

Data File : VV012075.D
Acq On : 30 Jul 2019 17:38
Operator : SY/MD
Sample : VSTD00134
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00134

Quant Time: Jul 31 04:35:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR073119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 31 04:32:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	114276	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	109391	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	59084	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	5652	0.96	ug/L	0.00
7) Chloroethane-d5	1.59	69	4256	0.92	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	11073	0.94	ug/L	0.00
20) 2-Butanone-d5	3.99	46	9731	5.71	ug/L	0.01
24) Chloroform-d	4.40	84	14834	0.96	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	8073	1.00	ug/L	0.00
32) Benzene-d6	5.10	84	27746	0.92	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	7719	0.90	ug/L	0.00
41) Toluene-d8	7.36	98	25214	0.89	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	3056	0.86	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	10872	7.90	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	5644	0.91	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	10698	0.94	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	11744	0.986 ug/L	96
3) Chloromethane	1.25	50	5487	0.828 ug/L	100
5) Vinyl chloride	1.32	62	6137	0.897 ug/L	91
6) Bromomethane	1.54	94	3560	0.870 ug/L	89
8) Chloroethane	1.60	64	3440	0.854 ug/L	93
9) Trichlorofluoromethane	1.77	101	11207	0.873 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	4897	0.850 ug/L	98
12) 1,1-Dichloroethene	2.14	96	4462	0.867 ug/L	89
13) Acetone	2.23	43	7610	8.463 ug/L	65
14) Carbon disulfide	2.32	76	11738	0.807 ug/L	100
15) Methyl Acetate	2.47	43	1031	0.518 ug/L	99
16) Methylene chloride	2.54	84	4728	0.815 ug/L	97
17) Methyl tert-butyl Ether	2.81	73	13994	0.801 ug/L	94
18) trans-1,2-Dichloroethene	2.79	96	6659	0.841 ug/L	87
19) 1,1-Dichloroethane	3.23	63	12053	0.860 ug/L	95
21) 2-Butanone	4.07	43	11469	6.671 ug/L	78
22) cis-1,2-Dichloroethene	3.96	96	6981	0.817 ug/L	96
23) Bromochloromethane	4.30	128	3232	0.909 ug/L #	94
25) Chloroform	4.43	83	15985	0.928 ug/L	99
27) 1,2-Dichloroethane	5.19	62	8711	0.912 ug/L	96
29) 1,1,1-Trichloroethane	4.66	97	12559	0.905 ug/L	96
30) Cyclohexane	4.72	56	9168	0.722 ug/L	98
31) Carbon tetrachloride	4.87	117	10818	0.863 ug/L	99
33) Benzene	5.15	78	24852	0.794 ug/L	100
34) Trichloroethene	5.96	95	7499	0.855 ug/L	94
35) Methylcyclohexane	6.17	83	10598	0.781 ug/L	98
37) 1,2-Dichloropropane	6.22	63	5932	0.795 ug/L #	96
38) Bromodichloromethane	6.56	83	8445	0.834 ug/L	89
39) cis-1,3-Dichloropropene	7.07	75	8464	0.758 ug/L	94
40) 4-Methyl-2-pentanone	7.28	43	30354	7.357 ug/L	99

Data File : VV012075.D
Acq On : 30 Jul 2019 17:38
Operator : SY/MD
Sample : VSTD00134
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00134

Quant Time: Jul 31 04:35:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR073119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 31 04:32:49 2019
Response via : Initial Calibration

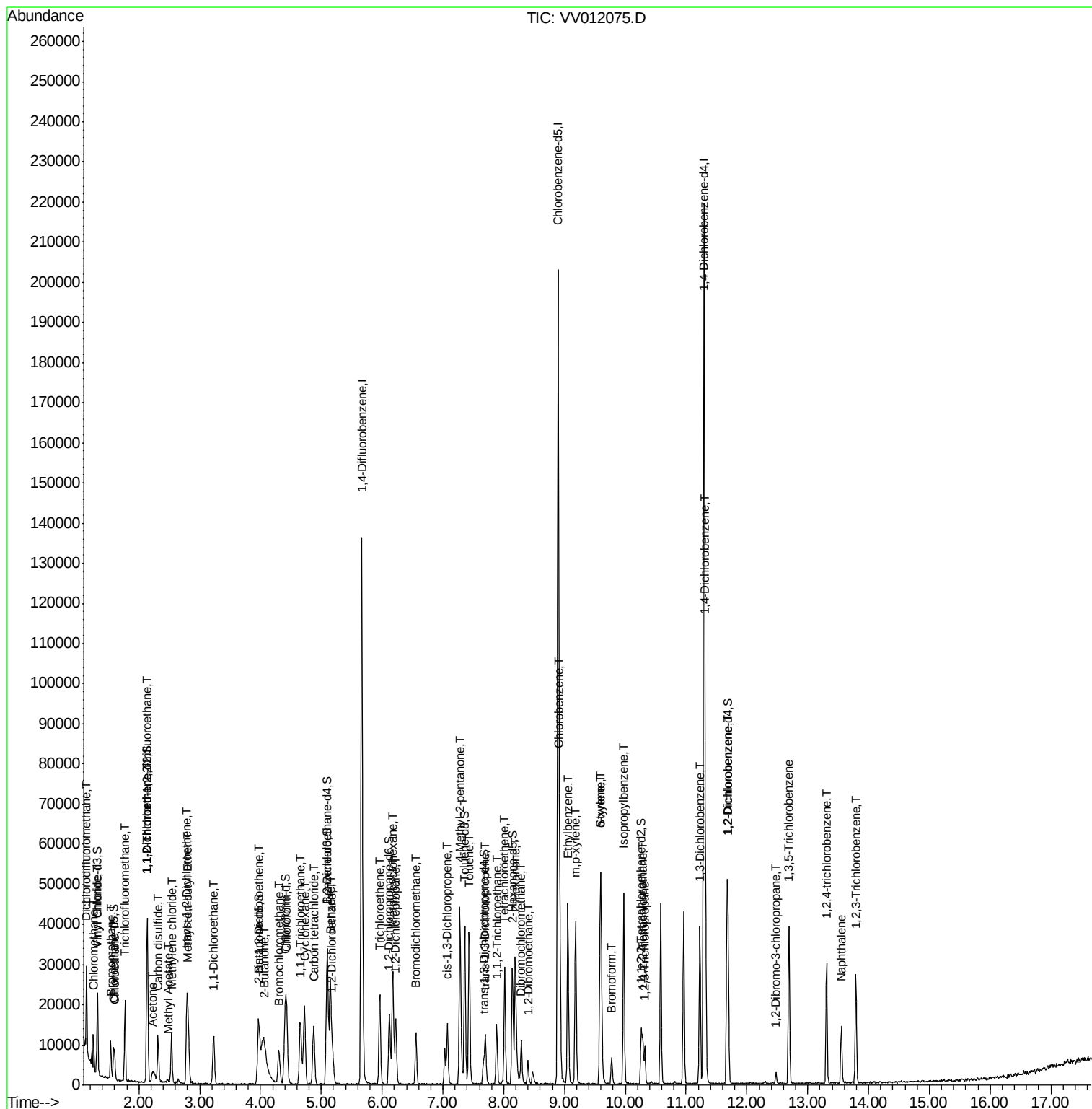
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	26511	0.787	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	6822	0.766	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	4480	0.859	ug/L	94
47) Tetrachloroethene	8.02	164	6643	0.869	ug/L	97
48) 2-Hexanone	8.19	43	21028	7.314	ug/L	93
49) Dibromochloromethane	8.29	129	5190	0.800	ug/L	93
50) 1,2-Dibromoethane	8.40	107	4302	0.870	ug/L #	96
51) Chlorobenzene	8.92	112	19210	0.865	ug/L	96
52) Ethylbenzene	9.05	91	30147	0.783	ug/L	95
53) m,p-xylene	9.18	106	11882	0.813	ug/L	89
54) o-xylene	9.59	106	10502	0.753	ug/L	96
55) Styrene	9.60	104	18508	0.790	ug/L	96
56) Isopropylbenzene	9.97	105	29858	0.769	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.28	83	5039	0.887	ug/L #	90
59) 1,2,3-Trichloropropane	10.32	75	3821	0.876	ug/L	98
61) Bromoform	9.77	173	3100	0.873	ug/L	97
62) 1,3-Dichlorobenzene	11.23	146	16439	0.866	ug/L	95
63) 1,4-Dichlorobenzene	11.32	146	16996	0.870	ug/L	96
65) 1,2-Dichlorobenzene	11.69	146	14727	0.848	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	688	0.673	ug/L #	55
67) 1,3,5-Trichlorobenzene	12.69	180	12595	0.791	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	9795	0.764	ug/L	99
69) Naphthalene	13.55	128	11987	0.634	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	8804	0.761	ug/L	97

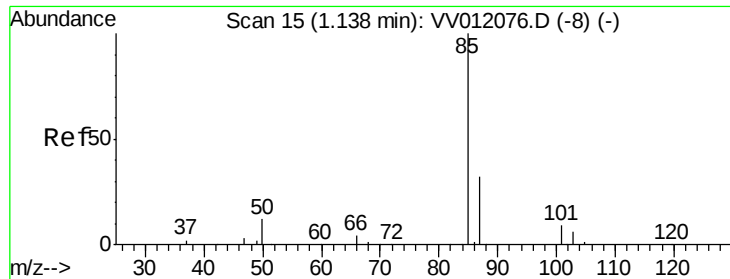
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VV012075.D
Acq On : 30 Jul 2019 17:38
Operator : SY/MD
Sample : VSTD00134
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00134

Quant Time: Jul 31 04:35:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR073119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 31 04:32:49 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.986 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012075.D

Acq: 30 Jul 2019 17:38

Instrument :

MSVOA_V

ClientSampled :

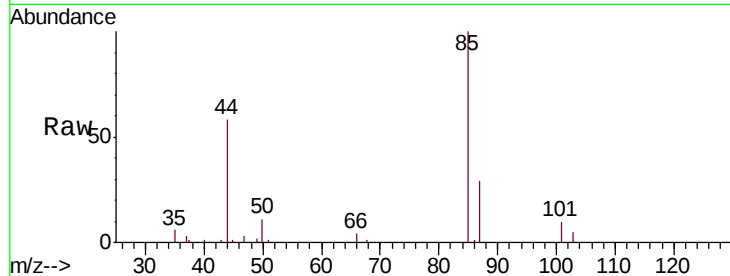
VSTD00134

Tgt Ion: 85 Resp: 11744

Ion Ratio Lower Upper

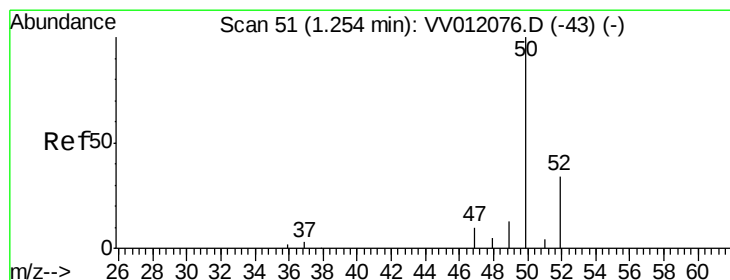
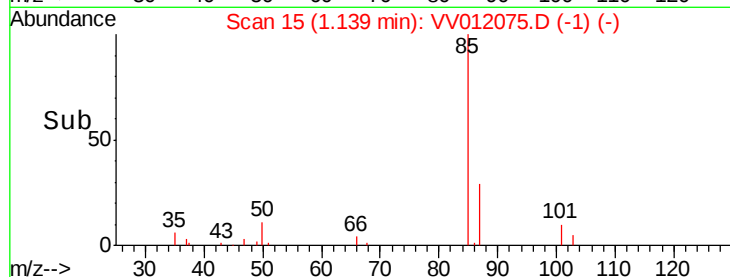
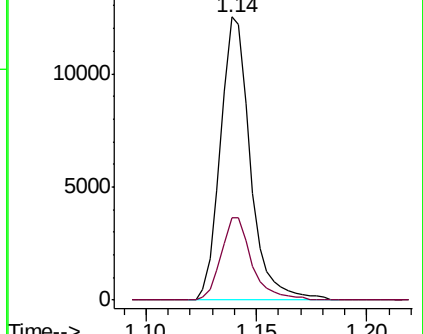
85 100

87 29.9 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV012076.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV012076.D (-8) (-)



#3

Chloromethane

Concen: 0.828 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV012075.D

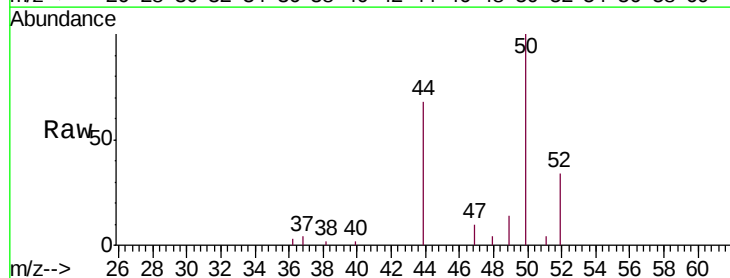
Acq: 30 Jul 2019 17:38

Tgt Ion: 50 Resp: 5487

Ion Ratio Lower Upper

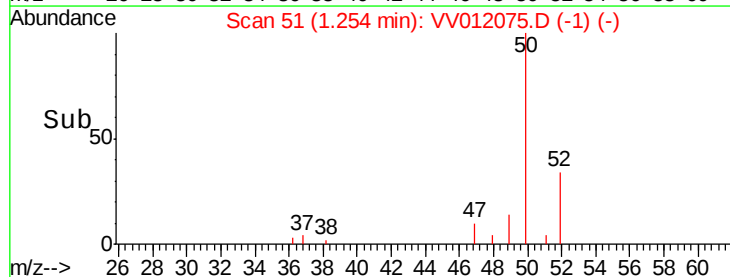
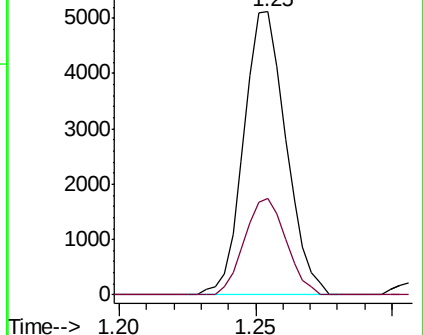
50 100

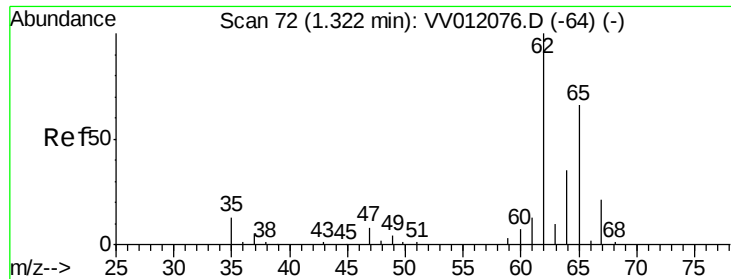
52 34.0 23.7 43.9



Abundance Ion 50.05 (49.75 to 50.75): VV012076.D (-43) (-)

Ion 52.05 (51.75 to 52.75): VV012076.D (-43) (-)





#5

Vinyl chloride

Concen: 0.897 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012075.D

Acq: 30 Jul 2019 17:38

Instrument :

MSVOA_V

ClientSampleId :

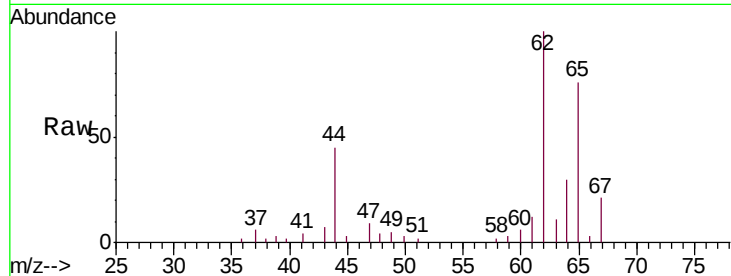
VSTD00134

Tgt Ion: 62 Resp: 6137

Ion Ratio Lower Upper

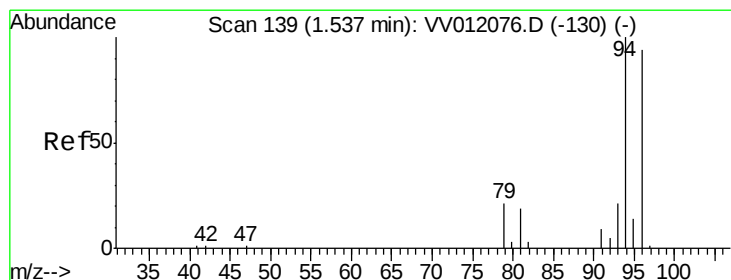
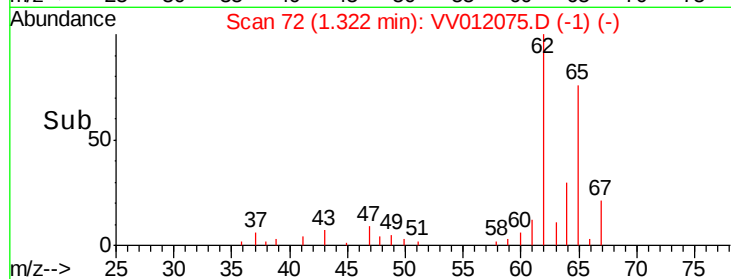
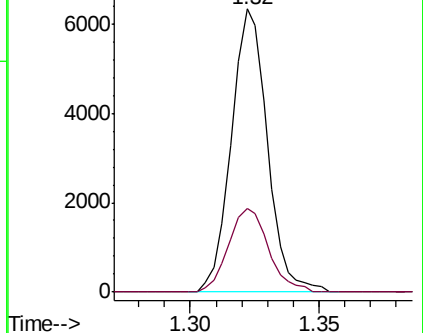
62 100

64 29.7 24.3 45.1



Abundance Ion 62.00 (61.70 to 62.70): VV012076.D (-64) (-)

Ion 64.10 (63.80 to 64.80): VV012076.D (-64) (-)



#6

Bromomethane

Concen: 0.870 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV012075.D

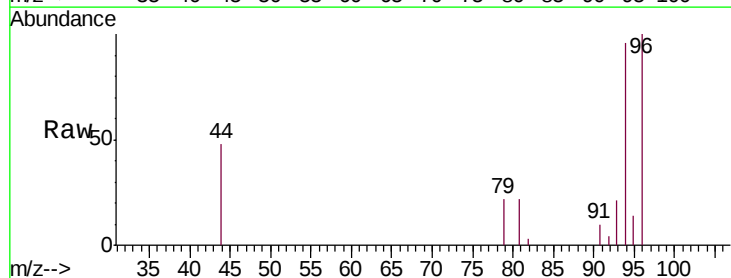
Acq: 30 Jul 2019 17:38

Tgt Ion: 94 Resp: 3560

Ion Ratio Lower Upper

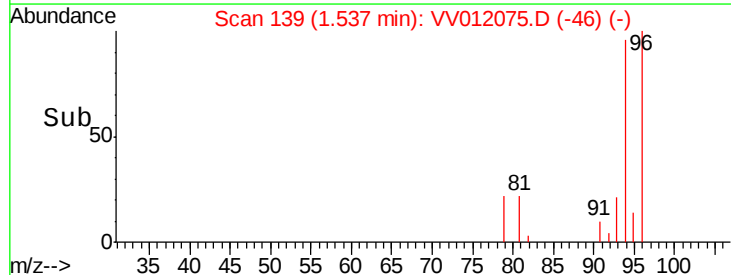
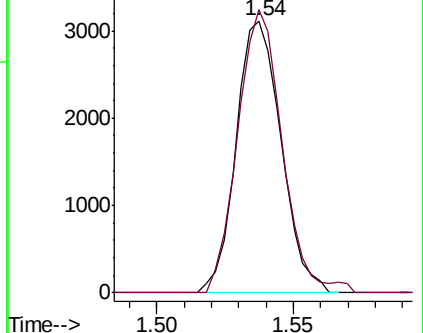
94 100

