

Data File : VV012132.D
Acq On : 08 Aug 2019 18:34
Operator : SY/MD
Sample : VSTD00135
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00135

Quant Time: Aug 09 06:09:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Aug 09 06:06:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	114956	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	108144	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	57736	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	4700	0.87	ug/L	0.00
7) Chloroethane-d5	1.58	69	3447	0.85	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	9263	0.84	ug/L	0.00
20) 2-Butanone-d5	3.95	46	12102	8.29	ug/L	0.00
24) Chloroform-d	4.40	84	13491	0.93	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	6740	0.84	ug/L	0.00
32) Benzene-d6	5.10	84	24125	0.88	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	6711	0.90	ug/L	0.00
41) Toluene-d8	7.36	98	24697	0.94	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	3184	0.93	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	10590	9.10	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	5415	0.95	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	10138	0.94	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	10557	0.856 ug/L	94
3) Chloromethane	1.25	50	4556	0.783 ug/L	92
5) Vinyl chloride	1.32	62	5482	0.851 ug/L	95
6) Bromomethane	1.53	94	2928	0.748 ug/L	88
8) Chloroethane	1.60	64	2992	0.850 ug/L	99
9) Trichlorofluoromethane	1.77	101	10474	0.843 ug/L	94
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	4541	0.850 ug/L	95
12) 1,1-Dichloroethene	2.14	96	4561	0.928 ug/L	86
13) Acetone	2.20	43	8102	10.962 ug/L	95
14) Carbon disulfide	2.32	76	12050	0.890 ug/L	99
15) Methyl Acetate	2.47	43	1582	0.939 ug/L #	83
16) Methylene chloride	2.53	84	4731	0.932 ug/L	95
17) Methyl tert-butyl Ether	2.81	73	15659	0.952 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	6334	0.862 ug/L	91
19) 1,1-Dichloroethane	3.22	63	10491	0.821 ug/L	99
21) 2-Butanone	4.04	43	12113	8.296 ug/L	74
22) cis-1,2-Dichloroethene	3.96	96	6776	0.854 ug/L	92
23) Bromochloromethane	4.30	128	3402	0.950 ug/L #	90
25) Chloroform	4.42	83	13362	0.804 ug/L	94
27) 1,2-Dichloroethane	5.18	62	7576	0.814 ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	12140	0.871 ug/L	99
30) Cyclohexane	4.72	56	9039	0.866 ug/L	93
31) Carbon tetrachloride	4.87	117	11620	0.920 ug/L	100
33) Benzene	5.14	78	24075	0.857 ug/L	100
34) Trichloroethene	5.96	95	7311	0.896 ug/L	83
35) Methylcyclohexane	6.17	83	10896	0.881 ug/L	97
37) 1,2-Dichloropropane	6.22	63	5310	0.821 ug/L	100
38) Bromodichloromethane	6.56	83	8982	0.922 ug/L #	98
39) cis-1,3-Dichloropropene	7.07	75	9063	0.888 ug/L	97
40) 4-Methyl-2-pentanone	7.27	43	29628	8.372 ug/L	98

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Quant Time: Aug 09 06:09:12 2019
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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Aug 09 06:06:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	27174	0.878	ug/L	96
44) trans-1,3-Dichloropropene	7.69	75	7196	0.861	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	4828	0.982	ug/L	85
47) Tetrachloroethene	8.02	164	6482	0.857	ug/L	95
48) 2-Hexanone	8.19	43	21398	8.641	ug/L	99
49) Dibromochloromethane	8.29	129	6710	1.018	ug/L	87
50) 1,2-Dibromoethane	8.40	107	4466	0.930	ug/L	92
51) Chlorobenzene	8.92	112	18919	0.896	ug/L	97
52) Ethylbenzene	9.05	91	31381	0.881	ug/L	98
53) m,p-xylene	9.18	106	12105	0.882	ug/L	95
54) o-xylene	9.59	106	11772	0.893	ug/L	95
55) Styrene	9.60	104	19445	0.872	ug/L	93
56) Isopropylbenzene	9.97	105	31846	0.872	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.28	83	4929	0.903	ug/L	89
59) 1,2,3-Trichloropropane	10.32	75	4044	0.984	ug/L	98
61) Bromoform	9.77	173	4272	1.173	ug/L #	95
62) 1,3-Dichlorobenzene	11.22	146	16186	0.916	ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	17153	0.954	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	15835	0.986	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	820	0.923	ug/L	87
67) 1,3,5-Trichlorobenzene	12.69	180	14201	0.972	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	11594	0.970	ug/L	99
69) Naphthalene	13.55	128	19085	1.142	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	11064	1.034	ug/L	98

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

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ALS Vial      : 5      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
VSTD00135

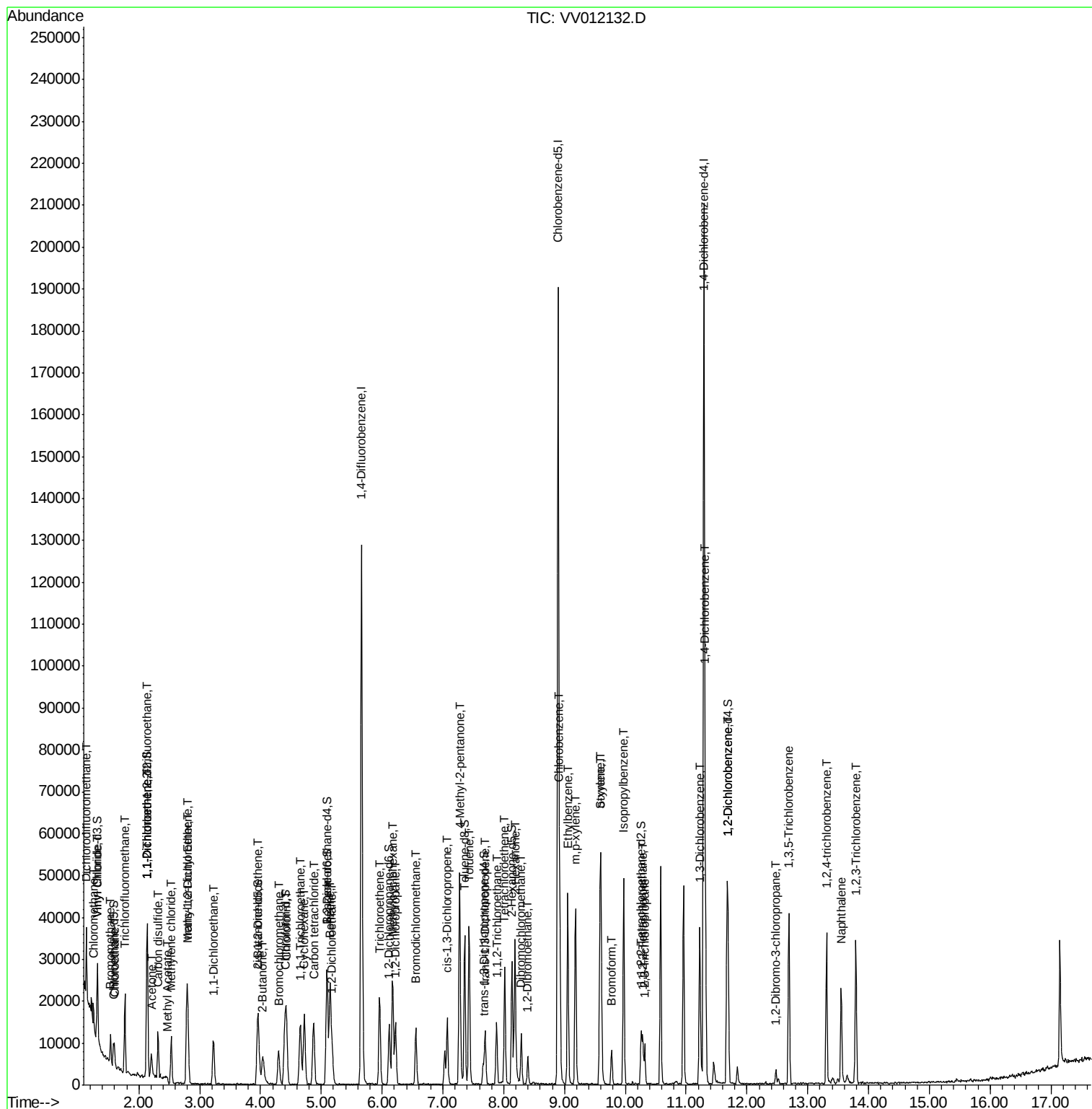
Quant Time: Aug 09 06:09:12 2019

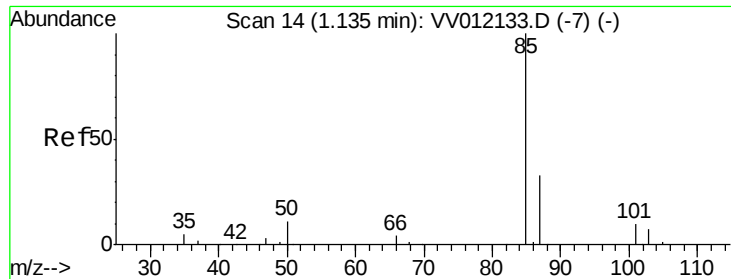
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0MVTR080819WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Fri Aug 09 06:06:18 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.856 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV012132.D

Acq: 08 Aug 2019 18:34

Instrument :

MSVOA_V

ClientSampleId :

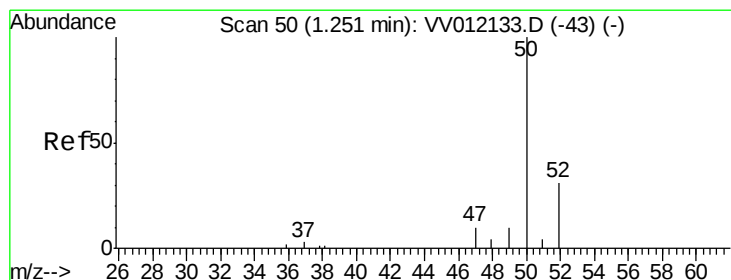
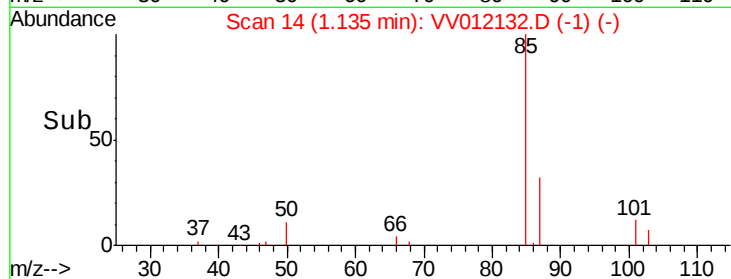
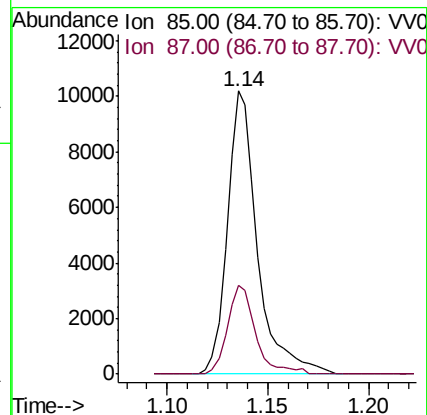
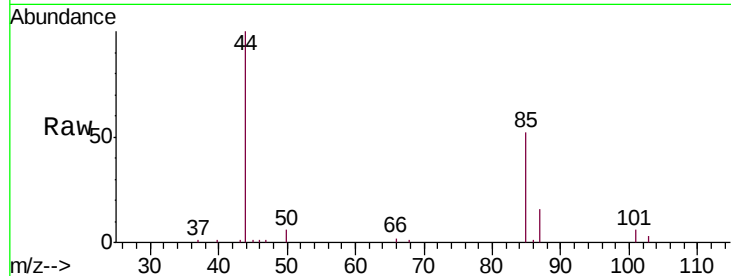
VSTD00135

Tgt Ion: 85 Resp: 10557

Ion Ratio Lower Upper

85 100

87 29.5 26.2 39.2



#3

Chloromethane

Concen: 0.783 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV012132.D

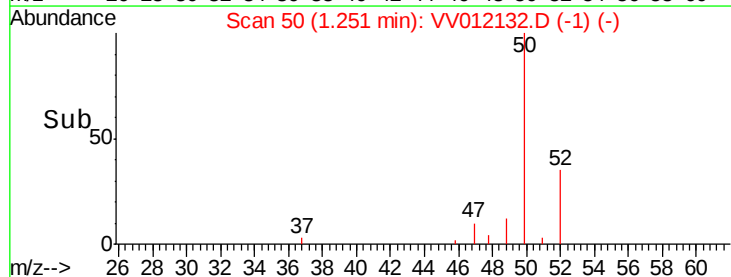
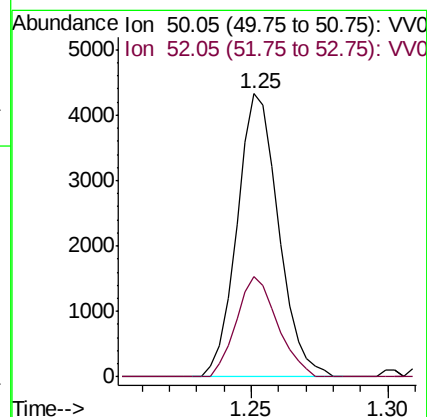
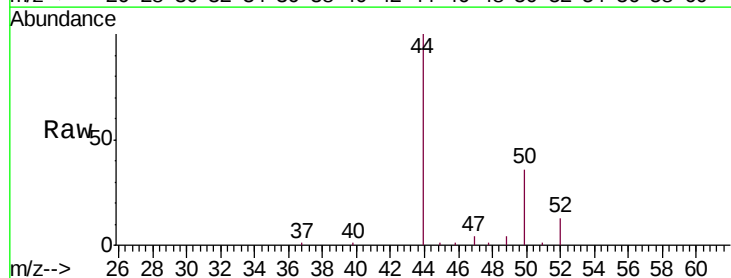
Acq: 08 Aug 2019 18:34

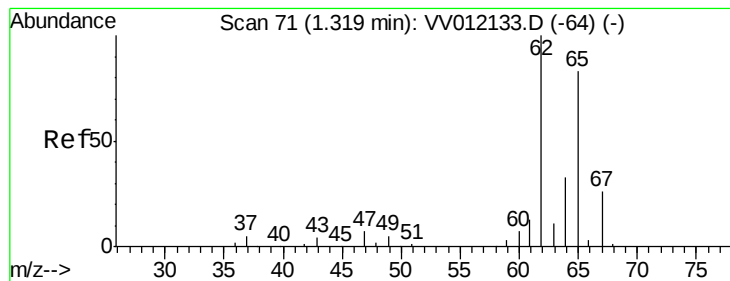
Tgt Ion: 50 Resp: 4556

Ion Ratio Lower Upper

50 100

52 35.3 21.6 40.0





#5

Vinyl chloride

Concen: 0.851 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV012132.D

Acq: 08 Aug 2019 18:34

Instrument :

MSVOA_V

ClientSampleId :

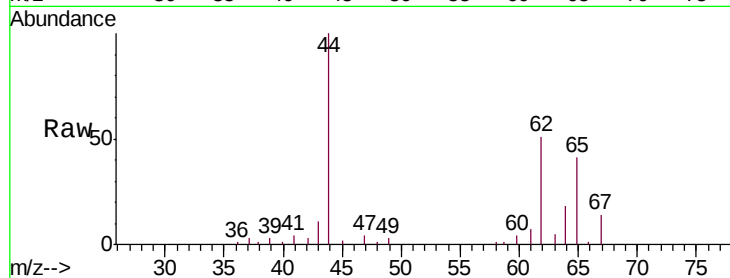
VSTD00135

Tgt Ion: 62 Resp: 5482

Ion Ratio Lower Upper

62 100

64 35.7 23.2 43.0



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

6000

5000

4000

3000

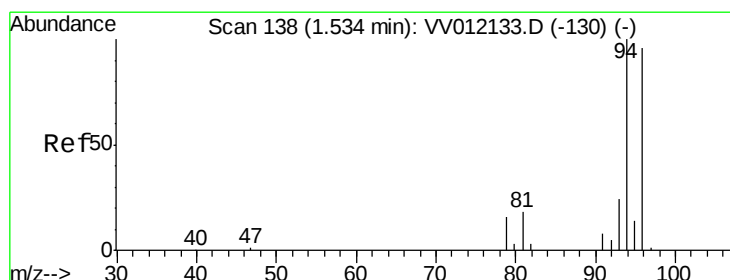
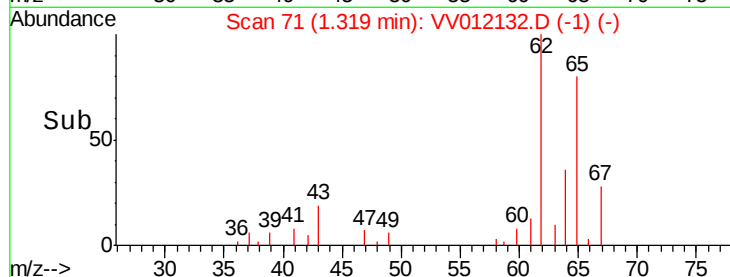
2000

1000

0

Time-->

1.30 1.35



#6

Bromomethane

Concen: 0.748 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV012132.D

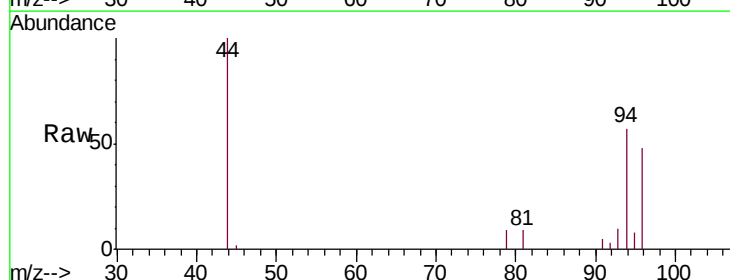
Acq: 08 Aug 2019 18:34

Tgt Ion: 94 Resp: 2928

Ion Ratio Lower Upper

94 100

96 84.9 67.4 125.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

3000

2500

2000

1500

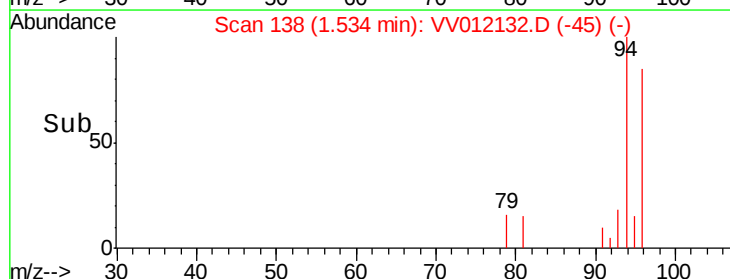
1000

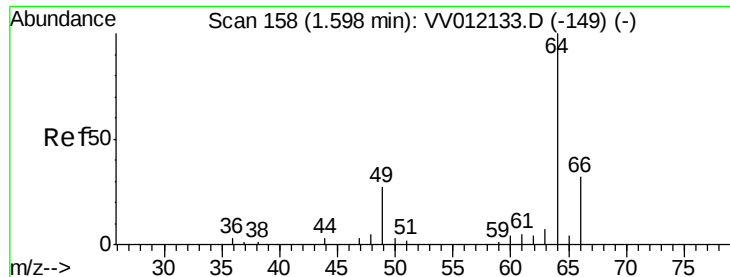
500

0

Time-->

1.50 1.52 1.54 1.56 1.58

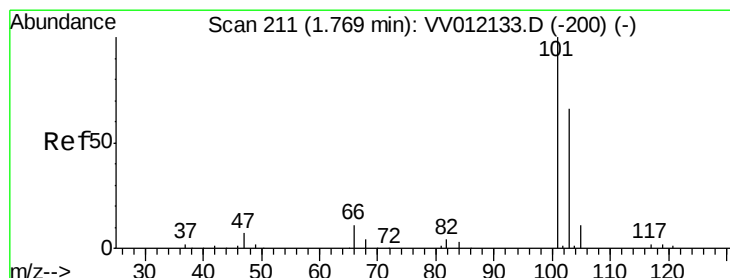
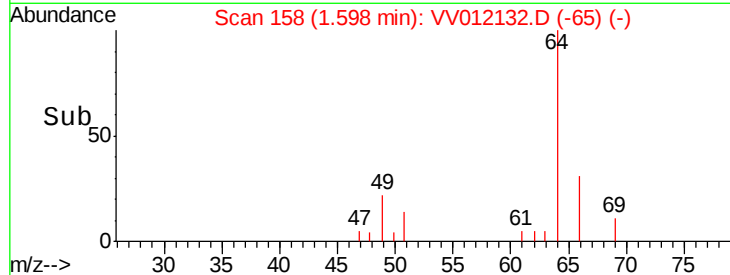
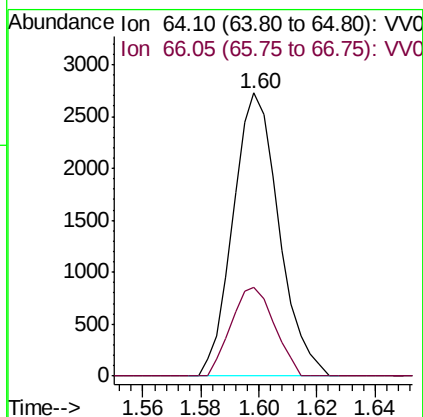
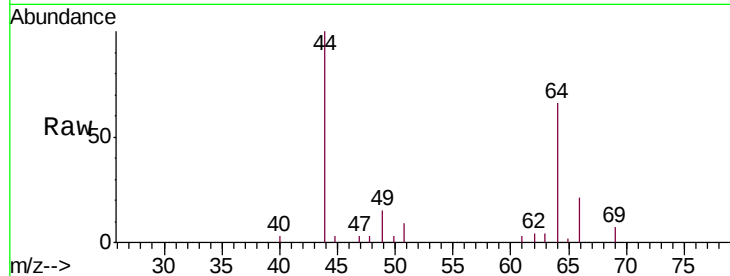




