

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082319\
 Data File : VV012362.D
 Acq On : 23 Aug 2019 13:40
 Operator : SY/MD
 Sample : VSTD01036
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01036

Quant Time: Aug 24 00:34:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Aug 24 00:30:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	305636	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	289891	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	147443	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	133254	7.25	ug/L	0.00
7) Chloroethane-d5	1.58	69	94476	6.80	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	233231	7.64	ug/L	0.00
20) 2-Butanone-d5	3.96	46	380659	93.50	ug/L	0.00
24) Chloroform-d	4.40	84	306491	8.29	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	142804	8.17	ug/L	0.00
32) Benzene-d6	5.09	84	628561	8.58	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	184812	8.52	ug/L	0.00
41) Toluene-d8	7.36	98	577207	8.66	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	71938	8.69	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	265130	101.97	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	125948	8.47	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	202849	8.17	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	232448	8.161 ug/L	100
3) Chloromethane	1.25	50	176756	7.025 ug/L	99
5) Vinyl chloride	1.32	62	172024	6.712 ug/L	98
6) Bromomethane	1.54	94	78088	5.575 ug/L	94
8) Chloroethane	1.60	64	85570	5.946 ug/L	99
9) Trichlorofluoromethane	1.77	101	235665	7.211 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	119991	7.216 ug/L	96
12) 1,1-Dichloroethene	2.14	96	111164	7.137 ug/L	99
13) Acetone	2.22	43	166415	68.590 ug/L	97
14) Carbon disulfide	2.32	76	342537	7.480 ug/L	100
15) Methyl Acetate	2.47	43	39840	6.566 ug/L	97
16) Methylene chloride	2.53	84	111559	6.665 ug/L	99
17) Methyl tert-butyl Ether	2.81	73	346990	8.040 ug/L	100
18) trans-1,2-Dichloroethene	2.78	96	164218	7.830 ug/L	98
19) 1,1-Dichloroethane	3.23	63	311691	8.145 ug/L	97
21) 2-Butanone	4.04	43	410775	83.072 ug/L	100
22) cis-1,2-Dichloroethene	3.96	96	174929	7.693 ug/L	# 99
23) Bromochloromethane	4.30	128	74765	7.744 ug/L	98
25) Chloroform	4.42	83	310660	7.191 ug/L	99
27) 1,2-Dichloroethane	5.18	62	182067	7.761 ug/L	98
29) 1,1,1-Trichloroethane	4.65	97	262164	7.699 ug/L	99
30) Cyclohexane	4.72	56	284734	8.365 ug/L	99
31) Carbon tetrachloride	4.87	117	235609	7.680 ug/L	99
33) Benzene	5.14	78	692905	8.204 ug/L	100
34) Trichloroethene	5.96	95	176337	7.700 ug/L	98
35) Methylcyclohexane	6.17	83	293942	8.344 ug/L	98
37) 1,2-Dichloropropane	6.22	63	173826	8.227 ug/L	98
38) Bromodichloromethane	6.55	83	213267	7.876 ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	245570	8.603 ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	1009973	87.783 ug/L	99

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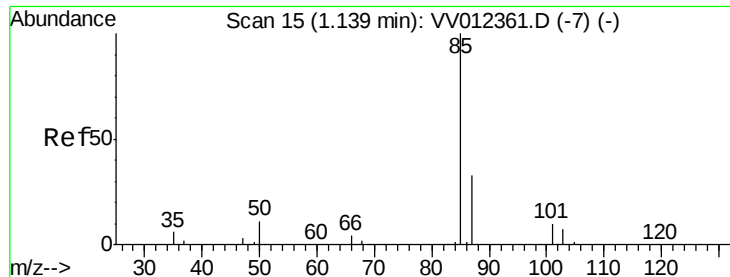
Instrument :
 MSVOA_V
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082319WMA.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.43	91	726641	8.150	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	186707	8.206	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	115132	8.237	ug/L	98
47) Tetrachloroethene	8.02	164	145482	7.770	ug/L	96
48) 2-Hexanone	8.19	43	724317	89.297	ug/L	97
49) Dibromochloromethane	8.29	129	139061	8.037	ug/L	99
50) 1,2-Dibromoethane	8.40	107	107524	7.986	ug/L	99
51) Chlorobenzene	8.92	112	453104	7.859	ug/L	99
52) Ethylbenzene	9.05	91	796014	8.373	ug/L	100
53) m,p-xylene	9.18	106	302248	8.332	ug/L	100
54) o-xylene	9.59	106	287203	8.350	ug/L	99
55) Styrene	9.60	104	495256	8.618	ug/L	97
56) Isopropylbenzene	9.97	105	773370	8.377	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	127017	7.931	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	93185	7.873	ug/L	100
61) Bromoform	9.78	173	76285	8.387	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	362406	7.735	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	357060	7.644	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	332604	7.731	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	19619	7.203	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	282304	7.946	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	216887	8.288	ug/L	100
69) Naphthalene	13.55	128	319573	8.641	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	203393	8.268	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 8.161 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012362.D

Acq: 23 Aug 2019 13:40

Instrument :

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ClientSampleId :

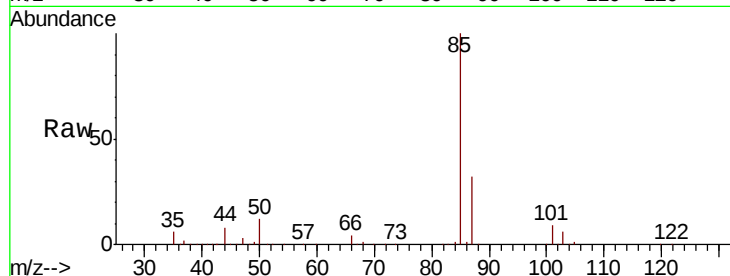
VSTD01036

Tgt Ion: 85 Resp: 232448

Ion Ratio Lower Upper

85 100

87 32.3 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

250000

200000

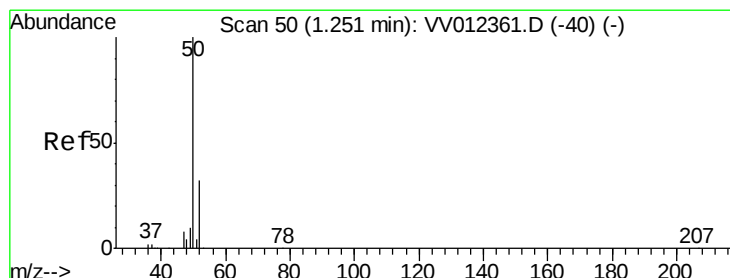
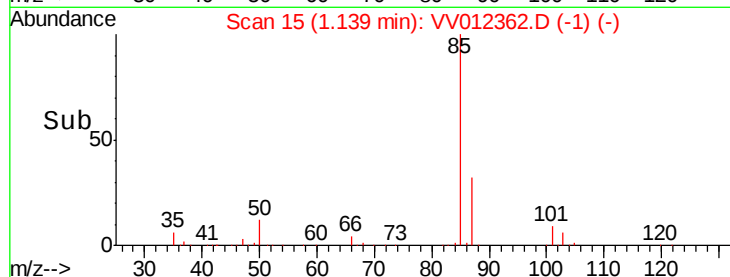
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 7.025 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV012362.D

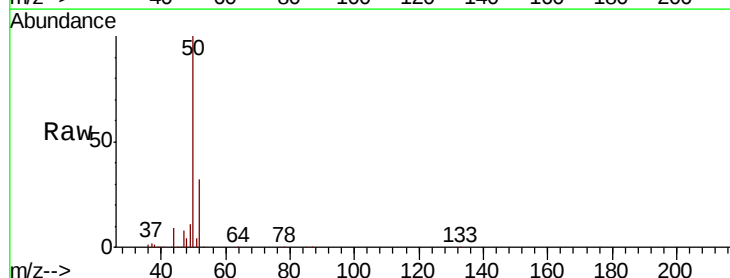
Acq: 23 Aug 2019 13:40

Tgt Ion: 50 Resp: 176756

Ion Ratio Lower Upper

50 100

52 32.0 22.2 41.2



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0

1.25

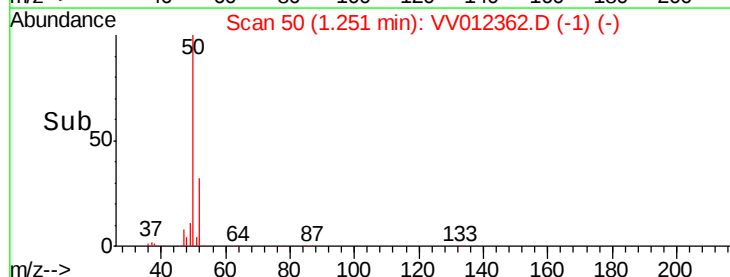
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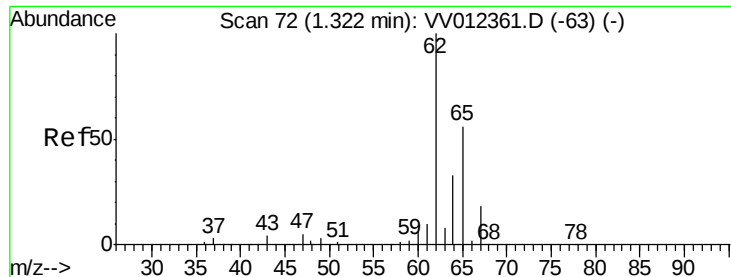
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 6.712 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012362.D

Acq: 23 Aug 2019 13:40

Instrument :

MSVOA_V

ClientSampleId :

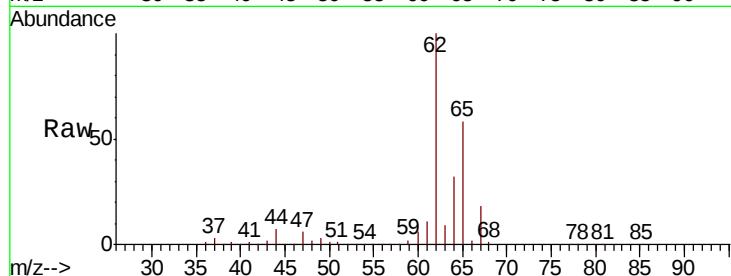
VSTD01036

Tgt Ion: 62 Resp: 172024

Ion Ratio Lower Upper

62 100

64 31.9 23.2 43.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

150000

100000

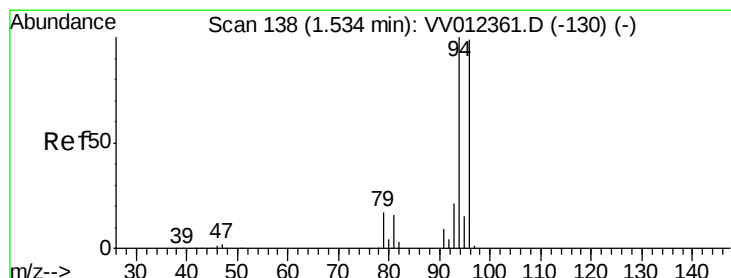
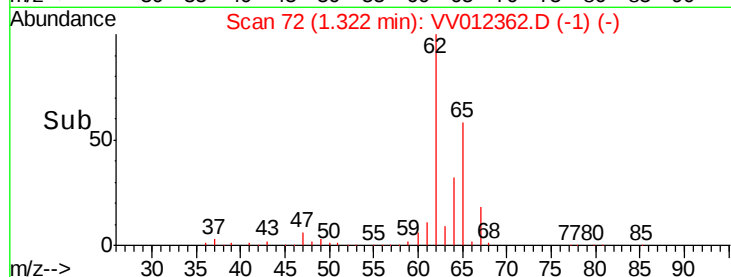
50000

0

Time-->

1.30

1.40



#6

Bromomethane

Concen: 5.575 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV012362.D

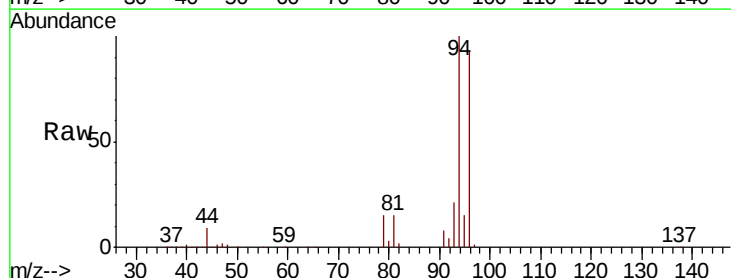
Acq: 23 Aug 2019 13:40

Tgt Ion: 94 Resp: 78088

Ion Ratio Lower Upper

94 100

96 93.2 69.2 128.6



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.54

60000

40000

20000

0

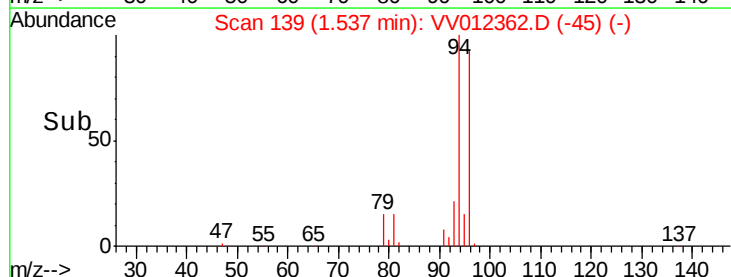
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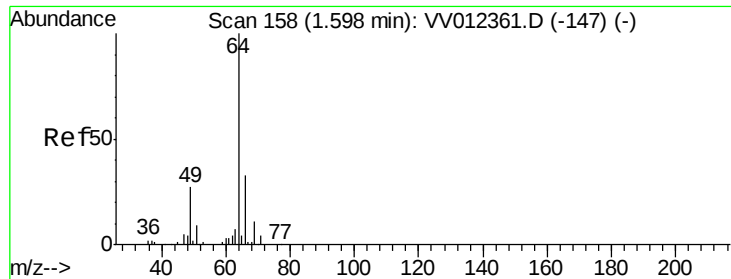
1.45

1.50

1.55

1.60

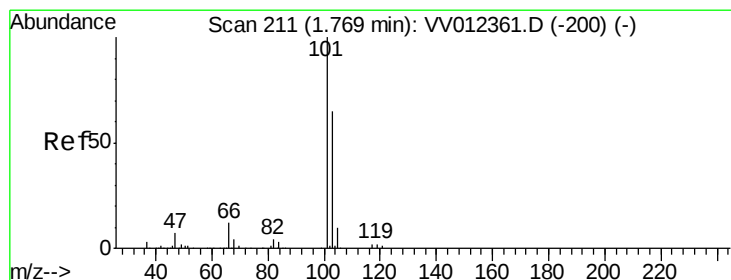
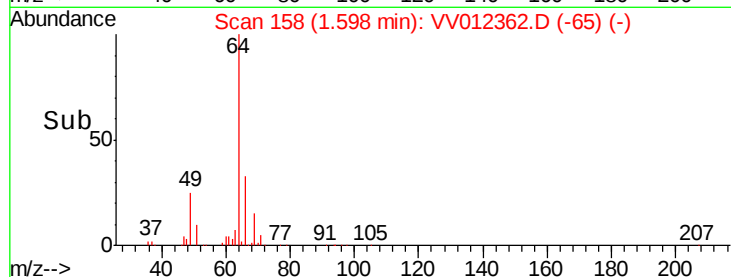
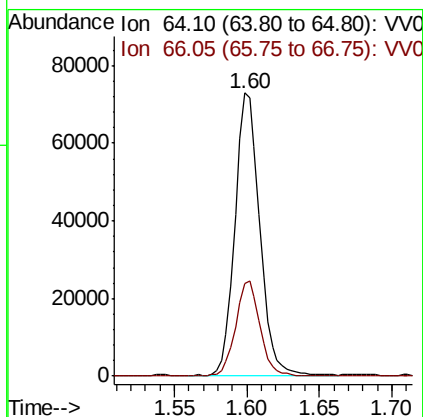
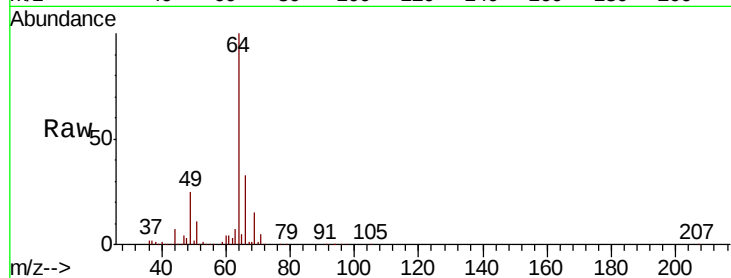




#8
Chloroethane
Concen: 5.946 ug/L
RT: 1.60 min Scan# 158
Delta R.T. 0.00 min
Lab File: VV012362.D
Acq: 23 Aug 2019 13:40

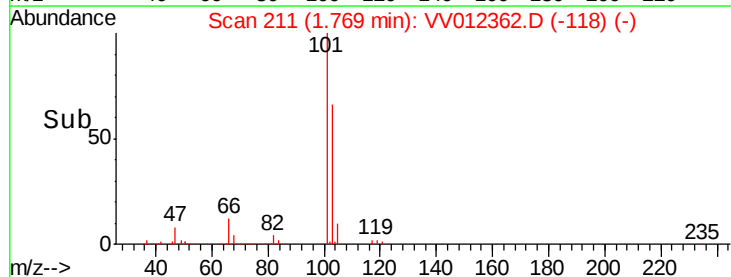
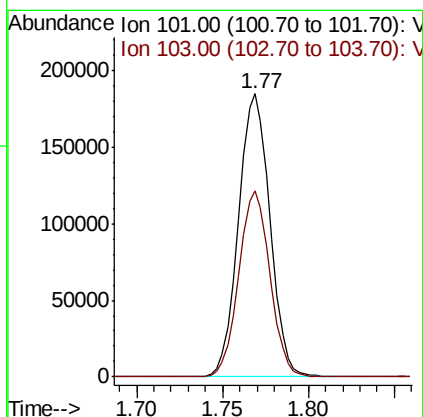
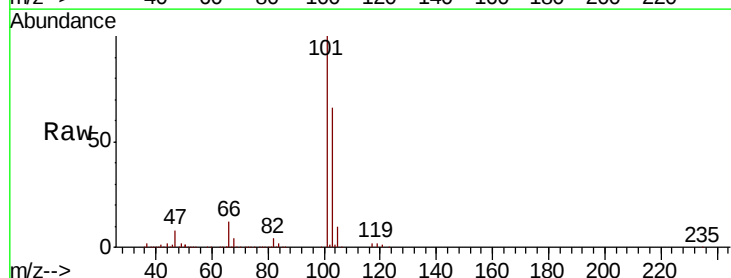
Instrument :
MSVOA_V
ClientSampleId :
VSTD01036

