

Data File : VV011804.D
Acq On : 02 Jul 2019 12:54
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00554

Quant Time: Jul 03 08:28:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR070219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 03 08:12:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	196036	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	188706	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	90976	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	61180	4.64	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.80%
7) Chloroethane-d5	1.58	69	45882	4.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.40%
11) 1,1-Dichloroethene-d2	2.13	63	120515	4.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.40%
20) 2-Butanone-d5	3.96	46	155913	47.85	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.70%
24) Chloroform-d	4.40	84	118917	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.00%
26) 1,2-Dichloroethane-d4	5.08	65	62423	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
32) Benzene-d6	5.09	84	230062	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
36) 1,2-Dichloropropane-d6	6.12	67	71270	4.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.20%
41) Toluene-d8	7.36	98	216904	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
43) trans-1,3-Dichloropropene-	7.66	79	26576	4.92	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.40%
46) 2-Hexanone-d5	8.14	63	119106	47.85	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.70%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	49688	4.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	74566	4.65	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	93260	4.984 ug/L	98
3) Chloromethane	1.25	50	89654	4.818 ug/L	98
5) Vinyl chloride	1.32	62	86792	4.958 ug/L	98
6) Bromomethane	1.53	94	46733	5.092 ug/L	98
8) Chloroethane	1.60	64	49243	4.928 ug/L	99
9) Trichlorofluoromethane	1.77	101	117136	5.084 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	64069	4.988 ug/L	99
12) 1,1-Dichloroethene	2.14	96	59126	4.984 ug/L	91
13) Acetone	2.23	43	114648	51.380 ug/L	100
14) Carbon disulfide	2.32	76	163891	5.139 ug/L	99
15) Methyl Acetate	2.47	43	29050	4.684 ug/L	91
16) Methylene chloride	2.53	84	64121	4.521 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	154285	4.994 ug/L	98
18) trans-1,2-Dichloroethene	2.78	96	68844	5.126 ug/L	95
19) 1,1-Dichloroethane	3.23	63	133335	5.011 ug/L	100
21) 2-Butanone	4.05	43	188020	51.588 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	73576	5.133 ug/L	98

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ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00554

Quant Time: Jul 03 08:28:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR070219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 03 08:12:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	29356	4.929	ug/L	95
25) Chloroform	4.42	83	136942	4.802	ug/L	96
27) 1,2-Dichloroethane	5.18	62	87207	4.950	ug/L	98
29) 1,1,1-Trichloroethane	4.65	97	113424	5.121	ug/L	99
30) Cyclohexane	4.72	56	124046	5.247	ug/L	99
31) Carbon tetrachloride	4.87	117	97045	5.108	ug/L	99
33) Benzene	5.14	78	292591	5.208	ug/L	100
34) Trichloroethene	5.96	95	75170	5.143	ug/L	97
35) Methylcyclohexane	6.17	83	126184	5.275	ug/L	99
37) 1,2-Dichloropropane	6.22	63	71702	4.984	ug/L	98
38) Bromodichloromethane	6.55	83	83990	5.007	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	100807	5.253	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	464871	52.189	ug/L	100
42) Toluene	7.43	91	311042	5.241	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	77896	5.261	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	46312	5.017	ug/L	98
47) Tetrachloroethene	8.02	164	59240	5.150	ug/L	98
48) 2-Hexanone	8.19	43	337966	53.749	ug/L	99
49) Dibromochloromethane	8.29	129	51393	5.245	ug/L	99
50) 1,2-Dibromoethane	8.40	107	43265	5.047	ug/L	98
51) Chlorobenzene	8.92	112	192096	5.126	ug/L	98
52) Ethylbenzene	9.05	91	344861	5.227	ug/L	99
53) m,p-xylene	9.18	106	128676	5.333	ug/L	100
54) o-xylene	9.59	106	123461	5.310	ug/L	99
55) Styrene	9.60	104	208785	5.383	ug/L	97
56) Isopropylbenzene	9.97	105	337078	5.358	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	56565	5.004	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	41154	4.944	ug/L	99
61) Bromoform	9.77	173	23905	4.925	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	147676	5.248	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	151221	5.261	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	137707	5.180	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.47	75	8391	4.977	ug/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	115657	5.311	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	96071	5.464	ug/L	99
69) Naphthalene	13.55	128	154590	5.520	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	87119	5.346	ug/L	99

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

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Sample : VSTDCCC005

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ALS Vial      : 8      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
VSTD00554

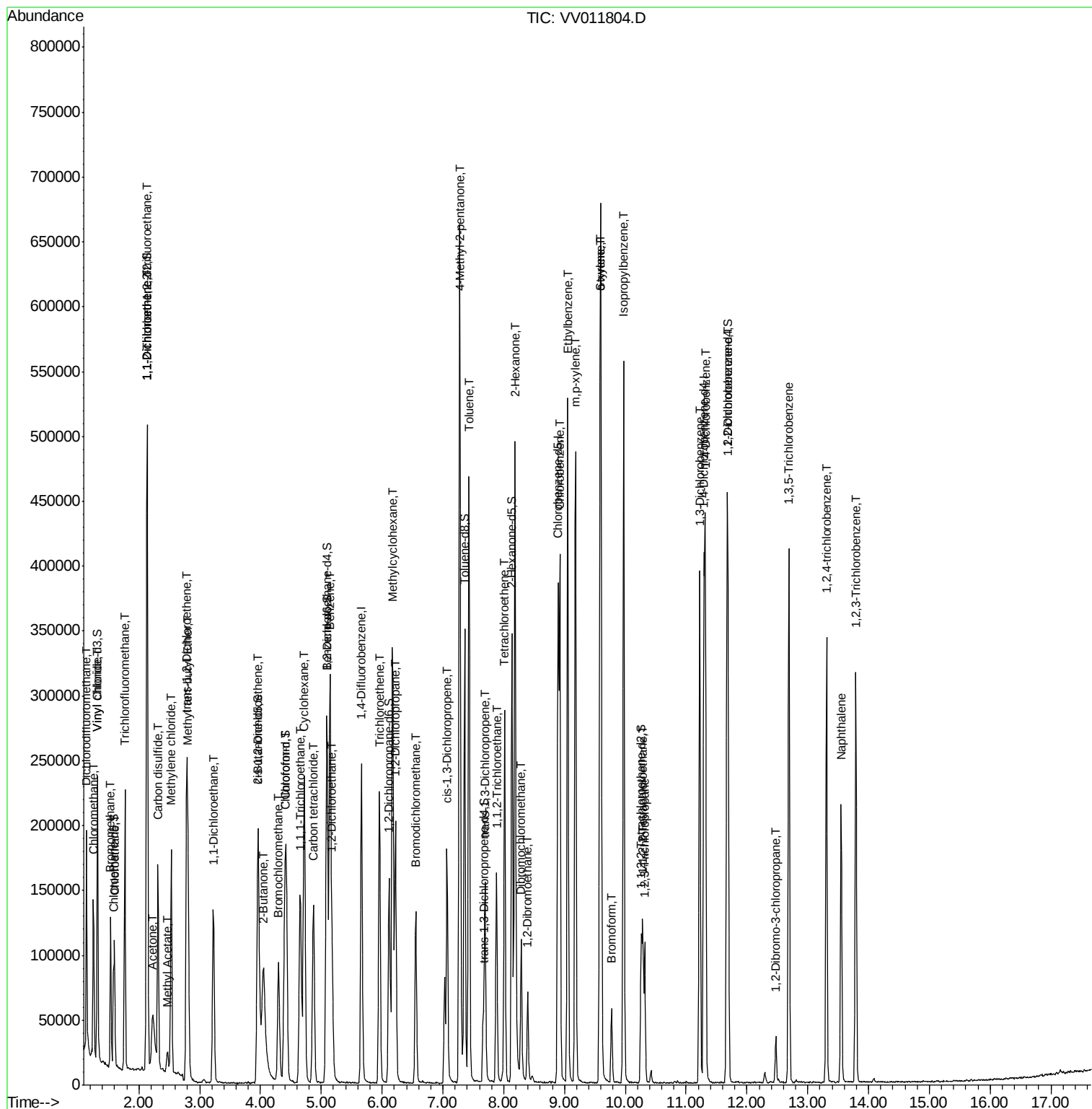
Quant Time: Jul 03 08:28:11 2019

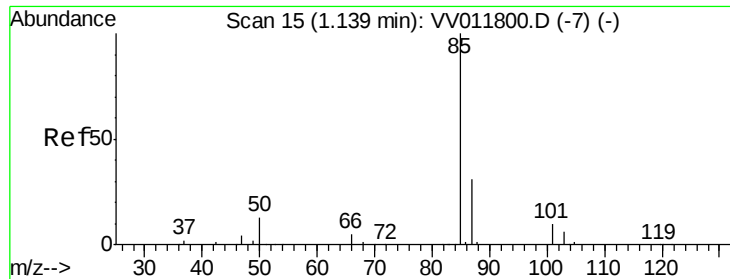
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR070219WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Wed Jul 03 08:12:00 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.984 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV011804.D

Acq: 02 Jul 2019 12:54

Instrument :

MSVOA_V

ClientSampleId :

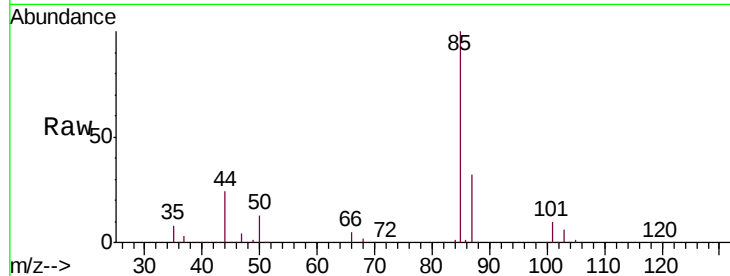
VSTD00554

Tgt Ion: 85 Resp: 93260

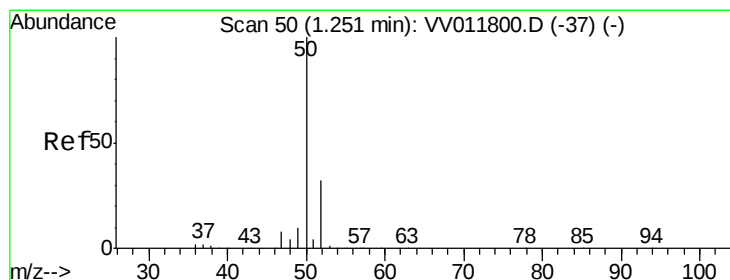
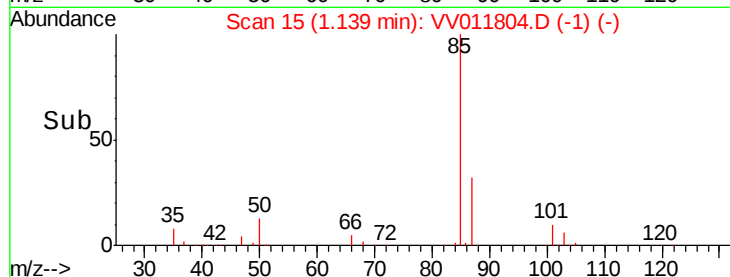
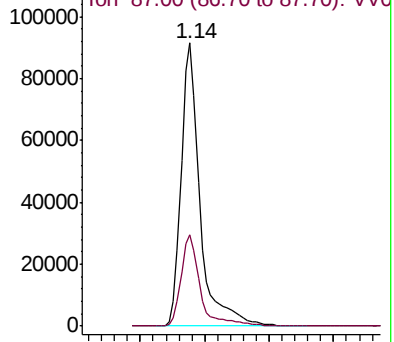
Ion Ratio Lower Upper

85 100

87 32.7 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VV011800.D (-7) (-)



#3

Chloromethane

Concen: 4.818 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV011804.D

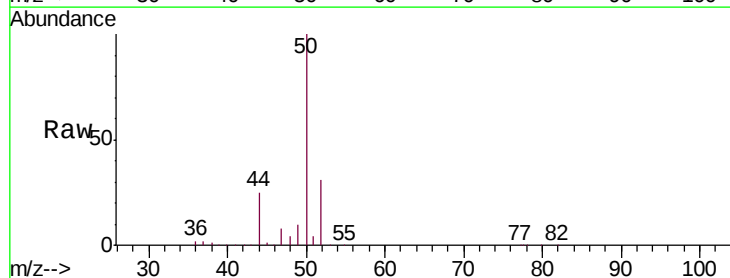
Acq: 02 Jul 2019 12:54

Tgt Ion: 50 Resp: 89654

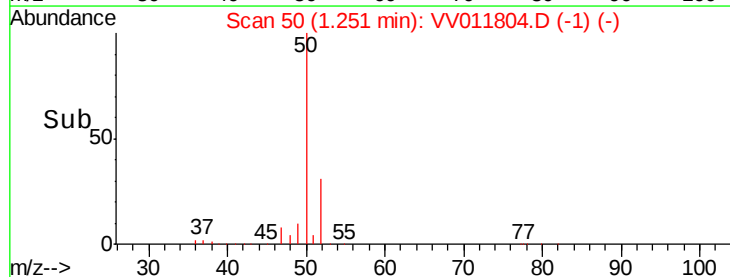
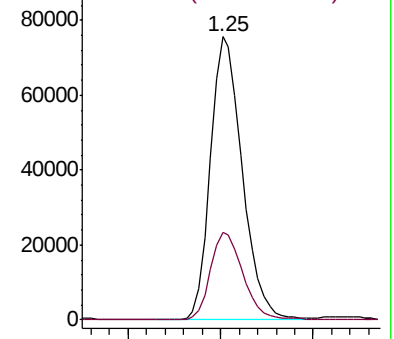
Ion Ratio Lower Upper

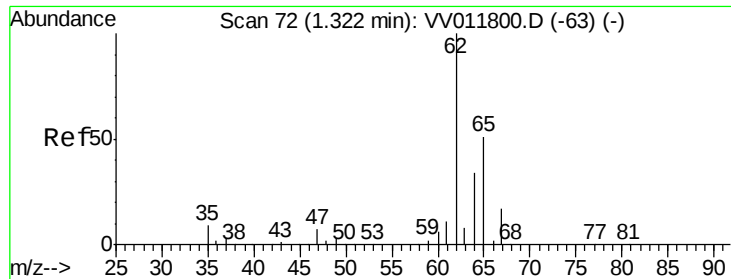
50 100

52 30.9 22.3 41.3



Abundance Ion 50.05 (49.75 to 50.75): VV011800.D (-37) (-)





#5

Vinyl chloride

Concen: 4.958 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV011804.D

Acq: 02 Jul 2019 12:54

Instrument :

MSVOA_V

ClientSampleId :

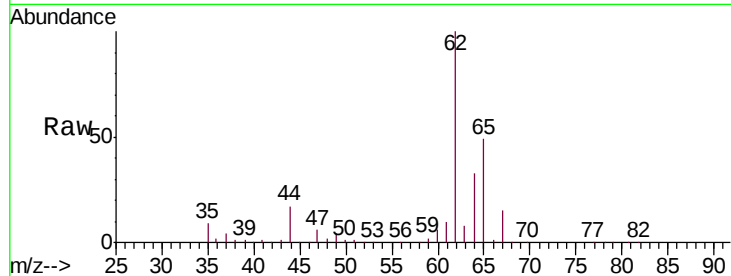
VSTD00554

Tgt Ion: 62 Resp: 86792

Ion Ratio Lower Upper

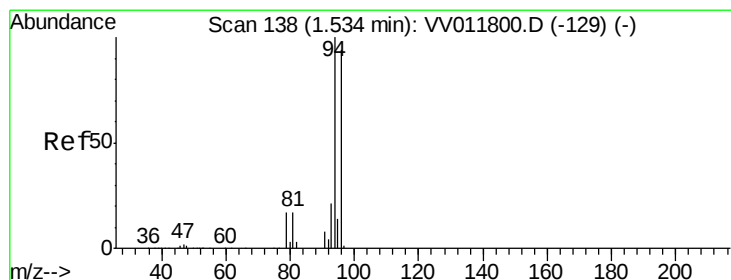
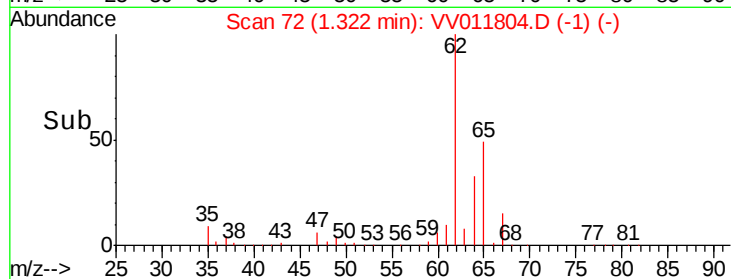
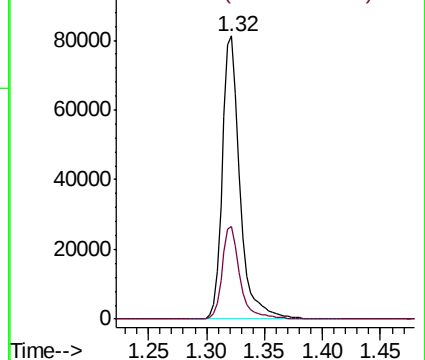
62 100

64 32.9 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: 5.092 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV011804.D

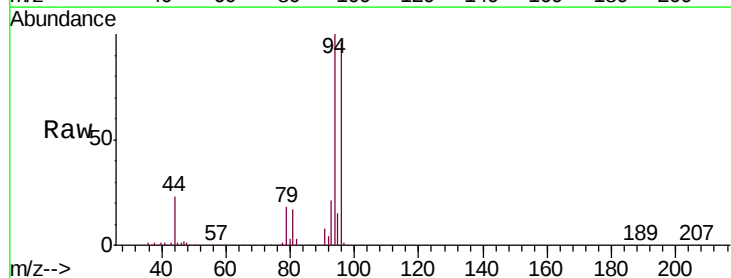
Acq: 02 Jul 2019 12:54

Tgt Ion: 94 Resp: 46733

Ion Ratio Lower Upper

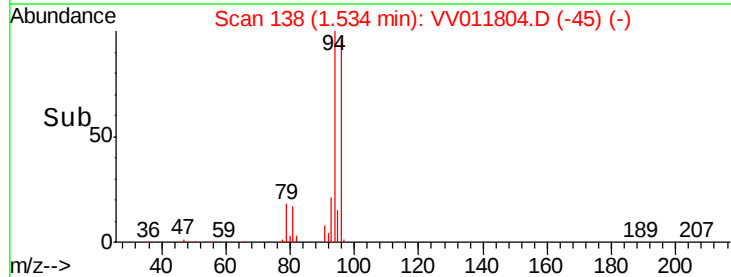
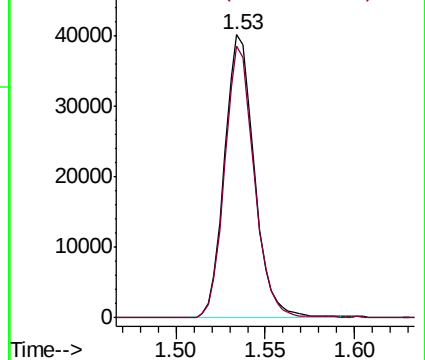
94 100

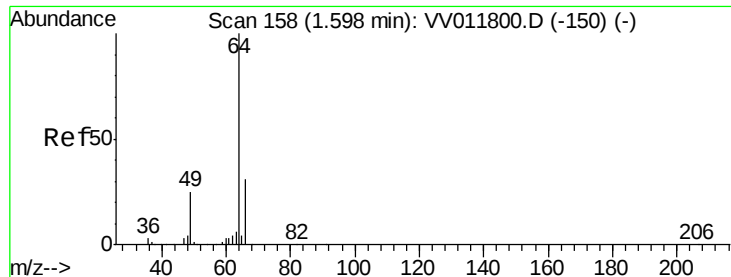
96 96.1 65.9 122.5



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 4.928 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.00 min

