

Data File : VV011951.D
Acq On : 22 Jul 2019 16:26
Operator : SY/MD
Sample : VSTD01034
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD01034

Quant Time: Jul 23 06:55:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jul 23 06:51:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	141671	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	136058	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	72882	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	72929	7.36	ug/L	0.00
7) Chloroethane-d5	1.59	69	58239	7.18	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	153338	9.17	ug/L	0.00
20) 2-Butanone-d5	3.96	46	233500	91.32	ug/L	0.00
24) Chloroform-d	4.40	84	194253	9.39	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	102802	9.69	ug/L	0.00
32) Benzene-d6	5.10	84	390852	9.91	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	111246	9.31	ug/L	0.00
41) Toluene-d8	7.36	98	370551	10.28	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	46626	10.39	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	194689	108.29	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	79639	10.46	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	140869	9.61	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	150510	10.277 ug/L	100
3) Chloromethane	1.25	50	87498	6.737 ug/L	98
5) Vinyl chloride	1.32	62	91200	7.237 ug/L	97
6) Bromomethane	1.54	94	55167	7.449 ug/L	98
8) Chloroethane	1.60	64	50944	7.117 ug/L	97
9) Trichlorofluoromethane	1.77	101	166986	9.878 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	73364	9.179 ug/L	99
12) 1,1-Dichloroethene	2.14	96	67817	9.224 ug/L	98
13) Acetone	2.23	43	112706	85.791 ug/L	99
14) Carbon disulfide	2.32	76	190032	9.055 ug/L	100
15) Methyl Acetate	2.47	43	23289	8.608 ug/L	93
16) Methylene chloride	2.54	84	66283	8.532 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	233780	10.267 ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	105112	9.977 ug/L	99
19) 1,1-Dichloroethane	3.23	63	186008	9.423 ug/L	97
21) 2-Butanone	4.05	43	244437	96.025 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	112286	10.216 ug/L	98
23) Bromochloromethane	4.30	128	47517	10.556 ug/L	98
25) Chloroform	4.43	83	211605	9.778 ug/L	97
27) 1,2-Dichloroethane	5.18	62	126280	10.029 ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	185854	10.978 ug/L	99
30) Cyclohexane	4.72	56	174144	9.994 ug/L	97
31) Carbon tetrachloride	4.87	117	167512	11.228 ug/L	99
33) Benzene	5.15	78	420514	9.972 ug/L	100
34) Trichloroethene	5.96	95	115316	9.822 ug/L	99
35) Methylcyclohexane	6.18	83	185791	10.417 ug/L	97
37) 1,2-Dichloropropane	6.22	63	99209	9.824 ug/L	99
38) Bromodichloromethane	6.56	83	133197	10.394 ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	158725	11.160 ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	595773	98.556 ug/L	100

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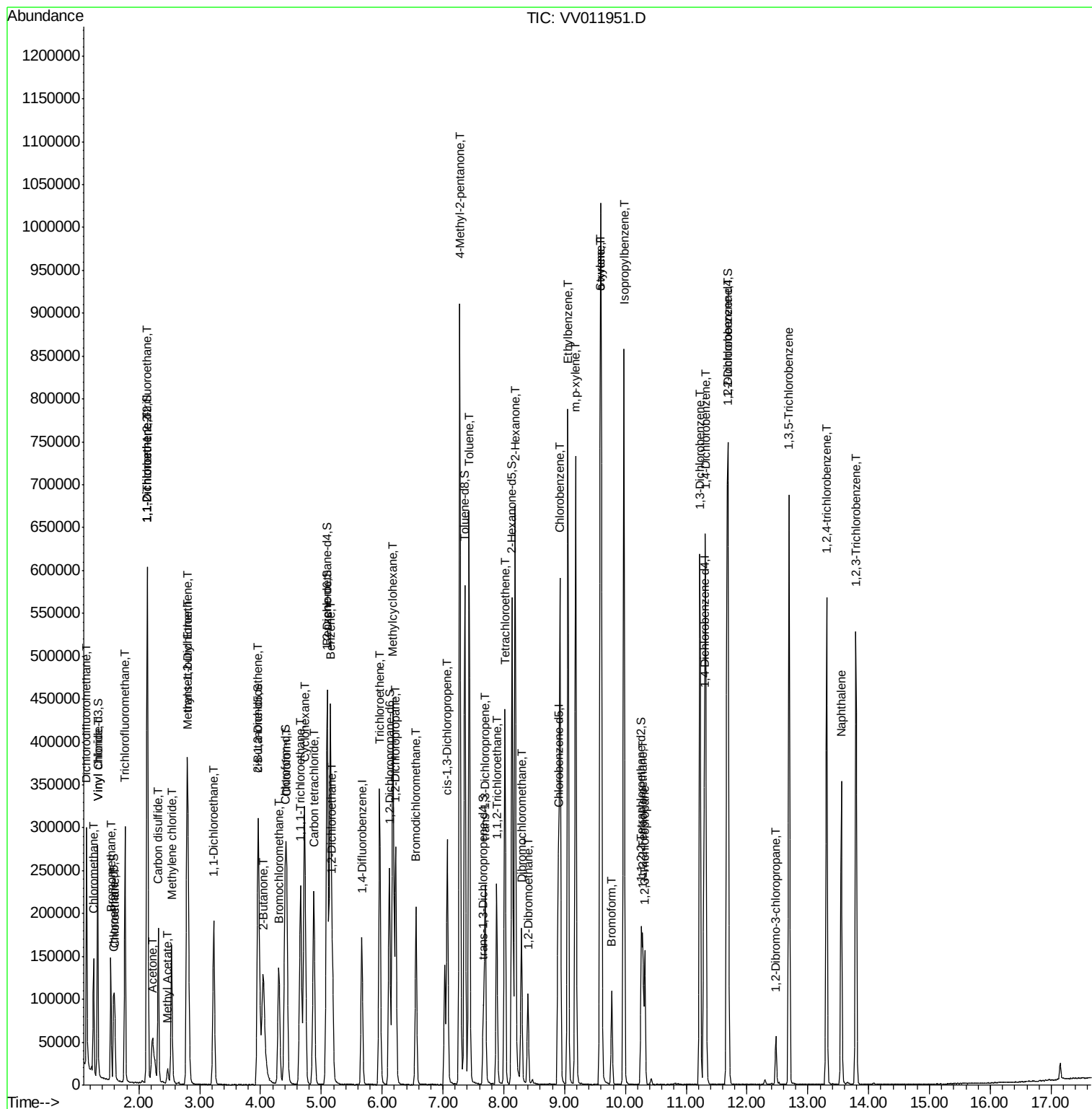
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	463160	10.441	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	124276	10.970	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	68899	9.846	ug/L	99
47) Tetrachloroethene	8.02	164	97955	11.009	ug/L	98
48) 2-Hexanone	8.19	43	419294	97.145	ug/L	99
49) Dibromochloromethane	8.29	129	88394	11.382	ug/L	97
50) 1,2-Dibromoethane	8.40	107	67565	10.484	ug/L	97
51) Chlorobenzene	8.93	112	295133	10.441	ug/L	100
52) Ethylbenzene	9.05	91	531592	10.801	ug/L	100
53) m,p-xylene	9.18	106	203934	11.075	ug/L	99
54) o-xylene	9.59	106	192510	11.249	ug/L	96
55) Styrene	9.60	104	328498	11.275	ug/L	97
56) Isopropylbenzene	9.97	105	535440	11.299	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	74605	11.002	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	59901	9.765	ug/L	100
61) Bromoform	9.77	173	48682	11.503	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	246291	10.343	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	251529	10.298	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	229980	10.370	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	13358	10.639	ug/L	93
67) 1,3,5-Trichlorobenzene	12.69	180	205326	10.924	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	170749	11.462	ug/L	99
69) Naphthalene	13.55	128	267415	11.707	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	154543	11.455	ug/L	99

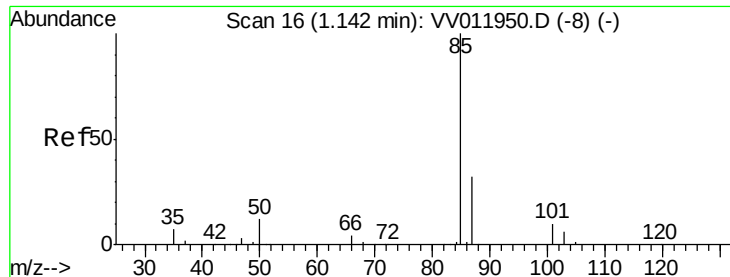
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 10.277 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV011951.D

Acq: 22 Jul 2019 16:26

Instrument :

MSVOA_V

ClientSampleId :

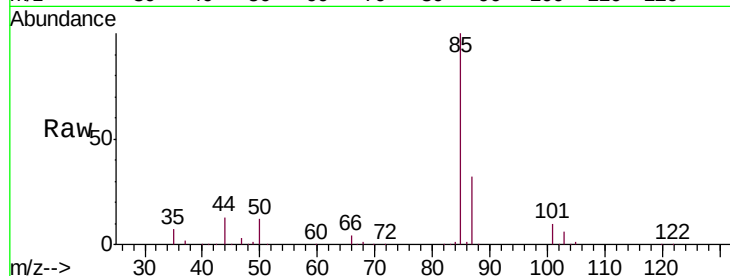
VSTD01034

Tgt Ion: 85 Resp: 150510

Ion Ratio Lower Upper

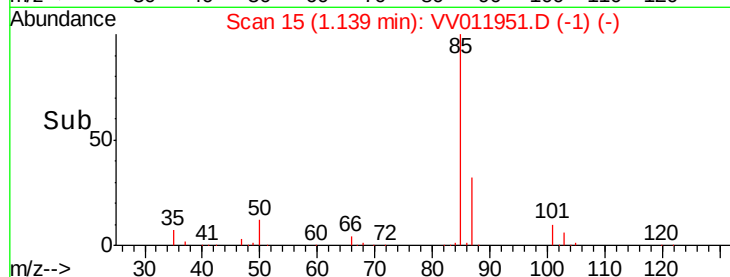
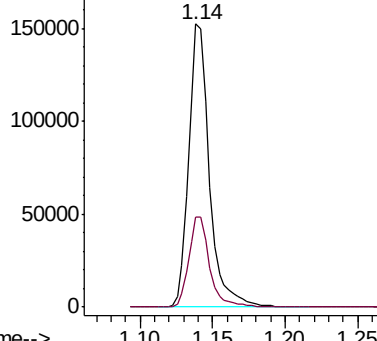
85 100

87 31.9 25.6 38.4

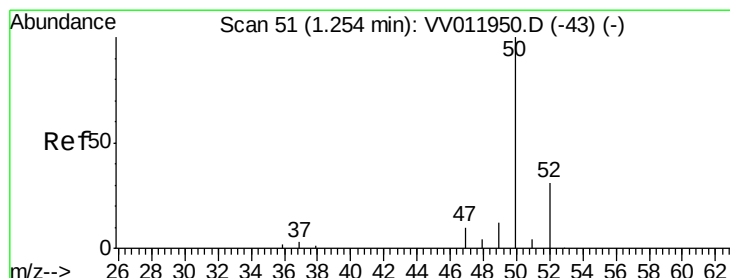


Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



Time-->



#3

Chloromethane

Concen: 6.737 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV011951.D

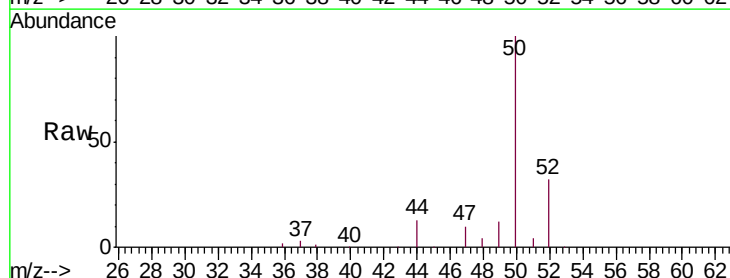
Acq: 22 Jul 2019 16:26

Tgt Ion: 50 Resp: 87498

Ion Ratio Lower Upper

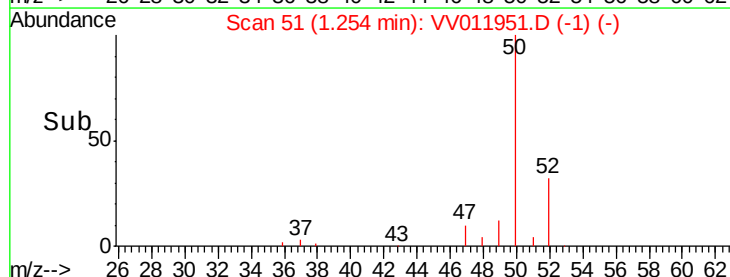
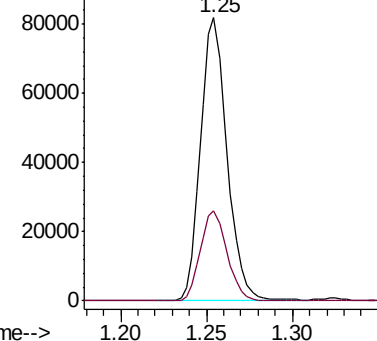
50 100

52 31.8 21.6 40.2

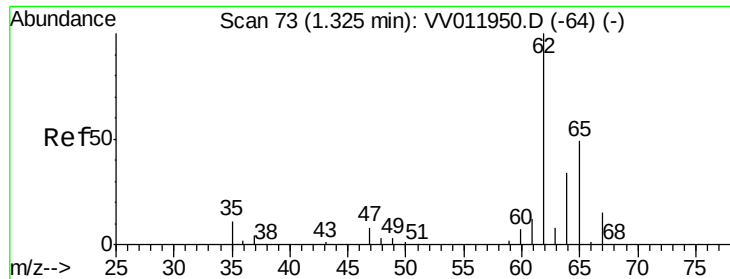


Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



Time-->



#5

Vinyl chloride

Concen: 7.237 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV011951.D

Acq: 22 Jul 2019 16:26

Instrument :

MSVOA_V

ClientSampleId :

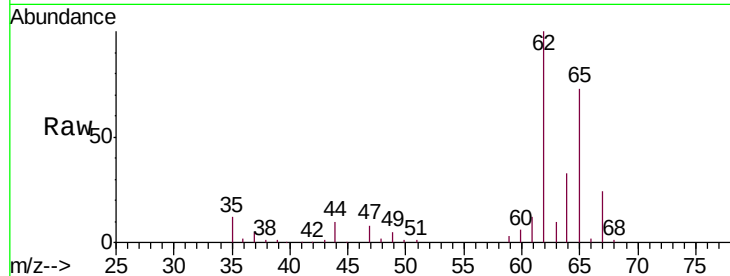
VSTD01034

Tgt Ion: 62 Resp: 91200

Ion Ratio Lower Upper

62 100

64 32.9 24.3 45.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

100000

80000

60000

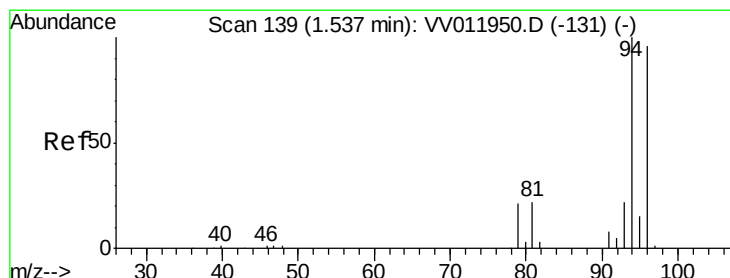
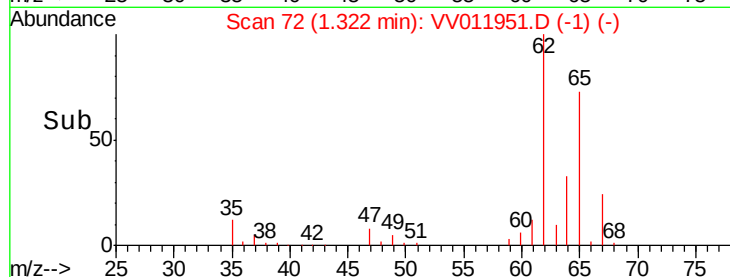
40000

20000

0

Time-->

1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 7.449 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV011951.D

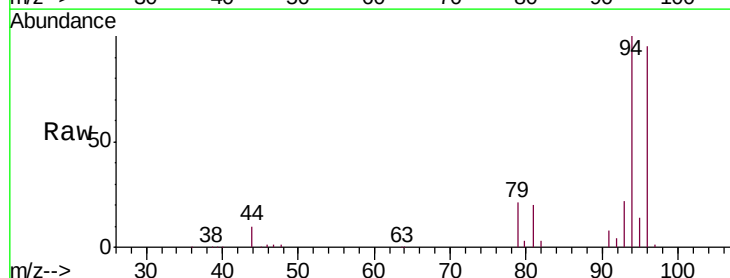
Acq: 22 Jul 2019 16:26

Tgt Ion: 94 Resp: 55167

Ion Ratio Lower Upper

94 100

96 94.7 67.3 125.1



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.54

50000

40000

30000

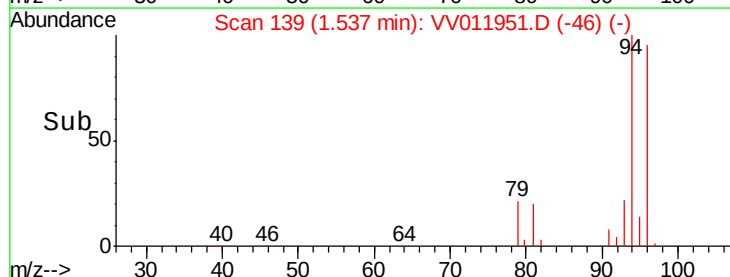
20000

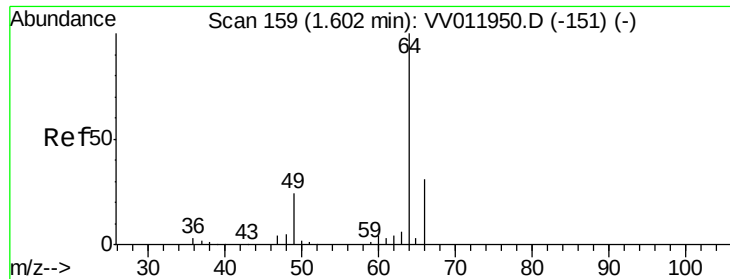
10000

0

Time-->

1.50 1.55 1.60 1.65





#8

Chloroethane

Concen: 7.117 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV011951.D

Acq: 22 Jul 2019 16:26

Instrument :

MSVOA_V

ClientSampleId :

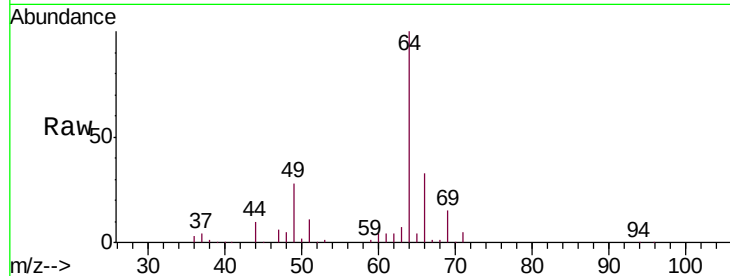
VSTD01034

Tgt Ion: 64 Resp: 50944

Ion Ratio Lower Upper

64 100

66 32.7 21.8 40.6



Abundance Ion 64.10 (63.80 to 64.80): VV011951.D (-151) (-)

Ion 66.05 (65.75 to 66.75): VV011951.D (-151) (-)

