

Data File : VV012056.D
Acq On : 29 Jul 2019 11:09
Operator : SY/MD
Sample : VSTD0.532
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5321

Quant Time: Jul 30 08:16:58 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	5.66	114	175280	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	166614	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	84306	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	4775	0.47	ug/L	0.00
7) Chloroethane-d5	1.59	69	3283	0.44	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	8909	0.49	ug/L	0.00
20) 2-Butanone-d5	3.97	46	10225	4.23	ug/L	0.00
24) Chloroform-d	4.40	84	10477	0.47	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	5172	0.42	ug/L	0.00
32) Benzene-d6	5.10	84	19383	0.44	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	5226	0.42	ug/L	0.00
41) Toluene-d8	7.36	98	17301	0.39	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	2116	0.38	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	7800	3.98	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.26	84	4134	0.44	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.67	152	7095	0.45	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	9418	0.464 ug/L	98
3) Chloromethane	1.25	50	5644	0.504 ug/L	96
5) Vinyl chloride	1.32	62	5837	0.505 ug/L	95
6) Bromomethane	1.54	94	3367	0.479 ug/L	98
8) Chloroethane	1.60	64	3304	0.535 ug/L	89
9) Trichlorofluoromethane	1.77	101	9654	0.494 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	4447	0.536 ug/L	96
12) 1,1-Dichloroethene	2.14	96	4173	0.546 ug/L	99
13) Acetone	2.23	43	7211	6.173 ug/L	93
14) Carbon disulfide	2.32	76	11605	0.538 ug/L #	93
15) Methyl Acetate	2.47	43	1558	0.682 ug/L #	88
16) Methylene chloride	2.54	84	4920	0.637 ug/L	88
17) Methyl tert-butyl Ether	2.81	73	11972	0.485 ug/L	96
18) trans-1,2-Dichloroethene	2.79	96	5872	0.525 ug/L	91
19) 1,1-Dichloroethane	3.23	63	10383	0.506 ug/L	89
21) 2-Butanone	4.05	43	9795	4.066 ug/L	80
22) cis-1,2-Dichloroethene	3.96	96	6044	0.507 ug/L	99
23) Bromochloromethane	4.31	128	2715	0.512 ug/L	75
25) Chloroform	4.43	83	13705	0.536 ug/L	96
27) 1,2-Dichloroethane	5.18	62	6916	0.500 ug/L #	94
29) 1,1,1-Trichloroethane	4.66	97	9667	0.471 ug/L	93
30) Cyclohexane	4.72	56	8307	0.470 ug/L	99
31) Carbon tetrachloride	4.87	117	8684	0.463 ug/L	100
33) Benzene	5.14	78	22153	0.484 ug/L	100
34) Trichloroethene	5.96	95	6619	0.521 ug/L	96
35) Methylcyclohexane	6.17	83	9914	0.494 ug/L	99
37) 1,2-Dichloropropane	6.22	63	4698	0.445 ug/L #	94
38) Bromodichloromethane	6.55	83	7066	0.473 ug/L	90
39) cis-1,3-Dichloropropene	7.07	75	6942	0.413 ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	26569	4.414 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	23353	0.451	ug/L	98
44) trans-1,3-Dichloropropene	7.70	75	5766	0.426	ug/L	95
45) 1,1,2-Trichloroethane	7.88	97	4008	0.503	ug/L	95
47) Tetrachloroethene	8.02	164	5072	0.432	ug/L	79
48) 2-Hexanone	8.19	43	18972	4.394	ug/L	95
49) Dibromochloromethane	8.29	129	4111	0.410	ug/L	87
50) 1,2-Dibromoethane	8.40	107	3408	0.453	ug/L #	89
51) Chlorobenzene	8.92	112	16558	0.495	ug/L	97
52) Ethylbenzene	9.05	91	25730	0.443	ug/L	94
53) m,p-xylene	9.18	106	9496	0.414	ug/L	95
54) o-xylene	9.59	106	8946	0.423	ug/L	91
55) Styrene	9.60	104	14504	0.400	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.29	83	4082	0.473	ug/L #	98
59) Bromoform	9.77	173	2526	0.520	ug/L	94
60) Isopropylbenzene	9.97	105	26189	0.493	ug/L	99
61) 1,2,3-Trichloropropane	10.32	75	3157	0.528	ug/L	97
62) 1,3,5-Trimethylbenzene	10.58	105	19167	0.429	ug/L	99
63) 1,2,4-Trimethylbenzene	10.96	105	19037	0.420	ug/L	100
64) 1,3-Dichlorobenzene	11.22	146	14021	0.541	ug/L	96
65) 1,4-Dichlorobenzene	11.32	146	14641	0.550	ug/L	92
67) 1,2-Dichlorobenzene	11.69	146	12627	0.532	ug/L	100
68) 1,2-Dibromo-3-chloropropan	12.47	75	557	0.441	ug/L	84
69) 1,3,5-Trichlorobenzene	12.69	180	11756	0.559	ug/L	92
70) 1,2,4-trichlorobenzene	13.31	180	8805	0.530	ug/L	97
71) Naphthalene	13.55	128	11612	0.518	ug/L	99
72) 1,2,3-Trichlorobenzene	13.79	180	7657	0.513	ug/L	98

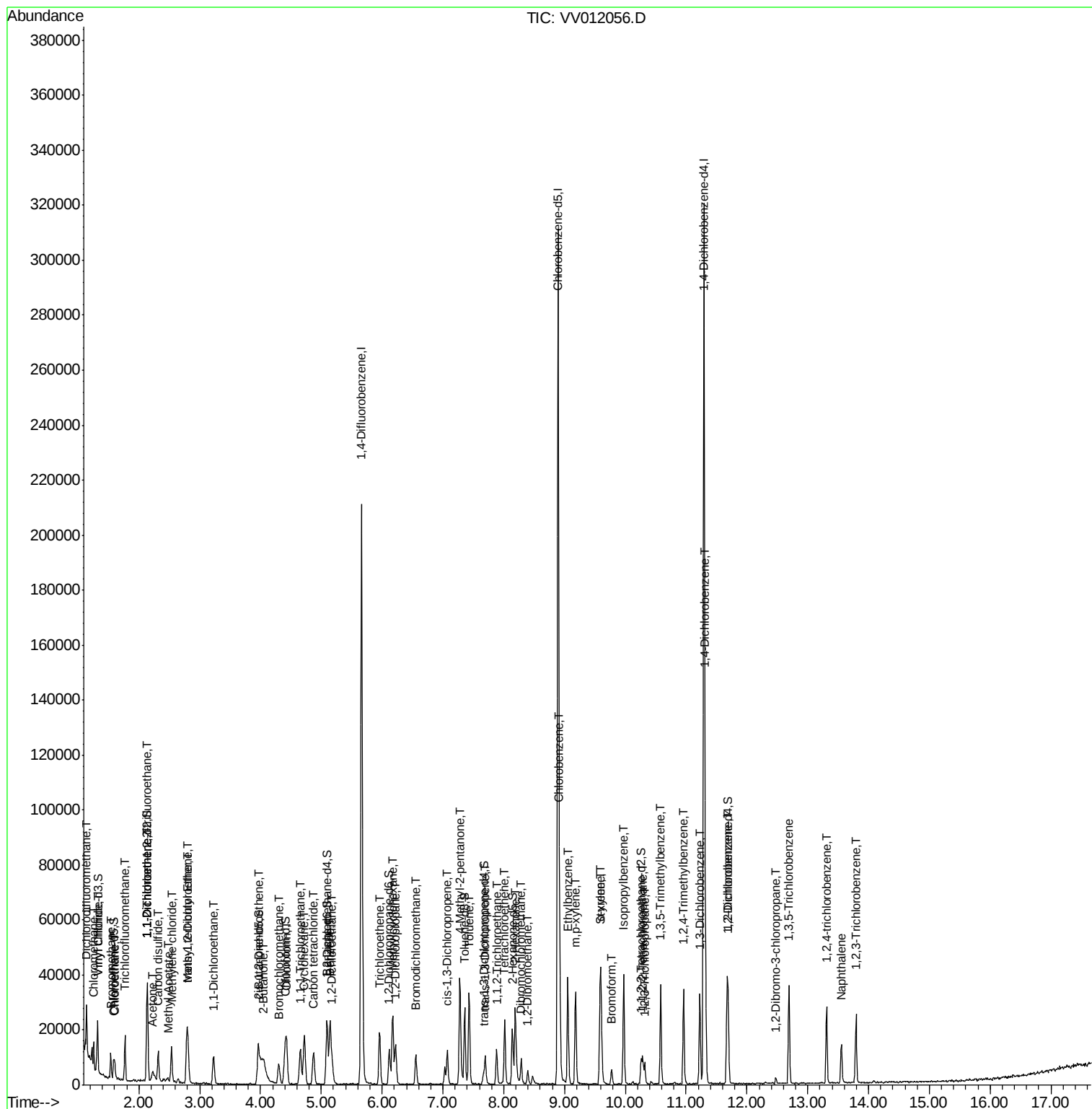
(#) = qualifier out of range (m) = manual integration (+) = signals summed

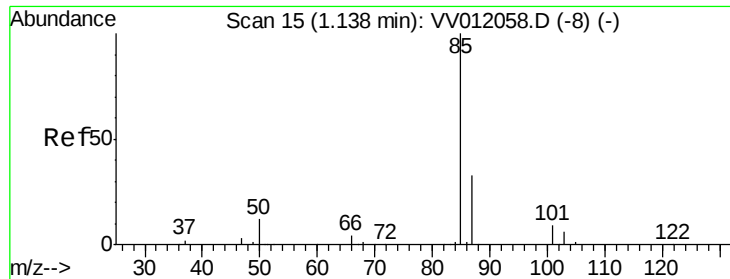
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#2

Dichlorodifluoromethane

Concen: 0.464 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012056.D

Acq: 29 Jul 2019 11:09

Instrument :

MSVOA_V

ClientSampled :

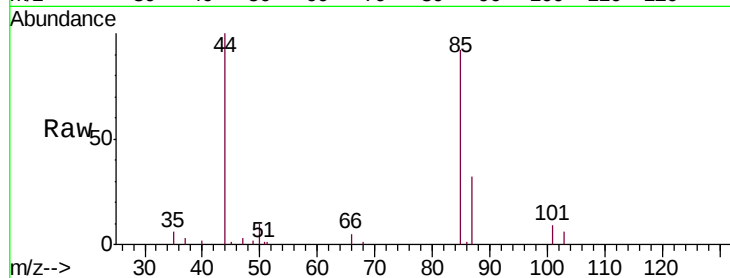
VSTD0.5321

Tgt Ion: 85 Resp: 9418

Ion Ratio Lower Upper

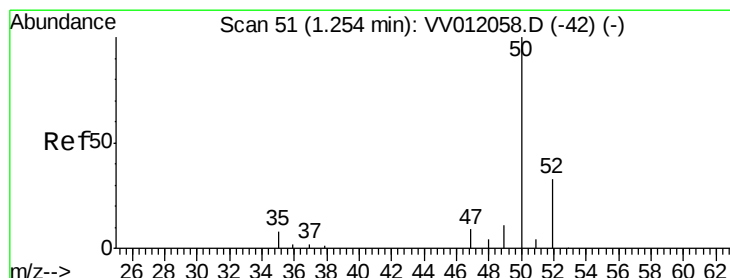
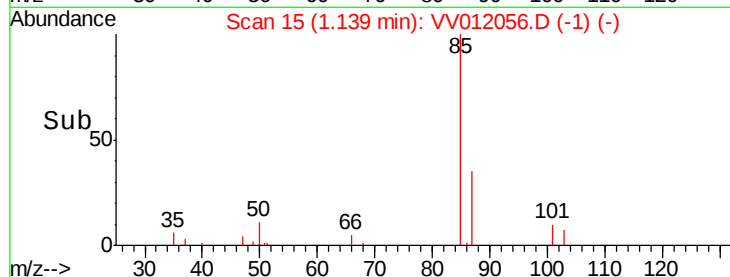
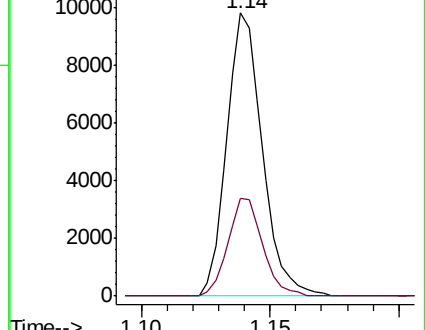
85 100

87 33.8 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) (-)



#3

Chloromethane

Concen: 0.504 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV012056.D

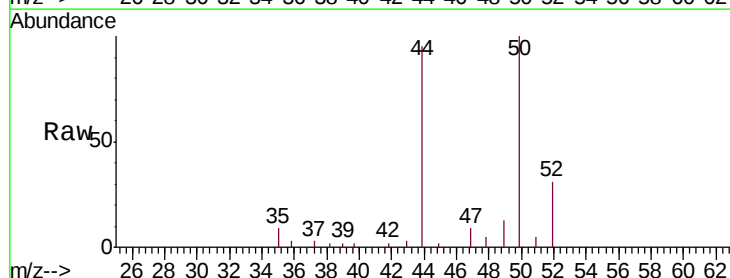
Acq: 29 Jul 2019 11:09

Tgt Ion: 50 Resp: 5644

Ion Ratio Lower Upper

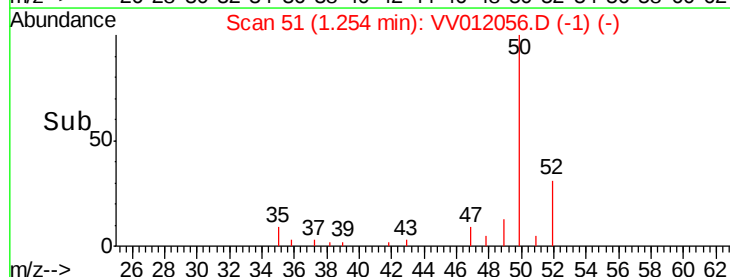
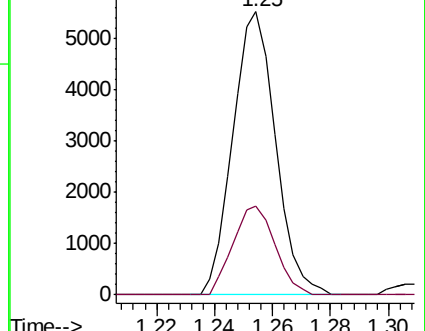
50 100

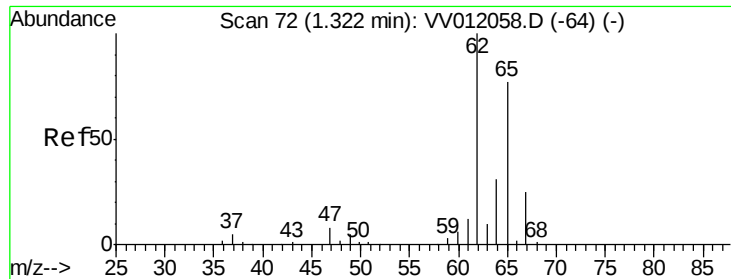
52 31.3 23.4 43.4



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

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





#5

Vinyl chloride

Concen: 0.505 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012056.D

Acq: 29 Jul 2019 11:09

Instrument :

MSVOA_V

ClientSampleId :

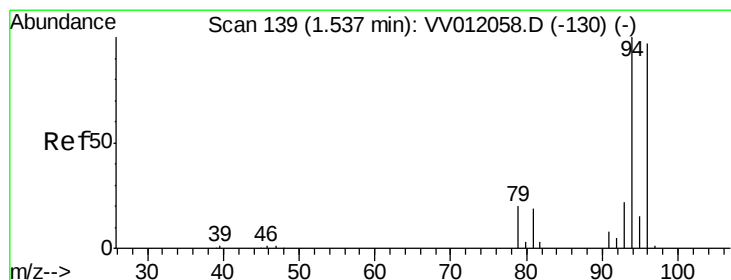
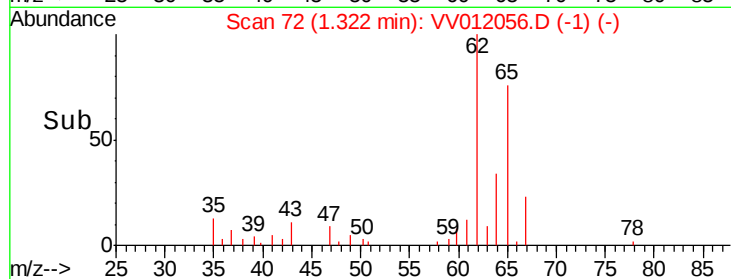
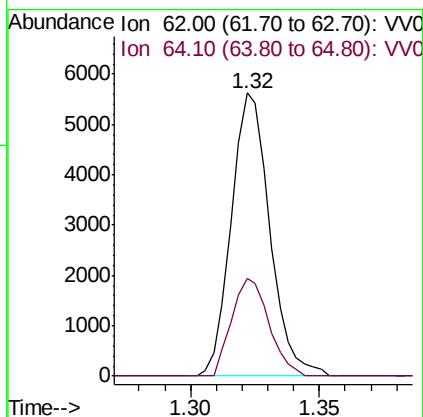
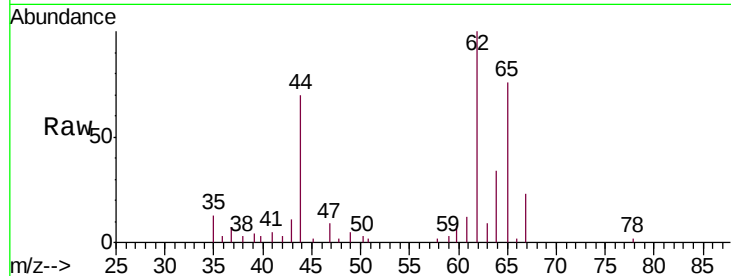
VSTD0.5321

Tgt Ion: 62 Resp: 5837

Ion Ratio Lower Upper

62 100

64 34.5 22.0 41.0



#6

Bromomethane

Concen: 0.479 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV012056.D

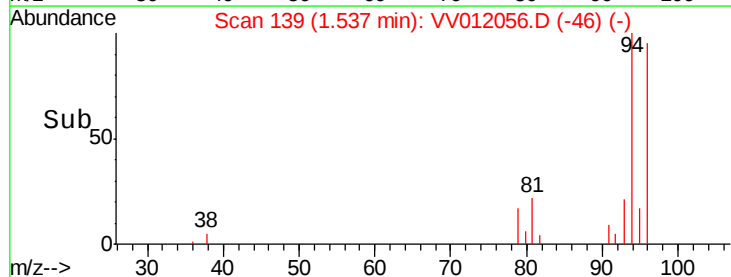
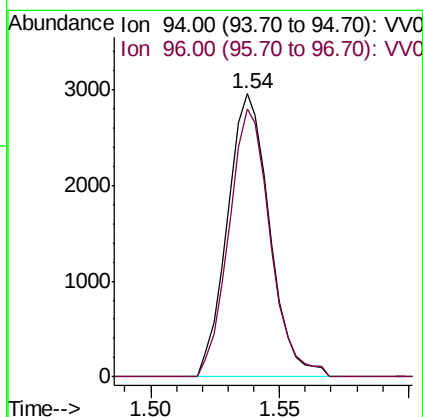
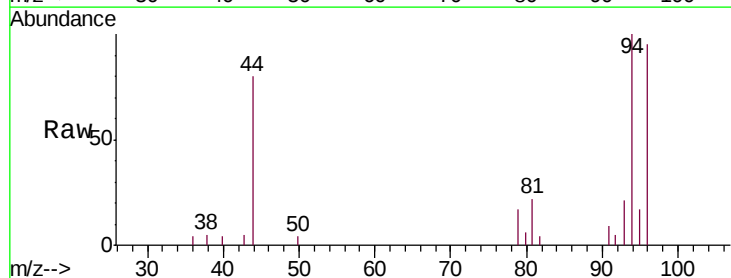
Acq: 29 Jul 2019 11:09