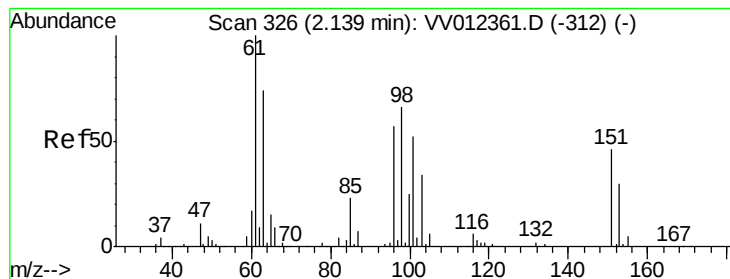
Tgt Ion: 64 Resp: 85570
Ion Ratio Lower Upper
64 100
66 32.8 23.2 43.0



#9
Trichlorofluoromethane
Concen: 7.211 ug/L
RT: 1.77 min Scan# 211
Delta R.T. 0.00 min
Lab File: VV012362.D
Acq: 23 Aug 2019 13:40

Tgt Ion: 101 Resp: 235665
Ion Ratio Lower Upper
101 100
103 65.2 51.2 76.8





#10

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

Concen: 7.216 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012362.D

Acq: 23 Aug 2019 13:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD01036

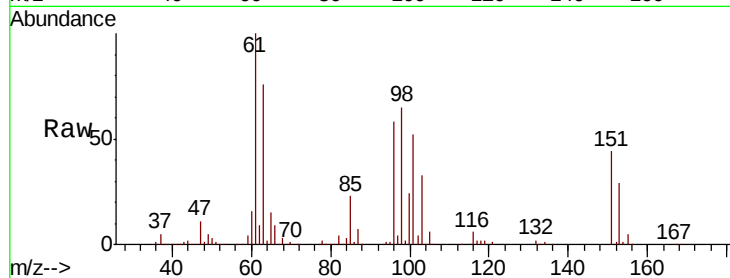
Tgt Ion: 101 Resp: 119991

Ion Ratio Lower Upper

101 100

85 43.5 34.6 51.8

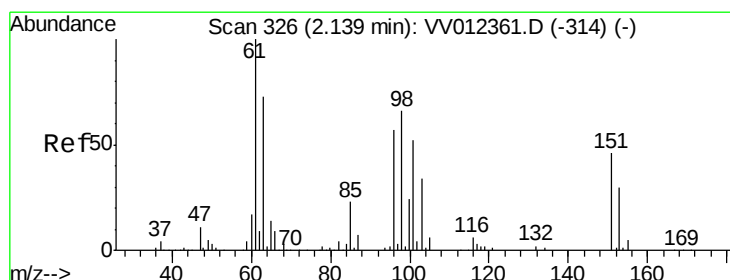
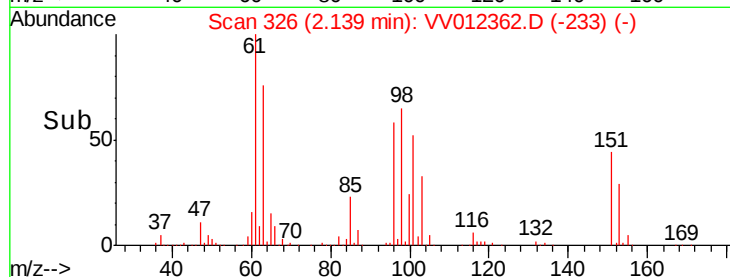
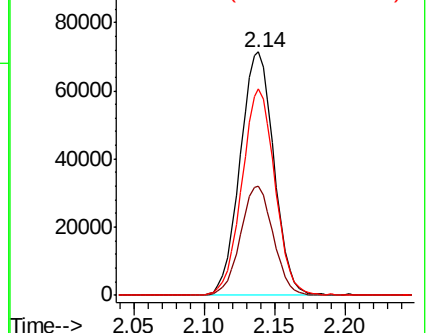
151 83.2 71.2 106.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 7.137 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012362.D

Acq: 23 Aug 2019 13:40

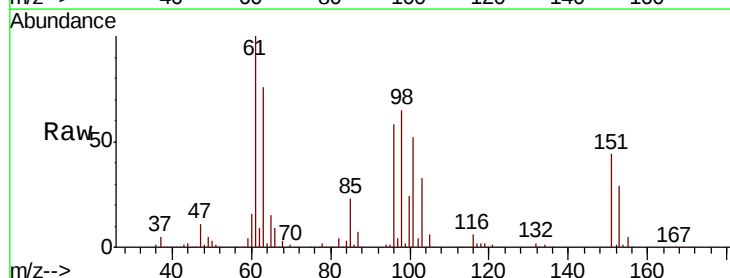
Tgt Ion: 96 Resp: 111164

Ion Ratio Lower Upper

96 100

61 173.5 122.3 227.1

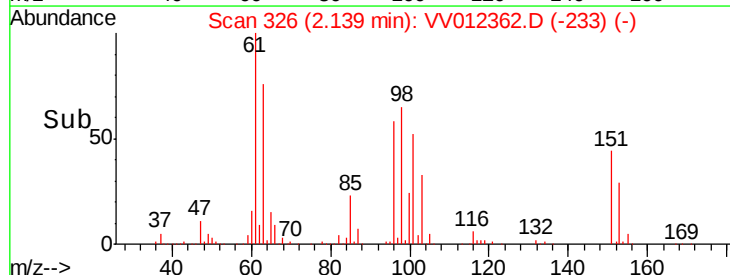
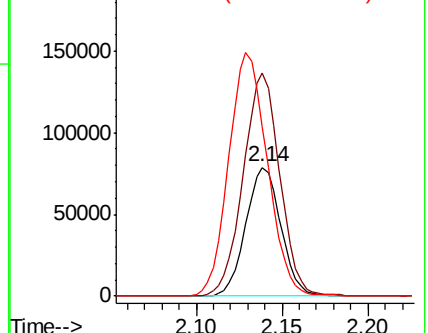
63 131.9 90.6 168.2

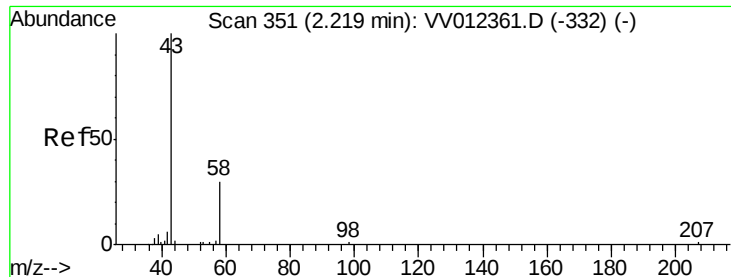


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 68.590 ug/L

RT: 2.22 min Scan# 351

Delta R.T. 0.00 min

Lab File: VV012362.D

Acq: 23 Aug 2019 13:40

Instrument :

MSVOA_V

ClientSampleId :

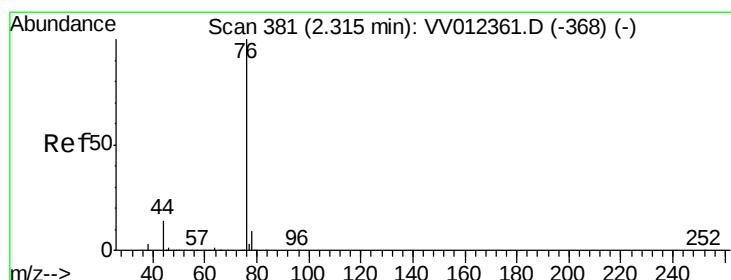
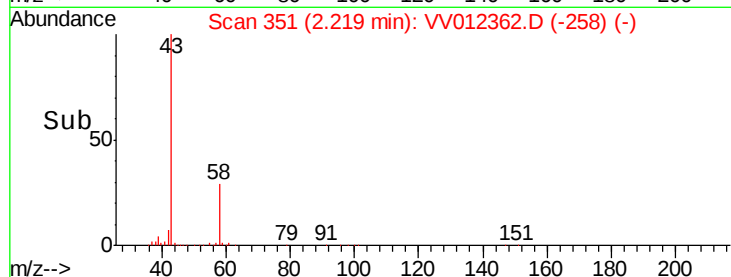
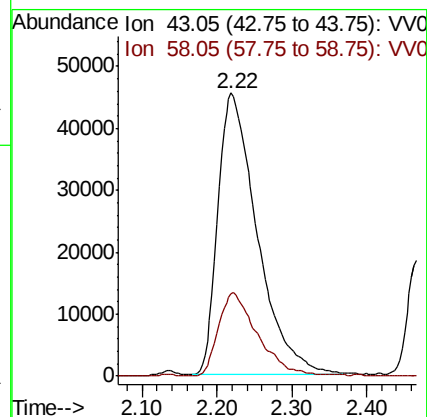
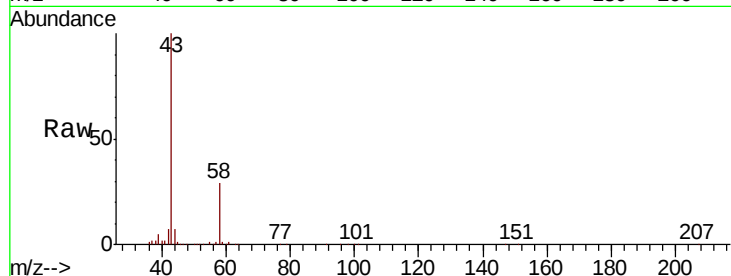
VSTD01036

Tgt Ion: 43 Resp: 166415

Ion Ratio Lower Upper

43 100

58 29.6 0.0 62.8



#14

Carbon disulfide

Concen: 7.480 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV012362.D

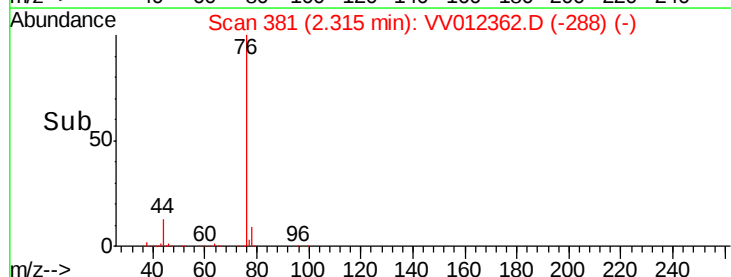
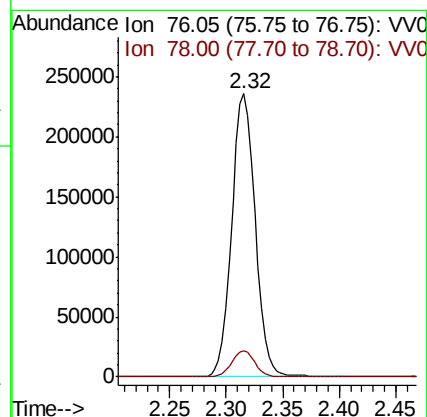
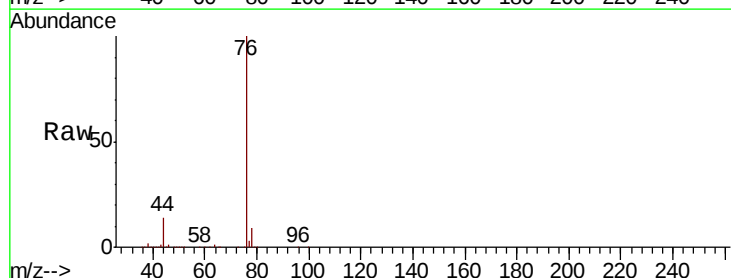
Acq: 23 Aug 2019 13:40

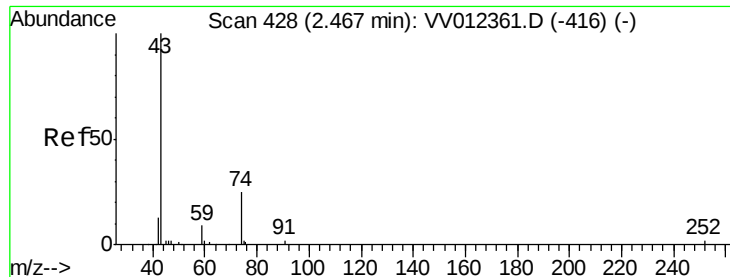
Tgt Ion: 76 Resp: 342537

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

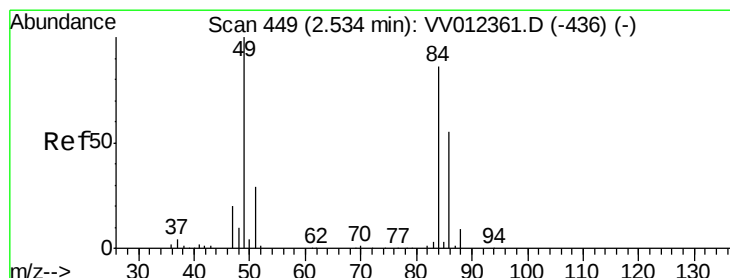
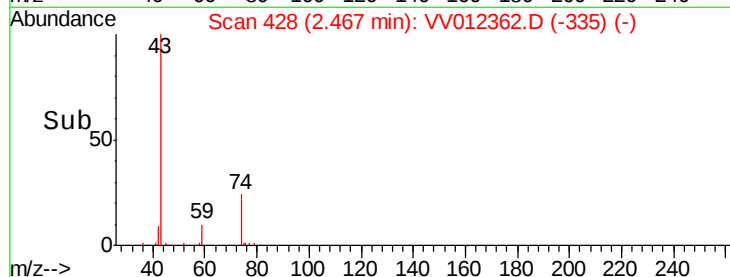
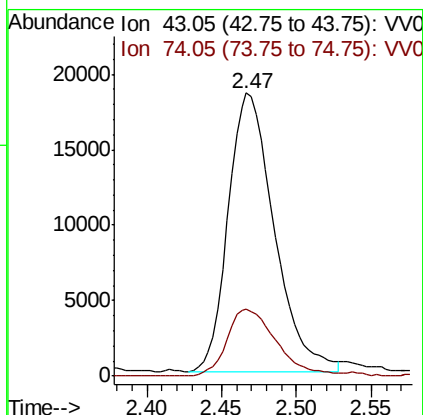
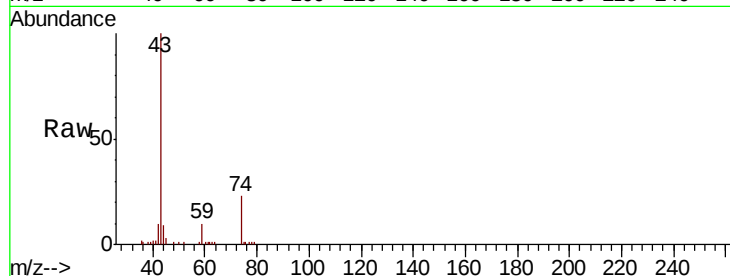




#15
Methyl Acetate
Concen: 6.566 ug/L
RT: 2.47 min Scan# 428
Delta R.T. 0.00 min
Lab File: VV012362.D
Acq: 23 Aug 2019 13:40

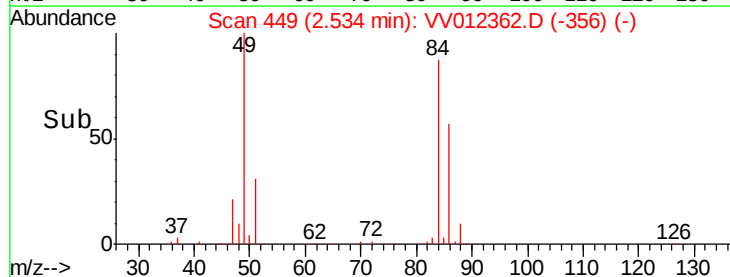
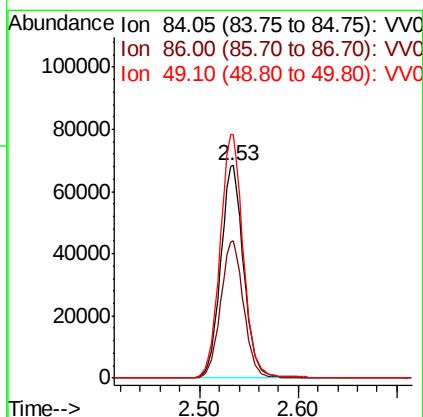
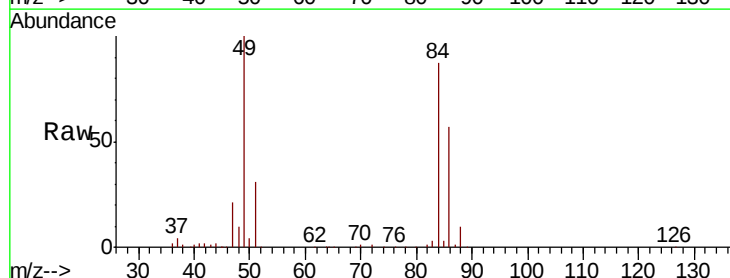
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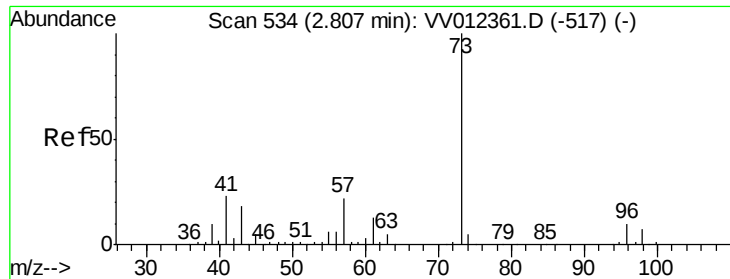
Tgt Ion: 43 Resp: 39840
Ion Ratio Lower Upper
43 100
74 25.6 21.8 32.6



#16
Methylene chloride
Concen: 6.665 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV012362.D
Acq: 23 Aug 2019 13:40

Tgt Ion: 84 Resp: 111559
Ion Ratio Lower Upper
84 100
86 64.8 44.9 83.5
49 114.7 81.1 150.7

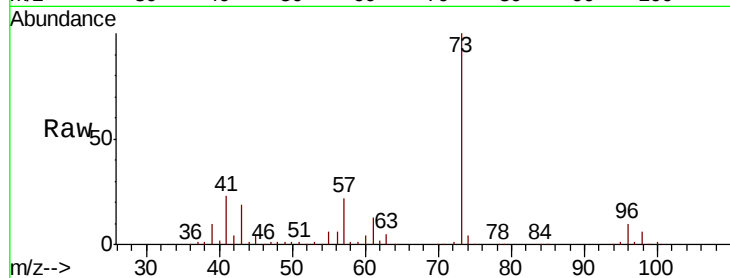




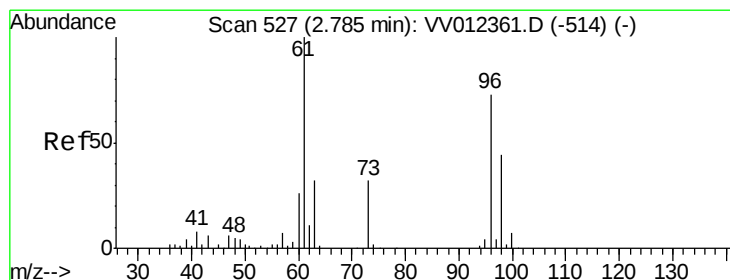
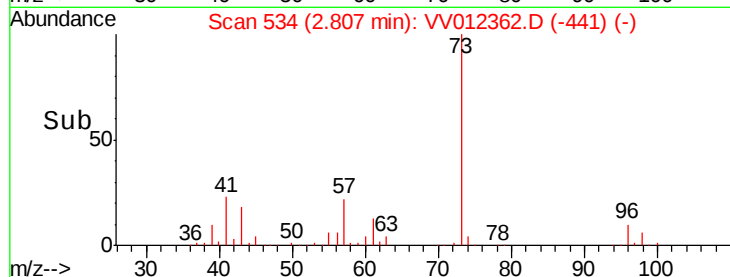
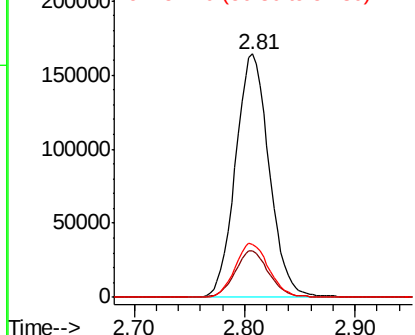
#17
Methyl tert-butyl Ether
Concen: 8.040 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV012362.D
Acq: 23 Aug 2019 13:40