1.60

40000

30000

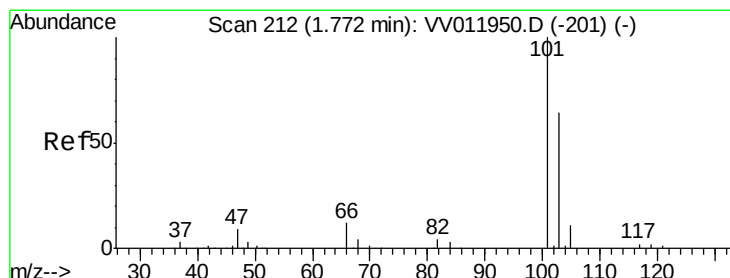
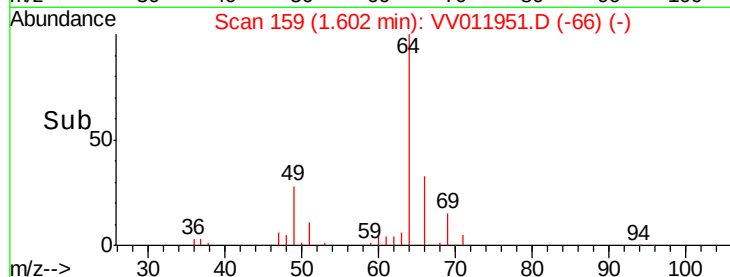
20000

10000

0

1.55 1.60 1.65 1.70

Time-->



#9

Trichlorofluoromethane

Concen: 9.878 ug/L

RT: 1.77 min Scan# 212

Delta R.T. -0.00 min

Lab File: VV011951.D

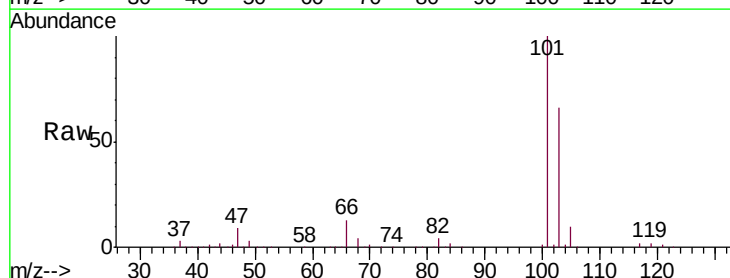
Acq: 22 Jul 2019 16:26

Tgt Ion: 101 Resp: 166986

Ion Ratio Lower Upper

101 100

103 65.2 50.4 75.6



Abundance Ion 101.00 (100.70 to 101.70): VV011951.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV011951.D (-201) (-)

1.77

150000

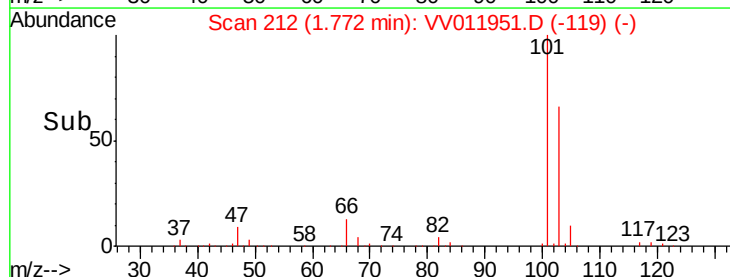
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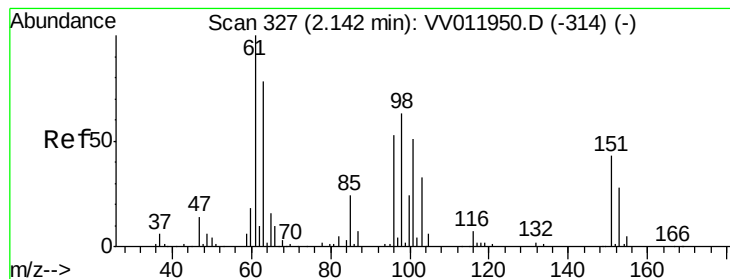
50000

0

1.70 1.75 1.80 1.85

Time-->





#10

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

Concen: 9.179 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV011951.D

Acq: 22 Jul 2019 16:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD01034

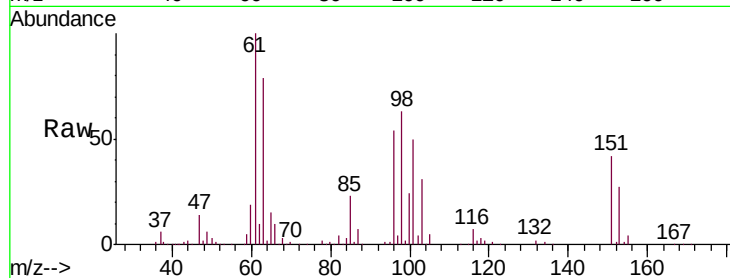
Tgt Ion: 101 Resp: 73364

Ion Ratio Lower Upper

101 100

85 45.7 37.0 55.6

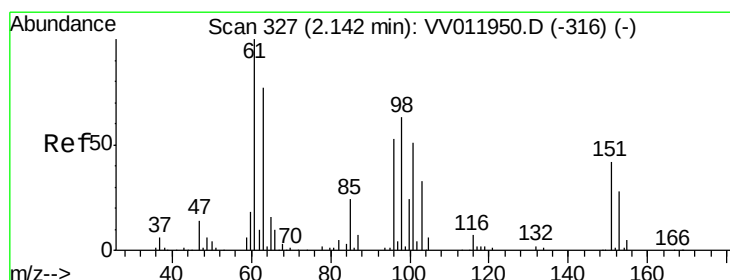
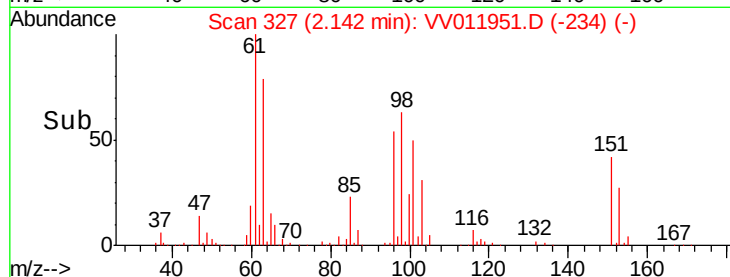
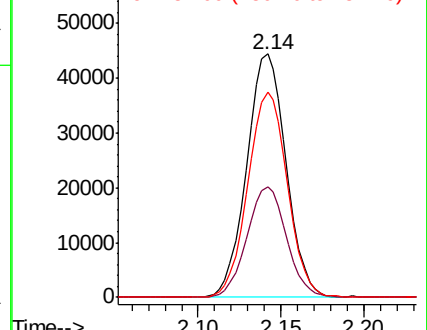
151 84.9 68.3 102.5



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: 9.224 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV011951.D

Acq: 22 Jul 2019 16:26

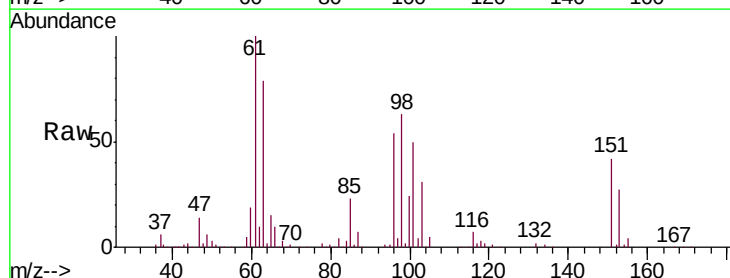
Tgt Ion: 96 Resp: 67817

Ion Ratio Lower Upper

96 100

61 184.8 132.7 246.5

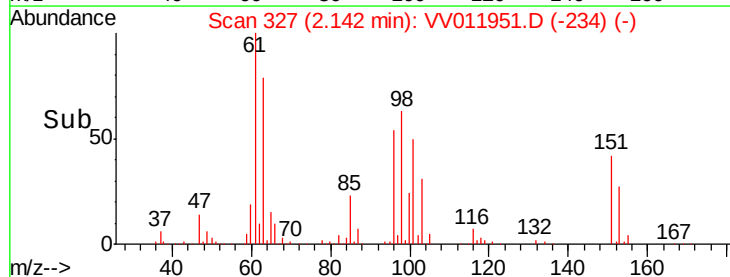
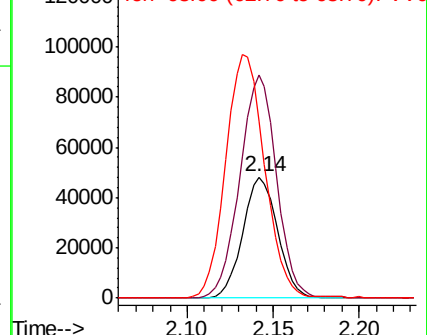
63 146.8 104.0 193.1

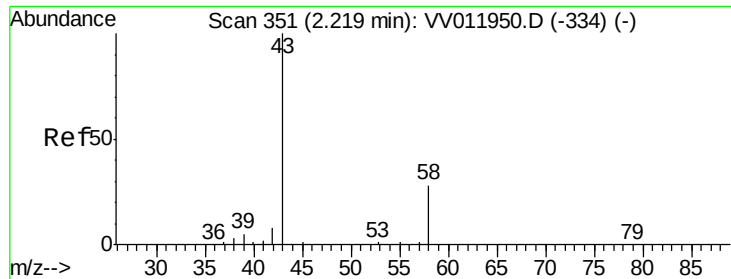


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 85.791 ug/L

RT: 2.23 min Scan# 353

Delta R.T. 0.01 min

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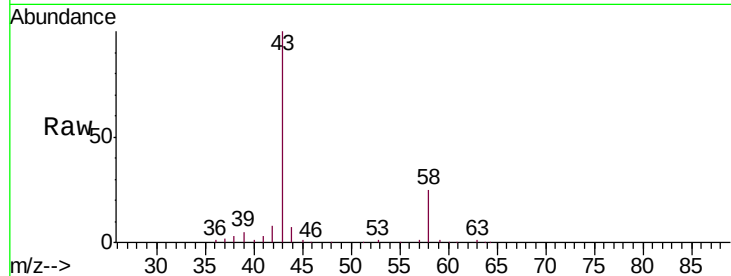
VSTD01034

Tgt Ion: 43 Resp: 112706

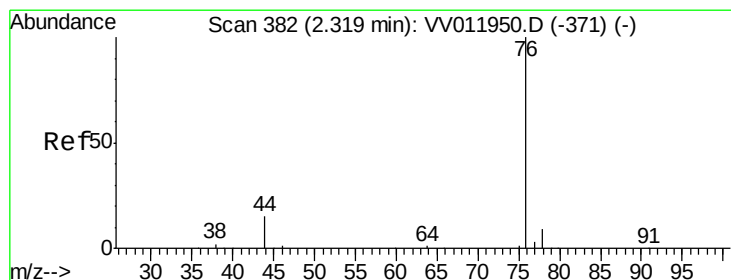
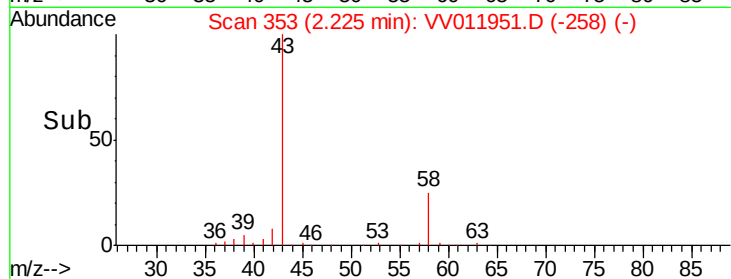
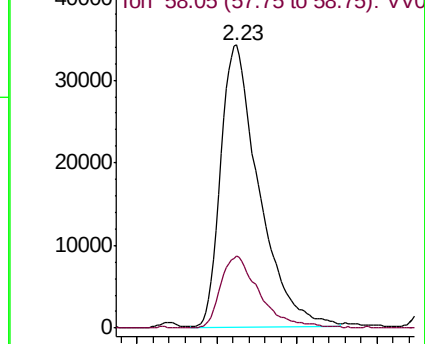
Ion Ratio Lower Upper

43 100

58 25.5 0.0 51.8



Abundance Ion 43.05 (42.75 to 43.75): VV011951.D (-258) (-)



#14

Carbon disulfide

Concen: 9.055 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV011951.D

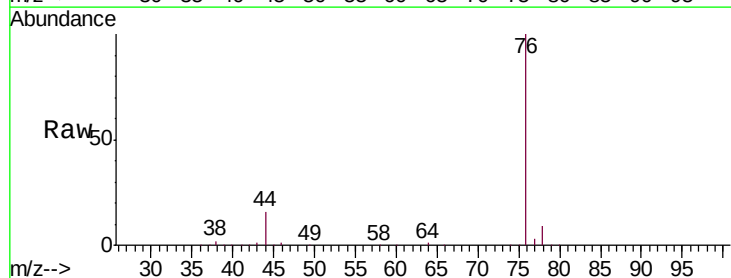
Acq: 22 Jul 2019 16:26

Tgt Ion: 76 Resp: 190032

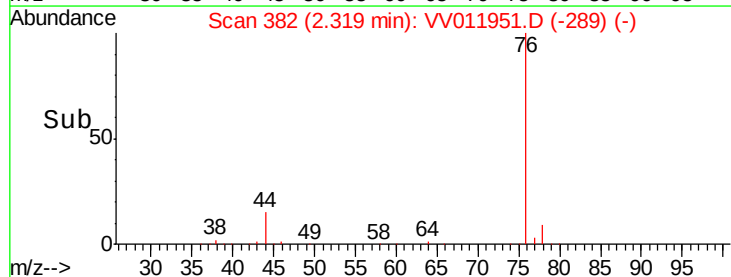
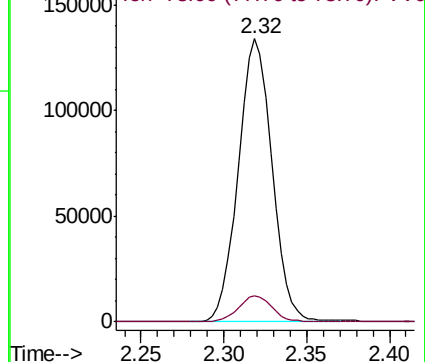
Ion Ratio Lower Upper

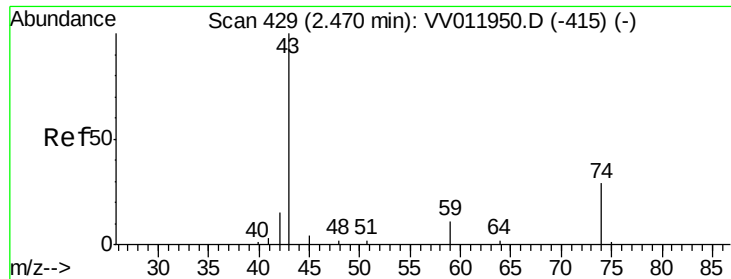
76 100

78 9.2 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VV011951.D (-289) (-)

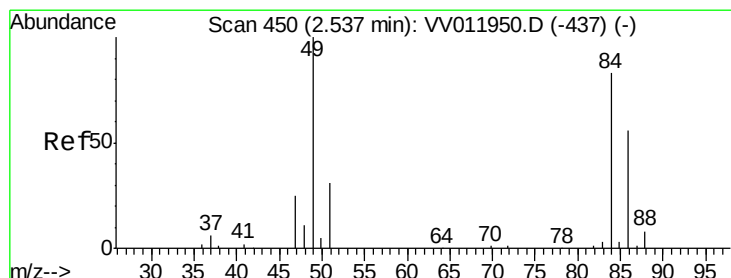
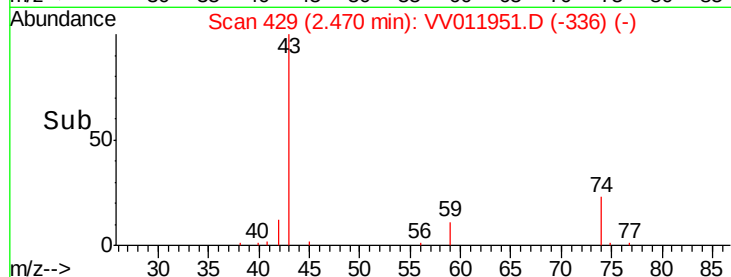
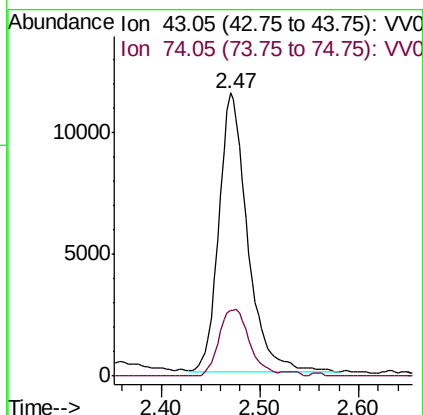
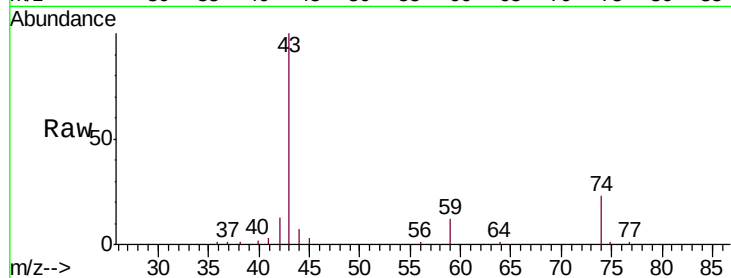




#15
Methyl Acetate
Concen: 8.608 ug/L
RT: 2.47 min Scan# 429
Delta R.T. -0.00 min
Lab File: VV011951.D
Acq: 22 Jul 2019 16:26

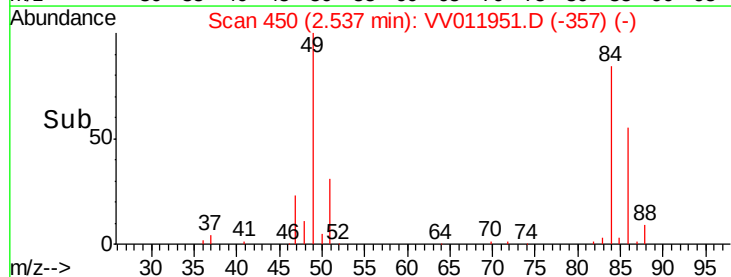
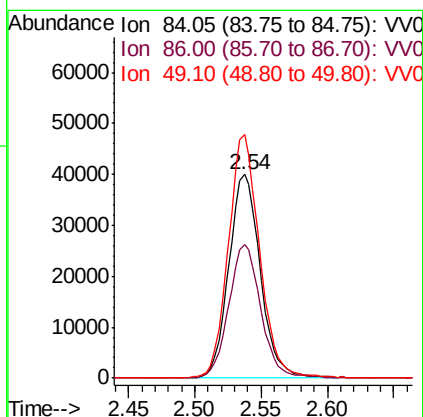
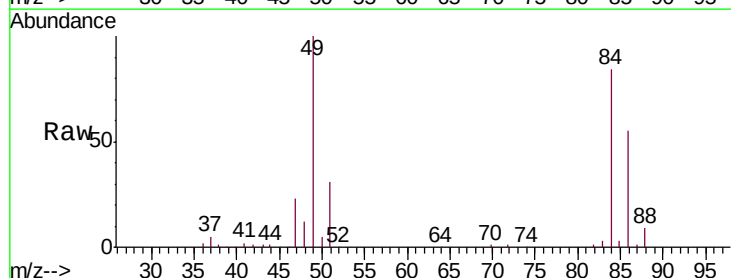
Instrument :
MSVOA_V
ClientSampleId :
VSTD01034