#8
 Chloroethane
 Concen: 0.850 ug/L
 RT: 1.60 min Scan# 158
 Delta R.T. 0.00 min
 Lab File: VV012132.D
 Acq: 08 Aug 2019 18:34

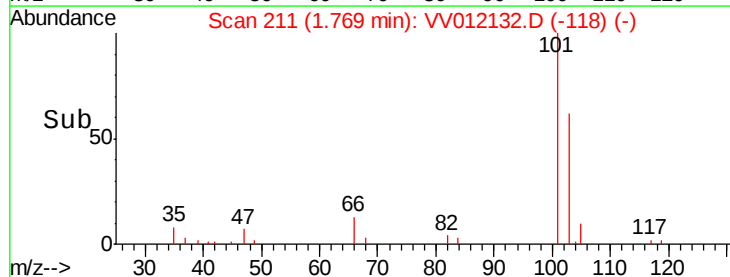
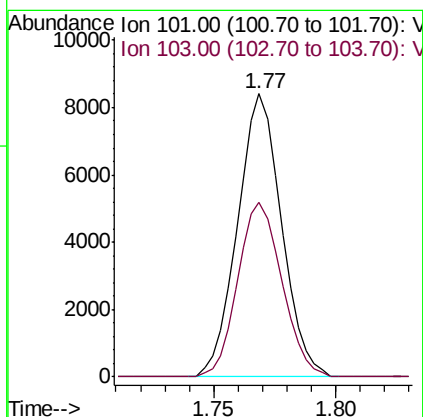
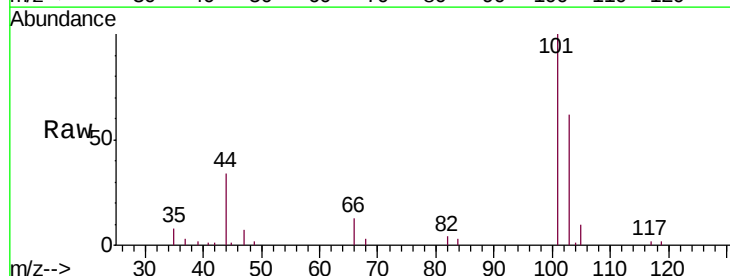
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00135

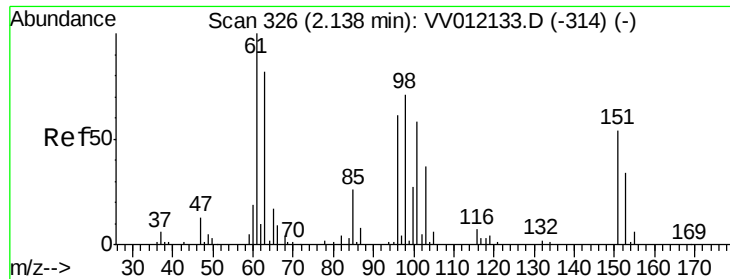
Tgt Ion: 64 Resp: 2992
 Ion Ratio Lower Upper
 64 100
 66 31.4 22.3 41.5



#9
 Trichlorofluoromethane
 Concen: 0.843 ug/L
 RT: 1.77 min Scan# 211
 Delta R.T. 0.00 min
 Lab File: VV012132.D
 Acq: 08 Aug 2019 18:34

Tgt Ion: 101 Resp: 10474
 Ion Ratio Lower Upper
 101 100
 103 61.8 53.3 79.9





#10

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

Concen: 0.850 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012132.D

Acq: 08 Aug 2019 18:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD00135

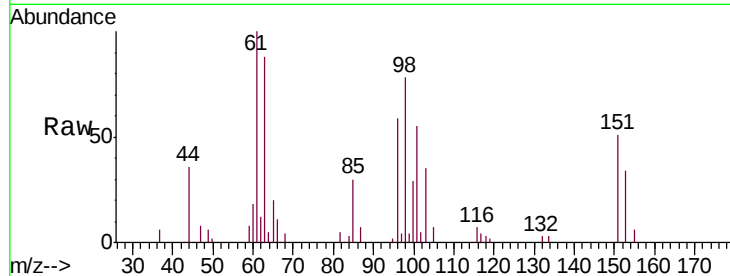
Tgt Ion:101 Resp: 4541

Ion Ratio Lower Upper

101 100

85 48.6 34.3 51.5

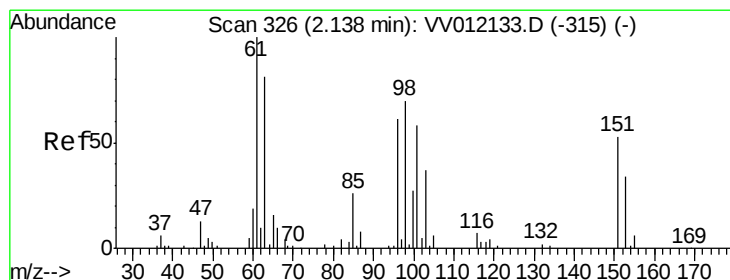
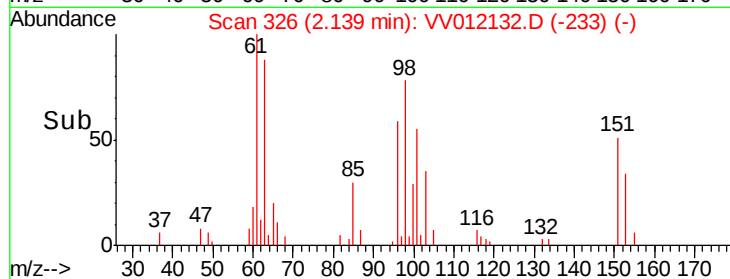
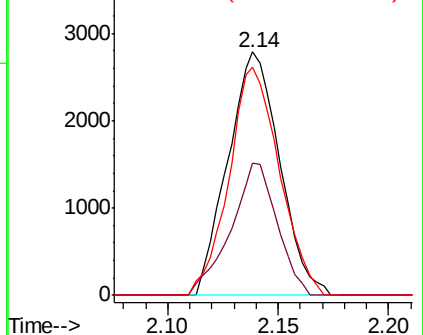
151 91.4 75.0 112.6



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: 0.928 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV012132.D

Acq: 08 Aug 2019 18:34

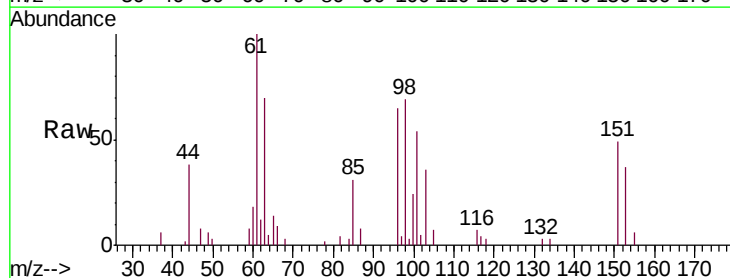
Tgt Ion: 96 Resp: 4561

Ion Ratio Lower Upper

96 100

61 154.5 114.7 213.1

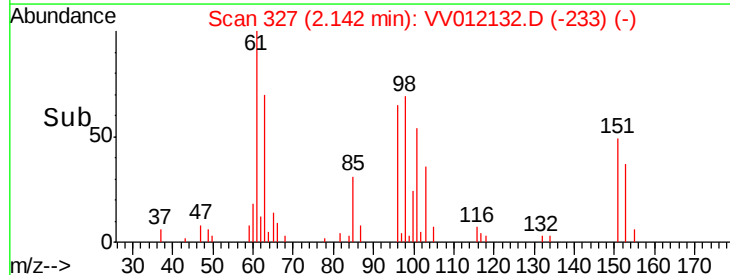
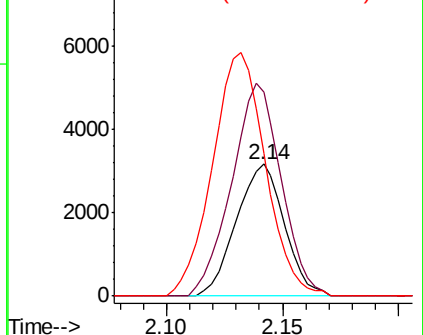
63 108.3 94.9 176.3

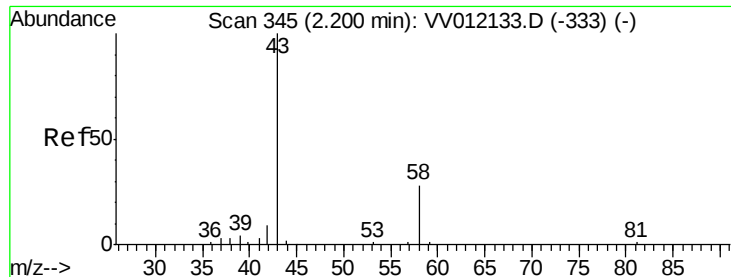


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 10.962 ug/L

RT: 2.20 min Scan# 346

Delta R.T. 0.00 min

Lab File: VV012132.D

Acq: 08 Aug 2019 18:34

Instrument :

MSVOA_V

ClientSampleId :

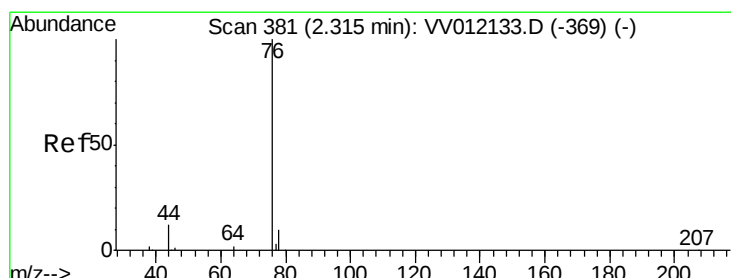
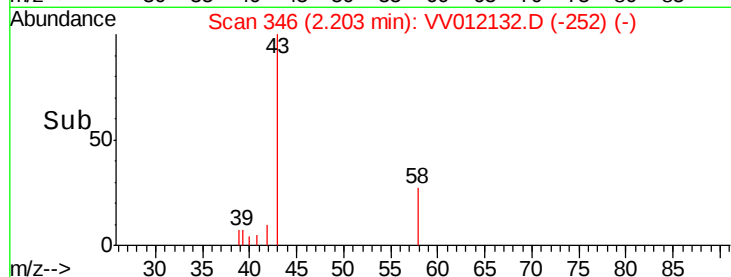
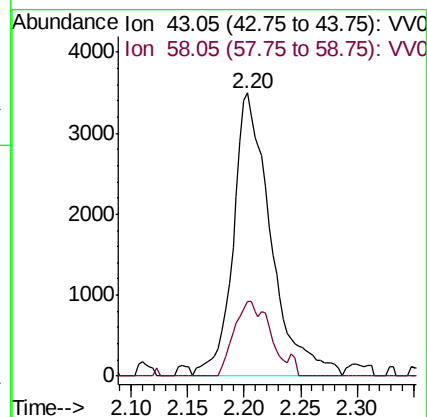
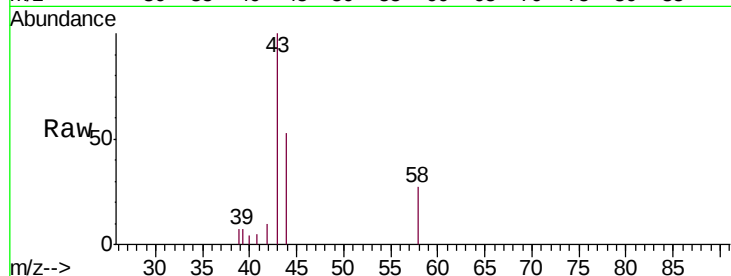
VSTD00135

Tgt Ion: 43 Resp: 8102

Ion Ratio Lower Upper

43 100

58 24.8 0.0 54.6



#14

Carbon disulfide

Concen: 0.890 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV012132.D

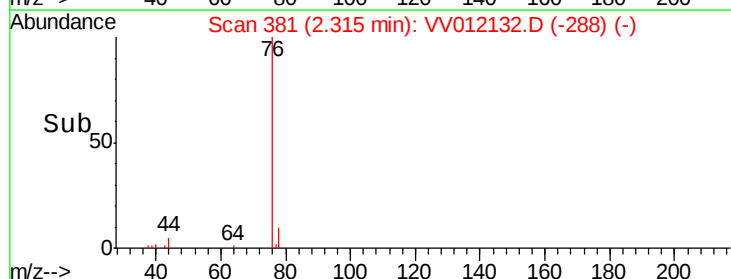
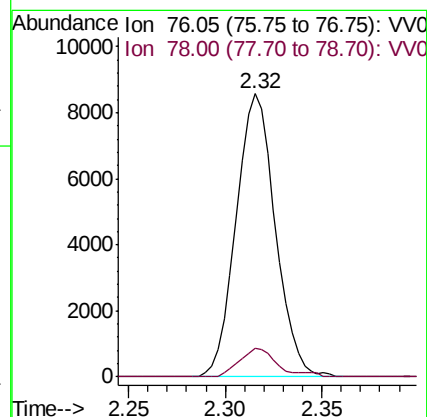
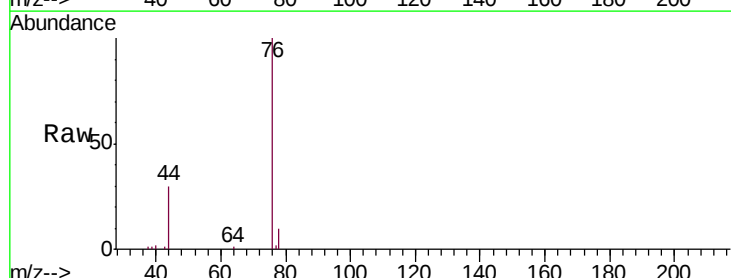
Acq: 08 Aug 2019 18:34

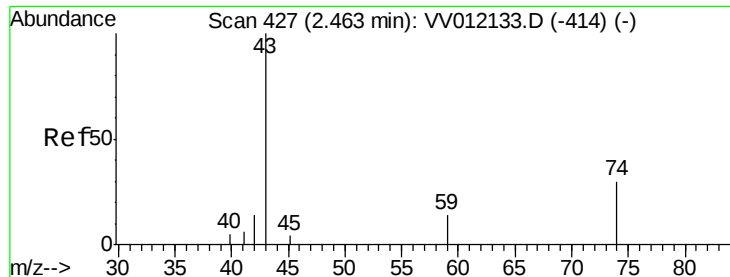
Tgt Ion: 76 Resp: 12050

Ion Ratio Lower Upper

76 100

78 10.0 7.8 11.8

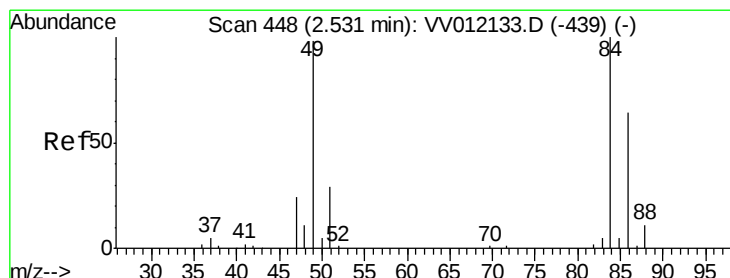
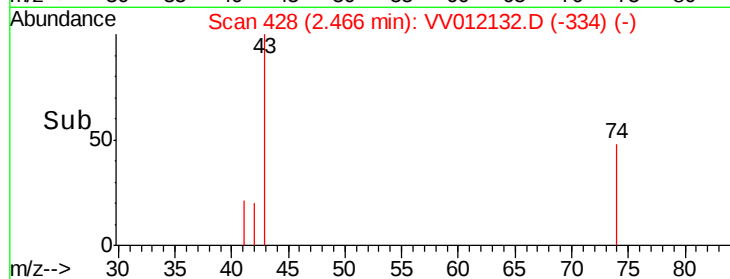
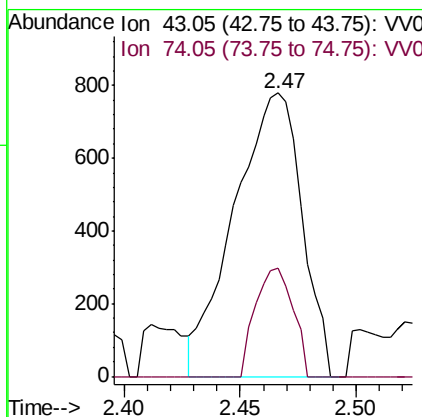
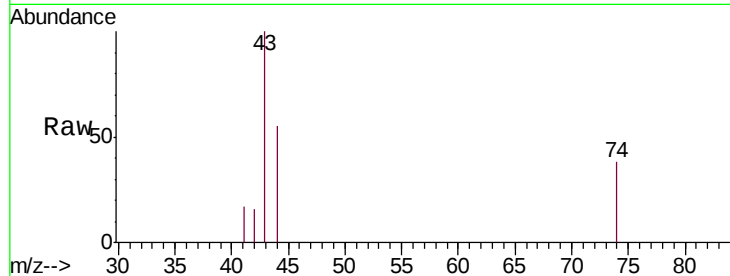




#15
Methyl Acetate
Concen: 0.939 ug/L
RT: 2.47 min Scan# 428
Delta R.T. 0.00 min
Lab File: VV012132.D
Acq: 08 Aug 2019 18:34