Instrument :
MSVOA_V
ClientSampleId :
VSTD01036

Tgt Ion: 73 Resp: 346990
Ion Ratio Lower Upper
73 100
43 19.2 15.0 22.6
57 22.5 18.0 27.0

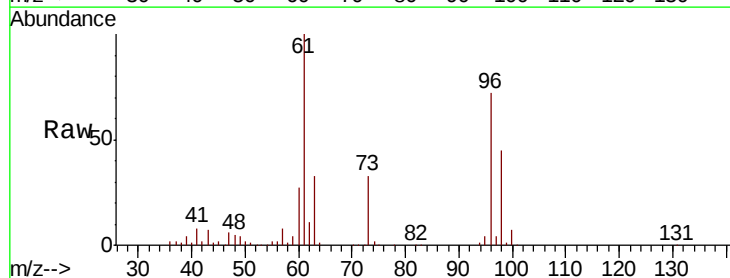


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

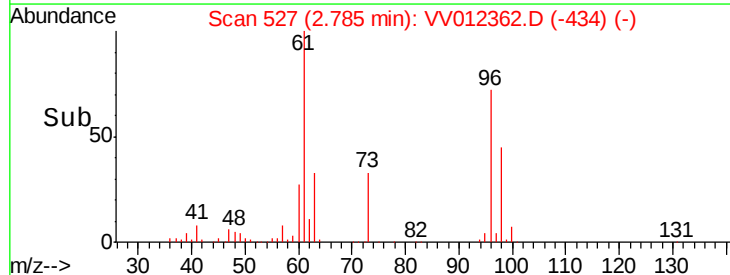
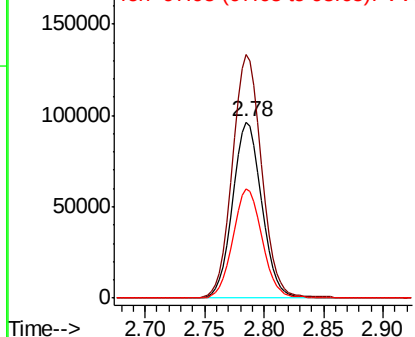


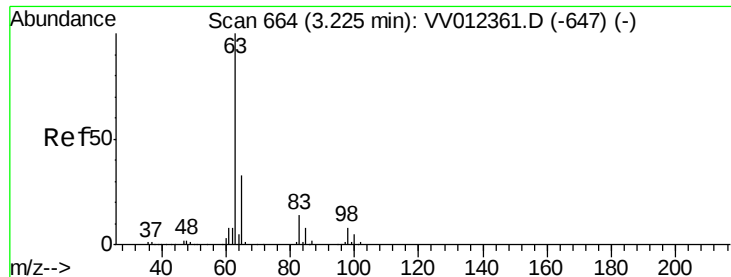
#18
trans-1,2-Dichloroethene
Concen: 7.830 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.00 min
Lab File: VV012362.D
Acq: 23 Aug 2019 13:40

Tgt Ion: 96 Resp: 164218
Ion Ratio Lower Upper
96 100
61 138.4 96.0 178.4
98 62.3 42.1 78.3



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0





#19

1,1-Dichloroethane

Concen: 8.145 ug/L

RT: 3.23 min Scan# 664

Delta R.T. 0.00 min

Lab File: VV012362.D

Acq: 23 Aug 2019 13:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD01036

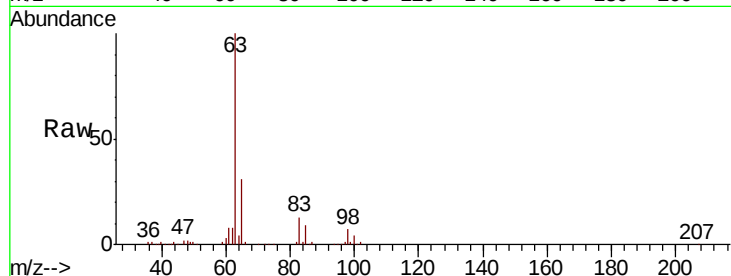
Tgt Ion: 63 Resp: 311691

Ion Ratio Lower Upper

63 100

65 30.6 23.1 42.9

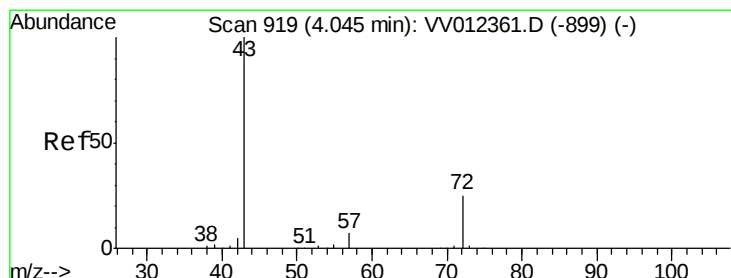
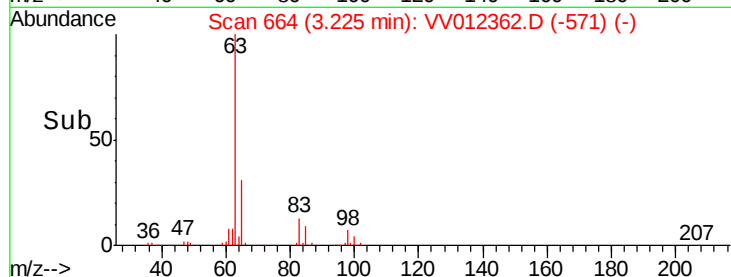
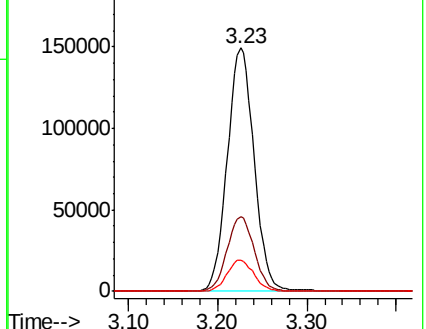
83 12.8 9.4 17.6



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



#21

2-Butanone

Concen: 83.072 ug/L

RT: 4.04 min Scan# 918

Delta R.T. -0.00 min

Lab File: VV012362.D

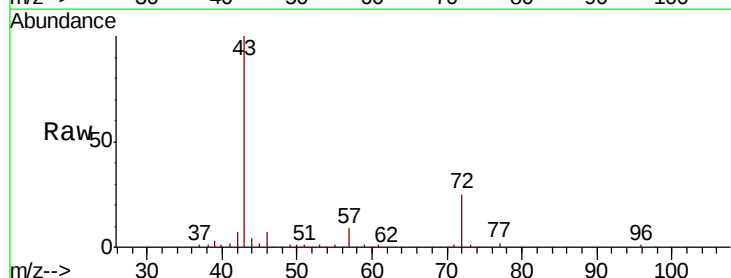
Acq: 23 Aug 2019 13:40

Tgt Ion: 43 Resp: 410775

Ion Ratio Lower Upper

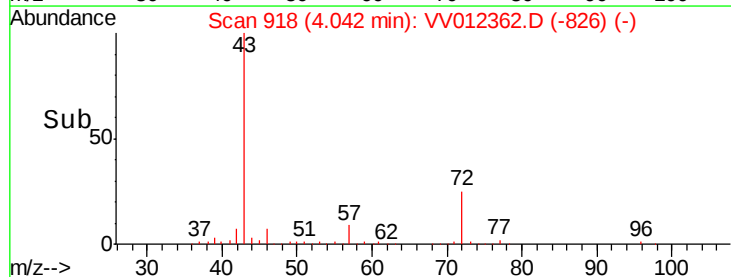
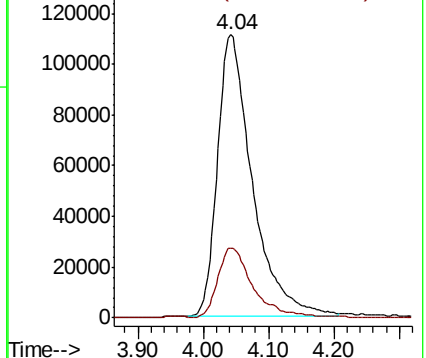
43 100

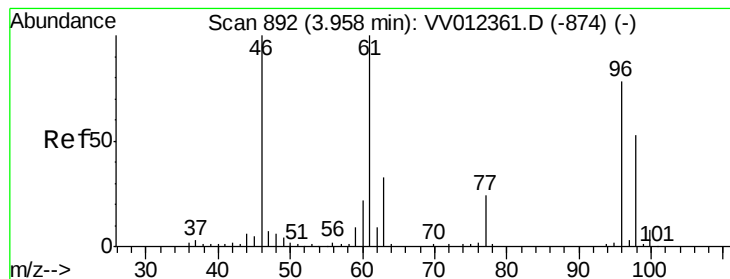
72 24.6 12.2 36.6



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 72.10 (71.80 to 72.80): VV0



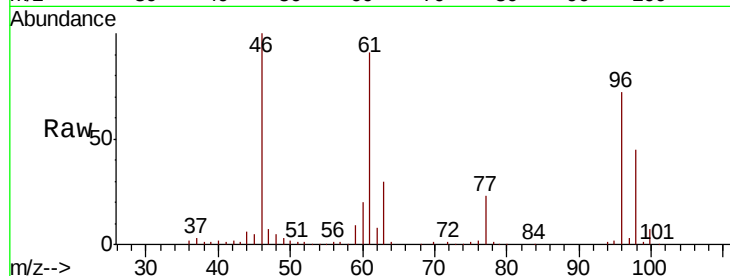


#22

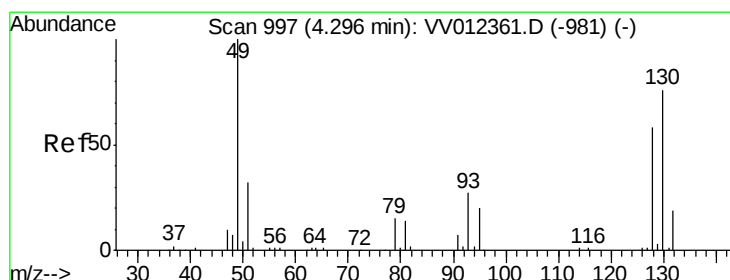
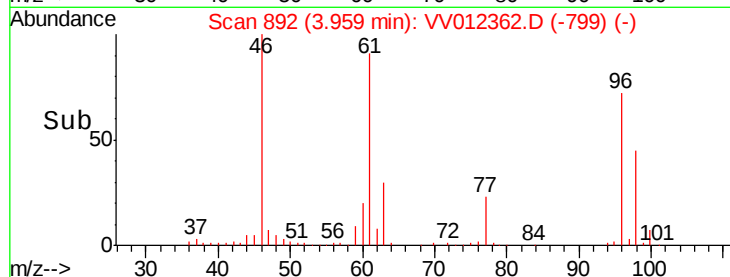
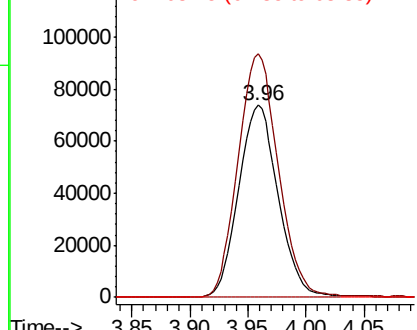
cis-1,2-Dichloroethene
Concen: 7.693 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.00 min
Lab File: VV012362.D
Acq: 23 Aug 2019 13:40

Instrument :
MSVOA_V
ClientSampleId :
VSTD01036

Tgt Ion: 96 Resp: 174929
Ion Ratio Lower Upper
96 100
61 126.6 89.4 166.0
68 0.2 0.0 0.0#



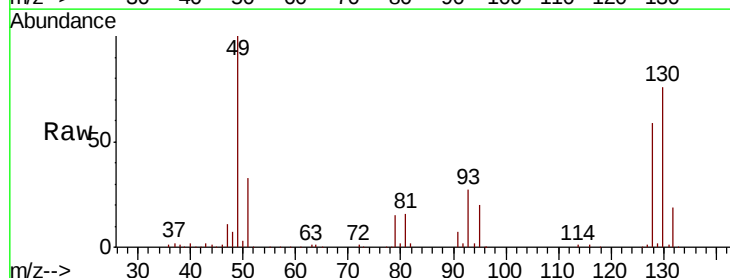
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



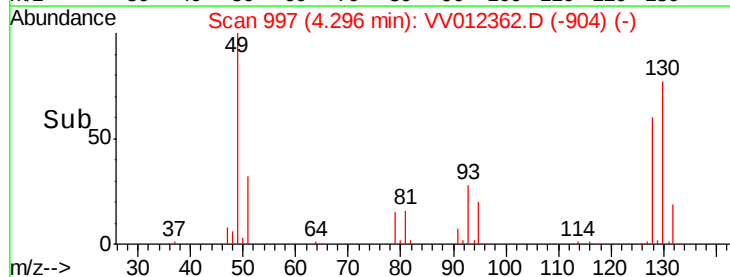
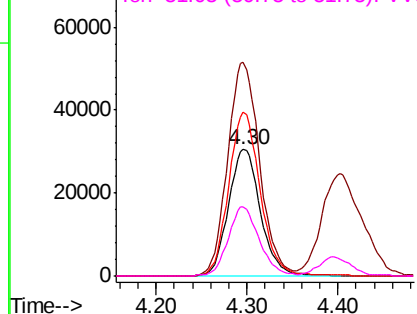
#23

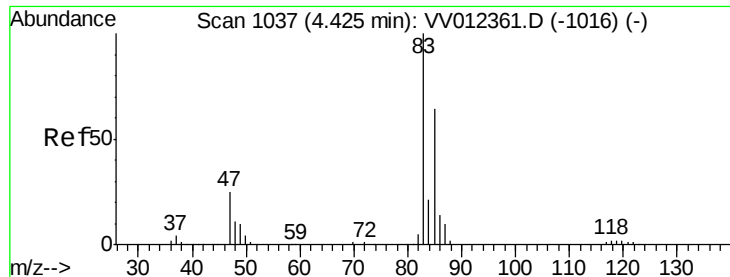
Bromochloromethane
Concen: 7.744 ug/L
RT: 4.30 min Scan# 997
Delta R.T. 0.00 min
Lab File: VV012362.D
Acq: 23 Aug 2019 13:40

Tgt Ion: 128 Resp: 74765
Ion Ratio Lower Upper
128 100
49 168.7 120.7 224.1
130 128.9 91.5 169.9
51 54.9 44.3 66.5



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

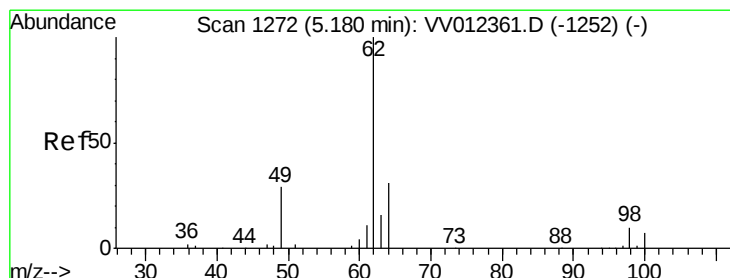
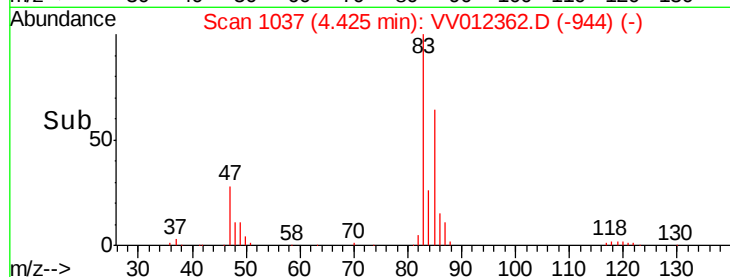
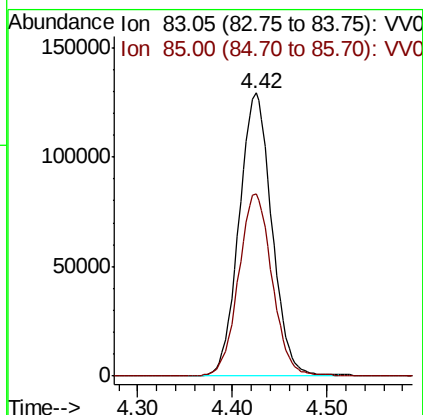
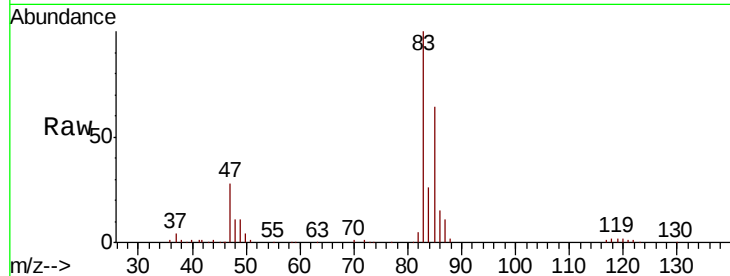




#25
Chloroform
Concen: 7.191 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV012362.D
Acq: 23 Aug 2019 13:40

