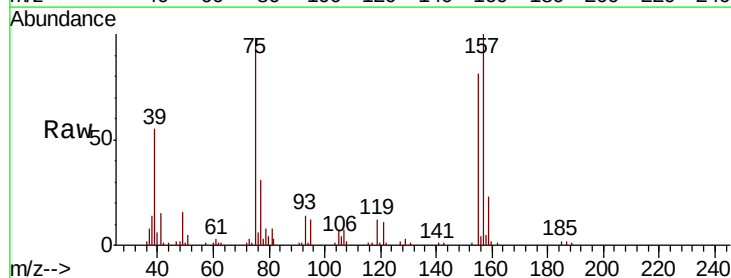
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05074

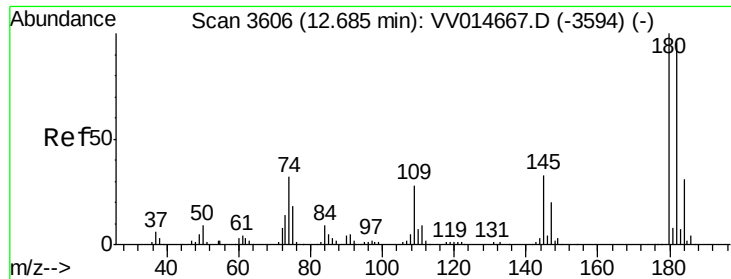
Tot Ion:146 Resp: 159740
 Ion Ratio Lower Upper
 146 100
 111 43.6 34.4 51.6
 148 64.6 51.6 77.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 51.988 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VV014690.D
 Acq: 24 Feb 2020 10:19

Tgt Ion: 75 Resp: 27085
 Ion Ratio Lower Upper
 75 100
 155 82.8 62.6 93.8
 157 102.0 84.7 127.1

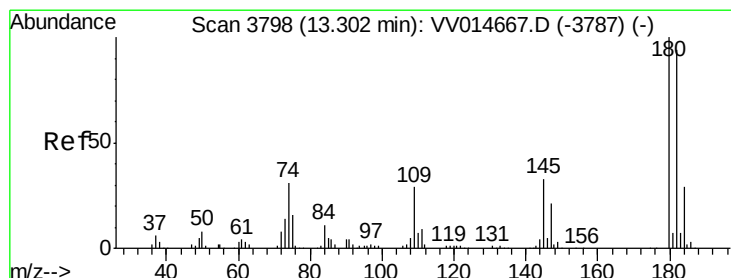
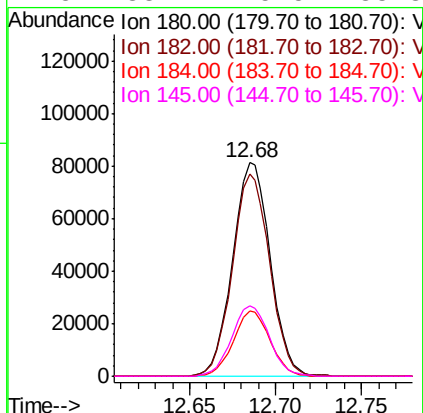
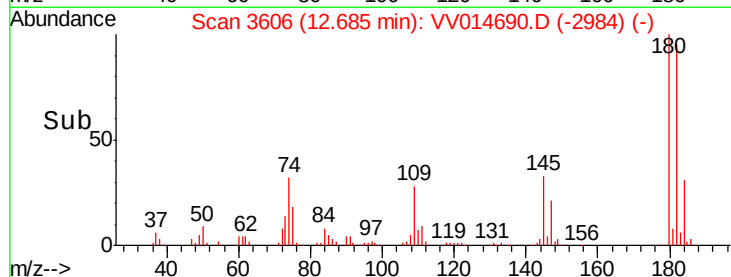
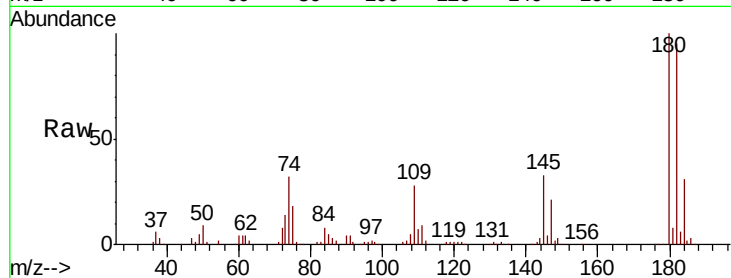




#67
 1,3,5-Trichlorobenzene
 Concen: 54.720 ug/L
 RT: 12.68 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VV014690.D
 Acq: 24 Feb 2020 10:19