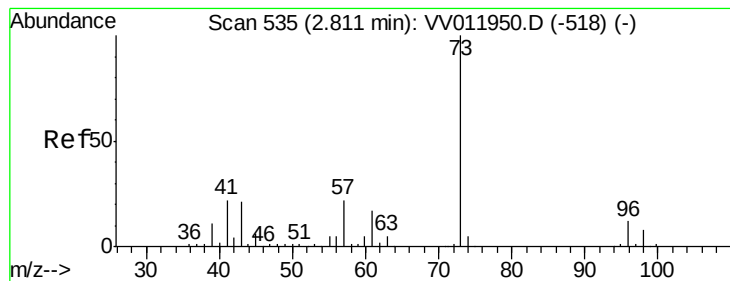
Tgt Ion: 43 Resp: 23289
Ion Ratio Lower Upper
43 100
74 25.5 23.4 35.2



#16
Methylene chloride
Concen: 8.532 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV011951.D
Acq: 22 Jul 2019 16:26

Tgt Ion: 84 Resp: 66283
Ion Ratio Lower Upper
84 100
86 65.6 47.6 88.4
49 119.6 84.3 156.5





#17

Methyl tert-butyl Ether

Concen: 10.267 ug/L

RT: 2.81 min Scan# 535

Delta R.T. -0.00 min

Lab File: VV011951.D

Acq: 22 Jul 2019 16:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD01034

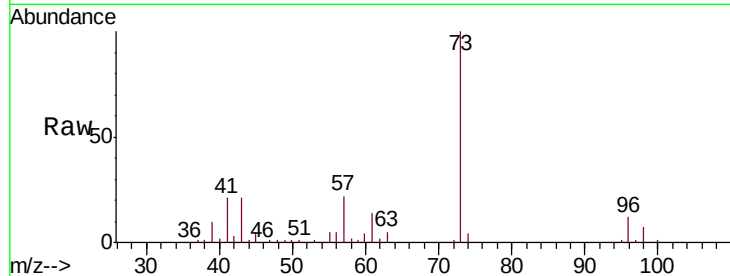
Tgt Ion: 73 Resp: 233780

Ion Ratio Lower Upper

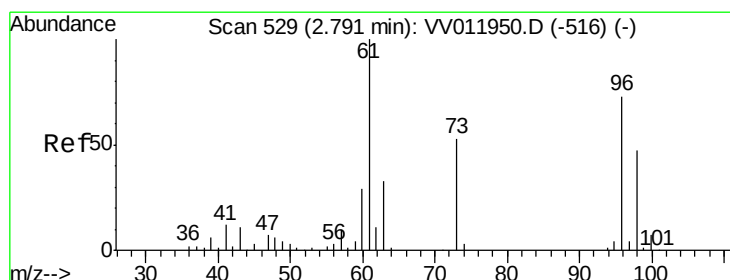
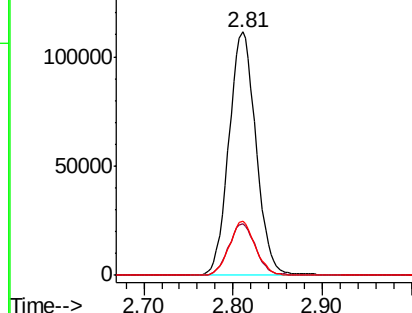
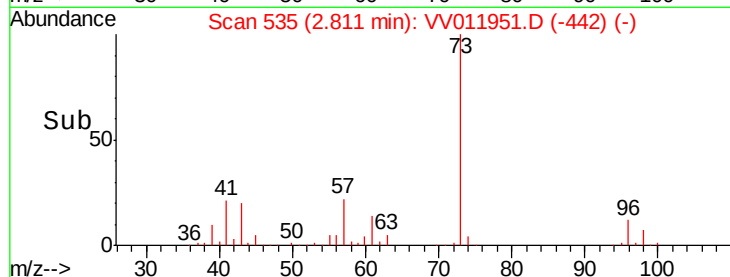
73 100

43 21.2 17.0 25.4

57 21.4 17.0 25.6



Abundance Ion 73.10 (72.80 to 73.80): VV0
150000
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0



#18

trans-1,2-Dichloroethene

Concen: 9.977 ug/L

RT: 2.79 min Scan# 529

Delta R.T. -0.00 min

Lab File: VV011951.D

Acq: 22 Jul 2019 16:26

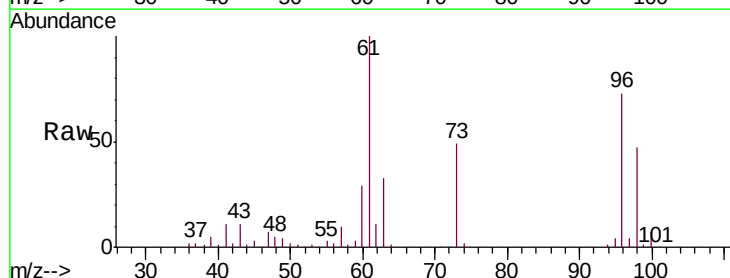
Tgt Ion: 96 Resp: 105112

Ion Ratio Lower Upper

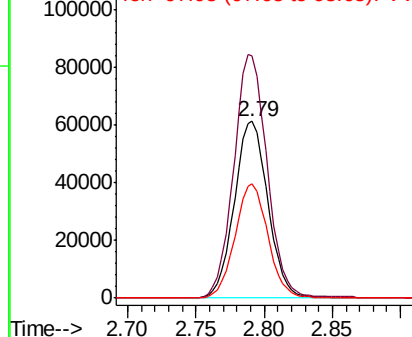
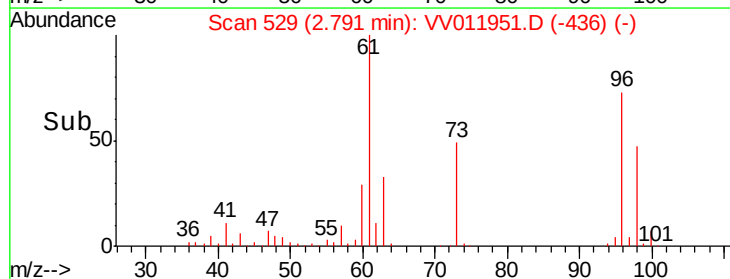
96 100

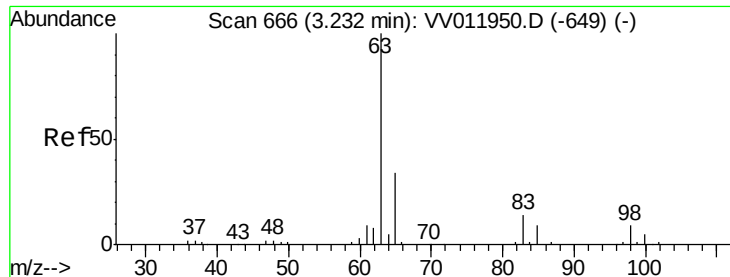
61 137.0 95.4 177.2

98 64.6 44.4 82.5



Abundance Ion 96.00 (95.70 to 96.70): VV0
100000
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0

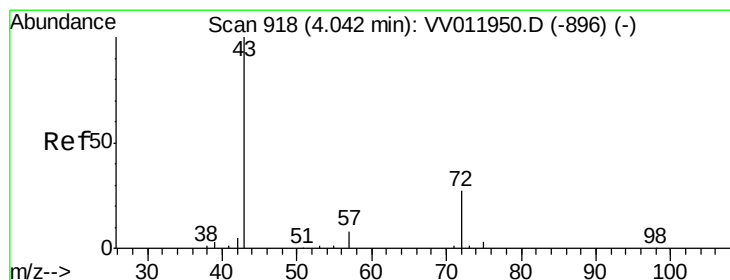
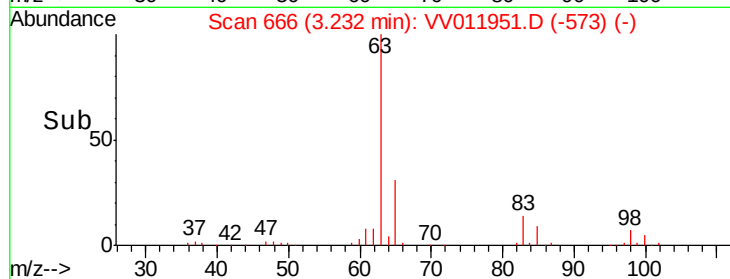
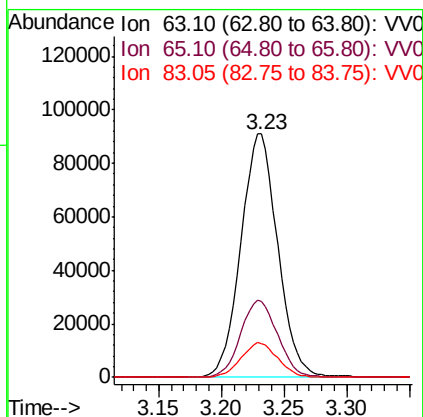
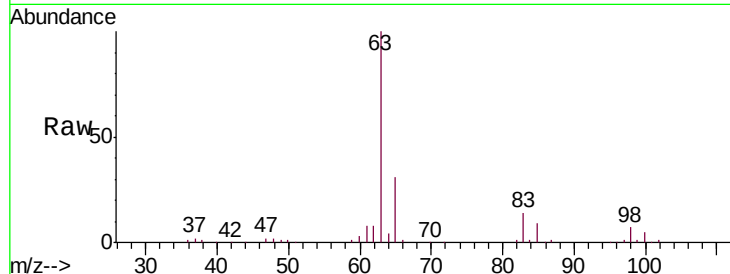




#19
 1,1-Dichloroethane
 Concen: 9.423 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VV011951.D
 Acq: 22 Jul 2019 16:26

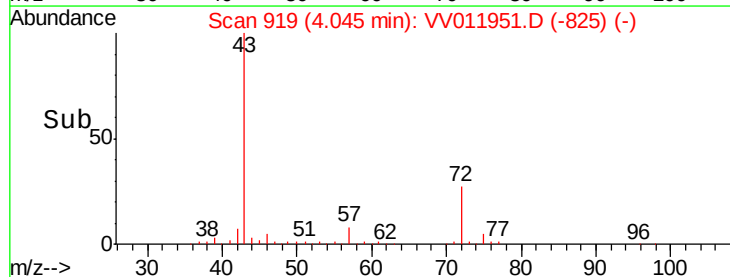
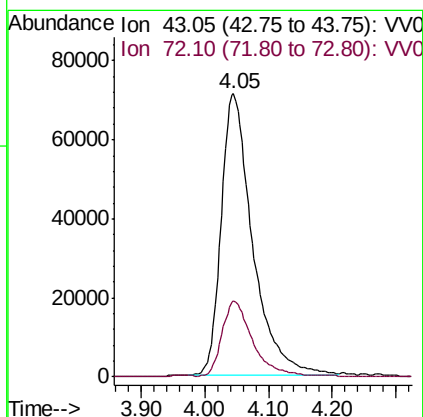
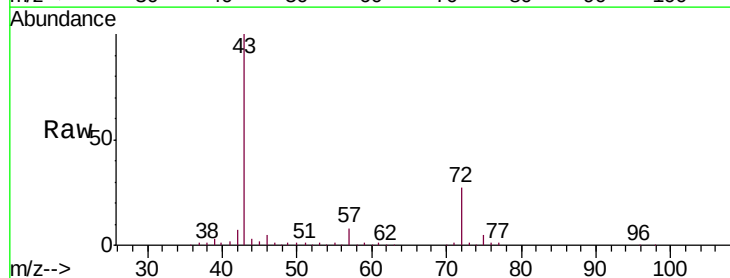
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01034

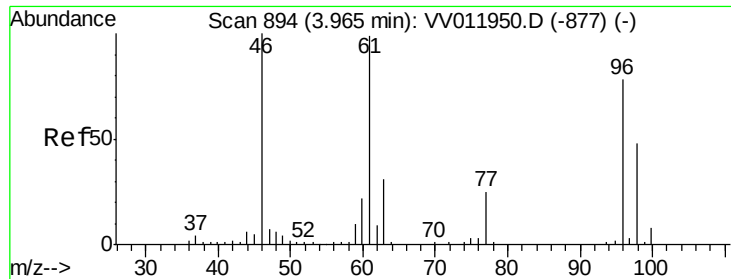
Tgt Ion: 63 Resp: 186008
 Ion Ratio Lower Upper
 63 100
 65 31.4 23.5 43.7
 83 14.1 9.7 18.1



#21
 2-Butanone
 Concen: 96.025 ug/L
 RT: 4.05 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VV011951.D
 Acq: 22 Jul 2019 16:26

Tgt Ion: 43 Resp: 244437
 Ion Ratio Lower Upper
 43 100
 72 26.1 13.6 40.8

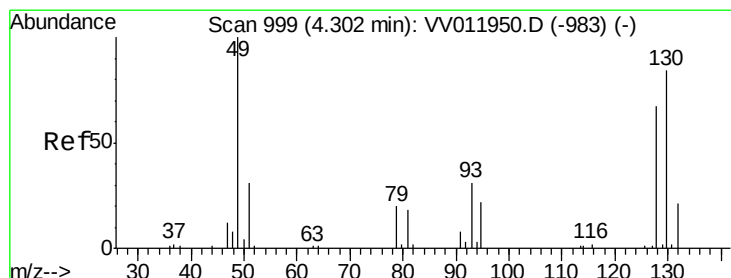
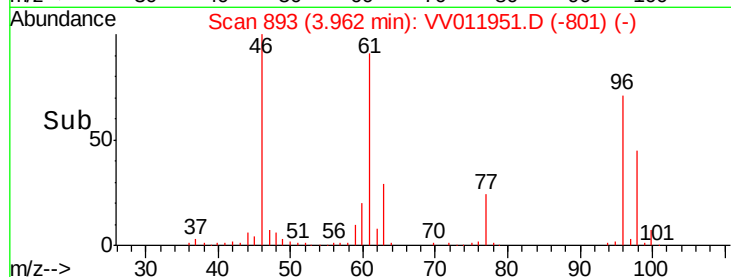
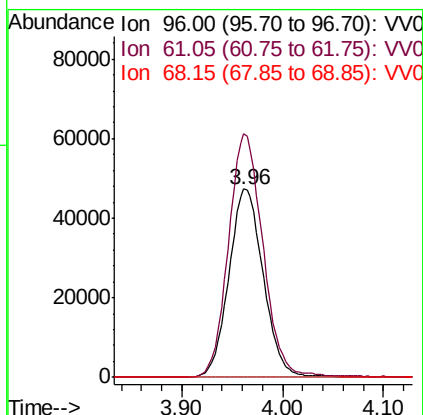
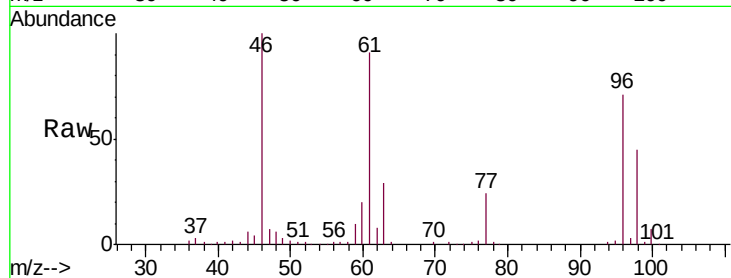




#22
 cis-1,2-Dichloroethene
 Concen: 10.216 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. -0.00 min
 Lab File: VV011951.D
 Acq: 22 Jul 2019 16:26

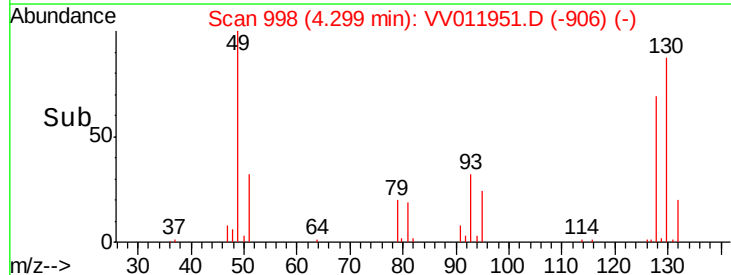
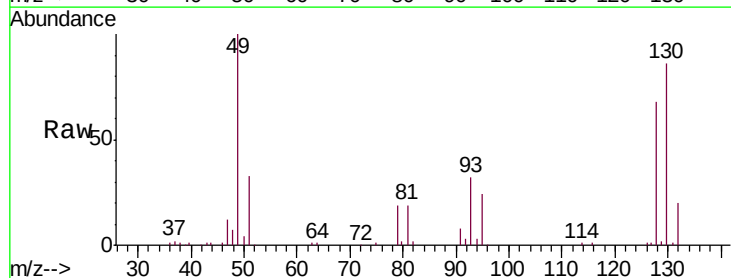
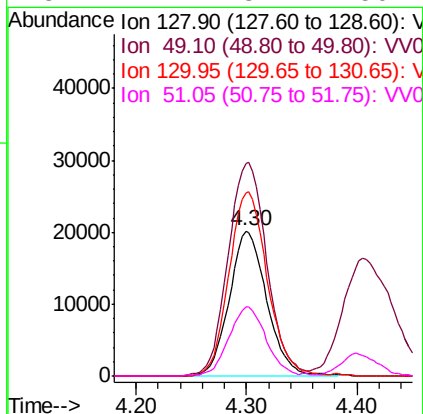
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01034

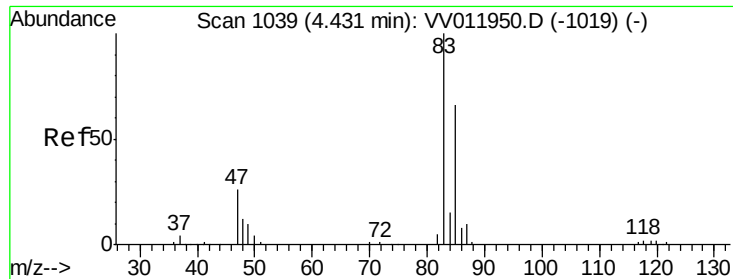
Tgt Ion: 96 Resp: 112286
 Ion Ratio Lower Upper
 96 100
 61 129.4 89.0 165.2
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 10.556 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. -0.00 min
 Lab File: VV011951.D
 Acq: 22 Jul 2019 16:26

Tgt Ion: 128 Resp: 47517
 Ion Ratio Lower Upper
 128 100
 49 146.7 105.5 195.9
 130 125.7 88.4 164.2
 51 47.7 37.4 56.2