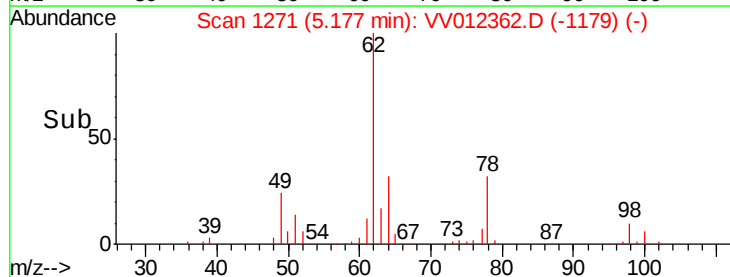
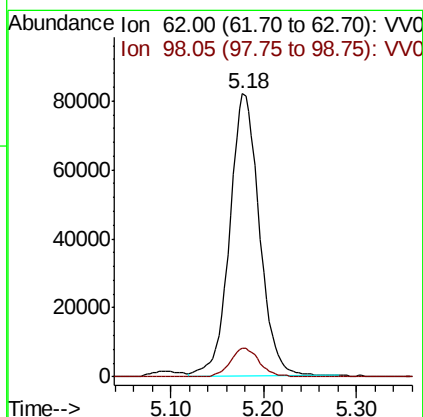
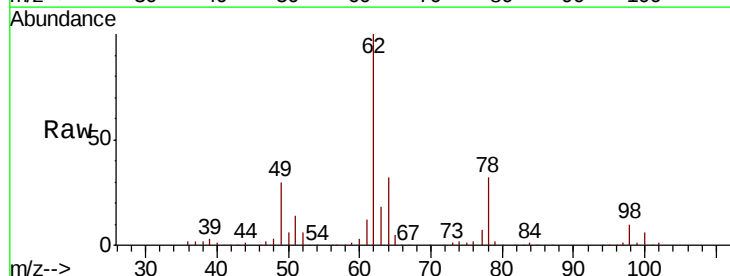
Instrument :
MSVOA_V
ClientSampled :
VSTD01036

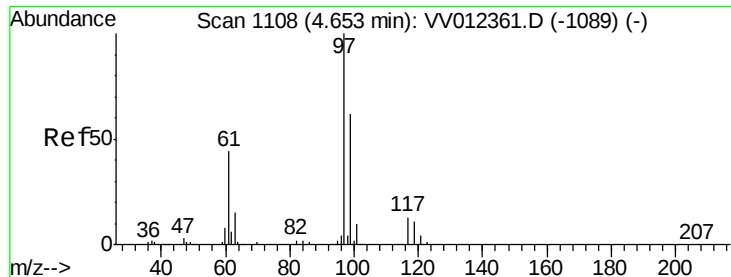
Tgt Ion: 83 Resp: 310660
Ion Ratio Lower Upper
83 100
85 64.2 44.6 82.8



#27
1,2-Dichloroethane
Concen: 7.761 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV012362.D
Acq: 23 Aug 2019 13:40

Tgt Ion: 62 Resp: 182067
Ion Ratio Lower Upper
62 100
98 10.3 7.6 11.4

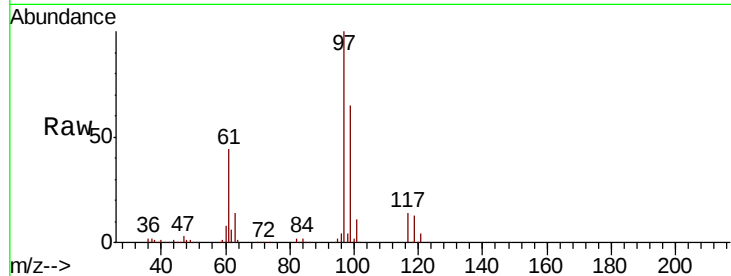




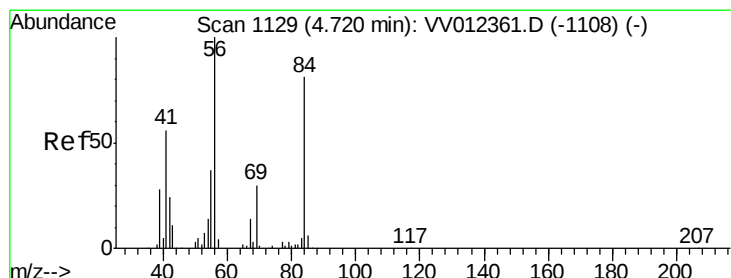
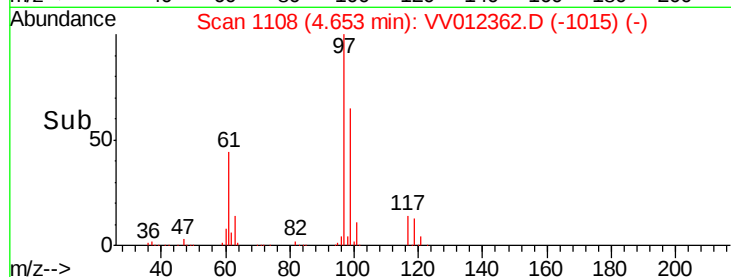
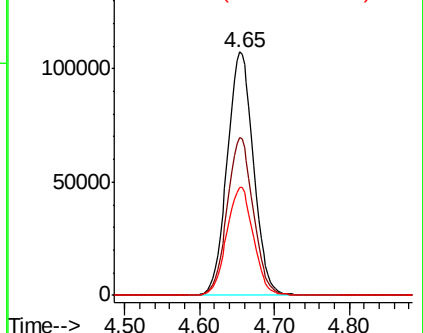
#29
 1,1,1-Trichloroethane
 Concen: 7.699 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. 0.00 min
 Lab File: VV012362.D
 Acq: 23 Aug 2019 13:40

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01036

Tgt Ion: 97 Resp: 262164
 Ion Ratio Lower Upper
 97 100
 99 64.2 50.5 75.7
 61 45.2 35.4 53.2

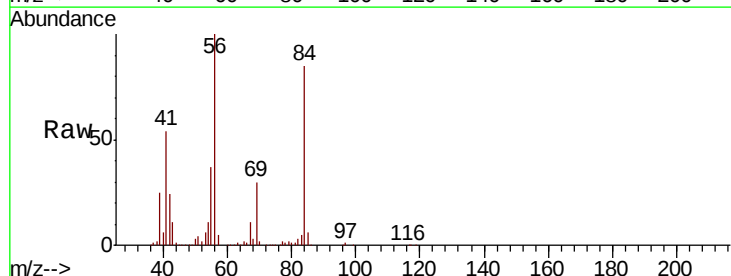


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

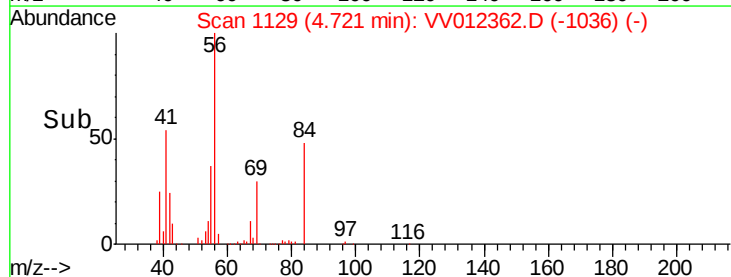
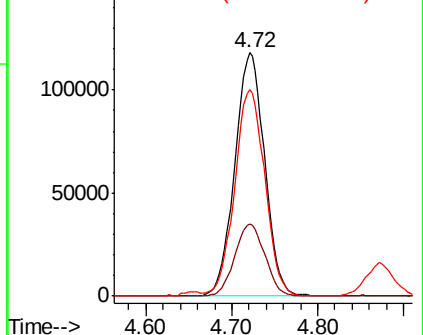


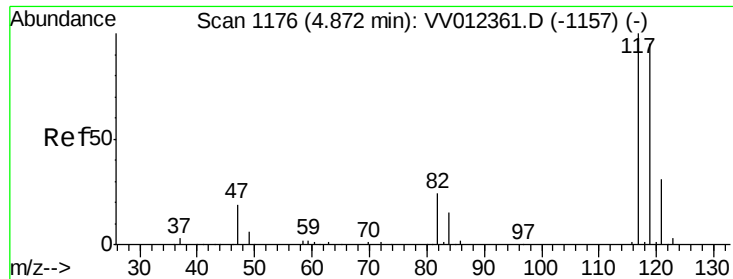
#30
 Cyclohexane
 Concen: 8.365 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. 0.00 min
 Lab File: VV012362.D
 Acq: 23 Aug 2019 13:40

Tgt Ion: 56 Resp: 284734
 Ion Ratio Lower Upper
 56 100
 69 29.6 24.0 36.0
 84 86.1 67.9 101.9



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

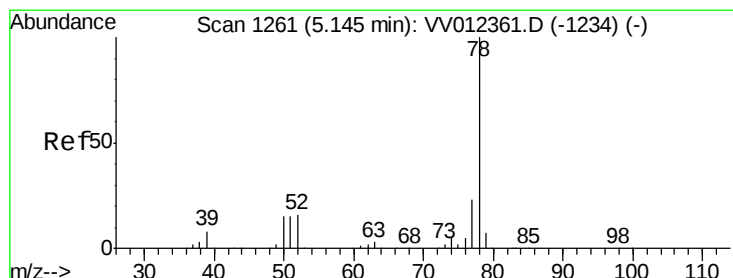
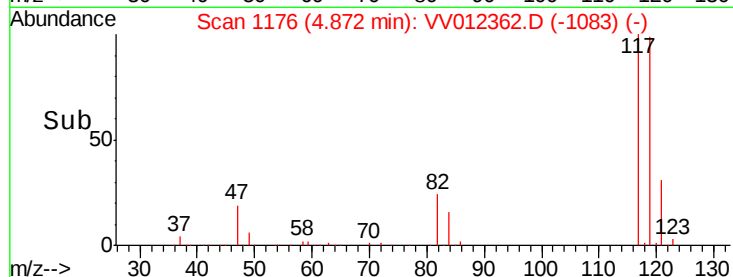
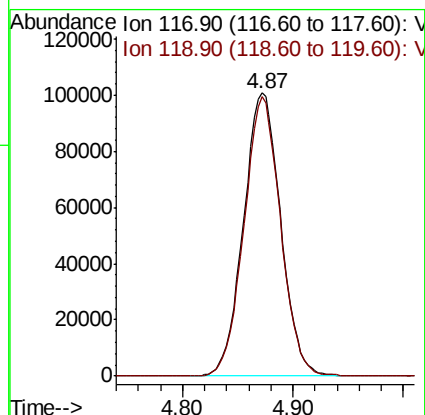
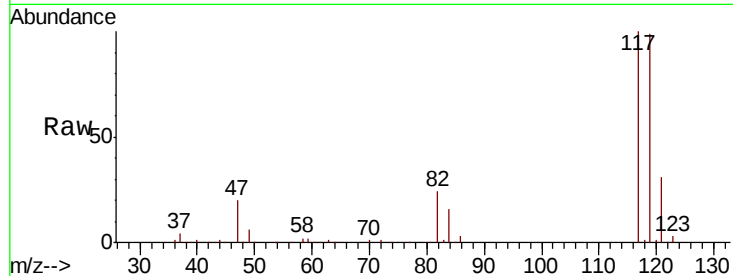




#31
Carbon tetrachloride
Concen: 7.680 ug/L
RT: 4.87 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VV012362.D
Acq: 23 Aug 2019 13:40

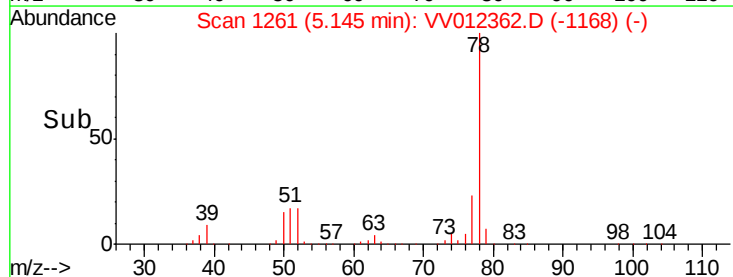
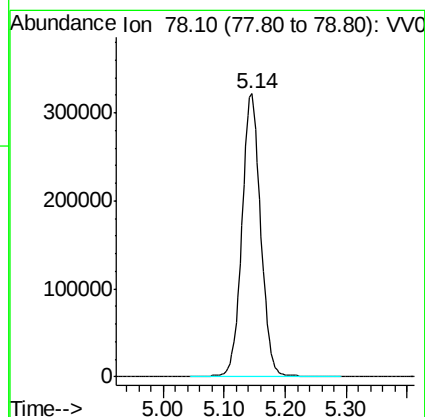
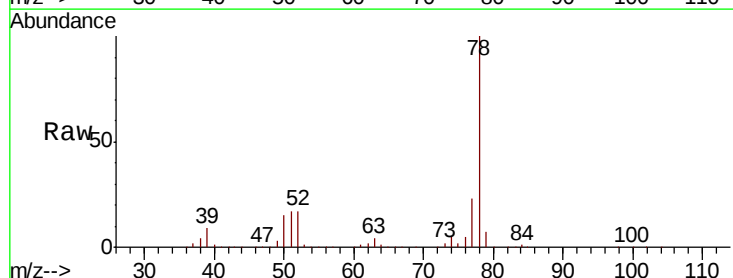
Instrument :
MSVOA_V
ClientSampleId :
VSTD01036

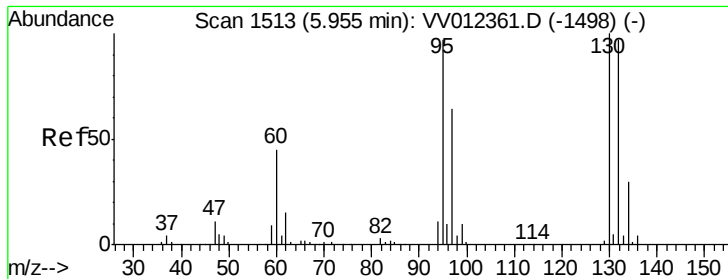
Tgt Ion:117 Resp: 235609
Ion Ratio Lower Upper
117 100
119 96.7 77.8 116.8



#33
Benzene
Concen: 8.204 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VV012362.D
Acq: 23 Aug 2019 13:40

Tgt Ion: 78 Resp: 692905





#34

Trichloroethene

Concen: 7.700 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV012362.D

Acq: 23 Aug 2019 13:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD01036

Tgt Ion: 95 Resp: 176337

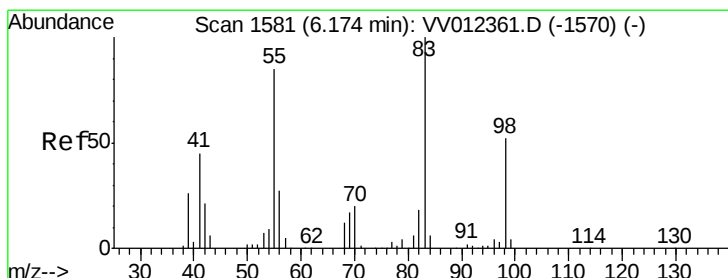
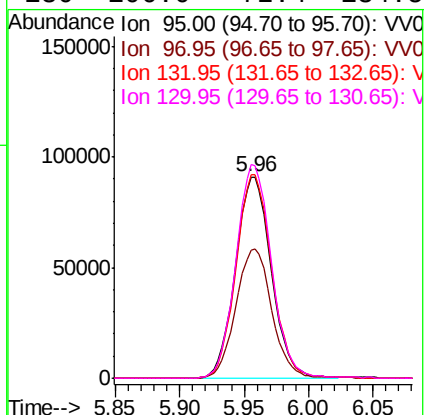
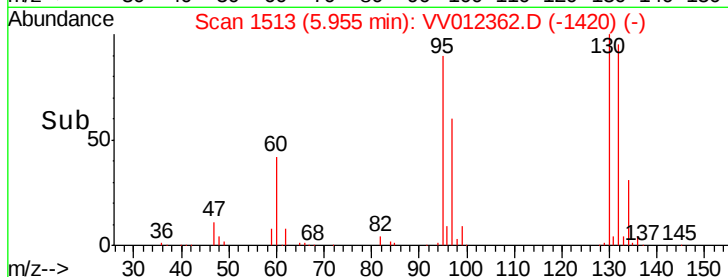
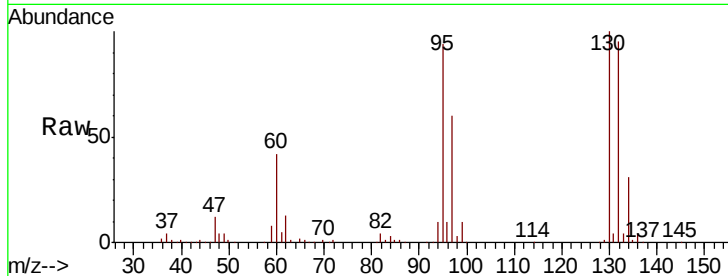
Ion Ratio Lower Upper

95 100

97 63.4 46.3 86.1

132 101.1 70.3 130.7

130 106.0 72.4 134.5



#35

Methylcyclohexane

Concen: 8.344 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV012362.D

Acq: 23 Aug 2019 13:40

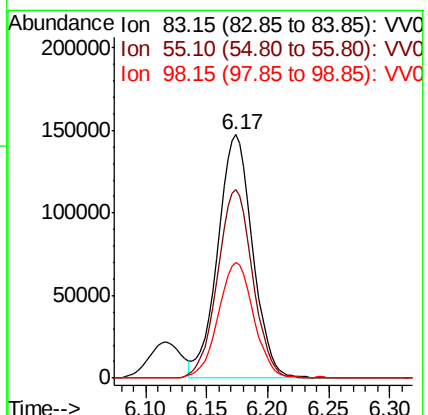
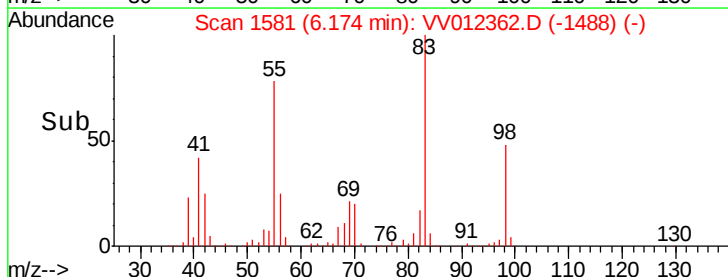
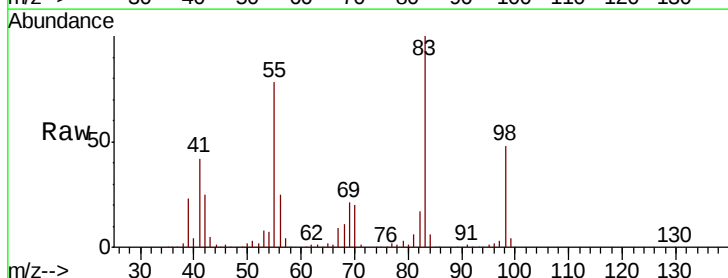
Tgt Ion: 83 Resp: 293942

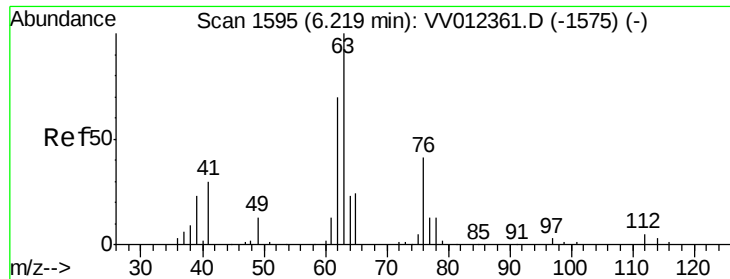
Ion Ratio Lower Upper

83 100

55 78.0 64.6 97.0

98 48.5 39.0 58.4





#37

1,2-Dichloropropane

Concen: 8.227 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VV012362.D

Acq: 23 Aug 2019 13:40

Instrument :