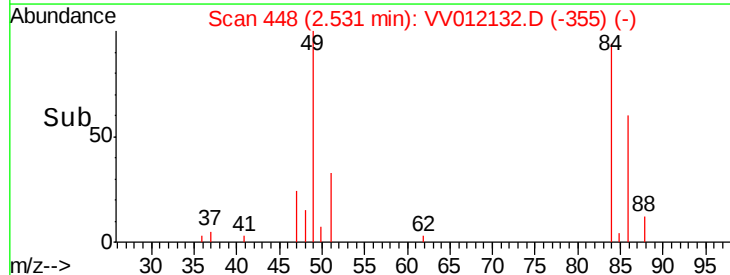
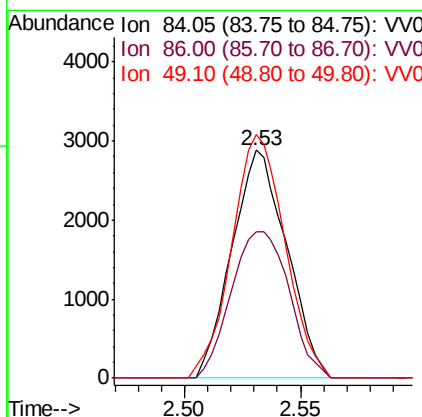
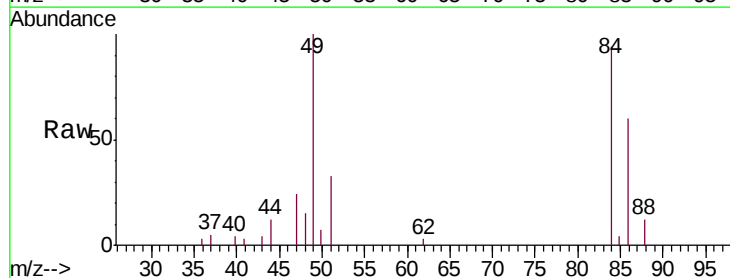
Instrument :
MSVOA_V
ClientSampleId :
VSTD00135

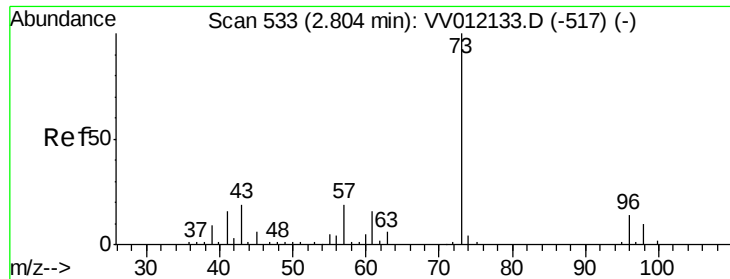
Tgt Ion: 43 Resp: 1582
Ion Ratio Lower Upper
43 100
74 21.4 24.6 36.8#



#16
Methylene chloride
Concen: 0.932 ug/L
RT: 2.53 min Scan# 448
Delta R.T. 0.00 min
Lab File: VV012132.D
Acq: 08 Aug 2019 18:34

Tgt Ion: 84 Resp: 4731
Ion Ratio Lower Upper
84 100
86 64.0 45.4 84.2
49 106.8 69.2 128.4

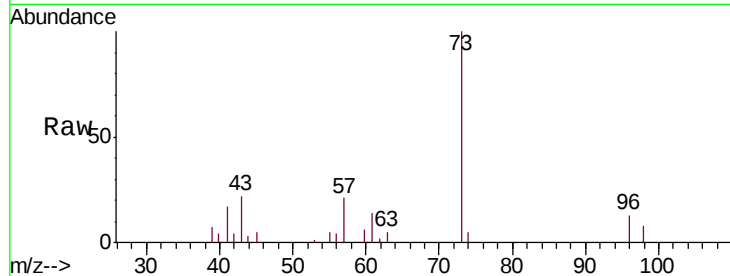




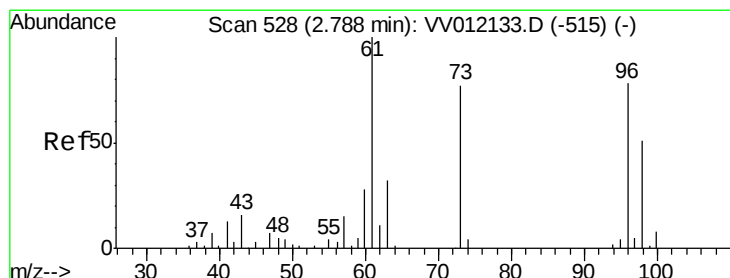
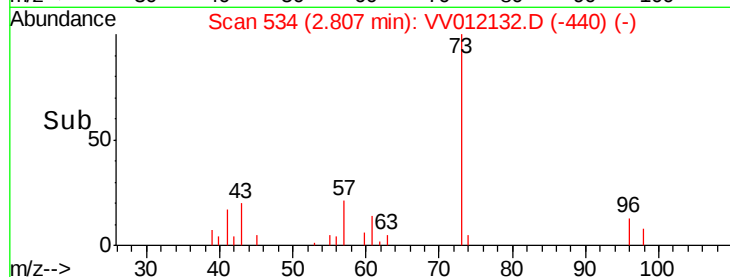
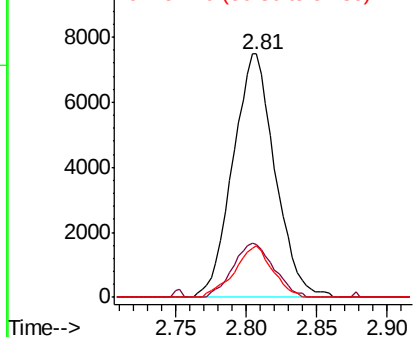
#17
Methyl tert-butyl Ether
Concen: 0.952 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV012132.D
Acq: 08 Aug 2019 18:34

Instrument :
MSVOA_V
ClientSampleId :
VSTD00135

Tgt Ion: 73 Resp: 15659
Ion Ratio Lower Upper
73 100
43 21.3 15.9 23.9
57 18.9 15.0 22.4

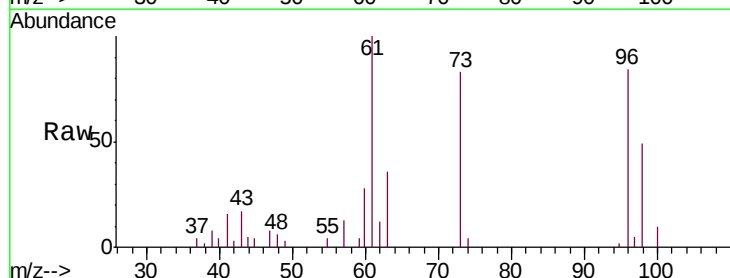


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

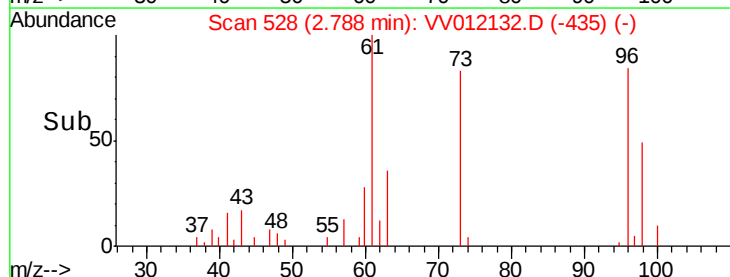
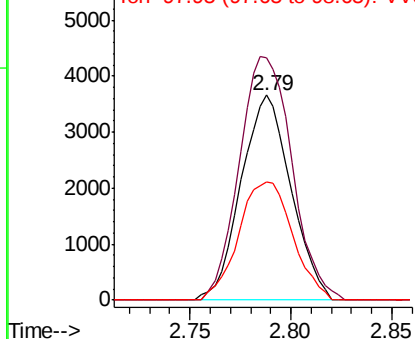


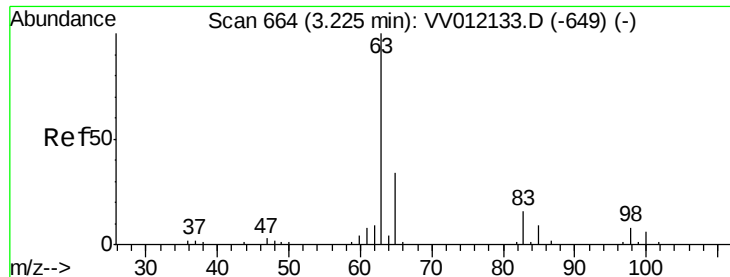
#18
trans-1,2-Dichloroethene
Concen: 0.862 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV012132.D
Acq: 08 Aug 2019 18:34

Tgt Ion: 96 Resp: 6334
Ion Ratio Lower Upper
96 100
61 118.4 89.9 167.0
98 57.7 45.6 84.6



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

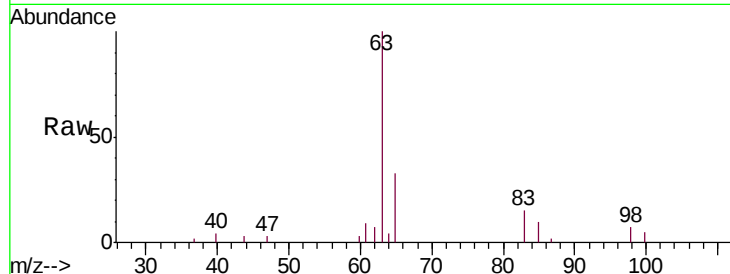




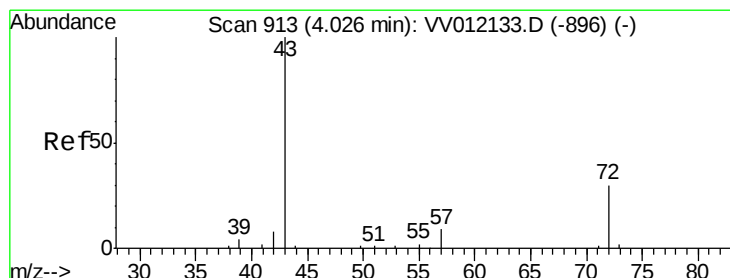
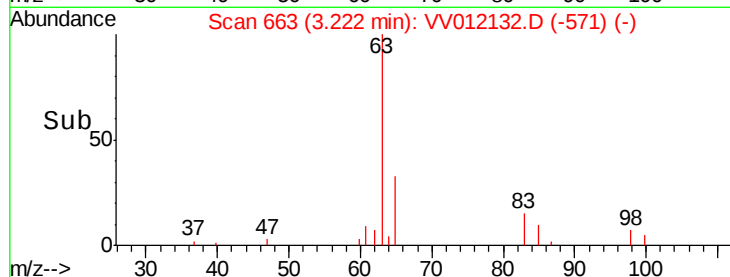
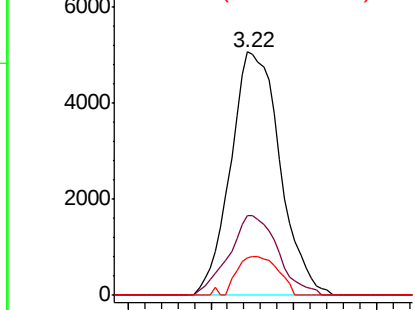
#19
 1,1-Dichloroethane
 Concen: 0.821 ug/L
 RT: 3.22 min Scan# 663
 Delta R.T. -0.00 min
 Lab File: VV012132.D
 Acq: 08 Aug 2019 18:34

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00135

Tgt Ion: 63 Resp: 10491
 Ion Ratio Lower Upper
 63 100
 65 32.6 23.5 43.7
 83 15.4 11.0 20.4

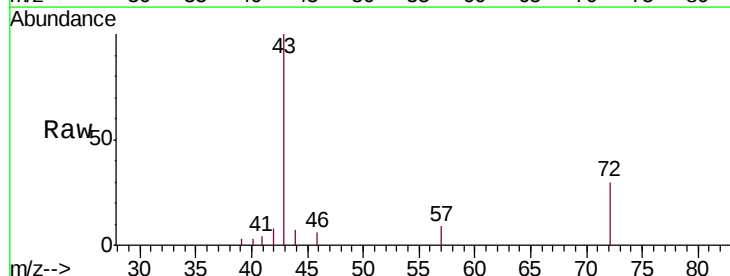


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

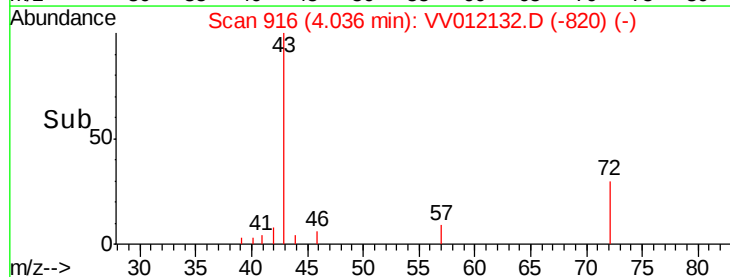
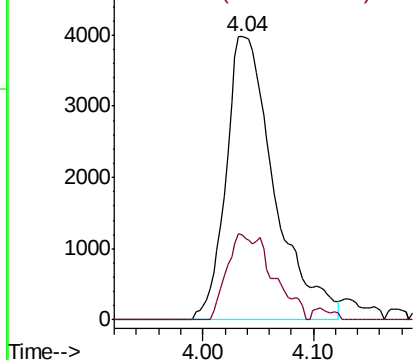


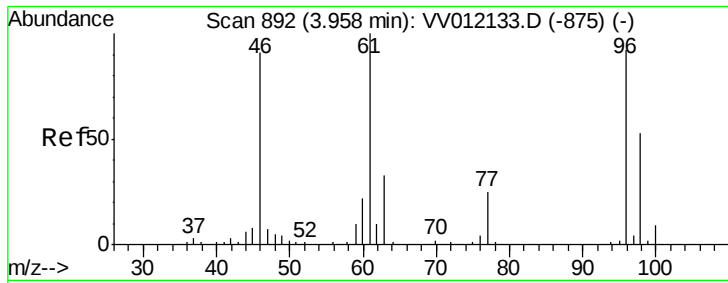
#21
 2-Butanone
 Concen: 8.296 ug/L
 RT: 4.04 min Scan# 916
 Delta R.T. 0.01 min
 Lab File: VV012132.D
 Acq: 08 Aug 2019 18:34

Tgt Ion: 43 Resp: 12113
 Ion Ratio Lower Upper
 43 100
 72 15.7 14.8 44.3



Abundance Ion 43.05 (42.75 to 43.75): VV0
 Ion 72.10 (71.80 to 72.80): VV0



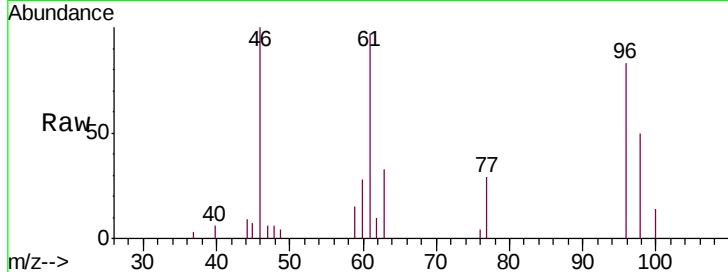


#22

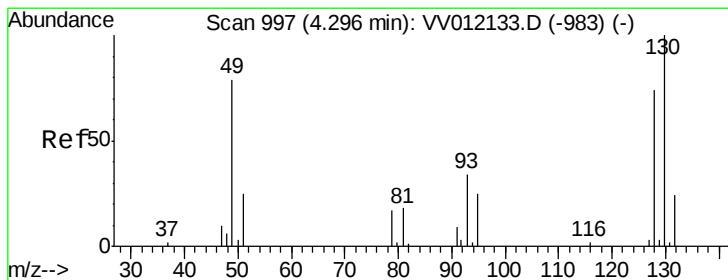
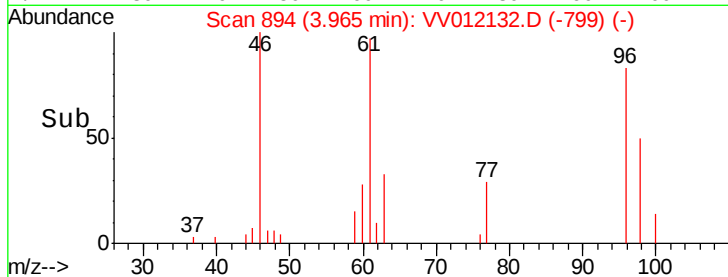
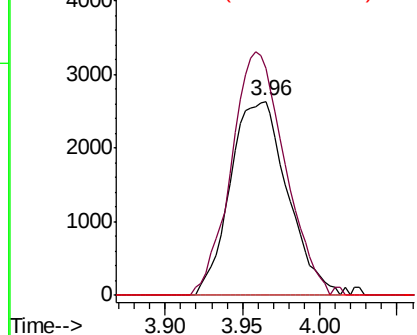
cis-1,2-Dichloroethene
Concen: 0.854 ug/L
RT: 3.96 min Scan# 894
Delta R.T. 0.01 min
Lab File: VV012132.D
Acq: 08 Aug 2019 18:34

Instrument :
MSVOA_V
ClientSampleId :
VSTD00135

Tgt Ion: 96 Resp: 6776
Ion Ratio Lower Upper
96 100
61 116.8 76.2 141.4
68 0.0 0.0 0.0



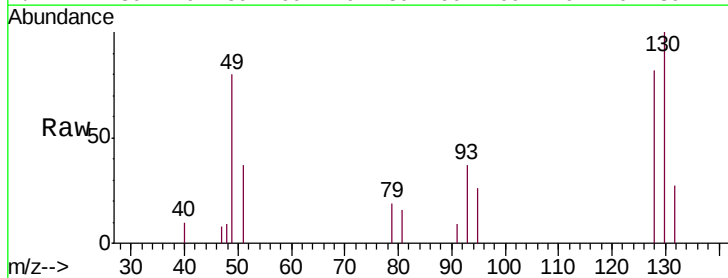
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



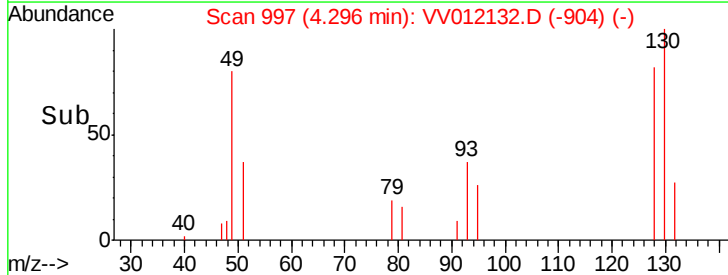
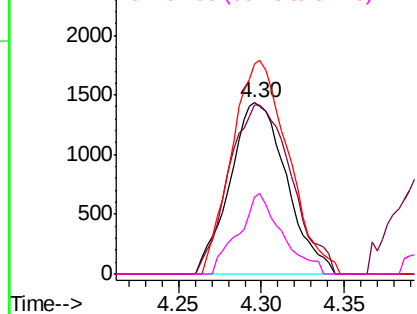
#23

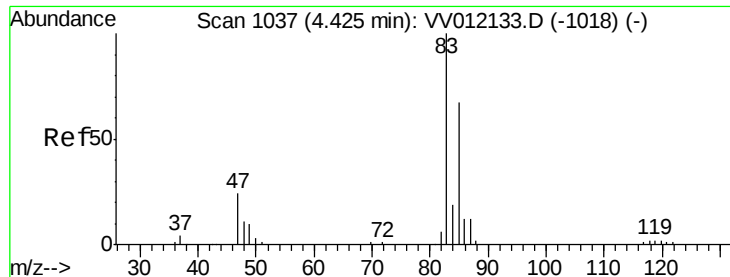
Bromochloromethane
Concen: 0.950 ug/L
RT: 4.30 min Scan# 997
Delta R.T. 0.00 min
Lab File: VV012132.D
Acq: 08 Aug 2019 18:34