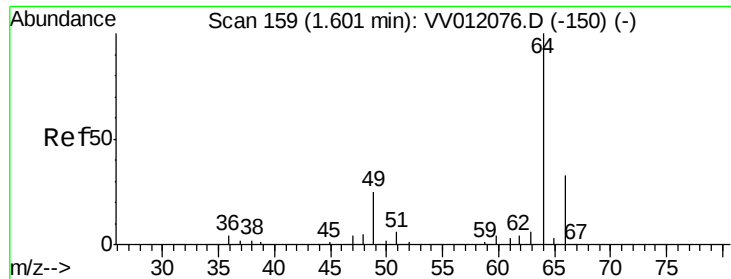
96 104.0 65.6 121.8



Abundance Ion 94.00 (93.70 to 94.70): VV012076.D (-130) (-)

Ion 96.00 (95.70 to 96.70): VV012076.D (-130) (-)





#8

Chloroethane

Concen: 0.854 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV012075.D

Acq: 30 Jul 2019 17:38

Instrument :

MSVOA_V

ClientSampleId :

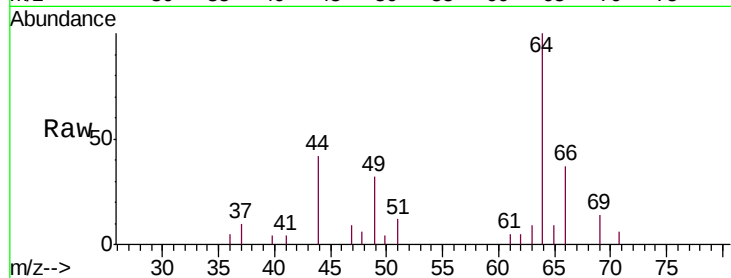
VSTD00134

Tgt Ion: 64 Resp: 3440

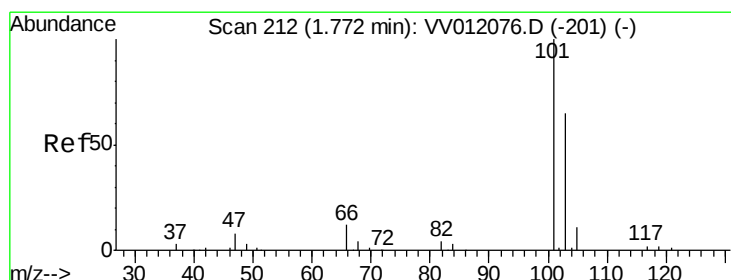
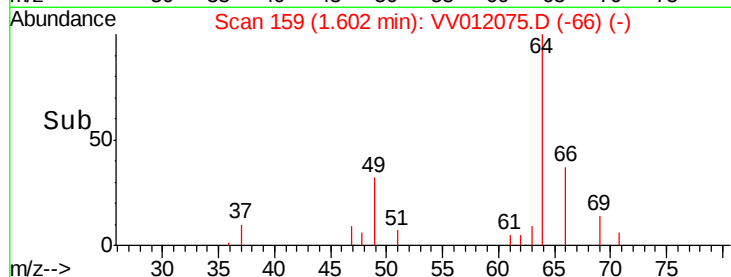
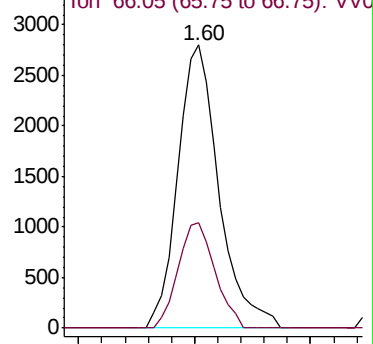
Ion Ratio Lower Upper

64 100

66 37.2 23.1 42.9



Abundance Ion 64.10 (63.80 to 64.80): VV012076.D (-150) (-)



#9

Trichlorofluoromethane

Concen: 0.873 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV012075.D

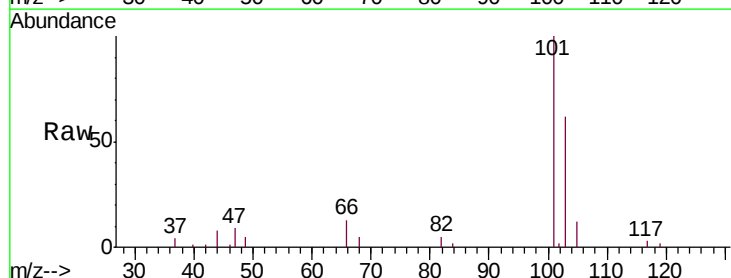
Acq: 30 Jul 2019 17:38

Tgt Ion: 101 Resp: 11207

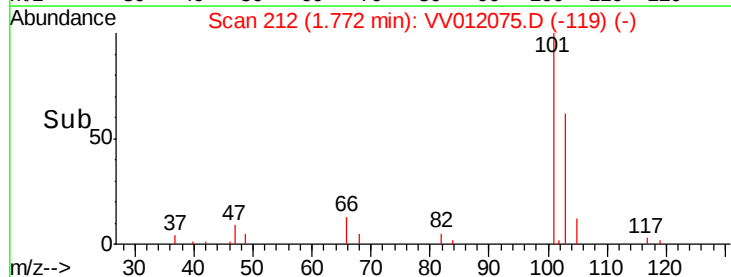
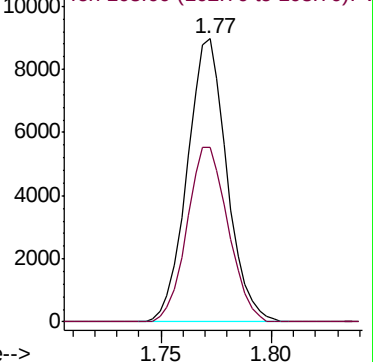
Ion Ratio Lower Upper

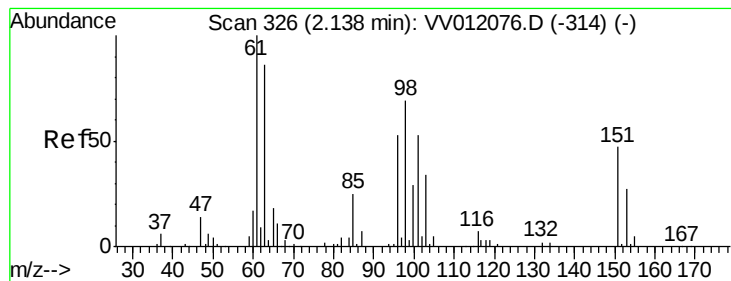
101 100

103 63.9 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VV012076.D (-201) (-)





#10

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

Concen: 0.850 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV012075.D

Acq: 30 Jul 2019 17:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD00134

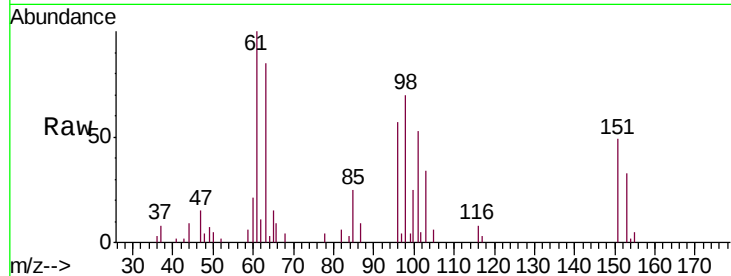
Tgt Ion:101 Resp: 4897

Ion Ratio Lower Upper

101 100

85 47.8 37.4 56.2

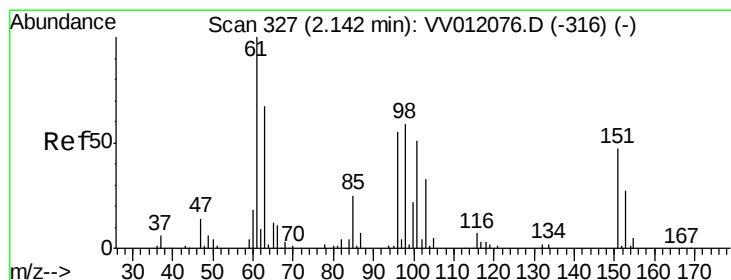
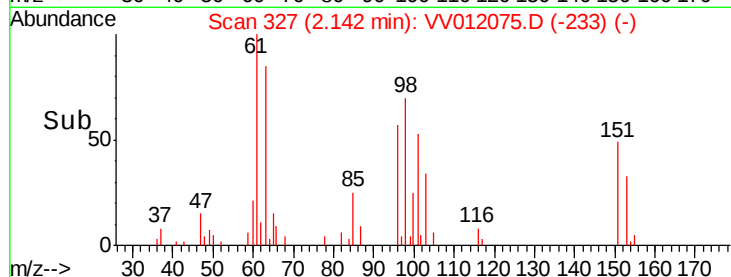
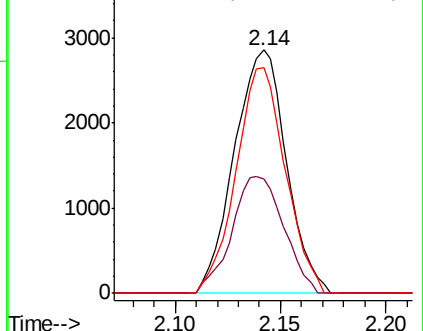
151 88.1 69.1 103.7



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: 0.867 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV012075.D

Acq: 30 Jul 2019 17:38

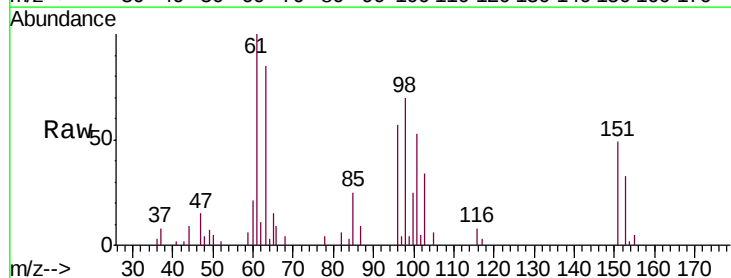
Tgt Ion: 96 Resp: 4462

Ion Ratio Lower Upper

96 100

61 176.3 126.9 235.7

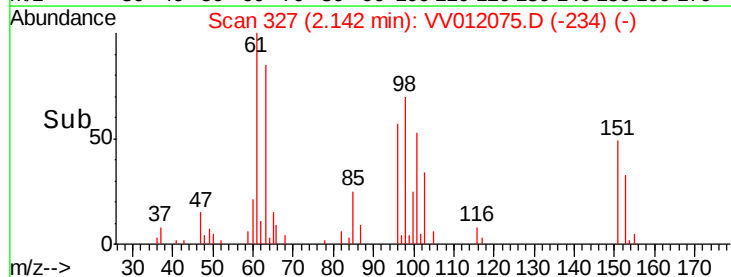
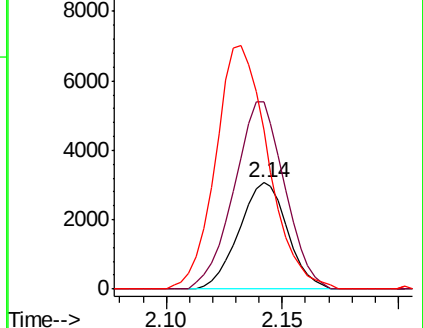
63 150.4 87.6 162.8

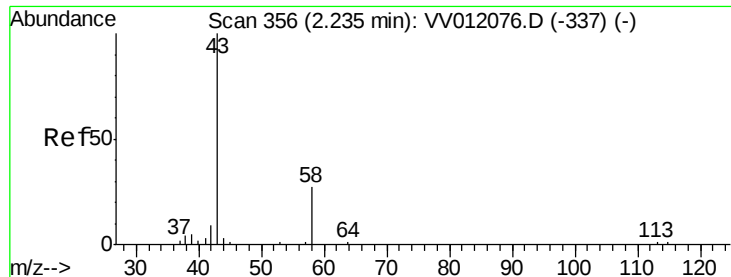


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 8.463 ug/L

RT: 2.23 min Scan# 355

Delta R.T. -0.00 min

Lab File: VV012075.D

Acq: 30 Jul 2019 17:38

Instrument :

MSVOA_V

ClientSampleId :

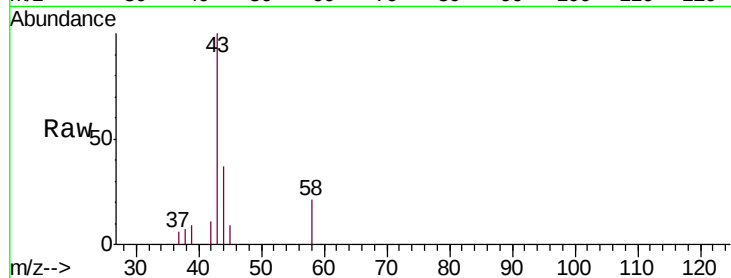
VSTD00134

Tgt Ion: 43 Resp: 7610

Ion Ratio Lower Upper

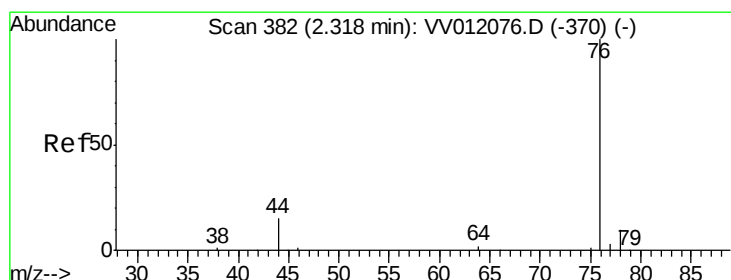
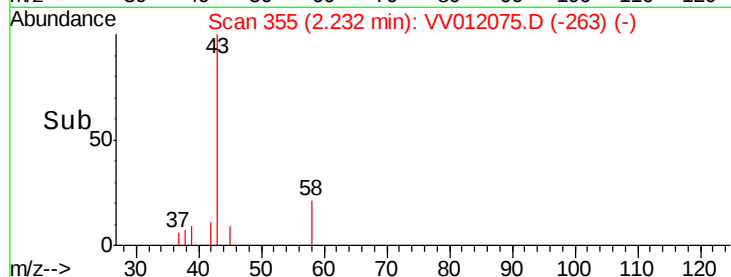
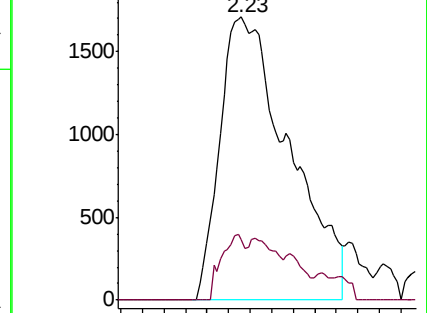
43 100

58 7.7 0.0 51.0



Abundance Ion 43.05 (42.75 to 43.75): VV012076.D (-337) (-)

Ion 58.05 (57.75 to 58.75): VV012076.D (-337) (-)



#14

Carbon disulfide

Concen: 0.807 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV012075.D

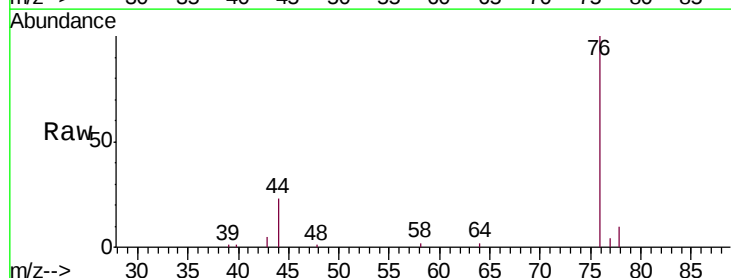
Acq: 30 Jul 2019 17:38

Tgt Ion: 76 Resp: 11738

Ion Ratio Lower Upper

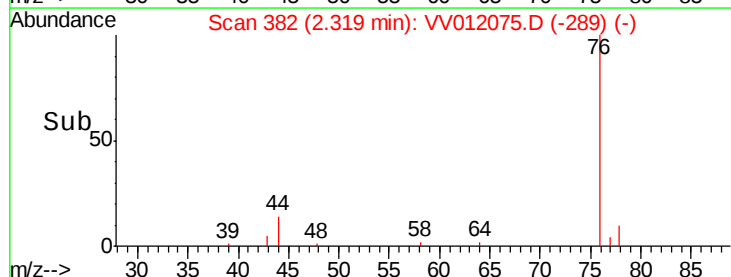
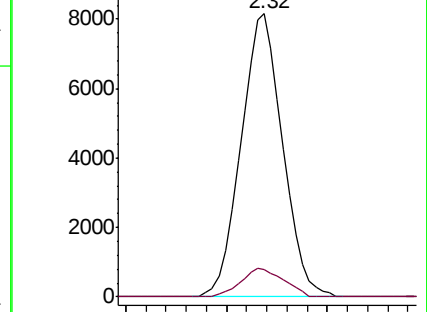
76 100

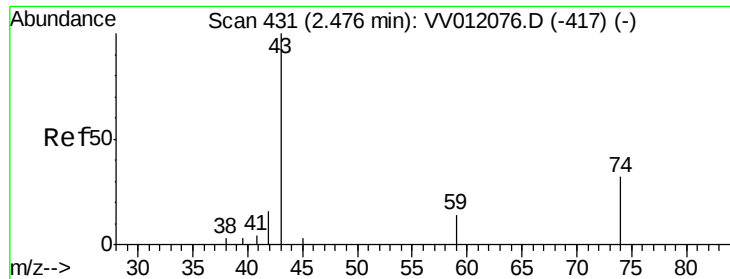
78 9.9 7.9 11.9



Abundance Ion 76.05 (75.75 to 76.75): VV012076.D (-370) (-)

Ion 78.00 (77.70 to 78.70): VV012076.D (-370) (-)

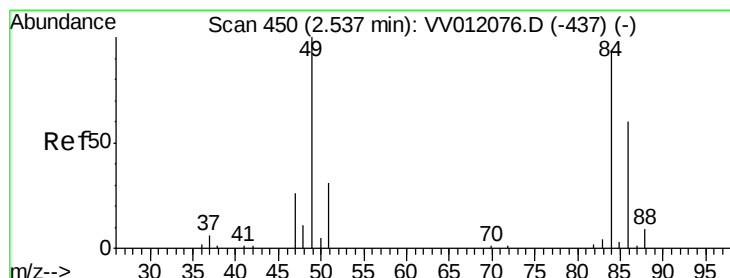
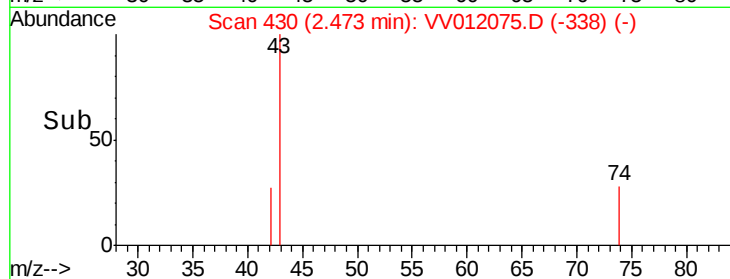
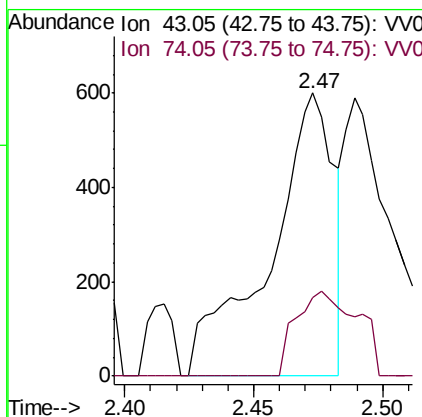
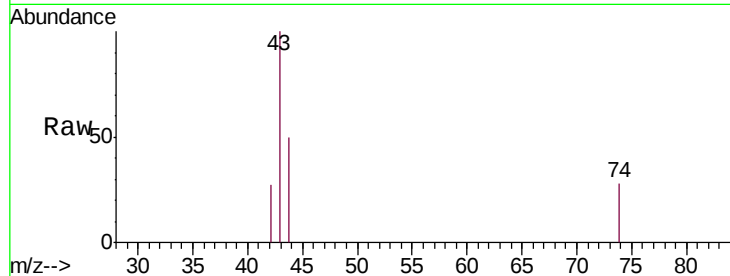