Lab File: VV011804.D

Acq: 02 Jul 2019 12:54

Instrument :

MSVOA_V

ClientSampleId :

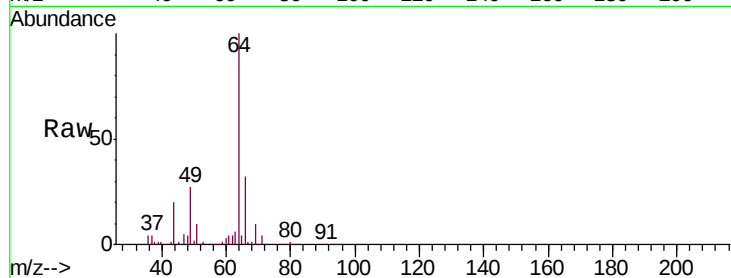
VSTD00554

Tgt Ion: 64 Resp: 49243

Ion Ratio Lower Upper

64 100

66 31.9 21.8 40.6



Abundance Ion 64.10 (63.80 to 64.80): VV011804.D (-150) (-)

Ion 66.05 (65.75 to 66.75): VV011804.D (-150) (-)

1.60

40000

30000

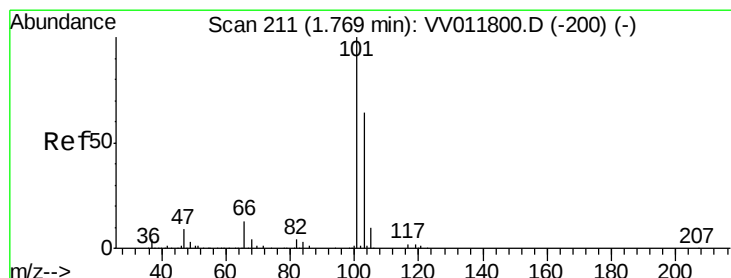
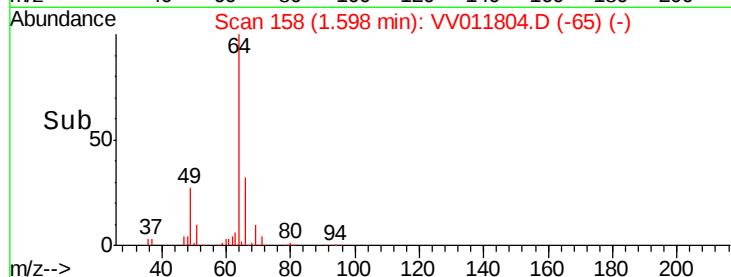
20000

10000

0

Time-->

1.55 1.60 1.65



#9

Trichlorofluoromethane

Concen: 5.084 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV011804.D

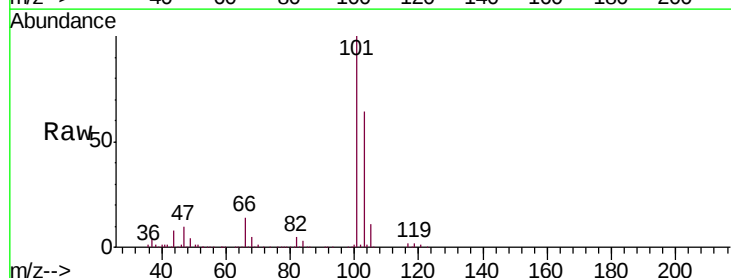
Acq: 02 Jul 2019 12:54

Tgt Ion: 101 Resp: 117136

Ion Ratio Lower Upper

101 100

103 63.7 52.0 78.0



Abundance Ion 101.00 (100.70 to 101.70): VV011804.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV011804.D (-200) (-)

1.77

100000

80000

60000

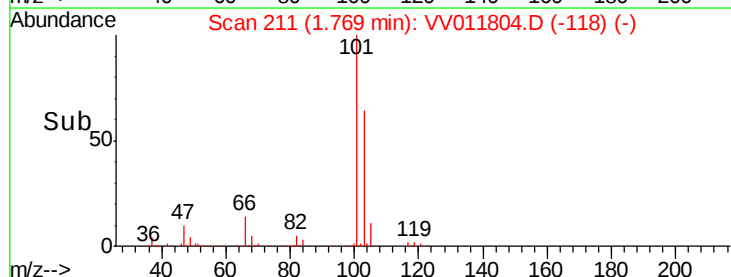
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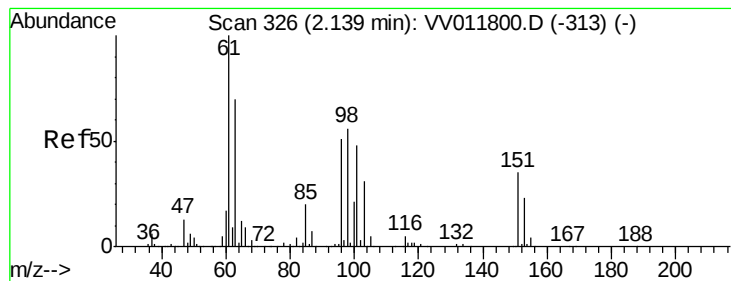
20000

0

Time-->

1.70 1.75 1.80 1.85





#10

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

Concen: 4.988 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV011804.D

Acq: 02 Jul 2019 12:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD00554

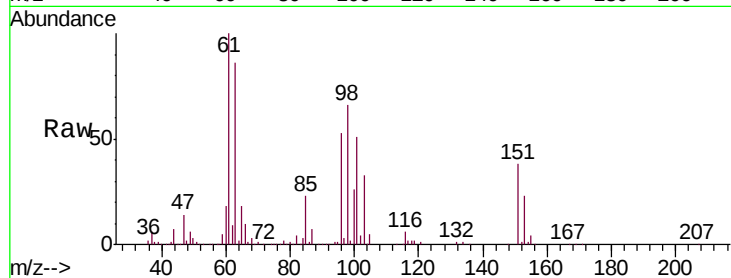
Tgt Ion: 101 Resp: 64069

Ion Ratio Lower Upper

101 100

85 44.8 34.8 52.2

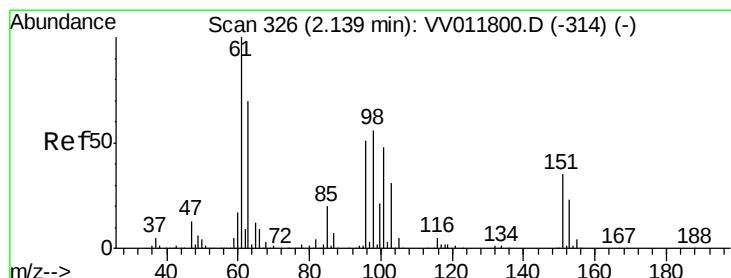
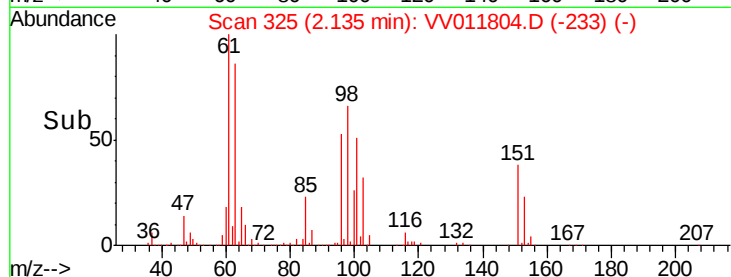
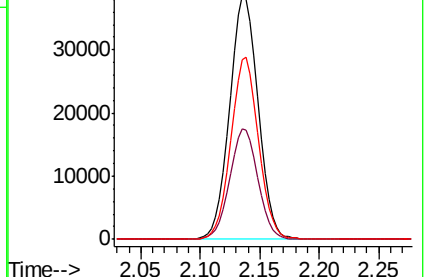
151 72.3 58.2 87.4



Abundance Ion 101.00 (100.70 to 101.70): VV011804.D (-233) (-)

Ion 85.00 (84.70 to 85.70): VV011804.D (-233) (-)

Ion 151.00 (150.70 to 151.70): VV011804.D (-233) (-)



#12

1,1-Dichloroethene

Concen: 4.984 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV011804.D

Acq: 02 Jul 2019 12:54

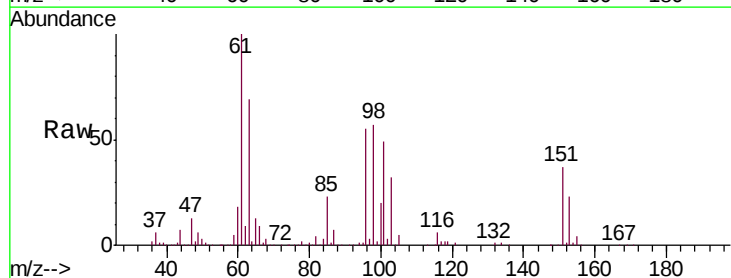
Tgt Ion: 96 Resp: 59126

Ion Ratio Lower Upper

96 100

61 182.6 137.1 254.5

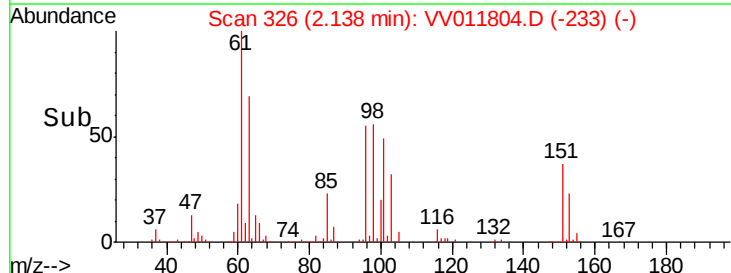
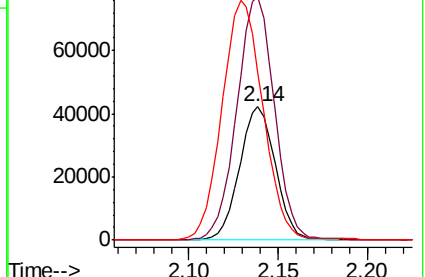
63 126.2 96.5 179.1

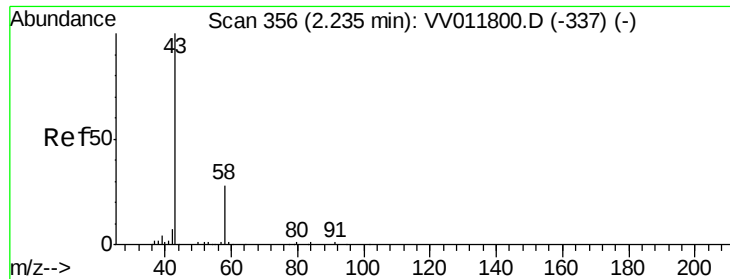


Abundance Ion 96.00 (95.70 to 96.70): VV011804.D (-233) (-)

Ion 61.05 (60.75 to 61.75): VV011804.D (-233) (-)

Ion 63.00 (62.70 to 63.70): VV011804.D (-233) (-)





#13

Acetone

Concen: 51.380 ug/L

RT: 2.23 min Scan# 354

Delta R.T. -0.01 min

Lab File: VV011804.D

Acq: 02 Jul 2019 12:54

Instrument :

MSVOA_V

ClientSampleId :

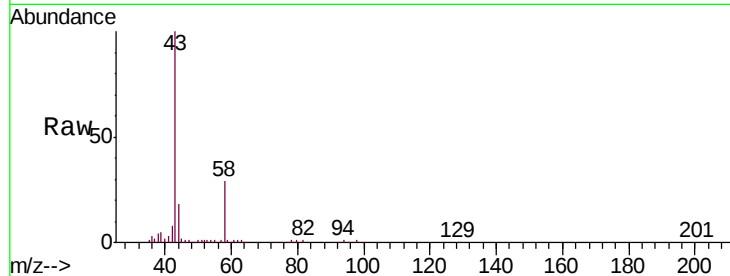
VSTD00554

Tgt Ion: 43 Resp: 114648

Ion Ratio Lower Upper

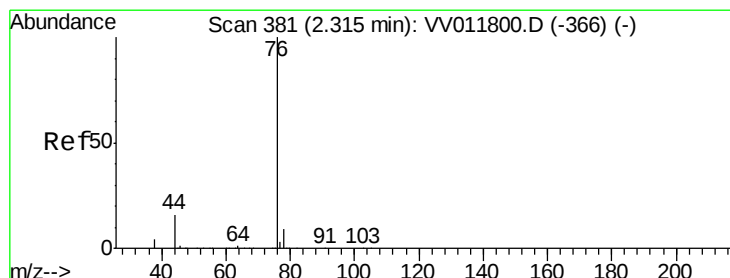
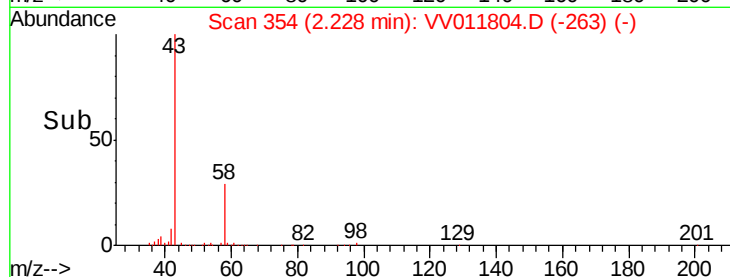
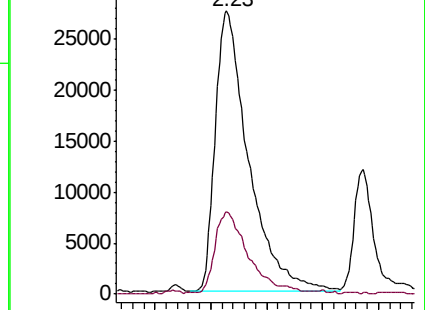
43 100

58 28.9 0.0 58.0



Abundance Ion 43.05 (42.75 to 43.75): VV011800.D (-337) (-)

Ion 58.05 (57.75 to 58.75): VV011800.D (-337) (-)



#14

Carbon disulfide

Concen: 5.139 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV011804.D

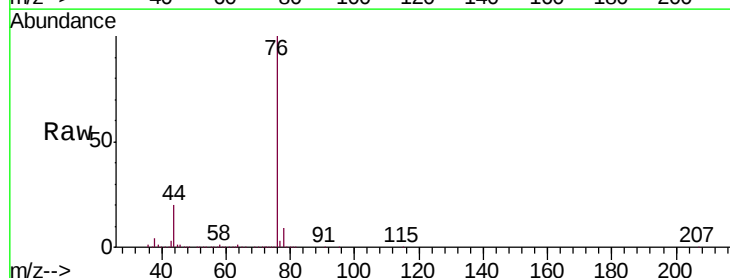
Acq: 02 Jul 2019 12:54

Tgt Ion: 76 Resp: 163891

Ion Ratio Lower Upper

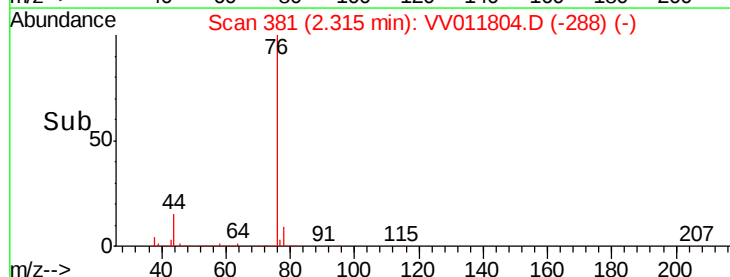
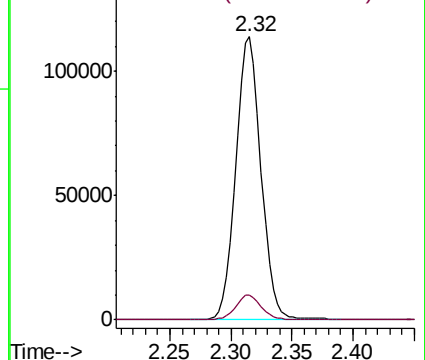
76 100

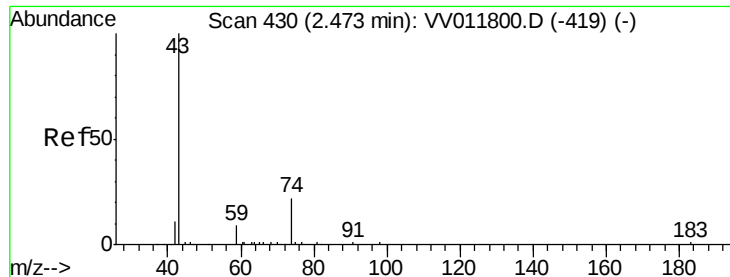
78 8.9 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VV011800.D (-366) (-)

Ion 78.00 (77.70 to 78.70): VV011800.D (-366) (-)

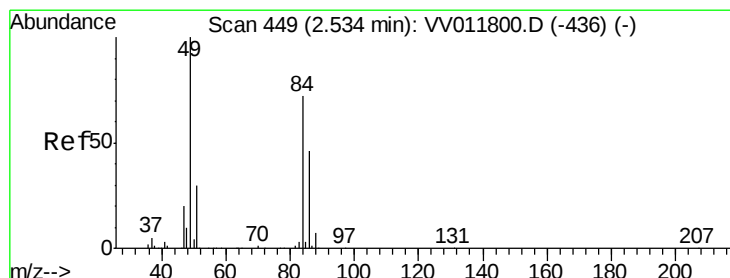
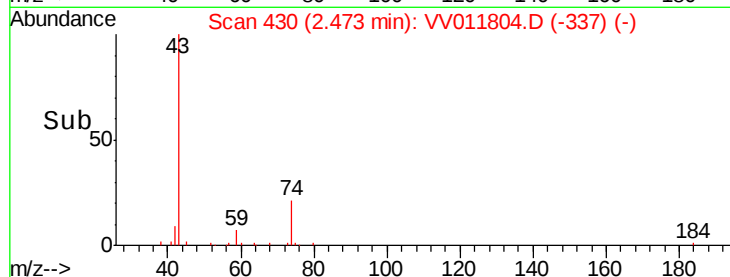
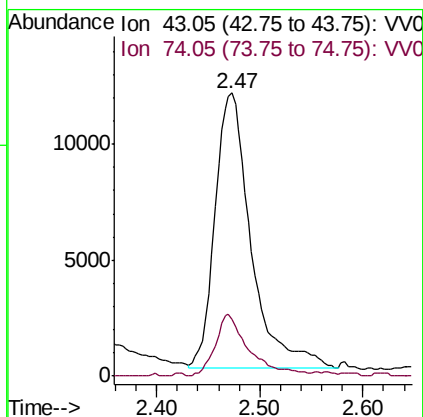
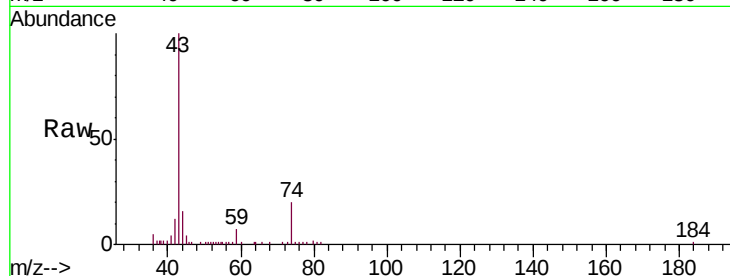




