

Data File : VV011799.D
Acq On : 02 Jul 2019 10:27
Operator : SY/MD
Sample : VSTD00135
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00135

Quant Time: Jul 03 07:53:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR070219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 03 07:50:25 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	192494	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	186159	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	81646	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	12511	0.86	ug/L	0.00
7) Chloroethane-d5	1.58	69	9283	0.97	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	23424	0.84	ug/L	0.00
20) 2-Butanone-d5	3.98	46	27304	6.87	ug/L	0.00
24) Chloroform-d	4.40	84	24432	0.87	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	12360	0.81	ug/L	0.00
32) Benzene-d6	5.09	84	43848	0.79	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	14038	0.81	ug/L	0.00
41) Toluene-d8	7.36	98	39803	0.80	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	4354	0.74	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	19068	5.88	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	9722	0.75	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	13271	0.82	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	17985	1.013 ug/L	99
3) Chloromethane	1.25	50	18077	0.959 ug/L	99
5) Vinyl chloride	1.32	62	16986	0.922 ug/L	98
6) Bromomethane	1.54	94	8820	1.085 ug/L	98
8) Chloroethane	1.60	64	9734	1.036 ug/L	97
9) Trichlorofluoromethane	1.77	101	22160	1.047 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	12497	1.045 ug/L	97
12) 1,1-Dichloroethene	2.14	96	11489	0.951 ug/L	91
13) Acetone	2.23	43	21412	7.961 ug/L	68
14) Carbon disulfide	2.32	76	28269	0.863 ug/L	96
15) Methyl Acetate	2.47	43	5163	0.741 ug/L	97
16) Methylene chloride	2.53	84	14535	1.061 ug/L	99
17) Methyl tert-butyl Ether	2.81	73	28700	0.813 ug/L	97
18) trans-1,2-Dichloroethene	2.78	96	13081	0.961 ug/L	96
19) 1,1-Dichloroethane	3.23	63	24511	0.871 ug/L	99
21) 2-Butanone	4.06	43	31485	7.371 ug/L	84
22) cis-1,2-Dichloroethene	3.96	96	13004	0.845 ug/L	96
23) Bromochloromethane	4.30	128	5755	0.937 ug/L	99
25) Chloroform	4.42	83	27580	0.974 ug/L	96
27) 1,2-Dichloroethane	5.18	62	16587	0.842 ug/L	# 93
29) 1,1,1-Trichloroethane	4.65	97	20523	0.887 ug/L	97
30) Cyclohexane	4.72	56	20885	0.858 ug/L	97
31) Carbon tetrachloride	4.87	117	17336	0.912 ug/L	98
33) Benzene	5.14	78	51289	0.846 ug/L	100
34) Trichloroethene	5.96	95	13716	0.887 ug/L	95
35) Methylcyclohexane	6.17	83	20799	0.910 ug/L	98
37) 1,2-Dichloropropane	6.22	63	13513	0.836 ug/L	# 95
38) Bromodichloromethane	6.55	83	14528	0.795 ug/L	95
39) cis-1,3-Dichloropropene	7.07	75	15123	0.739 ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	75612	6.753 ug/L	98

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 03 07:50:25 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	52816	0.834	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	12117	0.774	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	8604	0.808	ug/L	95
47) Tetrachloroethene	8.02	164	10757	0.945	ug/L	97
48) 2-Hexanone	8.19	43	53895	6.846	ug/L	97
49) Dibromochloromethane	8.29	129	8032	0.746	ug/L	95
50) 1,2-Dibromoethane	8.40	107	7780	0.806	ug/L	97
51) Chlorobenzene	8.92	112	34057	0.873	ug/L	99
52) Ethylbenzene	9.05	91	57397	0.855	ug/L	100
53) m,p-xylene	9.18	106	20660	0.840	ug/L	100
54) o-xylene	9.59	106	19272	0.786	ug/L	95
55) Styrene	9.60	104	32424	0.796	ug/L	94
56) Isopropylbenzene	9.97	105	53511	0.846	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	10613	0.816	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	7525	0.760	ug/L	93
61) Bromoform	9.78	173	3950	0.770	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	24190	0.909	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	25495	0.942	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	23419	0.885	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	1380	0.737	ug/L #	67
67) 1,3,5-Trichlorobenzene	12.69	180	18306	0.928	ug/L	93
68) 1,2,4-trichlorobenzene	13.31	180	14300	0.902	ug/L	97
69) Naphthalene	13.55	128	20585	0.686	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	13642	0.893	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 :
VSTD00135

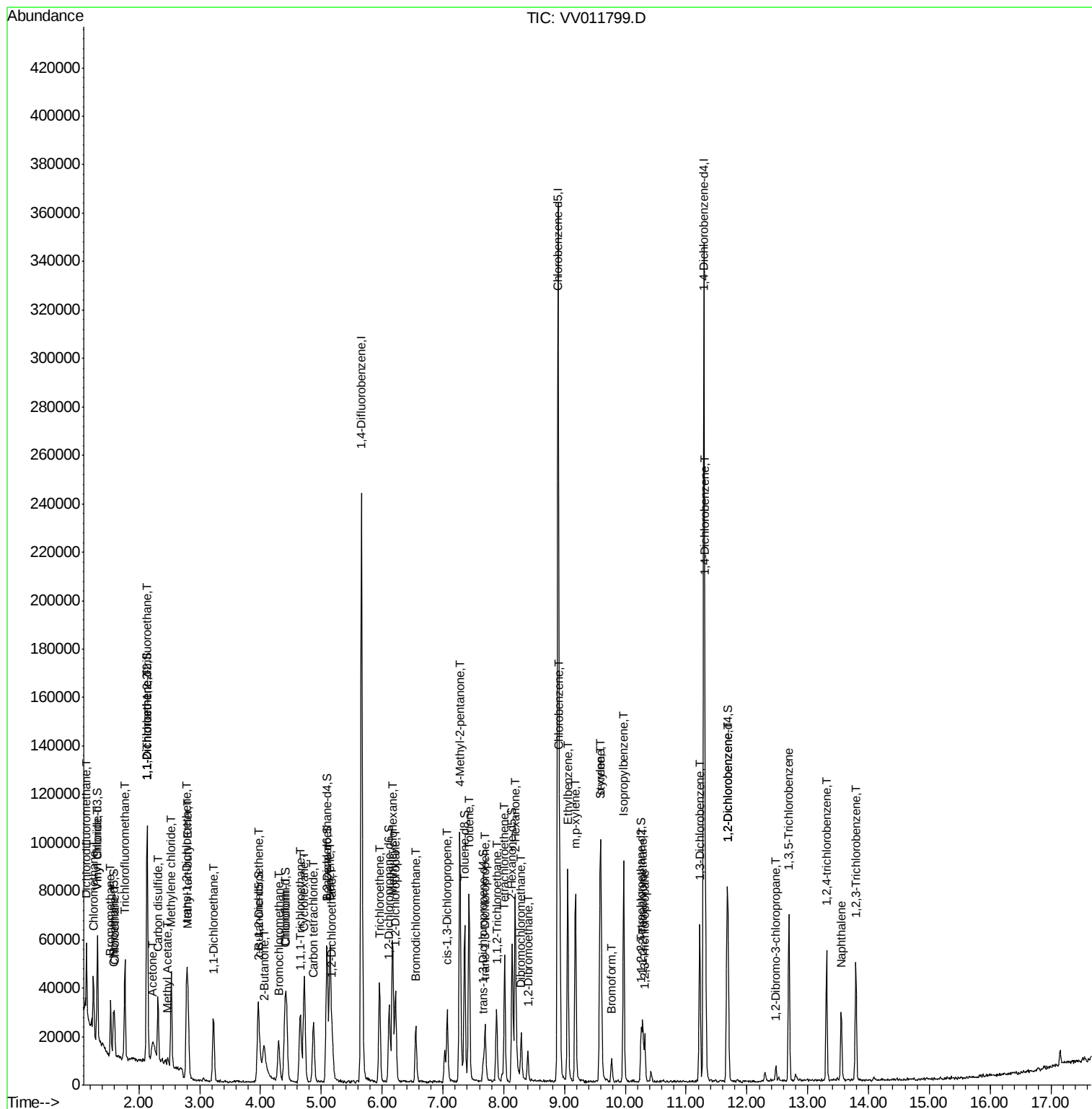
Quant Time: Jul 03 07:53:22 2019

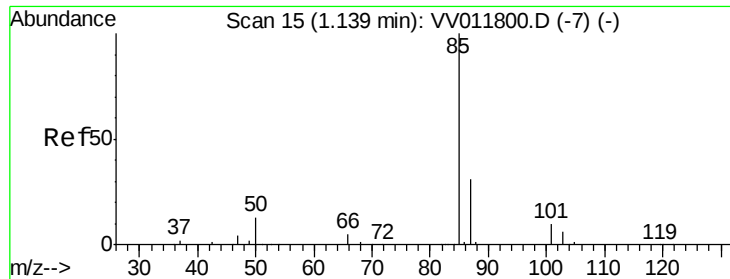
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0MVTR070219WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Wed Jul 03 07:50:25 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 1.013 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV011799.D

Acq: 02 Jul 2019 10:27

Instrument :

MSVOA_V

ClientSampleId :

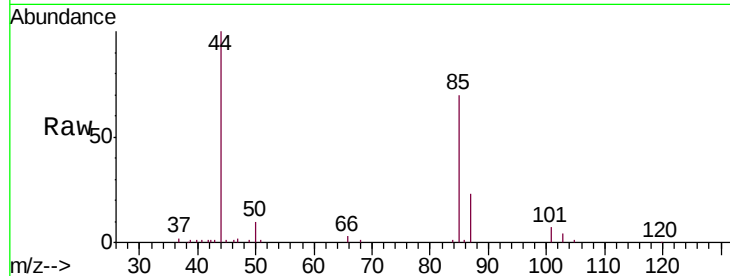
VSTD00135

Tgt Ion: 85 Resp: 17985

Ion Ratio Lower Upper

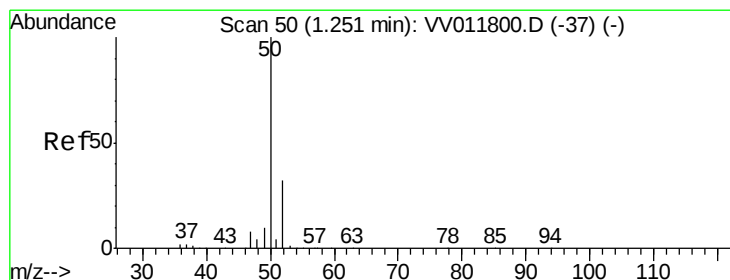
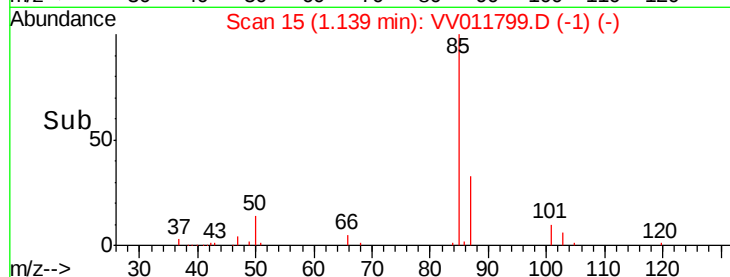
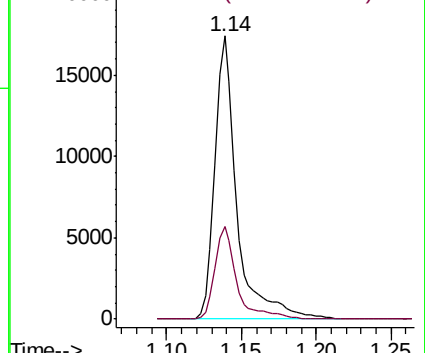
85 100

87 32.4 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 0.959 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV011799.D

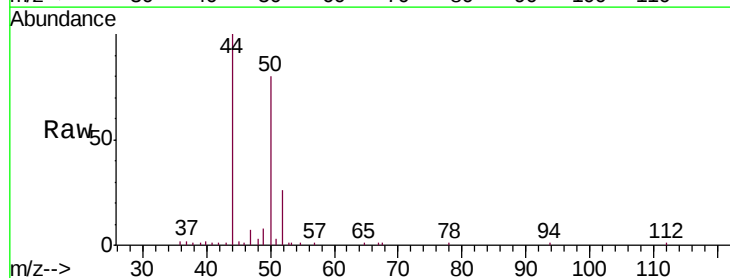
Acq: 02 Jul 2019 10:27

Tgt Ion: 50 Resp: 18077

Ion Ratio Lower Upper

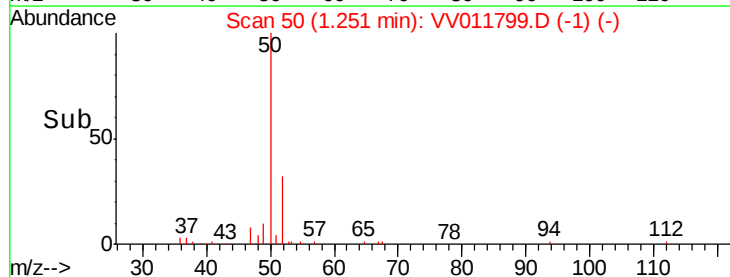
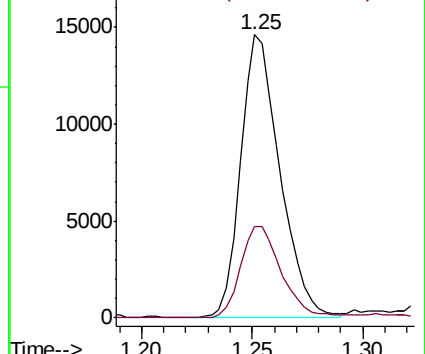
50 100

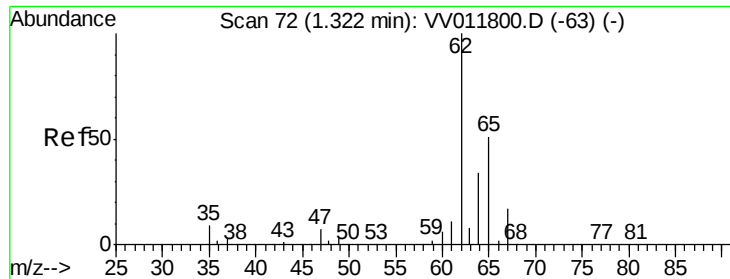
52 32.4 22.3 41.3



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 0.922 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV011799.D

Acq: 02 Jul 2019 10:27

Instrument :

MSVOA_V

ClientSampleId :

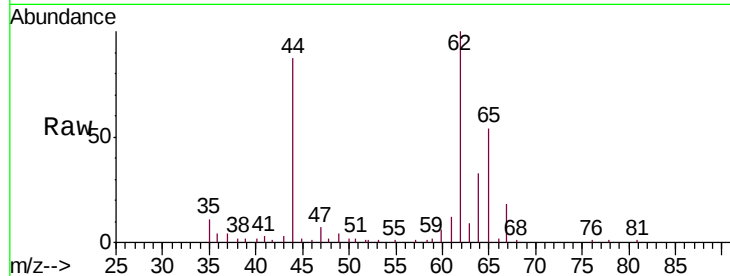
VSTD00135

Tgt Ion: 62 Resp: 16986

Ion Ratio Lower Upper

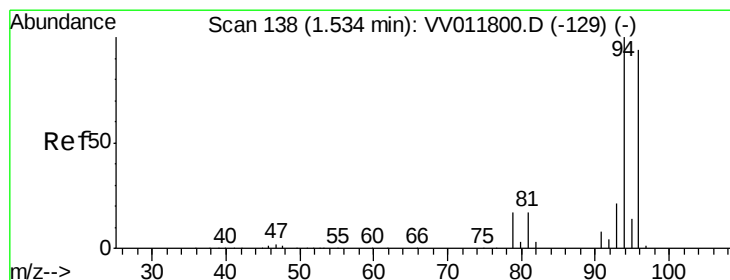
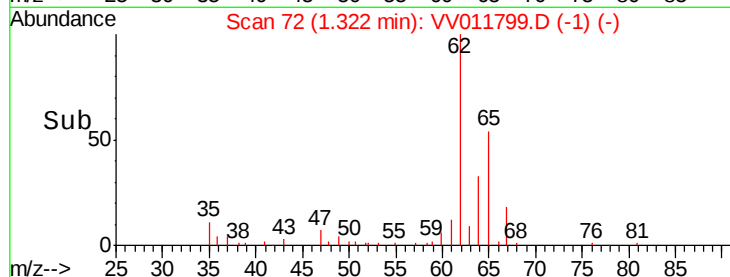
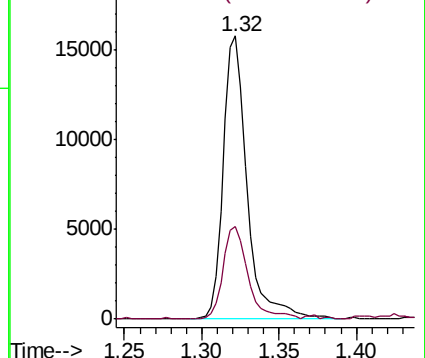
62 100

64 32.7 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 1.085 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV011799.D

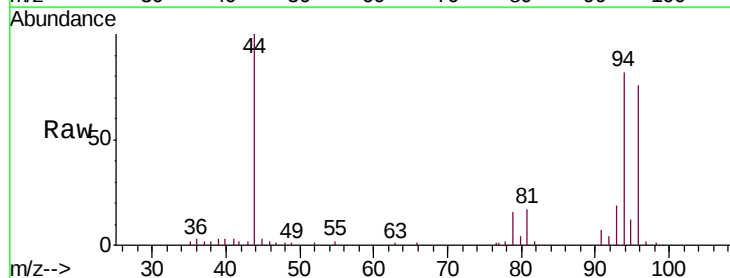
Acq: 02 Jul 2019 10:27

Tgt Ion: 94 Resp: 8820

Ion Ratio Lower Upper

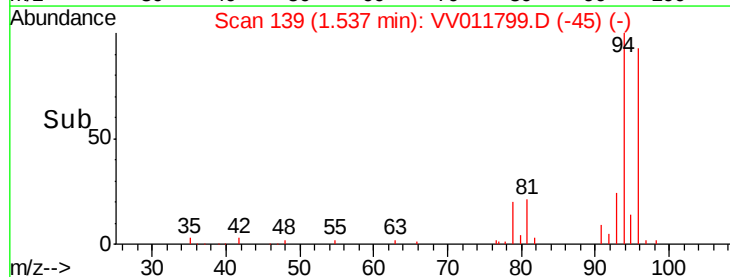
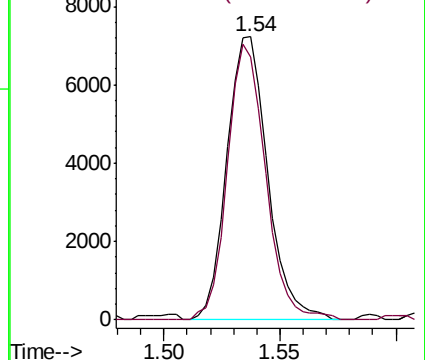
94 100