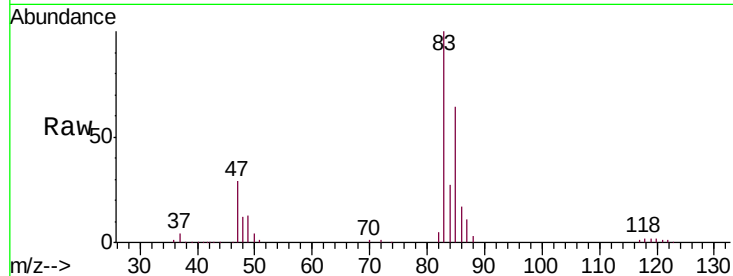




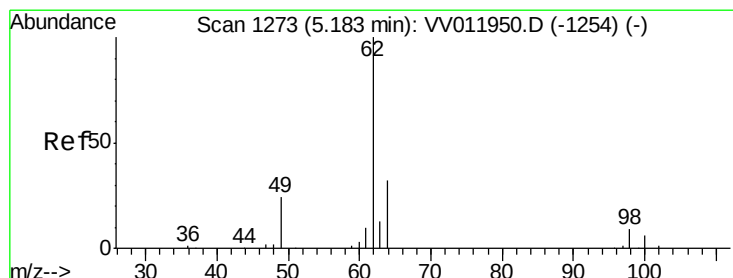
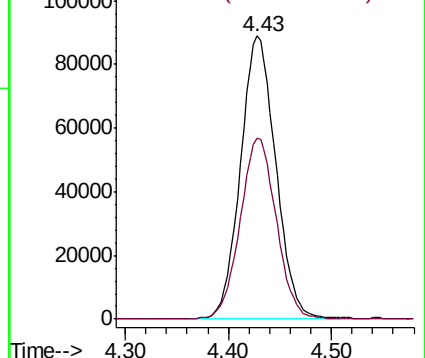
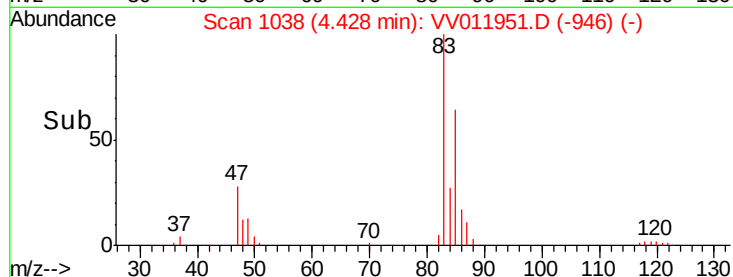
#25
Chloroform
Concen: 9.778 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VV011951.D
Acq: 22 Jul 2019 16:26

Instrument :
MSVOA_V
ClientSampleId :
VSTD01034

Tgt Ion: 83 Resp: 211605
Ion Ratio Lower Upper
83 100
85 64.0 46.5 86.3

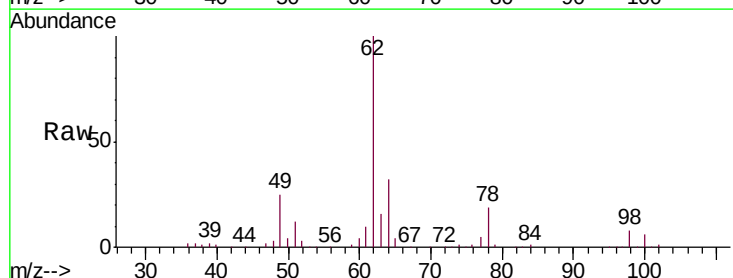


Abundance Ion 83.05 (82.75 to 83.75): VV011951.D (-946) (-)
Ion 85.00 (84.70 to 85.70): VV011951.D (-946) (-)

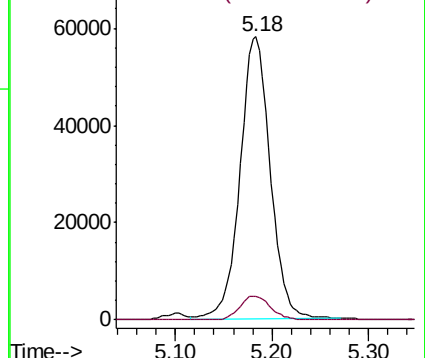
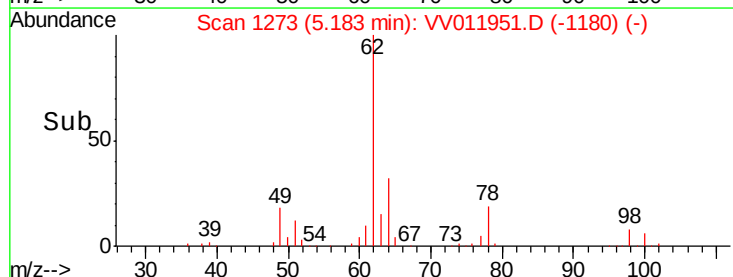


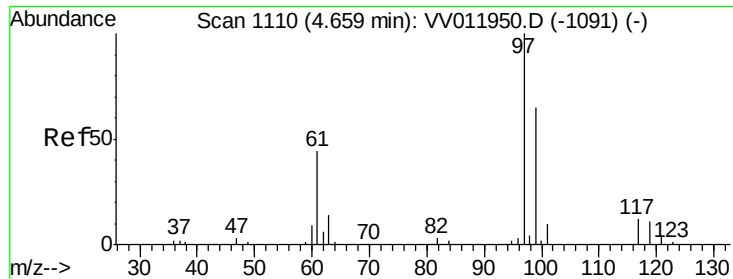
#27
1,2-Dichloroethane
Concen: 10.029 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. -0.00 min
Lab File: VV011951.D
Acq: 22 Jul 2019 16:26

Tgt Ion: 62 Resp: 126280
Ion Ratio Lower Upper
62 100
98 8.5 7.0 10.6



Abundance Ion 62.00 (61.70 to 62.70): VV011951.D (-1180) (-)
Ion 98.05 (97.75 to 98.75): VV011951.D (-1180) (-)

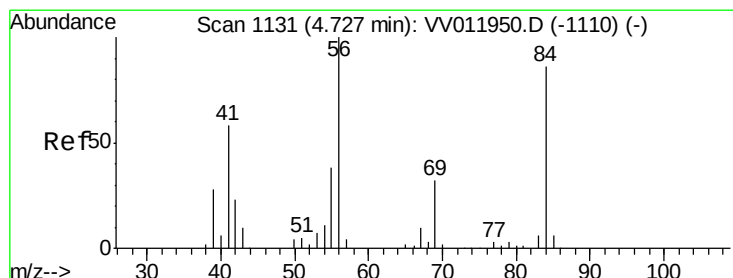
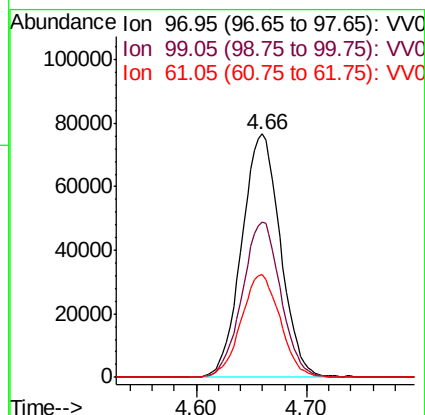
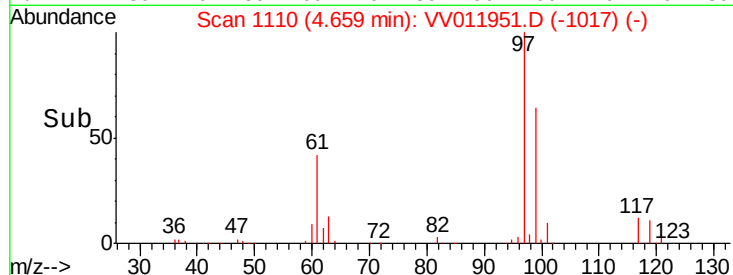
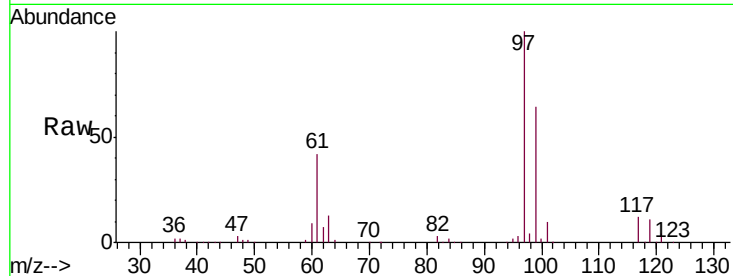




#29
 1,1,1-Trichloroethane
 Concen: 10.978 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VV011951.D
 Acq: 22 Jul 2019 16:26

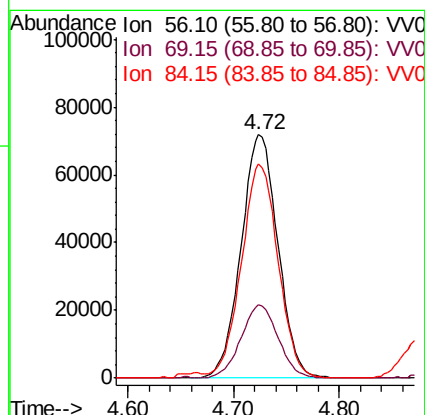
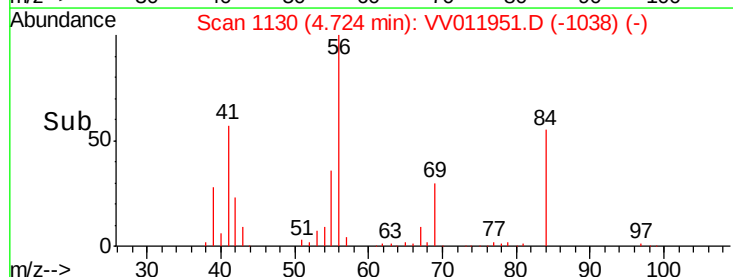
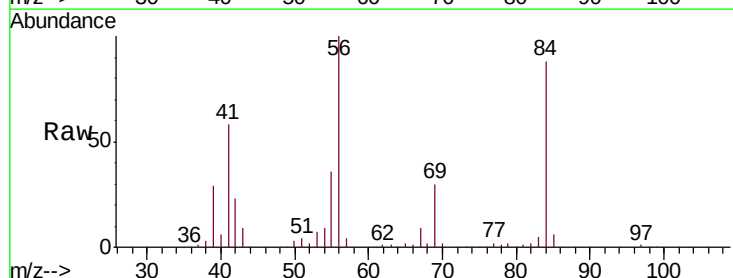
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01034

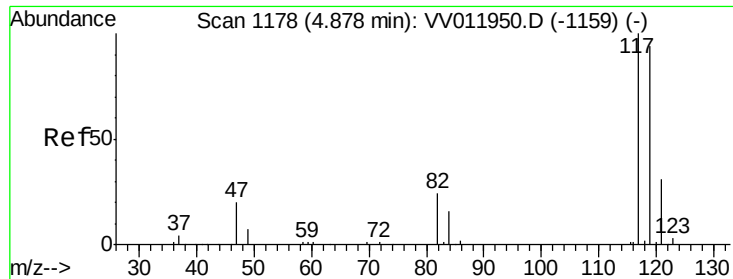
Tgt Ion: 97 Resp: 185854
 Ion Ratio Lower Upper
 97 100
 99 63.6 51.7 77.5
 61 43.0 35.1 52.7



#30
 Cyclohexane
 Concen: 9.994 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. -0.00 min
 Lab File: VV011951.D
 Acq: 22 Jul 2019 16:26

Tgt Ion: 56 Resp: 174144
 Ion Ratio Lower Upper
 56 100
 69 30.4 25.4 38.2
 84 88.2 73.4 110.0





#31

Carbon tetrachloride

Concen: 11.228 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV011951.D

Acq: 22 Jul 2019 16:26

Instrument :

MSVOA_V

ClientSampleId :

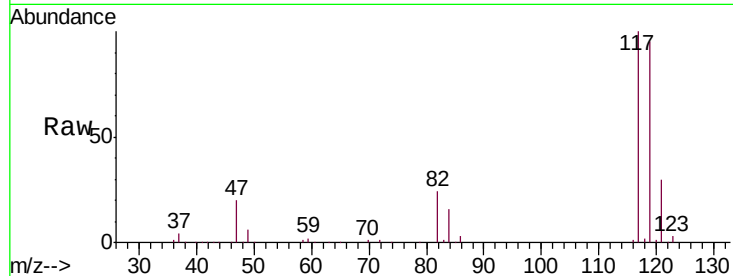
VSTD01034

Tgt Ion:117 Resp: 167512

Ion Ratio Lower Upper

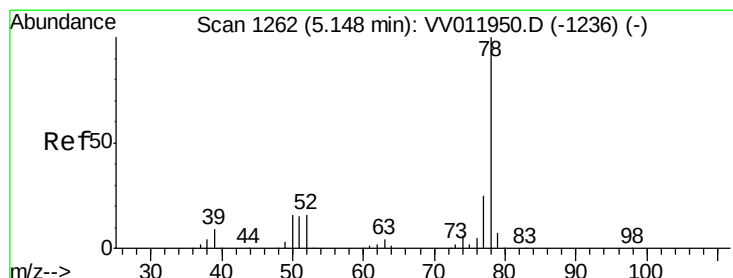
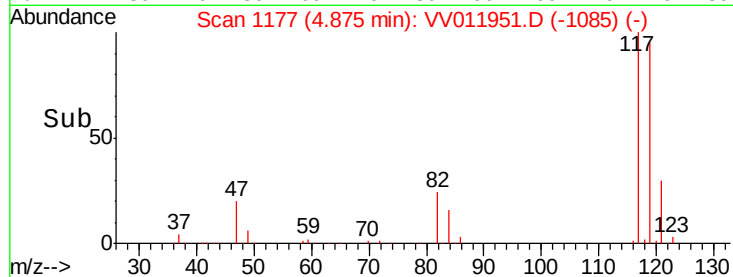
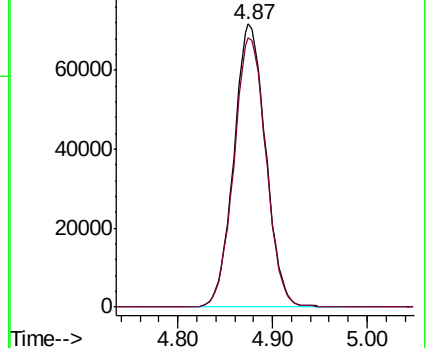
117 100

119 96.0 76.4 114.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 9.972 ug/L

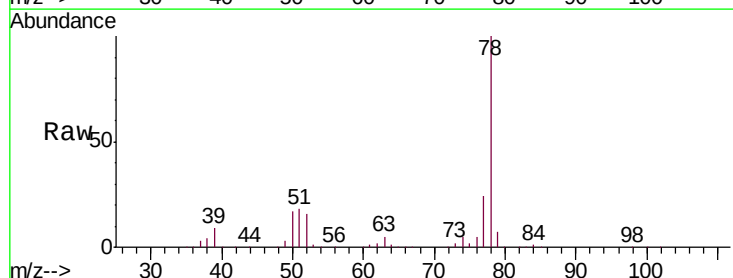
RT: 5.15 min Scan# 1262

Delta R.T. -0.00 min

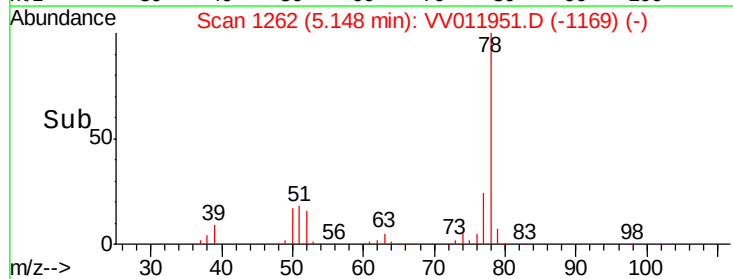
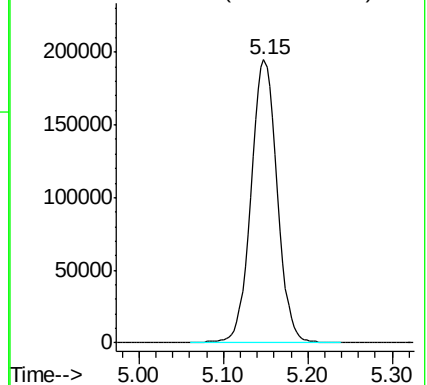
Lab File: VV011951.D

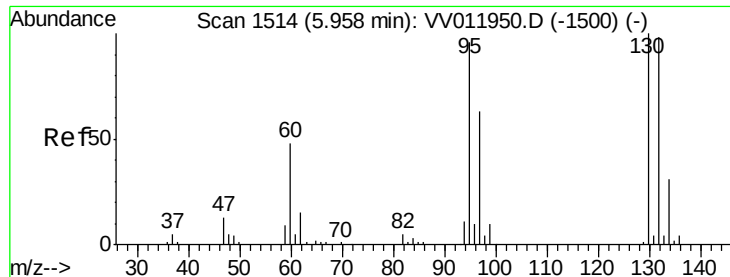
Acq: 22 Jul 2019 16:26

Tgt Ion: 78 Resp: 420514



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 9.822 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV011951.D

Acq: 22 Jul 2019 16:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD01034

Tgt Ion: 95 Resp: 115316

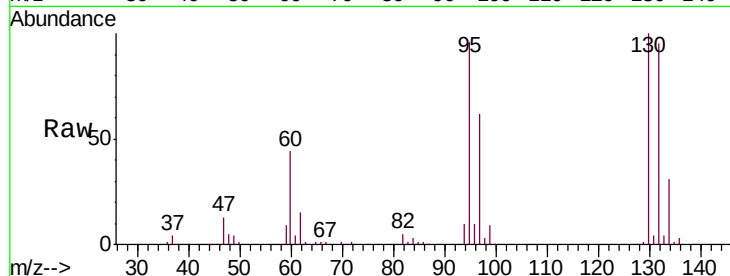
Ion Ratio Lower Upper

95 100

97 64.4 45.6 84.6

132 99.1 71.3 132.3

130 104.3 72.8 135.2

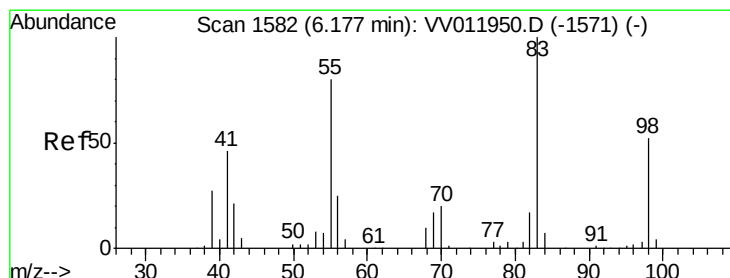
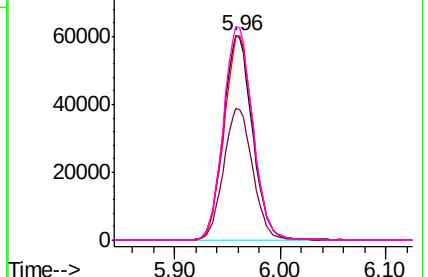
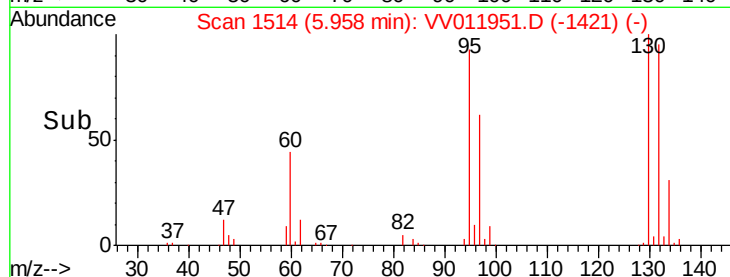


Abundance Ion 95.00 (94.70 to 95.70): VV011951.D (-1421) (-)

Ion 96.95 (96.65 to 97.65): VV011951.D (-1421) (-)

Ion 131.95 (131.65 to 132.65): VV011951.D (-1421) (-)

Ion 129.95 (129.65 to 130.65): VV011951.D (-1421) (-)



