

Data File : VV014601.D
Acq On : 18 Feb 2020 10:13
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05068

Quant Time: Feb 19 01:16:52 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM021220WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Feb 14 09:53:02 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	280805	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	267743	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	134294	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	48107	44.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.22%
7) Chloroethane-d5	1.58	69	36501	48.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.26%
11) 1,1-Dichloroethene-d2	2.13	63	86172	47.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.78%
21) 2-Butanone-d5	3.92	46	90224	100.89	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.89%
24) Chloroform-d	4.40	84	160284	50.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.94%
26) 1,2-Dichloroethane-d4	5.07	65	100787	51.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.32%
32) Benzene-d6	5.09	84	314642	49.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.28%
36) 1,2-Dichloropropane-d6	6.11	67	94281	48.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.78%
41) Toluene-d8	7.35	98	301312	48.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.82%
43) trans-1,3-Dichloropropene-	7.66	79	52525	49.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.78%
47) 2-Hexanone-d5	8.12	63	71516	92.80	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.80%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	132965	50.80	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	119679	50.44	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.88%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	98448	49.403 ug/L	99
3) Chloromethane	1.26	50	80935	45.723 ug/L	97
5) Vinyl chloride	1.33	62	60981	48.473 ug/L	100
6) Bromomethane	1.53	94	33680	55.021 ug/L	99
8) Chloroethane	1.60	64	30663	48.530 ug/L	99
9) Trichlorofluoromethane	1.77	101	113884	52.402 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	45891	49.534 ug/L	95
12) 1,1-Dichloroethene	2.14	96	44212	51.338 ug/L	91
13) Acetone	2.18	43	75929	98.969 ug/L	99
14) Carbon disulfide	2.32	76	200286	47.510 ug/L	98
15) Methyl Acetate	2.45	43	68199	46.381 ug/L	97
16) Methylene chloride	2.53	84	87423	48.566 ug/L	98
17) trans-1,2-Dichloroethene	2.79	96	83975	49.431 ug/L	96
18) Methyl tert-butyl Ether	2.80	73	275004	50.480 ug/L	100
19) 1,1-Dichloroethane	3.23	63	149393	50.152 ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	98078	49.937 ug/L	94
22) 2-Butanone	4.00	43	112939	98.182 ug/L	100

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Quant Title : VOC Analysis
QLast Update : Fri Feb 14 09:53:02 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	48888	51.391	ug/L	97
25) Chloroform	4.42	83	169114	51.310	ug/L	99
27) 1,2-Dichloroethane	5.17	62	123607	50.868	ug/L	99
29) Cyclohexane	4.72	56	128538	47.956	ug/L	99
30) 1,1,1-Trichloroethane	4.65	97	147738	50.722	ug/L	99
31) Carbon tetrachloride	4.87	117	132569	50.405	ug/L	99
33) Benzene	5.14	78	344984	49.075	ug/L	100
34) Trichloroethene	5.96	95	94317	49.720	ug/L	98
35) Methylcyclohexane	6.17	83	145368	48.944	ug/L	99
37) 1,2-Dichloropropane	6.22	63	83691	48.215	ug/L	100
38) Bromodichloromethane	6.55	83	127653	50.153	ug/L	97
39) cis-1,3-Dichloropropene	7.06	75	152803	49.865	ug/L	99
40) 4-Methyl-2-pentanone	7.26	43	197004	91.881	ug/L	100
42) Toluene	7.42	91	377766	49.280	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	137975	49.857	ug/L	97
45) 1,1,2-Trichloroethane	7.87	97	90045	50.220	ug/L	99
46) Tetrachloroethene	8.01	164	75118	50.358	ug/L	98
48) 2-Hexanone	8.17	43	157556	94.251	ug/L	98
49) Dibromochloromethane	8.28	129	106521	49.847	ug/L	99
50) 1,2-Dibromoethane	8.39	107	96708	49.848	ug/L	100
51) Chlorobenzene	8.92	112	253783	49.519	ug/L	99
52) Ethylbenzene	9.05	91	437297	50.290	ug/L	98
53) m,p-Xylene	9.18	106	168462	49.623	ug/L	97
54) o-xylene	9.58	106	163264	50.315	ug/L	98
55) Styrene	9.60	104	280182	50.252	ug/L	99
56) Isopropylbenzene	9.97	105	432751	50.139	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	138651	48.947	ug/L	99
59) 1,2,3-Trichloropropane	10.31	75	107417	48.087	ug/L	100
61) Bromoform	9.77	173	73187	50.352	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	202887	49.955	ug/L	98
63) 1,4-Dichlorobenzene	11.31	146	202521	48.922	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	199589	50.028	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.47	75	30087	46.294	ug/L	93
67) 1,3,5-Trichlorobenzene	12.68	180	144454	49.458	ug/L	98
68) 1,2,4-trichlorobenzene	13.30	180	130721	48.330	ug/L	98
69) Naphthalene	13.54	128	395690	46.136	ug/L	100
70) 1,2,3-Trichlorobenzene	13.78	180	125853	48.267	ug/L	98

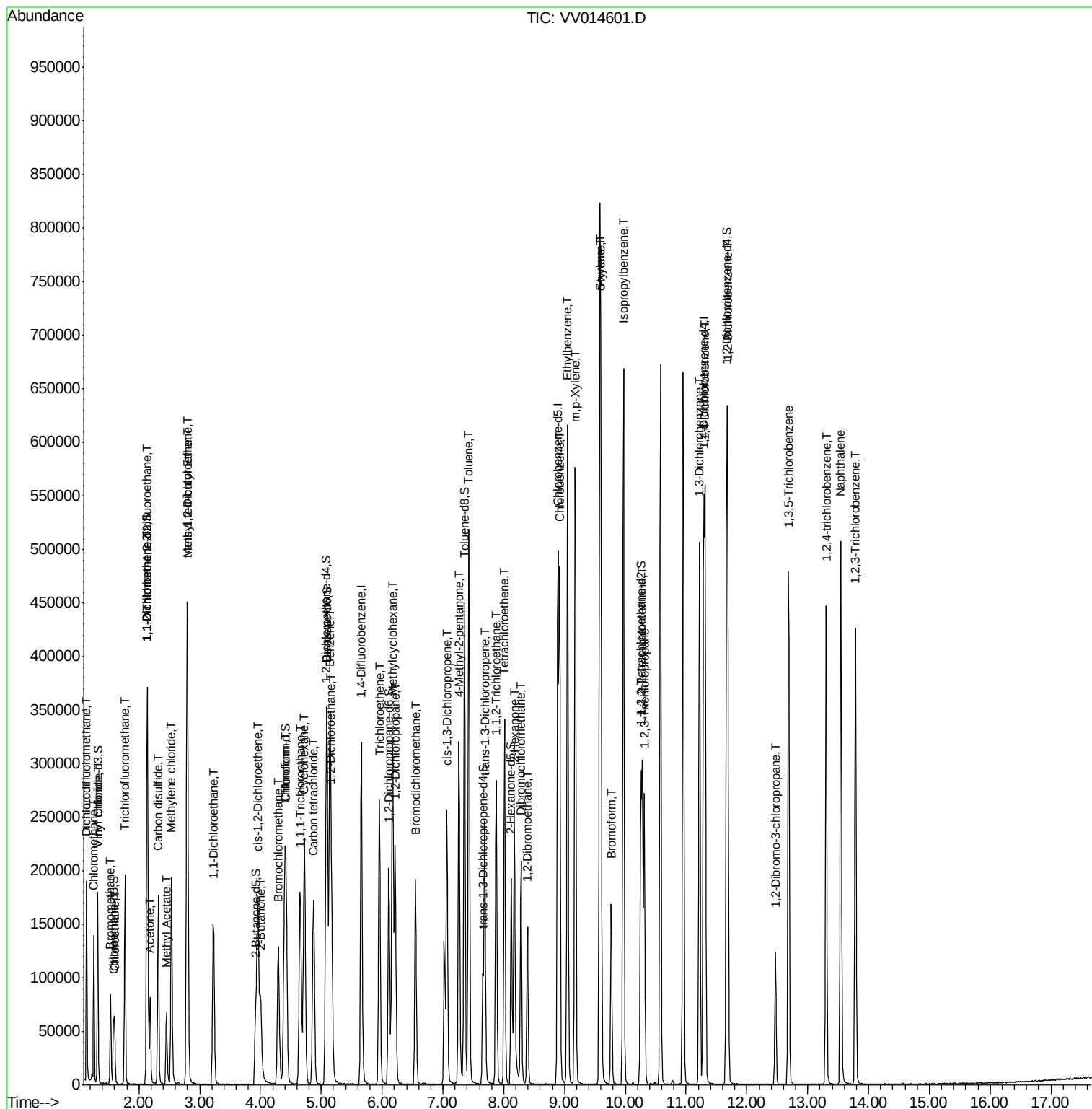
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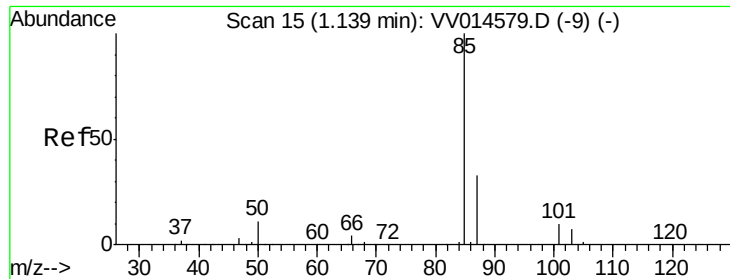
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#2

Dichlorodifluoromethane

Concen: 49.403 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV014601.D

Acq: 18 Feb 2020 10:13

Instrument :

MSVOA_V

ClientSampleId :

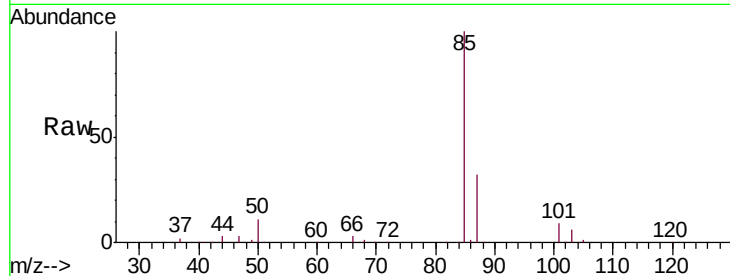
VSTD05068

Tgt Ion: 85 Resp: 98448

Ion Ratio Lower Upper

85 100

87 32.6 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

120000

100000

80000

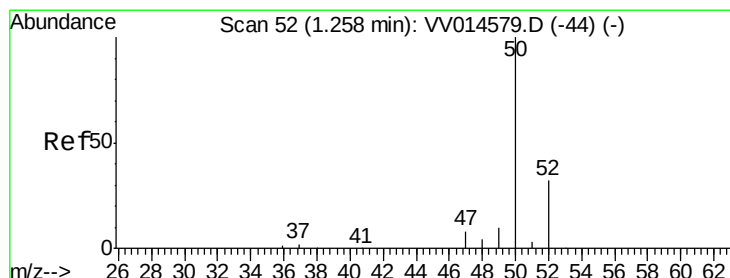
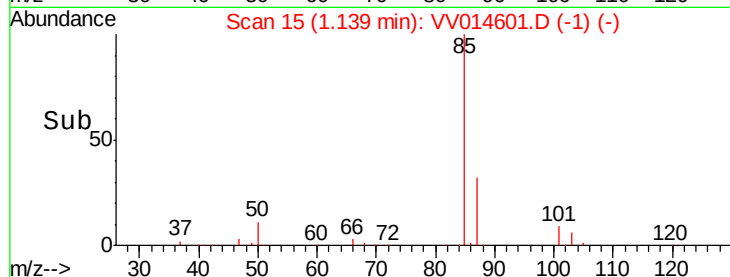
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 45.723 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.00 min

Lab File: VV014601.D

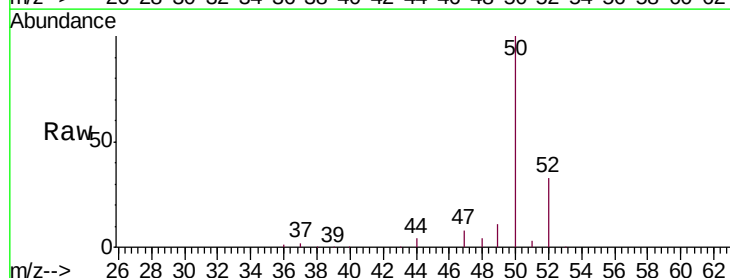
Acq: 18 Feb 2020 10:13

Tgt Ion: 50 Resp: 80935

Ion Ratio Lower Upper

50 100

52 32.7 24.3 45.1



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

1.26

100000

80000

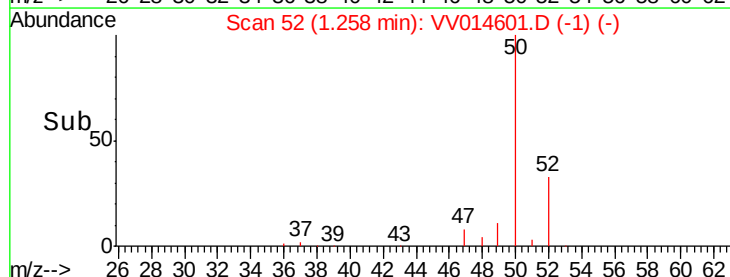
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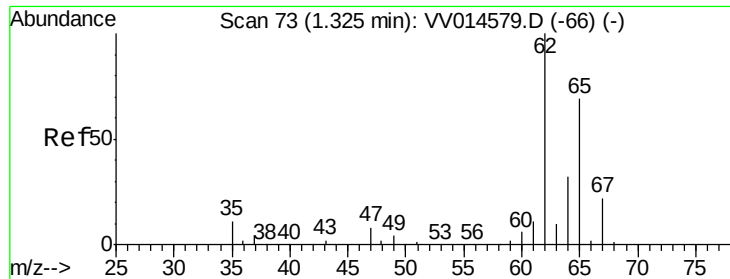
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 48.473 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV014601.D

Acq: 18 Feb 2020 10:13

Instrument :

MSVOA_V

ClientSampleId :

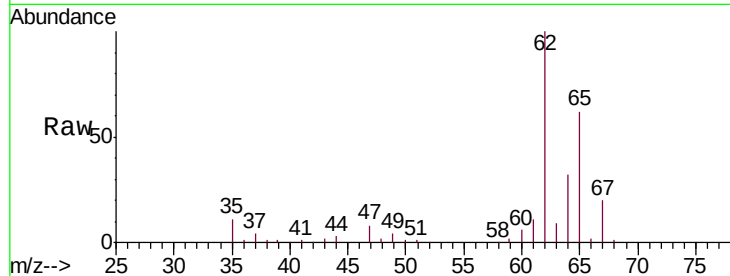
VSTD05068

Tgt Ion: 62 Resp: 60981

Ion Ratio Lower Upper

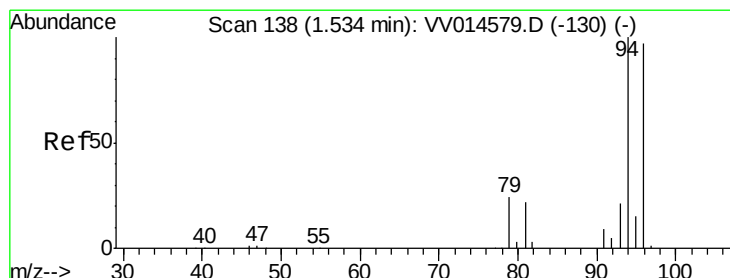
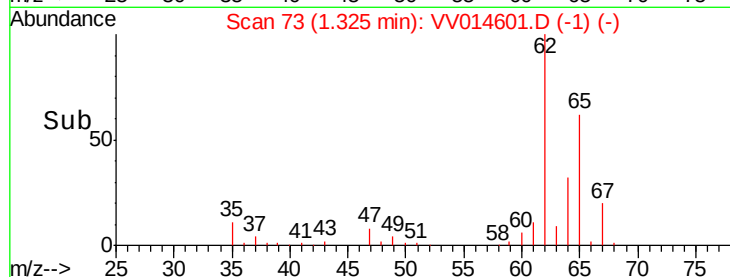
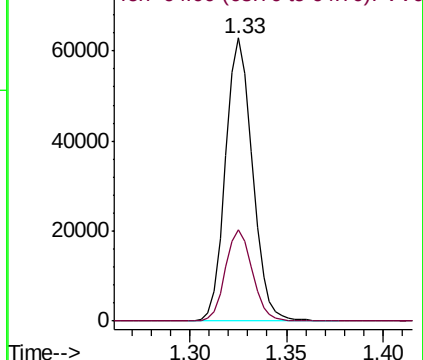
62 100

64 32.2 22.5 41.9



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 55.021 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV014601.D

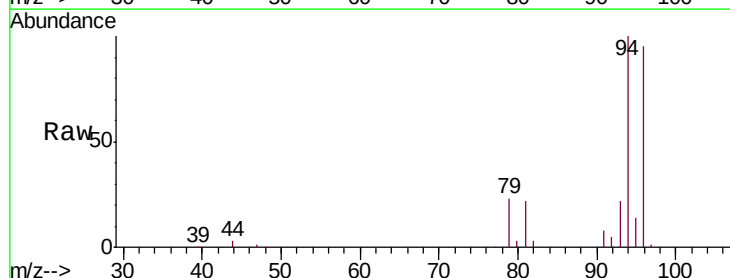
Acq: 18 Feb 2020 10:13

Tgt Ion: 94 Resp: 33680

Ion Ratio Lower Upper

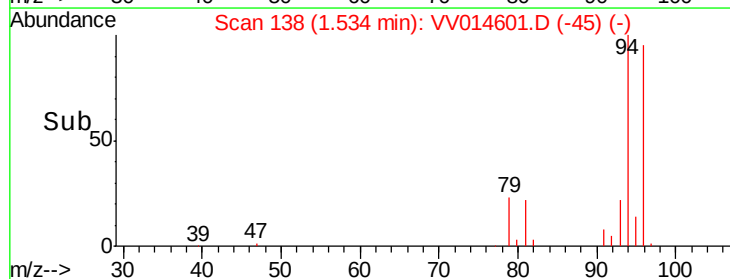
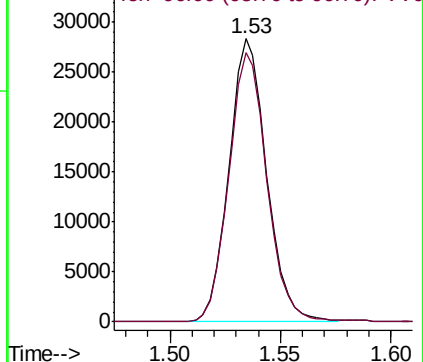
94 100

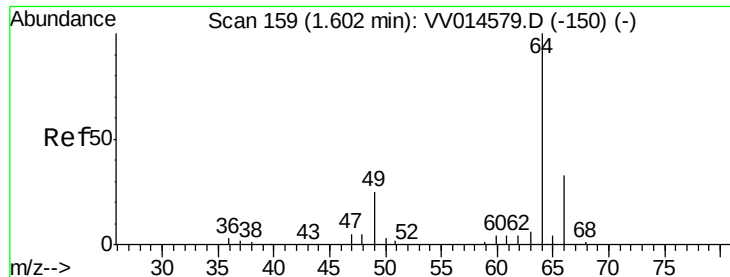
96 95.2 66.1 122.7



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 48.530 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV014601.D

Acq: 18 Feb 2020 10:13

Instrument :

MSVOA_V

ClientSampleId :