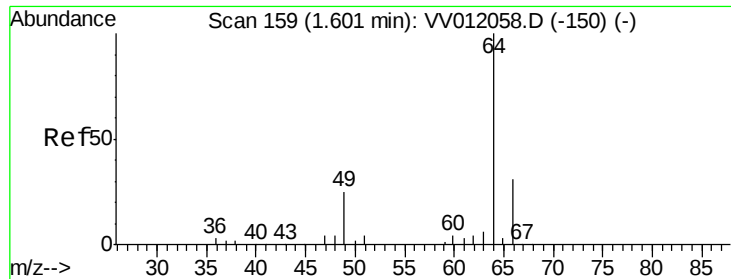
Tgt Ion: 94 Resp: 3367

Ion Ratio Lower Upper

94 100

96 94.7 67.8 125.8

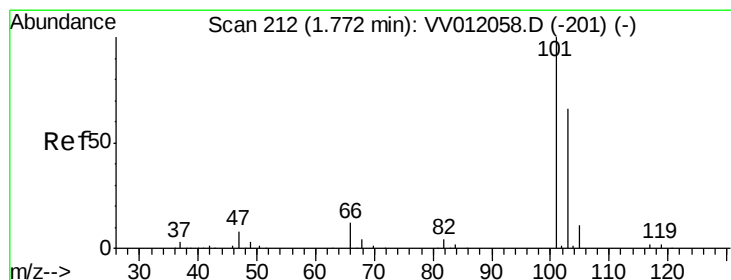
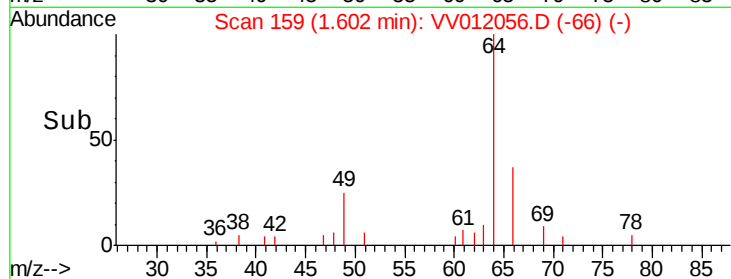
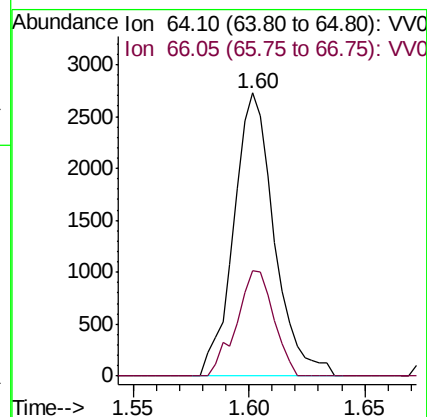
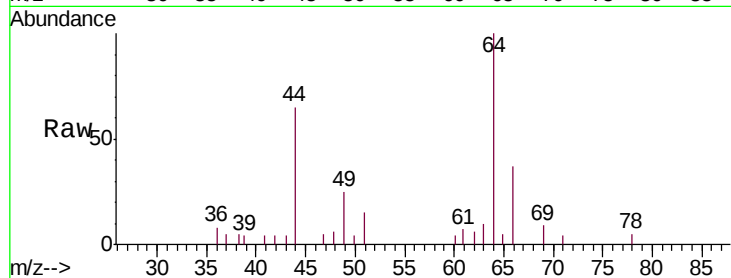




#8
Chloroethane
Concen: 0.535 ug/L
RT: 1.60 min Scan# 159
Delta R.T. 0.00 min
Lab File: VV012056.D
Acq: 29 Jul 2019 11:09

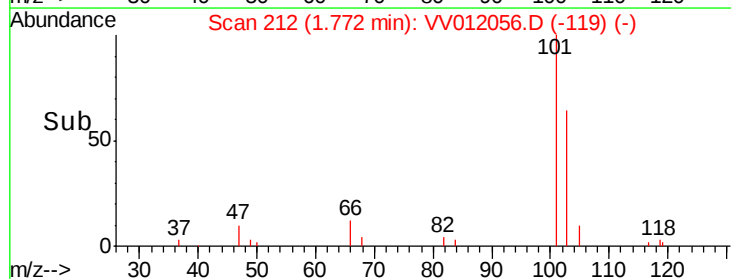
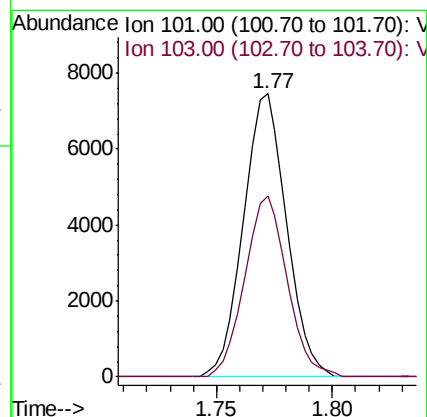
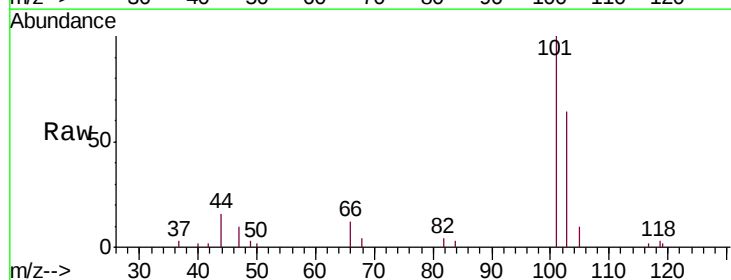
Instrument :
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VSTD0.5321

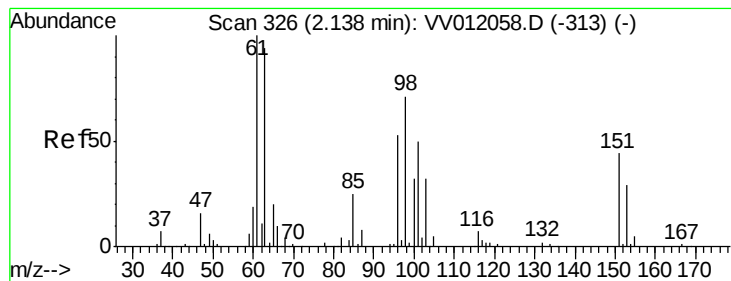
Tgt Ion: 64 Resp: 3304
Ion Ratio Lower Upper
64 100
66 37.2 21.7 40.3



#9
Trichlorofluoromethane
Concen: 0.494 ug/L
RT: 1.77 min Scan# 212
Delta R.T. 0.00 min
Lab File: VV012056.D
Acq: 29 Jul 2019 11:09

Tgt Ion: 101 Resp: 9654
Ion Ratio Lower Upper
101 100
103 62.8 52.6 79.0





#10

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

Concen: 0.536 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV012056.D

Acq: 29 Jul 2019 11:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.5321

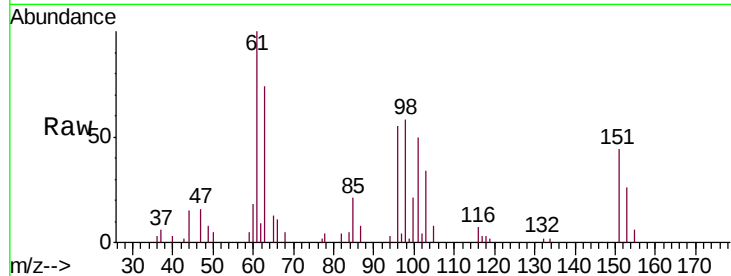
Tgt Ion:101 Resp: 4447

Ion Ratio Lower Upper

101 100

85 45.9 37.8 56.8

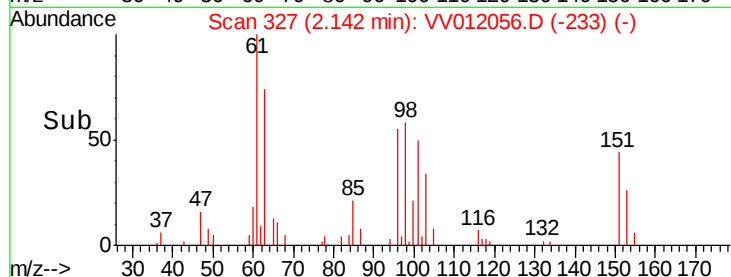
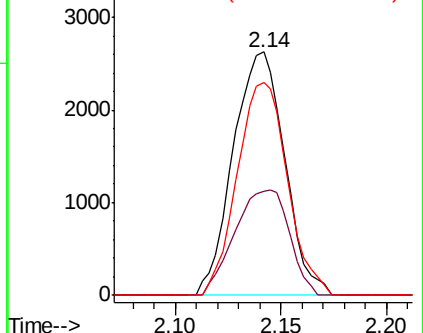
151 85.2 71.4 107.2



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: 0.546 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV012056.D

Acq: 29 Jul 2019 11:09

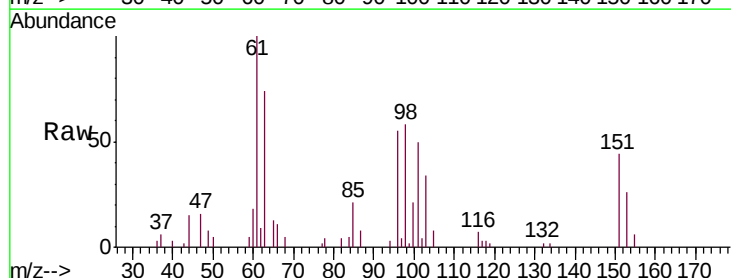
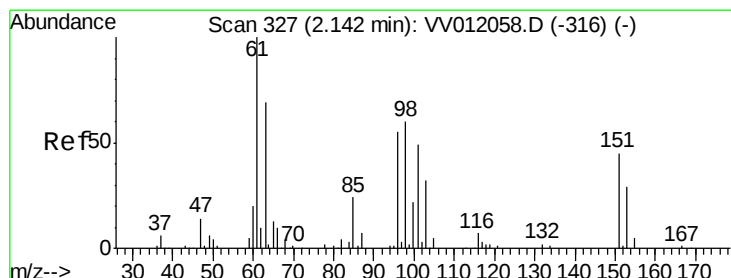
Tgt Ion: 96 Resp: 4173

Ion Ratio Lower Upper

96 100

61 181.2 127.8 237.4

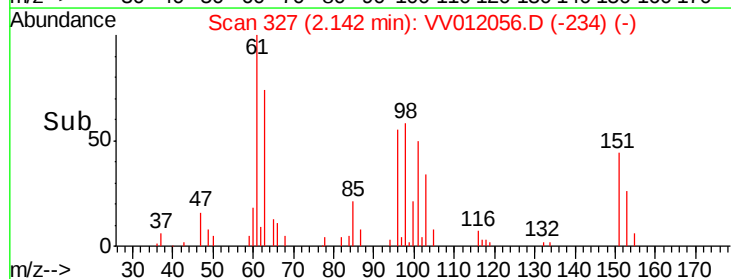
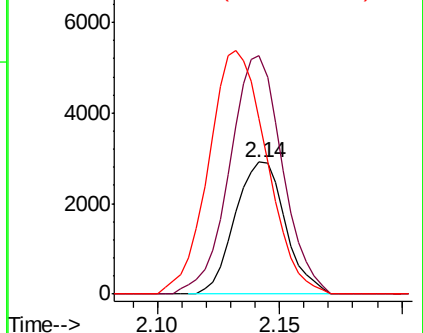
63 133.7 92.7 172.3

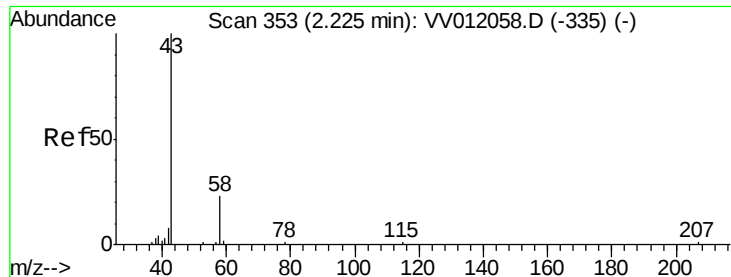


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 6.173 ug/L

RT: 2.23 min Scan# 355

Delta R.T. 0.01 min

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ClientSampleId :

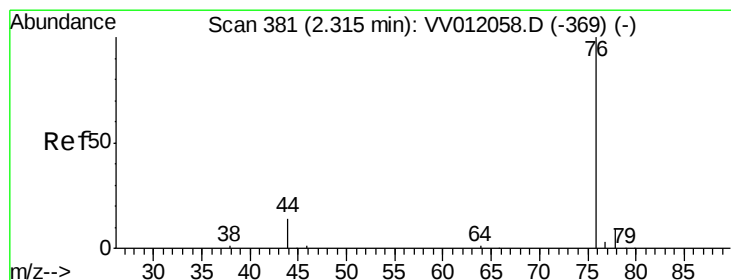
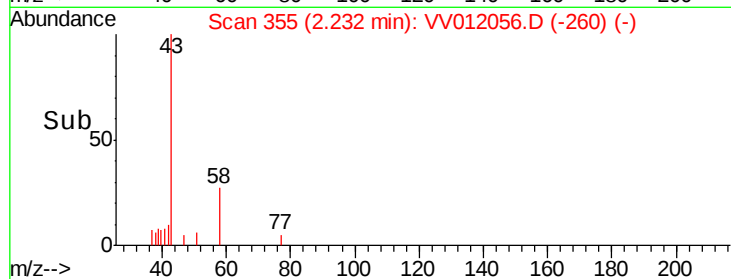
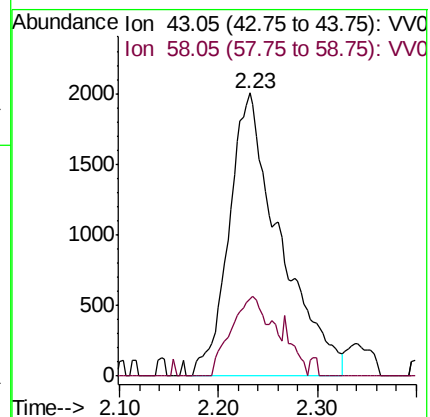
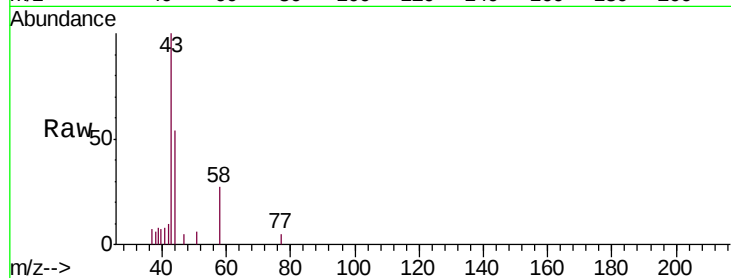
VSTD0.5321

Tgt Ion: 43 Resp: 7211

Ion Ratio Lower Upper

43 100

58 22.1 0.0 51.6



#14

Carbon disulfide

Concen: 0.538 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV012056.D

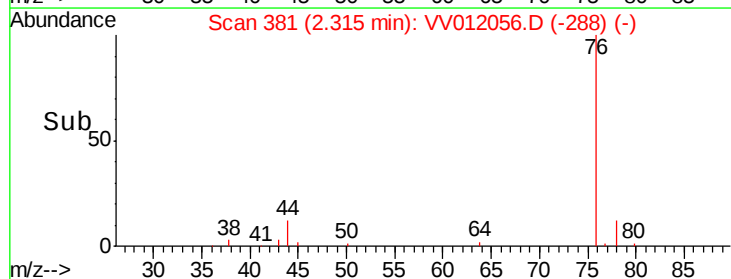
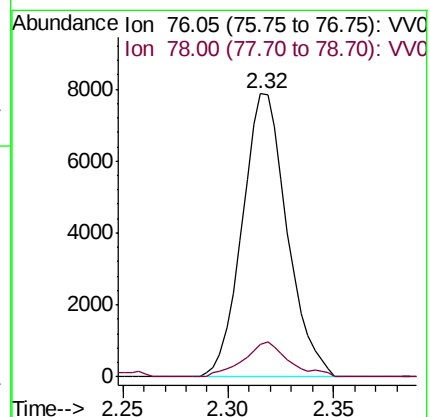
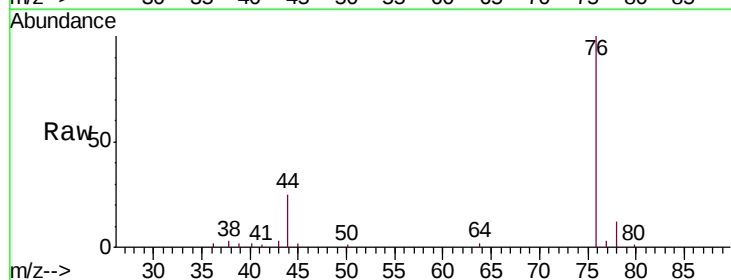
Acq: 29 Jul 2019 11:09

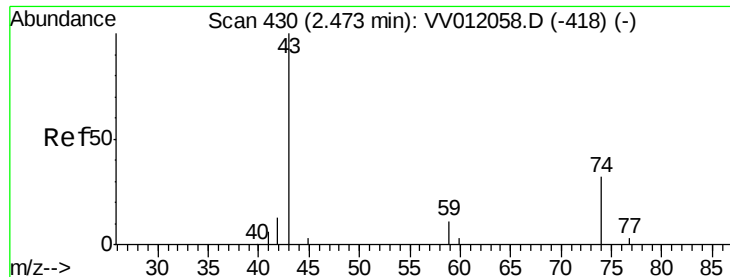
Tgt Ion: 76 Resp: 11605

Ion Ratio Lower Upper

76 100

78 11.6 7.2 10.8#





#15

Methyl Acetate

Concen: 0.682 ug/L

RT: 2.47 min Scan# 429

Delta R.T. -0.00 min

Lab File: VV012056.D

Acq: 29 Jul 2019 11:09

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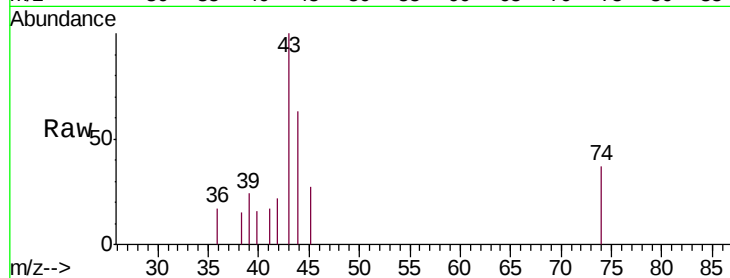
VSTD0.5321

Tgt Ion: 43 Resp: 1558

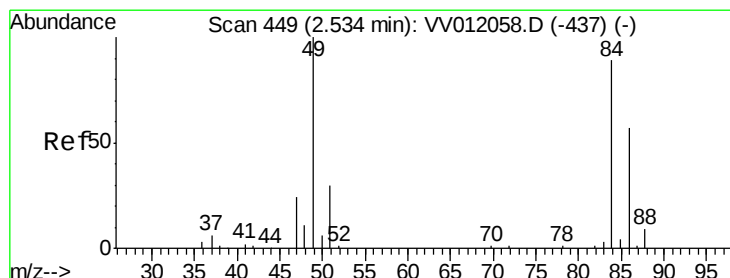
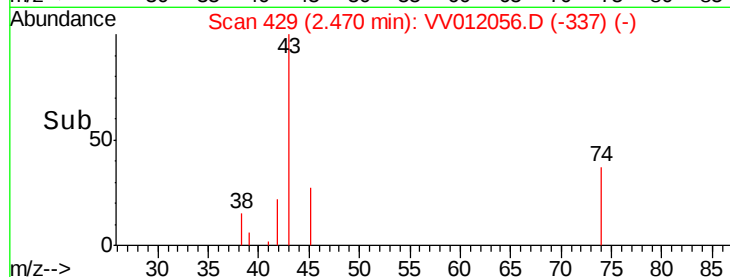
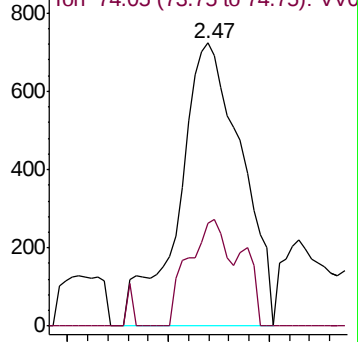
Ion Ratio Lower Upper

43 100

74 24.2 24.4 36.6#



Abundance Ion 43.05 (42.75 to 43.75): VV012056.D (-337) (-)