#35

Methylcyclohexane

Concen: 10.417 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VV011951.D

Acq: 22 Jul 2019 16:26

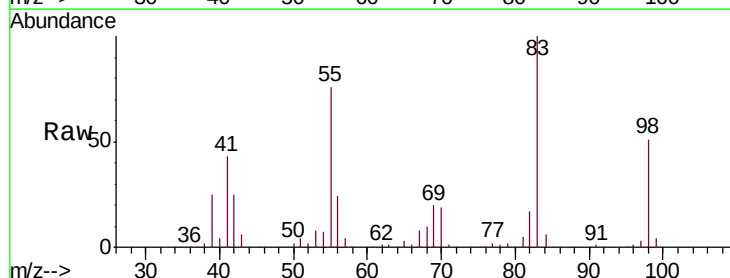
Tgt Ion: 83 Resp: 185791

Ion Ratio Lower Upper

83 100

55 75.8 63.0 94.4

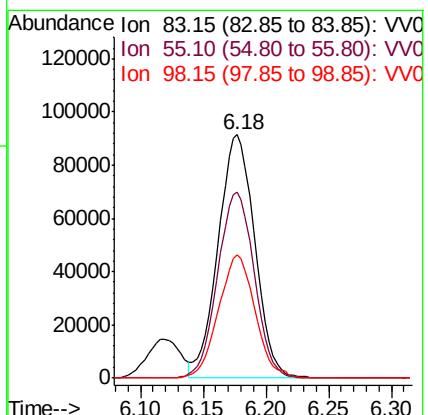
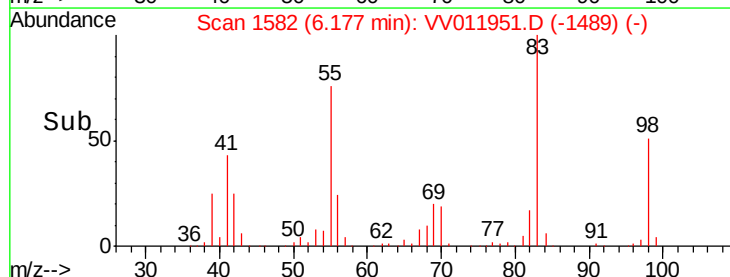
98 50.5 41.4 62.0

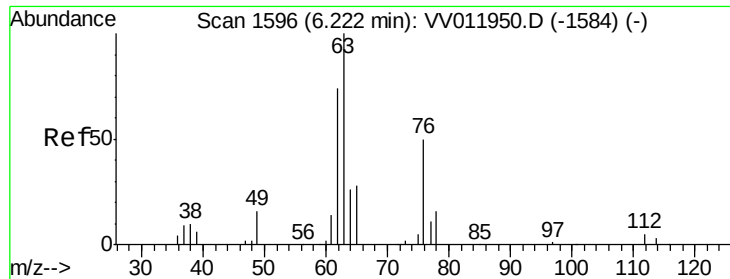


Abundance Ion 83.15 (82.85 to 83.85): VV011951.D (-1489) (-)

Ion 55.10 (54.80 to 55.80): VV011951.D (-1489) (-)

Ion 98.15 (97.85 to 98.85): VV011951.D (-1489) (-)

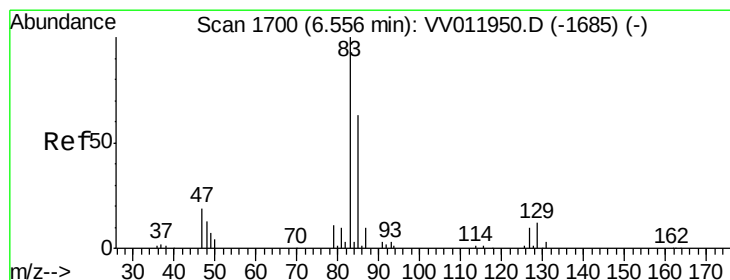
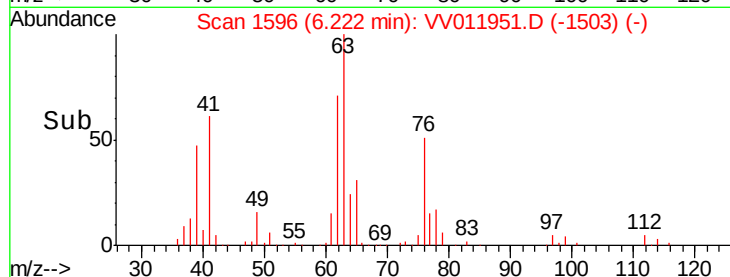
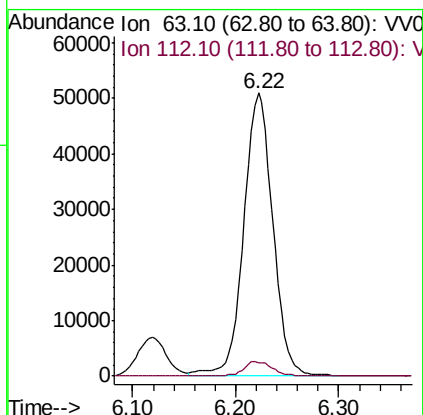
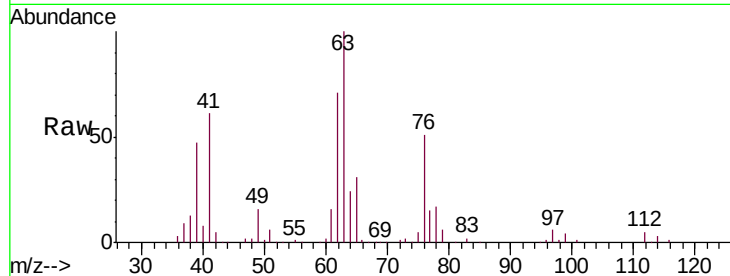




#37
 1,2-Dichloropropane
 Concen: 9.824 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. -0.00 min
 Lab File: VV011951.D
 Acq: 22 Jul 2019 16:26

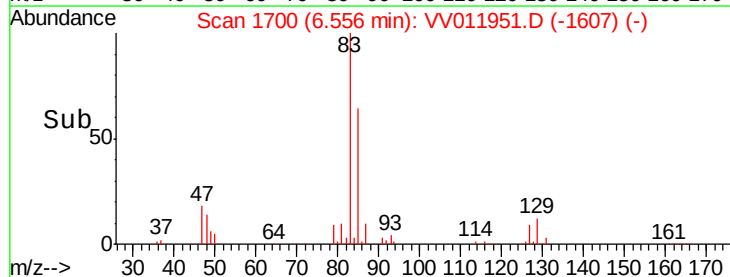
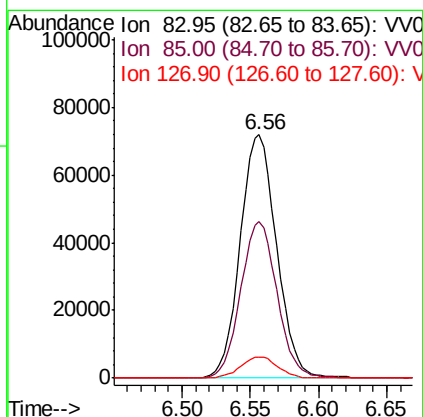
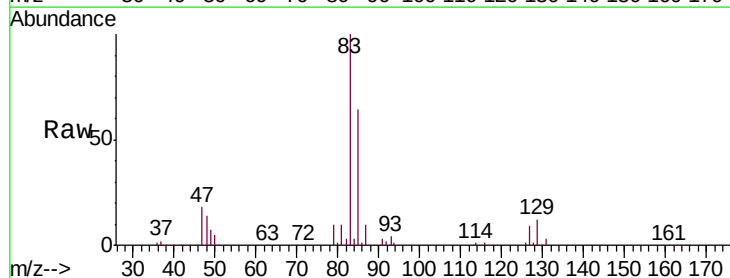
Instrument :
 MSVOA_V
 ClientSampleID :
 VSTD01034

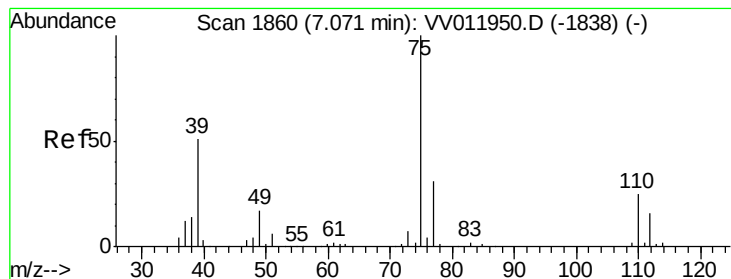
Tgt Ion: 63 Resp: 99209
 Ion Ratio Lower Upper
 63 100
 112 5.1 4.2 6.4



#38
 Bromodichloromethane
 Concen: 10.394 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VV011951.D
 Acq: 22 Jul 2019 16:26

Tgt Ion: 83 Resp: 133197
 Ion Ratio Lower Upper
 83 100
 85 64.4 44.4 82.4
 127 8.8 7.9 11.9





#39

cis-1,3-Dichloropropene

Concen: 11.160 ug/L

RT: 7.07 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VV011951.D

Acq: 22 Jul 2019 16:26

Instrument :

MSVOA_V

ClientSampleId :

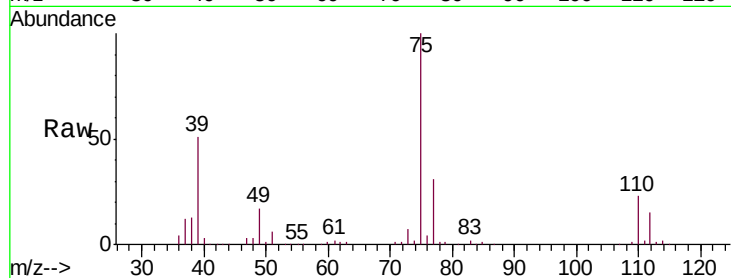
VSTD01034

Tgt Ion: 75 Resp: 158725

Ion Ratio Lower Upper

75 100

77 30.5 21.3 39.6



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.07

80000

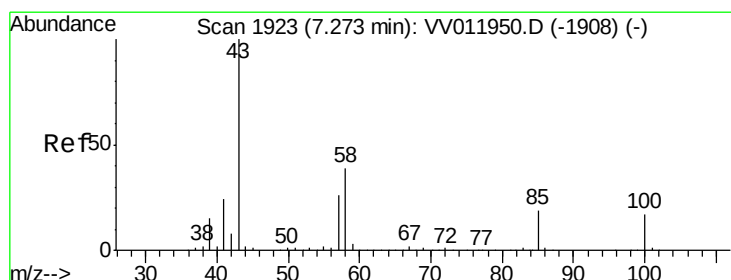
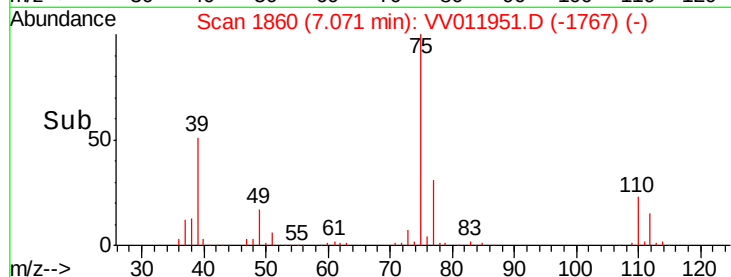
60000

40000

20000

0

Time-->



#40

4-Methyl-2-pentanone

Concen: 98.556 ug/L

RT: 7.28 min Scan# 1924

Delta R.T. 0.00 min

Lab File: VV011951.D

Acq: 22 Jul 2019 16:26

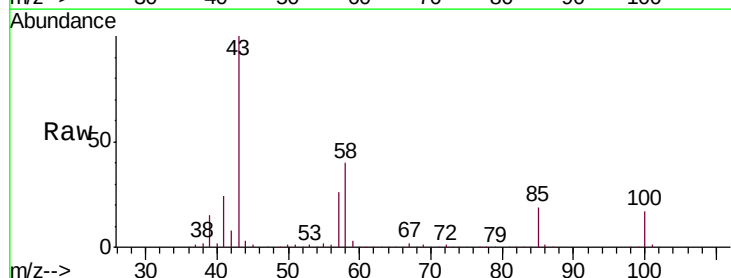
Tgt Ion: 43 Resp: 595773

Ion Ratio Lower Upper

43 100

58 39.0 31.2 46.8

100 16.6 13.5 20.3



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 100.15 (99.85 to 100.85): VV0

7.28

400000

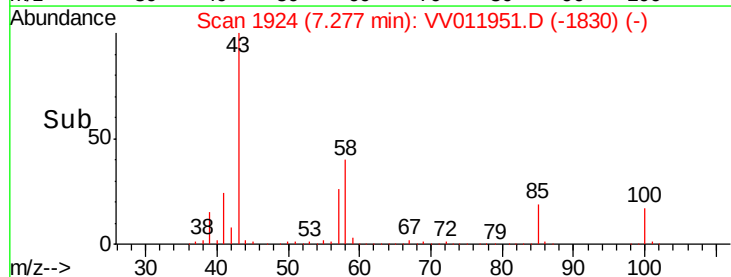
300000

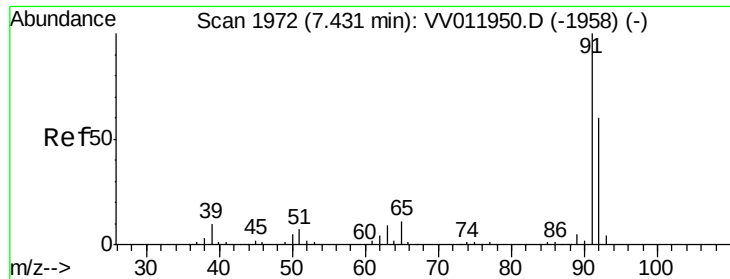
200000

100000

0

Time-->





#42

Toluene

Concen: 10.441 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV011951.D

Acq: 22 Jul 2019 16:26

Instrument :

MSVOA_V

ClientSampleId :

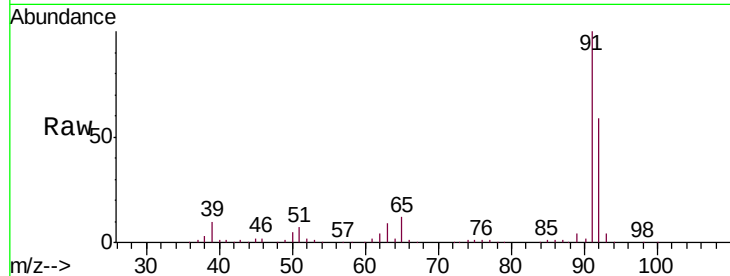
VSTD01034

Tgt Ion: 91 Resp: 463160

Ion Ratio Lower Upper

91 100

92 58.7 41.9 77.9



Abundance Ion 91.15 (90.85 to 91.85): VV011951.D (-1958) (-)

Ion 92.15 (91.85 to 92.85): VV011951.D (-1958) (-)

7.43

300000

250000

200000

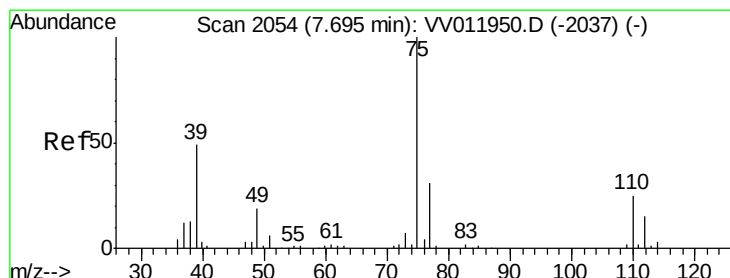
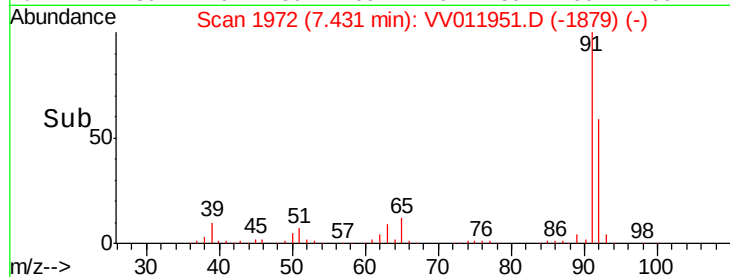
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 10.970 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VV011951.D

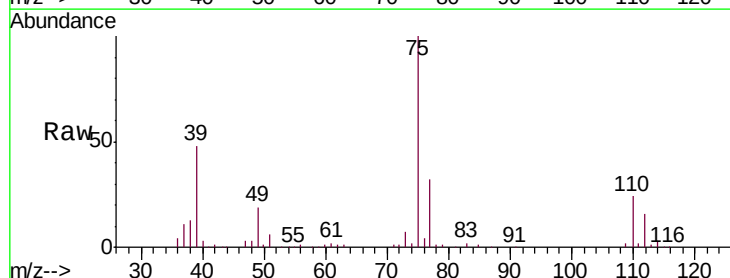
Acq: 22 Jul 2019 16:26

Tgt Ion: 75 Resp: 124276

Ion Ratio Lower Upper

75 100

77 31.7 22.0 40.8



Abundance Ion 75.05 (74.75 to 75.75): VV011951.D (-2037) (-)

Ion 77.05 (76.75 to 77.75): VV011951.D (-2037) (-)

7.69

80000

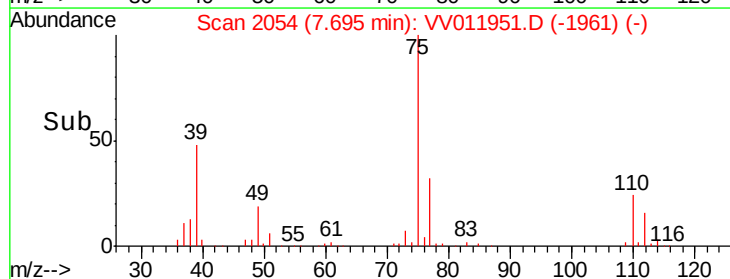
60000

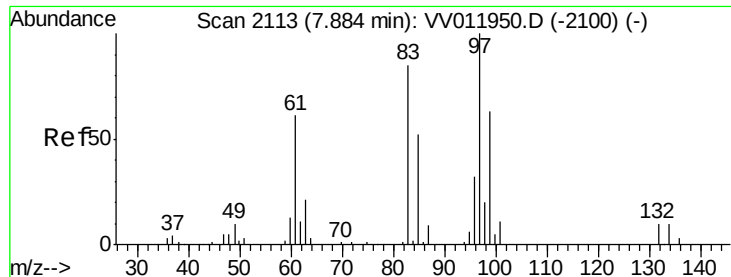
40000

20000

0

Time-->

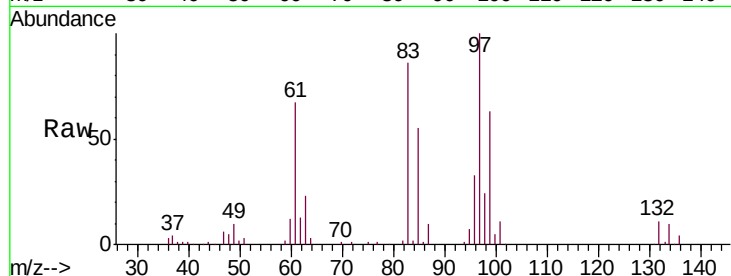




#45
1,1,2-Trichloroethane
Concen: 9.846 ug/L
RT: 7.88 min Scan# 2113
Delta R.T. -0.00 min
Lab File: VV011951.D
Acq: 22 Jul 2019 16:26

Instrument :
MSVOA_V
ClientSampleId :
VSTD01034

Tgt Ion:	97	Resp:	68899
Ion	Ratio	Lower	Upper
97	100		
99	63.3	44.0	81.8
83	86.0	59.5	110.5
85	54.5	36.6	68.0