#15
Methyl Acetate
Concen: 4.684 ug/L
RT: 2.47 min Scan# 430
Delta R.T. -0.00 min
Lab File: VV011804.D
Acq: 02 Jul 2019 12:54

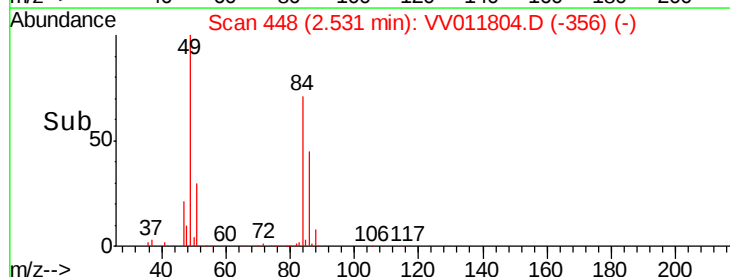
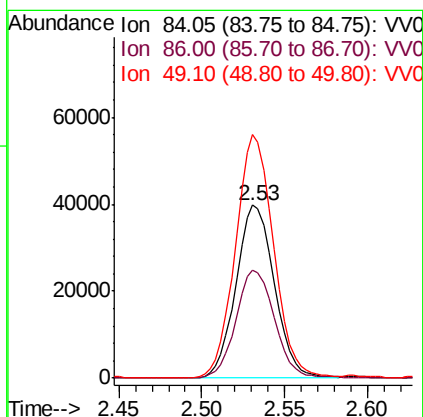
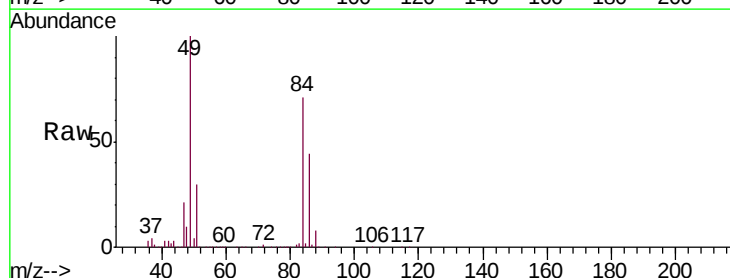
Instrument :
MSVOA_V
ClientSampled :
VSTD00554

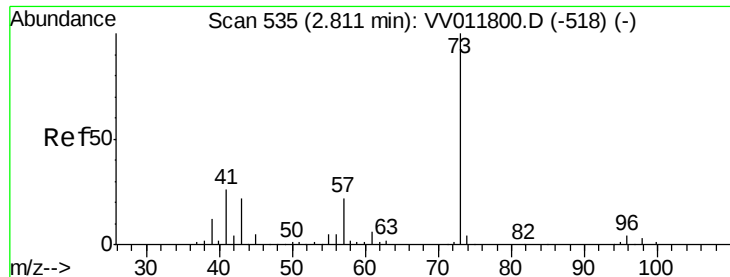
Tgt Ion: 43 Resp: 29050
Ion Ratio Lower Upper
43 100
74 20.9 20.2 30.4



#16
Methylene chloride
Concen: 4.521 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV011804.D
Acq: 02 Jul 2019 12:54

Tgt Ion: 84 Resp: 64121
Ion Ratio Lower Upper
84 100
86 62.6 44.5 82.7
49 140.9 97.2 180.6





#17

Methyl tert-butyl Ether

Concen: 4.994 ug/L

RT: 2.81 min Scan# 534

Delta R.T. -0.00 min

Lab File: VV011804.D

Acq: 02 Jul 2019 12:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD00554

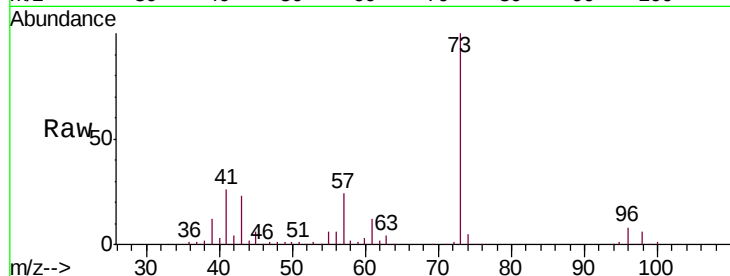
Tgt Ion: 73 Resp: 154285

Ion Ratio Lower Upper

73 100

43 22.6 17.6 26.4

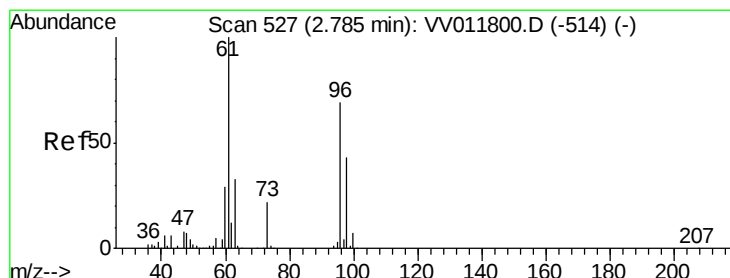
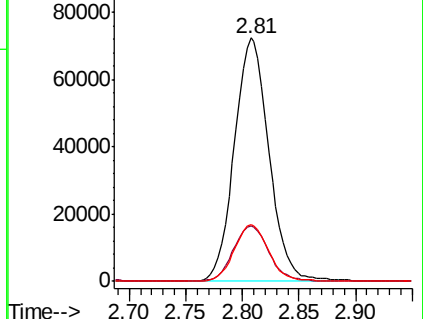
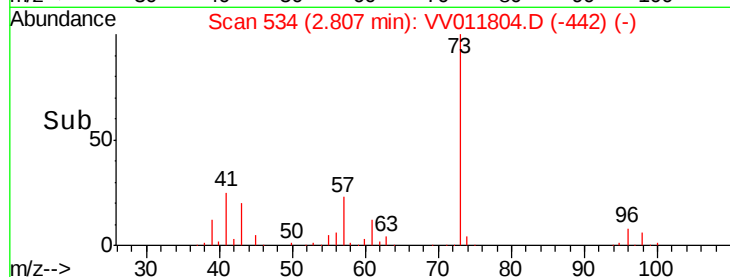
57 23.3 17.8 26.6



Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0



#18

trans-1,2-Dichloroethene

Concen: 5.126 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.00 min

Lab File: VV011804.D

Acq: 02 Jul 2019 12:54

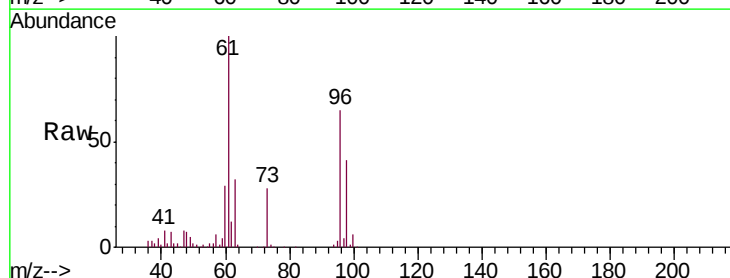
Tgt Ion: 96 Resp: 68844

Ion Ratio Lower Upper

96 100

61 154.8 102.3 189.9

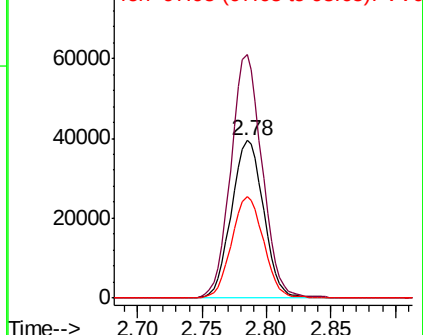
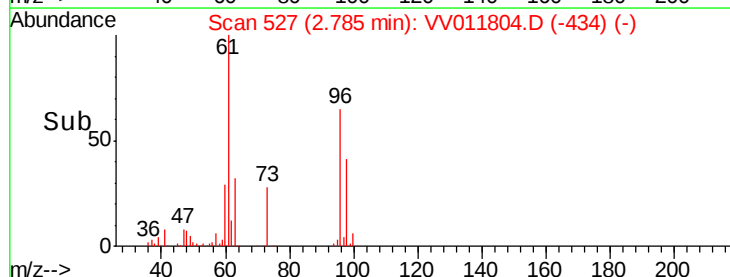
98 64.2 44.2 82.2

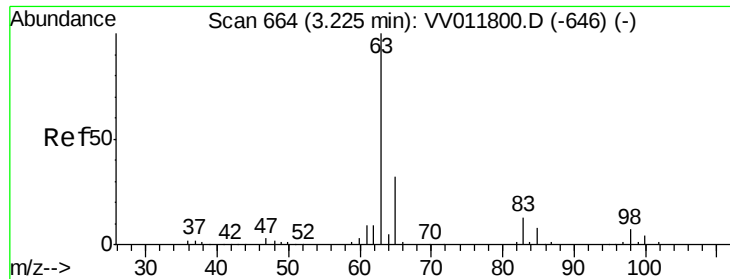


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0

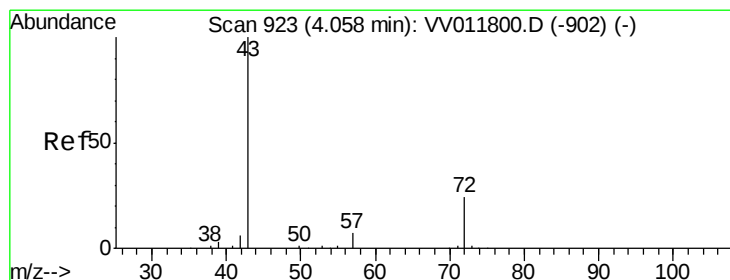
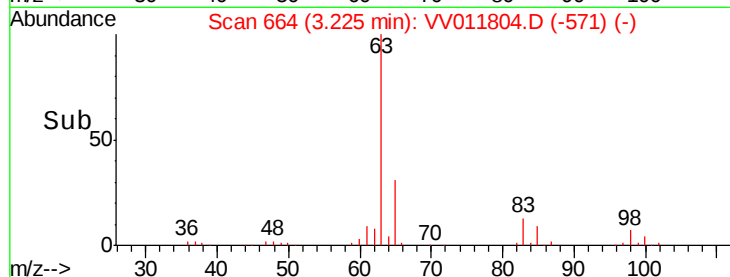
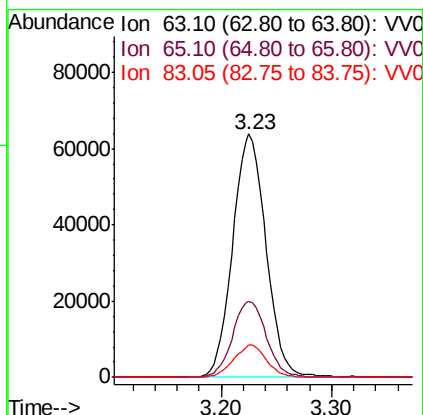
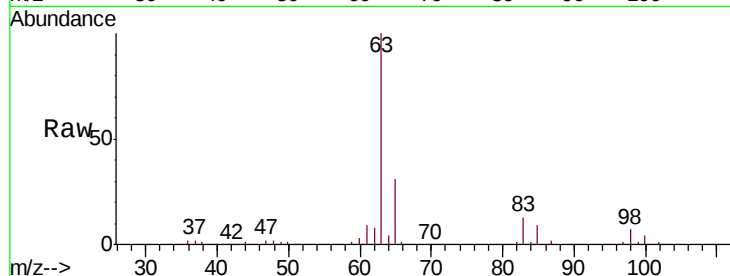




#19
 1,1-Dichloroethane
 Concen: 5.011 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VV011804.D
 Acq: 02 Jul 2019 12:54

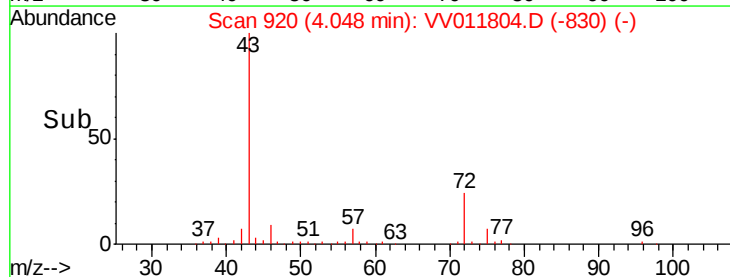
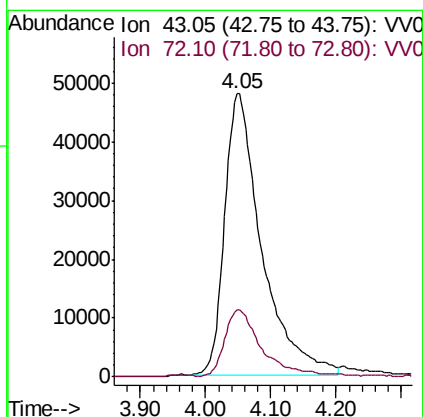
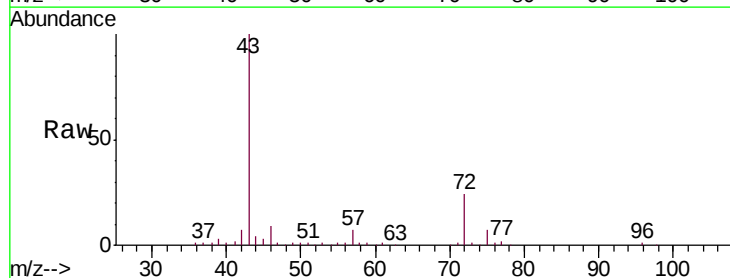
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00554

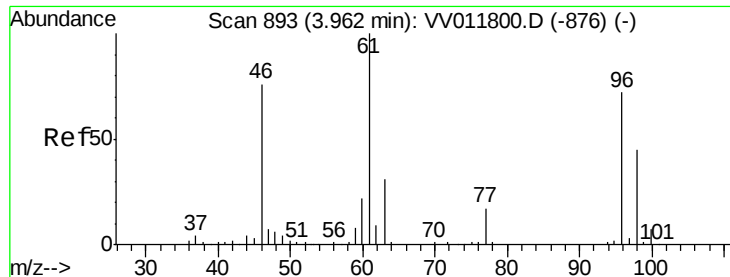
Tgt Ion: 63 Resp: 133335
 Ion Ratio Lower Upper
 63 100
 65 31.4 22.0 41.0
 83 13.1 8.9 16.5



#21
 2-Butanone
 Concen: 51.588 ug/L
 RT: 4.05 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VV011804.D
 Acq: 02 Jul 2019 12:54

Tgt Ion: 43 Resp: 188020
 Ion Ratio Lower Upper
 43 100
 72 23.2 12.1 36.3



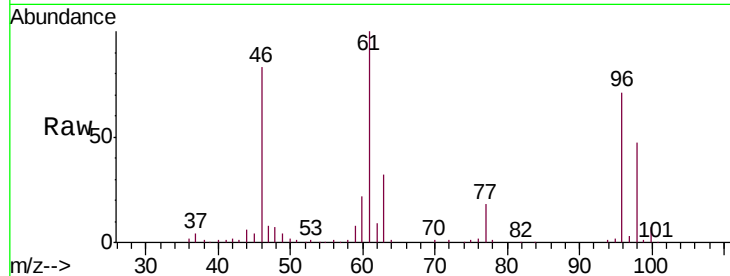


#22

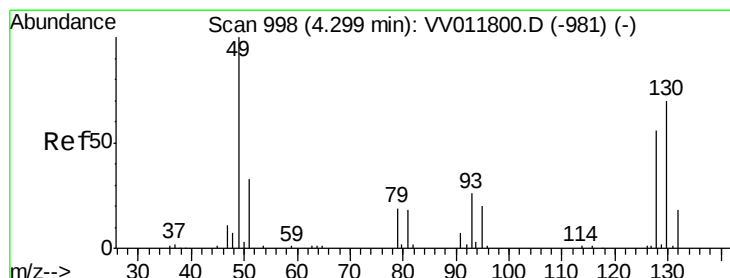
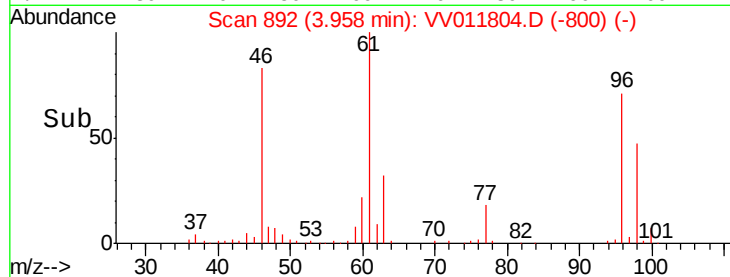
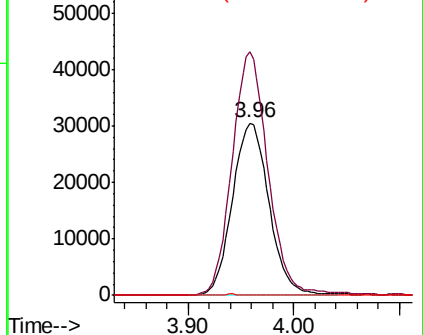
cis-1,2-Dichloroethene
Concen: 5.133 ug/L
RT: 3.96 min Scan# 892
Delta R.T. -0.00 min
Lab File: VV011804.D
Acq: 02 Jul 2019 12:54

Instrument :
MSVOA_V
ClientSampleId :
VSTD00554

Tgt Ion: 96 Resp: 73576
Ion Ratio Lower Upper
96 100
61 141.5 97.1 180.3
68 0.0 0.0 0.0



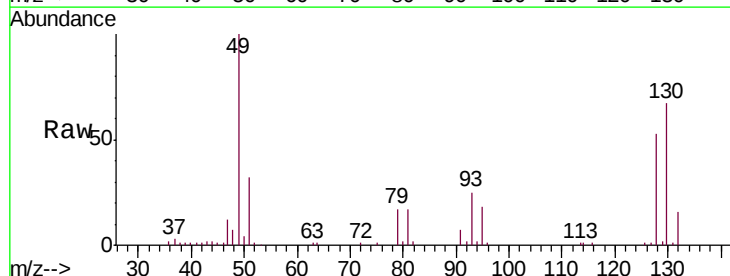
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



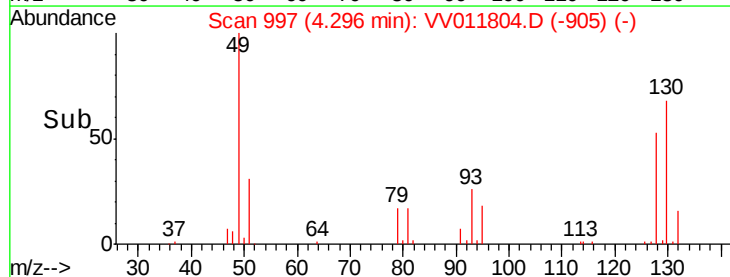
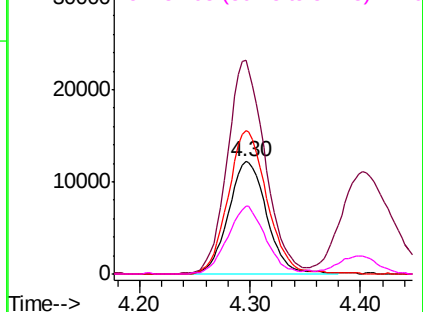
#23