Tgt Ion: 128 Resp: 3402
Ion Ratio Lower Upper
128 100
49 98.5 74.6 138.6
130 122.4 94.0 174.6
51 45.2 26.9 40.3#



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

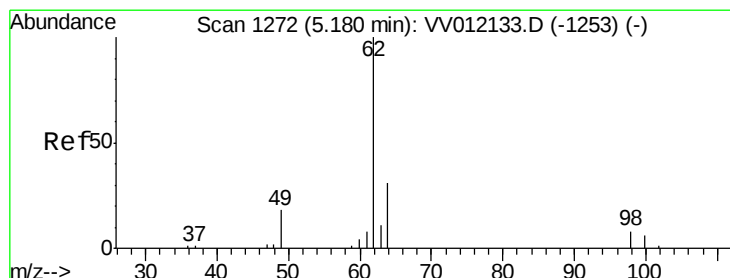
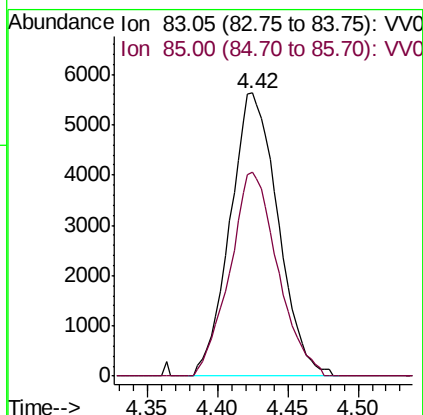
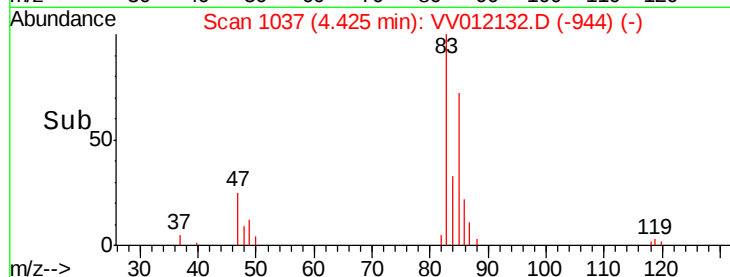
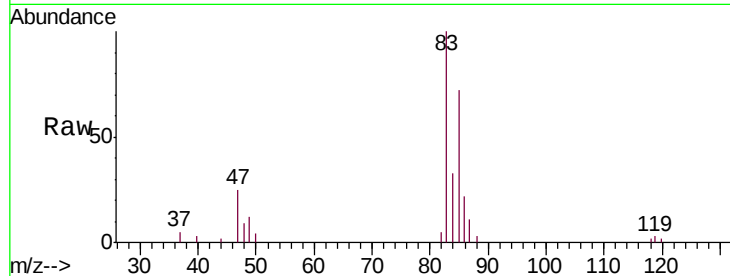




#25
Chloroform
Concen: 0.804 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV012132.D
Acq: 08 Aug 2019 18:34

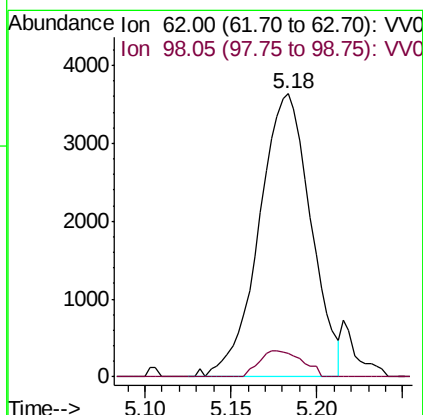
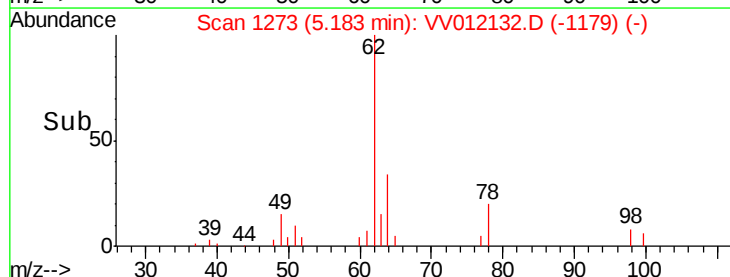
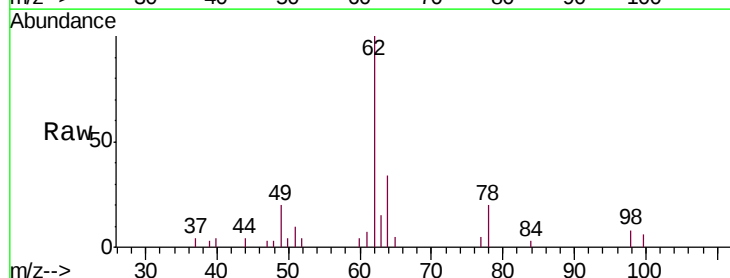
Instrument :
MSVOA_V
ClientSampleId :
VSTD00135

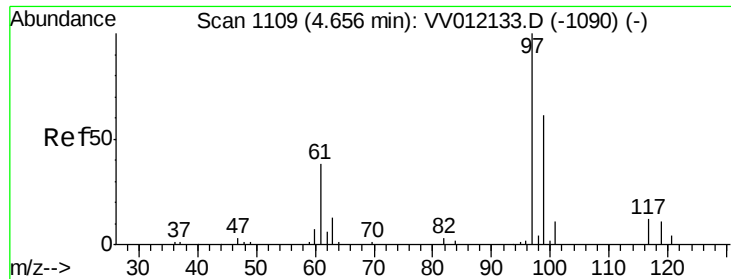
Tgt Ion: 83 Resp: 13362
Ion Ratio Lower Upper
83 100
85 72.1 47.1 87.5



#27
1,2-Dichloroethane
Concen: 0.814 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV012132.D
Acq: 08 Aug 2019 18:34

Tgt Ion: 62 Resp: 7576
Ion Ratio Lower Upper
62 100
98 8.4 6.4 9.6

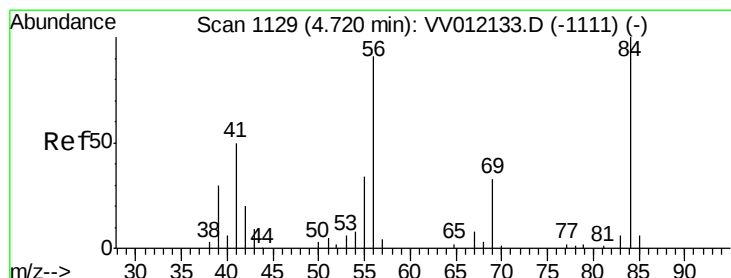
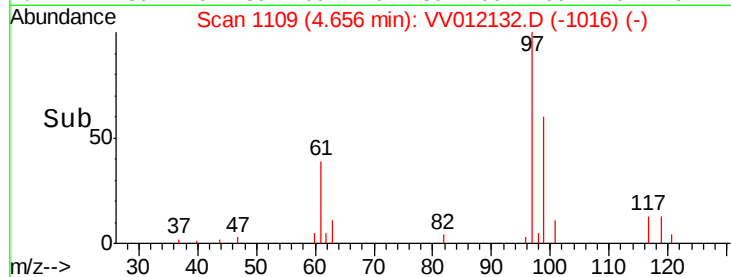
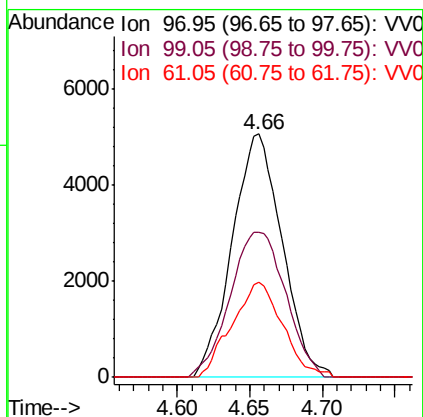
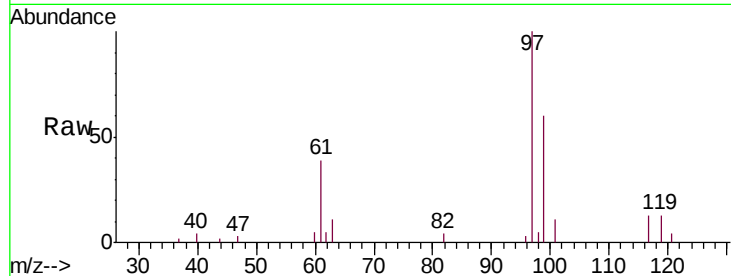




#29
1,1,1-Trichloroethane
Concen: 0.871 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. 0.00 min
Lab File: VV012132.D
Acq: 08 Aug 2019 18:34

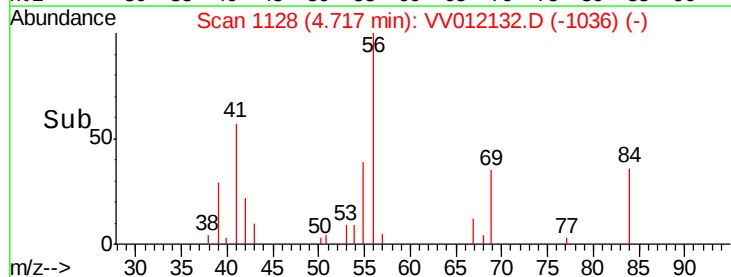
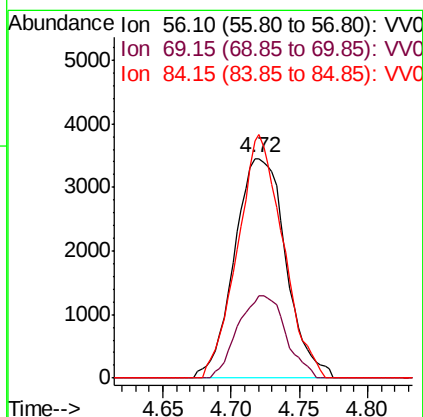
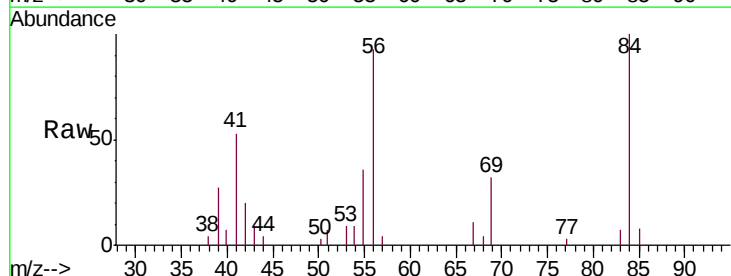
Instrument :
MSVOA_V
ClientSampleId :
VSTD00135

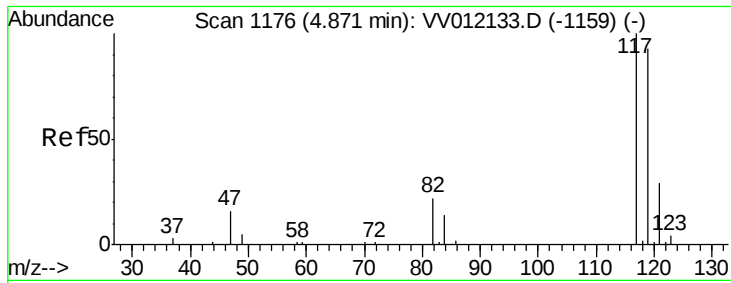
Tgt Ion: 97 Resp: 12140
Ion Ratio Lower Upper
97 100
99 66.4 52.0 78.0
61 39.7 31.4 47.0



#30
Cyclohexane
Concen: 0.866 ug/L
RT: 4.72 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VV012132.D
Acq: 08 Aug 2019 18:34

Tgt Ion: 56 Resp: 9039
Ion Ratio Lower Upper
56 100
69 34.7 28.0 42.0
84 97.8 85.4 128.0





#31

Carbon tetrachloride

Concen: 0.920 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV012132.D

Acq: 08 Aug 2019 18:34

Instrument :

MSVOA_V

ClientSampleId :

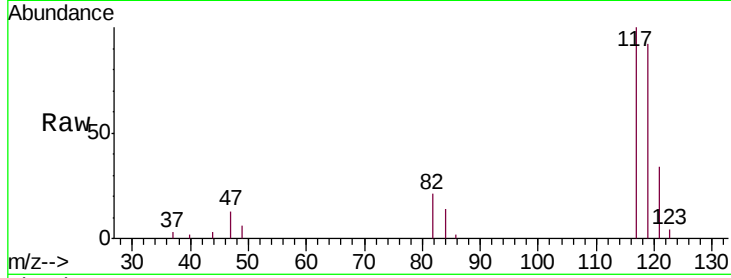
VSTD00135

Tgt Ion:117 Resp: 11620

Ion Ratio Lower Upper

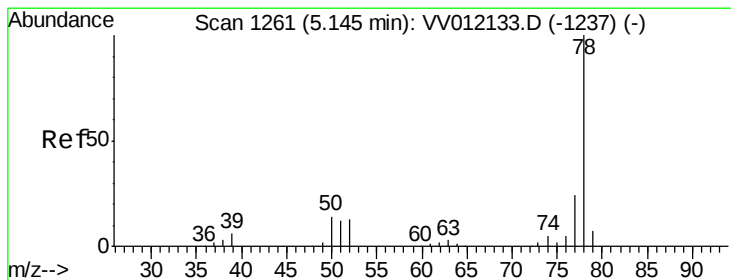
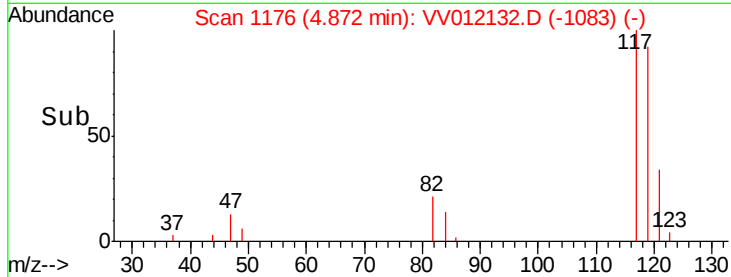
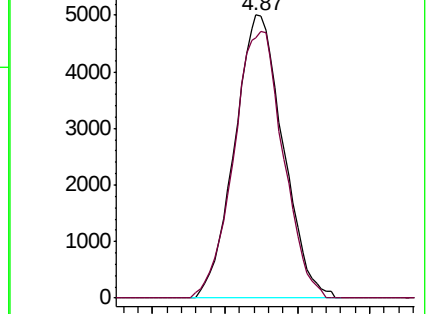
117 100

119 95.8 77.0 115.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.857 ug/L

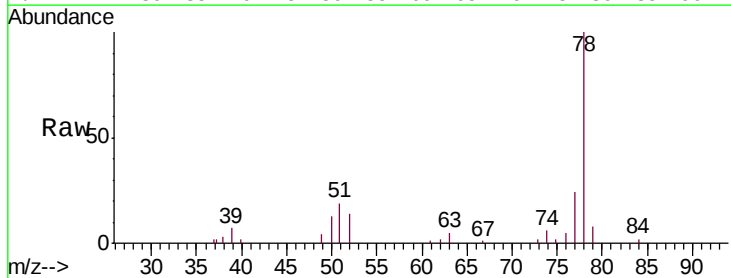
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

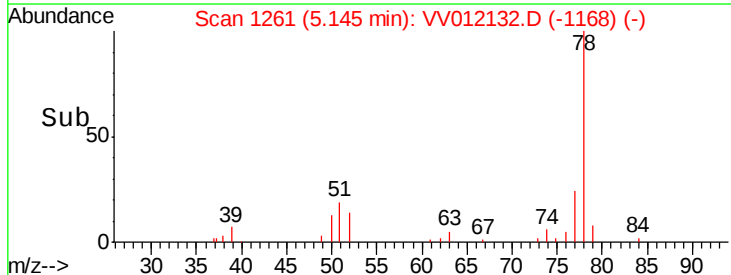
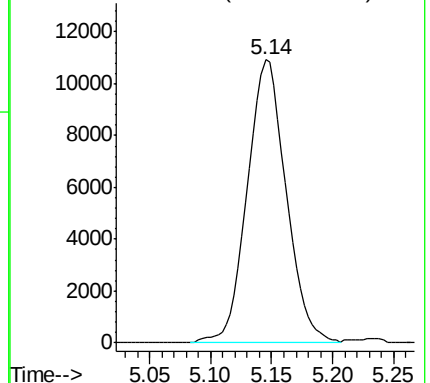
Lab File: VV012132.D

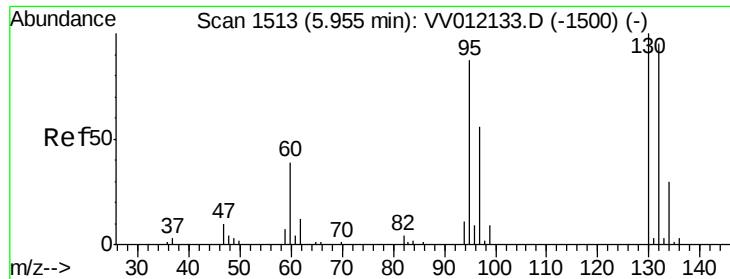
Acq: 08 Aug 2019 18:34

Tgt Ion: 78 Resp: 24075



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 0.896 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV012132.D

Acq: 08 Aug 2019 18:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD00135

Tgt Ion: 95 Resp: 7311

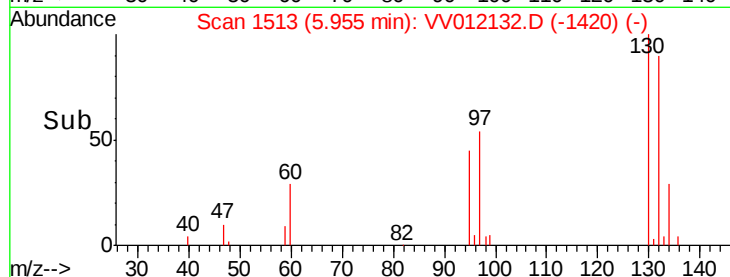
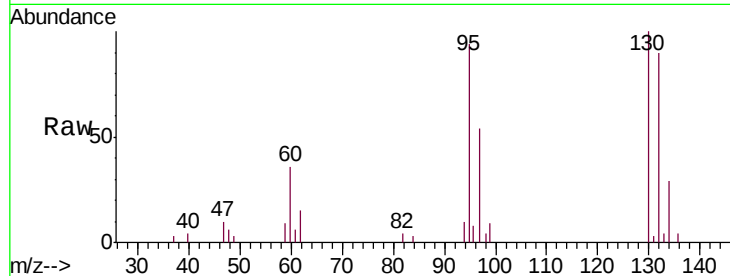
Ion Ratio Lower Upper

95 100

97 52.7 44.6 82.8

132 88.1 75.9 141.1

130 97.9 80.2 148.9

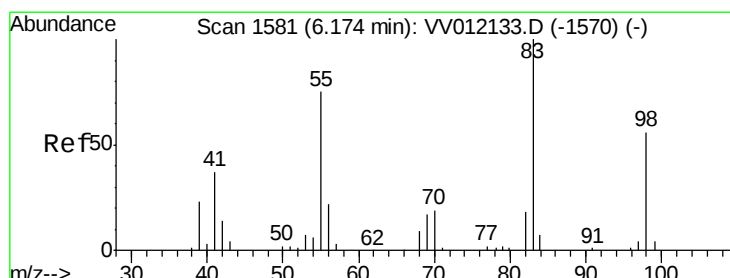
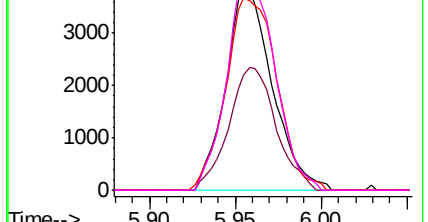