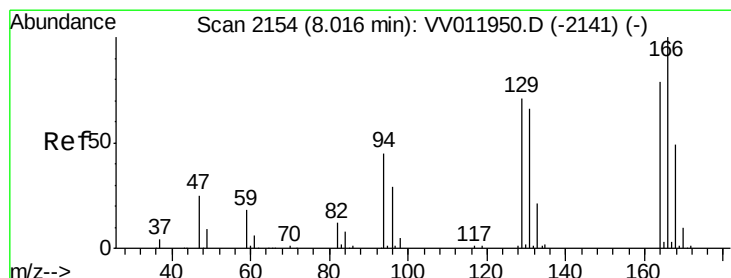
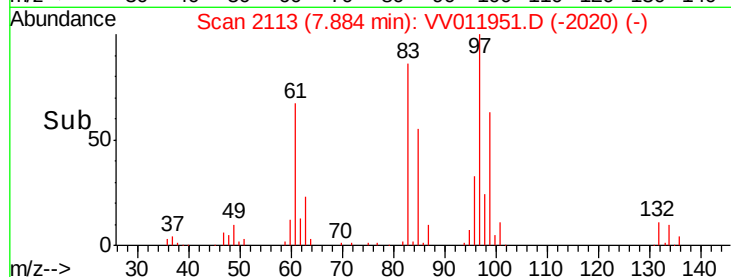
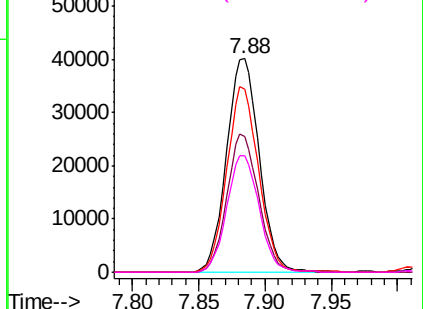
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

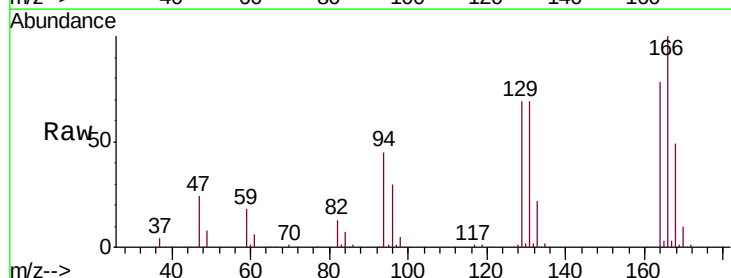
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
Tetrachloroethene
Concen: 11.009 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VV011951.D
Acq: 22 Jul 2019 16:26

Tgt Ion:	164	Resp:	97955
Ion	Ratio	Lower	Upper
164	100		
129	88.9	62.5	116.1
131	88.5	58.6	108.8
166	128.4	88.2	163.8



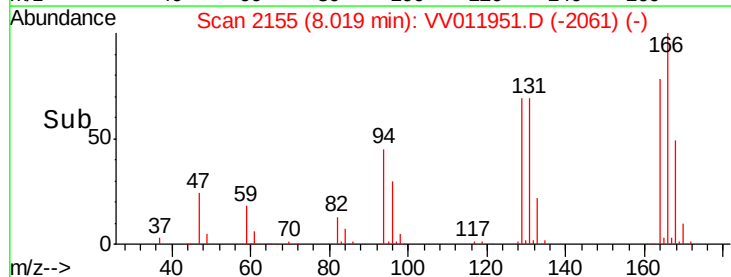
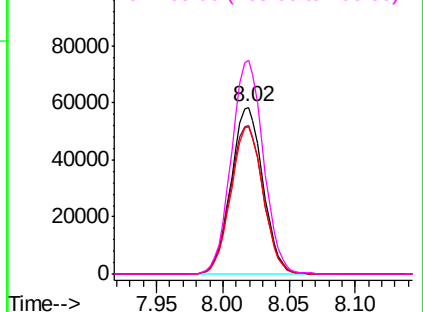
Abundance

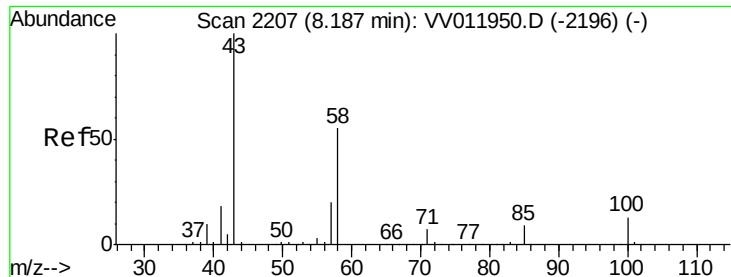
Ion 163.90 (163.60 to 164.60): V

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

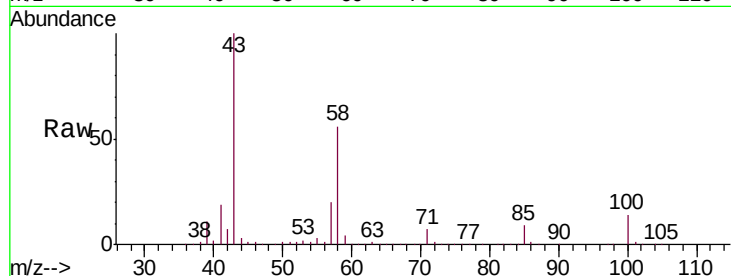




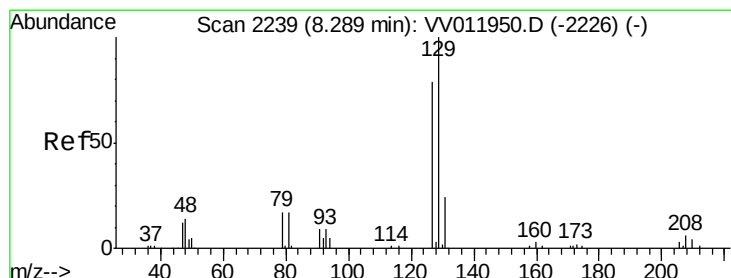
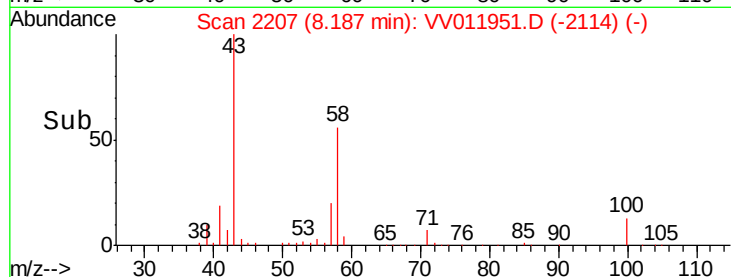
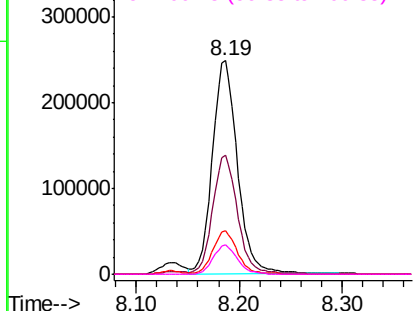
#48
2-Hexanone
Concen: 97.145 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VV011951.D
Acq: 22 Jul 2019 16:26

Instrument :
MSVOA_V
ClientSampleId :
VSTD01034

Tgt Ion: 43 Resp: 419294
Ion Ratio Lower Upper
43 100
58 55.1 43.7 65.5
57 20.3 16.0 24.0
100 13.5 10.5 15.7

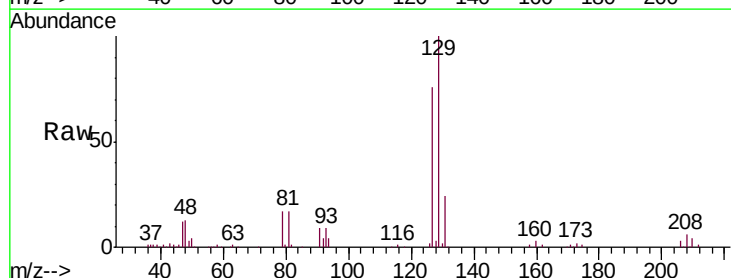


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

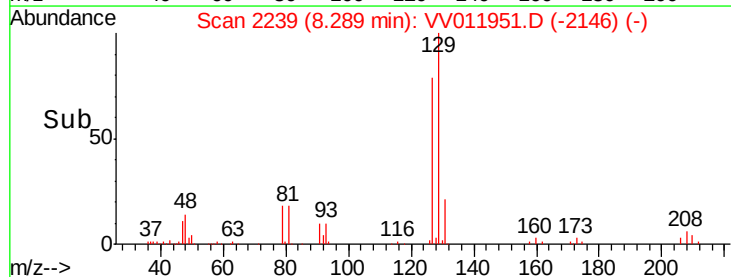
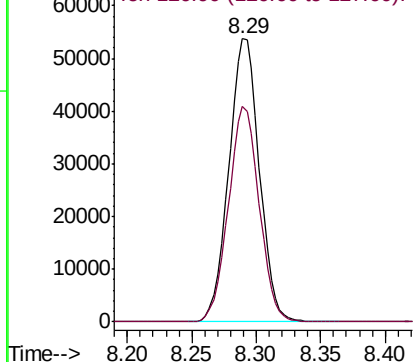


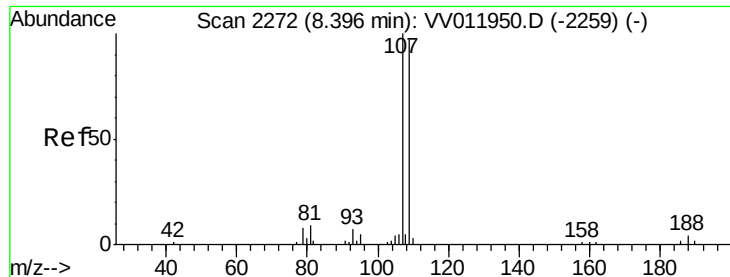
#49
Dibromochloromethane
Concen: 11.382 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV011951.D
Acq: 22 Jul 2019 16:26

Tgt Ion: 129 Resp: 88394
Ion Ratio Lower Upper
129 100
127 76.0 55.3 102.7



Abundance Ion 128.95 (128.65 to 129.65): VV0
Ion 126.90 (126.60 to 127.60): VV0

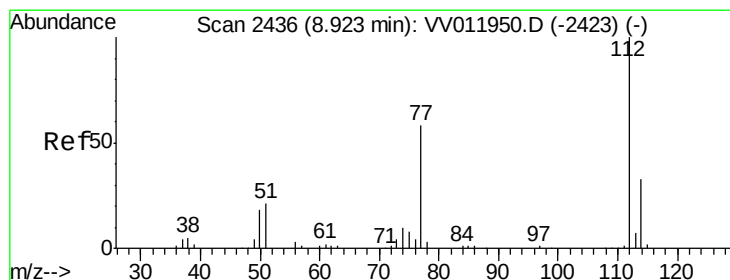
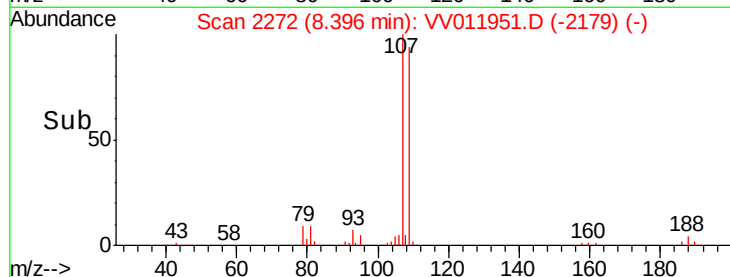
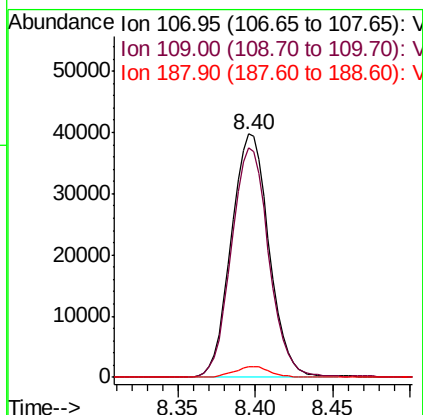
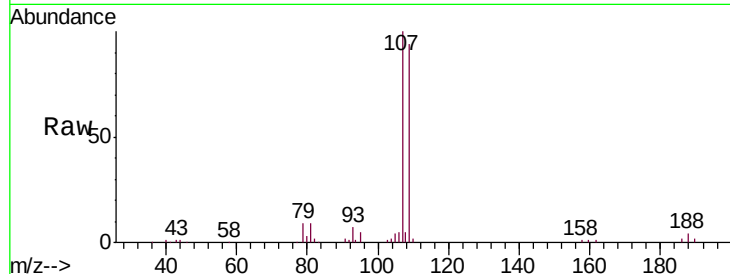




#50
1,2-Dibromoethane
Concen: 10.484 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VV011951.D
Acq: 22 Jul 2019 16:26

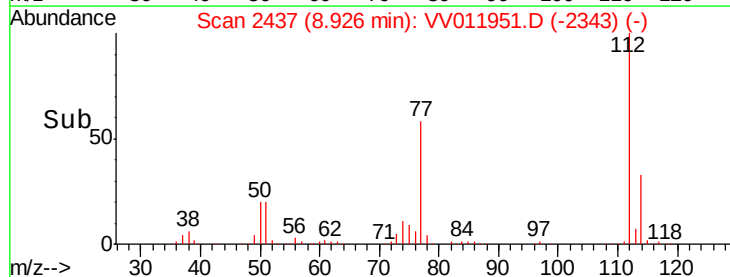
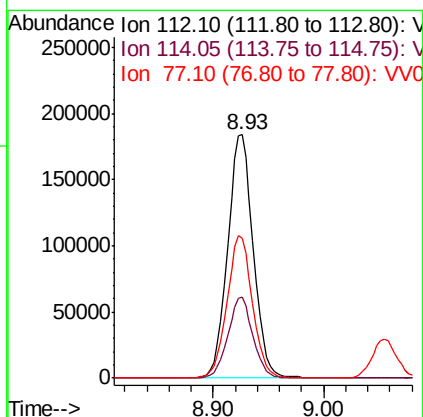
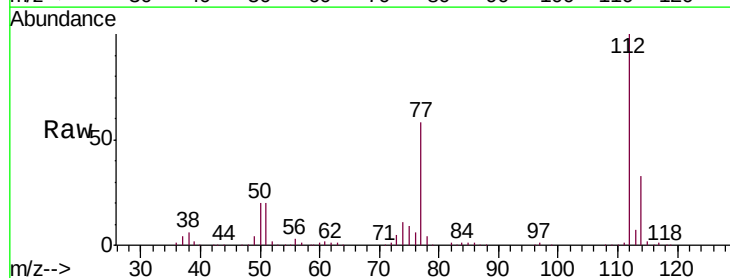
Instrument :
MSVOA_V
ClientSampleId :
VSTD01034

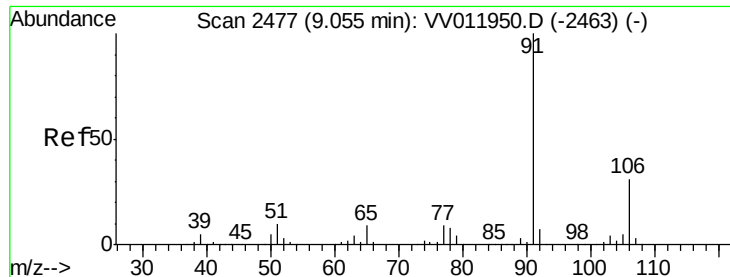
Tgt Ion:107 Resp: 67565
Ion Ratio Lower Upper
107 100
109 94.3 68.1 126.5
188 4.3 3.5 5.3



#51
Chlorobenzene
Concen: 10.441 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV011951.D
Acq: 22 Jul 2019 16:26

Tgt Ion:112 Resp: 295133
Ion Ratio Lower Upper
112 100
114 33.1 23.0 42.8
77 57.7 46.4 69.6





#52

Ethylbenzene

Concen: 10.801 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV011951.D

Acq: 22 Jul 2019 16:26

Instrument :

MSVOA_V

ClientSampleId :

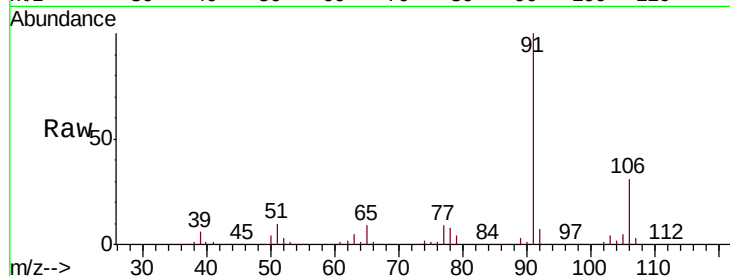
VSTD01034

Tgt Ion: 91 Resp: 531592

Ion Ratio Lower Upper

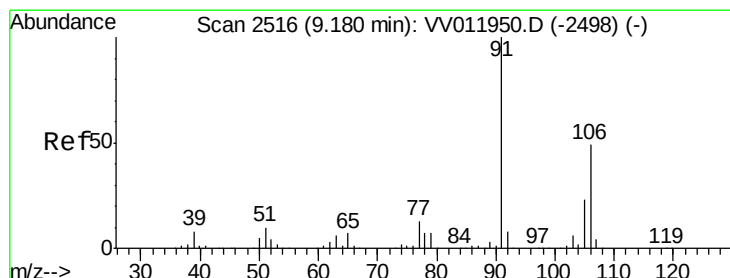
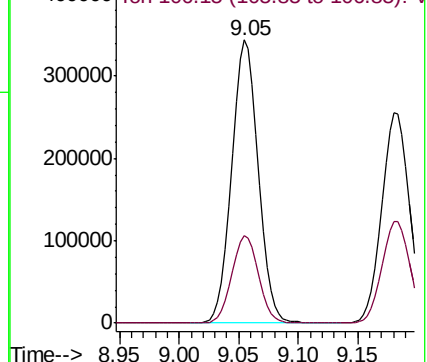
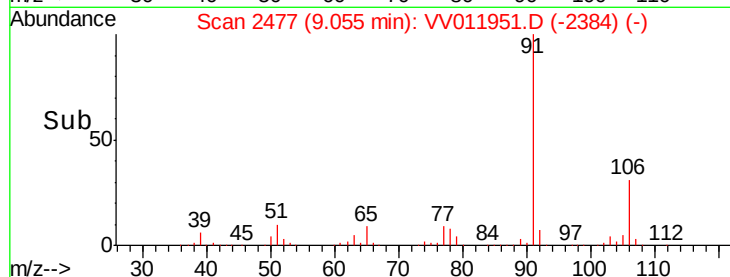
91 100

106 30.8 21.6 40.0



Abundance Ion 91.15 (90.85 to 91.85): VV011951.D (-2384) (-)

Ion 106.15 (105.85 to 106.85): VV011951.D (-2384) (-)



