

Data File : VV011902.D
Acq On : 17 Jul 2019 10:45
Operator : SY/MD
Sample : VSTD00131
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00131

Quant Time: Jul 18 01:25:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 18 01:22:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	184184	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	178110	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	81593	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	14230	1.04	ug/L	0.00
7) Chloroethane-d5	1.58	69	11858	1.08	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	23175	1.10	ug/L	0.00
20) 2-Butanone-d5	3.97	46	31895	10.55	ug/L	0.00
24) Chloroform-d	4.40	84	27459	1.08	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	14703	1.15	ug/L	0.00
32) Benzene-d6	5.10	84	50262	1.01	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	16007	1.05	ug/L	0.00
41) Toluene-d8	7.36	98	45914	1.02	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	5397	0.97	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	19225	8.68	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	9011	0.96	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	17203	1.14	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	18296	0.998 ug/L	99
3) Chloromethane	1.25	50	17739	0.987 ug/L	100
5) Vinyl chloride	1.32	62	17098	0.979 ug/L	98
6) Bromomethane	1.54	94	10359	1.040 ug/L	97
8) Chloroethane	1.60	64	10068	0.968 ug/L	98
9) Trichlorofluoromethane	1.77	101	20959	0.932 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	10363	1.004 ug/L	99
12) 1,1-Dichloroethene	2.14	96	9785	1.037 ug/L	94
13) Acetone	2.22	43	14973	8.793 ug/L	98
14) Carbon disulfide	2.32	76	24241	0.961 ug/L	99
15) Methyl Acetate	2.47	43	3660	0.933 ug/L #	89
16) Methylene chloride	2.53	84	10730	1.087 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	27233	0.938 ug/L #	92
18) trans-1,2-Dichloroethene	2.79	96	12693	0.956 ug/L	85
19) 1,1-Dichloroethane	3.23	63	25420	1.009 ug/L	97
21) 2-Butanone	4.06	43	30628	9.253 ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	13513	0.958 ug/L	92
23) Bromochloromethane	4.30	128	5672	0.955 ug/L	93
25) Chloroform	4.43	83	28229	1.022 ug/L	91
27) 1,2-Dichloroethane	5.18	62	15166	0.949 ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	20114	0.889 ug/L	98
30) Cyclohexane	4.72	56	20045	0.853 ug/L	98
31) Carbon tetrachloride	4.87	117	17548	0.911 ug/L	100
33) Benzene	5.14	78	52337	0.934 ug/L	100
34) Trichloroethene	5.96	95	15069	0.947 ug/L	98
35) Methylcyclohexane	6.17	83	20725	0.895 ug/L	99
37) 1,2-Dichloropropane	6.22	63	12314	0.882 ug/L #	95
38) Bromodichloromethane	6.56	83	15318	0.918 ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	15921	0.847 ug/L	97
40) 4-Methyl-2-pentanone	7.28	43	70304	8.535 ug/L	99

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 18 01:22:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	53325	0.914	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	12317	0.832	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	8505	0.914	ug/L	93
47) Tetrachloroethene	8.02	164	10342	0.889	ug/L	95
48) 2-Hexanone	8.19	43	50285	8.475	ug/L	97
49) Dibromochloromethane	8.29	129	8687	0.846	ug/L	99
50) 1,2-Dibromoethane	8.40	107	7985	0.928	ug/L	98
51) Chlorobenzene	8.93	112	34639	0.919	ug/L	98
52) Ethylbenzene	9.05	91	55963	0.868	ug/L	99
53) m,p-xylene	9.18	106	20333	0.854	ug/L	100
54) o-xylene	9.59	106	18422	0.813	ug/L	98
55) Styrene	9.60	104	30907	0.809	ug/L	95
56) Isopropylbenzene	9.97	105	50934	0.823	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.29	83	7227	0.792	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	7794	0.948	ug/L	100
61) Bromoform	9.77	173	3868	0.862	ug/L	95
62) 1,3-Dichlorobenzene	11.22	146	24609	0.939	ug/L	98
63) 1,4-Dichlorobenzene	11.31	146	25849	0.952	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	23360	0.942	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	1179	0.779	ug/L #	81
67) 1,3,5-Trichlorobenzene	12.69	180	18981	0.922	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	14218	0.868	ug/L	98
69) Naphthalene	13.55	128	18927	0.781	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	12941	0.874	ug/L	97

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

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ALS Vial      : 3      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
VSTD00131

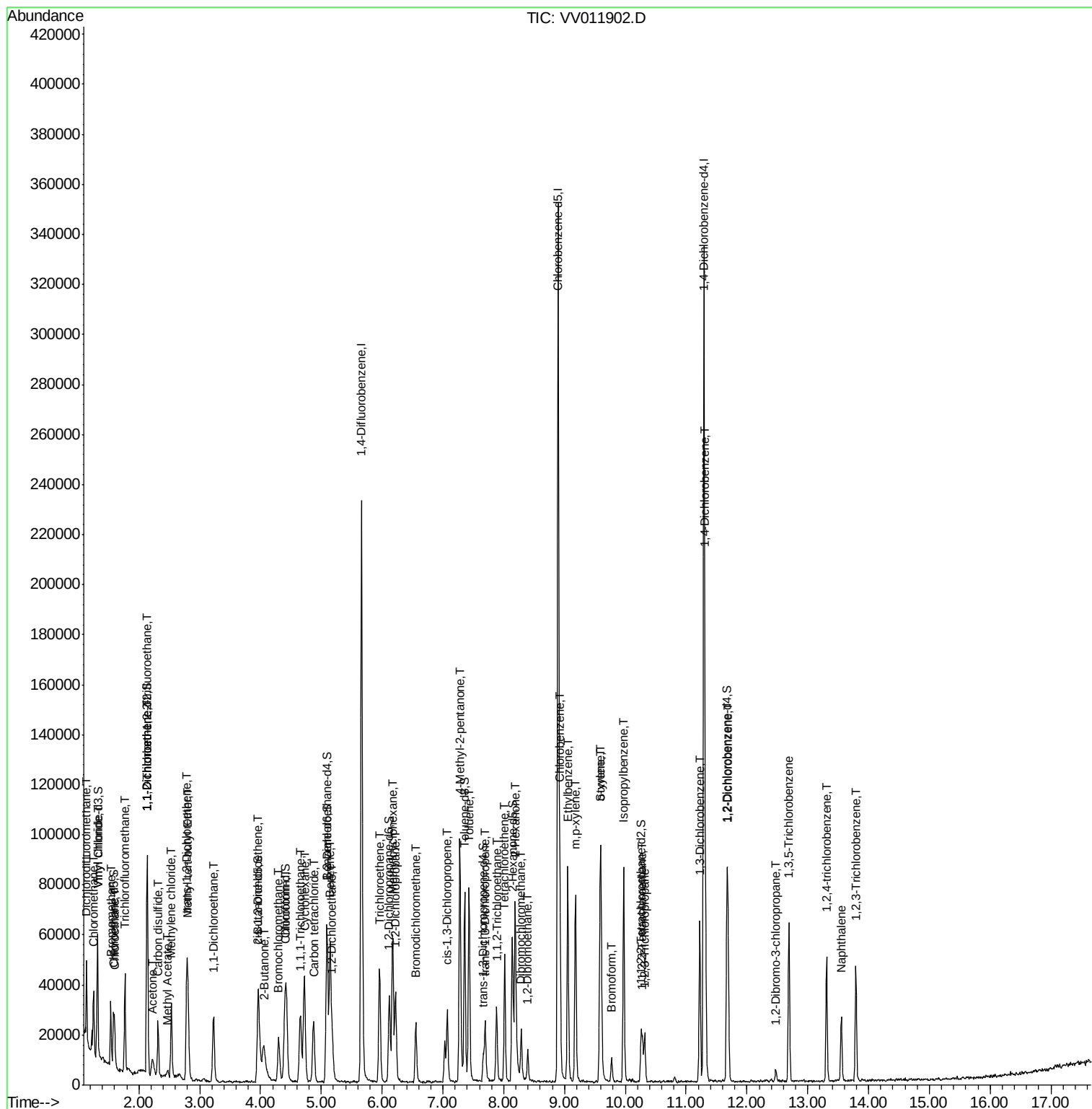
Quant Time: Jul 18 01:25:34 2019

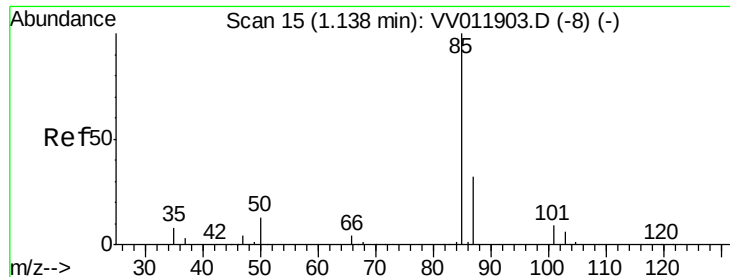
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR071719WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Thu Jul 18 01:22:34 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.998 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV011902.D

Acq: 17 Jul 2019 10:45

Instrument :

MSVOA_V

ClientSampleId :

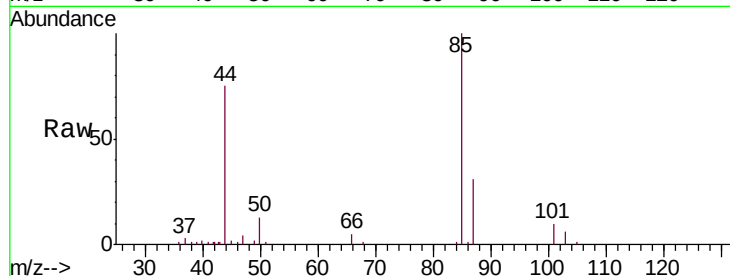
VSTD00131

Tgt Ion: 85 Resp: 18296

Ion Ratio Lower Upper

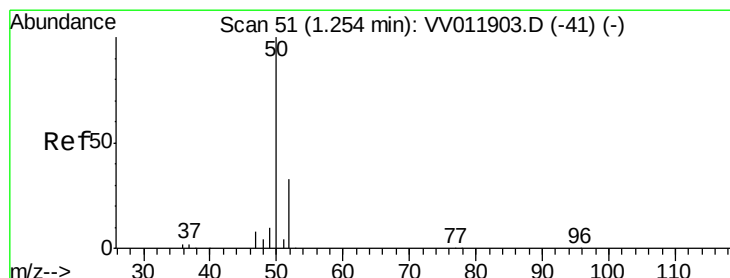
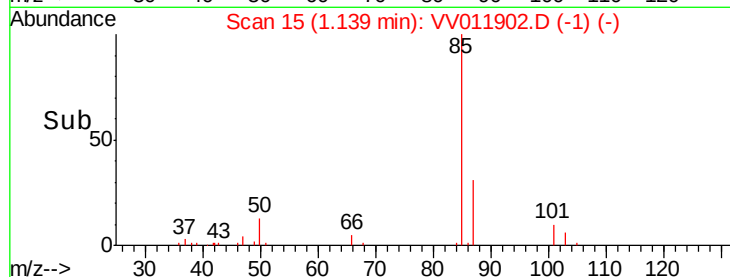
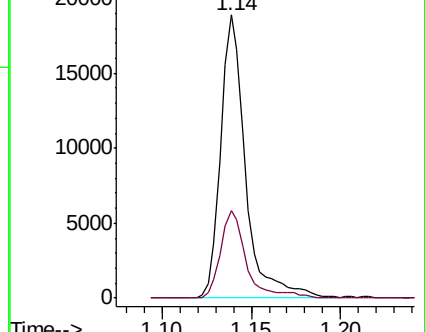
85 100

87 31.8 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VV011903.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV011902.D (-1) (-)



#3

Chloromethane

Concen: 0.987 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV011902.D

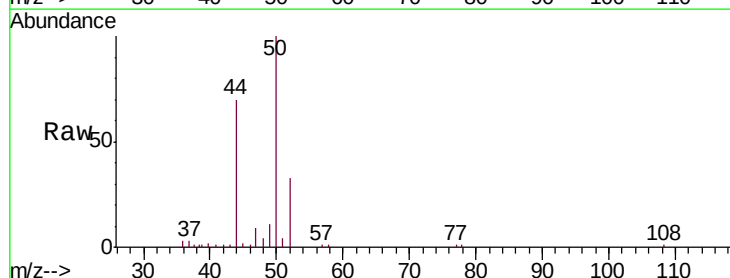
Acq: 17 Jul 2019 10:45

Tgt Ion: 50 Resp: 17739

Ion Ratio Lower Upper

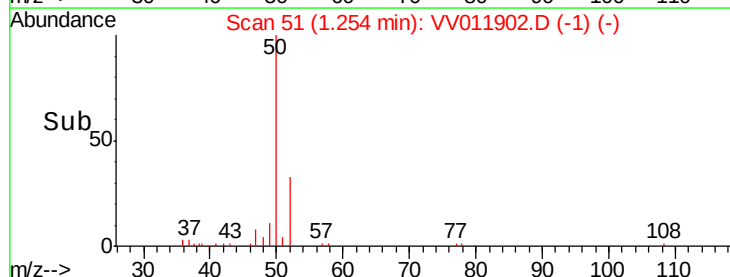
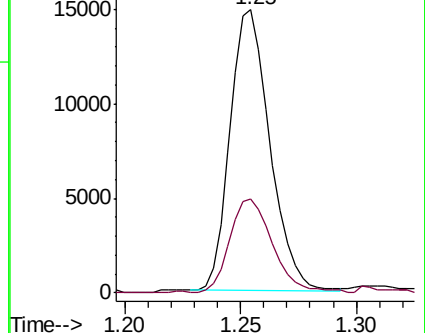
50 100

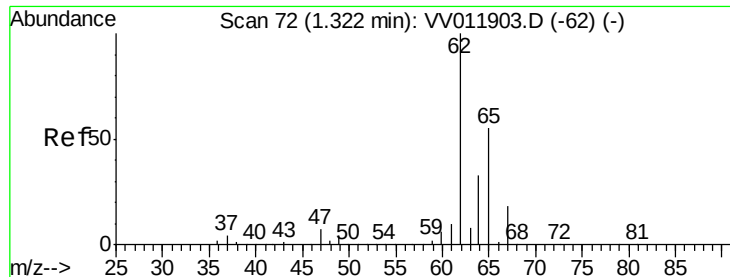
52 33.2 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VV011903.D (-41) (-)

Ion 52.05 (51.75 to 52.75): VV011902.D (-1) (-)





#5

Vinyl chloride

Concen: 0.979 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV011902.D

Acq: 17 Jul 2019 10:45

Instrument :

MSVOA_V

ClientSampleId :

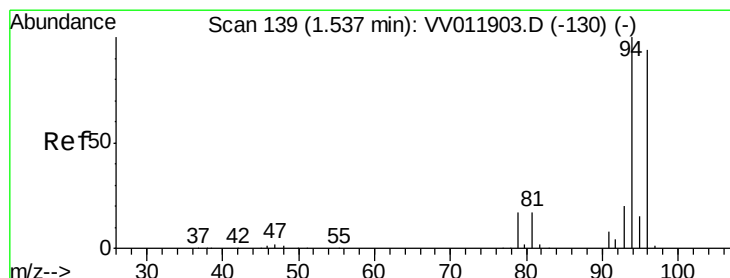
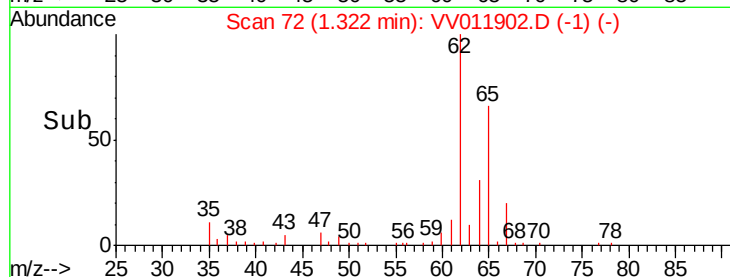
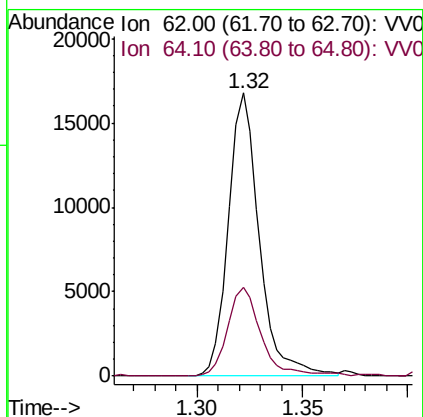
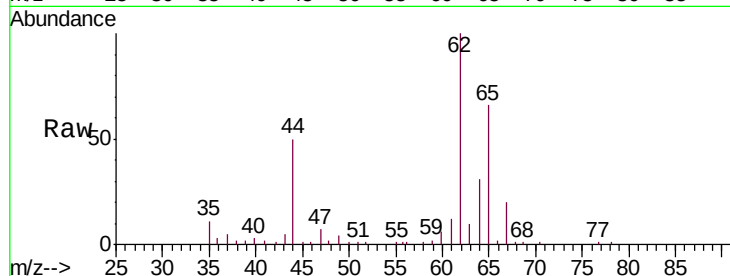
VSTD00131

Tgt Ion: 62 Resp: 17098

Ion Ratio Lower Upper

62 100

64 31.4 22.9 42.5



#6

Bromomethane

Concen: 1.040 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV011902.D

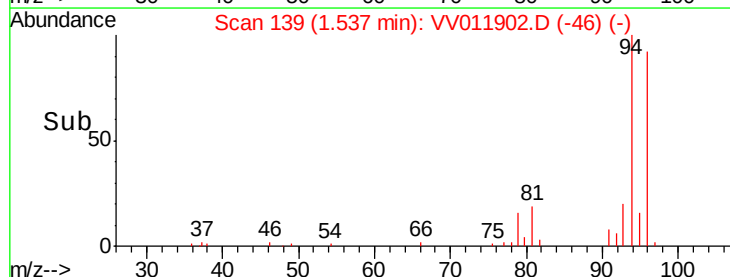
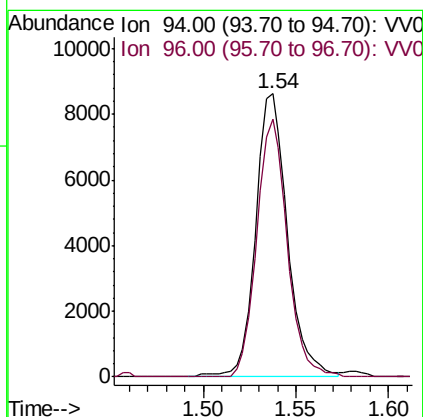
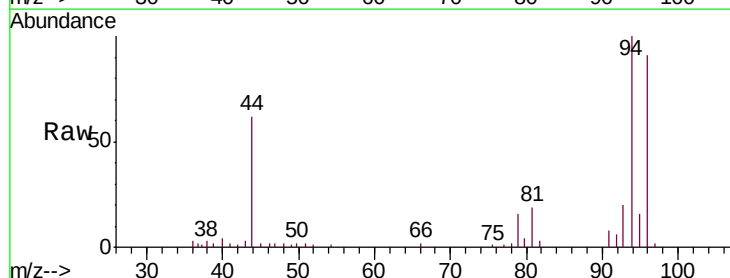
Acq: 17 Jul 2019 10:45

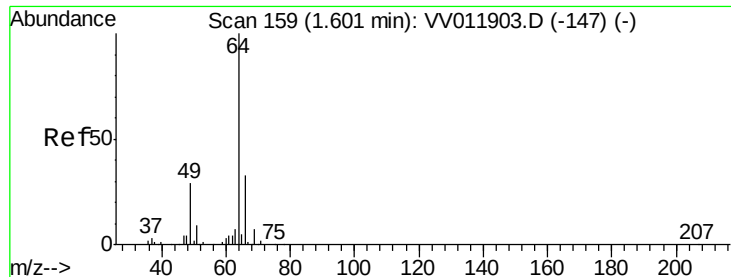
Tgt Ion: 94 Resp: 10359

Ion Ratio Lower Upper

94 100

96 91.1 66.1 122.7





#8

Chloroethane

Concen: 0.968 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV011902.D

Acq: 17 Jul 2019 10:45

Instrument :