#15
Methyl Acetate
Concen: 0.518 ug/L
RT: 2.47 min Scan# 430
Delta R.T. -0.00 min
Lab File: VV012075.D
Acq: 30 Jul 2019 17:38

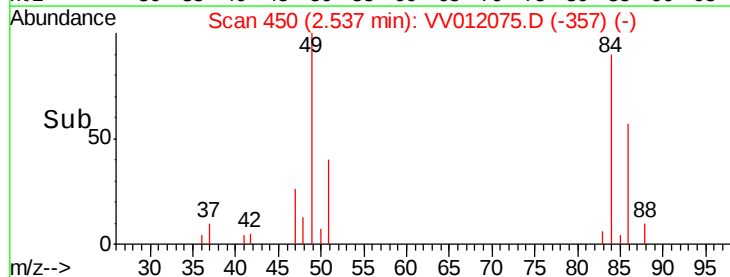
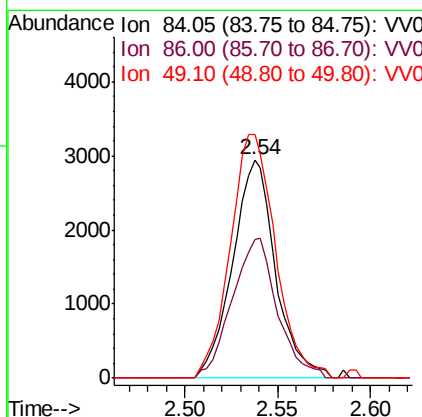
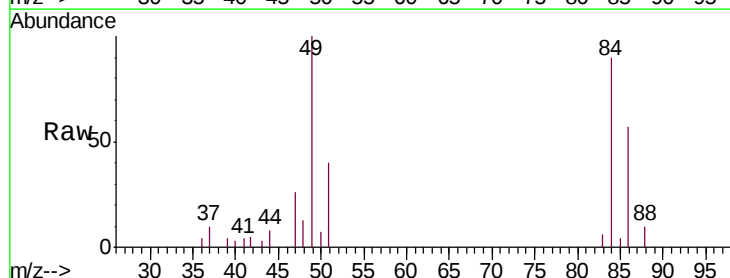
Instrument :
MSVOA_V
ClientSampleId :
VSTD00134

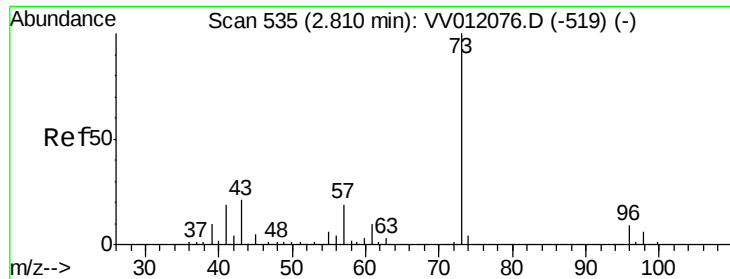
Tgt Ion: 43 Resp: 1031
Ion Ratio Lower Upper
43 100
74 28.8 23.4 35.0



#16
Methylene chloride
Concen: 0.815 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV012075.D
Acq: 30 Jul 2019 17:38

Tgt Ion: 84 Resp: 4728
Ion Ratio Lower Upper
84 100
86 63.8 45.0 83.6
49 111.6 74.4 138.2

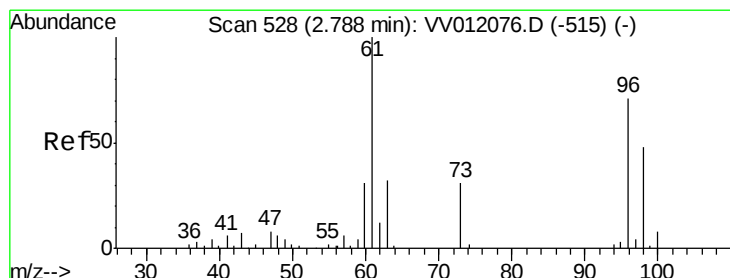
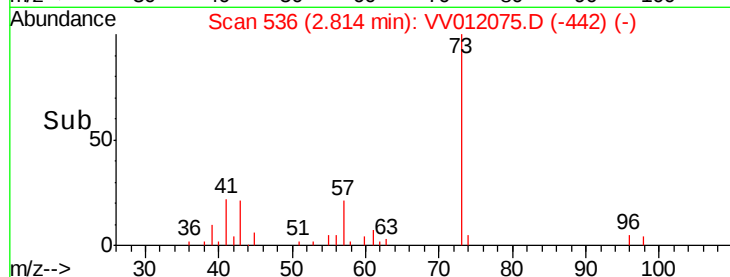
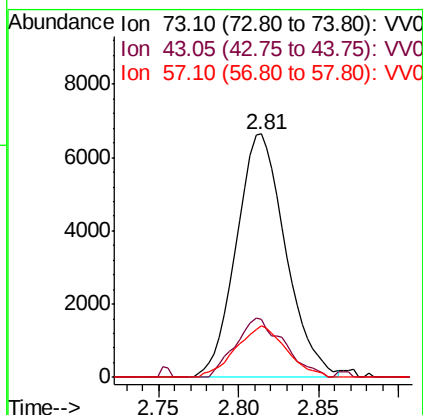
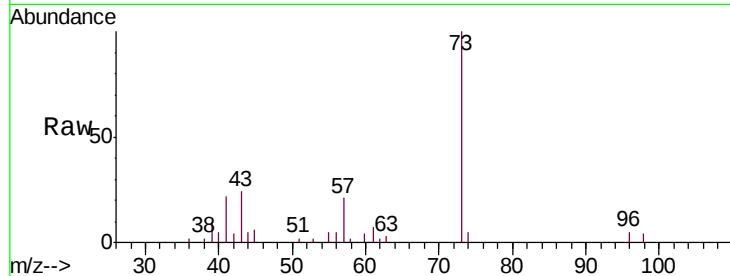




#17
Methyl tert-butyl Ether
Concen: 0.801 ug/L
RT: 2.81 min Scan# 536
Delta R.T. 0.00 min
Lab File: VV012075.D
Acq: 30 Jul 2019 17:38

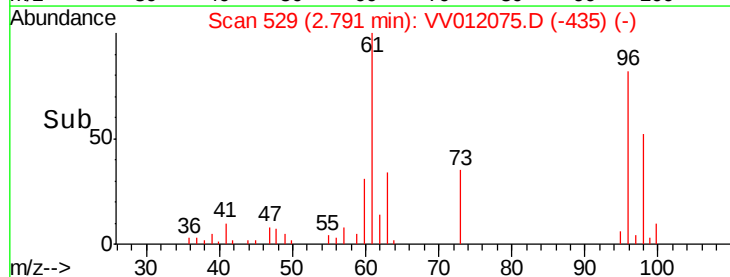
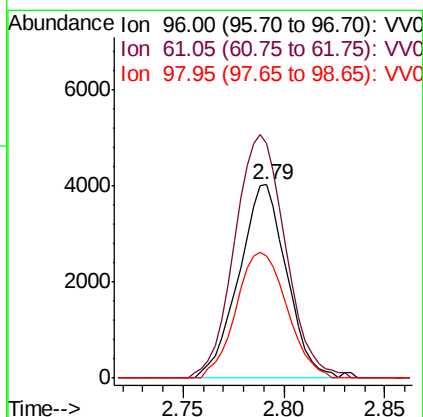
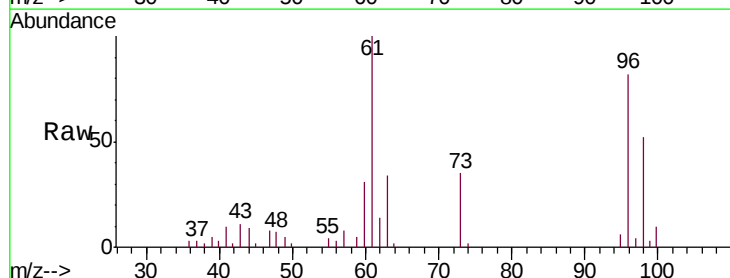
Instrument :
MSVOA_V
ClientSampleId :
VSTD00134

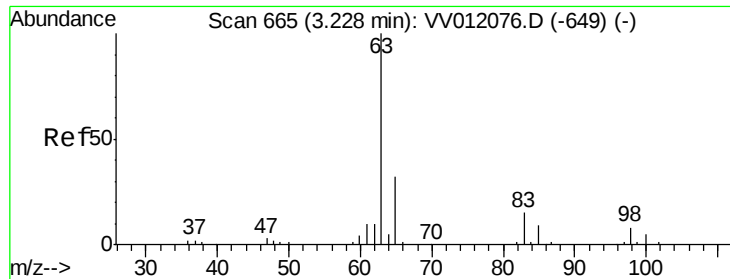
Tgt Ion: 73 Resp: 13994
Ion Ratio Lower Upper
73 100
43 23.9 17.2 25.8
57 21.6 15.1 22.7



#18
trans-1,2-Dichloroethene
Concen: 0.841 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV012075.D
Acq: 30 Jul 2019 17:38

Tgt Ion: 96 Resp: 6659
Ion Ratio Lower Upper
96 100
61 121.4 99.0 184.0
98 63.3 47.9 88.9

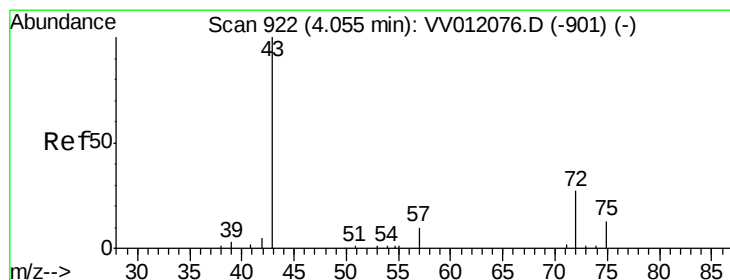
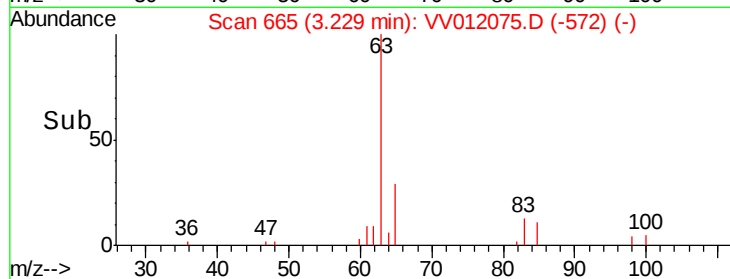
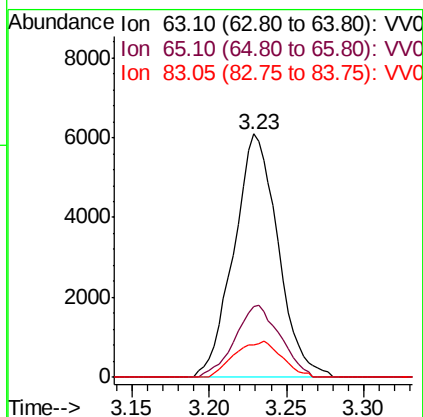
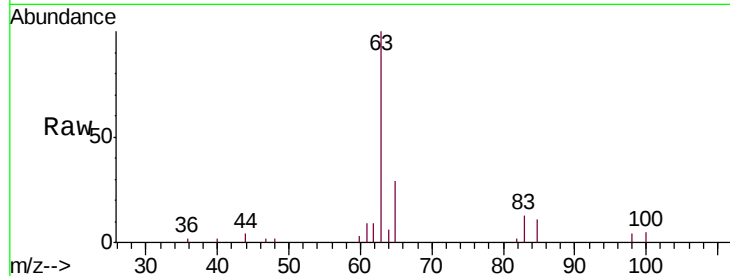




#19
 1,1-Dichloroethane
 Concen: 0.860 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV012075.D
 Acq: 30 Jul 2019 17:38

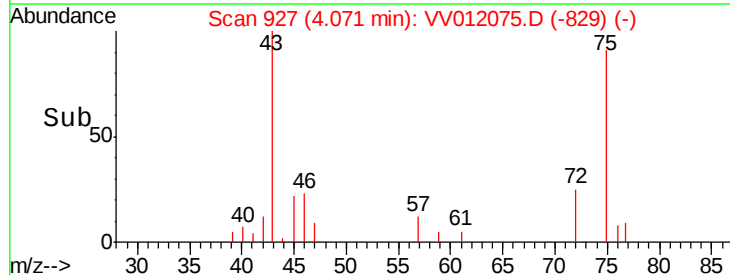
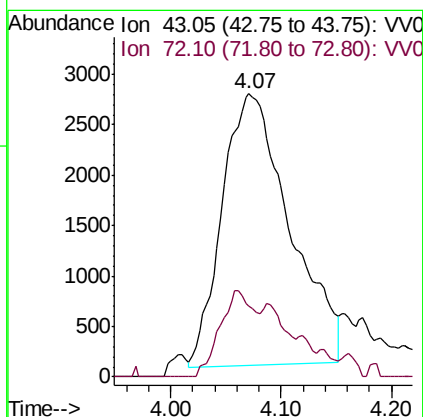
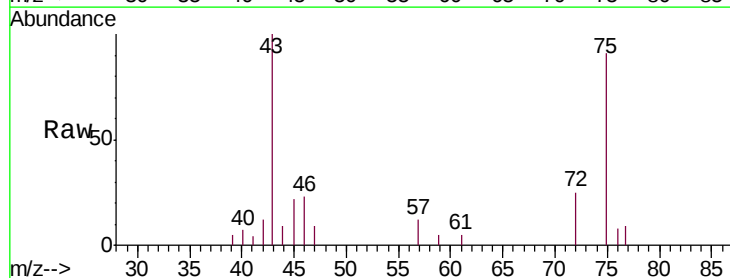
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00134

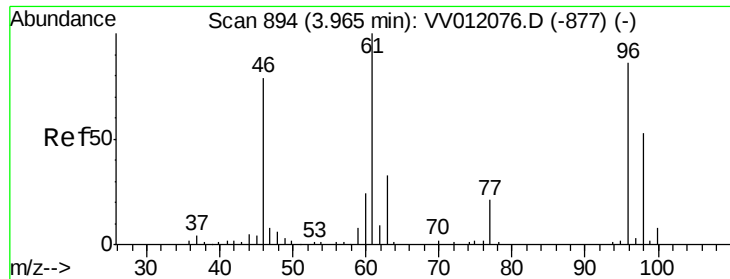
Tgt Ion: 63 Resp: 12053
 Ion Ratio Lower Upper
 63 100
 65 29.0 22.3 41.3
 83 13.1 10.4 19.2



#21
 2-Butanone
 Concen: 6.671 ug/L
 RT: 4.07 min Scan# 927
 Delta R.T. 0.02 min
 Lab File: VV012075.D
 Acq: 30 Jul 2019 17:38

Tgt Ion: 43 Resp: 11469
 Ion Ratio Lower Upper
 43 100
 72 16.4 14.0 42.0

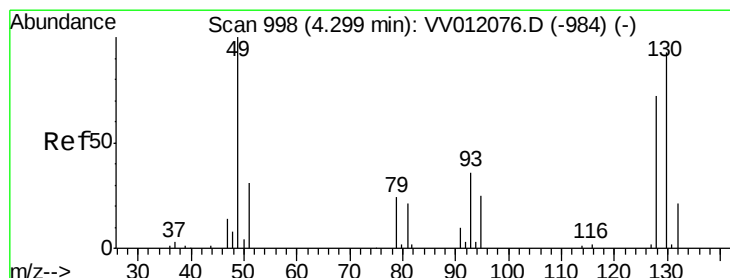
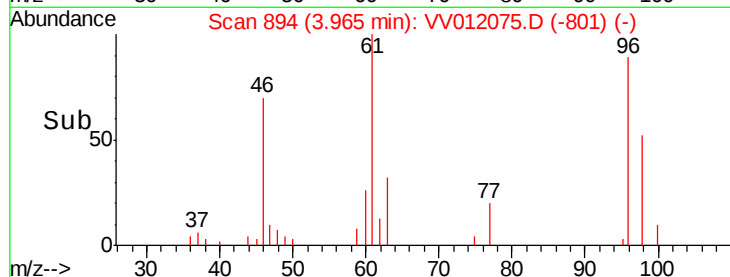
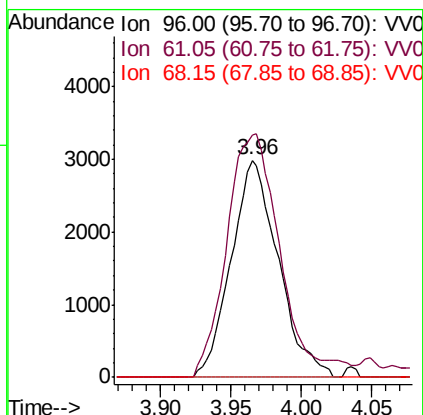
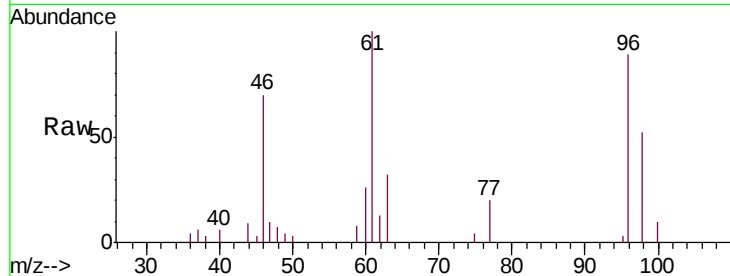




#22
 cis-1,2-Dichloroethene
 Concen: 0.817 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.00 min
 Lab File: VV012075.D
 Acq: 30 Jul 2019 17:38

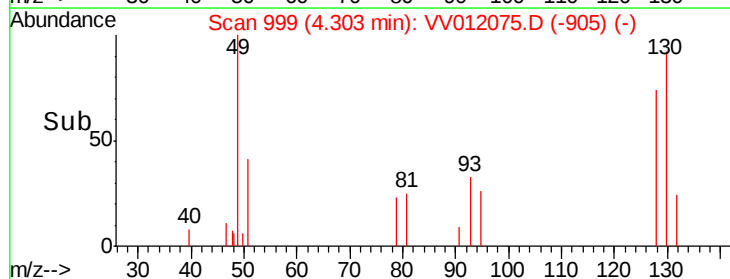
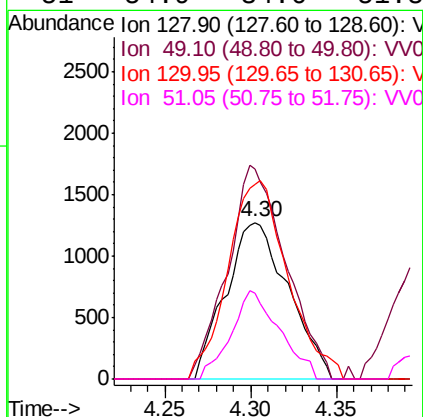
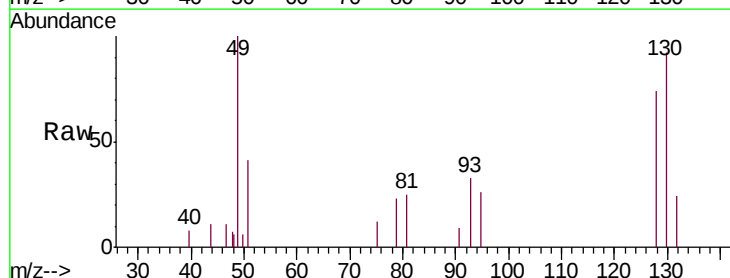
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00134

