

Data File : VV012414.D
Acq On : 27 Aug 2019 08:49
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00553

Quant Time: Aug 28 07:22:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Aug 27 12:08:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	233127	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	226798	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	114404	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	63262	5.43	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	108.60%
7) Chloroethane-d5	1.58	69	47385	5.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	110.20%
11) 1,1-Dichloroethene-d2	2.13	63	110958	5.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	107.20%
20) 2-Butanone-d5	3.97	46	167743	53.42	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.84%
24) Chloroform-d	4.40	84	138464	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.40%
26) 1,2-Dichloroethane-d4	5.08	65	66532	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.80%
32) Benzene-d6	5.09	84	267595	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
36) 1,2-Dichloropropane-d6	6.12	67	81404	4.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.40%
41) Toluene-d8	7.36	98	242664	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.20%
43) trans-1,3-Dichloropropene-	7.66	79	29510	4.66	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.20%
46) 2-Hexanone-d5	8.14	63	100663	51.16	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.32%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	53831	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	83350	4.38	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	108552	5.452 ug/L	99
3) Chloromethane	1.25	50	94889	6.196 ug/L	99
5) Vinyl chloride	1.32	62	88809	5.980 ug/L	98
6) Bromomethane	1.54	94	40203	5.932 ug/L	94
8) Chloroethane	1.60	64	46518	6.240 ug/L	96
9) Trichlorofluoromethane	1.77	101	119423	6.042 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	58214	5.655 ug/L	96
12) 1,1-Dichloroethene	2.14	96	54478	5.826 ug/L	93
13) Acetone	2.23	43	83929	61.782 ug/L	75
14) Carbon disulfide	2.32	76	159855	5.440 ug/L	99
15) Methyl Acetate	2.47	43	19436	5.684 ug/L	92
16) Methylene chloride	2.53	84	53524	5.136 ug/L	97
17) Methyl tert-butyl Ether	2.81	73	148627	5.274 ug/L	97
18) trans-1,2-Dichloroethene	2.78	96	75118	5.402 ug/L	99
19) 1,1-Dichloroethane	3.23	63	142139	5.497 ug/L	97
21) 2-Butanone	4.05	43	175908	55.132 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	74127	4.887 ug/L	99

Data File : VV012414.D
Acq On : 27 Aug 2019 08:49
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00553

Quant Time: Aug 28 07:22:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Aug 27 12:08:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	33400	5.296	ug/L	99
25) Chloroform	4.42	83	146293	5.071	ug/L	98
27) 1,2-Dichloroethane	5.18	62	84697	5.564	ug/L	98
29) 1,1,1-Trichloroethane	4.65	97	120061	5.299	ug/L	98
30) Cyclohexane	4.72	56	117008	4.999	ug/L	99
31) Carbon tetrachloride	4.87	117	106988	5.339	ug/L	99
33) Benzene	5.14	78	308980	5.343	ug/L	100
34) Trichloroethene	5.96	95	80292	5.144	ug/L	99
35) Methylcyclohexane	6.17	83	118452	4.832	ug/L	97
37) 1,2-Dichloropropane	6.22	63	75594	5.158	ug/L	99
38) Bromodichloromethane	6.55	83	97910	5.416	ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	100206	5.086	ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	431831	54.856	ug/L	99
42) Toluene	7.43	91	327515	5.544	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	79013	5.302	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	50972	5.369	ug/L	97
47) Tetrachloroethene	8.02	164	66235	5.259	ug/L	97
48) 2-Hexanone	8.19	43	315942	55.778	ug/L	95
49) Dibromochloromethane	8.29	129	62064	5.455	ug/L	99
50) 1,2-Dibromoethane	8.40	107	46567	5.188	ug/L	99
51) Chlorobenzene	8.92	112	199018	5.157	ug/L	99
52) Ethylbenzene	9.05	91	331051	5.206	ug/L	100
53) m,p-xylene	9.18	106	125564	5.267	ug/L	97
54) o-xylene	9.59	106	119856	5.283	ug/L	98
55) Styrene	9.60	104	206524	5.442	ug/L	96
56) Isopropylbenzene	9.97	105	319949	5.270	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	52046	5.107	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	41999	5.217	ug/L	100
61) Bromoform	9.77	173	32155	4.899	ug/L	97
62) 1,3-Dichlorobenzene	11.23	146	155114	4.992	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	154884	4.977	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	141565	4.955	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	7643	4.666	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	113262	4.761	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	75970	4.582	ug/L	99
69) Naphthalene	13.55	128	89639	3.906	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	72053	4.640	ug/L	98