MSVOA_V

ClientSampleId :

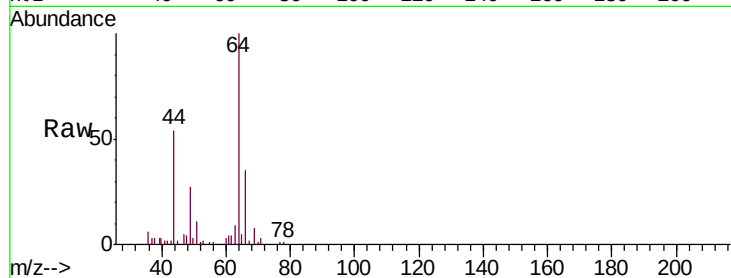
VSTD00131

Tgt Ion: 64 Resp: 10068

Ion Ratio Lower Upper

64 100

66 34.6 23.2 43.2



Abundance Ion 64.10 (63.80 to 64.80): VV011903.D (-147) (-)

Ion 66.05 (65.75 to 66.75): VV011903.D (-147) (-)

1.60

8000

6000

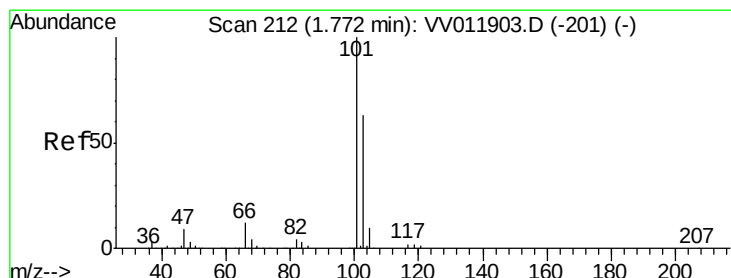
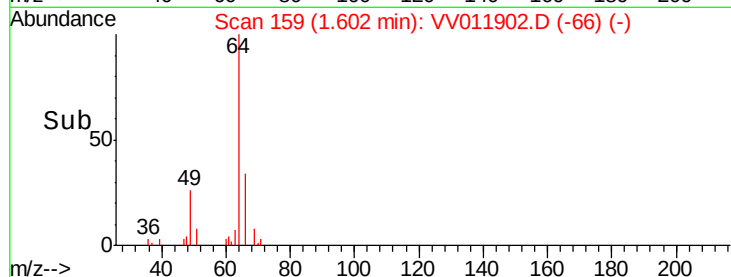
4000

2000

0

1.55 1.60 1.65

Time-->



#9

Trichlorofluoromethane

Concen: 0.932 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV011902.D

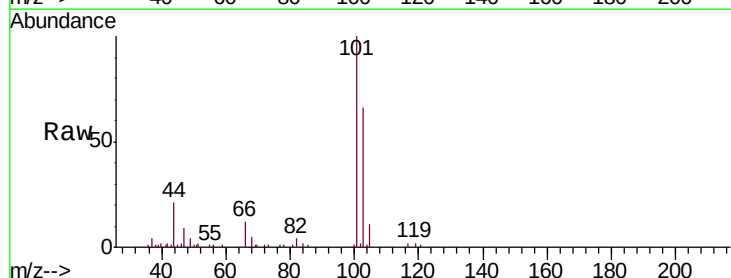
Acq: 17 Jul 2019 10:45

Tgt Ion: 101 Resp: 20959

Ion Ratio Lower Upper

101 100

103 65.5 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): VV011903.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV011903.D (-201) (-)

1.77

15000

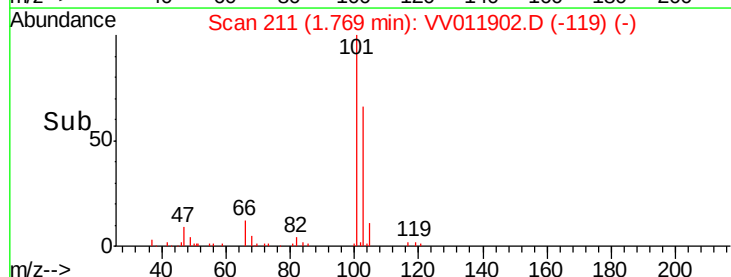
10000

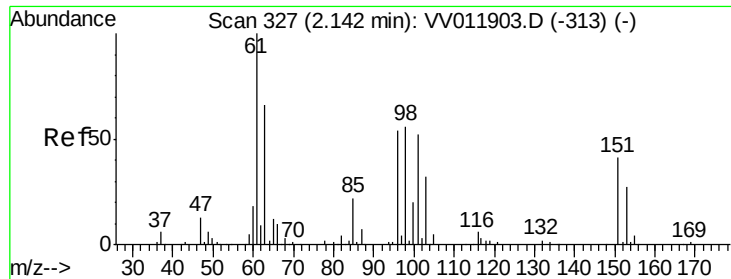
5000

0

1.75 1.80

Time-->





#10

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

Concen: 1.004 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV011902.D

Acq: 17 Jul 2019 10:45

Instrument :

MSVOA_V

ClientSampled :

VSTD00131

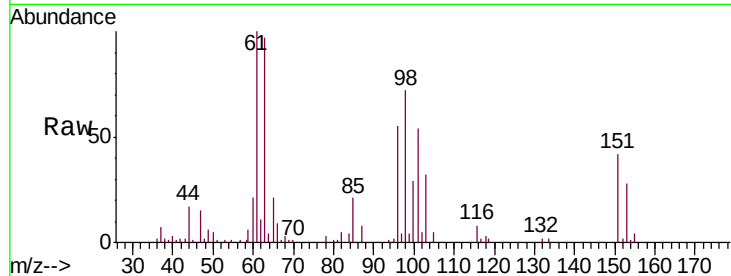
Tgt Ion:101 Resp: 10363

Ion Ratio Lower Upper

101 100

85 43.1 34.7 52.1

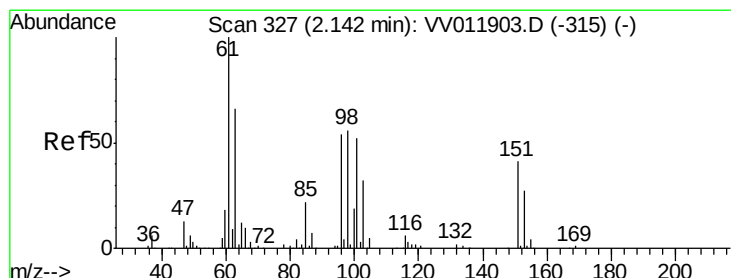
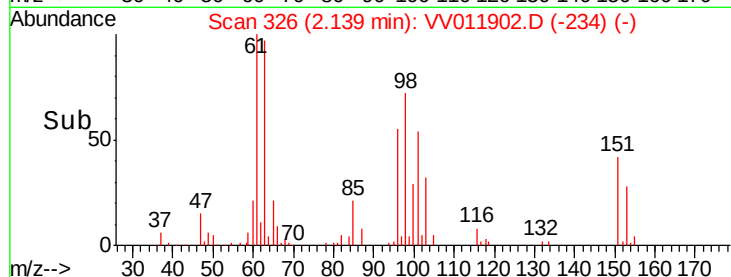
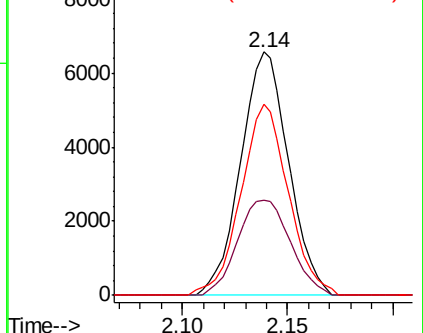
151 77.7 61.5 92.3



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: 1.037 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV011902.D

Acq: 17 Jul 2019 10:45

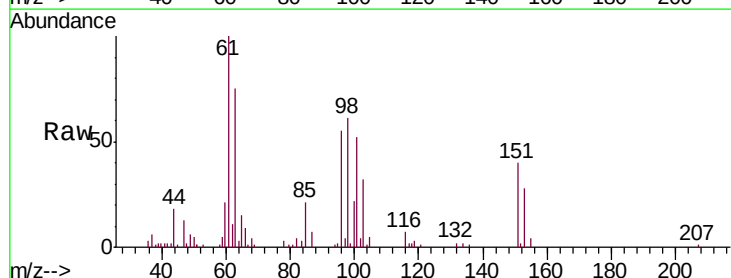
Tgt Ion: 96 Resp: 9785

Ion Ratio Lower Upper

96 100

61 181.4 128.9 239.3

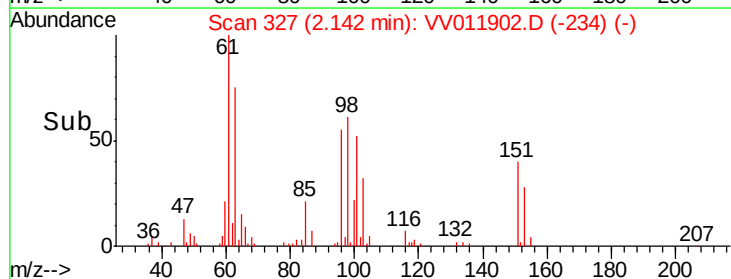
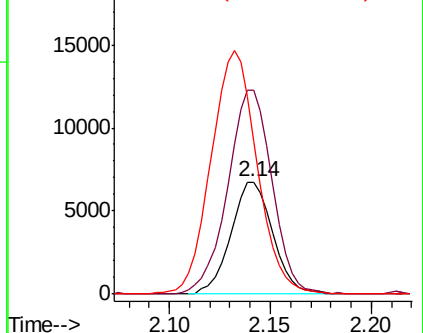
63 135.7 85.5 158.9

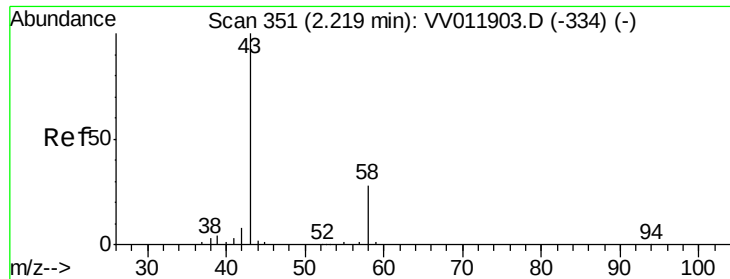


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 8.793 ug/L

RT: 2.22 min Scan# 352

Delta R.T. 0.00 min

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Acq: 17 Jul 2019 10:45

Instrument :

MSVOA_V

ClientSampled :

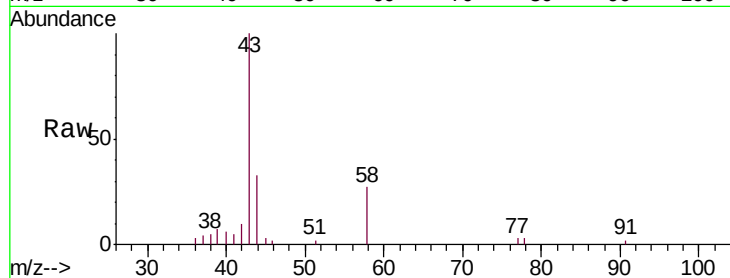
VSTD00131

Tgt Ion: 43 Resp: 14973

Ion Ratio Lower Upper

43 100

58 28.9 0.0 55.6



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.22

5000

4000

3000

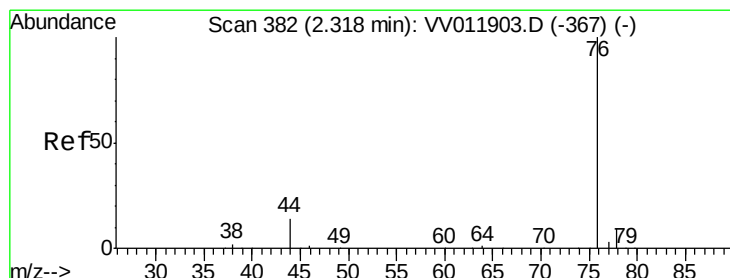
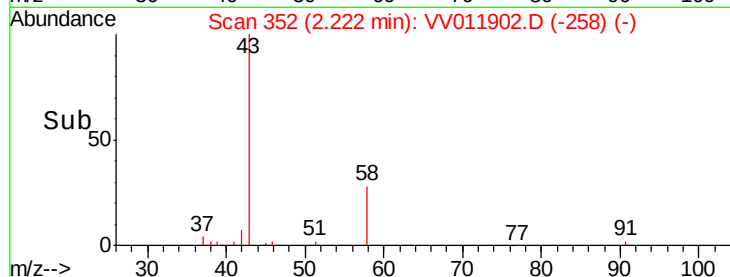
2000

1000

0

Time-->

2.15 2.20 2.25 2.30



#14

Carbon disulfide

Concen: 0.961 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV011902.D

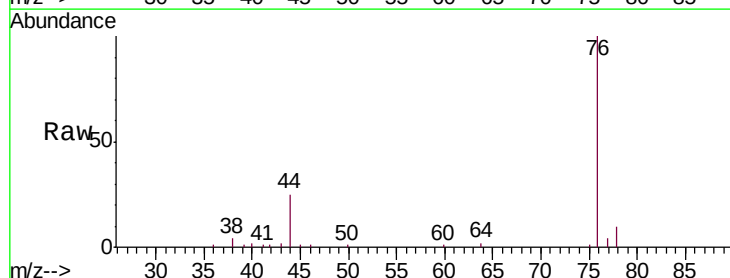
Acq: 17 Jul 2019 10:45

Tgt Ion: 76 Resp: 24241

Ion Ratio Lower Upper

76 100

78 9.7 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.32

15000

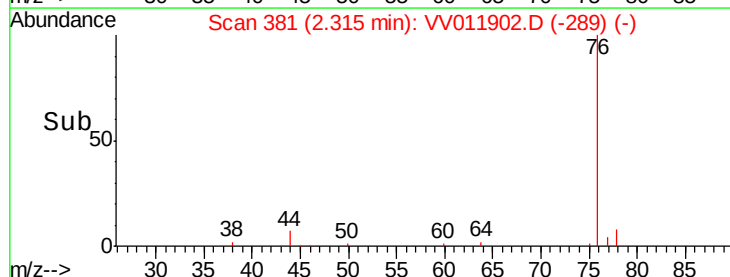
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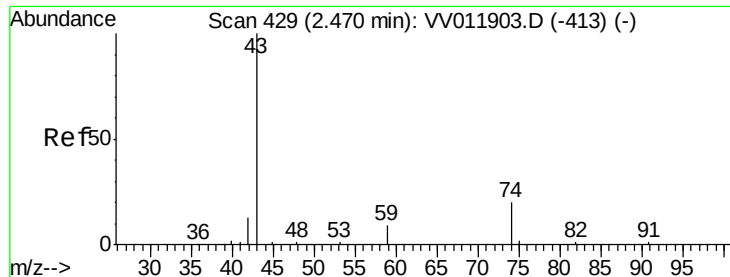
5000

0

Time-->

2.25 2.30 2.35





#15

Methyl Acetate

Concen: 0.933 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VV011902.D

Acq: 17 Jul 2019 10:45

Instrument :

MSVOA_V

ClientSampleId :

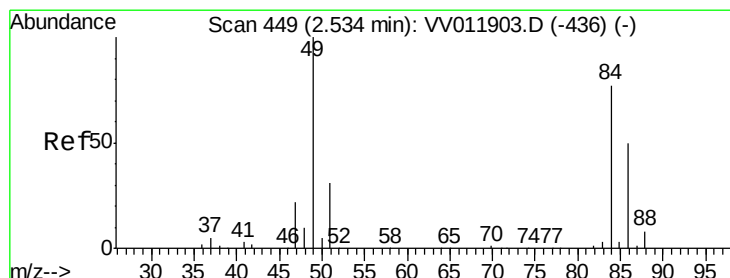
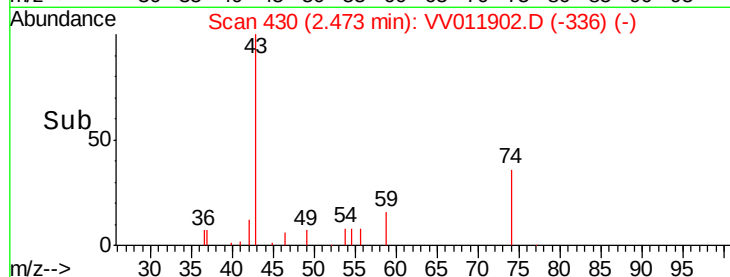
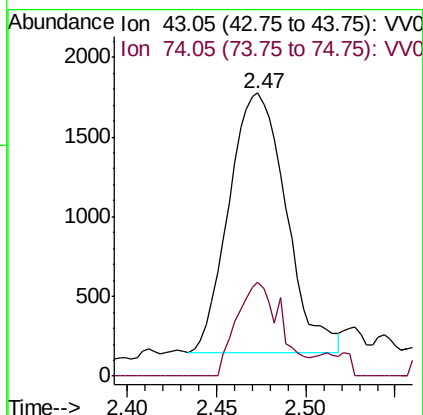
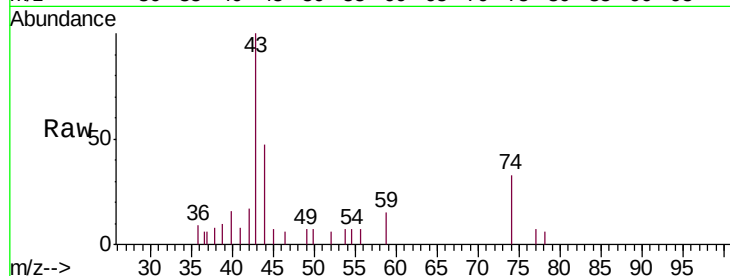
VSTD00131

Tgt Ion: 43 Resp: 3660

Ion Ratio Lower Upper

43 100

74 28.4 18.3 27.5#



#16

Methylene chloride

Concen: 1.087 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV011902.D

Acq: 17 Jul 2019 10:45

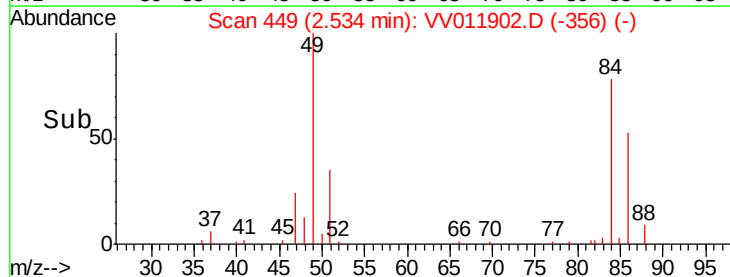
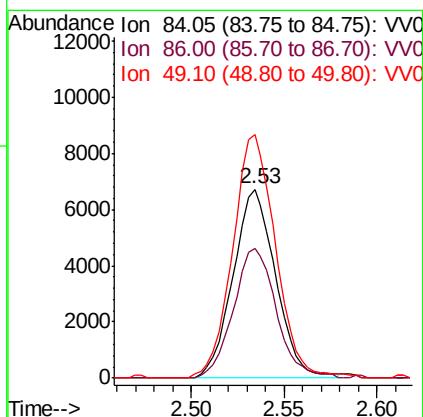
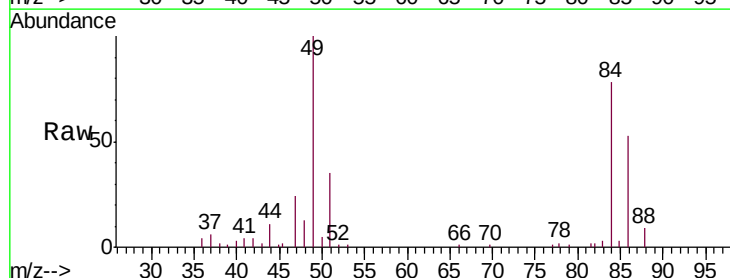
Tgt Ion: 84 Resp: 10730

