

Data File : VV012059.D
Acq On : 29 Jul 2019 13:00
Operator : SY/MD
Sample : VSTD01035
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD010351

Quant Time: Jul 30 08:18:19 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	140520	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	141336	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	78820	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	84358	10.29	ug/L	0.00
7) Chloroethane-d5	1.59	69	61787	10.41	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	152129	10.53	ug/L	0.00
20) 2-Butanone-d5	3.96	46	199291	102.72	ug/L	0.00
24) Chloroform-d	4.40	84	178362	10.03	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	100473	10.10	ug/L	0.00
32) Benzene-d6	5.10	84	374942	10.00	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	104145	9.85	ug/L	0.00
41) Toluene-d8	7.36	98	385660	10.26	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	48975	10.38	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	174238	104.89	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.26	84	80391	10.17	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.67	152	149464	10.14	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	165708	10.186 ug/L	99
3) Chloromethane	1.25	50	93608	10.428 ug/L	98
5) Vinyl chloride	1.33	62	95411	10.303 ug/L	97
6) Bromomethane	1.54	94	59737	10.602 ug/L	96
8) Chloroethane	1.60	64	53094	10.719 ug/L	97
9) Trichlorofluoromethane	1.77	101	168693	10.757 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	70782	10.647 ug/L	98
12) 1,1-Dichloroethene	2.14	96	65429	10.679 ug/L	93
13) Acetone	2.22	43	96334	102.875 ug/L	99
14) Carbon disulfide	2.32	76	185180	10.709 ug/L	100
15) Methyl Acetate	2.48	43	19729	10.778 ug/L	96
16) Methylene chloride	2.54	84	61730	9.972 ug/L	99
17) Methyl tert-butyl Ether	2.81	73	212039	10.714 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	94516	10.545 ug/L	98
19) 1,1-Dichloroethane	3.23	63	168843	10.257 ug/L	97
21) 2-Butanone	4.05	43	207462	107.428 ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	103815	10.854 ug/L	98
23) Bromochloromethane	4.30	128	45216	10.636 ug/L	97
25) Chloroform	4.43	83	209676	10.238 ug/L	98
27) 1,2-Dichloroethane	5.18	62	119836	10.803 ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	179716	10.321 ug/L	98
30) Cyclohexane	4.72	56	153990	10.277 ug/L	99
31) Carbon tetrachloride	4.87	117	161087	10.134 ug/L	100
33) Benzene	5.15	78	388987	10.025 ug/L	100
34) Trichloroethene	5.96	95	108453	10.069 ug/L	97
35) Methylcyclohexane	6.18	83	177801	10.439 ug/L	100
37) 1,2-Dichloropropane	6.22	63	90671	10.131 ug/L	99
38) Bromodichloromethane	6.55	83	130598	10.306 ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	152516	10.705 ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	555153	108.730 ug/L	99

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42) Toluene	7.43	91	457802	10.417	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	124186	10.817	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	69049	10.218	ug/L	98
47) Tetrachloroethene	8.02	164	99744	10.024	ug/L	96
48) 2-Hexanone	8.19	43	388371	106.027	ug/L	100
49) Dibromochloromethane	8.29	129	90793	10.662	ug/L	98
50) 1,2-Dibromoethane	8.40	107	66712	10.453	ug/L	98
51) Chlorobenzene	8.92	112	296272	10.443	ug/L	99
52) Ethylbenzene	9.05	91	524007	10.643	ug/L	99
53) m,p-xylene	9.18	106	201659	10.368	ug/L	98
54) o-xylene	9.59	106	193595	10.794	ug/L	97
55) Styrene	9.60	104	330951	10.763	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.29	83	77305	10.561	ug/L	97
59) Bromoform	9.77	173	48984	10.780	ug/L	99
60) Isopropylbenzene	9.97	105	536682	10.817	ug/L	99
61) 1,2,3-Trichloropropane	10.32	75	58509	10.470	ug/L	97
62) 1,3,5-Trimethylbenzene	10.58	105	461448	11.051	ug/L	99
63) 1,2,4-Trimethylbenzene	10.96	105	460123	10.858	ug/L	98
64) 1,3-Dichlorobenzene	11.22	146	255364	10.529	ug/L	100
65) 1,4-Dichlorobenzene	11.32	146	255795	10.275	ug/L	99
67) 1,2-Dichlorobenzene	11.69	146	231003	10.405	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.48	75	13072	11.065	ug/L	97
69) 1,3,5-Trichlorobenzene	12.69	180	209939	10.679	ug/L	100
70) 1,2,4-trichlorobenzene	13.31	180	172160	11.080	ug/L	99
71) Naphthalene	13.55	128	249871	11.912	ug/L	99
72) 1,2,3-Trichlorobenzene	13.79	180	156416	11.201	ug/L	98

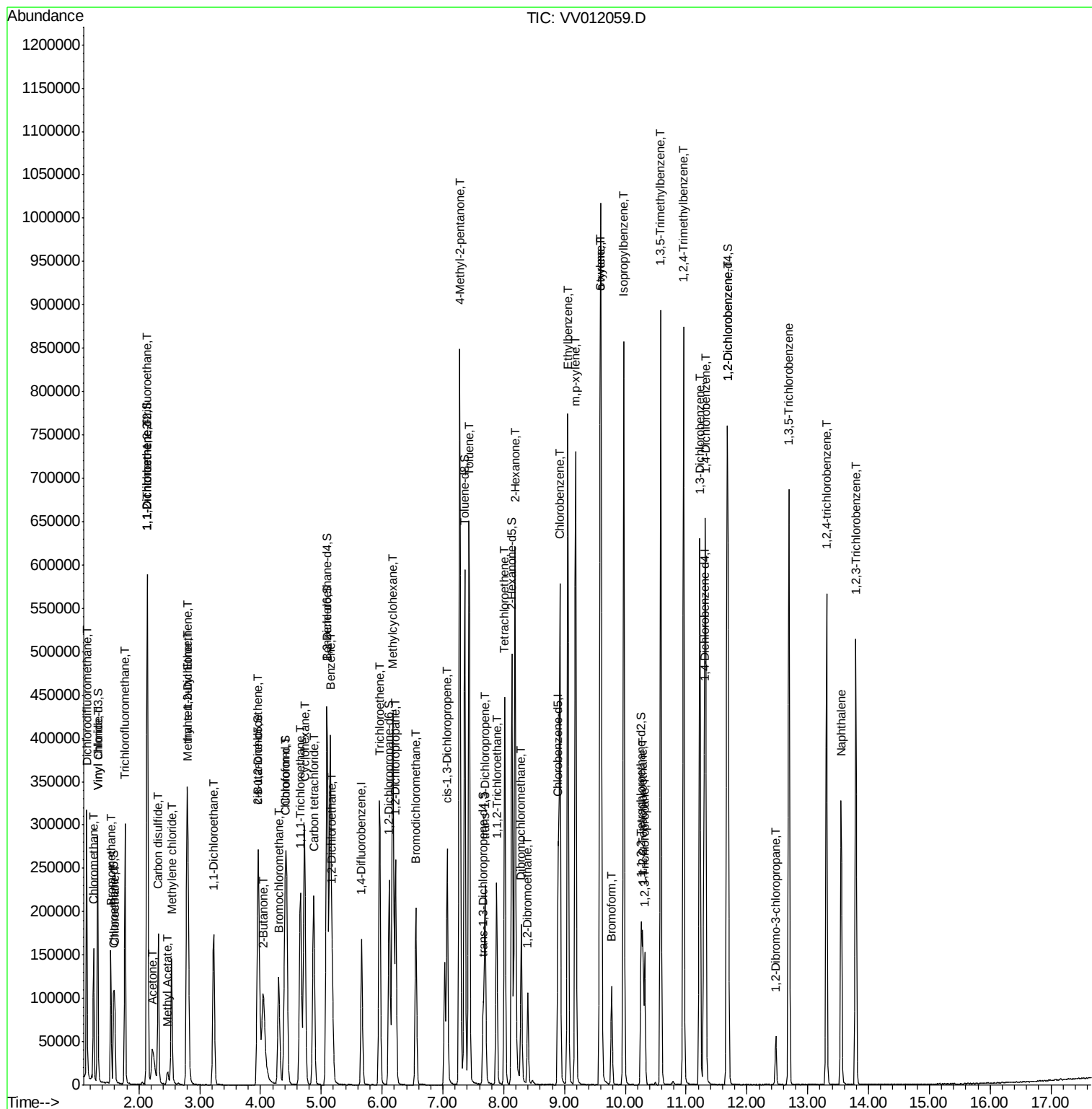
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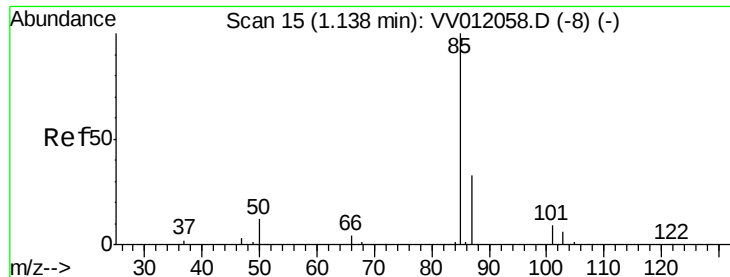
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#2

Dichlorodifluoromethane

Concen: 10.186 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV012059.D

Acq: 29 Jul 2019 13:00

Instrument :

MSVOA_V

ClientSampleId :

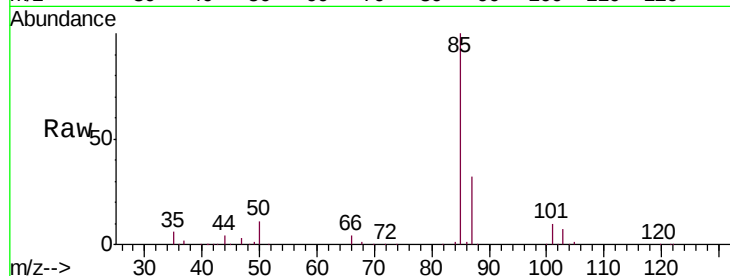
VSTD010351

Tgt Ion: 85 Resp: 165708

Ion Ratio Lower Upper

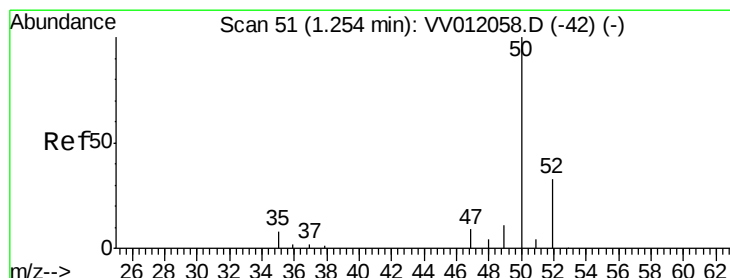
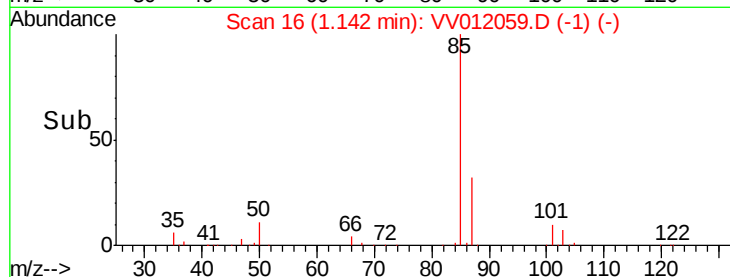
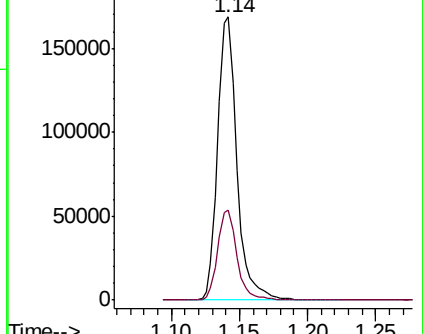
85 100

87 31.9 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 10.428 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV012059.D

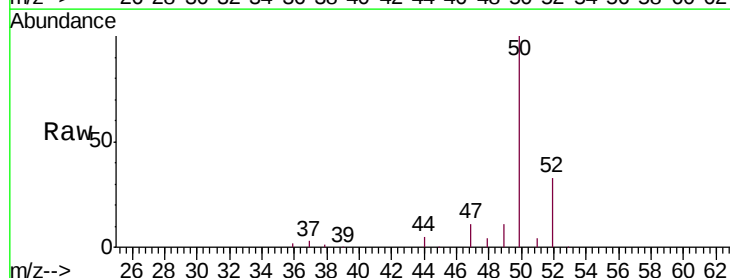
Acq: 29 Jul 2019 13:00

Tgt Ion: 50 Resp: 93608

Ion Ratio Lower Upper

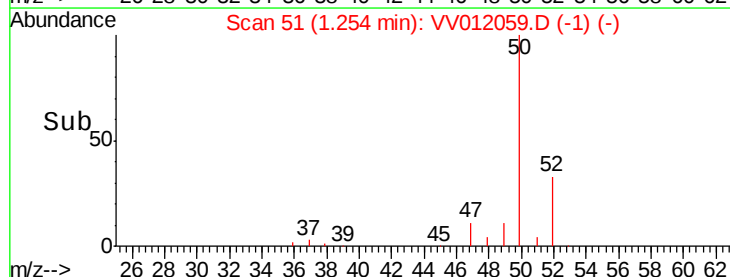
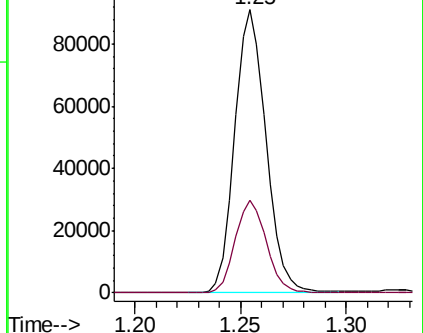
50 100

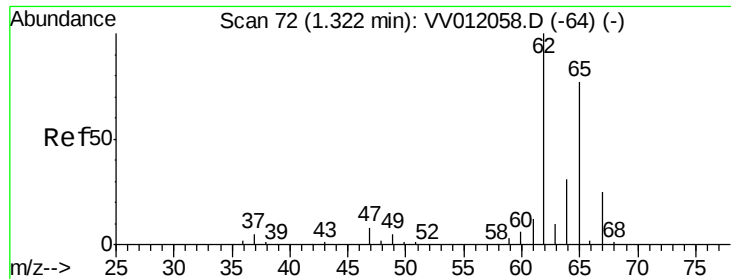
52 32.5 23.4 43.4



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 10.303 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV012059.D

Acq: 29 Jul 2019 13:00

Instrument :

MSVOA_V

ClientSampleId :

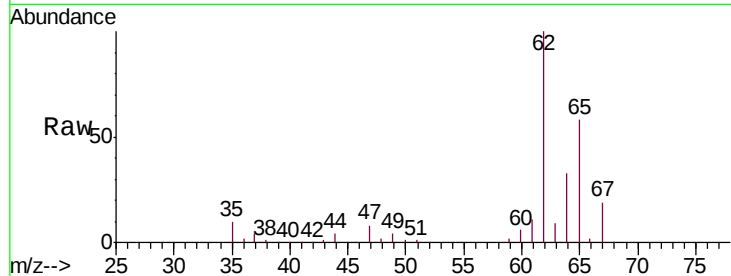
VSTD010351

Tgt Ion: 62 Resp: 95411

Ion Ratio Lower Upper

62 100

64 33.0 22.0 41.0



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.33

100000

80000

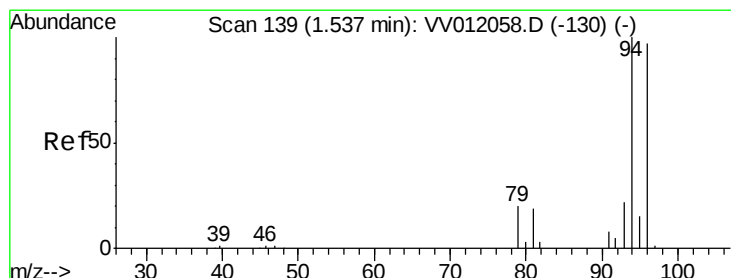
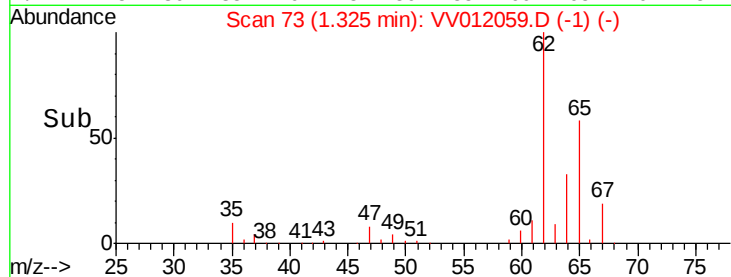
60000

40000

20000

0

Time-->



#6

Bromomethane

Concen: 10.602 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV012059.D

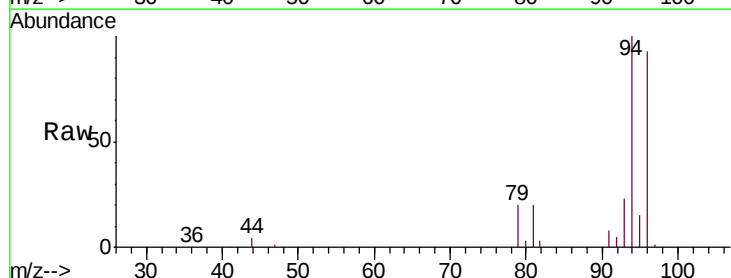
Acq: 29 Jul 2019 13:00

Tgt Ion: 94 Resp: 59737

Ion Ratio Lower Upper

94 100

96 93.3 67.8 125.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.54

60000

50000

40000

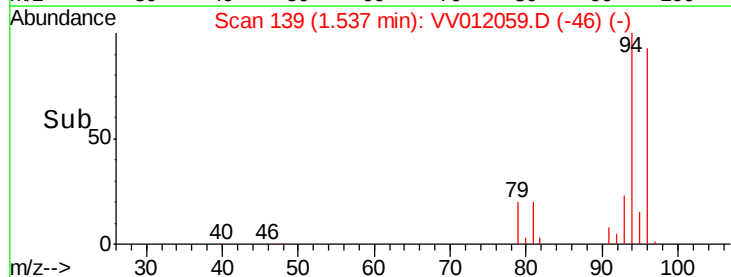
30000

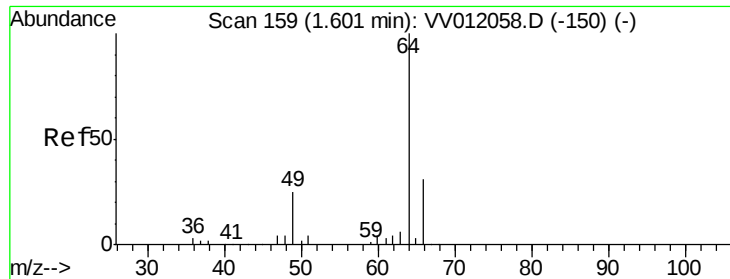
20000

10000

0

Time-->

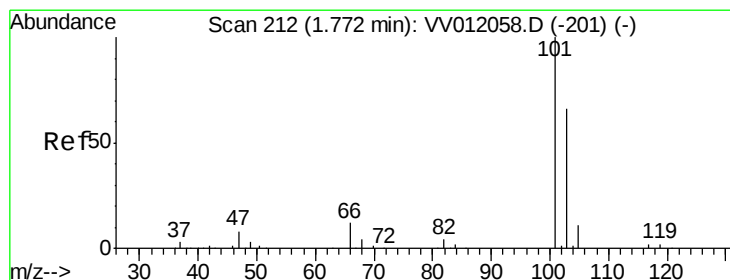
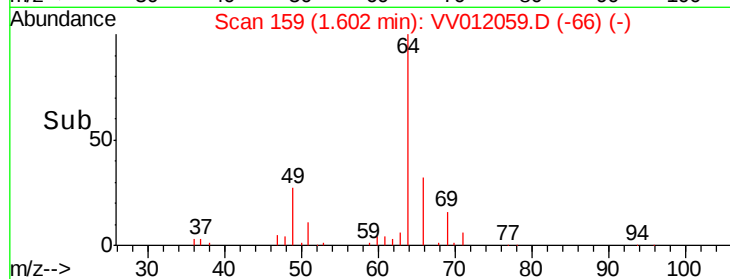
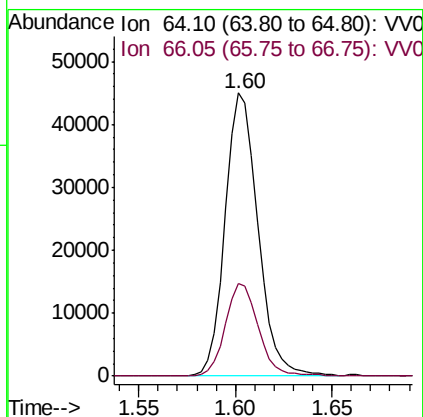
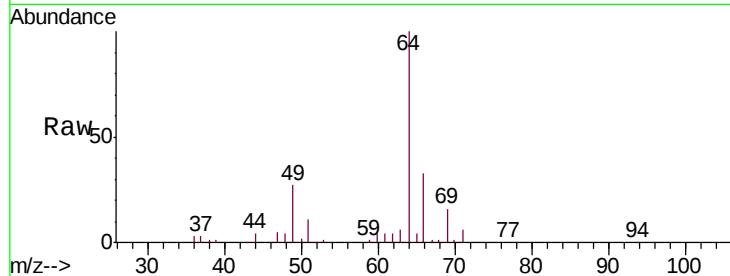