#16

Methylene chloride

Concen: 0.637 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV012056.D

Acq: 29 Jul 2019 11:09

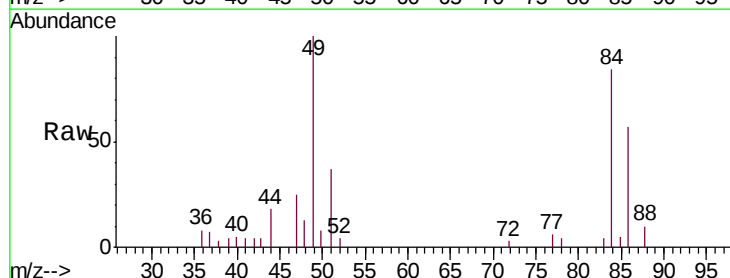
Tgt Ion: 84 Resp: 4920

Ion Ratio Lower Upper

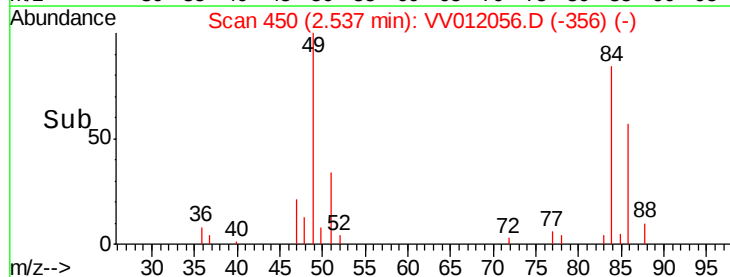
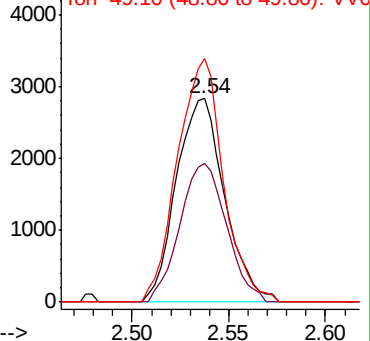
84 100

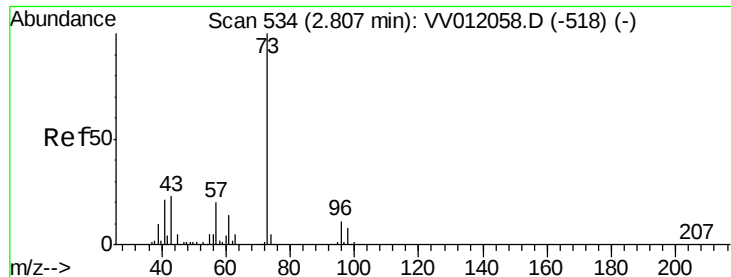
86 68.0 44.9 83.3

49 129.5 78.6 146.0



Abundance Ion 84.05 (83.75 to 84.75): VV012056.D (-356) (-)





#17

Methyl tert-butyl Ether

Concen: 0.485 ug/L

RT: 2.81 min Scan# 534

Delta R.T. 0.00 min

Lab File: VV012056.D

Acq: 29 Jul 2019 11:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.5321

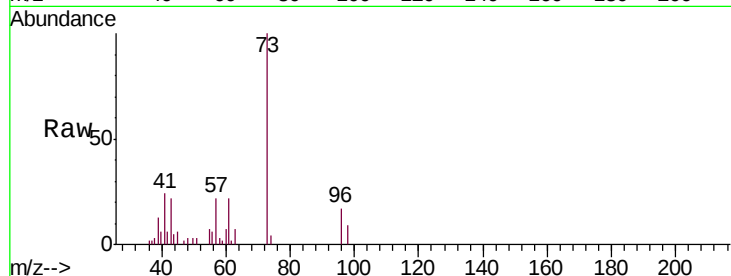
Tgt Ion: 73 Resp: 11972

Ion Ratio Lower Upper

73 100

43 24.7 17.6 26.4

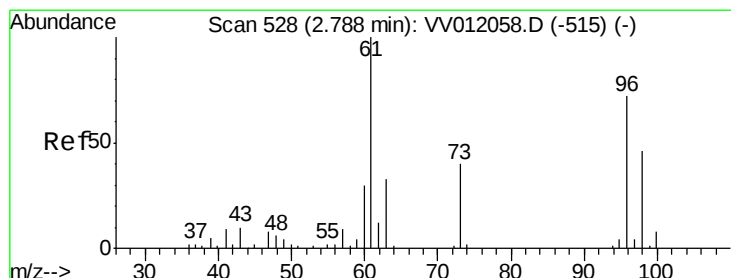
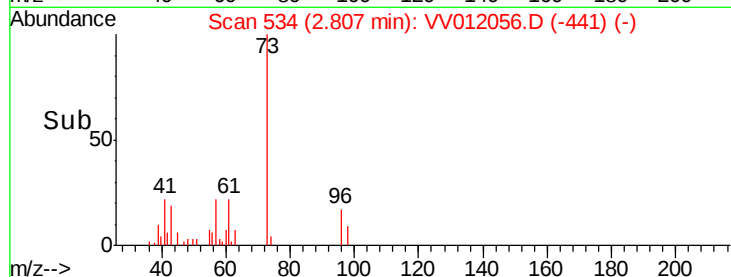
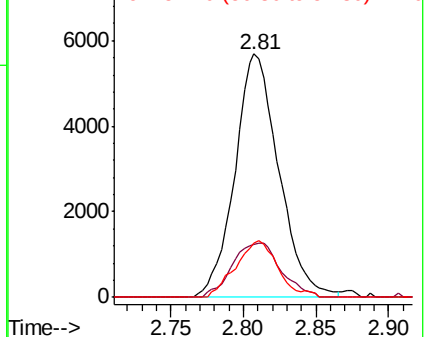
57 22.5 17.0 25.6



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: 0.525 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV012056.D

Acq: 29 Jul 2019 11:09

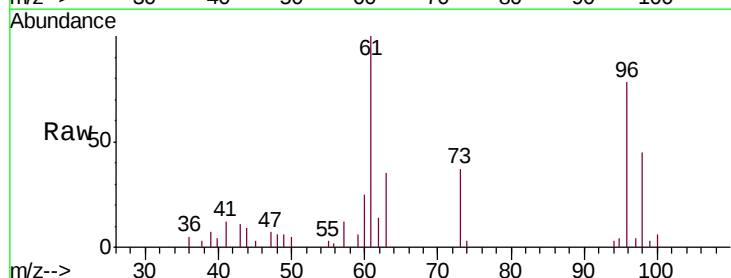
Tgt Ion: 96 Resp: 5872

Ion Ratio Lower Upper

96 100

61 128.4 97.2 180.6

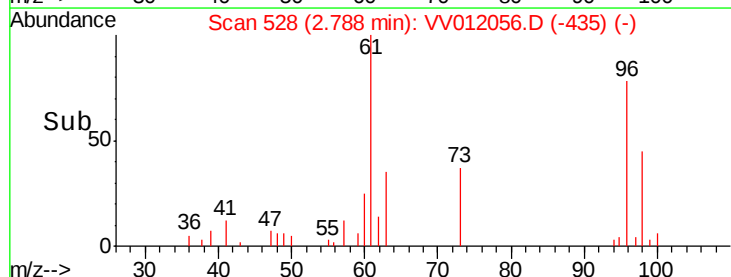
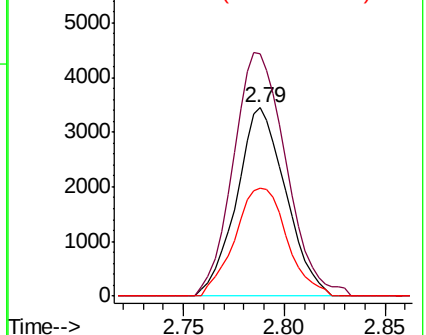
98 57.3 45.0 83.6

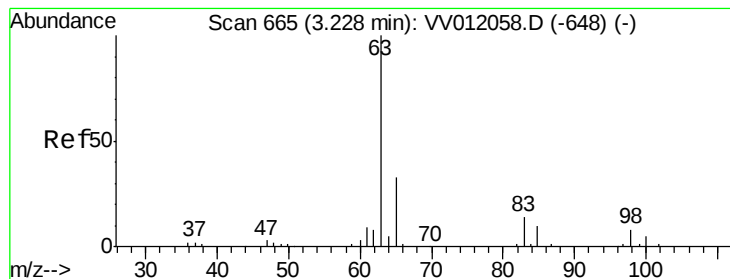


Abundance Ion 96.00 (95.70 to 96.70): VV012058.D (-515) (-)

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: 0.506 ug/L

RT: 3.23 min Scan# 664

Delta R.T. -0.00 min

Lab File: VV012056.D

Acq: 29 Jul 2019 11:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.5321

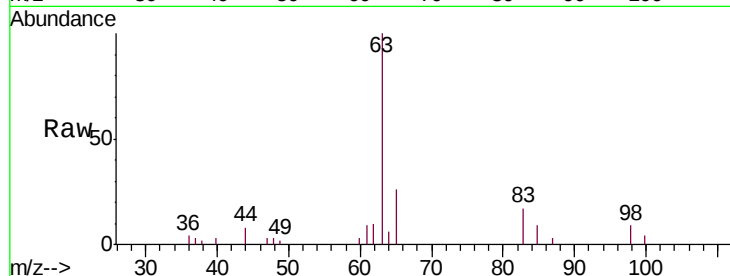
Tgt Ion: 63 Resp: 10383

Ion Ratio Lower Upper

63 100

65 25.8 23.0 42.6

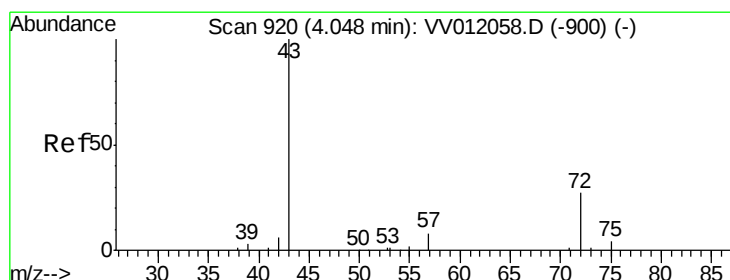
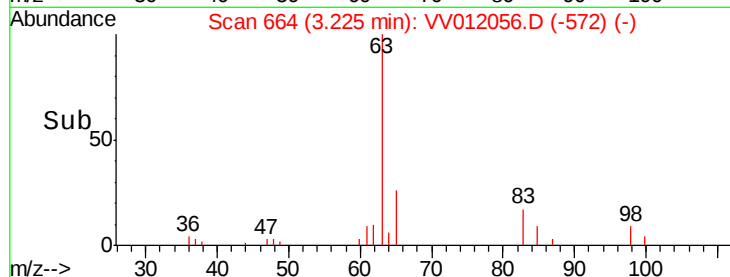
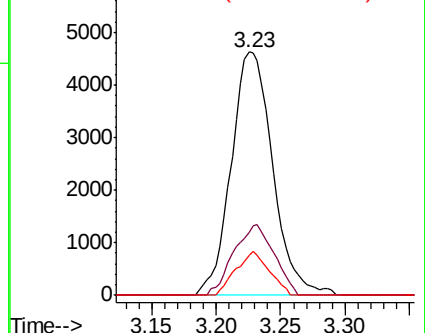
83 16.6 9.7 17.9



Abundance Ion 63.10 (62.80 to 63.80): VV012058.D (-648) (-)

Ion 65.10 (64.80 to 65.80): VV012058.D (-648) (-)

Ion 83.05 (82.75 to 83.75): VV012058.D (-648) (-)



#21

2-Butanone

Concen: 4.066 ug/L

RT: 4.05 min Scan# 922

Delta R.T. 0.01 min

Lab File: VV012056.D

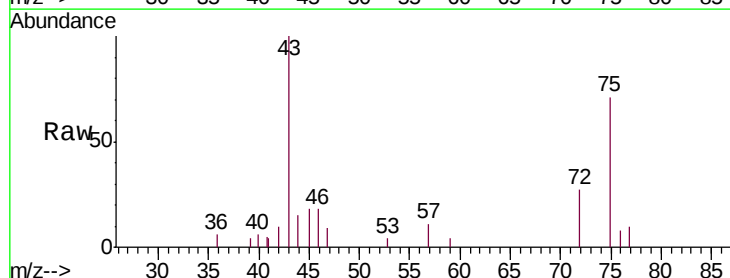
Acq: 29 Jul 2019 11:09

Tgt Ion: 43 Resp: 9795

Ion Ratio Lower Upper

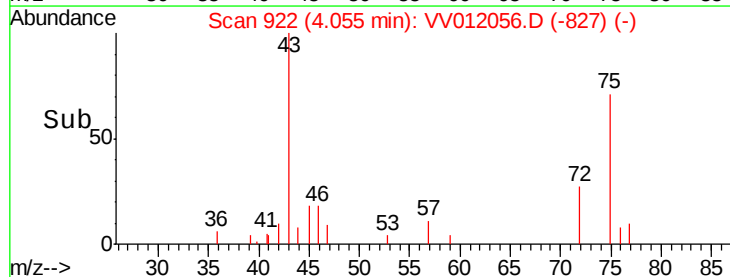
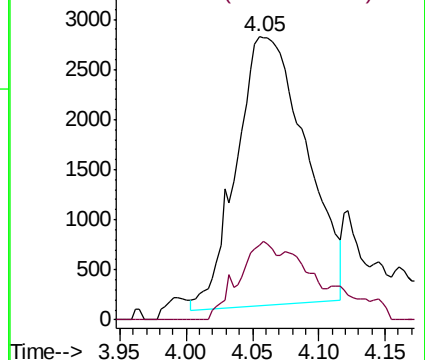
43 100

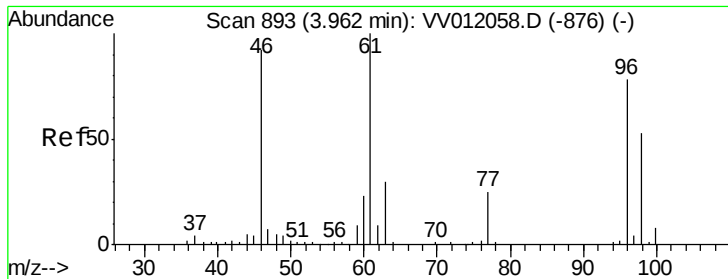
72 16.5 13.4 40.2



Abundance Ion 43.05 (42.75 to 43.75): VV012058.D (-900) (-)

Ion 72.10 (71.80 to 72.80): VV012058.D (-900) (-)



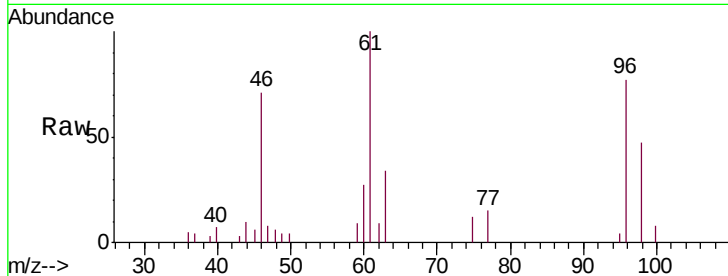


#22

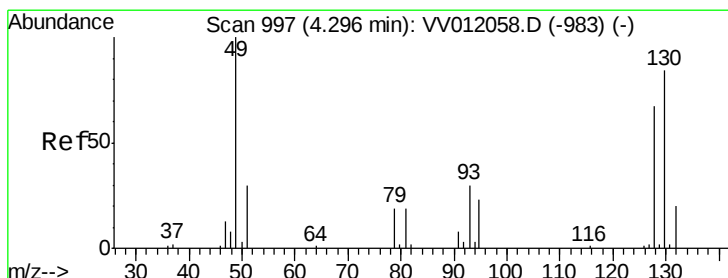
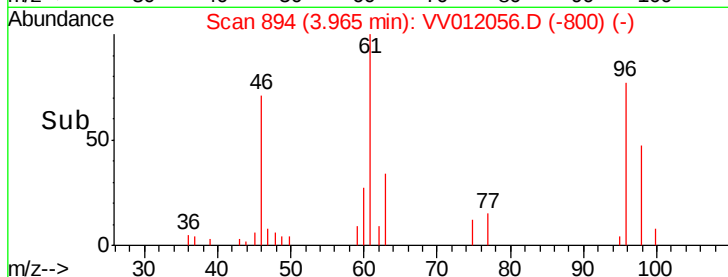
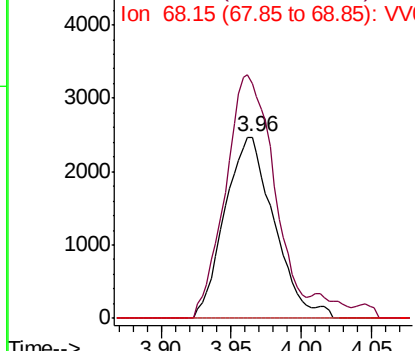
cis-1,2-Dichloroethene
Concen: 0.507 ug/L
RT: 3.96 min Scan# 894
Delta R.T. 0.00 min
Lab File: VV012056.D
Acq: 29 Jul 2019 11:09

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5321

Tgt Ion: 96 Resp: 6044
Ion Ratio Lower Upper
96 100
61 129.6 90.0 167.2
68 0.0 0.0 0.0



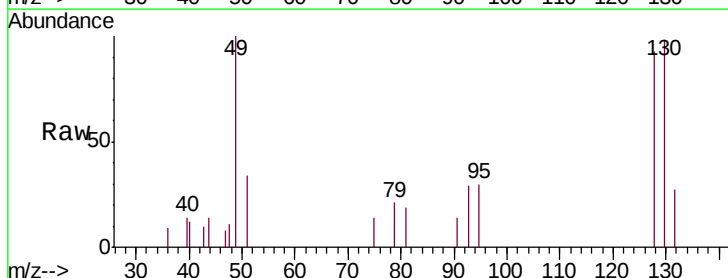
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



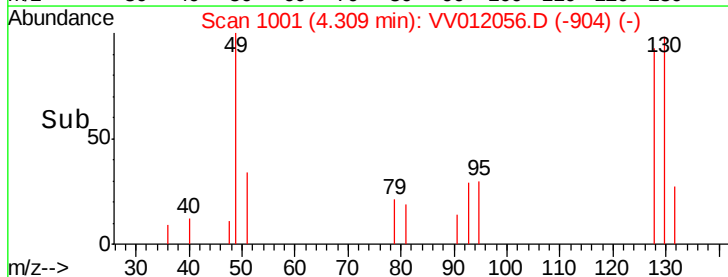
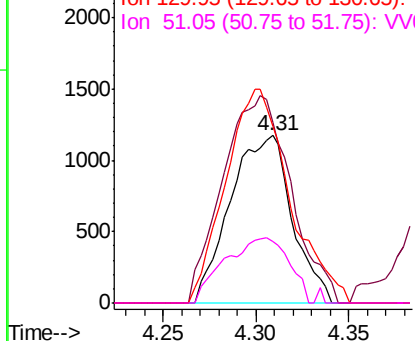
#23

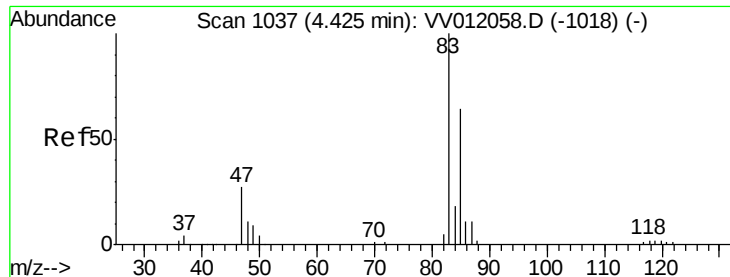
Bromochloromethane
Concen: 0.512 ug/L
RT: 4.31 min Scan# 1001
Delta R.T. 0.01 min
Lab File: VV012056.D
Acq: 29 Jul 2019 11:09

Tgt Ion: 128 Resp: 2715
Ion Ratio Lower Upper
128 100
49 107.5 105.1 195.1
130 105.5 88.9 165.1
51 36.9 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

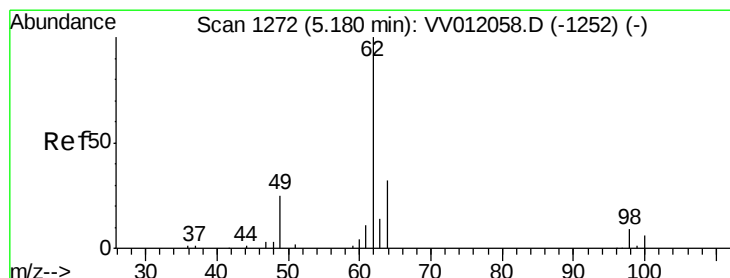
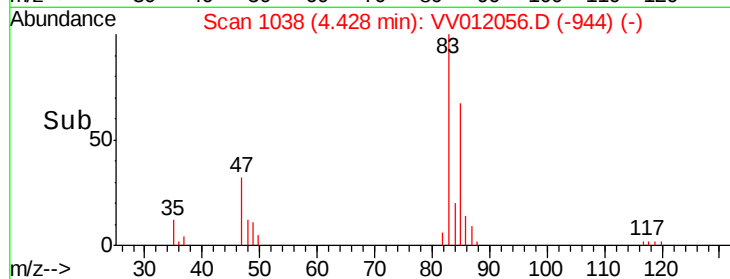
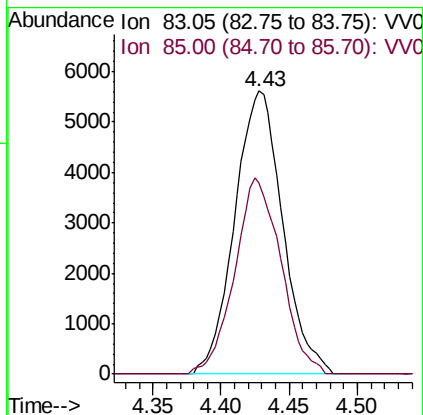
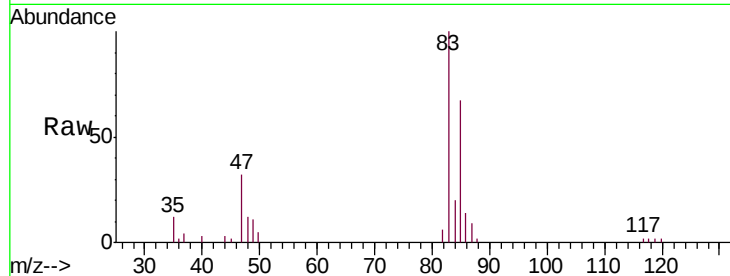




