

Data File : VV012060.D
Acq On : 29 Jul 2019 13:26
Operator : SY/MD
Sample : VSTD02036
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD020361

Quant Time: Jul 30 08:18:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR072919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jul 30 08:12:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	149596	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	142842	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.30	152	79066	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	170020	19.48	ug/L	0.00
7) Chloroethane-d5	1.59	69	123777	19.59	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	324821	21.11	ug/L	0.00
20) 2-Butanone-d5	3.96	46	440567	213.30	ug/L	0.00
24) Chloroform-d	4.40	84	383792	20.27	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	212532	20.08	ug/L	0.00
32) Benzene-d6	5.10	84	813716	21.46	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	227040	21.26	ug/L	0.00
41) Toluene-d8	7.36	98	783370	20.62	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	103518	21.72	ug/L	0.00
46) 2-Hexanone-d5	8.13	63	372944	222.15	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.26	84	161328	20.19	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.67	152	307431	20.78	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	338945	19.571	ug/L	98
3) Chloromethane	1.25	50	193156	20.213	ug/L	99
5) Vinyl chloride	1.32	62	199744	20.261	ug/L	97
6) Bromomethane	1.54	94	122936	20.495	ug/L	98
8) Chloroethane	1.60	64	107199	20.329	ug/L	99
9) Trichlorofluoromethane	1.77	101	352209	21.096	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	154603	21.845	ug/L	96
12) 1,1-Dichloroethene	2.14	96	141638	21.715	ug/L	97
13) Acetone	2.23	43	214189	214.855	ug/L	100
14) Carbon disulfide	2.32	76	406019	22.055	ug/L	99
15) Methyl Acetate	2.47	43	44917	23.050	ug/L	93
16) Methylene chloride	2.54	84	134516	20.413	ug/L	99
17) Methyl tert-butyl Ether	2.81	73	473745	22.486	ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	212056	22.224	ug/L	97
19) 1,1-Dichloroethane	3.23	63	371209	21.183	ug/L	99
21) 2-Butanone	4.05	43	475199	231.139	ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	226891	22.283	ug/L	99
23) Bromochloromethane	4.30	128	98684	21.804	ug/L	97
25) Chloroform	4.43	83	442792	20.308	ug/L	99
27) 1,2-Dichloroethane	5.18	62	258256	21.869	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	390326	22.180	ug/L	99
30) Cyclohexane	4.72	56	355034	23.444	ug/L	98
31) Carbon tetrachloride	4.88	117	356687	22.202	ug/L	99
33) Benzene	5.15	78	861424	21.967	ug/L	100
34) Trichloroethene	5.96	95	240866	22.126	ug/L	97
35) Methylcyclohexane	6.18	83	395562	22.978	ug/L	100
37) 1,2-Dichloropropane	6.22	63	201908	22.323	ug/L	99
38) Bromodichloromethane	6.56	83	284570	22.220	ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	330545	22.956	ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	1156972	224.210	ug/L	100

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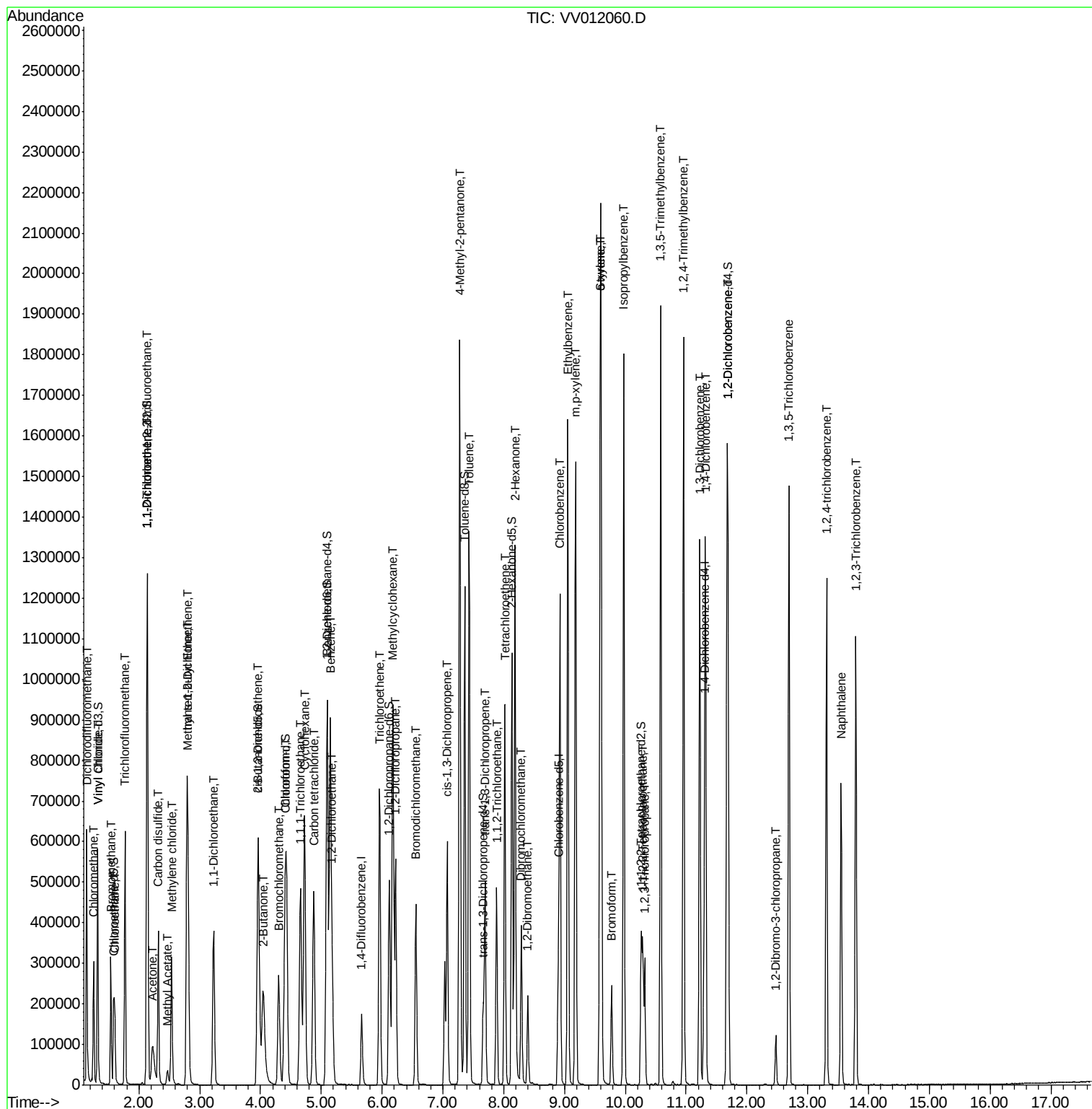
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	953295	21.464	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	263699	22.726	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	141072	20.656	ug/L	94
47) Tetrachloroethene	8.02	164	211221	21.004	ug/L	97
48) 2-Hexanone	8.19	43	825181	222.904	ug/L	100
49) Dibromochloromethane	8.29	129	192709	22.391	ug/L	100
50) 1,2-Dibromoethane	8.40	107	139868	21.685	ug/L	99
51) Chlorobenzene	8.92	112	617463	21.535	ug/L	99
52) Ethylbenzene	9.05	91	1108095	22.269	ug/L	99
53) m,p-xylene	9.18	106	425413	21.641	ug/L	98
54) o-xylene	9.59	106	409114	22.570	ug/L	95
55) Styrene	9.60	104	695351	22.375	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.29	83	158466	21.420	ug/L	99
59) Bromoform	9.77	173	107812	23.652	ug/L	99
60) Isopropylbenzene	9.97	105	1130177	22.708	ug/L	99
61) 1,2,3-Trichloropropane	10.32	75	120568	21.507	ug/L	98
62) 1,3,5-Trimethylbenzene	10.58	105	996204	23.783	ug/L	99
63) 1,2,4-Trimethylbenzene	10.96	105	980158	23.059	ug/L	98
64) 1,3-Dichlorobenzene	11.22	146	536257	22.043	ug/L	99
65) 1,4-Dichlorobenzene	11.32	146	536673	21.491	ug/L	98
67) 1,2-Dichlorobenzene	11.69	146	487606	21.895	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.48	75	28627	24.156	ug/L	94
69) 1,3,5-Trichlorobenzene	12.69	180	449684	22.803	ug/L	99
70) 1,2,4-trichlorobenzene	13.31	180	380010	24.381	ug/L	99
71) Naphthalene	13.55	128	574177	27.287	ug/L	99
72) 1,2,3-Trichlorobenzene	13.79	180	334255	23.861	ug/L	98

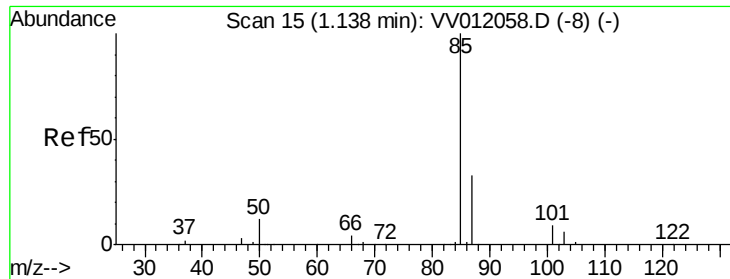
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 19.571 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV012060.D

Acq: 29 Jul 2019 13:26

Instrument :

MSVOA_V

ClientSampleId :

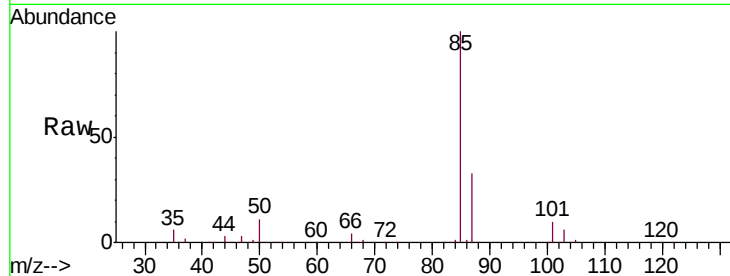
VSTD020361

Tgt Ion: 85 Resp: 338945

Ion Ratio Lower Upper

85 100

87 33.3 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV012058.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV012058.D (-8) (-)

1.14

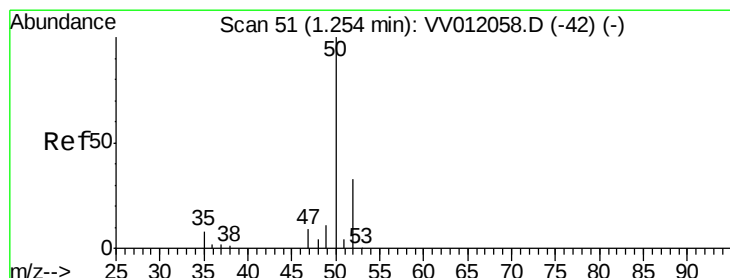
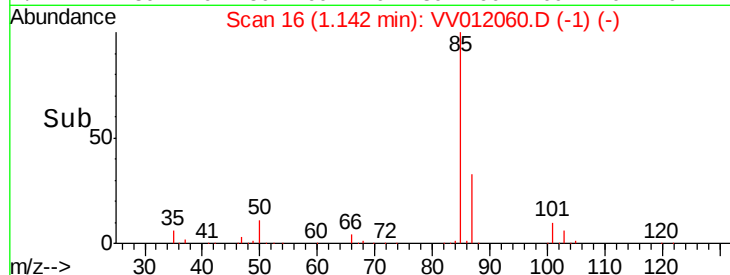
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 20.213 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV012060.D

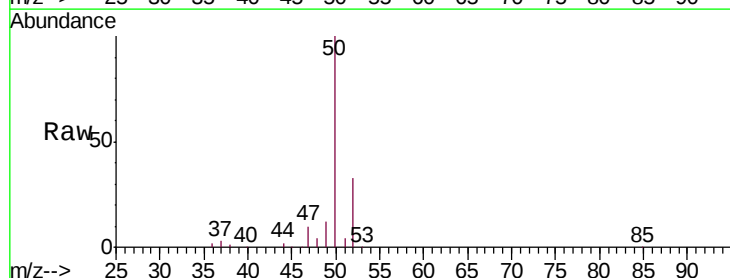
Acq: 29 Jul 2019 13:26

Tgt Ion: 50 Resp: 193156

Ion Ratio Lower Upper

50 100

52 32.7 23.4 43.4



Abundance Ion 50.05 (49.75 to 50.75): VV012058.D (-42) (-)

Ion 52.05 (51.75 to 52.75): VV012058.D (-42) (-)

1.25

200000

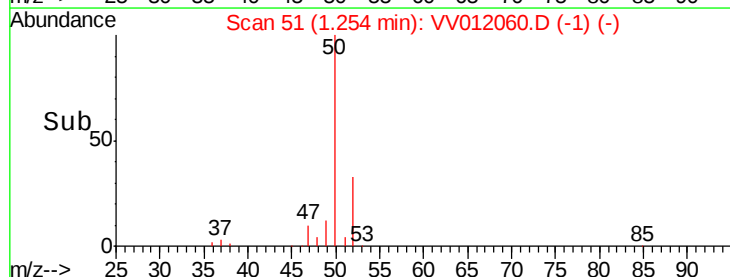
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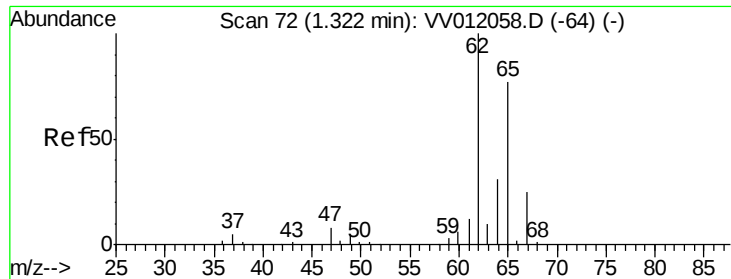
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 20.261 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV012060.D

Acq: 29 Jul 2019 13:26

Instrument :

MSVOA_V

ClientSampleId :

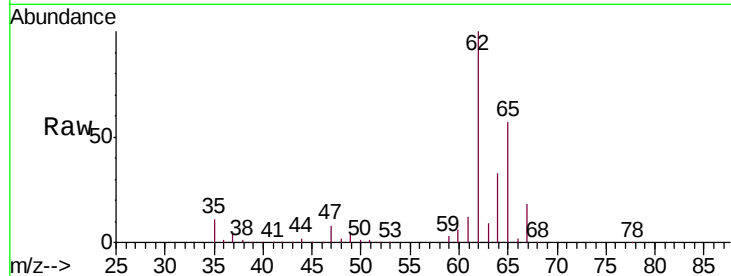
VSTD020361

Tgt Ion: 62 Resp: 199744

Ion Ratio Lower Upper

62 100

64 33.4 22.0 41.0



Abundance Ion 62.00 (61.70 to 62.70): VV012058.D (-64) (-)

Ion 64.10 (63.80 to 64.80): VV012058.D (-64) (-)

1.32

200000

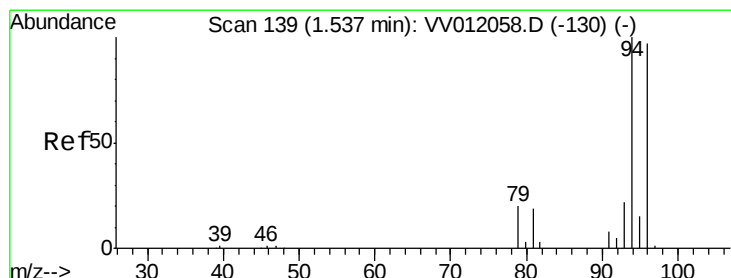
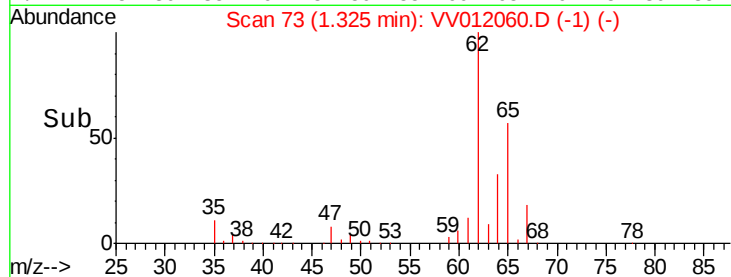
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 20.495 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV012060.D

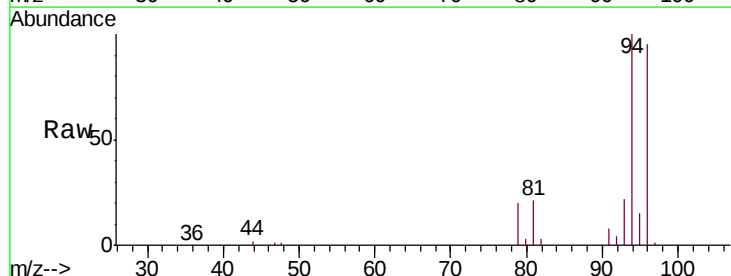
Acq: 29 Jul 2019 13:26

Tgt Ion: 94 Resp: 122936

Ion Ratio Lower Upper

94 100

96 95.1 67.8 125.8



Abundance Ion 94.00 (93.70 to 94.70): VV012058.D (-130) (-)

Ion 96.00 (95.70 to 96.70): VV012058.D (-130) (-)

1.54

120000

100000

80000

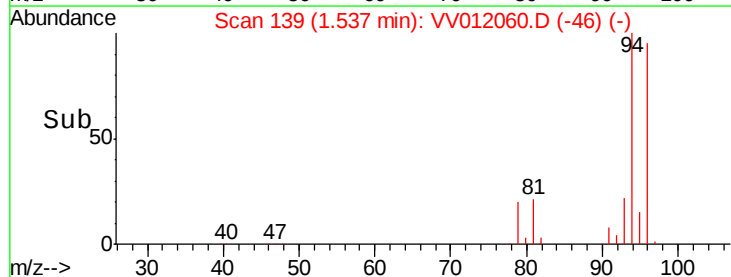
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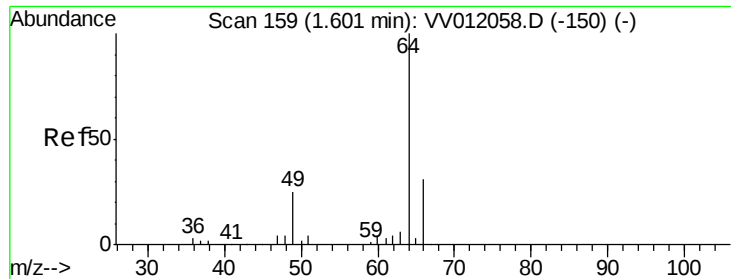
40000

20000

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Time-->

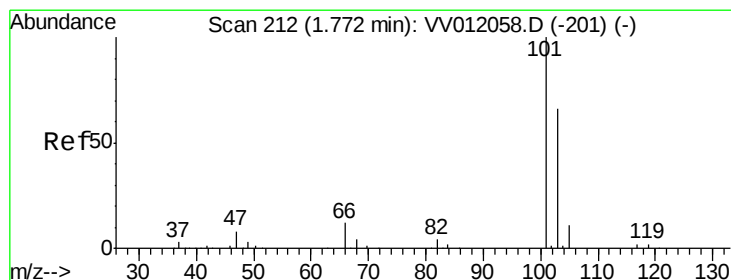
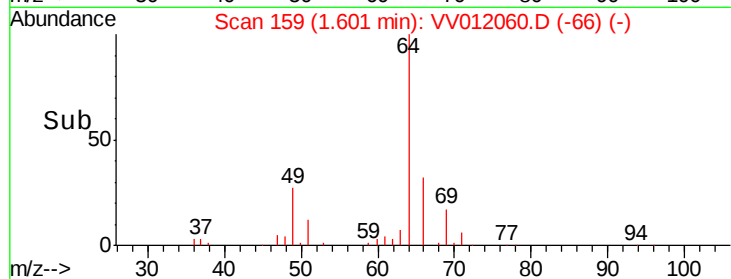
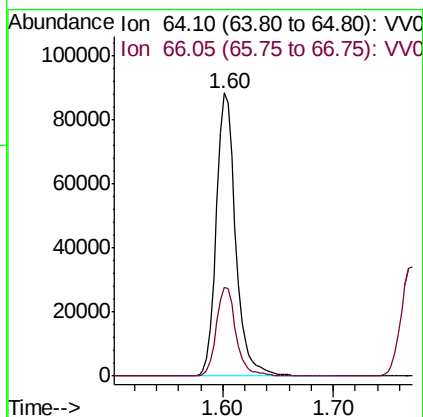
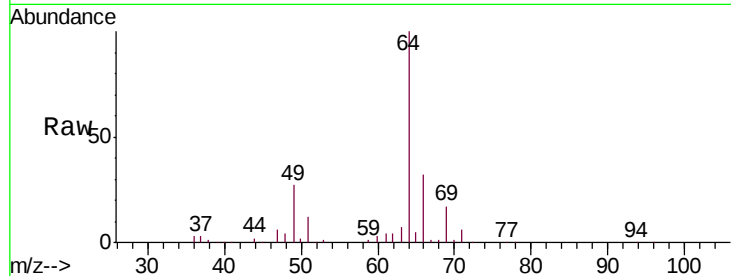