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

Data File : VV012414.D

Acq On : 27 Aug 2019 08:49

Operator : SY/MD

Sample : VSTDCCC005

Misc : 25mL/MSV0A_V/WATER

```
ALS Vial      : 2      Sample Multiplier: 1
```

Instrument :
MSVOA_V
ClientSampleId :
VSTD00553

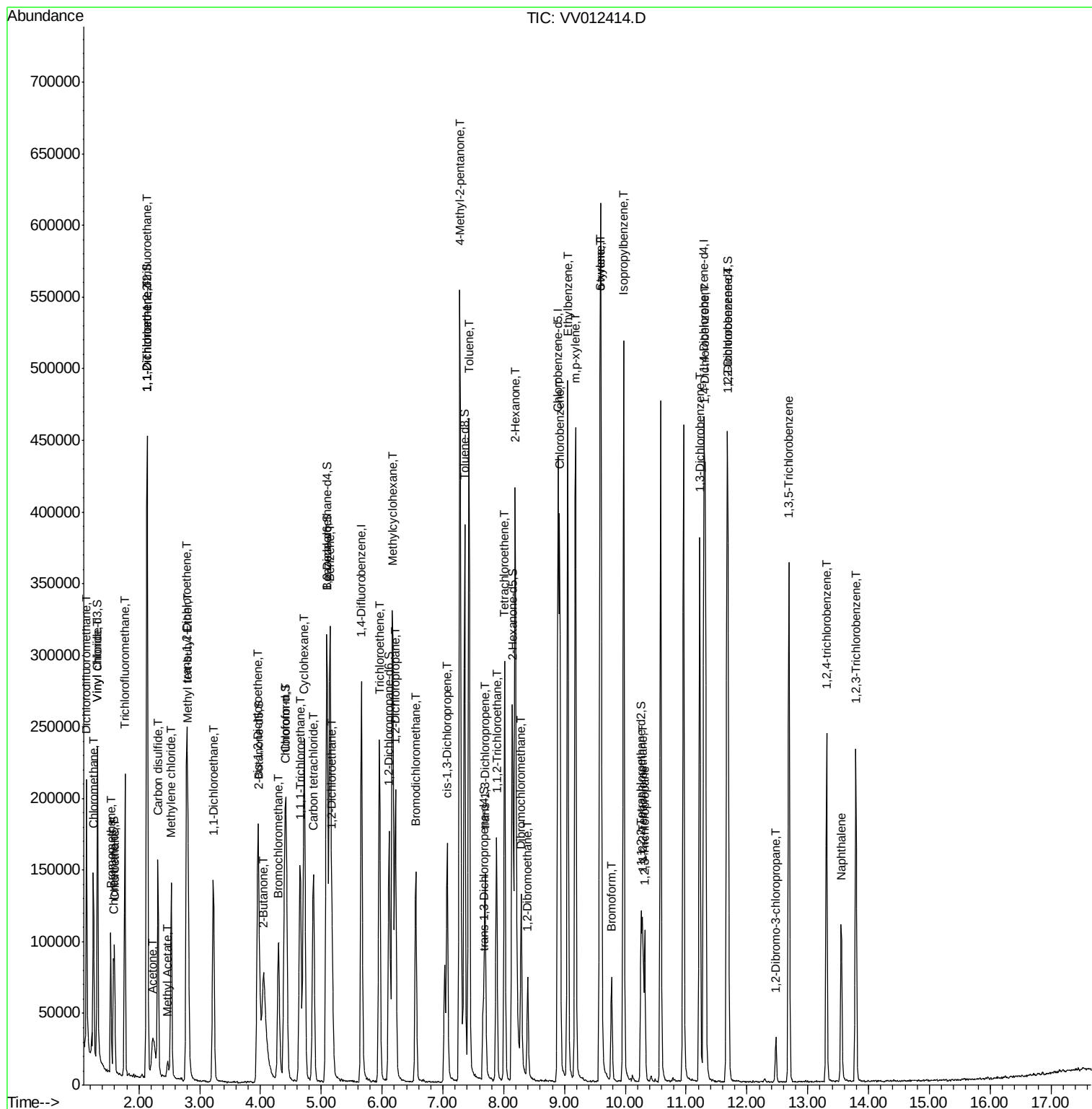
Quant Time: Aug 28 07:22:01 2019

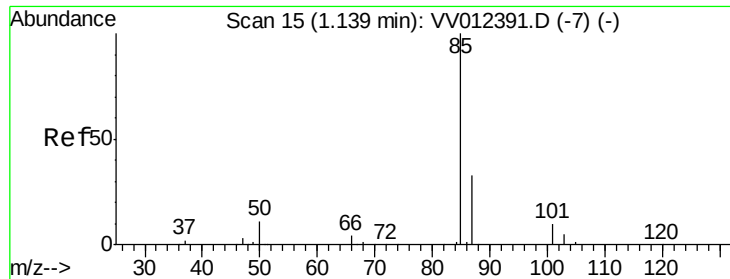
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0MVTR082319WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Tue Aug 27 12:08:58 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.452 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV012414.D

Acq: 27 Aug 2019 08:49

Instrument :

MSVOA_V

ClientSampleId :