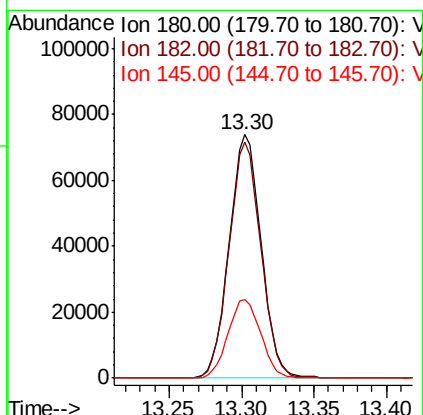
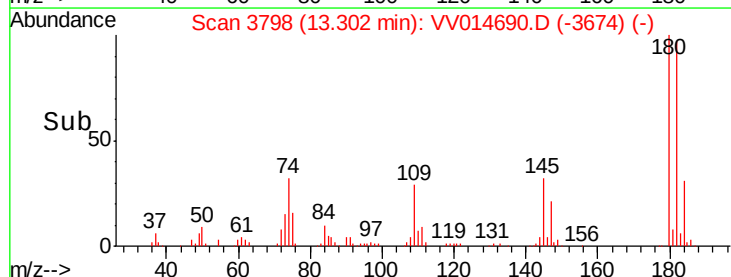
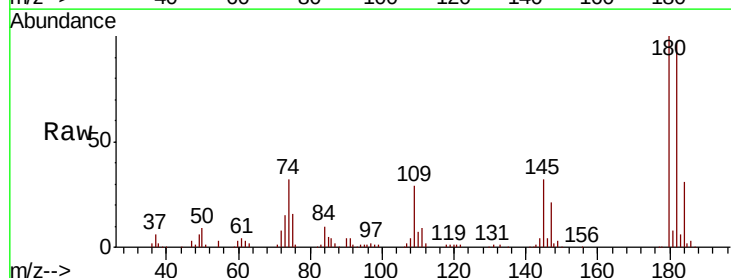
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05074

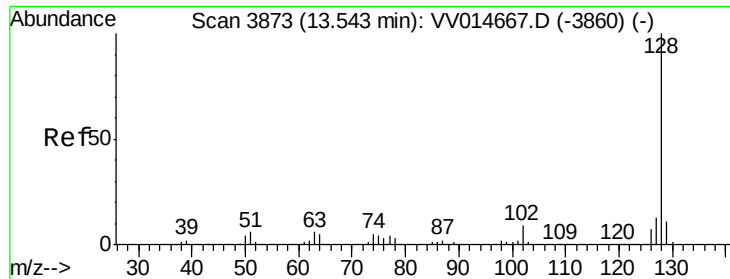
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	75.9	113.9
184	29.9	23.8	35.8
145	33.1	25.5	38.3



#68
 1,2,4-trichlorobenzene
 Concen: 53.260 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. 0.00 min
 Lab File: VV014690.D
 Acq: 24 Feb 2020 10:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	75.3	112.9
145	33.1	25.9	38.9

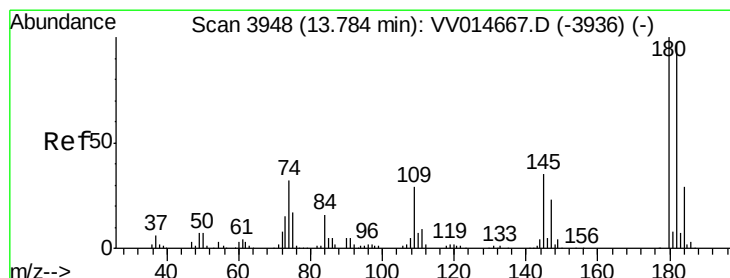
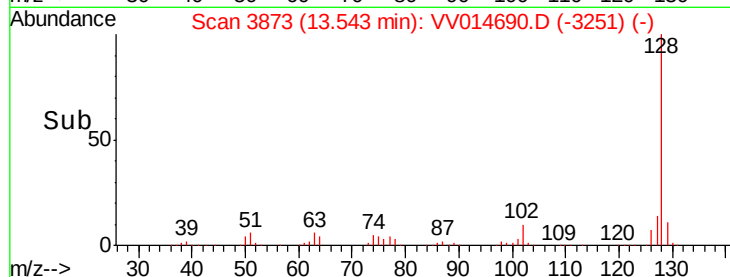
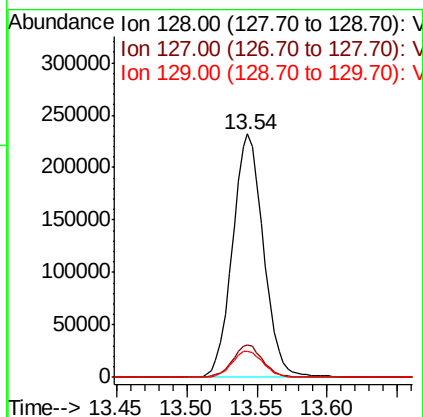
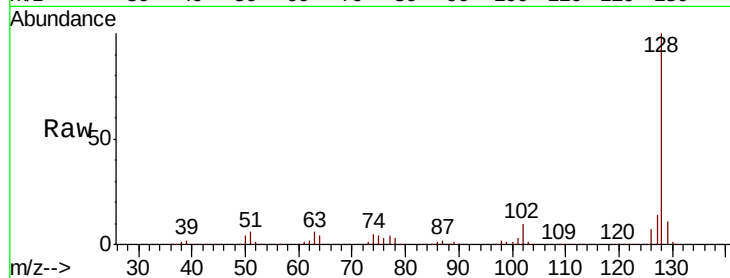




#69
Naphthalene
Concen: 50.059 ug/L
RT: 13.54 min Scan# 3873
Delta R.T. 0.00 min
Lab File: VV014690.D
Acq: 24 Feb 2020 10:19

Instrument :
MSVOA_V
ClientSampleId :
VSTD05074

Tot Ion:128 Resp: 356706
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.2
129 11.0 8.5 12.7



#70
1,2,3-Trichlorobenzene
Concen: 52.487 ug/L
RT: 13.78 min Scan# 3948
Delta R.T. 0.00 min
Lab File: VV014690.D
Acq: 24 Feb 2020 10:19

Tgt Ion:180 Resp: 114412
Ion Ratio Lower Upper
180 100
182 94.2 75.4 113.2
145 33.9 28.2 42.2