#8
Chloroethane
Concen: 20.329 ug/L
RT: 1.60 min Scan# 159
Delta R.T. -0.00 min
Lab File: VV012060.D
Acq: 29 Jul 2019 13:26

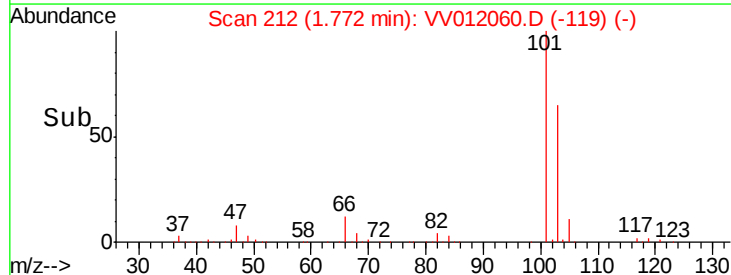
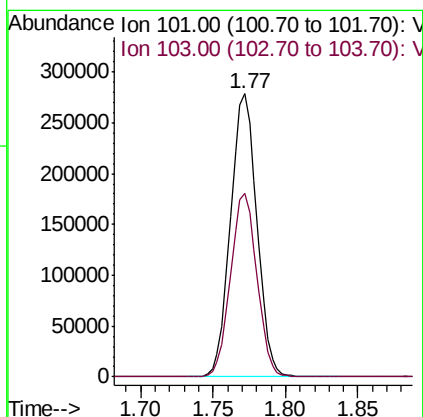
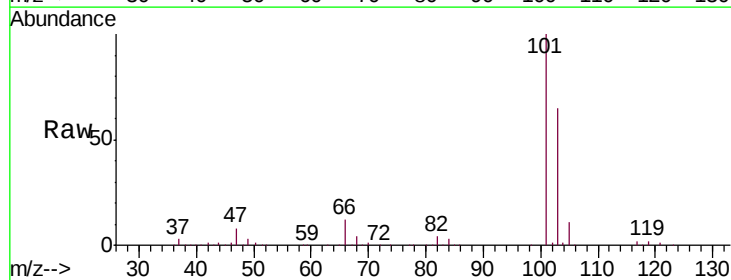
Instrument :
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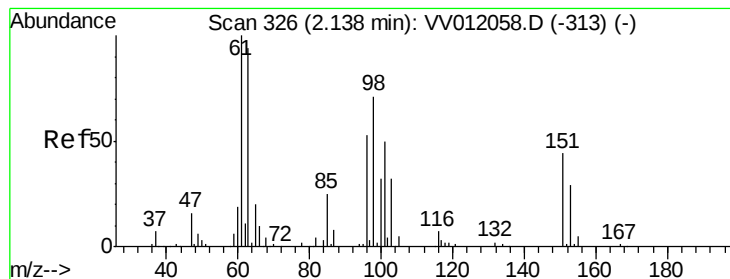
Tgt Ion: 64 Resp: 107199
Ion Ratio Lower Upper
64 100
66 31.6 21.7 40.3



#9
Trichlorofluoromethane
Concen: 21.096 ug/L
RT: 1.77 min Scan# 212
Delta R.T. -0.00 min
Lab File: VV012060.D
Acq: 29 Jul 2019 13:26

Tgt Ion: 101 Resp: 352209
Ion Ratio Lower Upper
101 100
103 65.0 52.6 79.0





#10

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

Concen: 21.845 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV012060.D

Acq: 29 Jul 2019 13:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD020361

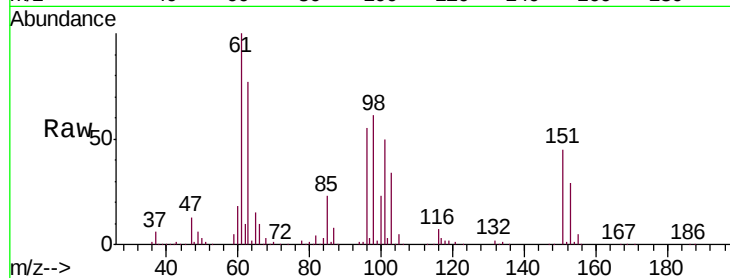
Tgt Ion: 101 Resp: 154603

Ion Ratio Lower Upper

101 100

85 44.0 37.8 56.8

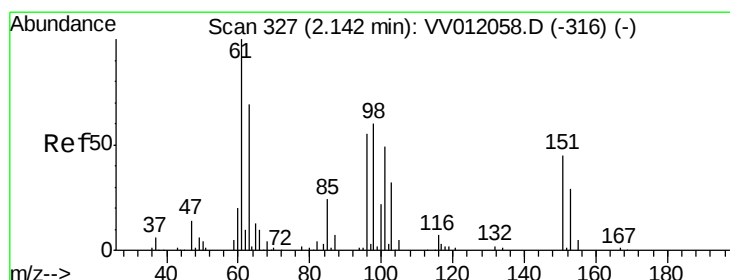
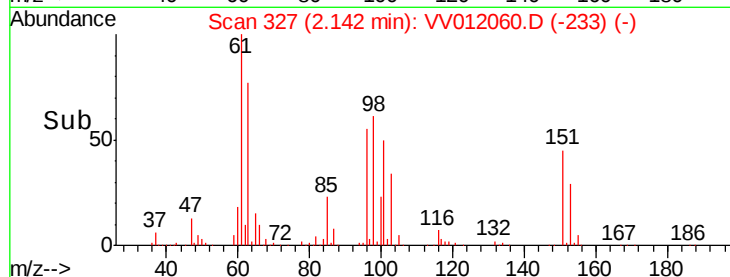
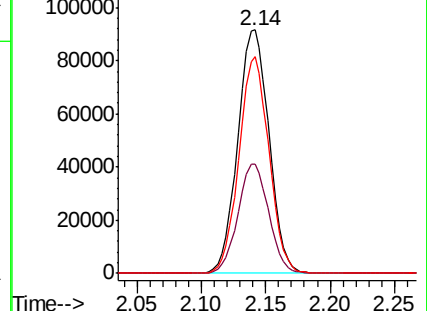
151 85.4 71.4 107.2



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: 21.715 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV012060.D

Acq: 29 Jul 2019 13:26

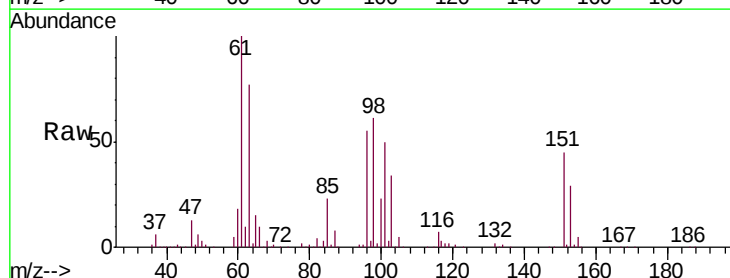
Tgt Ion: 96 Resp: 141638

Ion Ratio Lower Upper

96 100

61 183.0 127.8 237.4

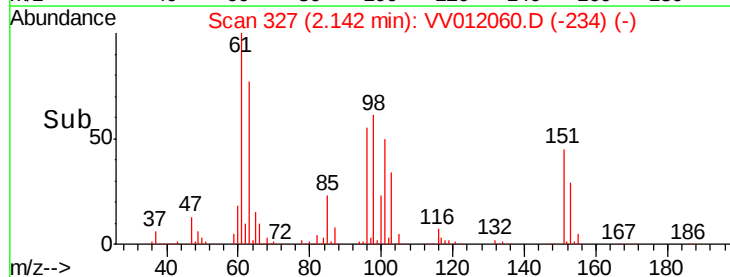
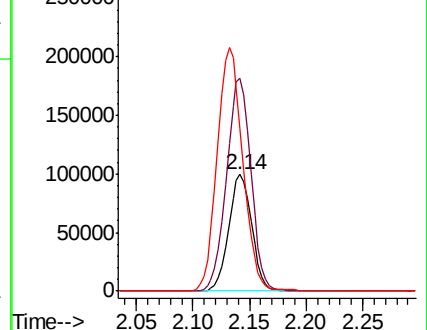
63 140.4 92.7 172.3

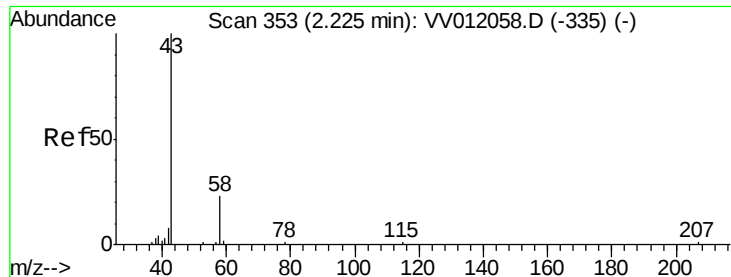


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 214.855 ug/L

RT: 2.23 min Scan# 353

Delta R.T. -0.00 min

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ClientSampleId :

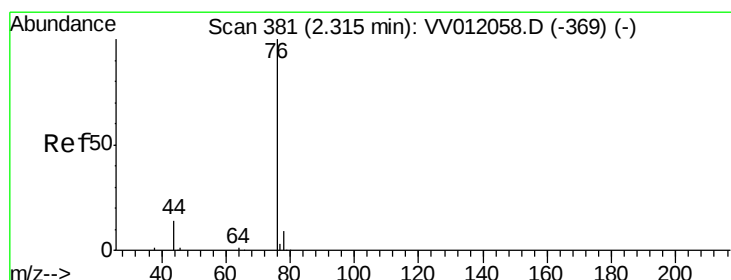
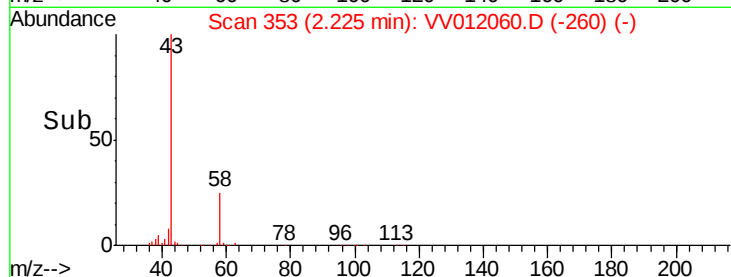
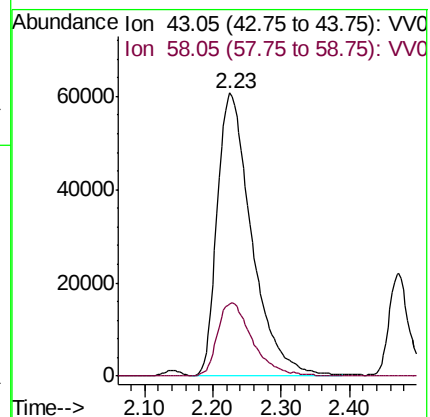
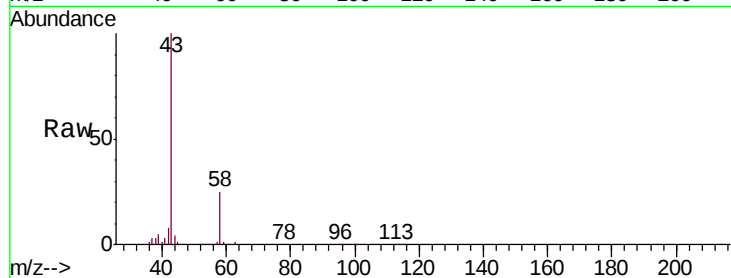
VSTD020361

Tgt Ion: 43 Resp: 214189

Ion Ratio Lower Upper

43 100

58 25.7 0.0 51.6



#14

Carbon disulfide

Concen: 22.055 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV012060.D

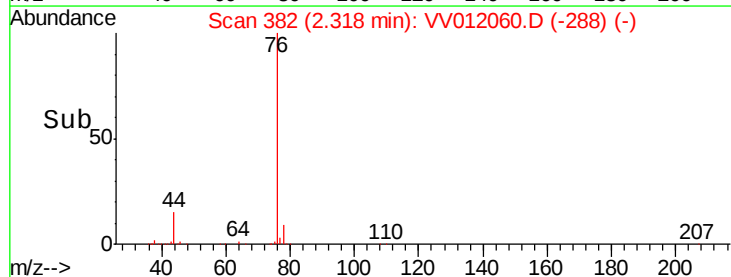
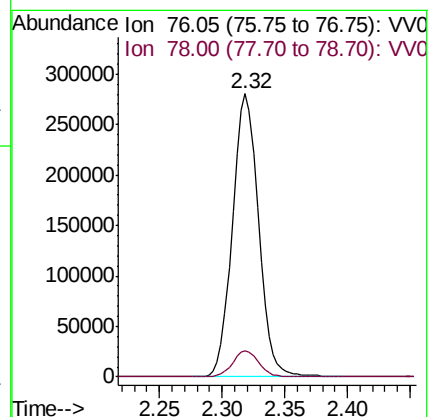
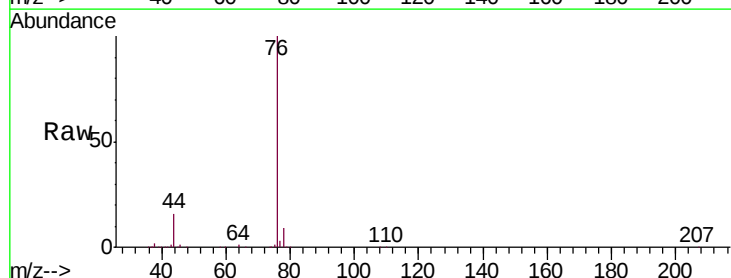
Acq: 29 Jul 2019 13:26

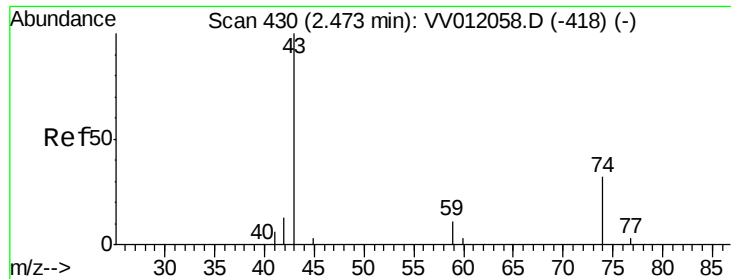
Tgt Ion: 76 Resp: 406019

Ion Ratio Lower Upper

76 100

78 9.3 7.2 10.8

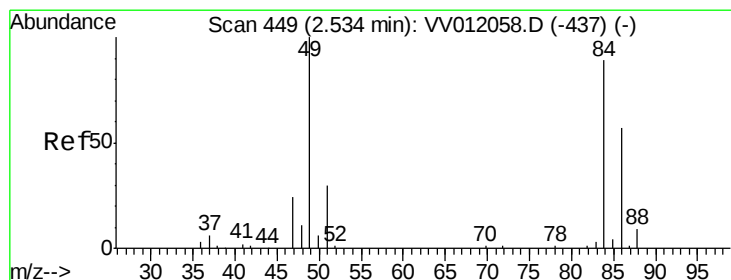
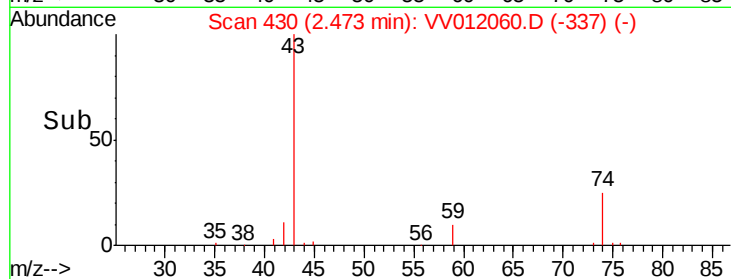
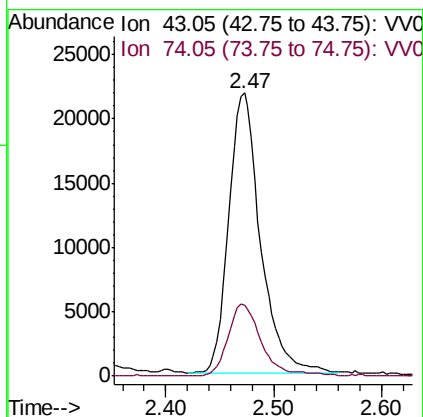
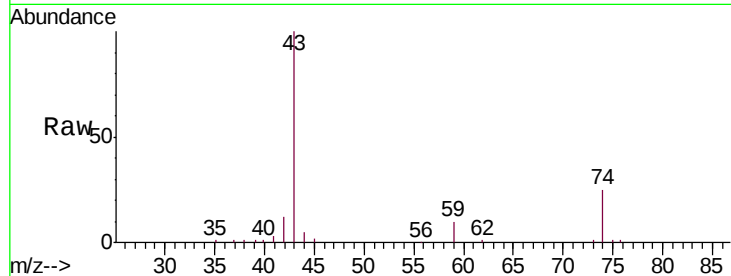




#15
Methyl Acetate
Concen: 23.050 ug/L
RT: 2.47 min Scan# 430
Delta R.T. -0.00 min
Lab File: VV012060.D
Acq: 29 Jul 2019 13:26

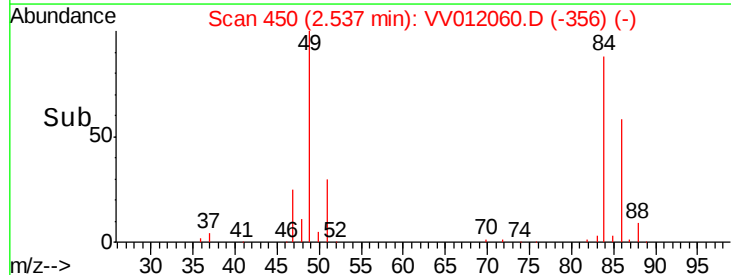
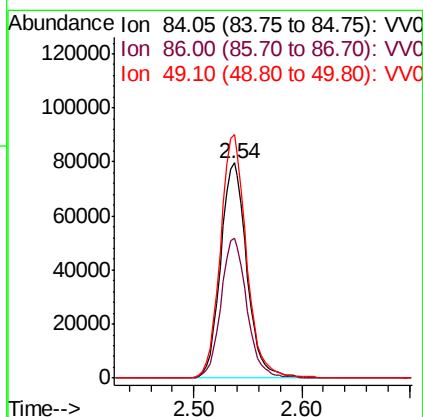
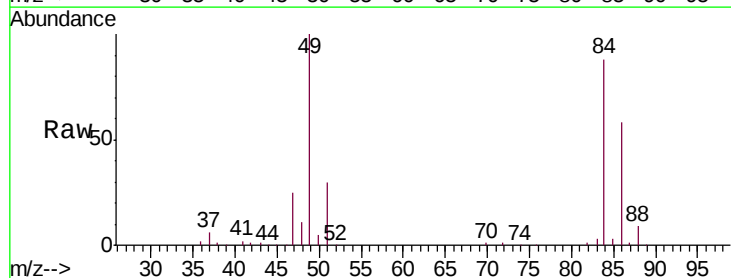
Instrument :
MSVOA_V
ClientSampleId :
VSTD020361