#25
Chloroform
Concen: 0.536 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV012056.D
Acq: 29 Jul 2019 11:09

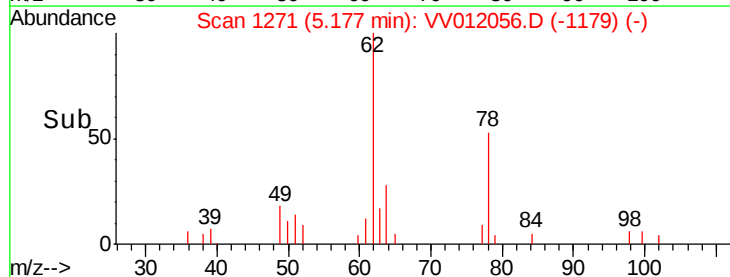
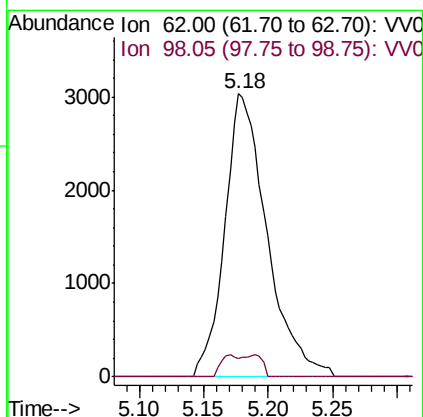
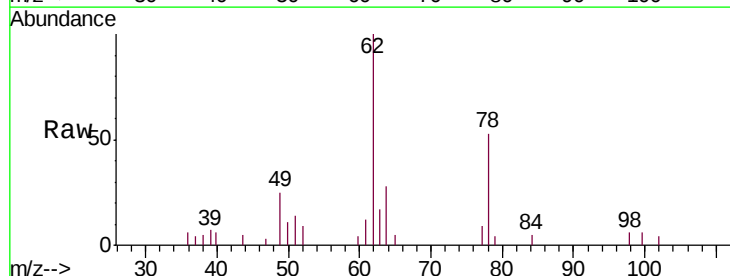
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5321

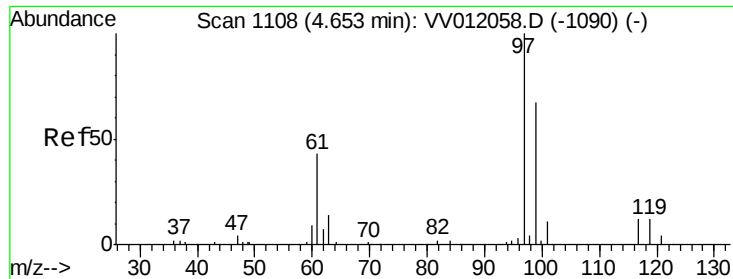
Tgt Ion: 83 Resp: 13705
Ion Ratio Lower Upper
83 100
85 67.5 45.2 84.0



#27
1,2-Dichloroethane
Concen: 0.500 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV012056.D
Acq: 29 Jul 2019 11:09

Tgt Ion: 62 Resp: 6916
Ion Ratio Lower Upper
62 100
98 6.5 7.0 10.6#

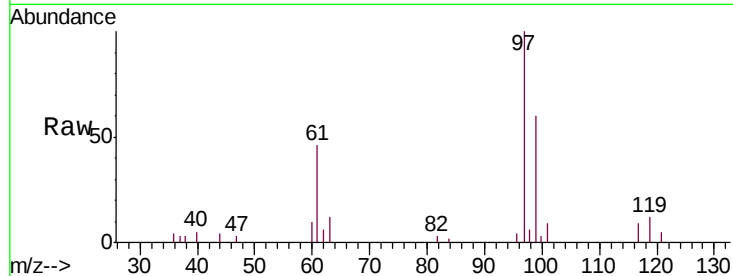




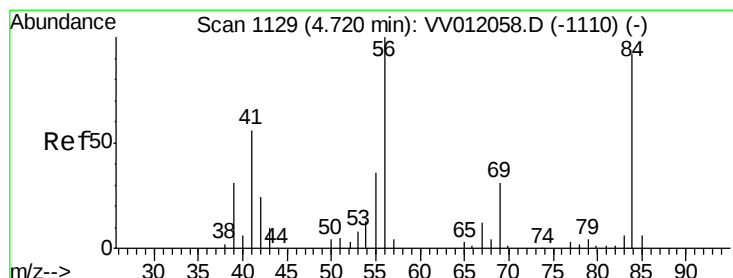
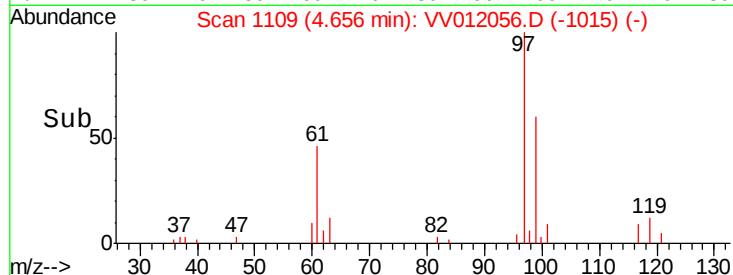
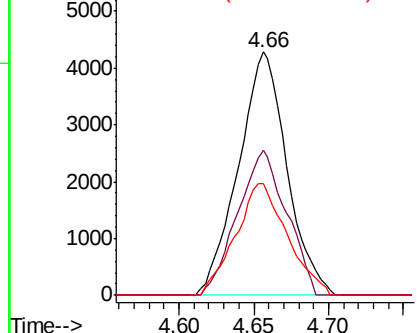
#29
 1,1,1-Trichloroethane
 Concen: 0.471 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: VV012056.D
 Acq: 29 Jul 2019 11:09

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.5321

Tgt Ion: 97 Resp: 9667
 Ion Ratio Lower Upper
 97 100
 99 60.2 51.8 77.8
 61 48.9 34.5 51.7

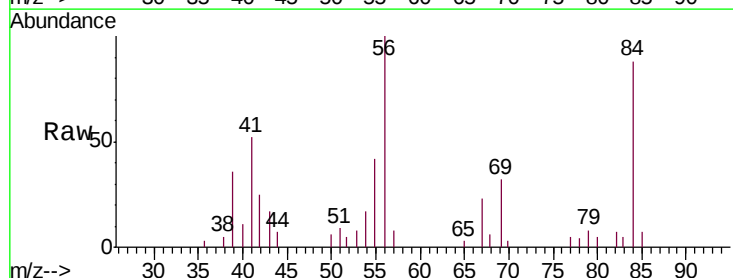


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

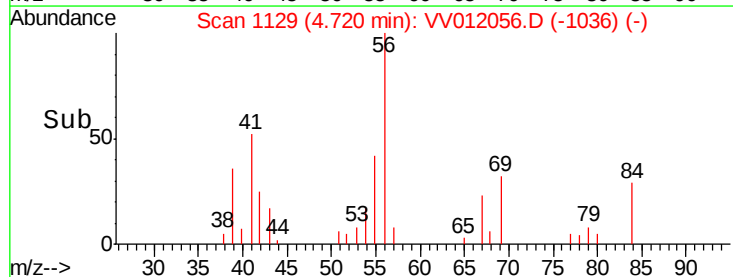
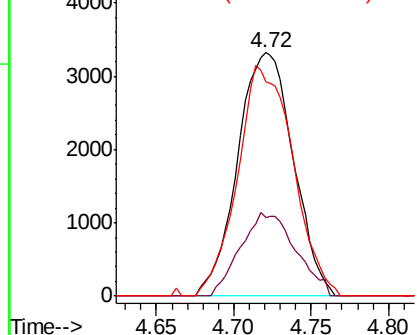


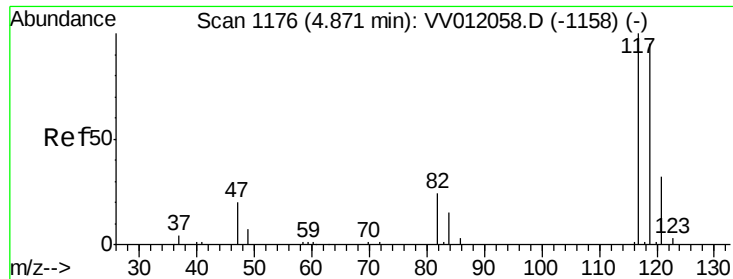
#30
 Cyclohexane
 Concen: 0.470 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. 0.00 min
 Lab File: VV012056.D
 Acq: 29 Jul 2019 11:09

Tgt Ion: 56 Resp: 8307
 Ion Ratio Lower Upper
 56 100
 69 34.0 24.8 37.2
 84 94.1 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: 0.463 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV012056.D

Acq: 29 Jul 2019 11:09

Instrument :

MSVOA_V

ClientSampleId :

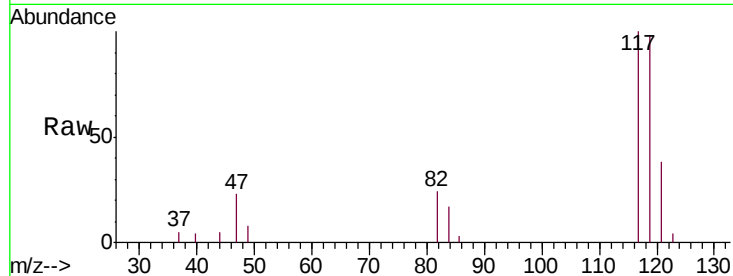
VSTD0.5321

Tgt Ion:117 Resp: 8684

Ion Ratio Lower Upper

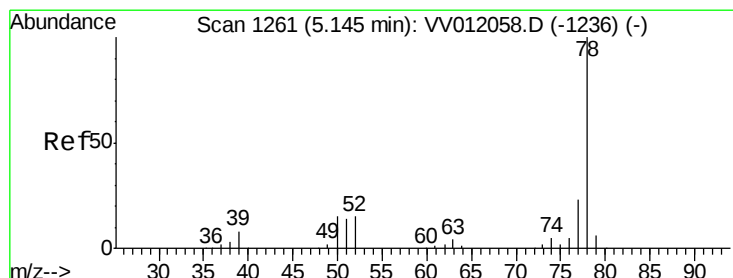
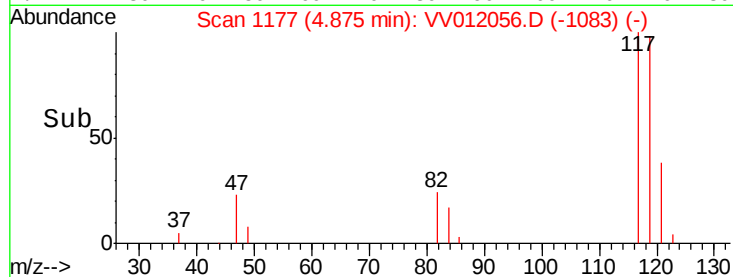
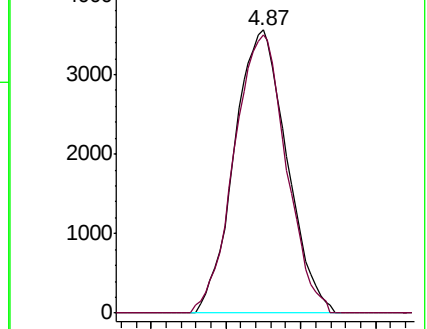
117 100

119 97.3 77.7 116.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.484 ug/L

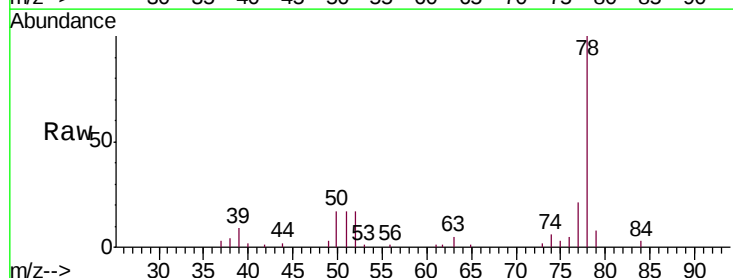
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

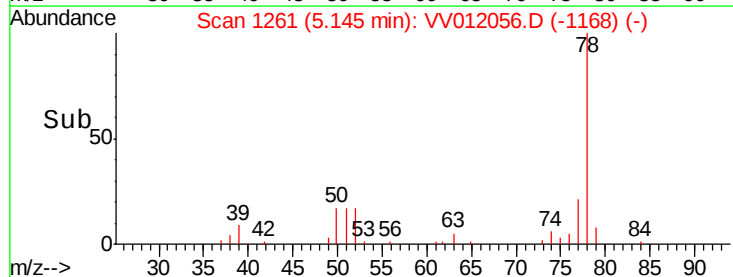
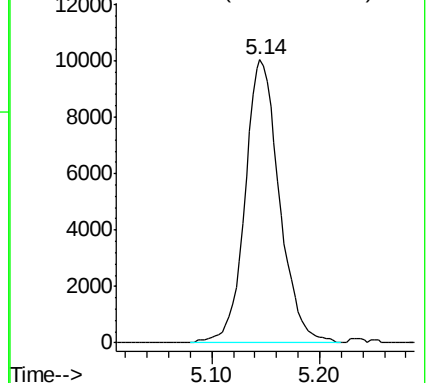
Lab File: VV012056.D

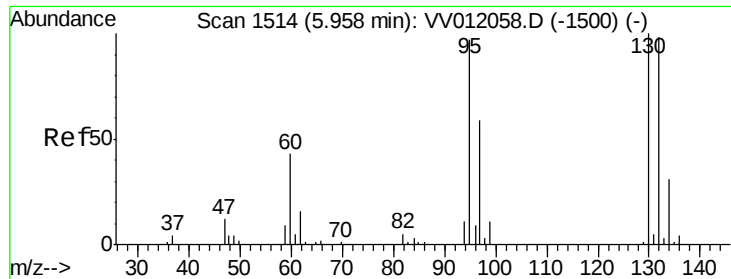
Acq: 29 Jul 2019 11:09

Tgt Ion: 78 Resp: 22153



Abundance Ion 78.10 (77.80 to 78.80): VV0

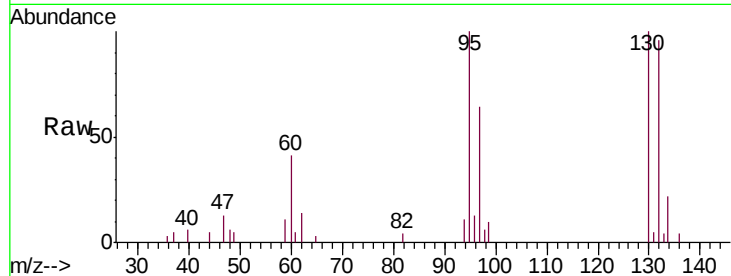




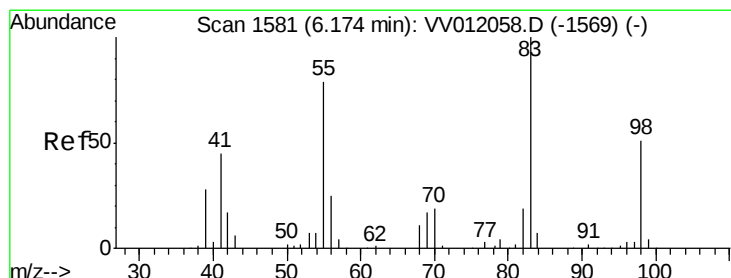
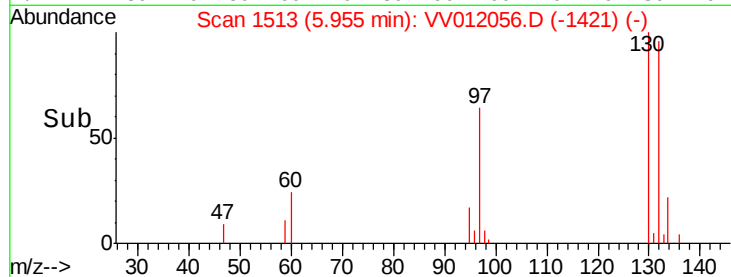
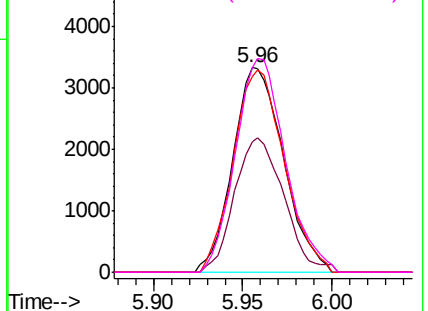
#34
 Trichloroethene
 Concen: 0.521 ug/L
 RT: 5.96 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VV012056.D
 Acq: 29 Jul 2019 11:09

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.5321

Tgt Ion: 95 Resp: 6619
 Ion Ratio Lower Upper
 95 100
 97 64.2 42.8 79.6
 132 96.1 70.8 131.6
 130 100.4 72.3 134.3

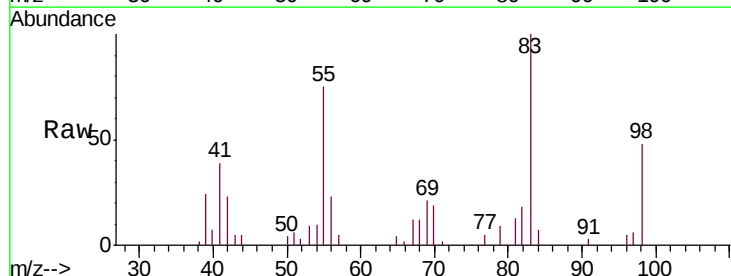


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

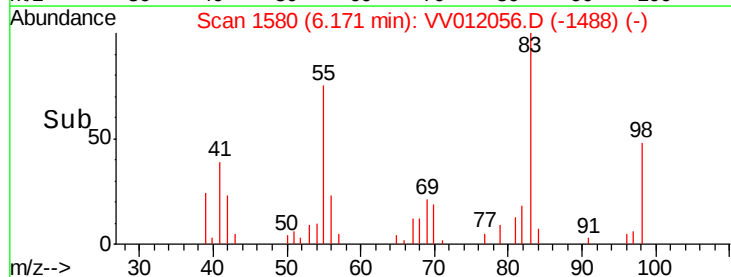
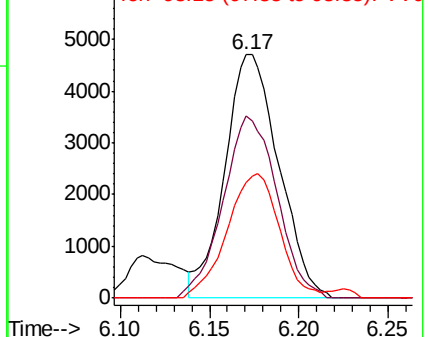


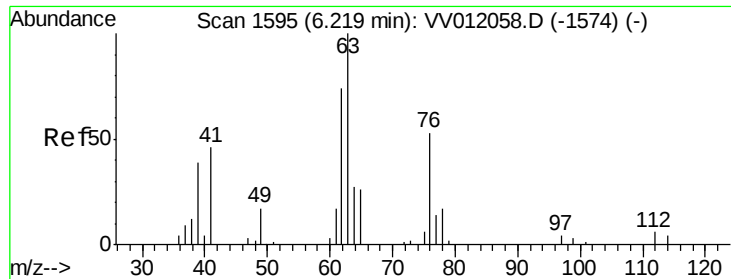
#35
 Methylcyclohexane
 Concen: 0.494 ug/L
 RT: 6.17 min Scan# 1580
 Delta R.T. -0.00 min
 Lab File: VV012056.D
 Acq: 29 Jul 2019 11:09

Tgt Ion: 83 Resp: 9914
 Ion Ratio Lower Upper
 83 100
 55 74.7 60.1 90.1
 98 49.9 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