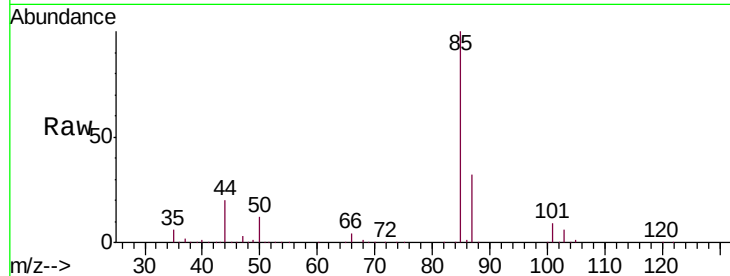
VSTD00553

Tgt Ion: 85 Resp: 108552

Ion Ratio Lower Upper

85 100

87 31.9 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VV012391.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV012391.D (-7) (-)

120000

100000

80000

60000

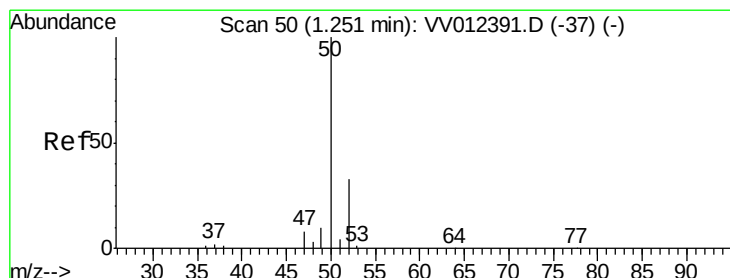
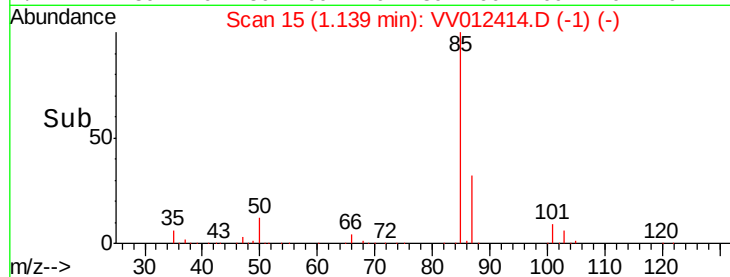
40000

20000

0

1.10 1.14 1.20 1.30

Time-->



#3

Chloromethane

Concen: 6.196 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV012414.D

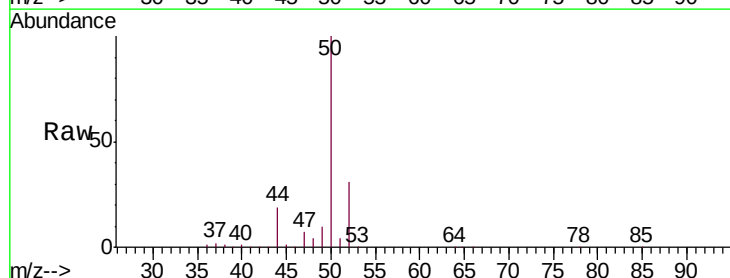
Acq: 27 Aug 2019 08:49

Tgt Ion: 50 Resp: 94889

Ion Ratio Lower Upper

50 100

52 31.4 22.2 41.2



Abundance Ion 50.05 (49.75 to 50.75): VV012391.D (-37) (-)