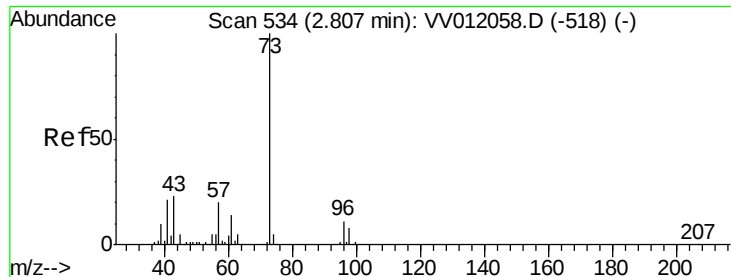
Tgt Ion: 43 Resp: 44917
Ion Ratio Lower Upper
43 100
74 26.7 24.4 36.6



#16
Methylene chloride
Concen: 20.413 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV012060.D
Acq: 29 Jul 2019 13:26

Tgt Ion: 84 Resp: 134516
Ion Ratio Lower Upper
84 100
86 65.3 44.9 83.3
49 113.1 78.6 146.0





#17

Methyl tert-butyl Ether

Concen: 22.486 ug/L

RT: 2.81 min Scan# 535

Delta R.T. 0.00 min

Lab File: VV012060.D

Acq: 29 Jul 2019 13:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD020361

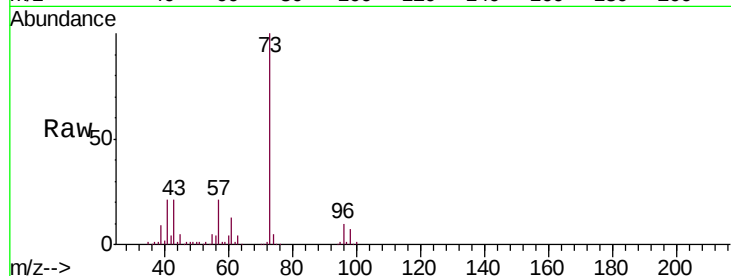
Tgt Ion: 73 Resp: 473745

Ion Ratio Lower Upper

73 100

43 20.9 17.6 26.4

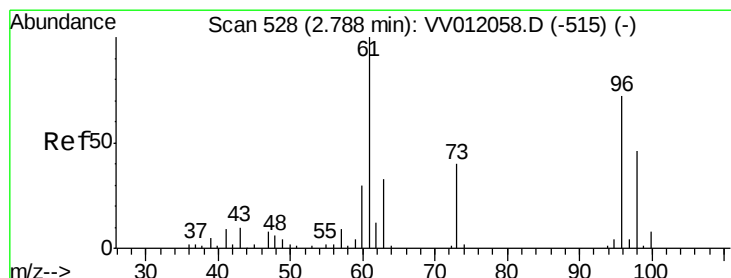
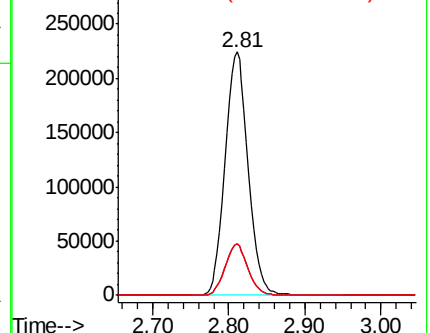
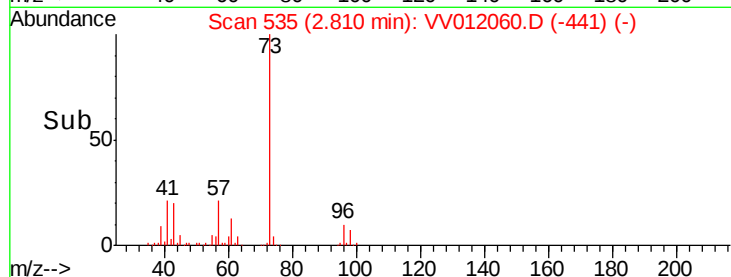
57 20.8 17.0 25.6



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: 22.224 ug/L

RT: 2.79 min Scan# 528

Delta R.T. -0.00 min

Lab File: VV012060.D

Acq: 29 Jul 2019 13:26

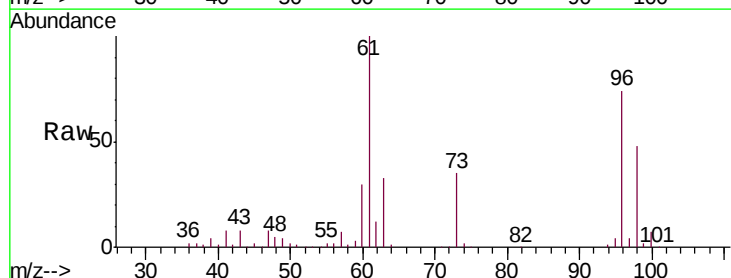
Tgt Ion: 96 Resp: 212056

Ion Ratio Lower Upper

96 100

61 134.2 97.2 180.6

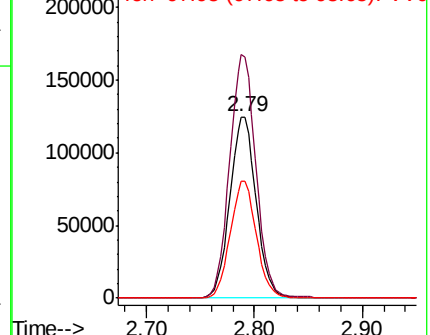
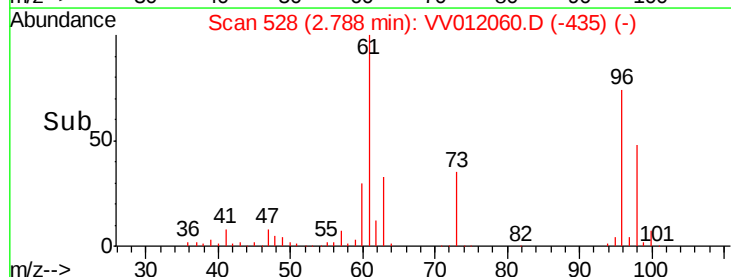
98 64.7 45.0 83.6

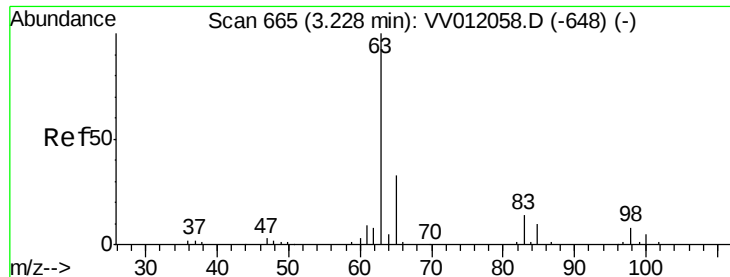


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0

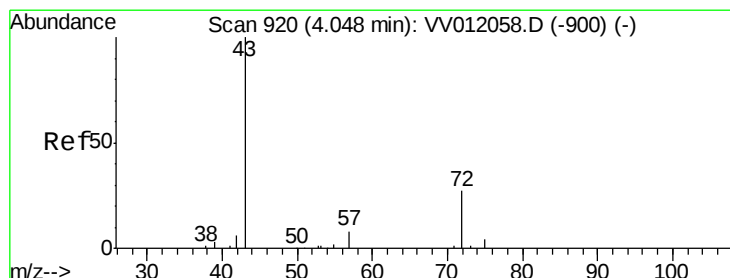
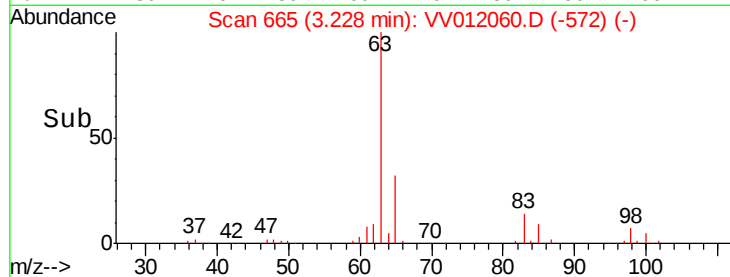
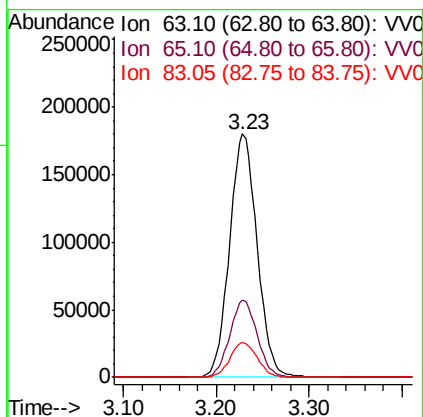
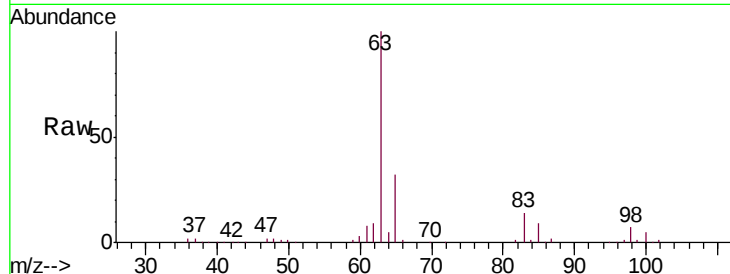




#19
 1,1-Dichloroethane
 Concen: 21.183 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV012060.D
 Acq: 29 Jul 2019 13:26

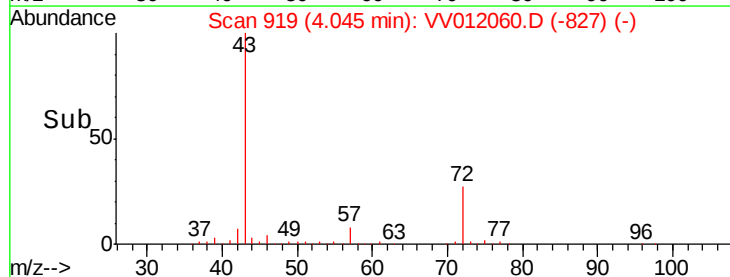
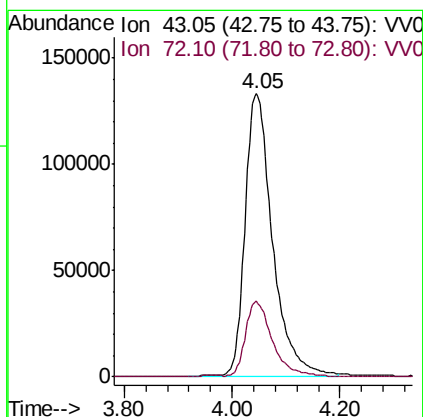
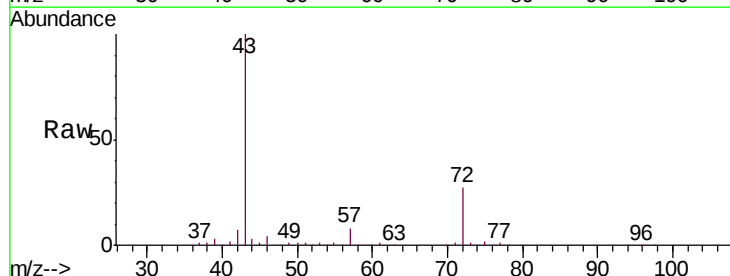
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD020361

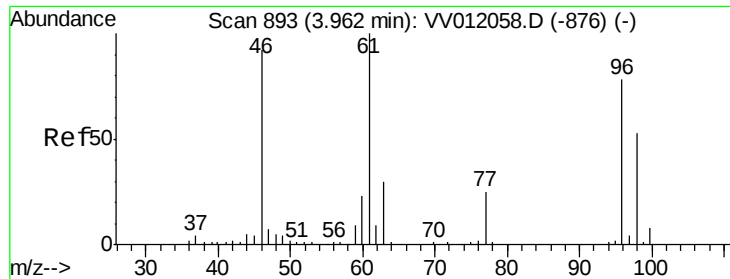
Tgt Ion: 63 Resp: 371209
 Ion Ratio Lower Upper
 63 100
 65 31.9 23.0 42.6
 83 14.2 9.7 17.9



#21
 2-Butanone
 Concen: 231.139 ug/L
 RT: 4.05 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VV012060.D
 Acq: 29 Jul 2019 13:26

Tgt Ion: 43 Resp: 475199
 Ion Ratio Lower Upper
 43 100
 72 25.9 13.4 40.2



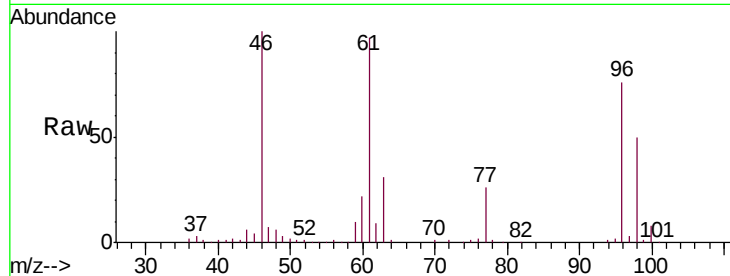


#22

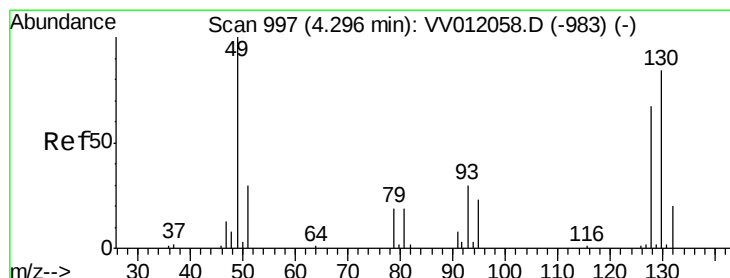
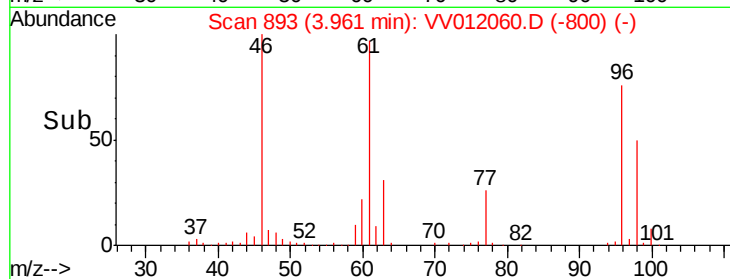
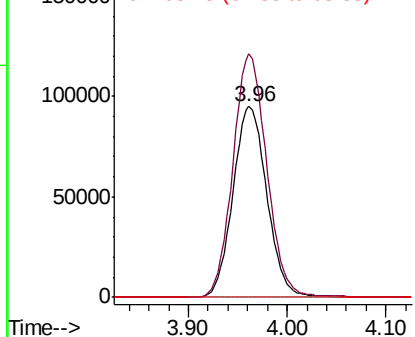
cis-1,2-Dichloroethene
 Concen: 22.283 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. -0.00 min
 Lab File: VV012060.D
 Acq: 29 Jul 2019 13:26

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD020361

Tgt Ion: 96 Resp: 226891
 Ion Ratio Lower Upper
 96 100
 61 127.5 90.0 167.2
 68 0.0 0.0 0.0



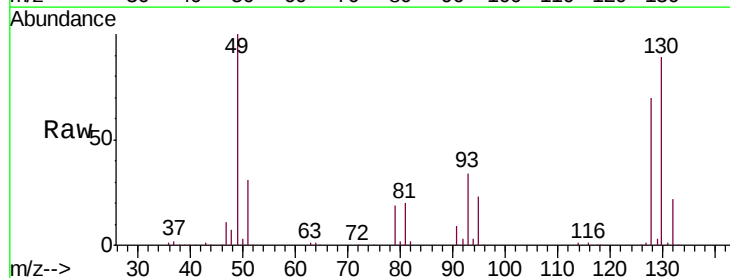
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



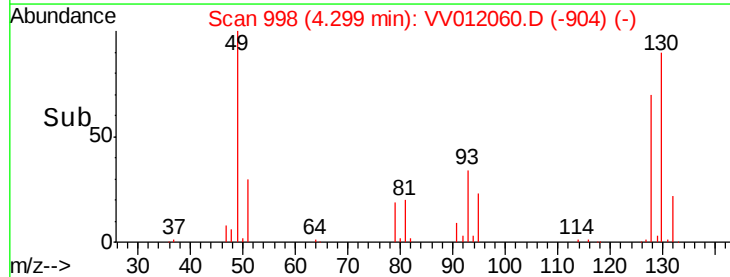
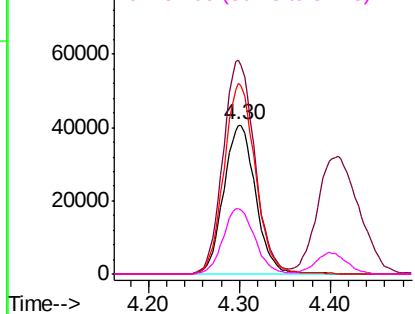
#23

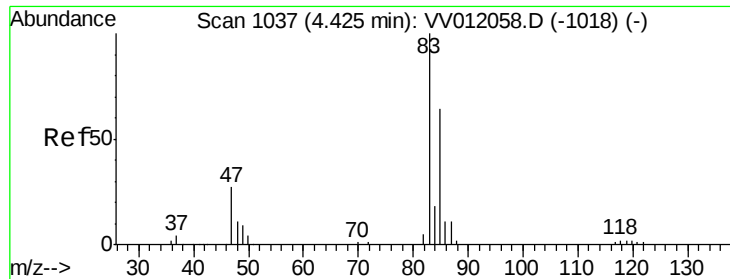
Bromochloromethane
 Concen: 21.804 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VV012060.D
 Acq: 29 Jul 2019 13:26

Tgt Ion: 128 Resp: 98684
 Ion Ratio Lower Upper
 128 100
 49 143.6 105.1 195.1
 130 128.1 88.9 165.1
 51 44.1 36.2 54.2



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

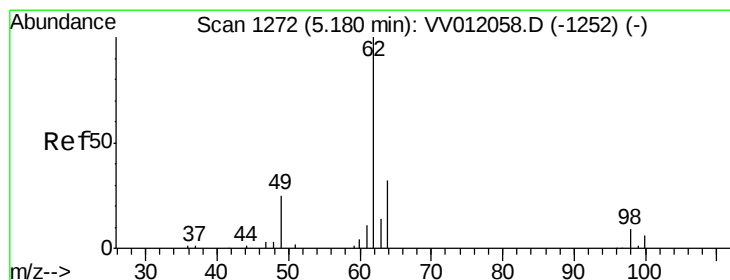
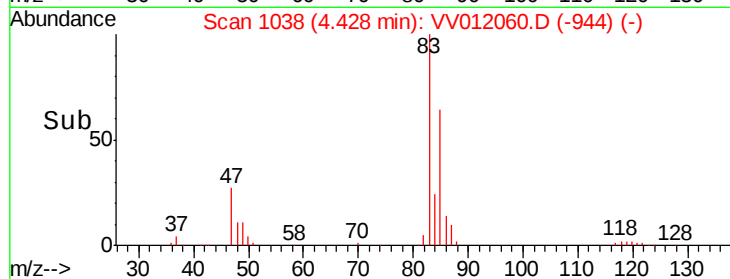
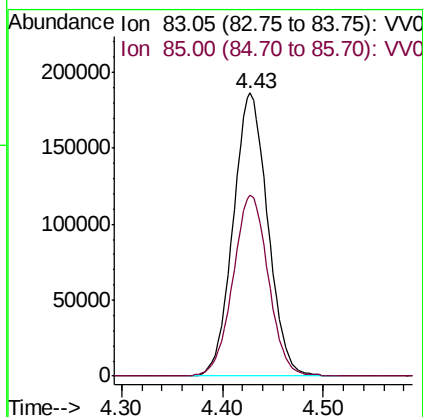
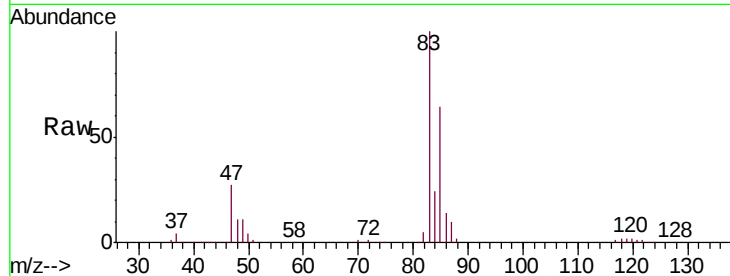