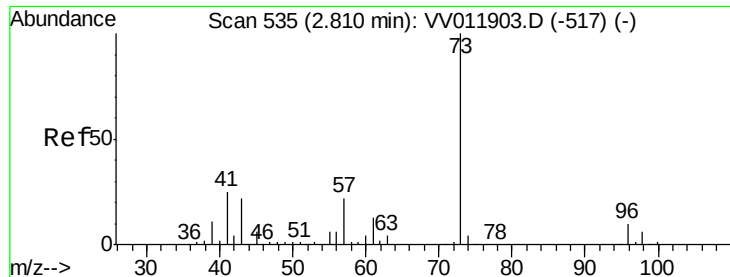
Ion Ratio Lower Upper

84 100

86 68.6 44.8 83.2

49 128.9 90.4 168.0

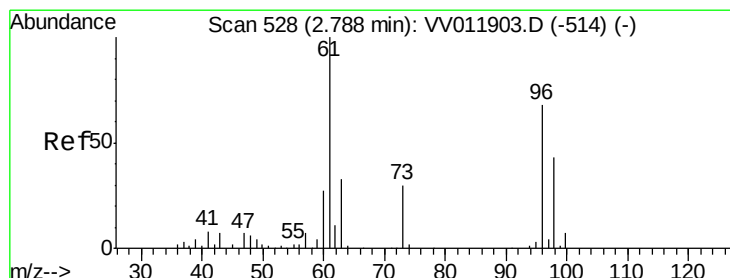
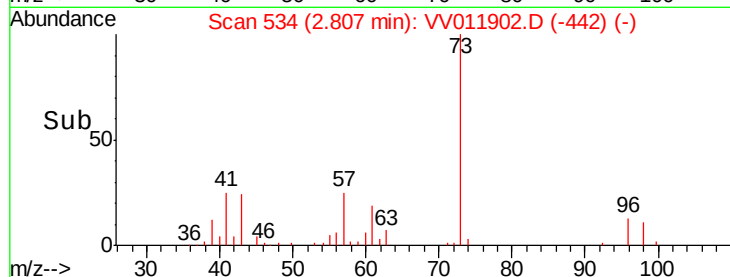
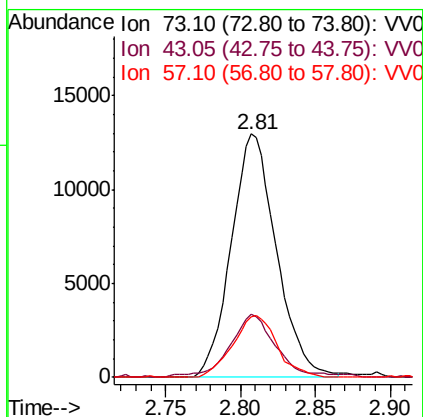
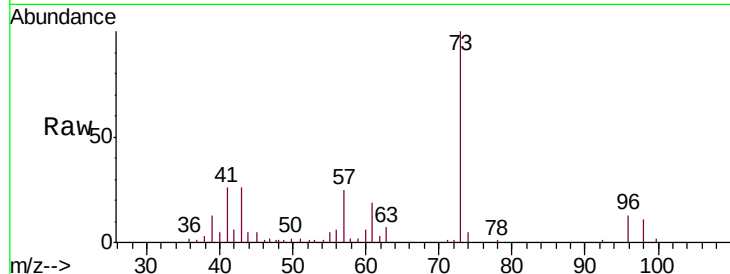




#17
Methyl tert-butyl Ether
Concen: 0.938 ug/L
RT: 2.81 min Scan# 534
Delta R.T. -0.00 min
Lab File: VV011902.D
Acq: 17 Jul 2019 10:45

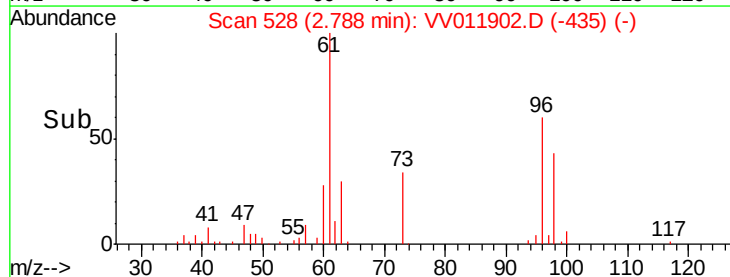
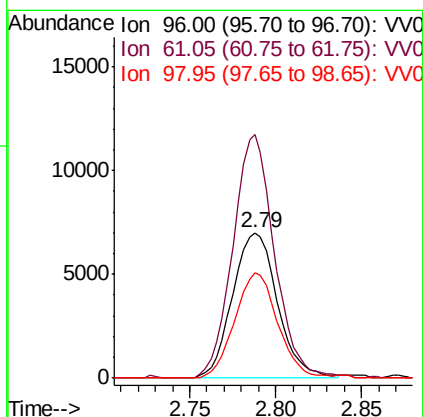
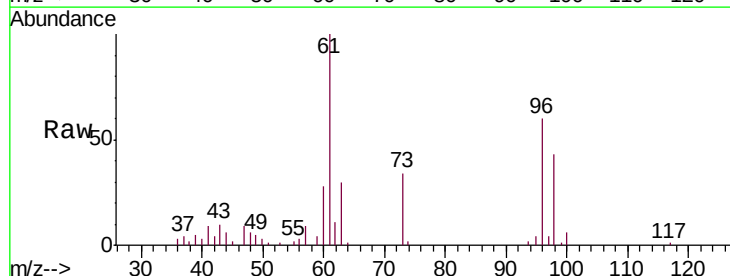
Instrument :
MSVOA_V
ClientSampleId :
VSTD00131

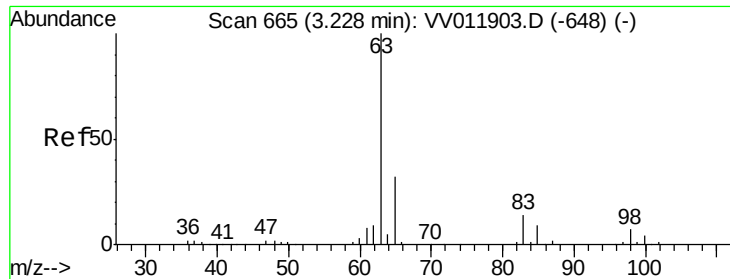
Tgt Ion: 73 Resp: 27233
Ion Ratio Lower Upper
73 100
43 26.7 17.6 26.4#
57 24.8 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 0.956 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV011902.D
Acq: 17 Jul 2019 10:45

Tgt Ion: 96 Resp: 12693
Ion Ratio Lower Upper
96 100
61 167.4 102.2 189.8
98 72.2 44.4 82.5

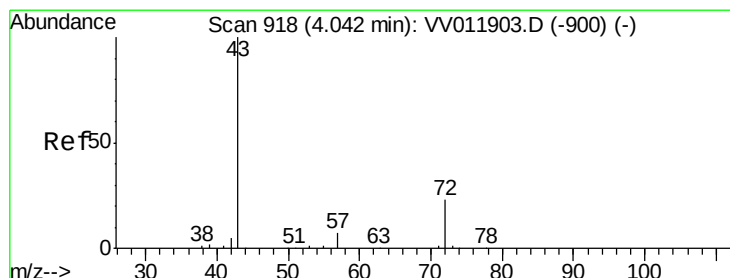
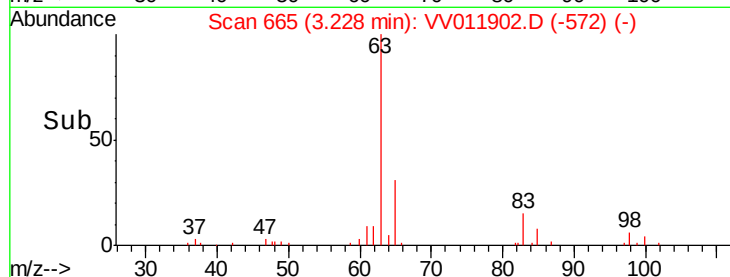
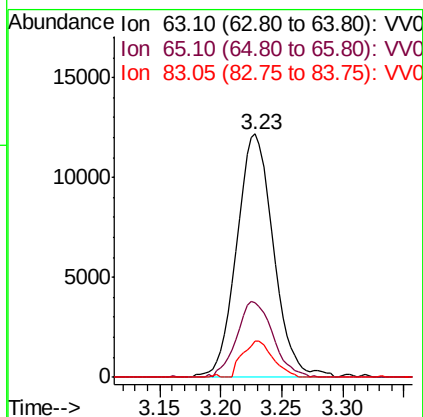
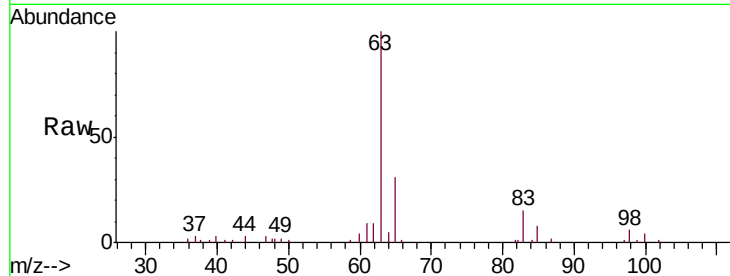




#19
 1,1-Dichloroethane
 Concen: 1.009 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV011902.D
 Acq: 17 Jul 2019 10:45

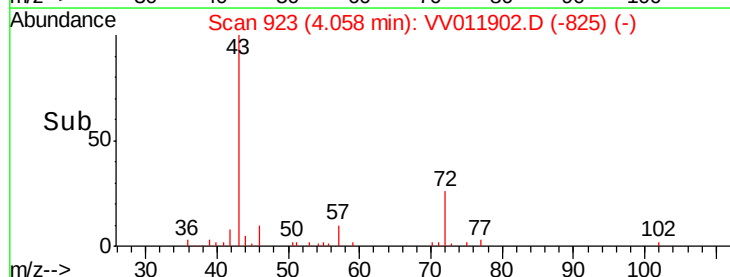
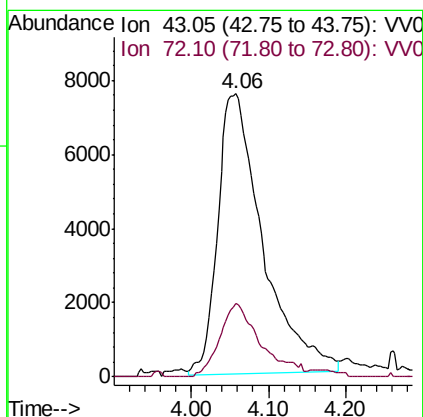
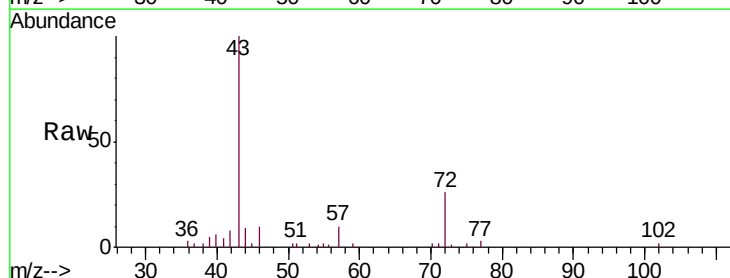
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00131

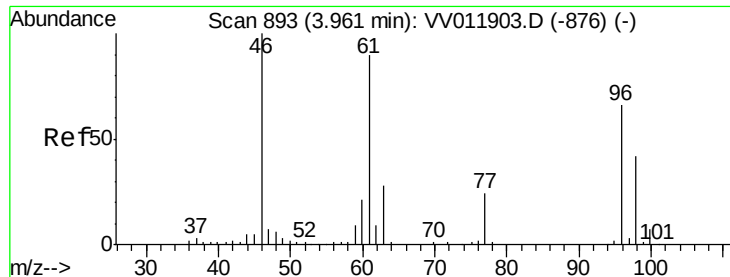
Tgt Ion: 63 Resp: 25420
 Ion Ratio Lower Upper
 63 100
 65 30.6 22.7 42.3
 83 14.6 9.4 17.6



#21
 2-Butanone
 Concen: 9.253 ug/L
 RT: 4.06 min Scan# 923
 Delta R.T. 0.02 min
 Lab File: VV011902.D
 Acq: 17 Jul 2019 10:45

Tgt Ion: 43 Resp: 30628
 Ion Ratio Lower Upper
 43 100
 72 23.9 11.2 33.6

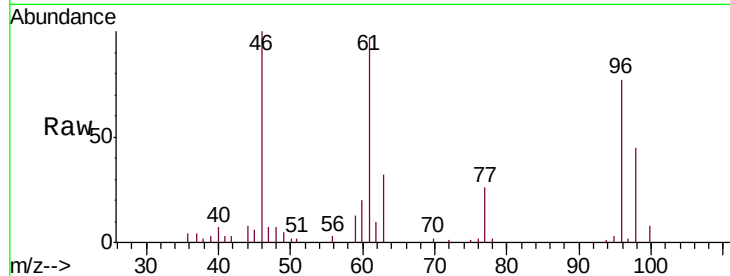




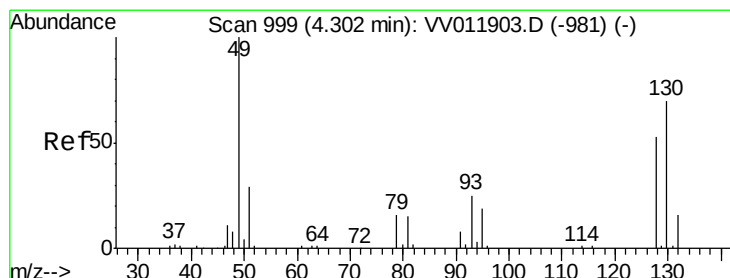
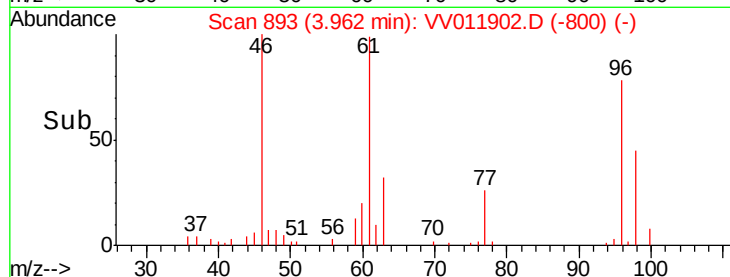
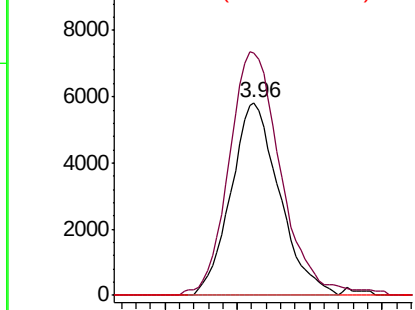
#22
 cis-1,2-Dichloroethene
 Concen: 0.958 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV011902.D
 Acq: 17 Jul 2019 10:45

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00131

Tgt Ion: 96 Resp: 13513
 Ion Ratio Lower Upper
 96 100
 61 126.0 95.2 176.8
 68 0.0 0.0 0.0

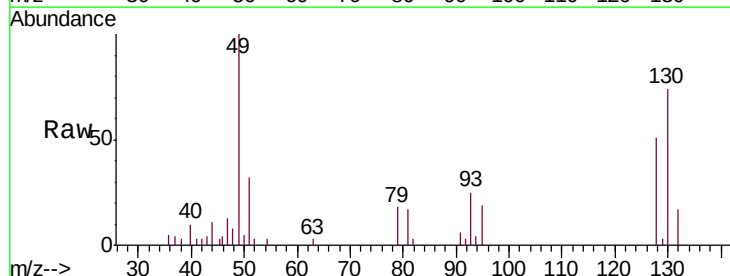


Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0

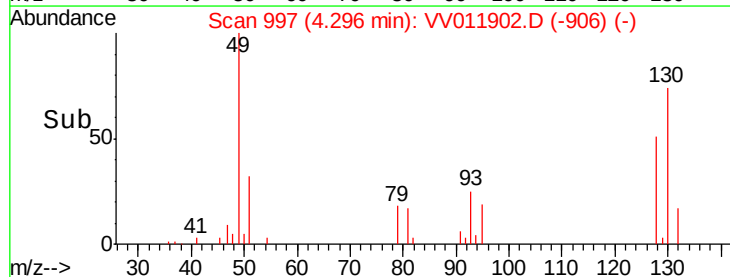
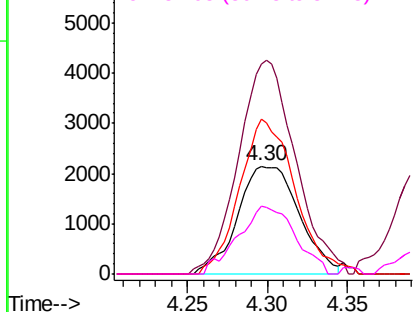


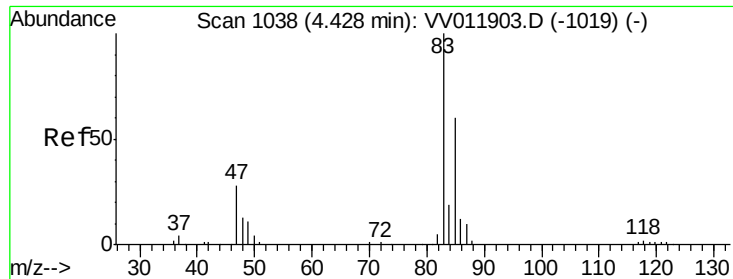
#23
 Bromochloromethane
 Concen: 0.955 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. -0.01 min
 Lab File: VV011902.D
 Acq: 17 Jul 2019 10:45

Tgt Ion: 128 Resp: 5672
 Ion Ratio Lower Upper
 128 100
 49 195.6 132.5 246.1
 130 143.8 92.1 171.1
 51 62.8 44.2 66.2