Ion 52.05 (51.75 to 52.75): VV012391.D (-37) (-)

80000

60000

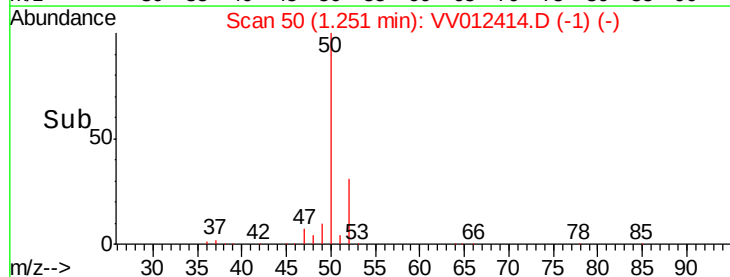
40000

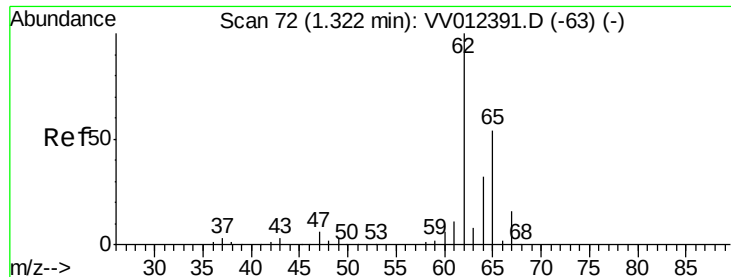
20000

0

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 5.980 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV012414.D

Acq: 27 Aug 2019 08:49

Instrument :

MSVOA_V

ClientSampleId :

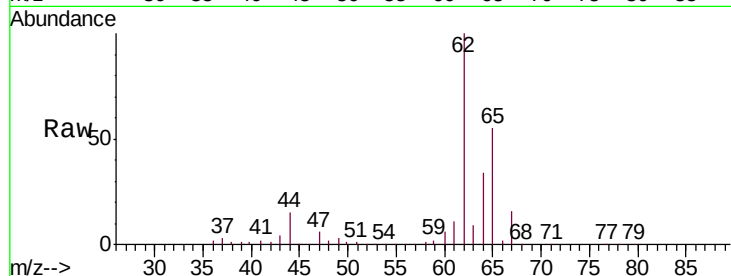
VSTD00553

Tgt Ion: 62 Resp: 88809

Ion Ratio Lower Upper

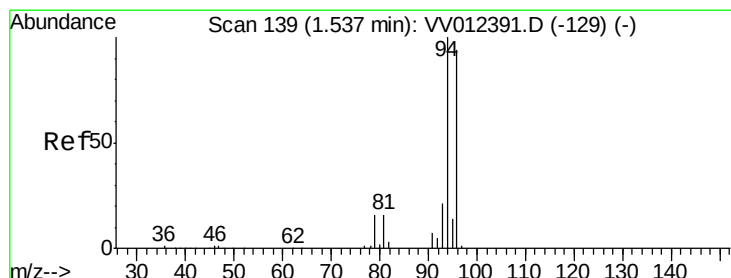
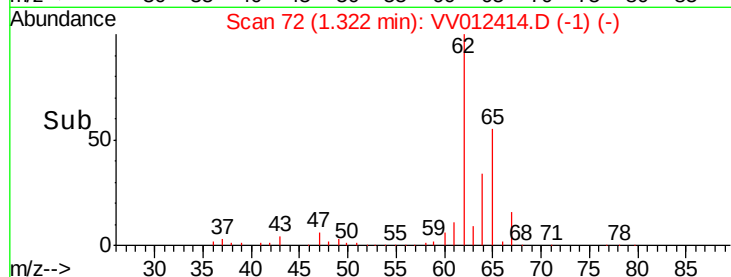
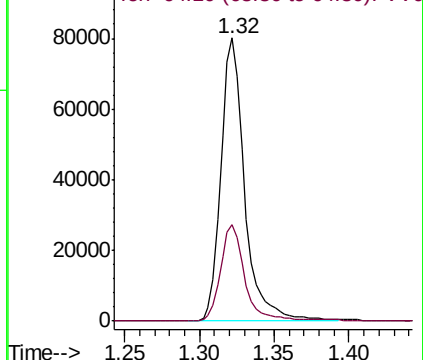
62 100

64 34.1 23.2 43.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 5.932 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV012414.D