Abundance Ion 95.00 (94.70 to 95.70): VV012133.D (-1500) (-)

Ion 96.95 (96.65 to 97.65): VV012133.D (-1500) (-)

Ion 131.95 (131.65 to 132.65): VV012133.D (-1500) (-)

Ion 129.95 (129.65 to 130.65): VV012133.D (-1500) (-)



#35

Methylcyclohexane

Concen: 0.881 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV012132.D

Acq: 08 Aug 2019 18:34

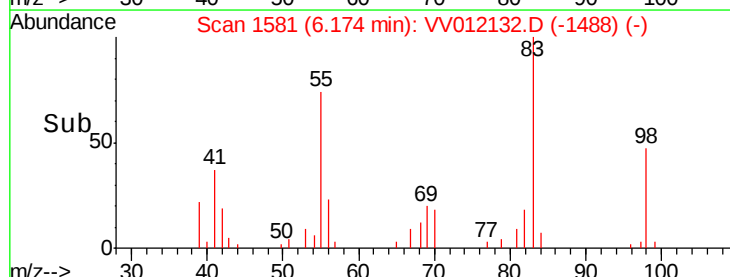
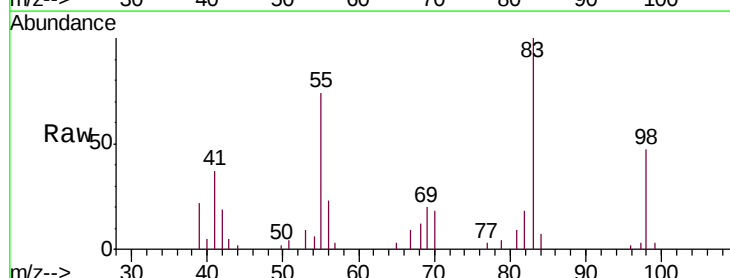
Tgt Ion: 83 Resp: 10896

Ion Ratio Lower Upper

83 100

55 68.6 55.0 82.6

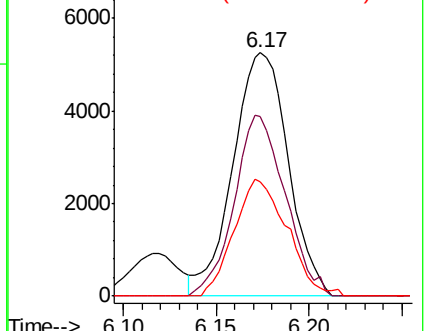
98 46.0 40.4 60.6

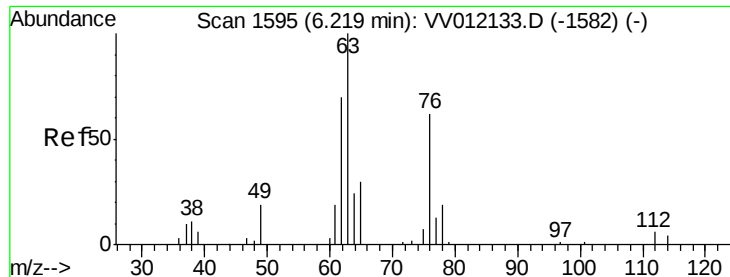


Abundance Ion 83.15 (82.85 to 83.85): VV012133.D (-1570) (-)

Ion 55.10 (54.80 to 55.80): VV012133.D (-1570) (-)

Ion 98.15 (97.85 to 98.85): VV012133.D (-1570) (-)

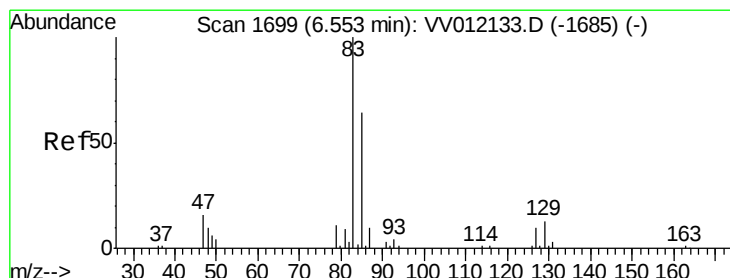
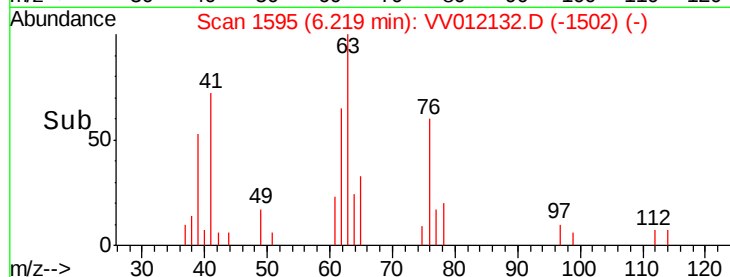
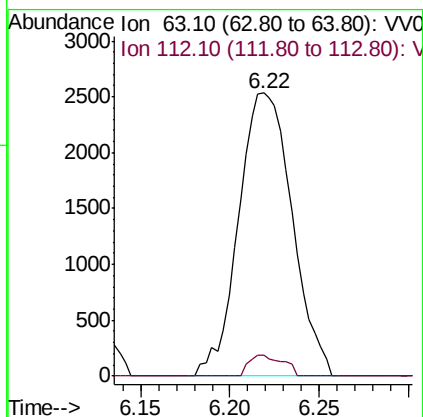
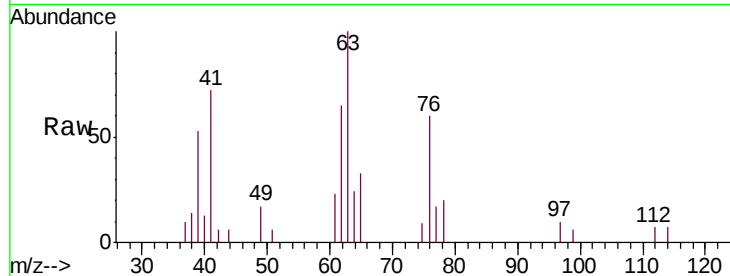




#37
 1,2-Dichloropropane
 Concen: 0.821 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV012132.D
 Acq: 08 Aug 2019 18:34

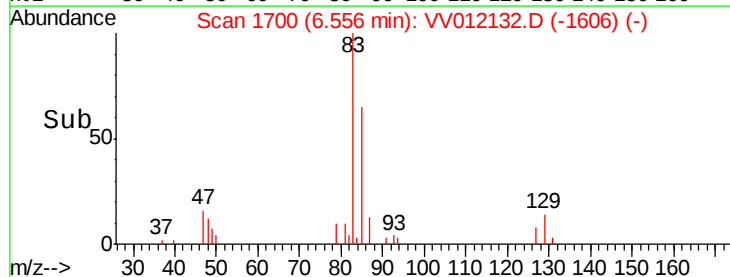
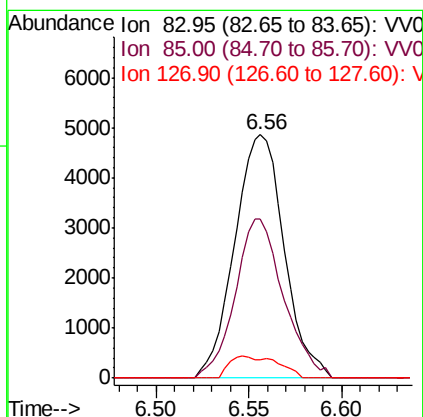
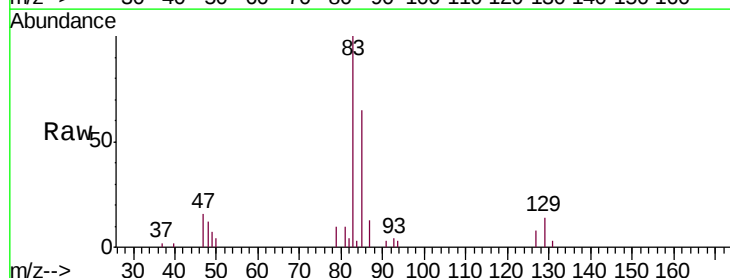
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00135

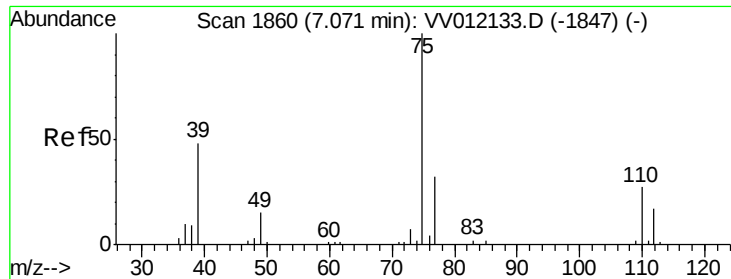
Tgt Ion: 63 Resp: 5310
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.9 5.9



#38
 Bromodichloromethane
 Concen: 0.922 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV012132.D
 Acq: 08 Aug 2019 18:34

Tgt Ion: 83 Resp: 8982
 Ion Ratio Lower Upper
 83 100
 85 65.1 44.9 83.5
 127 7.6 8.2 12.2#

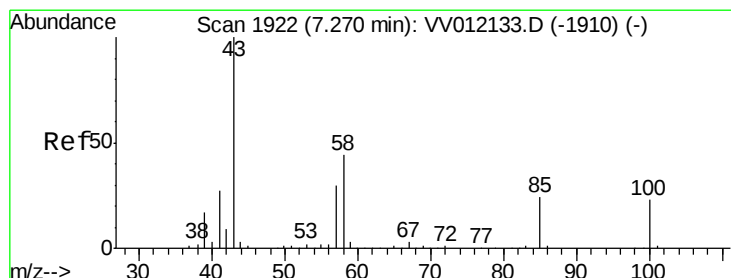
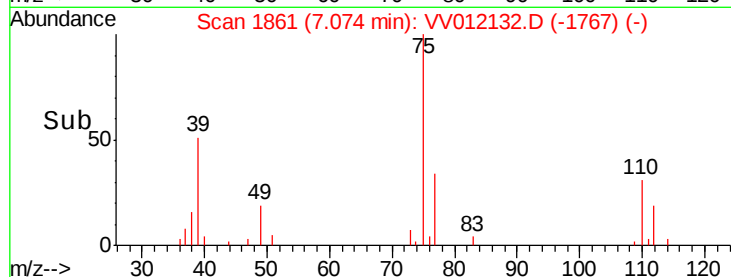
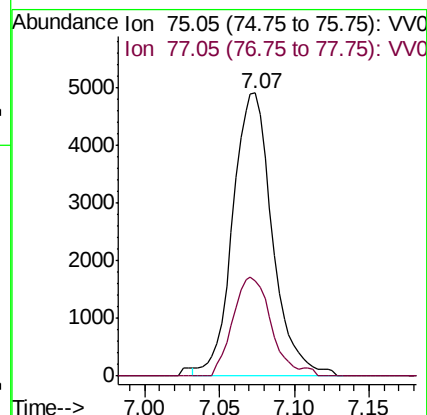
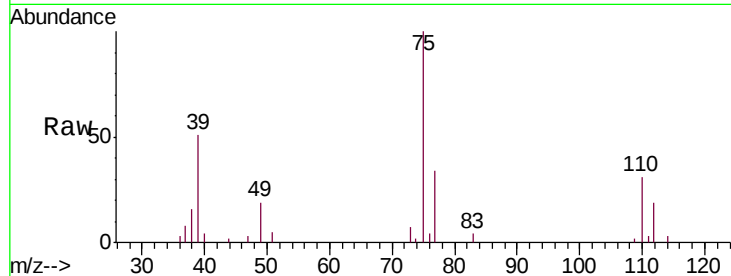




#39
 cis-1,3-Dichloropropene
 Concen: 0.888 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV012132.D
 Acq: 08 Aug 2019 18:34

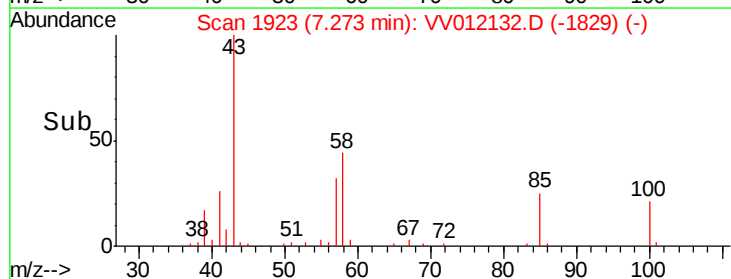
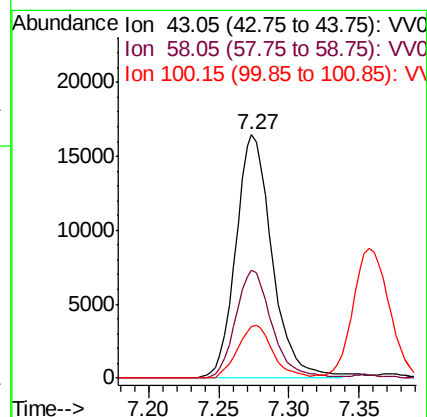
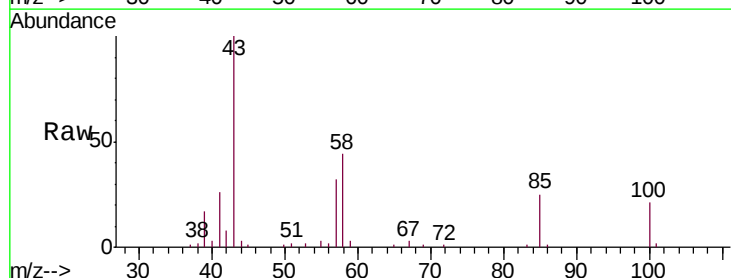
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00135

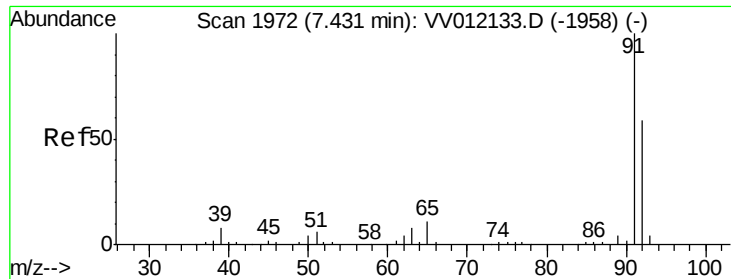
Tgt Ion: 75 Resp: 9063
 Ion Ratio Lower Upper
 75 100
 77 33.7 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 8.372 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VV012132.D
 Acq: 08 Aug 2019 18:34

Tgt Ion: 43 Resp: 29628
 Ion Ratio Lower Upper
 43 100
 58 44.1 34.2 51.2
 100 21.0 17.0 25.6





#42

Toluene

Concen: 0.878 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012132.D

Acq: 08 Aug 2019 18:34

Instrument :

MSVOA_V

ClientSampleId :

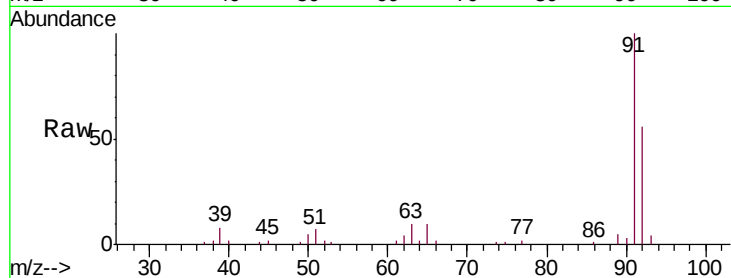
VSTD00135

Tgt Ion: 91 Resp: 27174

Ion Ratio Lower Upper

91 100

92 56.5 41.4 77.0



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

15000

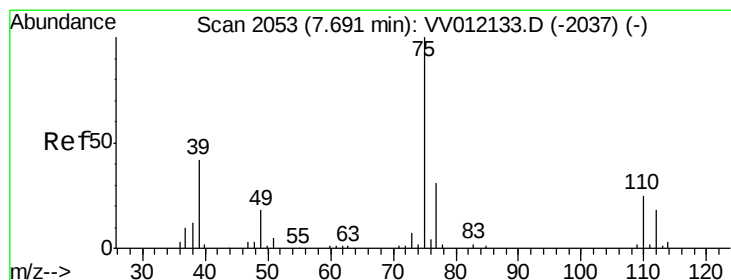
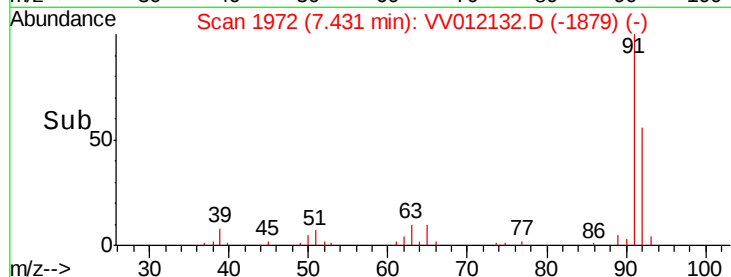
10000

5000

0

Time-->

7.35 7.40 7.45 7.50



#44

trans-1,3-Dichloropropene

Concen: 0.861 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV012132.D

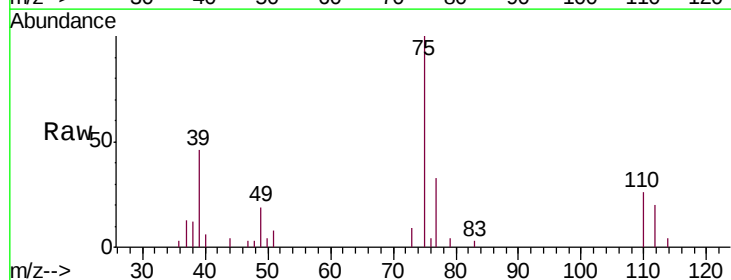
Acq: 08 Aug 2019 18:34

Tgt Ion: 75 Resp: 7196

Ion Ratio Lower Upper

75 100

77 32.8 22.0 41.0



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.69

4000

3000

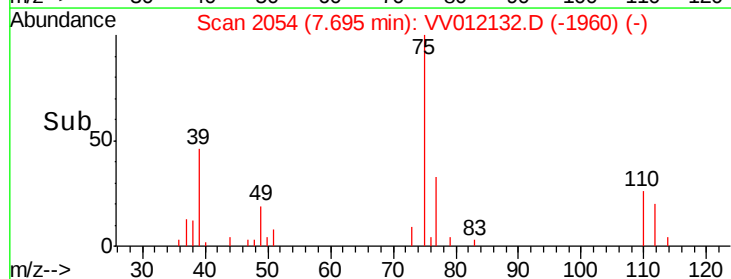
2000

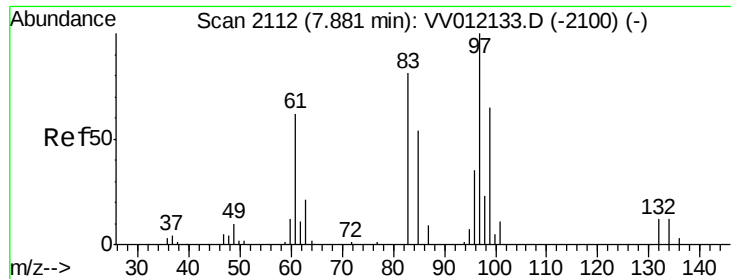
1000

0

Time-->

7.65 7.70 7.75

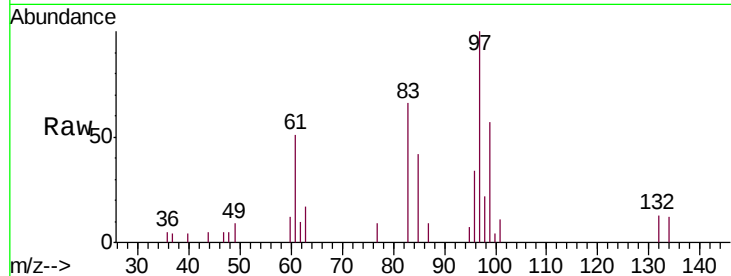




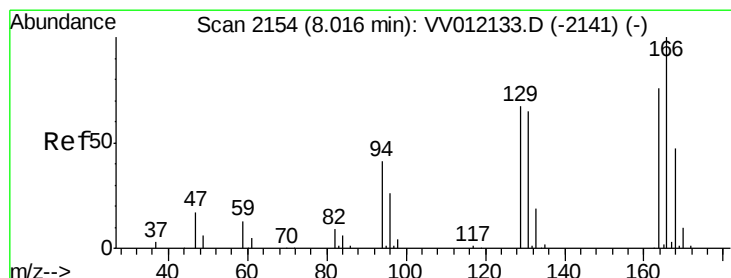
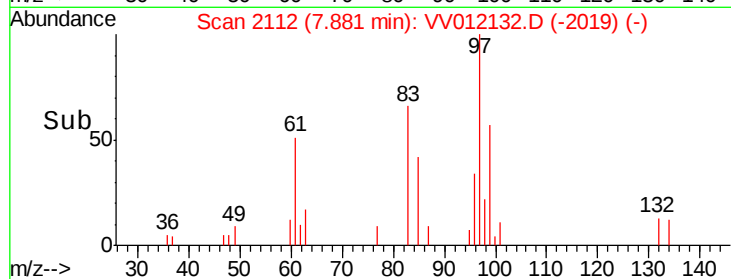
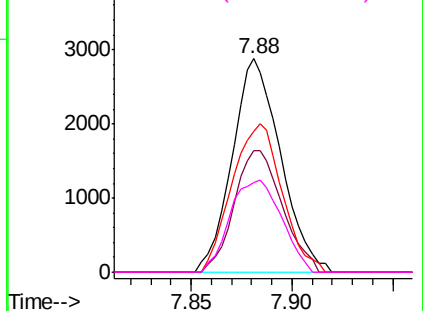
#45
 1,1,2-Trichloroethane
 Concen: 0.982 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV012132.D
 Acq: 08 Aug 2019 18:34