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

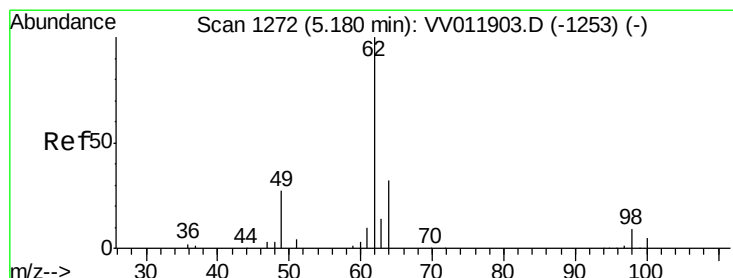
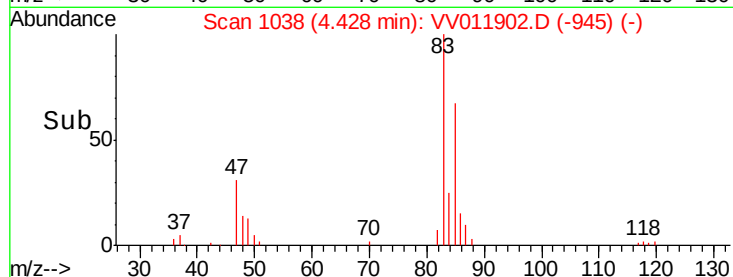
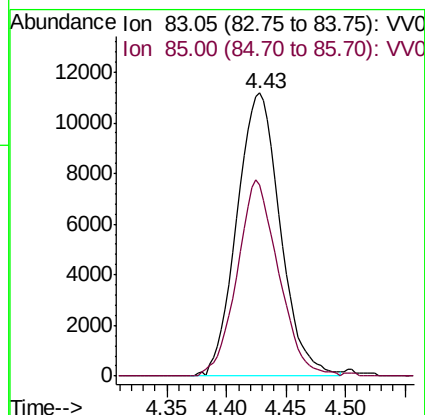
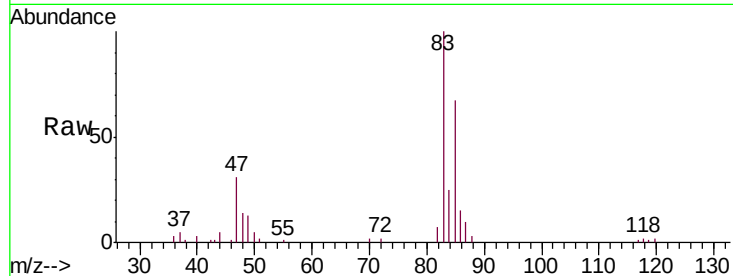




#25
Chloroform
Concen: 1.022 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV011902.D
Acq: 17 Jul 2019 10:45

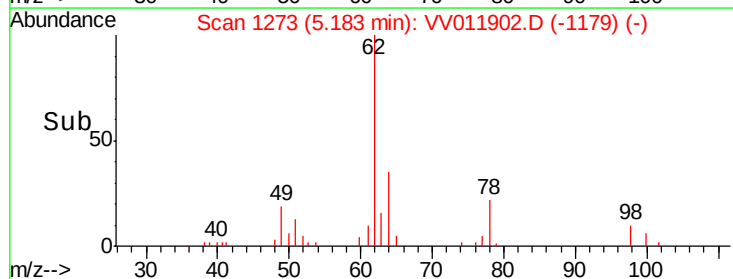
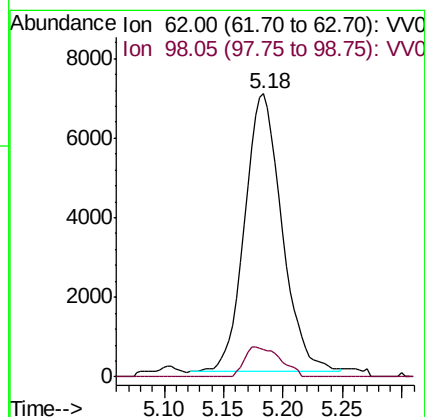
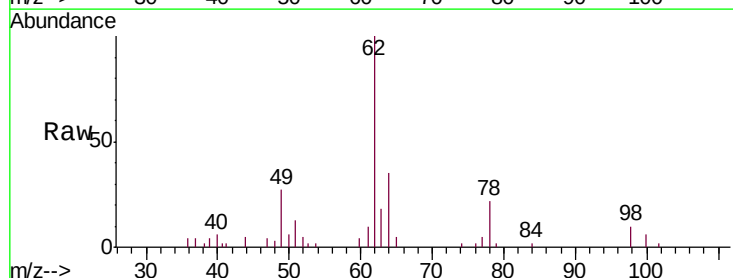
Instrument :
MSVOA_V
ClientSampleId :
VSTD00131

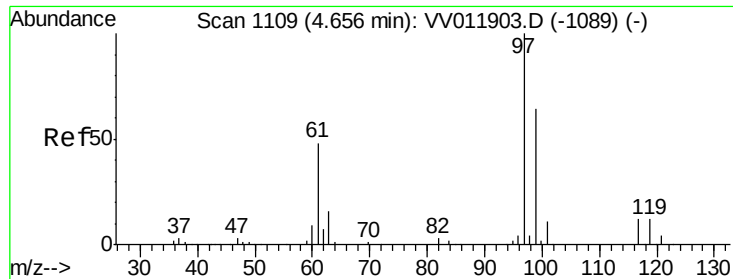
Tgt Ion: 83 Resp: 28229
Ion Ratio Lower Upper
83 100
85 67.5 42.5 78.9



#27
1,2-Dichloroethane
Concen: 0.949 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV011902.D
Acq: 17 Jul 2019 10:45

Tgt Ion: 62 Resp: 15166
Ion Ratio Lower Upper
62 100
98 9.7 7.2 10.8

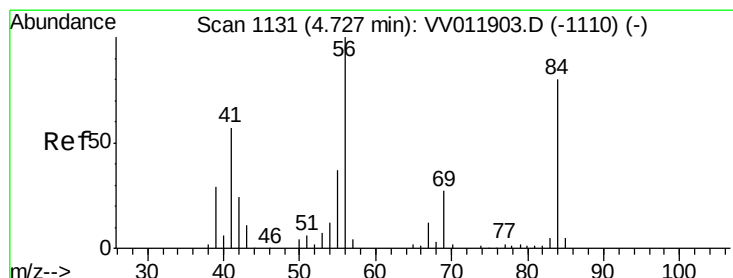
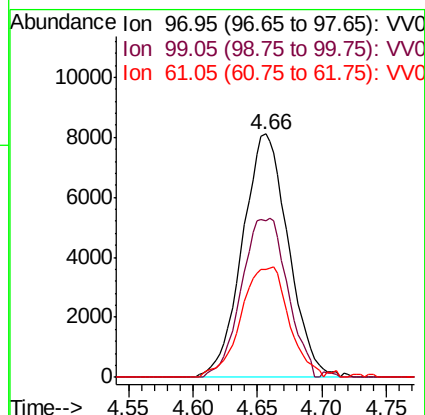
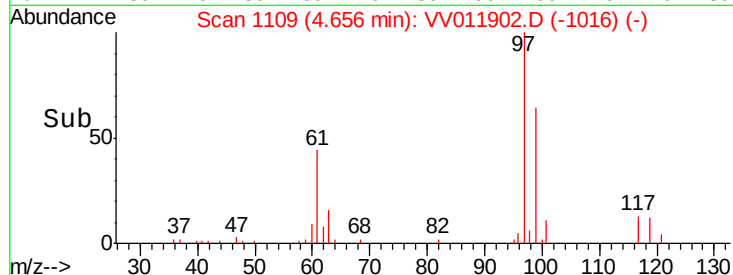
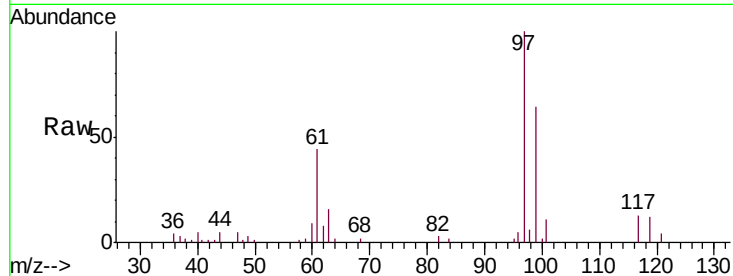




#29
1,1,1-Trichloroethane
Concen: 0.889 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. 0.00 min
Lab File: VV011902.D
Acq: 17 Jul 2019 10:45

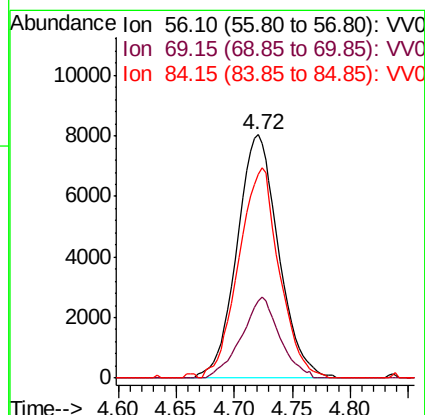
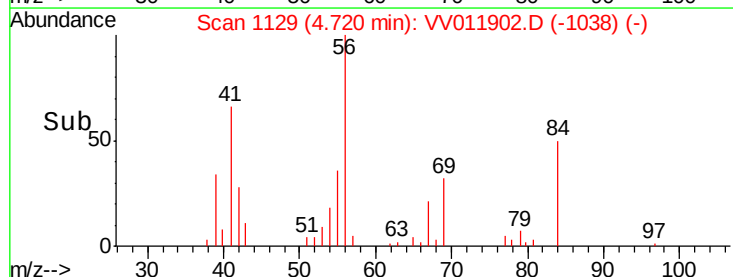
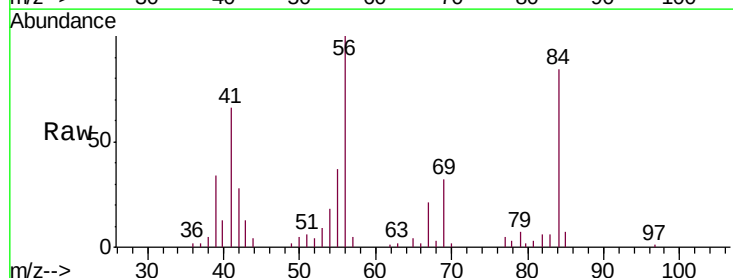
Instrument :
MSVOA_V
ClientSampleId :
VSTD00131

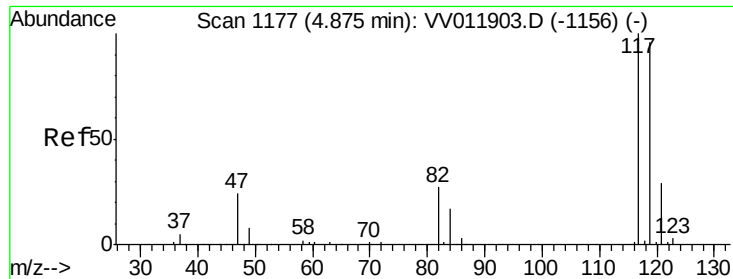
Tgt Ion: 97 Resp: 20114
Ion Ratio Lower Upper
97 100
99 65.7 51.1 76.7
61 47.0 38.6 57.8



#30
Cyclohexane
Concen: 0.853 ug/L
RT: 4.72 min Scan# 1129
Delta R.T. -0.01 min
Lab File: VV011902.D
Acq: 17 Jul 2019 10:45

Tgt Ion: 56 Resp: 20045
Ion Ratio Lower Upper
56 100
69 30.6 23.8 35.8
84 84.5 66.3 99.5





#31

Carbon tetrachloride

Concen: 0.911 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV011902.D

Acq: 17 Jul 2019 10:45

Instrument :

MSVOA_V

ClientSampleId :

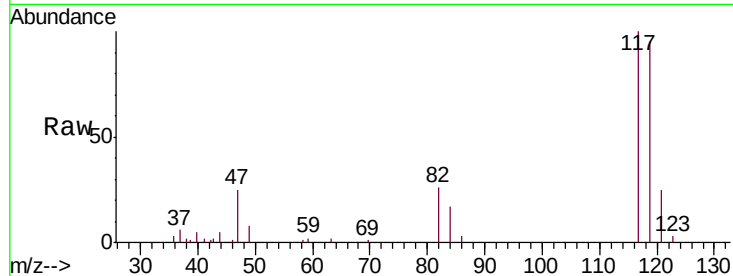
VSTD00131

Tgt Ion:117 Resp: 17548

Ion Ratio Lower Upper

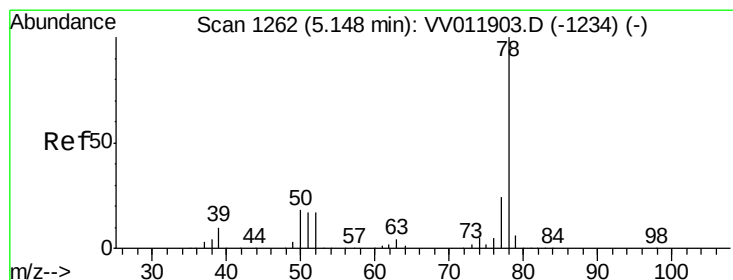
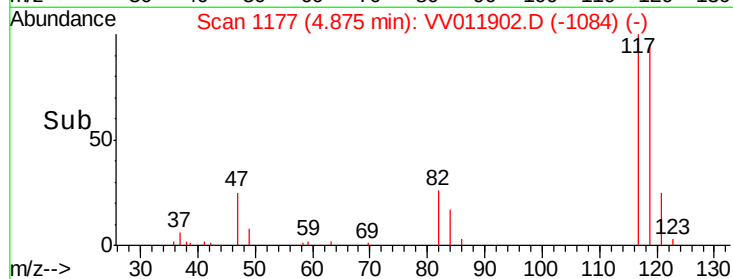
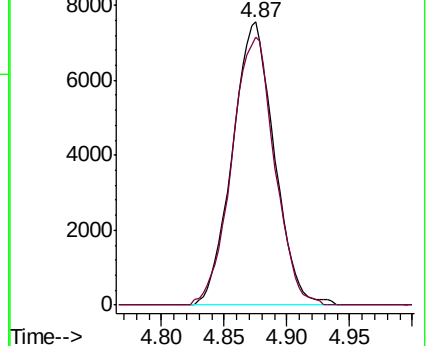
117 100

119 96.7 77.4 116.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.934 ug/L

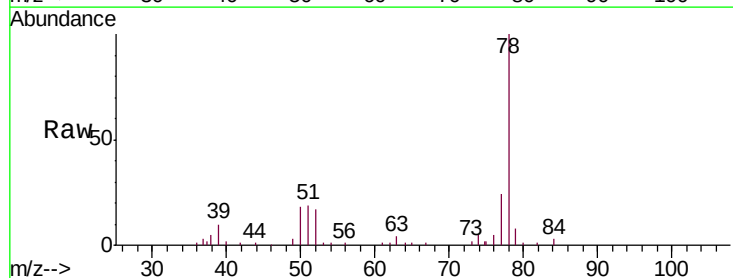
RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

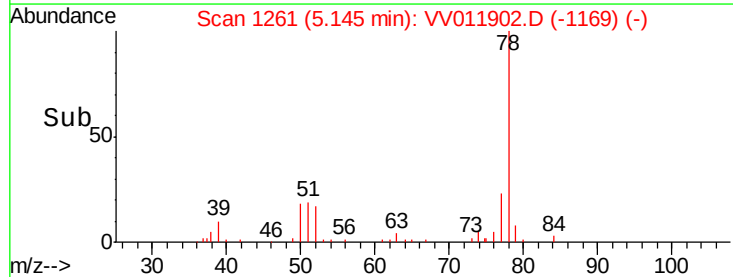
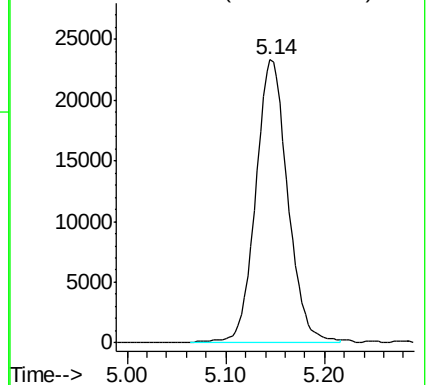
Lab File: VV011902.D

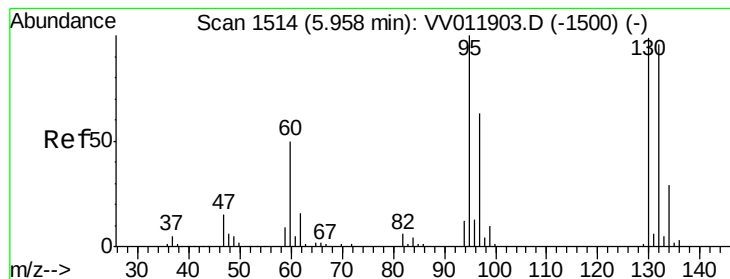
Acq: 17 Jul 2019 10:45

Tgt Ion: 78 Resp: 52337



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 0.947 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV011902.D

Acq: 17 Jul 2019 10:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD00131

Tgt Ion: 95 Resp: 15069

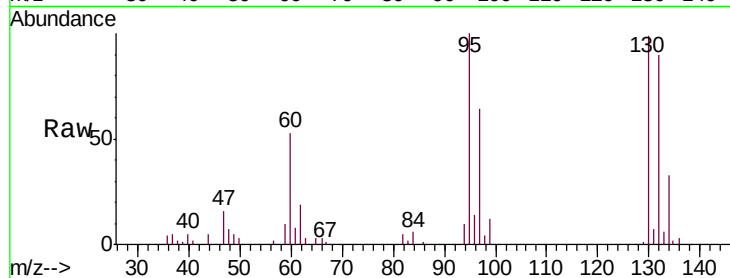
Ion Ratio Lower Upper

95 100

97 63.6 44.0 81.6

132 90.4 67.0 124.4

130 99.0 69.1 128.3

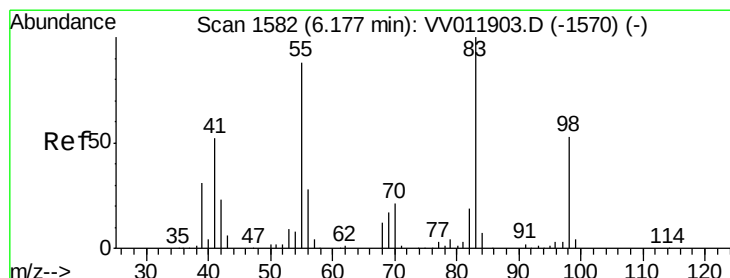
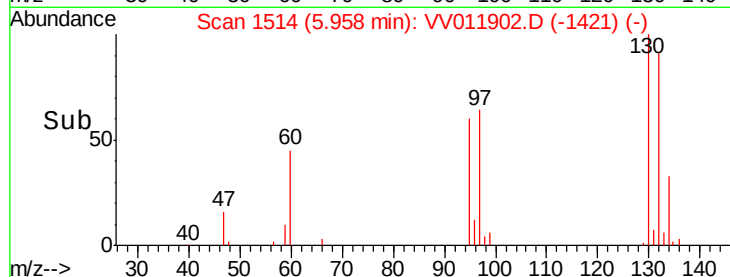
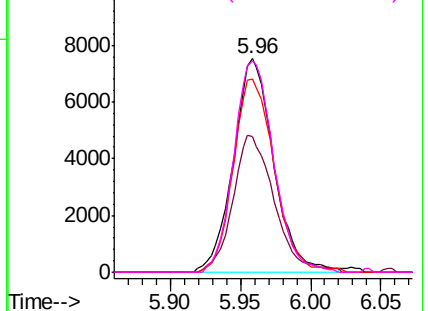


Abundance Ion 95.00 (94.70 to 95.70): VV011903.D (-1500) (-)

Ion 96.95 (96.65 to 97.65): VV011903.D (-1500) (-)

Ion 131.95 (131.65 to 132.65): VV011903.D (-1500) (-)

Ion 129.95 (129.65 to 130.65): VV011903.D (-1500) (-)