MSVOA_V

ClientSampleId :

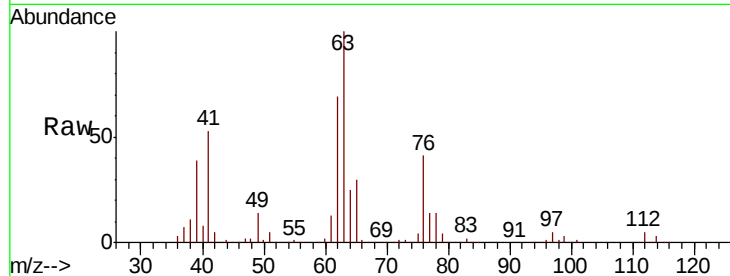
VSTD01036

Tgt Ion: 63 Resp: 173826

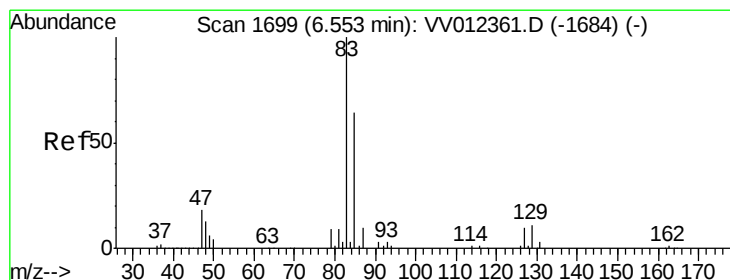
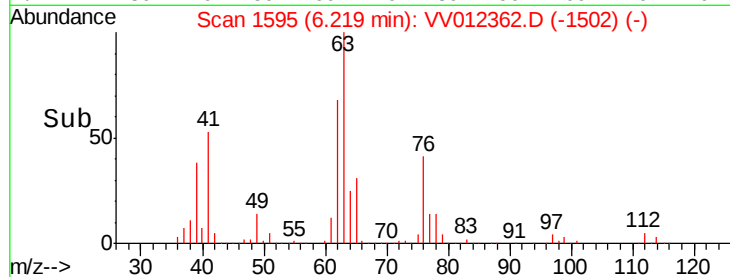
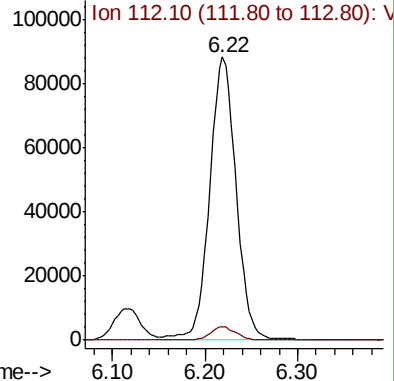
Ion Ratio Lower Upper

63 100

112 4.7 4.2 6.2



Abundance Ion 63.10 (62.80 to 63.80): VV012362.D (-1502) (-)



#38

Bromodichloromethane

Concen: 7.876 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV012362.D

Acq: 23 Aug 2019 13:40

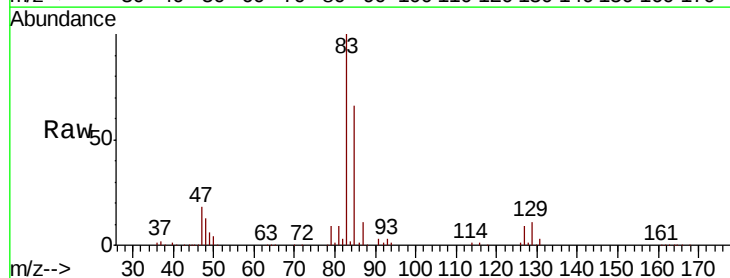
Tgt Ion: 83 Resp: 213267

Ion Ratio Lower Upper

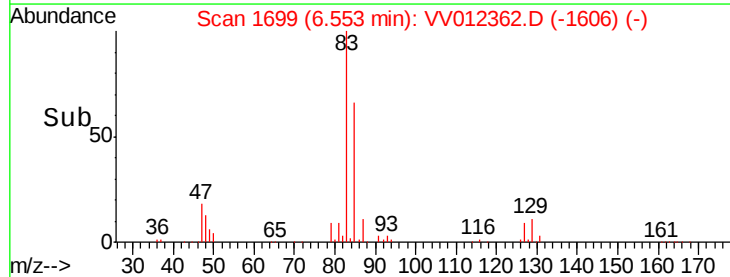
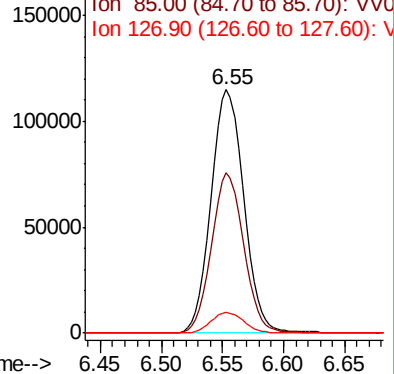
83 100

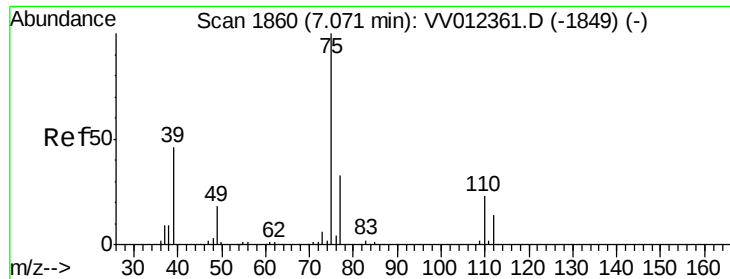
85 65.9 45.0 83.6

127 8.5 7.7 11.5



Abundance Ion 82.95 (82.65 to 83.65): VV012362.D (-1606) (-)

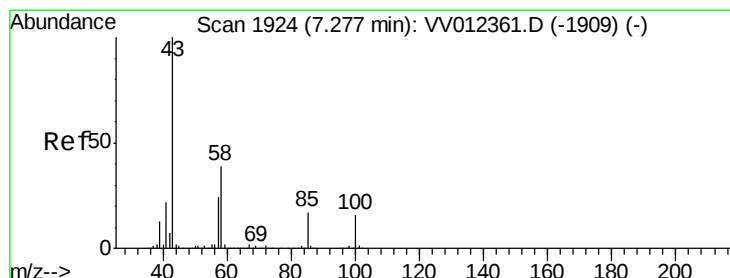
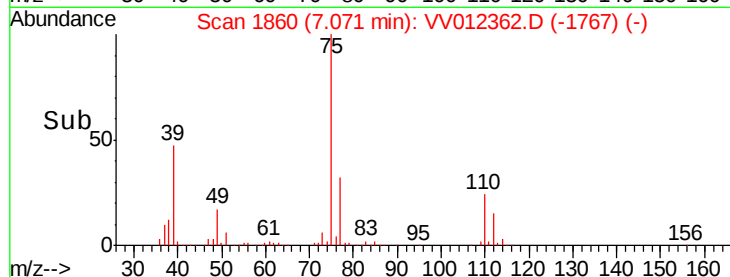
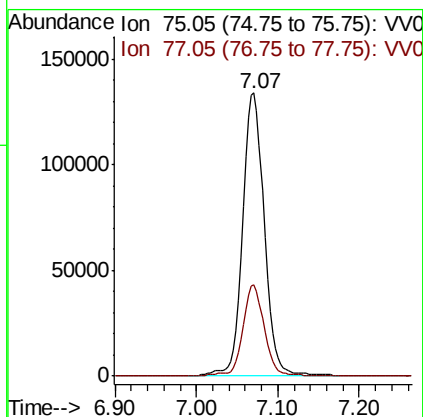
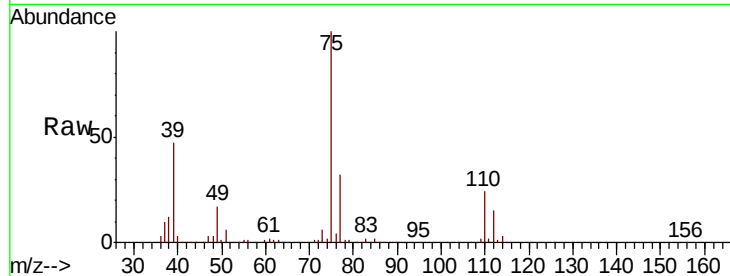




#39
 cis-1,3-Dichloropropene
 Concen: 8.603 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV012362.D
 Acq: 23 Aug 2019 13:40

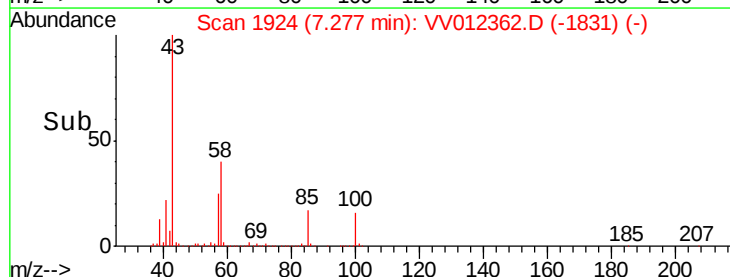
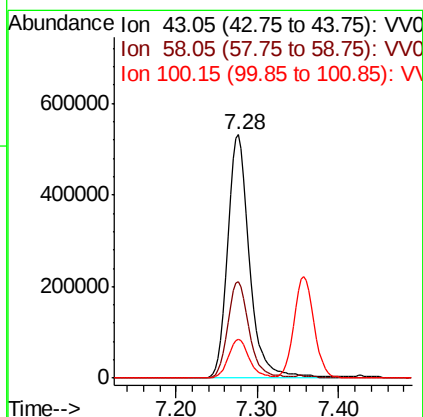
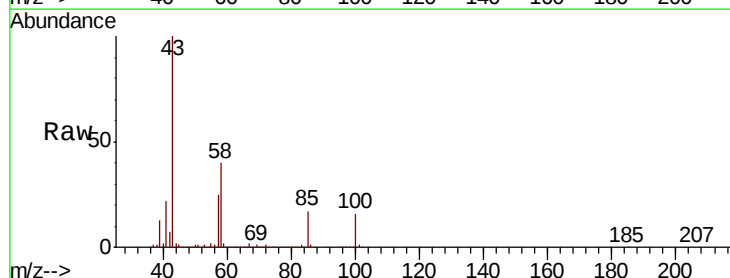
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01036

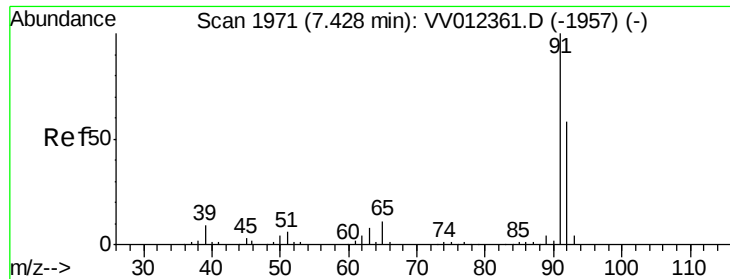
Tgt Ion: 75 Resp: 245570
 Ion Ratio Lower Upper
 75 100
 77 32.3 23.2 43.2



#40
 4-Methyl-2-pentanone
 Concen: 87.783 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV012362.D
 Acq: 23 Aug 2019 13:40

Tgt Ion: 43 Resp: 1009973
 Ion Ratio Lower Upper
 43 100
 58 38.9 30.7 46.1
 100 15.2 11.8 17.6





#42

Toluene

Concen: 8.150 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV012362.D

Acq: 23 Aug 2019 13:40

Instrument :

MSVOA_V

ClientSampleId :

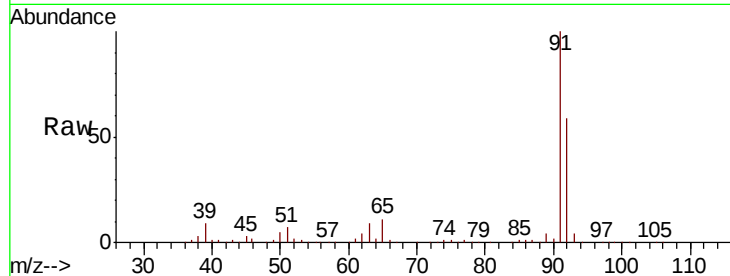
VSTD01036

Tgt Ion: 91 Resp: 726641

Ion Ratio Lower Upper

91 100

92 59.4 40.7 75.5



Abundance Ion 91.15 (90.85 to 91.85): VV012361.D (-1957) (-)

Ion 92.15 (91.85 to 92.85): VV012362.D (-1878) (-)

7.43

400000

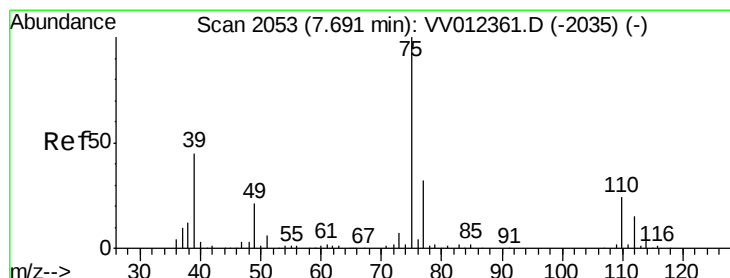
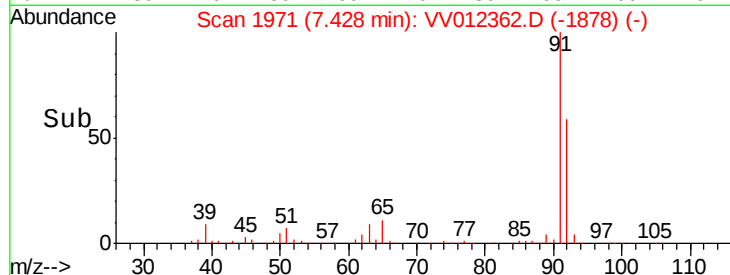
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 8.206 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV012362.D

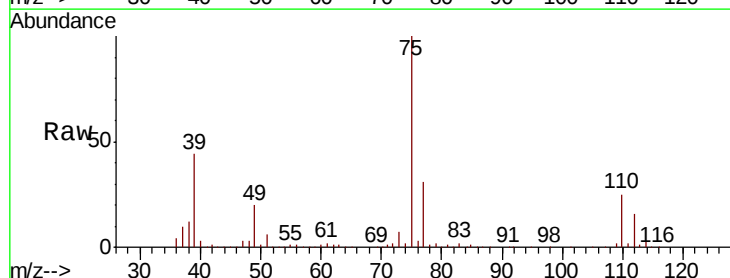
Acq: 23 Aug 2019 13:40

Tgt Ion: 75 Resp: 186707

Ion Ratio Lower Upper

75 100

77 30.9 22.6 42.0



Abundance Ion 75.05 (74.75 to 75.75): VV012361.D (-2035) (-)

Ion 77.05 (76.75 to 77.75): VV012362.D (-1960) (-)

7.69

120000

100000

80000

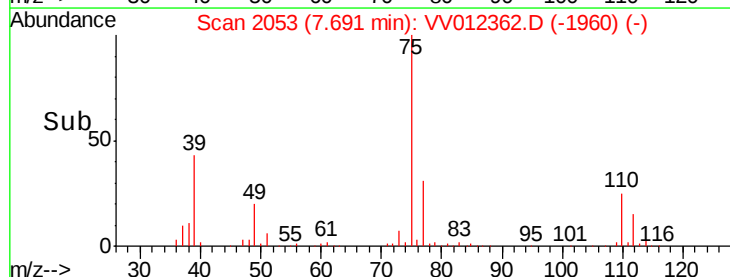
60000

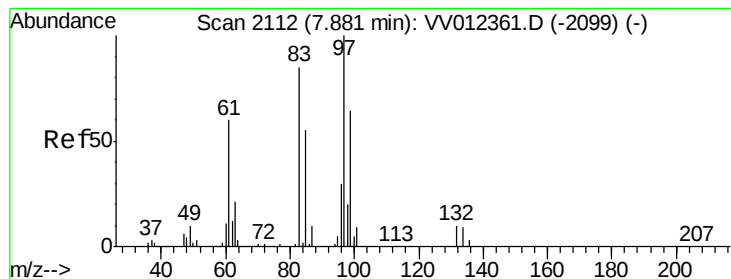
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 8.237 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VV012362.D

Acq: 23 Aug 2019 13:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD01036

Tgt Ion: 97 Resp: 115132

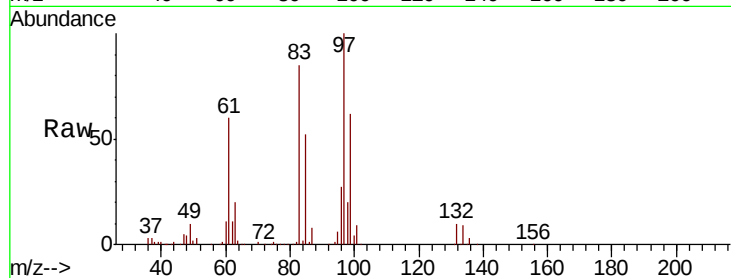
Ion Ratio Lower Upper

97 100

99 61.8 45.0 83.6

83 84.7 59.3 110.1

85 52.4 38.8 72.0

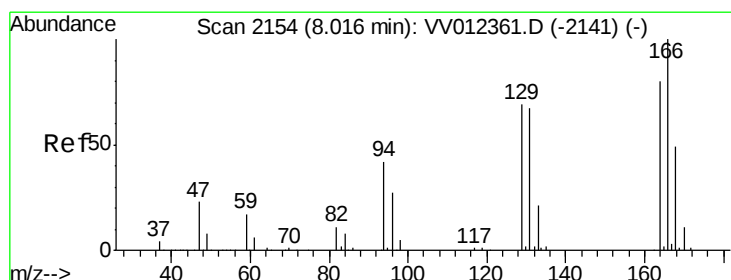
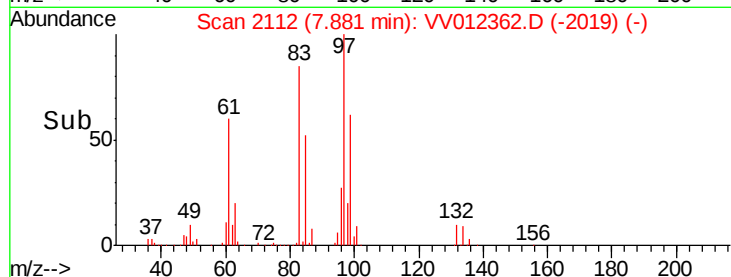
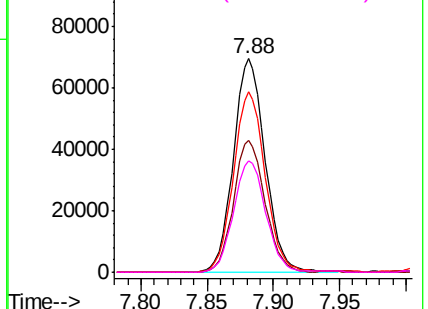


Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47

Tetrachloroethene

Concen: 7.770 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV012362.D

Acq: 23 Aug 2019 13:40

Tgt Ion: 164 Resp: 145482

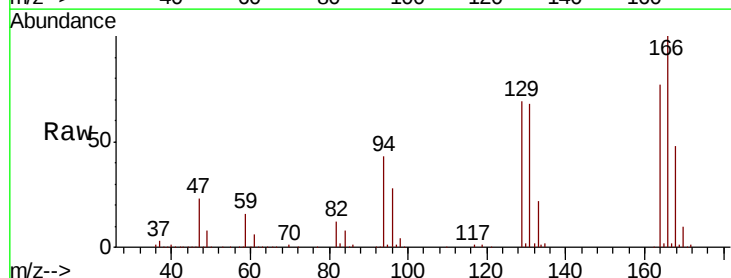
Ion Ratio Lower Upper

164 100

129 89.7 60.6 112.6

131 87.7 58.8 109.2

166 129.1 87.6 162.8

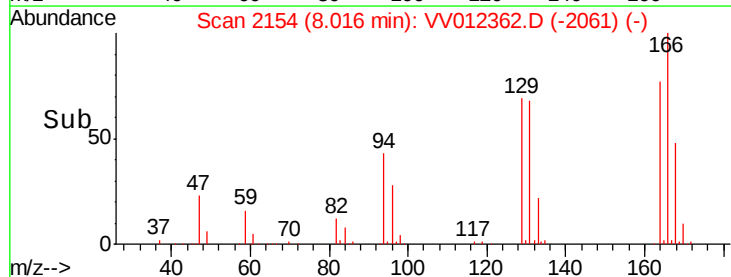
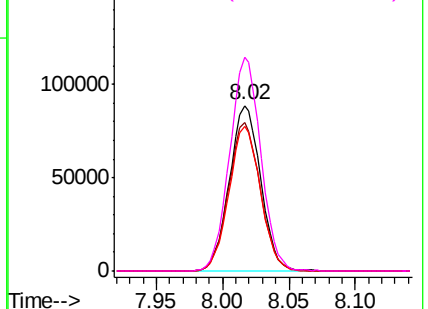


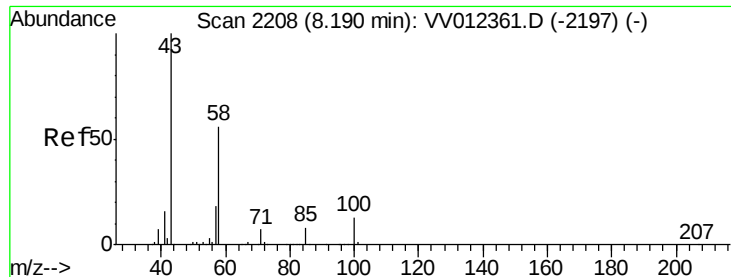
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

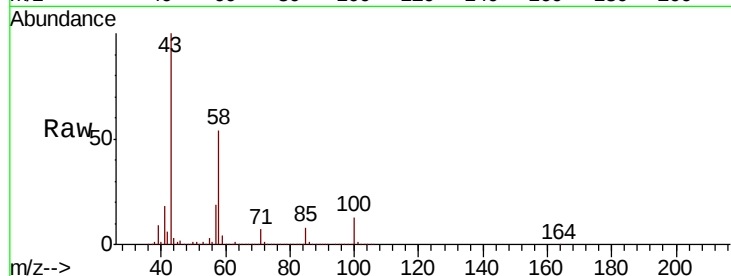




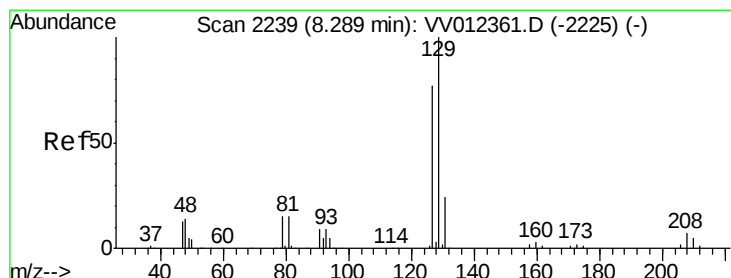
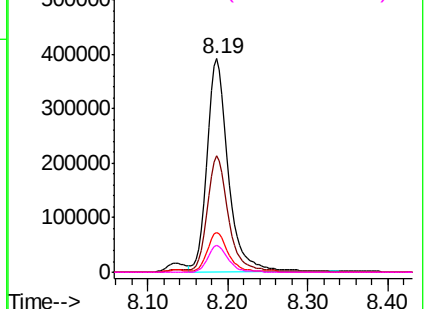
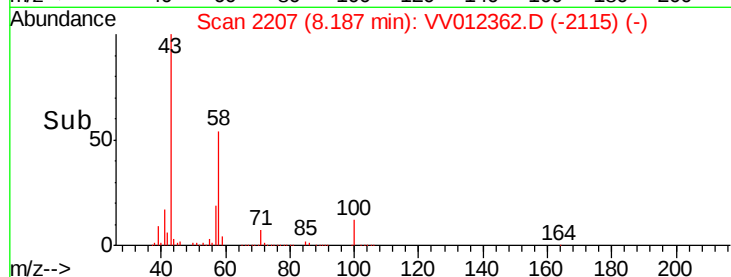
#48
2-Hexanone
Concen: 89.297 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VV012362.D
Acq: 23 Aug 2019 13:40

Instrument :
MSVOA_V
ClientSampleId :
VSTD01036

Tgt Ion:	43	Resp:	724317
Ion	Ratio	Lower	Upper
43	100		
58	54.6	46.3	69.5
57	18.1	14.9	22.3
100	12.1	9.7	14.5

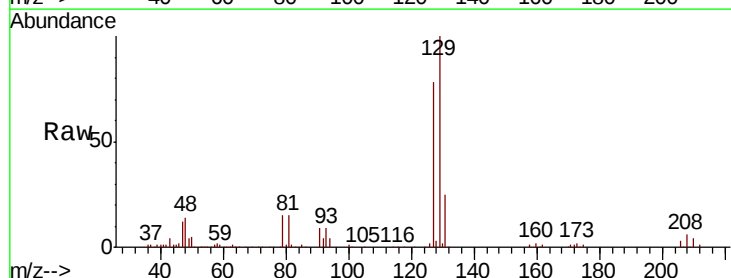


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

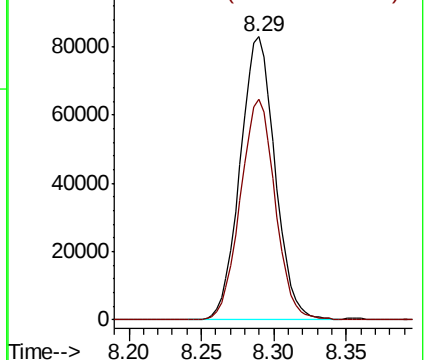
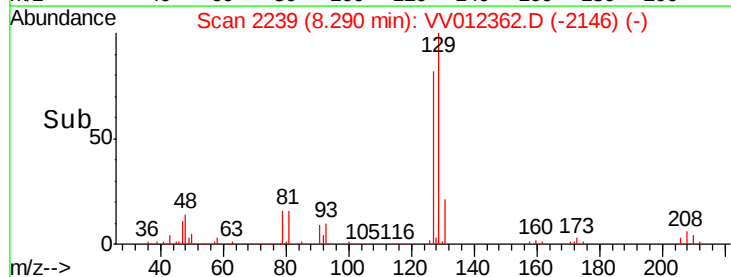


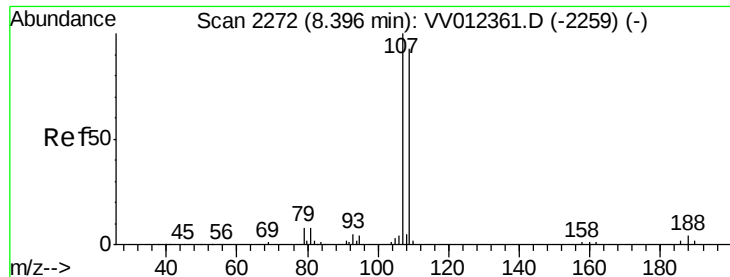
#49
Dibromochloromethane
Concen: 8.037 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV012362.D
Acq: 23 Aug 2019 13:40

Tgt Ion:	129	Resp:	139061
Ion	Ratio	Lower	Upper
129	100		
127	77.8	53.8	99.8



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

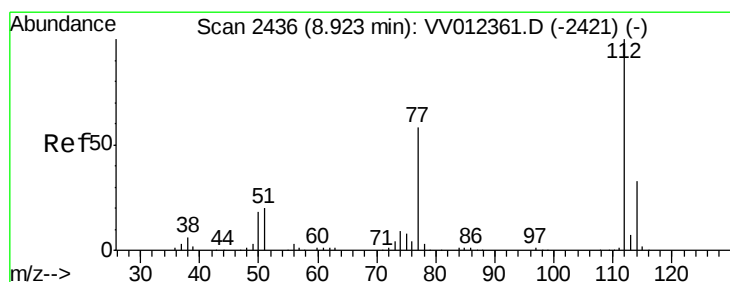
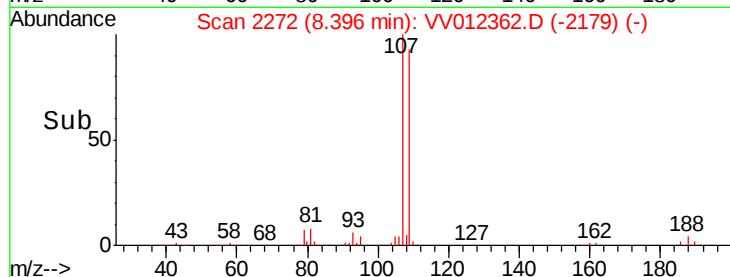
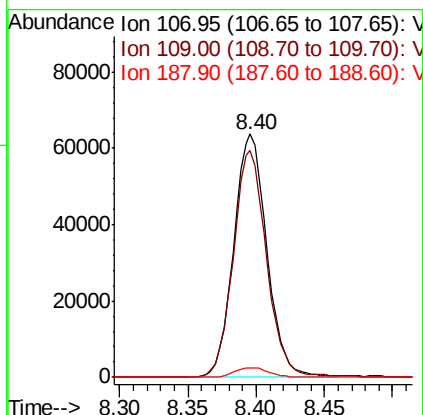
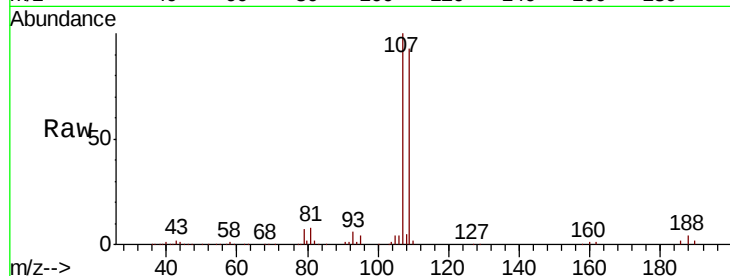




#50
1,2-Dibromoethane
Concen: 7.986 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV012362.D
Acq: 23 Aug 2019 13:40

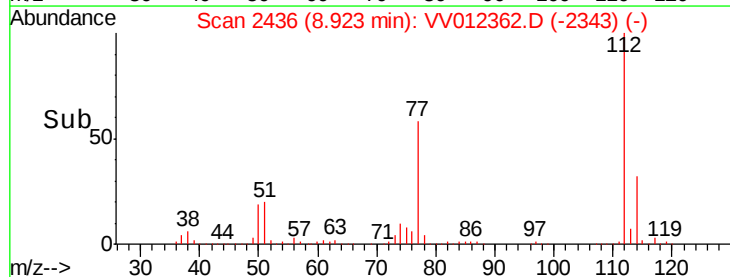
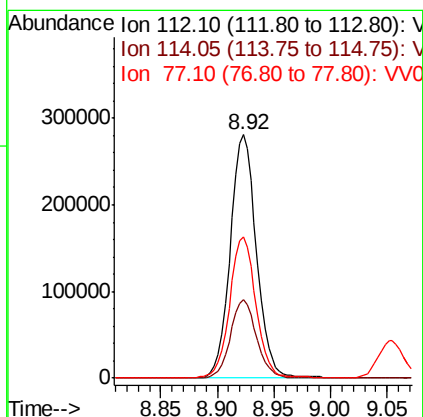
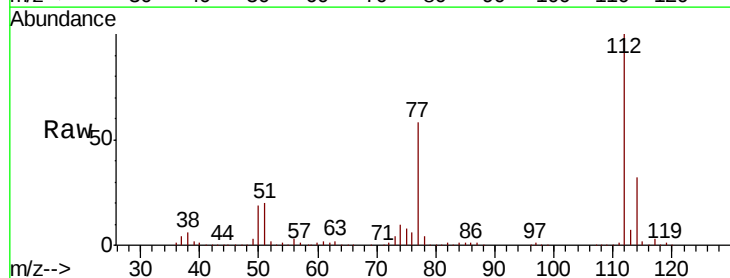
Instrument :
MSVOA_V
ClientSampleId :
VSTD01036

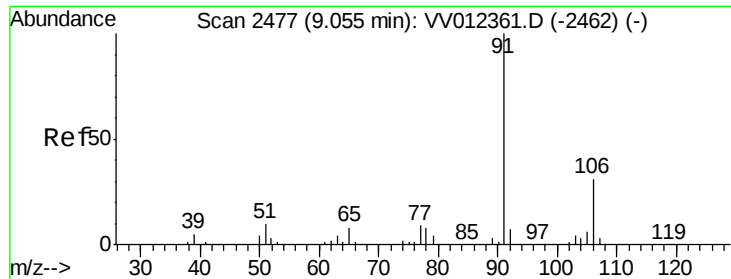
Tgt Ion:107 Resp: 107524
Ion Ratio Lower Upper
107 100
109 93.3 64.9 120.5
188 3.9 3.5 5.3



#51
Chlorobenzene
Concen: 7.859 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV012362.D
Acq: 23 Aug 2019 13:40

Tgt Ion:112 Resp: 453104
Ion Ratio Lower Upper
112 100
114 32.1 23.0 42.6
77 57.8 46.4 69.6

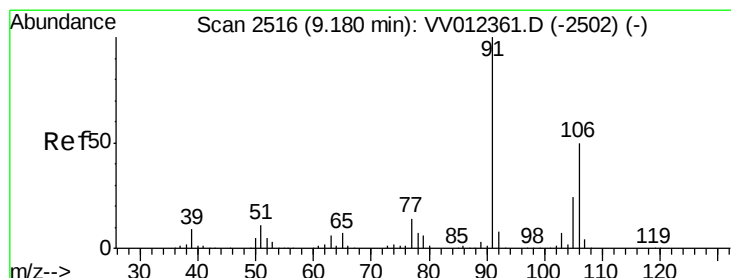
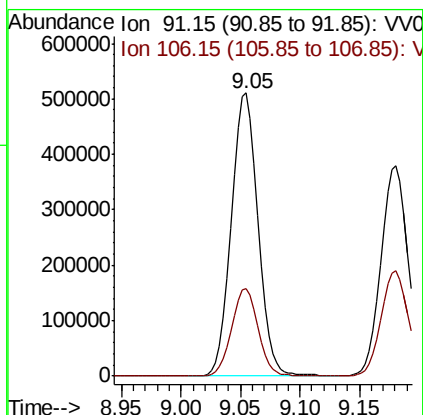
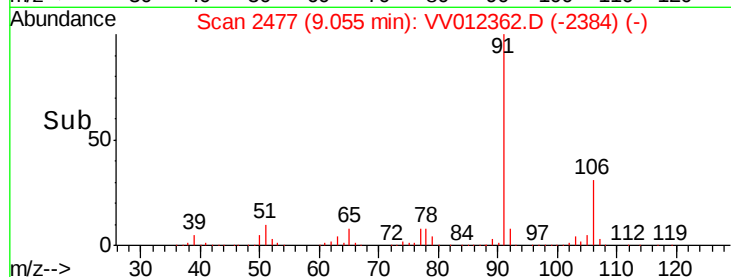
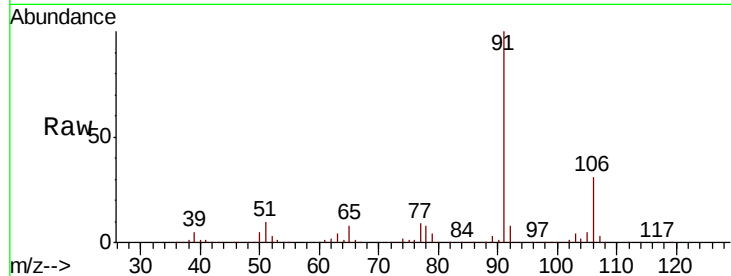




#52
Ethylbenzene
Concen: 8.373 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. 0.00 min
Lab File: VV012362.D
Acq: 23 Aug 2019 13:40

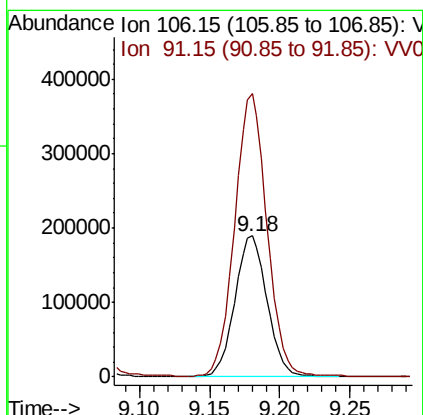
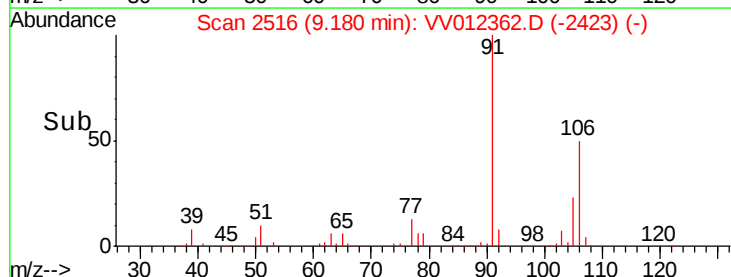
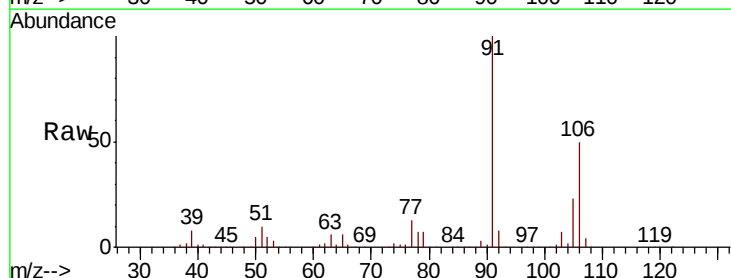
Instrument :
MSVOA_V
ClientSampleId :
VSTD01036