#25
Chloroform
Concen: 20.308 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV012060.D
Acq: 29 Jul 2019 13:26

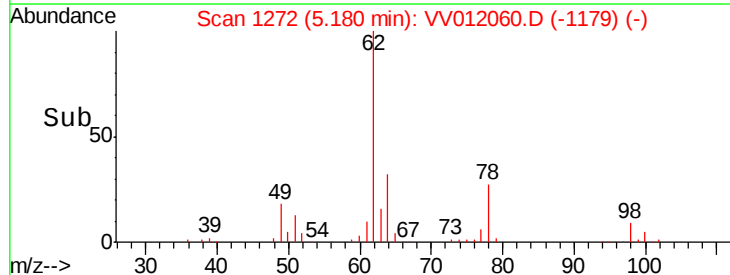
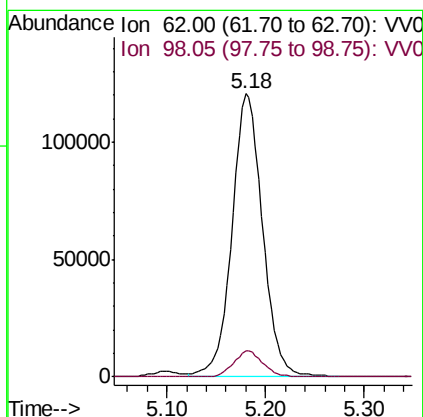
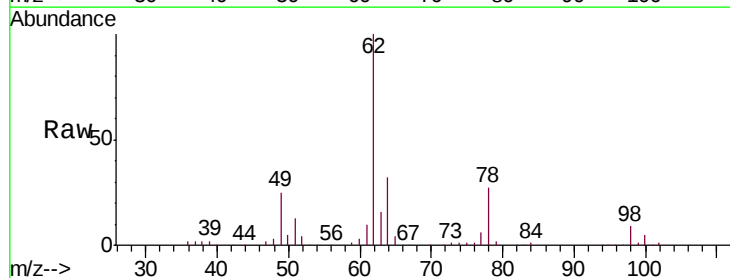
Instrument :
MSVOA_V
ClientSampleId :
VSTD020361

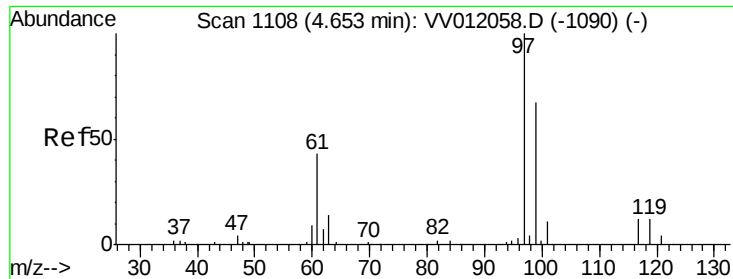
Tgt Ion: 83 Resp: 442792
Ion Ratio Lower Upper
83 100
85 64.1 45.2 84.0



#27
1,2-Dichloroethane
Concen: 21.869 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VV012060.D
Acq: 29 Jul 2019 13:26

Tgt Ion: 62 Resp: 258256
Ion Ratio Lower Upper
62 100
98 9.3 7.0 10.6

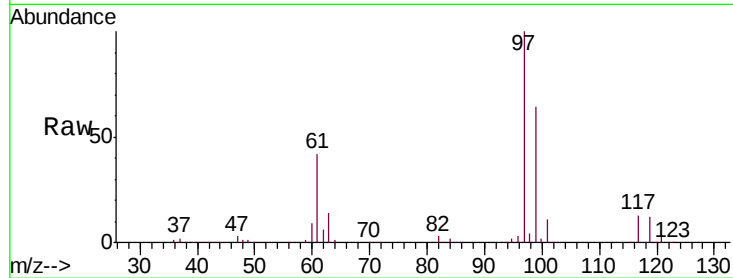




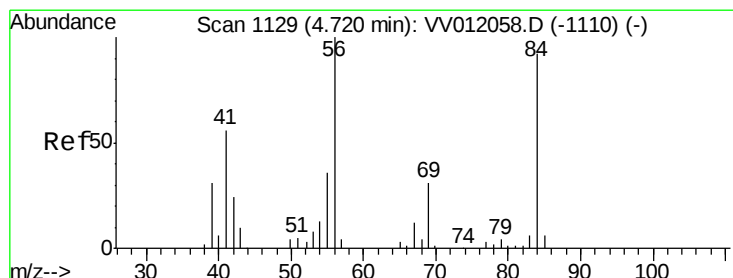
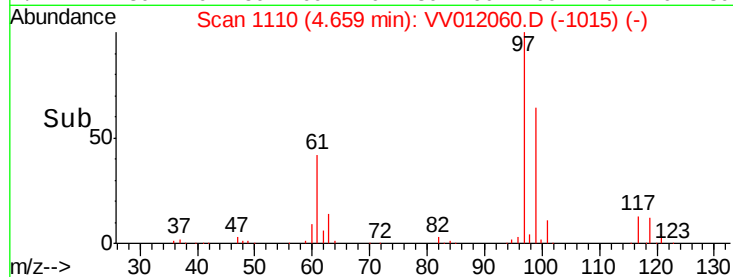
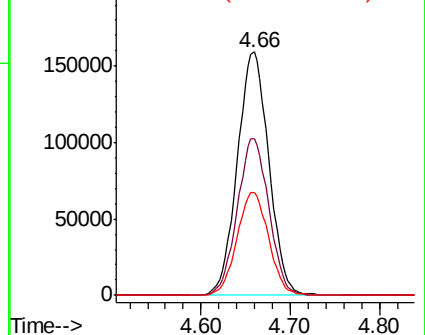
#29
 1,1,1-Trichloroethane
 Concen: 22.180 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. 0.01 min
 Lab File: VV012060.D
 Acq: 29 Jul 2019 13:26

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD020361

Tgt Ion: 97 Resp: 390326
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.8 77.8
 61 42.5 34.5 51.7

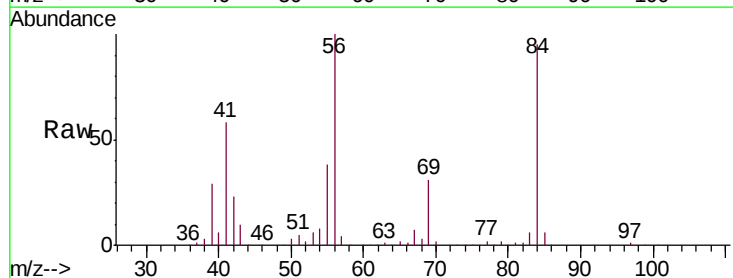


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

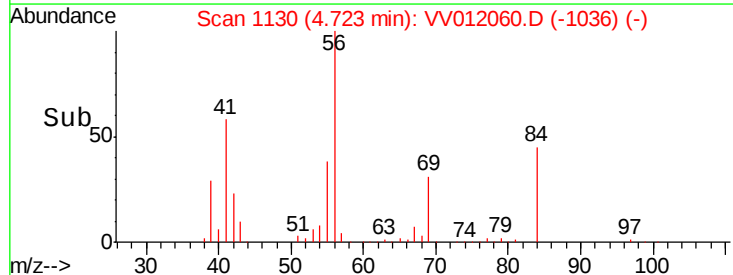
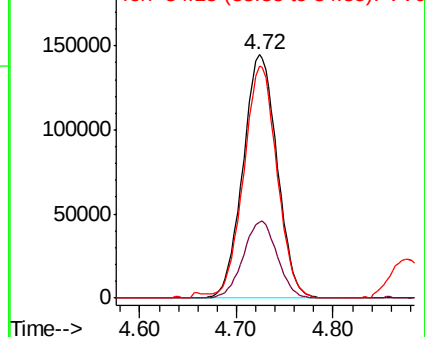


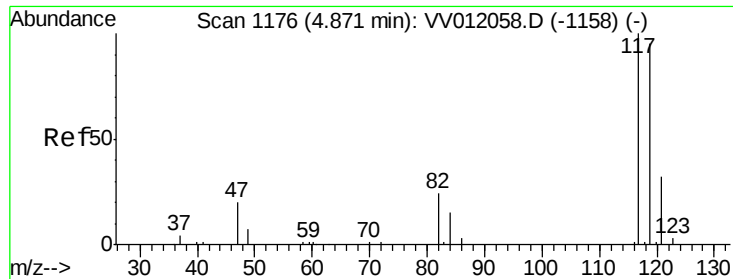
#30
 Cyclohexane
 Concen: 23.444 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. 0.00 min
 Lab File: VV012060.D
 Acq: 29 Jul 2019 13:26

Tgt Ion: 56 Resp: 355034
 Ion Ratio Lower Upper
 56 100
 69 31.4 24.8 37.2
 84 92.5 75.4 113.2



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: 22.202 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.01 min

Lab File: VV012060.D

Acq: 29 Jul 2019 13:26

Instrument :

MSVOA_V

ClientSampleId :

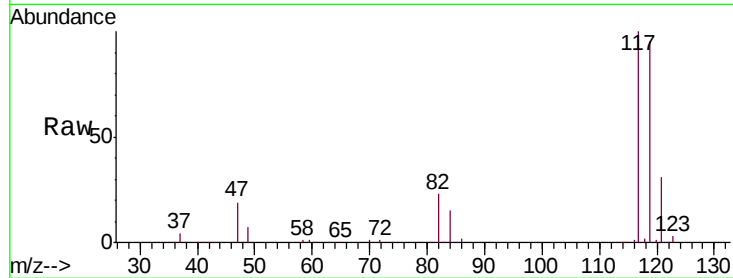
VSTD020361

Tgt Ion:117 Resp: 356687

Ion Ratio Lower Upper

117 100

119 96.5 77.7 116.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.88

150000

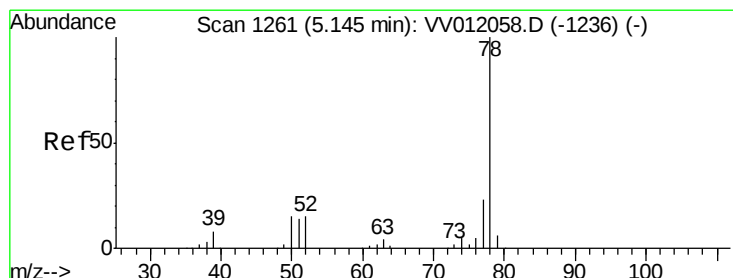
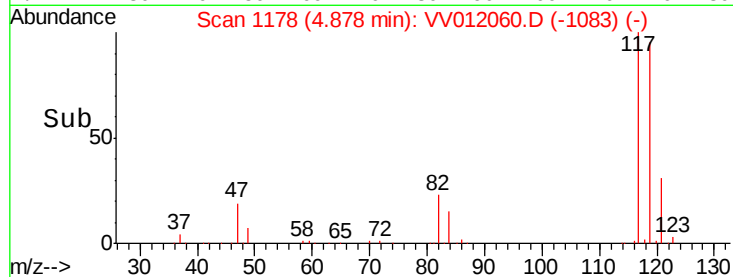
100000

50000

0

Time-->

4.80 4.90 5.00



#33

Benzene

Concen: 21.967 ug/L

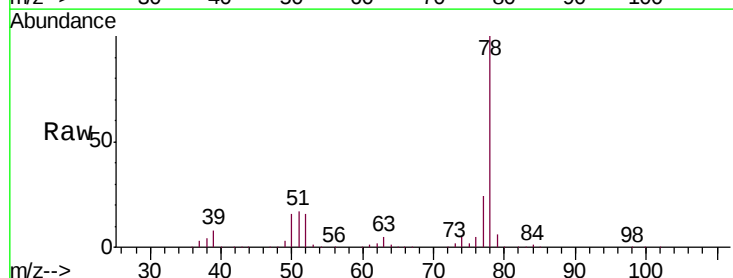
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VV012060.D

Acq: 29 Jul 2019 13:26

Tgt Ion: 78 Resp: 861424



Abundance Ion 78.10 (77.80 to 78.80): VV0

5.15

400000

300000

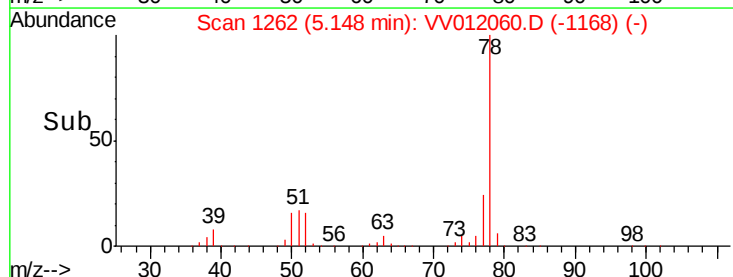
200000

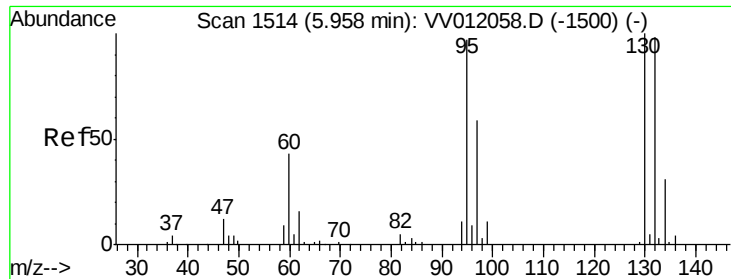
100000

0

Time-->

5.00 5.10 5.20

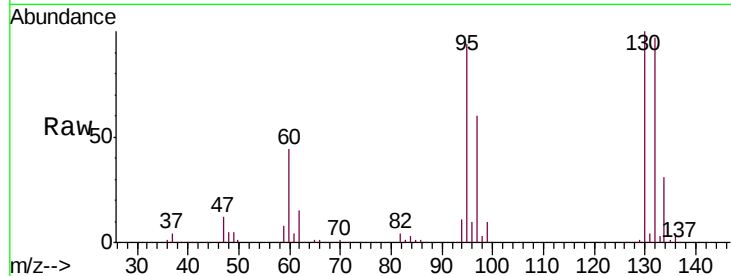




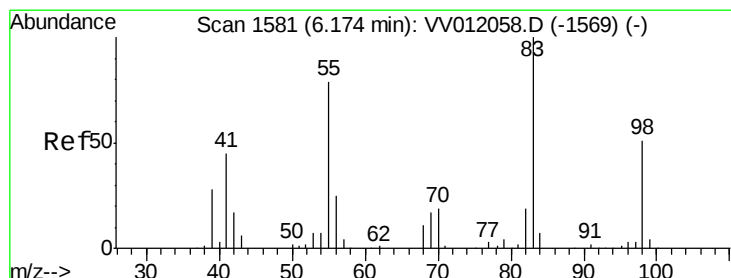
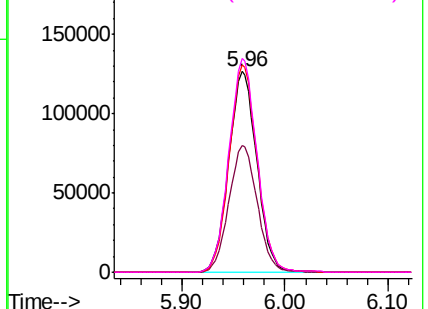
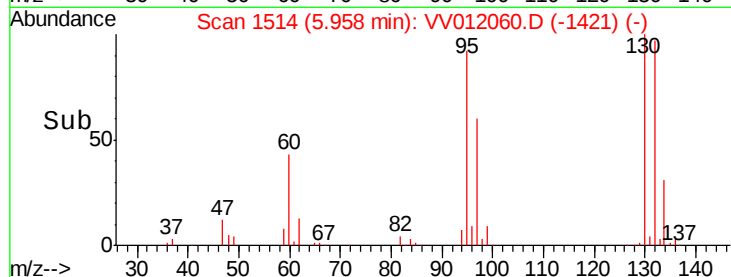
#34
 Trichloroethene
 Concen: 22.126 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: VV012060.D
 Acq: 29 Jul 2019 13:26

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD020361

Tgt Ion: 95 Resp: 240866
 Ion Ratio Lower Upper
 95 100
 97 63.4 42.8 79.6
 132 103.2 70.8 131.6
 130 106.5 72.3 134.3

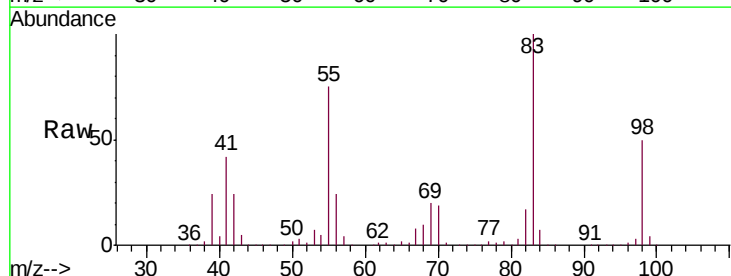


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

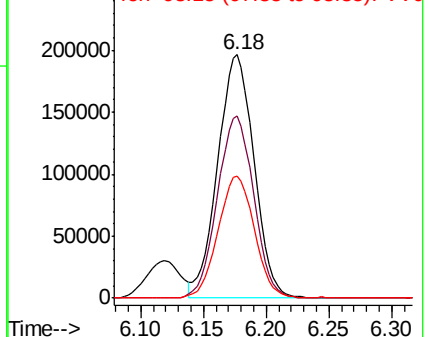
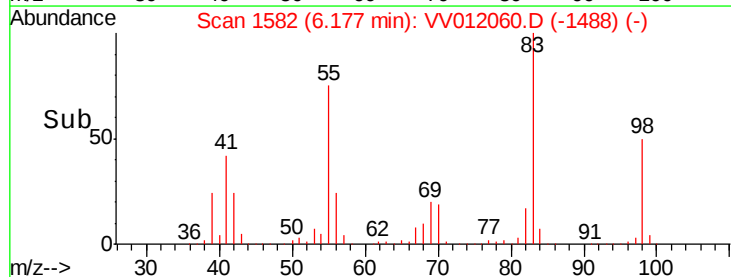


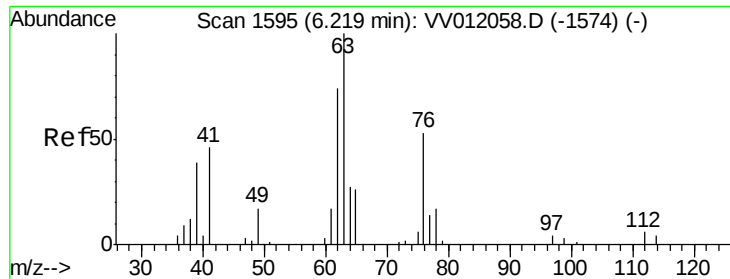
#35
 Methylcyclohexane
 Concen: 22.978 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VV012060.D
 Acq: 29 Jul 2019 13:26

Tgt Ion: 83 Resp: 395562
 Ion Ratio Lower Upper
 83 100
 55 74.8 60.1 90.1
 98 50.0 40.2 60.4



Abundance Ion 83.15 (82.85 to 83.85): VV0
 Ion 55.10 (54.80 to 55.80): VV0
 Ion 98.15 (97.85 to 98.85): VV0