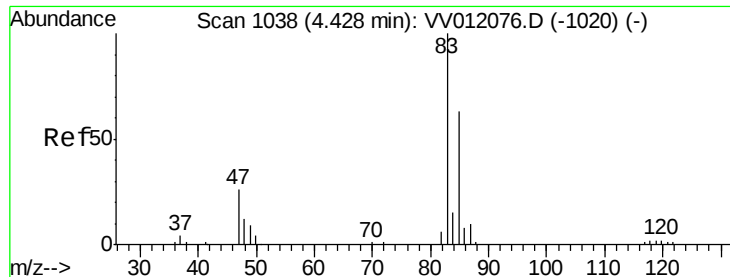
Tgt Ion: 96 Resp: 6981
 Ion Ratio Lower Upper
 96 100
 61 111.8 81.5 151.5
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 0.909 ug/L
 RT: 4.30 min Scan# 999
 Delta R.T. 0.00 min
 Lab File: VV012075.D
 Acq: 30 Jul 2019 17:38

Tgt Ion: 128 Resp: 3232
 Ion Ratio Lower Upper
 128 100
 49 142.5 97.9 181.7
 130 124.1 90.9 168.9
 51 54.9 34.6 51.8#

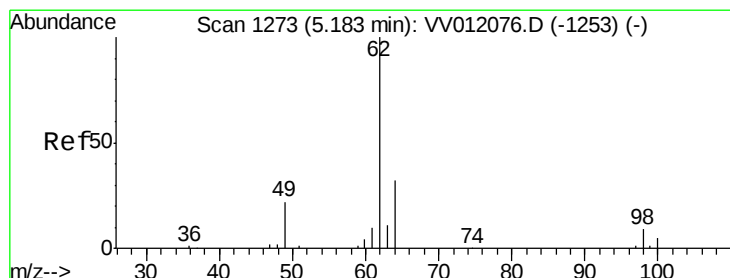
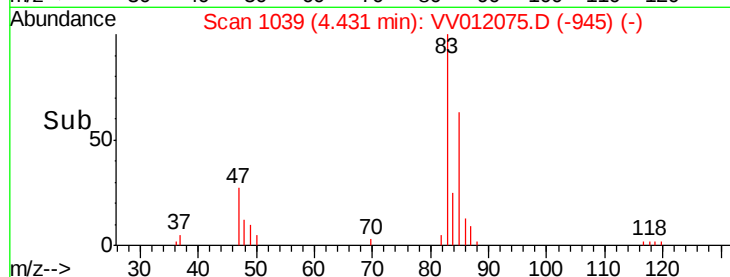
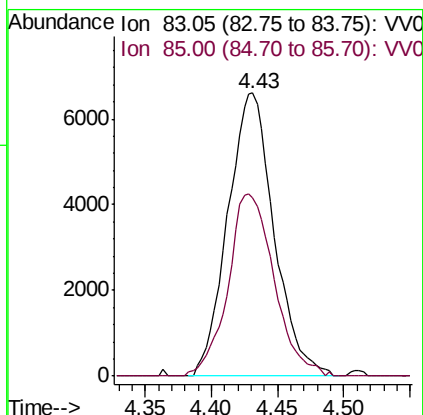
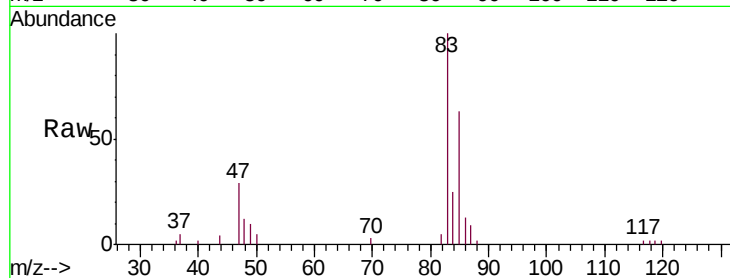




#25
Chloroform
Concen: 0.928 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VV012075.D
Acq: 30 Jul 2019 17:38

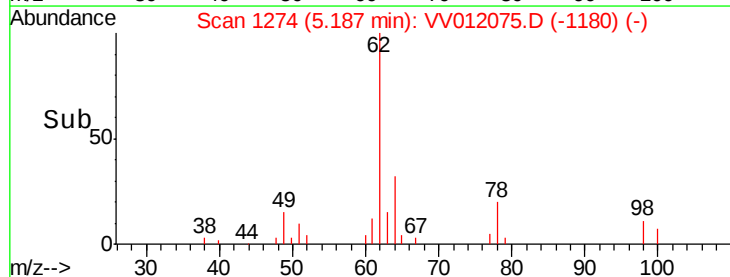
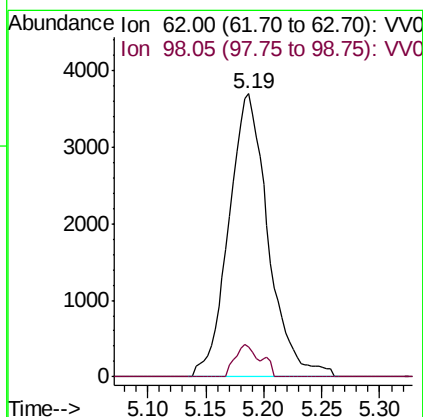
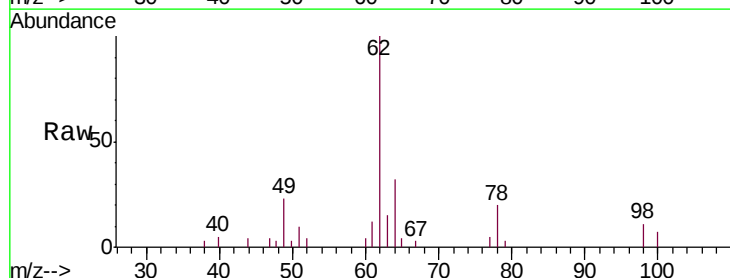
Instrument :
MSVOA_V
ClientSampleId :
VSTD00134

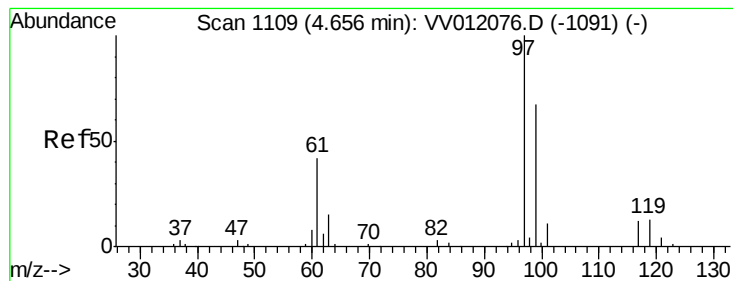
Tgt Ion: 83 Resp: 15985
Ion Ratio Lower Upper
83 100
85 63.0 44.7 83.1



#27
1,2-Dichloroethane
Concen: 0.912 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. 0.00 min
Lab File: VV012075.D
Acq: 30 Jul 2019 17:38

Tgt Ion: 62 Resp: 8711
Ion Ratio Lower Upper
62 100
98 10.5 7.3 10.9





#29

1,1,1-Trichloroethane

Concen: 0.905 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VV012075.D

Acq: 30 Jul 2019 17:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD00134

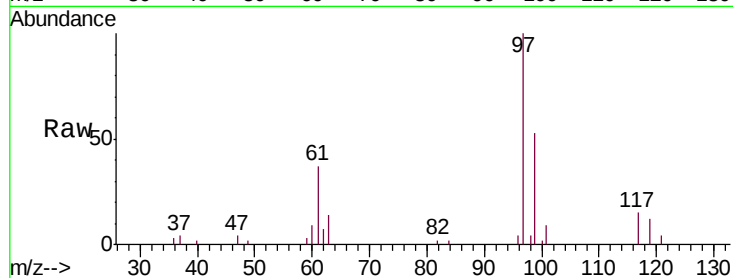
Tgt Ion: 97 Resp: 12559

Ion Ratio Lower Upper

97 100

99 59.9 51.7 77.5

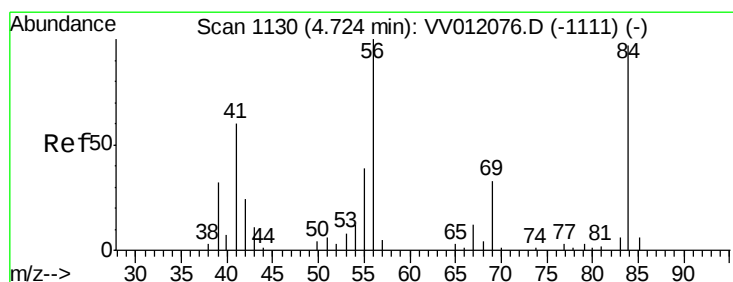
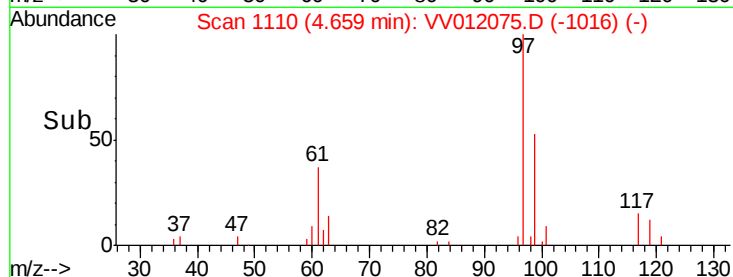
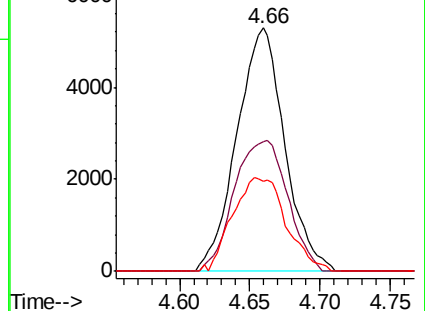
61 43.0 34.2 51.2



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 0.722 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VV012075.D

Acq: 30 Jul 2019 17:38

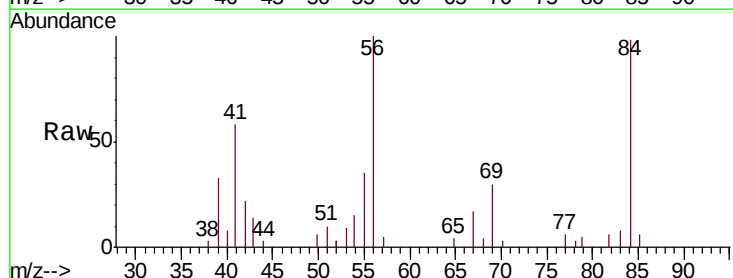
Tgt Ion: 56 Resp: 9168

Ion Ratio Lower Upper

56 100

69 34.1 26.0 39.0

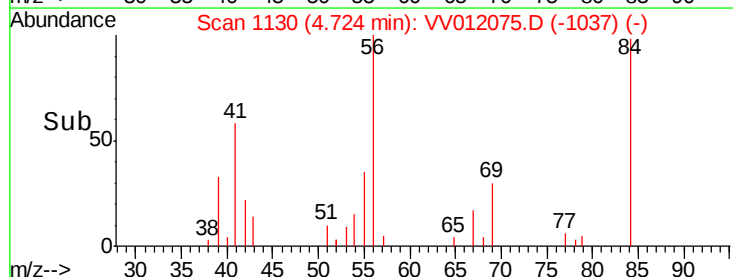
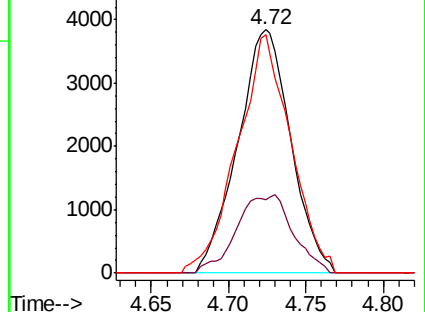
84 98.4 79.9 119.9

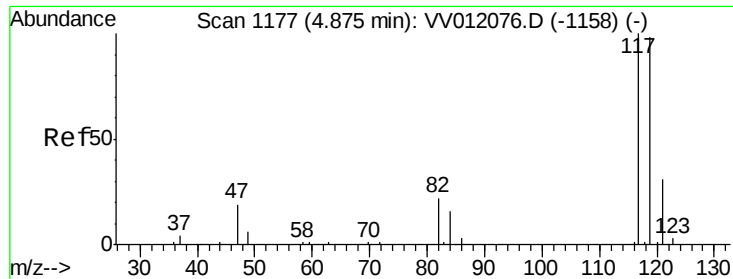


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 0.863 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV012075.D

Acq: 30 Jul 2019 17:38

Instrument :

MSVOA_V

ClientSampled :

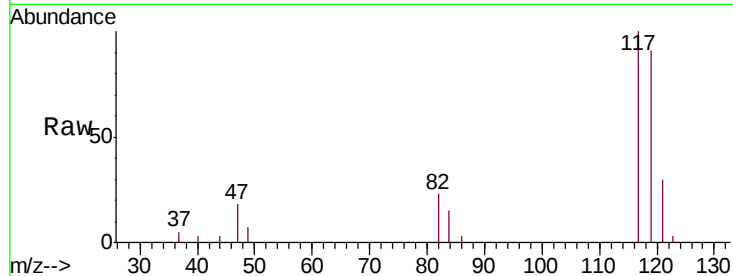
VSTD00134

Tgt Ion:117 Resp: 10818

Ion Ratio Lower Upper

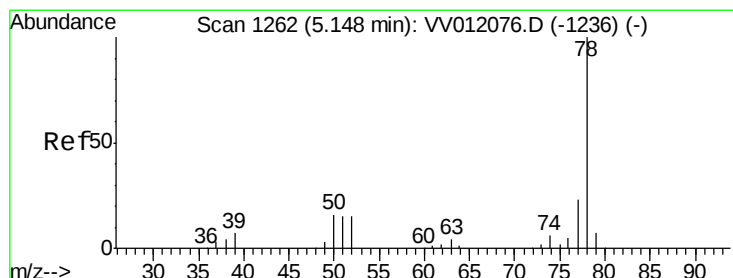
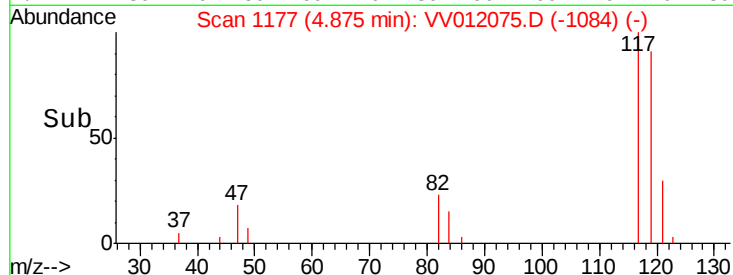
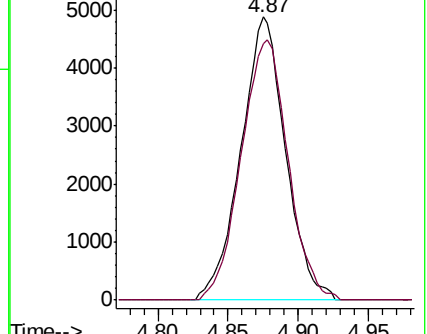
117 100

119 96.3 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: 0.794 ug/L

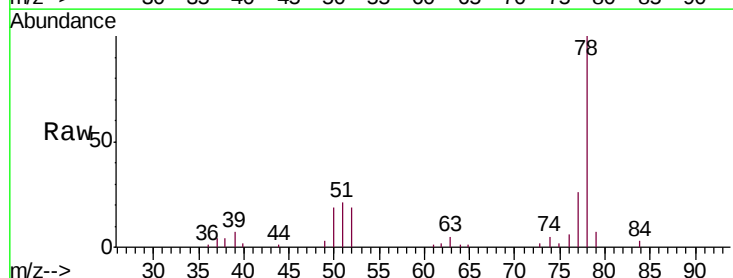
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

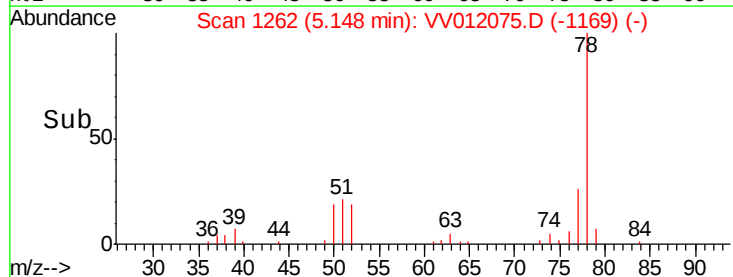
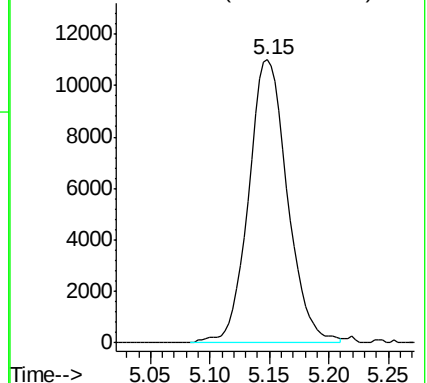
Lab File: VV012075.D

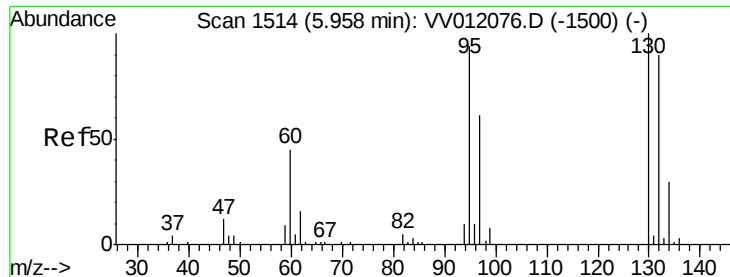
Acq: 30 Jul 2019 17:38

Tgt Ion: 78 Resp: 24852



Abundance Ion 78.10 (77.80 to 78.80): VV0

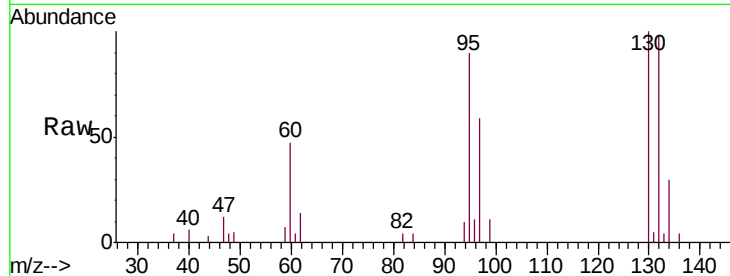




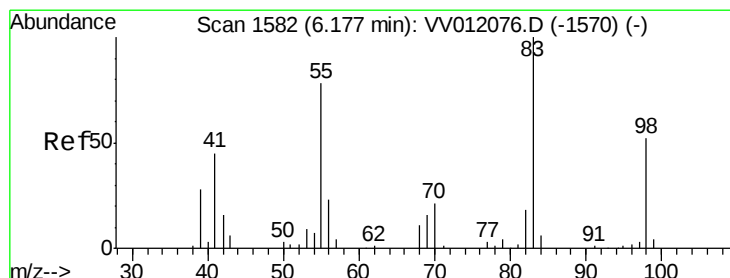
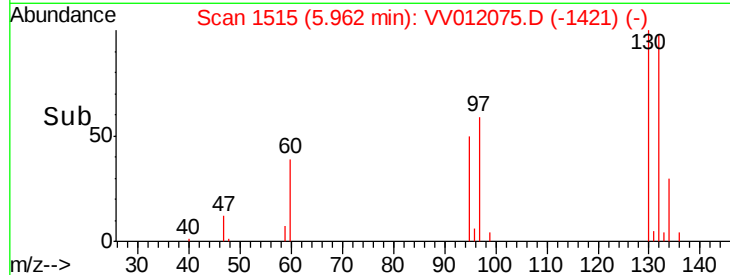
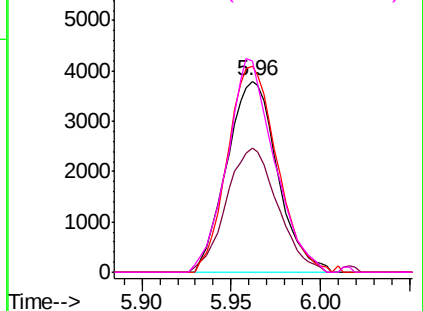
#34
 Trichloroethene
 Concen: 0.855 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. 0.00 min
 Lab File: VV012075.D
 Acq: 30 Jul 2019 17:38