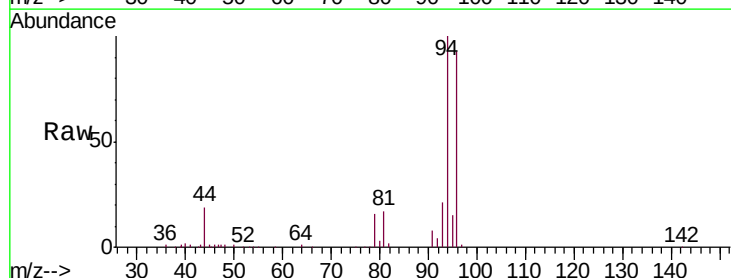
Acq: 27 Aug 2019 08:49

Tgt Ion: 94 Resp: 40203

Ion Ratio Lower Upper

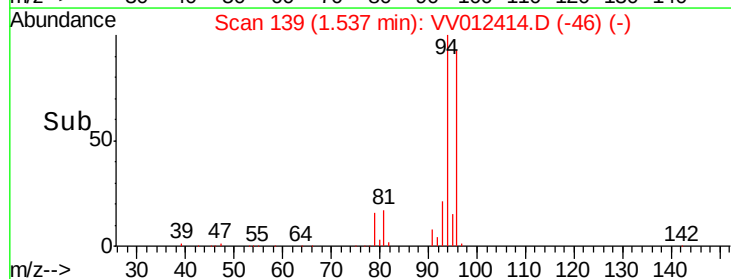
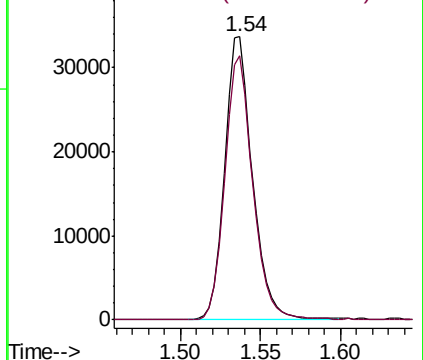
94 100

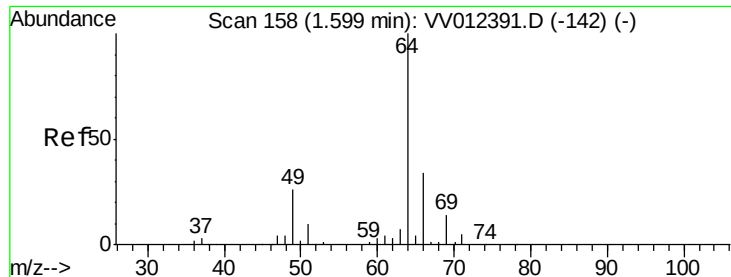
96 93.3 69.2 128.6



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 6.240 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.00 min

Lab File: VV012414.D

Acq: 27 Aug 2019 08:49

Instrument :

MSVOA_V

ClientSampleId :