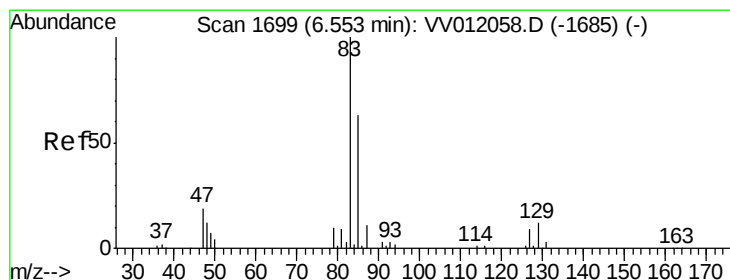
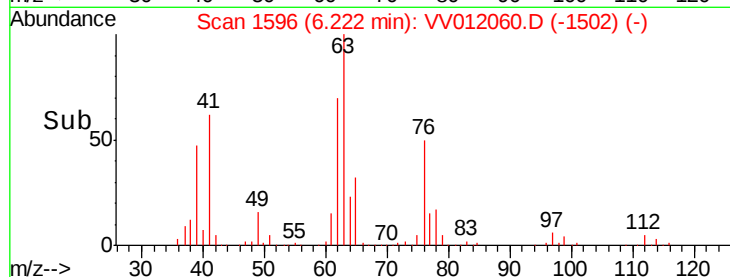
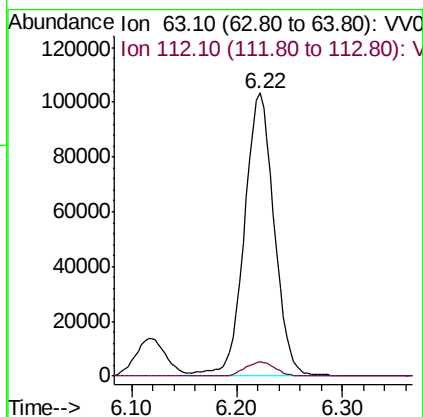
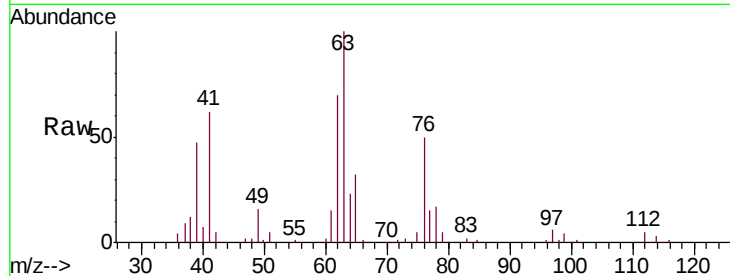




#37
 1,2-Dichloropropane
 Concen: 22.323 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VV012060.D
 Acq: 29 Jul 2019 13:26

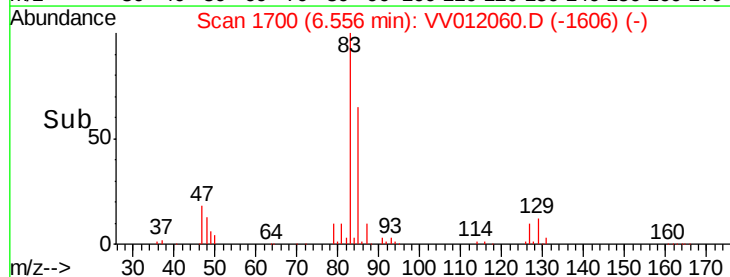
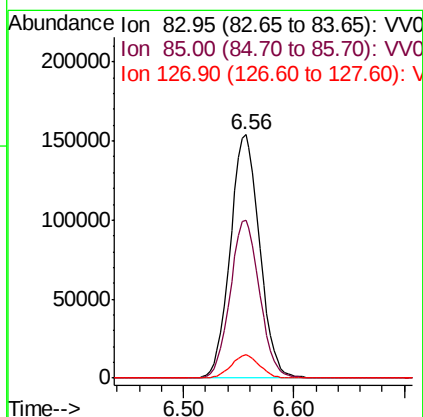
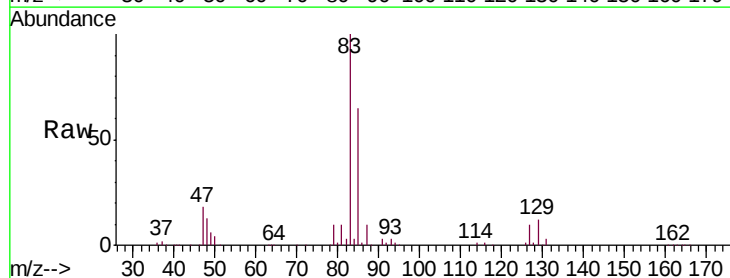
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD020361

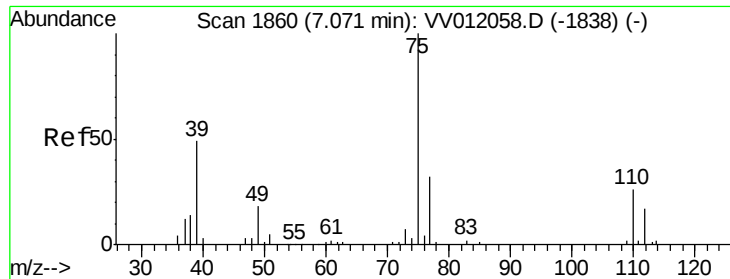
Tgt Ion: 63 Resp: 201908
 Ion Ratio Lower Upper
 63 100
 112 5.1 3.8 5.6



#38
 Bromodichloromethane
 Concen: 22.220 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV012060.D
 Acq: 29 Jul 2019 13:26

Tgt Ion: 83 Resp: 284570
 Ion Ratio Lower Upper
 83 100
 85 65.1 43.9 81.5
 127 9.6 6.9 10.3

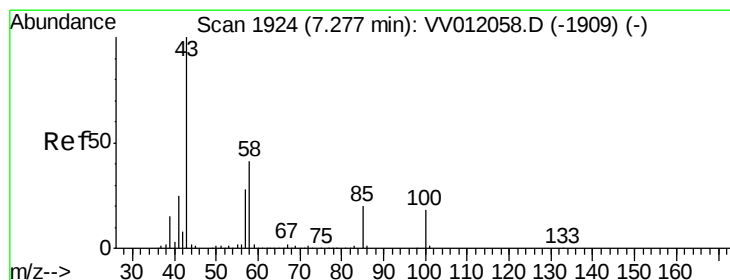
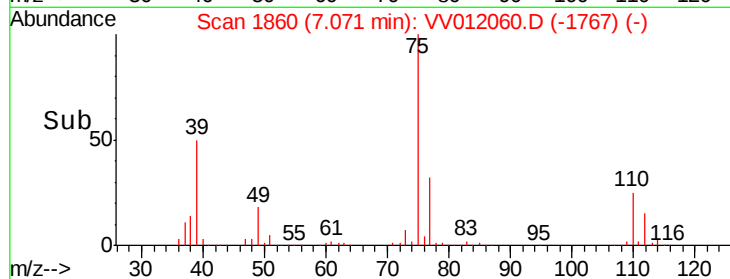
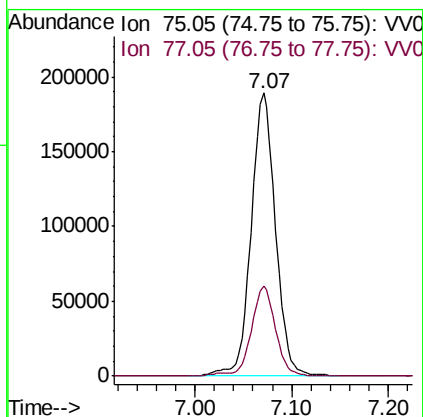
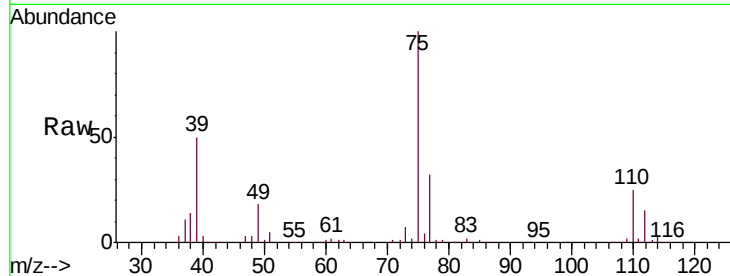




#39
 cis-1,3-Dichloropropene
 Concen: 22.956 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VV012060.D
 Acq: 29 Jul 2019 13:26

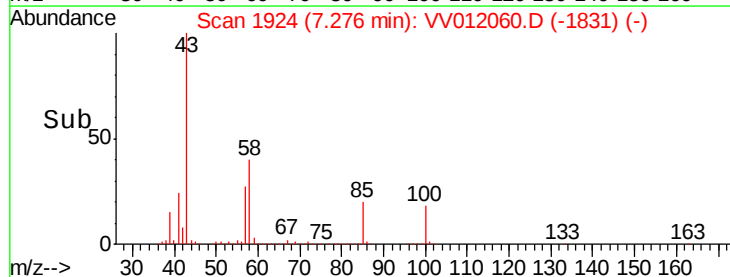
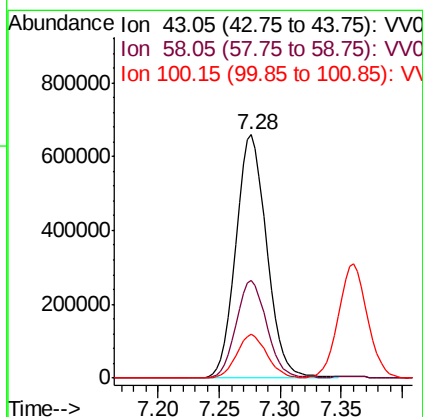
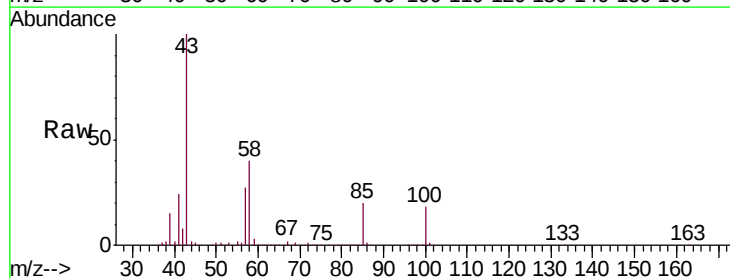
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD020361

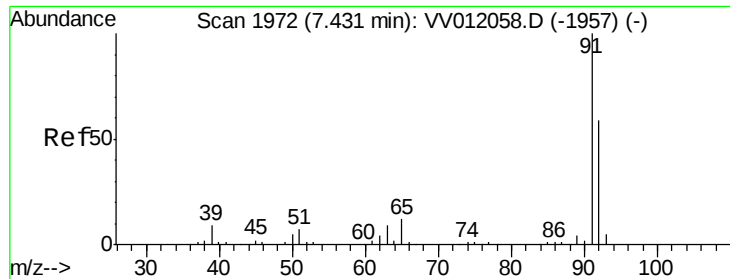
Tgt Ion: 75 Resp: 330545
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 224.210 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV012060.D
 Acq: 29 Jul 2019 13:26

Tgt Ion: 43 Resp: 1156972
 Ion Ratio Lower Upper
 43 100
 58 40.0 31.9 47.9
 100 17.6 14.0 21.0





#42

Toluene

Concen: 21.464 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV012060.D

Acq: 29 Jul 2019 13:26

Instrument :

MSVOA_V

ClientSampleId :

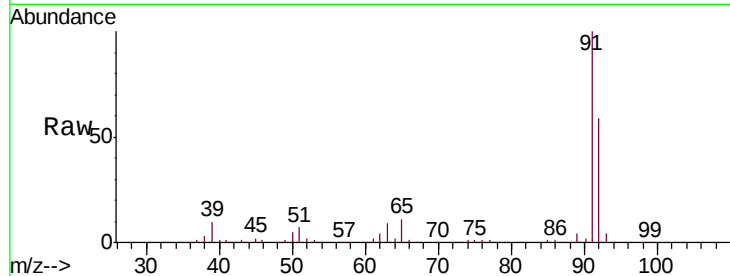
VSTD020361

Tgt Ion: 91 Resp: 953295

Ion Ratio Lower Upper

91 100

92 58.8 41.3 76.7



Abundance Ion 91.15 (90.85 to 91.85): VV012058.D (-1957) (-)

Ion 92.15 (91.85 to 92.85): VV012058.D (-1957) (-)

7.43

600000

500000

400000

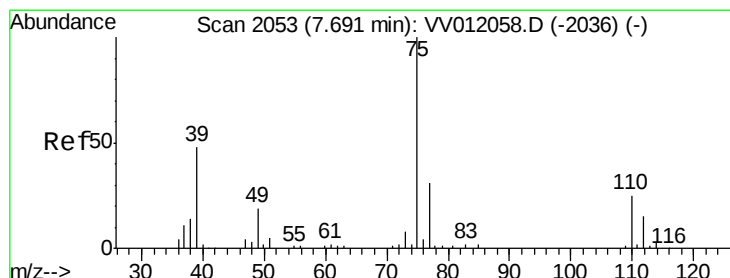
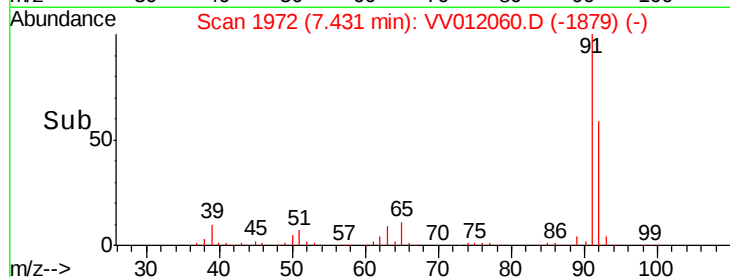
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 22.726 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV012060.D

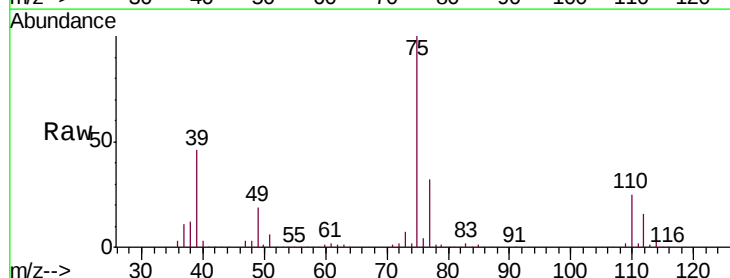
Acq: 29 Jul 2019 13:26

Tgt Ion: 75 Resp: 263699

Ion Ratio Lower Upper

75 100

77 31.7 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VV012058.D (-2036) (-)

Ion 77.05 (76.75 to 77.75): VV012058.D (-2036) (-)

7.69

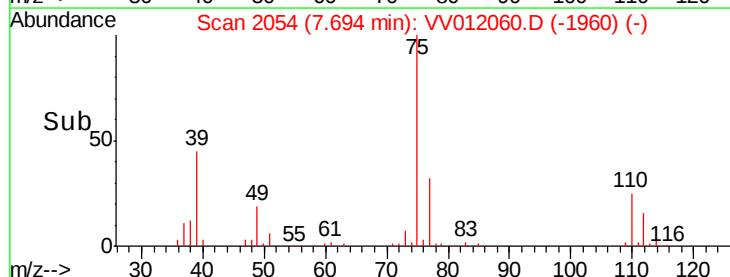
150000

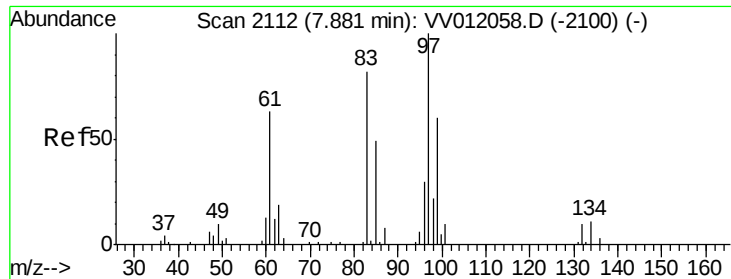
100000

50000

0

Time-->

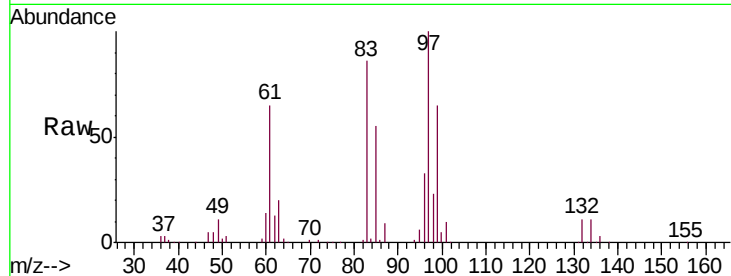




#45
 1,1,2-Trichloroethane
 Concen: 20.656 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV012060.D
 Acq: 29 Jul 2019 13:26

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD020361

Tgt Ion:	97	Resp:	141072
Ion	Ratio	Lower	Upper
97	100		
99	65.0	42.0	78.0
83	86.0	57.6	107.0
85	54.5	34.6	64.2



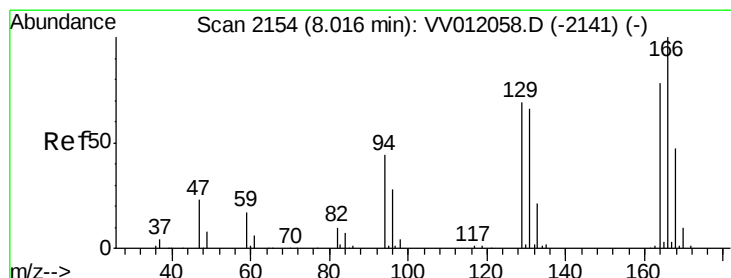
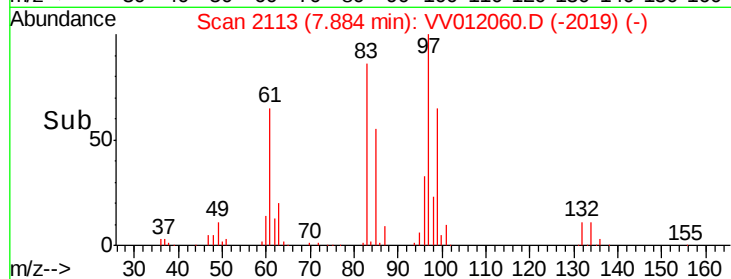
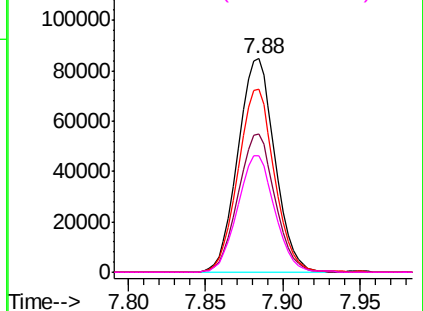
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

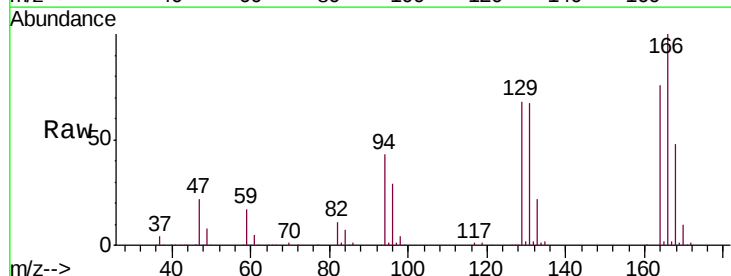
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
 Tetrachloroethene
 Concen: 21.004 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV012060.D
 Acq: 29 Jul 2019 13:26

Tgt Ion:	164	Resp:	211221
Ion	Ratio	Lower	Upper
164	100		
129	89.5	61.9	114.9
131	88.3	59.4	110.4
166	131.5	89.6	166.4



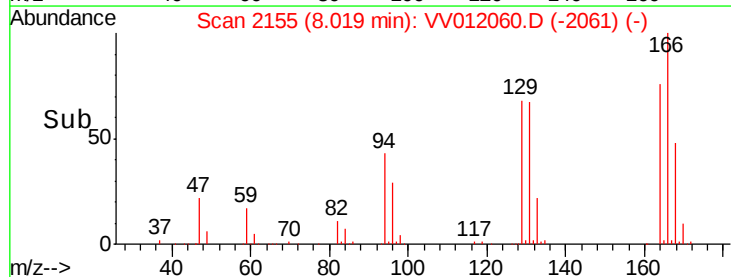
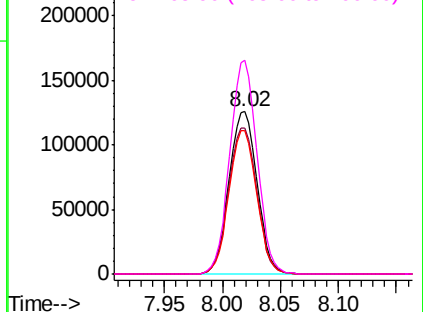
Abundance