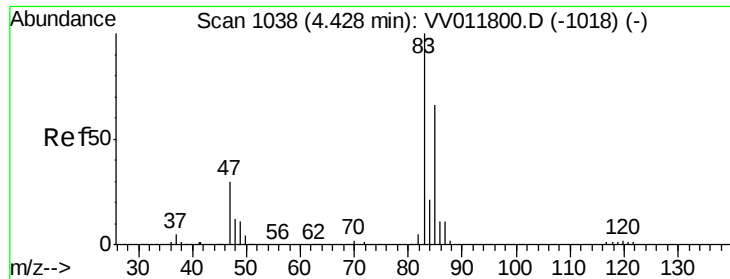
Bromochloromethane
Concen: 4.929 ug/L
RT: 4.30 min Scan# 997
Delta R.T. -0.00 min
Lab File: VV011804.D
Acq: 02 Jul 2019 12:54

Tgt Ion: 128 Resp: 29356
Ion Ratio Lower Upper
128 100
49 190.0 125.6 233.2
130 127.6 87.7 162.9
51 60.2 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

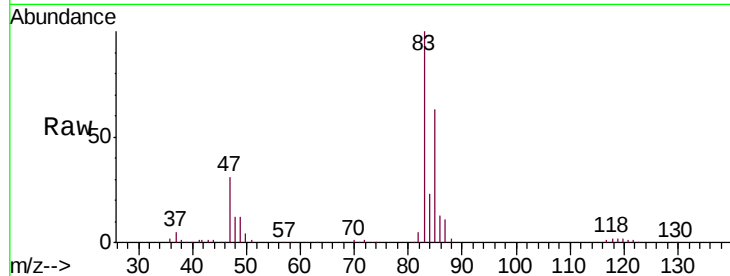




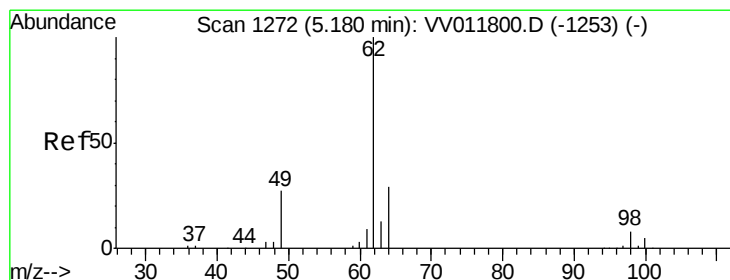
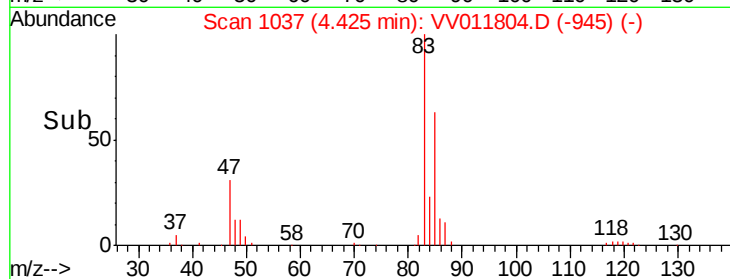
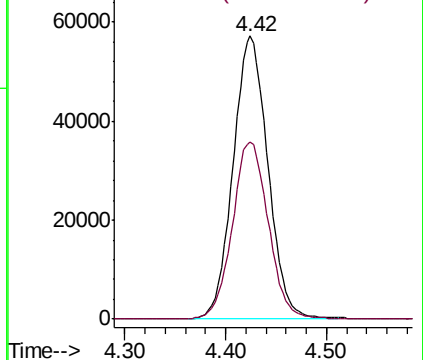
#25
Chloroform
Concen: 4.802 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV011804.D
Acq: 02 Jul 2019 12:54

Instrument :
MSVOA_V
ClientSampleId :
VSTD00554

Tgt Ion: 83 Resp: 136942
Ion Ratio Lower Upper
83 100
85 62.6 45.9 85.3

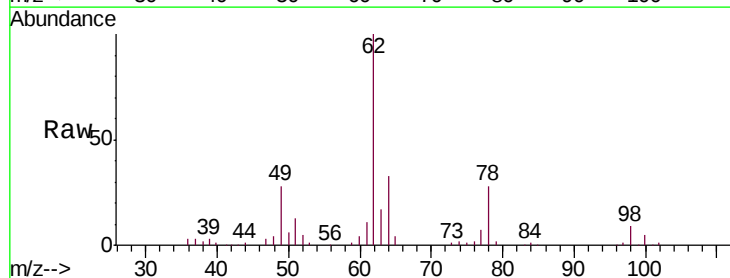


Abundance Ion 83.05 (82.75 to 83.75): VV011804.D (-1018) (-)
Ion 85.00 (84.70 to 85.70): VV011804.D (-1018) (-)

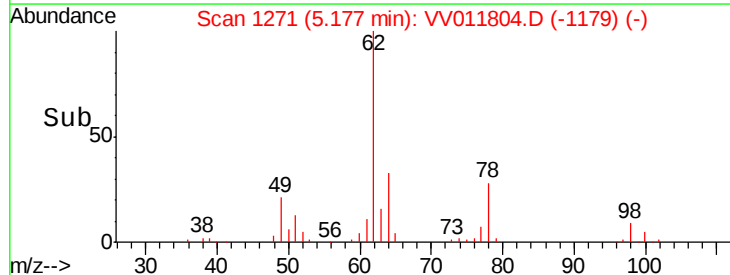
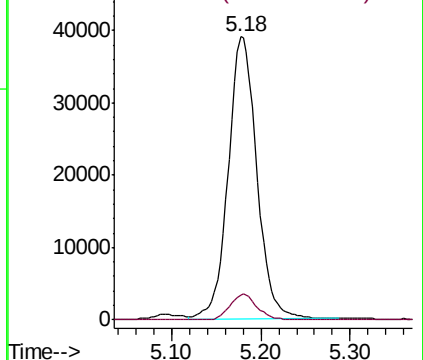


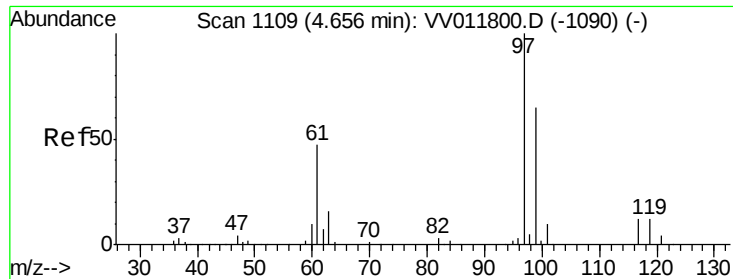
#27
1,2-Dichloroethane
Concen: 4.950 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV011804.D
Acq: 02 Jul 2019 12:54

Tgt Ion: 62 Resp: 87207
Ion Ratio Lower Upper
62 100
98 8.9 6.6 9.8



Abundance Ion 62.00 (61.70 to 62.70): VV011804.D (-1179) (-)
Ion 98.05 (97.75 to 98.75): VV011804.D (-1179) (-)

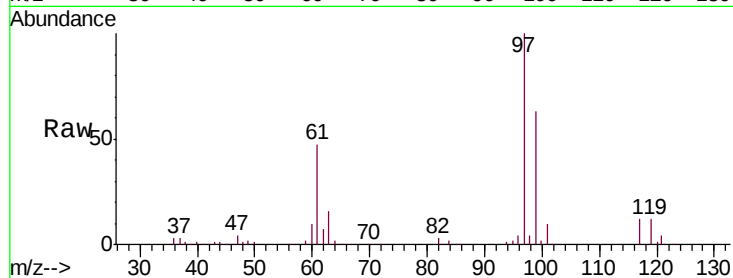




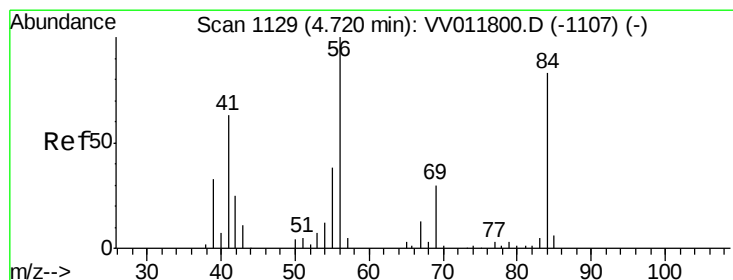
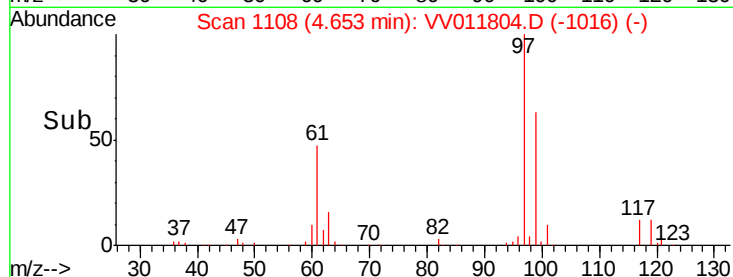
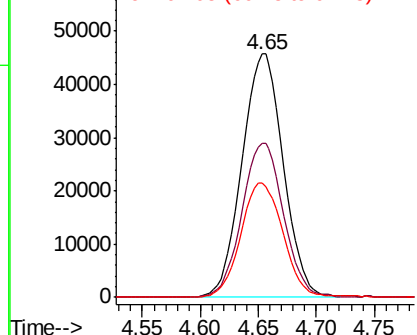
#29
 1,1,1-Trichloroethane
 Concen: 5.121 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. -0.00 min
 Lab File: VV011804.D
 Acq: 02 Jul 2019 12:54

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00554

Tgt Ion: 97 Resp: 113424
 Ion Ratio Lower Upper
 97 100
 99 64.0 52.2 78.4
 61 47.8 38.5 57.7

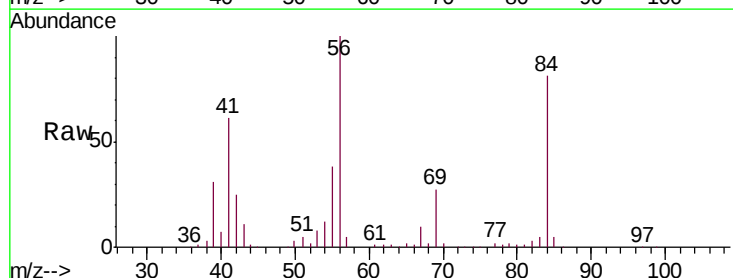


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

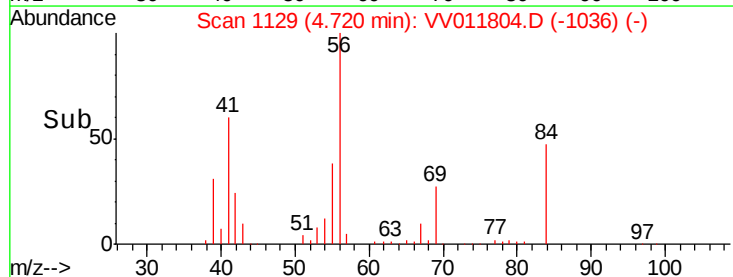
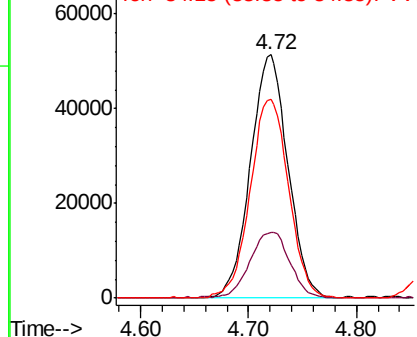


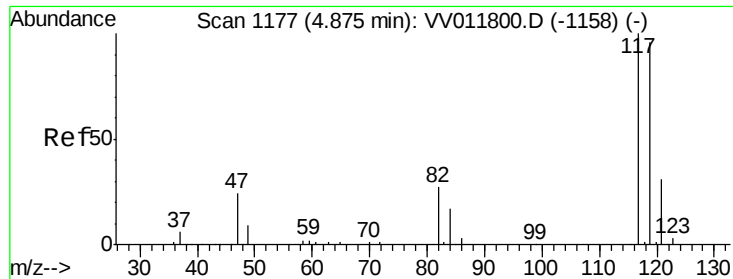
#30
 Cyclohexane
 Concen: 5.247 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. -0.00 min
 Lab File: VV011804.D
 Acq: 02 Jul 2019 12:54

Tgt Ion: 56 Resp: 124046
 Ion Ratio Lower Upper
 56 100
 69 28.9 23.5 35.3
 84 83.8 67.6 101.4



Abundance Ion 56.10 (55.80 to 56.80): VV0
 Ion 69.15 (68.85 to 69.85): VV0
 Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 5.108 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV011804.D

Acq: 02 Jul 2019 12:54

Instrument :

MSVOA_V

ClientSampleId :

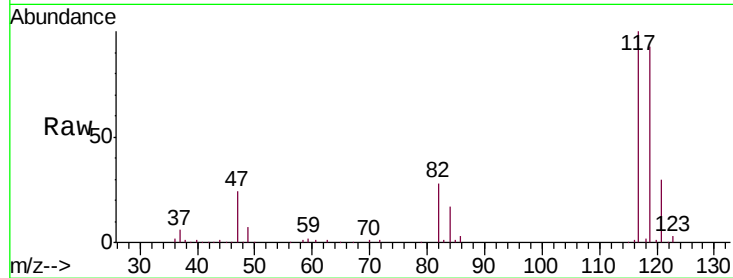
VSTD00554

Tgt Ion:117 Resp: 97045

Ion Ratio Lower Upper

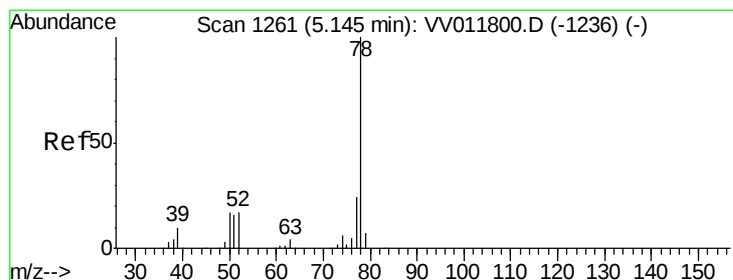
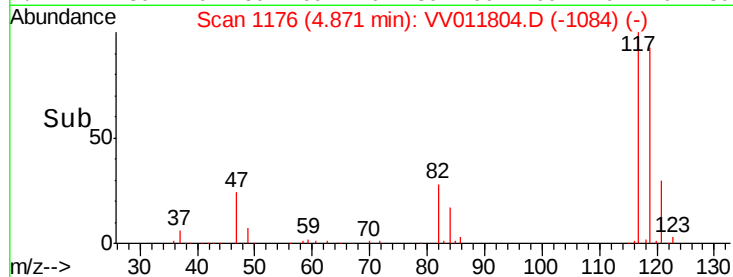
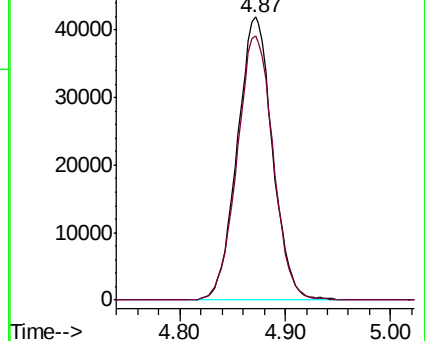
117 100

119 95.8 77.0 115.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.208 ug/L

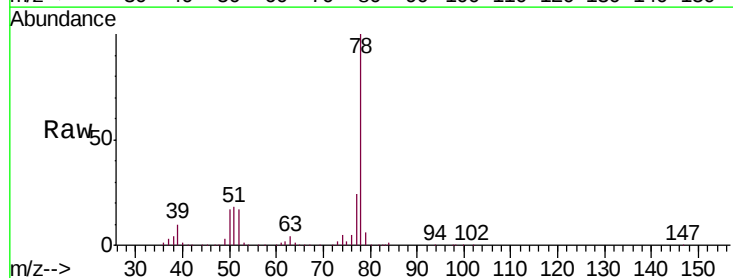
RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

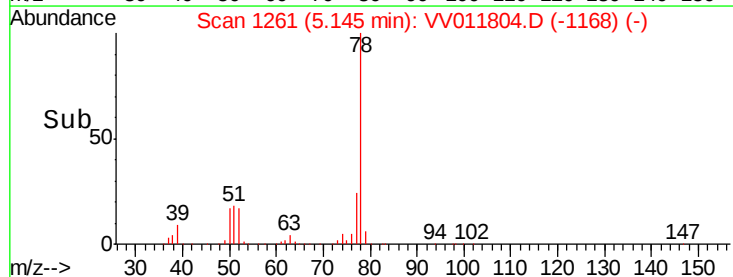
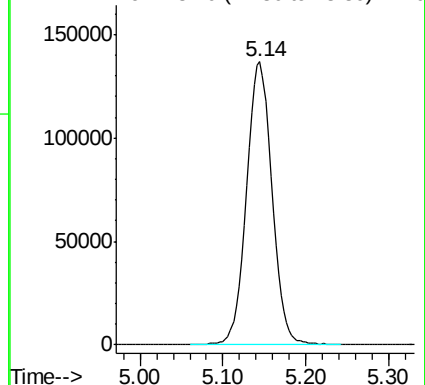
Lab File: VV011804.D

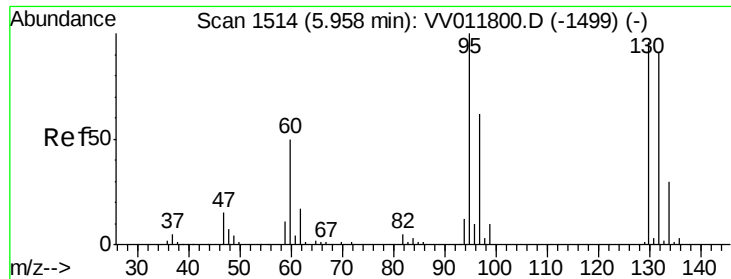
Acq: 02 Jul 2019 12:54

Tgt Ion: 78 Resp: 292591



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.143 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV011804.D

Acq: 02 Jul 2019 12:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD00554

Tgt Ion: 95 Resp: 75170

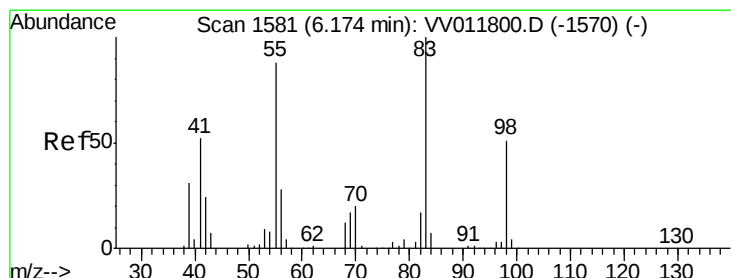
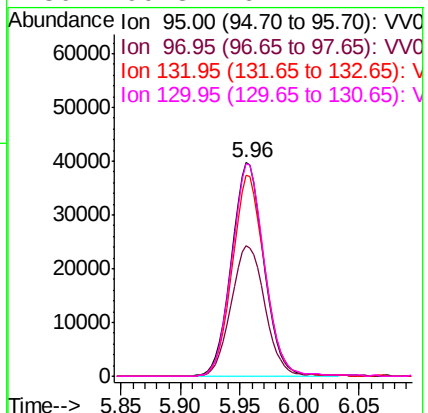
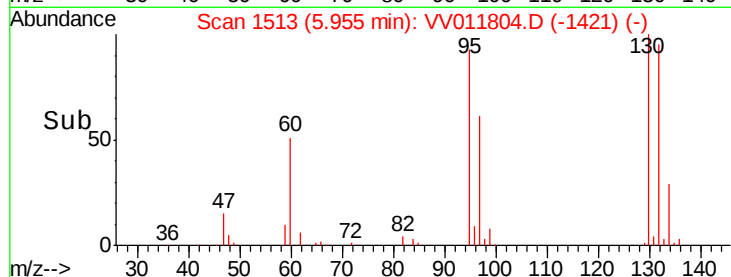
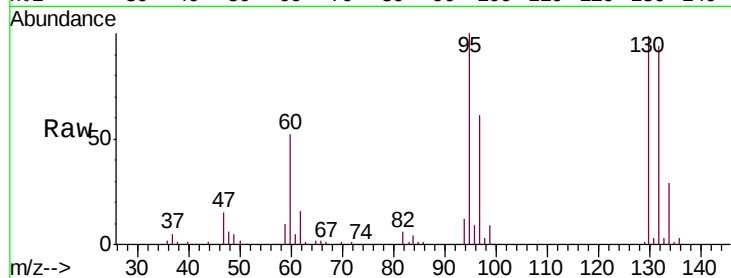
Ion Ratio Lower Upper