#53

m,p-xylene

Concen: 11.075 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV011951.D

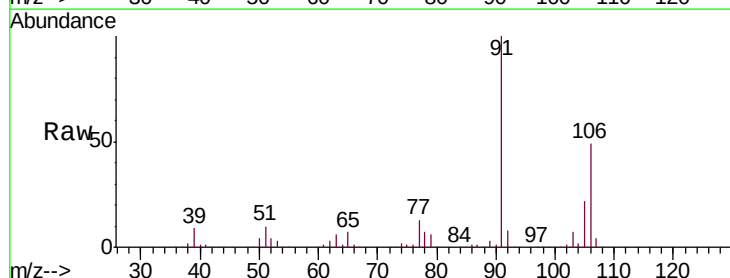
Acq: 22 Jul 2019 16:26

Tgt Ion: 106 Resp: 203934

Ion Ratio Lower Upper

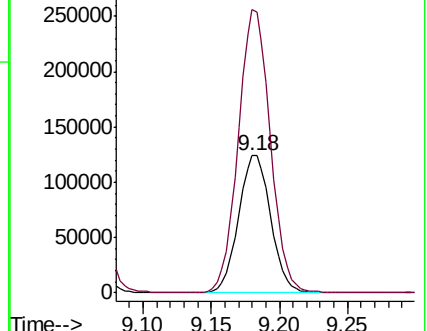
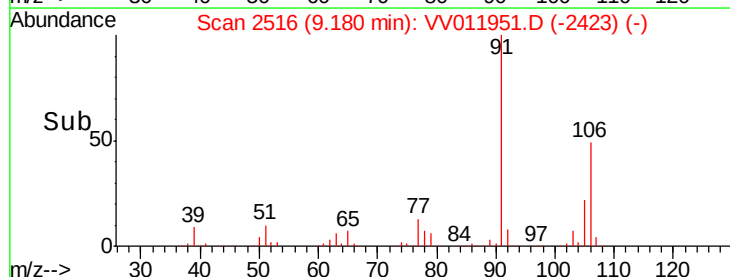
106 100

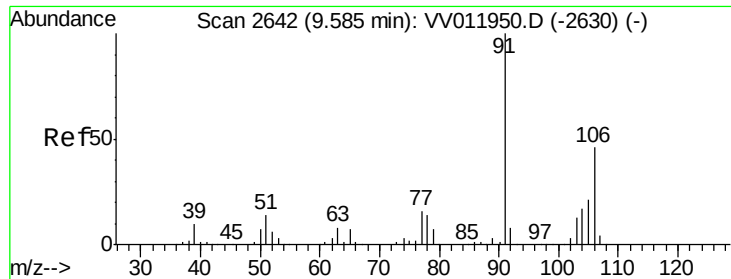
91 206.1 142.7 265.1



Abundance Ion 106.15 (105.85 to 106.85): VV011951.D (-2423) (-)

Ion 91.15 (90.85 to 91.85): VV011951.D (-2423) (-)

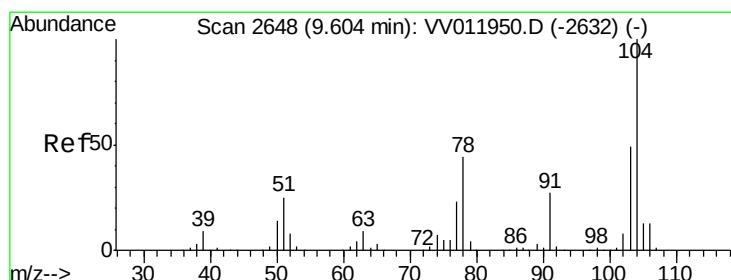
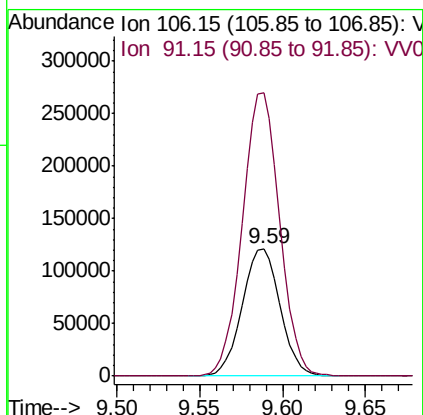
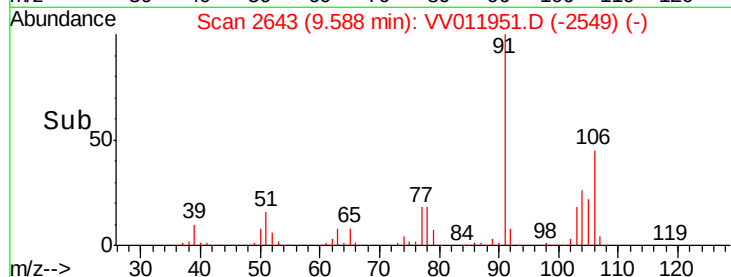
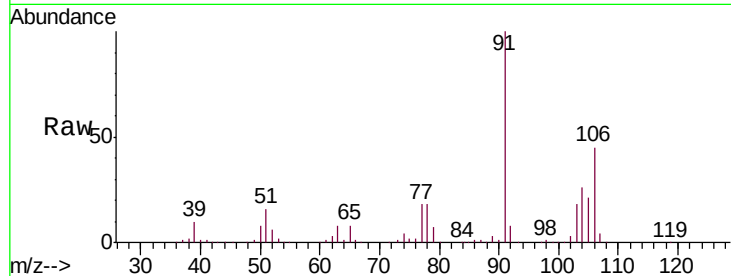




#54
o-xylene
Concen: 11.249 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV011951.D
Acq: 22 Jul 2019 16:26

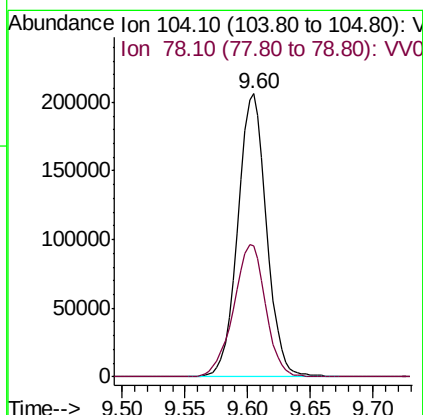
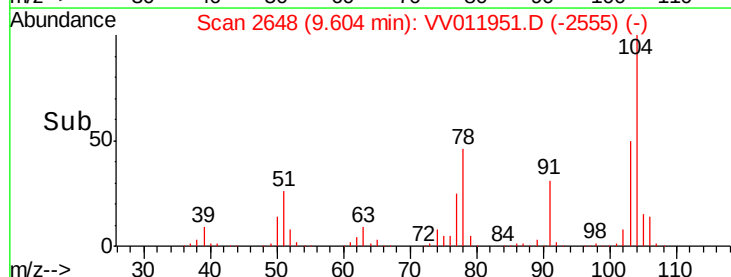
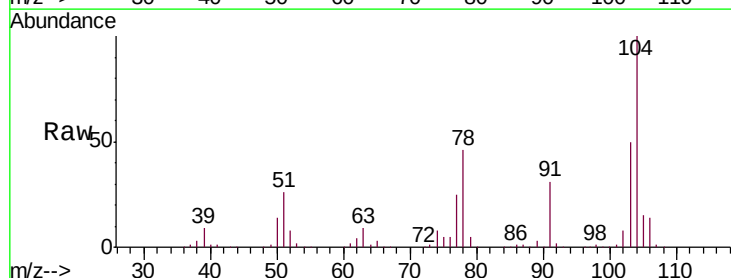
Instrument :
MSVOA_V
ClientSampleId :
VSTD01034

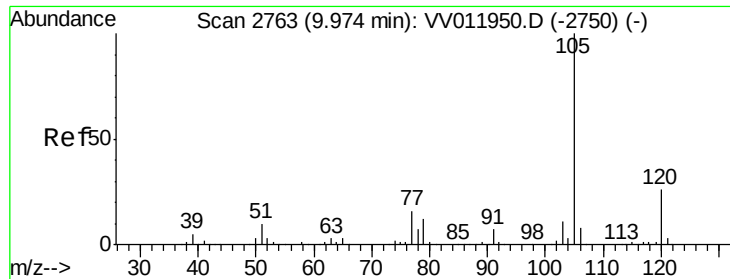
Tgt Ion:106 Resp: 192510
Ion Ratio Lower Upper
106 100
91 222.2 151.0 280.4



#55
Styrene
Concen: 11.275 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. -0.00 min
Lab File: VV011951.D
Acq: 22 Jul 2019 16:26

Tgt Ion:104 Resp: 328498
Ion Ratio Lower Upper
104 100
78 46.1 30.8 57.2





#56

Isopropylbenzene

Concen: 11.299 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV011951.D

Acq: 22 Jul 2019 16:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD01034

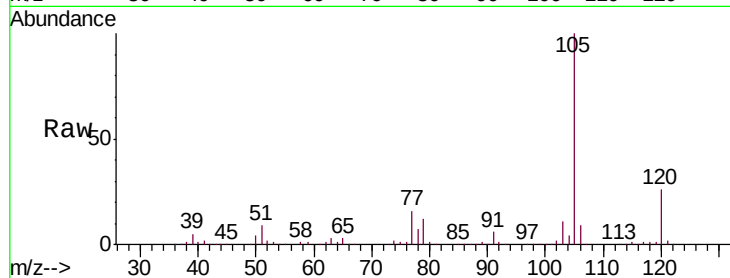
Tgt Ion: 105 Resp: 535440

Ion Ratio Lower Upper

105 100

120 26.3 20.8 31.2

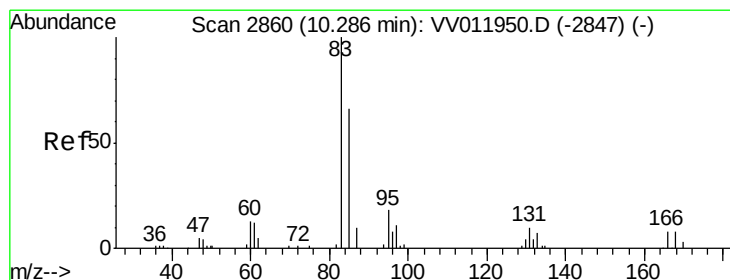
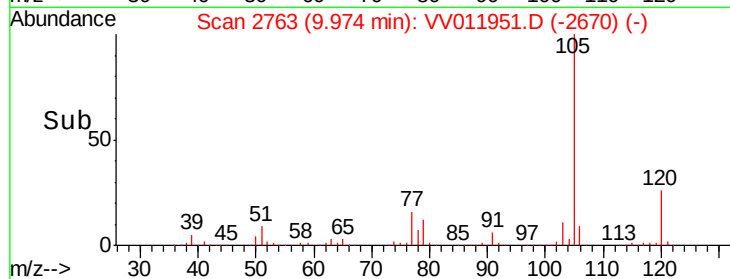
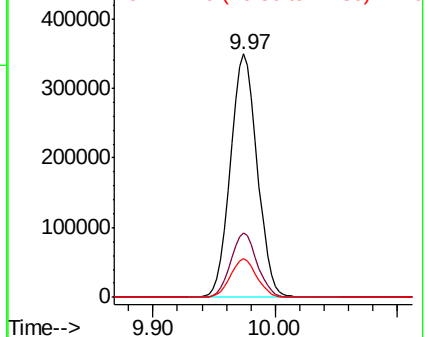
77 15.7 12.6 19.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 11.002 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV011951.D

Acq: 22 Jul 2019 16:26

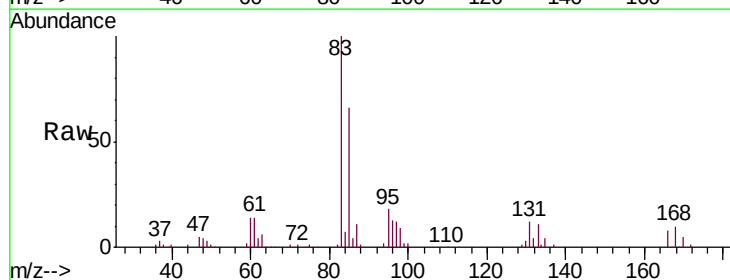
Tgt Ion: 83 Resp: 74605

Ion Ratio Lower Upper

83 100

85 66.1 46.3 85.9

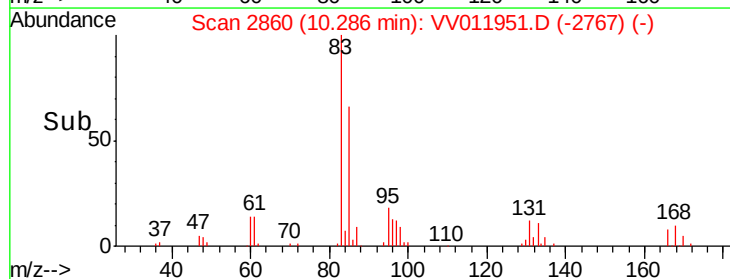
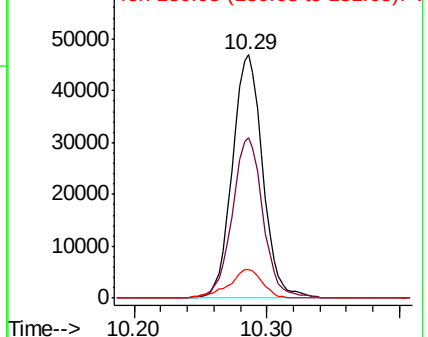
131 12.0 8.9 13.3

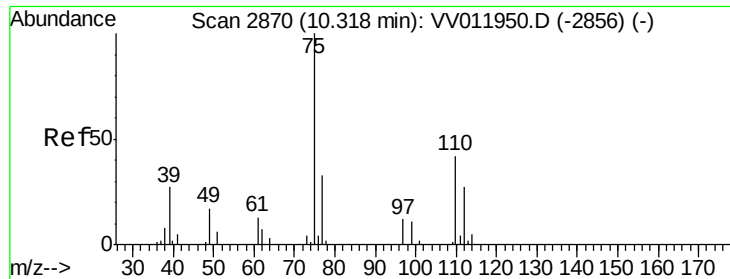


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

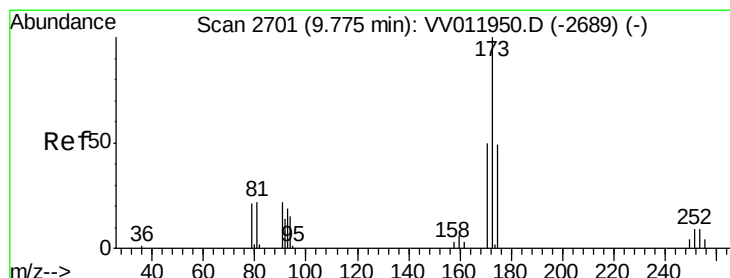
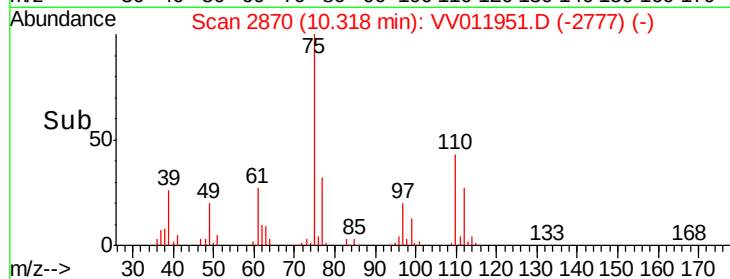
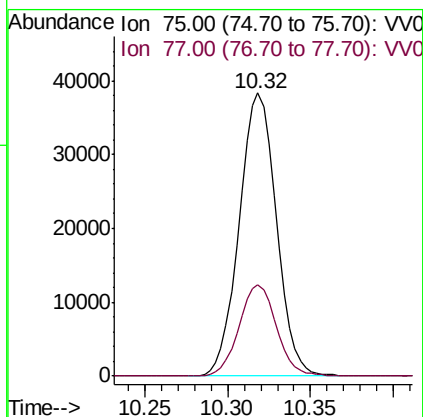
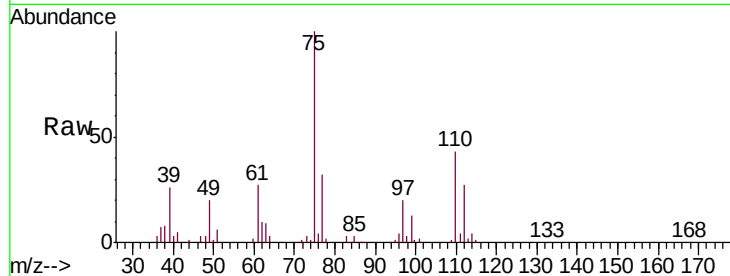




#59
 1,2,3-Trichloropropane
 Concen: 9.765 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VV011951.D
 Acq: 22 Jul 2019 16:26

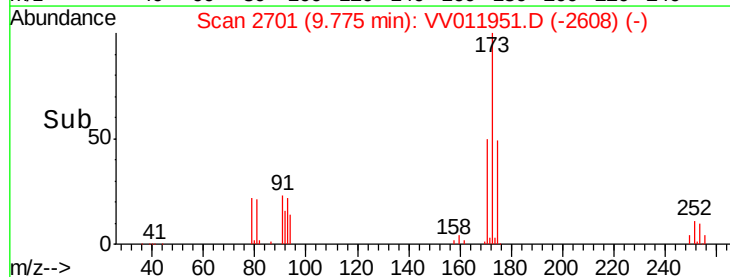
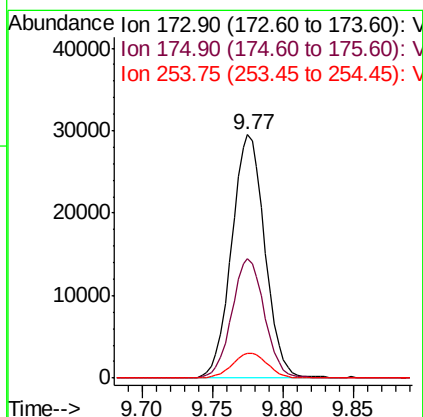
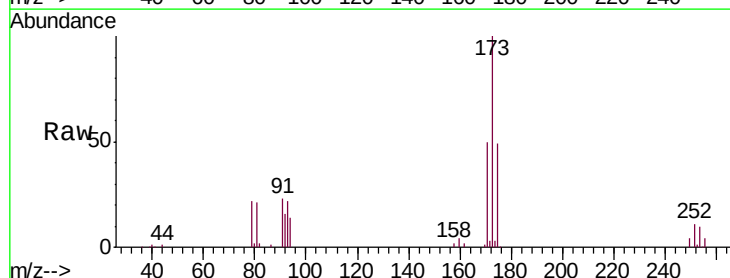
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01034

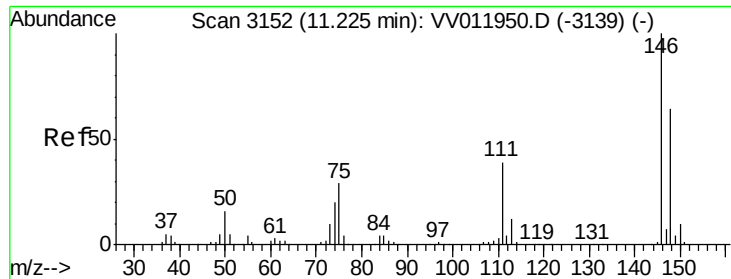
Tgt Ion: 75 Resp: 59901
 Ion Ratio Lower Upper
 75 100
 77 32.8 26.2 39.2



#61
 Bromoform
 Concen: 11.503 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. -0.00 min
 Lab File: VV011951.D
 Acq: 22 Jul 2019 16:26

Tgt Ion: 173 Resp: 48682
 Ion Ratio Lower Upper
 173 100
 175 48.2 39.6 59.4
 254 10.7 7.9 11.9