#35

Methylcyclohexane

Concen: 0.895 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV011902.D

Acq: 17 Jul 2019 10:45

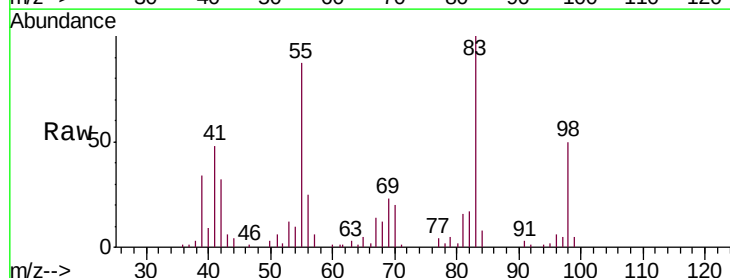
Tgt Ion: 83 Resp: 20725

Ion Ratio Lower Upper

83 100

55 84.3 66.7 100.1

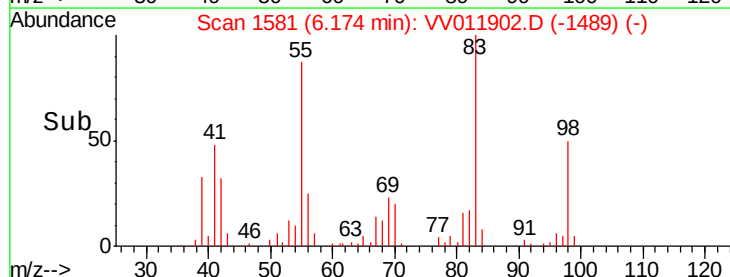
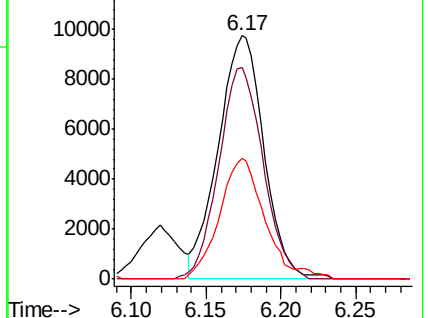
98 49.5 39.0 58.4

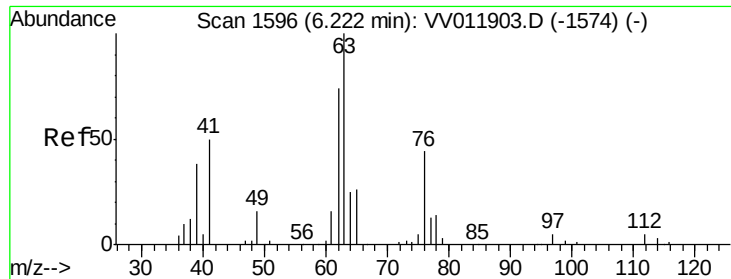


Abundance Ion 83.15 (82.85 to 83.85): VV011903.D (-1570) (-)

Ion 55.10 (54.80 to 55.80): VV011903.D (-1570) (-)

Ion 98.15 (97.85 to 98.85): VV011903.D (-1570) (-)

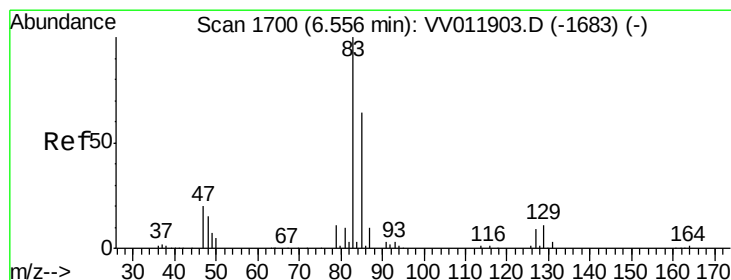
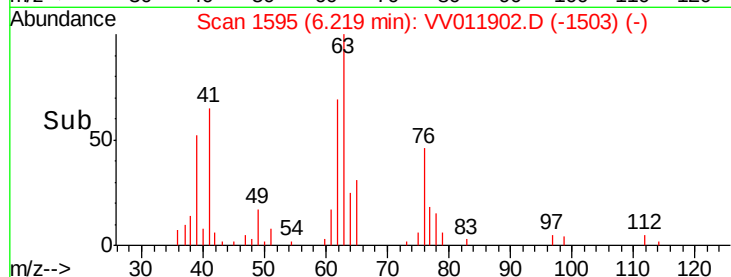
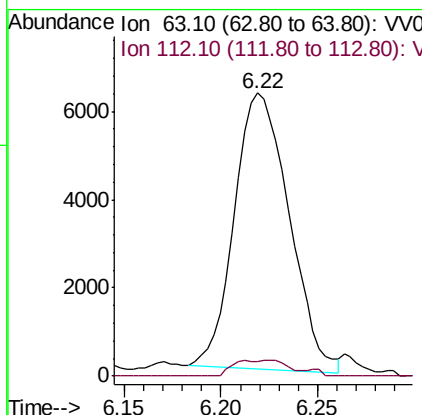
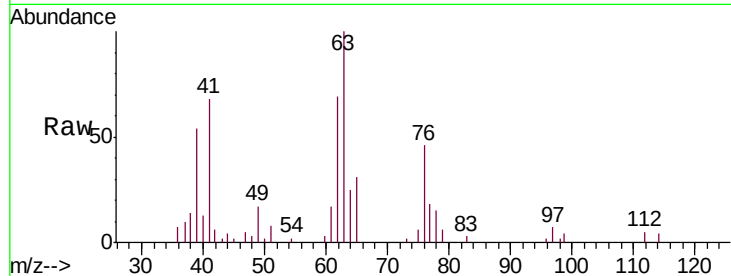




#37
 1,2-Dichloropropane
 Concen: 0.882 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VV011902.D
 Acq: 17 Jul 2019 10:45

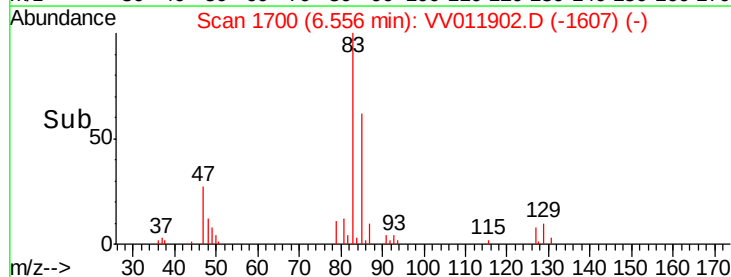
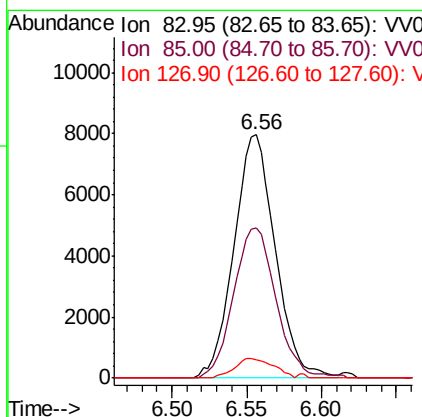
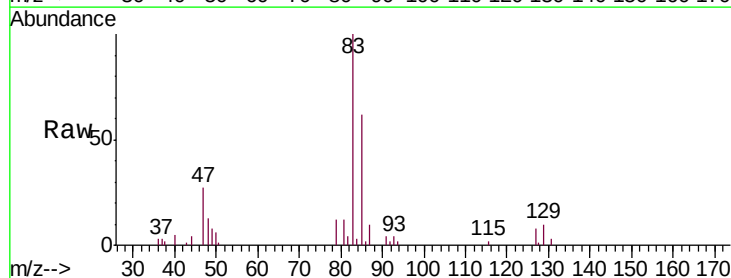
Instrument :
 MSVOA_V
 ClientSampleID :
 VSTD00131

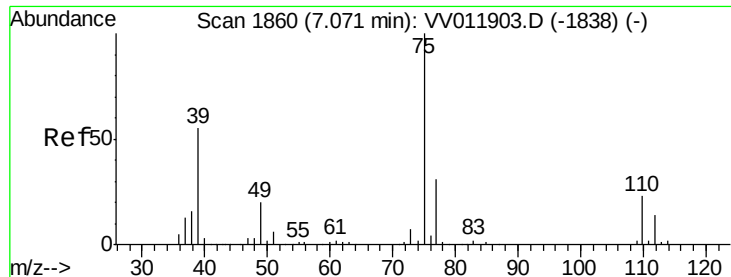
Tgt Ion: 63 Resp: 12314
 Ion Ratio Lower Upper
 63 100
 112 2.7 3.4 5.2#



#38
 Bromodichloromethane
 Concen: 0.918 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV011902.D
 Acq: 17 Jul 2019 10:45

Tgt Ion: 83 Resp: 15318
 Ion Ratio Lower Upper
 83 100
 85 61.9 45.1 83.7
 127 7.6 7.1 10.7

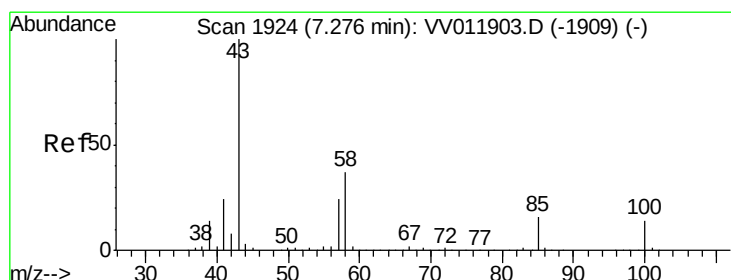
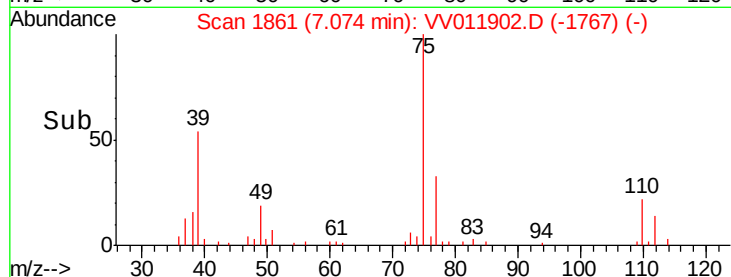
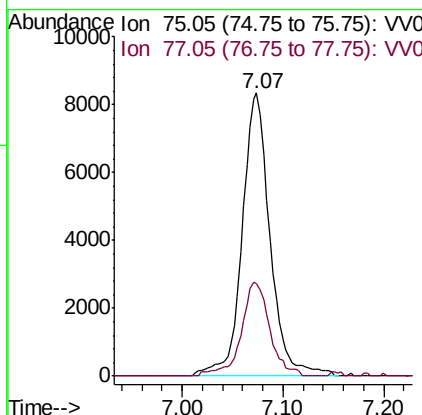
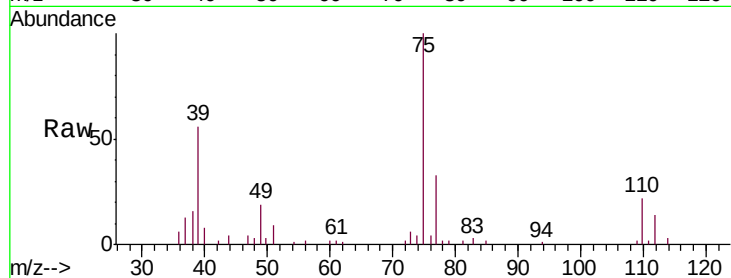




#39
 cis-1,3-Dichloropropene
 Concen: 0.847 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV011902.D
 Acq: 17 Jul 2019 10:45

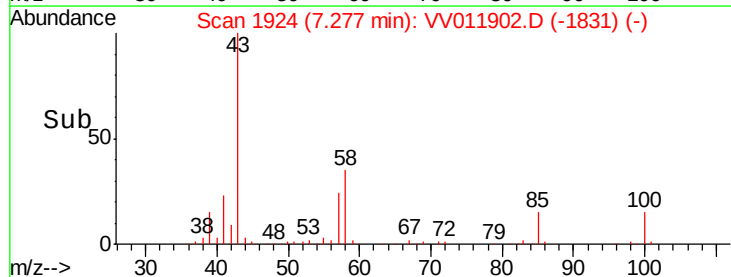
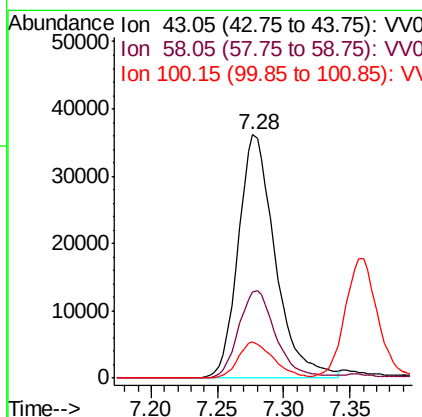
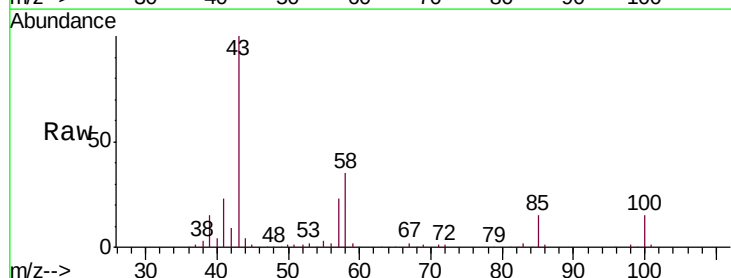
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00131

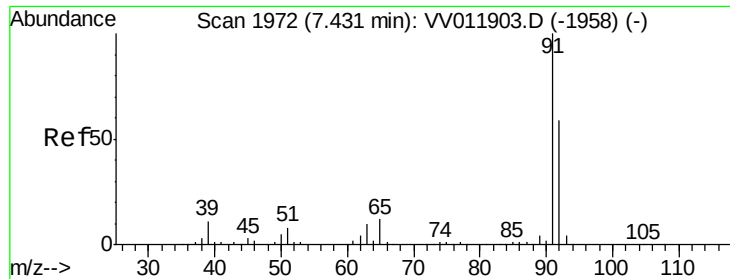
Tgt Ion: 75 Resp: 15921
 Ion Ratio Lower Upper
 75 100
 77 32.6 21.6 40.2



#40
 4-Methyl-2-pentanone
 Concen: 8.535 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV011902.D
 Acq: 17 Jul 2019 10:45

Tgt Ion: 43 Resp: 70304
 Ion Ratio Lower Upper
 43 100
 58 36.1 29.4 44.2
 100 14.2 11.1 16.7





#42

Toluene

Concen: 0.914 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV011902.D

Acq: 17 Jul 2019 10:45

Instrument :

MSVOA_V

ClientSampleId :

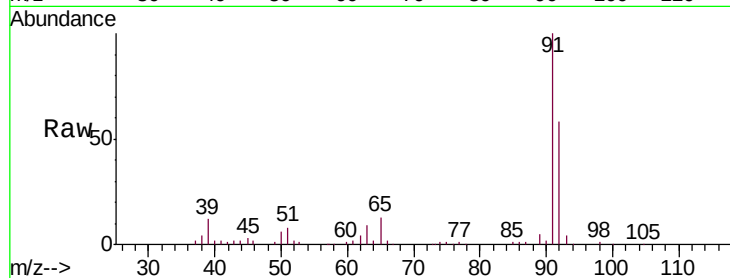
VSTD00131

Tgt Ion: 91 Resp: 53325

Ion Ratio Lower Upper

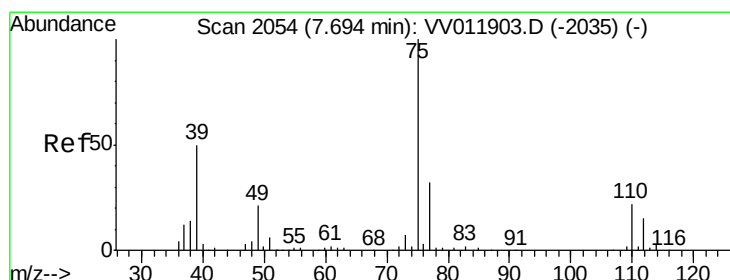
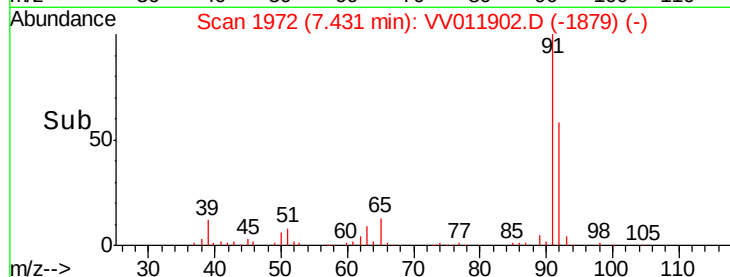
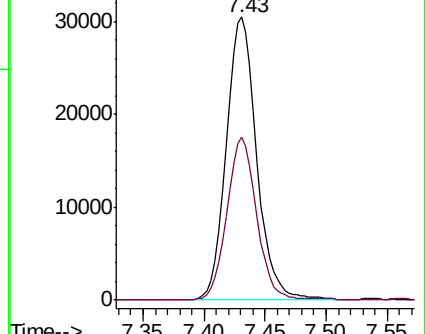
91 100

92 57.6 41.1 76.3



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: 0.832 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV011902.D

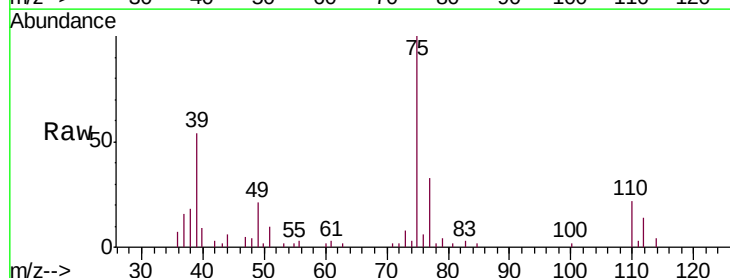
Acq: 17 Jul 2019 10:45

Tgt Ion: 75 Resp: 12317

Ion Ratio Lower Upper

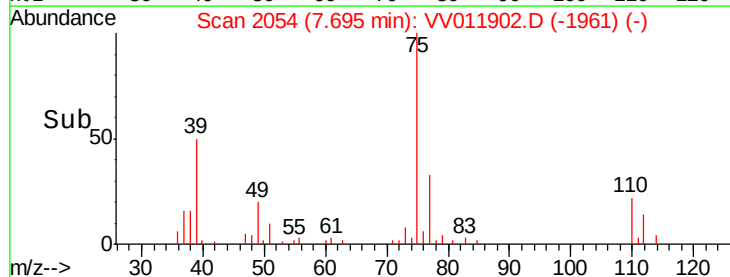
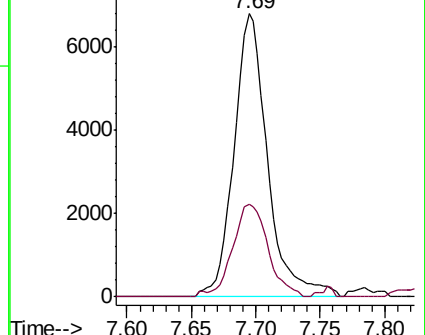
75 100

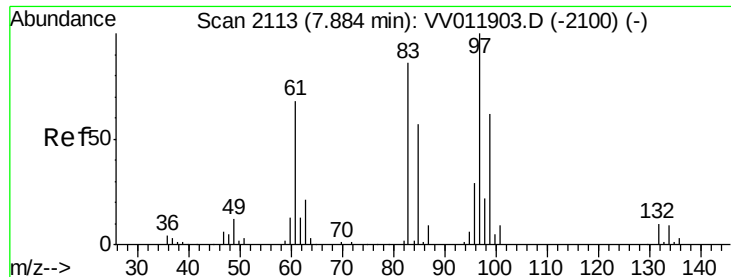
77 32.8 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