95 100

97 61.0 43.7 81.1

132 94.0 63.7 118.3

130 99.3 67.1 124.7



#35

Methylcyclohexane

Concen: 5.275 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV011804.D

Acq: 02 Jul 2019 12:54

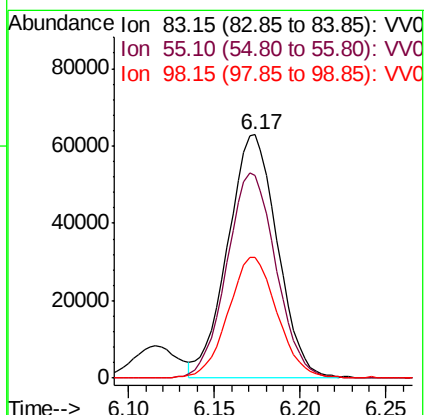
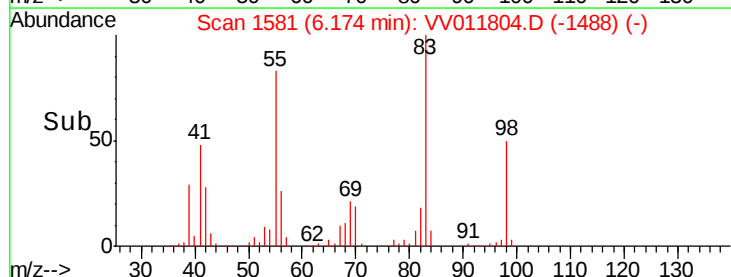
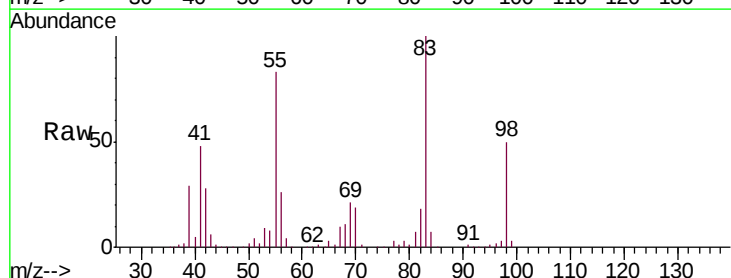
Tgt Ion: 83 Resp: 126184

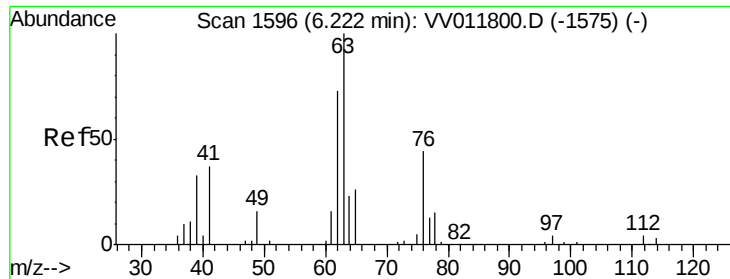
Ion Ratio Lower Upper

83 100

55 83.8 67.8 101.6

98 49.1 39.8 59.8

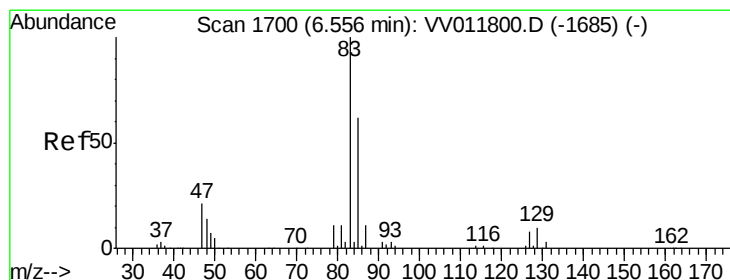
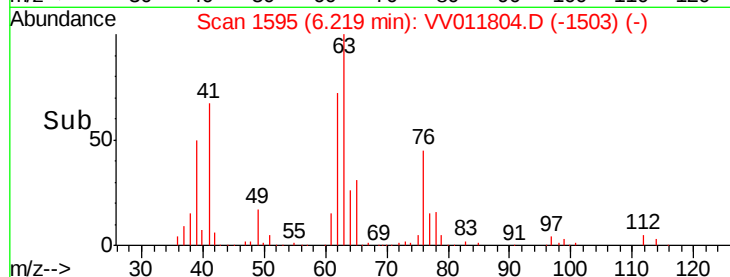
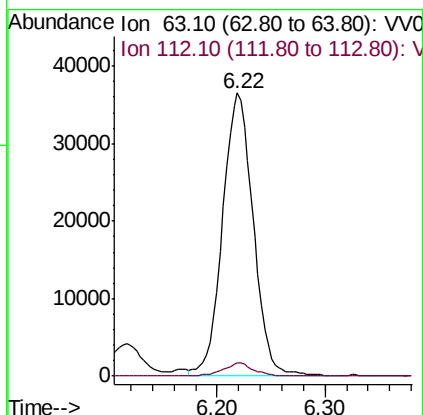
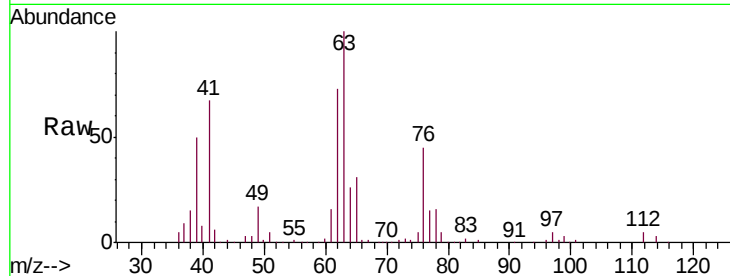




#37
 1,2-Dichloropropane
 Concen: 4.984 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VV011804.D
 Acq: 02 Jul 2019 12:54

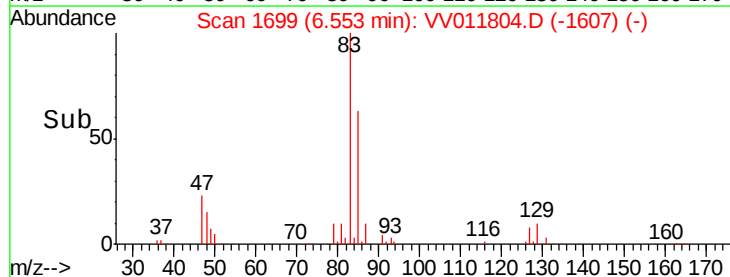
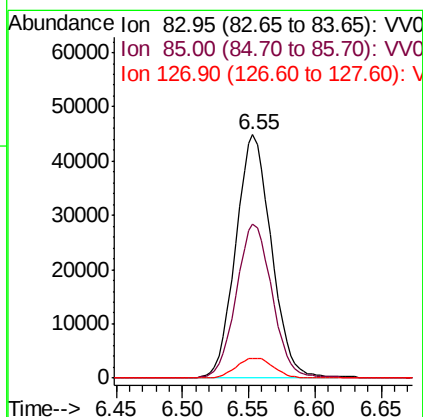
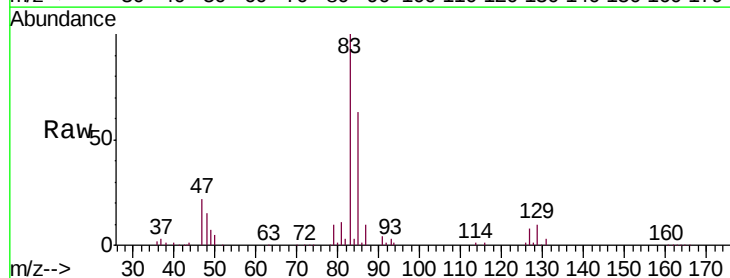
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00554

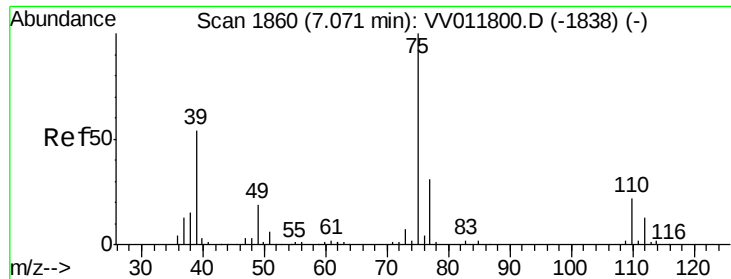
Tgt Ion: 63 Resp: 71702
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.2 4.8



#38
 Bromodichloromethane
 Concen: 5.007 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV011804.D
 Acq: 02 Jul 2019 12:54

Tgt Ion: 83 Resp: 83990
 Ion Ratio Lower Upper
 83 100
 85 63.3 43.1 80.1
 127 8.3 6.2 9.4

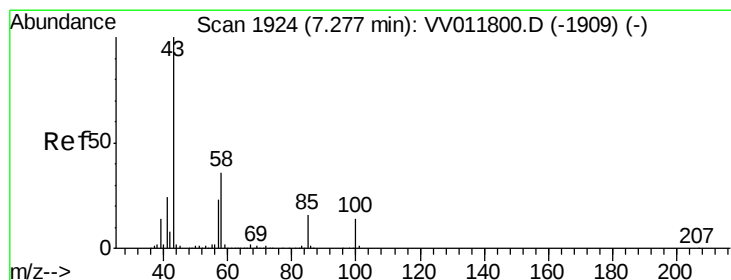
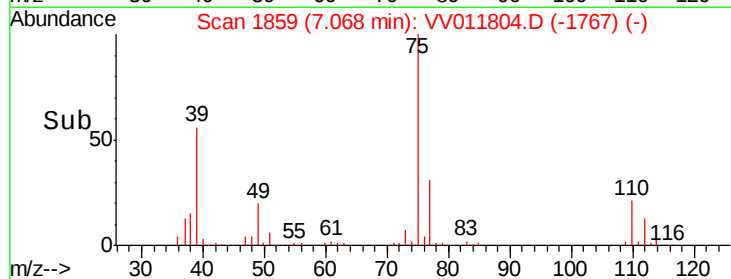
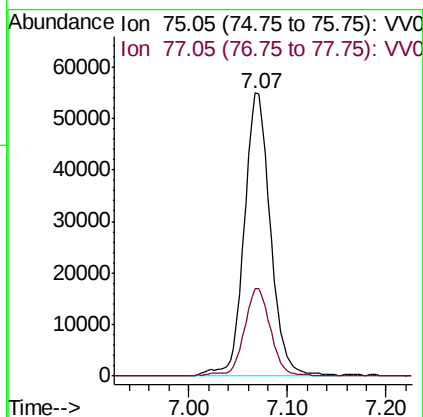
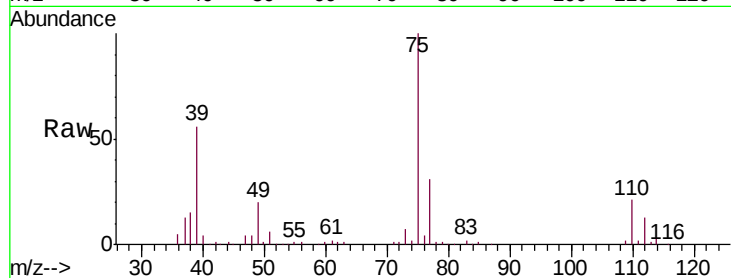




#39
 cis-1,3-Dichloropropene
 Concen: 5.253 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VV011804.D
 Acq: 02 Jul 2019 12:54

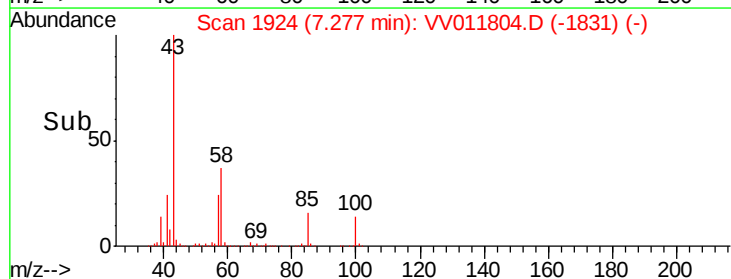
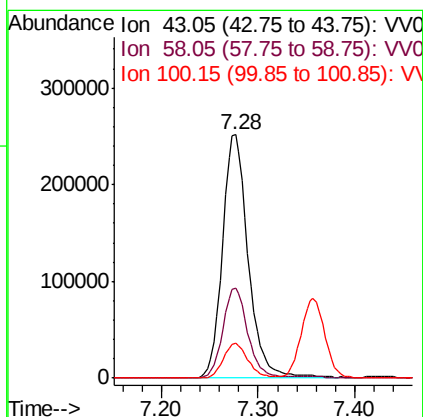
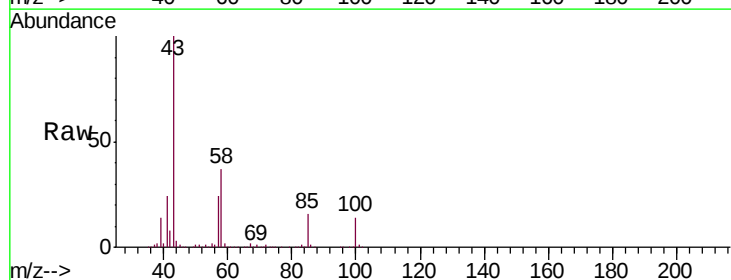
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00554

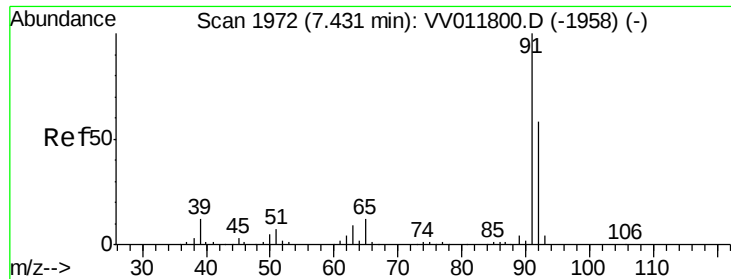
Tgt Ion: 75 Resp: 100807
 Ion Ratio Lower Upper
 75 100
 77 30.8 22.0 40.8



#40
 4-Methyl-2-pentanone
 Concen: 52.189 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV011804.D
 Acq: 02 Jul 2019 12:54

Tgt Ion: 43 Resp: 464871
 Ion Ratio Lower Upper
 43 100
 58 36.0 28.7 43.1
 100 13.8 10.7 16.1





#42

Toluene

Concen: 5.241 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV011804.D

Acq: 02 Jul 2019 12:54

Instrument :

MSVOA_V

ClientSampleId :

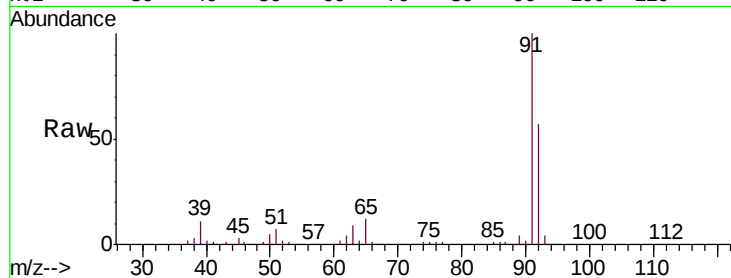
VSTD00554

Tgt Ion: 91 Resp: 311042

Ion Ratio Lower Upper

91 100

92 57.3 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VV011804.D (-1958) (-)

Ion 92.15 (91.85 to 92.85): VV011804.D (-1958) (-)

7.43

200000

150000

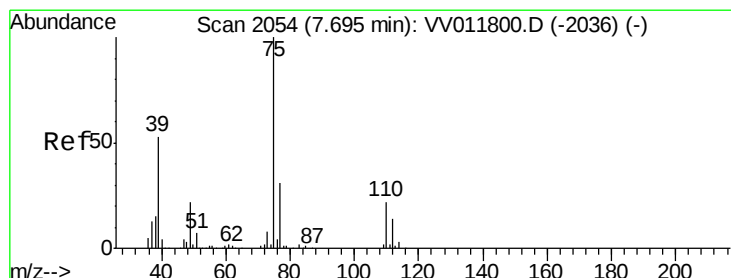
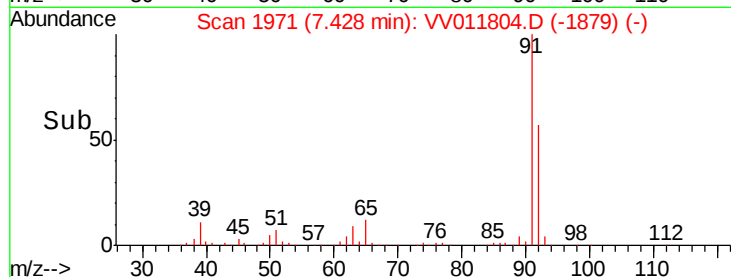
100000

50000

0

7.40 7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.261 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV011804.D

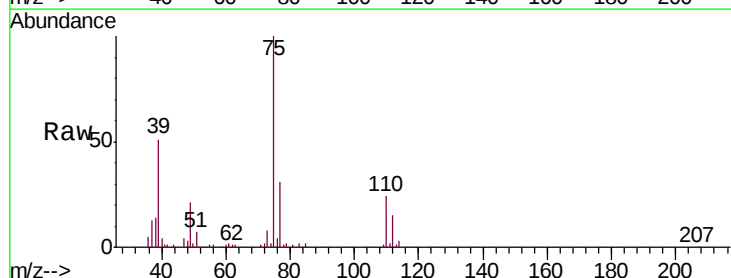
Acq: 02 Jul 2019 12:54

Tgt Ion: 75 Resp: 77896

Ion Ratio Lower Upper

75 100

77 30.9 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VV011804.D (-1961) (-)

Ion 77.05 (76.75 to 77.75): VV011804.D (-1961) (-)