#8
Chloroethane
Concen: 10.719 ug/L
RT: 1.60 min Scan# 159
Delta R.T. 0.00 min
Lab File: VV012059.D
Acq: 29 Jul 2019 13:00

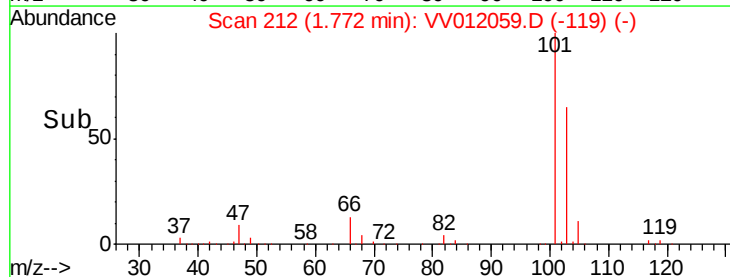
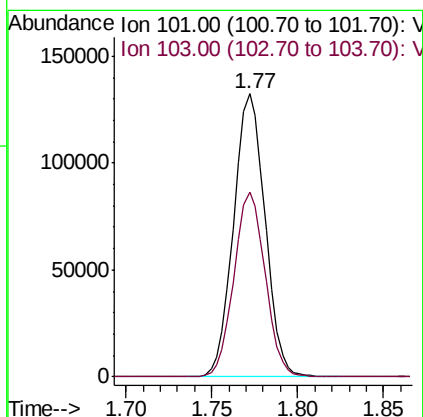
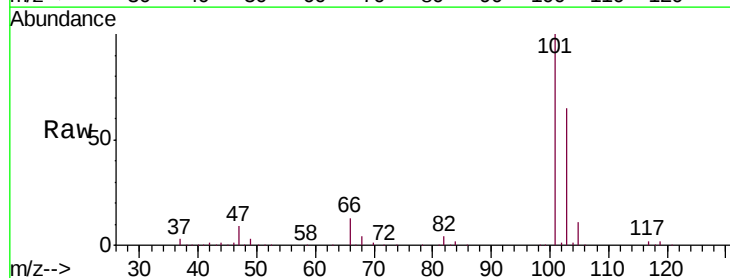
Instrument :
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VSTD010351

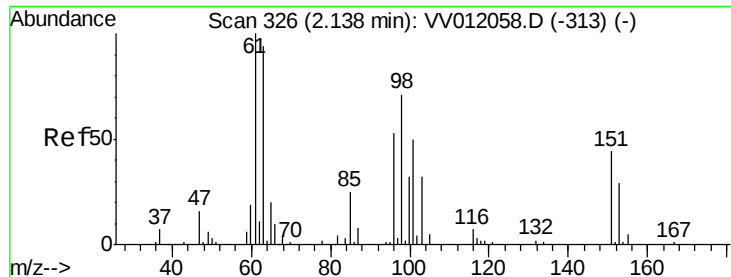
Tgt Ion: 64 Resp: 53094
Ion Ratio Lower Upper
64 100
66 32.6 21.7 40.3



#9
Trichlorofluoromethane
Concen: 10.757 ug/L
RT: 1.77 min Scan# 212
Delta R.T. 0.00 min
Lab File: VV012059.D
Acq: 29 Jul 2019 13:00

Tgt Ion: 101 Resp: 168693
Ion Ratio Lower Upper
101 100
103 64.8 52.6 79.0





#10

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

Concen: 10.647 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV012059.D

Acq: 29 Jul 2019 13:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD010351

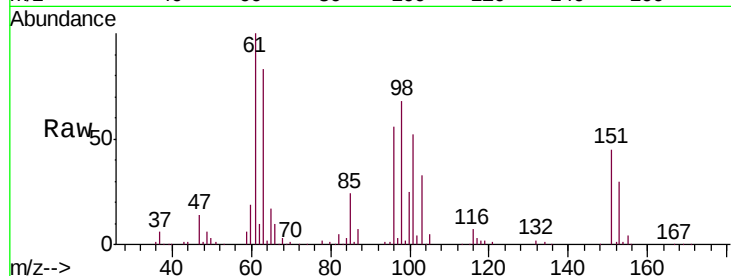
Tgt Ion:101 Resp: 70782

Ion Ratio Lower Upper

101 100

85 46.0 37.8 56.8

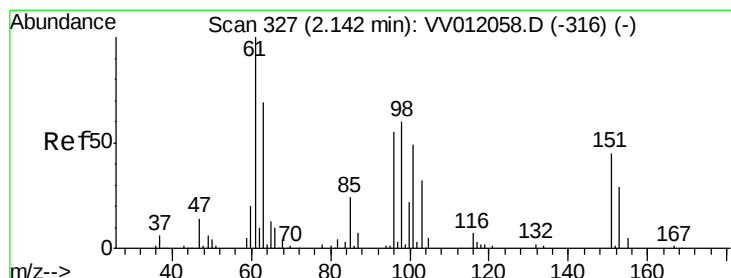
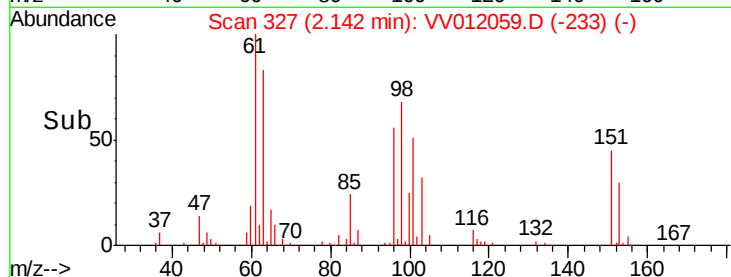
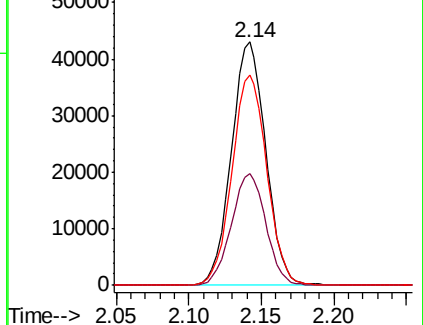
151 87.6 71.4 107.2



Abundance Ion 101.00 (100.70 to 101.70): VV012058.D (-313) (-)

Ion 85.00 (84.70 to 85.70): VV012058.D (-313) (-)

Ion 151.00 (150.70 to 151.70): VV012058.D (-313) (-)



#12

1,1-Dichloroethene

Concen: 10.679 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV012059.D

Acq: 29 Jul 2019 13:00

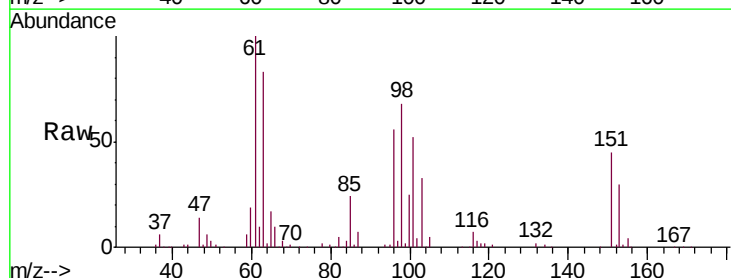
Tgt Ion: 96 Resp: 65429

Ion Ratio Lower Upper

96 100

61 180.0 127.8 237.4

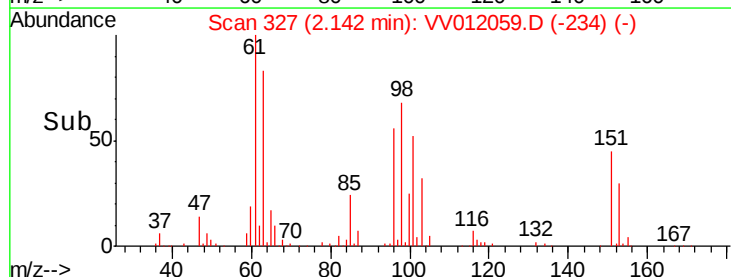
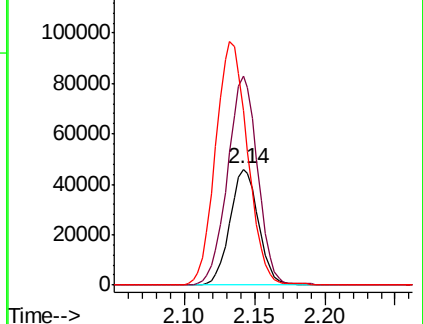
63 150.2 92.7 172.3

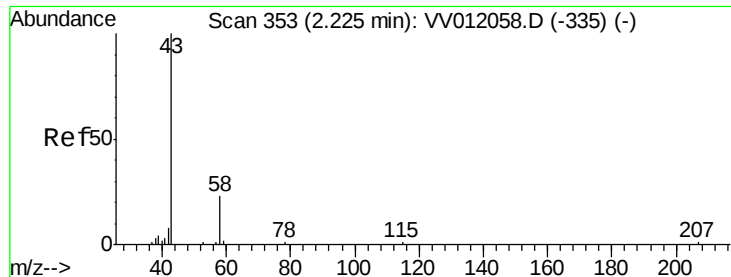


Abundance Ion 96.00 (95.70 to 96.70): VV012058.D (-316) (-)

Ion 61.05 (60.75 to 61.75): VV012058.D (-316) (-)

Ion 63.00 (62.70 to 63.70): VV012058.D (-316) (-)





#13

Acetone

Concen: 102.875 ug/L

RT: 2.22 min Scan# 352

Delta R.T. -0.00 min

Lab File: VV012059.D

Acq: 29 Jul 2019 13:00

Instrument :

MSVOA_V

ClientSampleId :

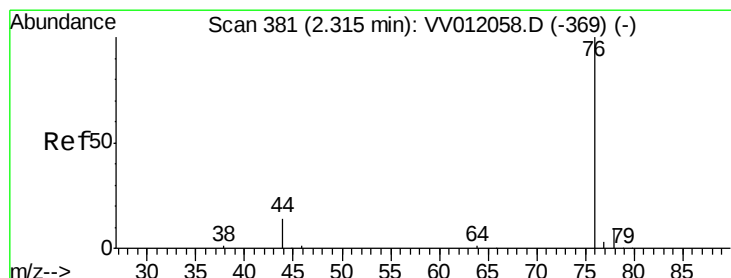
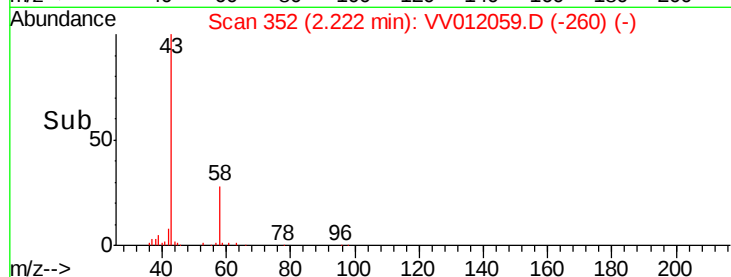
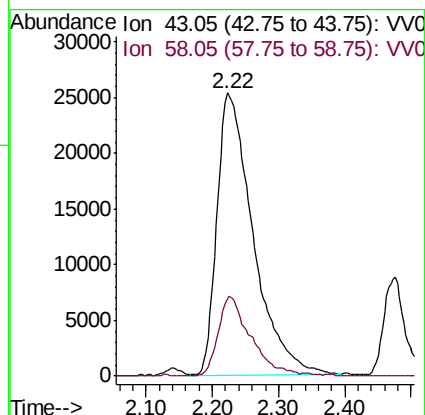
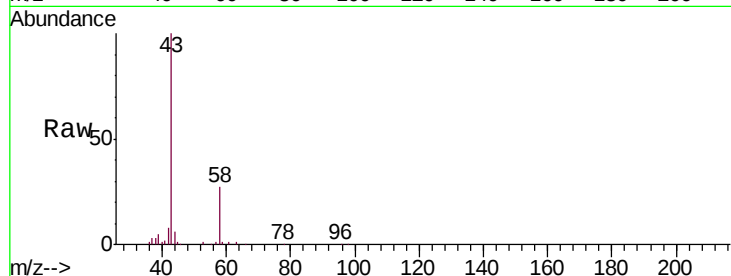
VSTD010351

Tgt Ion: 43 Resp: 96334

Ion Ratio Lower Upper

43 100

58 25.3 0.0 51.6



#14

Carbon disulfide

Concen: 10.709 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV012059.D

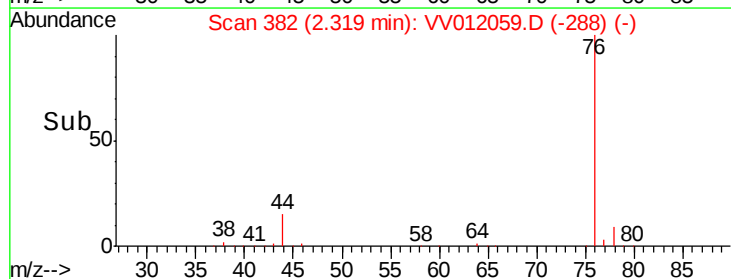
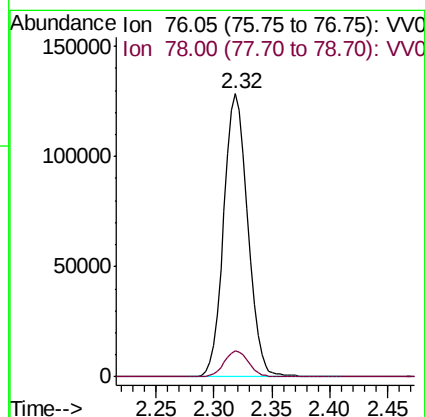
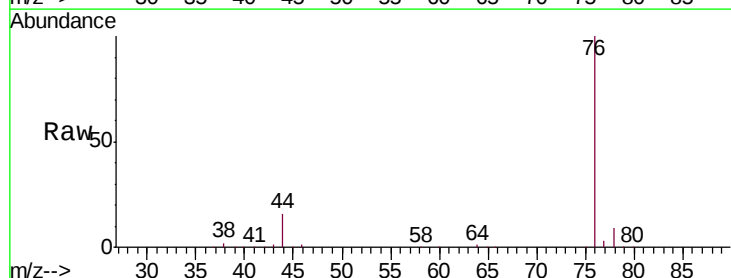
Acq: 29 Jul 2019 13:00

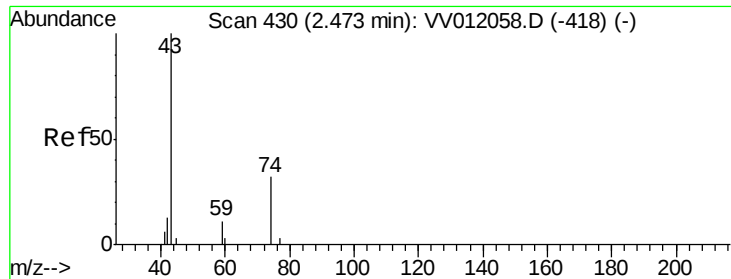
Tgt Ion: 76 Resp: 185180

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8

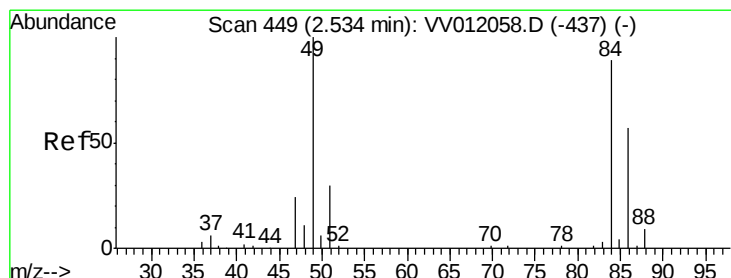
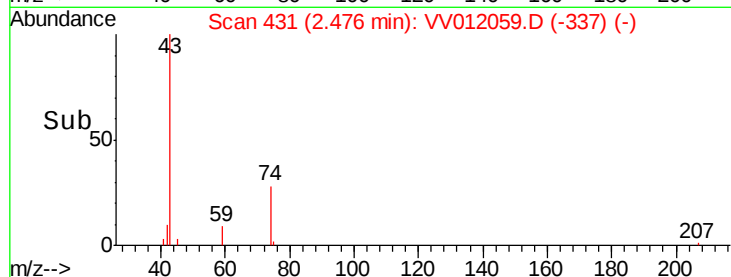
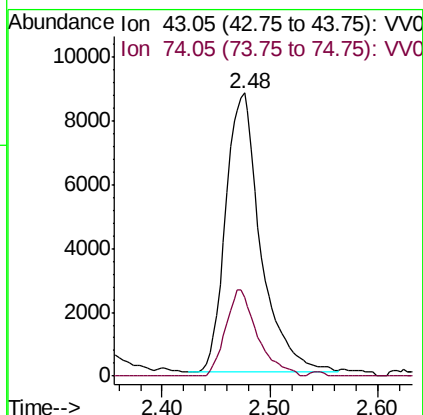
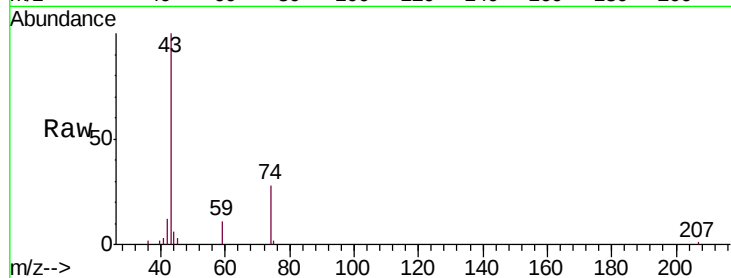




#15
Methyl Acetate
Concen: 10.778 ug/L
RT: 2.48 min Scan# 431
Delta R.T. 0.00 min
Lab File: VV012059.D
Acq: 29 Jul 2019 13:00

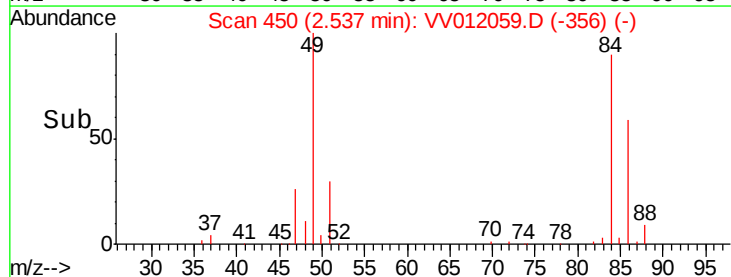
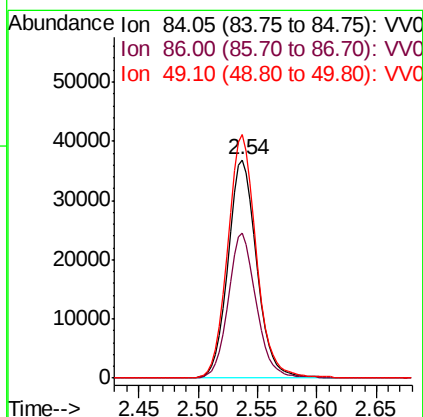
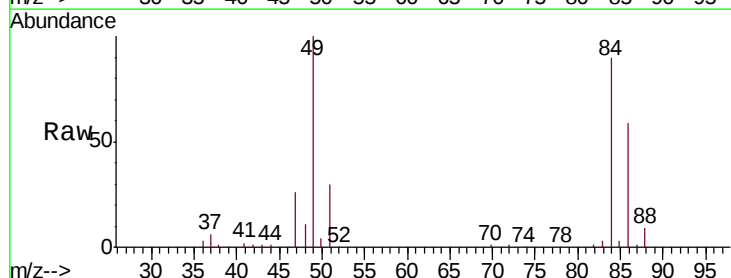
Instrument :
MSVOA_V
ClientSampleId :
VSTD010351