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00134

Tgt Ion: 95 Resp: 7499
 Ion Ratio Lower Upper
 95 100
 97 65.0 45.4 84.2
 132 107.9 67.0 124.4
 130 110.7 74.3 137.9

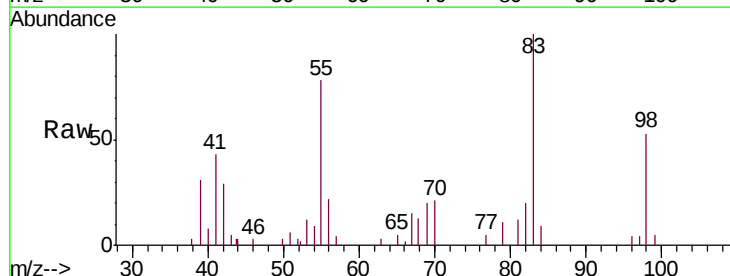


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

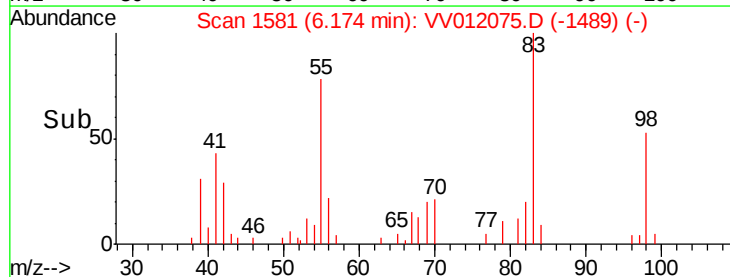
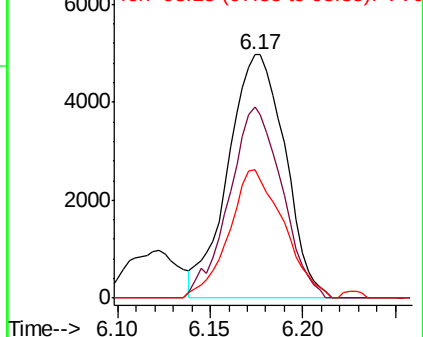


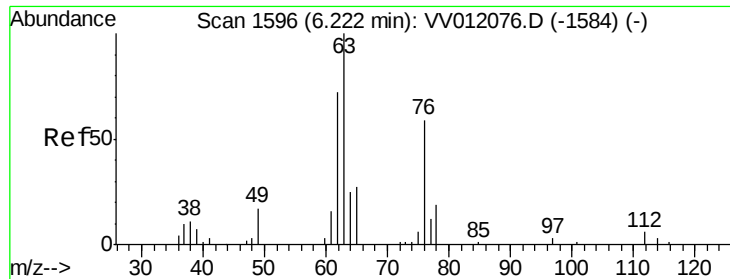
#35
 Methylcyclohexane
 Concen: 0.781 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VV012075.D
 Acq: 30 Jul 2019 17:38

Tgt Ion: 83 Resp: 10598
 Ion Ratio Lower Upper
 83 100
 55 72.8 59.9 89.9
 98 50.6 40.8 61.2



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

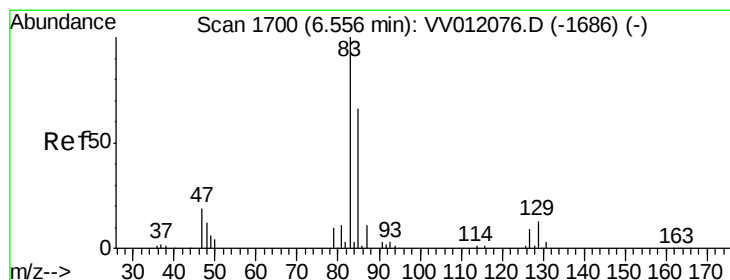
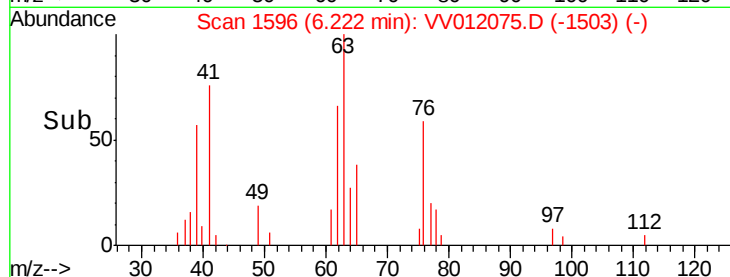
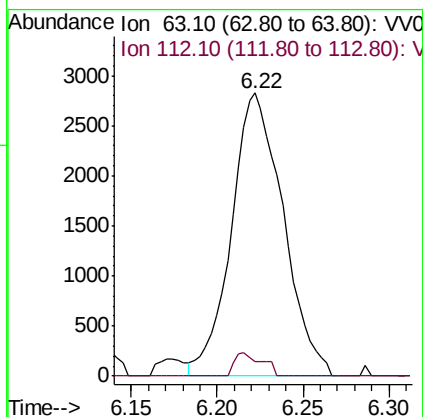
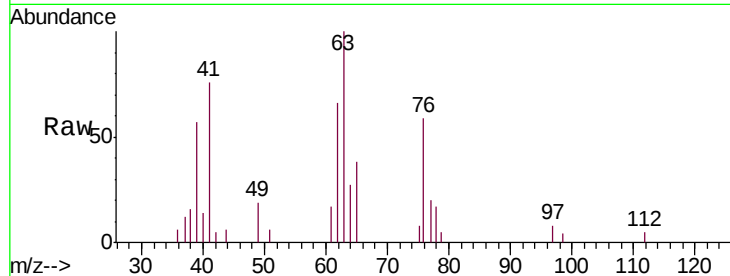




#37
 1,2-Dichloropropane
 Concen: 0.795 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VV012075.D
 Acq: 30 Jul 2019 17:38

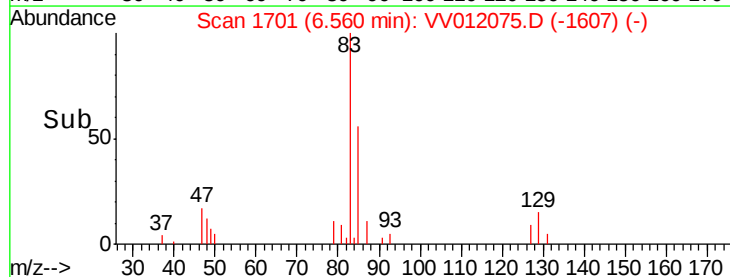
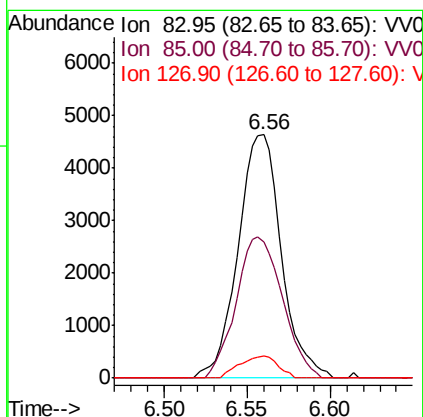
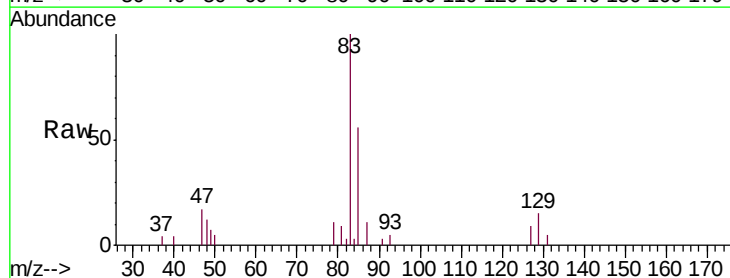
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00134

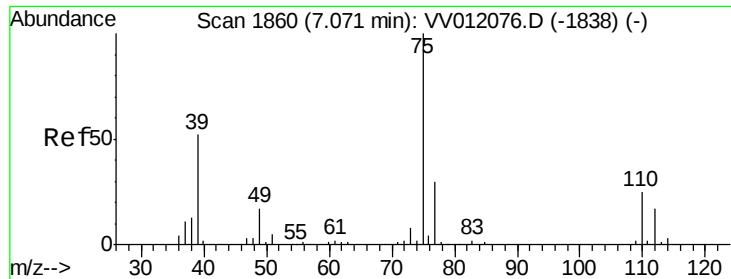
Tgt Ion: 63 Resp: 5932
 Ion Ratio Lower Upper
 63 100
 112 4.4 4.7 7.1#



#38
 Bromodichloromethane
 Concen: 0.834 ug/L
 RT: 6.56 min Scan# 1701
 Delta R.T. 0.00 min
 Lab File: VV012075.D
 Acq: 30 Jul 2019 17:38

Tgt Ion: 83 Resp: 8445
 Ion Ratio Lower Upper
 83 100
 85 55.7 46.2 85.8
 127 9.2 7.2 10.8



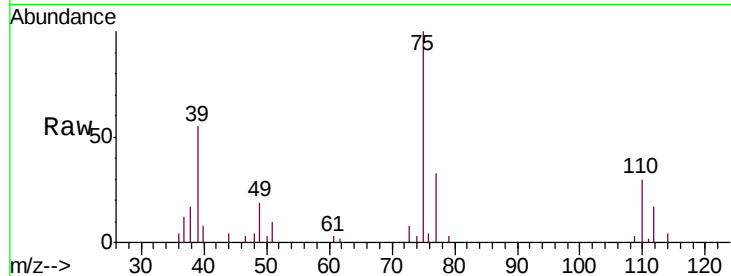


#39

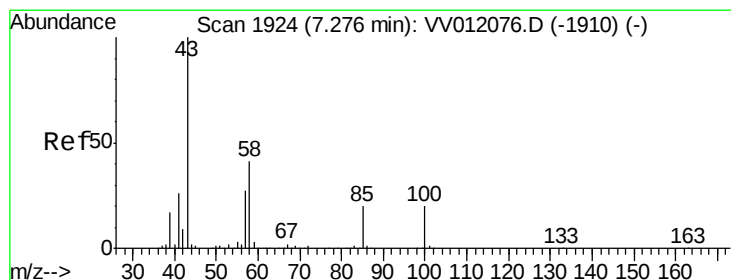
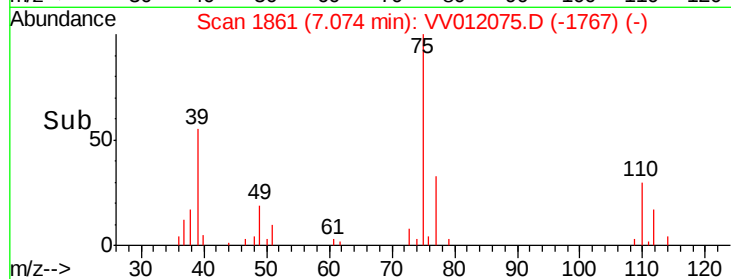
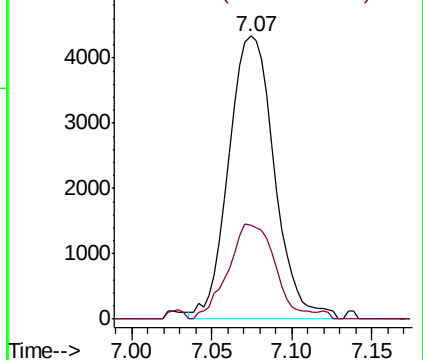
cis-1,3-Dichloropropene
Concen: 0.758 ug/L
RT: 7.07 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VV012075.D
Acq: 30 Jul 2019 17:38

Instrument :
MSVOA_V
ClientSampleId :
VSTD00134

Tgt Ion: 75 Resp: 8464
Ion Ratio Lower Upper
75 100
77 33.4 21.3 39.5



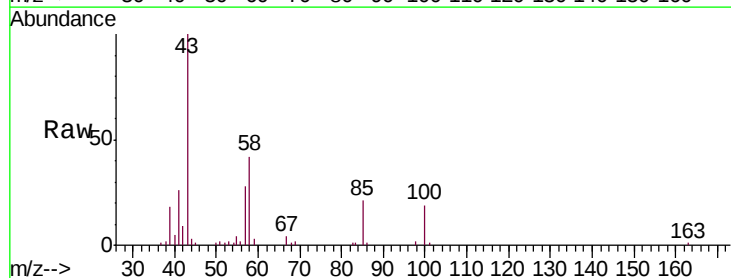
Abundance Ion 75.05 (74.75 to 75.75): VV012076.D (-1838) (-)
Ion 77.05 (76.75 to 77.75): VV012076.D (-1838) (-)



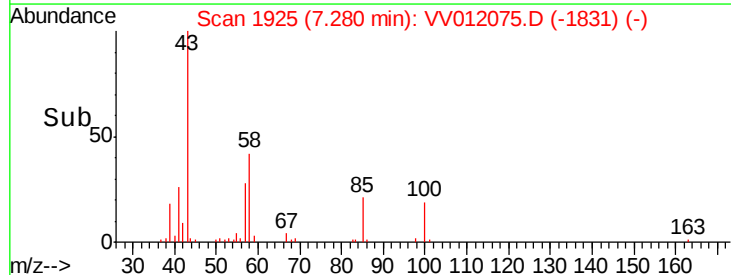
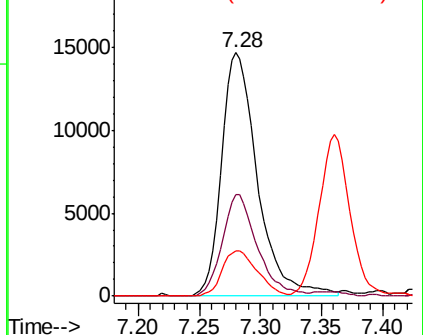
#40

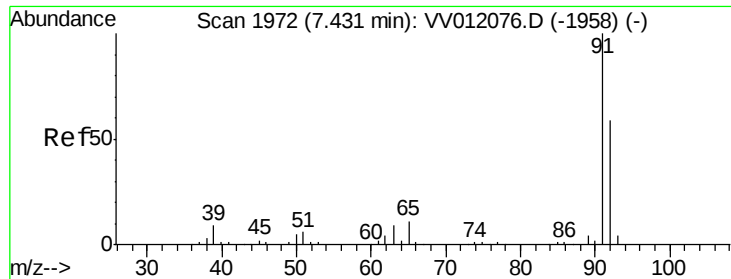
4-Methyl-2-pentanone
Concen: 7.357 ug/L
RT: 7.28 min Scan# 1925
Delta R.T. 0.00 min
Lab File: VV012075.D
Acq: 30 Jul 2019 17:38

Tgt Ion: 43 Resp: 30354
Ion Ratio Lower Upper
43 100
58 40.6 31.8 47.6
100 18.1 15.0 22.4



Abundance Ion 43.05 (42.75 to 43.75): VV012076.D (-1910) (-)
Ion 58.05 (57.75 to 58.75): VV012076.D (-1910) (-)
Ion 100.15 (99.85 to 100.85): VV012076.D (-1910) (-)





#42

Toluene

Concen: 0.787 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012075.D

Acq: 30 Jul 2019 17:38

Instrument :

MSVOA_V

ClientSampleId :

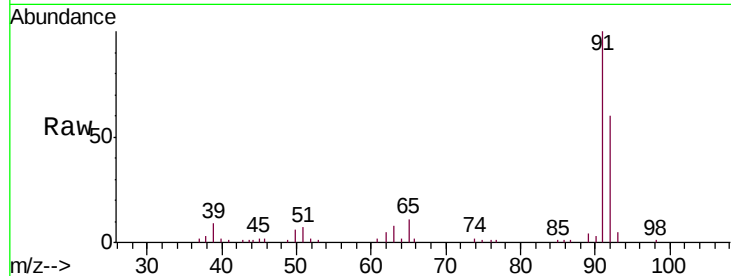
VSTD00134

Tgt Ion: 91 Resp: 26511

Ion Ratio Lower Upper

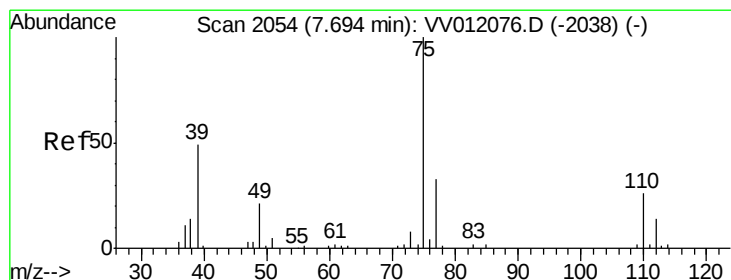
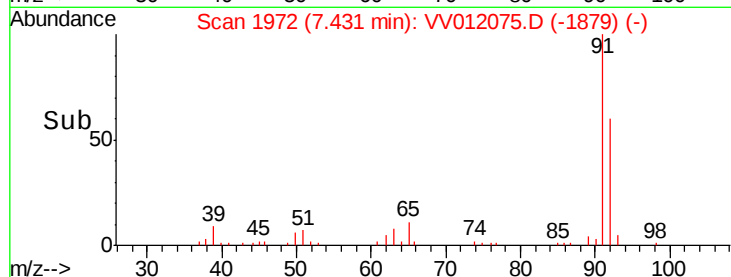
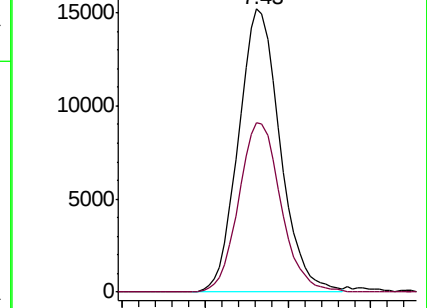
91 100

92 59.7 41.6 77.2



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.766 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV012075.D

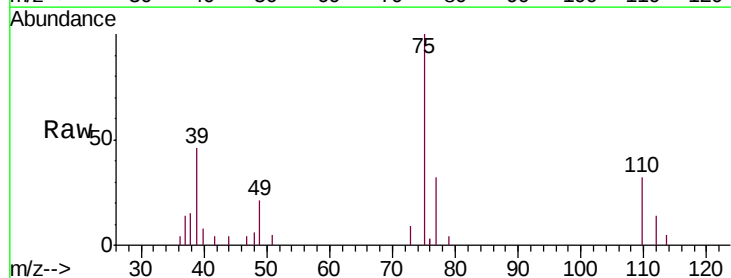
Acq: 30 Jul 2019 17:38

Tgt Ion: 75 Resp: 6822

Ion Ratio Lower Upper

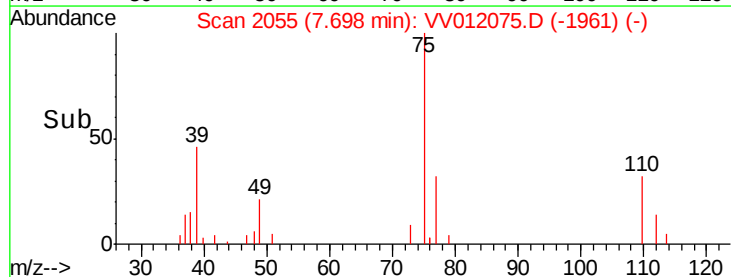
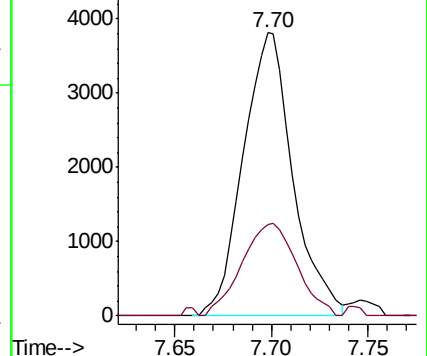
75 100