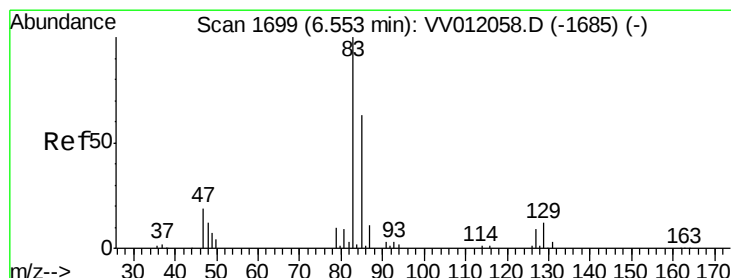
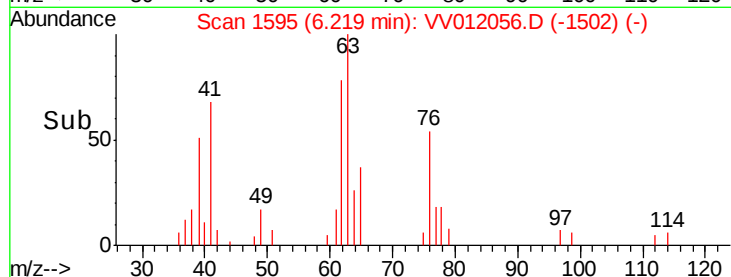
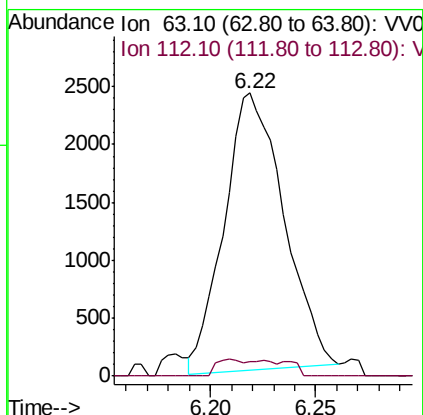
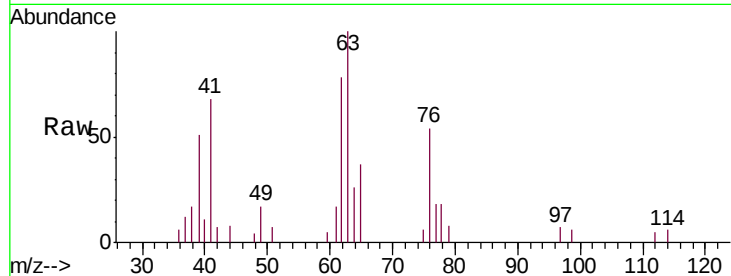




#37
 1,2-Dichloropropane
 Concen: 0.445 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV012056.D
 Acq: 29 Jul 2019 11:09

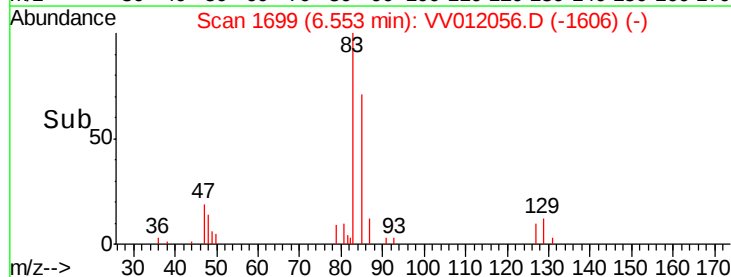
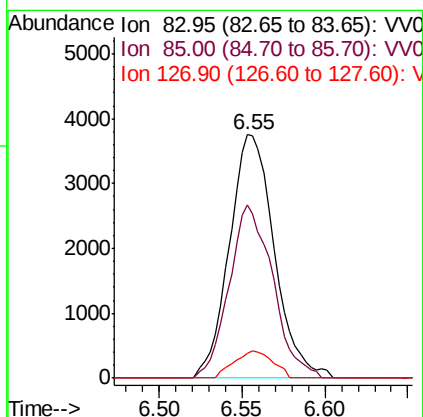
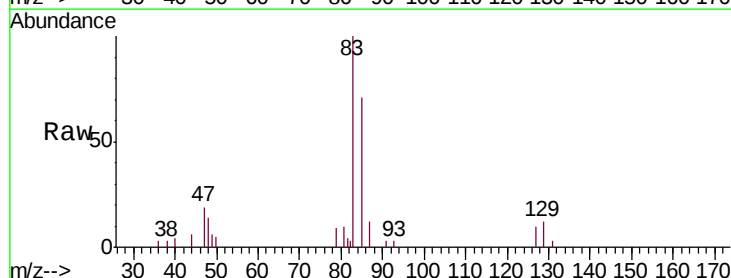
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.5321

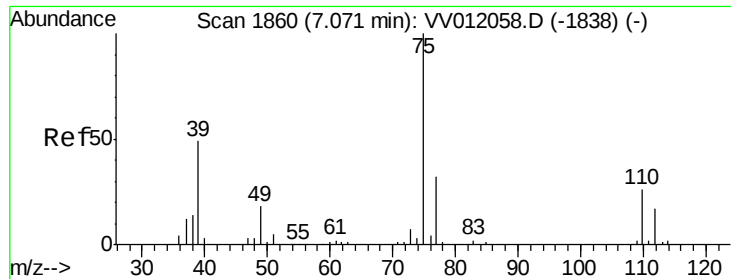
Tgt Ion: 63 Resp: 4698
 Ion Ratio Lower Upper
 63 100
 112 2.7 3.8 5.6#



#38
 Bromodichloromethane
 Concen: 0.473 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV012056.D
 Acq: 29 Jul 2019 11:09

Tgt Ion: 83 Resp: 7066
 Ion Ratio Lower Upper
 83 100
 85 71.0 43.9 81.5
 127 10.3 6.9 10.3

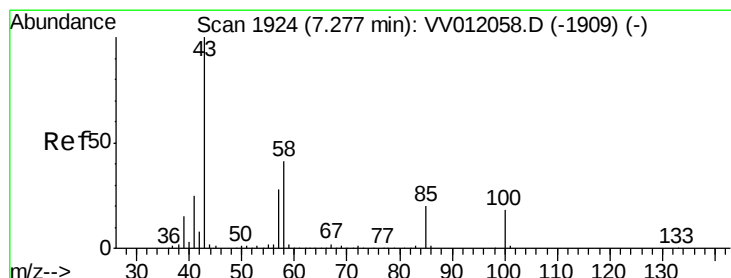
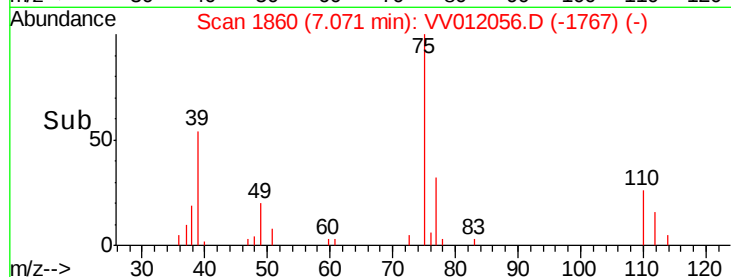
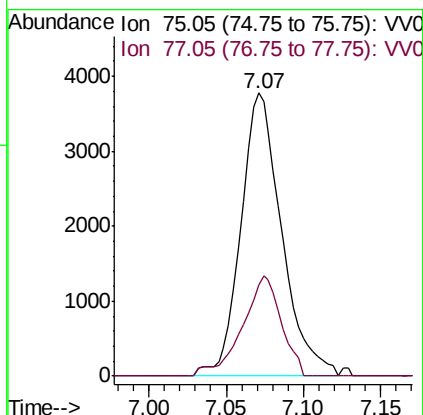
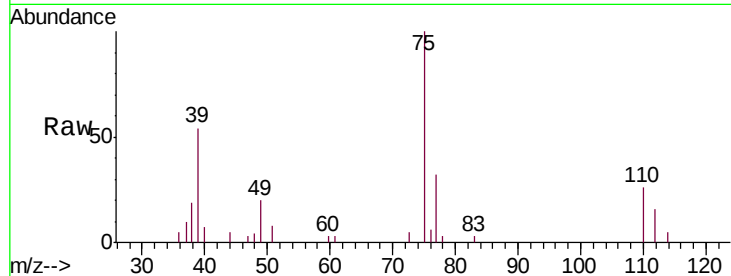




#39
 cis-1,3-Dichloropropene
 Concen: 0.413 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV012056.D
 Acq: 29 Jul 2019 11:09

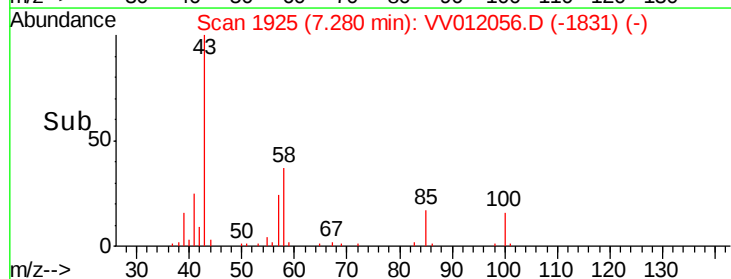
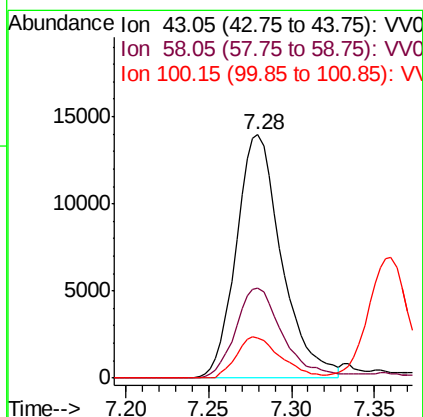
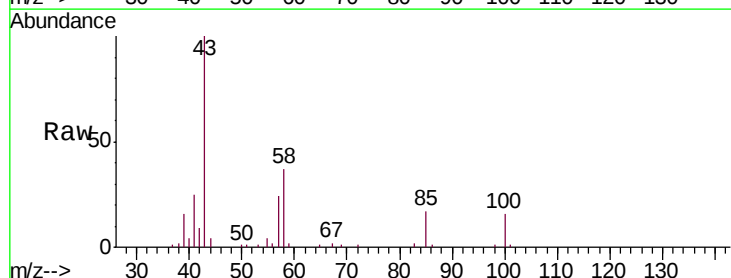
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.5321

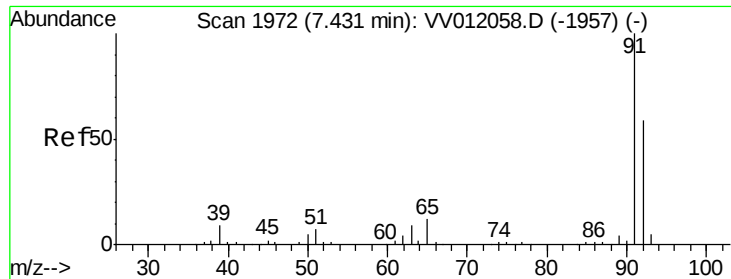
Tgt Ion: 75 Resp: 6942
 Ion Ratio Lower Upper
 75 100
 77 32.2 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 4.414 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. 0.00 min
 Lab File: VV012056.D
 Acq: 29 Jul 2019 11:09

Tgt Ion: 43 Resp: 26569
 Ion Ratio Lower Upper
 43 100
 58 38.8 31.9 47.9
 100 16.7 14.0 21.0





#42

Toluene

Concen: 0.451 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012056.D

Acq: 29 Jul 2019 11:09

Instrument :

MSVOA_V

ClientSampleId :

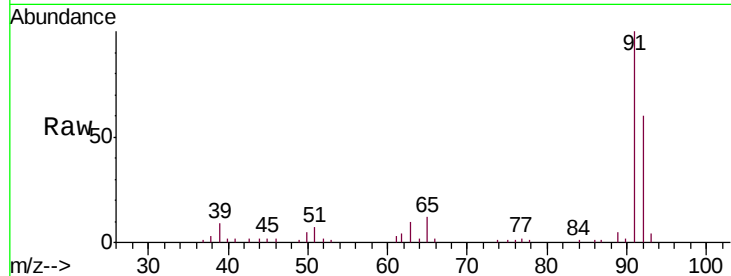
VSTD0.5321

Tgt Ion: 91 Resp: 23353

Ion Ratio Lower Upper

91 100

92 60.3 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

15000

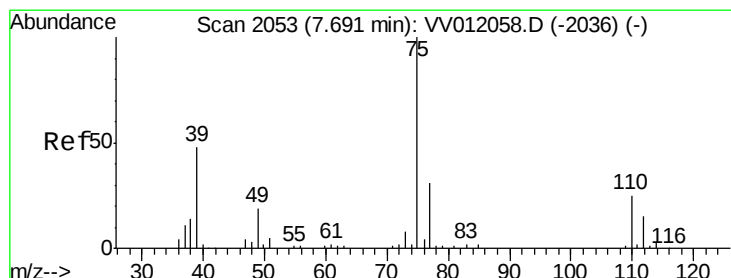
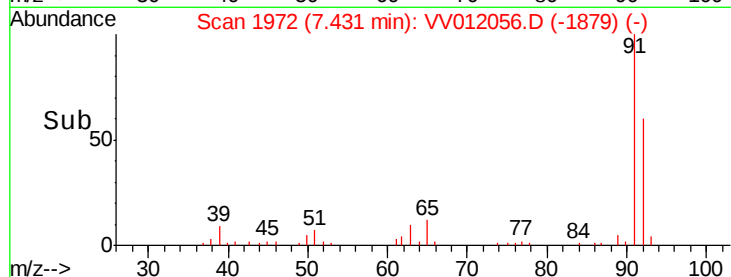
10000

5000

0

Time-->

7.40 7.45 7.50



#44

trans-1,3-Dichloropropene

Concen: 0.426 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.01 min

Lab File: VV012056.D

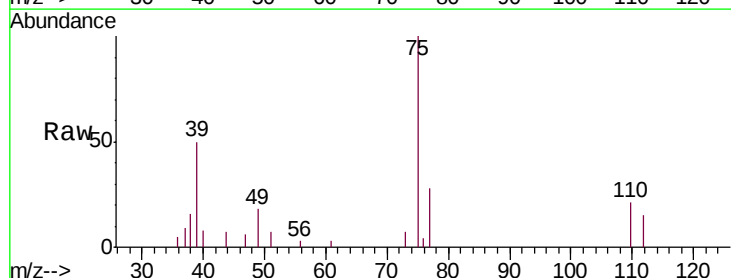
Acq: 29 Jul 2019 11:09

Tgt Ion: 75 Resp: 5766

Ion Ratio Lower Upper

75 100

77 28.1 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.70

3000

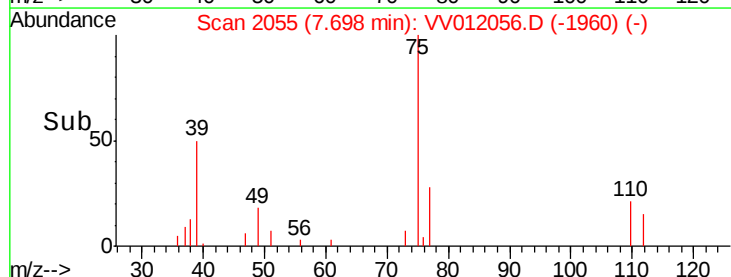
2000

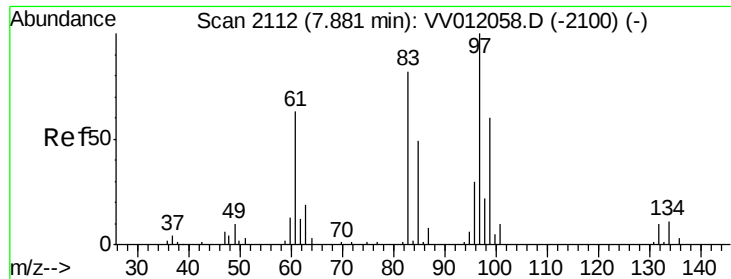
1000

0

Time-->

7.65 7.70 7.75

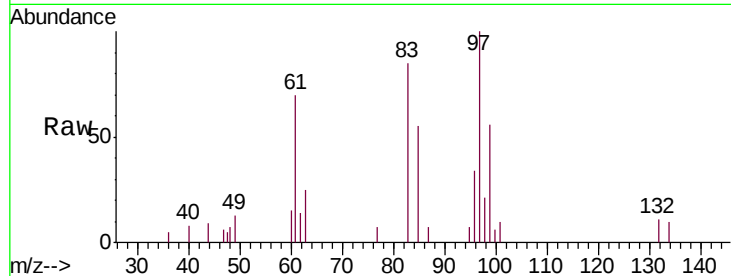




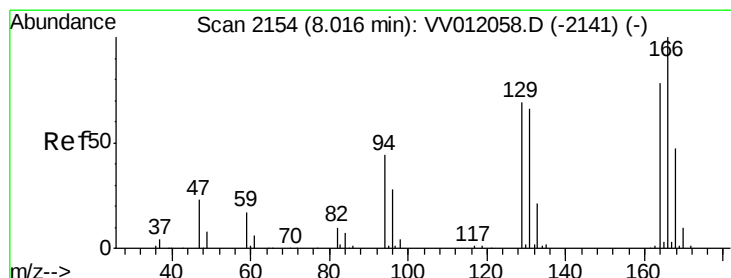
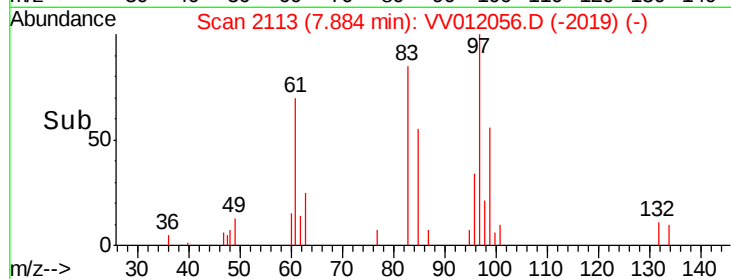
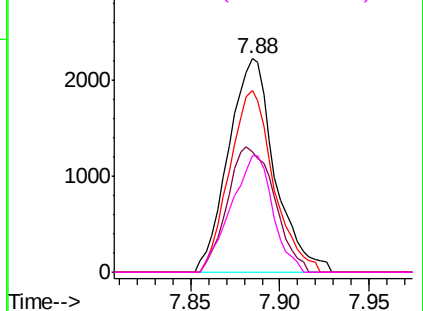
#45
 1,1,2-Trichloroethane
 Concen: 0.503 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV012056.D
 Acq: 29 Jul 2019 11:09

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.5321

Tgt Ion: 97 Resp: 4008
 Ion Ratio Lower Upper
 97 100
 99 56.4 42.0 78.0
 83 85.1 57.6 107.0
 85 54.7 34.6 64.2

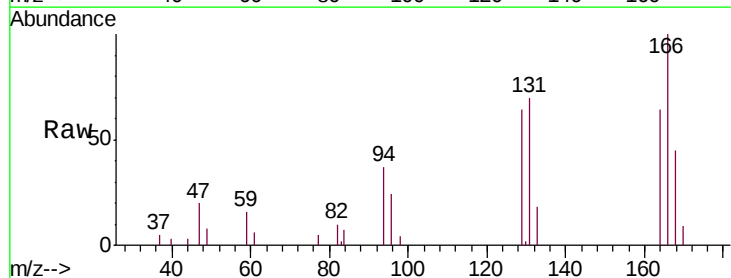


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

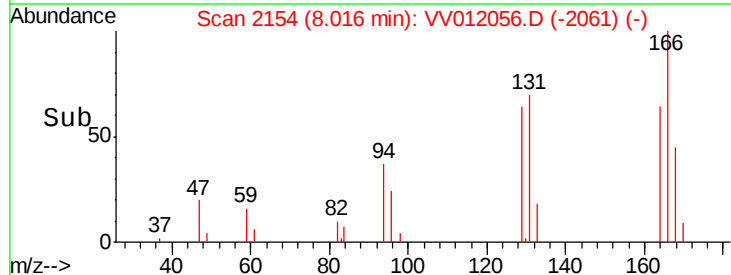
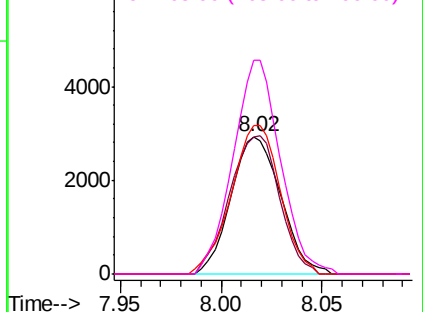