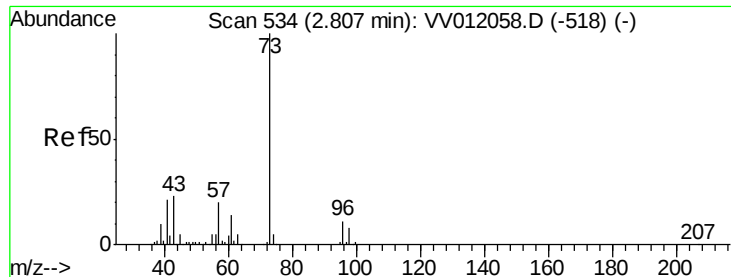
Tgt Ion: 43 Resp: 19729
Ion Ratio Lower Upper
43 100
74 28.2 24.4 36.6



#16
Methylene chloride
Concen: 9.972 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV012059.D
Acq: 29 Jul 2019 13:00

Tgt Ion: 84 Resp: 61730
Ion Ratio Lower Upper
84 100
86 66.2 44.9 83.3
49 111.4 78.6 146.0





#17

Methyl tert-butyl Ether

Concen: 10.714 ug/L

RT: 2.81 min Scan# 535

Delta R.T. 0.00 min

Lab File: VV012059.D

Acq: 29 Jul 2019 13:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD010351

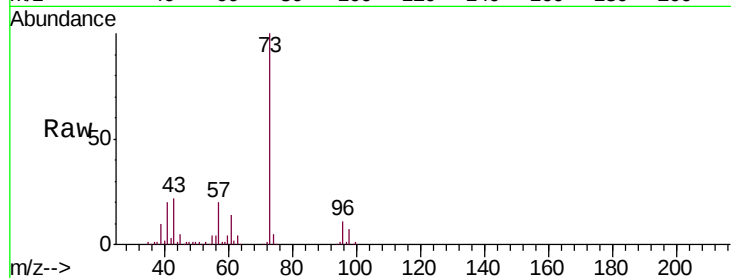
Tgt Ion: 73 Resp: 212039

Ion Ratio Lower Upper

73 100

43 21.3 17.6 26.4

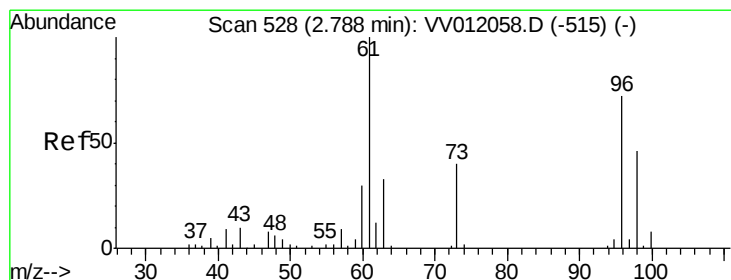
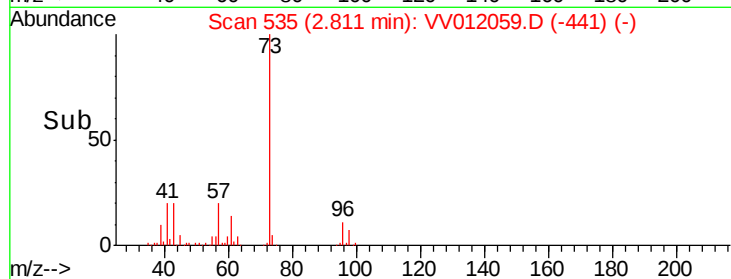
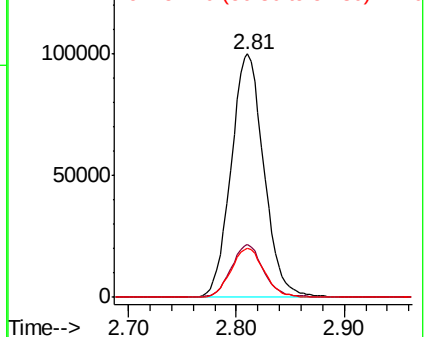
57 20.5 17.0 25.6



Abundance Ion 73.10 (72.80 to 73.80): VV012058.D (-518) (-)

Ion 43.05 (42.75 to 43.75): VV012058.D (-518) (-)

Ion 57.10 (56.80 to 57.80): VV012058.D (-518) (-)



#18

trans-1,2-Dichloroethene

Concen: 10.545 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV012059.D

Acq: 29 Jul 2019 13:00

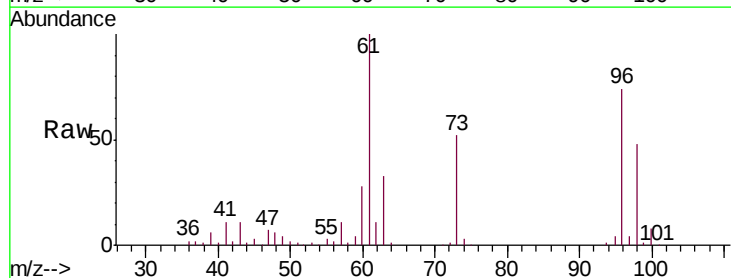
Tgt Ion: 96 Resp: 94516

Ion Ratio Lower Upper

96 100

61 134.6 97.2 180.6

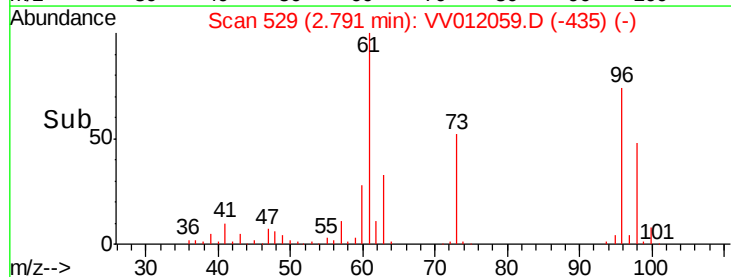
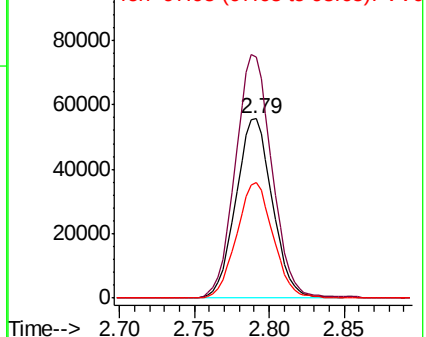
98 64.2 45.0 83.6

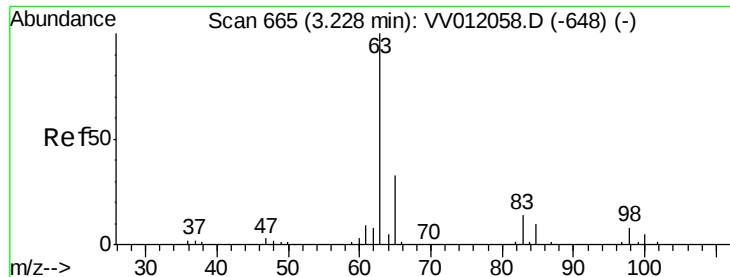


Abundance Ion 96.00 (95.70 to 96.70): VV012058.D (-515) (-)

Ion 61.05 (60.75 to 61.75): VV012058.D (-515) (-)

Ion 97.95 (97.65 to 98.65): VV012058.D (-515) (-)

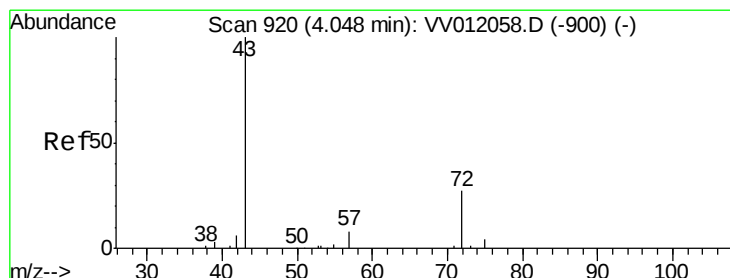
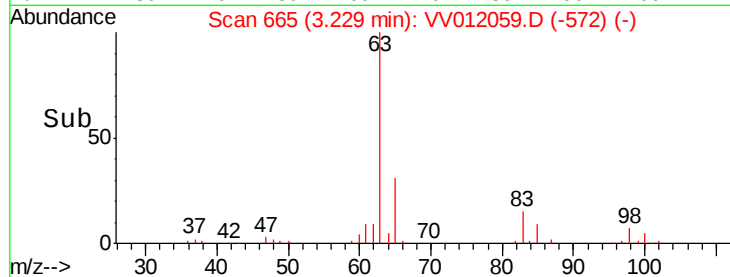
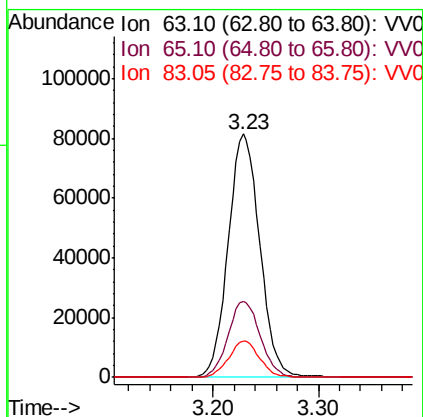
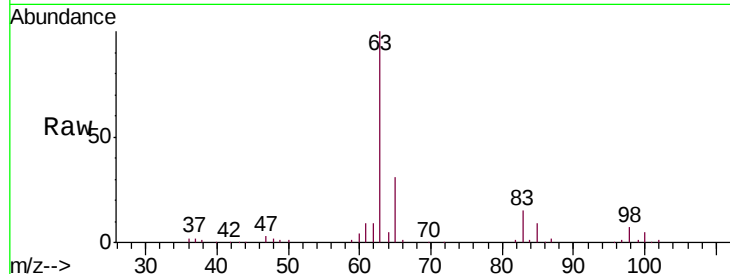




#19
 1,1-Dichloroethane
 Concen: 10.257 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV012059.D
 Acq: 29 Jul 2019 13:00

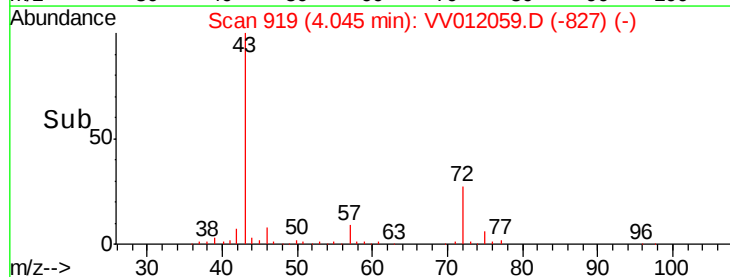
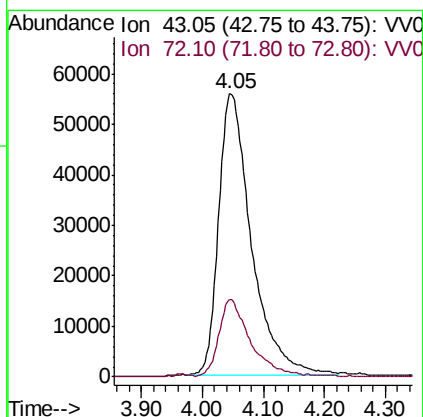
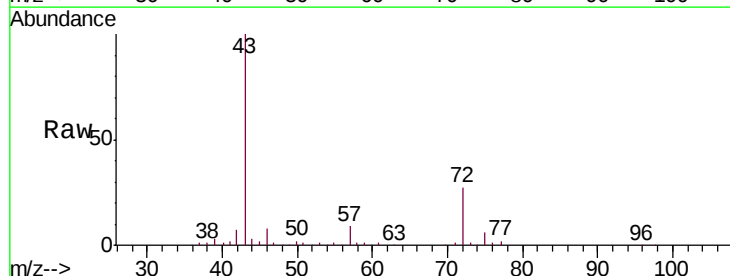
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010351

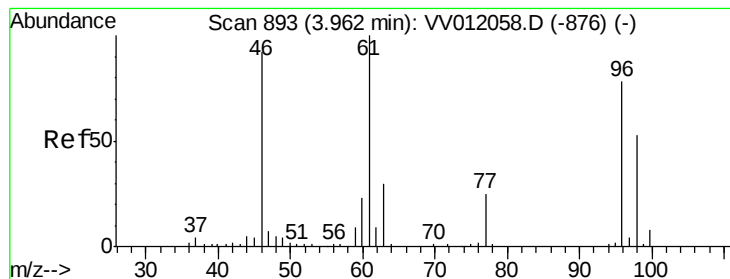
Tgt Ion: 63 Resp: 168843
 Ion Ratio Lower Upper
 63 100
 65 31.3 23.0 42.6
 83 14.9 9.7 17.9



#21
 2-Butanone
 Concen: 107.428 ug/L
 RT: 4.05 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VV012059.D
 Acq: 29 Jul 2019 13:00

Tgt Ion: 43 Resp: 207462
 Ion Ratio Lower Upper
 43 100
 72 26.1 13.4 40.2



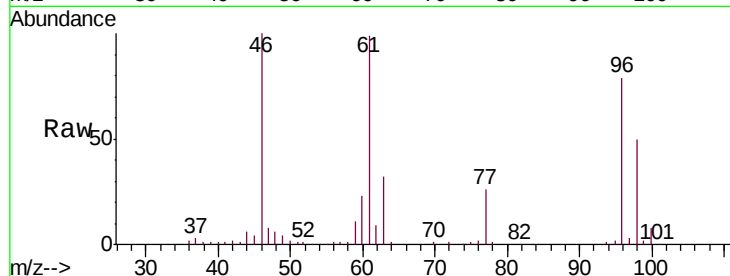


#22

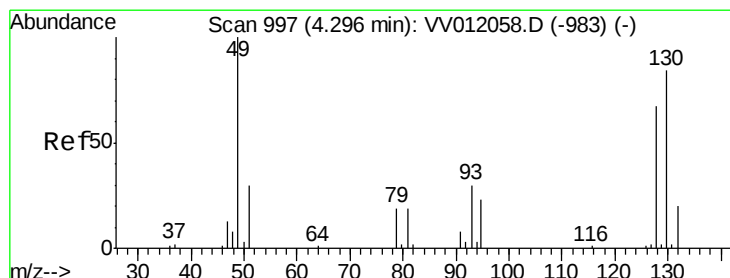
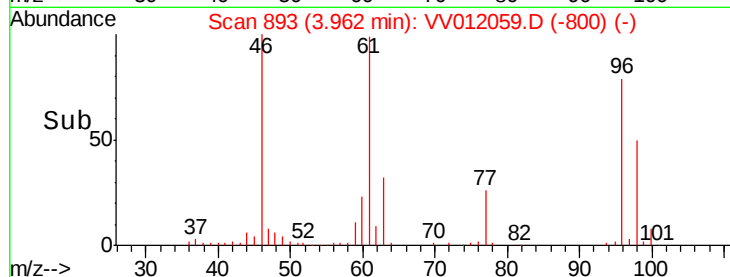
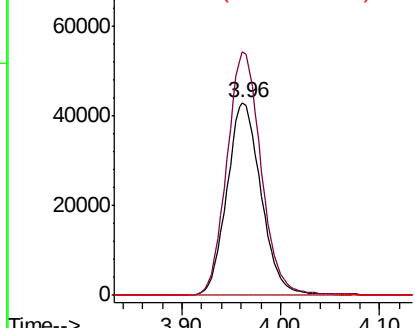
cis-1,2-Dichloroethene
Concen: 10.854 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV012059.D
Acq: 29 Jul 2019 13:00

Instrument :
MSVOA_V
ClientSampleId :
VSTD010351

Tgt Ion: 96 Resp: 103815
Ion Ratio Lower Upper
96 100
61 126.2 90.0 167.2
68 0.0 0.0 0.0



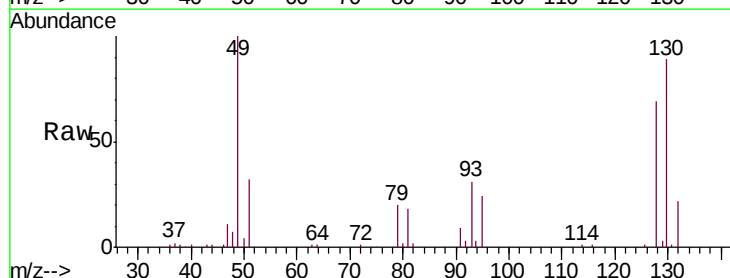
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



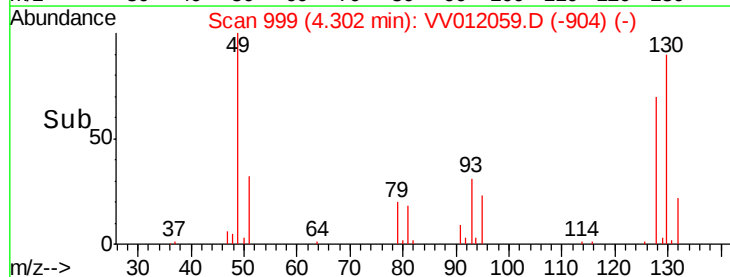
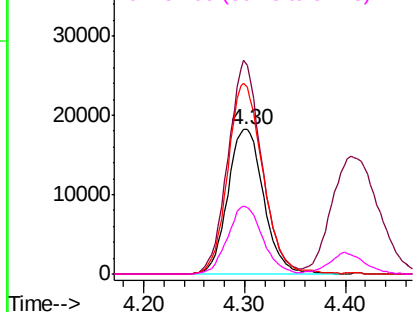
#23

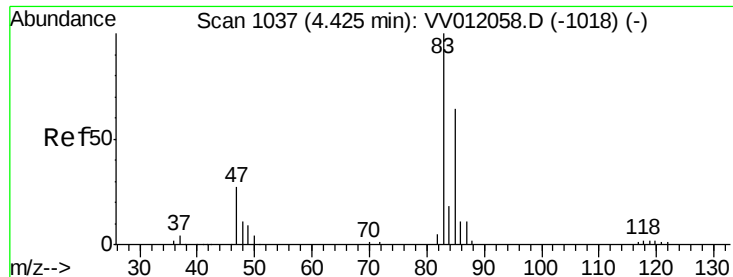
Bromochloromethane
Concen: 10.636 ug/L
RT: 4.30 min Scan# 999
Delta R.T. 0.01 min
Lab File: VV012059.D
Acq: 29 Jul 2019 13:00

Tgt Ion: 128 Resp: 45216
Ion Ratio Lower Upper
128 100
49 144.9 105.1 195.1
130 129.0 88.9 165.1
51 46.2 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

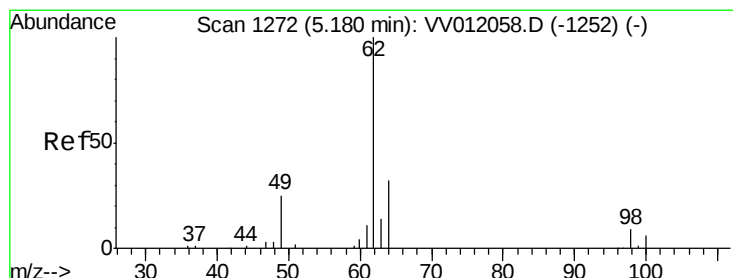
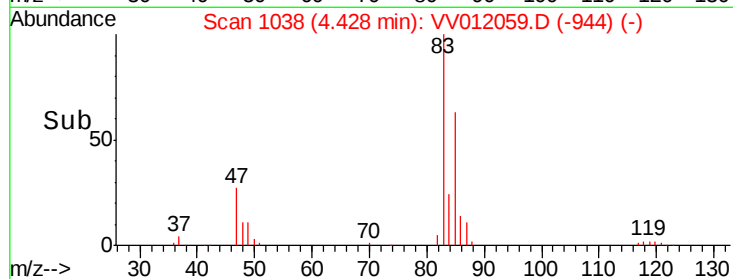
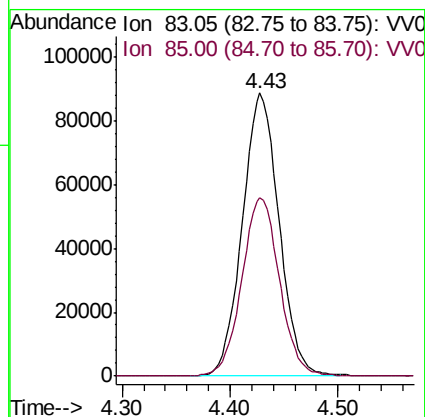
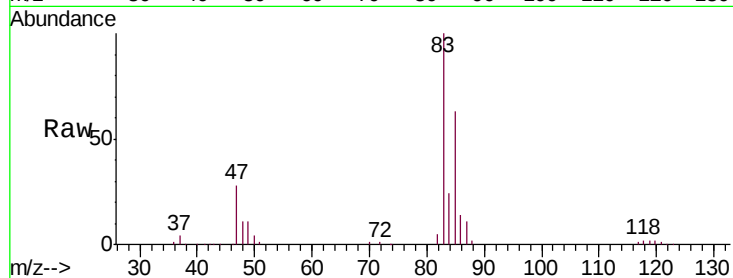