#62

1,3-Dichlorobenzene

Concen: 10.343 ug/L

RT: 11.23 min Scan# 3152

Delta R.T. -0.00 min

Lab File: VV011951.D

Acq: 22 Jul 2019 16:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD01034

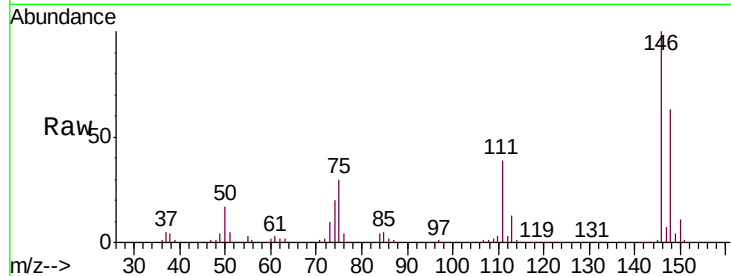
Tgt Ion:146 Resp: 246291

Ion Ratio Lower Upper

146 100

111 39.0 27.1 50.3

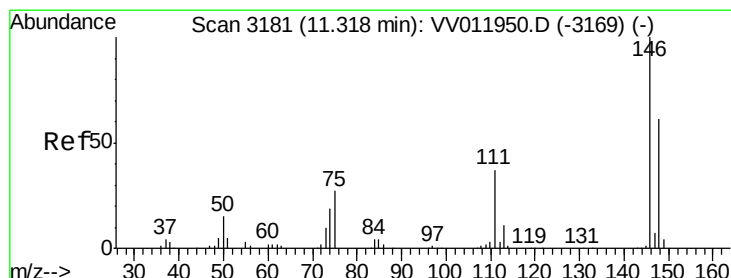
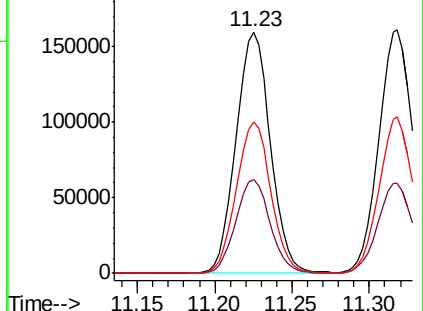
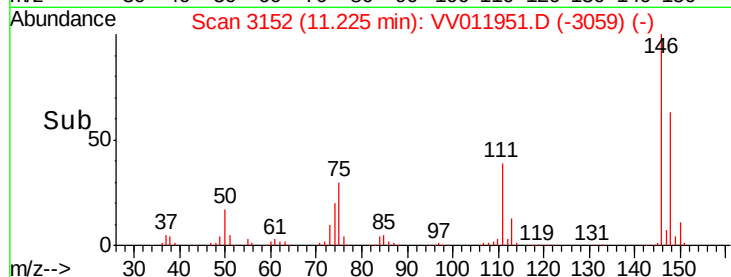
148 62.9 44.5 82.7



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: 10.298 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. -0.00 min

Lab File: VV011951.D

Acq: 22 Jul 2019 16:26

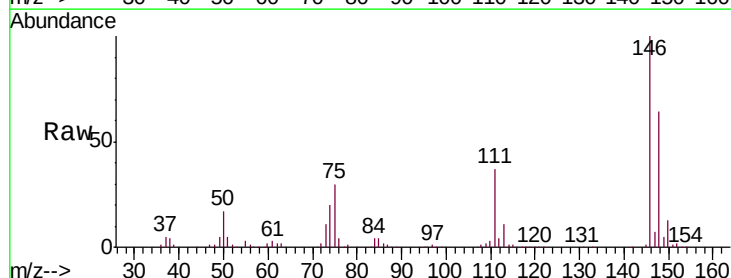
Tgt Ion:146 Resp: 251529

Ion Ratio Lower Upper

146 100

111 37.2 26.0 48.2

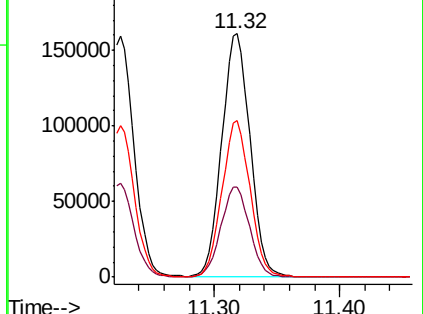
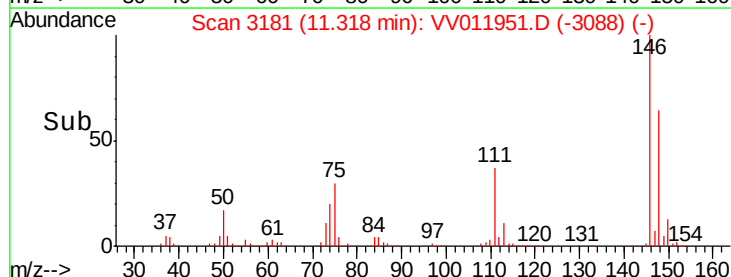
148 64.1 43.0 80.0

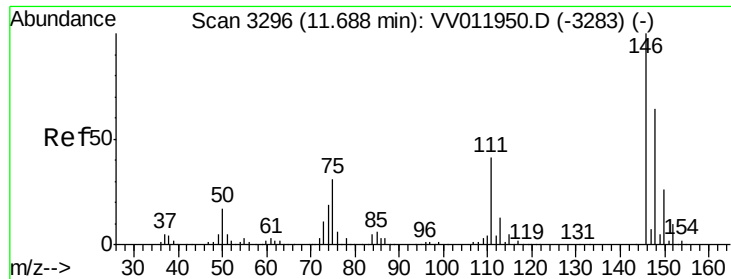


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 10.370 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. -0.00 min

Lab File: VV011951.D

Acq: 22 Jul 2019 16:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD01034

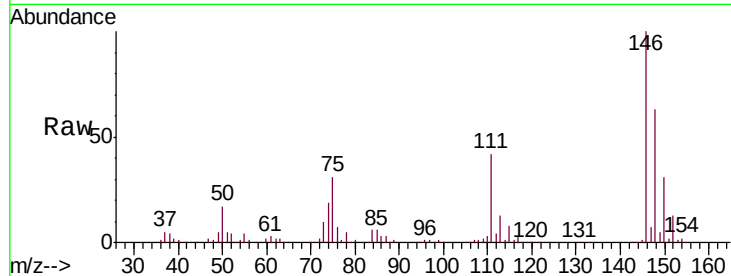
Tgt Ion:146 Resp: 229980

Ion Ratio Lower Upper

146 100

111 41.6 32.5 48.7

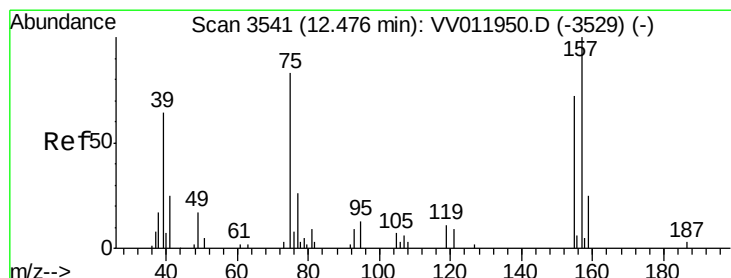
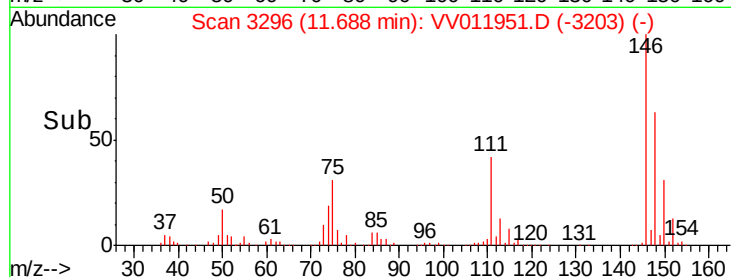
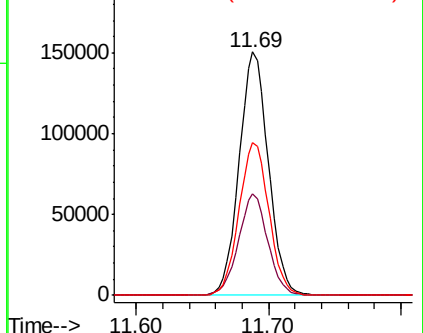
148 62.6 51.4 77.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 10.639 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. -0.00 min

Lab File: VV011951.D

Acq: 22 Jul 2019 16:26

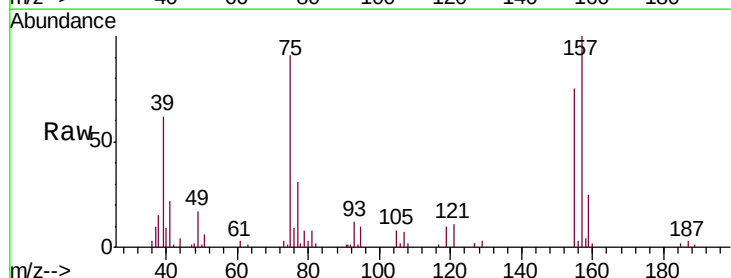
Tgt Ion: 75 Resp: 13358

Ion Ratio Lower Upper

75 100

155 83.0 69.5 104.3

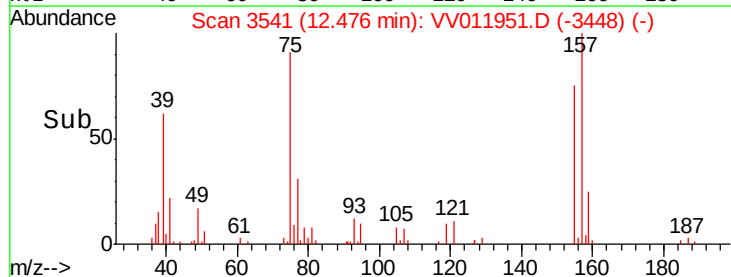
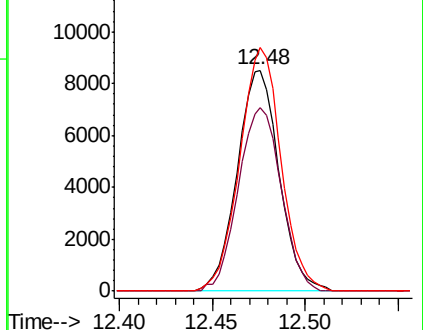
157 110.2 96.2 144.2

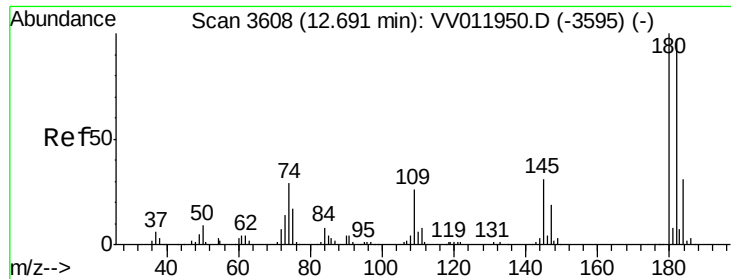


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

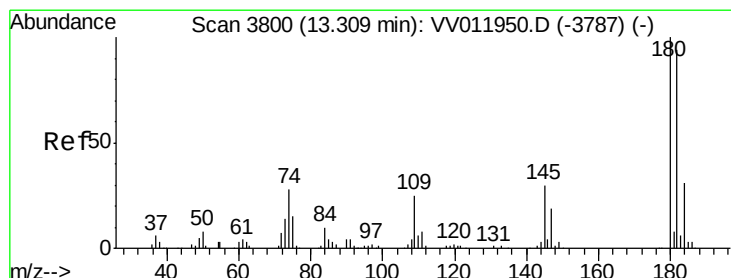
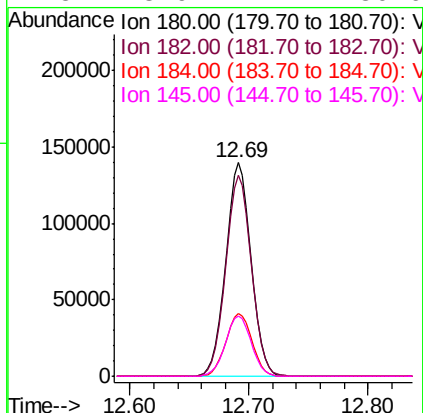
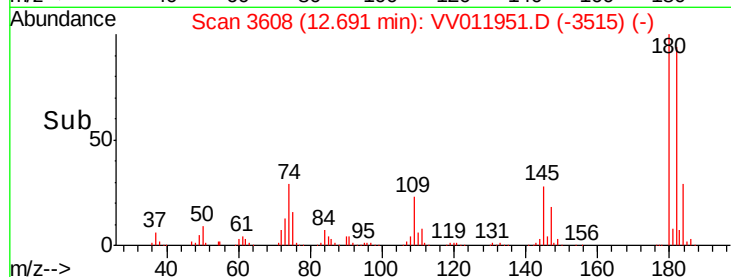
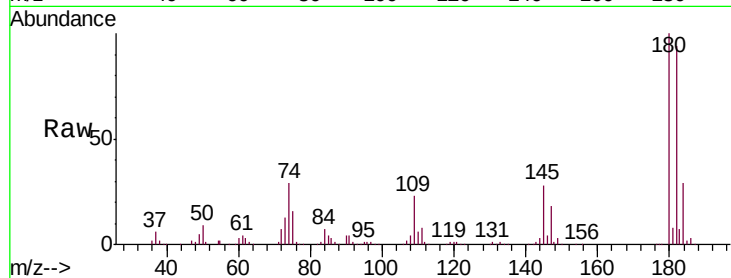




#67
 1,3,5-Trichlorobenzene
 Concen: 10.924 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV011951.D
 Acq: 22 Jul 2019 16:26

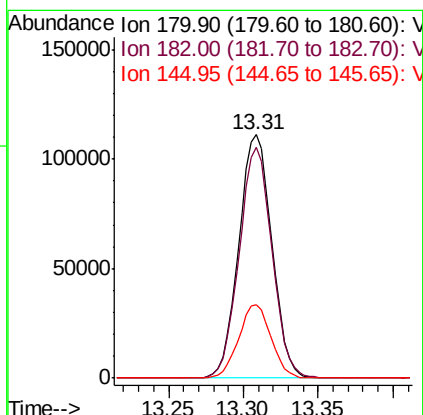
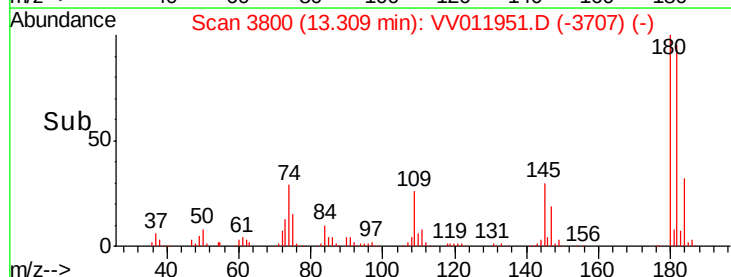
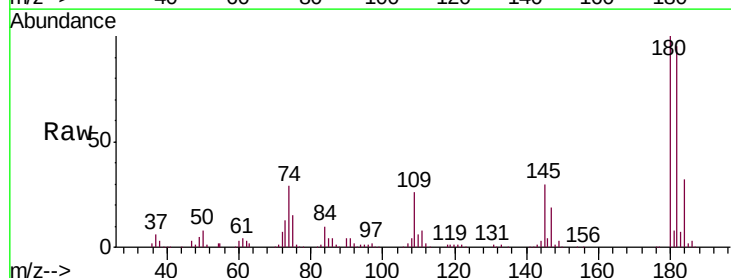
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01034

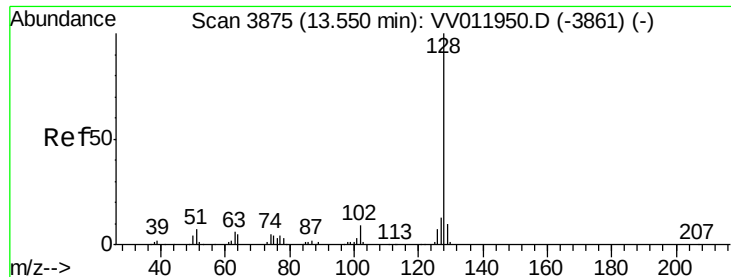
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	77.4	116.0
184	30.4	25.2	37.8
145	28.9	24.4	36.6



#68
 1,2,4-trichlorobenzene
 Concen: 11.462 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. -0.00 min
 Lab File: VV011951.D
 Acq: 22 Jul 2019 16:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	75.8	113.8
145	29.7	23.4	35.2





#69

Naphthalene

Concen: 11.707 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV011951.D

Acq: 22 Jul 2019 16:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD01034

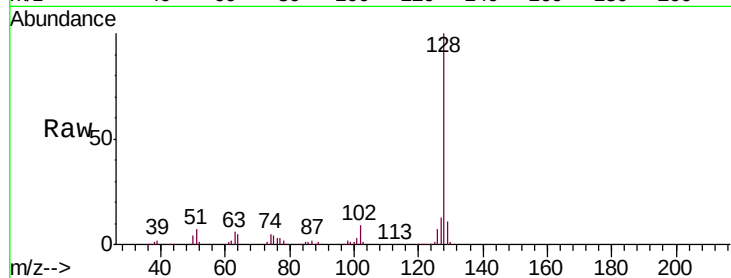
Tgt Ion:128 Resp: 267415

Ion Ratio Lower Upper

128 100

129 10.7 8.2 12.2

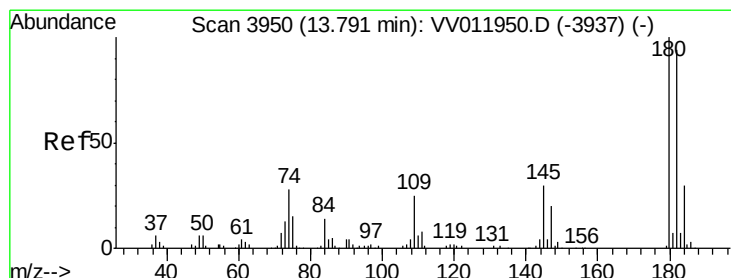
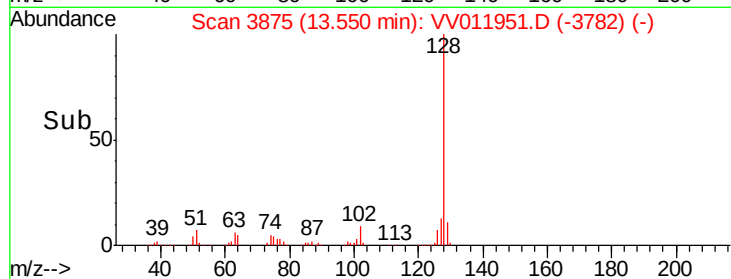
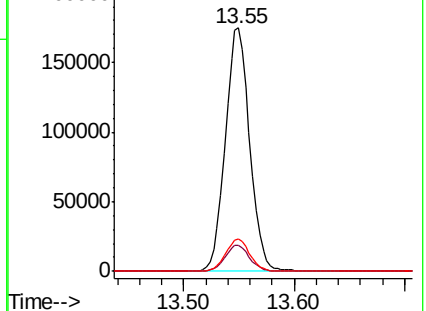
127 13.1 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 11.455 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV011951.D

Acq: 22 Jul 2019 16:26

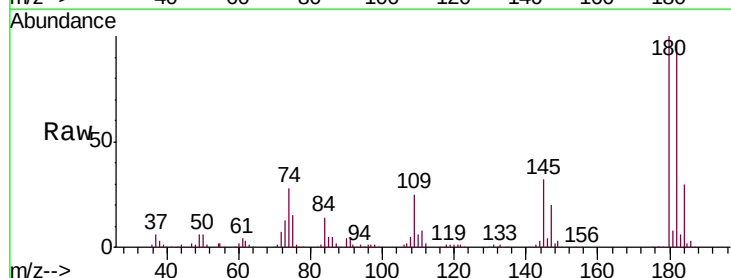
Tgt Ion:180 Resp: 154543

Ion Ratio Lower Upper

180 100

182 95.3 75.5 113.3

145 31.9 24.7 37.1



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