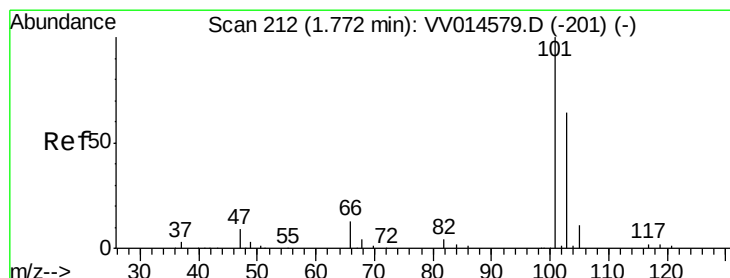
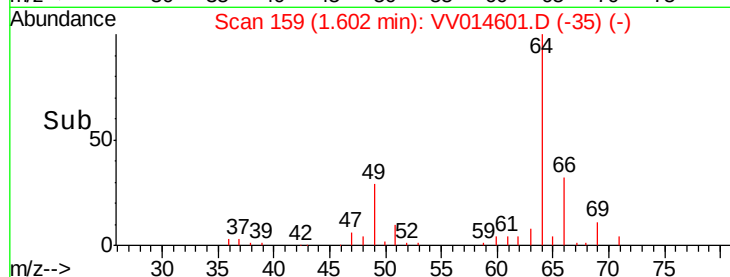
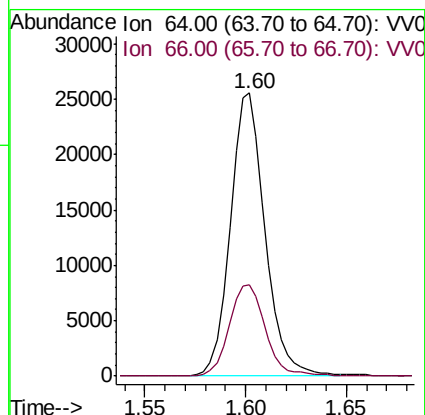
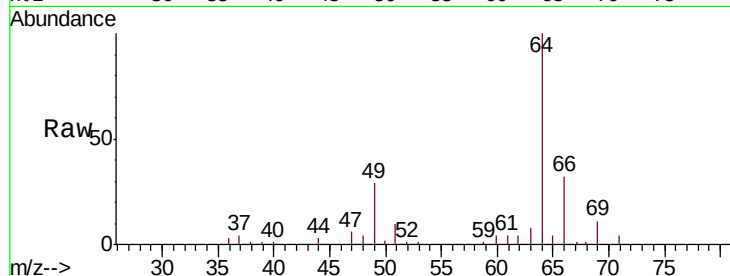
VSTD05068

Tgt Ion: 64 Resp: 30663

Ion Ratio Lower Upper

64 100

66 32.2 22.3 41.5



#9

Trichlorofluoromethane

Concen: 52.402 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV014601.D

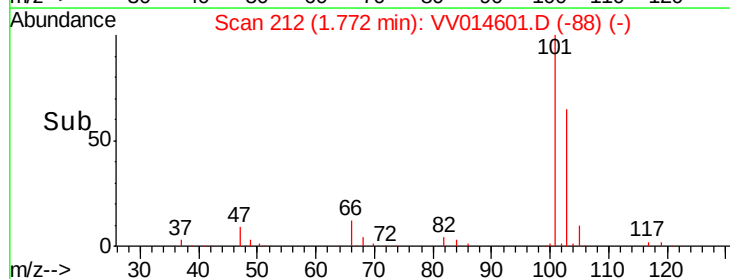
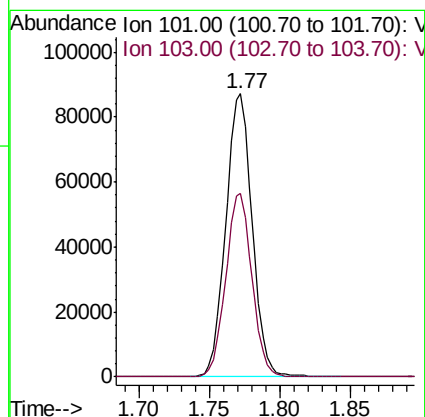
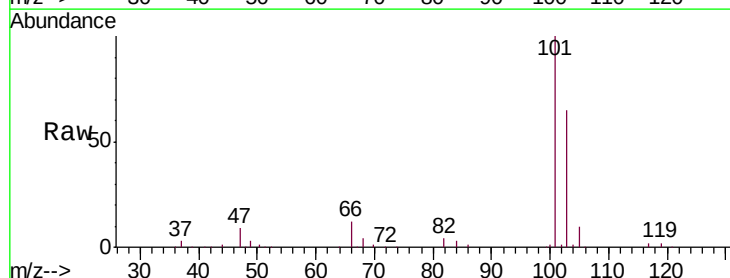
Acq: 18 Feb 2020 10:13

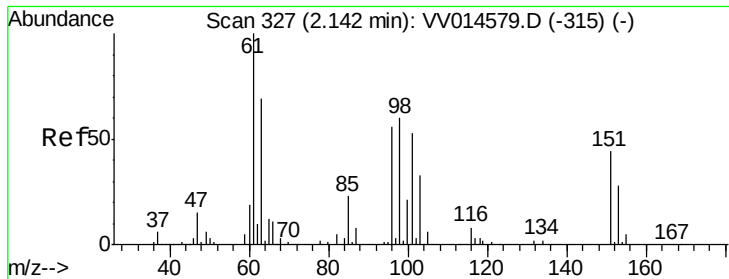
Tgt Ion: 101 Resp: 113884

Ion Ratio Lower Upper

101 100

103 64.0 52.2 78.2





#10

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

Concen: 49.534 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV014601.D

Acq: 18 Feb 2020 10:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD05068

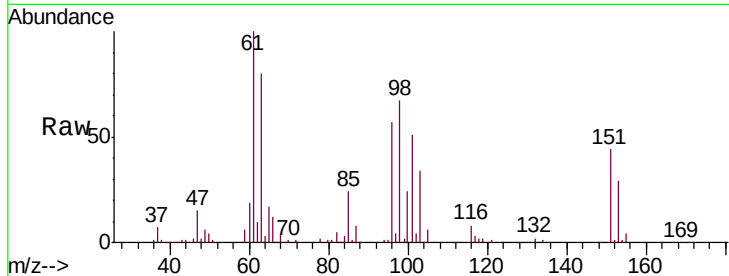
Tgt Ion: 101 Resp: 45891

Ion Ratio Lower Upper

101 100

85 46.5 35.4 53.0

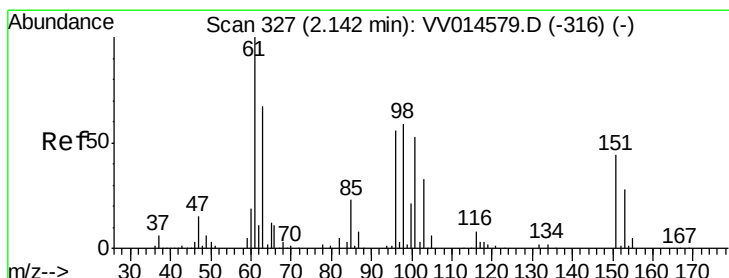
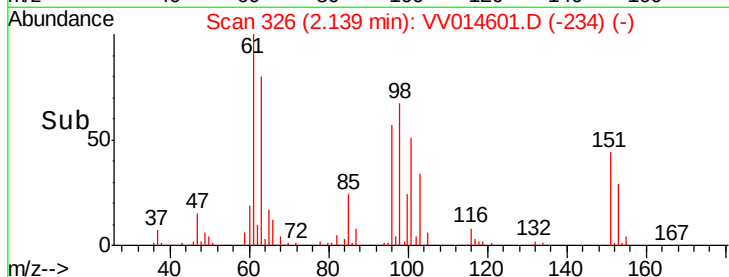
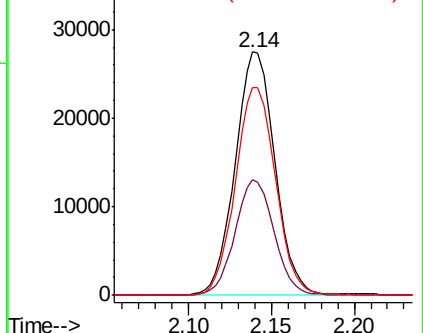
151 86.3 65.4 98.2



Abundance Ion 101.00 (100.70 to 101.70): VV014579.D (-315) (-)

Ion 85.00 (84.70 to 85.70): VV014579.D (-315) (-)

Ion 151.00 (150.70 to 151.70): VV014579.D (-315) (-)



#12

1,1-Dichloroethene

Concen: 51.338 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV014601.D

Acq: 18 Feb 2020 10:13

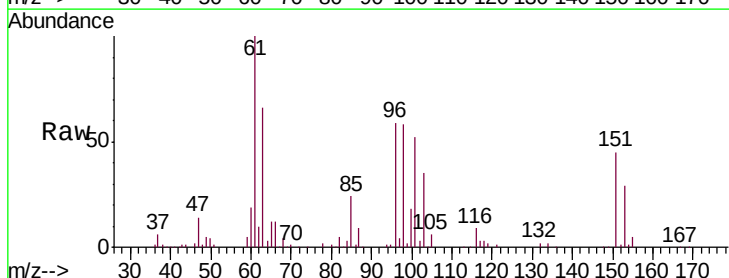
Tgt Ion: 96 Resp: 44212

Ion Ratio Lower Upper

96 100

61 169.6 124.2 230.6

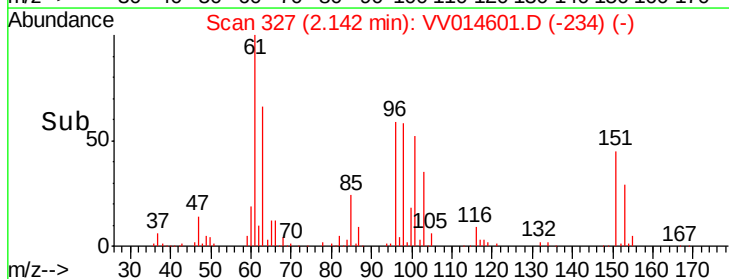
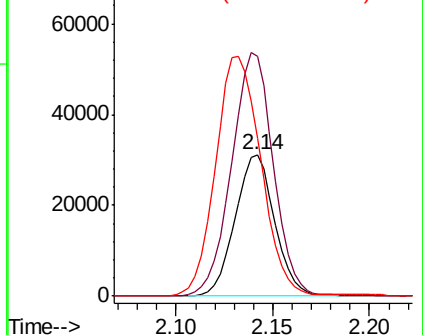
63 111.6 89.2 165.8

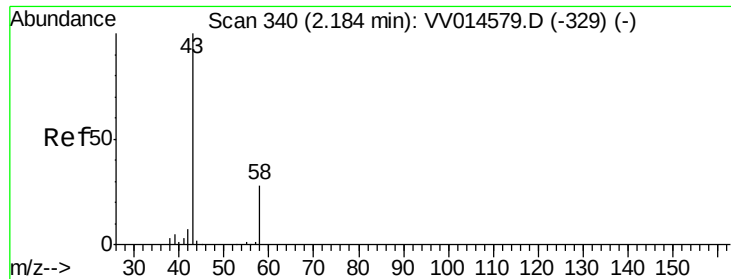


Abundance Ion 96.00 (95.70 to 96.70): VV014579.D (-316) (-)

Ion 61.00 (60.70 to 61.70): VV014579.D (-316) (-)

Ion 63.00 (62.70 to 63.70): VV014579.D (-316) (-)





#13

Acetone

Concen: 98.969 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VV014601.D

Acq: 18 Feb 2020 10:13

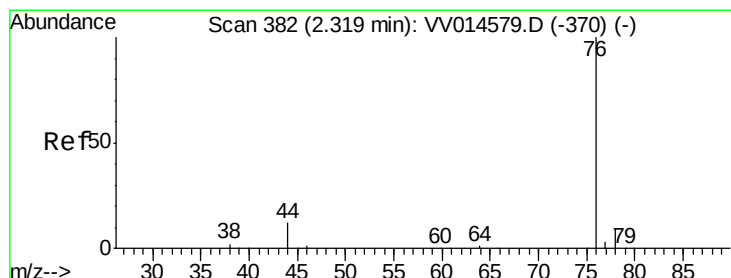
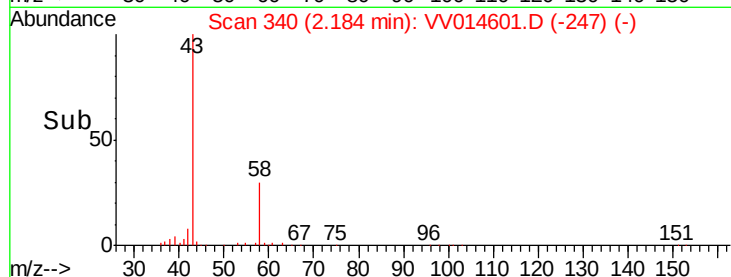
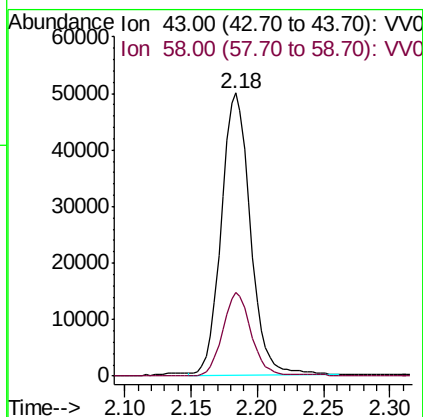
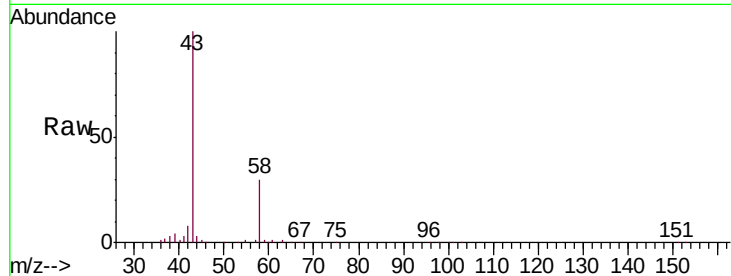
Instrument :
MSVOA_V
ClientSampleId :
VSTD05068

Tgt Ion: 43 Resp: 75929

Ion Ratio Lower Upper

43 100

58 29.0 0.0 58.8



#14

Carbon disulfide

Concen: 47.510 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV014601.D

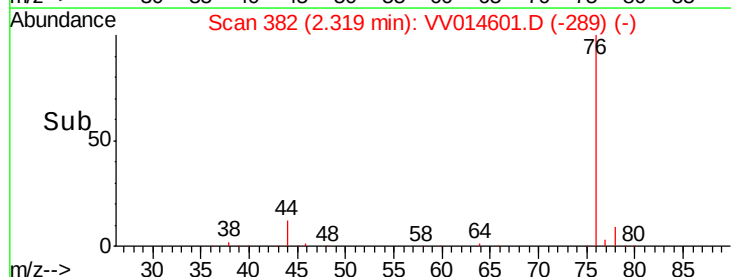
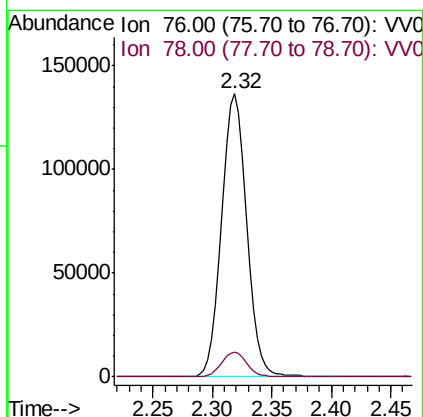
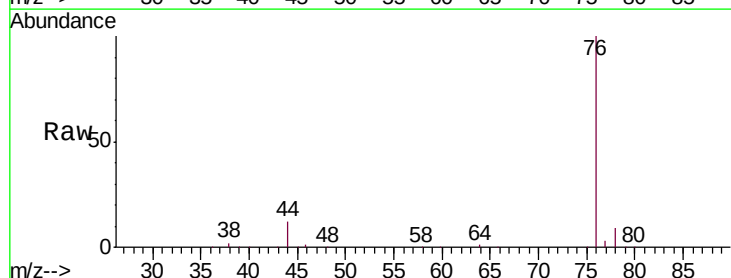
Acq: 18 Feb 2020 10:13

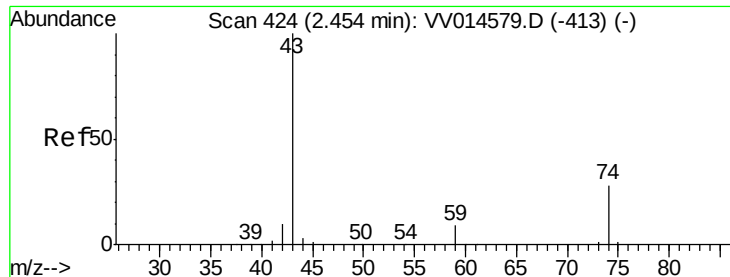
Tgt Ion: 76 Resp: 200286

Ion Ratio Lower Upper

76 100

78 8.8 7.5 11.3

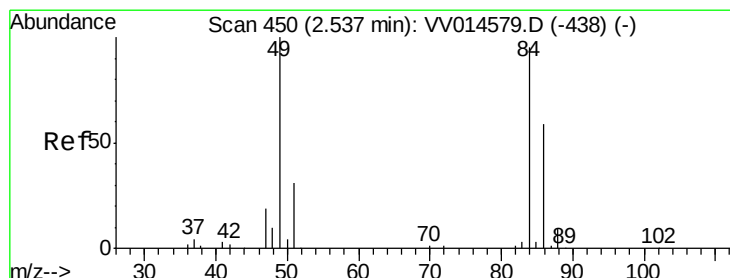
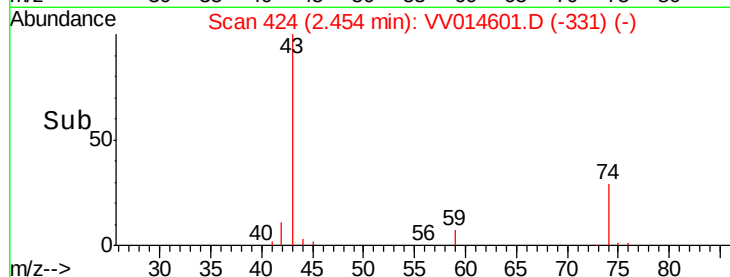
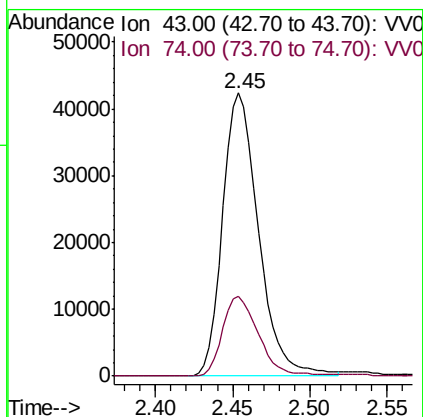
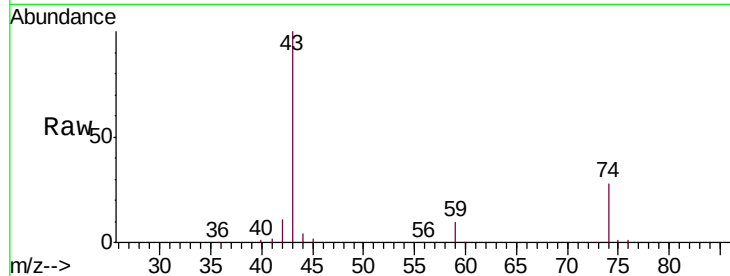




#15
Methyl Acetate
Concen: 46.381 ug/L
RT: 2.45 min Scan# 424
Delta R.T. 0.00 min
Lab File: VV014601.D
Acq: 18 Feb 2020 10:13