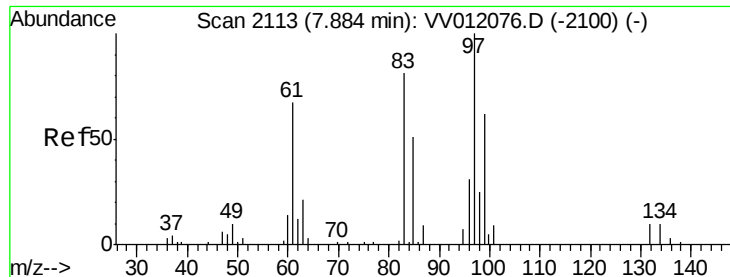
77 32.1 22.8 42.4



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

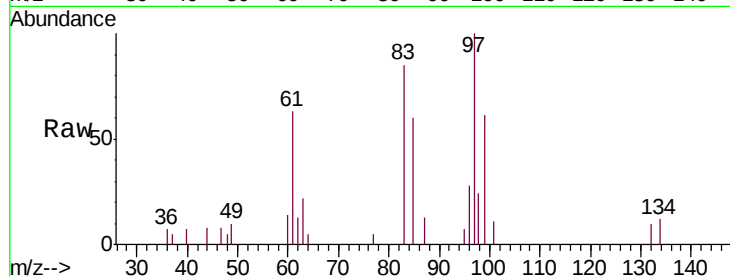




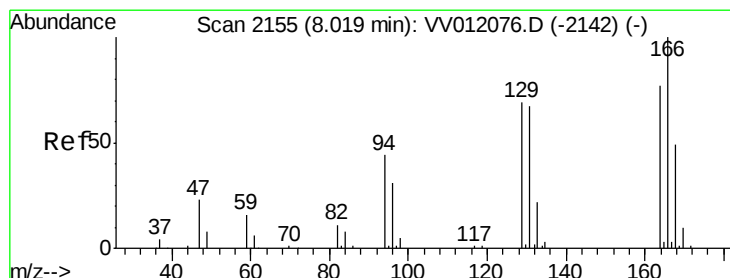
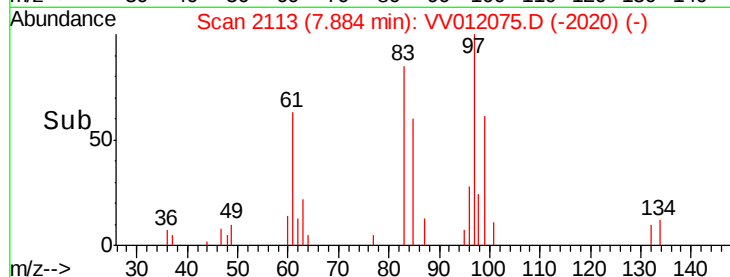
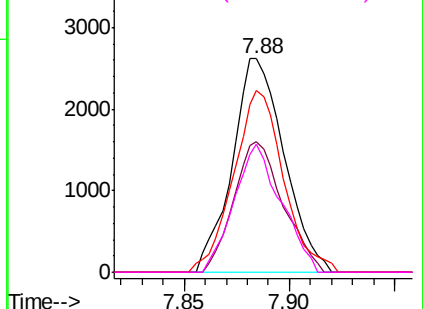
#45
 1,1,2-Trichloroethane
 Concen: 0.859 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV012075.D
 Acq: 30 Jul 2019 17:38

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00134

Tgt Ion:	97	Resp:	4480
Ion	Ratio	Lower	Upper
97	100		
99	61.0	43.3	80.3
83	85.2	56.6	105.0
85	60.0	35.8	66.6

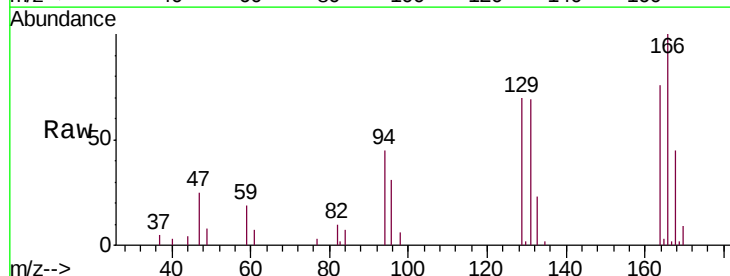


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

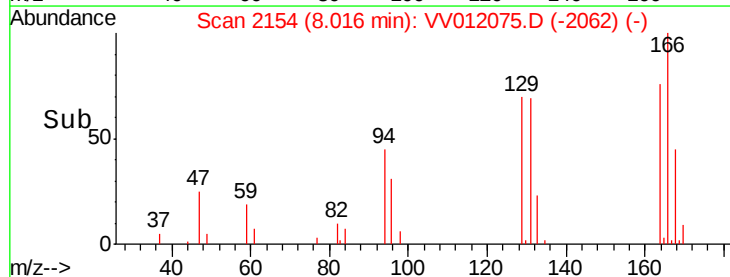
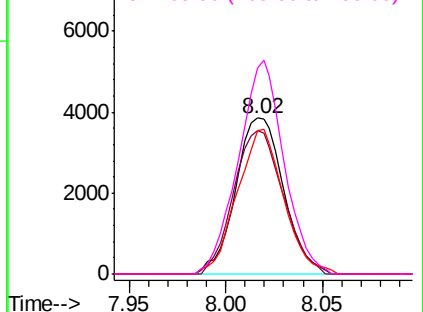


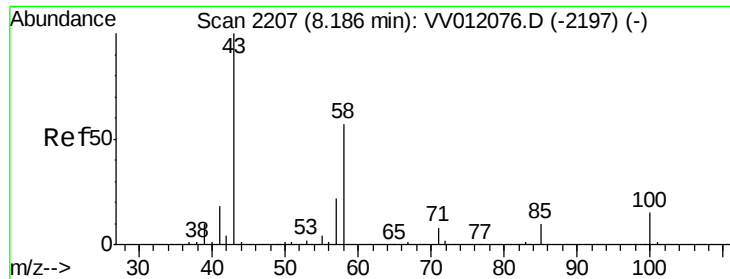
#47
 Tetrachloroethene
 Concen: 0.869 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV012075.D
 Acq: 30 Jul 2019 17:38

Tgt Ion:	164	Resp:	6643
Ion	Ratio	Lower	Upper
164	100		
129	92.3	62.5	116.1
131	91.6	60.9	113.1
166	132.1	90.4	168.0



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

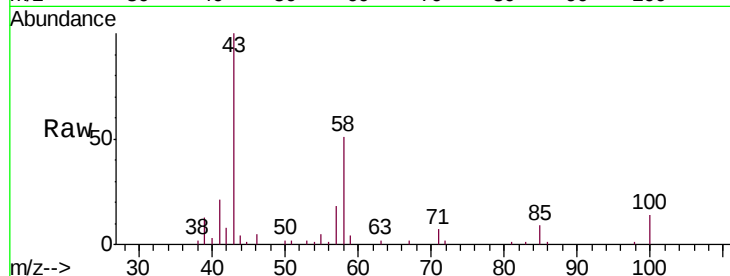




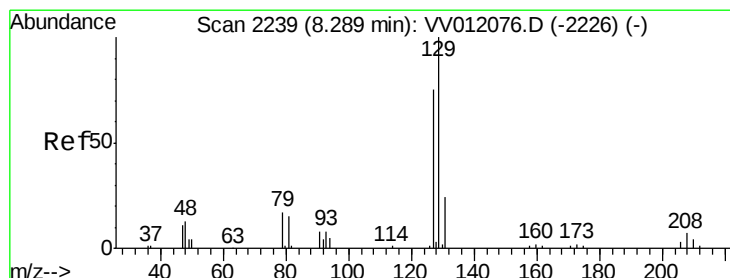
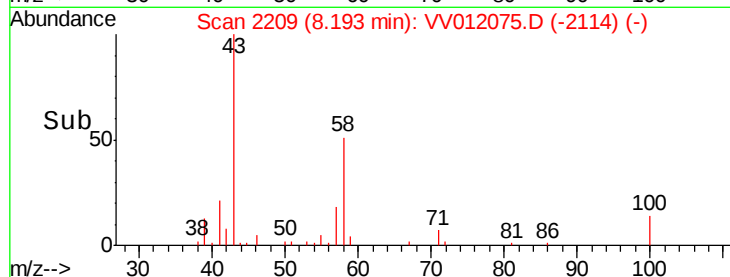
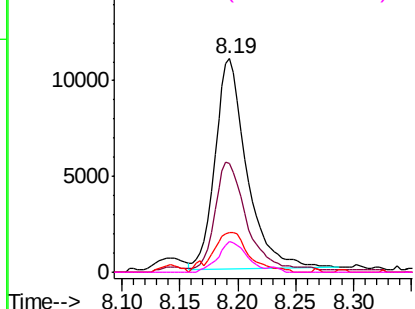
#48
2-Hexanone
Concen: 7.314 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VV012075.D
Acq: 30 Jul 2019 17:38

Instrument :
MSVOA_V
ClientSampleId :
VSTD00134

Tgt Ion: 43 Resp: 21028
Ion Ratio Lower Upper
43 100
58 49.7 45.7 68.5
57 21.3 17.0 25.4
100 13.0 12.6 18.8

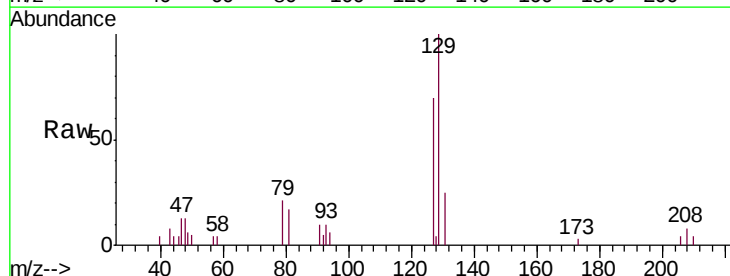


Abundance Ion 43.05 (42.75 to 43.75): VV012075.D (-2197) (-)
Ion 58.05 (57.75 to 58.75): VV012075.D (-2197) (-)
Ion 57.20 (56.90 to 57.90): VV012075.D (-2197) (-)
Ion 100.15 (99.85 to 100.85): VV012075.D (-2197) (-)

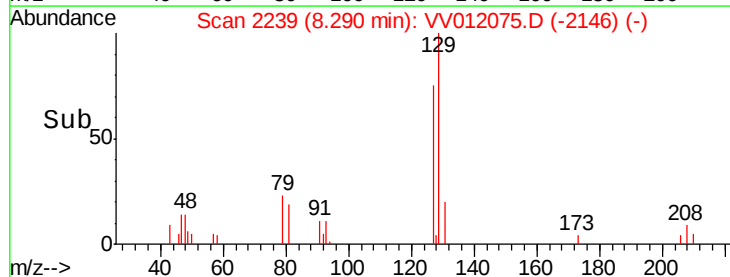
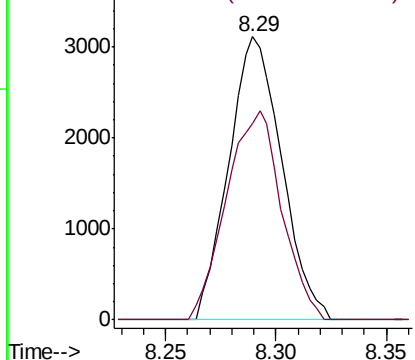


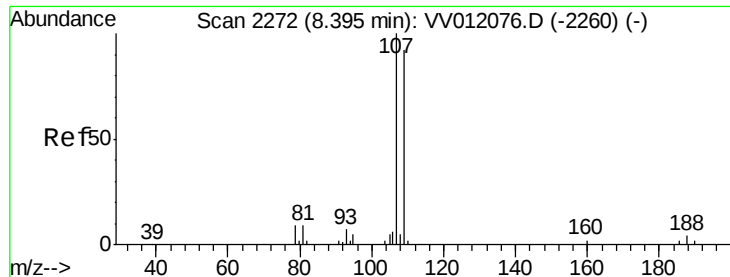
#49
Dibromochloromethane
Concen: 0.800 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV012075.D
Acq: 30 Jul 2019 17:38

Tgt Ion: 129 Resp: 5190
Ion Ratio Lower Upper
129 100
127 69.6 52.8 98.2



Abundance Ion 128.95 (128.65 to 129.65): VV012075.D (-2146) (-)
Ion 126.90 (126.60 to 127.60): VV012075.D (-2146) (-)

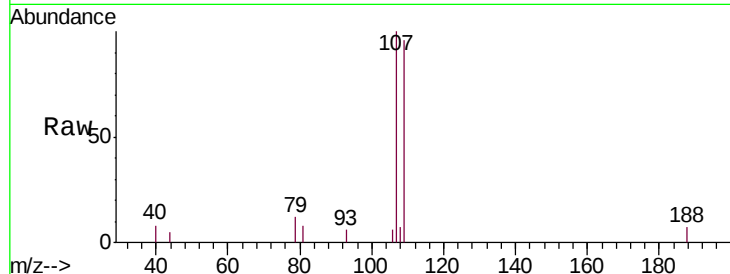




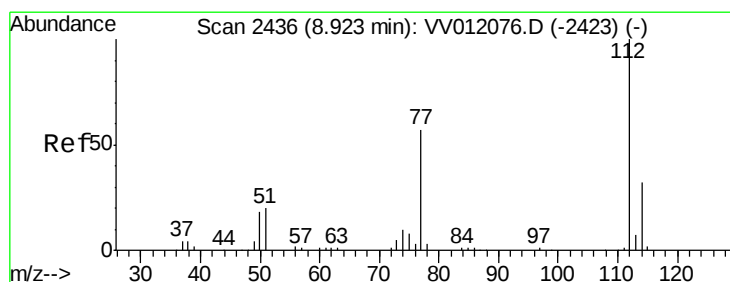
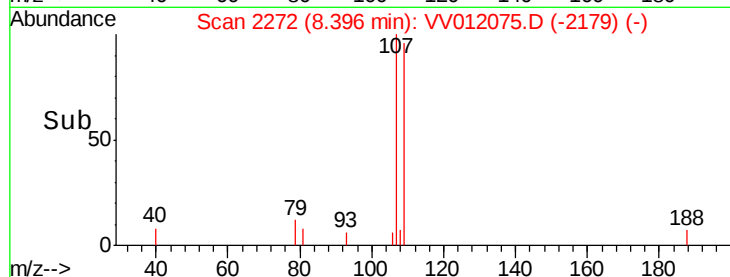
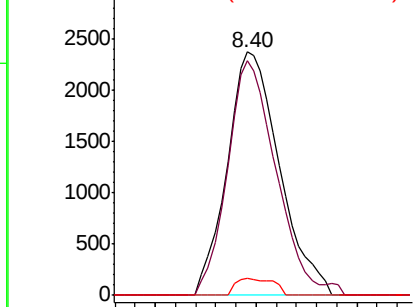
#50
1,2-Dibromoethane
Concen: 0.870 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV012075.D
Acq: 30 Jul 2019 17:38

Instrument :
MSVOA_V
ClientSampleId :
VSTD00134

Tgt Ion:107 Resp: 4302
Ion Ratio Lower Upper
107 100
109 96.4 64.7 120.1
188 6.8 3.4 5.0#

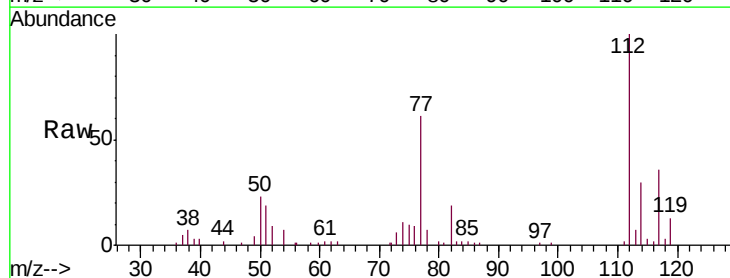


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

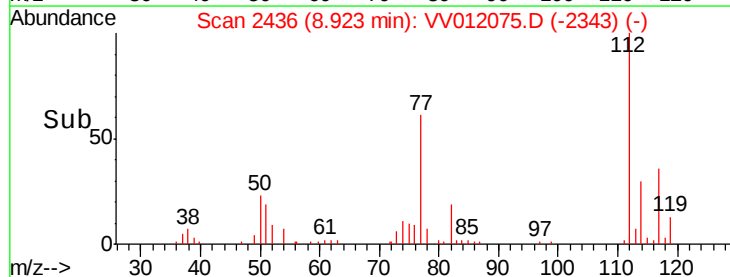
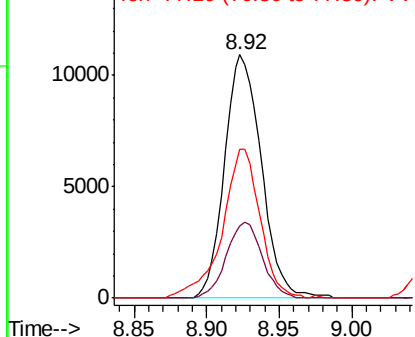


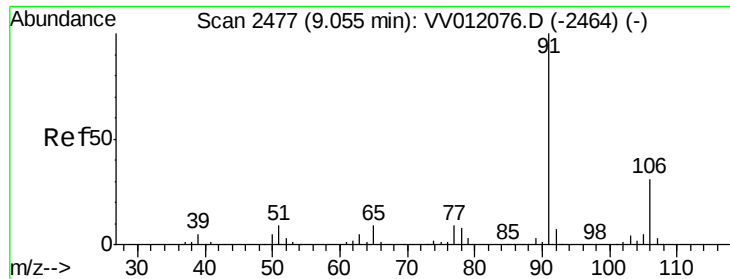
#51
Chlorobenzene
Concen: 0.865 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV012075.D
Acq: 30 Jul 2019 17:38

Tgt Ion:112 Resp: 19210
Ion Ratio Lower Upper
112 100
114 29.8 22.4 41.6
77 61.0 46.1 69.1



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 0.783 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV012075.D

Acq: 30 Jul 2019 17:38

Instrument :

MSVOA_V

ClientSampleId :

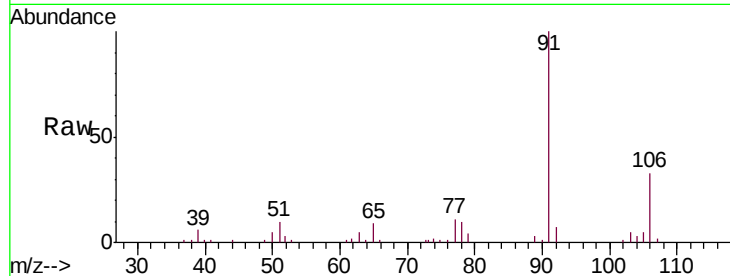
VSTD00134

Tgt Ion: 91 Resp: 30147

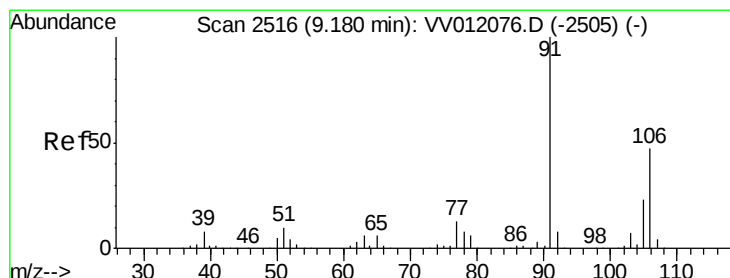
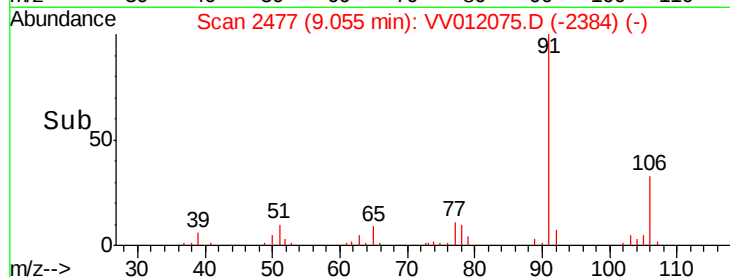
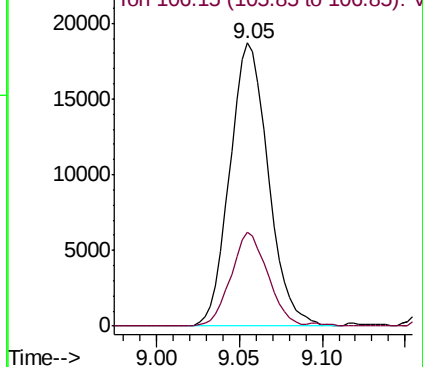
Ion Ratio Lower Upper