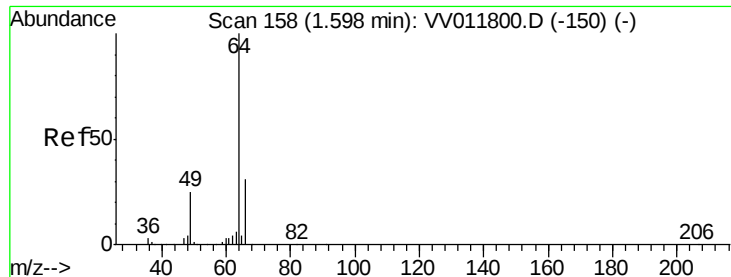
96 92.7 65.9 122.5



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

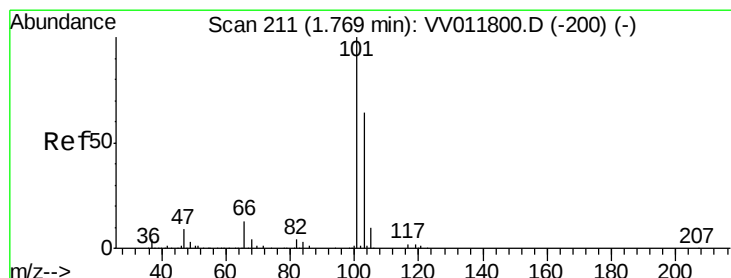
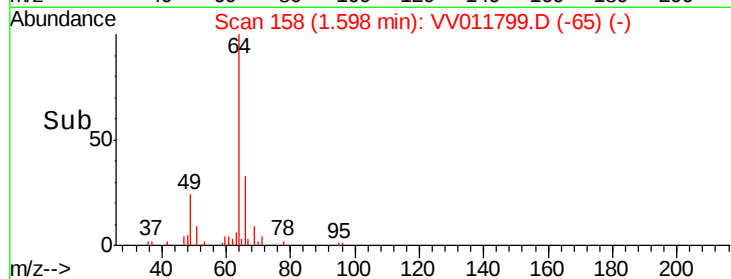
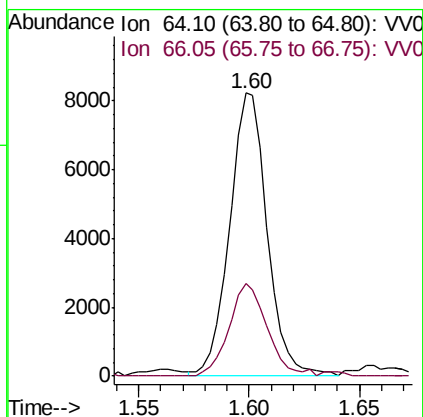
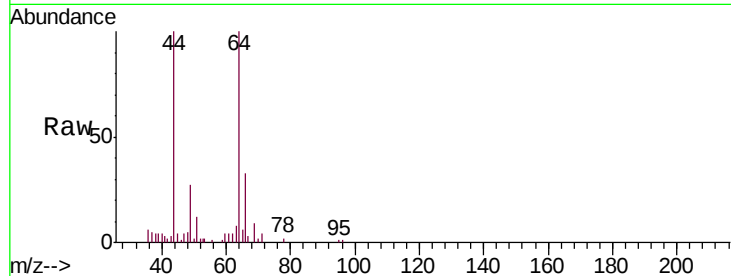




#8
Chloroethane
Concen: 1.036 ug/L
RT: 1.60 min Scan# 158
Delta R.T. 0.00 min
Lab File: VV011799.D
Acq: 02 Jul 2019 10:27

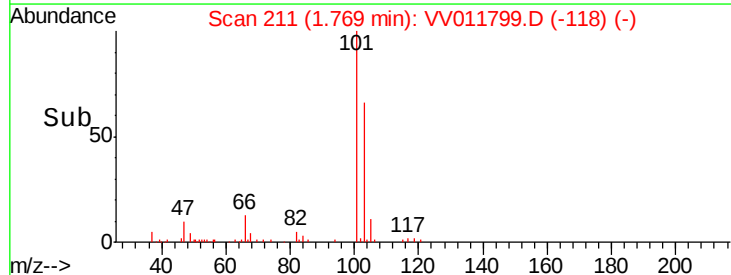
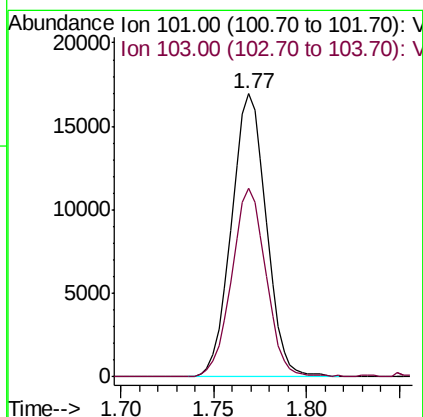
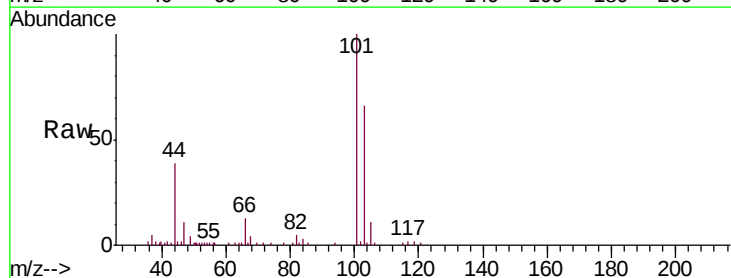
Instrument :
MSVOA_V
ClientSampleId :
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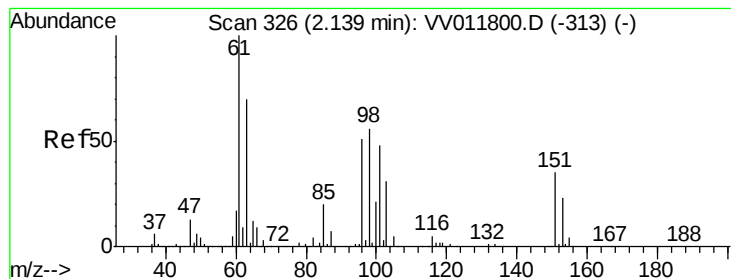
Tgt Ion: 64 Resp: 9734
Ion Ratio Lower Upper
64 100
66 32.7 21.8 40.6



#9
Trichlorofluoromethane
Concen: 1.047 ug/L
RT: 1.77 min Scan# 211
Delta R.T. 0.00 min
Lab File: VV011799.D
Acq: 02 Jul 2019 10:27

Tgt Ion: 101 Resp: 22160
Ion Ratio Lower Upper
101 100
103 65.5 52.0 78.0





#10

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

Concen: 1.045 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV011799.D

Acq: 02 Jul 2019 10:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD00135

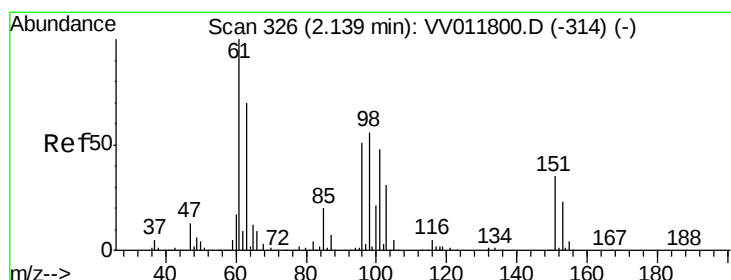
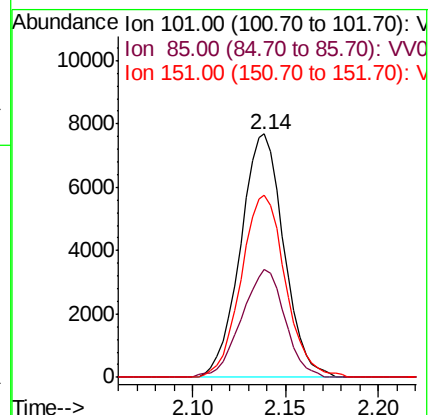
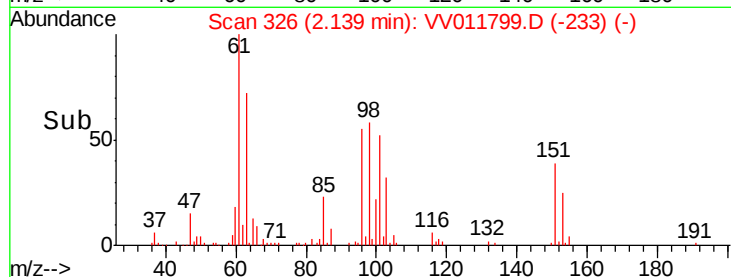
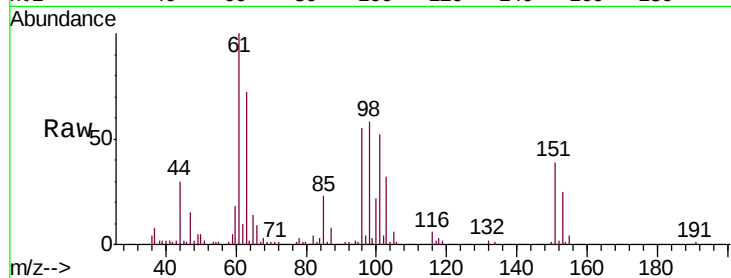
Tgt Ion:101 Resp: 12497

Ion Ratio Lower Upper

101 100

85 44.3 34.8 52.2

151 76.5 58.2 87.4



#12

1,1-Dichloroethene

Concen: 0.951 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV011799.D

Acq: 02 Jul 2019 10:27

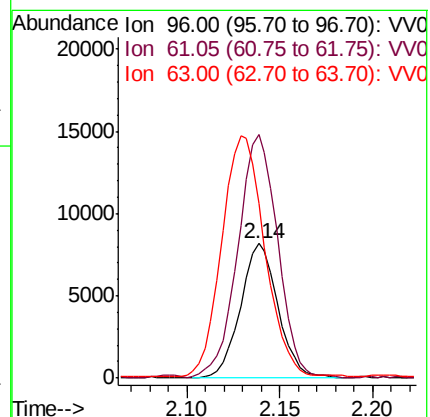
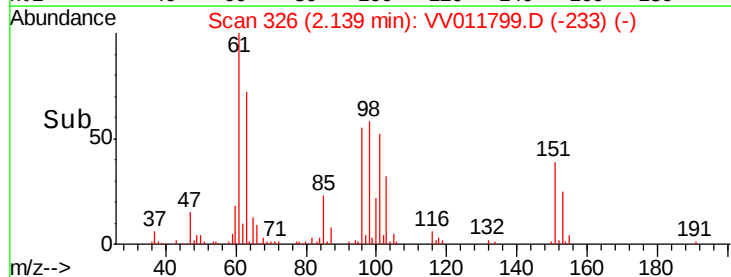
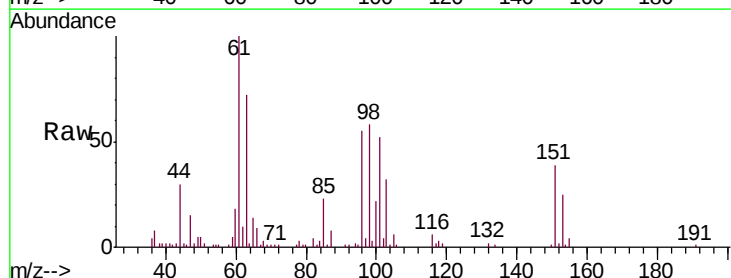
Tgt Ion: 96 Resp: 11489

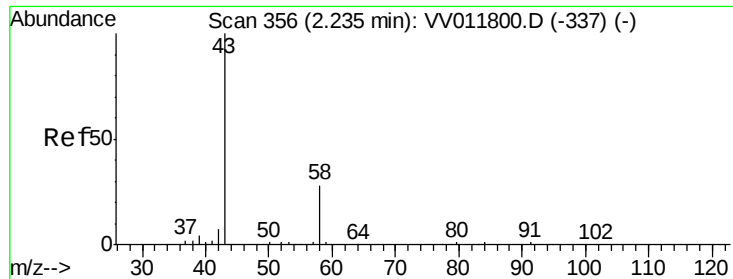
Ion Ratio Lower Upper

96 100

61 180.7 137.1 254.5

63 129.5 96.5 179.1





#13

Acetone

Concen: 7.961 ug/L

RT: 2.23 min Scan# 354

Delta R.T. -0.01 min

Lab File: VV011799.D

Acq: 02 Jul 2019 10:27

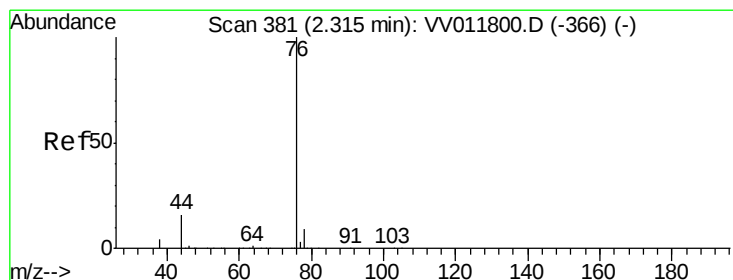
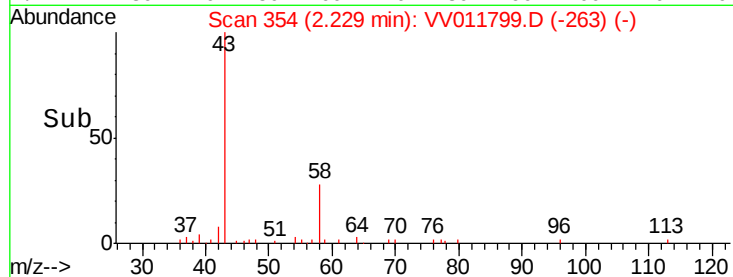
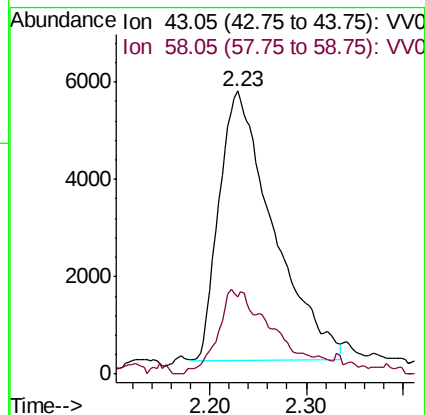
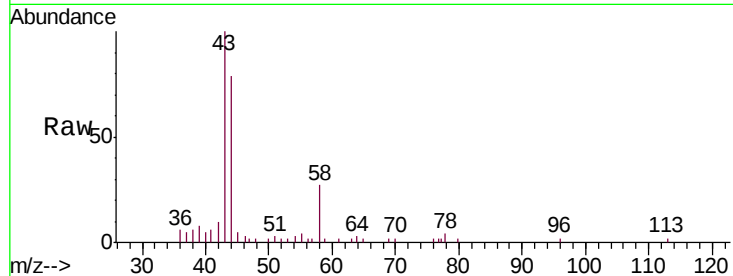
Instrument :
MSVOA_V
ClientSampleId :
VSTD00135

Tgt Ion: 43 Resp: 21412

Ion Ratio Lower Upper

43 100

58 11.7 0.0 58.0



#14

Carbon disulfide

Concen: 0.863 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV011799.D

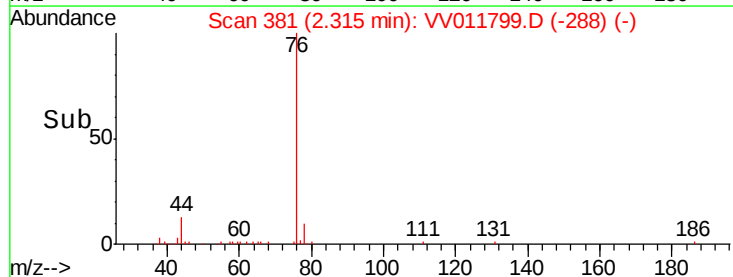
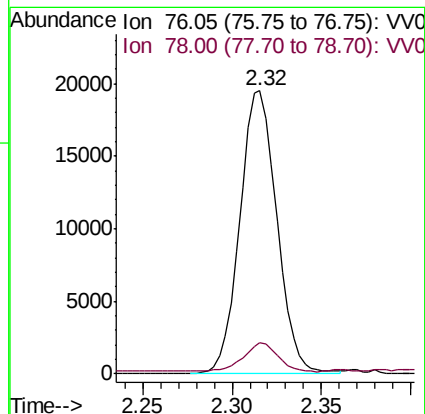
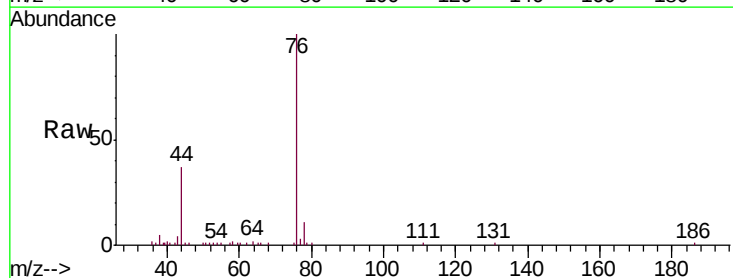
Acq: 02 Jul 2019 10:27

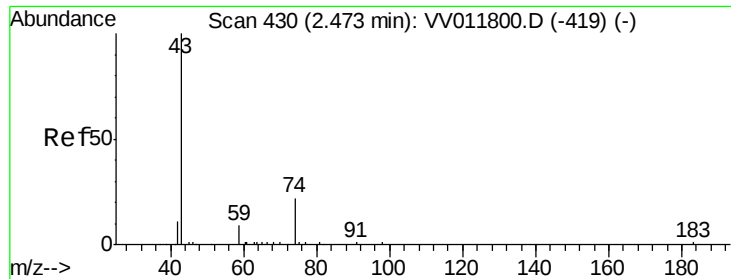
Tgt Ion: 76 Resp: 28269

Ion Ratio Lower Upper

76 100

78 10.8 7.4 11.0





#15

Methyl Acetate

Concen: 0.741 ug/L

RT: 2.47 min Scan# 429

Delta R.T. -0.00 min

Lab File: VV011799.D

Acq: 02 Jul 2019 10:27

Instrument :

MSVOA_V

ClientSampleId :

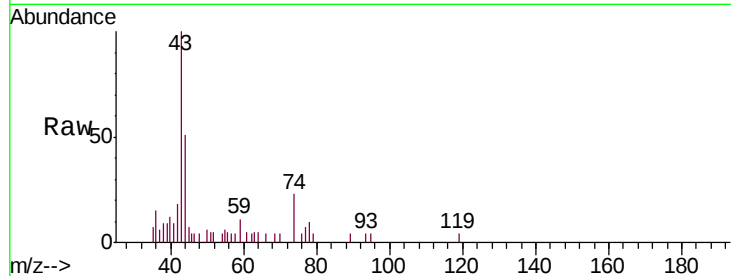
VSTD00135

Tgt Ion: 43 Resp: 5163

Ion Ratio Lower Upper

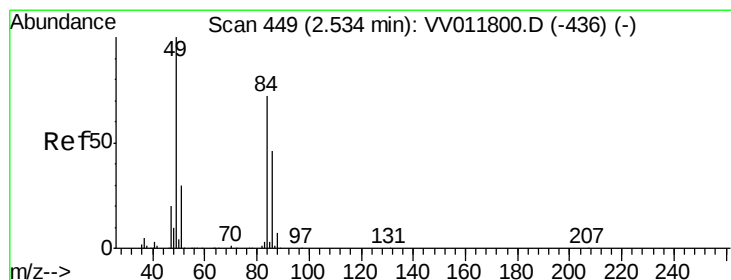
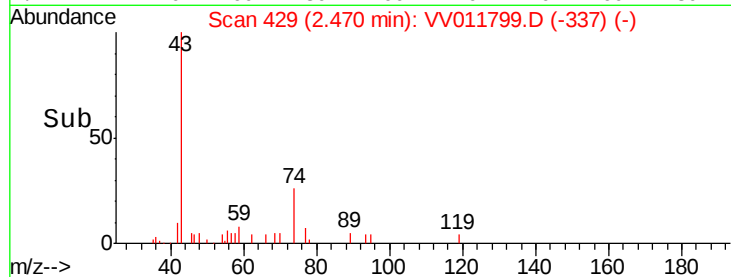
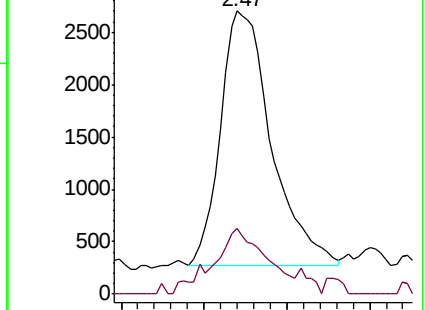
43 100

74 27.0 20.2 30.4



Abundance Ion 43.05 (42.75 to 43.75): VV011800.D (-419) (-)

Ion 74.05 (73.75 to 74.75): VV011800.D (-419) (-)