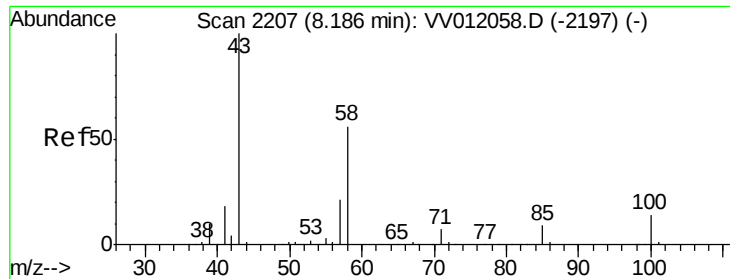
#47
 Tetrachloroethene
 Concen: 0.432 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV012056.D
 Acq: 29 Jul 2019 11:09

Tgt Ion: 164 Resp: 5072
 Ion Ratio Lower Upper
 164 100
 129 99.4 61.9 114.9
 131 108.1 59.4 110.4
 166 155.1 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

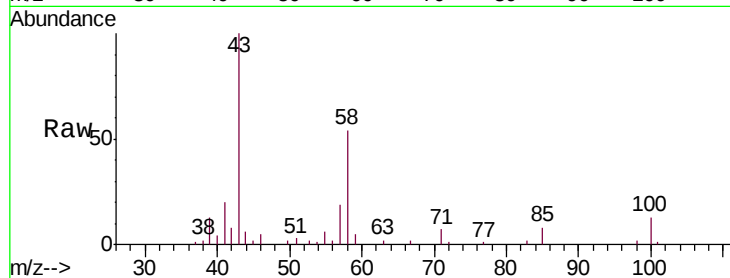




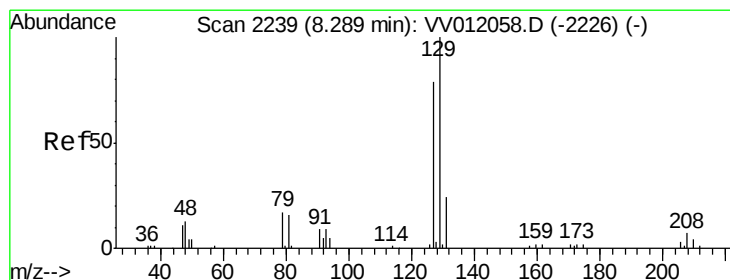
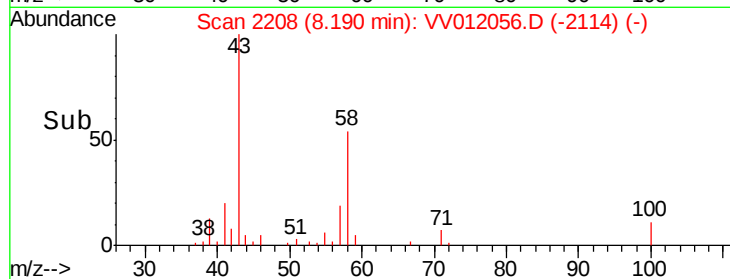
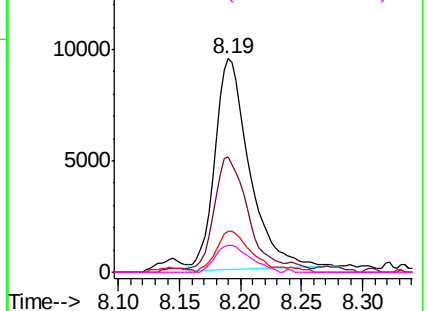
#48
2-Hexanone
Concen: 4.394 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV012056.D
Acq: 29 Jul 2019 11:09

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5321

Tgt Ion: 43 Resp: 18972
Ion Ratio Lower Upper
43 100
58 50.0 44.1 66.1
57 20.6 16.1 24.1
100 12.8 11.3 16.9

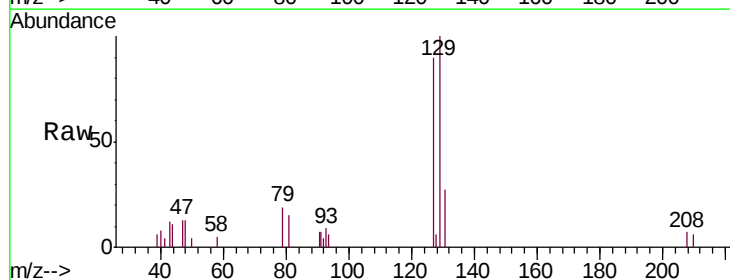


Abundance Ion 43.05 (42.75 to 43.75): VV012056.D (-2197) (-)
Ion 58.05 (57.75 to 58.75): VV012056.D (-2197) (-)
Ion 57.20 (56.90 to 57.90): VV012056.D (-2197) (-)
Ion 100.15 (99.85 to 100.85): VV012056.D (-2197) (-)

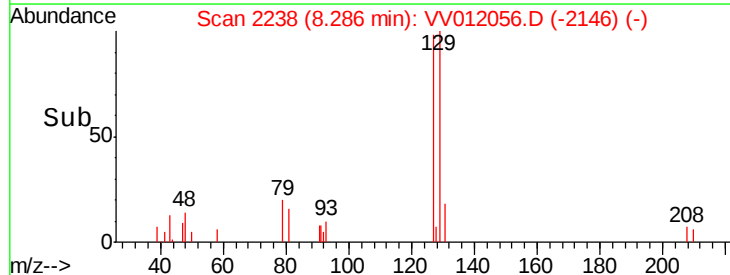
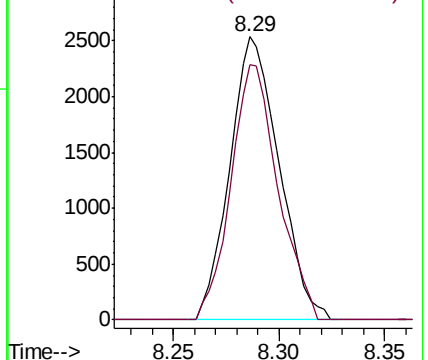


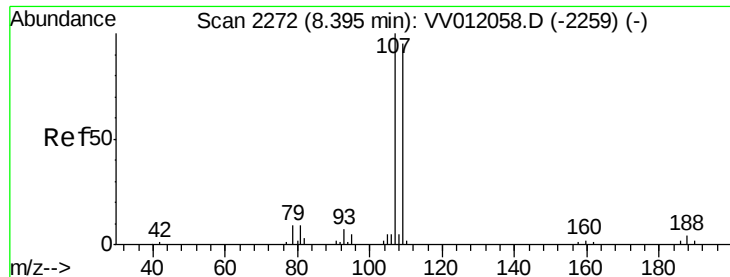
#49
Dibromochloromethane
Concen: 0.410 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VV012056.D
Acq: 29 Jul 2019 11:09

Tgt Ion: 129 Resp: 4111
Ion Ratio Lower Upper
129 100
127 90.3 55.4 102.8



Abundance Ion 128.95 (128.65 to 129.65): VV012056.D (-2146) (-)
Ion 126.90 (126.60 to 127.60): VV012056.D (-2146) (-)

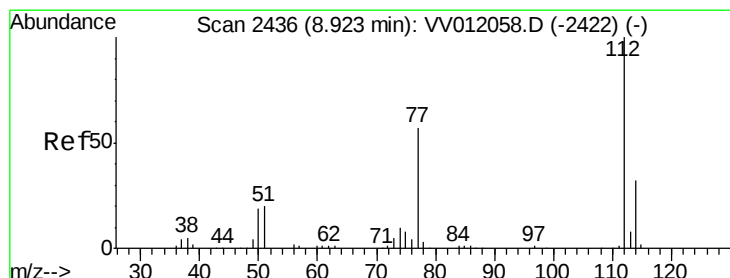
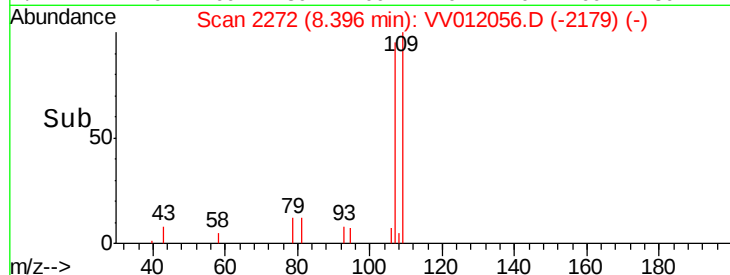
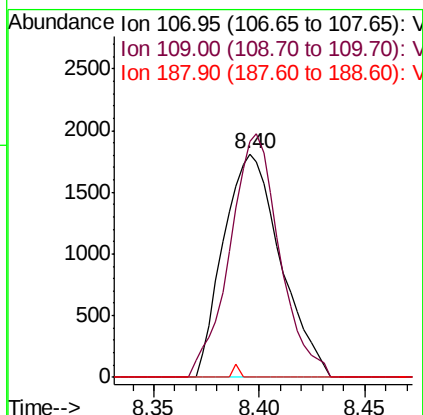
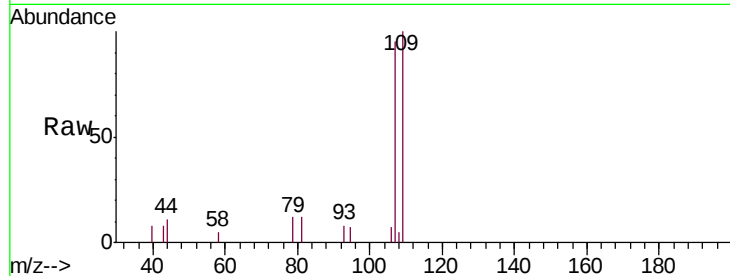




#50
1,2-Dibromoethane
Concen: 0.453 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV012056.D
Acq: 29 Jul 2019 11:09

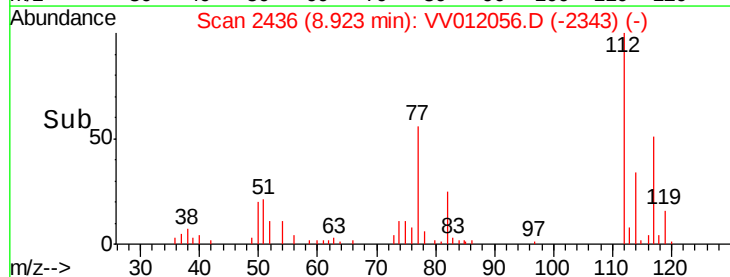
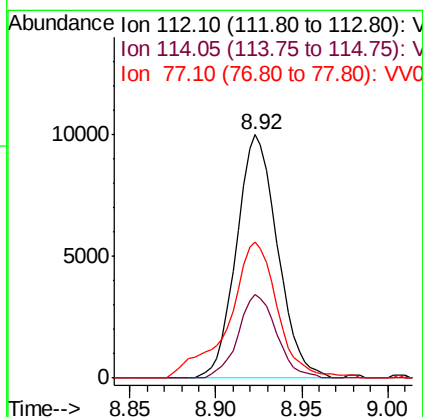
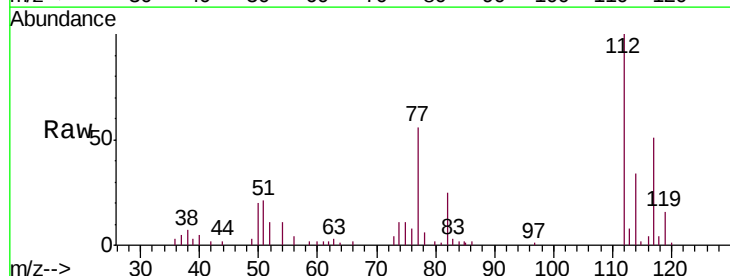
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5321

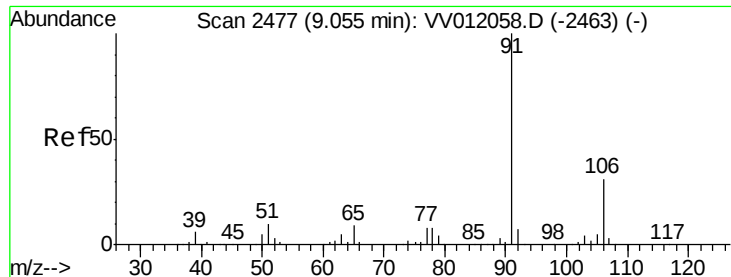
Tgt Ion:107 Resp: 3408
Ion Ratio Lower Upper
107 100
109 105.5 66.3 123.1
188 0.0 3.4 5.0#



#51
Chlorobenzene
Concen: 0.495 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV012056.D
Acq: 29 Jul 2019 11:09

Tgt Ion:112 Resp: 16558
Ion Ratio Lower Upper
112 100
114 34.1 22.1 41.1
77 56.0 45.9 68.9





#52

Ethylbenzene

Concen: 0.443 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV012056.D

Acq: 29 Jul 2019 11:09

Instrument :

MSVOA_V

ClientSampleId :

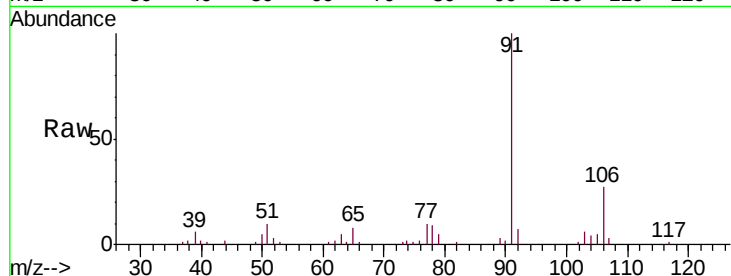
VSTD0.5321

Tgt Ion: 91 Resp: 25730

Ion Ratio Lower Upper

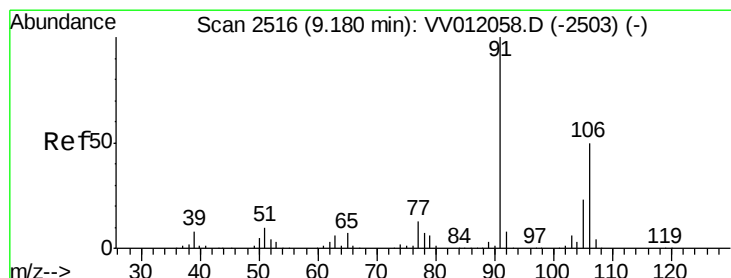
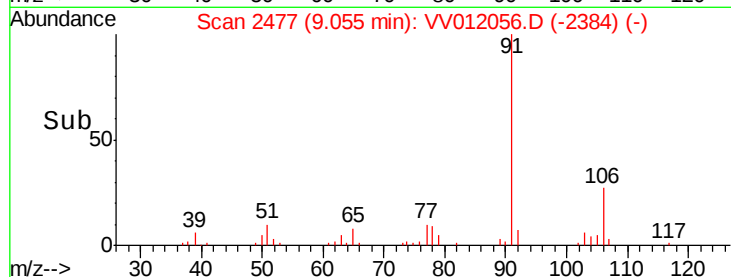
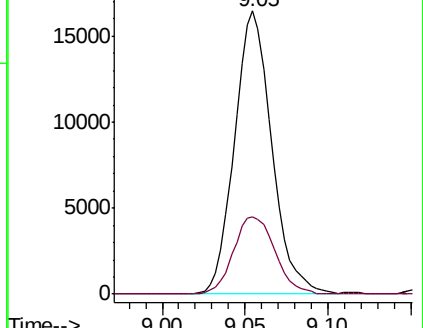
91 100

106 27.5 21.6 40.2



Abundance Ion 91.15 (90.85 to 91.85): VV012058.D (-2463) (-)

Ion 106.15 (105.85 to 106.85): VV012058.D (-2463) (-)



#53

m,p-xylene

Concen: 0.414 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV012056.D

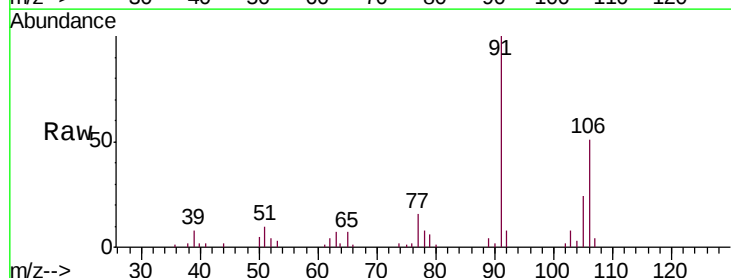
Acq: 29 Jul 2019 11:09

Tgt Ion: 106 Resp: 9496

Ion Ratio Lower Upper

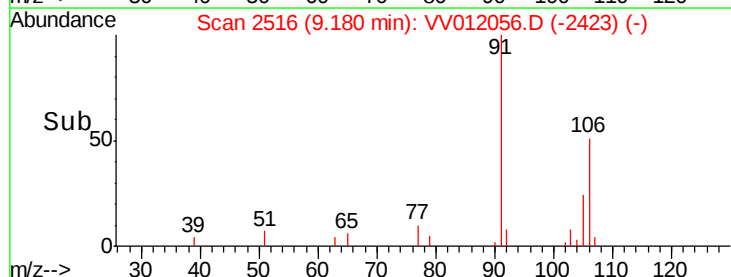
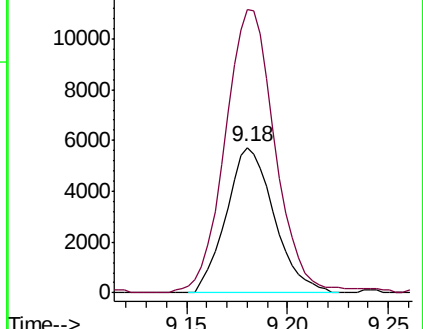
106 100

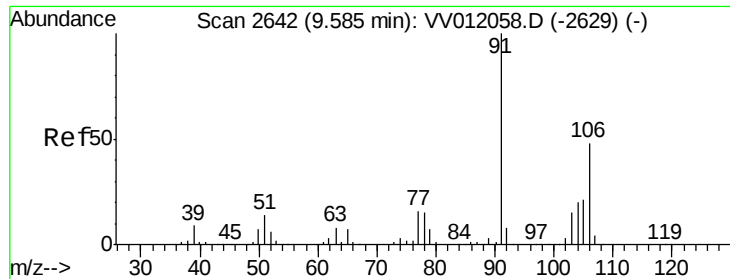
91 194.7 141.6 263.0



Abundance Ion 106.15 (105.85 to 106.85): VV012058.D (-2503) (-)

Ion 91.15 (90.85 to 91.85): VV012058.D (-2503) (-)





#54

o-xylene

Concen: 0.423 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV012056.D

Acq: 29 Jul 2019 11:09

Instrument :

MSVOA_V

ClientSampleId :

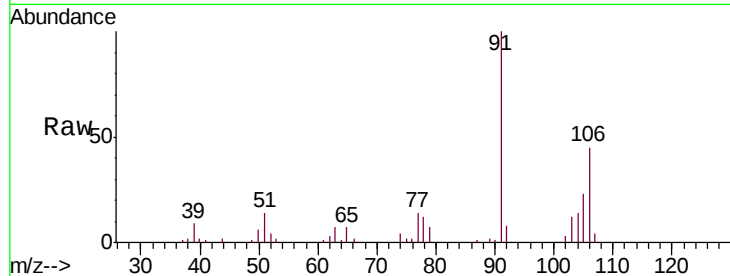
VSTD0.5321

Tgt Ion:106 Resp: 8946

Ion Ratio Lower Upper

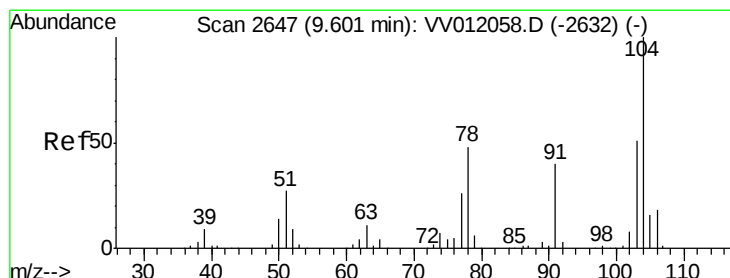
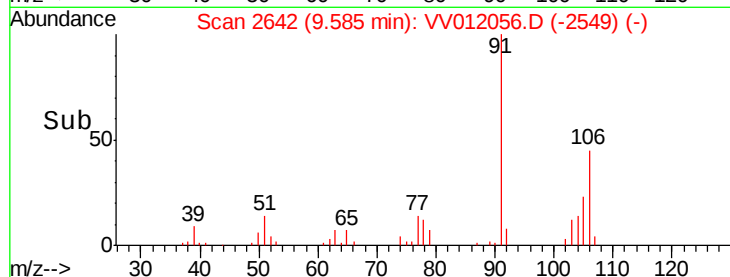
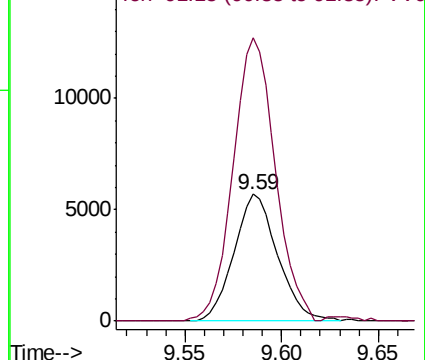
106 100