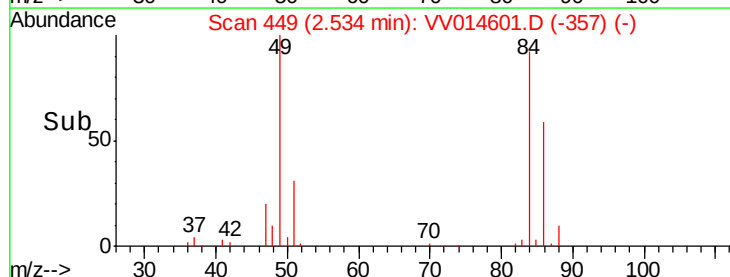
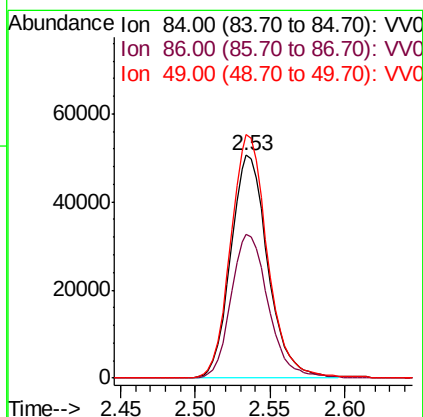
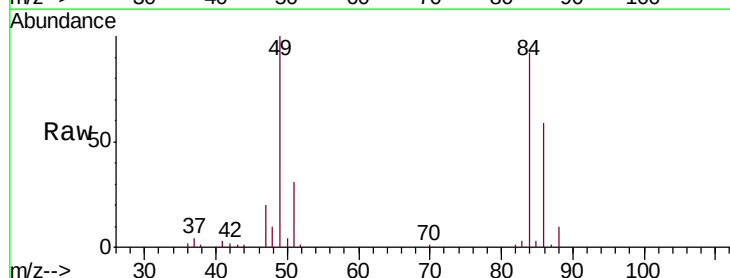
Instrument :
MSVOA_V
ClientSampleId :
VSTD05068

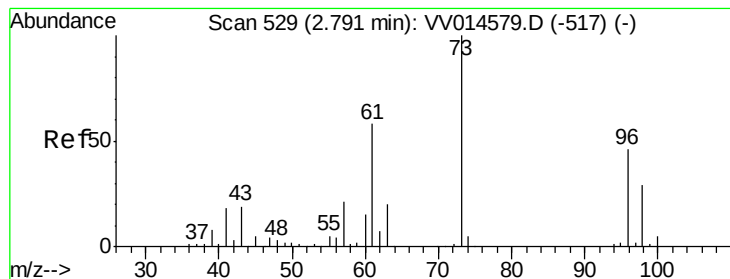
Tgt Ion: 43 Resp: 68199
Ion Ratio Lower Upper
43 100
74 28.4 21.4 32.2



#16
Methylene chloride
Concen: 48.566 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV014601.D
Acq: 18 Feb 2020 10:13

Tgt Ion: 84 Resp: 87423
Ion Ratio Lower Upper
84 100
86 64.7 46.3 86.1
49 109.2 78.1 145.1





#17

trans-1,2-Dichloroethene

Concen: 49.431 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV014601.D

Acq: 18 Feb 2020 10:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD05068

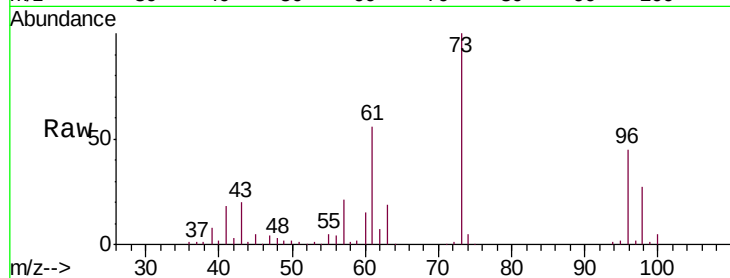
Tgt Ion: 96 Resp: 83975

Ion Ratio Lower Upper

96 100

61 126.1 93.0 172.6

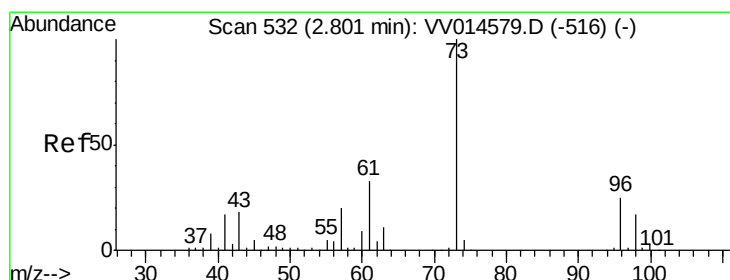
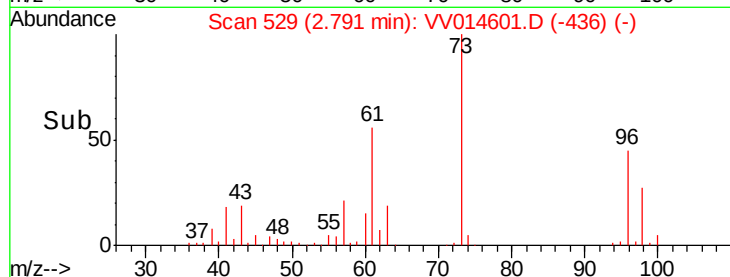
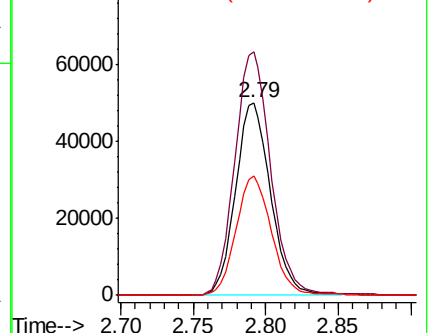
98 61.6 44.2 82.0



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: 50.480 ug/L

RT: 2.80 min Scan# 532

Delta R.T. 0.00 min

Lab File: VV014601.D

Acq: 18 Feb 2020 10:13

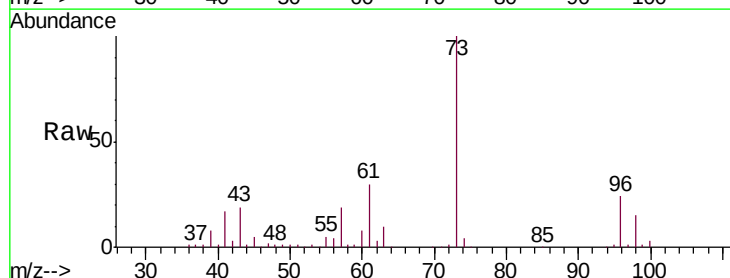
Tgt Ion: 73 Resp: 275004

Ion Ratio Lower Upper

73 100

43 19.2 15.1 22.7

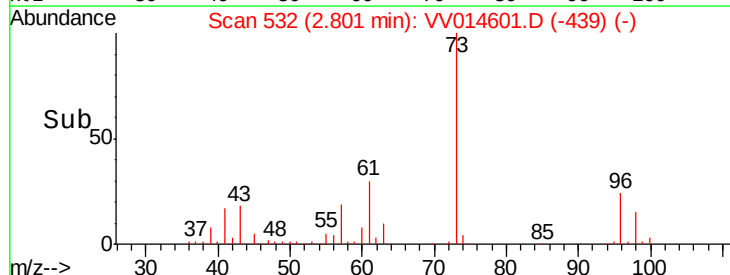
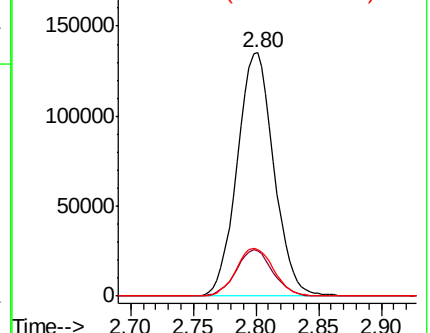
57 20.3 16.2 24.4

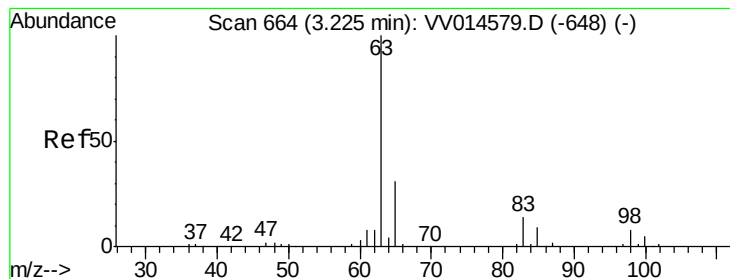


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 50.152 ug/L

RT: 3.23 min Scan# 664

Delta R.T. 0.00 min

Lab File: VV014601.D

Acq: 18 Feb 2020 10:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD05068

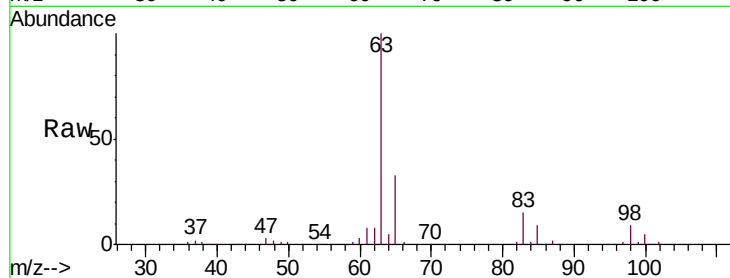
Tgt Ion: 63 Resp: 149393

Ion Ratio Lower Upper

63 100

65 32.8 22.2 41.2

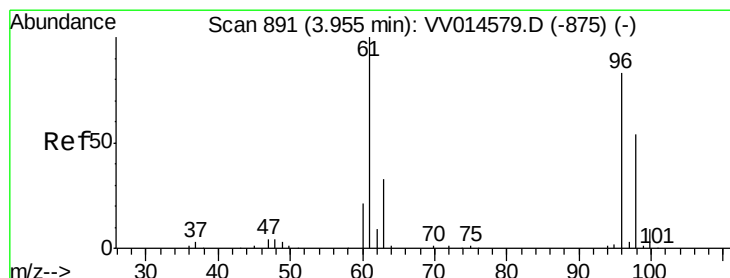
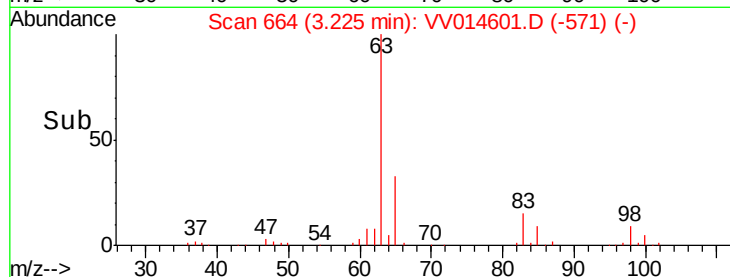
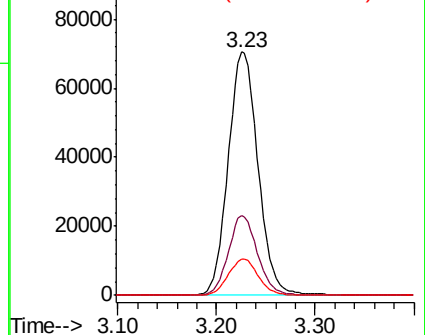
83 14.7 10.4 19.2



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 49.937 ug/L

RT: 3.96 min Scan# 892

Delta R.T. 0.00 min

Lab File: VV014601.D

Acq: 18 Feb 2020 10:13

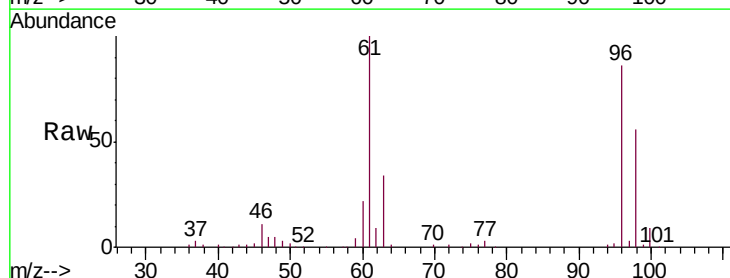
Tgt Ion: 96 Resp: 98078

Ion Ratio Lower Upper

96 100

61 115.8 85.9 159.5

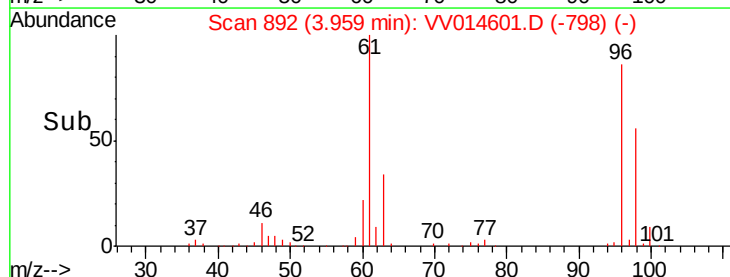
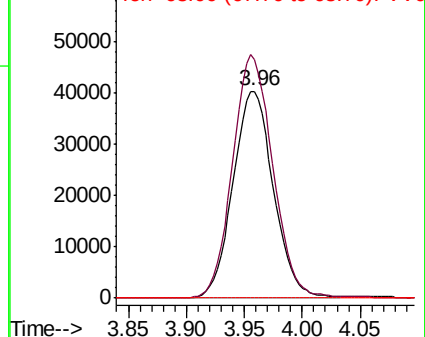
68 0.0 0.0 0.0

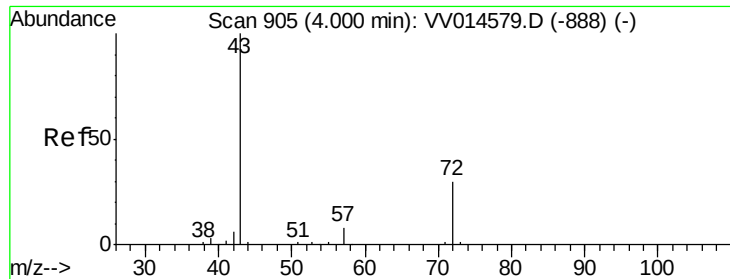


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 98.182 ug/L

RT: 4.00 min Scan# 905

Delta R.T. 0.00 min

Lab File: VV014601.D

Acq: 18 Feb 2020 10:13

Instrument :

MSVOA_V

ClientSampleId :

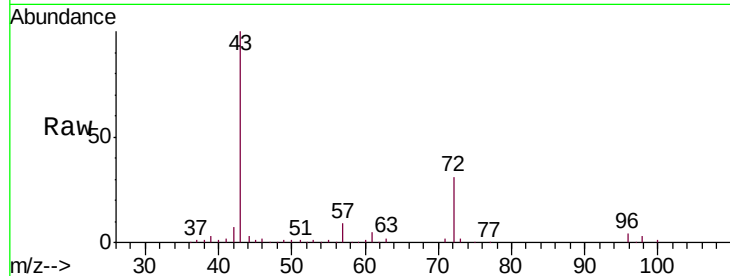
VSTD05068

Tgt Ion: 43 Resp: 112939

Ion Ratio Lower Upper

43 100

72 31.8 15.9 47.7



Abundance Ion 43.00 (42.70 to 43.70): VV014579.D (-888) (-)

Ion 72.00 (71.70 to 72.70): VV014579.D (-888) (-)

4.00

50000

40000

30000

20000

10000

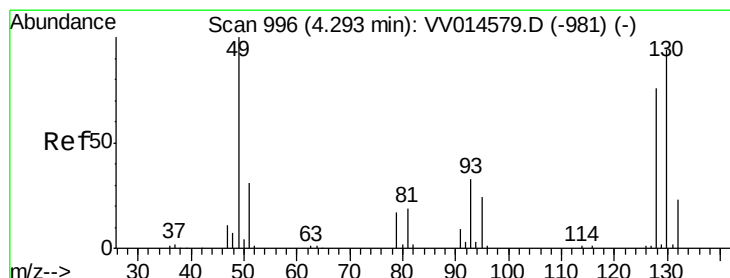
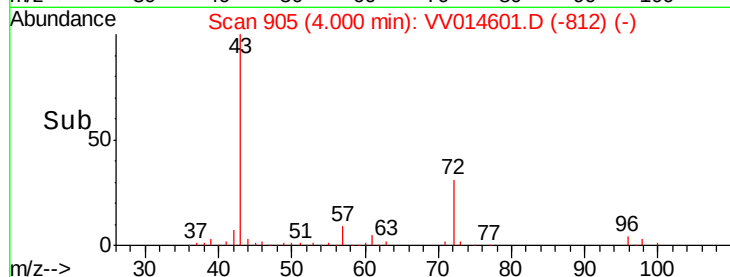
0

Time-->

3.90

4.00

4.10



#23

Bromochloromethane

Concen: 51.391 ug/L

RT: 4.29 min Scan# 996

Delta R.T. 0.00 min

Lab File: VV014601.D

Acq: 18 Feb 2020 10:13

Tgt Ion: 128 Resp: 48888

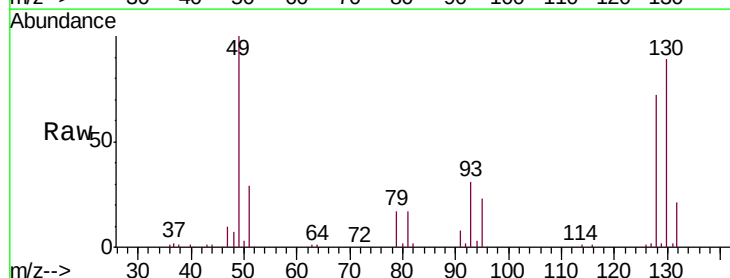
Ion Ratio Lower Upper

128 100

49 139.3 97.1 180.3

130 124.2 90.7 168.5

51 40.0 36.4 54.6



Abundance Ion 128.00 (127.70 to 128.70): VV014579.D (-981) (-)

Ion 49.00 (48.70 to 49.70): VV014579.D (-981) (-)

Ion 130.00 (129.70 to 130.70): VV014579.D (-981) (-)

Ion 51.00 (50.70 to 51.70): VV014579.D (-981) (-)