91 100

106 33.4 21.6 40.0



Abundance Ion 91.15 (90.85 to 91.85): VV012076.D (-2464) (-)



#53

m,p-xylene

Concen: 0.813 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV012075.D

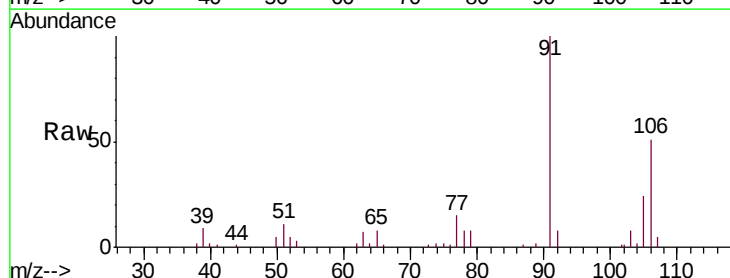
Acq: 30 Jul 2019 17:38

Tgt Ion: 106 Resp: 11882

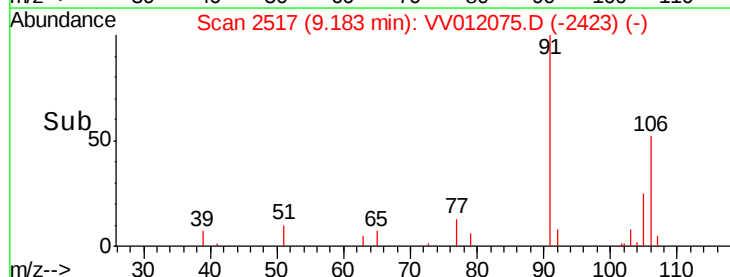
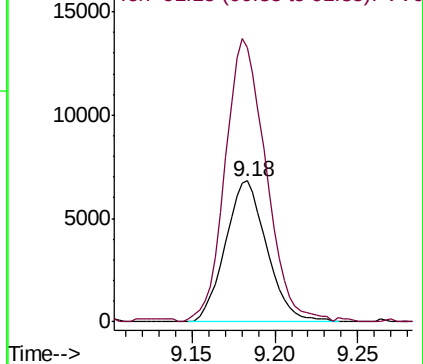
Ion Ratio Lower Upper

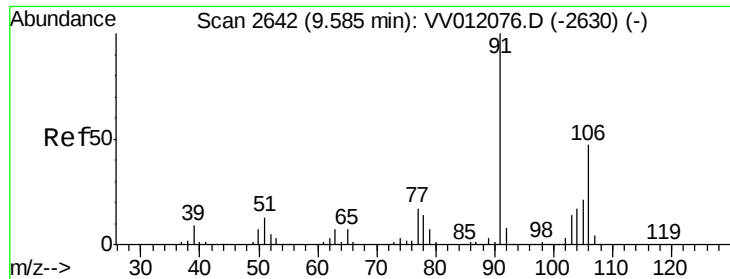
106 100

91 194.9 148.7 276.3



Abundance Ion 106.15 (105.85 to 106.85): VV012076.D (-2505) (-)





#54

o-xylene

Concen: 0.753 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV012075.D

Acq: 30 Jul 2019 17:38

Instrument :

MSVOA_V

ClientSampleId :

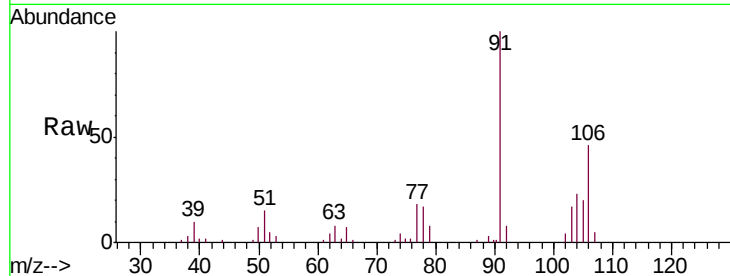
VSTD00134

Tgt Ion:106 Resp: 10502

Ion Ratio Lower Upper

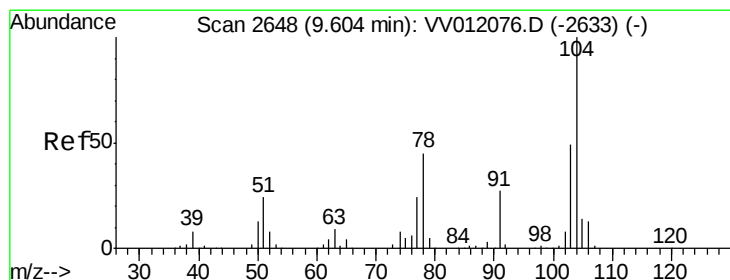
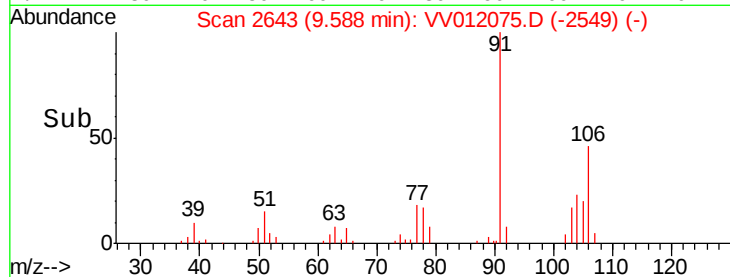
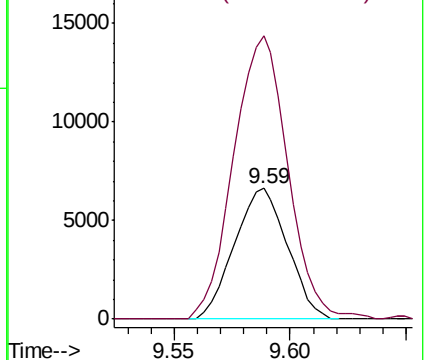
106 100

91 216.5 147.7 274.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.790 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV012075.D

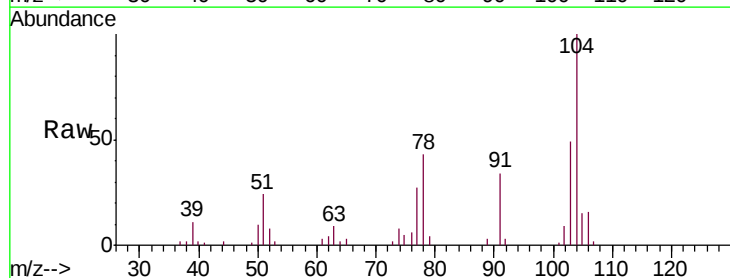
Acq: 30 Jul 2019 17:38

Tgt Ion:104 Resp: 18508

Ion Ratio Lower Upper

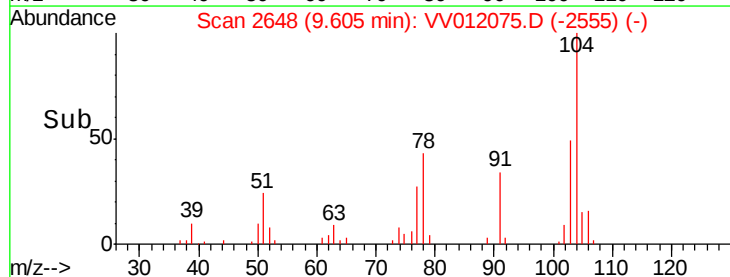
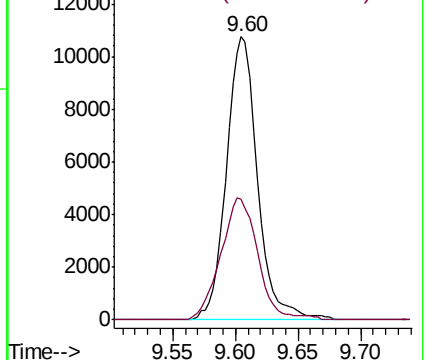
104 100

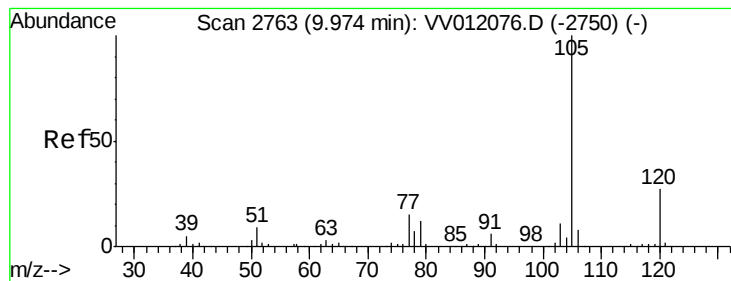
78 42.7 31.7 58.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.769 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV012075.D

Acq: 30 Jul 2019 17:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD00134

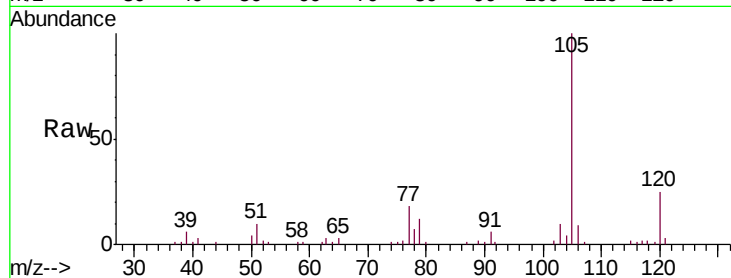
Tgt Ion: 105 Resp: 29858

Ion Ratio Lower Upper

105 100

120 26.8 21.8 32.8

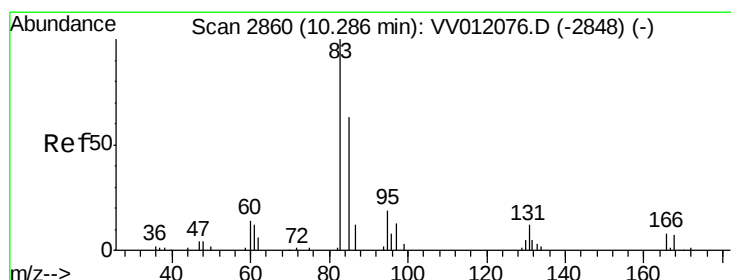
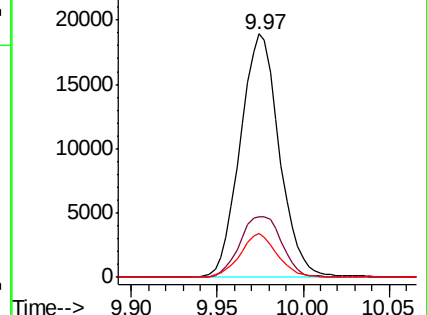
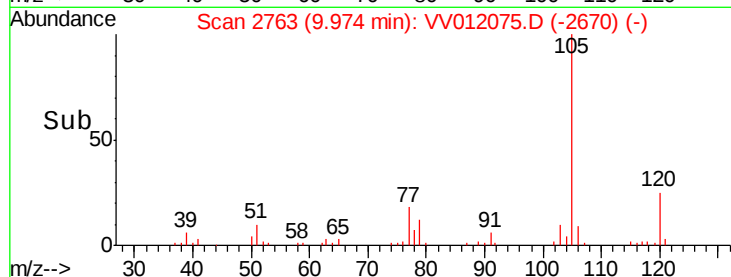
77 17.0 12.7 19.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 0.887 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VV012075.D

Acq: 30 Jul 2019 17:38

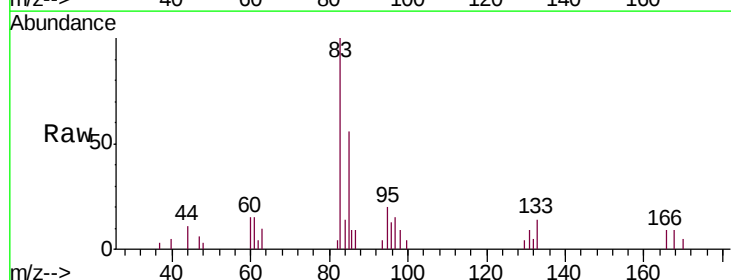
Tgt Ion: 83 Resp: 5039

Ion Ratio Lower Upper

83 100

85 56.1 45.1 83.7

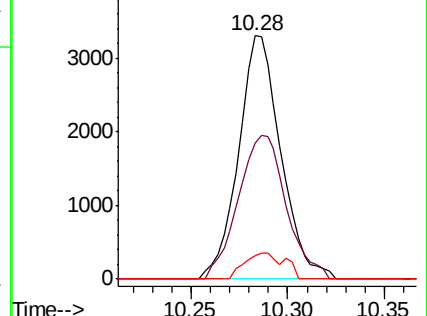
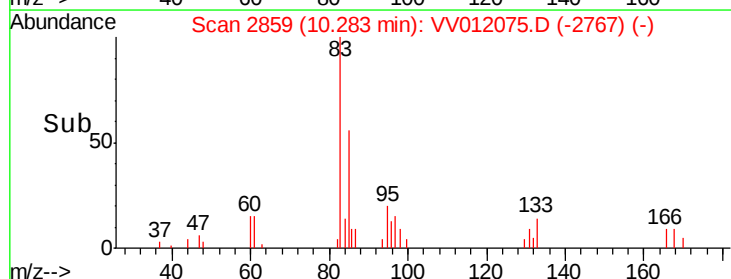
131 9.5 10.3 15.5#

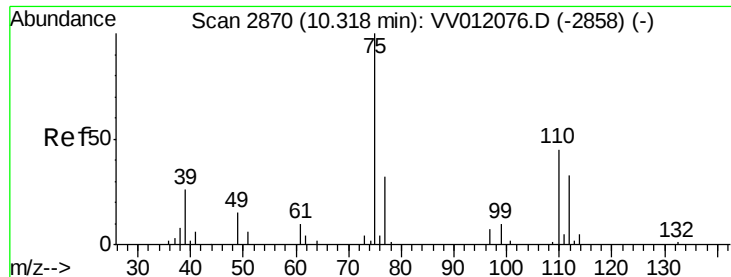


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.876 ug/L

RT: 10.32 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VV012075.D

Acq: 30 Jul 2019 17:38

Instrument :

MSVOA_V

ClientSampleId :

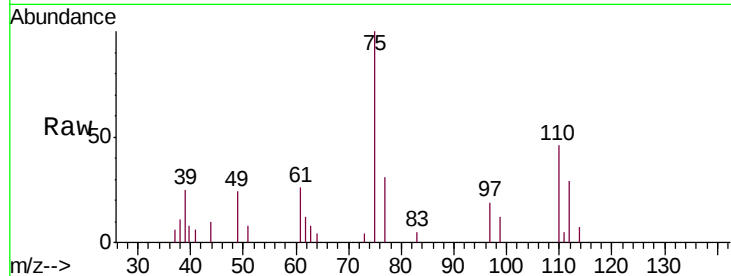
VSTD00134

Tgt Ion: 75 Resp: 3821

Ion Ratio Lower Upper

75 100

77 34.5 26.9 40.3



Abundance Ion 75.00 (74.70 to 75.70): VV012076.D (-2858) (-)

Ion 77.00 (76.70 to 77.70): VV012076.D (-2858) (-)

10.32

2500

2000

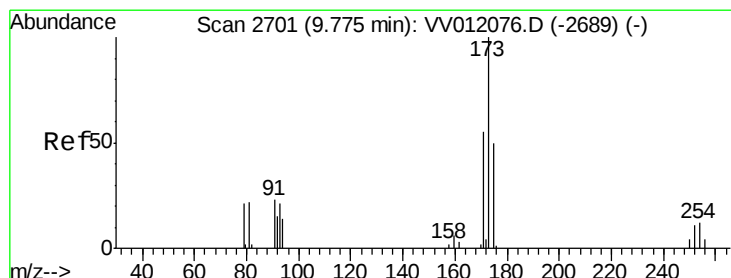
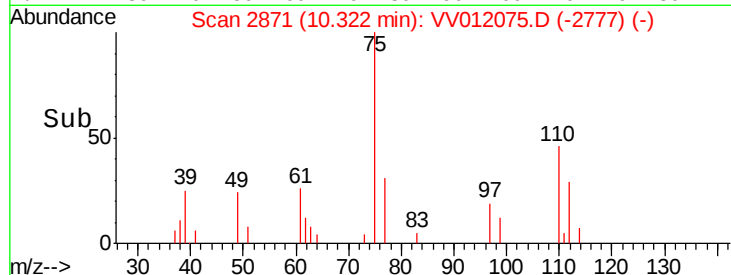
1500

1000

500

0

Time--> 10.25 10.30 10.35



#61

Bromoform

Concen: 0.873 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV012075.D

Acq: 30 Jul 2019 17:38

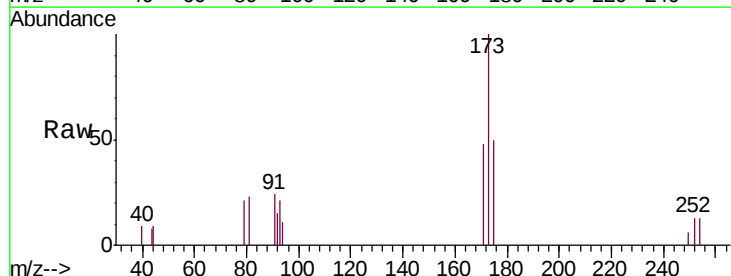
Tgt Ion: 173 Resp: 3100

Ion Ratio Lower Upper

173 100

175 47.2 39.4 59.2

254 9.9 8.7 13.1



Abundance Ion 172.90 (172.60 to 173.60): VV012076.D (-2689) (-)

Ion 174.90 (174.60 to 175.60): VV012076.D (-2689) (-)

Ion 253.75 (253.45 to 254.45): VV012076.D (-2689) (-)