91 223.5 146.8 272.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.400 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV012056.D

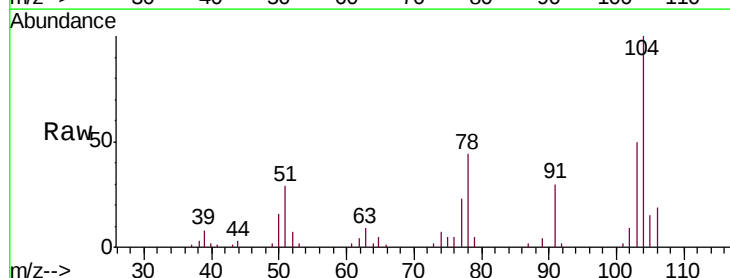
Acq: 29 Jul 2019 11:09

Tgt Ion:104 Resp: 14504

Ion Ratio Lower Upper

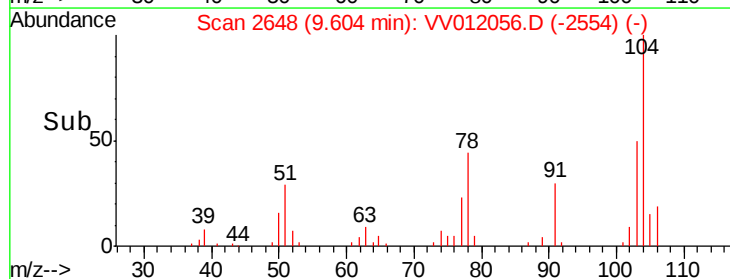
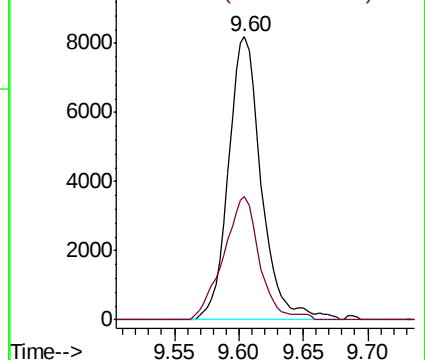
104 100

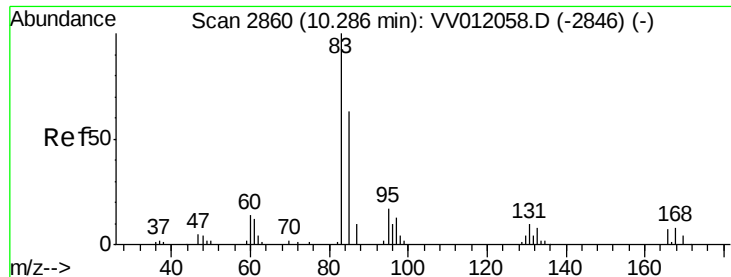
78 43.6 33.3 61.9



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: 0.473 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV012056.D

Acq: 29 Jul 2019 11:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.5321

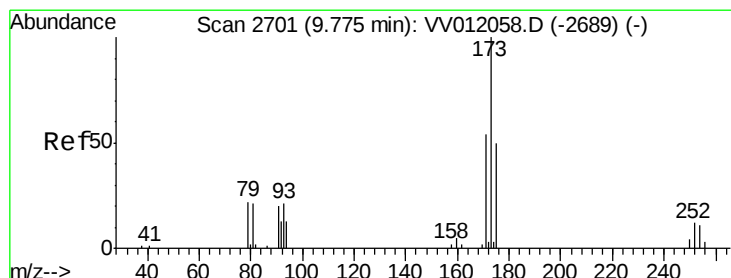
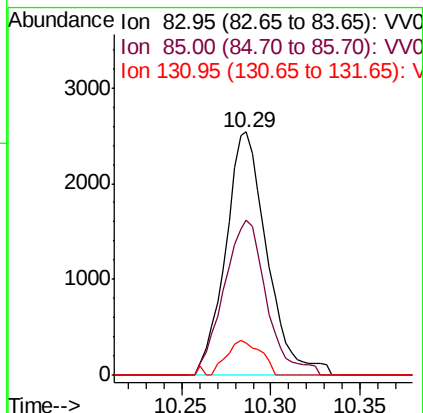
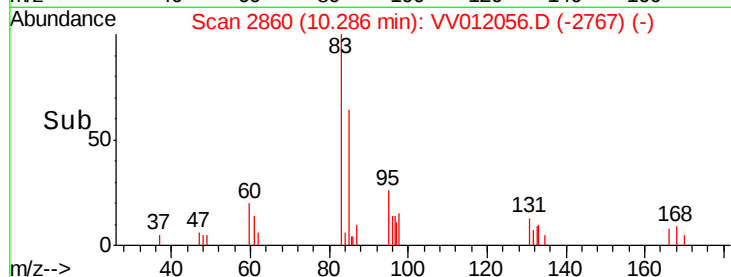
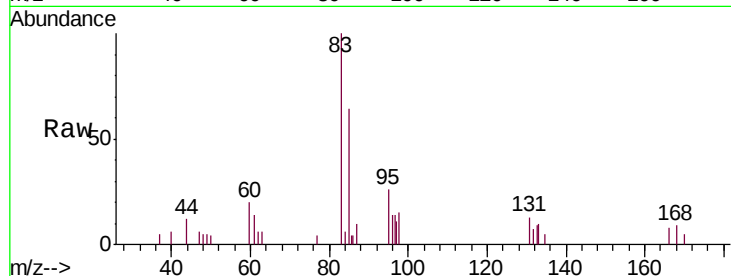
Tgt Ion: 83 Resp: 4082

Ion Ratio Lower Upper

83 100

85 63.8 44.0 81.6

131 13.1 8.3 12.5#



#59

Bromoform

Concen: 0.520 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV012056.D

Acq: 29 Jul 2019 11:09

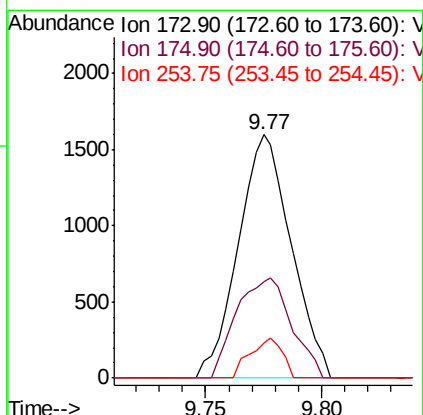
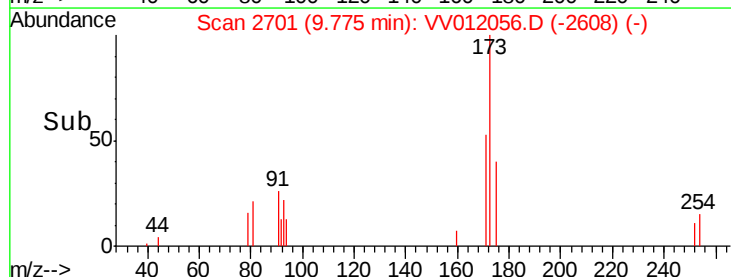
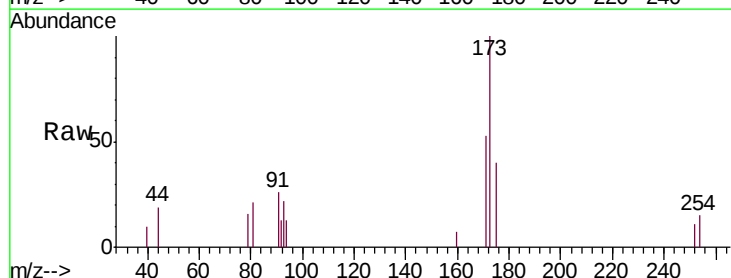
Tgt Ion: 173 Resp: 2526

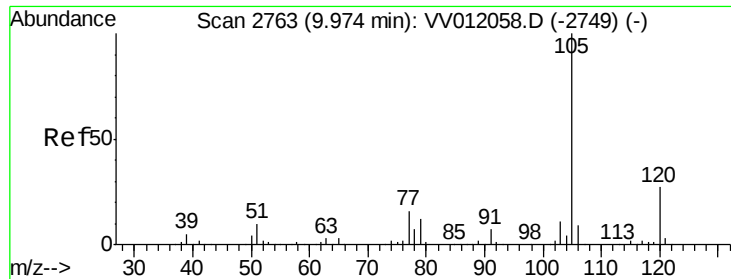
Ion Ratio Lower Upper

173 100

175 43.0 38.3 57.5

254 10.0 8.6 13.0





#60

Isopropylbenzene

Concen: 0.493 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV012056.D

Acq: 29 Jul 2019 11:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.5321

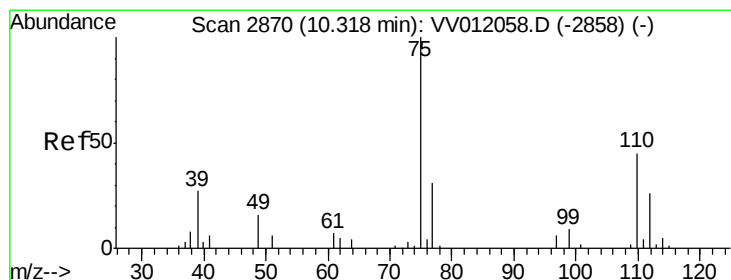
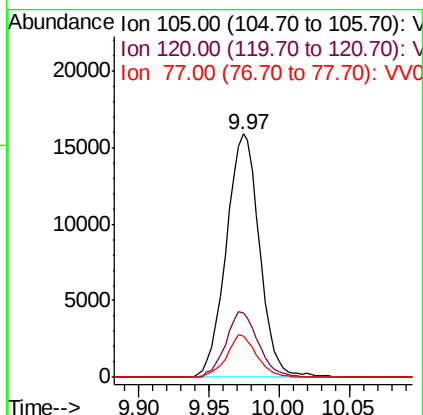
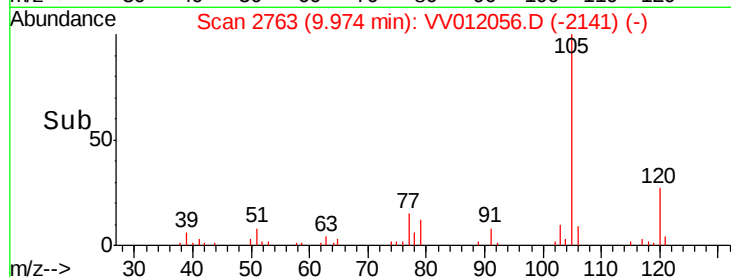
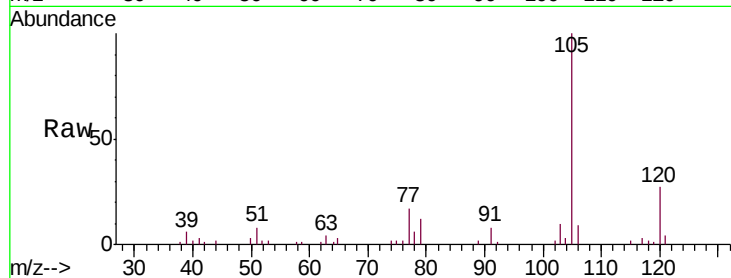
Tgt Ion: 105 Resp: 26189

Ion Ratio Lower Upper

105 100

120 26.2 21.5 32.3

77 15.8 12.3 18.5



#61

1,2,3-Trichloropropane

Concen: 0.528 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VV012056.D

Acq: 29 Jul 2019 11:09

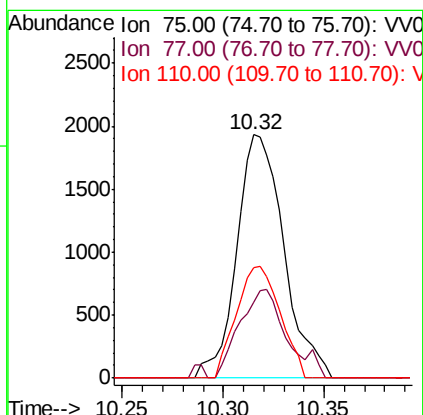
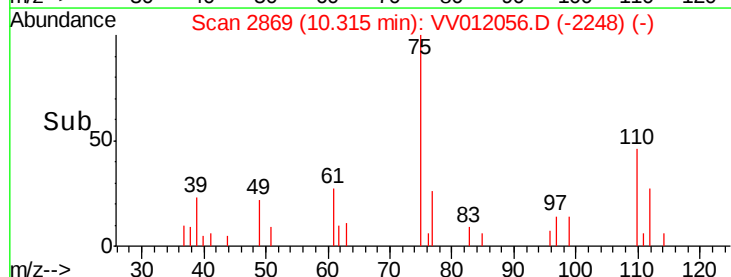
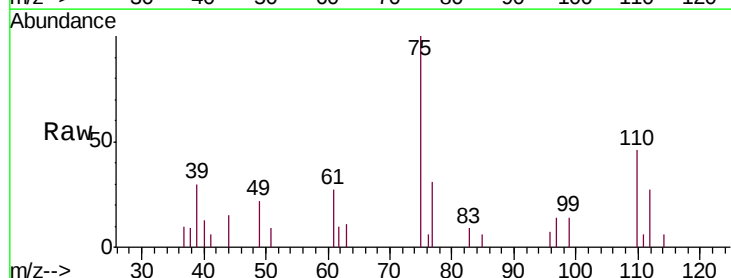
Tgt Ion: 75 Resp: 3157

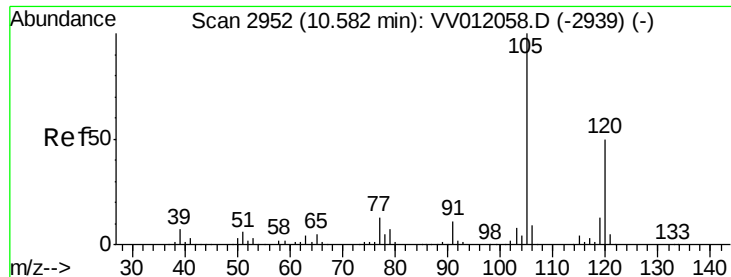
Ion Ratio Lower Upper

75 100

77 36.4 26.8 40.2

110 43.0 35.0 52.6





#62

1,3,5-Trimethylbenzene

Concen: 0.429 ug/L

RT: 10.58 min Scan# 2952

Delta R.T. 0.00 min

Lab File: VV012056.D

Acq: 29 Jul 2019 11:09

Instrument :

MSVOA_V

ClientSampleId :

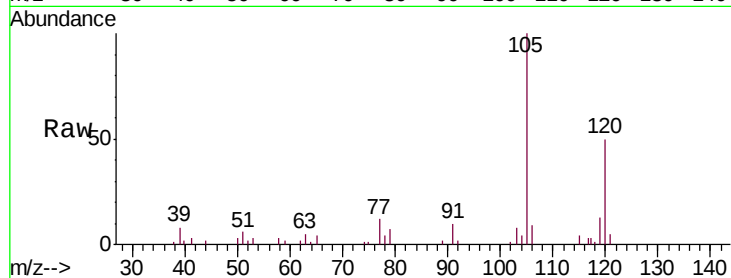
VSTD0.5321

Tgt Ion:105 Resp: 19167

Ion Ratio Lower Upper

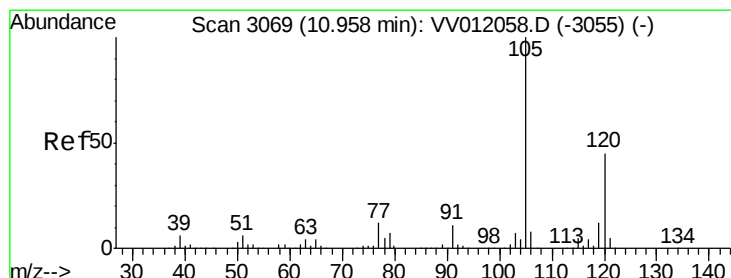
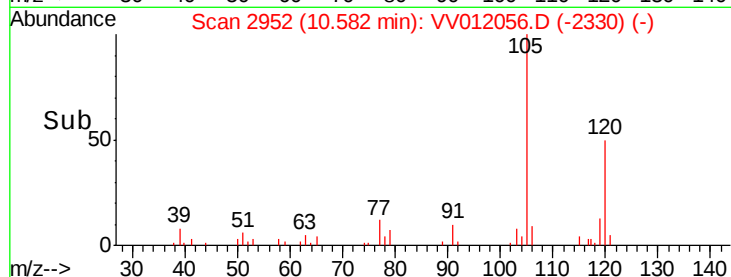
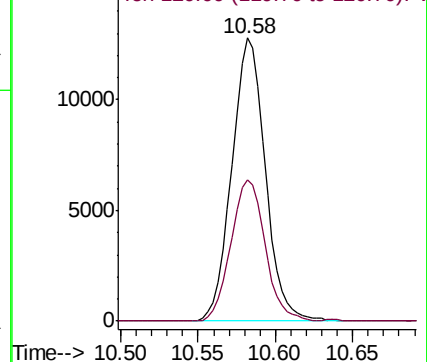
105 100

120 51.0 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: 0.420 ug/L

RT: 10.96 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VV012056.D

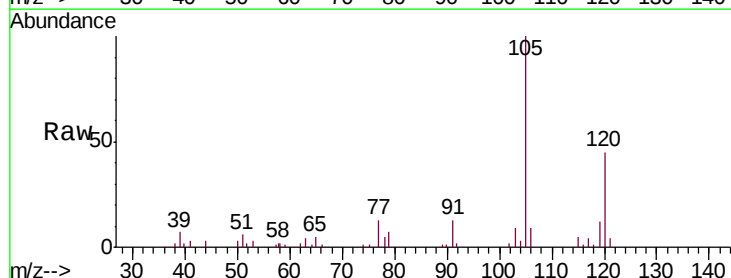
Acq: 29 Jul 2019 11:09

Tgt Ion:105 Resp: 19037

Ion Ratio Lower Upper

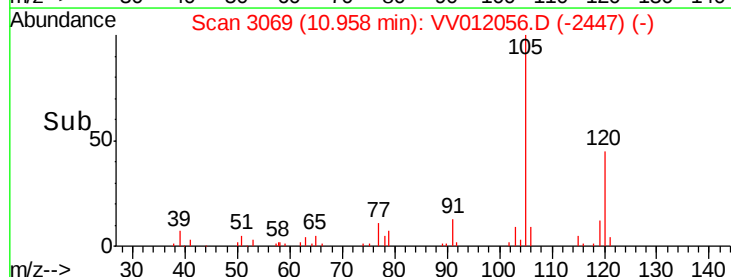
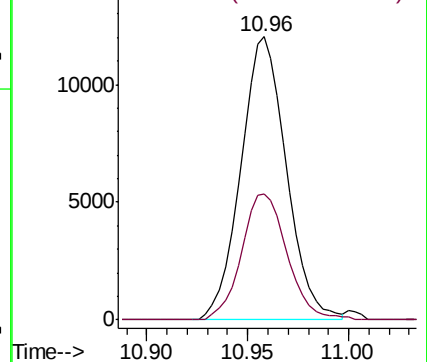
105 100

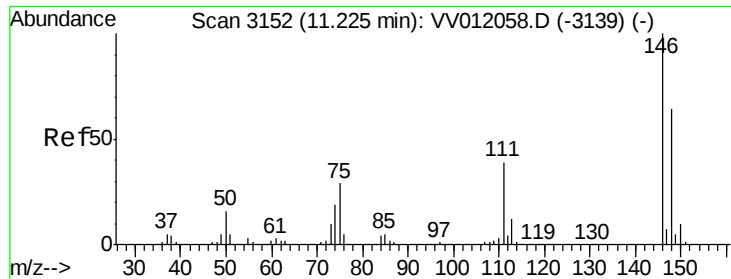
120 44.6 35.8 53.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