4.29

40000

30000

20000

10000

0

Time-->

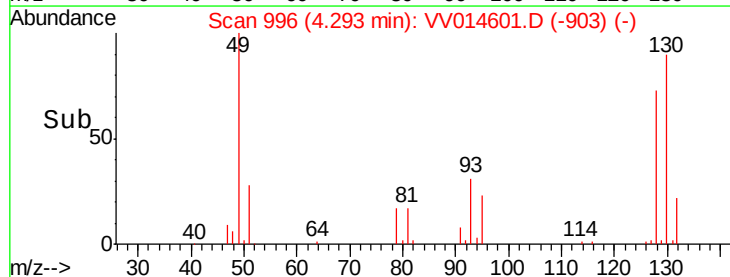
4.20

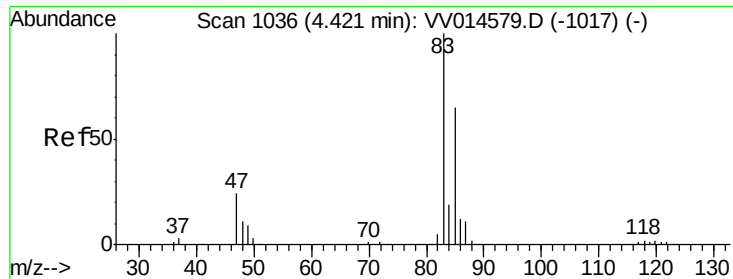
4.25

4.30

4.35

4.40

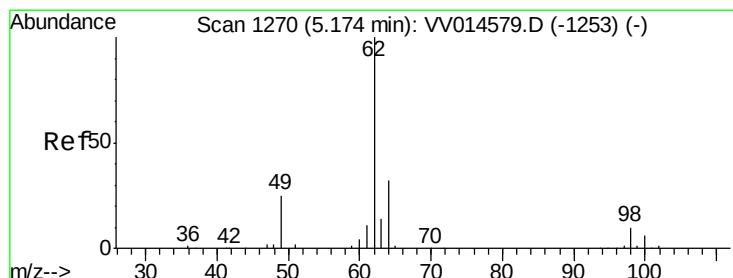
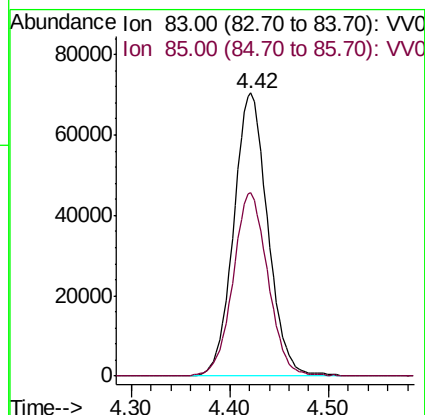
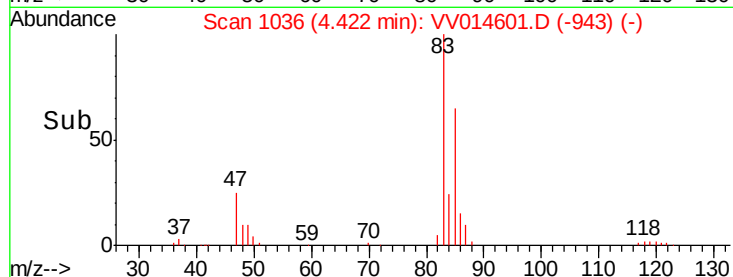
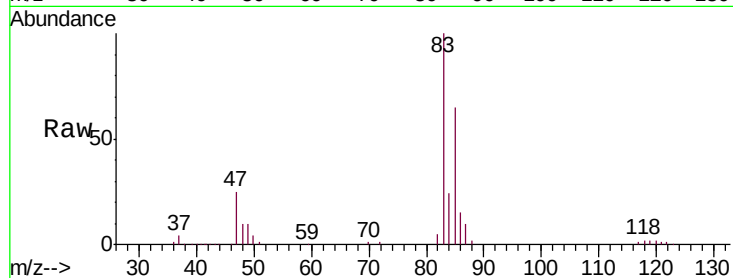




#25
Chloroform
Concen: 51.310 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VV014601.D
Acq: 18 Feb 2020 10:13

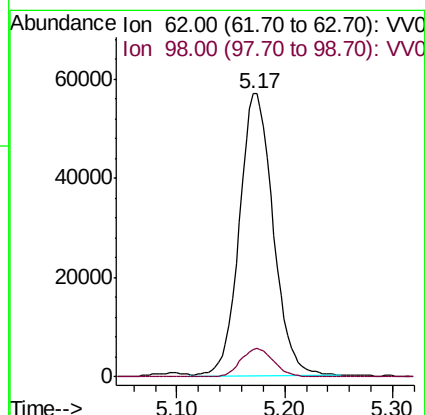
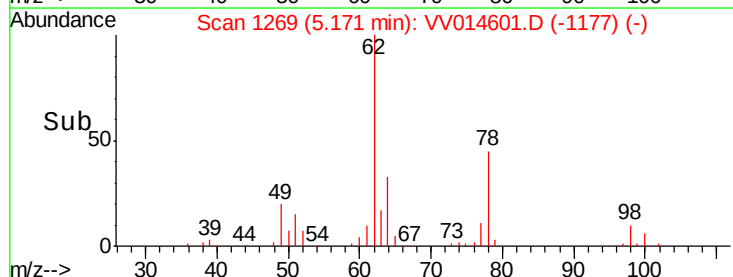
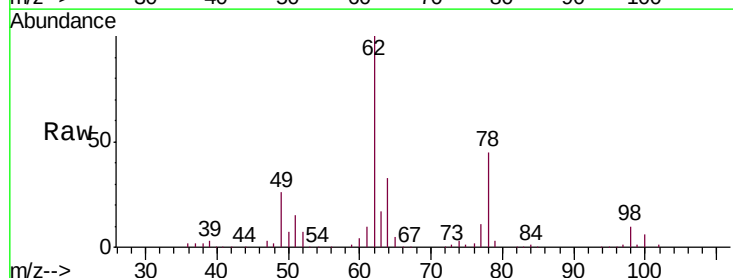
Instrument :
MSVOA_V
ClientSampleId :
VSTD05068

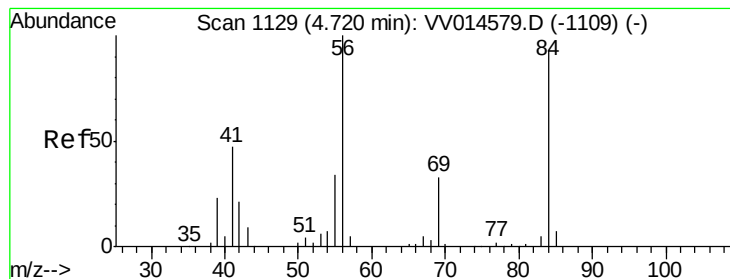
Tgt Ion: 83 Resp: 169114
Ion Ratio Lower Upper
83 100
85 64.8 45.0 83.6



#27
1,2-Dichloroethane
Concen: 50.868 ug/L
RT: 5.17 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VV014601.D
Acq: 18 Feb 2020 10:13

Tgt Ion: 62 Resp: 123607
Ion Ratio Lower Upper
62 100
98 9.6 7.9 11.9





#29

Cyclohexane

Concen: 47.956 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VV014601.D

Acq: 18 Feb 2020 10:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD05068

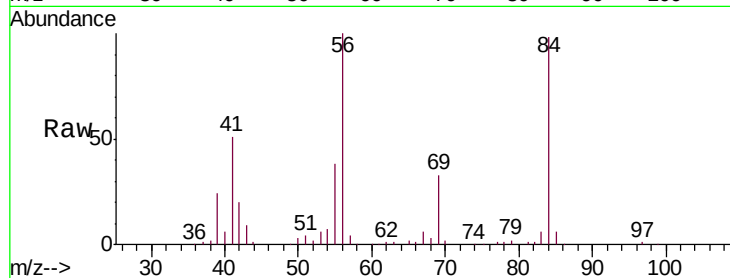
Tgt Ion: 56 Resp: 128538

Ion Ratio Lower Upper

56 100

69 33.0 26.5 39.7

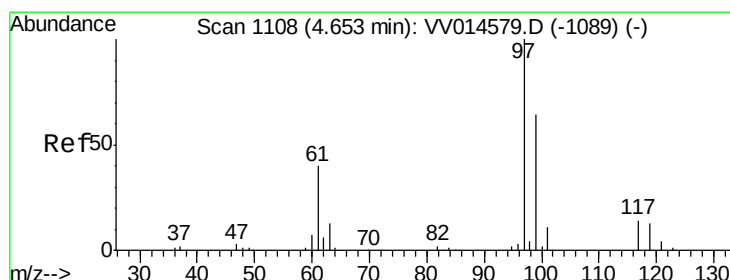
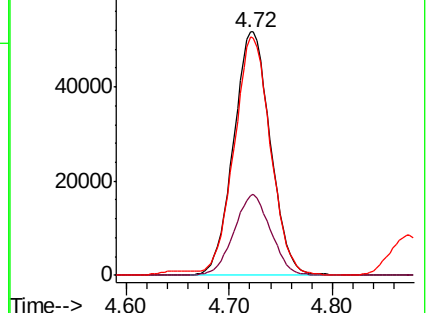
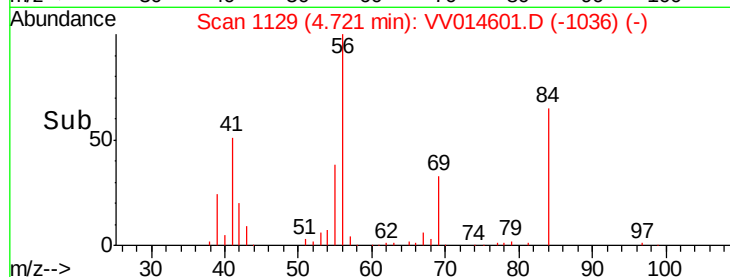
84 95.9 75.8 113.8



Abundance Ion 56.00 (55.70 to 56.70): VV014601.D (-1036) (-)

Ion 69.00 (68.70 to 69.70): VV014601.D (-1036) (-)

Ion 84.00 (83.70 to 84.70): VV014601.D (-1036) (-)



#30

1,1,1-Trichloroethane

Concen: 50.722 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VV014601.D

Acq: 18 Feb 2020 10:13

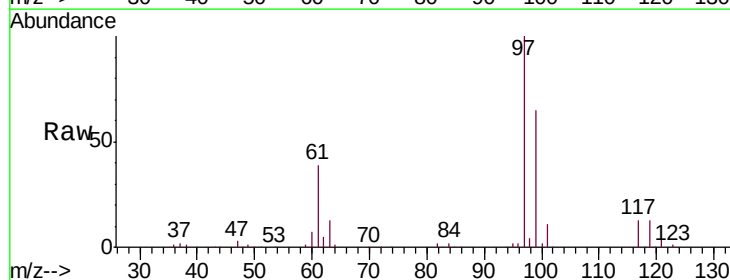
Tgt Ion: 97 Resp: 147738

Ion Ratio Lower Upper

97 100

99 64.3 51.2 76.8

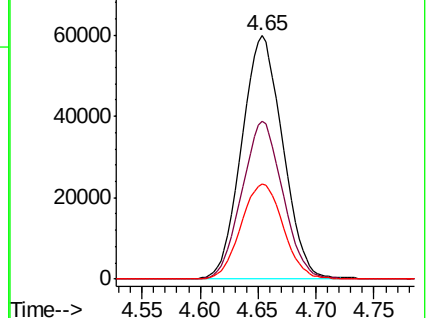
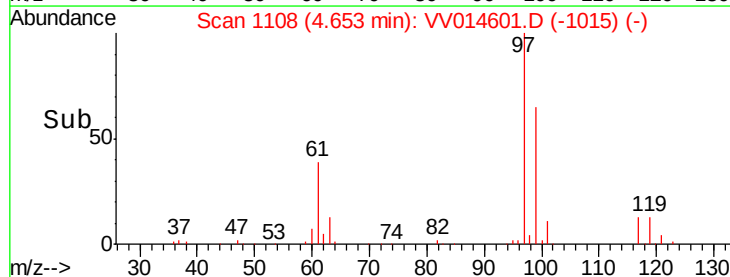
61 40.1 32.4 48.6

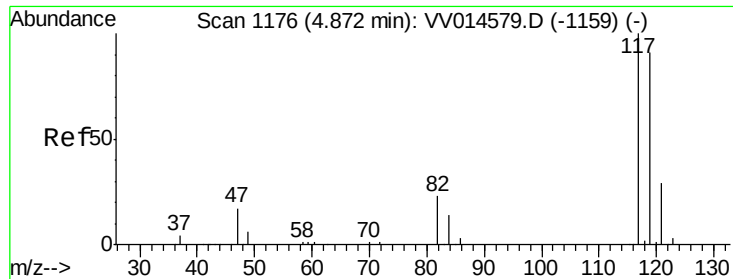


Abundance Ion 97.00 (96.70 to 97.70): VV014601.D (-1015) (-)

Ion 99.00 (98.70 to 99.70): VV014601.D (-1015) (-)

Ion 61.05 (60.75 to 61.75): VV014601.D (-1015) (-)





#31

Carbon tetrachloride

Concen: 50.405 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV014601.D

Acq: 18 Feb 2020 10:13

Instrument :

MSVOA_V

ClientSampleId :

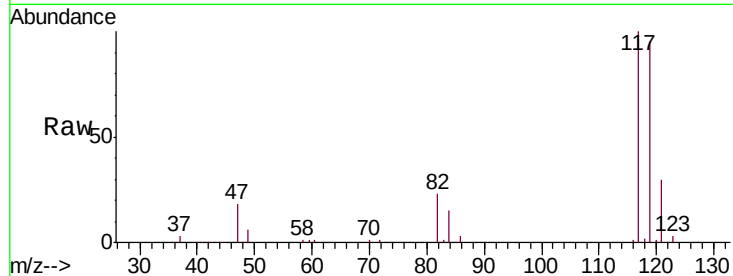
VSTD05068

Tgt Ion:117 Resp: 132569

Ion Ratio Lower Upper

117 100

119 96.0 77.6 116.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.87

60000

50000

40000

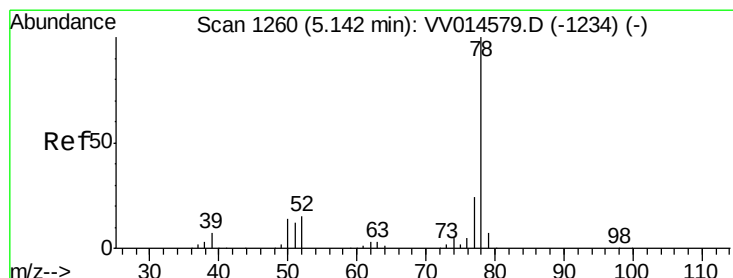
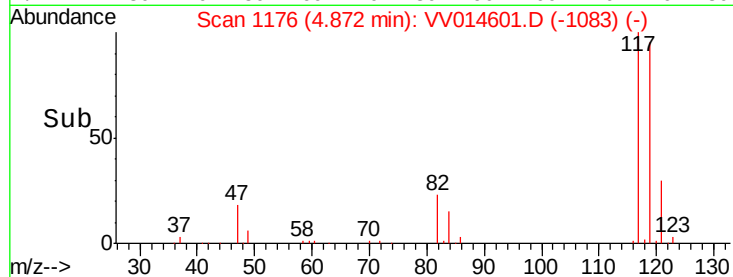
30000

20000

10000

0

Time--> 4.75 4.80 4.85 4.90 4.95



#33

Benzene

Concen: 49.075 ug/L

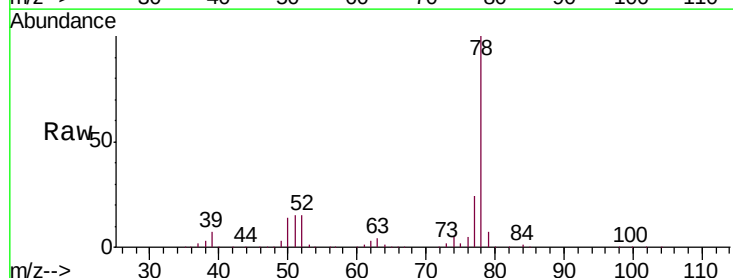
RT: 5.14 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VV014601.D

Acq: 18 Feb 2020 10:13

Tgt Ion: 78 Resp: 344984



Abundance Ion 78.00 (77.70 to 78.70): VV0

5.14

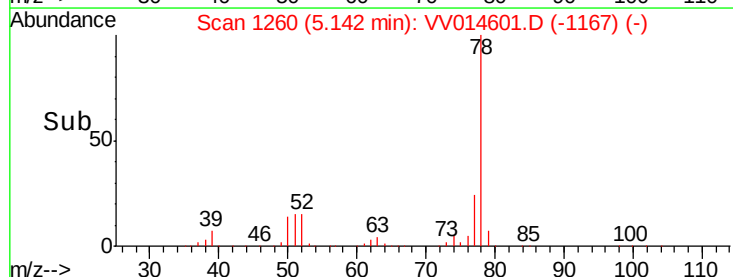
150000

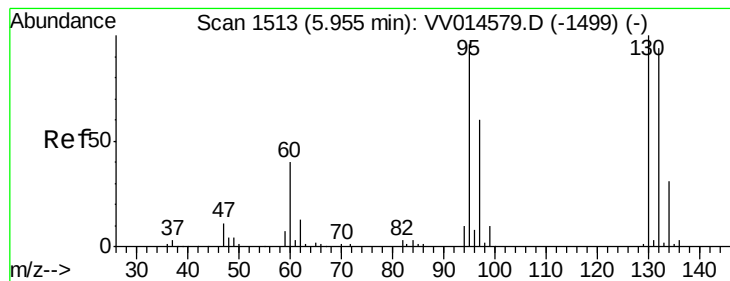
100000

50000

0

Time--> 5.00 5.10 5.20





#34

Trichloroethene

Concen: 49.720 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV014601.D

Acq: 18 Feb 2020 10:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD05068

Tgt Ion: 95 Resp: 94317

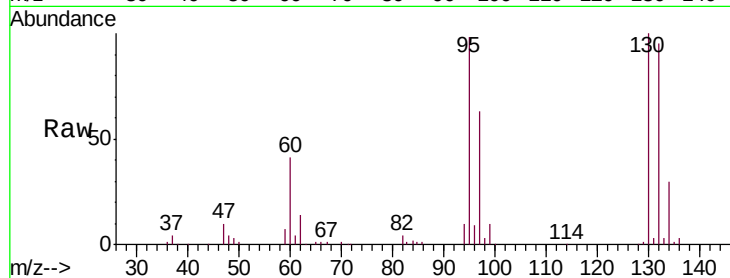
Ion Ratio Lower Upper

95 100

97 64.7 45.3 84.1

132 97.7 69.6 129.2

130 102.5 74.0 137.4

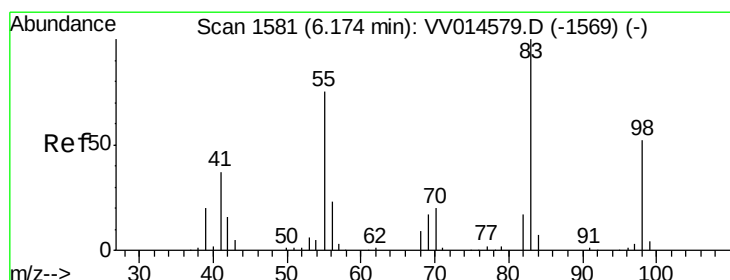
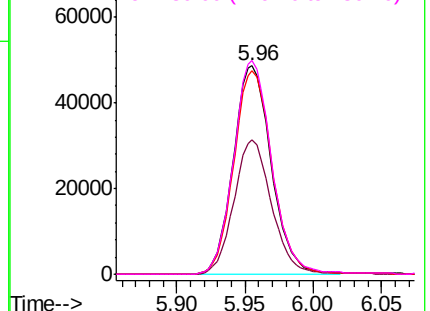
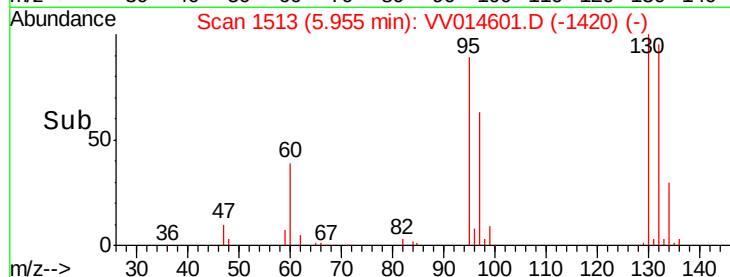


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 48.944 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. -0.00 min