#16

Methylene chloride

Concen: 1.061 ug/L

RT: 2.53 min Scan# 448

Delta R.T. -0.00 min

Lab File: VV011799.D

Acq: 02 Jul 2019 10:27

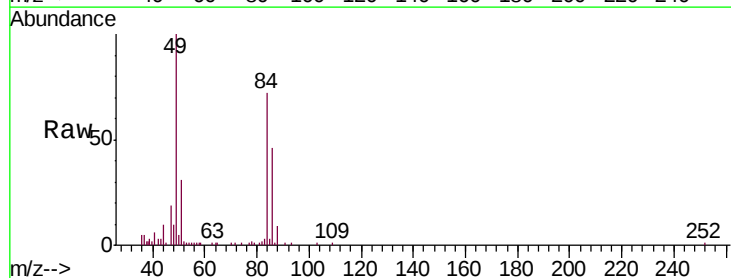
Tgt Ion: 84 Resp: 14535

Ion Ratio Lower Upper

84 100

86 64.0 44.5 82.7

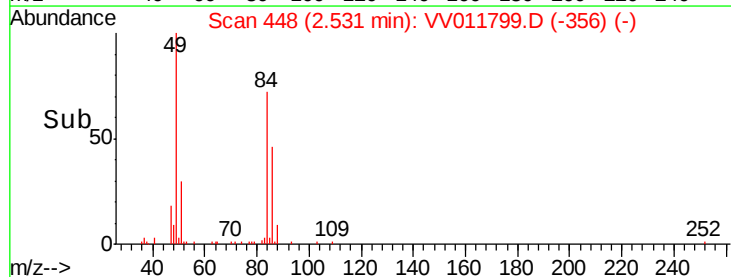
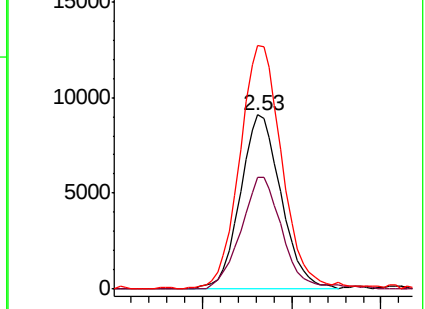
49 139.6 97.2 180.6

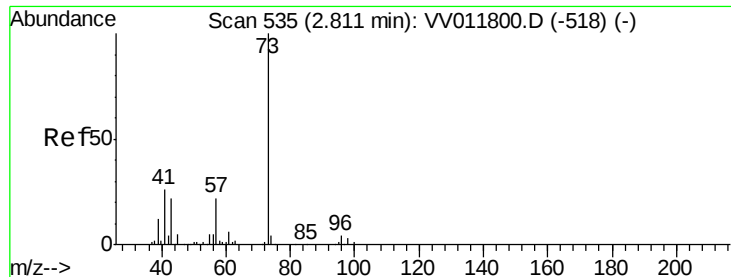


Abundance Ion 84.05 (83.75 to 84.75): VV011800.D (-436) (-)

Ion 86.00 (85.70 to 86.70): VV011800.D (-436) (-)

Ion 49.10 (48.80 to 49.80): VV011800.D (-436) (-)





#17

Methyl tert-butyl Ether

Concen: 0.813 ug/L

RT: 2.81 min Scan# 534

Delta R.T. -0.00 min

Lab File: VV011799.D

Acq: 02 Jul 2019 10:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD00135

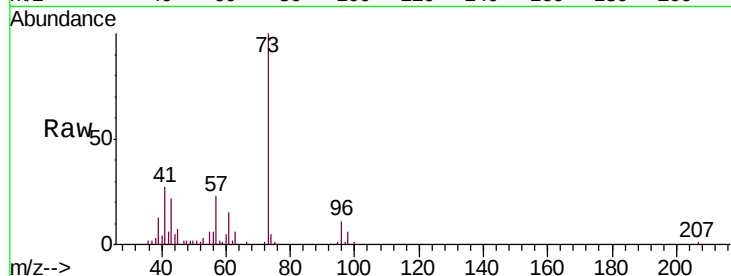
Tgt Ion: 73 Resp: 28700

Ion Ratio Lower Upper

73 100

43 24.3 17.6 26.4

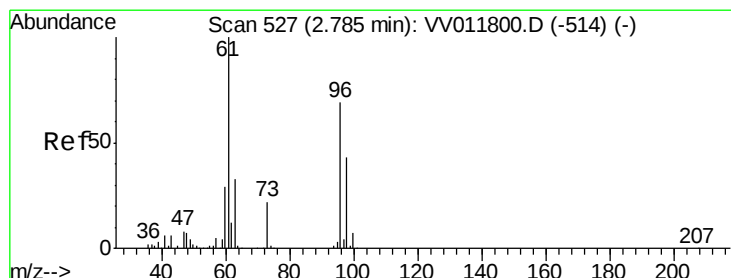
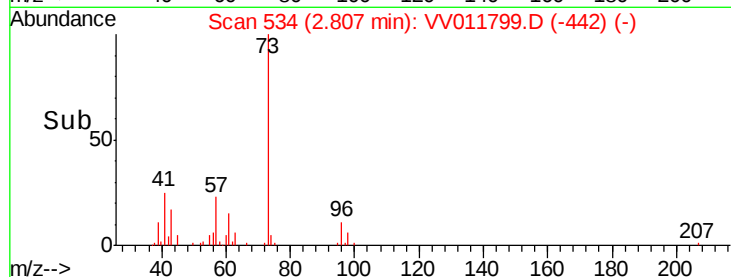
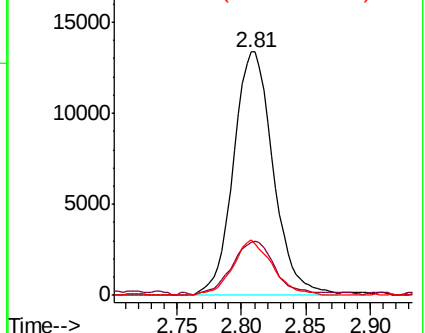
57 22.8 17.8 26.6



Abundance Ion 73.10 (72.80 to 73.80): VV011799.D (-442) (-)

Ion 43.05 (42.75 to 43.75): VV011799.D (-442) (-)

Ion 57.10 (56.80 to 57.80): VV011799.D (-442) (-)



#18

trans-1,2-Dichloroethene

Concen: 0.961 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV011799.D

Acq: 02 Jul 2019 10:27

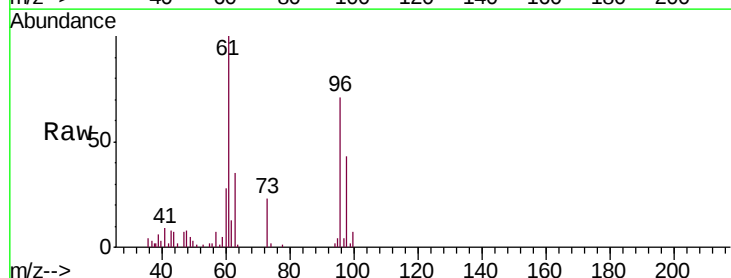
Tgt Ion: 96 Resp: 13081

Ion Ratio Lower Upper

96 100

61 140.4 102.3 189.9

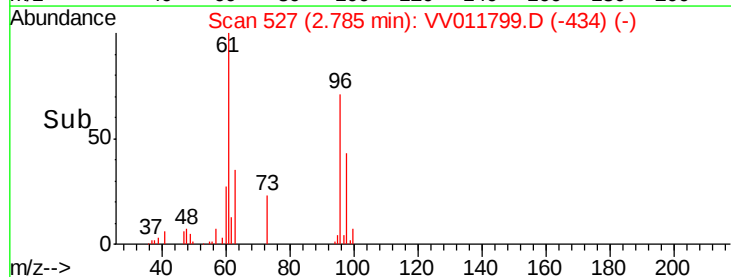
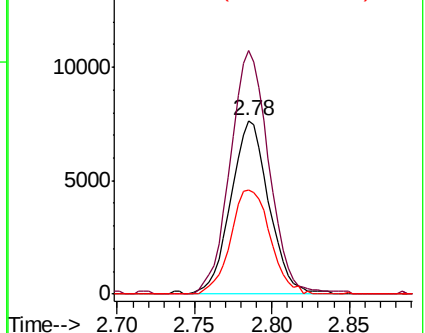
98 60.2 44.2 82.2

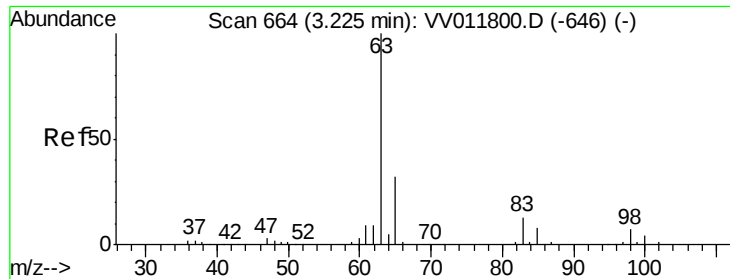


Abundance Ion 96.00 (95.70 to 96.70): VV011799.D (-434) (-)

Ion 61.05 (60.75 to 61.75): VV011799.D (-434) (-)

Ion 97.95 (97.65 to 98.65): VV011799.D (-434) (-)

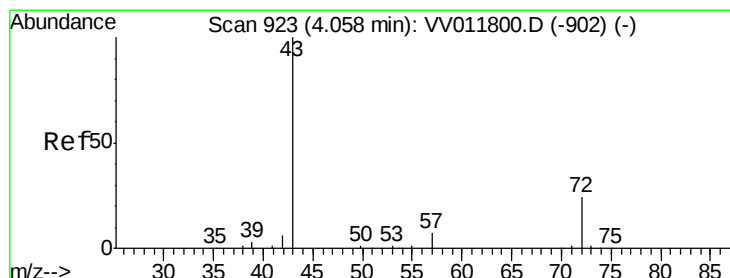
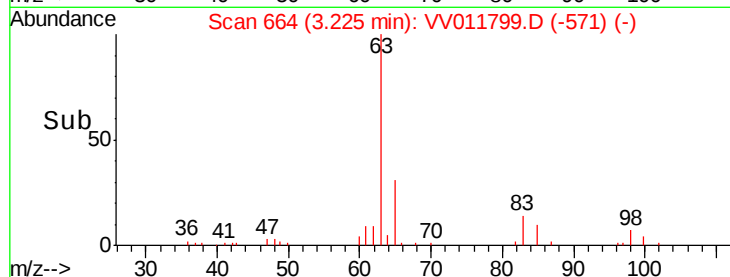
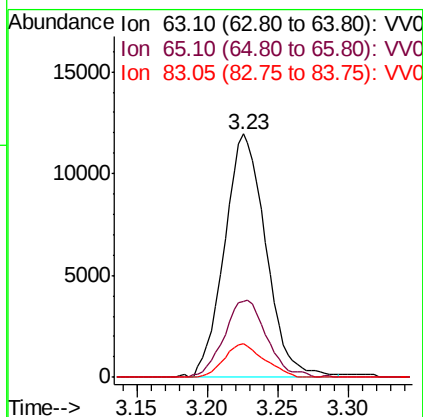
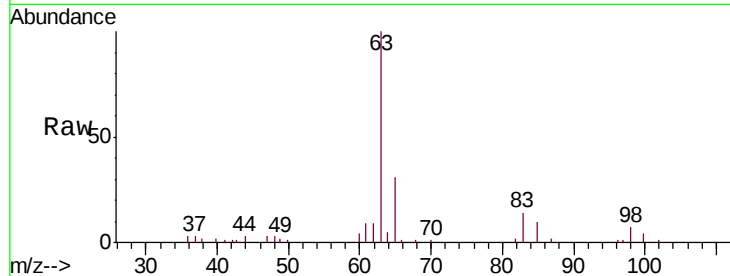




#19
 1,1-Dichloroethane
 Concen: 0.871 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: VV011799.D
 Acq: 02 Jul 2019 10:27

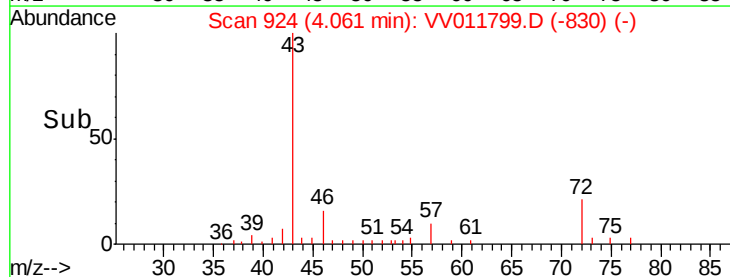
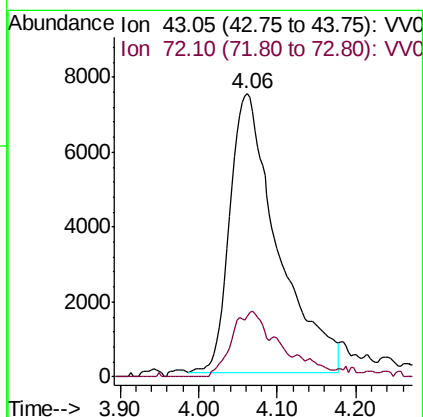
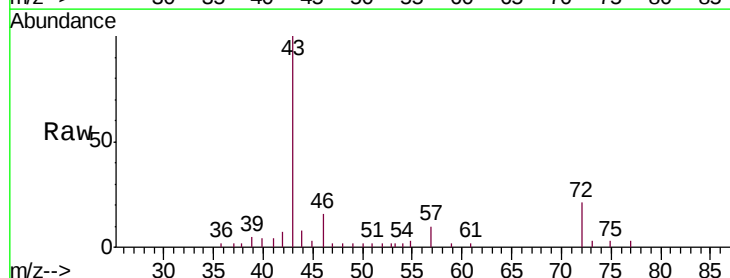
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00135

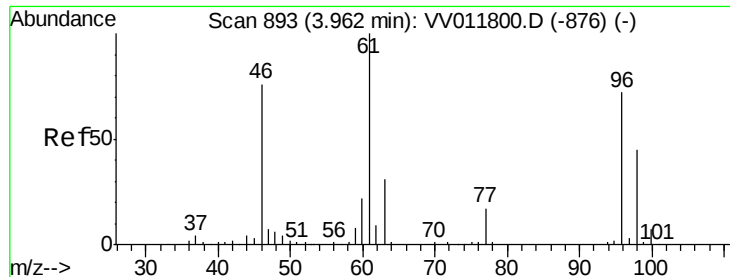
Tgt Ion: 63 Resp: 24511
 Ion Ratio Lower Upper
 63 100
 65 31.4 22.0 41.0
 83 13.8 8.9 16.5



#21
 2-Butanone
 Concen: 7.371 ug/L
 RT: 4.06 min Scan# 924
 Delta R.T. 0.00 min
 Lab File: VV011799.D
 Acq: 02 Jul 2019 10:27

Tgt Ion: 43 Resp: 31485
 Ion Ratio Lower Upper
 43 100
 72 16.0 12.1 36.3



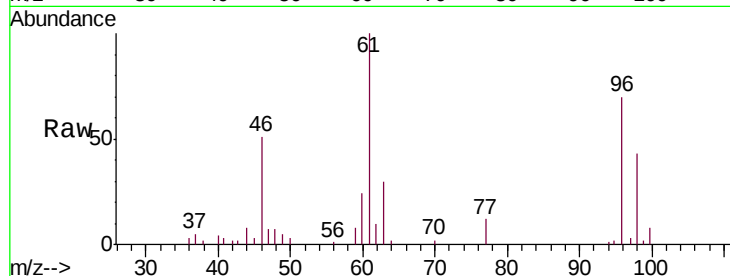


#22

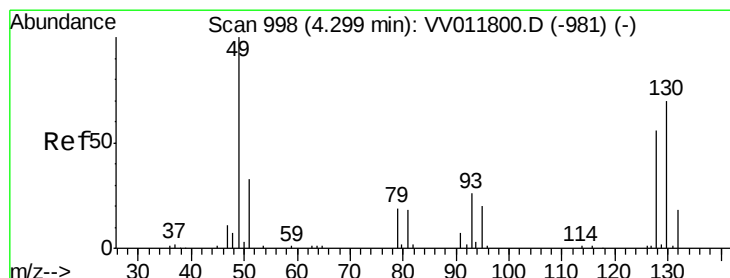
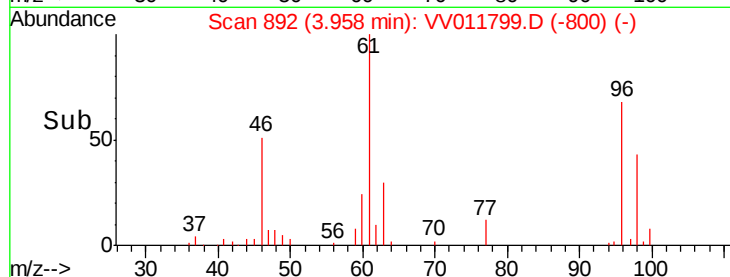
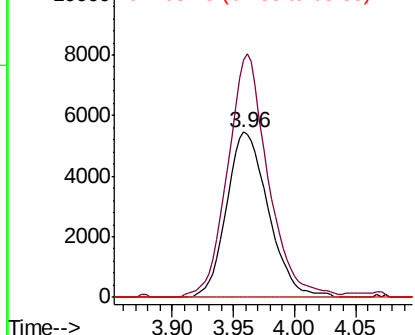
cis-1,2-Dichloroethene
Concen: 0.845 ug/L
RT: 3.96 min Scan# 892
Delta R.T. -0.00 min
Lab File: VV011799.D
Acq: 02 Jul 2019 10:27

Instrument :
MSVOA_V
ClientSampled :
VSTD00135

Tgt Ion: 96 Resp: 13004
Ion Ratio Lower Upper
96 100
61 143.7 97.1 180.3
68 0.0 0.0 0.0



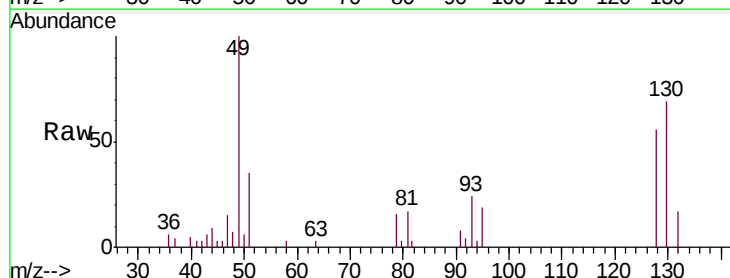
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



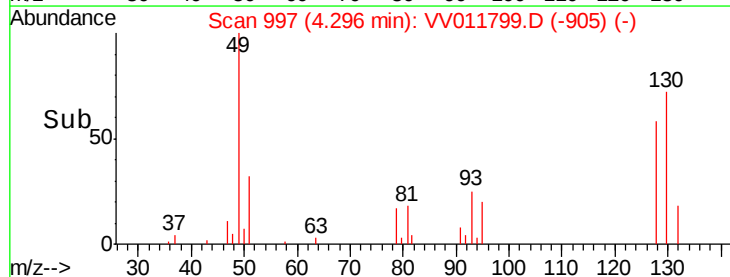
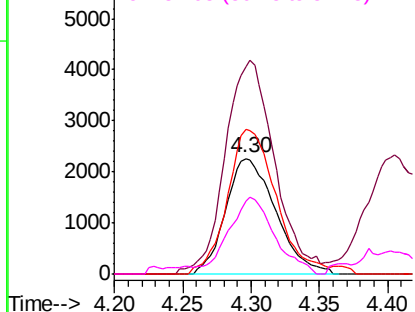
#23

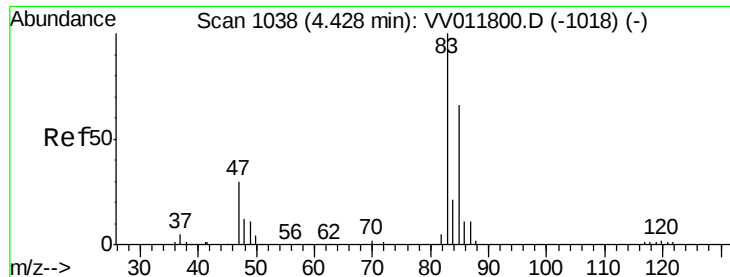
Bromochloromethane
Concen: 0.937 ug/L
RT: 4.30 min Scan# 997
Delta R.T. -0.00 min
Lab File: VV011799.D
Acq: 02 Jul 2019 10:27