#25
Chloroform
Concen: 10.238 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV012059.D
Acq: 29 Jul 2019 13:00

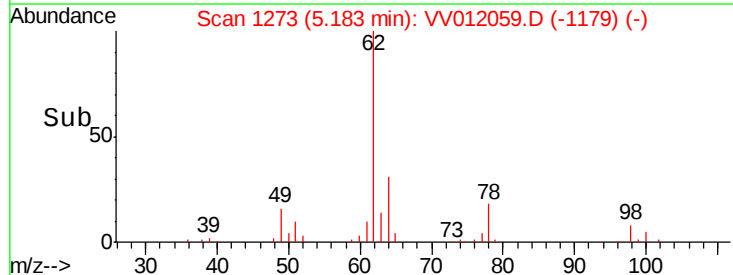
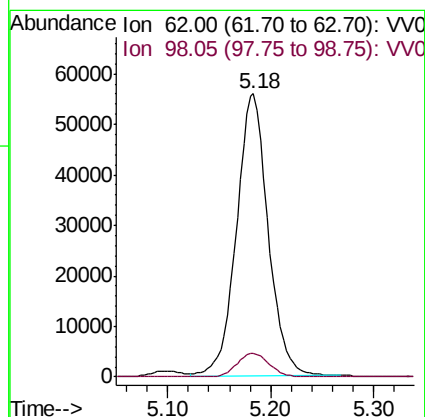
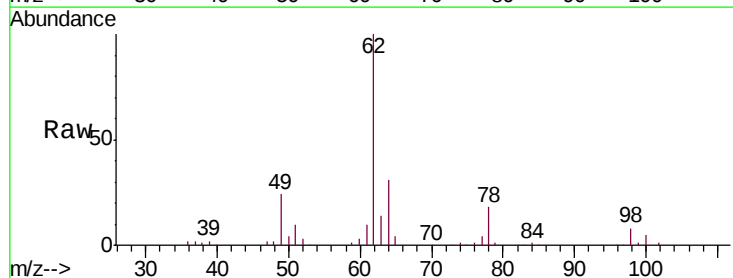
Instrument :
MSVOA_V
ClientSampleId :
VSTD010351

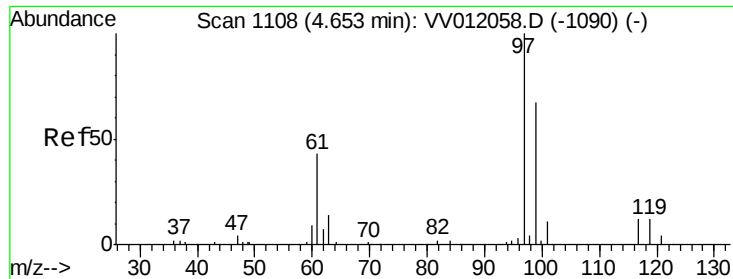
Tgt Ion: 83 Resp: 209676
Ion Ratio Lower Upper
83 100
85 63.1 45.2 84.0



#27
1,2-Dichloroethane
Concen: 10.803 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV012059.D
Acq: 29 Jul 2019 13:00

Tgt Ion: 62 Resp: 119836
Ion Ratio Lower Upper
62 100
98 8.4 7.0 10.6

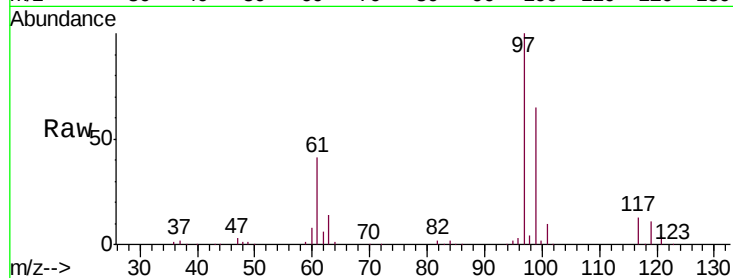




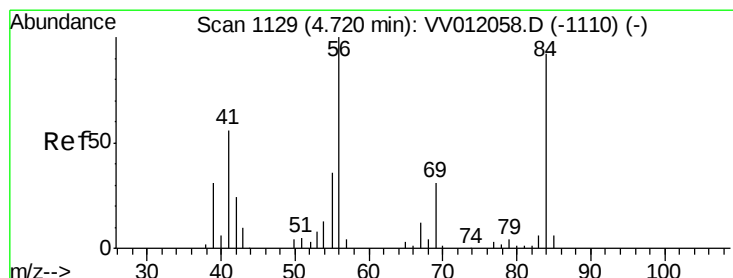
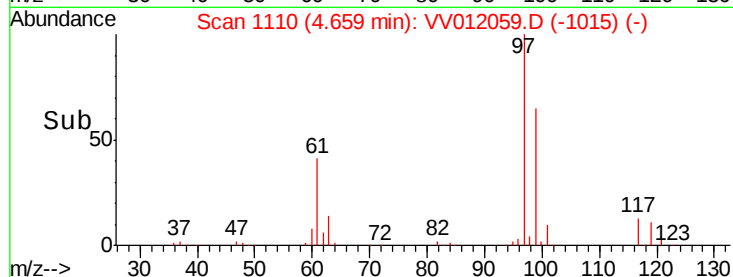
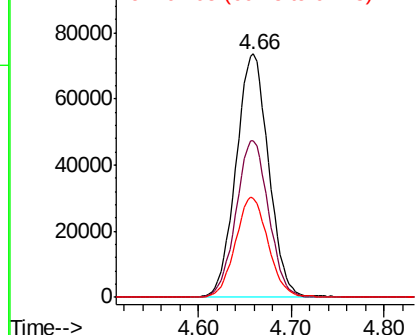
#29
 1,1,1-Trichloroethane
 Concen: 10.321 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. 0.01 min
 Lab File: VV012059.D
 Acq: 29 Jul 2019 13:00

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010351

Tgt Ion: 97 Resp: 179716
 Ion Ratio Lower Upper
 97 100
 99 64.1 51.8 77.8
 61 41.4 34.5 51.7

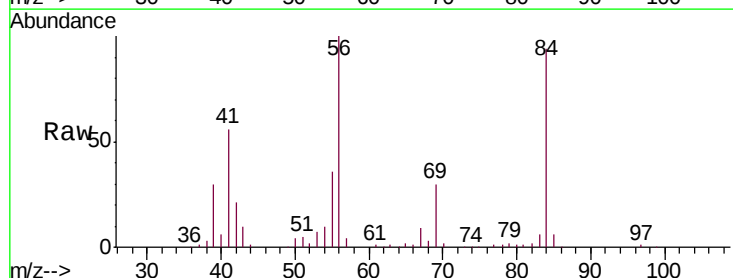


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

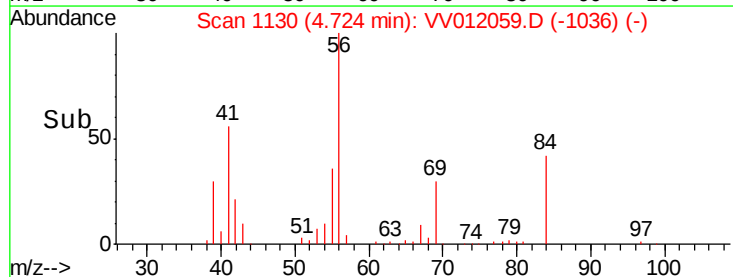
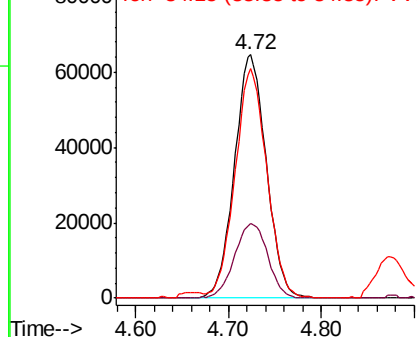


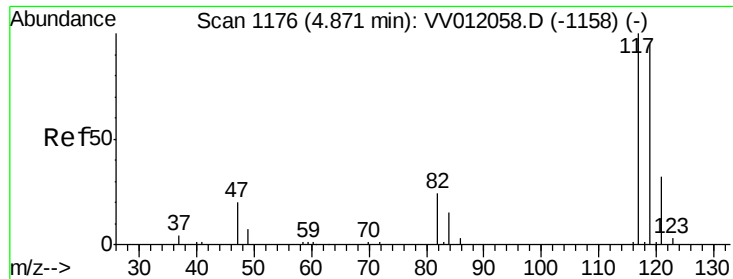
#30
 Cyclohexane
 Concen: 10.277 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. 0.00 min
 Lab File: VV012059.D
 Acq: 29 Jul 2019 13:00

Tgt Ion: 56 Resp: 153990
 Ion Ratio Lower Upper
 56 100
 69 31.8 24.8 37.2
 84 93.6 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

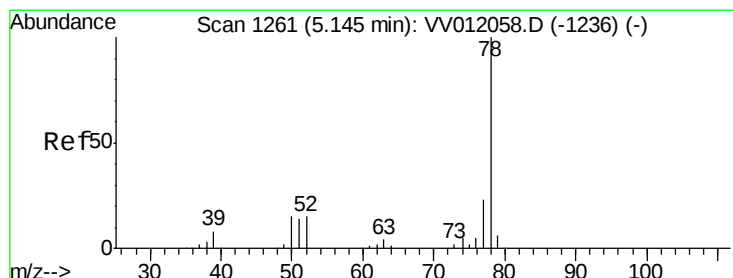
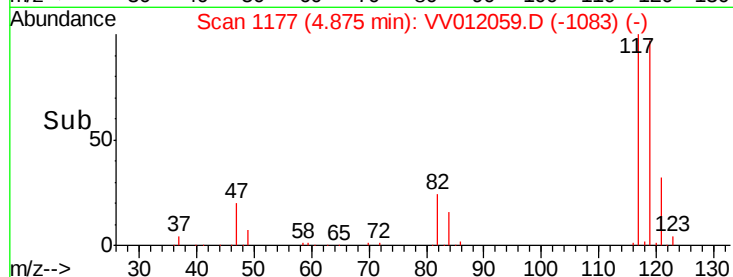
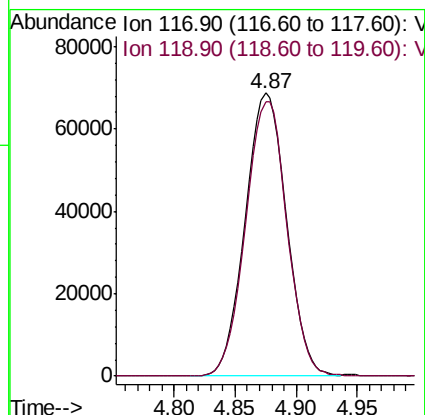
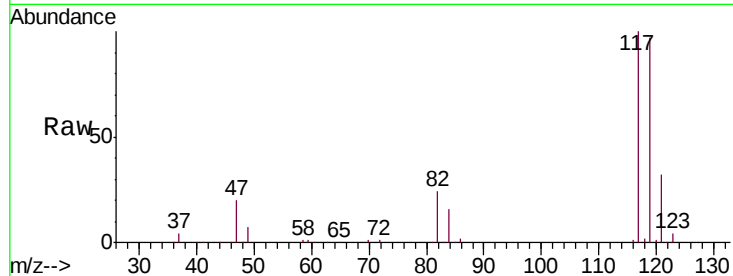




#31
Carbon tetrachloride
Concen: 10.134 ug/L
RT: 4.87 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VV012059.D
Acq: 29 Jul 2019 13:00

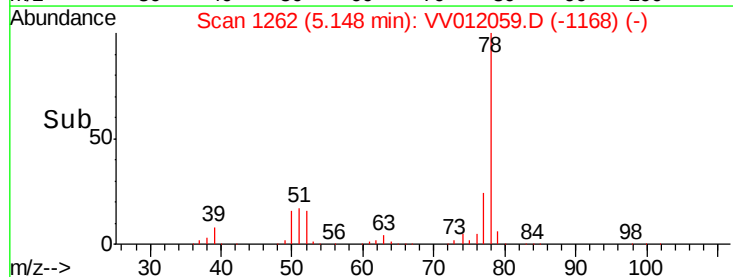
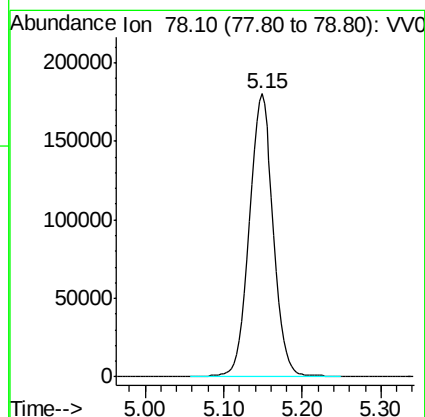
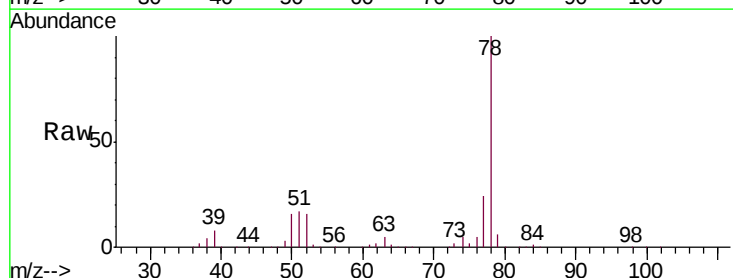
Instrument :
MSVOA_V
ClientSampleId :
VSTD010351

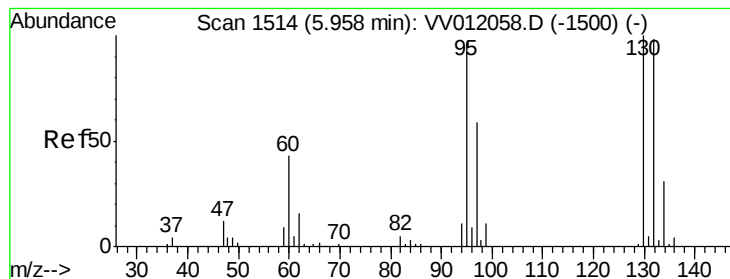
Tgt Ion:117 Resp: 161087
Ion Ratio Lower Upper
117 100
119 97.3 77.7 116.5



#33
Benzene
Concen: 10.025 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VV012059.D
Acq: 29 Jul 2019 13:00

Tgt Ion: 78 Resp: 388987





#34

Trichloroethene

Concen: 10.069 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV012059.D

Acq: 29 Jul 2019 13:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD010351

Tgt Ion: 95 Resp: 108453

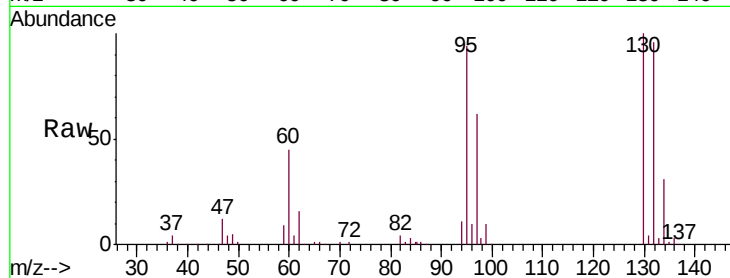
Ion Ratio Lower Upper

95 100

97 66.2 42.8 79.6

132 102.0 70.8 131.6

130 106.2 72.3 134.3

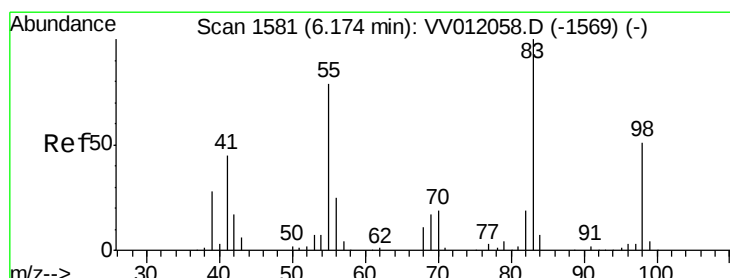
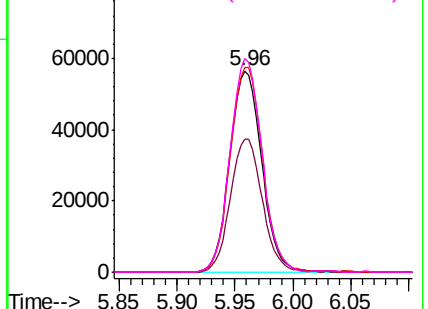
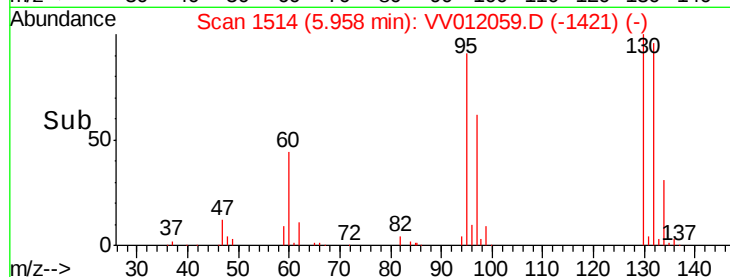


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 10.439 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV012059.D

Acq: 29 Jul 2019 13:00

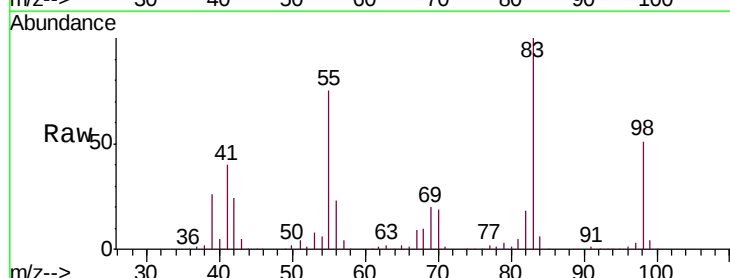
Tgt Ion: 83 Resp: 177801

Ion Ratio Lower Upper

83 100

55 75.0 60.1 90.1

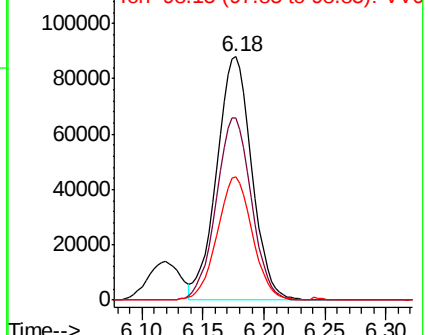
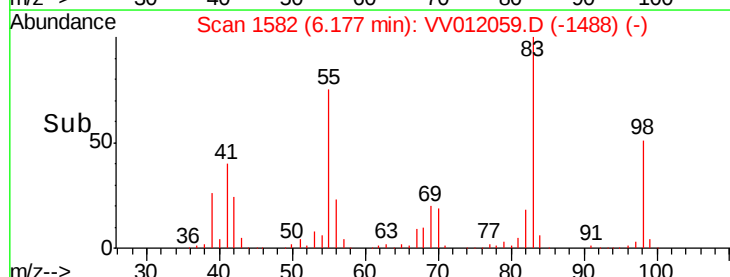
98 50.4 40.2 60.4