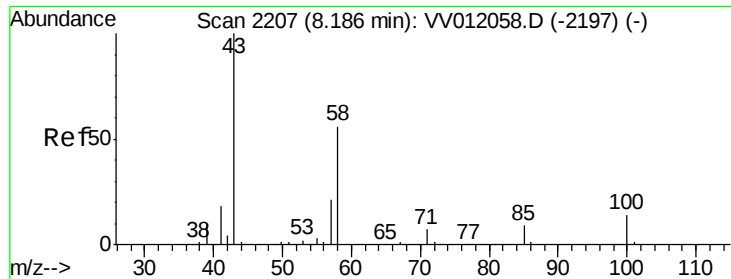
Ion 163.90 (163.60 to 164.60): V

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

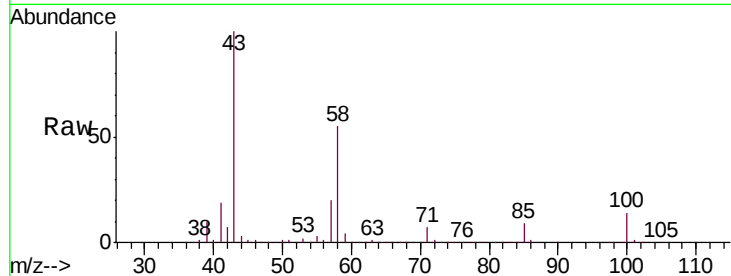




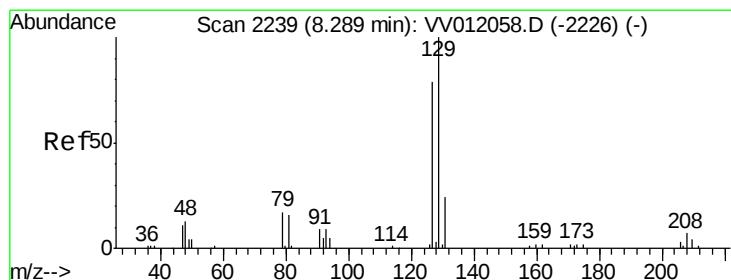
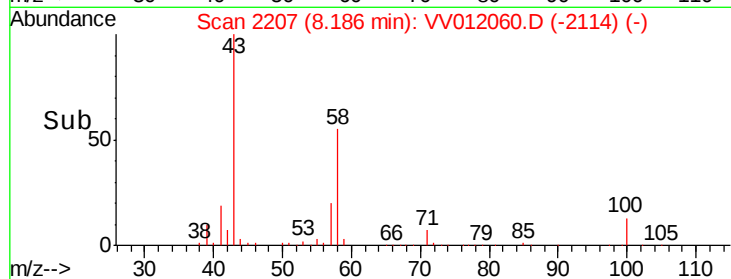
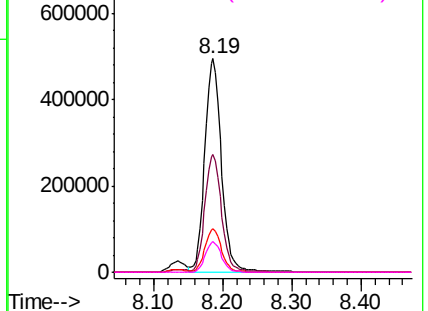
#48
2-Hexanone
Concen: 222.904 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VV012060.D
Acq: 29 Jul 2019 13:26

Instrument :
MSVOA_V
ClientSampleId :
VSTD020361

Tgt Ion: 43 Resp: 825181
Ion Ratio Lower Upper
43 100
58 55.0 44.1 66.1
57 20.2 16.1 24.1
100 14.0 11.3 16.9

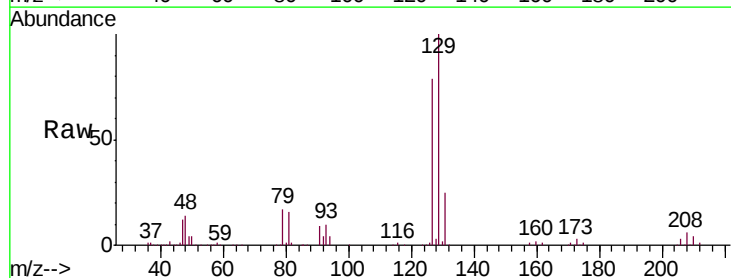


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

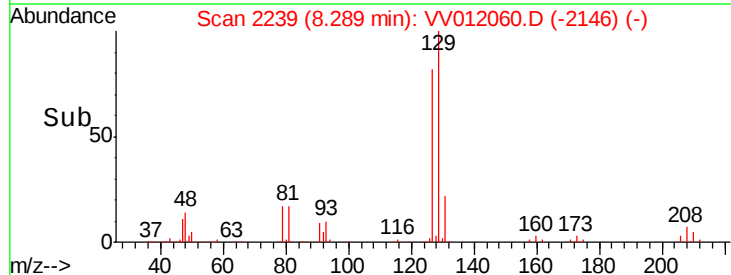
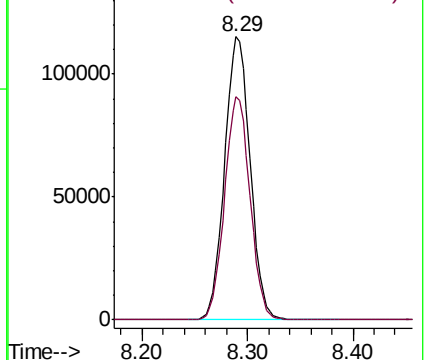


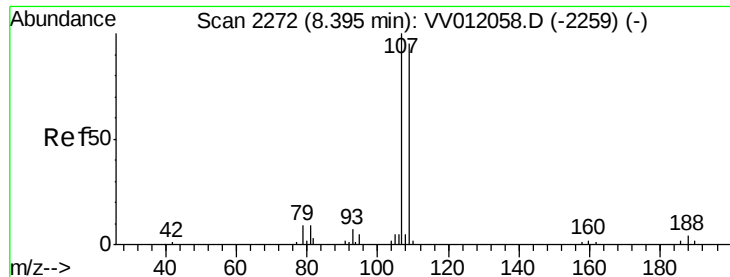
#49
Dibromochloromethane
Concen: 22.391 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV012060.D
Acq: 29 Jul 2019 13:26

Tgt Ion: 129 Resp: 192709
Ion Ratio Lower Upper
129 100
127 78.8 55.4 102.8



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

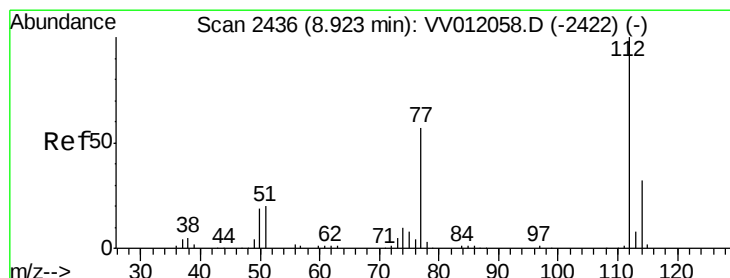
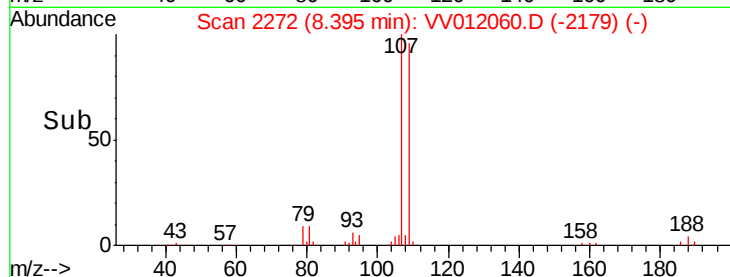
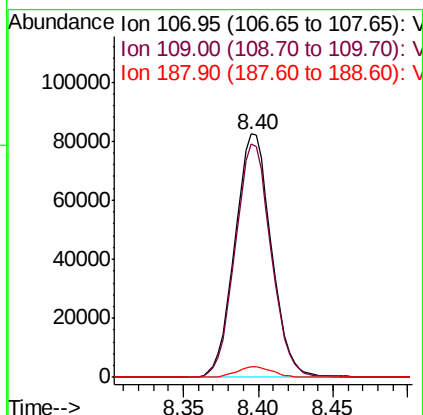
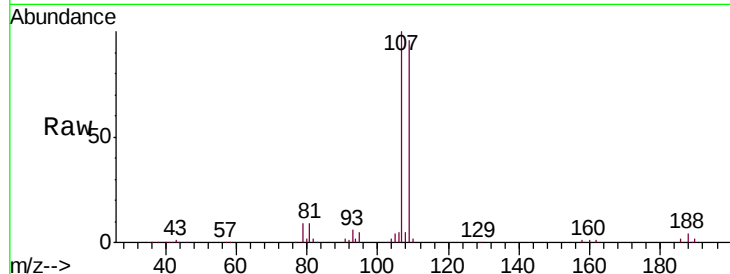




#50
1,2-Dibromoethane
Concen: 21.685 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VV012060.D
Acq: 29 Jul 2019 13:26

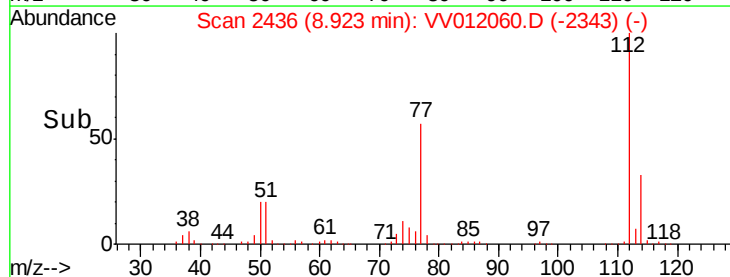
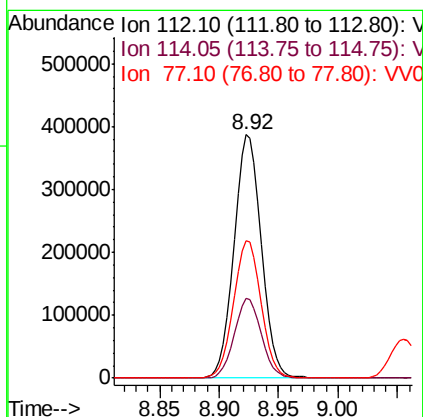
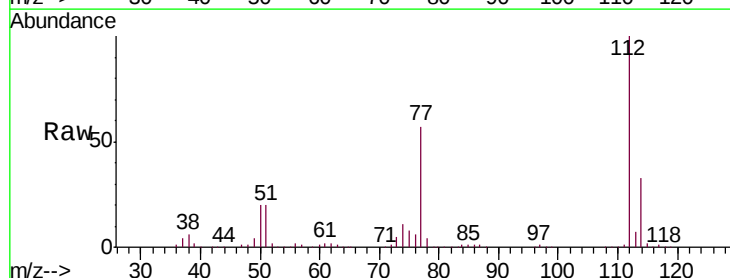
Instrument :
MSVOA_V
ClientSampleId :
VSTD020361

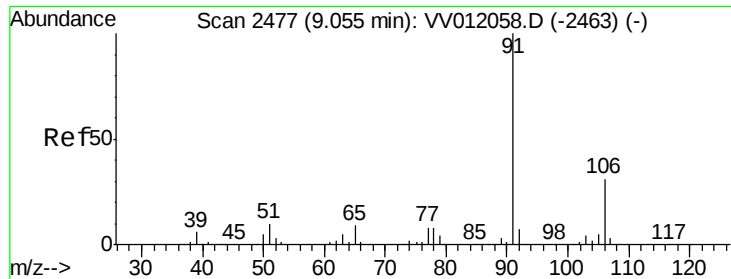
Tgt Ion:107 Resp: 139868
Ion Ratio Lower Upper
107 100
109 96.1 66.3 123.1
188 4.4 3.4 5.0



#51
Chlorobenzene
Concen: 21.535 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV012060.D
Acq: 29 Jul 2019 13:26

Tgt Ion:112 Resp: 617463
Ion Ratio Lower Upper
112 100
114 32.5 22.1 41.1
77 56.6 45.9 68.9

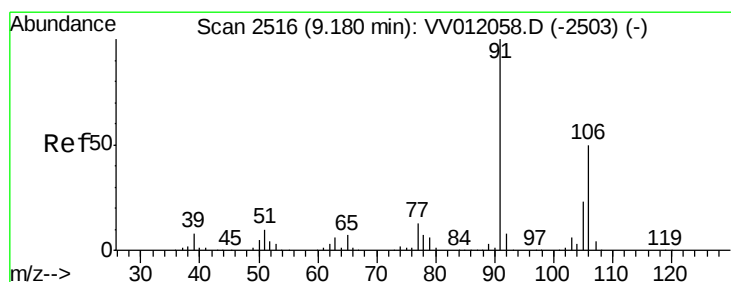
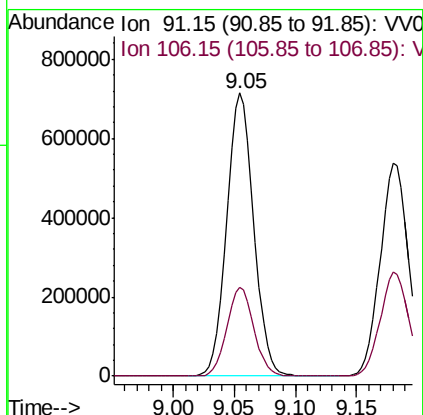
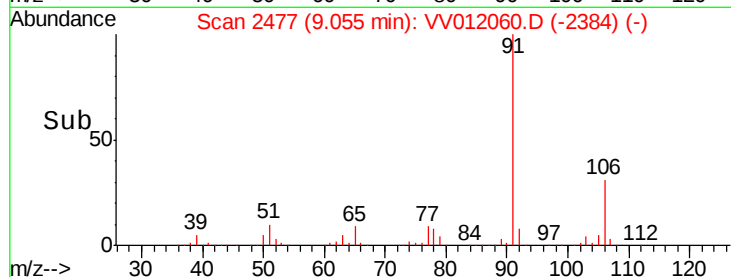
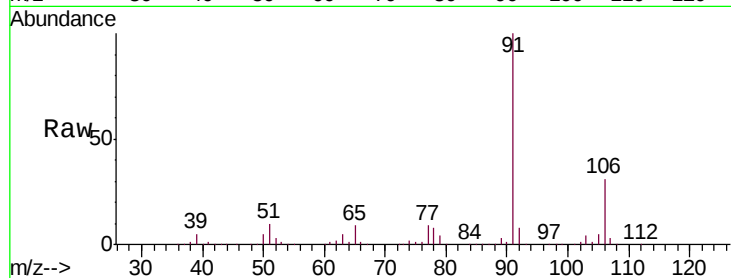




#52
Ethylbenzene
Concen: 22.269 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. -0.00 min
Lab File: VV012060.D
Acq: 29 Jul 2019 13:26

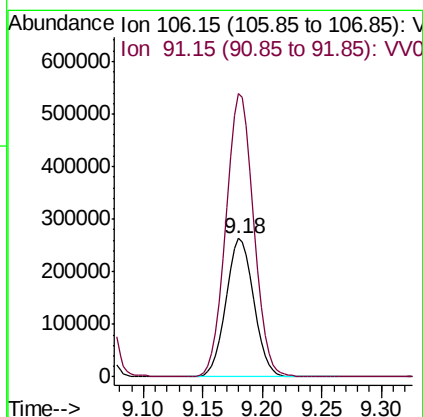
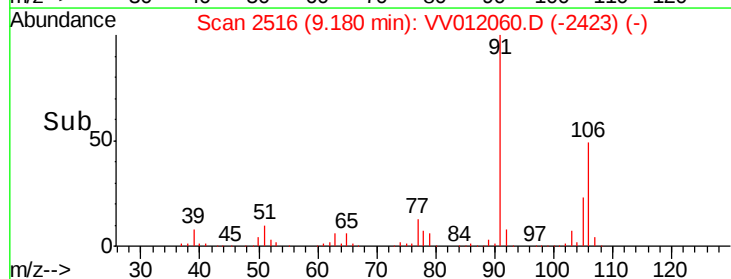
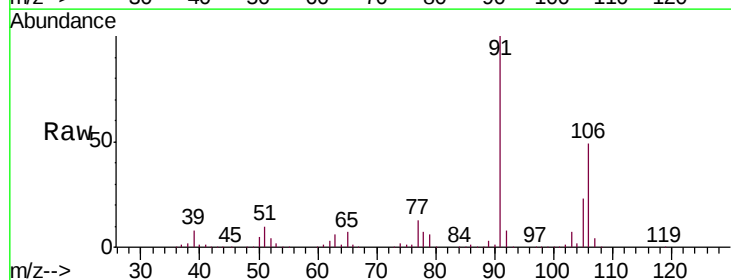
Instrument :
MSVOA_V
ClientSampleId :
VSTD020361

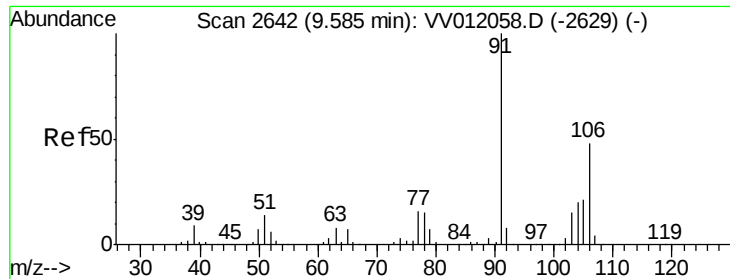
Tgt Ion: 91 Resp: 1108095
Ion Ratio Lower Upper
91 100
106 31.5 21.6 40.2



#53
m,p-xylene
Concen: 21.641 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. -0.00 min
Lab File: VV012060.D
Acq: 29 Jul 2019 13:26

Tgt Ion: 106 Resp: 425413
Ion Ratio Lower Upper
106 100
91 204.8 141.6 263.0





#54

o-xylene

Concen: 22.570 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV012060.D

Acq: 29 Jul 2019 13:26

Instrument :

MSVOA_V

ClientSampleId :

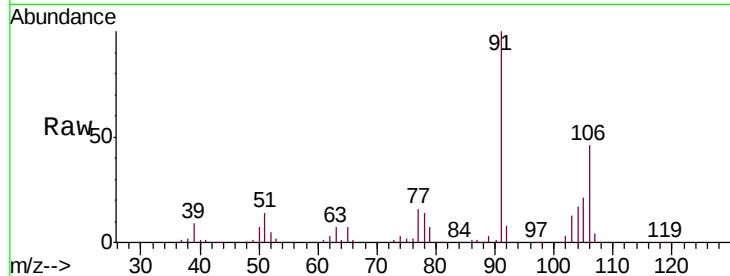
VSTD020361

Tgt Ion:106 Resp: 409114

Ion Ratio Lower Upper

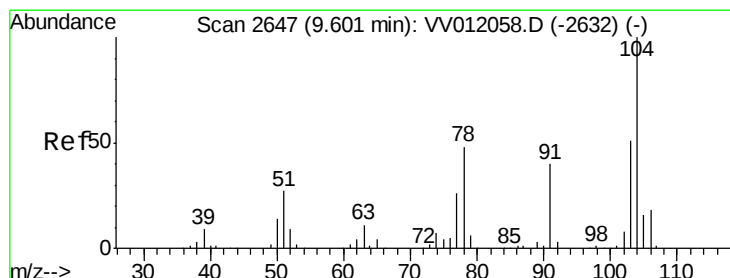
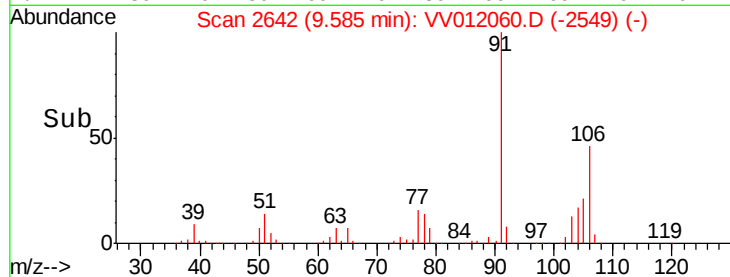
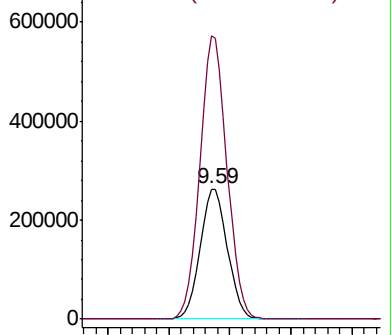
106 100

91 217.7 146.8 272.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 22.375 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV012060.D