Tgt Ion: 128 Resp: 5755
Ion Ratio Lower Upper
128 100
49 180.1 125.6 233.2
130 124.9 87.7 162.9
51 62.6 46.7 70.1



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

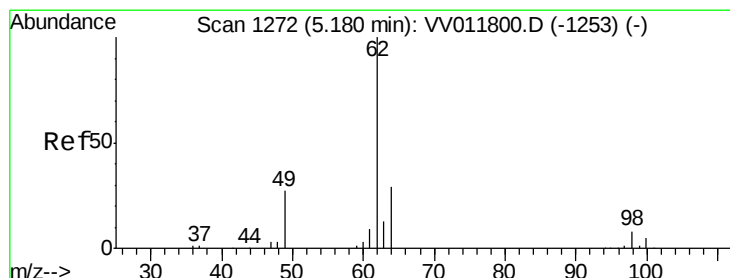
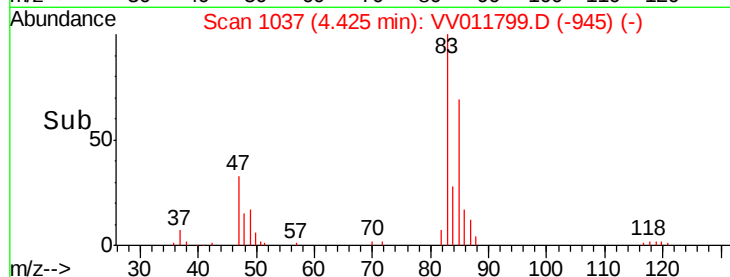
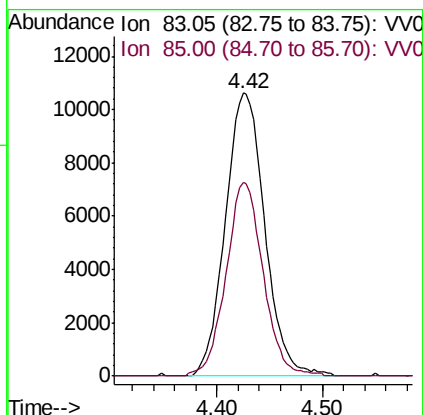
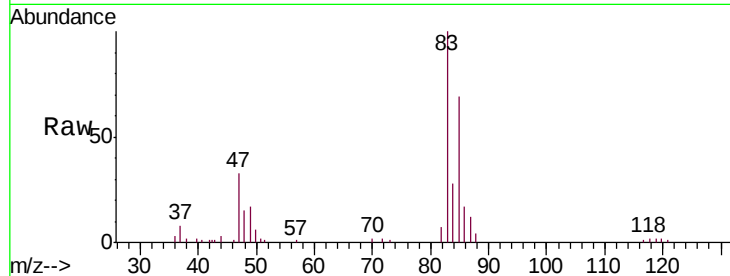




#25
Chloroform
Concen: 0.974 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV011799.D
Acq: 02 Jul 2019 10:27

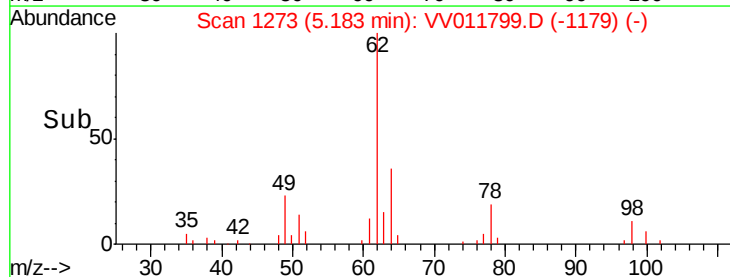
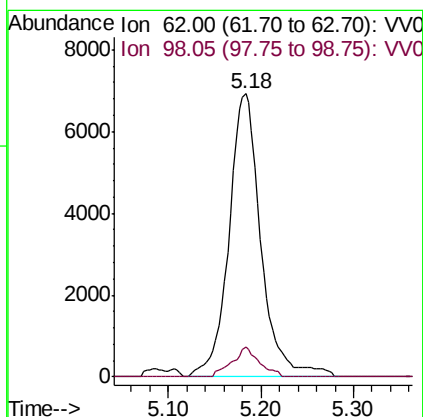
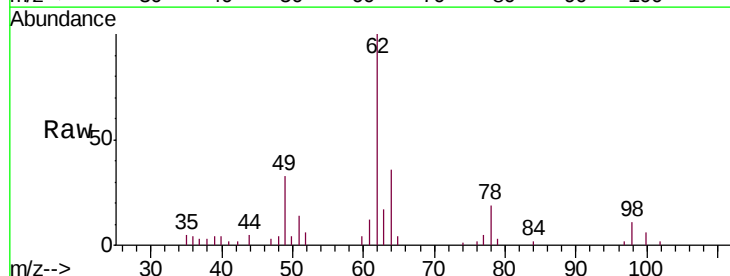
Instrument :
MSVOA_V
ClientSampleId :
VSTD00135

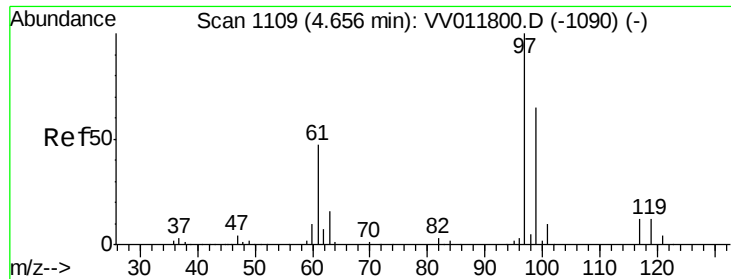
Tgt Ion: 83 Resp: 27580
Ion Ratio Lower Upper
83 100
85 68.7 45.9 85.3



#27
1,2-Dichloroethane
Concen: 0.842 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV011799.D
Acq: 02 Jul 2019 10:27

Tgt Ion: 62 Resp: 16587
Ion Ratio Lower Upper
62 100
98 10.6 6.6 9.8#

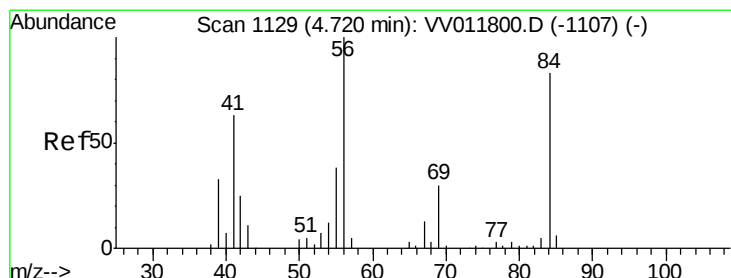
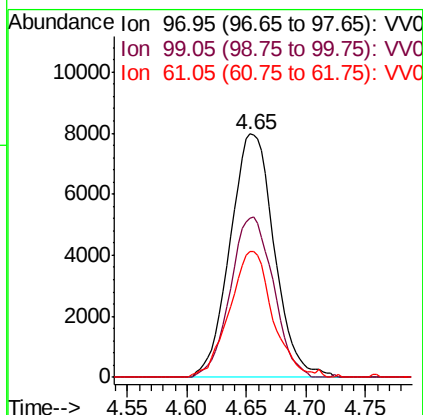
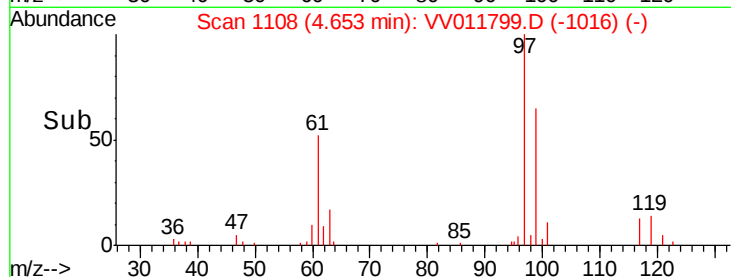
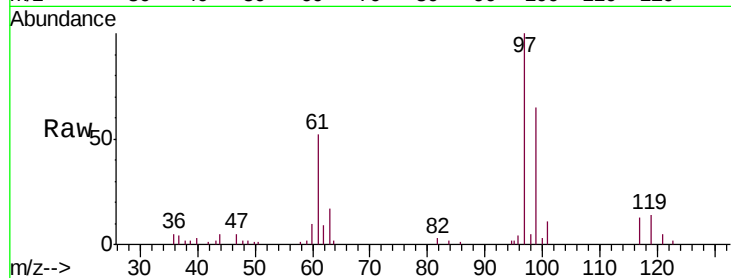




#29
 1,1,1-Trichloroethane
 Concen: 0.887 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. -0.00 min
 Lab File: VV011799.D
 Acq: 02 Jul 2019 10:27

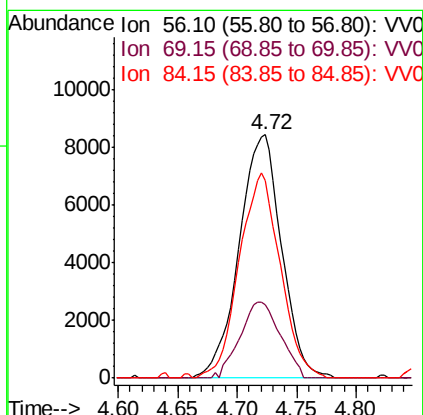
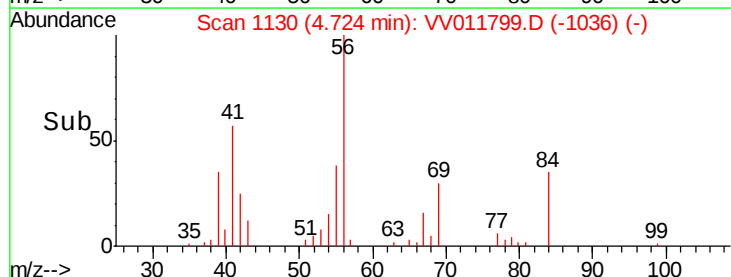
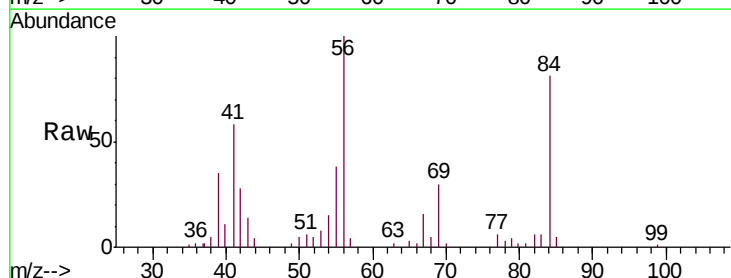
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00135

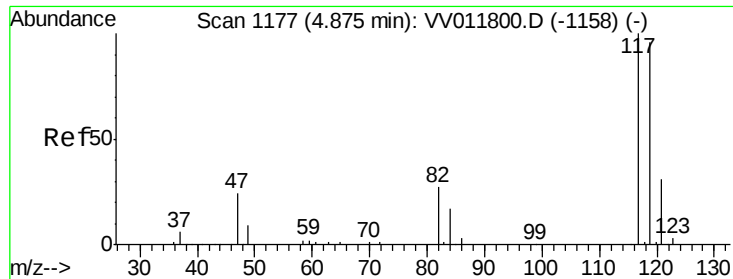
Tgt Ion: 97 Resp: 20523
 Ion Ratio Lower Upper
 97 100
 99 63.9 52.2 78.4
 61 50.7 38.5 57.7



#30
 Cyclohexane
 Concen: 0.858 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. 0.00 min
 Lab File: VV011799.D
 Acq: 02 Jul 2019 10:27

Tgt Ion: 56 Resp: 20885
 Ion Ratio Lower Upper
 56 100
 69 29.7 23.5 35.3
 84 81.3 67.6 101.4





#31

Carbon tetrachloride

Concen: 0.912 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. -0.01 min

Lab File: VV011799.D

Acq: 02 Jul 2019 10:27

Instrument :

MSVOA_V

ClientSampleId :

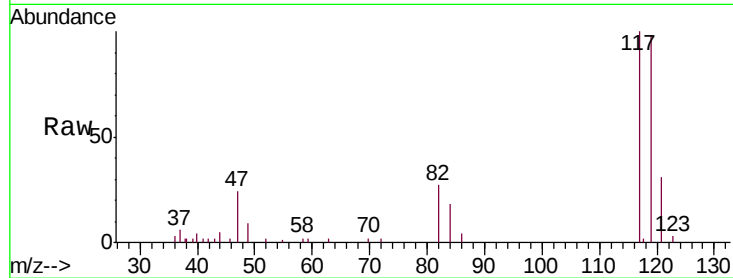
VSTD00135

Tgt Ion:117 Resp: 17336

Ion Ratio Lower Upper

117 100

119 94.4 77.0 115.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.87

8000

6000

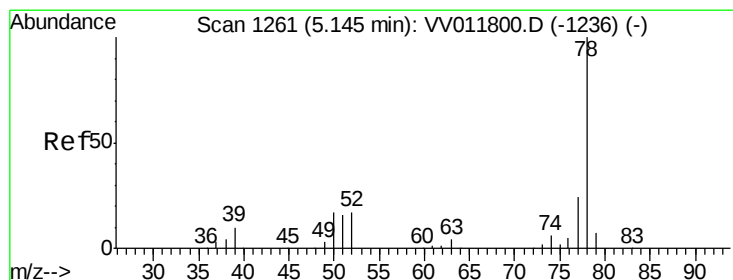
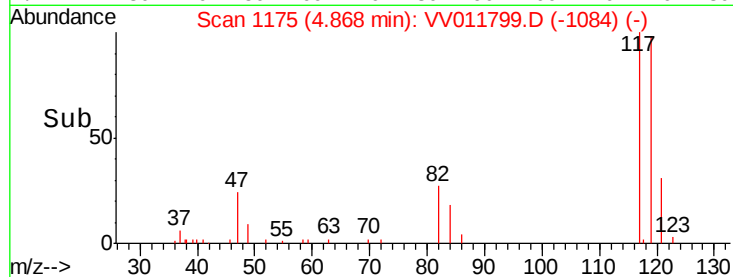
4000

2000

0

Time-->

4.80 4.85 4.90 4.95



#33

Benzene

Concen: 0.846 ug/L

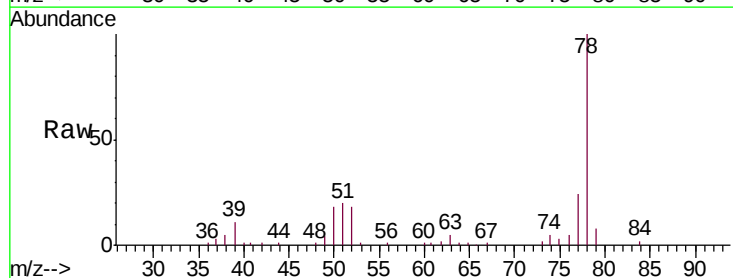
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VV011799.D

Acq: 02 Jul 2019 10:27

Tgt Ion: 78 Resp: 51289



Abundance Ion 78.10 (77.80 to 78.80): VV0

5.14

25000

20000

15000

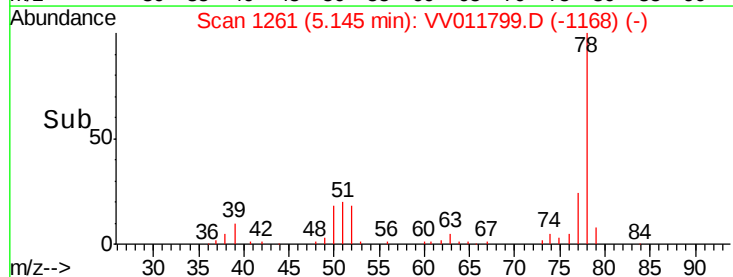
10000

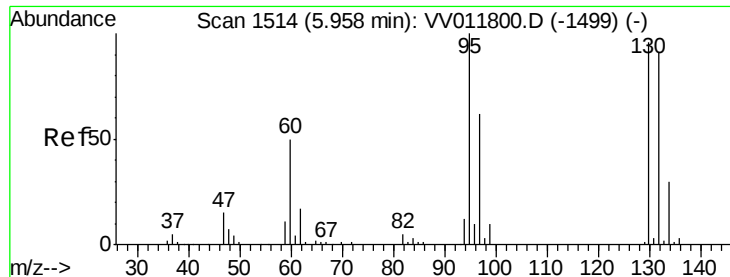
5000

0

Time-->

5.00 5.10 5.20





#34

Trichloroethene

Concen: 0.887 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV011799.D

Acq: 02 Jul 2019 10:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD00135

Tgt Ion: 95 Resp: 13716

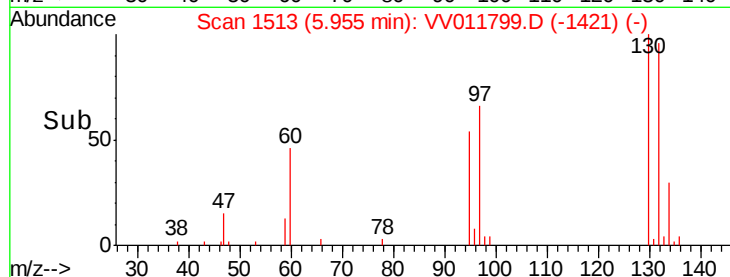
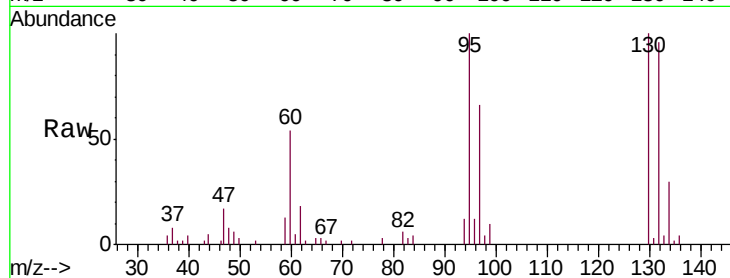
Ion Ratio Lower Upper

95 100

97 65.9 43.7 81.1

132 96.9 63.7 118.3

130 100.5 67.1 124.7

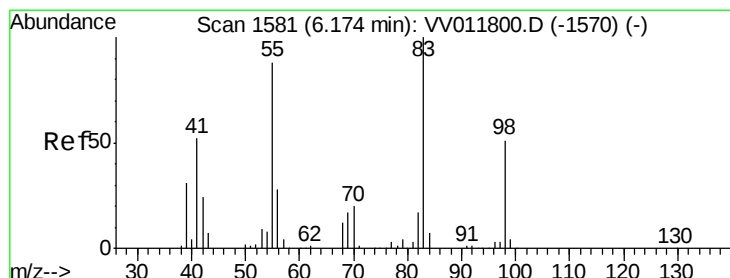
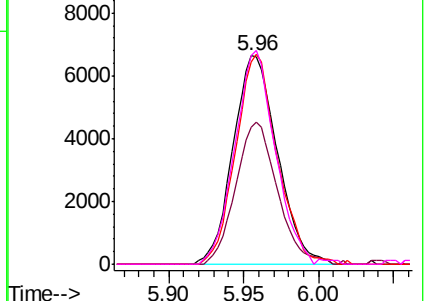


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.910 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV011799.D