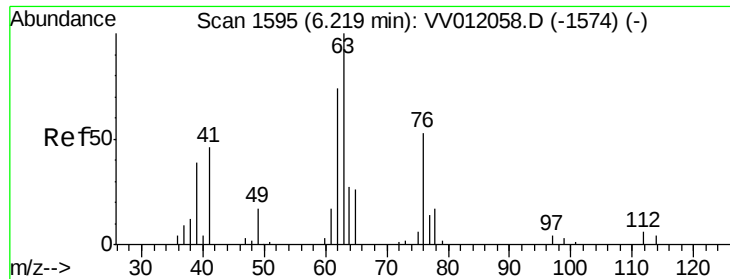


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

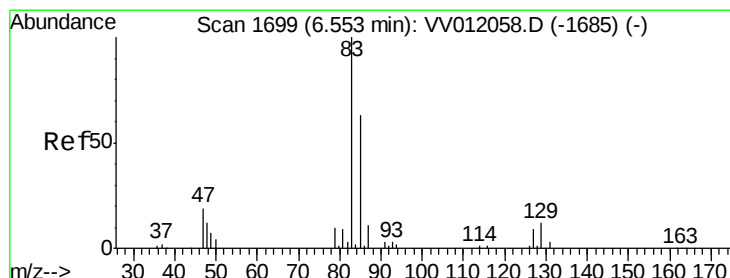
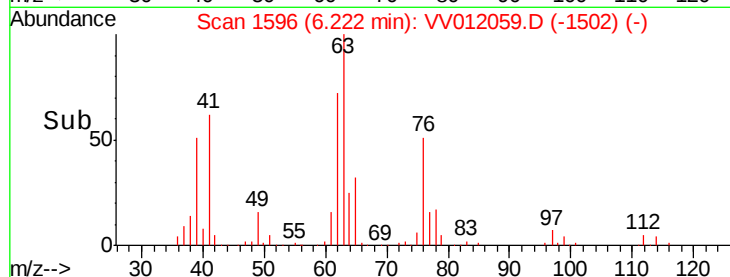
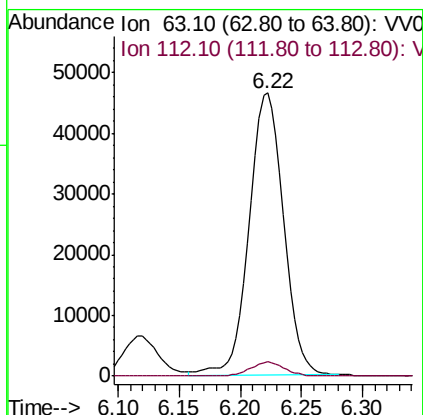
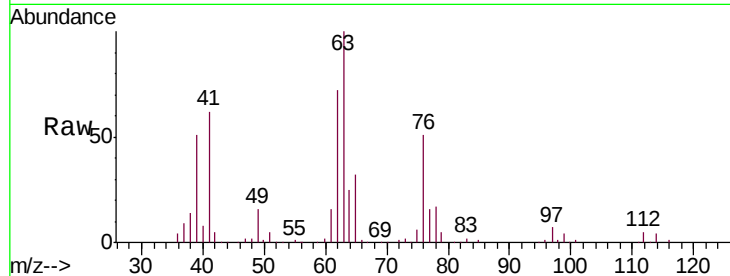




#37
 1,2-Dichloropropane
 Concen: 10.131 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VV012059.D
 Acq: 29 Jul 2019 13:00

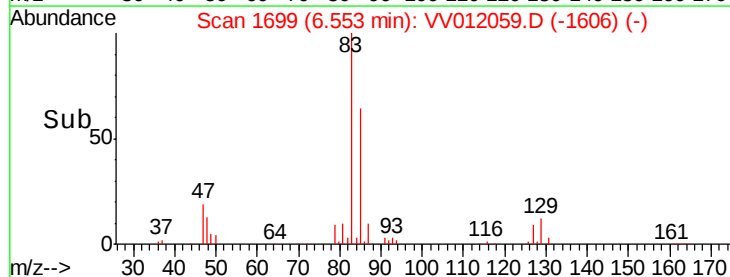
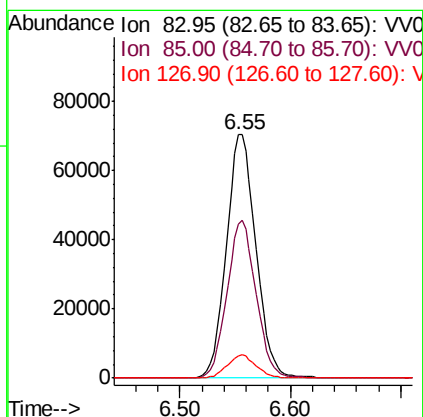
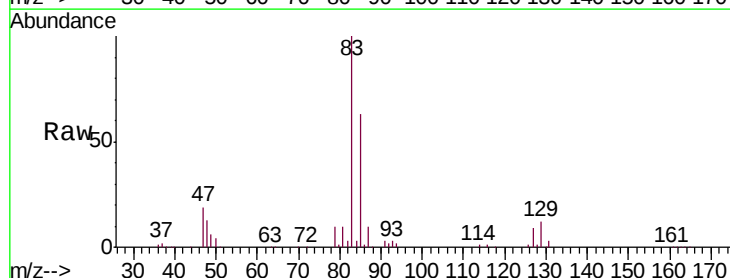
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010351

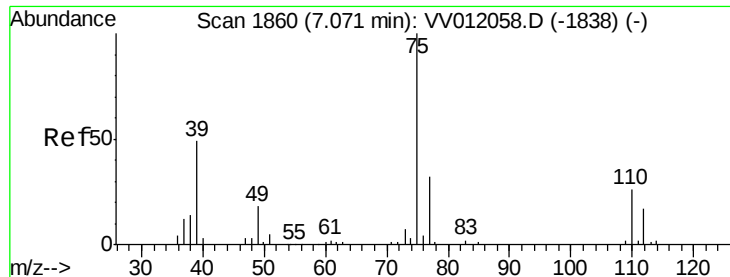
Tgt Ion: 63 Resp: 90671
 Ion Ratio Lower Upper
 63 100
 112 5.0 3.8 5.6



#38
 Bromodichloromethane
 Concen: 10.306 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV012059.D
 Acq: 29 Jul 2019 13:00

Tgt Ion: 83 Resp: 130598
 Ion Ratio Lower Upper
 83 100
 85 63.3 43.9 81.5
 127 9.0 6.9 10.3

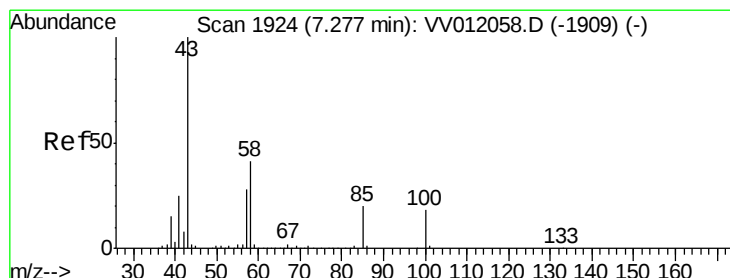
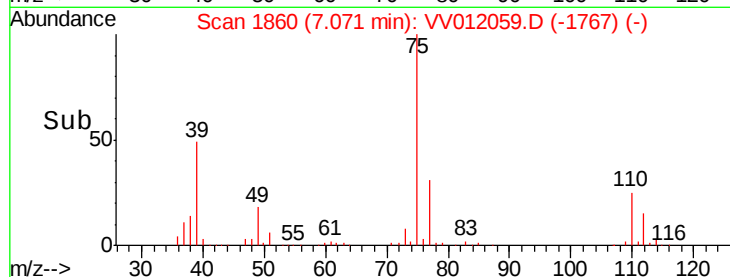
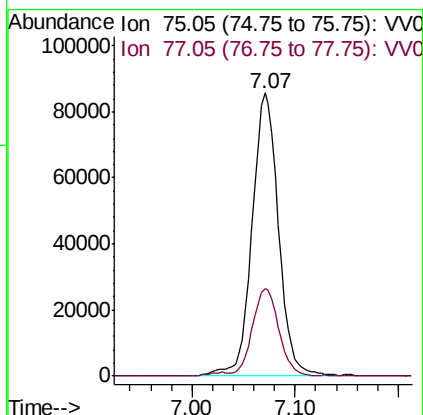
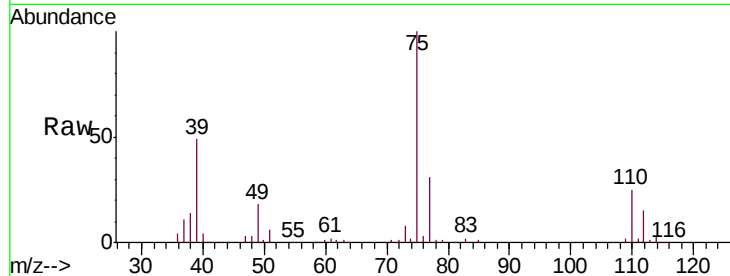




#39
 cis-1,3-Dichloropropene
 Concen: 10.705 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV012059.D
 Acq: 29 Jul 2019 13:00

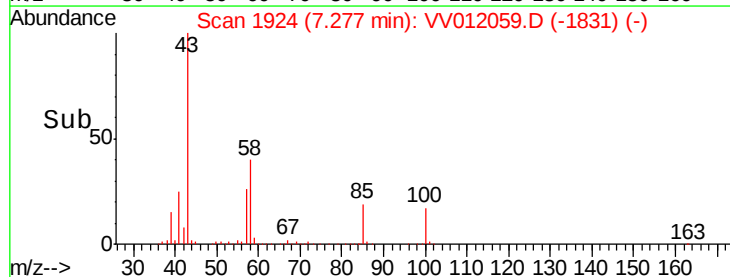
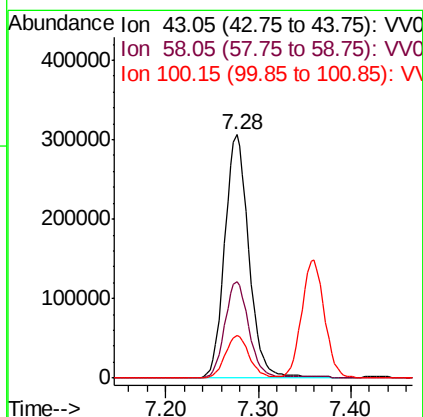
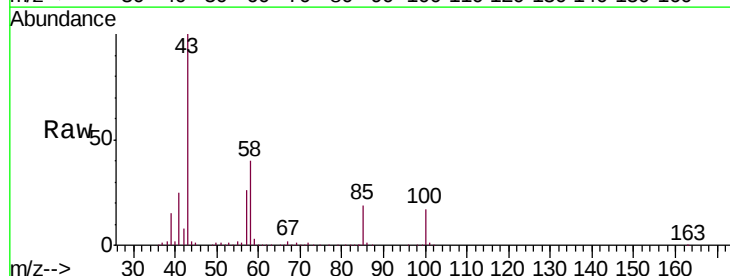
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010351

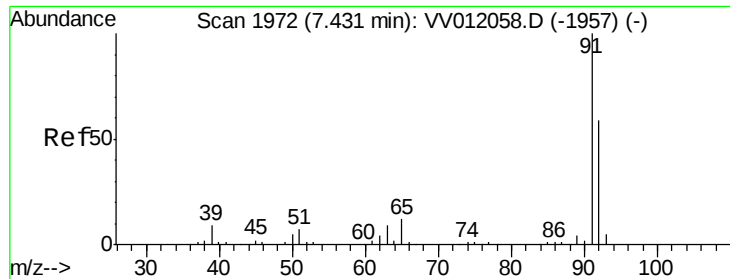
Tgt Ion: 75 Resp: 152516
 Ion Ratio Lower Upper
 75 100
 77 31.1 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 108.730 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV012059.D
 Acq: 29 Jul 2019 13:00

Tgt Ion: 43 Resp: 555153
 Ion Ratio Lower Upper
 43 100
 58 39.3 31.9 47.9
 100 17.3 14.0 21.0





#42

Toluene

Concen: 10.417 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012059.D

Acq: 29 Jul 2019 13:00

Instrument :

MSVOA_V

ClientSampleId :

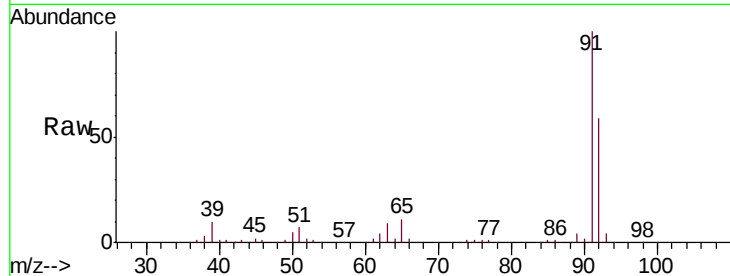
VSTD010351

Tgt Ion: 91 Resp: 457802

Ion Ratio Lower Upper

91 100

92 59.3 41.3 76.7



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

300000

250000

200000

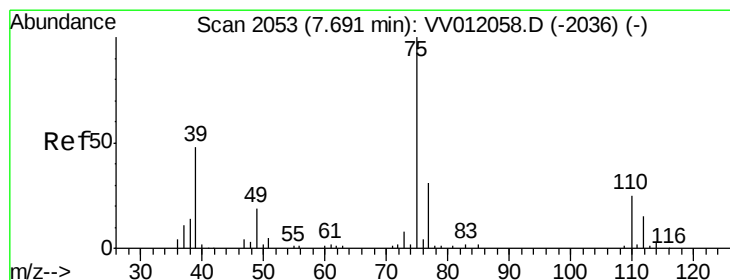
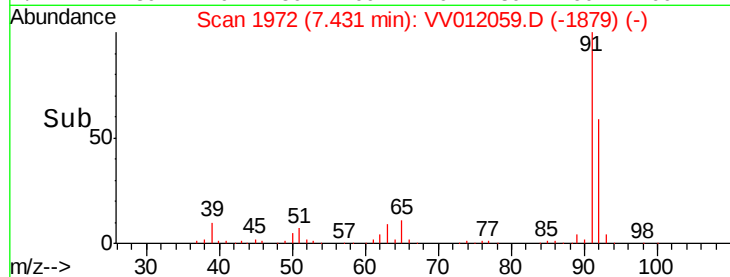
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 10.817 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV012059.D

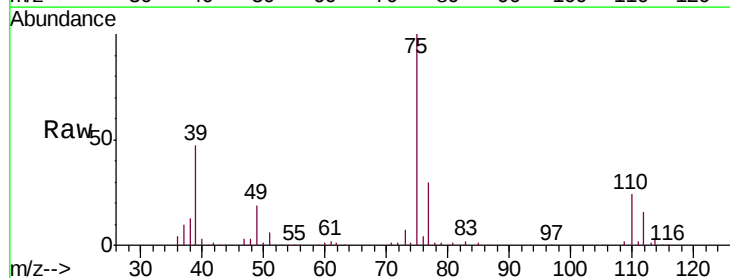
Acq: 29 Jul 2019 13:00

Tgt Ion: 75 Resp: 124186

Ion Ratio Lower Upper

75 100

77 30.4 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.69

80000

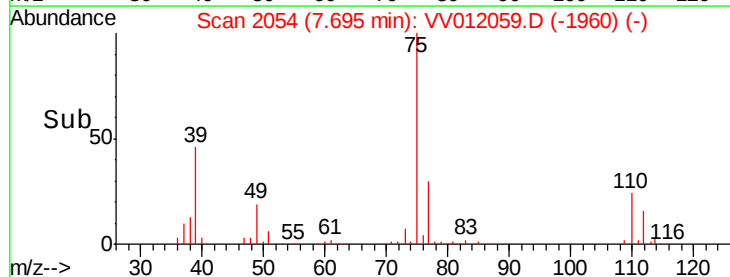
60000

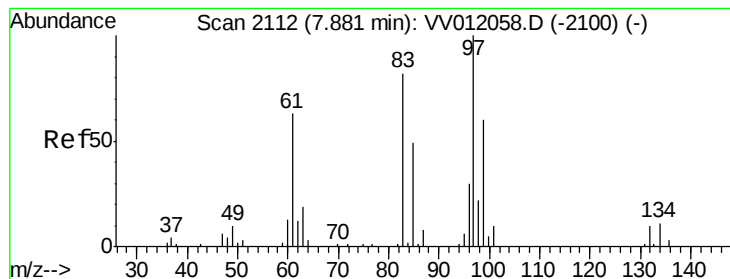
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 10.218 ug/L

RT: 7.88 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VV012059.D

Acq: 29 Jul 2019 13:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD010351

Tgt Ion: 97 Resp: 69049

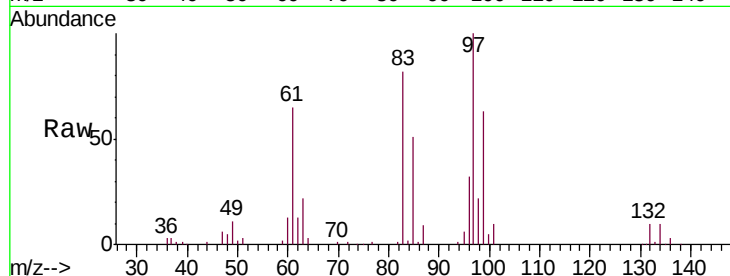
Ion Ratio Lower Upper

97 100

99 63.0 42.0 78.0

83 81.9 57.6 107.0

85 51.1 34.6 64.2

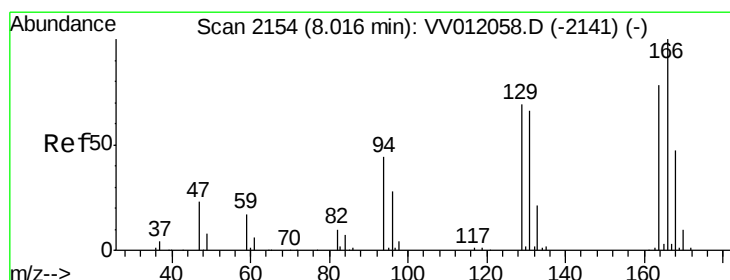
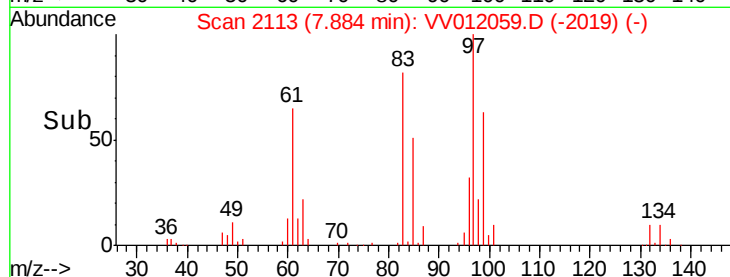
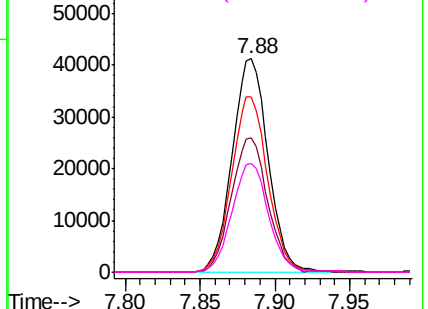


Abundance Ion 96.95 (96.65 to 97.65): VV0

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: 10.024 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV012059.D

Acq: 29 Jul 2019 13:00

Tgt Ion: 164 Resp: 99744

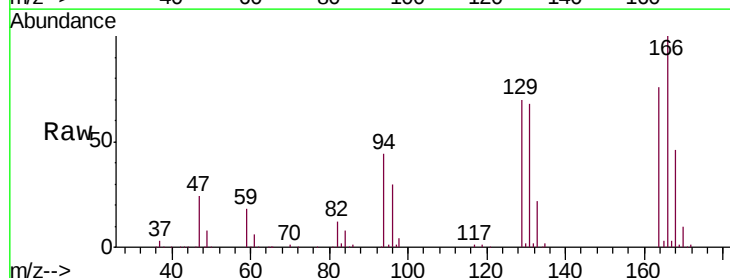
Ion Ratio Lower Upper

164 100

129 91.3 61.9 114.9

131 89.7 59.4 110.4

166 131.1 89.6 166.4

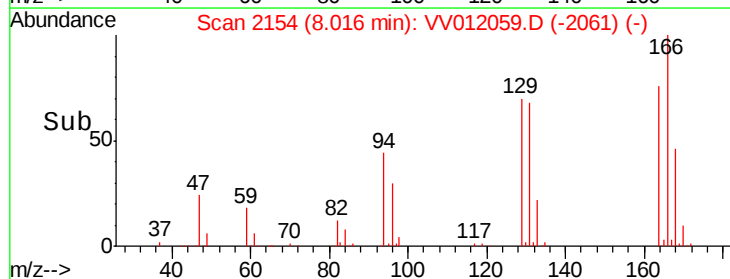
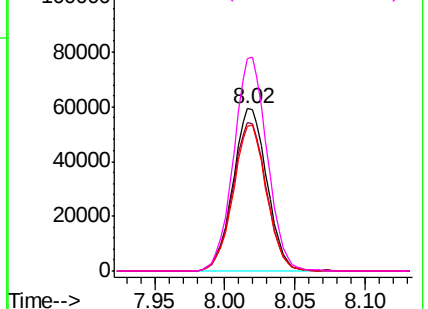