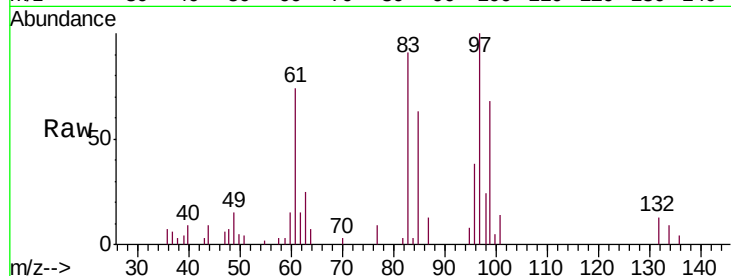




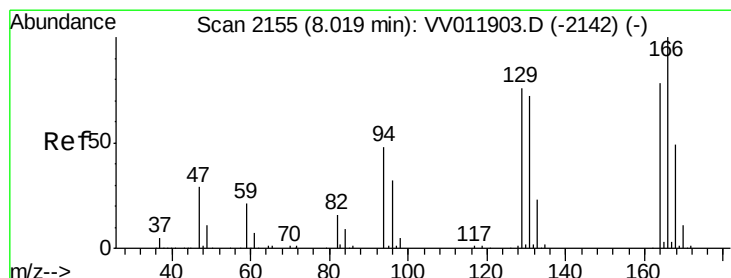
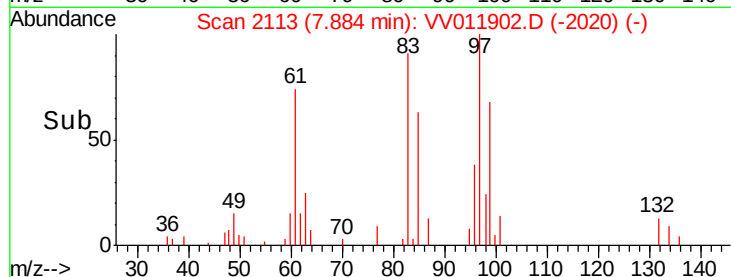
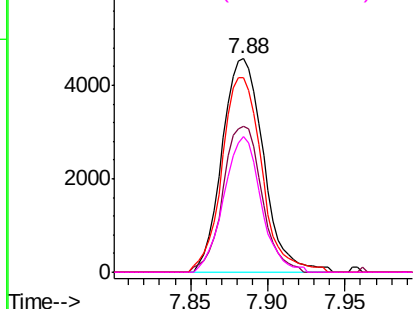
#45
 1,1,2-Trichloroethane
 Concen: 0.914 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV011902.D
 Acq: 17 Jul 2019 10:45

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00131

Tgt Ion:	97	Resp:	8505
Ion	Ratio	Lower	Upper
97	100		
99	68.1	43.5	80.7
83	90.9	60.5	112.3
85	63.3	39.6	73.6

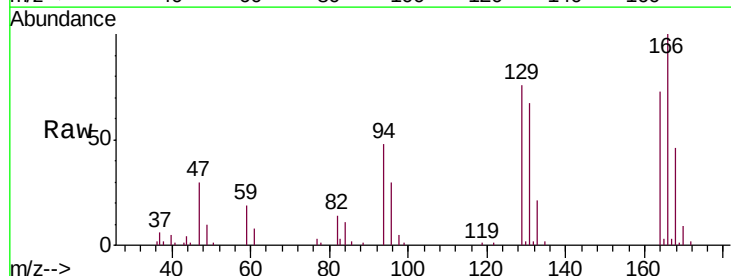


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

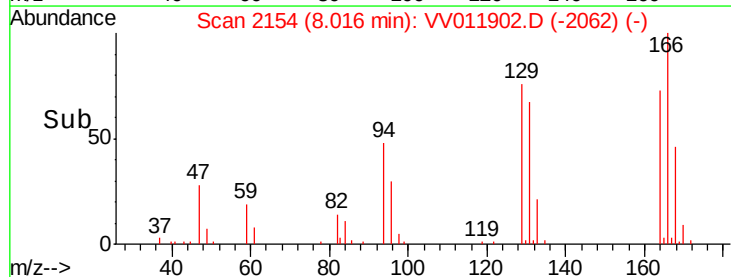
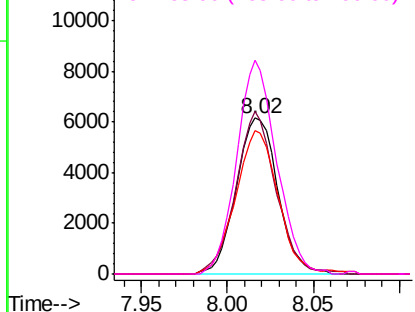


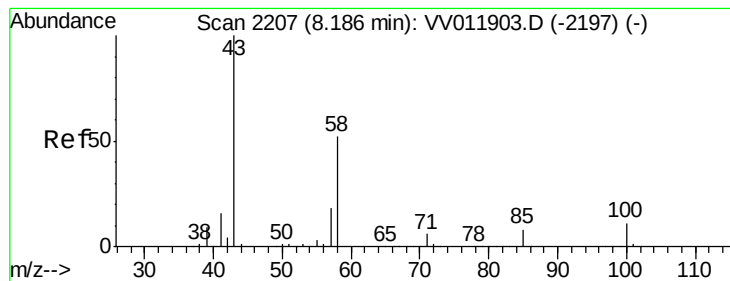
#47
 Tetrachloroethene
 Concen: 0.889 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV011902.D
 Acq: 17 Jul 2019 10:45

Tgt Ion:	164	Resp:	10342
Ion	Ratio	Lower	Upper
164	100		
129	104.2	68.6	127.4
131	92.3	64.6	120.0
166	137.2	89.7	166.7



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: 8.475 ug/L

RT: 8.19 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VV011902.D

Acq: 17 Jul 2019 10:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD00131

Tgt Ion: 43 Resp: 50285

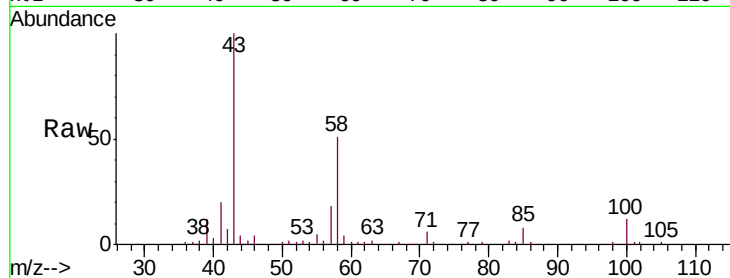
Ion Ratio Lower Upper

43 100

58 49.8 41.1 61.7

57 15.8 14.3 21.5

100 10.1 8.7 13.1

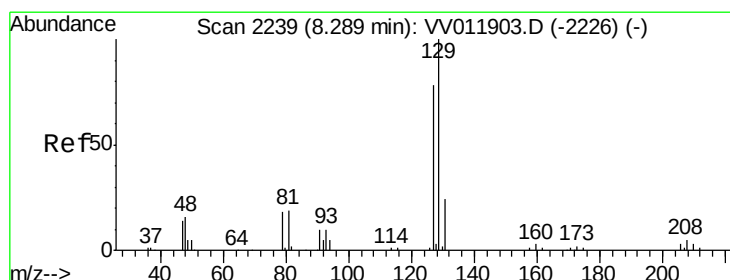
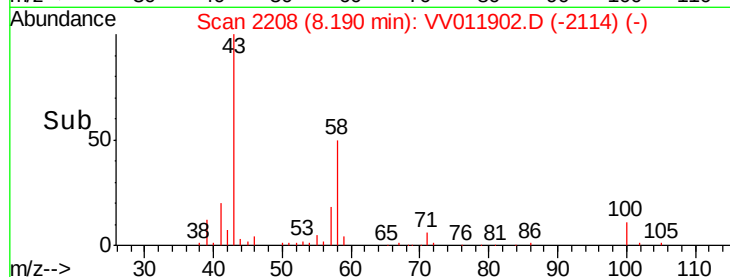
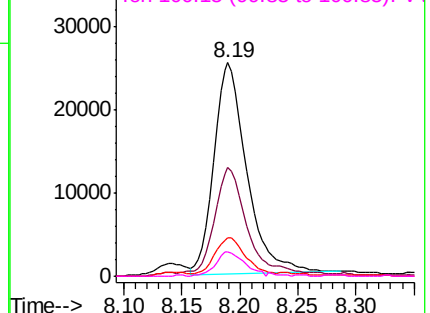


Abundance Ion 43.05 (42.75 to 43.75): VV011902.D (-2197) (-)

Ion 58.05 (57.75 to 58.75): VV011902.D (-2197) (-)

Ion 57.20 (56.90 to 57.90): VV011902.D (-2197) (-)

Ion 100.15 (99.85 to 100.85): VV011902.D (-2197) (-)



#49

Dibromochloromethane

Concen: 0.846 ug/L

RT: 8.29 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VV011902.D

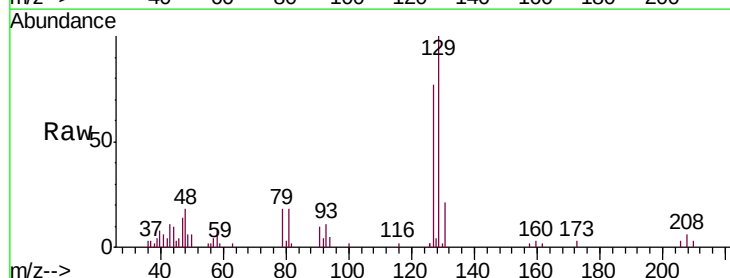
Acq: 17 Jul 2019 10:45

Tgt Ion: 129 Resp: 8687

Ion Ratio Lower Upper

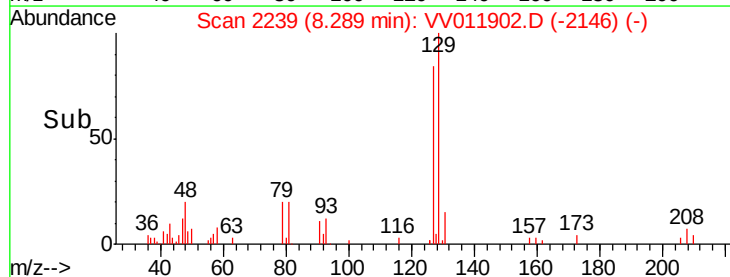
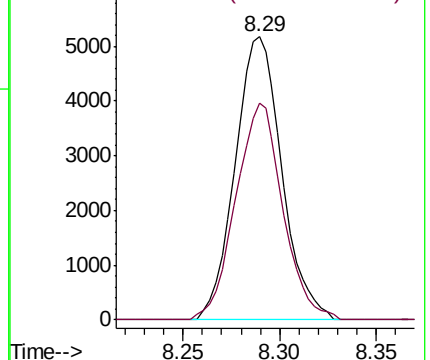
129 100

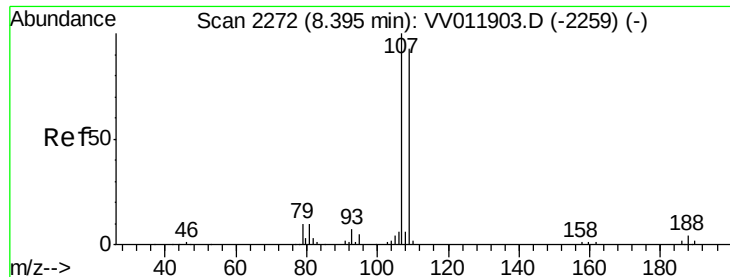
127 76.8 54.3 100.9



Abundance Ion 128.95 (128.65 to 129.65): VV011902.D (-2146) (-)

Ion 126.90 (126.60 to 127.60): VV011902.D (-2146) (-)

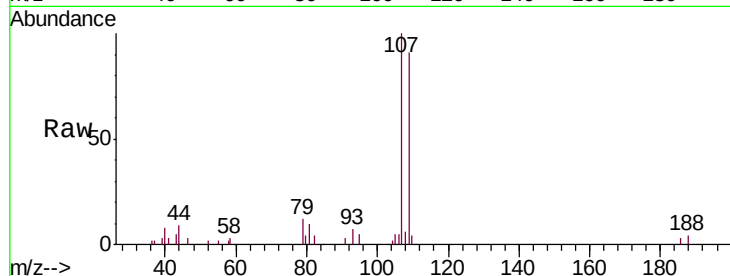




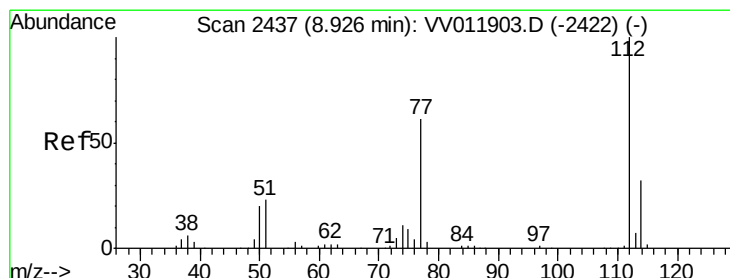
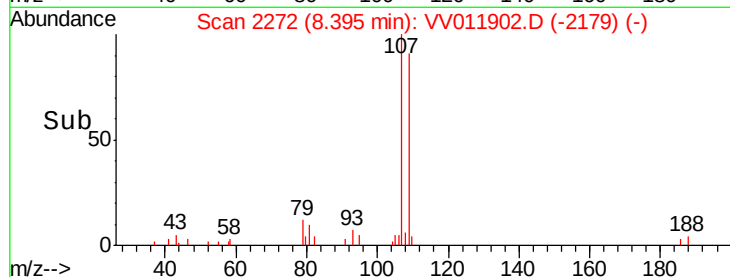
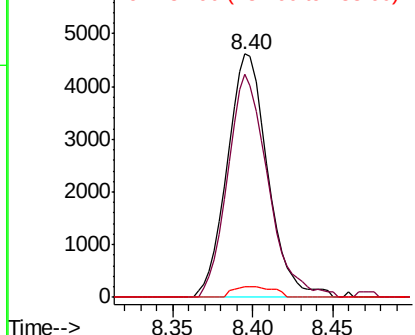
#50
1,2-Dibromoethane
Concen: 0.928 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV011902.D
Acq: 17 Jul 2019 10:45

Instrument :
MSVOA_V
ClientSampleId :
VSTD00131

Tgt Ion:107 Resp: 7985
Ion Ratio Lower Upper
107 100
109 91.4 65.2 121.2
188 4.1 2.9 4.3

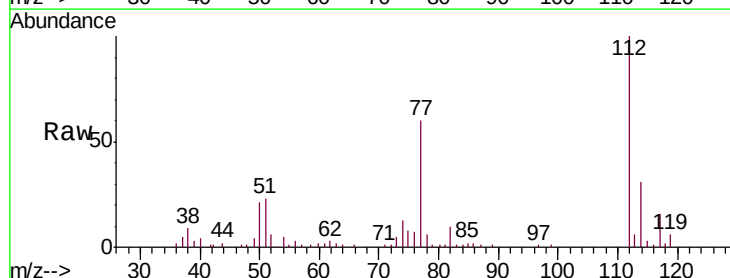


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

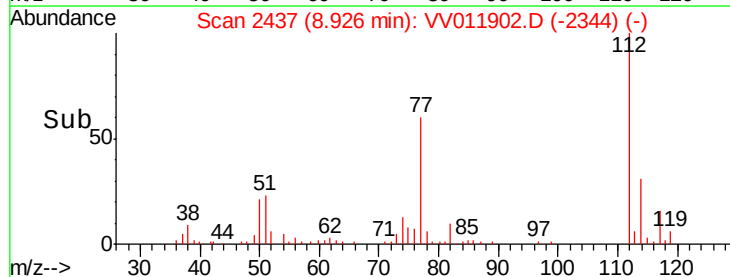
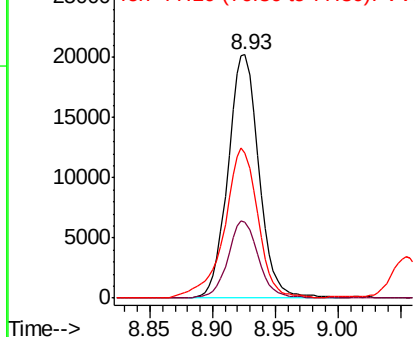


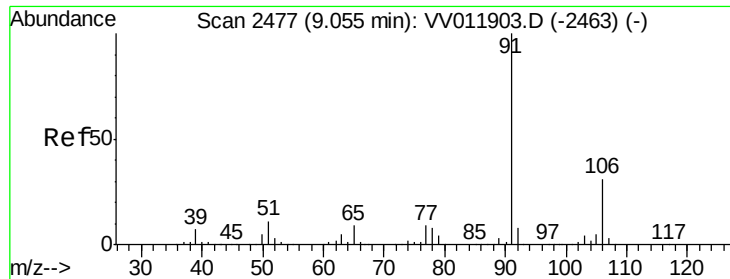
#51
Chlorobenzene
Concen: 0.919 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV011902.D
Acq: 17 Jul 2019 10:45

Tgt Ion:112 Resp: 34639
Ion Ratio Lower Upper
112 100
114 31.4 22.6 42.0
77 59.6 48.6 73.0



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: 0.868 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV011902.D

Acq: 17 Jul 2019 10:45

Instrument :

MSVOA_V

ClientSampleId :

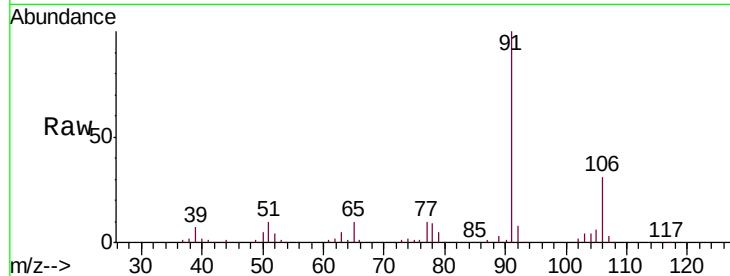
VSTD00131

Tgt Ion: 91 Resp: 55963

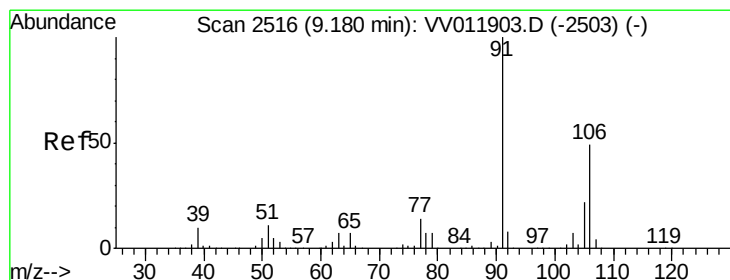
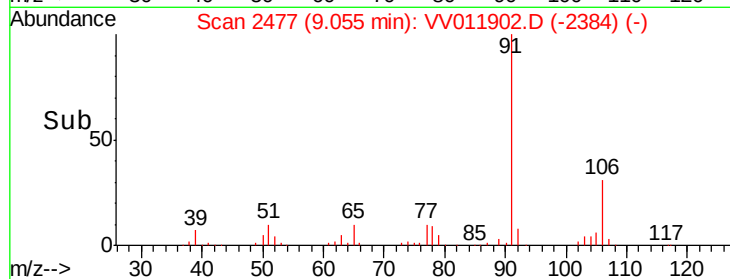
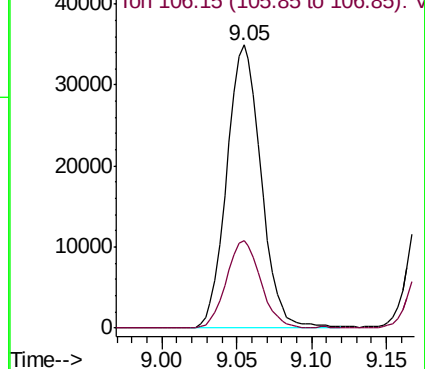
Ion Ratio Lower Upper

91 100

106 30.9 21.4 39.8



Abundance Ion 91.15 (90.85 to 91.85): VV011903.D (-2463) (-)