Acq: 02 Jul 2019 10:27

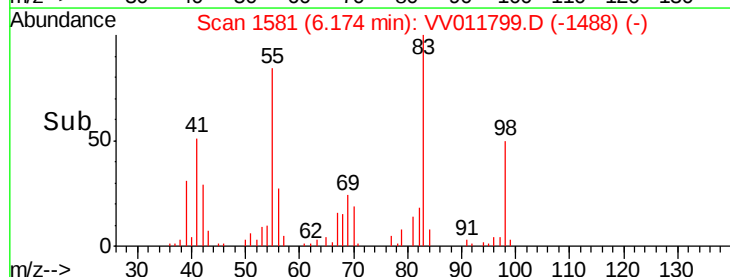
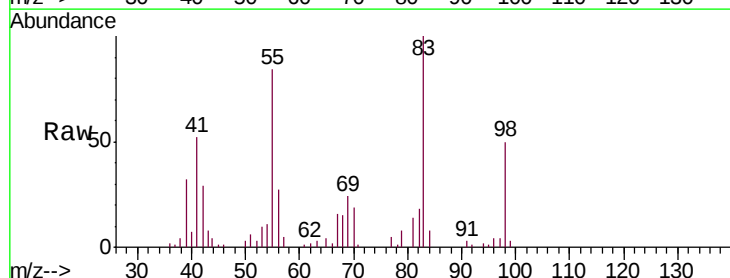
Tgt Ion: 83 Resp: 20799

Ion Ratio Lower Upper

83 100

55 87.1 67.8 101.6

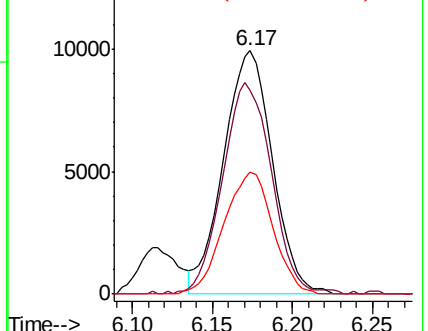
98 49.9 39.8 59.8

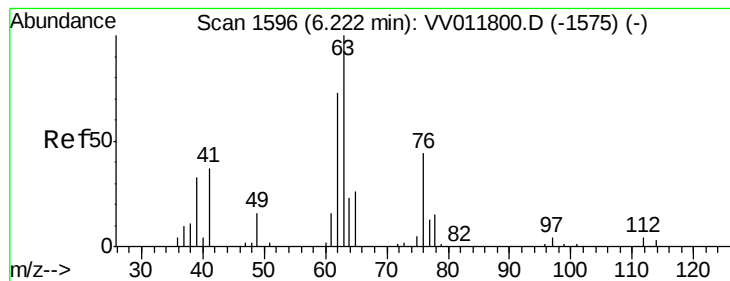


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 0.836 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. -0.00 min

Lab File: VV011799.D

Acq: 02 Jul 2019 10:27

Instrument :

MSVOA_V

ClientSampleId :

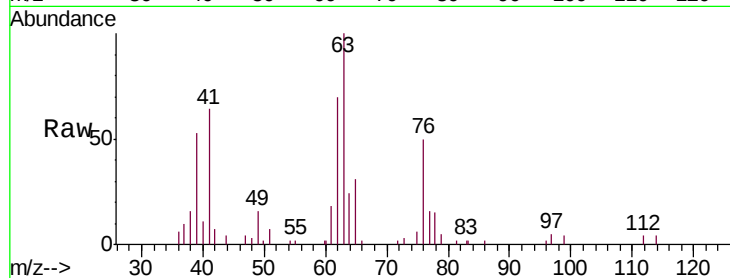
VSTD00135

Tgt Ion: 63 Resp: 13513

Ion Ratio Lower Upper

63 100

112 2.4 3.2 4.8#



Abundance Ion 63.10 (62.80 to 63.80): VV011800.D (-1575) (-)

Ion 112.10 (111.80 to 112.80): VV011800.D (-1575) (-)

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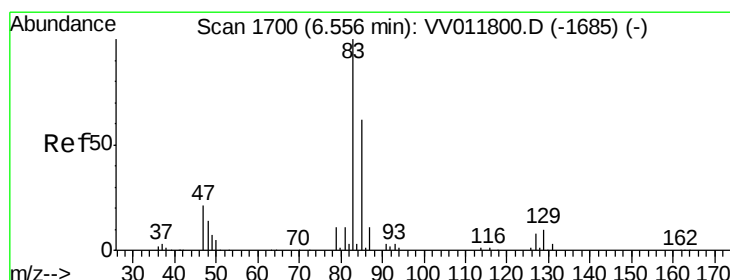
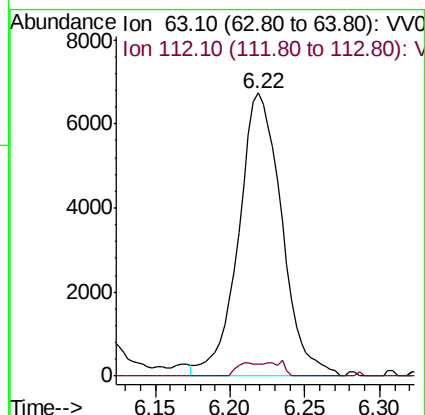
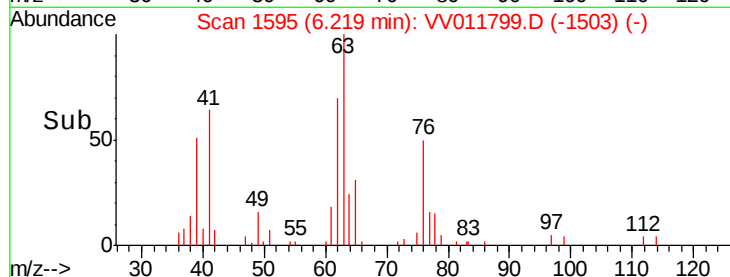
6.22

6.22

6.22

6.22

6.22



#38

Bromodichloromethane

Concen: 0.795 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VV011799.D

Acq: 02 Jul 2019 10:27

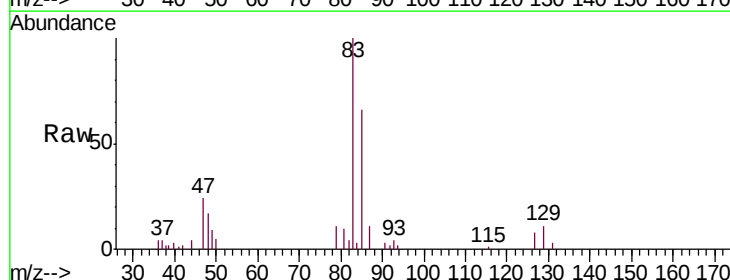
Tgt Ion: 83 Resp: 14528

Ion Ratio Lower Upper

83 100

85 65.6 43.1 80.1

127 8.0 6.2 9.4



Abundance Ion 82.95 (82.65 to 83.65): VV011800.D (-1685) (-)

Ion 85.00 (84.70 to 85.70): VV011800.D (-1685) (-)

Ion 126.90 (126.60 to 127.60): VV011800.D (-1685) (-)

6.55

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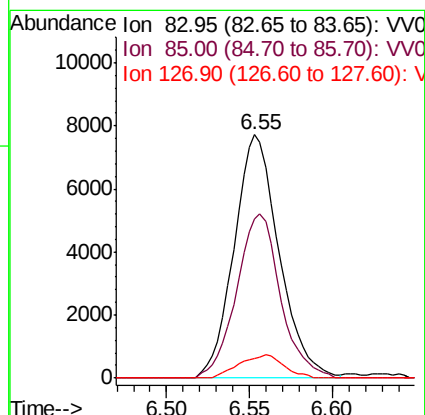
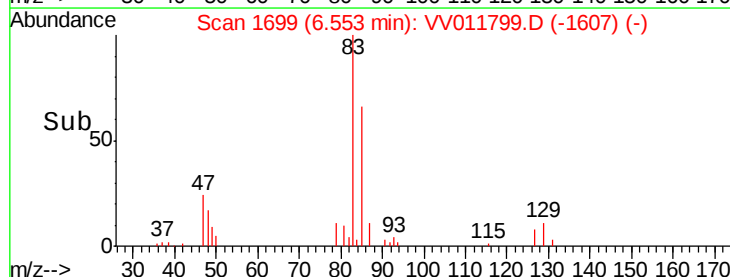
6.55

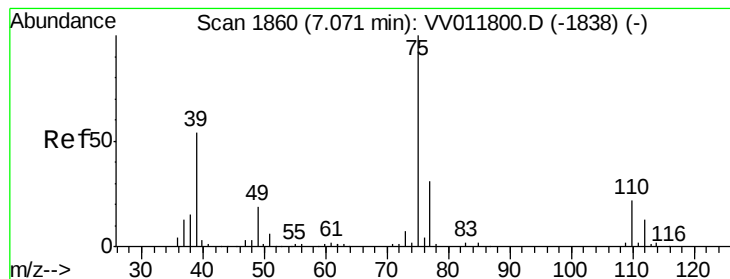
6.55

6.55

6.55

6.55



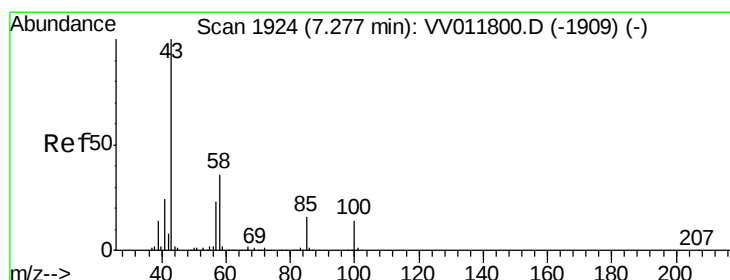
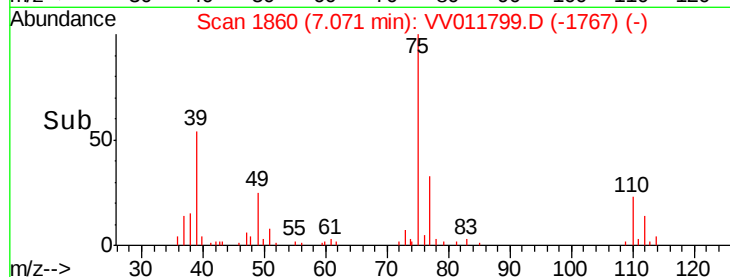
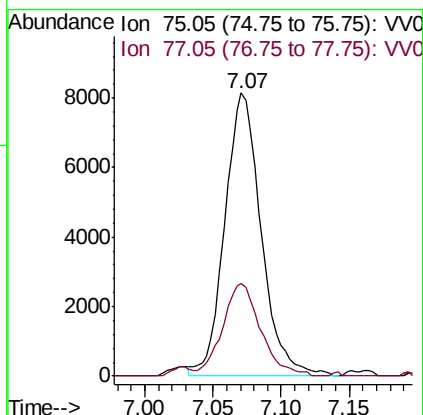
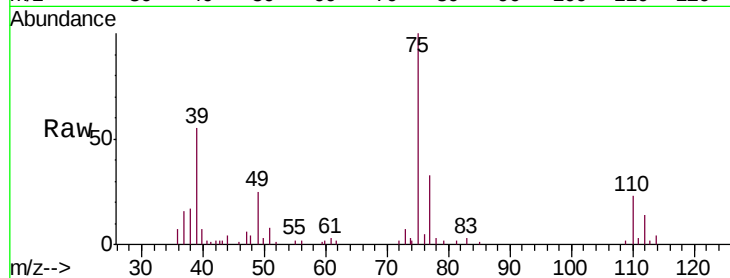


#39

cis-1,3-Dichloropropene
Concen: 0.739 ug/L
RT: 7.07 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VV011799.D
Acq: 02 Jul 2019 10:27

Instrument :
MSVOA_V
ClientSampleId :
VSTD00135

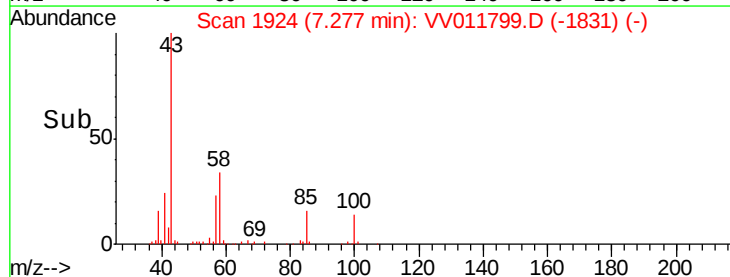
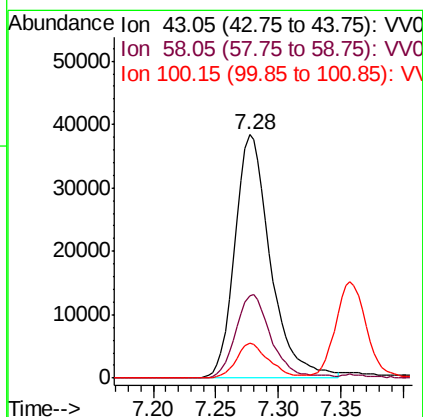
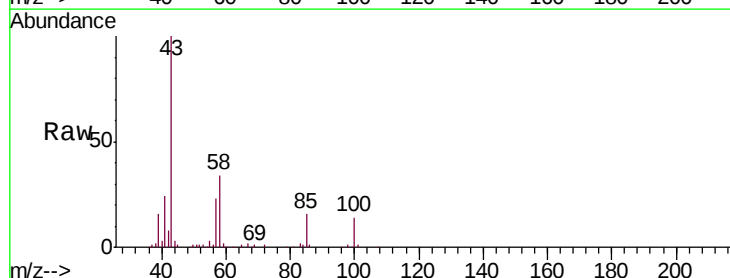
Tgt Ion: 75 Resp: 15123
Ion Ratio Lower Upper
75 100
77 32.6 22.0 40.8

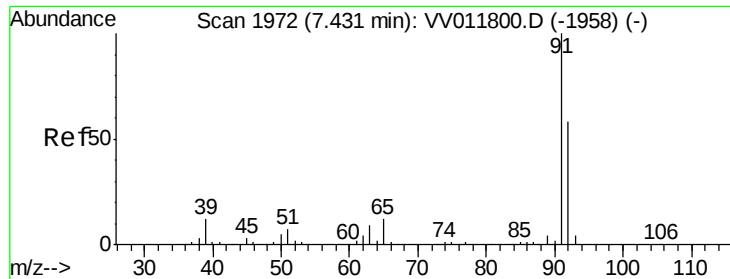


#40

4-Methyl-2-pentanone
Concen: 6.753 ug/L
RT: 7.28 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VV011799.D
Acq: 02 Jul 2019 10:27

Tgt Ion: 43 Resp: 75612
Ion Ratio Lower Upper
43 100
58 34.2 28.7 43.1
100 13.1 10.7 16.1





#42

Toluene

Concen: 0.834 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV011799.D

Acq: 02 Jul 2019 10:27

Instrument :

MSVOA_V

ClientSampleId :

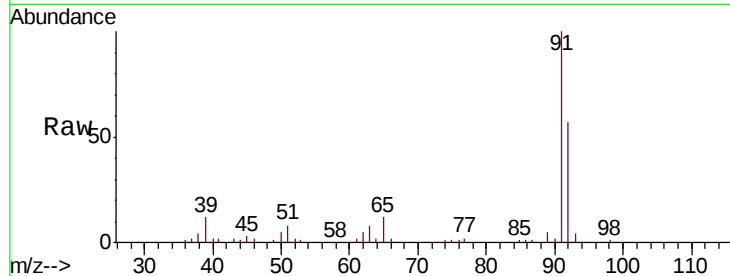
VSTD00135

Tgt Ion: 91 Resp: 52816

Ion Ratio Lower Upper

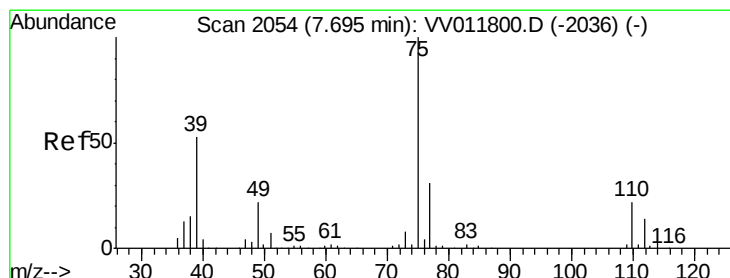
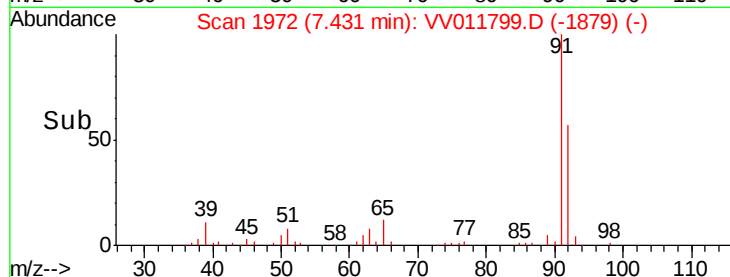
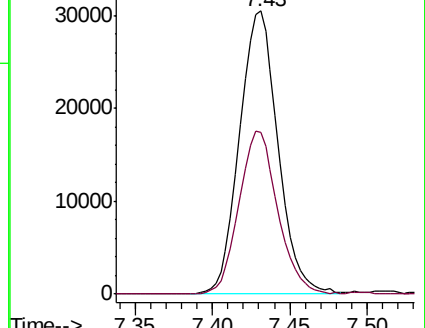
91 100

92 57.0 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VV011800.D (-1958) (-)

Ion 92.15 (91.85 to 92.85): VV011800.D (-1958) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.774 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV011799.D

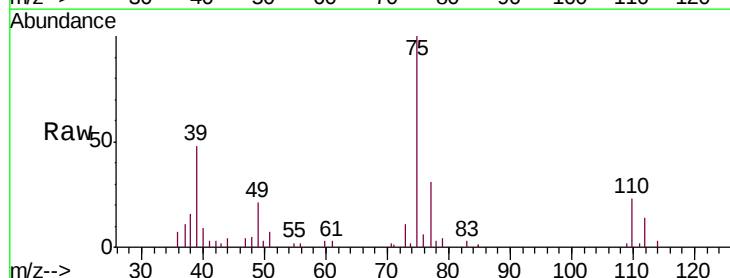
Acq: 02 Jul 2019 10:27

Tgt Ion: 75 Resp: 12117

Ion Ratio Lower Upper

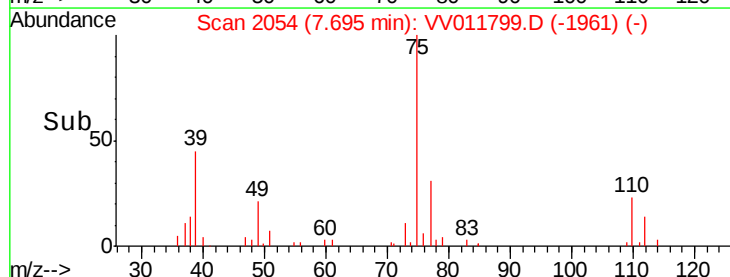
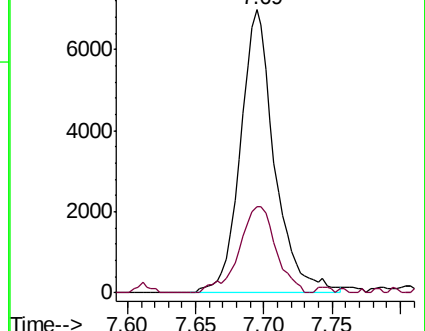
75 100

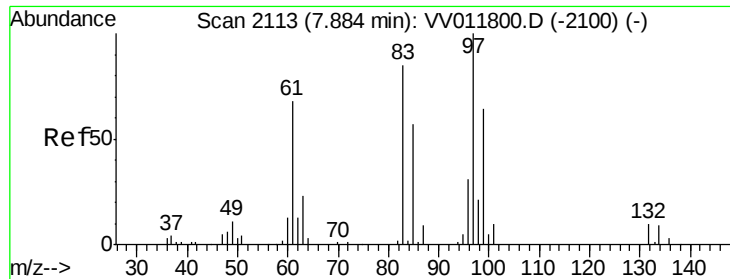
77 30.7 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VV011800.D (-2036) (-)

Ion 77.05 (76.75 to 77.75): VV011800.D (-2036) (-)