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00135

Tgt Ion: 97 Resp: 4828
 Ion Ratio Lower Upper
 97 100
 99 56.7 45.2 84.0
 83 66.2 56.8 105.4
 85 42.0 37.9 70.5

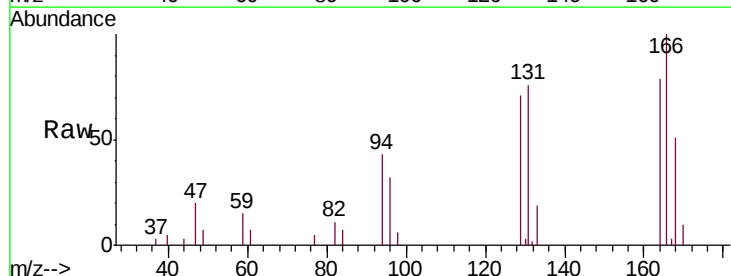


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

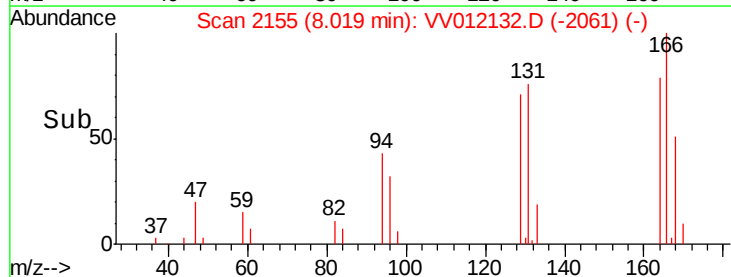
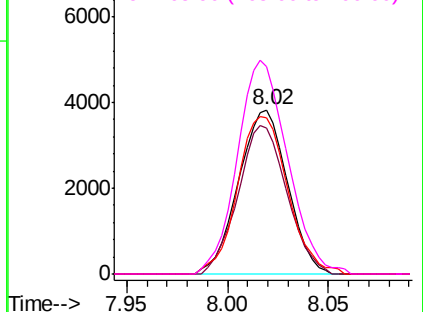


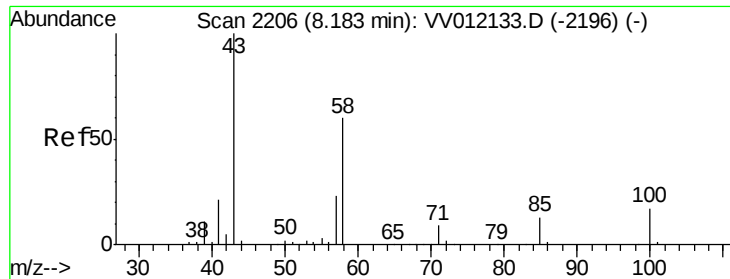
#47
 Tetrachloroethene
 Concen: 0.857 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV012132.D
 Acq: 08 Aug 2019 18:34

Tgt Ion: 164 Resp: 6482
 Ion Ratio Lower Upper
 164 100
 129 89.3 62.2 115.4
 131 95.4 60.1 111.5
 166 126.3 92.2 171.2



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

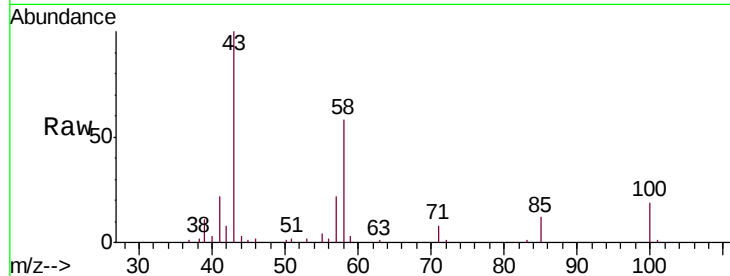




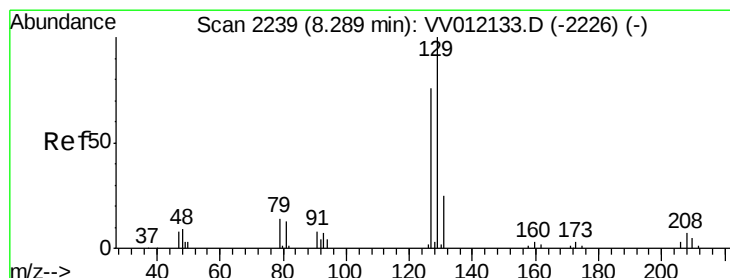
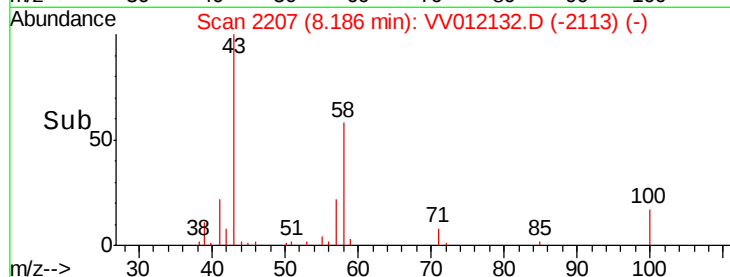
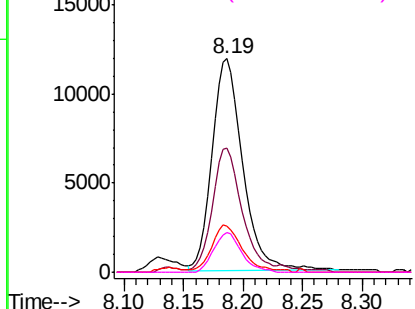
#48
2-Hexanone
Concen: 8.641 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV012132.D
Acq: 08 Aug 2019 18:34

Instrument :
MSVOA_V
ClientSampleId :
VSTD00135

Tgt Ion: 43 Resp: 21398
Ion Ratio Lower Upper
43 100
58 58.8 46.4 69.6
57 22.4 17.7 26.5
100 16.9 12.9 19.3

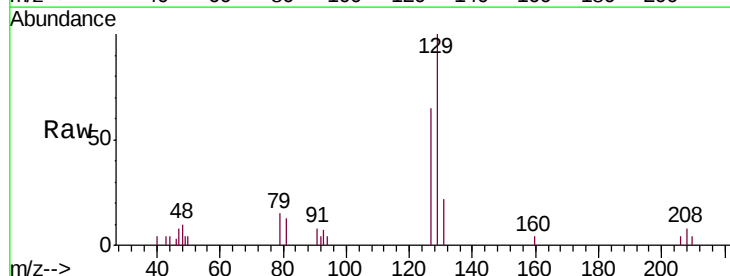


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

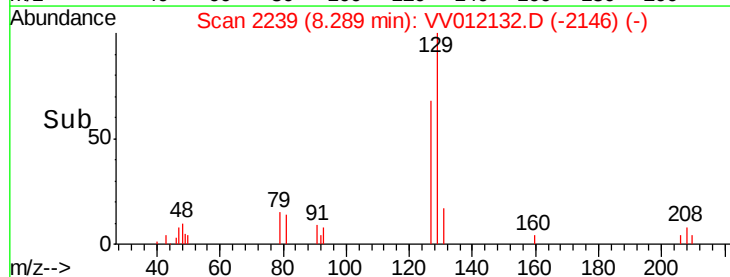
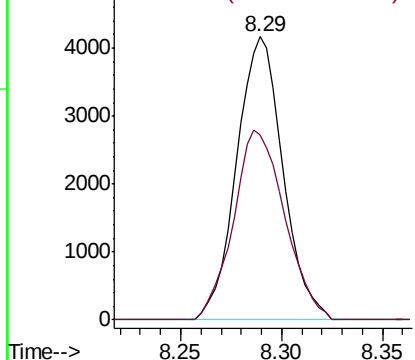


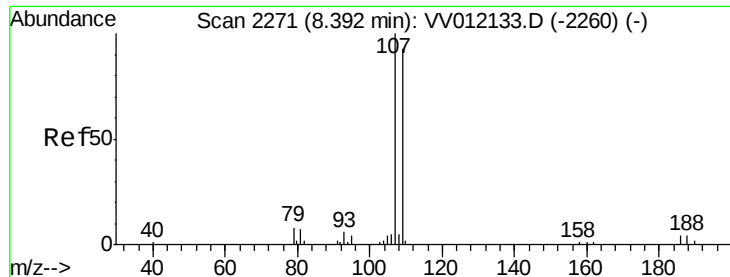
#49
Dibromochloromethane
Concen: 1.018 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV012132.D
Acq: 08 Aug 2019 18:34

Tgt Ion: 129 Resp: 6710
Ion Ratio Lower Upper
129 100
127 65.5 53.4 99.2



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

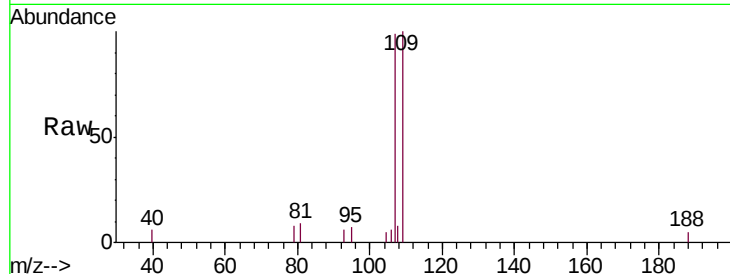




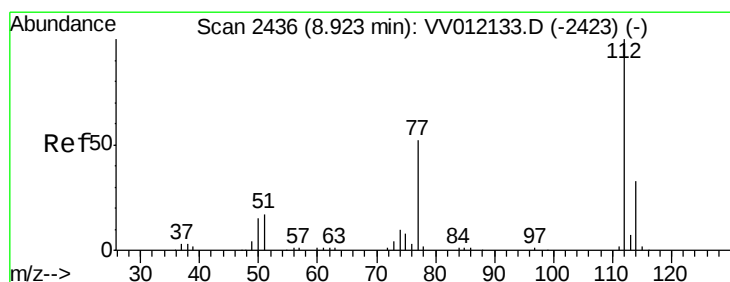
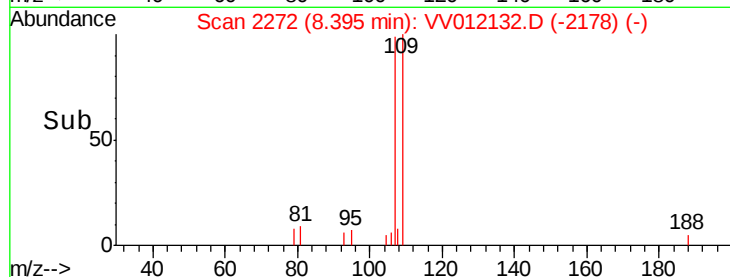
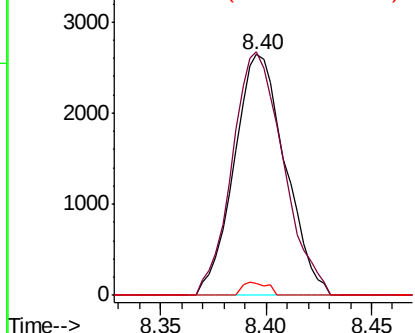
#50
1,2-Dibromoethane
Concen: 0.930 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV012132.D
Acq: 08 Aug 2019 18:34

Instrument :
MSVOA_V
ClientSampleId :
VSTD00135

Tgt Ion:107 Resp: 4466
Ion Ratio Lower Upper
107 100
109 101.1 65.1 120.9
188 4.9 3.5 5.3

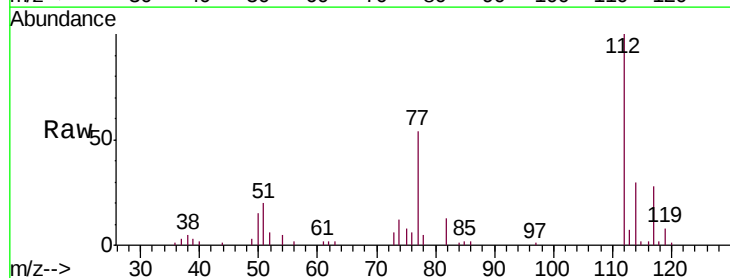


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

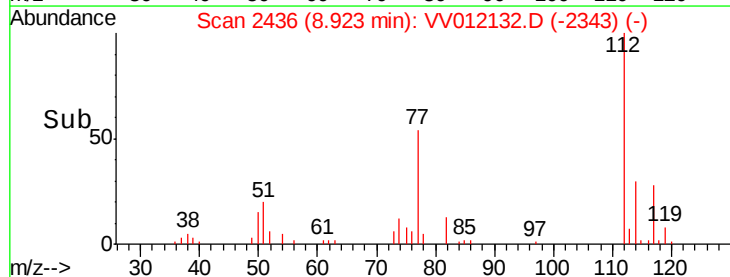
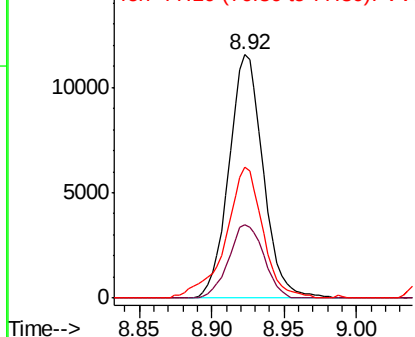


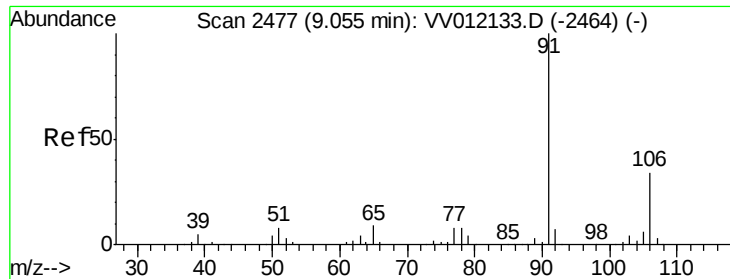
#51
Chlorobenzene
Concen: 0.896 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV012132.D
Acq: 08 Aug 2019 18:34

Tgt Ion:112 Resp: 18919
Ion Ratio Lower Upper
112 100
114 29.9 23.0 42.8
77 53.6 41.8 62.8



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: 0.881 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV012132.D

Acq: 08 Aug 2019 18:34

Instrument :

MSVOA_V

ClientSampleId :

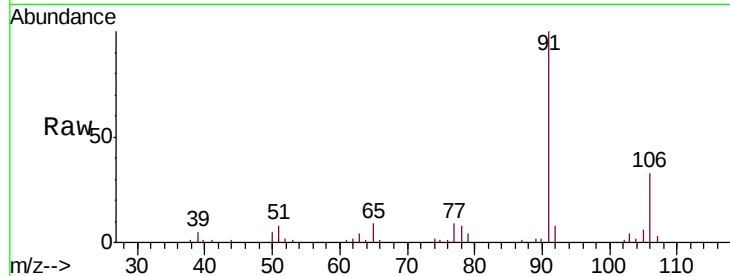
VSTD00135

Tgt Ion: 91 Resp: 31381

Ion Ratio Lower Upper

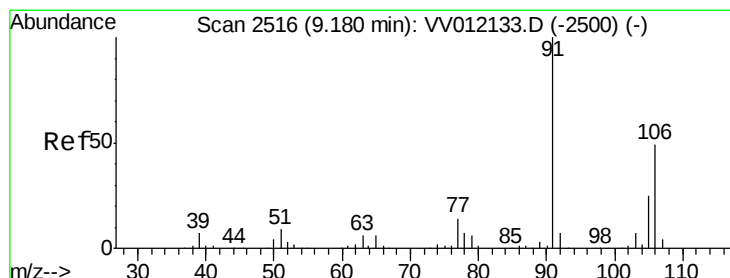
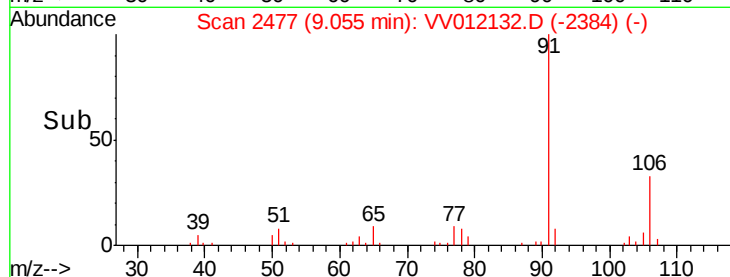
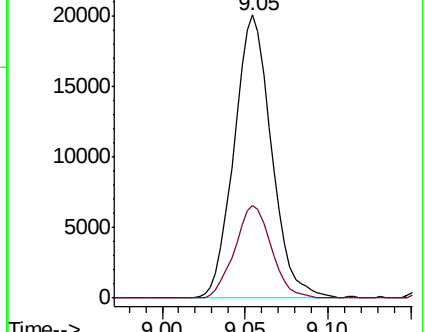
91 100

106 32.8 23.7 43.9



Abundance Ion 91.15 (90.85 to 91.85): VV012132.D (-2464) (-)

Ion 106.15 (105.85 to 106.85): VV012132.D (-2464) (-)