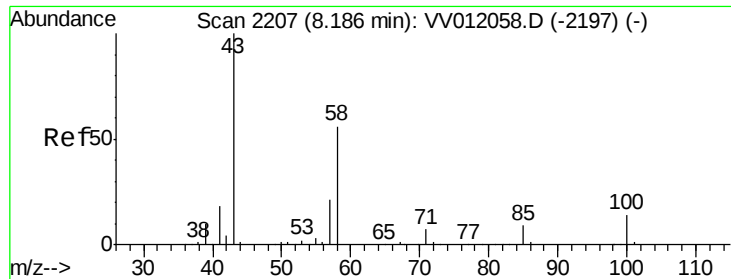
Abundance Ion 163.90 (163.60 to 164.60): V

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

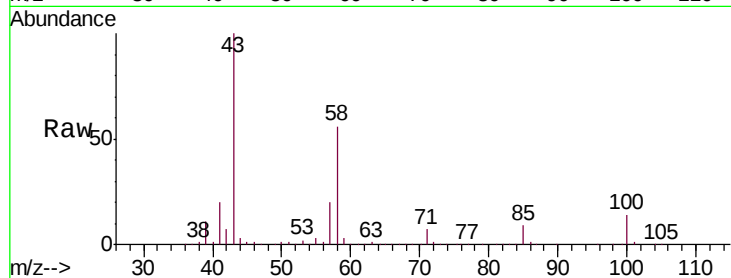




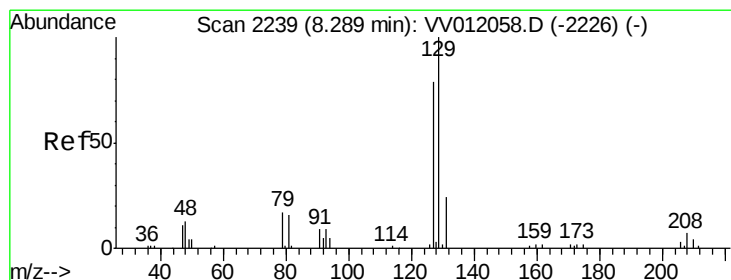
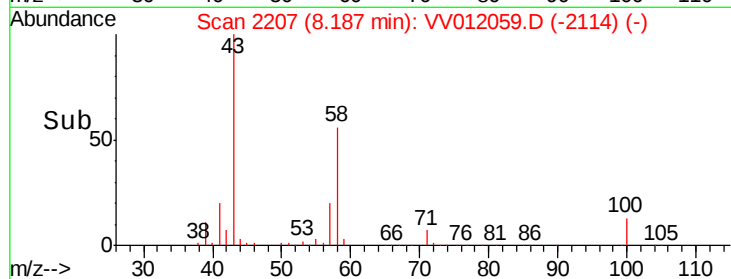
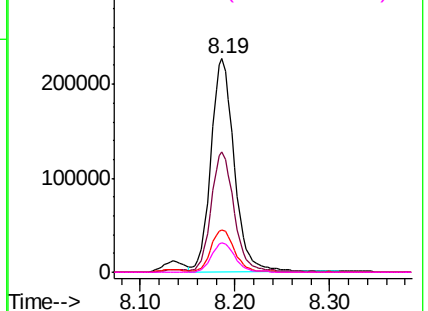
#48
2-Hexanone
Concen: 106.027 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV012059.D
Acq: 29 Jul 2019 13:00

Instrument :
MSVOA_V
ClientSampleId :
VSTD010351

Tgt Ion: 43 Resp: 388371
Ion Ratio Lower Upper
43 100
58 55.4 44.1 66.1
57 20.4 16.1 24.1
100 14.1 11.3 16.9

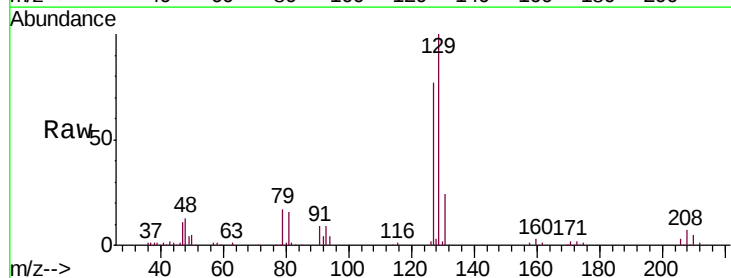


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

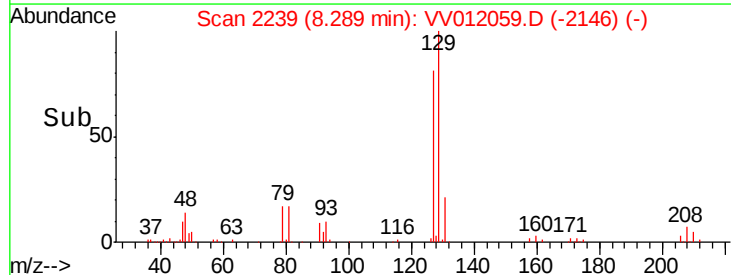
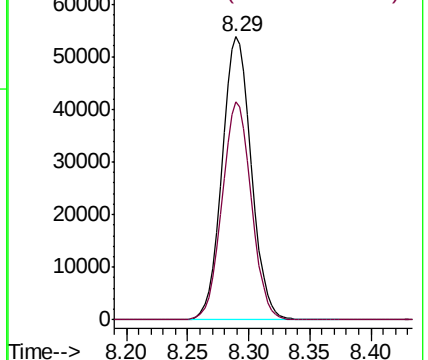


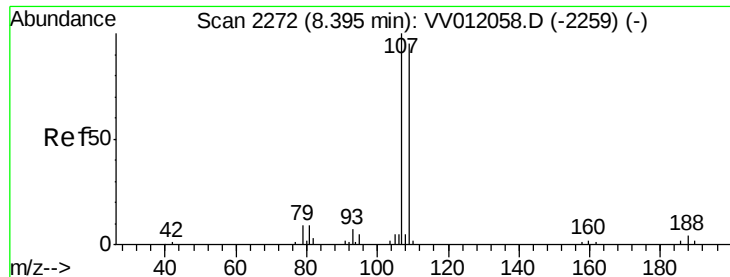
#49
Dibromochloromethane
Concen: 10.662 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV012059.D
Acq: 29 Jul 2019 13:00

Tgt Ion: 129 Resp: 90793
Ion Ratio Lower Upper
129 100
127 77.0 55.4 102.8



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

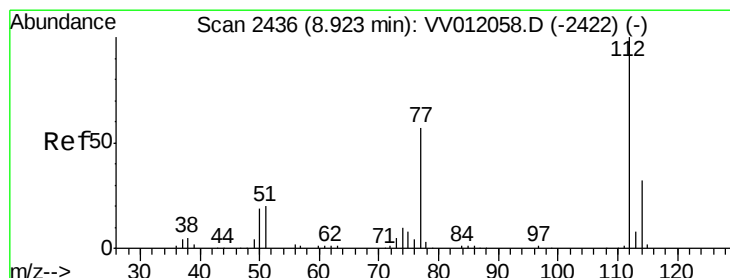
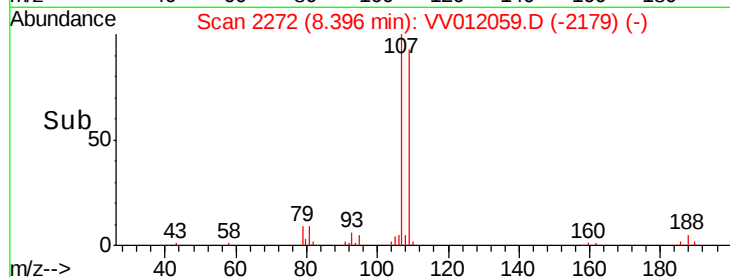
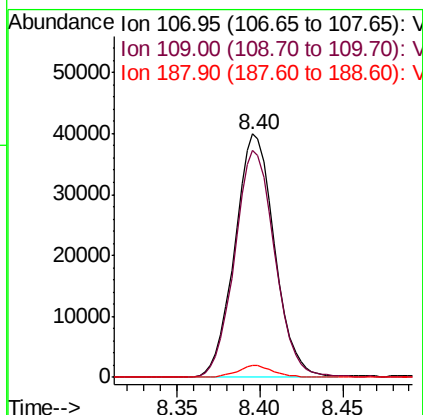
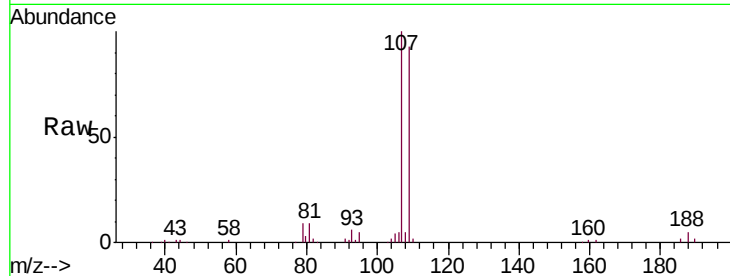




#50
1,2-Dibromoethane
Concen: 10.453 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV012059.D
Acq: 29 Jul 2019 13:00

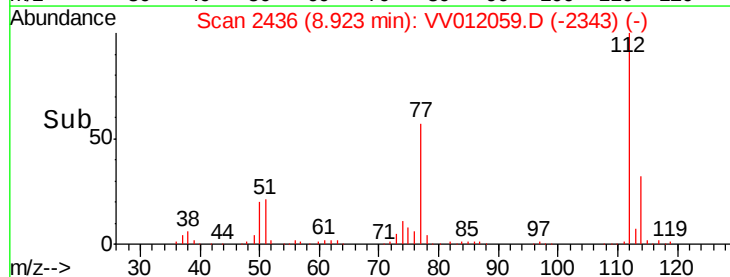
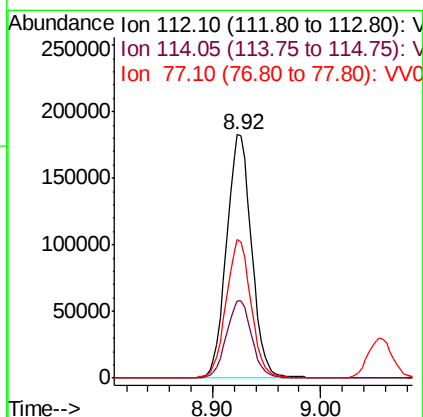
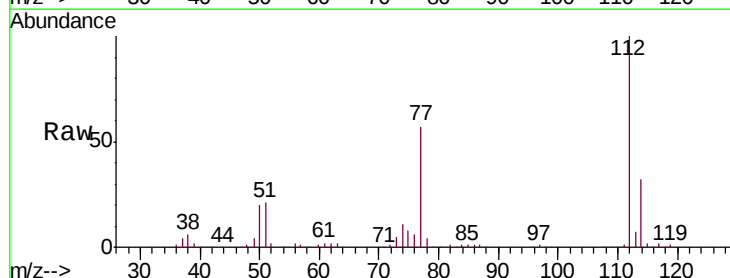
Instrument :
MSVOA_V
ClientSampleId :
VSTD010351

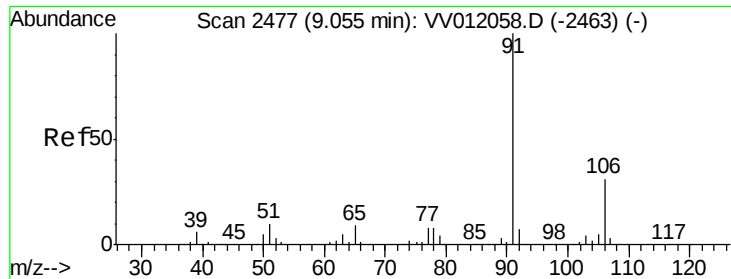
Tgt Ion:107 Resp: 66712
Ion Ratio Lower Upper
107 100
109 93.0 66.3 123.1
188 4.9 3.4 5.0



#51
Chlorobenzene
Concen: 10.443 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV012059.D
Acq: 29 Jul 2019 13:00

Tgt Ion:112 Resp: 296272
Ion Ratio Lower Upper
112 100
114 31.7 22.1 41.1
77 56.8 45.9 68.9

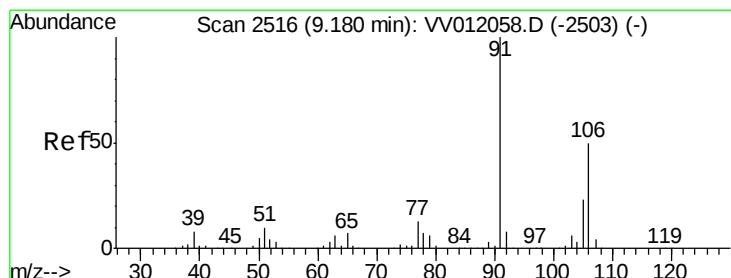
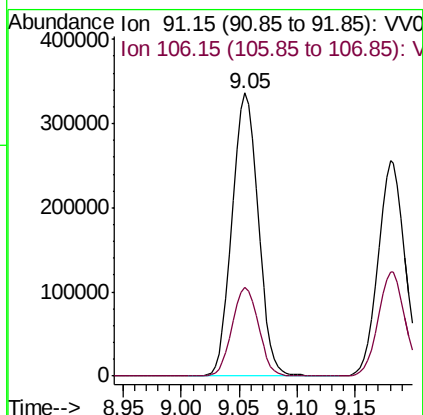
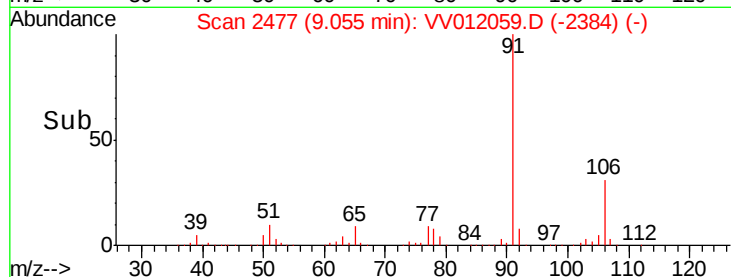
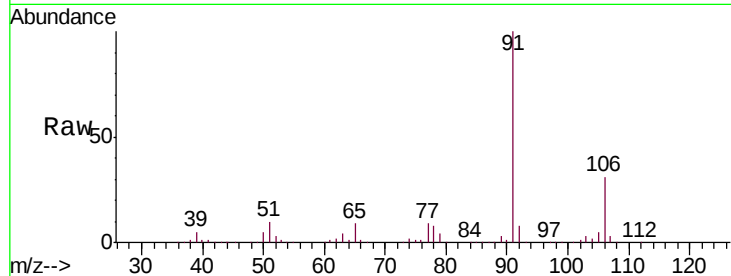




#52
Ethylbenzene
Concen: 10.643 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. 0.00 min
Lab File: VV012059.D
Acq: 29 Jul 2019 13:00

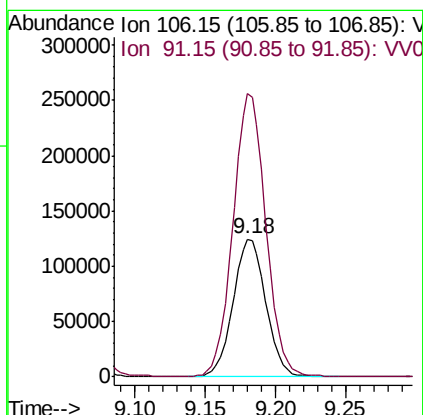
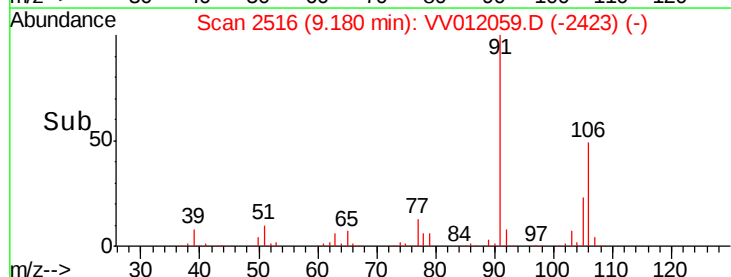
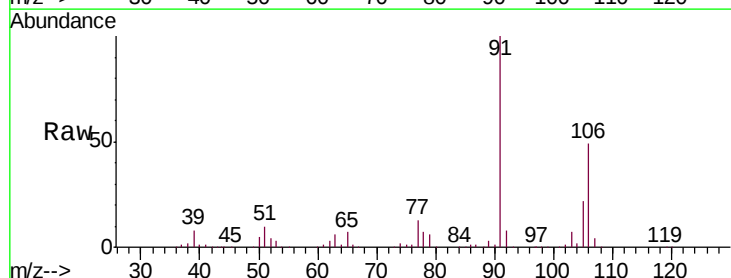
Instrument :
MSVOA_V
ClientSampleId :
VSTD010351

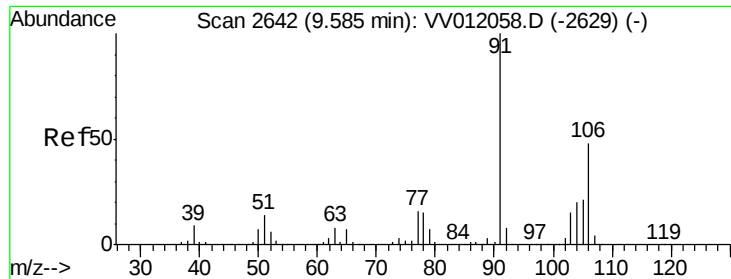
Tgt Ion: 91 Resp: 524007
Ion Ratio Lower Upper
91 100
106 31.3 21.6 40.2



#53
m,p-xylene
Concen: 10.368 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. 0.00 min
Lab File: VV012059.D
Acq: 29 Jul 2019 13:00

Tgt Ion: 106 Resp: 201659
Ion Ratio Lower Upper
106 100
91 205.7 141.6 263.0





#54

o-xylene

Concen: 10.794 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV012059.D

Acq: 29 Jul 2019 13:00

Instrument :

MSVOA_V

ClientSampleId :

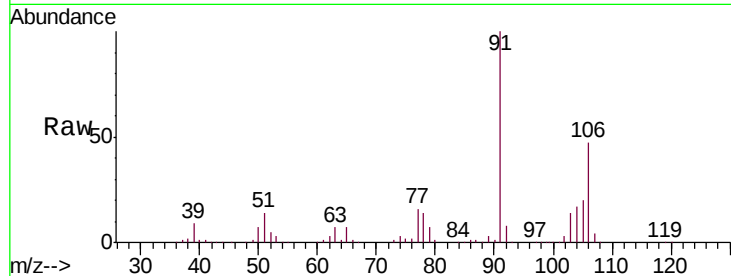
VSTD010351

Tgt Ion:106 Resp: 193595

Ion Ratio Lower Upper

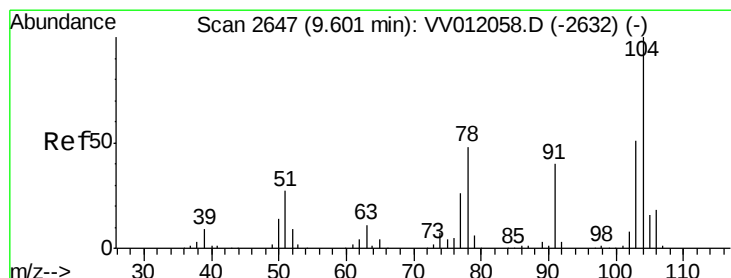
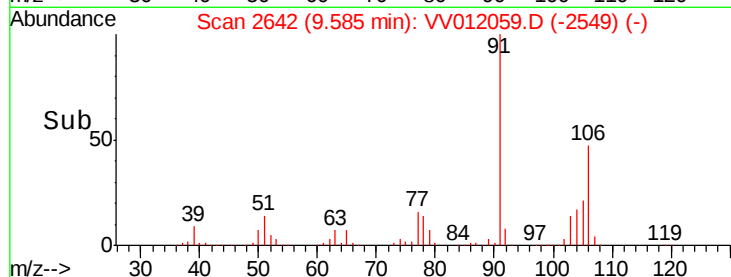
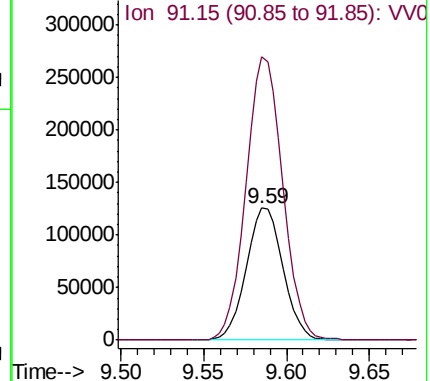
106 100