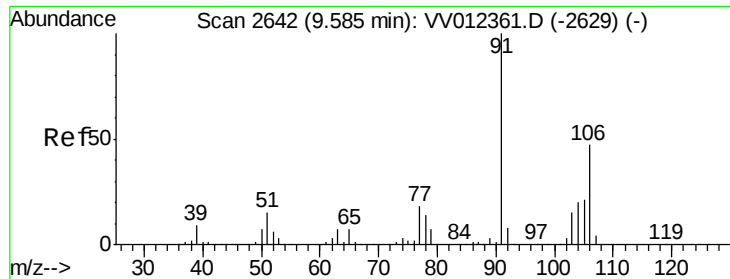
Tgt Ion: 91 Resp: 796014
Ion Ratio Lower Upper
91 100
106 31.1 21.7 40.3



#53
m,p-xylene
Concen: 8.332 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. 0.00 min
Lab File: VV012362.D
Acq: 23 Aug 2019 13:40

Tgt Ion: 106 Resp: 302248
Ion Ratio Lower Upper
106 100
91 200.5 140.8 261.4

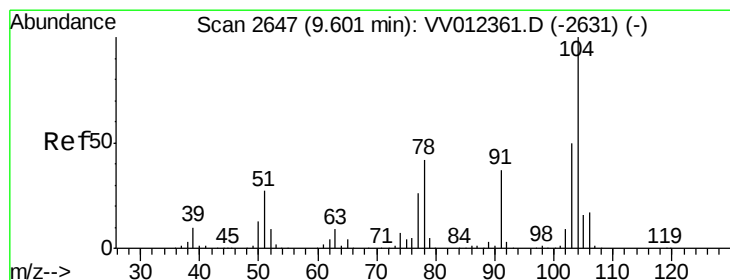
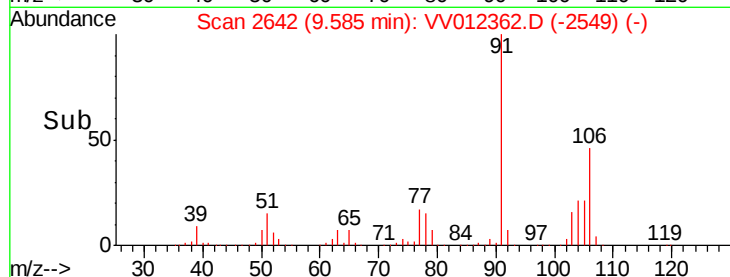
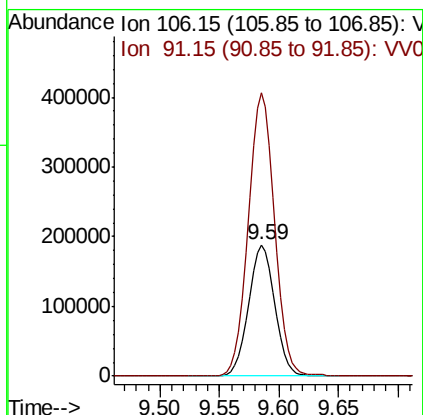
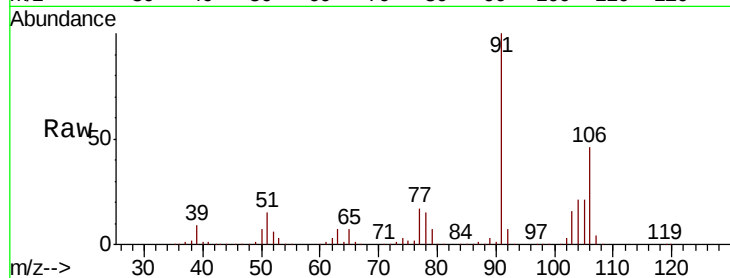




#54
o-xylene
Concen: 8.350 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV012362.D
Acq: 23 Aug 2019 13:40

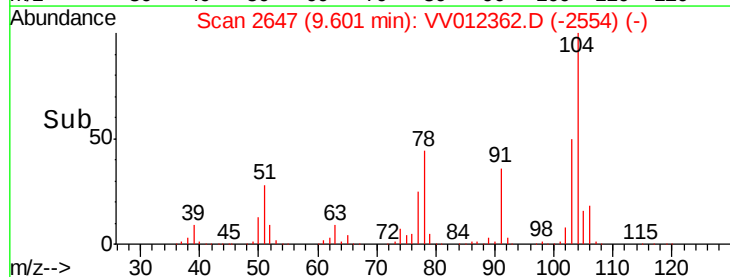
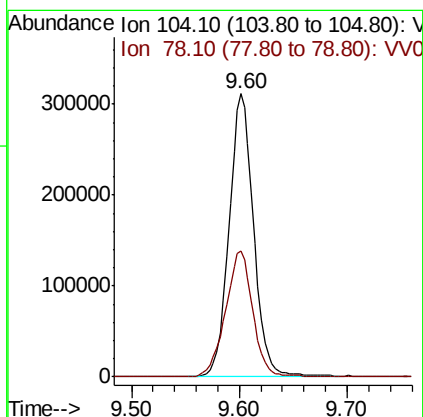
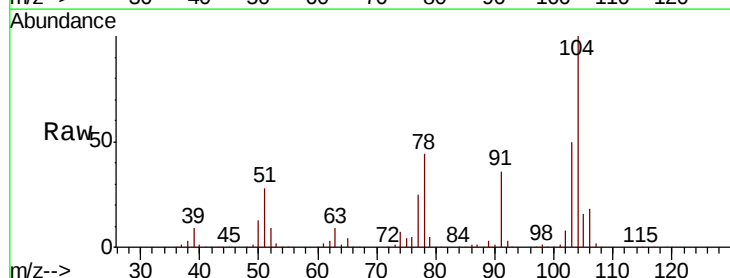
Instrument :
MSVOA_V
ClientSampleId :
VSTD01036

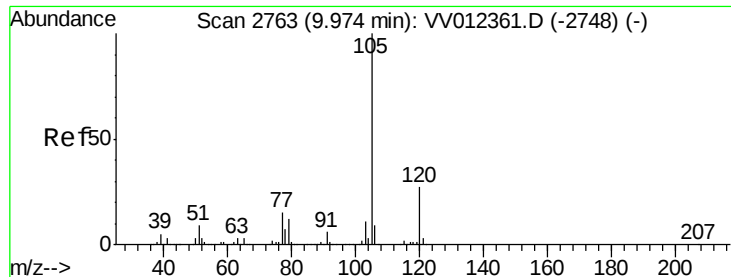
Tgt Ion:106 Resp: 287203
Ion Ratio Lower Upper
106 100
91 215.9 149.5 277.7



#55
Styrene
Concen: 8.618 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. 0.00 min
Lab File: VV012362.D
Acq: 23 Aug 2019 13:40

Tgt Ion:104 Resp: 495256
Ion Ratio Lower Upper
104 100
78 44.4 29.8 55.3





#56

Isopropylbenzene

Concen: 8.377 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV012362.D

Acq: 23 Aug 2019 13:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD01036

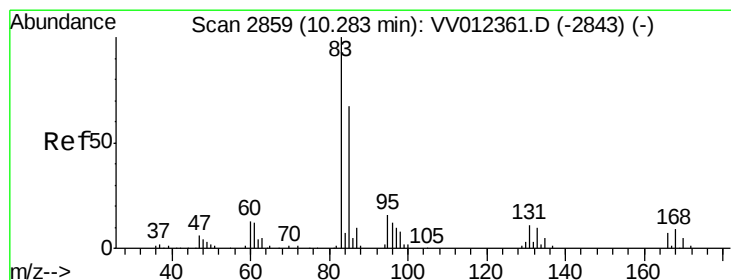
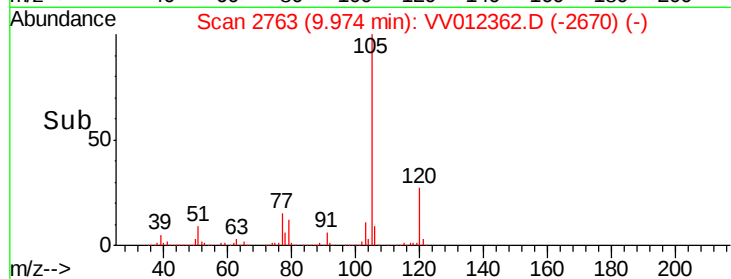
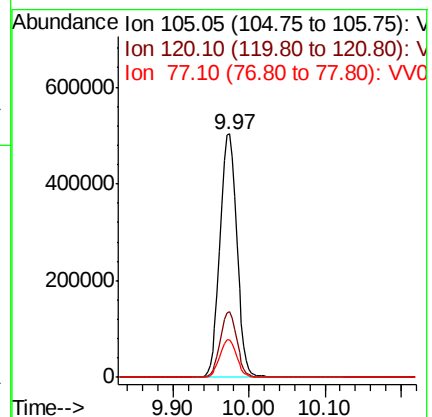
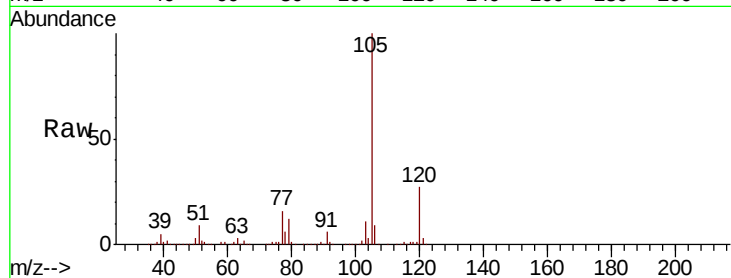
Tgt Ion: 105 Resp: 773370

Ion Ratio Lower Upper

105 100

120 26.5 21.5 32.3

77 15.5 12.5 18.7



#58

1,1,2,2-Tetrachloroethane

Concen: 7.931 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV012362.D

Acq: 23 Aug 2019 13:40

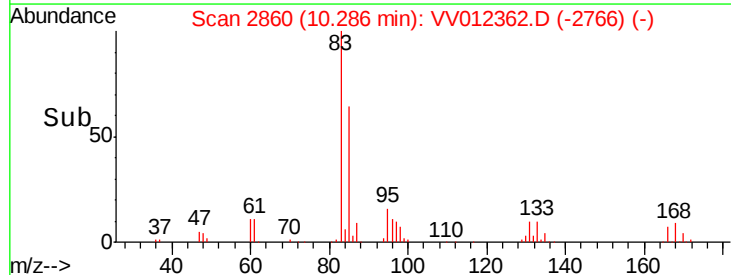
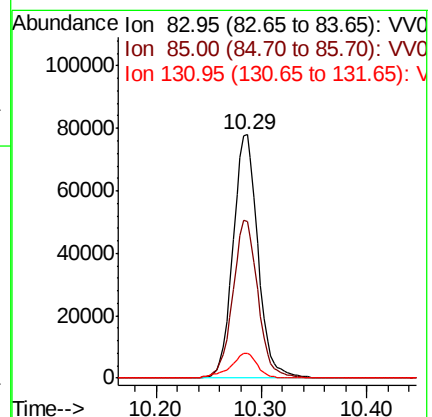
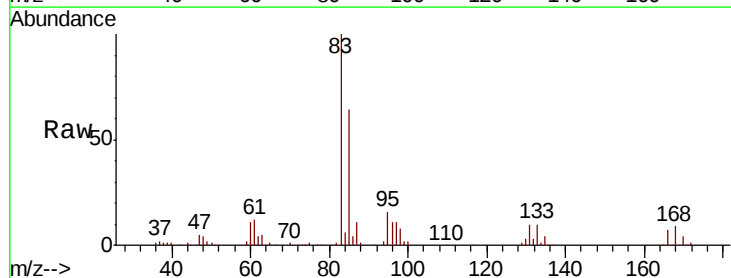
Tgt Ion: 83 Resp: 127017

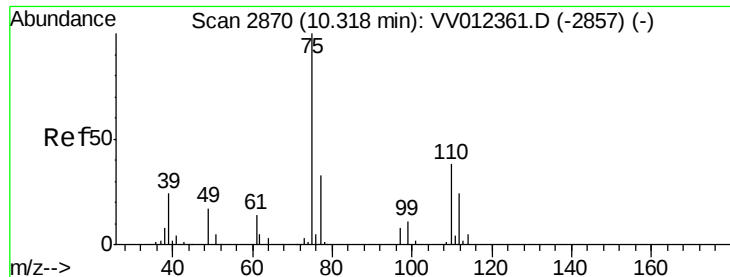
Ion Ratio Lower Upper

83 100

85 64.5 46.5 86.5

131 10.3 8.9 13.3





#59

1,2,3-Trichloropropane

Concen: 7.873 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VV012362.D

Acq: 23 Aug 2019 13:40

Instrument :

MSVOA_V

ClientSampleId :

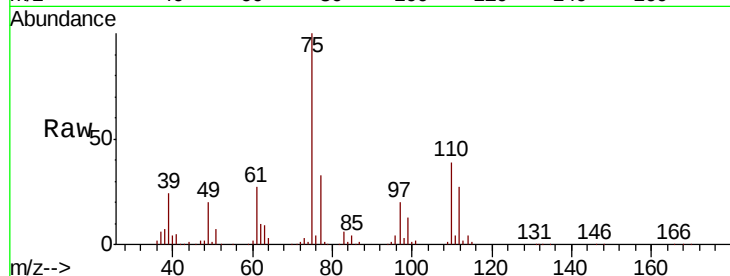
VSTD01036

Tgt Ion: 75 Resp: 93185

Ion Ratio Lower Upper

75 100

77 32.7 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV012361.D (-2857) (-)

Ion 77.00 (76.70 to 77.70): VV012361.D (-2857) (-)

60000

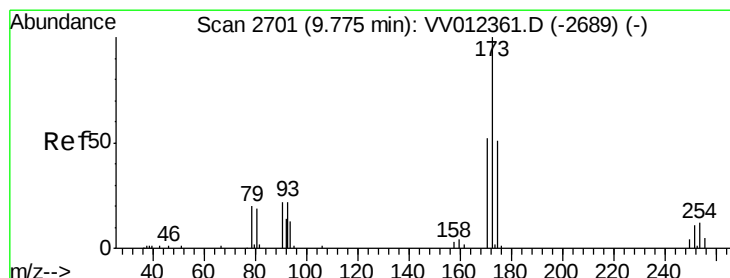
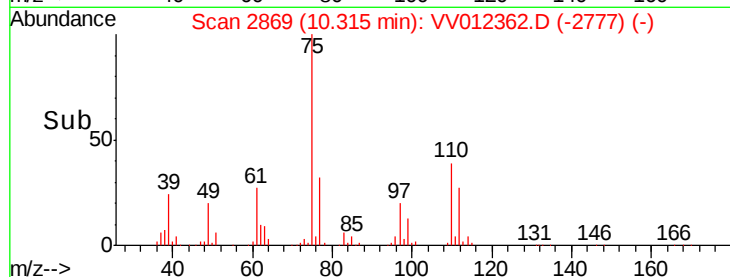
40000

20000

0

10.25 10.30 10.35 10.40

Time-->



#61

Bromoform

Concen: 8.387 ug/L

RT: 9.78 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV012362.D

Acq: 23 Aug 2019 13:40

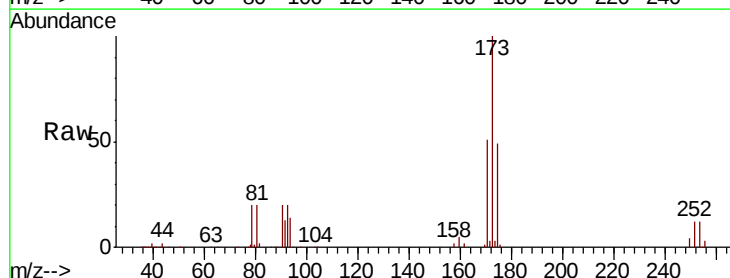
Tgt Ion: 173 Resp: 76285

Ion Ratio Lower Upper

173 100

175 49.0 40.7 61.1

254 11.8 9.5 14.3



Abundance Ion 172.90 (172.60 to 173.60): VV012361.D (-2689) (-)

Ion 174.90 (174.60 to 175.60): VV012361.D (-2689) (-)

Ion 253.75 (253.45 to 254.45): VV012361.D (-2689) (-)

60000

50000

40000

30000

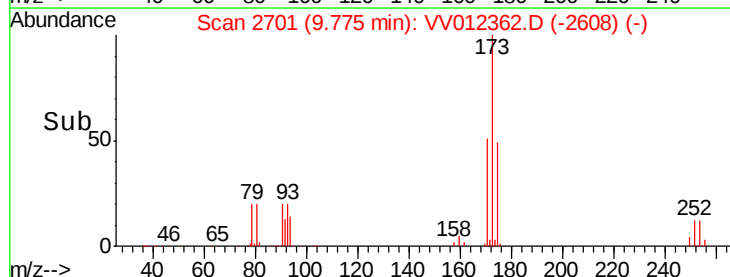
20000

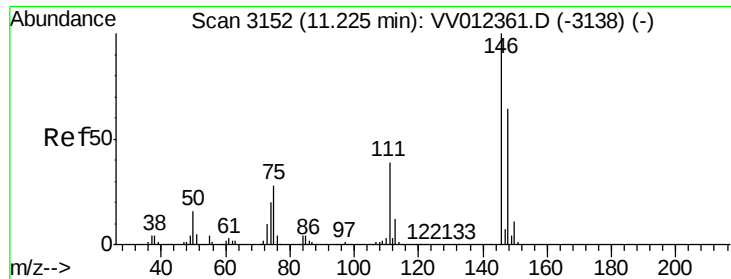
10000

0

9.70 9.75 9.80 9.85

Time-->





#62

1,3-Dichlorobenzene

Concen: 7.735 ug/L

RT: 11.23 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV012362.D

Acq: 23 Aug 2019 13:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD01036

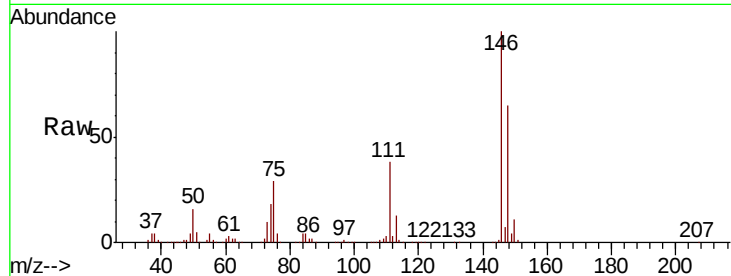
Tgt Ion:146 Resp: 362406

Ion Ratio Lower Upper

146 100

111 38.5 27.0 50.2

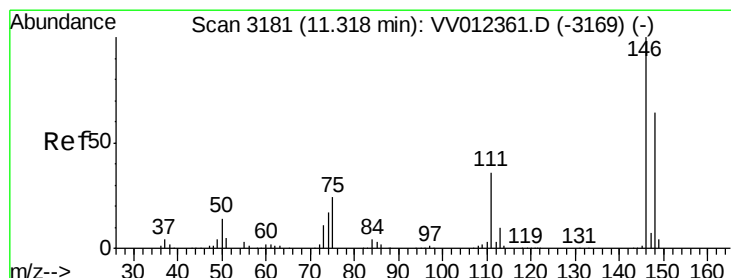
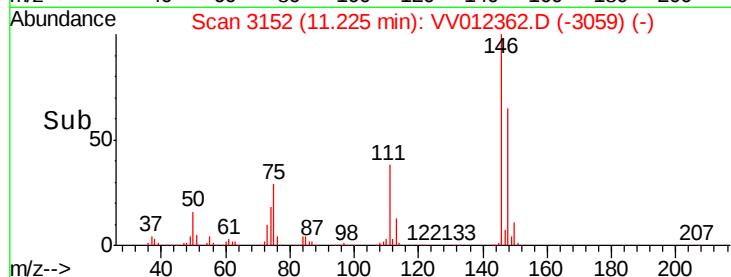
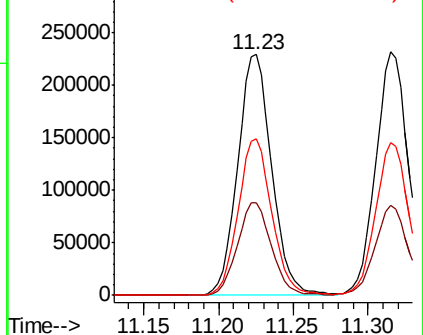
148 65.3 44.7 83.1