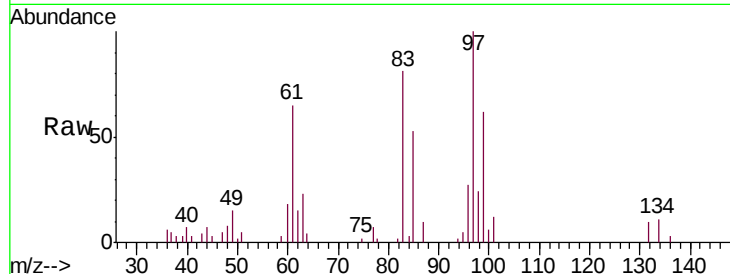




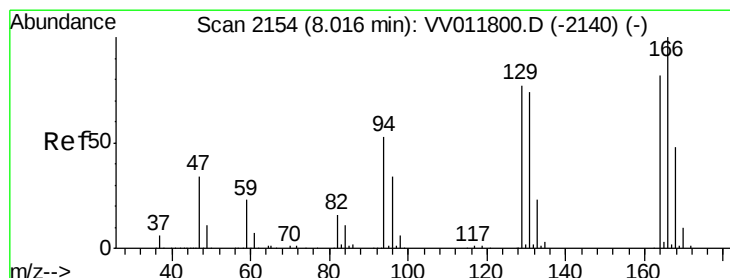
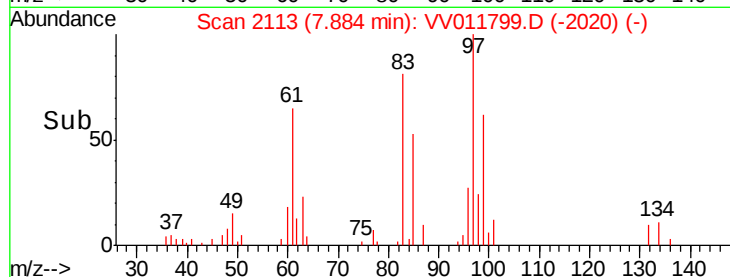
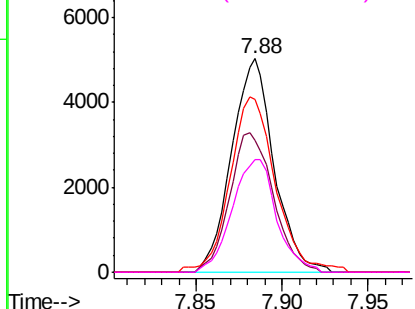
#45
 1,1,2-Trichloroethane
 Concen: 0.808 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV011799.D
 Acq: 02 Jul 2019 10:27

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00135

Tgt Ion:	97	Resp:	8604
Ion	Ratio	Lower	Upper
97	100		
99	61.7	44.9	83.5
83	80.7	59.6	110.8
85	52.6	40.1	74.5

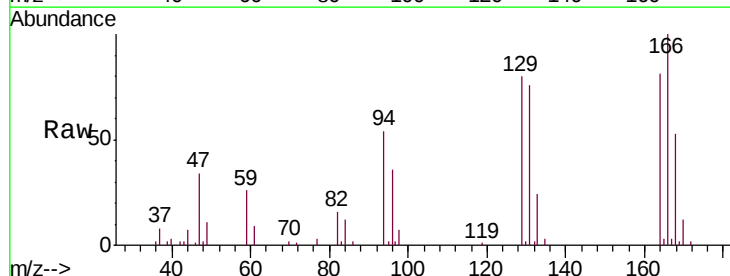


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

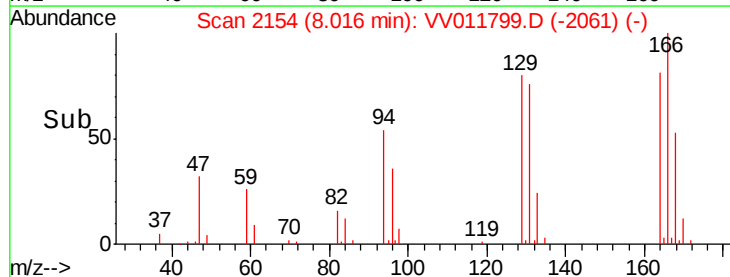
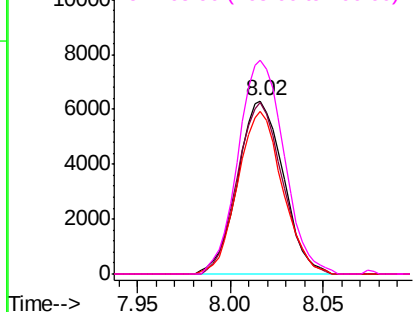


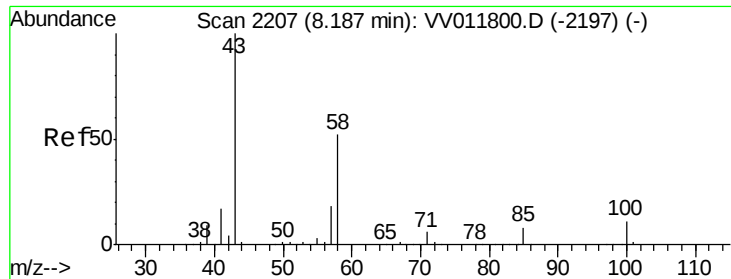
#47
 Tetrachloroethene
 Concen: 0.945 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV011799.D
 Acq: 02 Jul 2019 10:27

Tgt Ion:	164	Resp:	10757
Ion	Ratio	Lower	Upper
164	100		
129	99.0	65.7	121.9
131	93.9	63.2	117.4
166	123.1	85.8	159.3



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

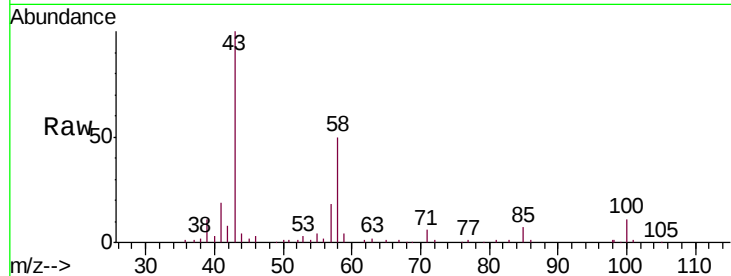




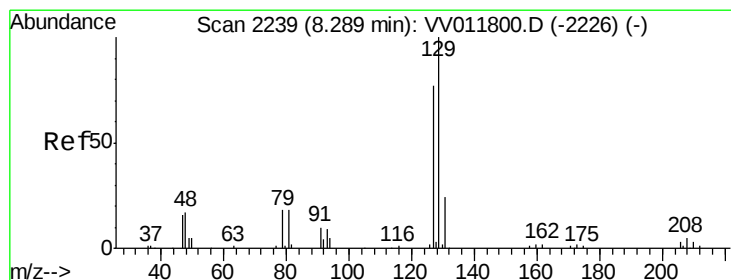
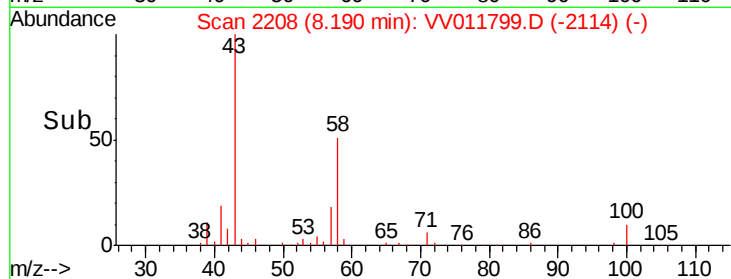
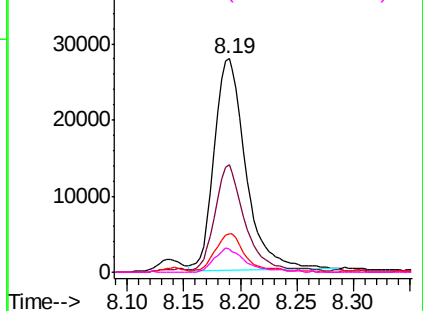
#48
2-Hexanone
Concen: 6.846 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV011799.D
Acq: 02 Jul 2019 10:27

Instrument :
MSVOA_V
ClientSampleId :
VSTD00135

Tgt Ion:	43	Resp:	53895
Ion	Ratio	Lower	Upper
43	100		
58	47.8	40.9	61.3
57	17.5	14.3	21.5
100	11.3	8.7	13.1

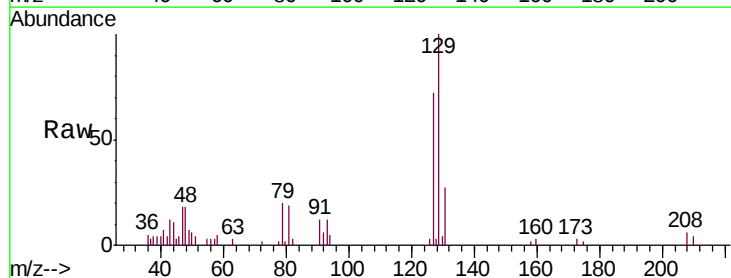


Abundance Ion 43.05 (42.75 to 43.75): VV011799.D (-2197) (-)
Ion 58.05 (57.75 to 58.75): VV011799.D (-2197) (-)
Ion 57.20 (56.90 to 57.90): VV011799.D (-2197) (-)
Ion 100.15 (99.85 to 100.85): VV011799.D (-2197) (-)

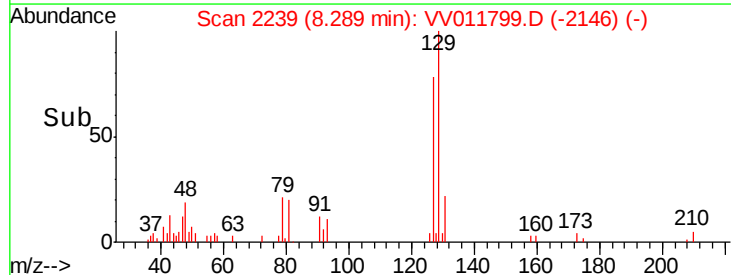
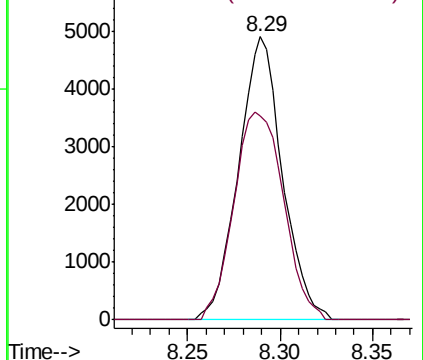


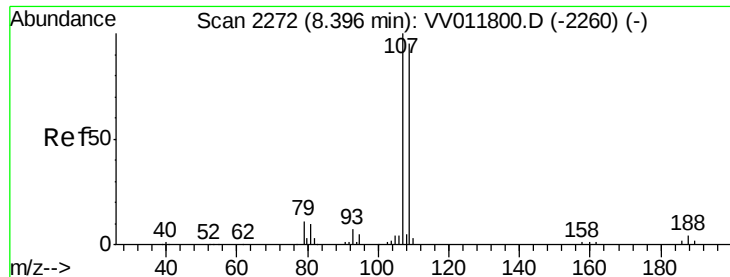
#49
Dibromochloromethane
Concen: 0.746 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV011799.D
Acq: 02 Jul 2019 10:27

Tgt Ion:	129	Resp:	8032
Ion	Ratio	Lower	Upper
129	100		
127	72.3	53.9	100.1



Abundance Ion 128.95 (128.65 to 129.65): VV011799.D (-2146) (-)
Ion 126.90 (126.60 to 127.60): VV011799.D (-2146) (-)

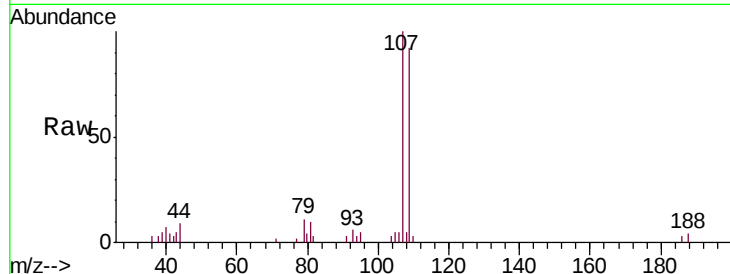




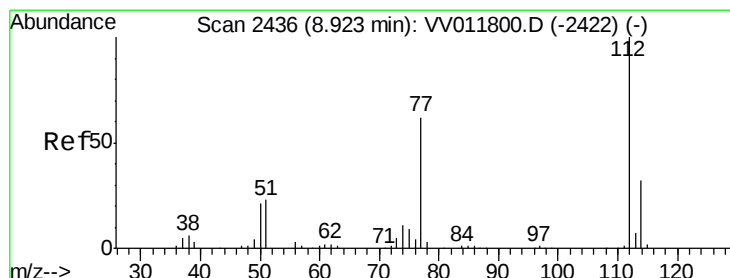
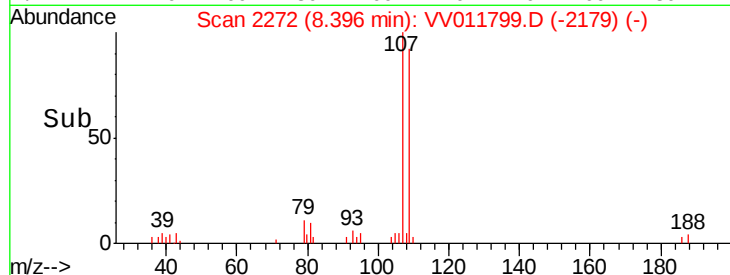
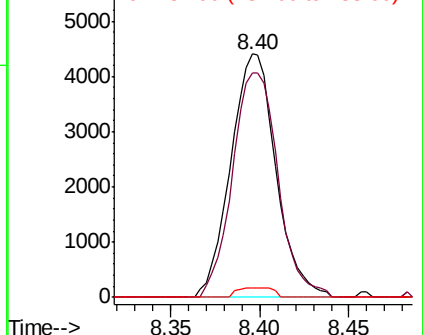
#50
 1,2-Dibromoethane
 Concen: 0.806 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VV011799.D
 Acq: 02 Jul 2019 10:27

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00135

Tgt Ion:107 Resp: 7780
 Ion Ratio Lower Upper
 107 100
 109 92.3 66.8 124.2
 188 4.0 3.0 4.6

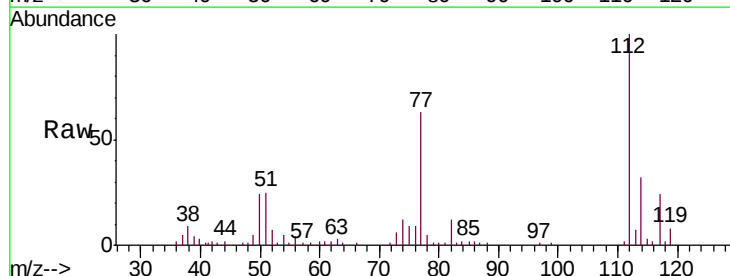


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

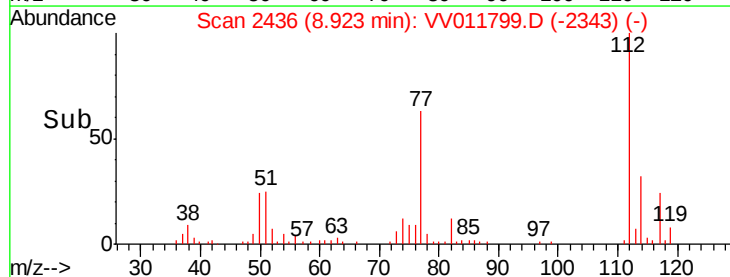
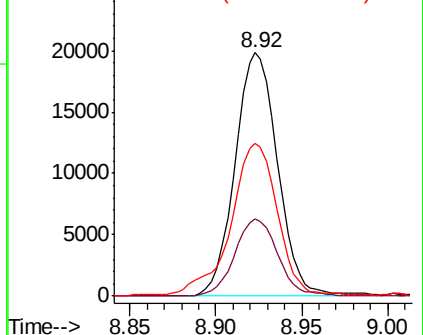


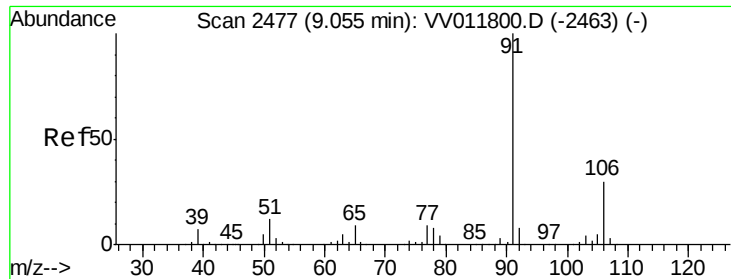
#51
 Chlorobenzene
 Concen: 0.873 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. 0.00 min
 Lab File: VV011799.D
 Acq: 02 Jul 2019 10:27

Tgt Ion:112 Resp: 34057
 Ion Ratio Lower Upper
 112 100
 114 31.7 22.7 42.3
 77 62.8 50.3 75.5



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: 0.855 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV011799.D

Acq: 02 Jul 2019 10:27

Instrument :

MSVOA_V

ClientSampleId :

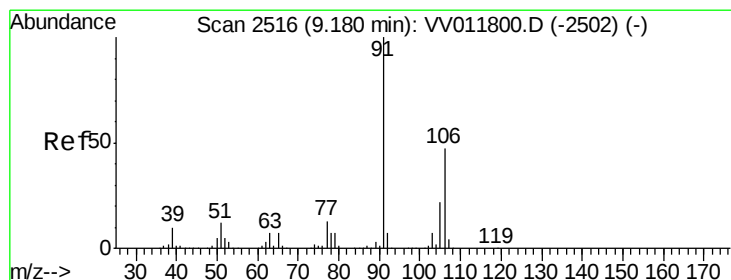
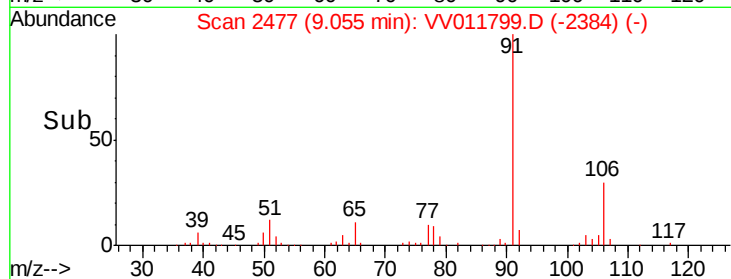
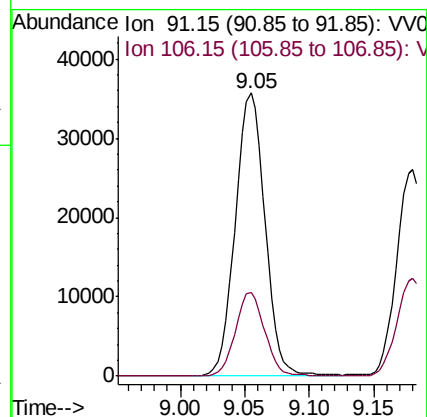
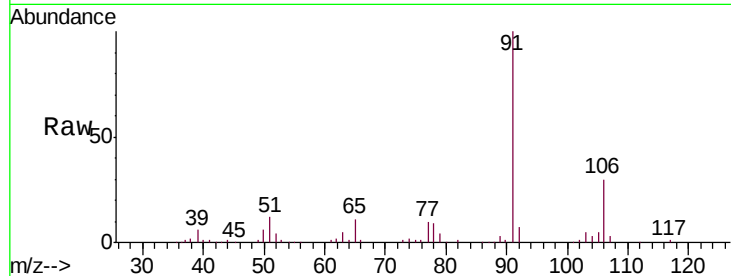
VSTD00135