91 214.2 146.8 272.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 10.763 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV012059.D

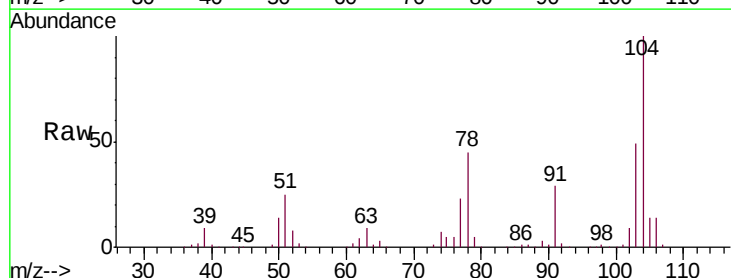
Acq: 29 Jul 2019 13:00

Tgt Ion:104 Resp: 330951

Ion Ratio Lower Upper

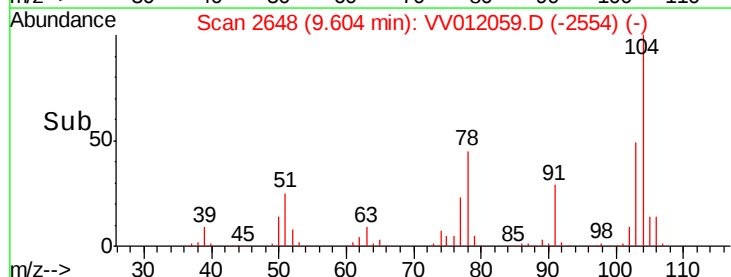
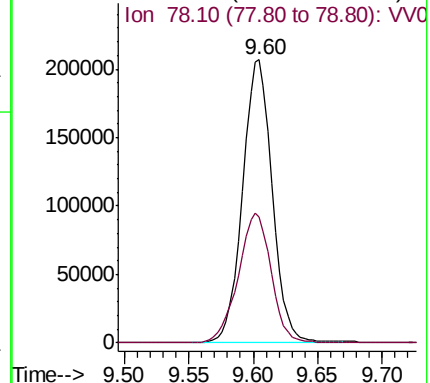
104 100

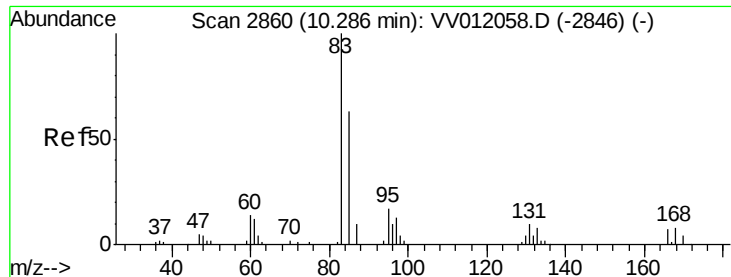
78 44.6 33.3 61.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0

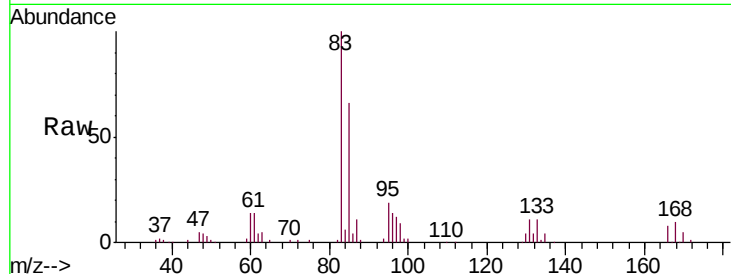




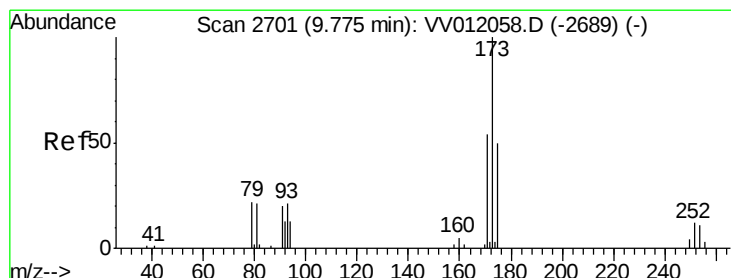
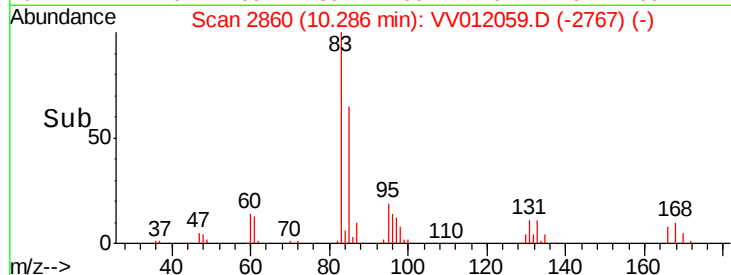
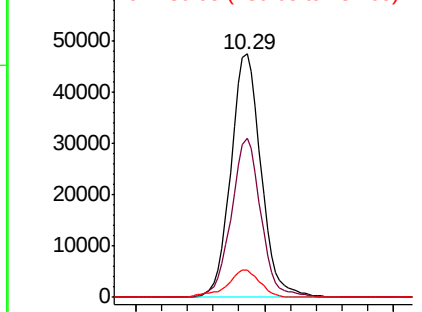
#57
 1,1,2,2-Tetrachloroethane
 Concen: 10.561 ug/L
 RT: 10.29 min Scan# 2860
 Delta R.T. 0.00 min
 Lab File: VV012059.D
 Acq: 29 Jul 2019 13:00

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010351

Tgt Ion: 83 Resp: 77305
 Ion Ratio Lower Upper
 83 100
 85 65.5 44.0 81.6
 131 11.0 8.3 12.5

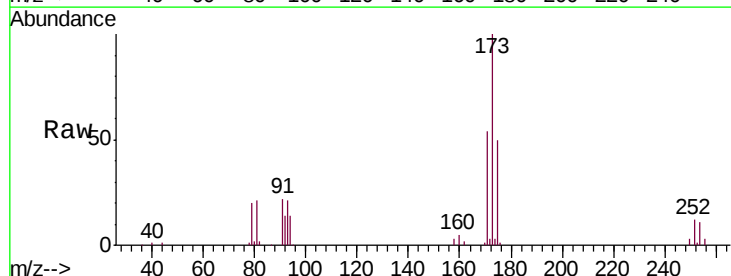


Abundance Ion 82.95 (82.65 to 83.65): VV012059.D (-2846) (-)
 Ion 85.00 (84.70 to 85.70): VV012059.D (-2846) (-)
 Ion 130.95 (130.65 to 131.65): VV012059.D (-2846) (-)

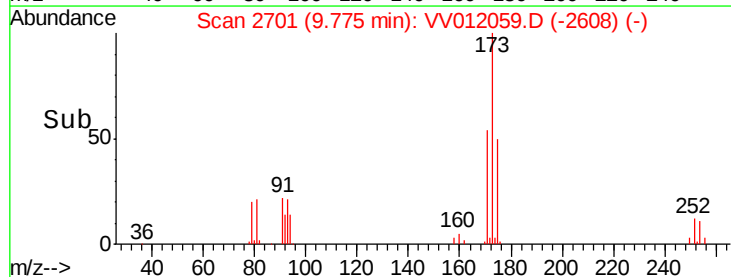
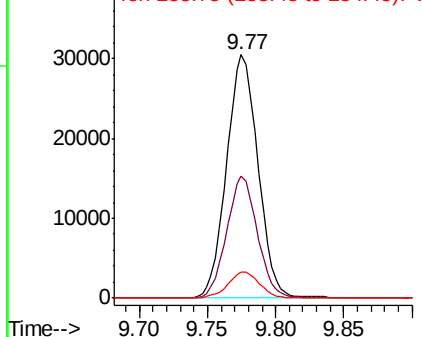


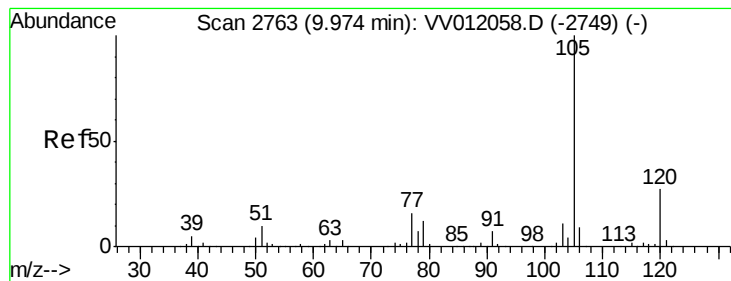
#59
 Bromoform
 Concen: 10.780 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV012059.D
 Acq: 29 Jul 2019 13:00

Tgt Ion: 173 Resp: 48984
 Ion Ratio Lower Upper
 173 100
 175 48.8 38.3 57.5
 254 10.7 8.6 13.0



Abundance Ion 172.90 (172.60 to 173.60): VV012059.D (-2689) (-)
 Ion 174.90 (174.60 to 175.60): VV012059.D (-2689) (-)
 Ion 253.75 (253.45 to 254.45): VV012059.D (-2689) (-)





#60

Isopropylbenzene

Concen: 10.817 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV012059.D

Acq: 29 Jul 2019 13:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD010351

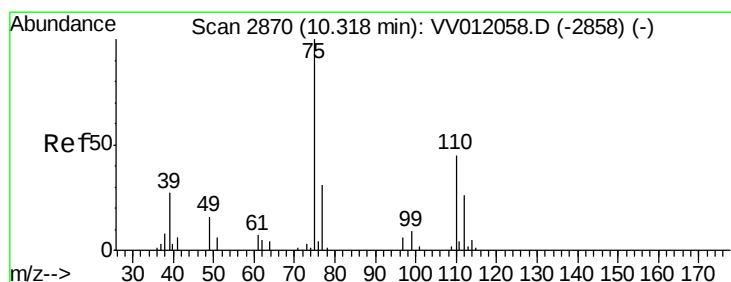
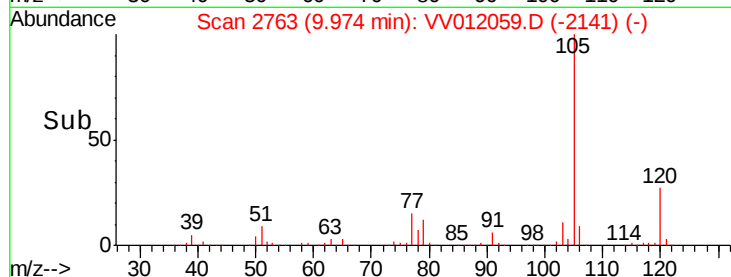
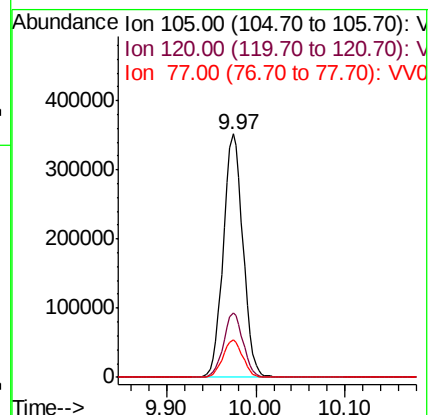
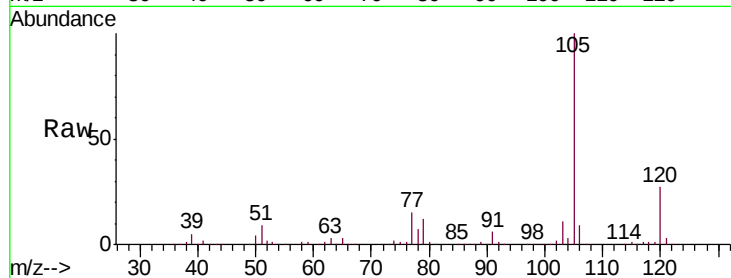
Tgt Ion: 105 Resp: 536682

Ion Ratio Lower Upper

105 100

120 26.2 21.5 32.3

77 15.6 12.3 18.5



#61

1,2,3-Trichloropropane

Concen: 10.470 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV012059.D

Acq: 29 Jul 2019 13:00

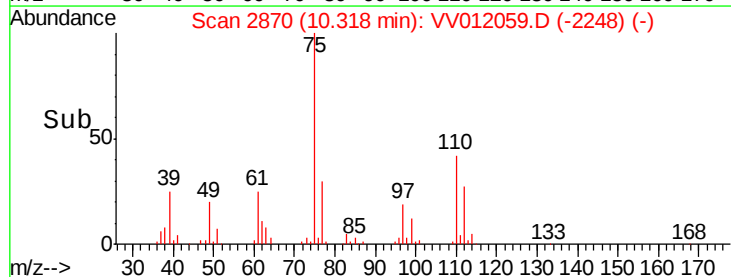
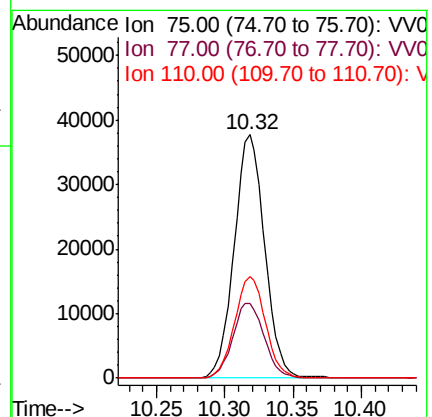
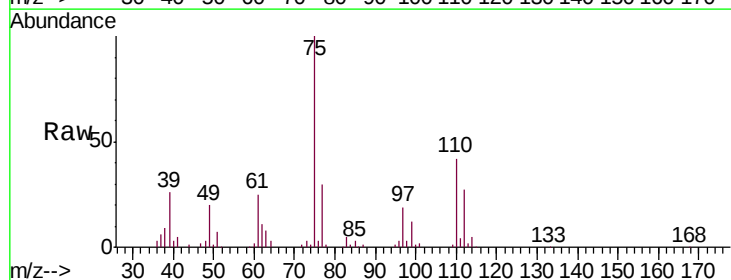
Tgt Ion: 75 Resp: 58509

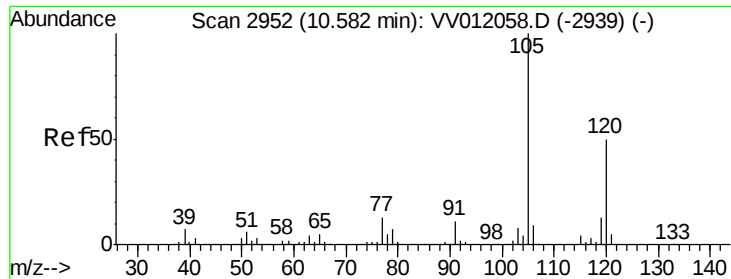
Ion Ratio Lower Upper

75 100

77 31.7 26.8 40.2

110 42.3 35.0 52.6





#62

1,3,5-Trimethylbenzene

Concen: 11.051 ug/L

RT: 10.58 min Scan# 2952

Delta R.T. 0.00 min

Lab File: VV012059.D

Acq: 29 Jul 2019 13:00

Instrument :

MSVOA_V

ClientSampleId :

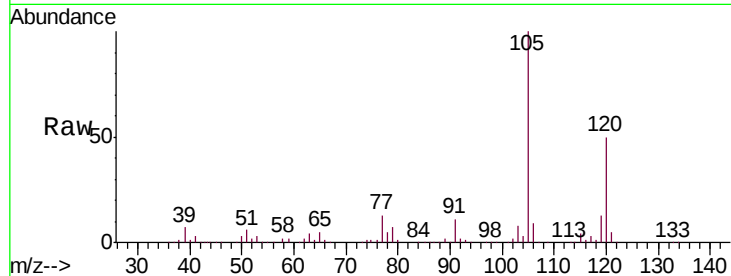
VSTD010351

Tgt Ion:105 Resp: 461448

Ion Ratio Lower Upper

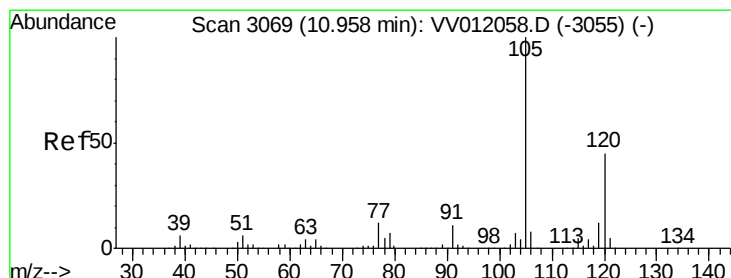
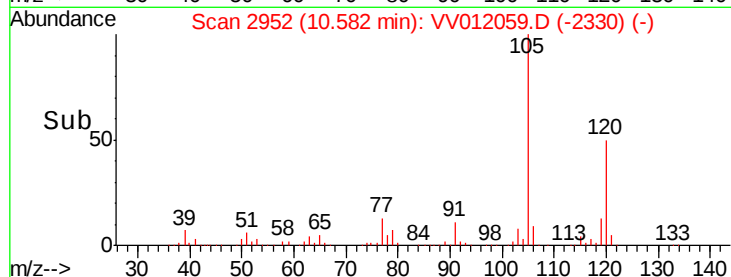
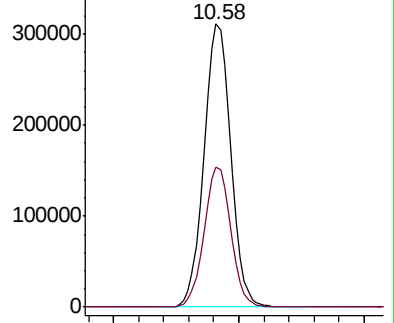
105 100

120 49.4 40.1 60.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 10.858 ug/L

RT: 10.96 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VV012059.D

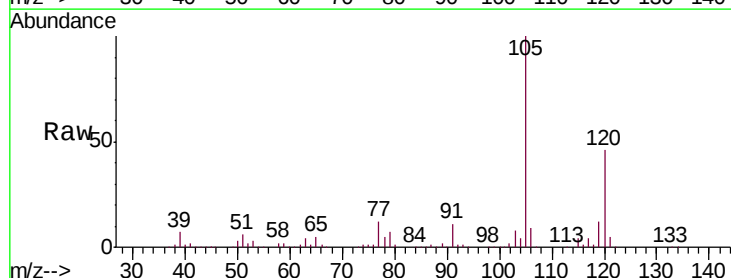
Acq: 29 Jul 2019 13:00

Tgt Ion:105 Resp: 460123

Ion Ratio Lower Upper

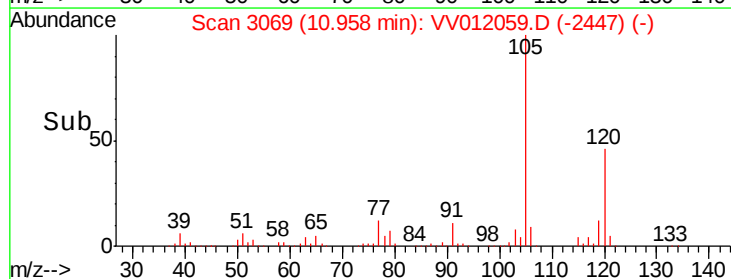
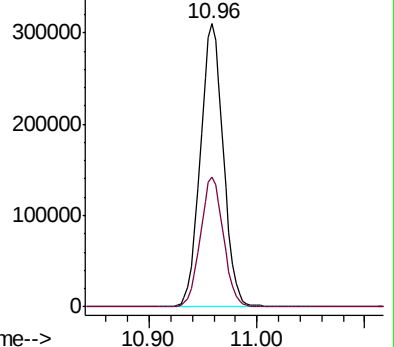
105 100