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 7.644 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. -0.00 min

Lab File: VV012362.D

Acq: 23 Aug 2019 13:40

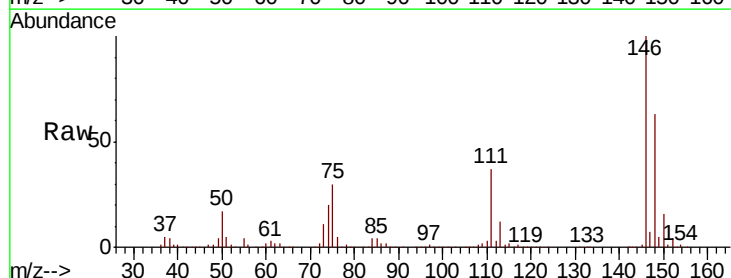
Tgt Ion:146 Resp: 357060

Ion Ratio Lower Upper

146 100

111 37.0 25.7 47.7

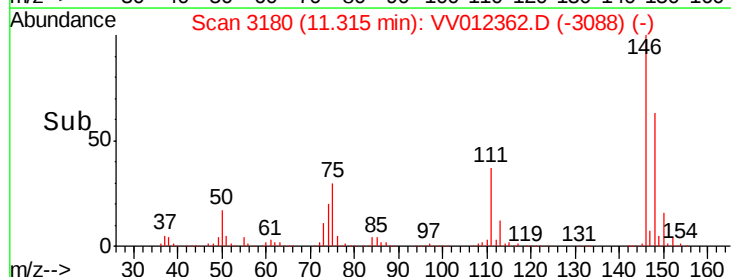
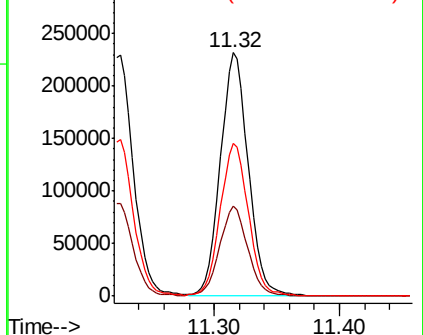
148 62.6 45.0 83.6

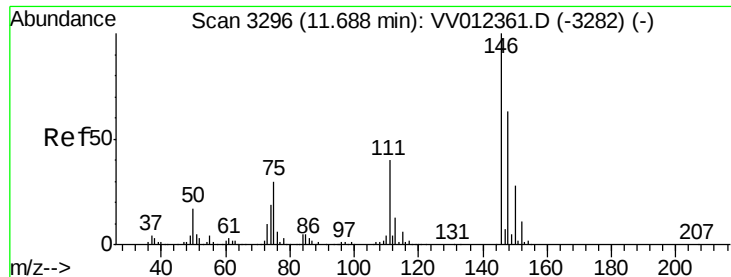


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

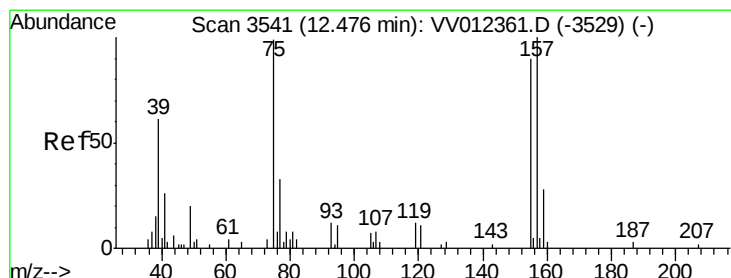
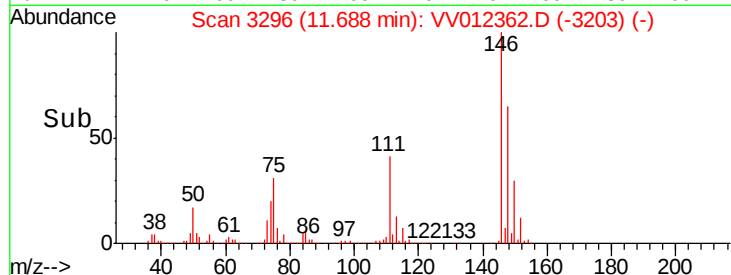
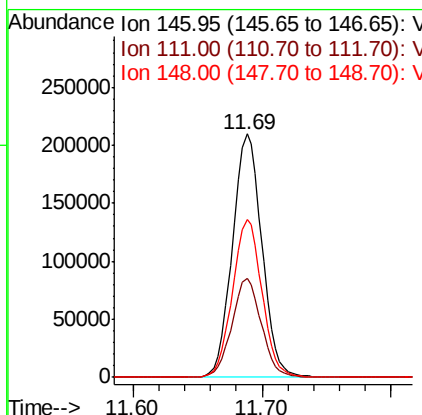
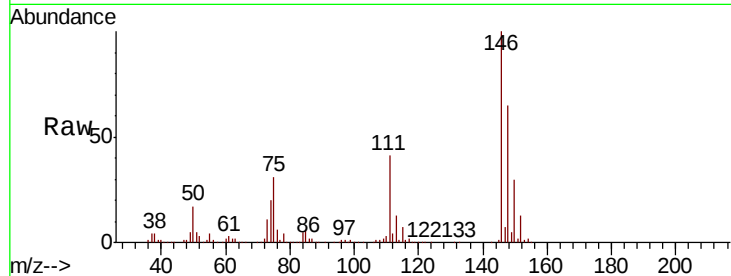




#65
 1,2-Dichlorobenzene
 Concen: 7.731 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. 0.00 min
 Lab File: VV012362.D
 Acq: 23 Aug 2019 13:40

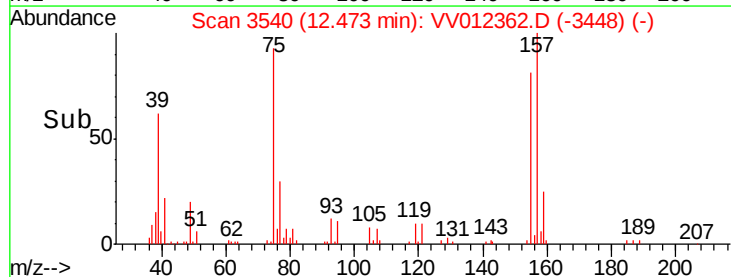
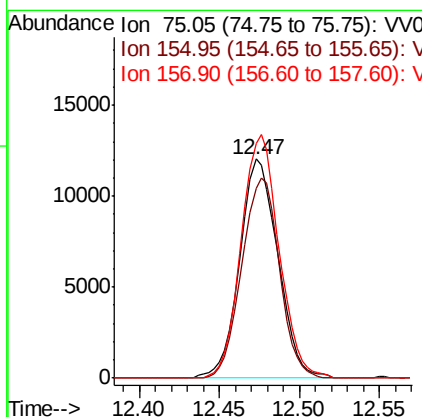
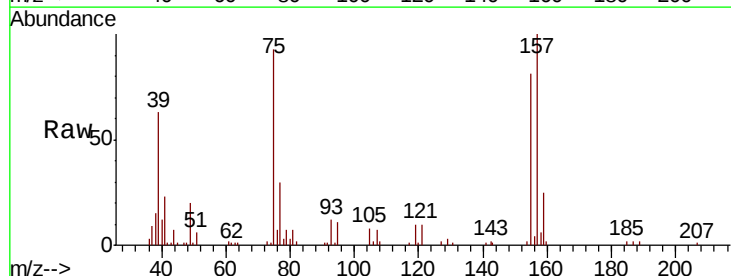
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD01036

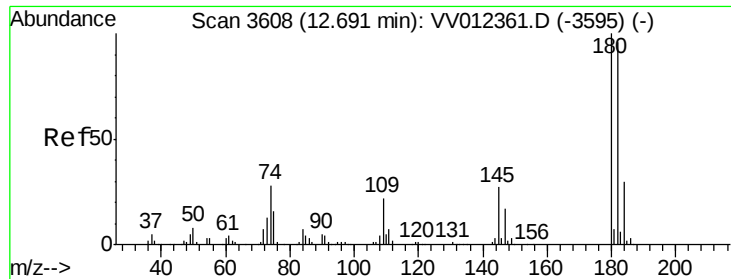
Tgt Ion: 146 Resp: 332604
 Ion Ratio Lower Upper
 146 100
 111 40.5 31.9 47.9
 148 64.8 50.2 75.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 7.203 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. -0.00 min
 Lab File: VV012362.D
 Acq: 23 Aug 2019 13:40

Tgt Ion: 75 Resp: 19619
 Ion Ratio Lower Upper
 75 100
 155 86.4 72.6 109.0
 157 107.0 80.5 120.7

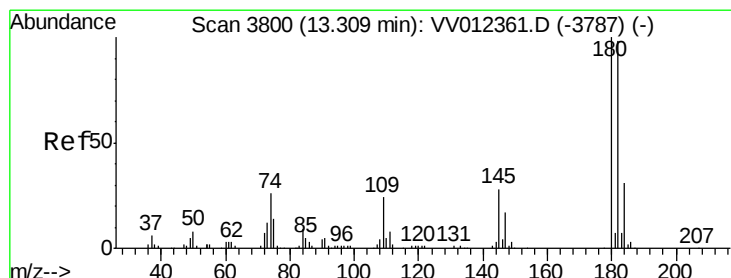
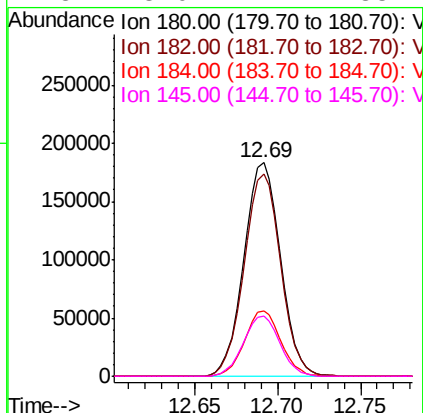
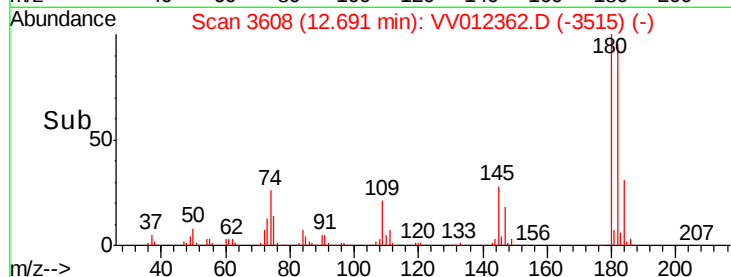
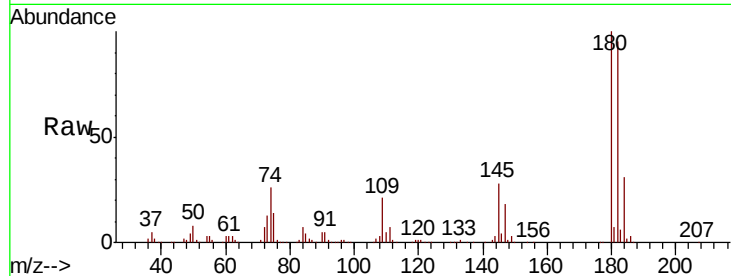




#67
 1,3,5-Trichlorobenzene
 Concen: 7.946 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV012362.D
 Acq: 23 Aug 2019 13:40

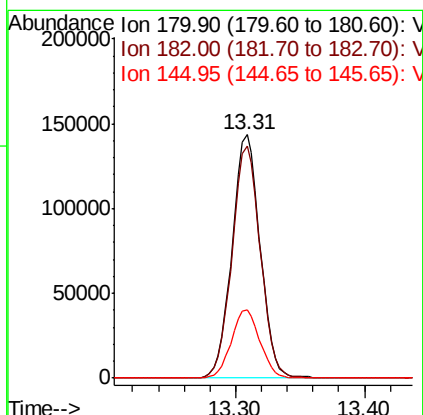
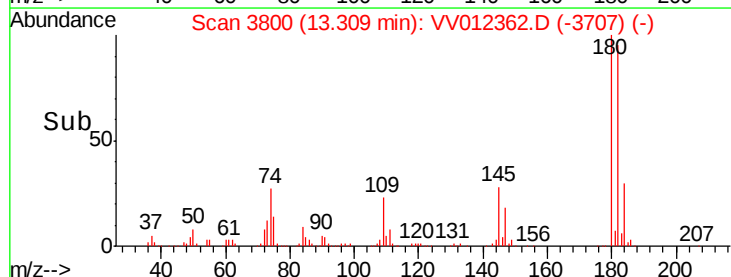
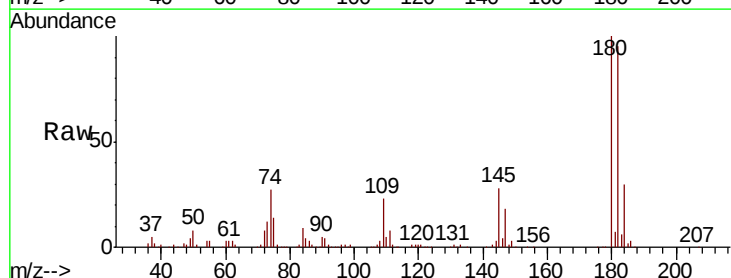
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01036

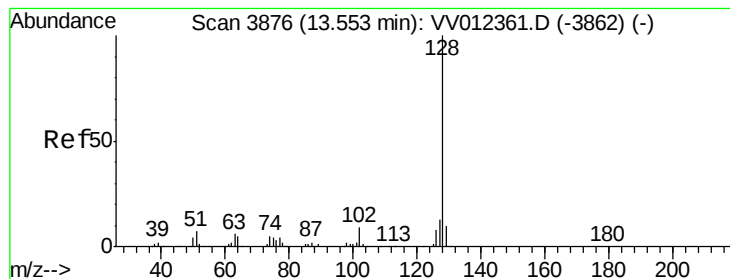
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.4	114.6
184	30.3	23.9	35.9
145	28.0	22.1	33.1



#68
 1,2,4-trichlorobenzene
 Concen: 8.288 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV012362.D
 Acq: 23 Aug 2019 13:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	77.3	115.9
145	28.7	22.6	34.0





#69

Naphthalene

Concen: 8.641 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV012362.D

Acq: 23 Aug 2019 13:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD01036

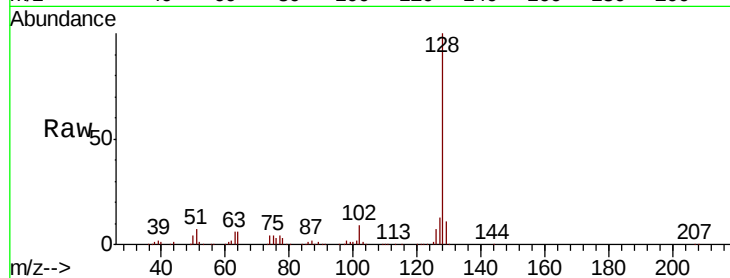
Tgt Ion:128 Resp: 319573

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

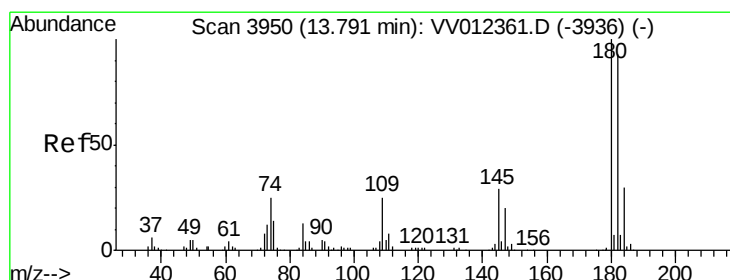
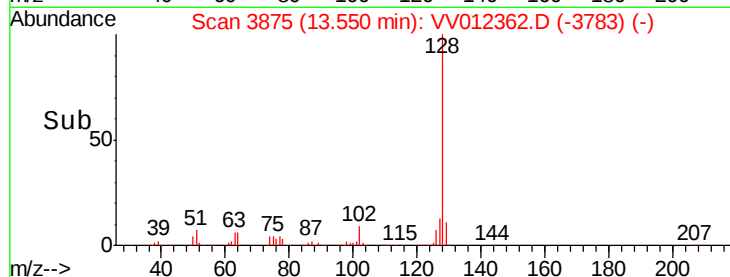
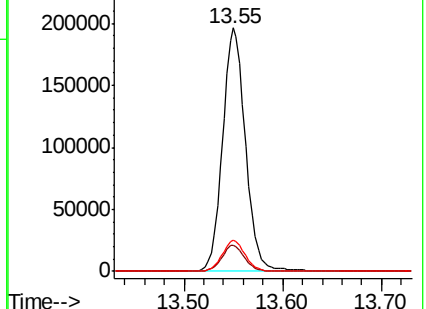
127 12.7 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 8.268 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV012362.D

Acq: 23 Aug 2019 13:40

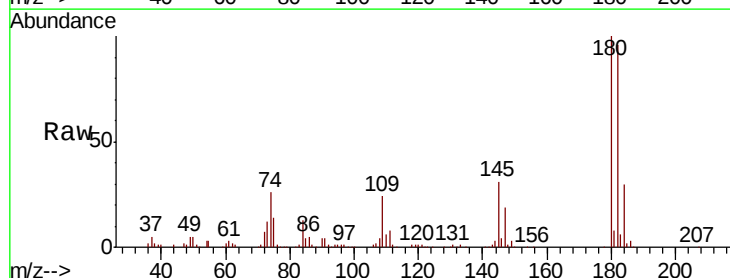
Tgt Ion:180 Resp: 203393

Ion Ratio Lower Upper

180 100

182 96.4 75.1 112.7

145 30.9 23.4 35.2



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