7.69

50000

40000

30000

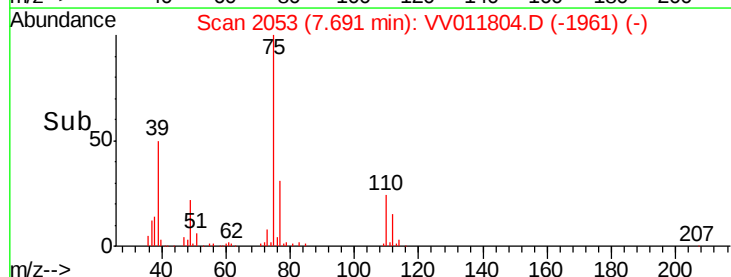
20000

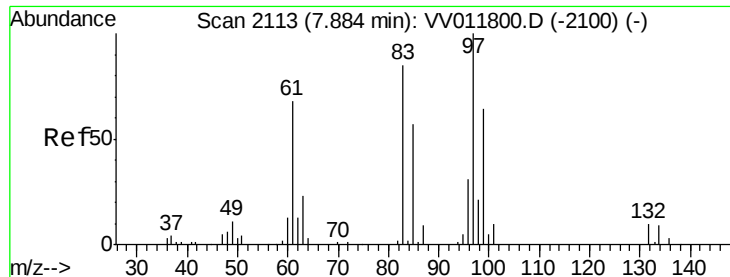
10000

0

7.60 7.65 7.70 7.75

Time-->

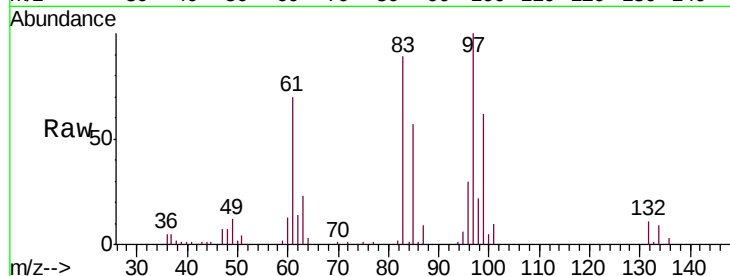




#45
 1,1,2-Trichloroethane
 Concen: 5.017 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV011804.D
 Acq: 02 Jul 2019 12:54

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00554

Tgt Ion:	97	Resp:	46312
Ion	Ratio	Lower	Upper
97	100		
99	62.1	44.9	83.5
83	88.8	59.6	110.8
85	57.4	40.1	74.5



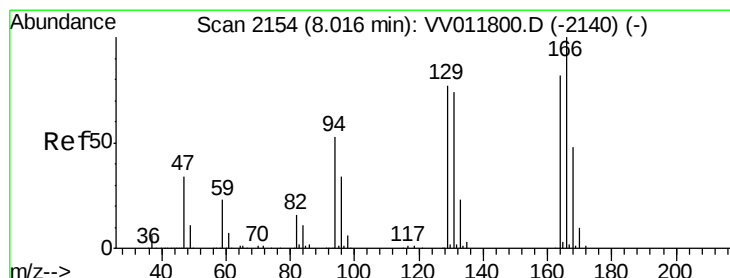
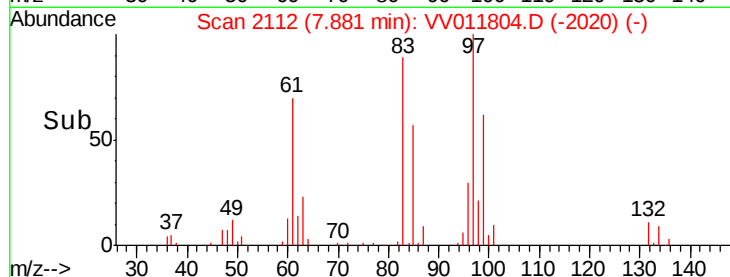
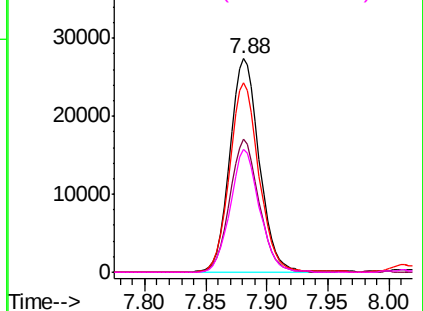
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

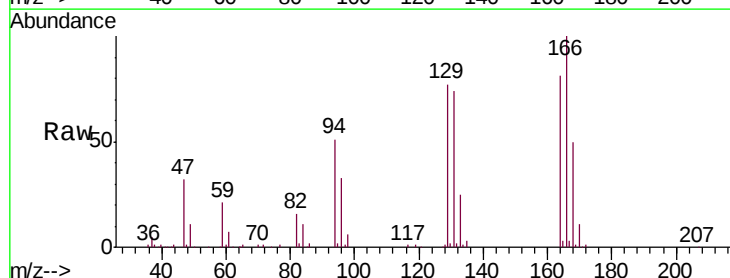
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
 Tetrachloroethene
 Concen: 5.150 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV011804.D
 Acq: 02 Jul 2019 12:54

Tgt Ion:	164	Resp:	59240
Ion	Ratio	Lower	Upper
164	100		
129	95.8	65.7	121.9
131	91.5	63.2	117.4
166	124.2	85.8	159.3



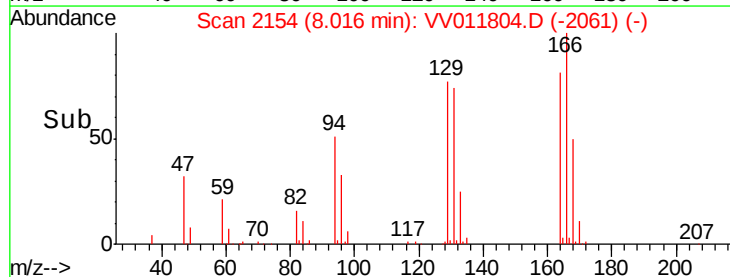
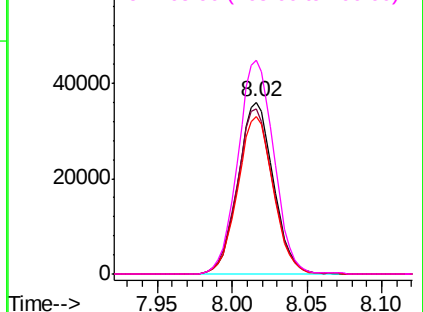
Abundance

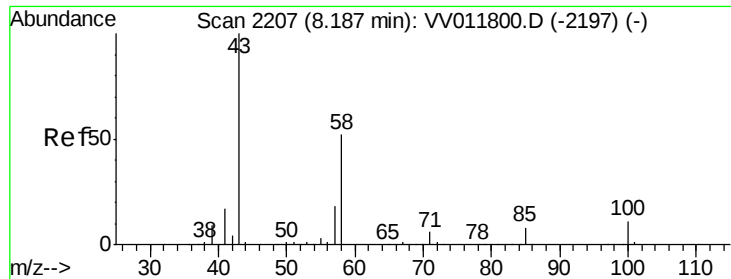
Ion 163.90 (163.60 to 164.60): V

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

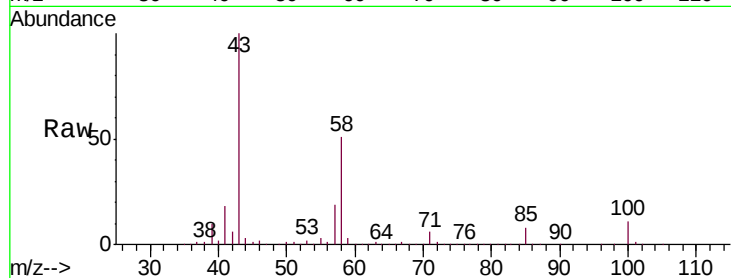




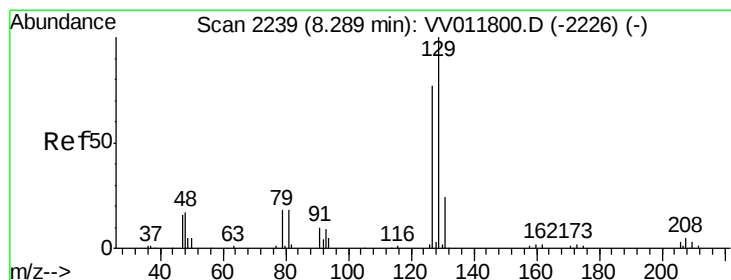
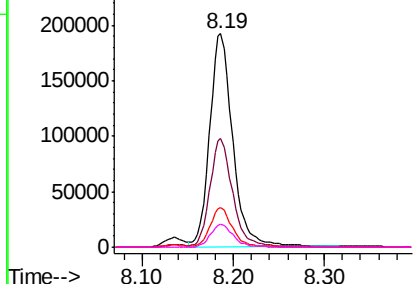
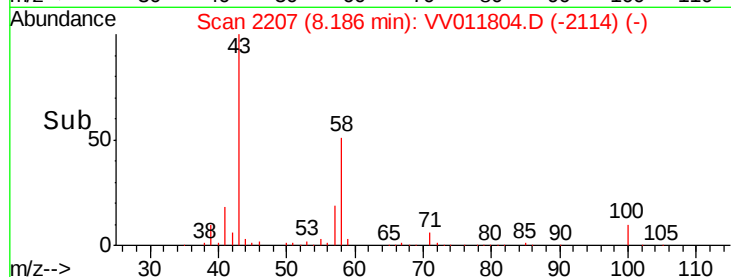
#48
2-Hexanone
Concen: 53.749 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VV011804.D
Acq: 02 Jul 2019 12:54

Instrument :
MSVOA_V
ClientSampleId :
VSTD00554

Tgt Ion: 43 Resp: 337966
Ion Ratio Lower Upper
43 100
58 49.9 40.9 61.3
57 17.7 14.3 21.5
100 11.0 8.7 13.1

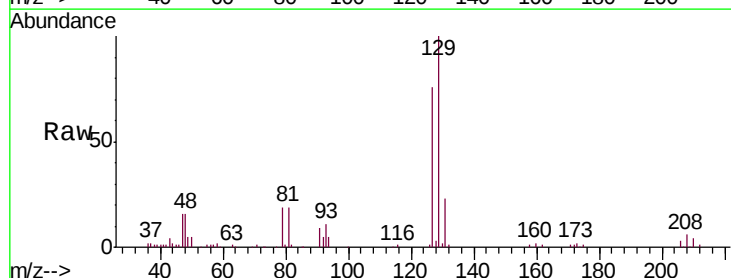


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

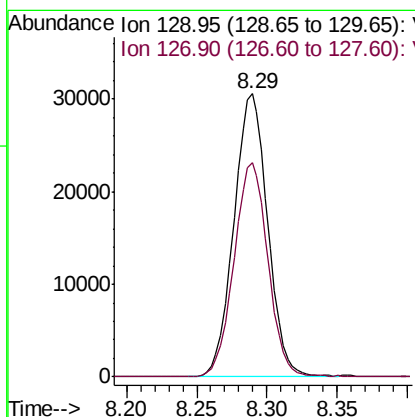
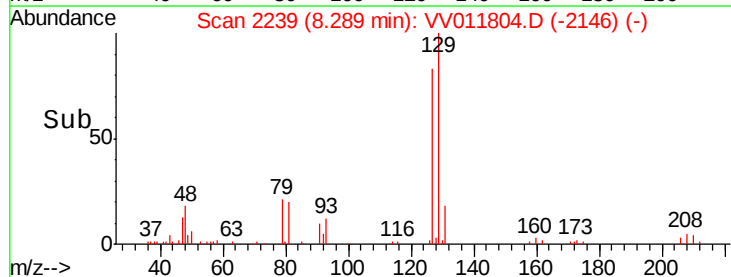


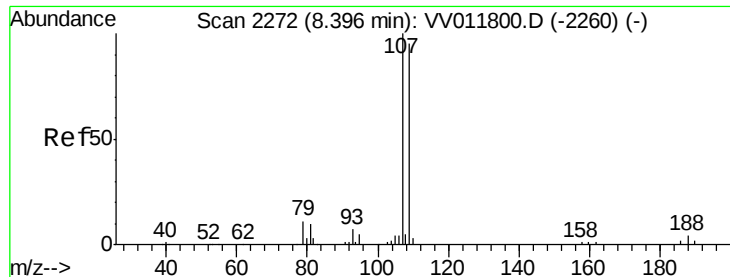
#49
Dibromochloromethane
Concen: 5.245 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV011804.D
Acq: 02 Jul 2019 12:54

Tgt Ion: 129 Resp: 51393
Ion Ratio Lower Upper
129 100
127 75.9 53.9 100.1



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

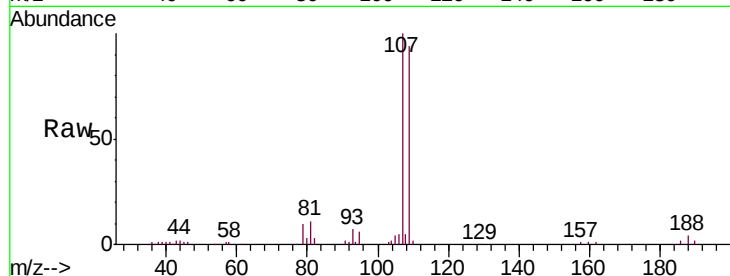




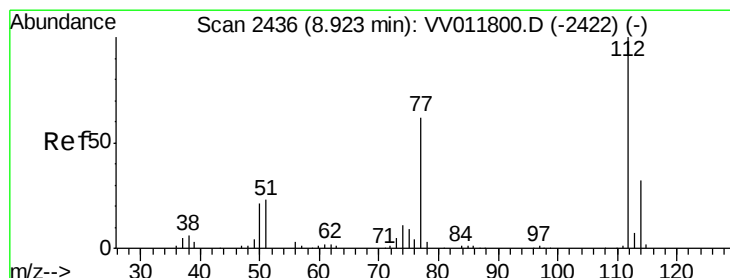
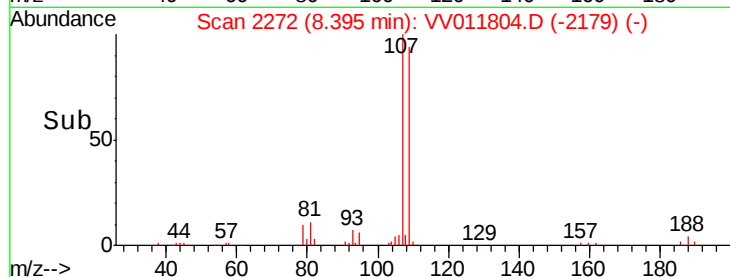
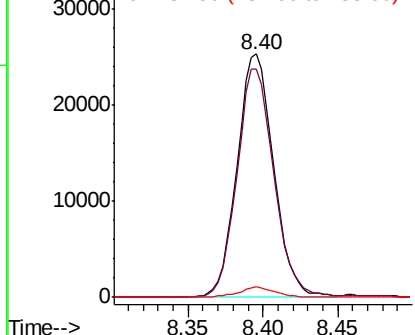
#50
1,2-Dibromoethane
Concen: 5.047 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VV011804.D
Acq: 02 Jul 2019 12:54

Instrument :
MSVOA_V
ClientSampleId :
VSTD00554

Tgt Ion:107 Resp: 43265
Ion Ratio Lower Upper
107 100
109 93.9 66.8 124.2
188 4.3 3.0 4.6

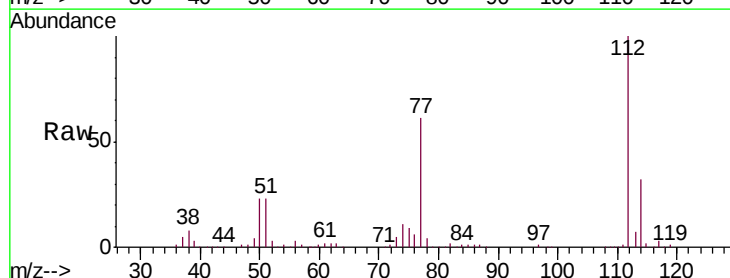


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

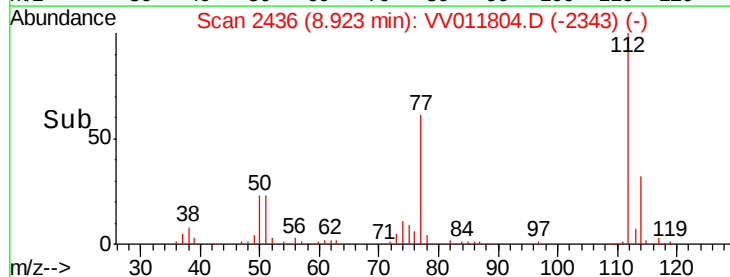
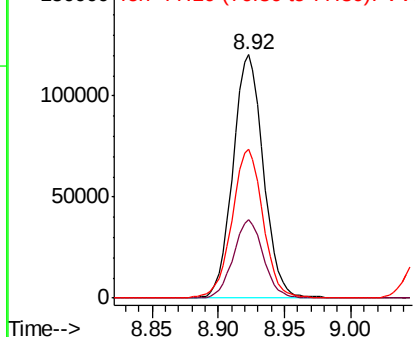


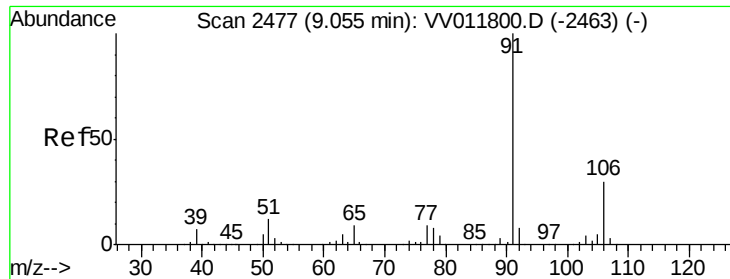
#51
Chlorobenzene
Concen: 5.126 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV011804.D
Acq: 02 Jul 2019 12:54

Tgt Ion:112 Resp: 192096
Ion Ratio Lower Upper
112 100
114 32.1 22.7 42.3
77 61.2 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: 5.227 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV011804.D

Acq: 02 Jul 2019 12:54

Instrument :

MSVOA_V

ClientSampleId :

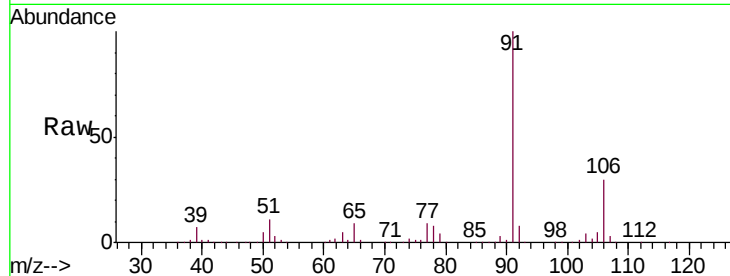
VSTD00554

Tgt Ion: 91 Resp: 344861

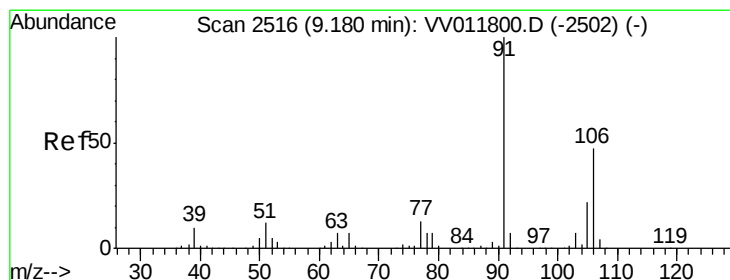
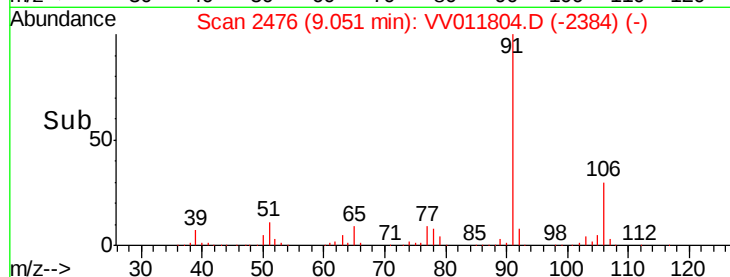
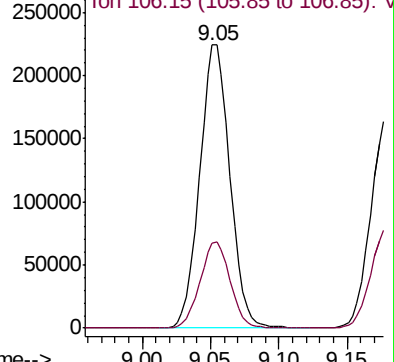
Ion Ratio Lower Upper