#53

m,p-xylene

Concen: 0.882 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV012132.D

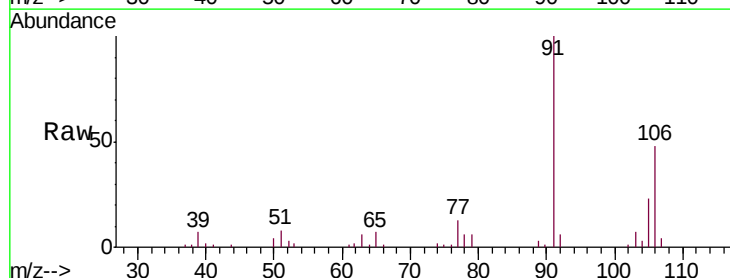
Acq: 08 Aug 2019 18:34

Tgt Ion: 106 Resp: 12105

Ion Ratio Lower Upper

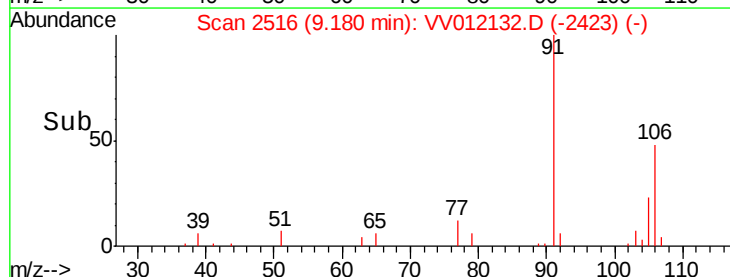
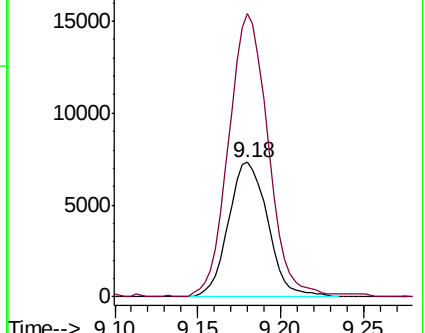
106 100

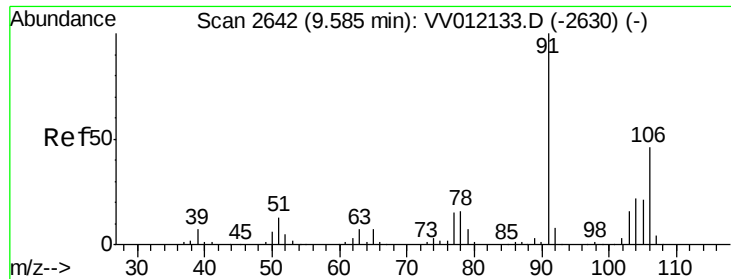
91 210.0 142.2 264.0



Abundance Ion 106.15 (105.85 to 106.85): VV012132.D (-2500) (-)

Ion 91.15 (90.85 to 91.85): VV012132.D (-2500) (-)

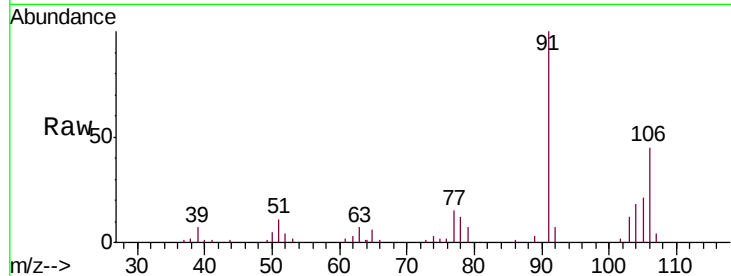




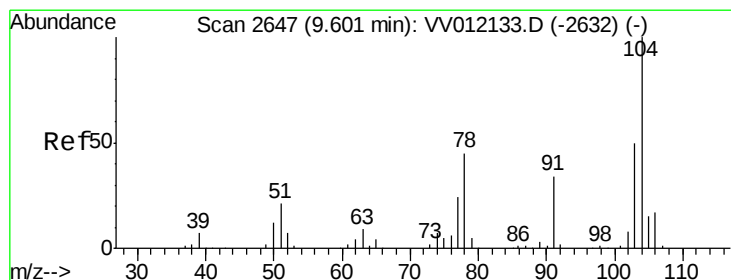
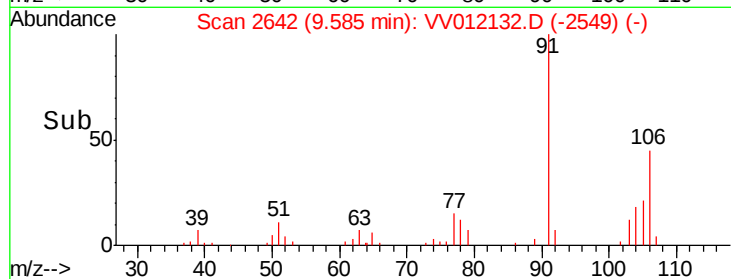
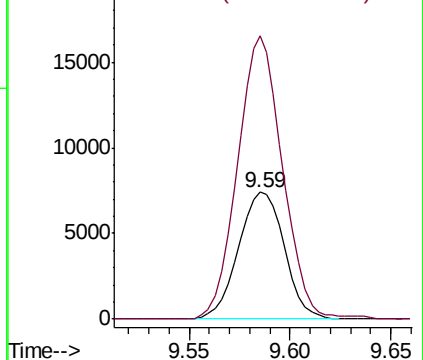
#54
o-xylene
Concen: 0.893 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV012132.D
Acq: 08 Aug 2019 18:34

Instrument :
MSVOA_V
ClientSampleId :
VSTD00135

Tgt Ion:106 Resp: 11772
Ion Ratio Lower Upper
106 100
91 223.2 150.8 280.1

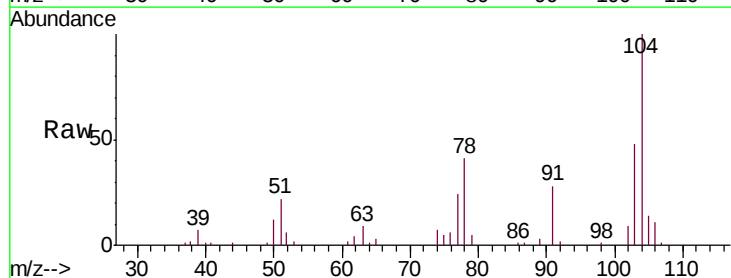


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

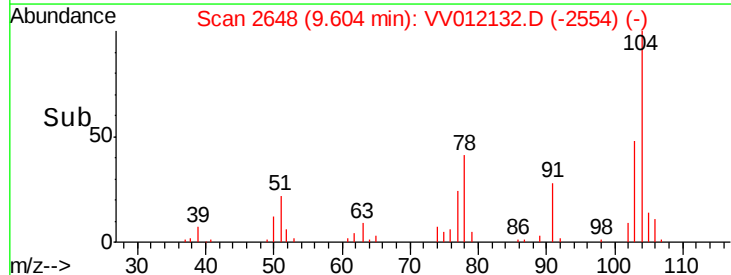
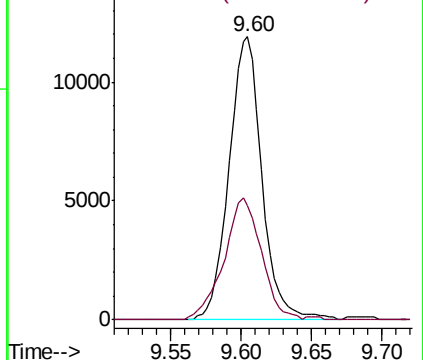


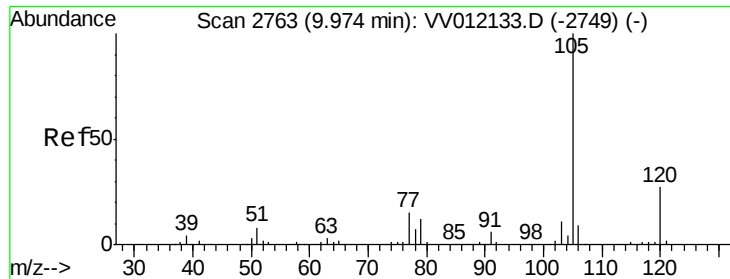
#55
Styrene
Concen: 0.872 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV012132.D
Acq: 08 Aug 2019 18:34

Tgt Ion:104 Resp: 19445
Ion Ratio Lower Upper
104 100
78 40.5 31.5 58.5



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.872 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV012132.D

Acq: 08 Aug 2019 18:34

Instrument :

MSVOA_V

ClientSampled :

VSTD00135

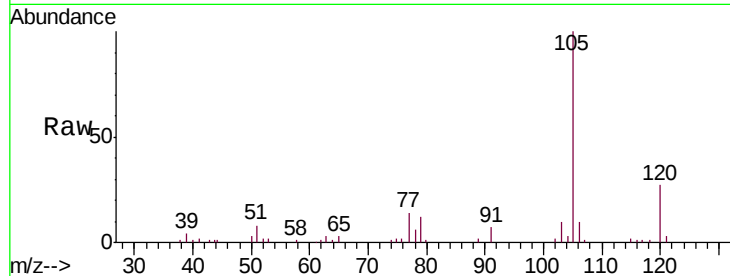
Tgt Ion: 105 Resp: 31846

Ion Ratio Lower Upper

105 100

120 27.6 21.4 32.2

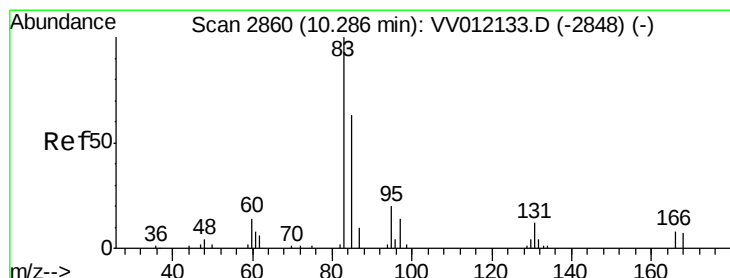
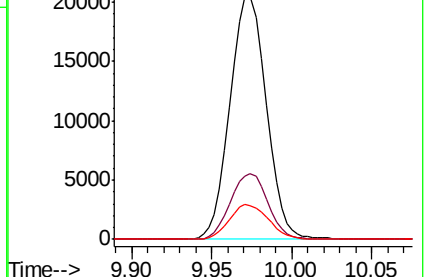
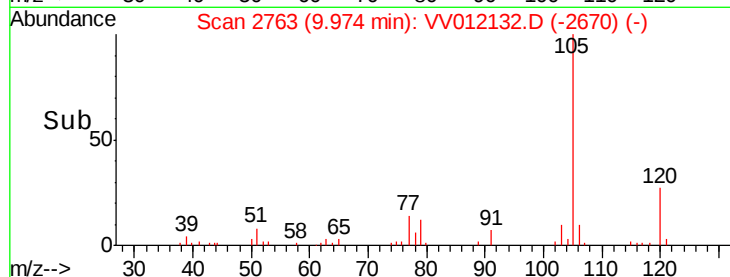
77 15.3 11.7 17.5



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: 0.903 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VV012132.D

Acq: 08 Aug 2019 18:34

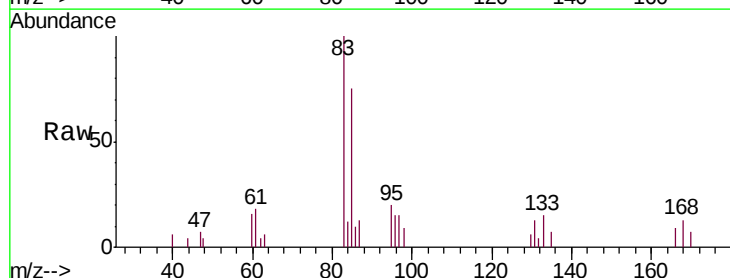
Tgt Ion: 83 Resp: 4929

Ion Ratio Lower Upper

83 100

85 74.8 45.1 83.9

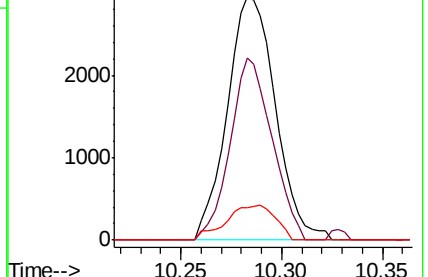
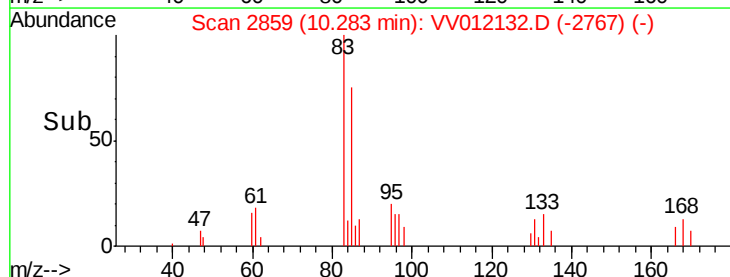
131 13.3 11.1 16.7

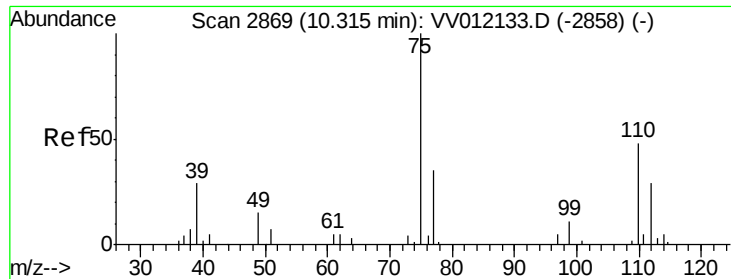


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

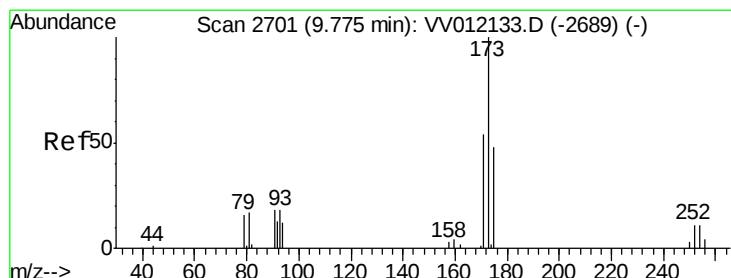
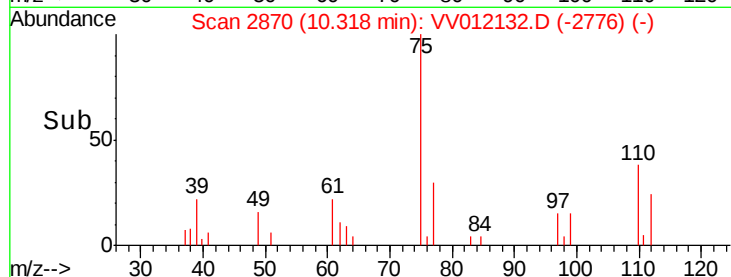
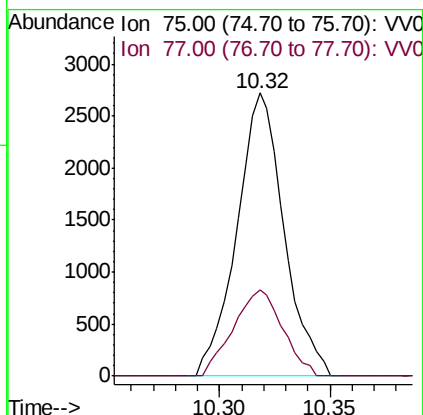
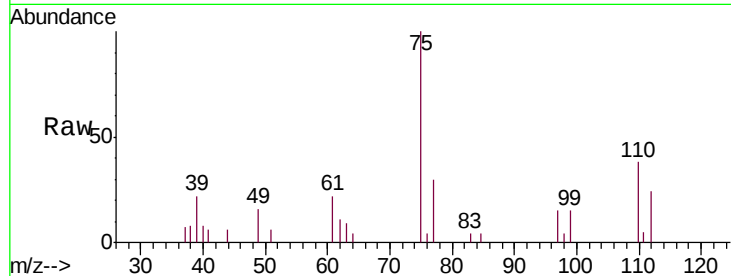




#59
 1,2,3-Trichloropropane
 Concen: 0.984 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV012132.D
 Acq: 08 Aug 2019 18:34

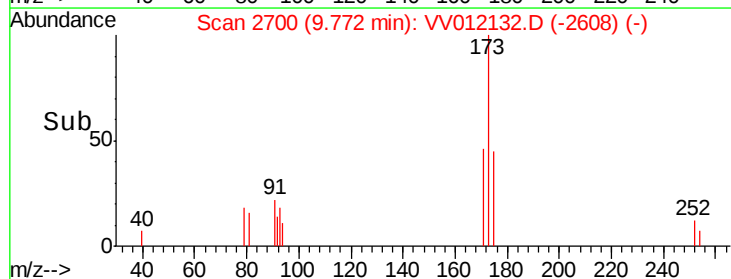
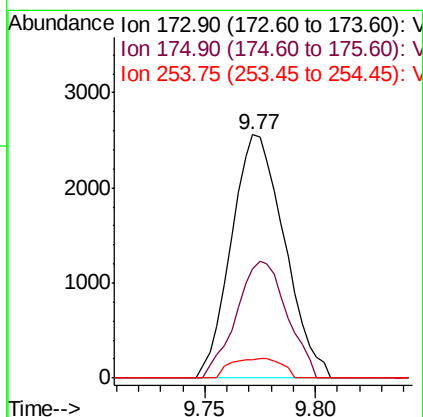
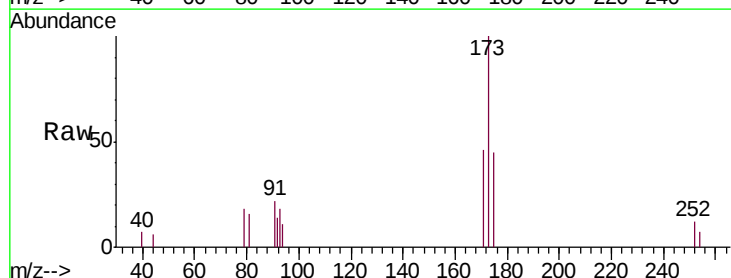
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00135

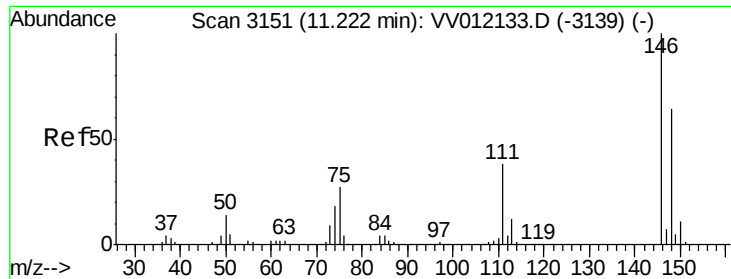
Tgt Ion: 75 Resp: 4044
 Ion Ratio Lower Upper
 75 100
 77 31.7 26.4 39.6



#61
 Bromoform
 Concen: 1.173 ug/L
 RT: 9.77 min Scan# 2700
 Delta R.T. -0.00 min
 Lab File: VV012132.D
 Acq: 08 Aug 2019 18:34

Tgt Ion: 173 Resp: 4272
 Ion Ratio Lower Upper
 173 100
 175 45.8 39.0 58.6
 254 7.7 8.4 12.6#