Tgt Ion: 91 Resp: 57397

Ion Ratio Lower Upper

91 100

106 29.7 20.8 38.6



#53

m,p-xylene

Concen: 0.840 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV011799.D

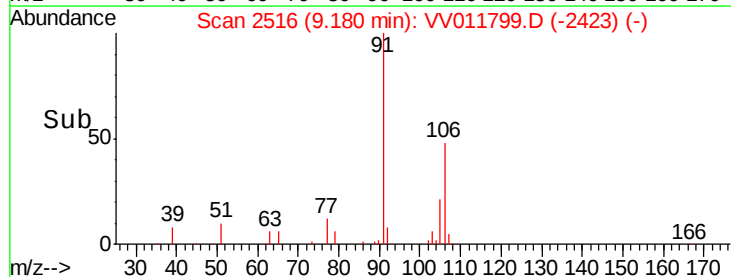
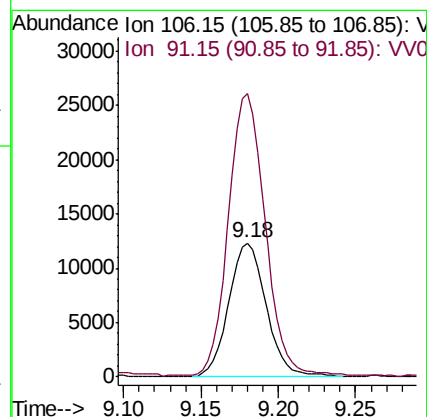
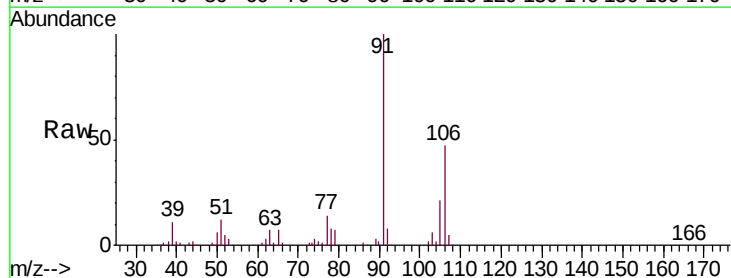
Acq: 02 Jul 2019 10:27

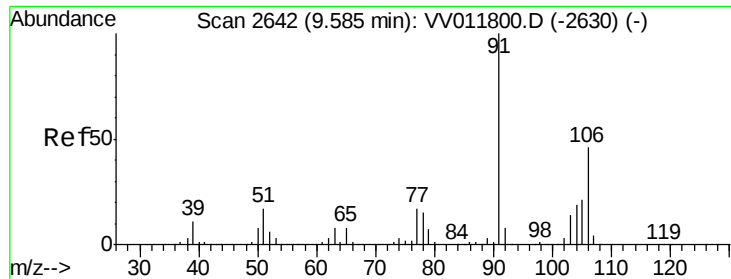
Tgt Ion: 106 Resp: 20660

Ion Ratio Lower Upper

106 100

91 211.0 148.2 275.2





#54

o-xylene

Concen: 0.786 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV011799.D

Acq: 02 Jul 2019 10:27

Instrument :

MSVOA_V

ClientSampleId :

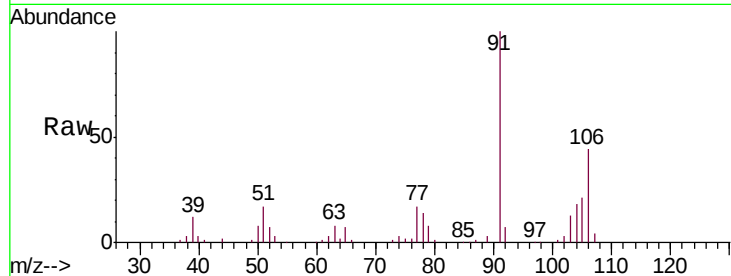
VSTD00135

Tgt Ion:106 Resp: 19272

Ion Ratio Lower Upper

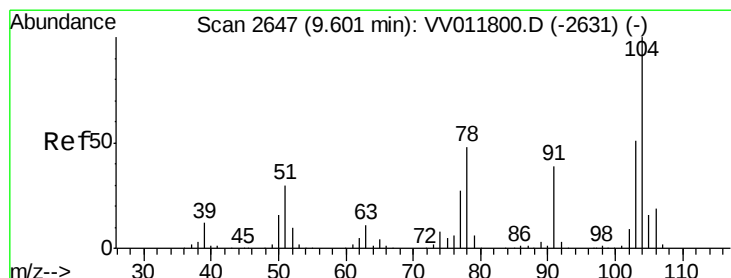
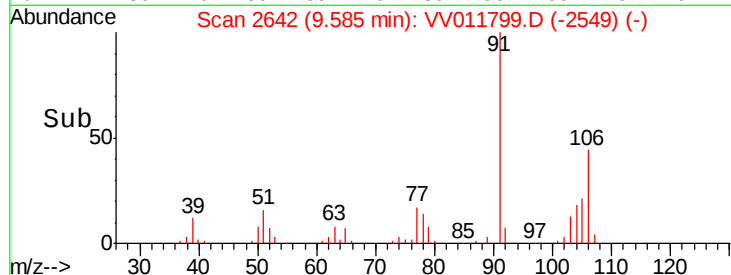
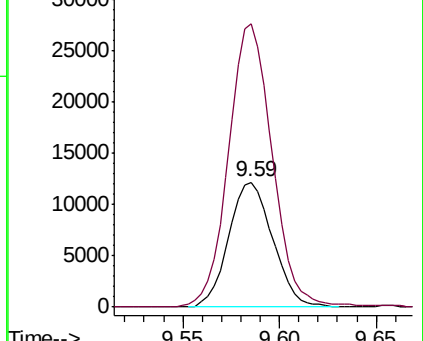
106 100

91 226.7 153.2 284.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.796 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV011799.D

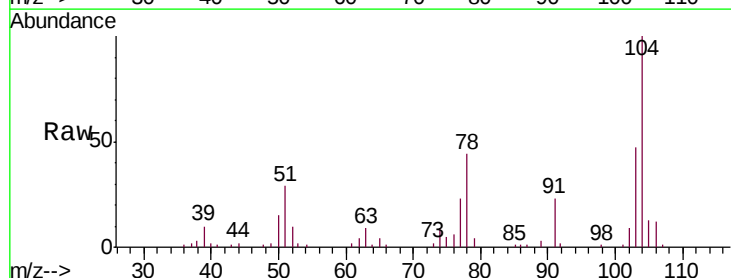
Acq: 02 Jul 2019 10:27

Tgt Ion:104 Resp: 32424

Ion Ratio Lower Upper

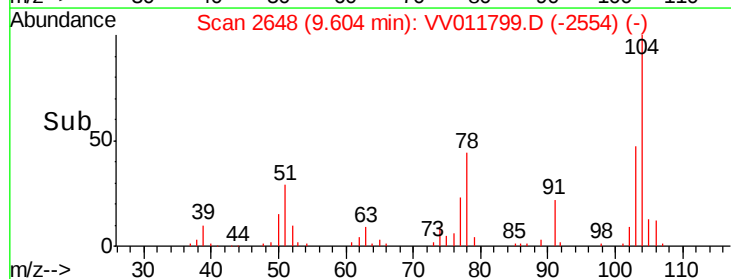
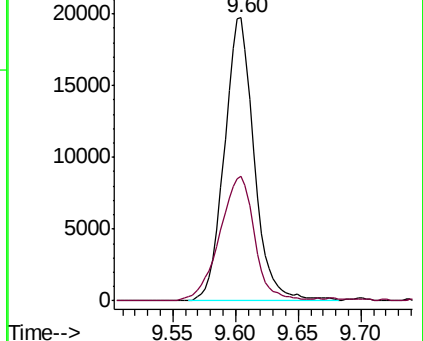
104 100

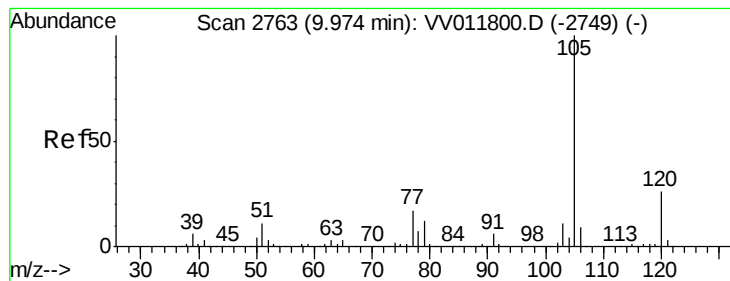
78 43.9 33.4 62.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.846 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV011799.D

Acq: 02 Jul 2019 10:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD00135

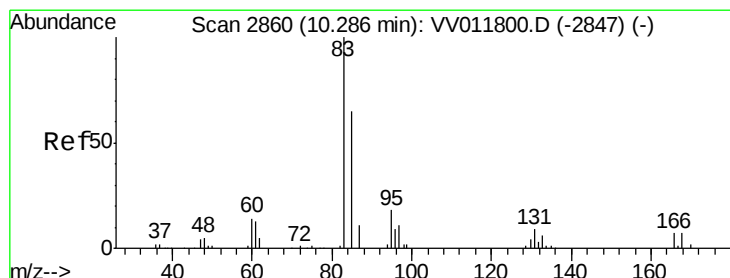
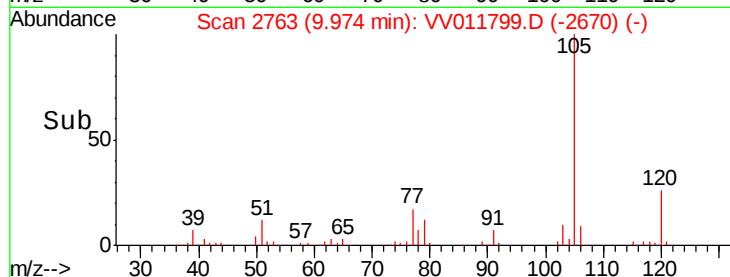
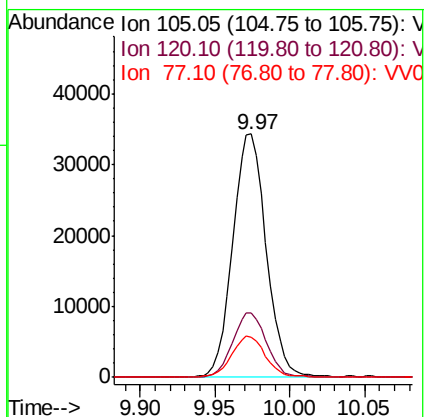
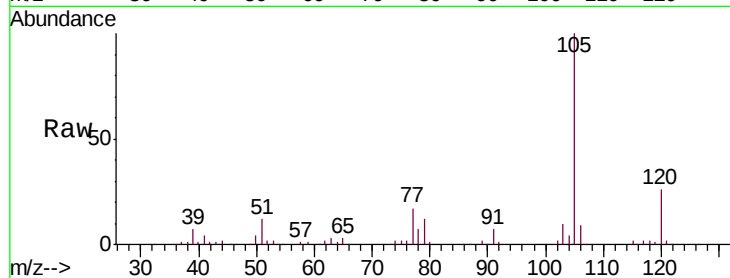
Tgt Ion: 105 Resp: 53511

Ion Ratio Lower Upper

105 100

120 26.6 21.2 31.8

77 17.1 13.5 20.3



#58

1,1,2,2-Tetrachloroethane

Concen: 0.816 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV011799.D

Acq: 02 Jul 2019 10:27

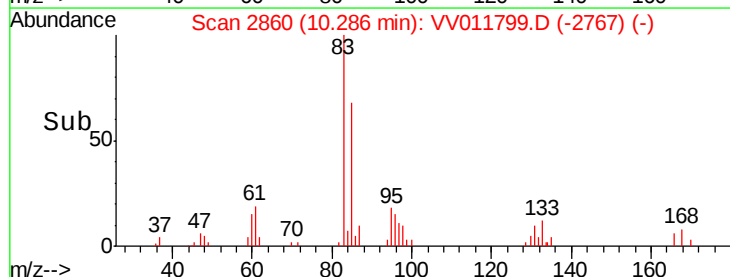
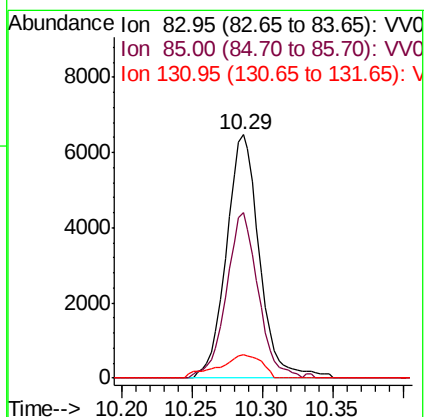
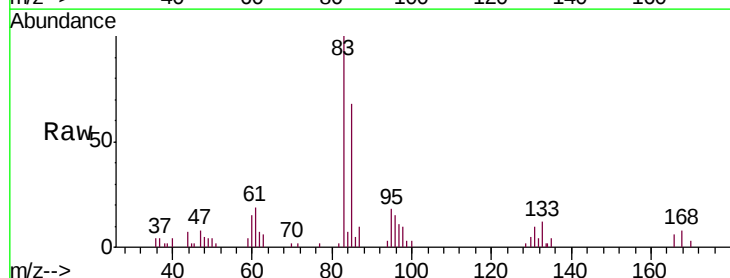
Tgt Ion: 83 Resp: 10613

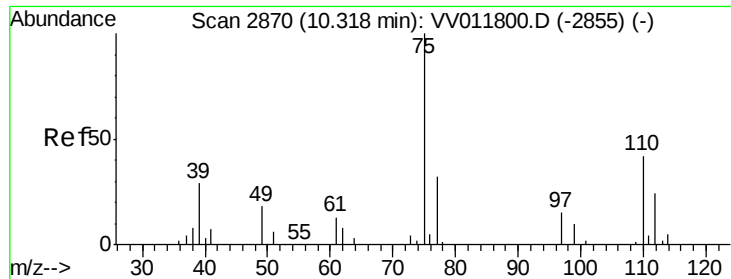
Ion Ratio Lower Upper

83 100

85 68.2 46.1 85.7

131 9.5 7.8 11.6

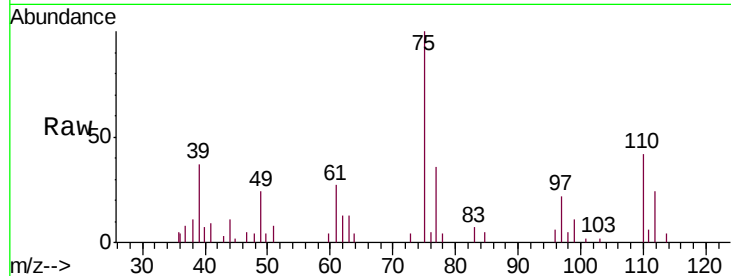




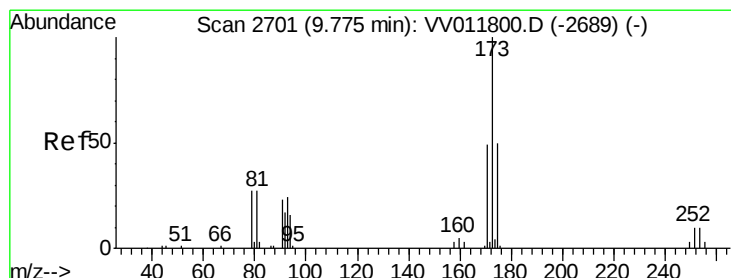
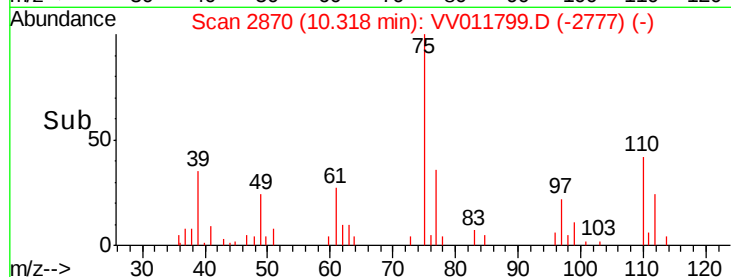
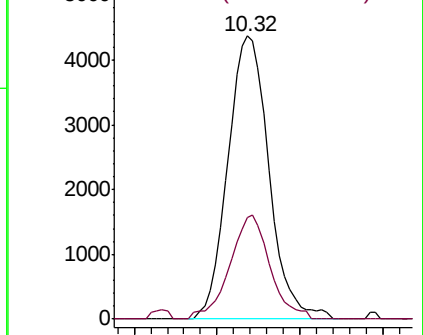
#59
 1,2,3-Trichloropropane
 Concen: 0.760 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV011799.D
 Acq: 02 Jul 2019 10:27

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00135

Tgt Ion: 75 Resp: 7525
 Ion Ratio Lower Upper
 75 100
 77 35.8 25.4 38.2

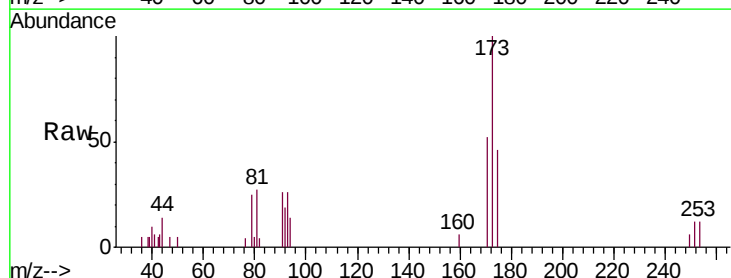


Abundance Ion 75.00 (74.70 to 75.70): VV011800.D (-2855) (-)
 Ion 77.00 (76.70 to 77.70): VV011800.D (-2855) (-)

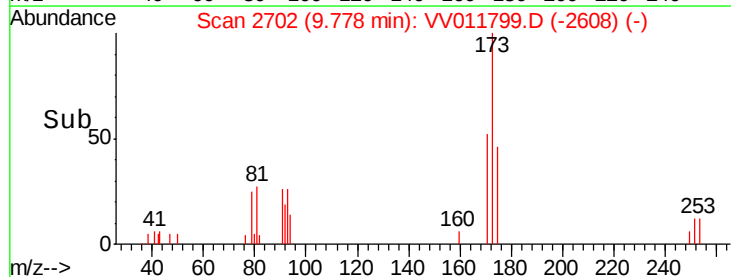
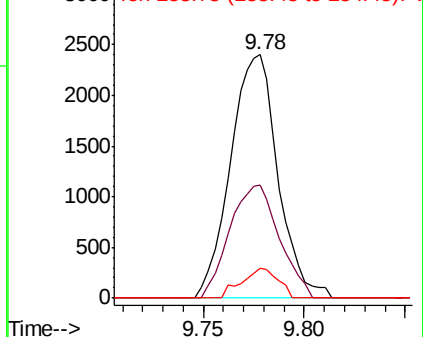


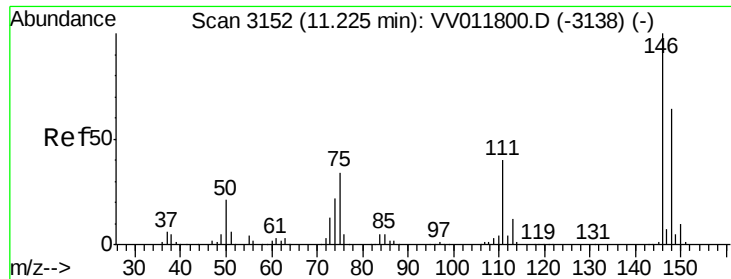
#61
 Bromoform
 Concen: 0.770 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. 0.00 min
 Lab File: VV011799.D
 Acq: 02 Jul 2019 10:27

Tgt Ion: 173 Resp: 3950
 Ion Ratio Lower Upper
 173 100
 175 48.4 38.1 57.1
 254 9.4 7.9 11.9



Abundance Ion 172.90 (172.60 to 173.60): VV011800.D (-2689) (-)
 Ion 174.90 (174.60 to 175.60): VV011800.D (-2689) (-)
 Ion 253.75 (253.45 to 254.45): VV011800.D (-2689) (-)