9.77

2500

2000

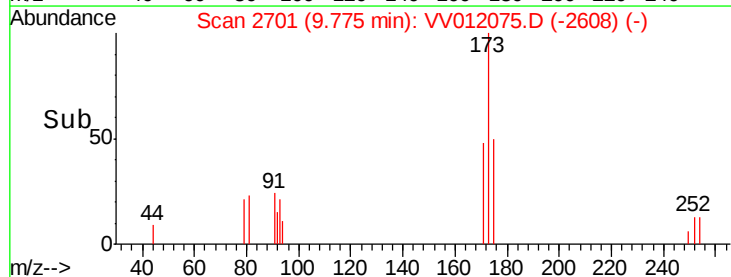
1500

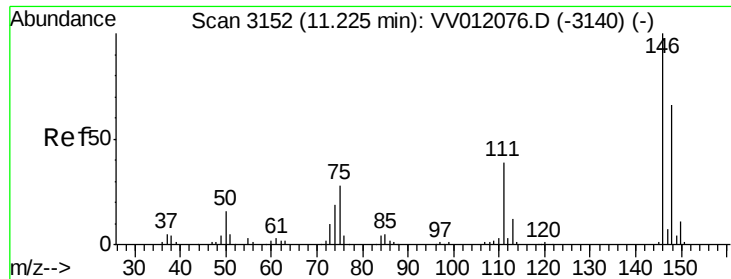
1000

500

0

Time--> 9.75 9.80





#62

1,3-Dichlorobenzene

Concen: 0.866 ug/L

RT: 11.23 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV012075.D

Acq: 30 Jul 2019 17:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD00134

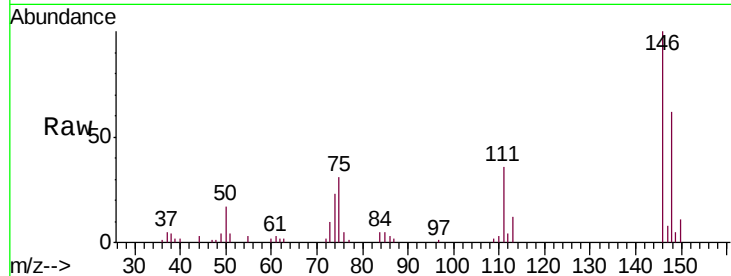
Tgt Ion:146 Resp: 16439

Ion Ratio Lower Upper

146 100

111 35.9 27.2 50.6

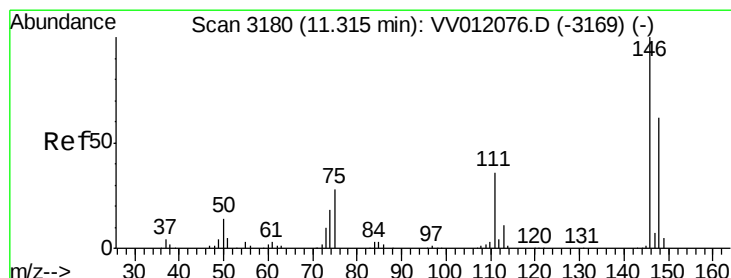
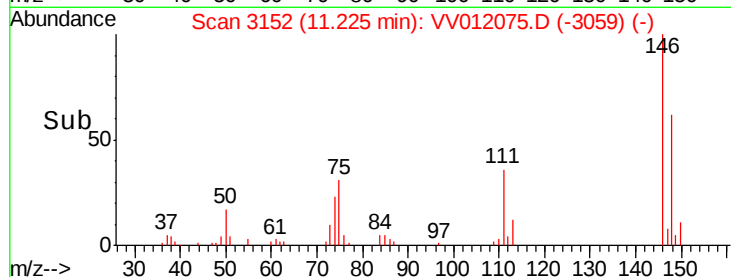
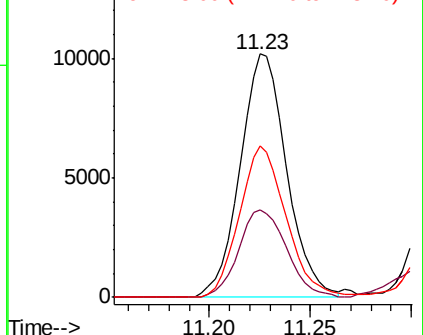
148 62.0 45.9 85.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 0.870 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. 0.00 min

Lab File: VV012075.D

Acq: 30 Jul 2019 17:38

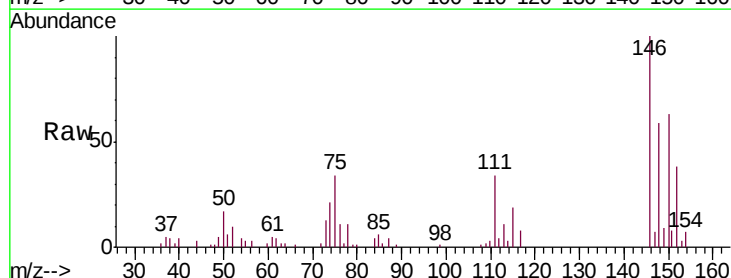
Tgt Ion:146 Resp: 16996

Ion Ratio Lower Upper

146 100

111 33.9 25.4 47.2

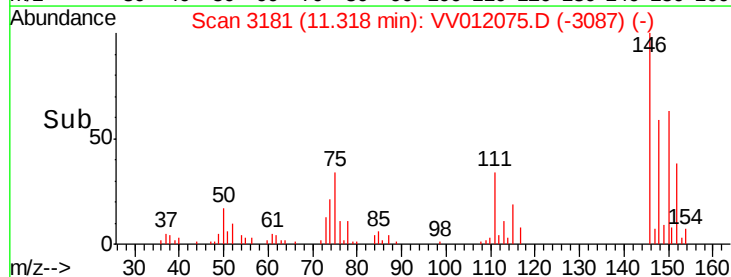
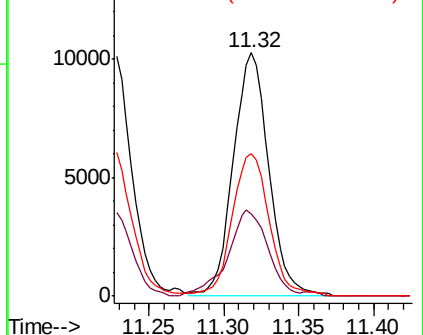
148 58.6 43.5 80.7

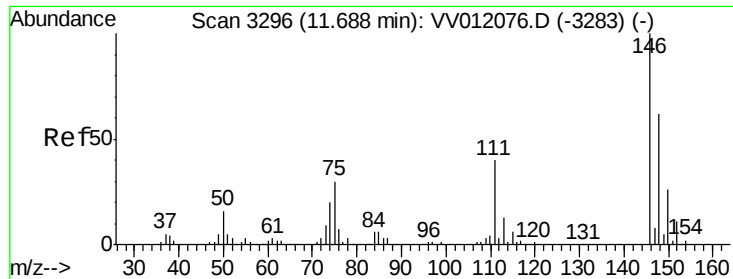


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.848 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV012075.D

Acq: 30 Jul 2019 17:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD00134

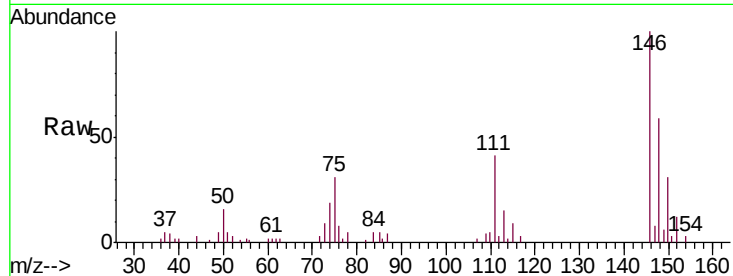
Tgt Ion: 146 Resp: 14727

Ion Ratio Lower Upper

146 100

111 41.2 32.3 48.5

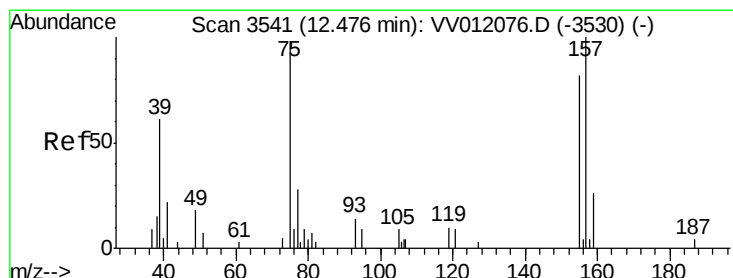
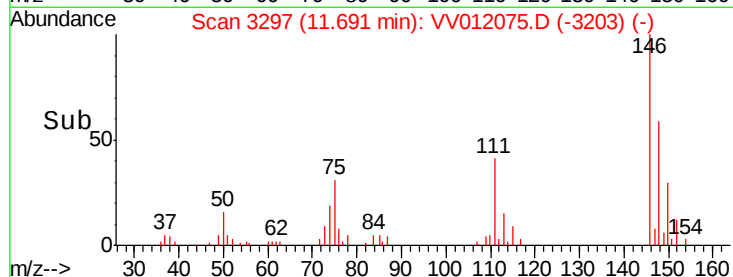
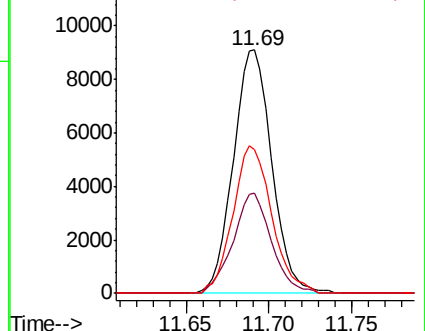
148 59.2 49.9 74.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 0.673 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV012075.D

Acq: 30 Jul 2019 17:38

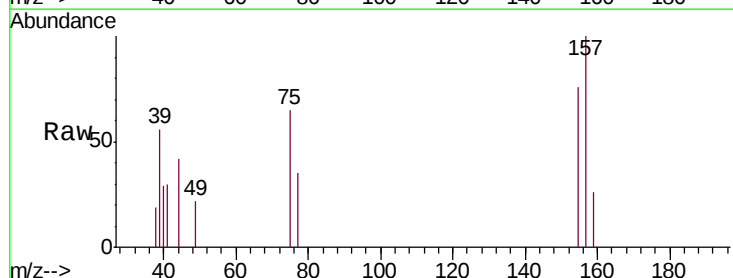
Tgt Ion: 75 Resp: 688

Ion Ratio Lower Upper

75 100

155 116.8 66.9 100.3#

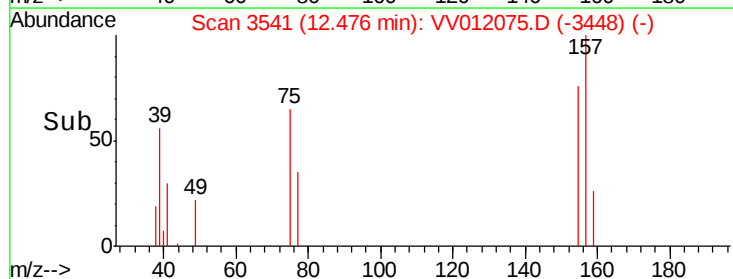
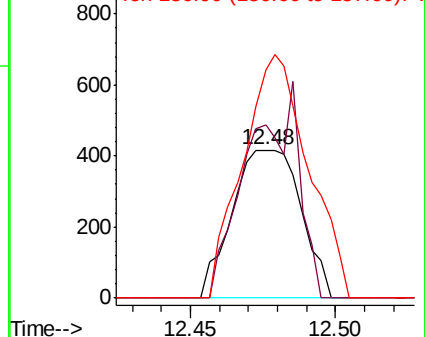
157 154.1 81.8 122.6#

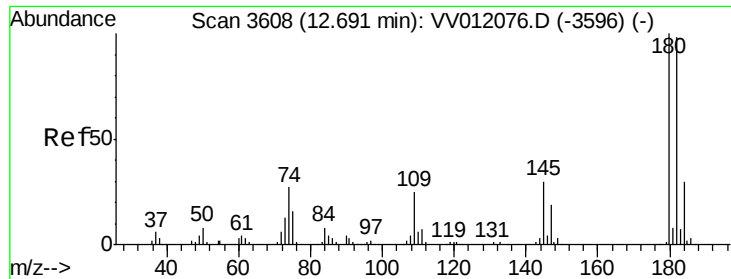


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

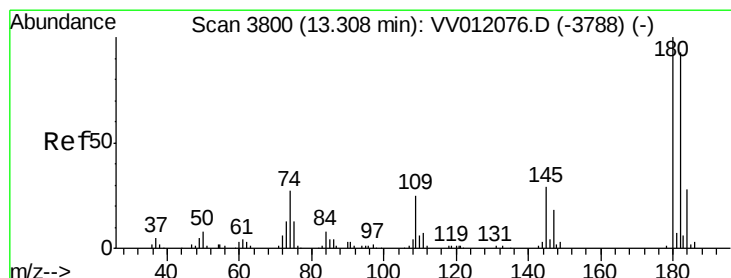
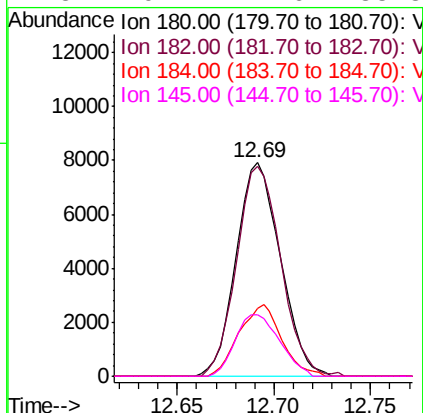
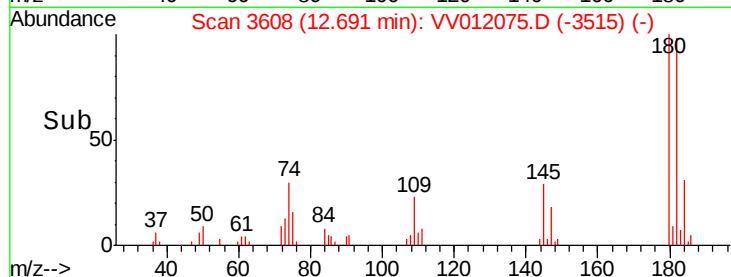
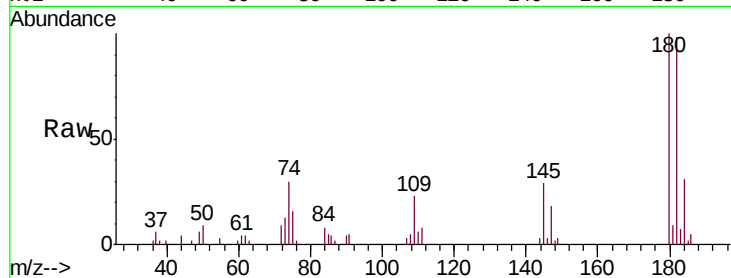




#67
 1,3,5-Trichlorobenzene
 Concen: 0.791 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV012075.D
 Acq: 30 Jul 2019 17:38

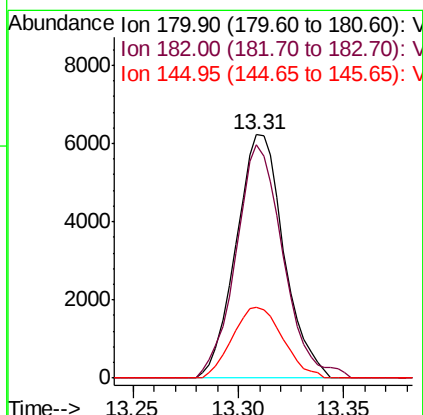
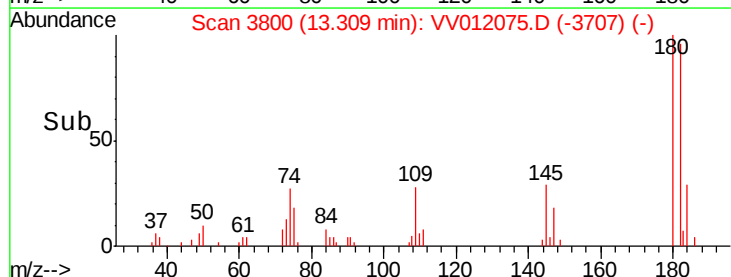
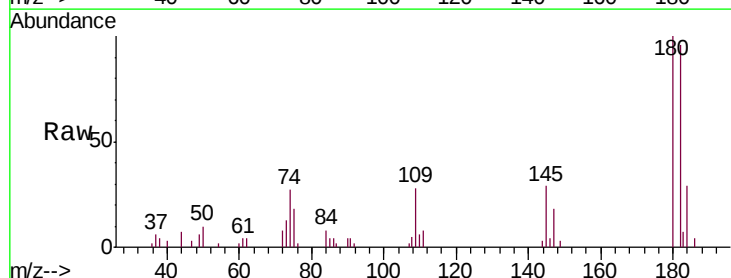
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00134

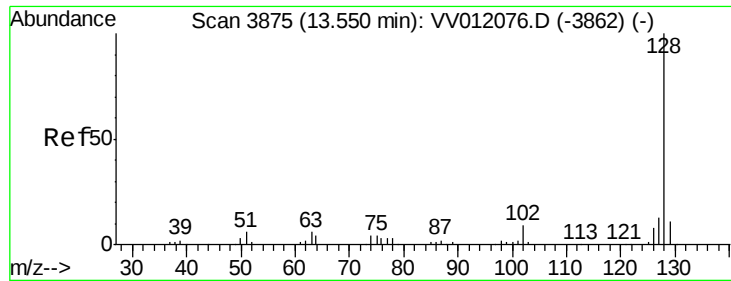
Tgt Ion:	180	Resp:	12595
Ion	Ratio	Lower	Upper
180	100		
182	98.4	76.6	115.0
184	32.2	23.8	35.8
145	29.1	22.6	33.8



#68
 1,2,4-trichlorobenzene
 Concen: 0.764 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV012075.D
 Acq: 30 Jul 2019 17:38

Tgt Ion:	180	Resp:	9795
Ion	Ratio	Lower	Upper
180	100		
182	94.6	75.4	113.0
145	30.6	23.5	35.3





#69

Naphthalene

Concen: 0.634 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV012075.D

Acq: 30 Jul 2019 17:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD00134

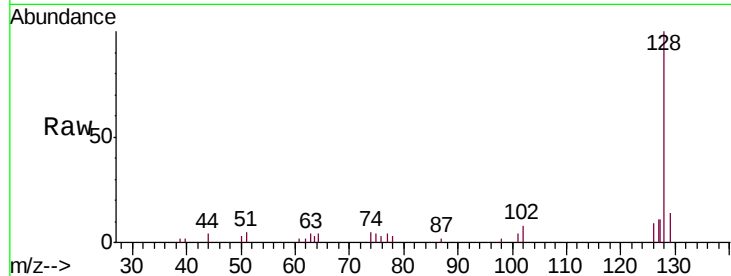
Tgt Ion:128 Resp: 11987

Ion Ratio Lower Upper

128 100

129 11.4 8.4 12.6

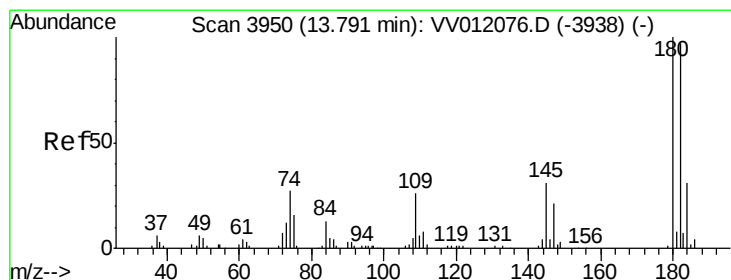
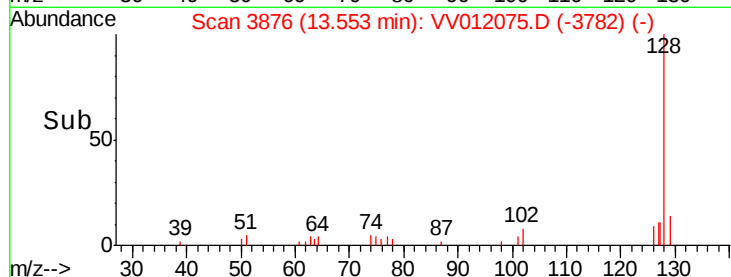
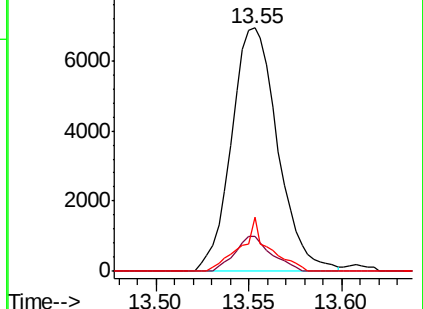
127 13.5 10.0 15.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.761 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV012075.D

Acq: 30 Jul 2019 17:38

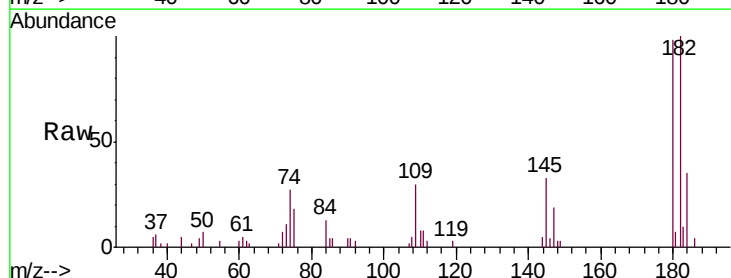
Tgt Ion:180 Resp: 8804

Ion Ratio Lower Upper

180 100

182 93.3 76.5 114.7

145 33.1 24.4 36.6



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