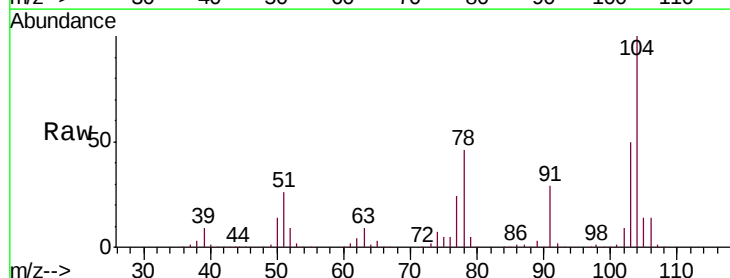
Acq: 29 Jul 2019 13:26

Tgt Ion:104 Resp: 695351

Ion Ratio Lower Upper

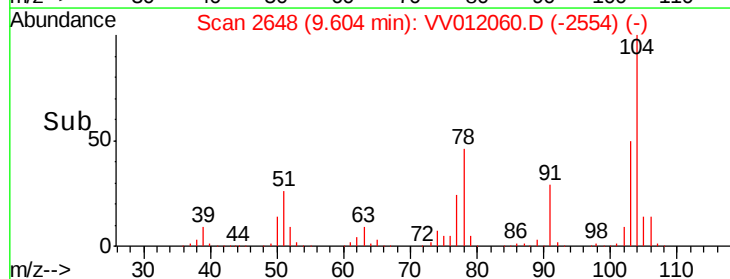
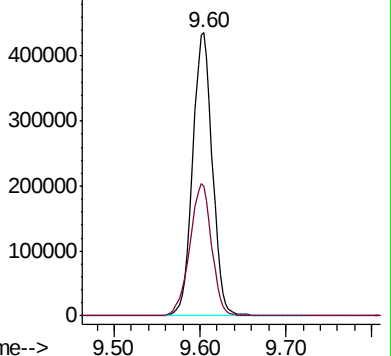
104 100

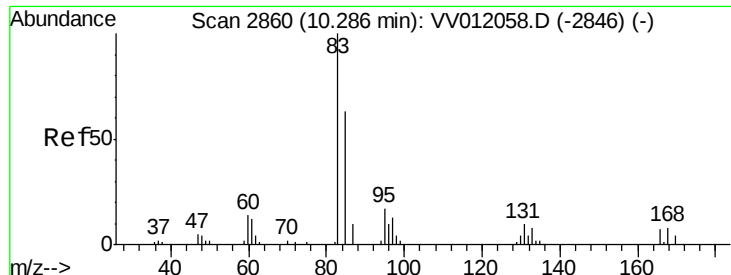
78 45.9 33.3 61.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0

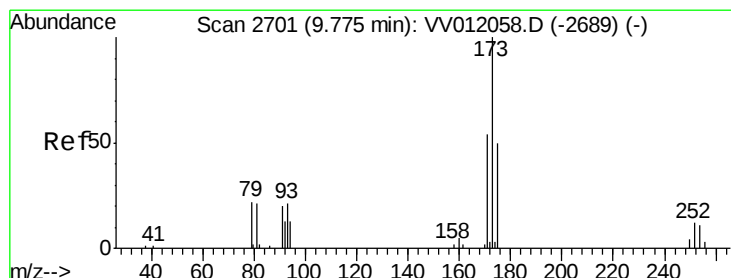
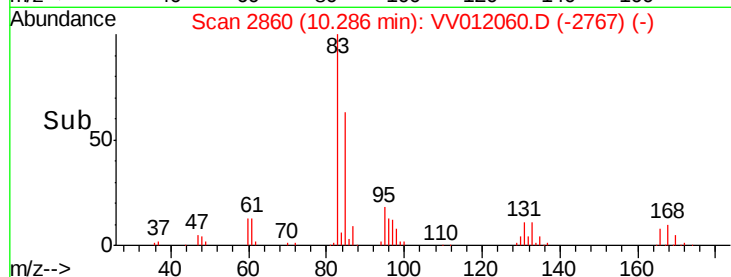
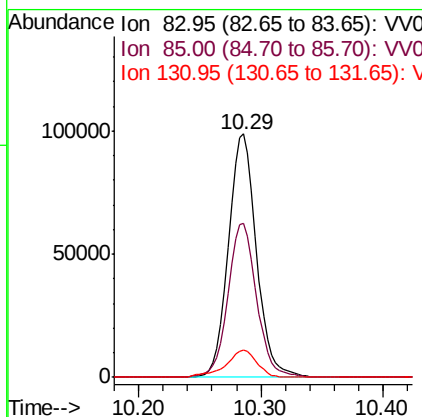
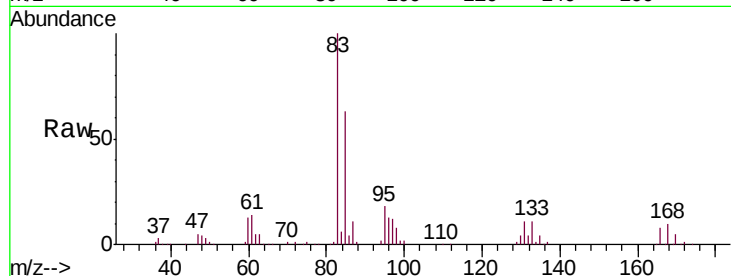




#57
 1,1,2,2-Tetrachloroethane
 Concen: 21.420 ug/L
 RT: 10.29 min Scan# 2860
 Delta R.T. -0.00 min
 Lab File: VV012060.D
 Acq: 29 Jul 2019 13:26

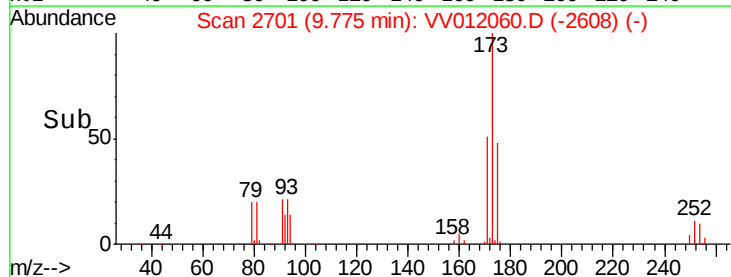
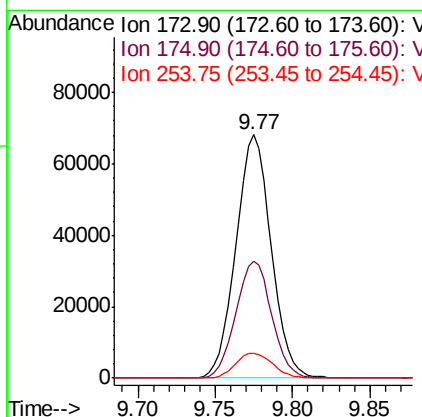
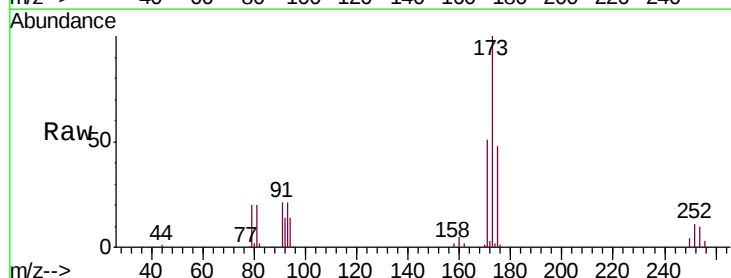
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD020361

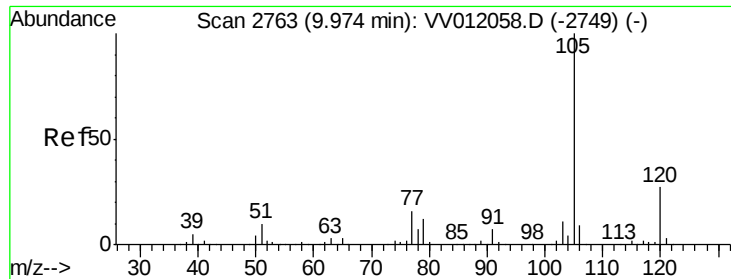
Tgt Ion: 83 Resp: 158466
 Ion Ratio Lower Upper
 83 100
 85 63.4 44.0 81.6
 131 11.3 8.3 12.5



#59
 Bromoform
 Concen: 23.652 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. -0.00 min
 Lab File: VV012060.D
 Acq: 29 Jul 2019 13:26

Tgt Ion: 173 Resp: 107812
 Ion Ratio Lower Upper
 173 100
 175 48.8 38.3 57.5
 254 10.8 8.6 13.0





#60

Isopropylbenzene

Concen: 22.708 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV012060.D

Acq: 29 Jul 2019 13:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD020361

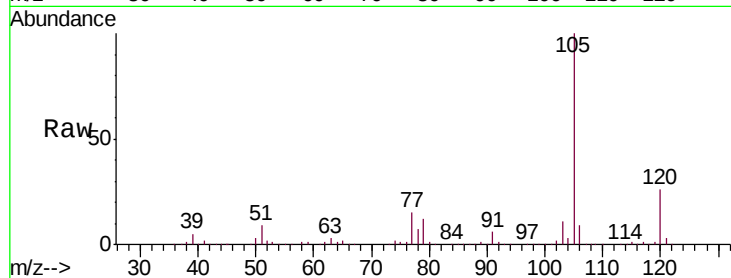
Tgt Ion: 105 Resp: 1130177

Ion Ratio Lower Upper

105 100

120 26.4 21.5 32.3

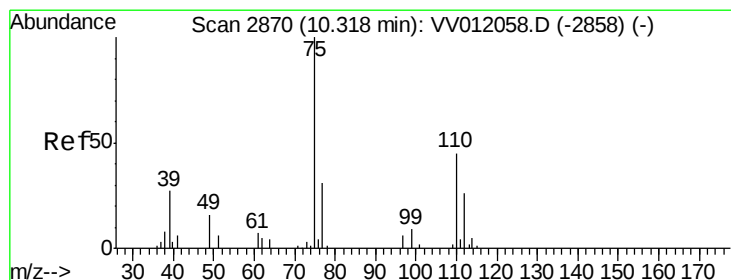
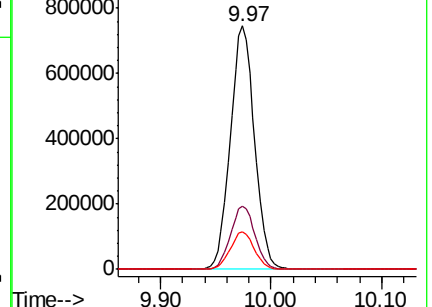
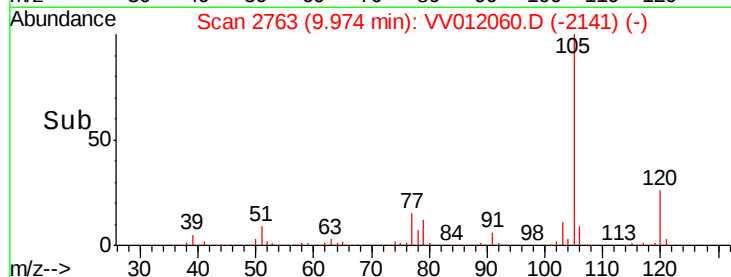
77 15.3 12.3 18.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#61

1,2,3-Trichloropropane

Concen: 21.507 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VV012060.D

Acq: 29 Jul 2019 13:26

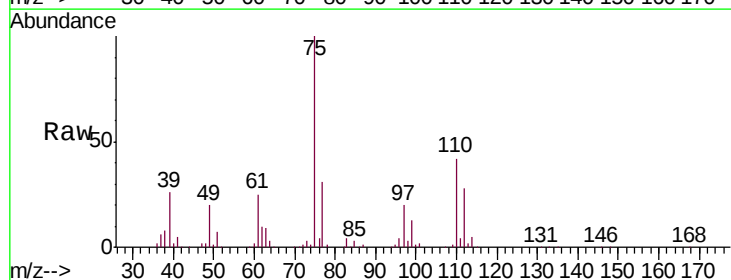
Tgt Ion: 75 Resp: 120568

Ion Ratio Lower Upper

75 100

77 32.7 26.8 40.2

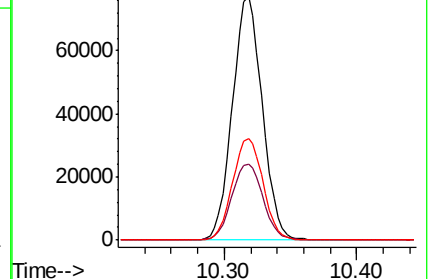
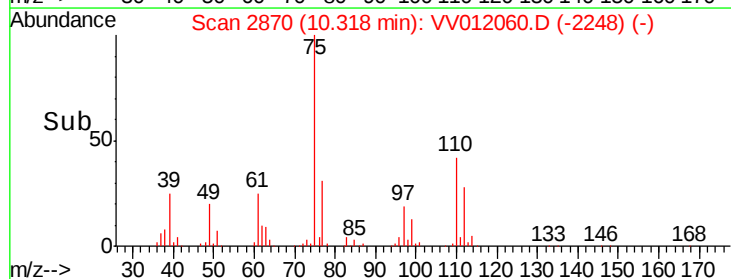
110 42.7 35.0 52.6

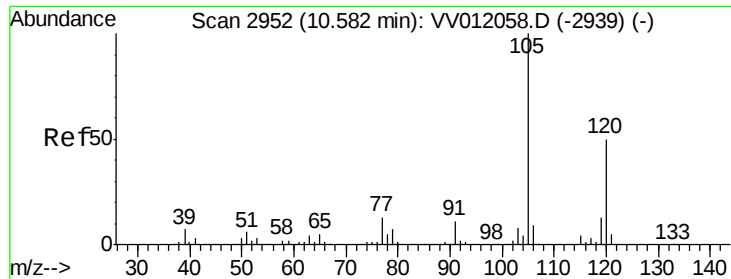


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 23.783 ug/L

RT: 10.58 min Scan# 2952

Delta R.T. -0.00 min

Lab File: VV012060.D

Acq: 29 Jul 2019 13:26

Instrument :

MSVOA_V

ClientSampleId :

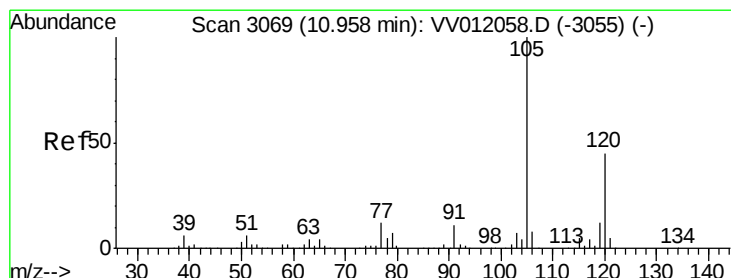
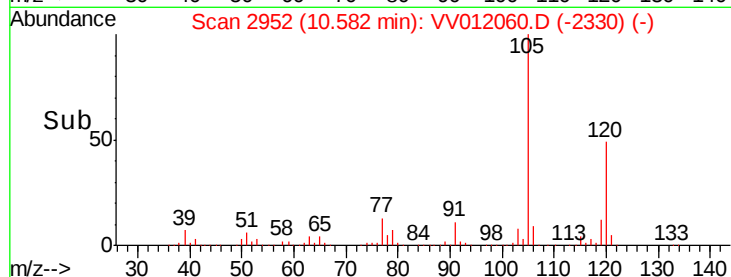
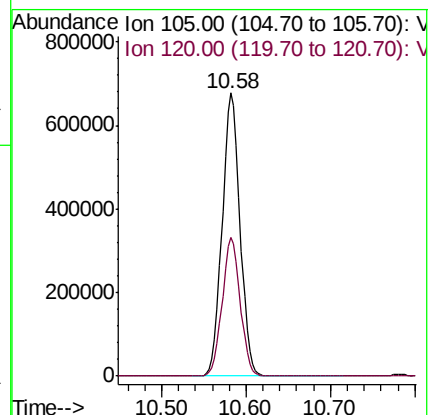
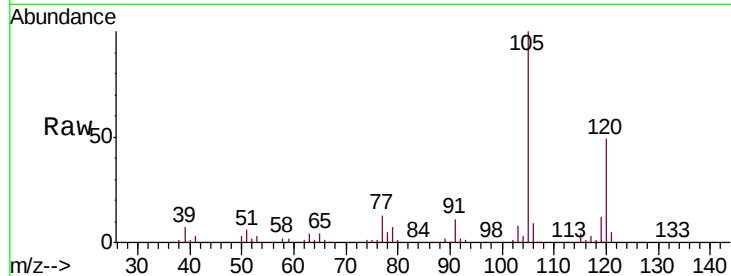
VSTD020361

Tgt Ion:105 Resp: 996204

Ion Ratio Lower Upper

105 100

120 49.4 40.1 60.1



#63

1,2,4-Trimethylbenzene

Concen: 23.059 ug/L

RT: 10.96 min Scan# 3069

Delta R.T. -0.00 min

Lab File: VV012060.D

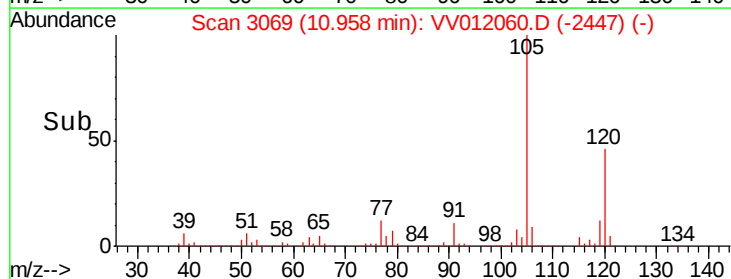
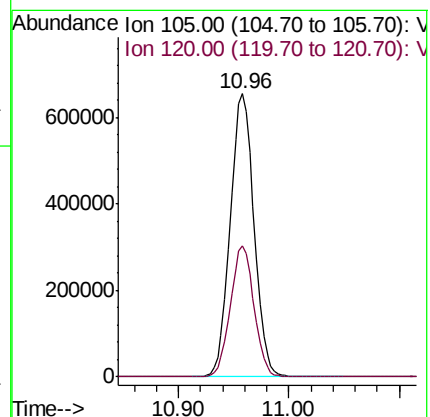
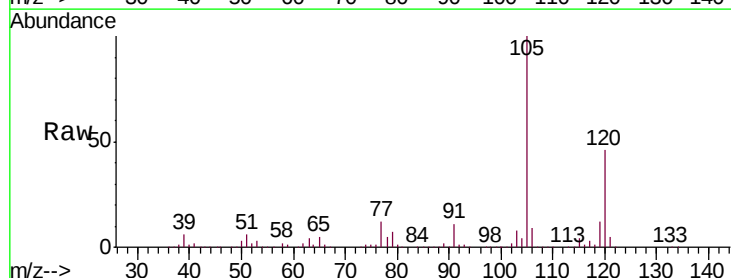
Acq: 29 Jul 2019 13:26