#62

1,3-Dichlorobenzene

Concen: 0.916 ug/L

RT: 11.22 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV012132.D

Acq: 08 Aug 2019 18:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD00135

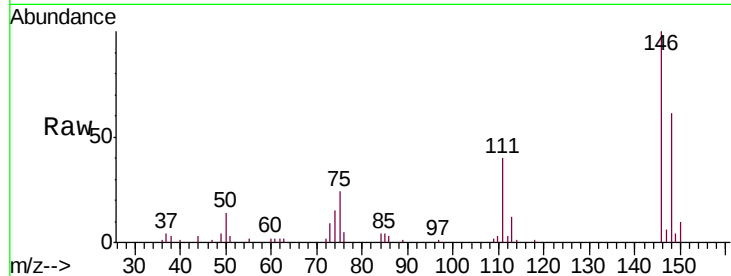
Tgt Ion:146 Resp: 16186

Ion Ratio Lower Upper

146 100

111 40.4 26.9 49.9

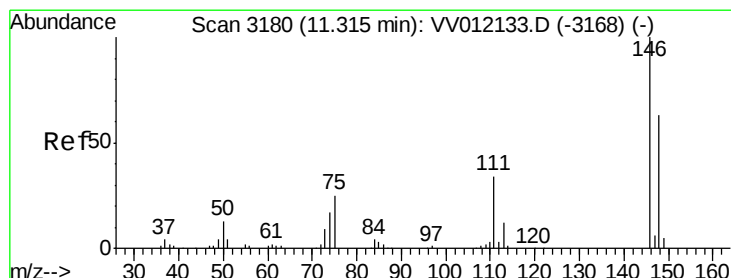
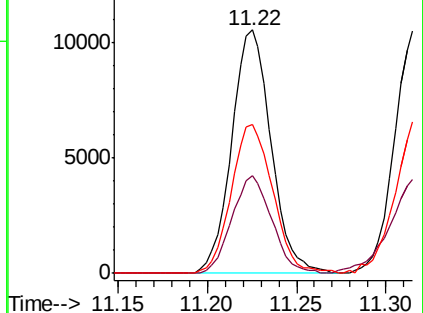
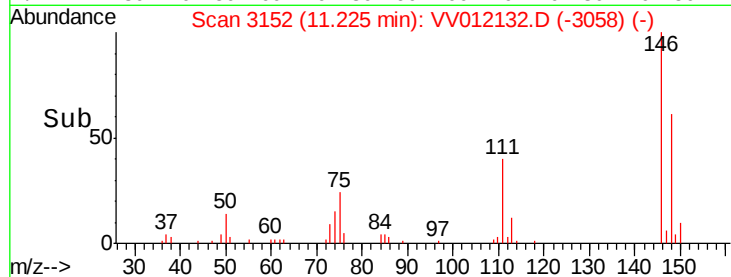
148 61.0 44.6 82.8



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: 0.954 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. 0.00 min

Lab File: VV012132.D

Acq: 08 Aug 2019 18:34

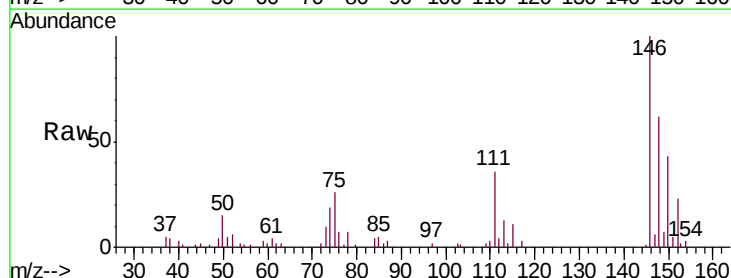
Tgt Ion:146 Resp: 17153

Ion Ratio Lower Upper

146 100

111 35.6 23.7 43.9

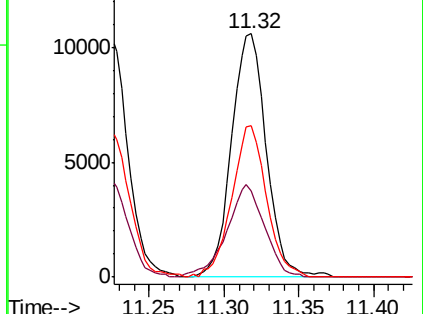
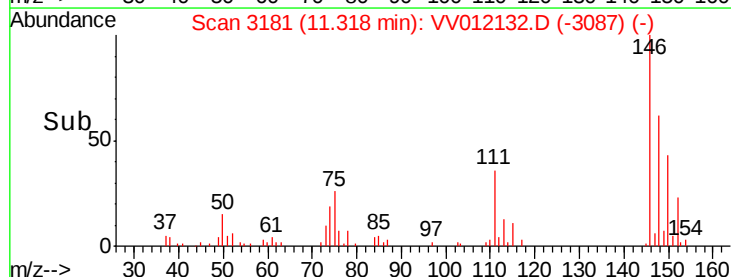
148 62.0 43.9 81.5

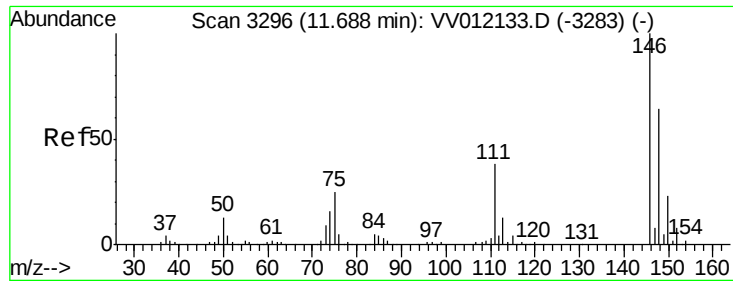


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.986 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV012132.D

Acq: 08 Aug 2019 18:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD00135

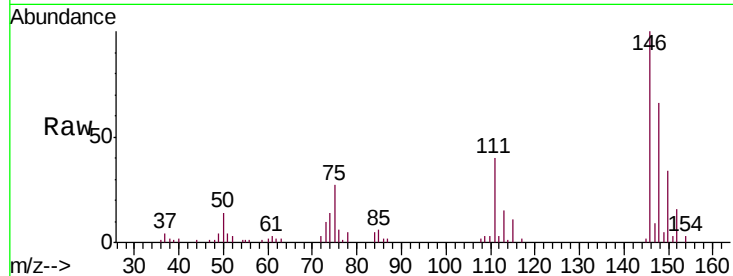
Tgt Ion:146 Resp: 15835

Ion Ratio Lower Upper

146 100

111 40.3 30.6 45.8

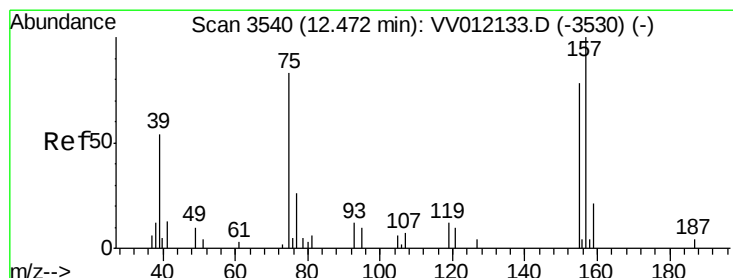
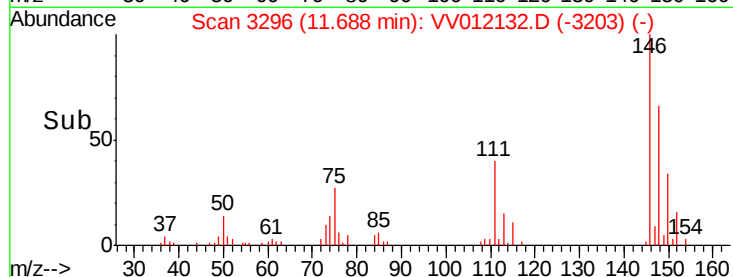
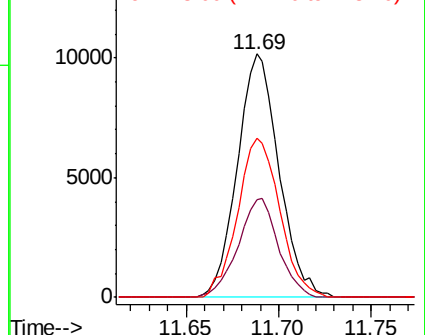
148 65.6 51.6 77.4



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: 0.923 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV012132.D

Acq: 08 Aug 2019 18:34

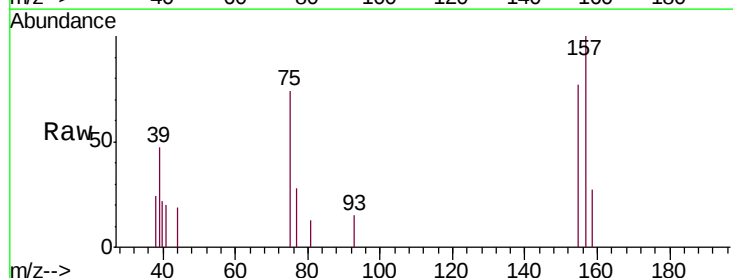
Tgt Ion: 75 Resp: 820

Ion Ratio Lower Upper

75 100

155 105.2 75.2 112.8

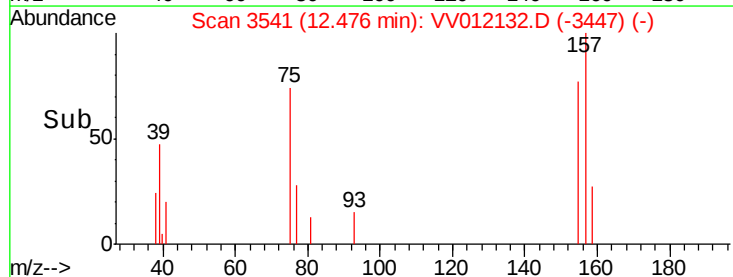
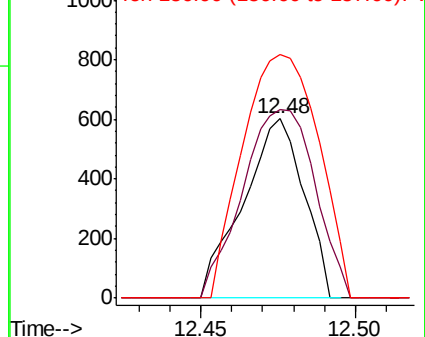
157 135.9 96.7 145.1

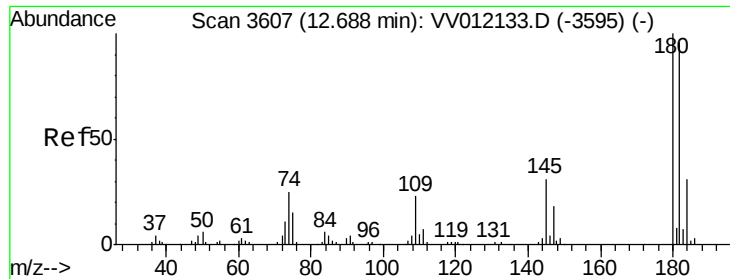


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

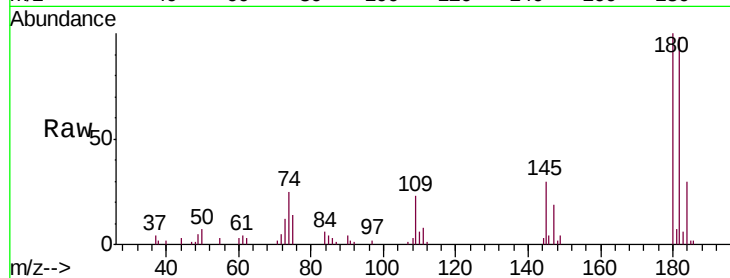




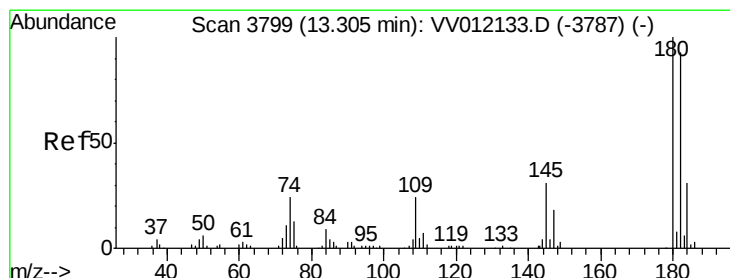
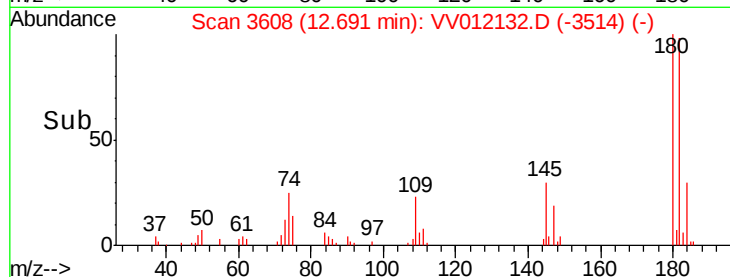
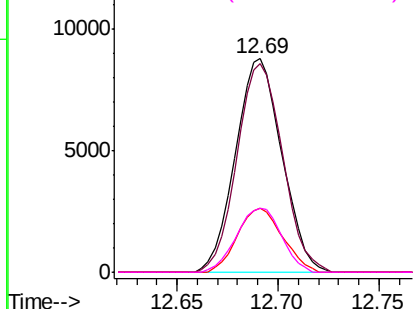
#67
 1,3,5-Trichlorobenzene
 Concen: 0.972 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV012132.D
 Acq: 08 Aug 2019 18:34

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00135

Tgt Ion:180 Resp: 14201
 Ion Ratio Lower Upper
 180 100
 182 95.9 76.8 115.2
 184 29.2 25.0 37.4
 145 29.0 23.4 35.2

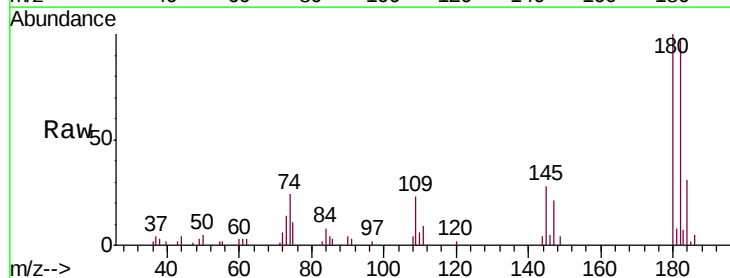


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

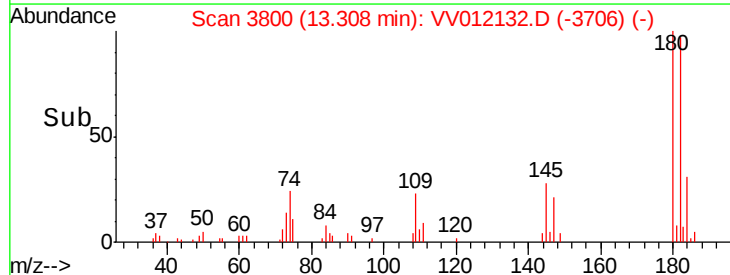
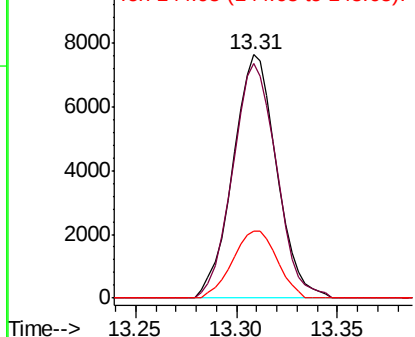


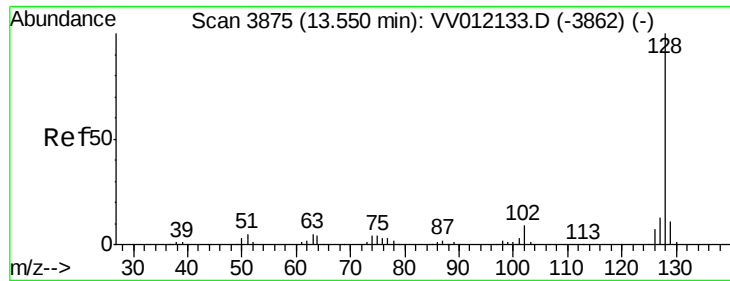
#68
 1,2,4-trichlorobenzene
 Concen: 0.970 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV012132.D
 Acq: 08 Aug 2019 18:34

Tgt Ion:180 Resp: 11594
 Ion Ratio Lower Upper
 180 100
 182 96.5 76.6 115.0
 145 28.1 23.4 35.2



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





#69

Naphthalene

Concen: 1.142 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV012132.D

Acq: 08 Aug 2019 18:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD00135

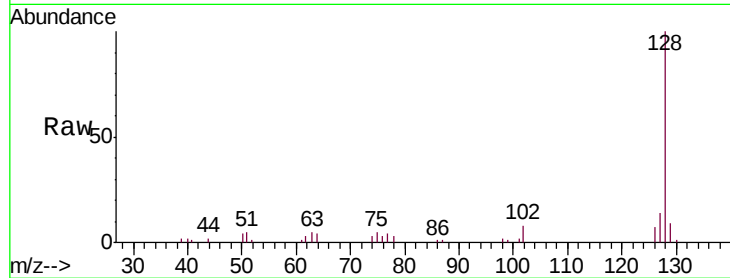
Tgt Ion:128 Resp: 19085

Ion Ratio Lower Upper

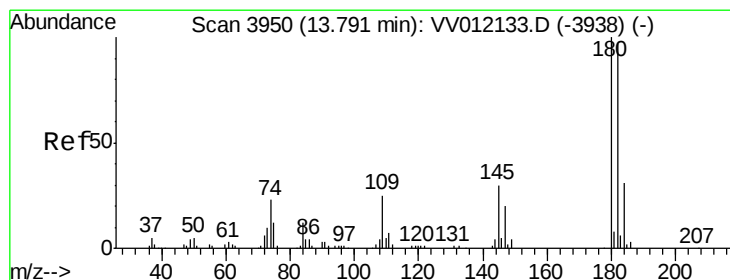
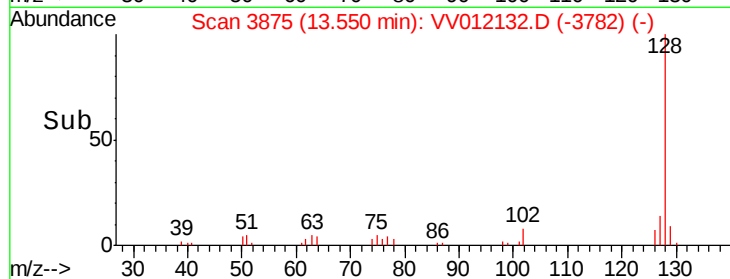
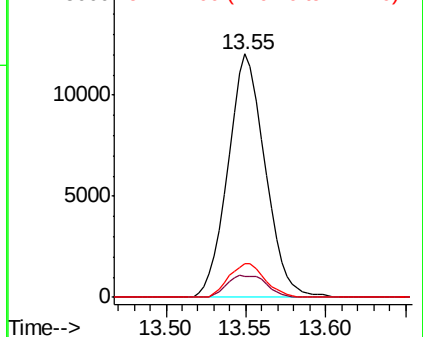
128 100

129 9.6 9.0 13.4

127 13.3 10.6 15.8



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: 1.034 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV012132.D

Acq: 08 Aug 2019 18:34

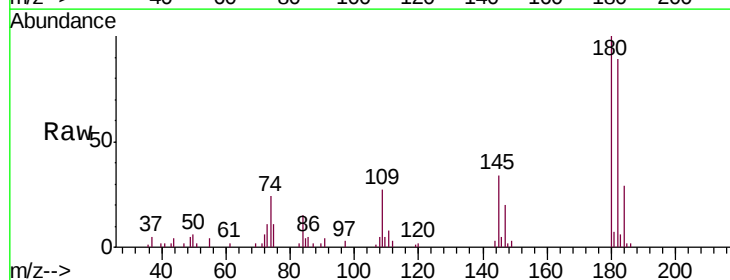
Tgt Ion:180 Resp: 11064

Ion Ratio Lower Upper

180 100

182 95.4 77.9 116.9

145 32.4 24.9 37.3



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