#53

m,p-xylene

Concen: 0.854 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV011902.D

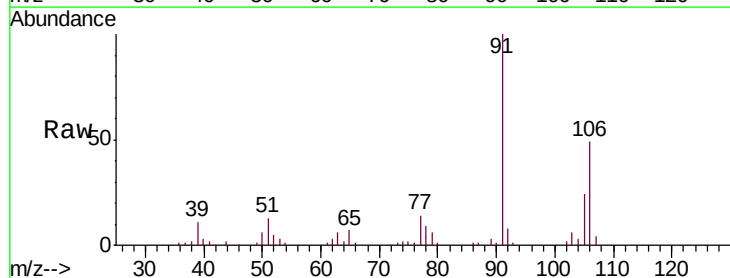
Acq: 17 Jul 2019 10:45

Tgt Ion: 106 Resp: 20333

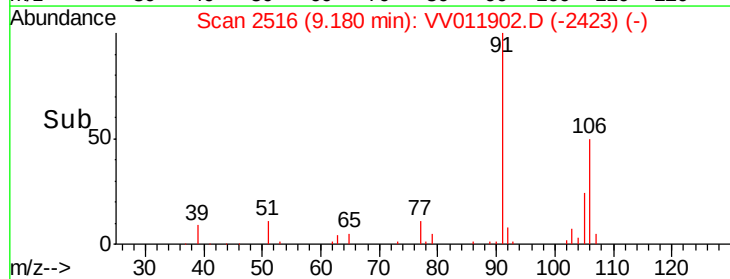
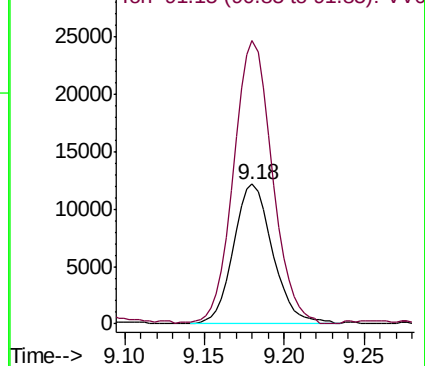
Ion Ratio Lower Upper

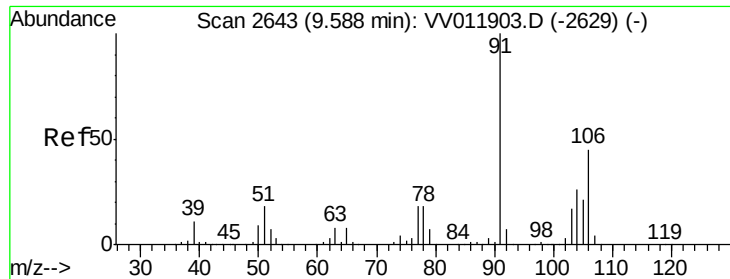
106 100

91 203.0 141.8 263.4



Abundance Ion 106.15 (105.85 to 106.85): VV011903.D (-2503) (-)

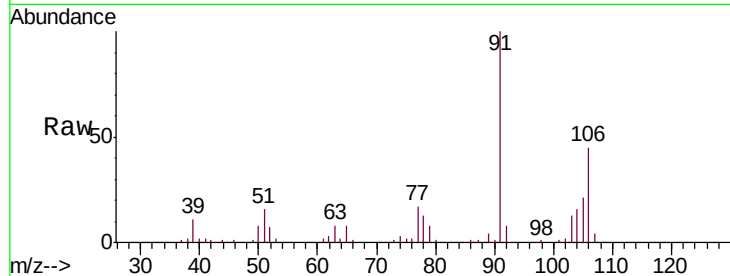




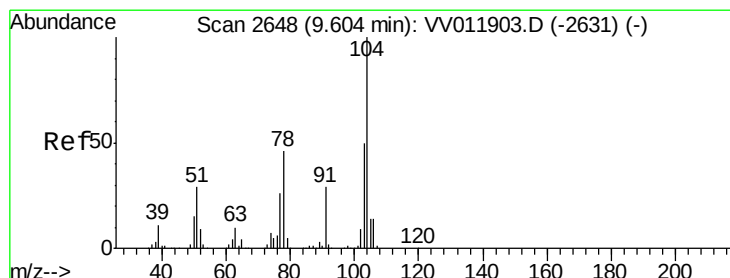
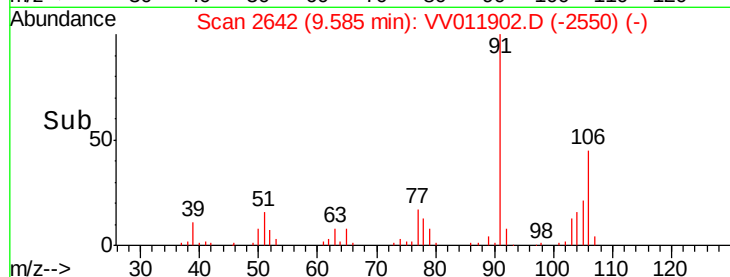
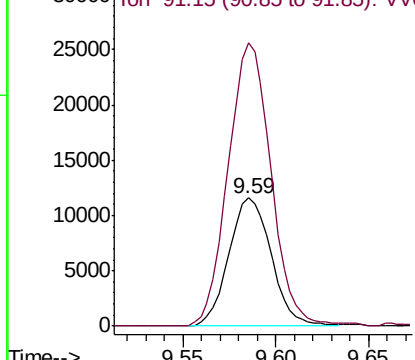
#54
o-xylene
Concen: 0.813 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. -0.00 min
Lab File: VV011902.D
Acq: 17 Jul 2019 10:45

Instrument :
MSVOA_V
ClientSampleId :
VSTD00131

Tgt Ion:106 Resp: 18422
Ion Ratio Lower Upper
106 100
91 221.1 156.9 291.3

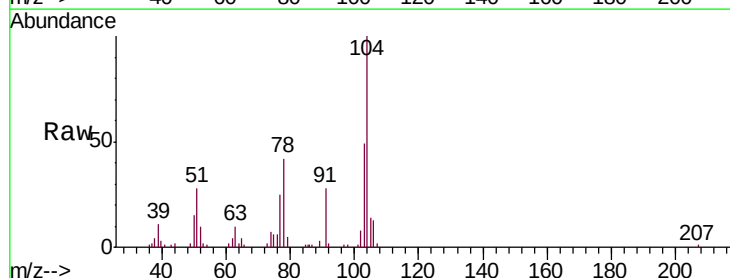


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

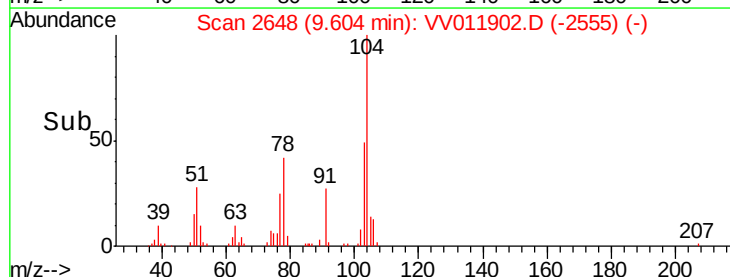
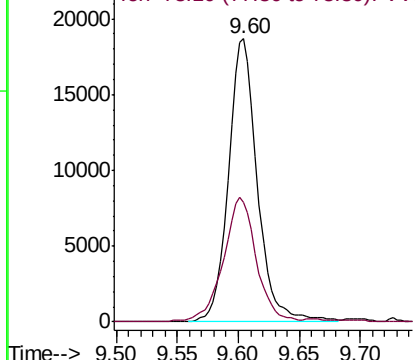


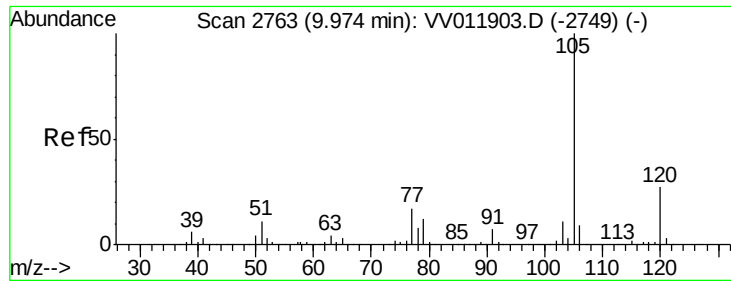
#55
Styrene
Concen: 0.809 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV011902.D
Acq: 17 Jul 2019 10:45

Tgt Ion:104 Resp: 30907
Ion Ratio Lower Upper
104 100
78 42.3 32.0 59.4



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





#56

Isopropylbenzene

Concen: 0.823 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV011902.D

Acq: 17 Jul 2019 10:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD00131

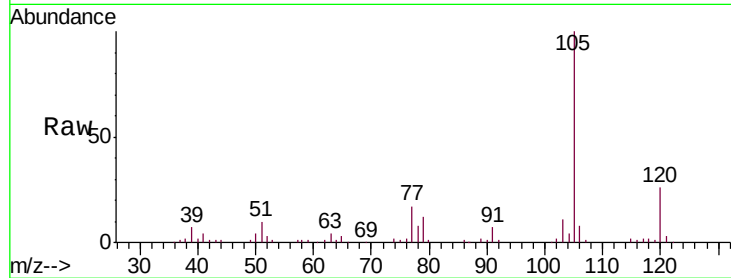
Tgt Ion:105 Resp: 50934

Ion Ratio Lower Upper

105 100

120 27.6 20.8 31.2

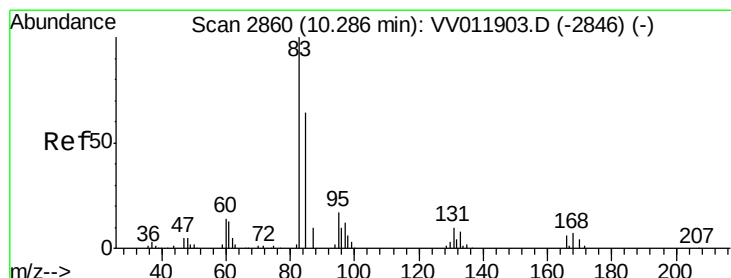
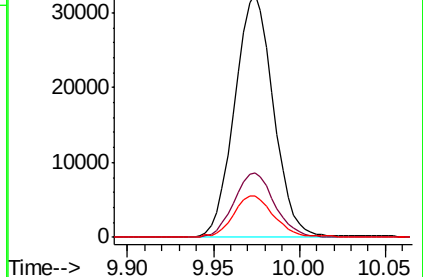
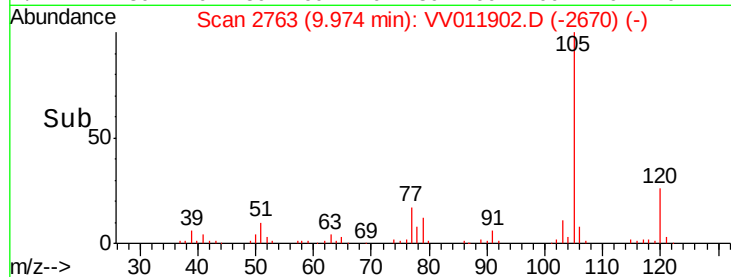
77 17.9 13.3 19.9



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: 0.792 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV011902.D

Acq: 17 Jul 2019 10:45

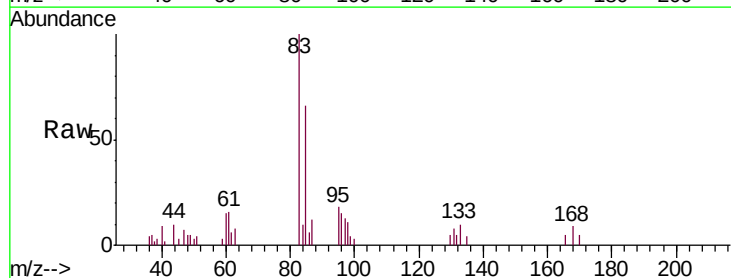
Tgt Ion: 83 Resp: 7227

Ion Ratio Lower Upper

83 100

85 66.3 44.9 83.3

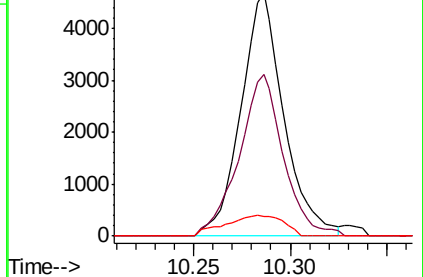
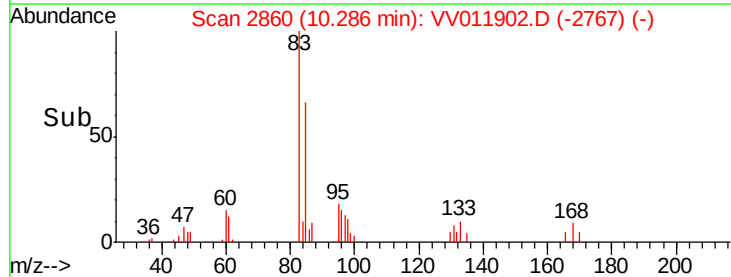
131 8.3 8.2 12.2

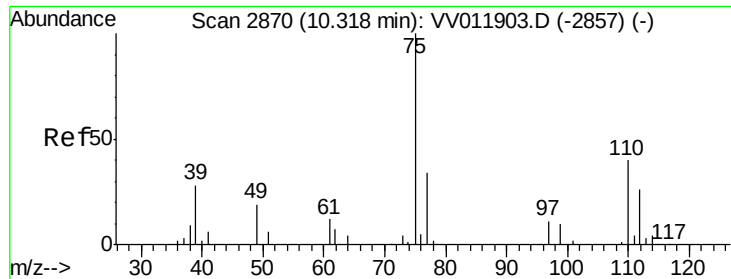


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

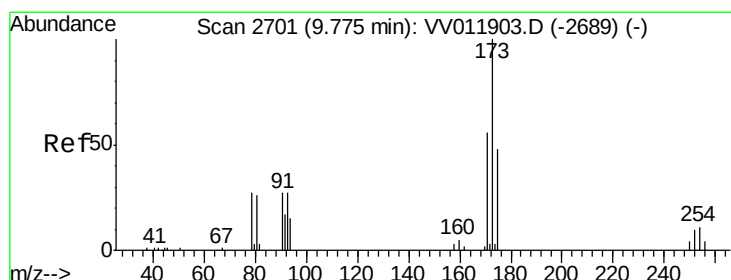
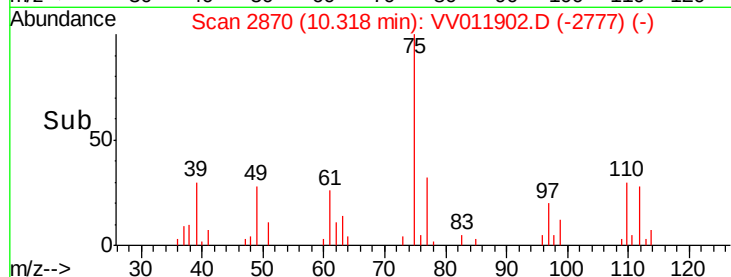
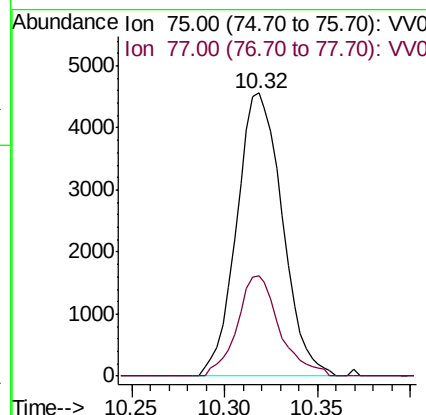
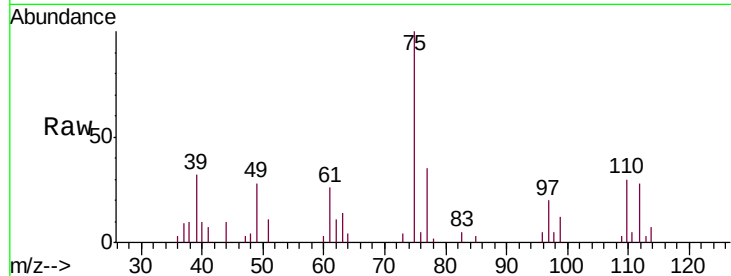




#59
 1,2,3-Trichloropropane
 Concen: 0.948 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV011902.D
 Acq: 17 Jul 2019 10:45

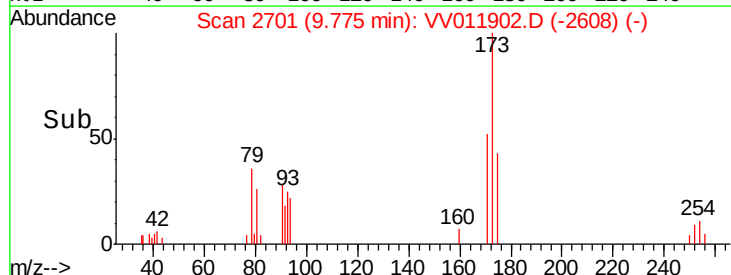
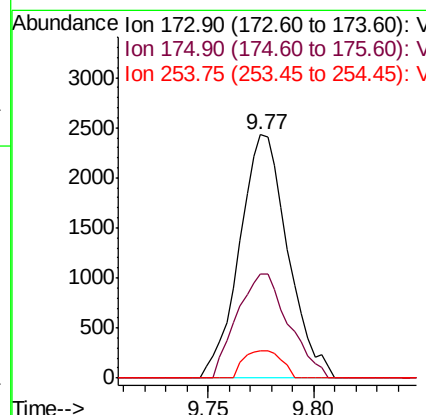
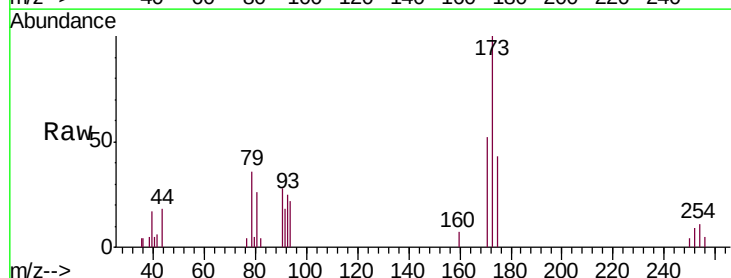
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00131

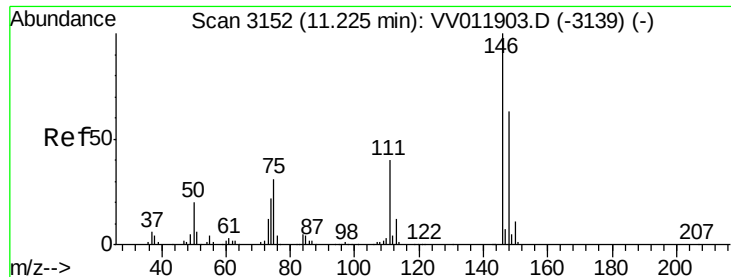
Tgt Ion: 75 Resp: 7794
 Ion Ratio Lower Upper
 75 100
 77 32.8 26.3 39.5



#61
 Bromoform
 Concen: 0.862 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV011902.D
 Acq: 17 Jul 2019 10:45

Tgt Ion: 173 Resp: 3868
 Ion Ratio Lower Upper
 173 100
 175 45.5 39.1 58.7
 254 8.8 7.8 11.8