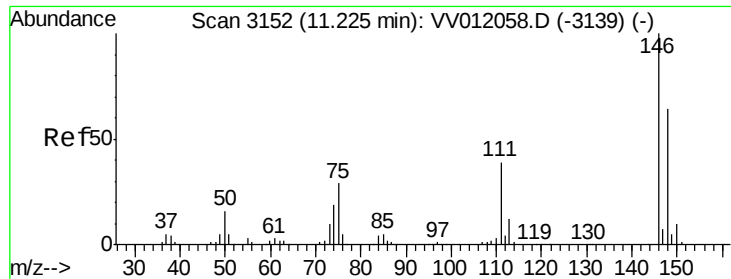
Tgt Ion:105 Resp: 980158

Ion Ratio Lower Upper

105 100

120 46.0 35.8 53.8

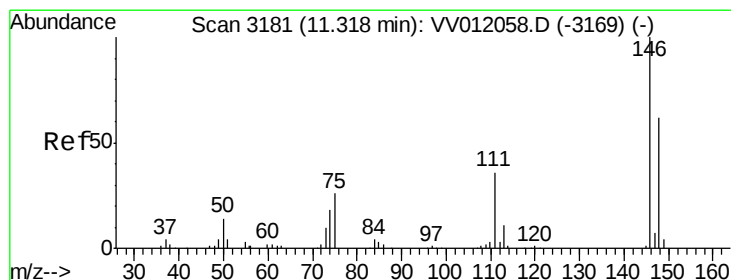
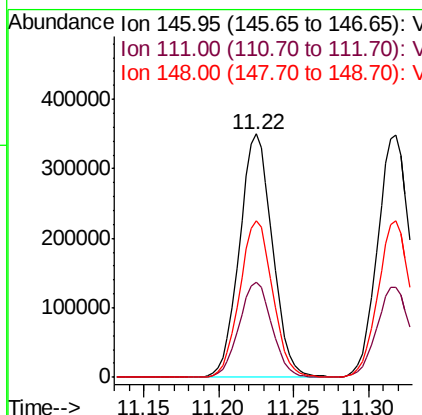
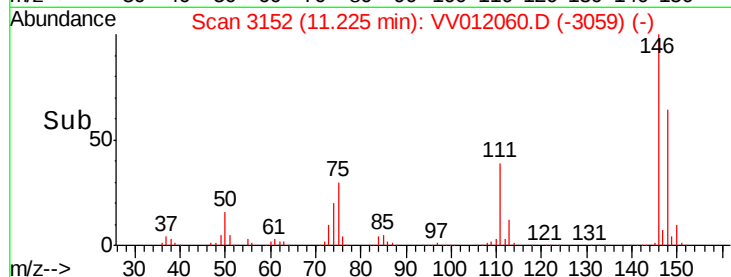
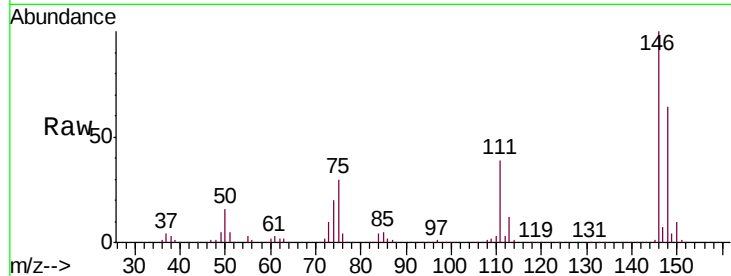




#64
 1,3-Dichlorobenzene
 Concen: 22.043 ug/L
 RT: 11.22 min Scan# 3152
 Delta R.T. -0.00 min
 Lab File: VV012060.D
 Acq: 29 Jul 2019 13:26

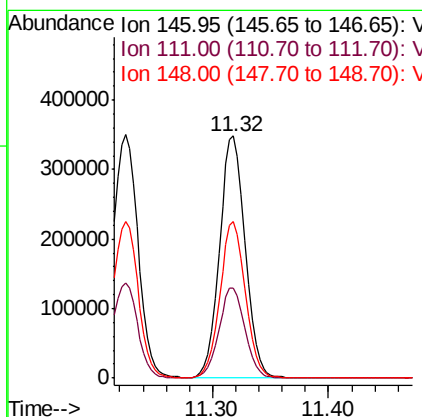
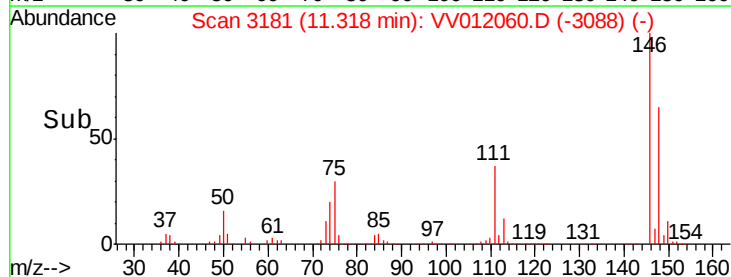
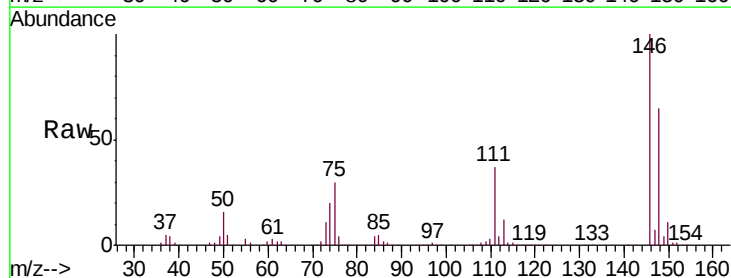
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD020361

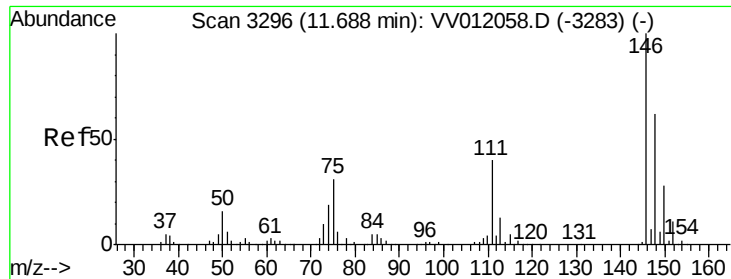
Tgt Ion:146 Resp: 536257
 Ion Ratio Lower Upper
 146 100
 111 39.3 27.2 50.6
 148 64.5 44.5 82.7



#65
 1,4-Dichlorobenzene
 Concen: 21.491 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. -0.00 min
 Lab File: VV012060.D
 Acq: 29 Jul 2019 13:26

Tgt Ion:146 Resp: 536673
 Ion Ratio Lower Upper
 146 100
 111 37.5 25.8 48.0
 148 64.6 43.8 81.3

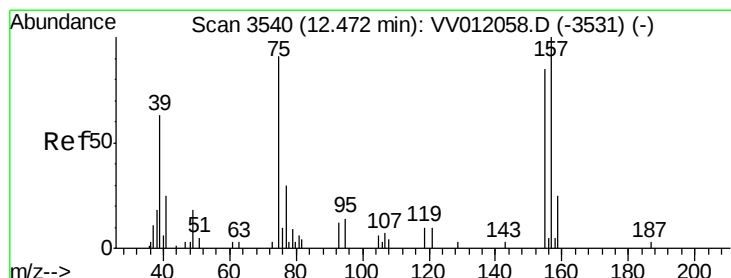
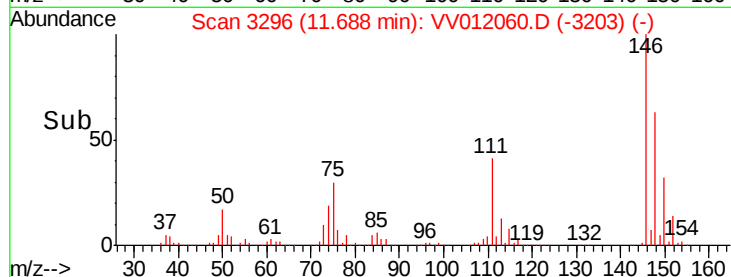
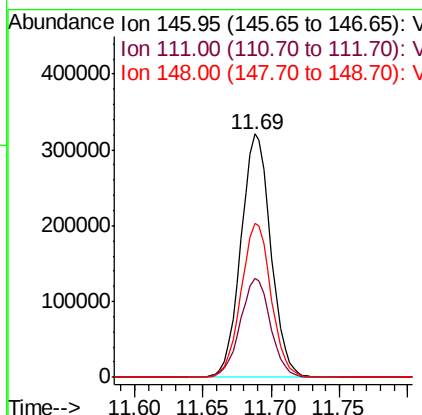
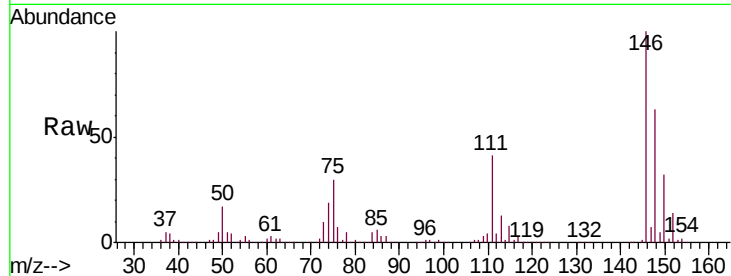




#67
 1,2-Dichlorobenzene
 Concen: 21.895 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. -0.00 min
 Lab File: VV012060.D
 Acq: 29 Jul 2019 13:26

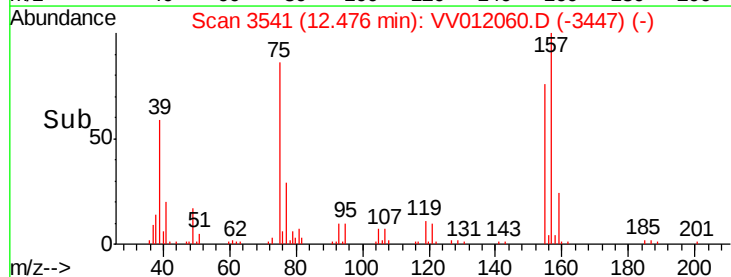
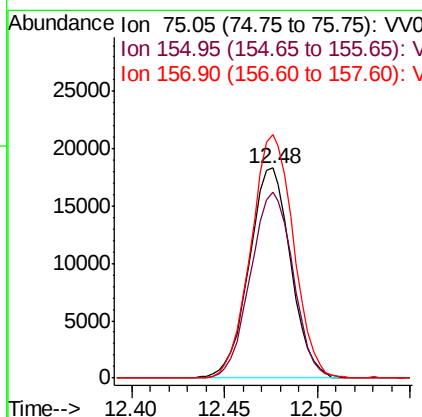
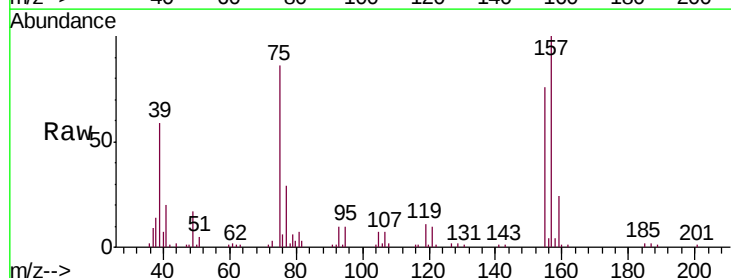
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD020361

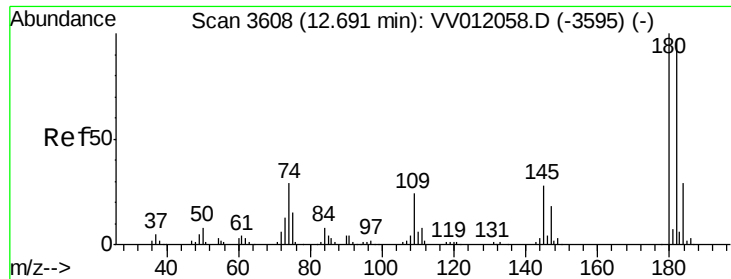
Tgt Ion: 146 Resp: 487606
 Ion Ratio Lower Upper
 146 100
 111 40.8 32.4 48.6
 148 63.0 49.4 74.0



#68
 1,2-Dibromo-3-chloropropane
 Concen: 24.156 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.00 min
 Lab File: VV012060.D
 Acq: 29 Jul 2019 13:26

Tgt Ion: 75 Resp: 28627
 Ion Ratio Lower Upper
 75 100
 155 88.4 75.0 112.6
 157 115.8 87.8 131.6

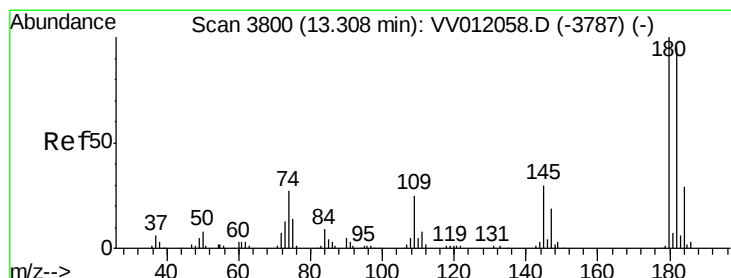
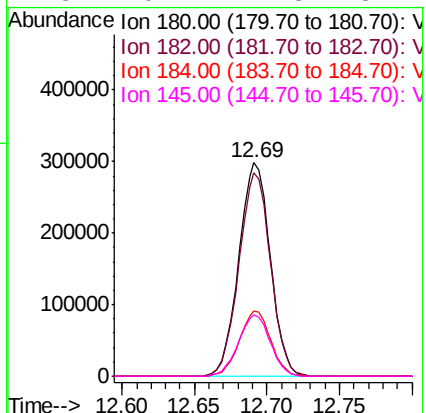
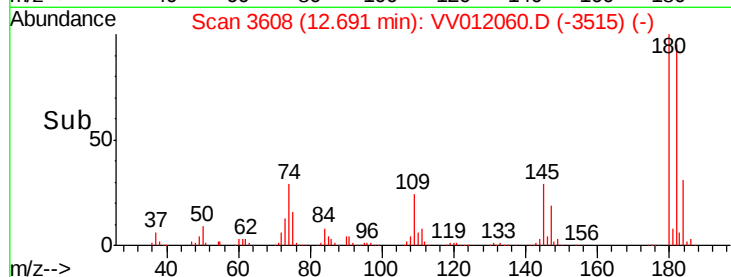
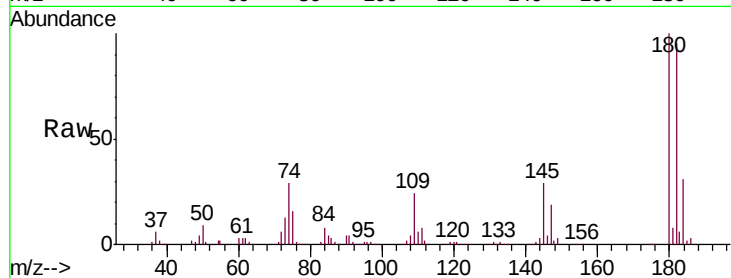




#69
 1,3,5-Trichlorobenzene
 Concen: 22.803 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV012060.D
 Acq: 29 Jul 2019 13:26

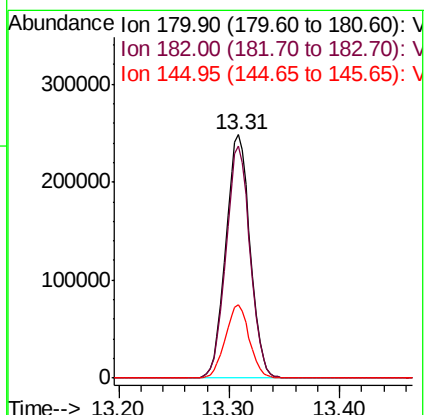
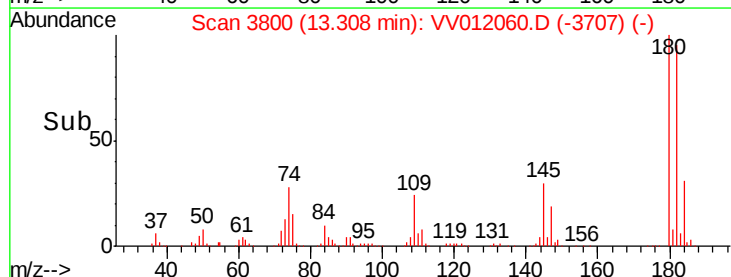
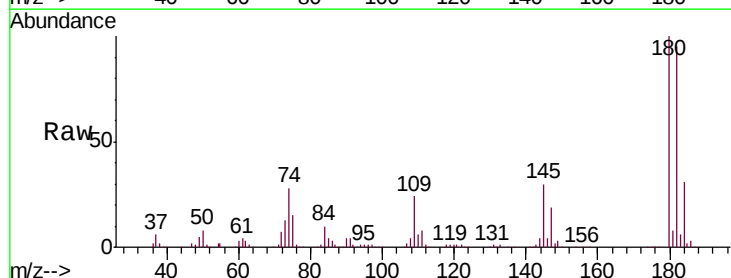
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD020361

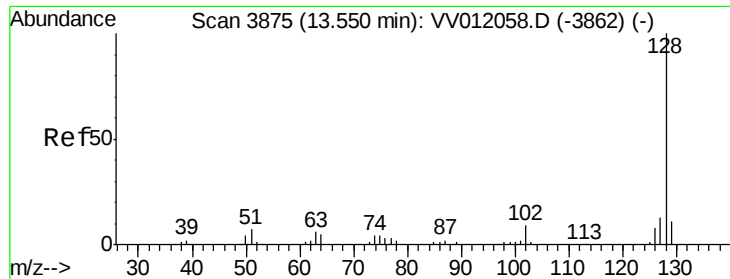
Tgt Ion:180 Resp: 449684
 Ion Ratio Lower Upper
 180 100
 182 95.4 77.1 115.7
 184 30.4 24.6 36.8
 145 29.1 22.8 34.2



#70
 1,2,4-trichlorobenzene
 Concen: 24.381 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. -0.00 min
 Lab File: VV012060.D
 Acq: 29 Jul 2019 13:26

Tgt Ion:180 Resp: 380010
 Ion Ratio Lower Upper
 180 100
 182 94.4 76.1 114.1
 145 29.8 24.3 36.5

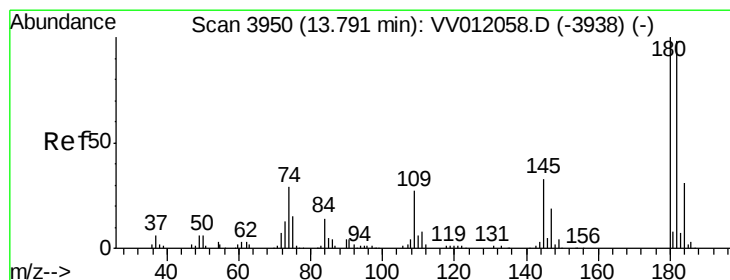
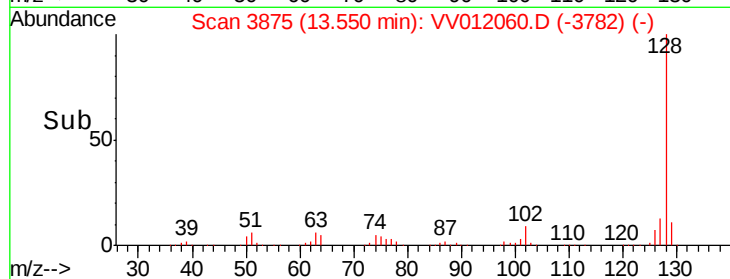
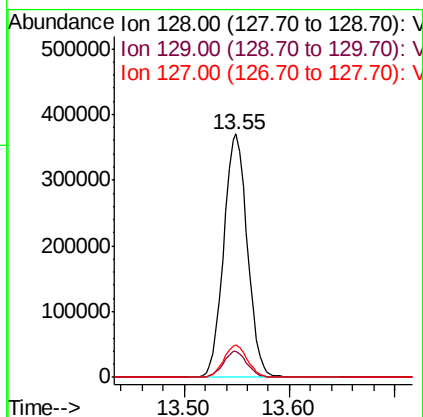
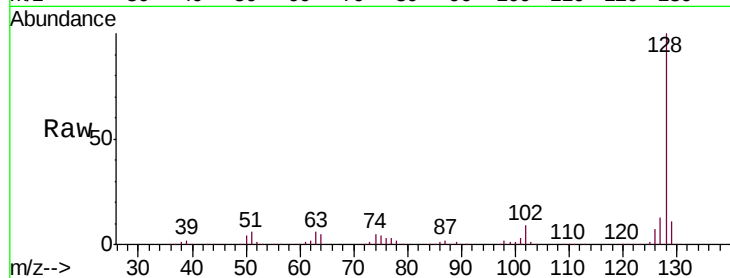




#71
Naphthalene
Concen: 27.287 ug/L
RT: 13.55 min Scan# 3875
Delta R.T. -0.00 min
Lab File: VV012060.D
Acq: 29 Jul 2019 13:26

Instrument :
MSVOA_V
ClientSampleId :
VSTD020361

Tgt Ion:128 Resp: 574177
Ion Ratio Lower Upper
128 100
129 10.7 9.1 13.7
127 13.4 10.4 15.6



#72
1,2,3-Trichlorobenzene
Concen: 23.861 ug/L
RT: 13.79 min Scan# 3950
Delta R.T. -0.00 min
Lab File: VV012060.D
Acq: 29 Jul 2019 13:26

Tgt Ion:180 Resp: 334255
Ion Ratio Lower Upper
180 100
182 95.8 78.5 117.7
145 31.9 25.8 38.8