91 100

106 30.2 20.8 38.6



Abundance Ion 91.15 (90.85 to 91.85): VV011804.D (-2463) (-)



#53

m,p-xylene

Concen: 5.333 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV011804.D

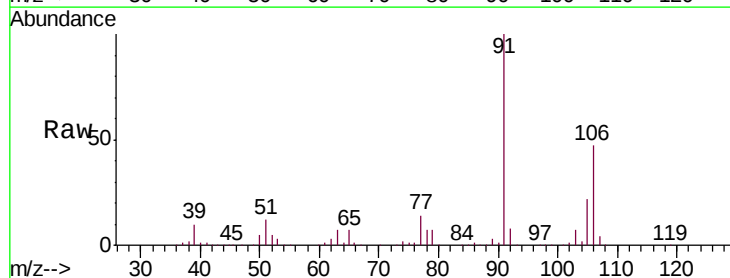
Acq: 02 Jul 2019 12:54

Tgt Ion: 106 Resp: 128676

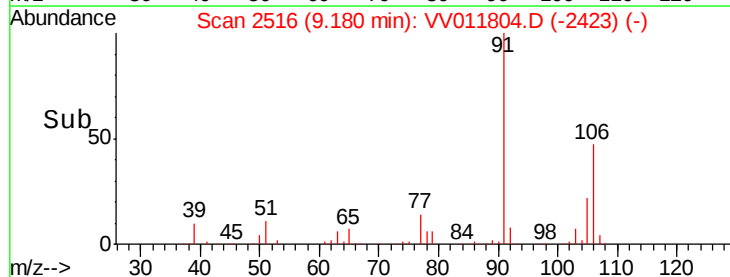
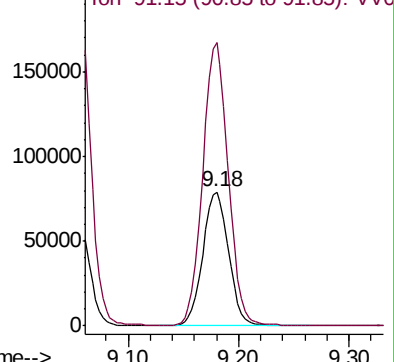
Ion Ratio Lower Upper

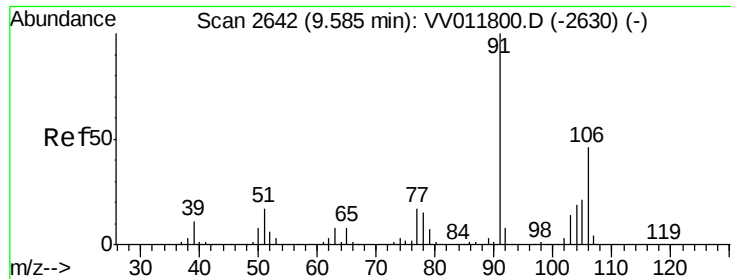
106 100

91 211.2 148.2 275.2



Abundance Ion 106.15 (105.85 to 106.85): VV011804.D (-2502) (-)





#54

o-xylene

Concen: 5.310 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV011804.D

Acq: 02 Jul 2019 12:54

Instrument :

MSVOA_V

ClientSampleId :

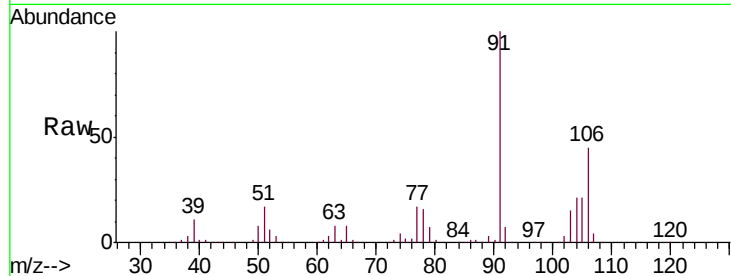
VSTD00554

Tgt Ion:106 Resp: 123461

Ion Ratio Lower Upper

106 100

91 219.8 153.2 284.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0

200000

150000

100000

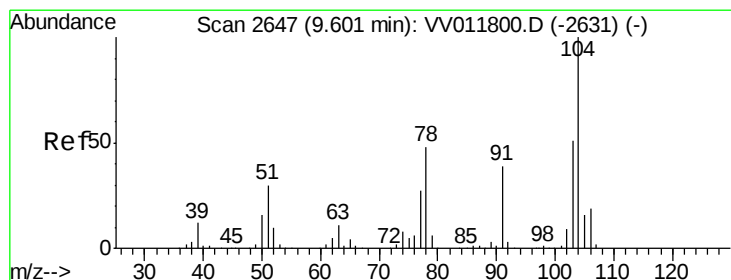
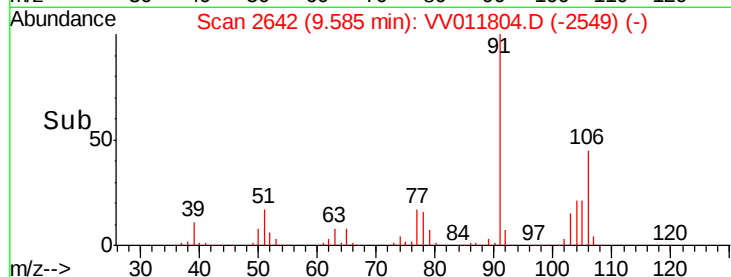
50000

0

9.59

9.55 9.60 9.65

Time-->



#55

Styrene

Concen: 5.383 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. -0.00 min

Lab File: VV011804.D

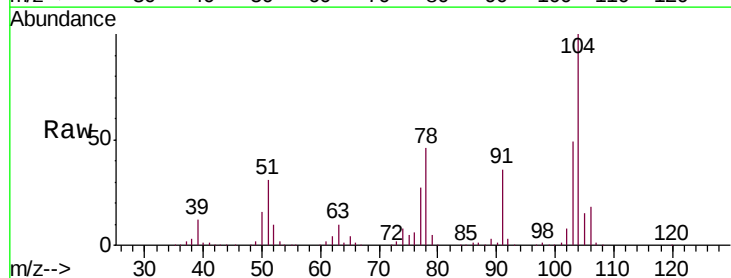
Acq: 02 Jul 2019 12:54

Tgt Ion:104 Resp: 208785

Ion Ratio Lower Upper

104 100

78 45.9 33.4 62.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0

150000

100000

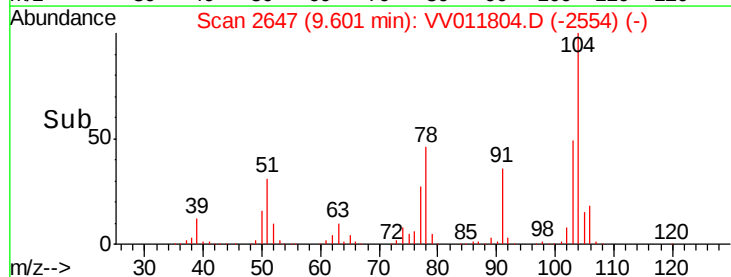
50000

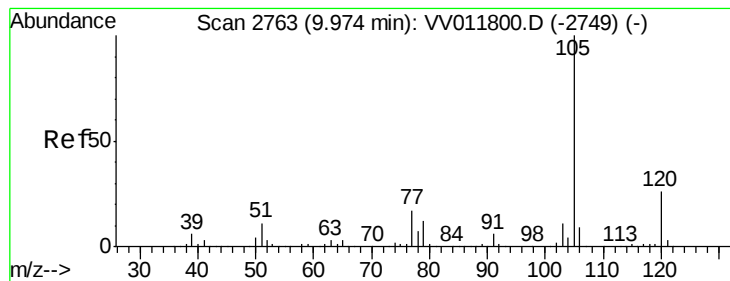
0

9.60

9.55 9.60 9.65 9.70

Time-->





#56

Isopropylbenzene

Concen: 5.358 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV011804.D

Acq: 02 Jul 2019 12:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD00554

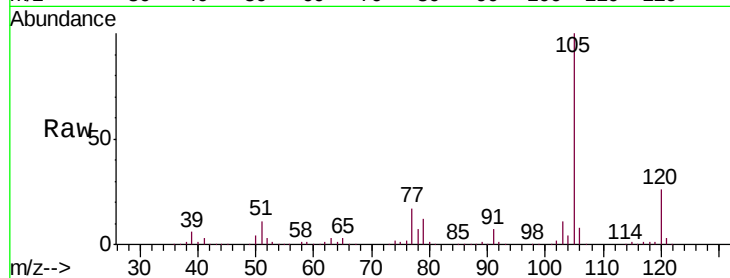
Tgt Ion: 105 Resp: 337078

Ion Ratio Lower Upper

105 100

120 25.7 21.2 31.8

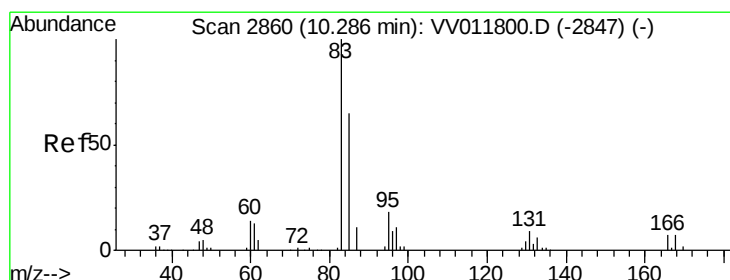
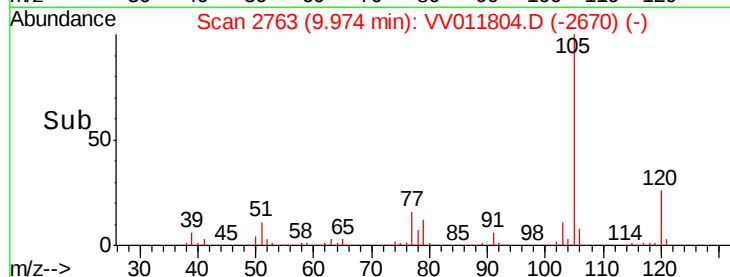
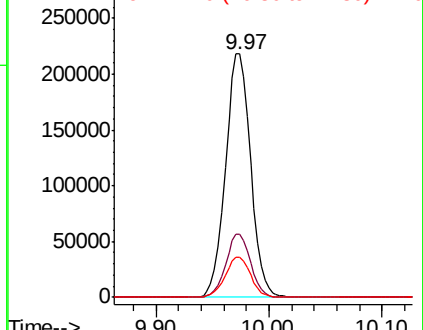
77 16.8 13.5 20.3



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: 5.004 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV011804.D

Acq: 02 Jul 2019 12:54

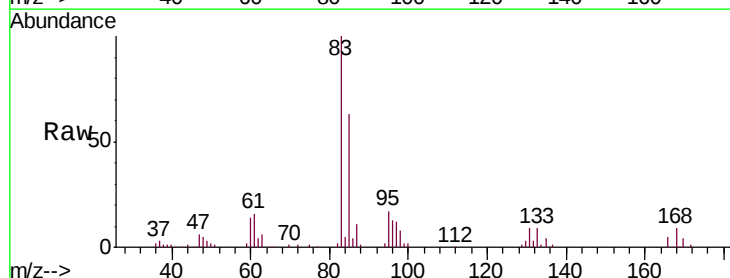
Tgt Ion: 83 Resp: 56565

Ion Ratio Lower Upper

83 100

85 62.9 46.1 85.7

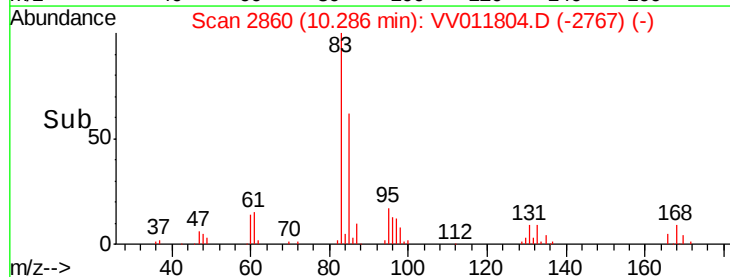
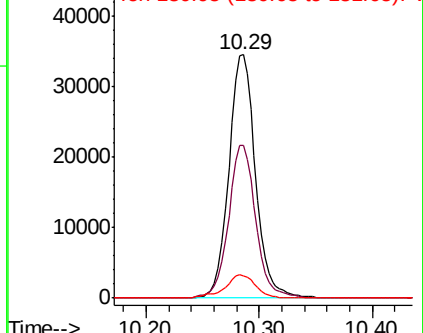
131 9.2 7.8 11.6

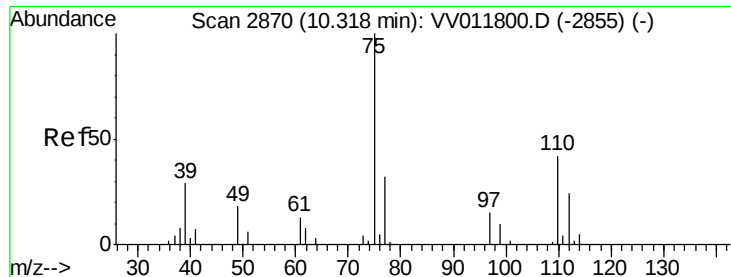


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.944 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VV011804.D

Acq: 02 Jul 2019 12:54

Instrument :

MSVOA_V

ClientSampled :

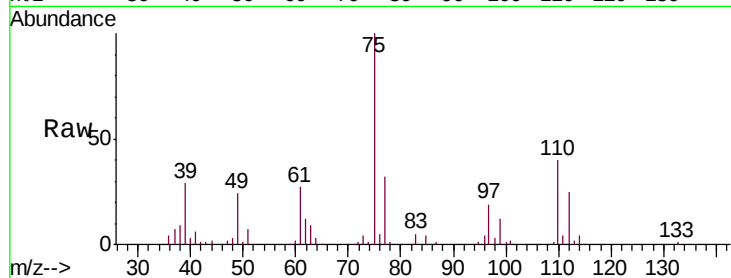
VSTD00554

Tgt Ion: 75 Resp: 41154

Ion Ratio Lower Upper

75 100

77 32.4 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) (-)

10.32

25000

20000

15000

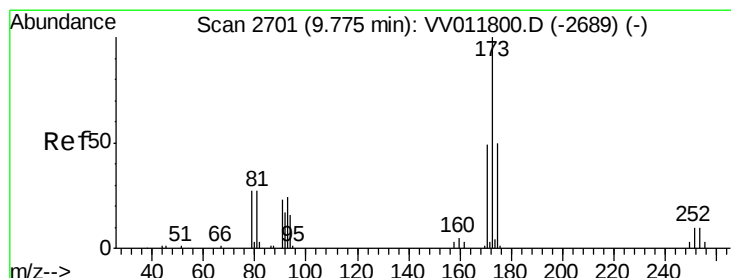
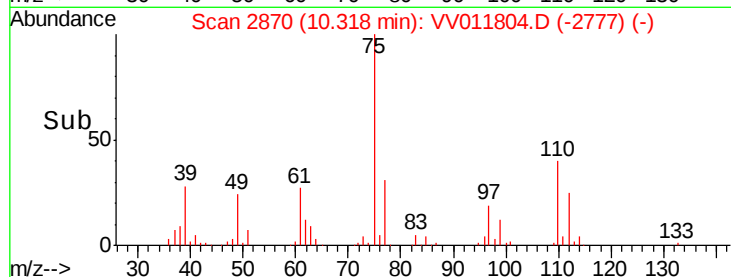
10000

5000

0

Time-->

10.25 10.30 10.35 10.40



#61

Bromoform

Concen: 4.925 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VV011804.D

Acq: 02 Jul 2019 12:54

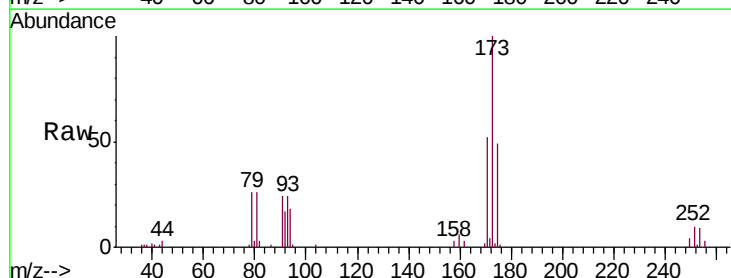
Tgt Ion: 173 Resp: 23905

Ion Ratio Lower Upper

173 100

175 48.1 38.1 57.1

254 9.6 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) (-)

9.77

20000

15000

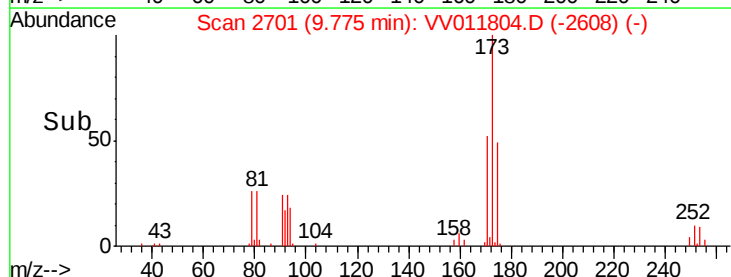
10000

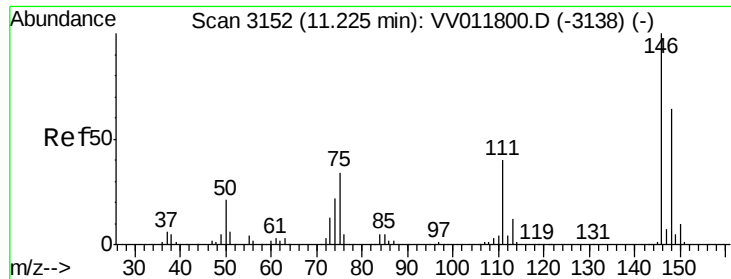
5000

0

Time-->

9.70 9.75 9.80 9.85





#62

1,3-Dichlorobenzene

Concen: 5.248 ug/L

RT: 11.22 min Scan# 3152

Delta R.T. -0.00 min

Lab File: VV011804.D

Acq: 02 Jul 2019 12:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD00554

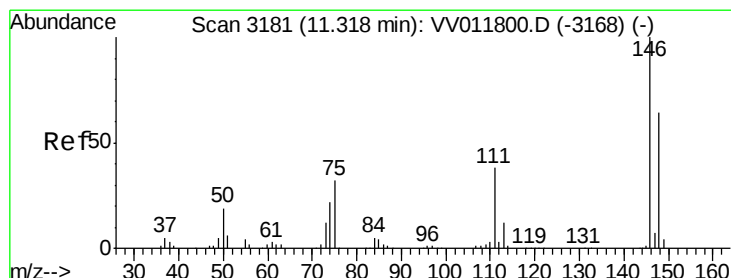
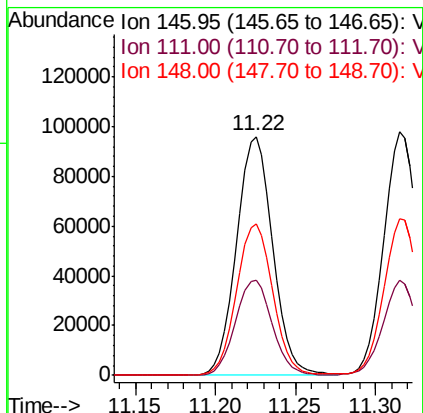
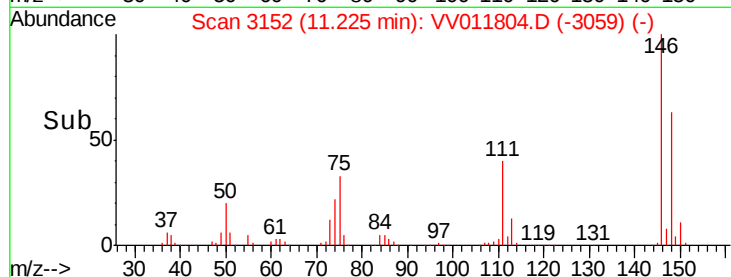
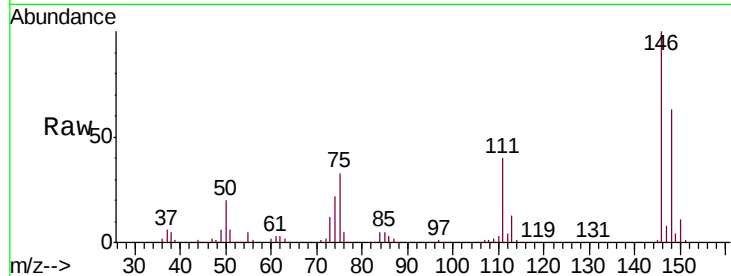
Tgt Ion:146 Resp: 147676