Lab File: VV014601.D

Acq: 18 Feb 2020 10:13

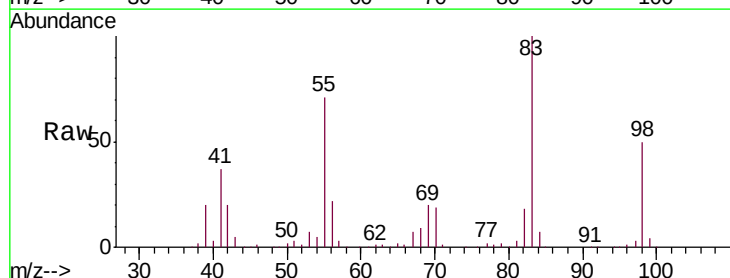
Tgt Ion: 83 Resp: 145368

Ion Ratio Lower Upper

83 100

55 71.5 57.8 86.6

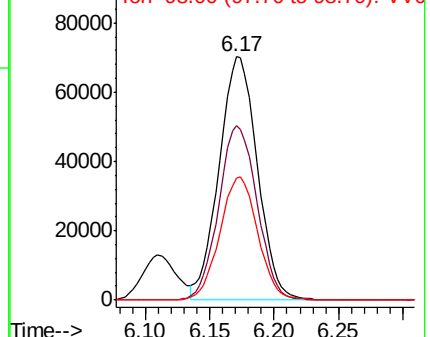
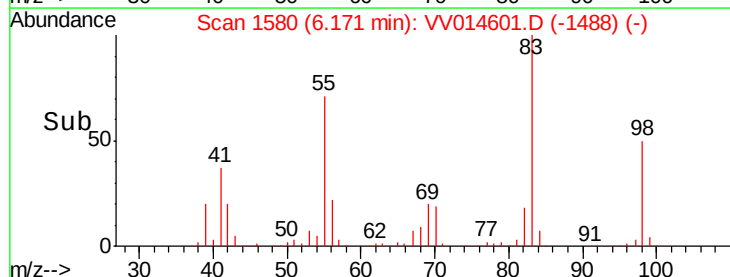
98 50.2 39.7 59.5

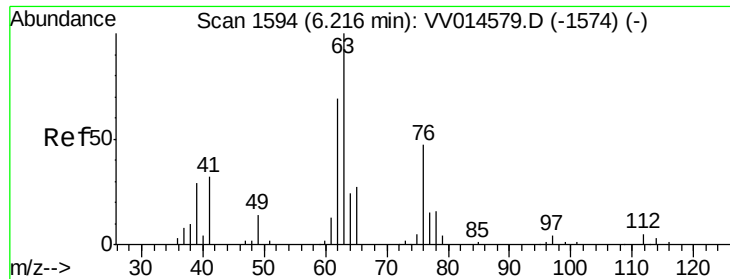


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

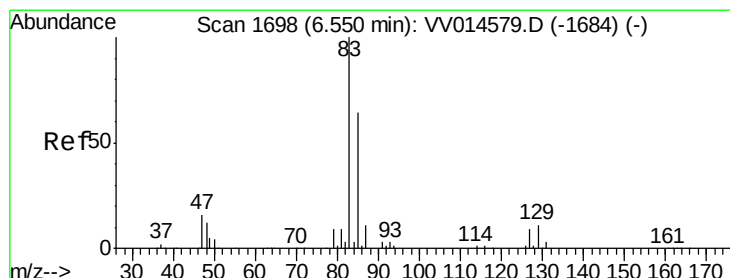
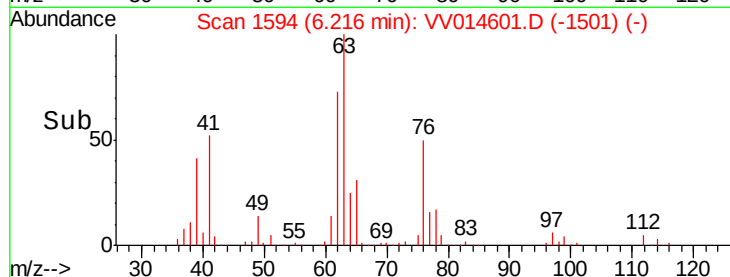
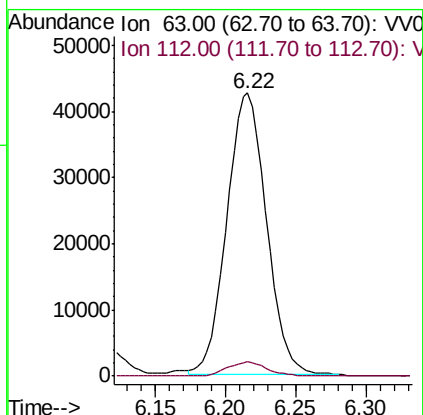
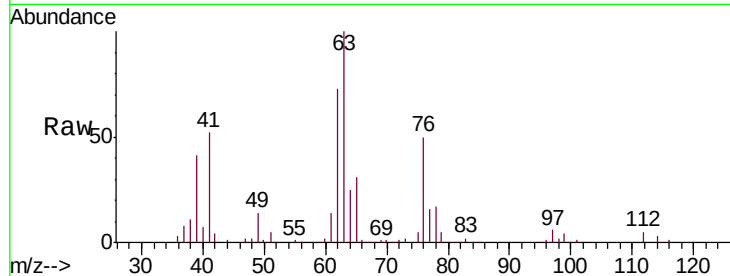




#37
 1,2-Dichloropropane
 Concen: 48.215 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. 0.00 min
 Lab File: VV014601.D
 Acq: 18 Feb 2020 10:13

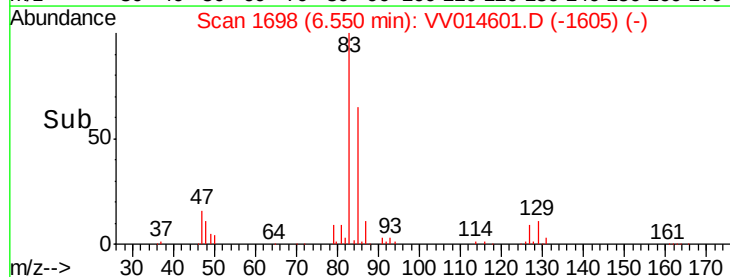
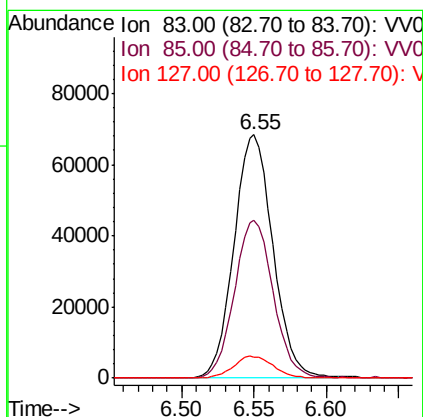
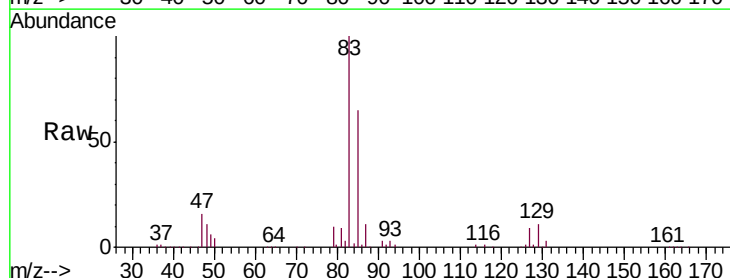
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05068

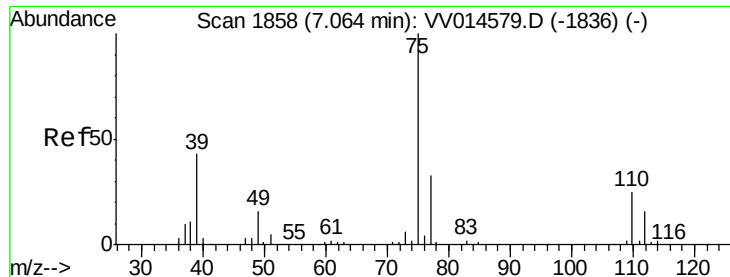
Tgt Ion: 63 Resp: 83691
 Ion Ratio Lower Upper
 63 100
 112 5.2 4.1 6.1



#38
 Bromodichloromethane
 Concen: 50.153 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VV014601.D
 Acq: 18 Feb 2020 10:13

Tgt Ion: 83 Resp: 127653
 Ion Ratio Lower Upper
 83 100
 85 64.7 47.3 87.8
 127 8.8 7.5 11.3

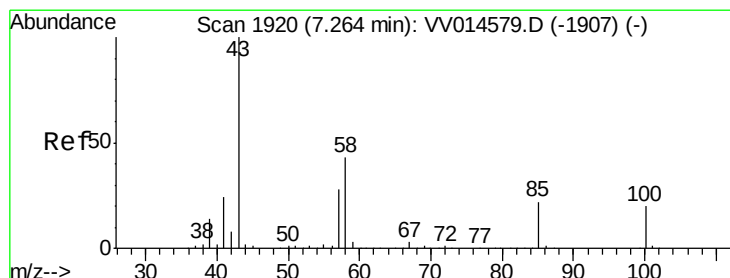
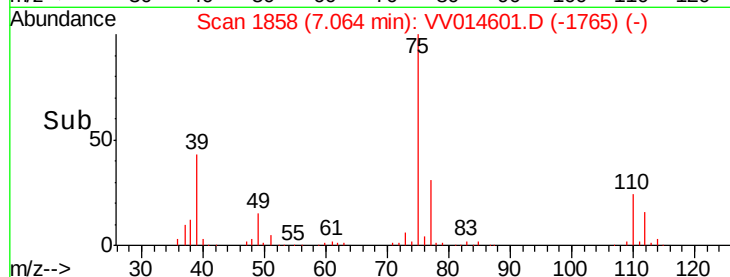
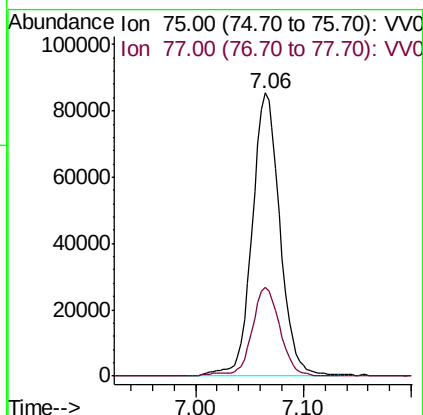
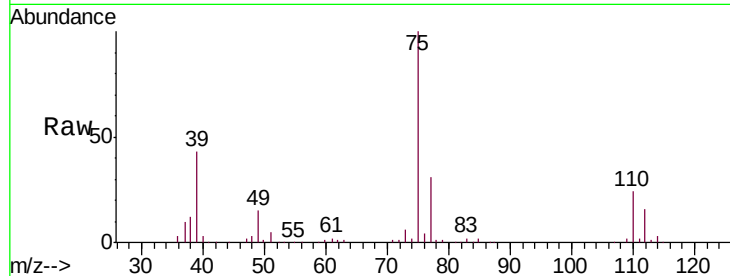




#39
 cis-1,3-Dichloropropene
 Concen: 49.865 ug/L
 RT: 7.06 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VV014601.D
 Acq: 18 Feb 2020 10:13

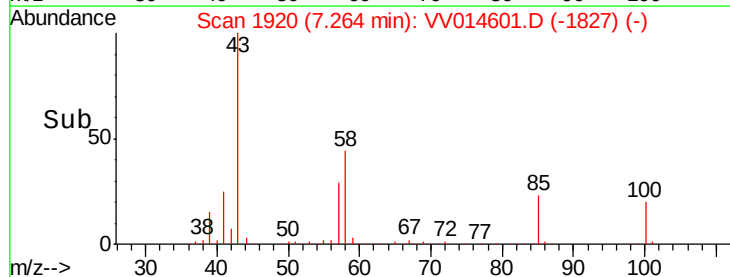
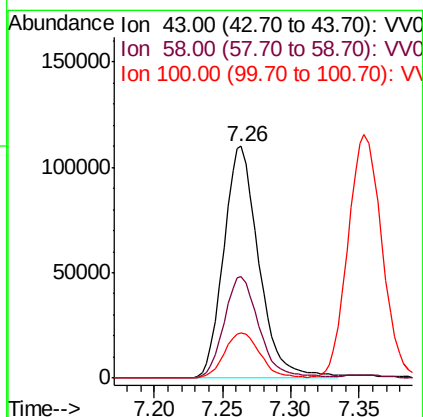
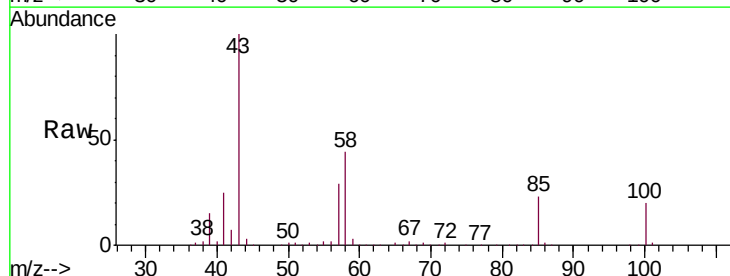
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05068

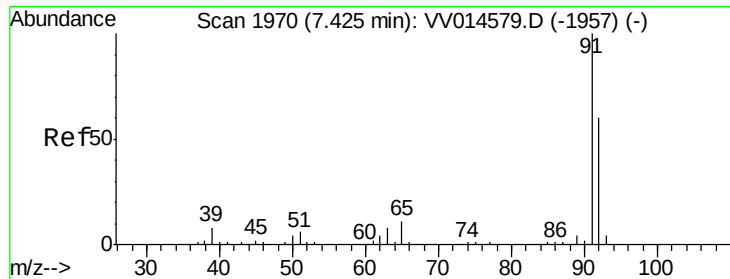
Tgt Ion: 75 Resp: 152803
 Ion Ratio Lower Upper
 75 100
 77 31.3 21.7 40.3



#40
 4-Methyl-2-pentanone
 Concen: 91.881 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VV014601.D
 Acq: 18 Feb 2020 10:13

Tgt Ion: 43 Resp: 197004
 Ion Ratio Lower Upper
 43 100
 58 43.7 35.0 52.6
 100 19.9 15.7 23.5





#42

Toluene

Concen: 49.280 ug/L

RT: 7.42 min Scan# 1970

Delta R.T. 0.00 min

Lab File: VV014601.D

Acq: 18 Feb 2020 10:13

Instrument :

MSVOA_V

ClientSampleId :

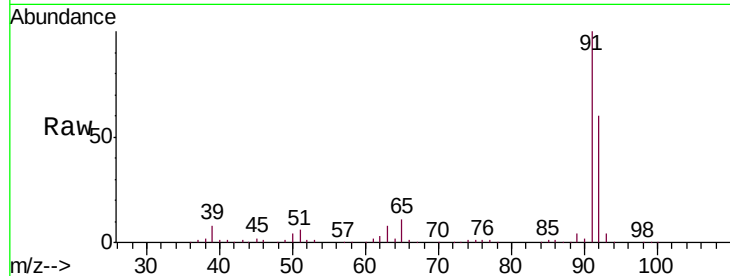
VSTD05068

Tgt Ion: 91 Resp: 377766

Ion Ratio Lower Upper

91 100

92 59.7 40.9 76.0



Abundance Ion 91.00 (90.70 to 91.70): VV014579.D (-1957) (-)

Ion 92.00 (91.70 to 92.70): VV014579.D (-1957) (-)

7.42

250000

200000

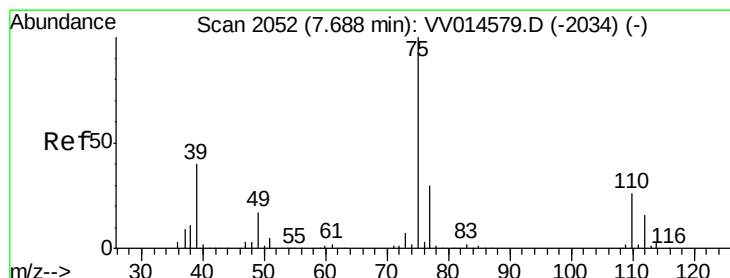
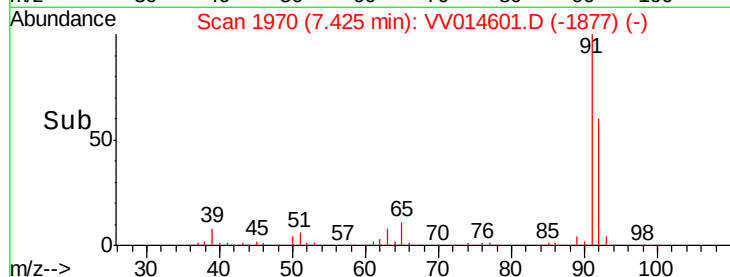
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 49.857 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. 0.00 min

Lab File: VV014601.D

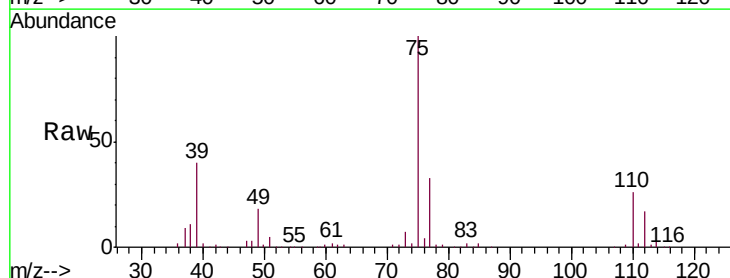
Acq: 18 Feb 2020 10:13

Tgt Ion: 75 Resp: 137975

Ion Ratio Lower Upper

75 100

77 32.8 21.7 40.3



Abundance Ion 75.00 (74.70 to 75.70): VV014579.D (-2034) (-)

Ion 77.00 (76.70 to 77.70): VV014579.D (-2034) (-)

7.69

80000

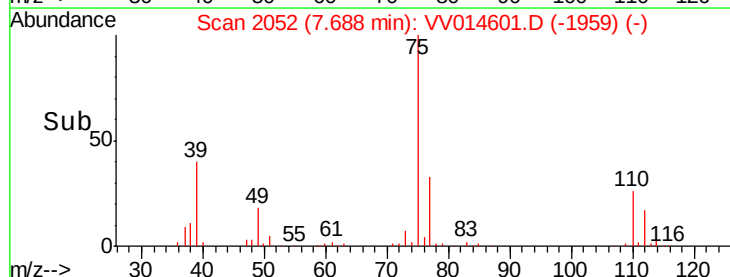
60000

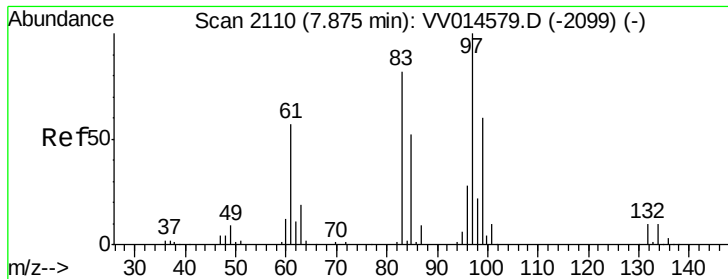
40000

20000

0

Time-->

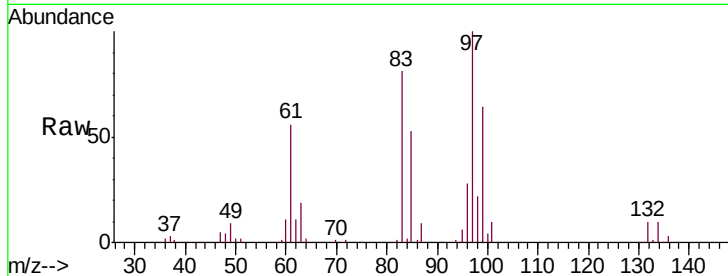




#45
 1,1,2-Trichloroethane
 Concen: 50.220 ug/L
 RT: 7.87 min Scan# 2110
 Delta R.T. 0.00 min
 Lab File: VV014601.D
 Acq: 18 Feb 2020 10:13

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05068

Tgt Ion:	97	Resp:	90045
Ion	Ratio	Lower	Upper
97	100		
99	63.6	44.9	83.3
83	81.5	57.5	106.7
85	52.8	37.5	69.7