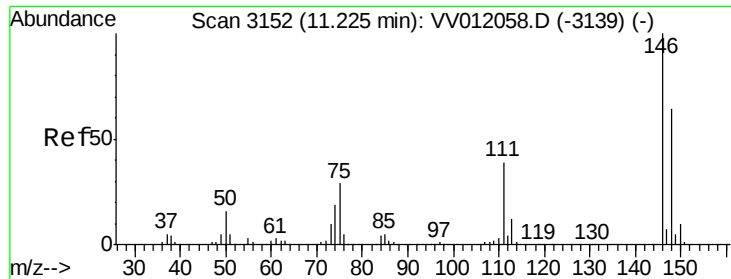
120 46.0 35.8 53.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

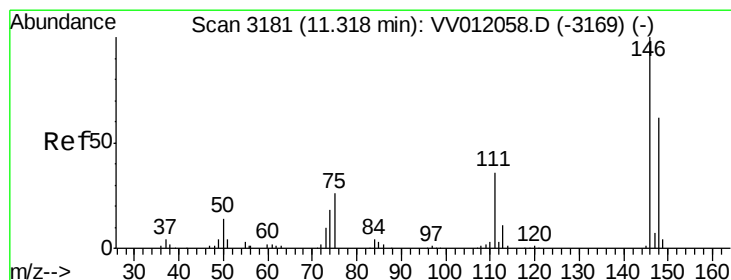
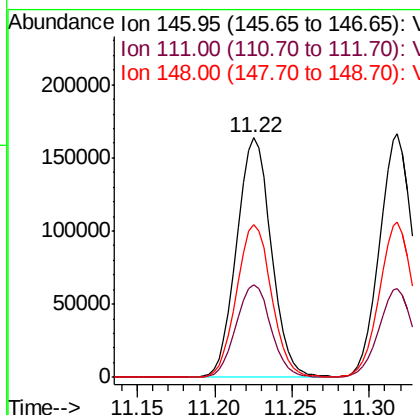
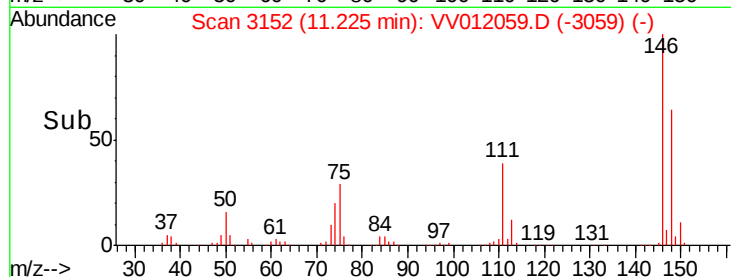
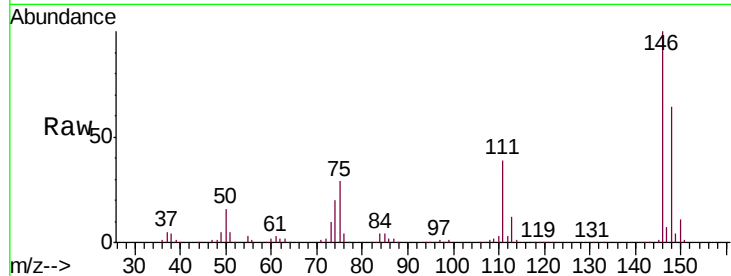




#64
 1,3-Dichlorobenzene
 Concen: 10.529 ug/L
 RT: 11.22 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: VV012059.D
 Acq: 29 Jul 2019 13:00

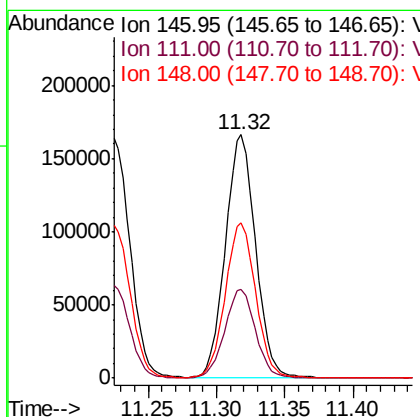
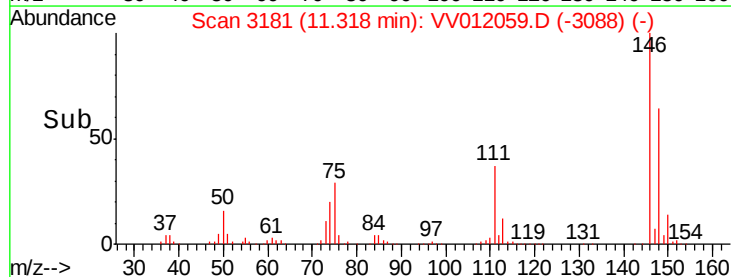
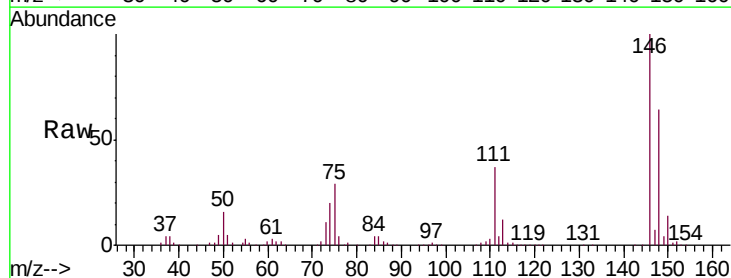
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010351

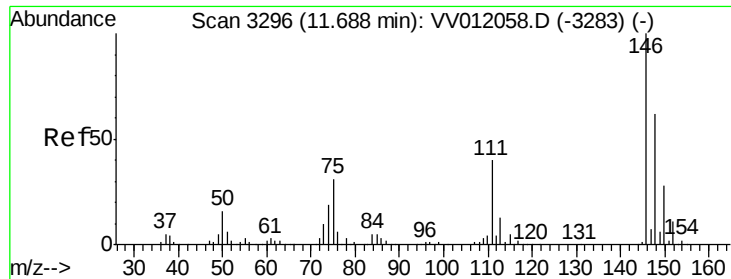
Tgt Ion:146 Resp: 255364
 Ion Ratio Lower Upper
 146 100
 111 38.7 27.2 50.6
 148 63.9 44.5 82.7



#65
 1,4-Dichlorobenzene
 Concen: 10.275 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV012059.D
 Acq: 29 Jul 2019 13:00

Tgt Ion:146 Resp: 255795
 Ion Ratio Lower Upper
 146 100
 111 36.7 25.8 48.0
 148 63.9 43.8 81.3





#67

1,2-Dichlorobenzene

Concen: 10.405 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV012059.D

Acq: 29 Jul 2019 13:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD010351

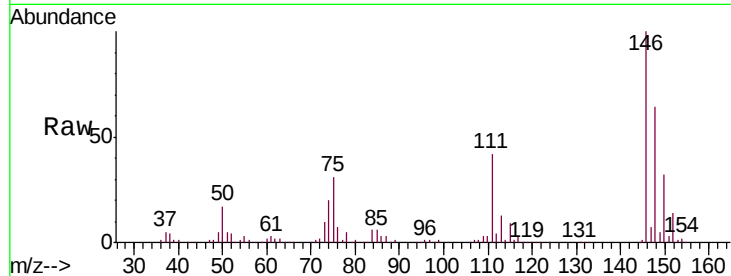
Tgt Ion: 146 Resp: 231003

Ion Ratio Lower Upper

146 100

111 41.5 32.4 48.6

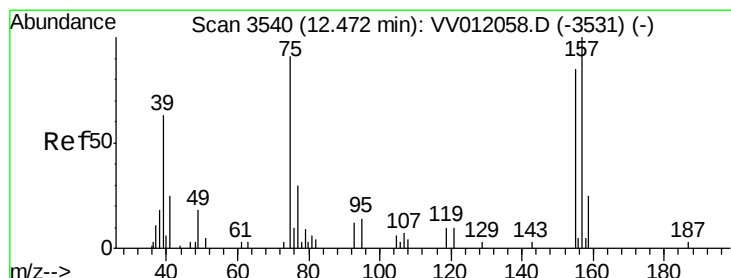
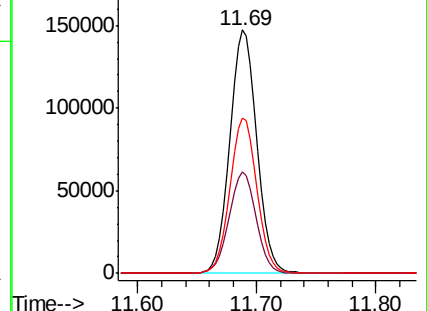
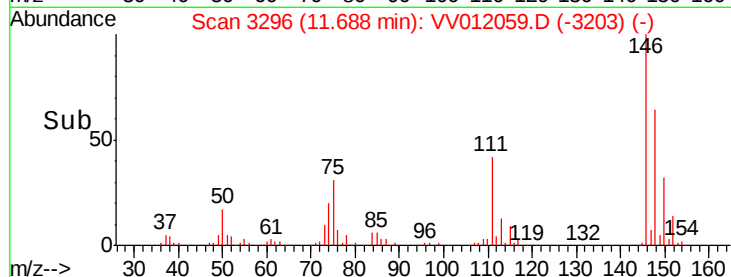
148 64.0 49.4 74.0



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



#68

1,2-Dibromo-3-chloropropane

Concen: 11.065 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV012059.D

Acq: 29 Jul 2019 13:00

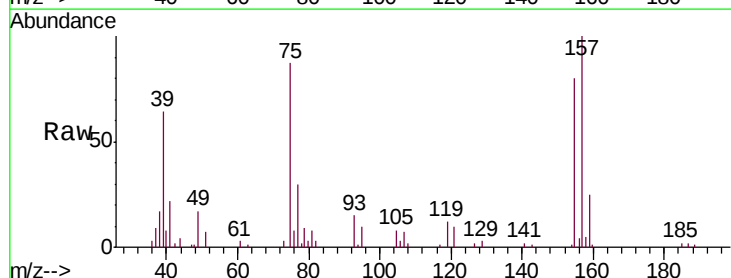
Tgt Ion: 75 Resp: 13072

Ion Ratio Lower Upper

75 100

155 92.2 75.0 112.6

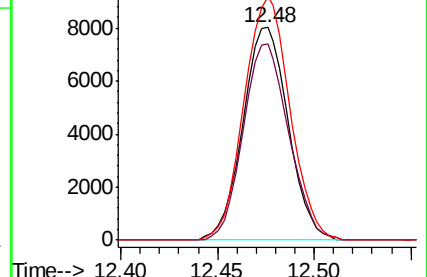
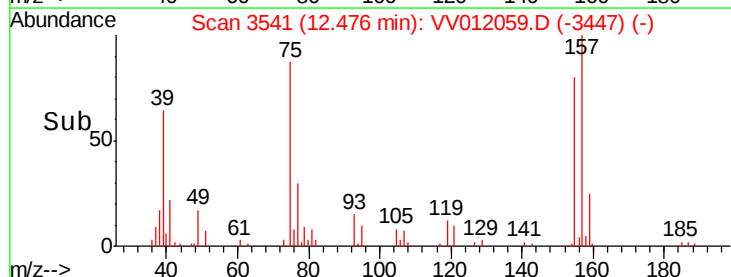
157 114.6 87.8 131.6

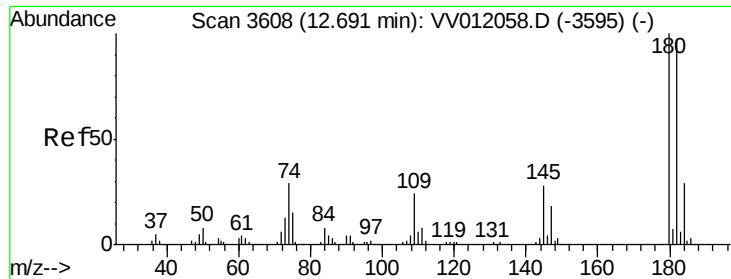


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

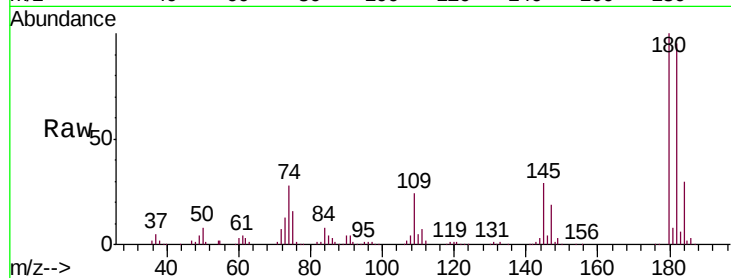




#69
 1,3,5-Trichlorobenzene
 Concen: 10.679 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV012059.D
 Acq: 29 Jul 2019 13:00

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010351

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	77.1	115.7
184	30.4	24.6	36.8
145	28.7	22.8	34.2



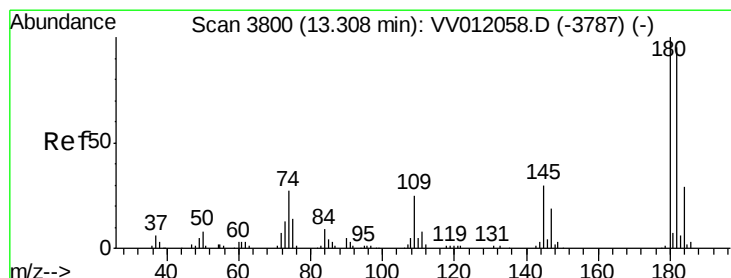
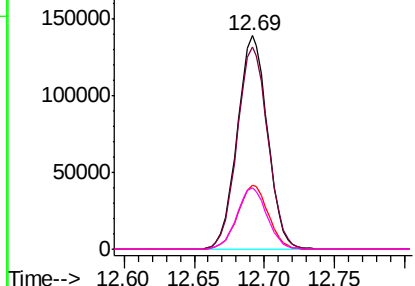
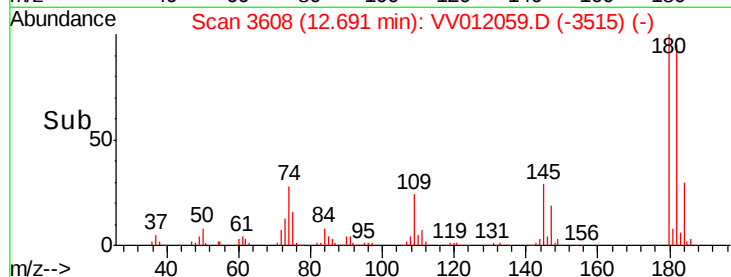
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

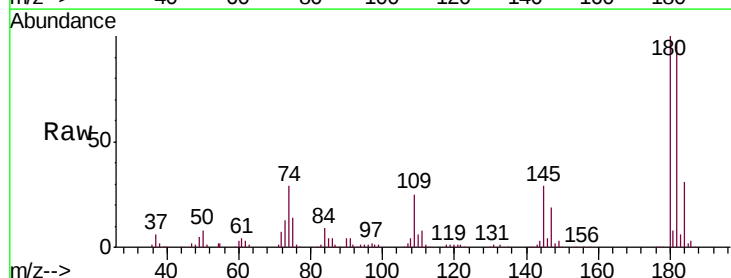
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 11.080 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV012059.D
 Acq: 29 Jul 2019 13:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.1	114.1
145	29.3	24.3	36.5

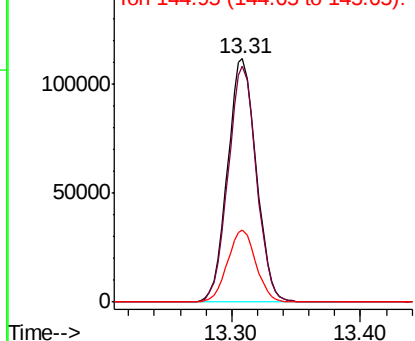
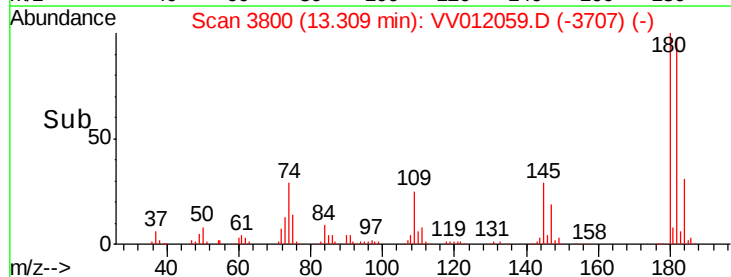


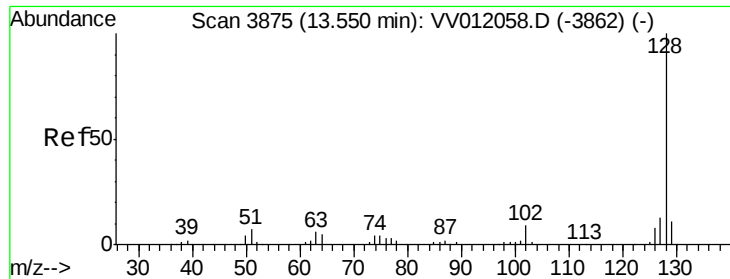
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V

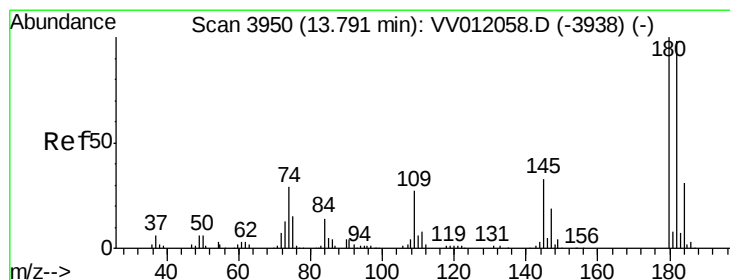
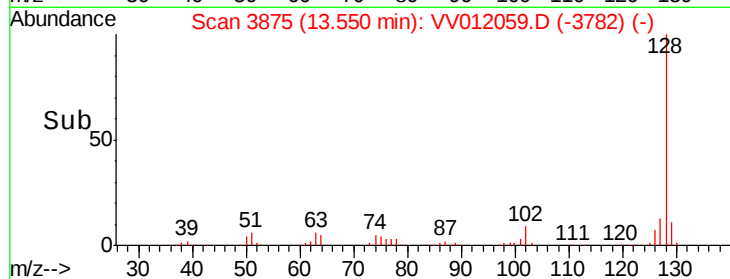
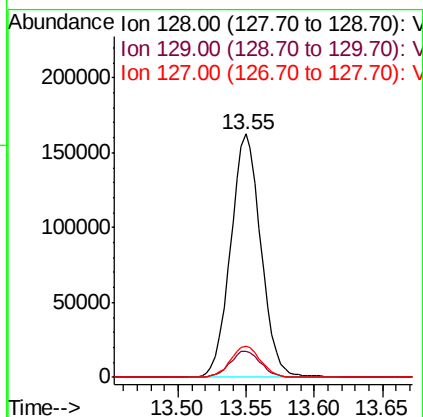
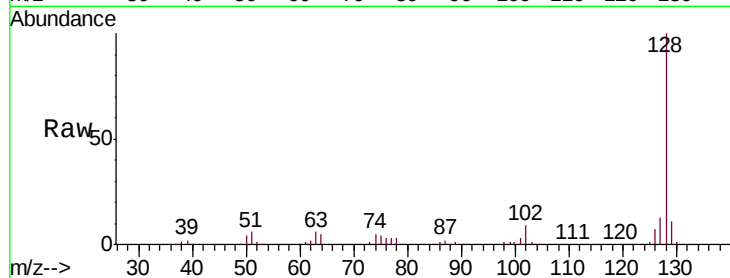




#71
Naphthalene
Concen: 11.912 ug/L
RT: 13.55 min Scan# 3875
Delta R.T. 0.00 min
Lab File: VV012059.D
Acq: 29 Jul 2019 13:00

Instrument :
MSVOA_V
ClientSampleId :
VSTD010351

Tgt Ion:128 Resp: 249871
Ion Ratio Lower Upper
128 100
129 11.1 9.1 13.7
127 12.8 10.4 15.6



#72
1,2,3-Trichlorobenzene
Concen: 11.201 ug/L
RT: 13.79 min Scan# 3950
Delta R.T. 0.00 min
Lab File: VV012059.D
Acq: 29 Jul 2019 13:00

Tgt Ion:180 Resp: 156416
Ion Ratio Lower Upper
180 100
182 95.0 78.5 117.7
145 32.2 25.8 38.8