Ion Ratio Lower Upper

146 100

111 39.8 28.1 52.1

148 63.3 44.7 83.1



#63

1,4-Dichlorobenzene

Concen: 5.261 ug/L

RT: 11.31 min Scan# 3180

Delta R.T. -0.00 min

Lab File: VV011804.D

Acq: 02 Jul 2019 12:54

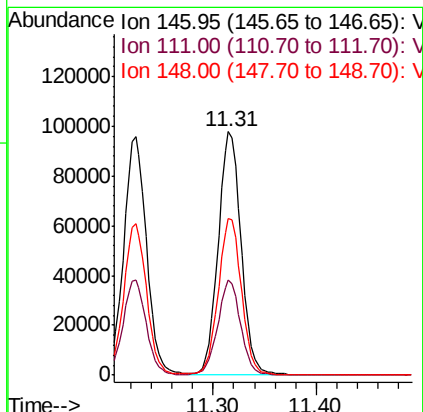
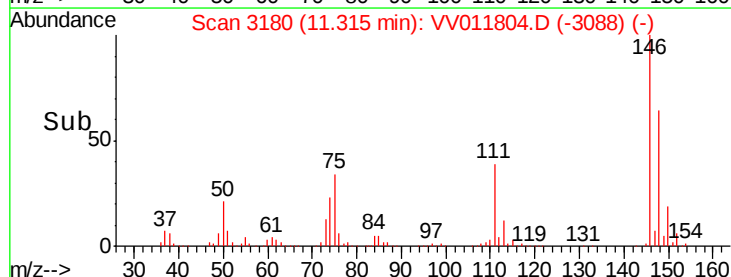
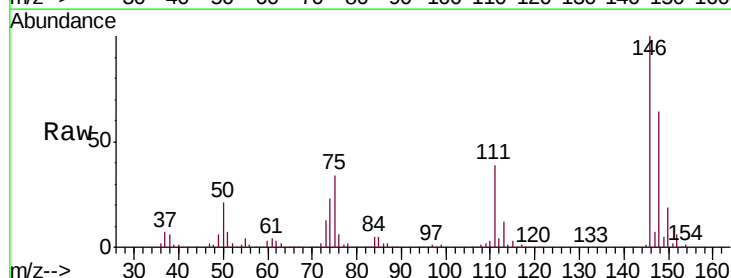
Tgt Ion:146 Resp: 151221

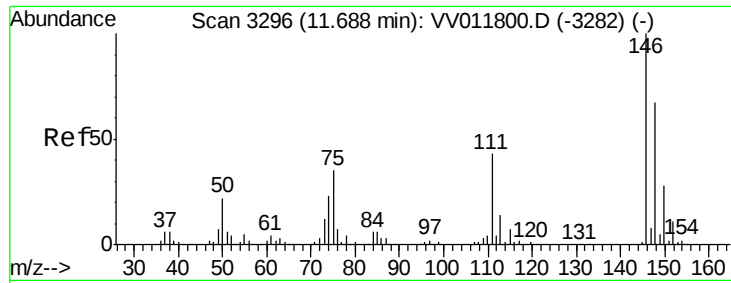
Ion Ratio Lower Upper

146 100

111 39.0 27.2 50.4

148 64.5 45.1 83.7





#65

1,2-Dichlorobenzene

Concen: 5.180 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. -0.00 min

Lab File: VV011804.D

Acq: 02 Jul 2019 12:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD00554

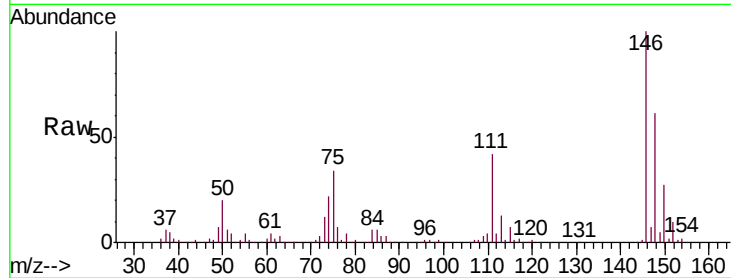
Tgt Ion: 146 Resp: 137707

Ion Ratio Lower Upper

146 100

111 41.8 34.6 52.0

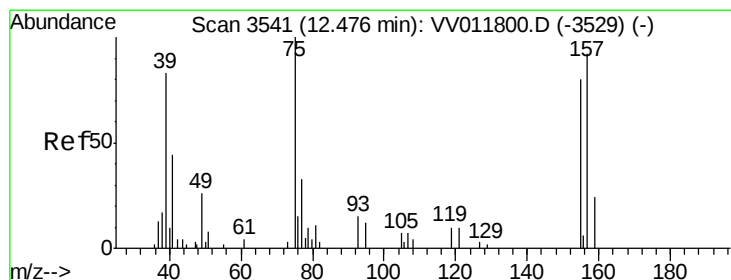
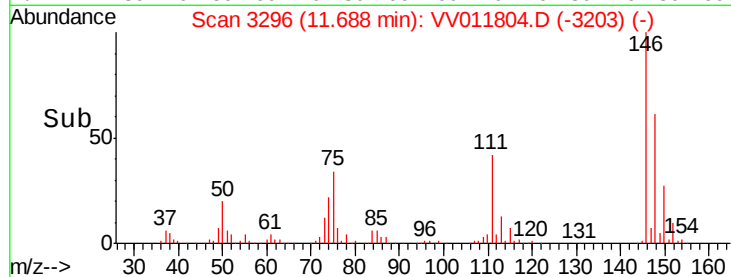
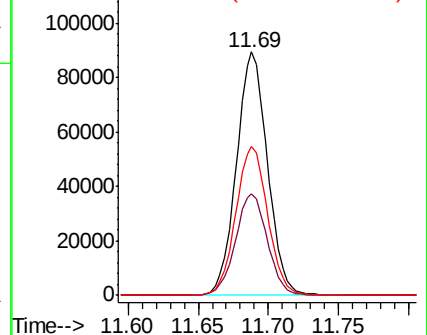
148 61.0 53.3 79.9



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: 4.977 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. -0.00 min

Lab File: VV011804.D

Acq: 02 Jul 2019 12:54

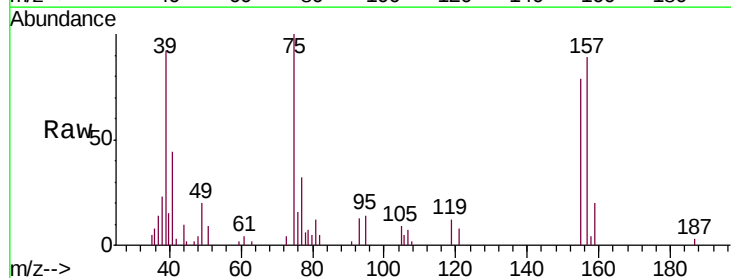
Tgt Ion: 75 Resp: 8391

Ion Ratio Lower Upper

75 100

155 79.4 64.2 96.4

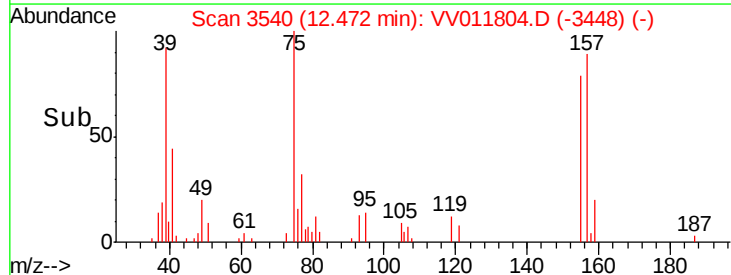
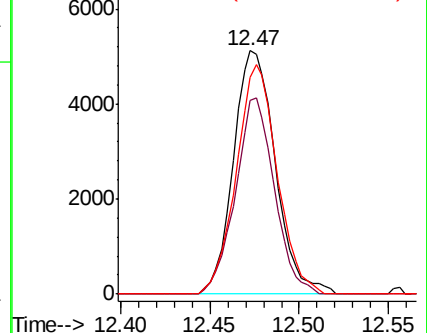
157 89.0 73.6 110.4

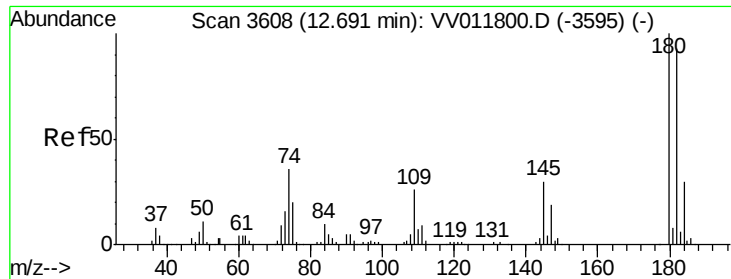


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

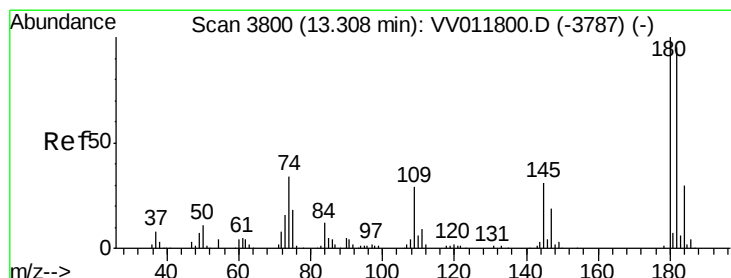
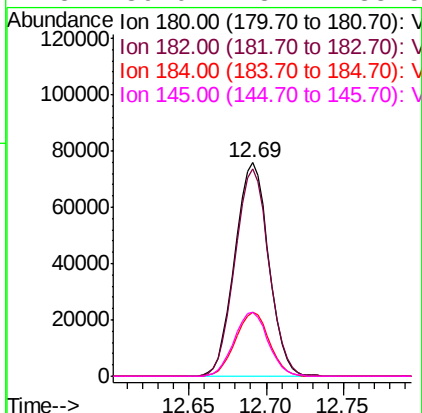
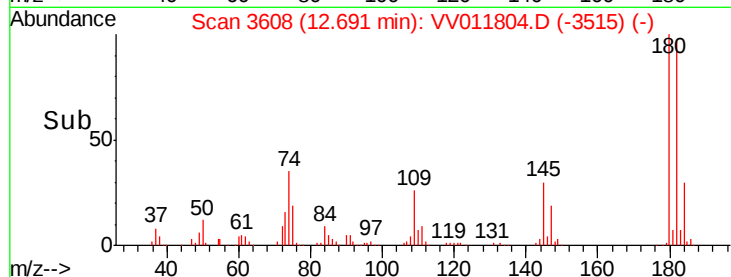
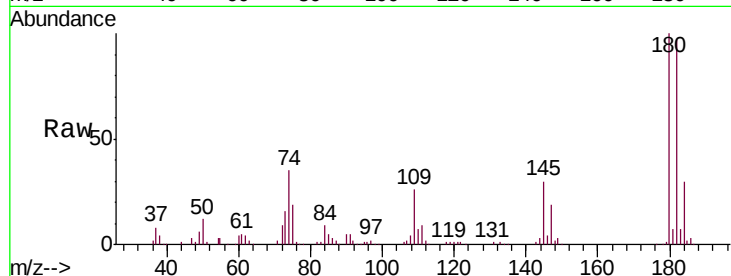




#67
 1,3,5-Trichlorobenzene
 Concen: 5.311 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV011804.D
 Acq: 02 Jul 2019 12:54

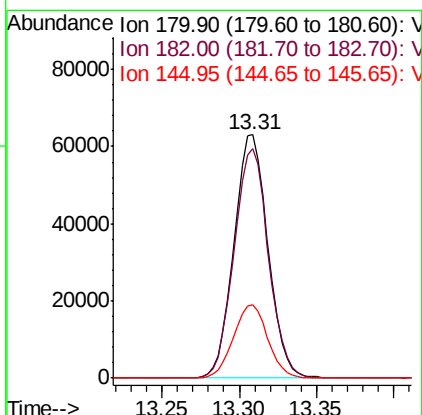
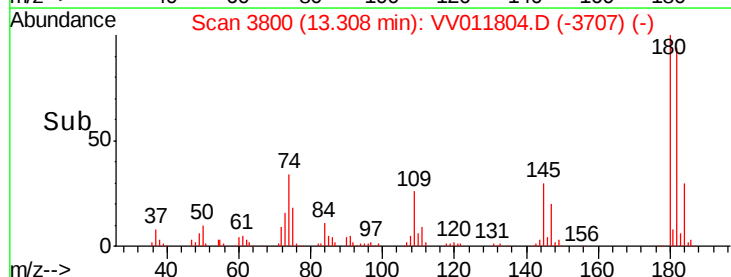
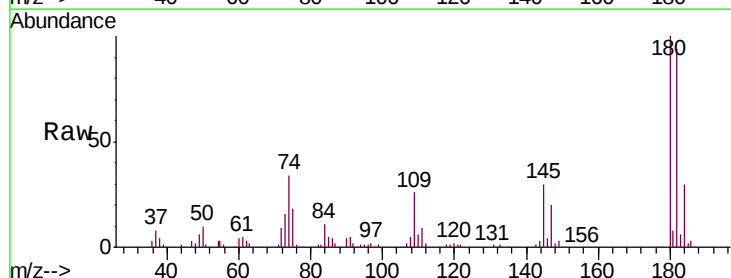
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00554

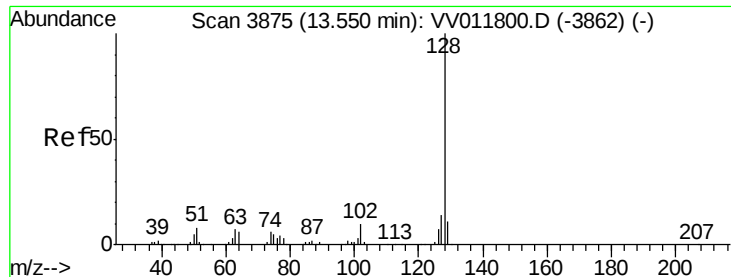
Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	75.3	112.9
184	30.0	24.2	36.4
145	30.0	23.7	35.5



#68
 1,2,4-trichlorobenzene
 Concen: 5.464 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. -0.00 min
 Lab File: VV011804.D
 Acq: 02 Jul 2019 12:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	75.2	112.8
145	30.5	24.5	36.7





#69

Naphthalene

Concen: 5.520 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV011804.D

Acq: 02 Jul 2019 12:54

Instrument :

MSVOA_V

ClientSampled :

VSTD00554

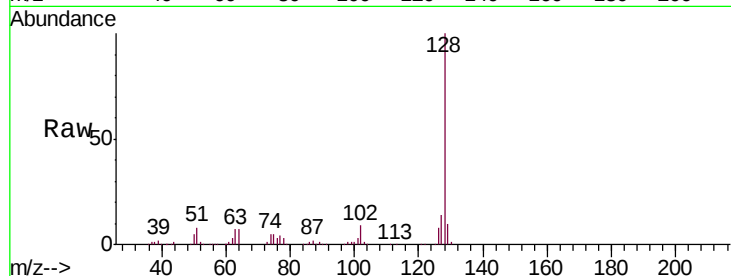
Tgt Ion:128 Resp: 154590

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

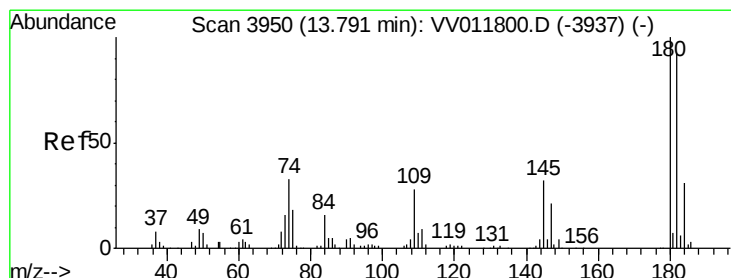
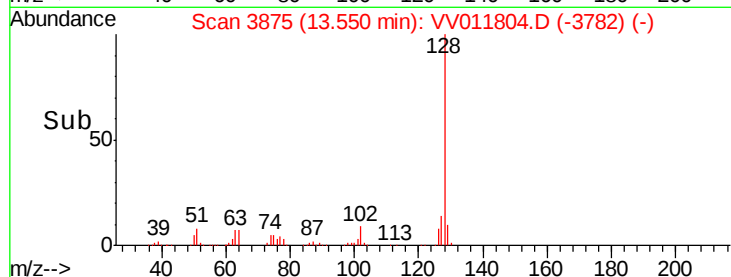
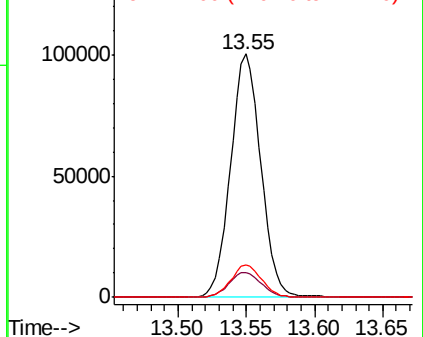
127 13.4 10.6 16.0



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: 5.346 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV011804.D

Acq: 02 Jul 2019 12:54

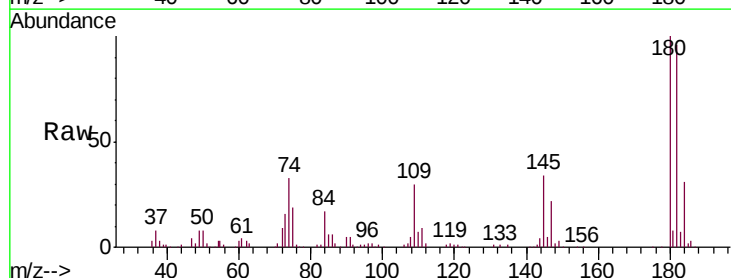
Tgt Ion:180 Resp: 87119

Ion Ratio Lower Upper

180 100

182 95.0 74.7 112.1

145 33.0 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