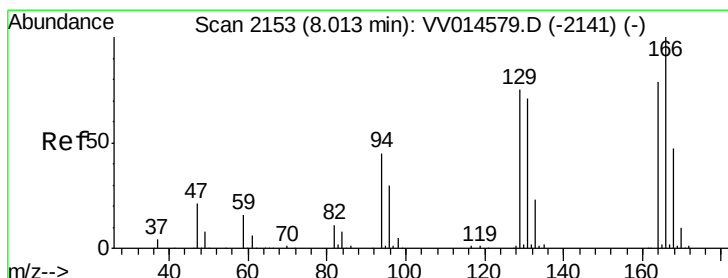
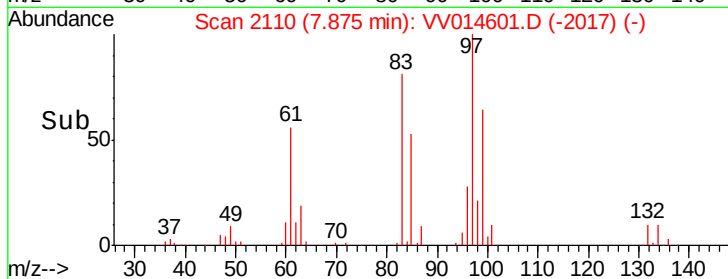
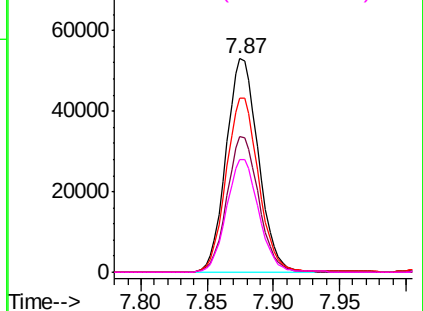
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

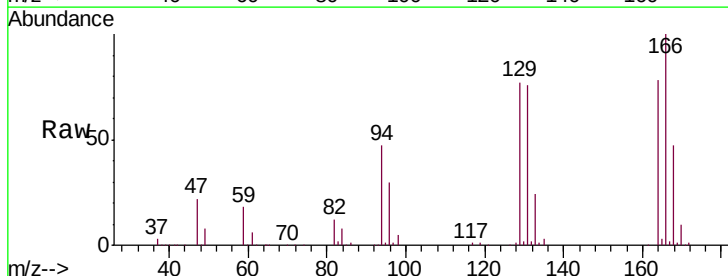
Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46
 Tetrachloroethene
 Concen: 50.358 ug/L
 RT: 8.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VV014601.D
 Acq: 18 Feb 2020 10:13

Tgt Ion:	164	Resp:	75118
Ion	Ratio	Lower	Upper
164	100		
129	98.3	67.8	126.0
131	96.2	64.5	119.9
166	127.4	88.6	164.6



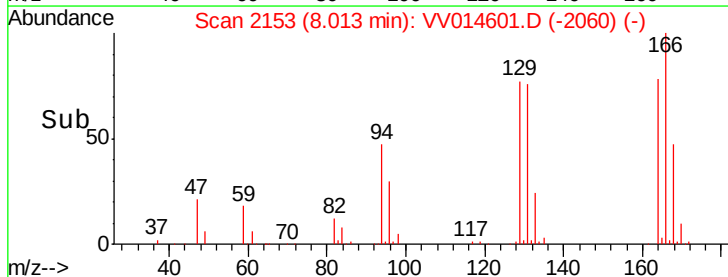
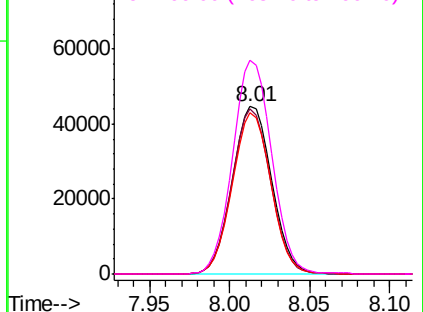
Abundance

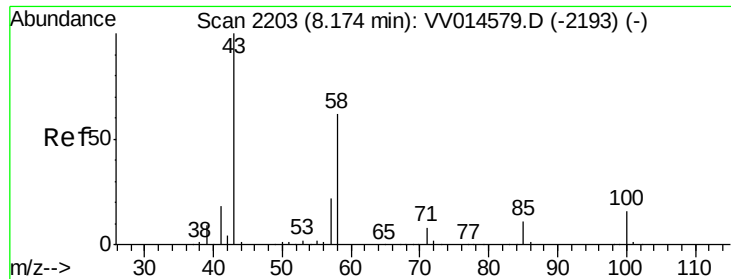
Ion 164.00 (163.70 to 164.70): V

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

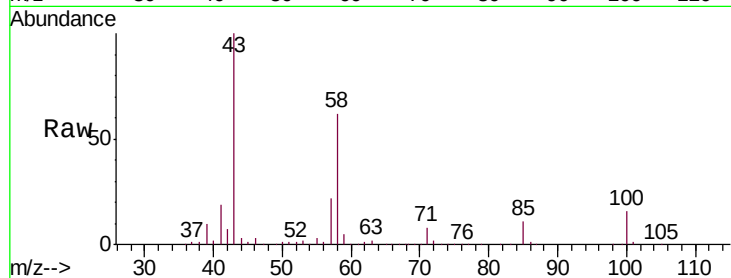




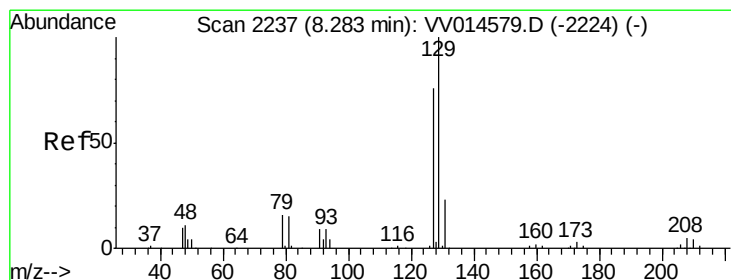
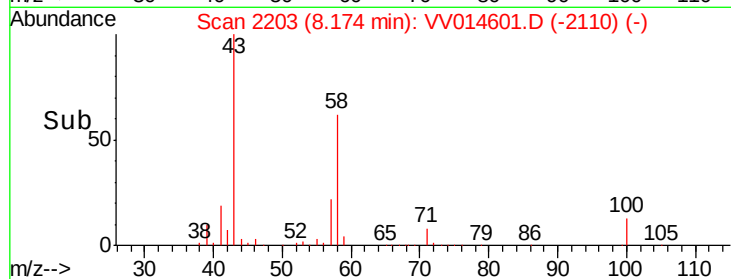
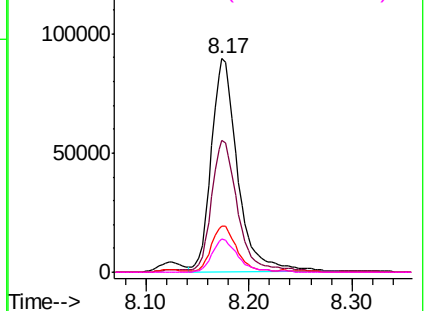
#48
2-Hexanone
Concen: 94.251 ug/L
RT: 8.17 min Scan# 2203
Delta R.T. 0.00 min
Lab File: VV014601.D
Acq: 18 Feb 2020 10:13

Instrument :
MSVOA_V
ClientSampleId :
VSTD05068

Tgt Ion: 43 Resp: 157556
Ion Ratio Lower Upper
43 100
58 61.6 50.4 75.6
57 20.8 17.8 26.6
100 15.8 12.6 19.0

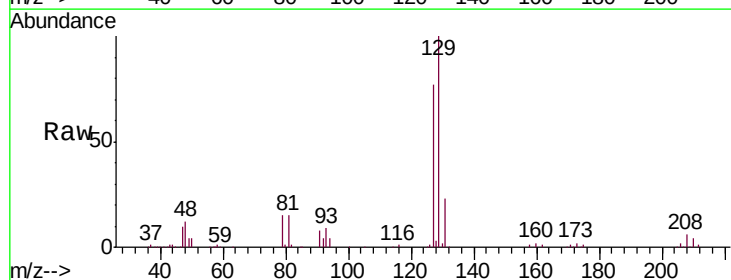


Abundance Ion 43.00 (42.70 to 43.70): VV014601.D (-2110) (-)
Ion 58.00 (57.70 to 58.70): VV014601.D (-2110) (-)
Ion 57.00 (56.70 to 57.70): VV014601.D (-2110) (-)
Ion 100.00 (99.70 to 100.70): VV014601.D (-2110) (-)

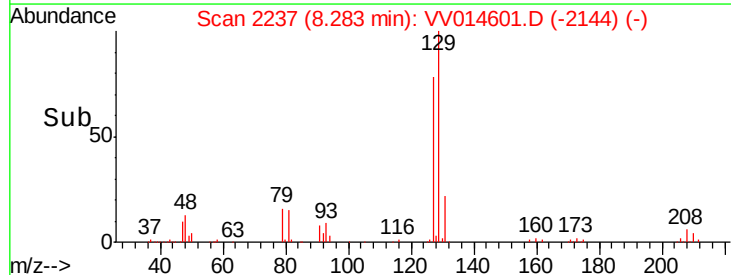
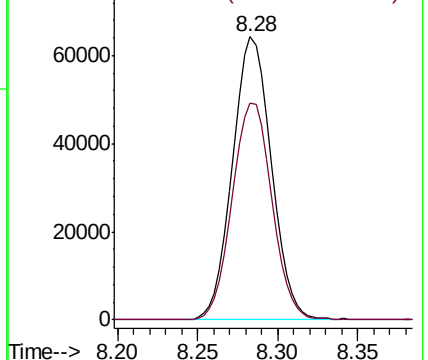


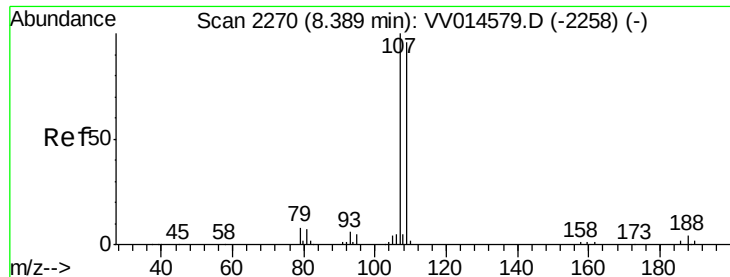
#49
Dibromochloromethane
Concen: 49.847 ug/L
RT: 8.28 min Scan# 2237
Delta R.T. 0.00 min
Lab File: VV014601.D
Acq: 18 Feb 2020 10:13

Tgt Ion: 129 Resp: 106521
Ion Ratio Lower Upper
129 100
127 76.8 54.3 100.8



Abundance Ion 129.00 (128.70 to 129.70): VV014601.D (-2144) (-)
Ion 127.00 (126.70 to 127.70): VV014601.D (-2144) (-)

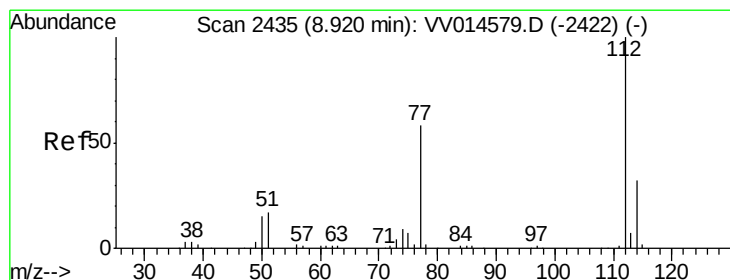
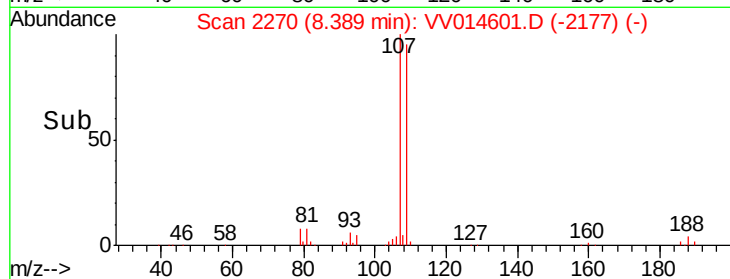
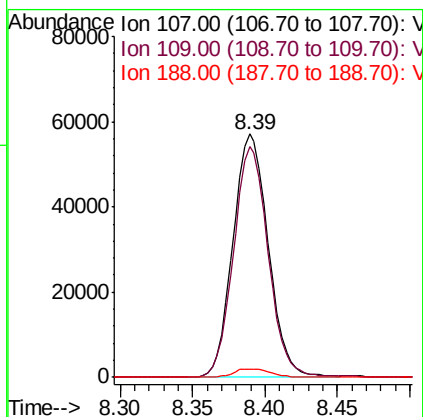
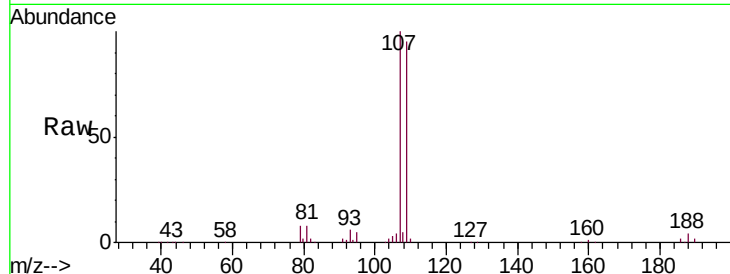




#50
1,2-Dibromoethane
Concen: 49.848 ug/L
RT: 8.39 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VV014601.D
Acq: 18 Feb 2020 10:13

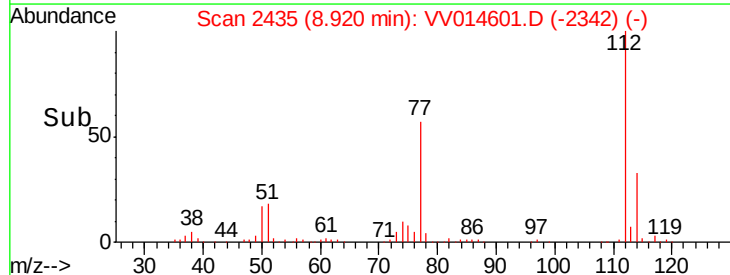
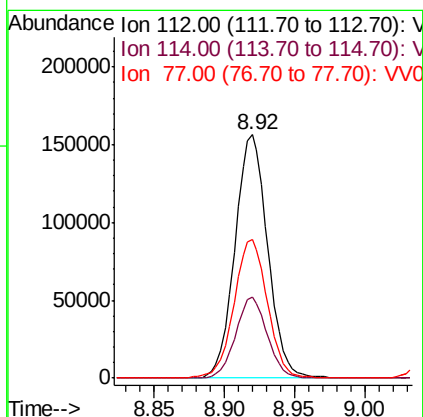
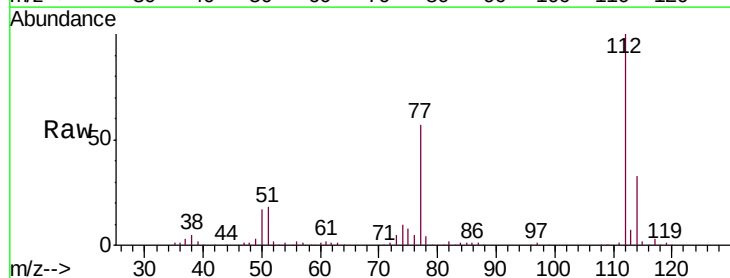
Instrument :
MSVOA_V
ClientSampleId :
VSTD05068

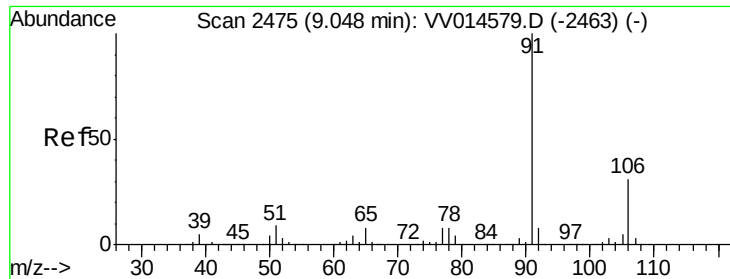
Tgt Ion:107 Resp: 96708
Ion Ratio Lower Upper
107 100
109 94.7 66.1 122.8
188 3.6 3.0 4.6



#51
Chlorobenzene
Concen: 49.519 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. 0.00 min
Lab File: VV014601.D
Acq: 18 Feb 2020 10:13

Tgt Ion:112 Resp: 253783
Ion Ratio Lower Upper
112 100
114 33.1 22.3 41.3
77 57.0 45.3 67.9





#52

Ethylbenzene

Concen: 50.290 ug/L

RT: 9.05 min Scan# 2475

Delta R.T. 0.00 min

Lab File: VV014601.D

Acq: 18 Feb 2020 10:13

Instrument :

MSVOA_V

ClientSampleId :

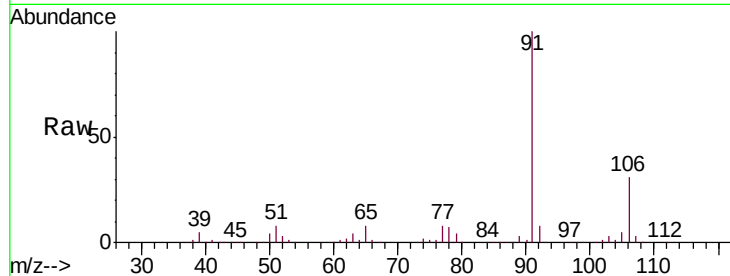
VSTD05068

Tgt Ion: 91 Resp: 437297

Ion Ratio Lower Upper

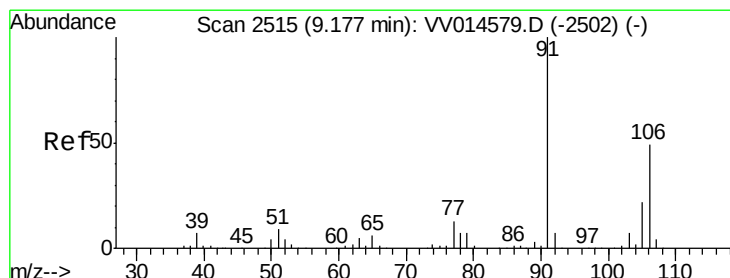
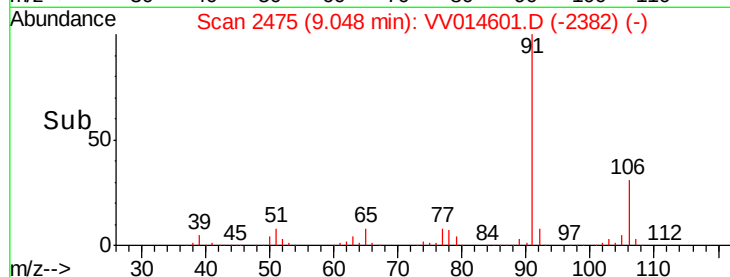
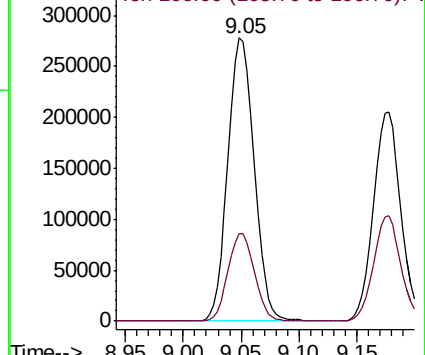
91 100