#62

1,3-Dichlorobenzene

Concen: 0.939 ug/L

RT: 11.22 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV011902.D

Acq: 17 Jul 2019 10:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD00131

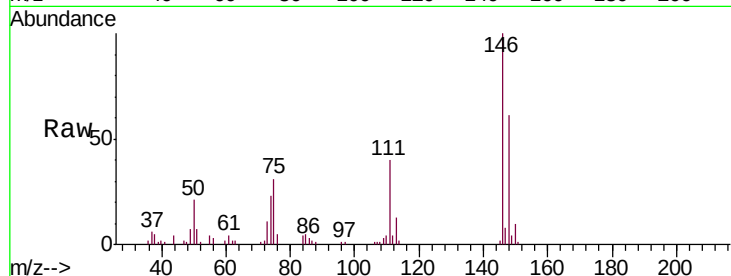
Tgt Ion:146 Resp: 24609

Ion Ratio Lower Upper

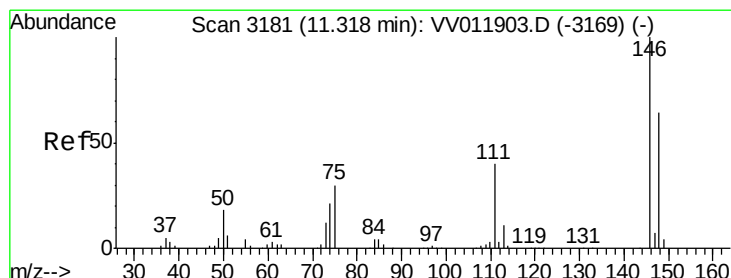
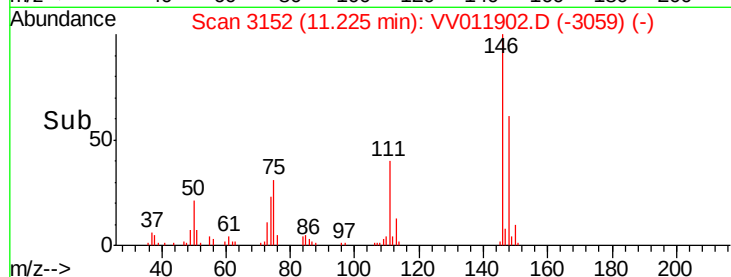
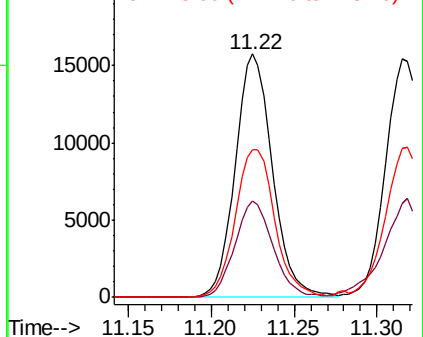
146 100

111 39.8 28.1 52.1

148 60.8 44.3 82.3



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: 0.952 ug/L

RT: 11.31 min Scan# 3180

Delta R.T. -0.00 min

Lab File: VV011902.D

Acq: 17 Jul 2019 10:45

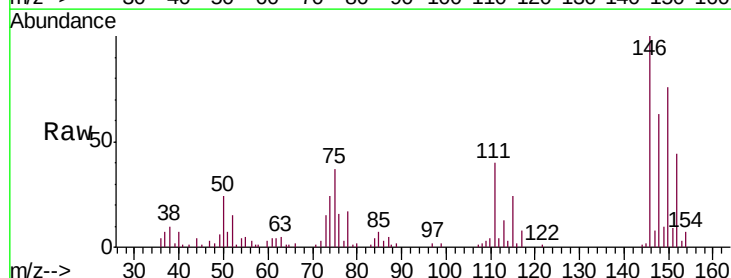
Tgt Ion:146 Resp: 25849

Ion Ratio Lower Upper

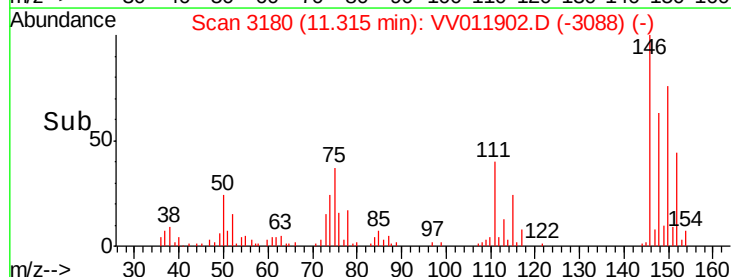
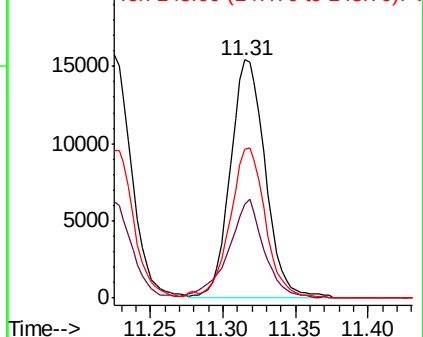
146 100

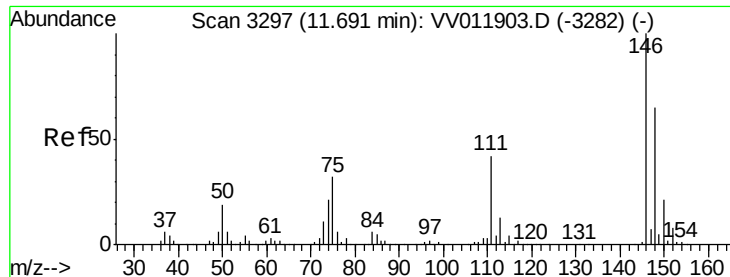
111 39.5 28.0 52.0

148 62.7 44.5 82.7



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: 0.942 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. -0.00 min

Lab File: VV011902.D

Acq: 17 Jul 2019 10:45

Instrument :

MSVOA_V

ClientSampled :

VSTD00131

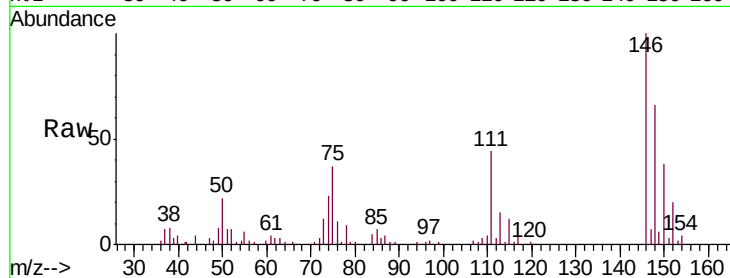
Tgt Ion: 146 Resp: 23360

Ion Ratio Lower Upper

146 100

111 44.2 34.0 51.0

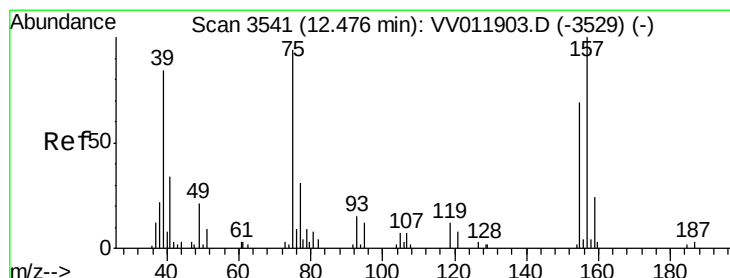
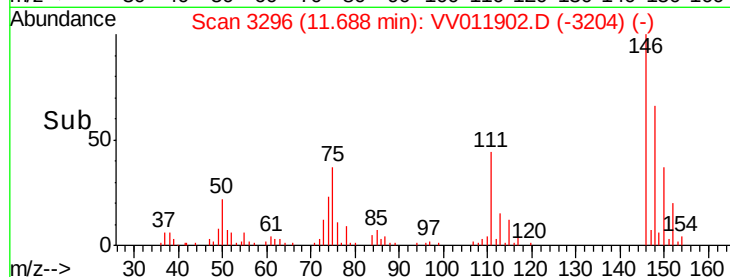
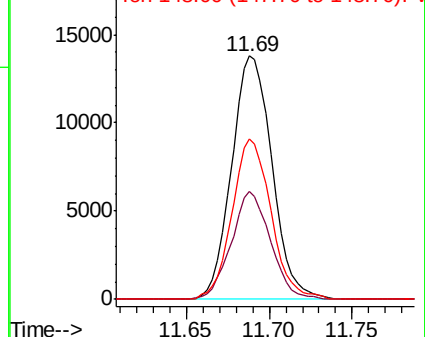
148 66.1 51.8 77.6



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: 0.779 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. -0.00 min

Lab File: VV011902.D

Acq: 17 Jul 2019 10:45

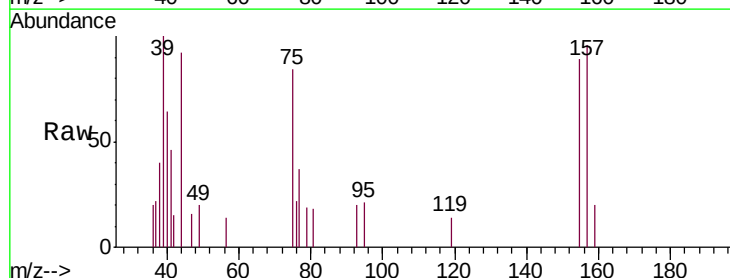
Tgt Ion: 75 Resp: 1179

Ion Ratio Lower Upper

75 100

155 105.1 59.4 89.0#

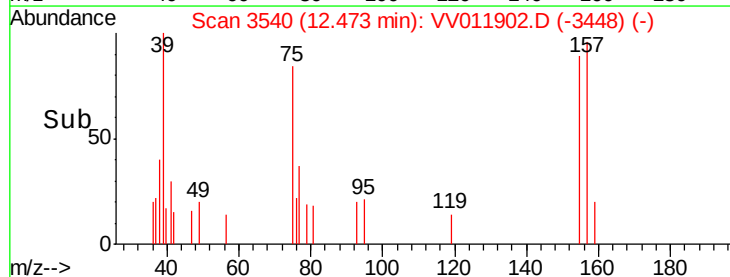
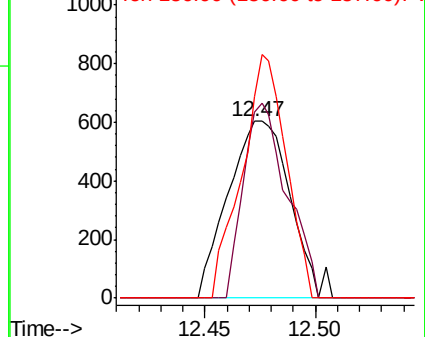
157 114.1 85.5 128.3

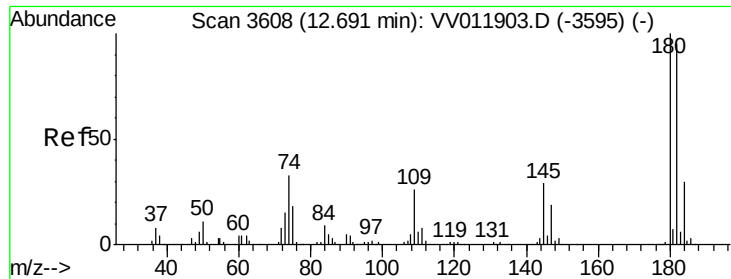


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

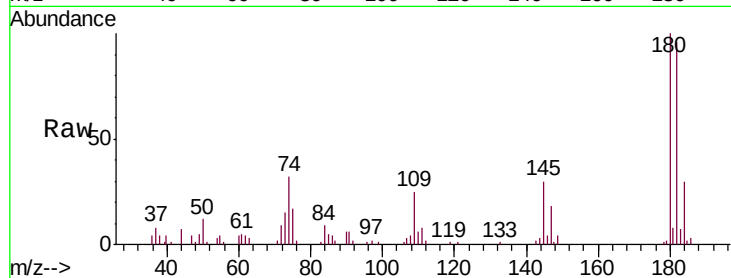




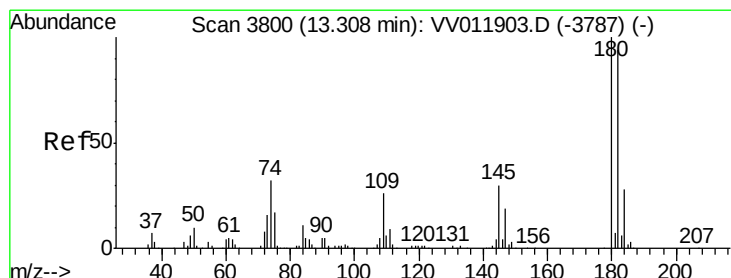
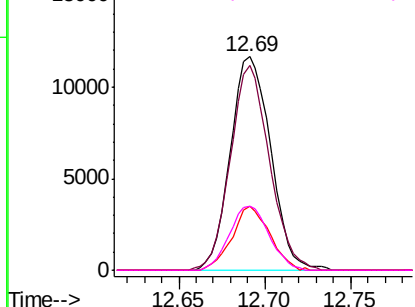
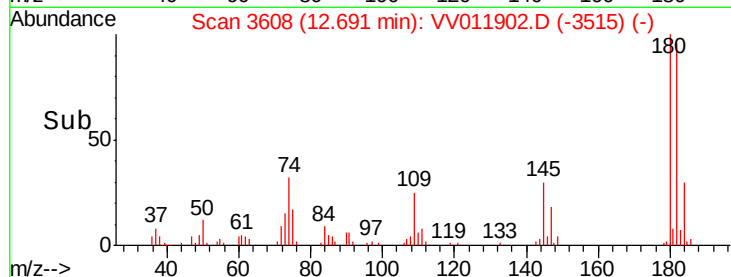
#67
 1,3,5-Trichlorobenzene
 Concen: 0.922 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV011902.D
 Acq: 17 Jul 2019 10:45

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00131

Tgt Ion:	180	Resp:	18981
Ion	Ratio	Lower	Upper
180	100		
182	93.1	75.5	113.3
184	28.1	24.2	36.2
145	29.7	23.5	35.3

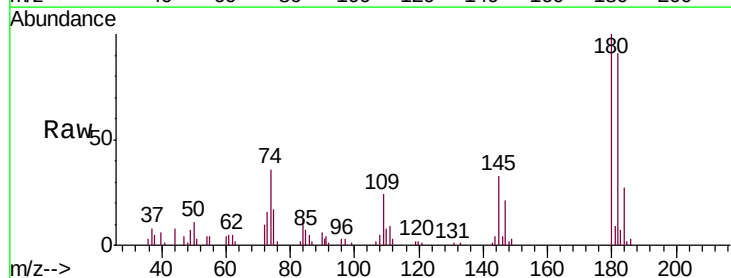


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

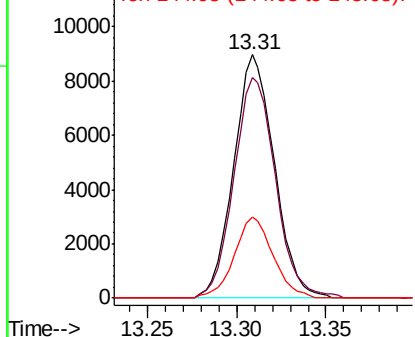
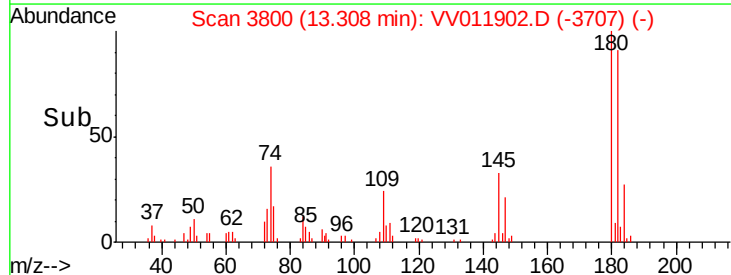


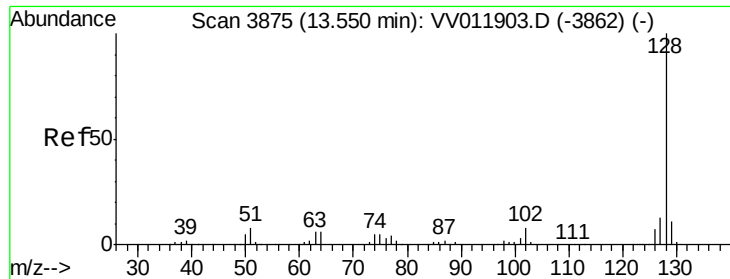
#68
 1,2,4-trichlorobenzene
 Concen: 0.868 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV011902.D
 Acq: 17 Jul 2019 10:45

Tgt Ion:	180	Resp:	14218
Ion	Ratio	Lower	Upper
180	100		
182	92.9	76.0	114.0
145	31.8	24.2	36.4



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: 0.781 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV011902.D

Acq: 17 Jul 2019 10:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD00131

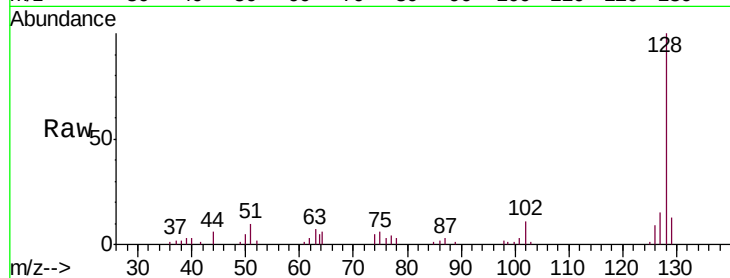
Tgt Ion:128 Resp: 18927

Ion Ratio Lower Upper

128 100

129 12.0 8.6 13.0

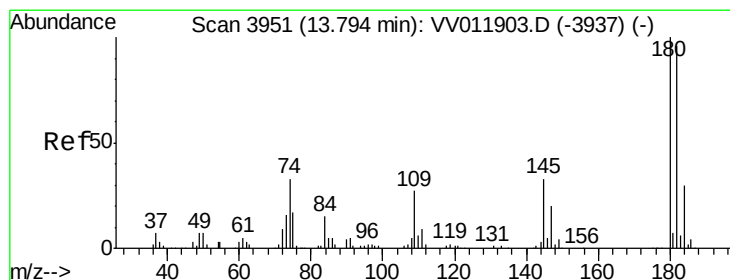
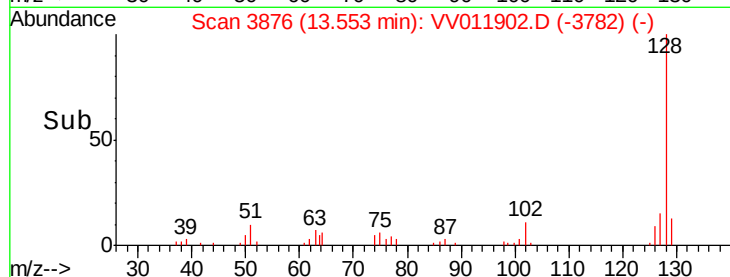
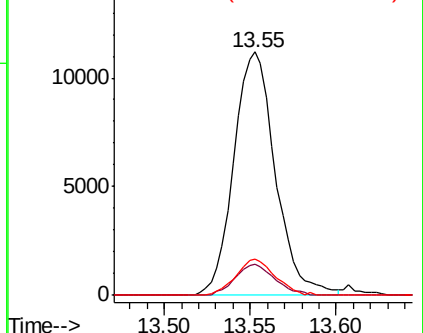
127 13.9 10.7 16.1



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: 0.874 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV011902.D

Acq: 17 Jul 2019 10:45

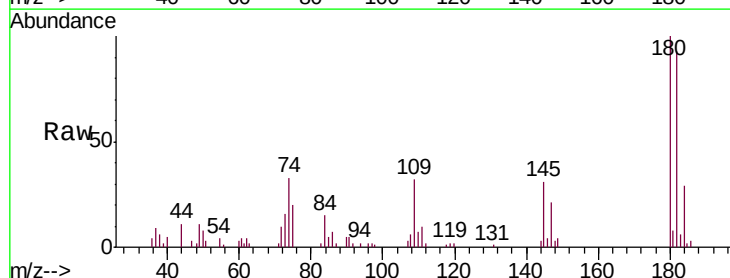
Tgt Ion:180 Resp: 12941

Ion Ratio Lower Upper

180 100

182 93.8 77.0 115.6

145 30.7 26.1 39.1



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