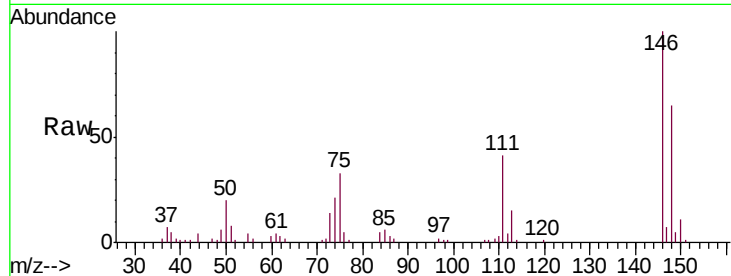




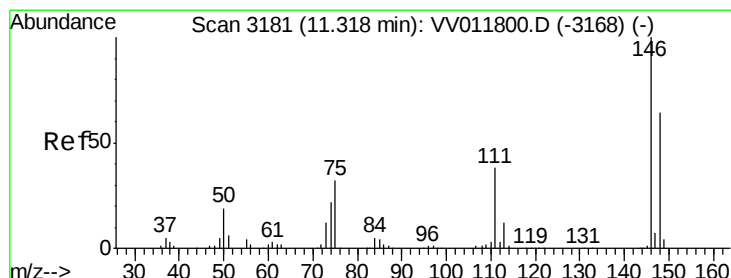
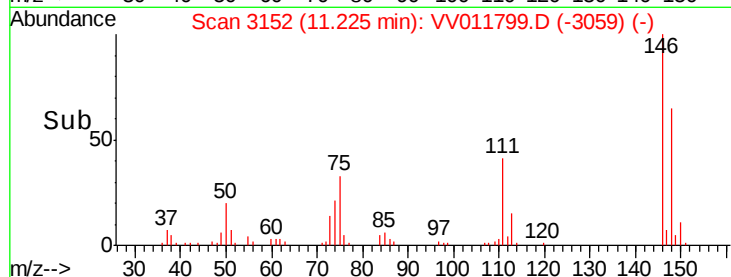
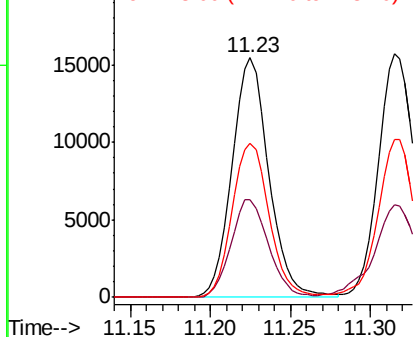
#62
1,3-Dichlorobenzene
Concen: 0.909 ug/L
RT: 11.23 min Scan# 3152
Delta R.T. 0.00 min
Lab File: VV011799.D
Acq: 02 Jul 2019 10:27

Instrument :
MSVOA_V
ClientSampleId :
VSTD00135

Tgt Ion:146 Resp: 24190
Ion Ratio Lower Upper
146 100
111 41.0 28.1 52.1
148 64.5 44.7 83.1

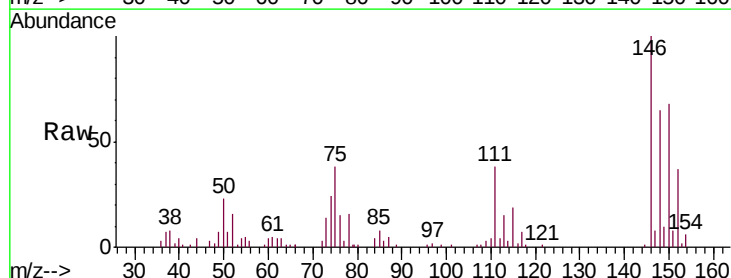


Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

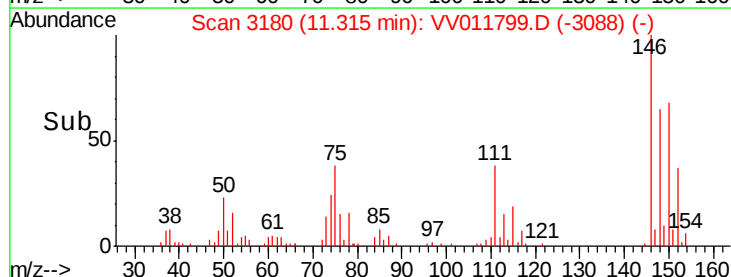
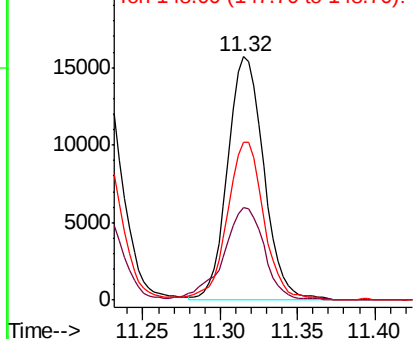


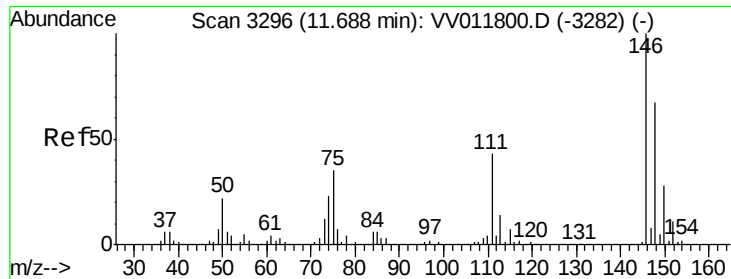
#63
1,4-Dichlorobenzene
Concen: 0.942 ug/L
RT: 11.32 min Scan# 3180
Delta R.T. -0.00 min
Lab File: VV011799.D
Acq: 02 Jul 2019 10:27

Tgt Ion:146 Resp: 25495
Ion Ratio Lower Upper
146 100
111 37.9 27.2 50.4
148 65.1 45.1 83.7



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: 0.885 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV011799.D

Acq: 02 Jul 2019 10:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD00135

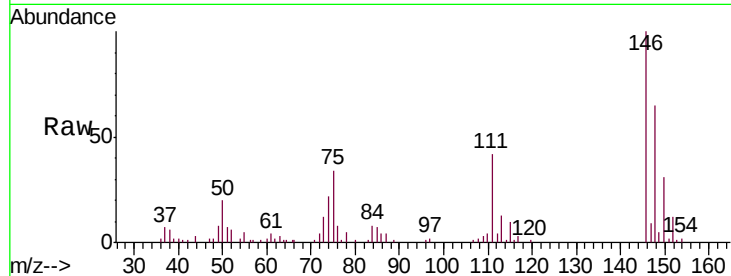
Tgt Ion: 146 Resp: 23419

Ion Ratio Lower Upper

146 100

111 41.8 34.6 52.0

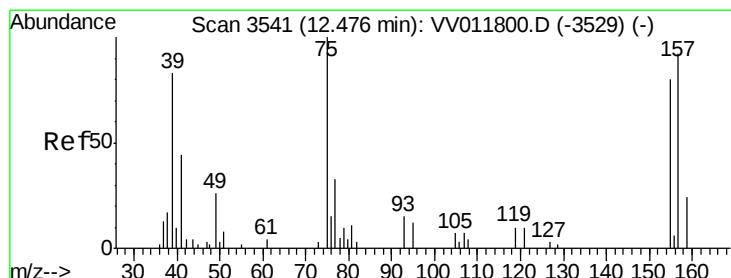
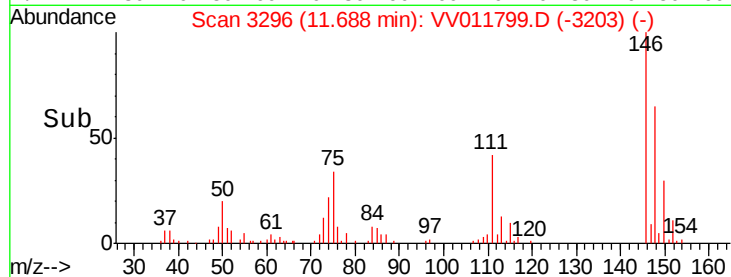
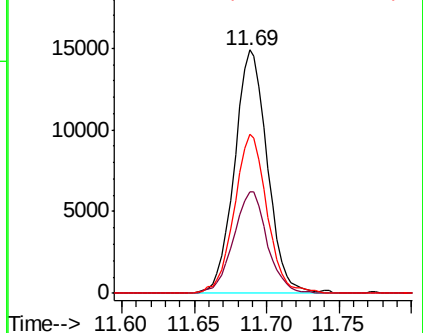
148 65.4 53.3 79.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 0.737 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV011799.D

Acq: 02 Jul 2019 10:27

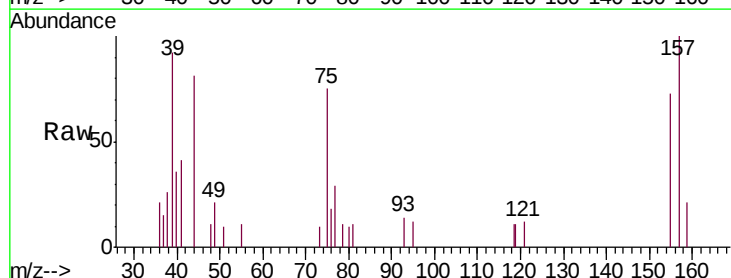
Tgt Ion: 75 Resp: 1380

Ion Ratio Lower Upper

75 100

155 97.7 64.2 96.4#

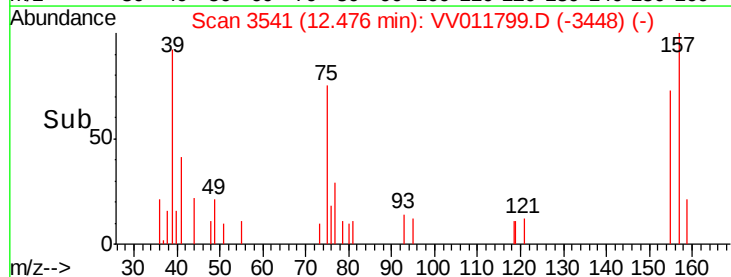
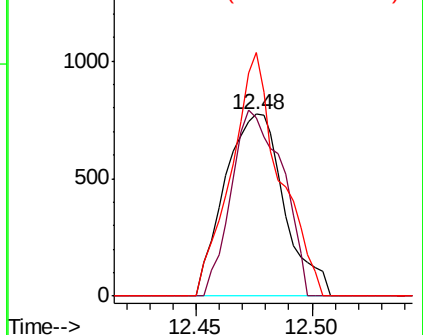
157 133.9 73.6 110.4#

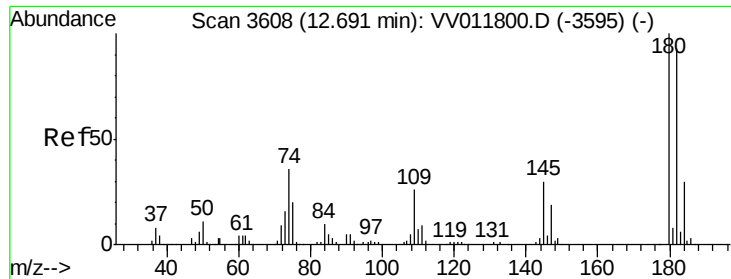


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

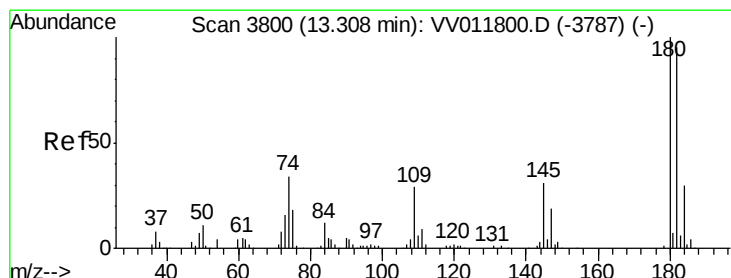
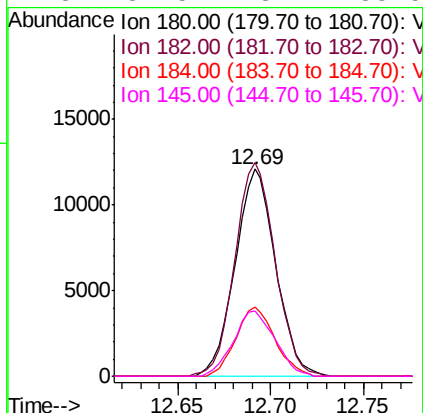
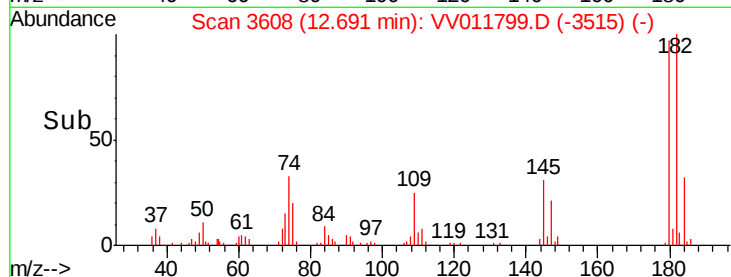
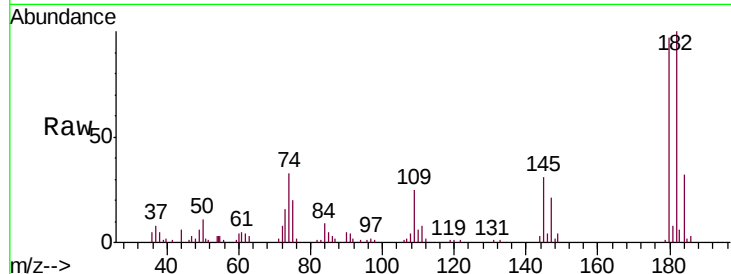




#67
 1,3,5-Trichlorobenzene
 Concen: 0.928 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV011799.D
 Acq: 02 Jul 2019 10:27

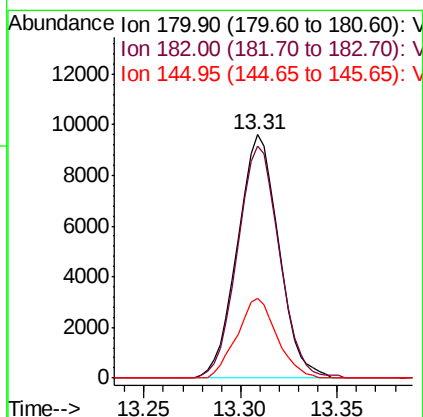
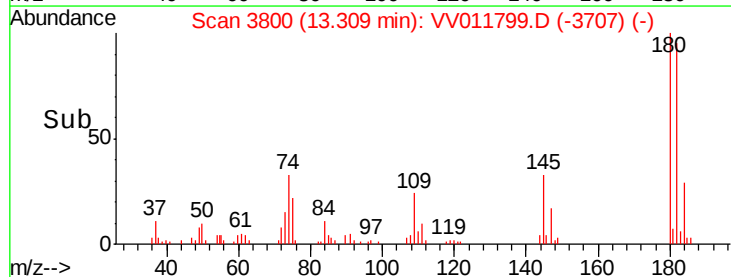
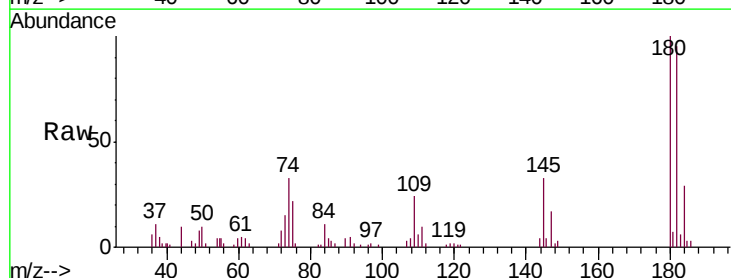
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00135

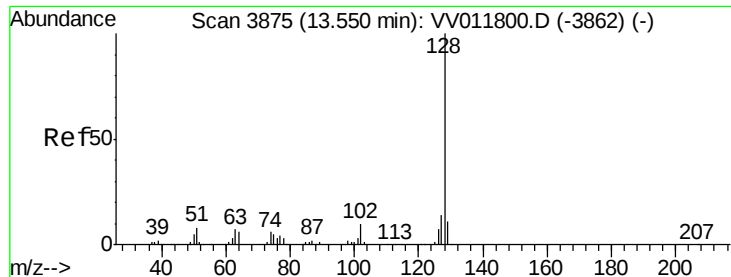
Tgt Ion:	180	Resp:	18306
Ion	Ratio	Lower	Upper
180	100		
182	102.3	75.3	112.9
184	32.2	24.2	36.4
145	32.5	23.7	35.5



#68
 1,2,4-trichlorobenzene
 Concen: 0.902 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV011799.D
 Acq: 02 Jul 2019 10:27

Tgt Ion:	180	Resp:	14300
Ion	Ratio	Lower	Upper
180	100		
182	96.5	75.2	112.8
145	31.8	24.5	36.7





#69

Naphthalene

Concen: 0.686 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV011799.D

Acq: 02 Jul 2019 10:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD00135

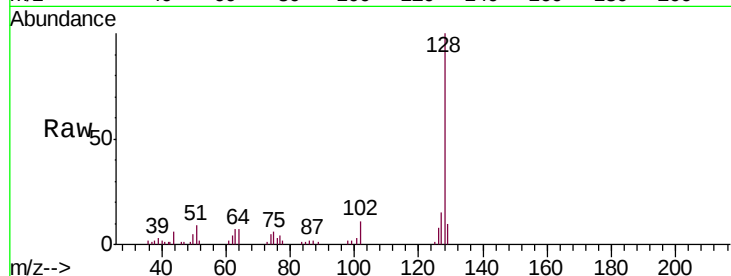
Tgt Ion:128 Resp: 20585

Ion Ratio Lower Upper

128 100

129 10.6 8.7 13.1

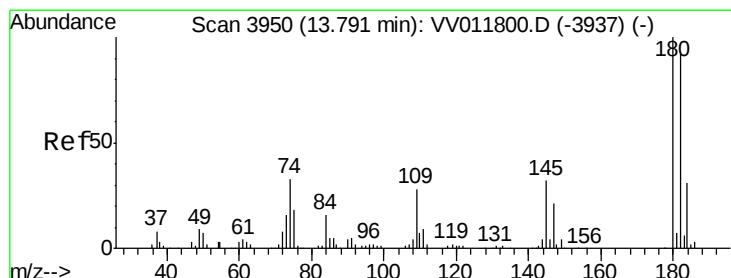
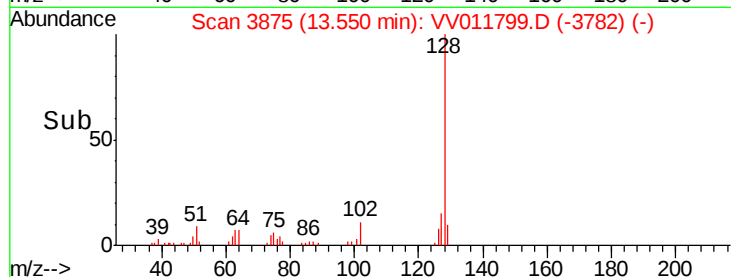
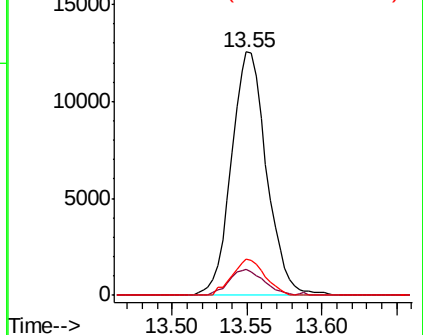
127 13.7 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.893 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV011799.D

Acq: 02 Jul 2019 10:27

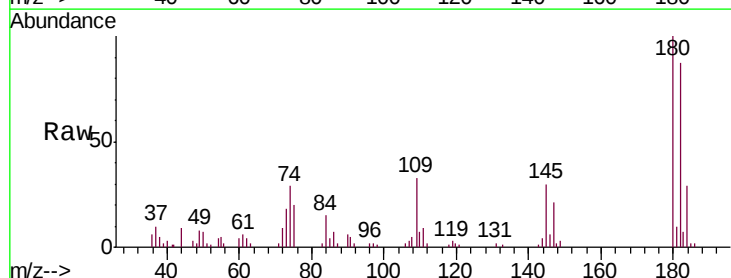
Tgt Ion:180 Resp: 13642

Ion Ratio Lower Upper

180 100

182 90.2 74.7 112.1

145 31.7 26.2 39.4



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