106 30.7 22.3 41.5



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V



#53

m,p-Xylene

Concen: 49.623 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV014601.D

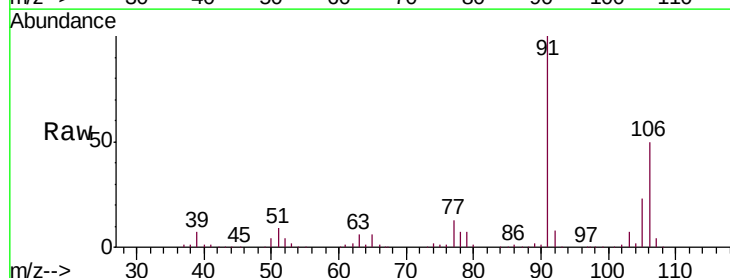
Acq: 18 Feb 2020 10:13

Tgt Ion: 106 Resp: 168462

Ion Ratio Lower Upper

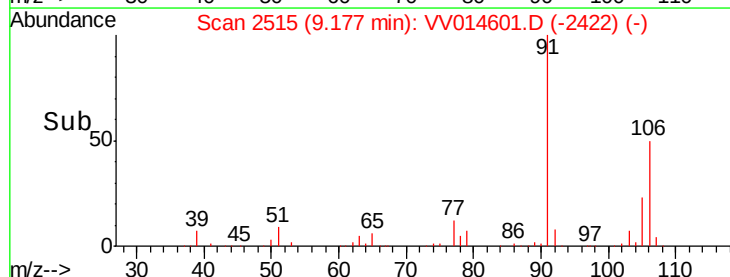
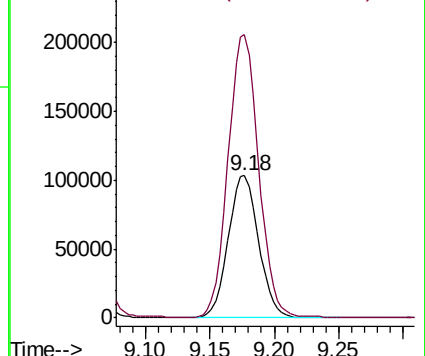
106 100

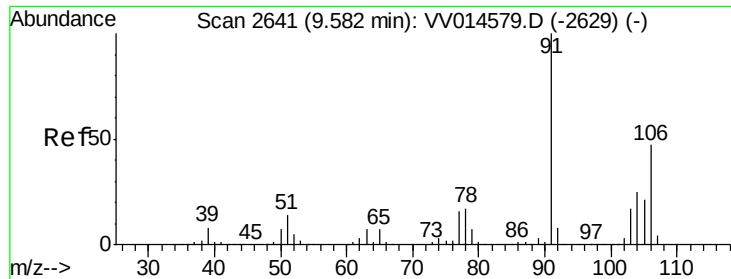
91 199.3 142.4 264.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0

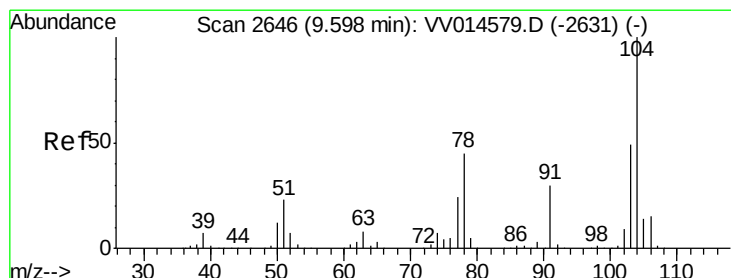
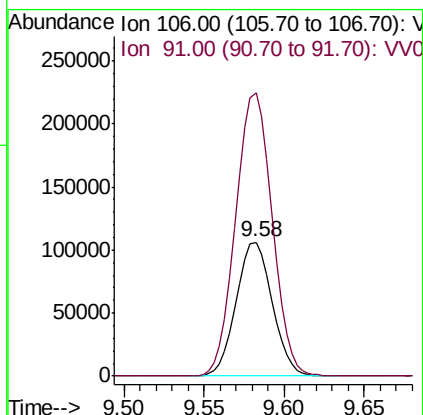
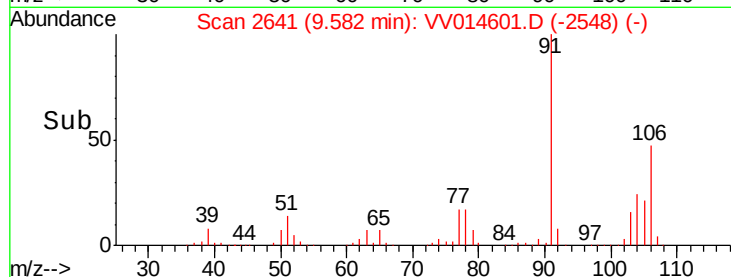
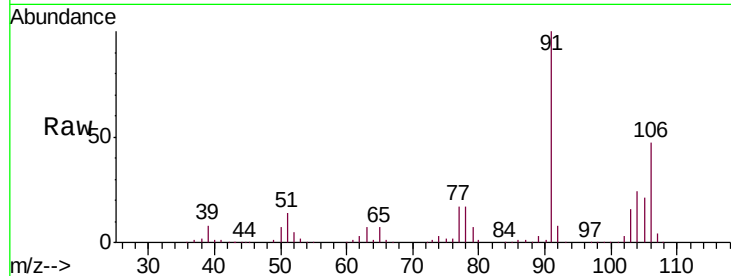




#54
o-xylene
Concen: 50.315 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV014601.D
Acq: 18 Feb 2020 10:13

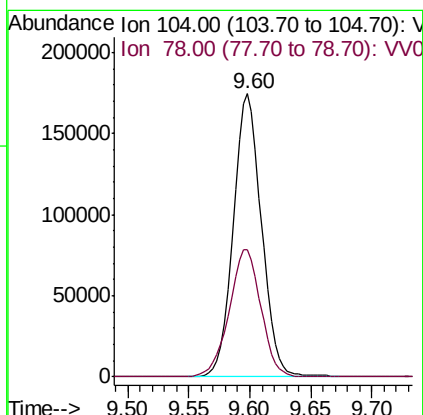
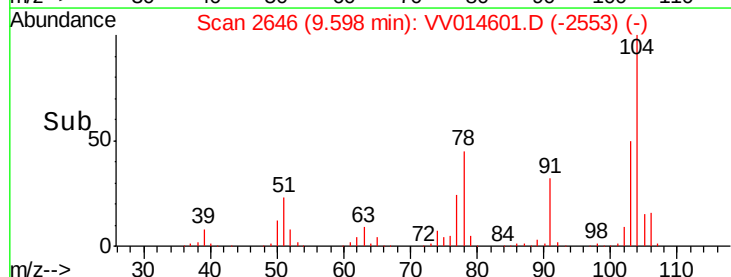
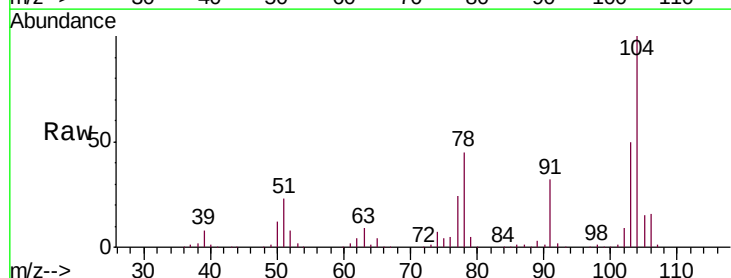
Instrument :
MSVOA_V
ClientSampleId :
VSTD05068

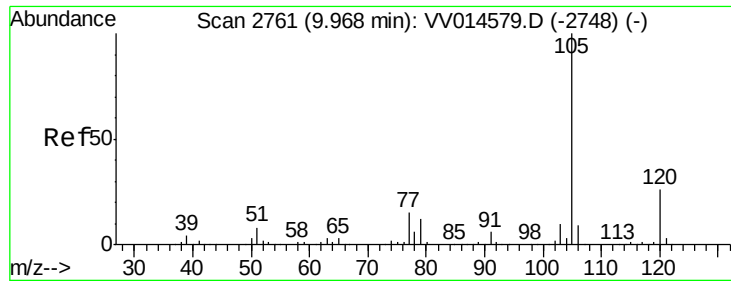
Tgt Ion:106 Resp: 163264
Ion Ratio Lower Upper
106 100
91 211.1 150.5 279.5



#55
Styrene
Concen: 50.252 ug/L
RT: 9.60 min Scan# 2646
Delta R.T. 0.00 min
Lab File: VV014601.D
Acq: 18 Feb 2020 10:13

Tgt Ion:104 Resp: 280182
Ion Ratio Lower Upper
104 100
78 44.8 31.9 59.2





#56

Isopropylbenzene

Concen: 50.139 ug/L

RT: 9.97 min Scan# 2761

Delta R.T. 0.00 min

Lab File: VV014601.D

Acq: 18 Feb 2020 10:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD05068

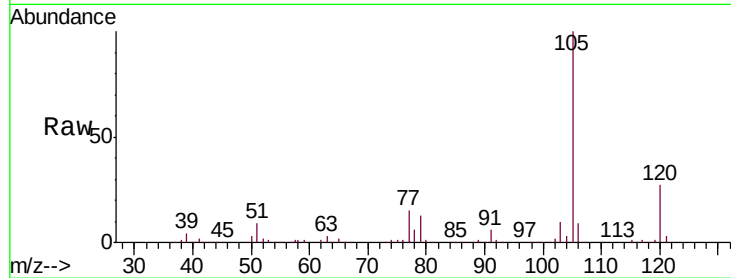
Tgt Ion: 105 Resp: 432751

Ion Ratio Lower Upper

105 100

120 26.9 21.5 32.3

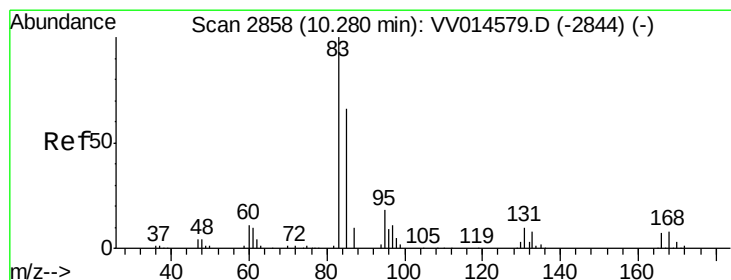
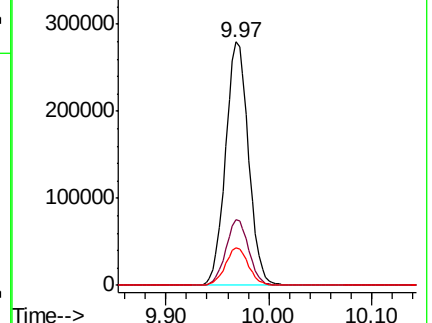
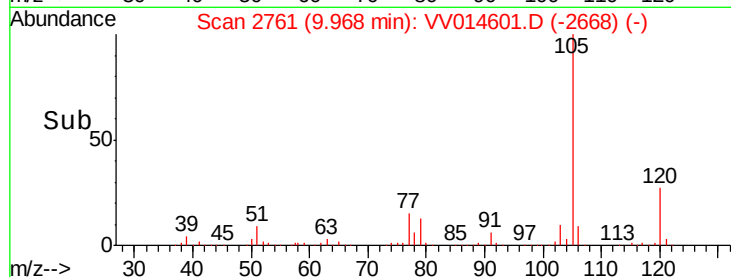
77 15.5 12.2 18.2



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: 48.947 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV014601.D

Acq: 18 Feb 2020 10:13

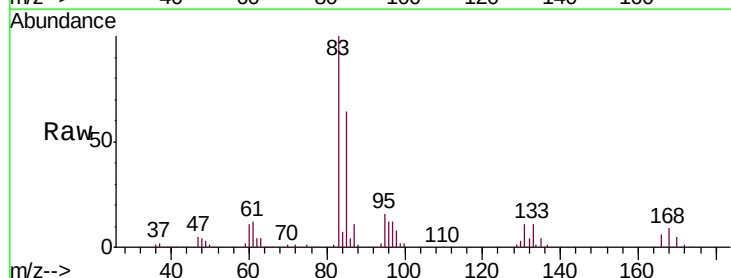
Tgt Ion: 83 Resp: 138651

Ion Ratio Lower Upper

83 100

85 64.2 45.7 84.9

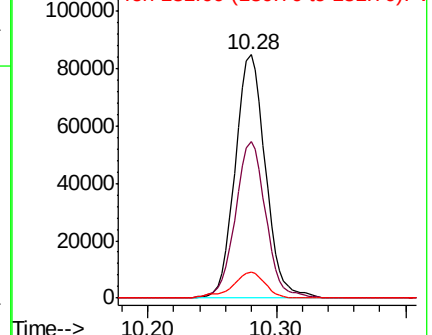
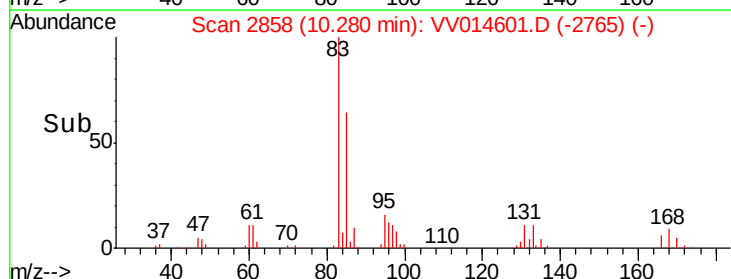
131 10.6 8.2 12.4

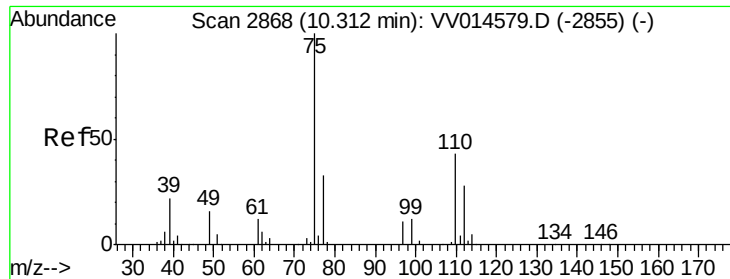


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 48.087 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. 0.00 min

Lab File: VV014601.D

Acq: 18 Feb 2020 10:13

Instrument :

MSVOA_V

ClientSampleId :

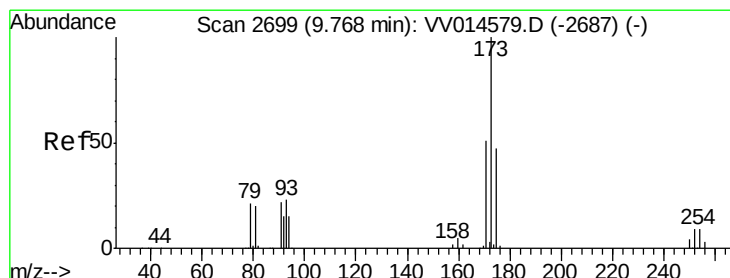
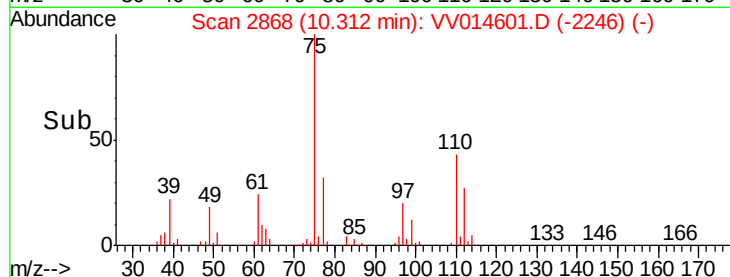
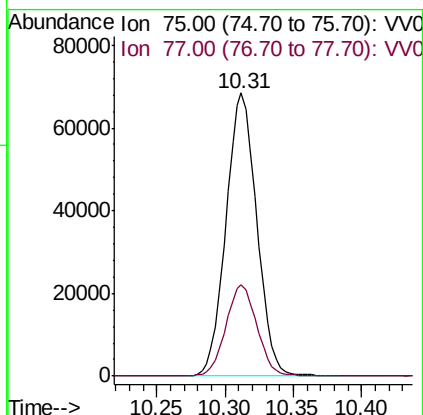
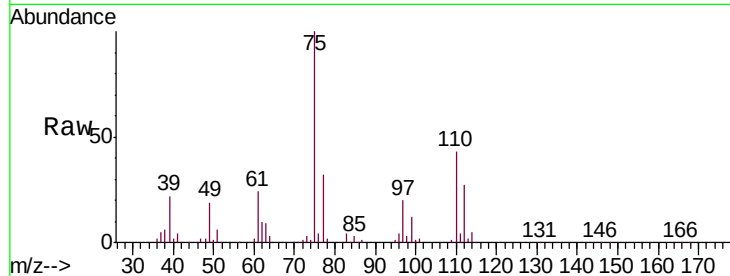
VSTD05068

Tgt Ion: 75 Resp: 107417

Ion Ratio Lower Upper

75 100

77 32.5 25.9 38.9



#61

Bromoform

Concen: 50.352 ug/L

RT: 9.77 min Scan# 2699

Delta R.T. 0.00 min

Lab File: VV014601.D

Acq: 18 Feb 2020 10:13

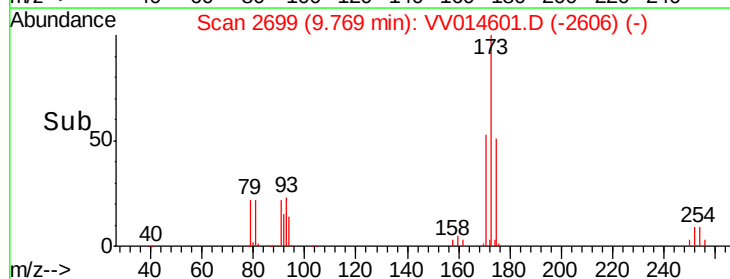
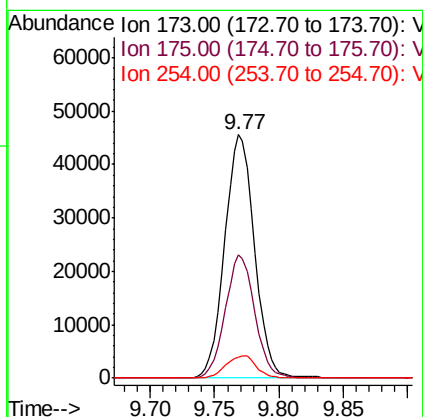
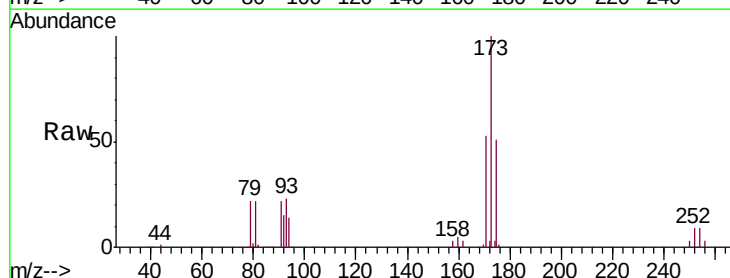
Tgt Ion: 173 Resp: 73187