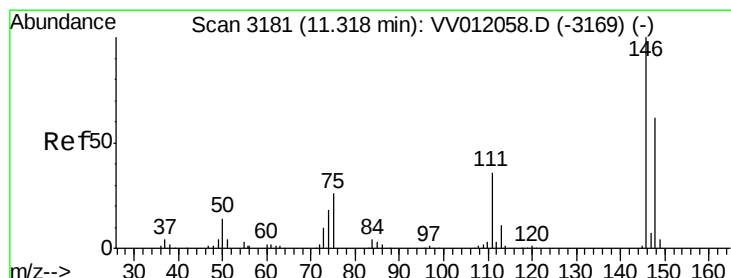
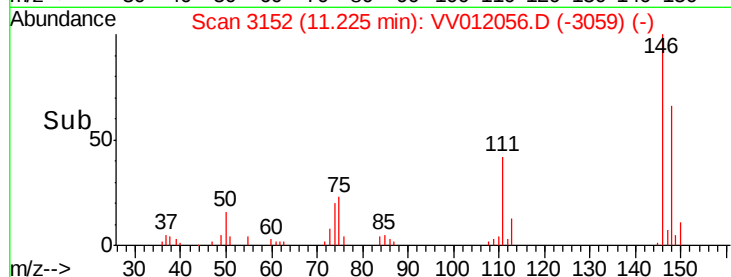
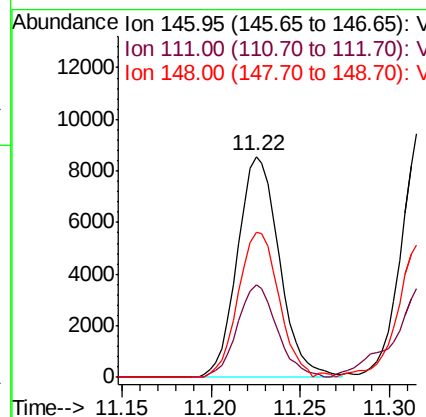
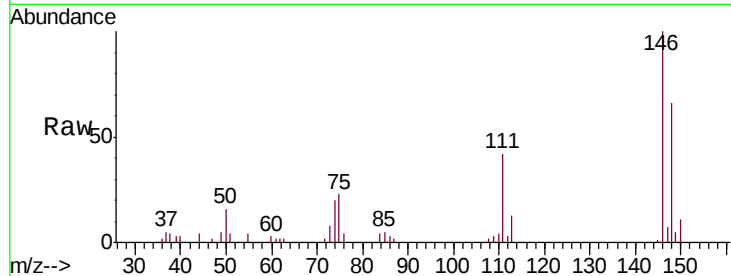




#64
 1,3-Dichlorobenzene
 Concen: 0.541 ug/L
 RT: 11.22 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: VV012056.D
 Acq: 29 Jul 2019 11:09

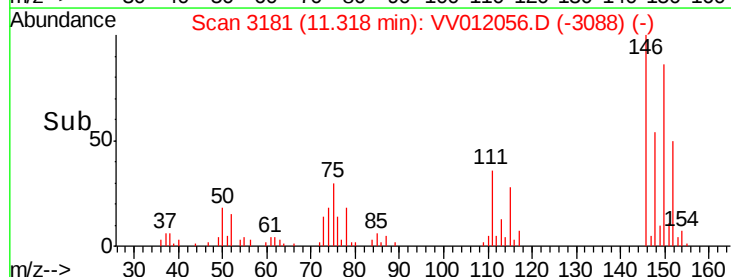
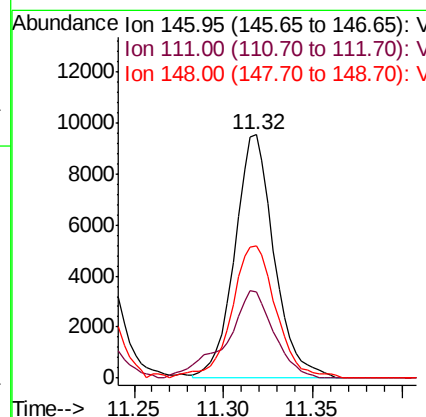
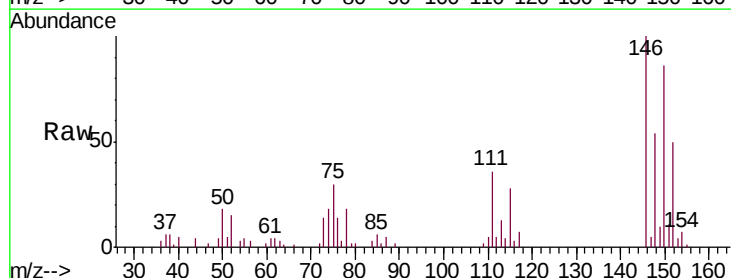
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.5321

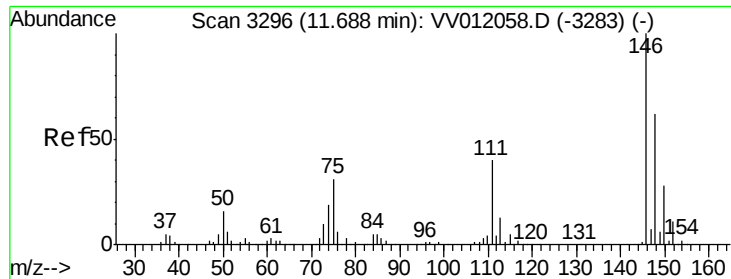
Tgt Ion:146 Resp: 14021
 Ion Ratio Lower Upper
 146 100
 111 41.9 27.2 50.6
 148 65.7 44.5 82.7



#65
 1,4-Dichlorobenzene
 Concen: 0.550 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV012056.D
 Acq: 29 Jul 2019 11:09

Tgt Ion:146 Resp: 14641
 Ion Ratio Lower Upper
 146 100
 111 35.5 25.8 48.0
 148 54.2 43.8 81.3

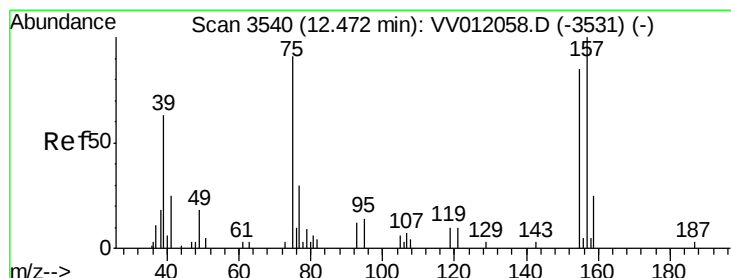
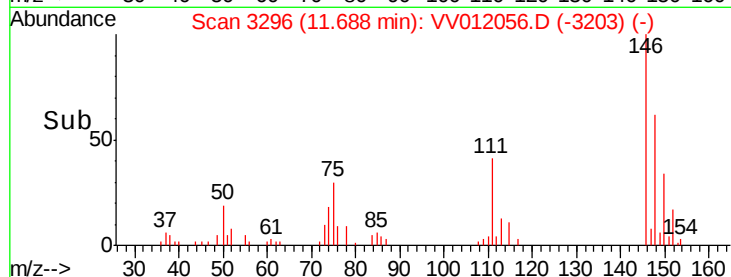
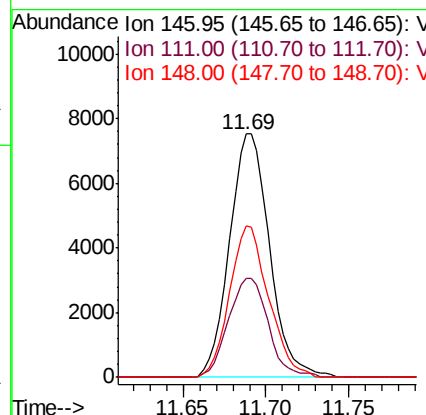
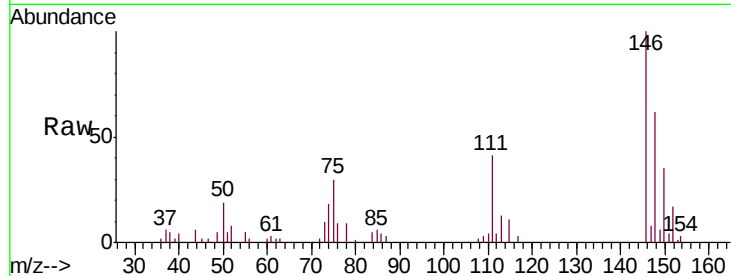




#67
 1,2-Dichlorobenzene
 Concen: 0.532 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. 0.00 min
 Lab File: VV012056.D
 Acq: 29 Jul 2019 11:09

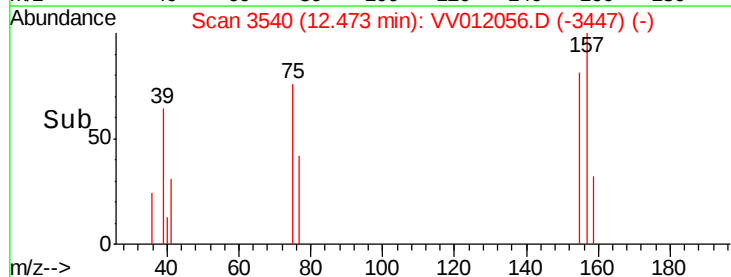
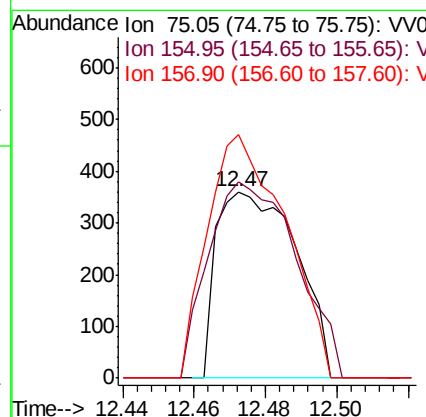
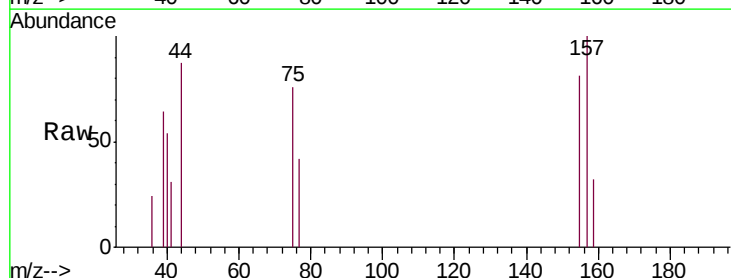
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.5321

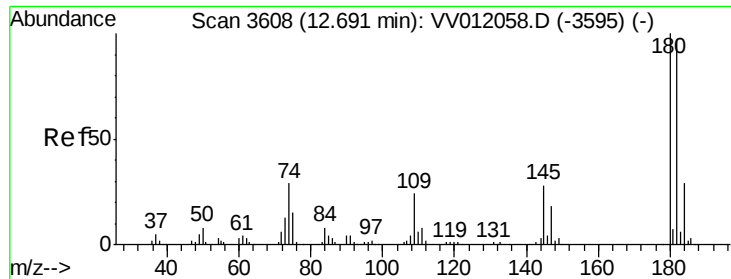
Tgt Ion: 146 Resp: 12627
 Ion Ratio Lower Upper
 146 100
 111 40.7 32.4 48.6
 148 62.0 49.4 74.0



#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.441 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV012056.D
 Acq: 29 Jul 2019 11:09

Tgt Ion: 75 Resp: 557
 Ion Ratio Lower Upper
 75 100
 155 105.6 75.0 112.6
 157 130.8 87.8 131.6

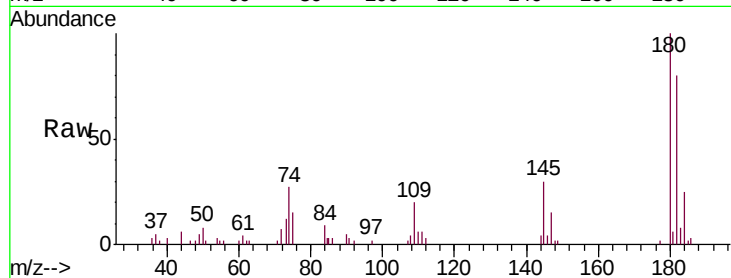




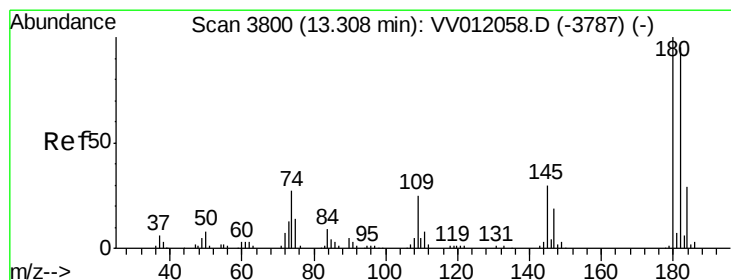
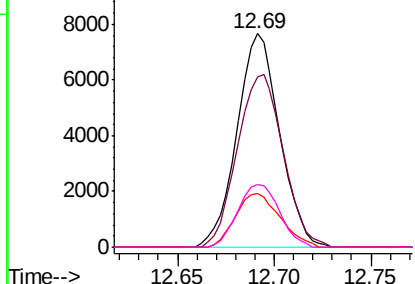
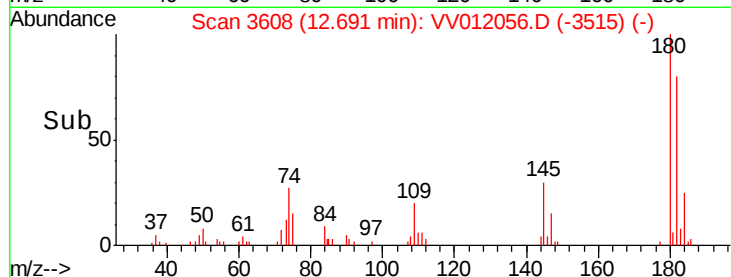
#69
 1,3,5-Trichlorobenzene
 Concen: 0.559 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV012056.D
 Acq: 29 Jul 2019 11:09

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.5321

Tgt Ion:180 Resp: 11756
 Ion Ratio Lower Upper
 180 100
 182 86.8 77.1 115.7
 184 26.2 24.6 36.8
 145 28.9 22.8 34.2

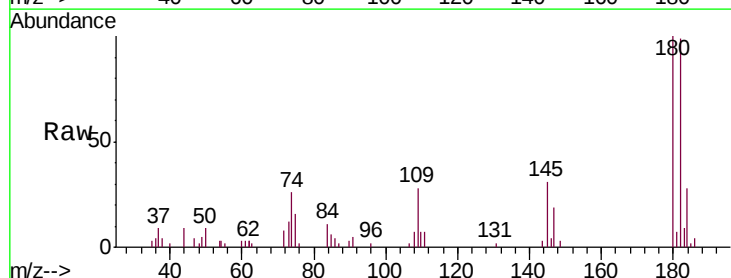


Abundance Ion 180.00 (179.70 to 180.70): V
 12000
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

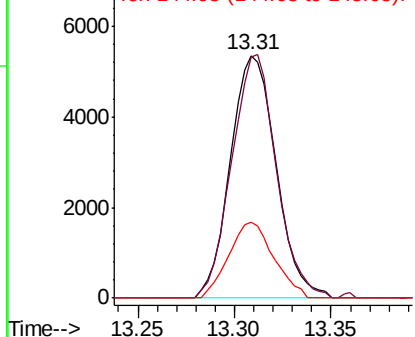
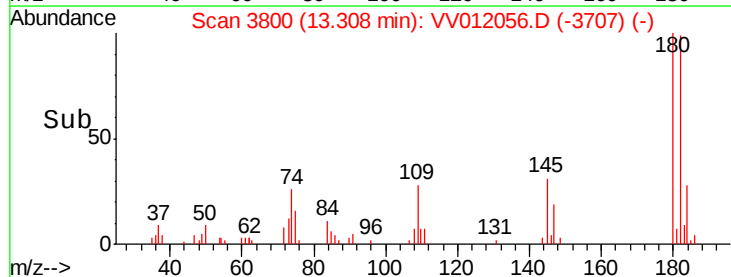


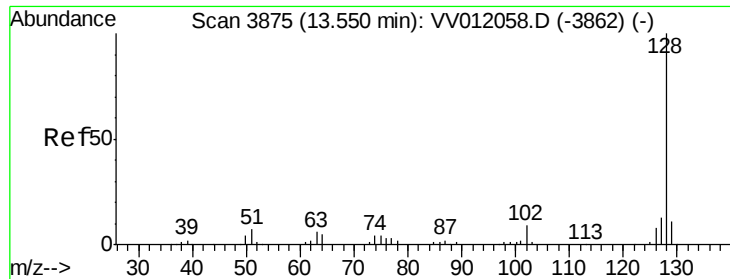
#70
 1,2,4-trichlorobenzene
 Concen: 0.530 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV012056.D
 Acq: 29 Jul 2019 11:09

Tgt Ion:180 Resp: 8805
 Ion Ratio Lower Upper
 180 100
 182 98.2 76.1 114.1
 145 30.7 24.3 36.5



Abundance Ion 179.90 (179.60 to 180.60): V
 6000
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

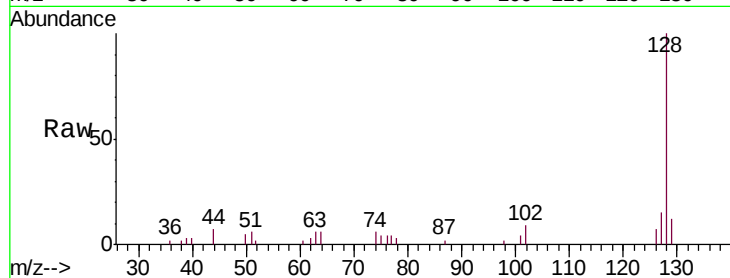




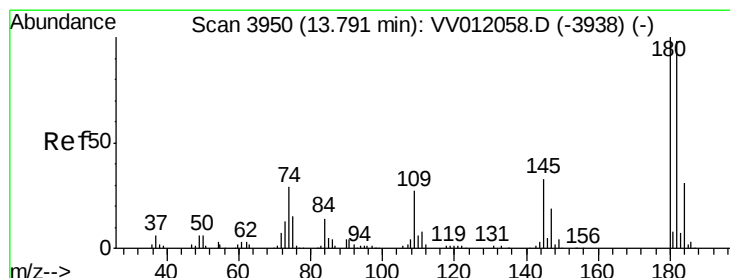
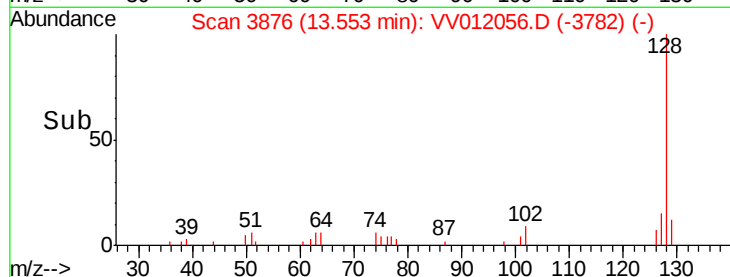
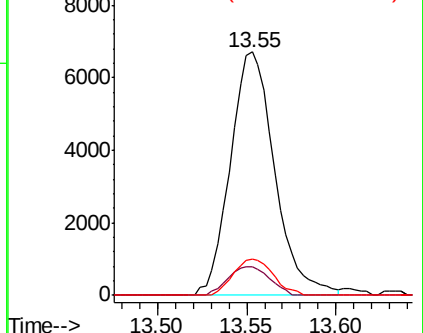
#71
Naphthalene
Concen: 0.518 ug/L
RT: 13.55 min Scan# 3876
Delta R.T. 0.00 min
Lab File: VV012056.D
Acq: 29 Jul 2019 11:09

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5321

Tgt Ion:128 Resp: 11612
Ion Ratio Lower Upper
128 100
129 11.0 9.1 13.7
127 13.4 10.4 15.6

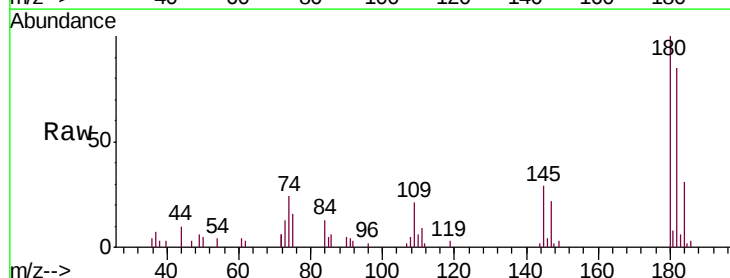


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#72
1,2,3-Trichlorobenzene
Concen: 0.513 ug/L
RT: 13.79 min Scan# 3951
Delta R.T. 0.00 min
Lab File: VV012056.D
Acq: 29 Jul 2019 11:09

Tgt Ion:180 Resp: 7657
Ion Ratio Lower Upper
180 100
182 96.9 78.5 117.7
145 30.8 25.8 38.8



Abundance Ion 179.90 (179.60 to 180.60): V
Ion 181.90 (181.60 to 182.60): V
Ion 144.95 (144.65 to 145.65): V