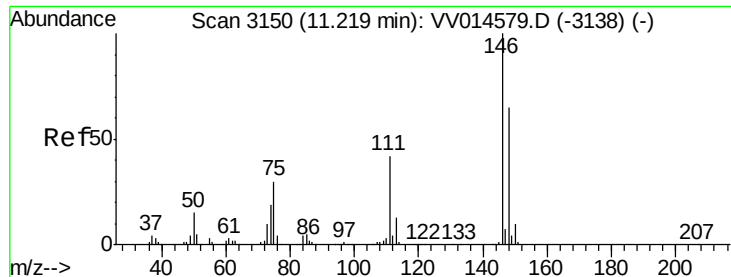
Ion Ratio Lower Upper

173 100

175 49.8 39.3 58.9

254 9.3 7.1 10.7

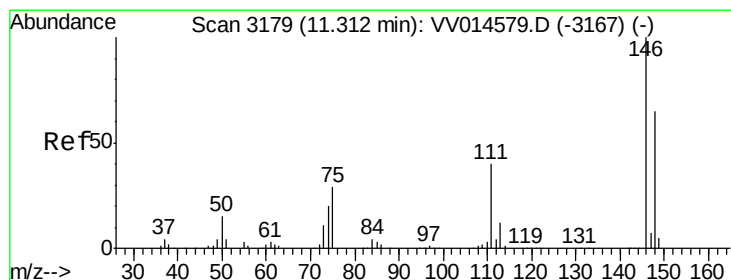
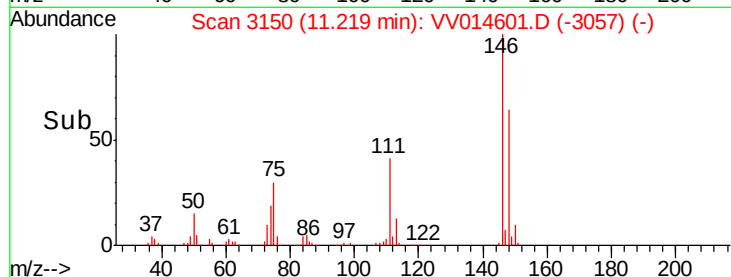
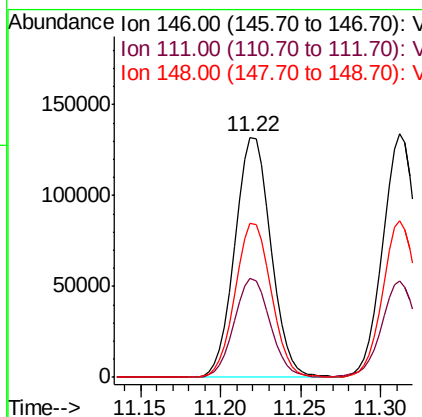
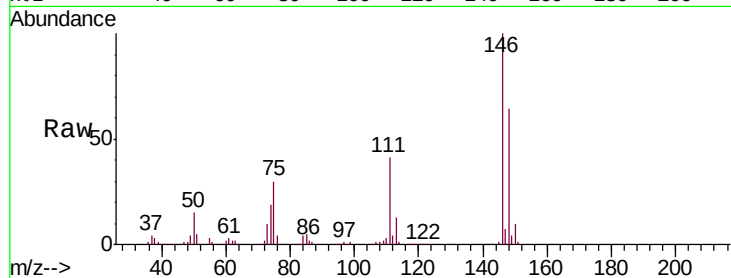




#62
 1,3-Dichlorobenzene
 Concen: 49.955 ug/L
 RT: 11.22 min Scan# 3150
 Delta R.T. 0.00 min
 Lab File: VV014601.D
 Acq: 18 Feb 2020 10:13

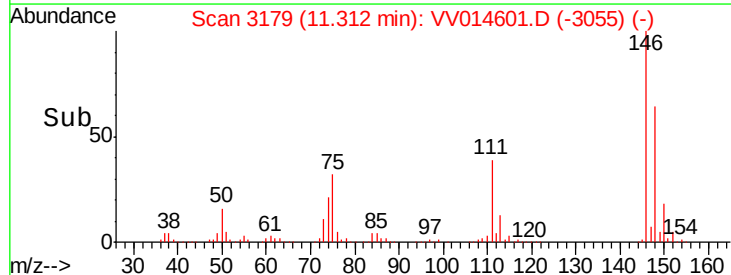
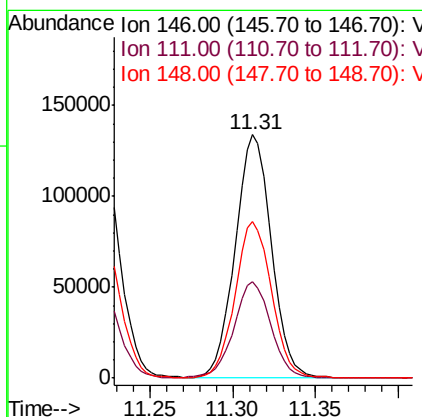
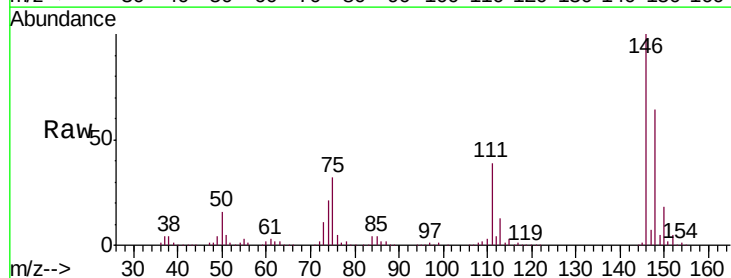
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05068

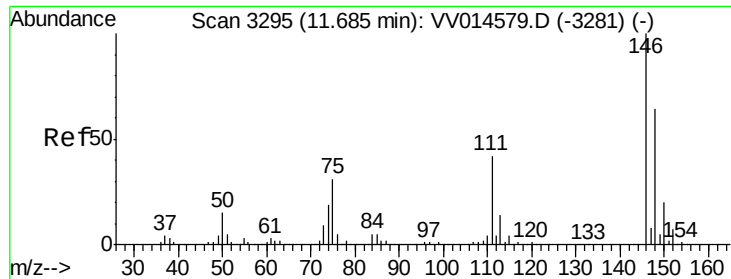
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	29.4	54.6
148	63.9	43.6	81.0



#63
 1,4-Dichlorobenzene
 Concen: 48.922 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. 0.00 min
 Lab File: VV014601.D
 Acq: 18 Feb 2020 10:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	27.7	51.5
148	64.4	44.1	81.9

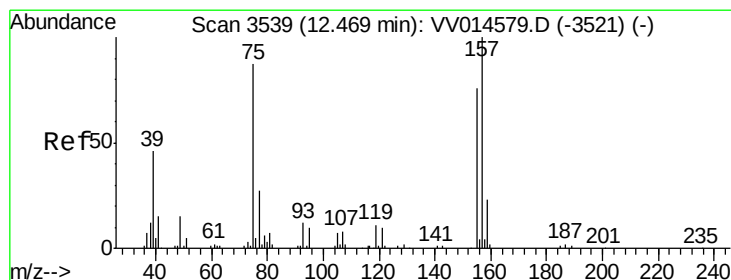
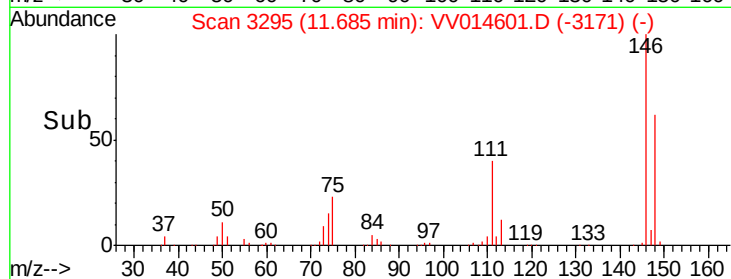
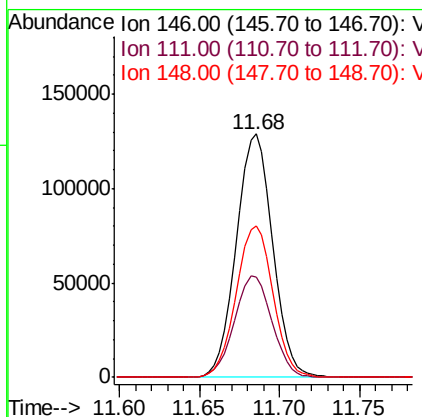
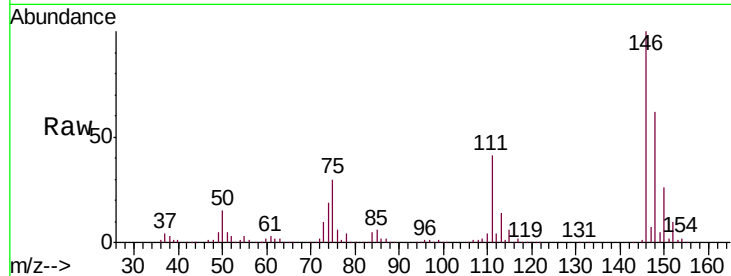




#65
 1,2-Dichlorobenzene
 Concen: 50.028 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV014601.D
 Acq: 18 Feb 2020 10:13

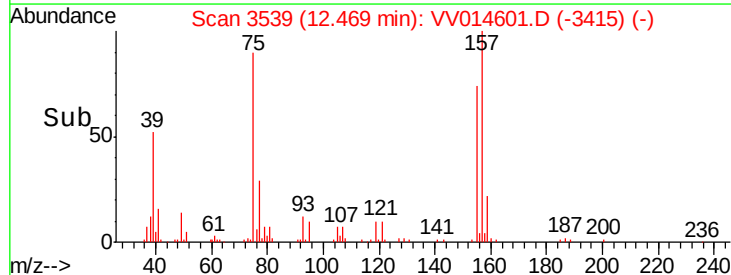
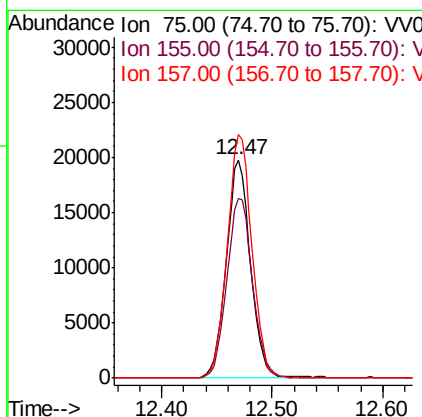
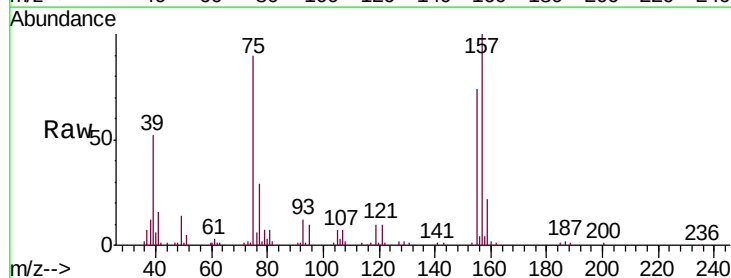
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05068

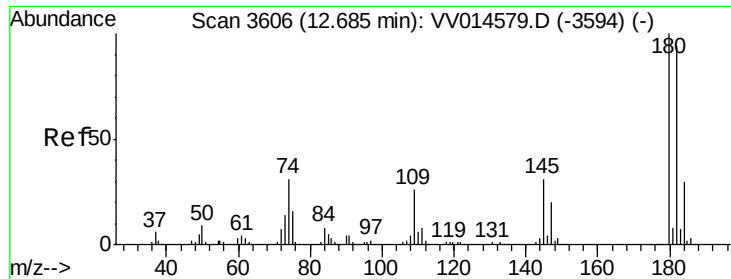
Tgt Ion: 146 Resp: 199589
 Ion Ratio Lower Upper
 146 100
 111 41.3 34.6 52.0
 148 62.4 51.4 77.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 46.294 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VV014601.D
 Acq: 18 Feb 2020 10:13

Tgt Ion: 75 Resp: 30087
 Ion Ratio Lower Upper
 75 100
 155 82.3 72.9 109.3
 157 111.4 93.0 139.4





#67

1,3,5-Trichlorobenzene

Concen: 49.458 ug/L

RT: 12.68 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VV014601.D

Acq: 18 Feb 2020 10:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD05068

Tgt Ion:180 Resp: 144454

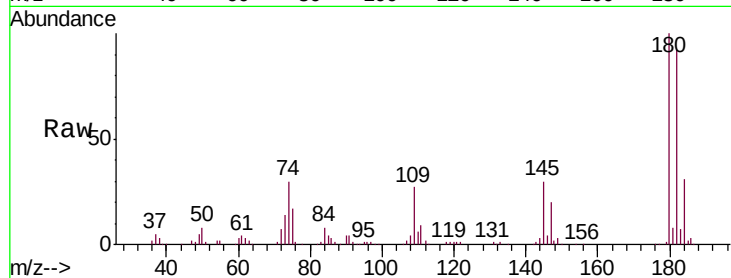
Ion Ratio Lower Upper

180 100

182 93.6 77.2 115.8

184 30.2 24.5 36.7

145 31.1 25.3 37.9

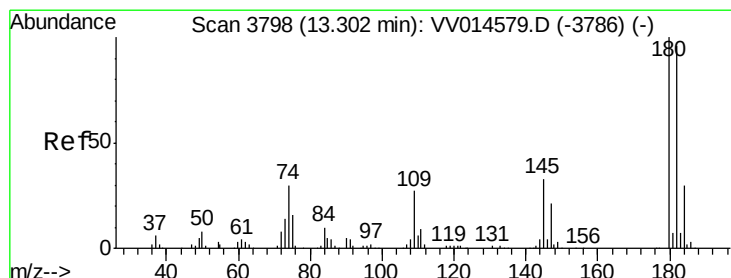
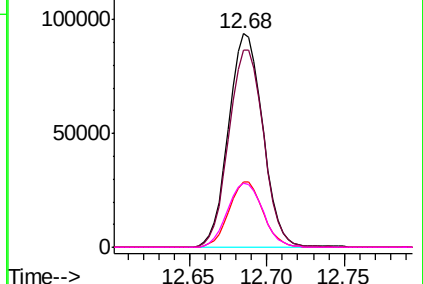
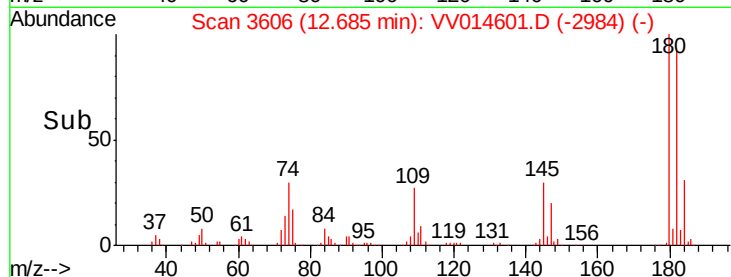


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68

1,2,4-trichlorobenzene

Concen: 48.330 ug/L

RT: 13.30 min Scan# 3798

Delta R.T. 0.00 min

Lab File: VV014601.D

Acq: 18 Feb 2020 10:13

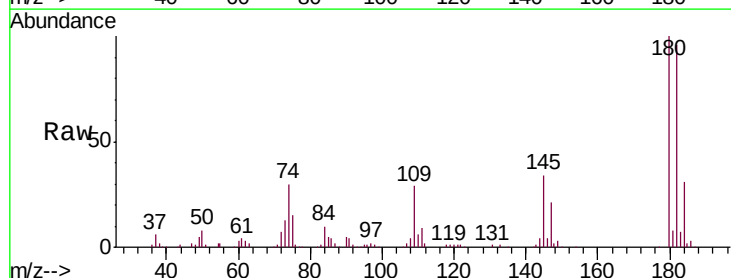
Tgt Ion:180 Resp: 130721

Ion Ratio Lower Upper

180 100

182 96.8 76.2 114.2

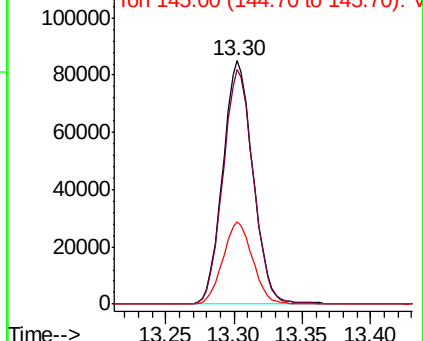
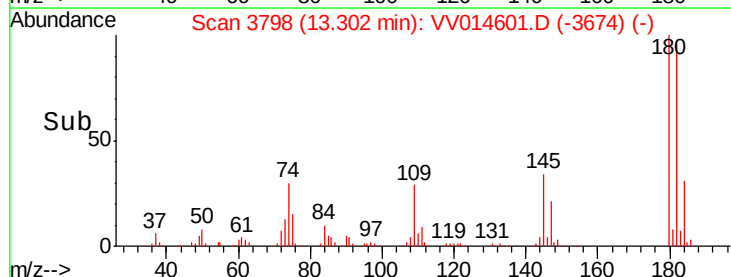
145 33.3 25.8 38.6

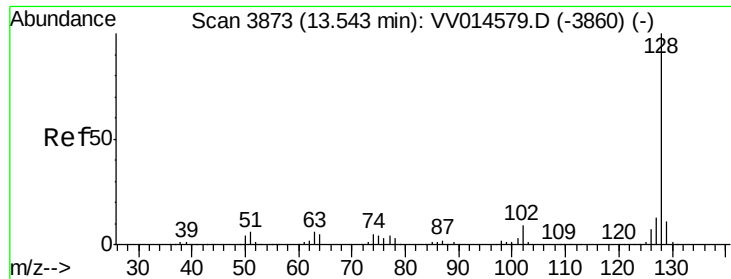


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

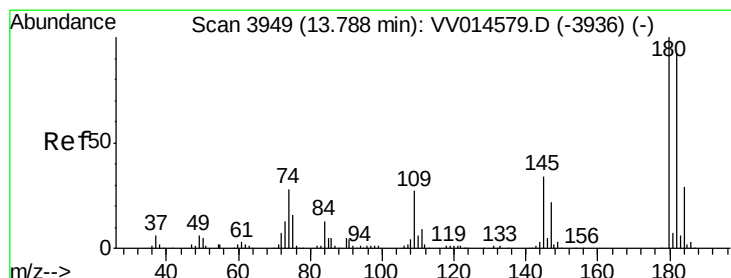
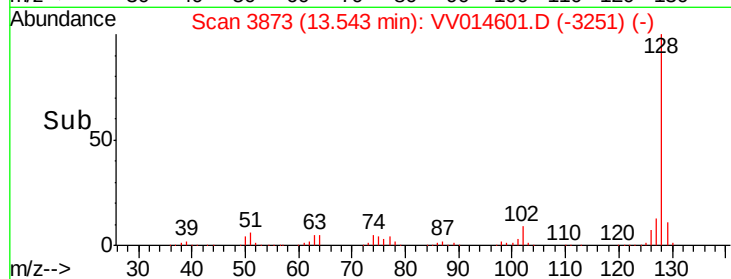
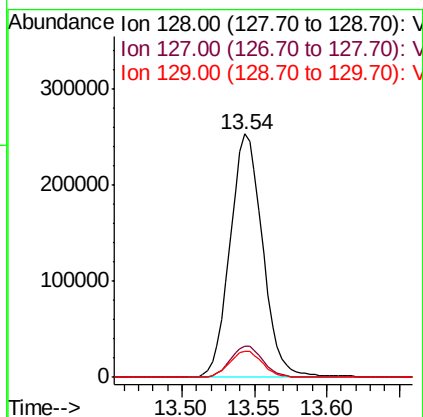
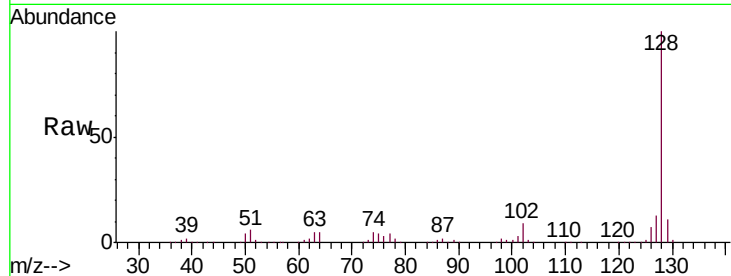




#69
Naphthalene
Concen: 46.136 ug/L
RT: 13.54 min Scan# 3873
Delta R.T. 0.00 min
Lab File: VV014601.D
Acq: 18 Feb 2020 10:13

Instrument :
MSVOA_V
ClientSampleId :
VSTD05068

Tgt Ion:128 Resp: 395690
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.4
129 10.9 8.6 13.0



#70
1,2,3-Trichlorobenzene
Concen: 48.267 ug/L
RT: 13.78 min Scan# 3948
Delta R.T. -0.00 min
Lab File: VV014601.D
Acq: 18 Feb 2020 10:13

Tgt Ion:180 Resp: 125853
Ion Ratio Lower Upper
180 100
182 96.2 75.2 112.8
145 35.0 27.1 40.7