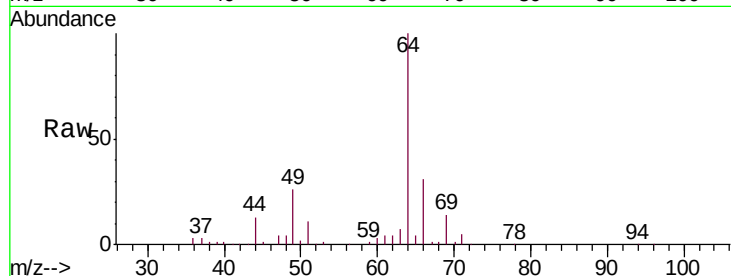
VSTD00553

Tgt Ion: 64 Resp: 46518

Ion Ratio Lower Upper

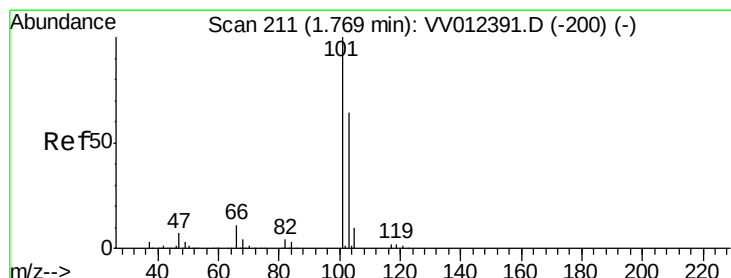
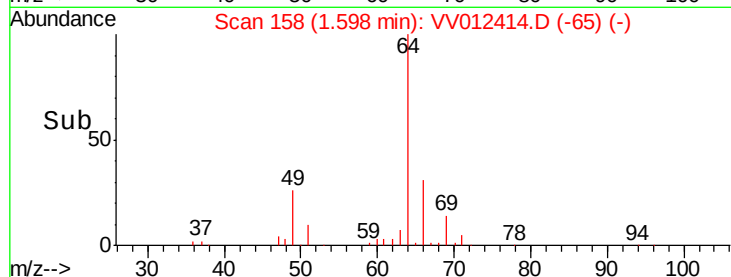
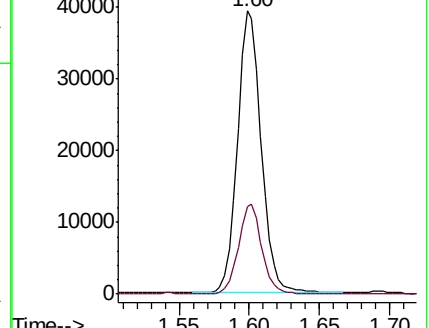
64 100

66 30.7 23.2 43.0



Abundance Ion 64.10 (63.80 to 64.80): VV012391.D (-142) (-)

Ion 66.05 (65.75 to 66.75): VV012391.D (-142) (-)



#9

Trichlorofluoromethane

Concen: 6.042 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV012414.D

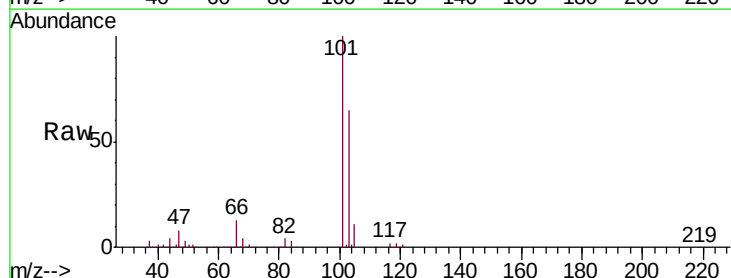
Acq: 27 Aug 2019 08:49

Tgt Ion: 101 Resp: 119423

Ion Ratio Lower Upper

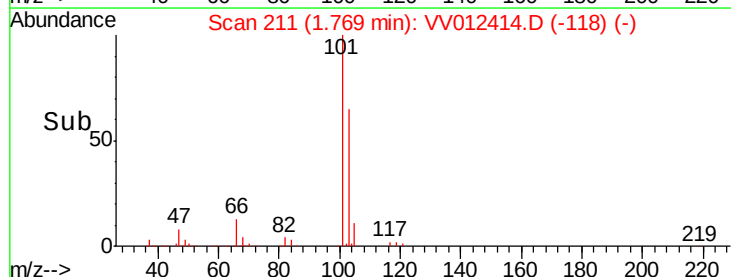
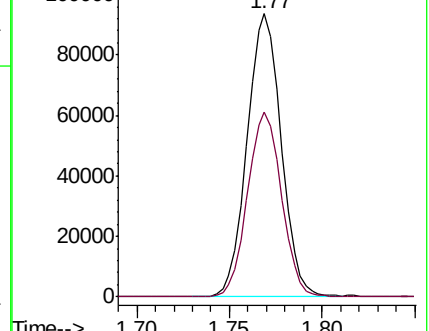
101 100

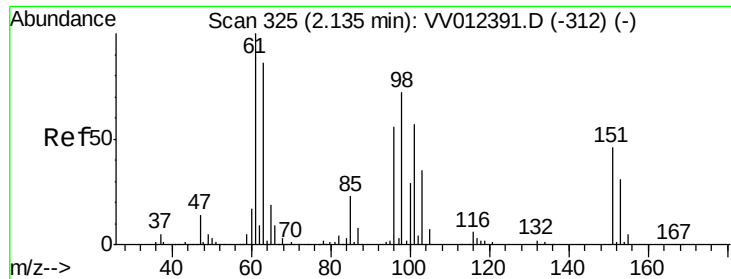
103 65.3 51.2 76.8



Abundance Ion 101.00 (100.70 to 101.70): VV012391.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV012391.D (-200) (-)





#10

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

Concen: 5.655 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV012414.D

Acq: 27 Aug 2019 08:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD00553

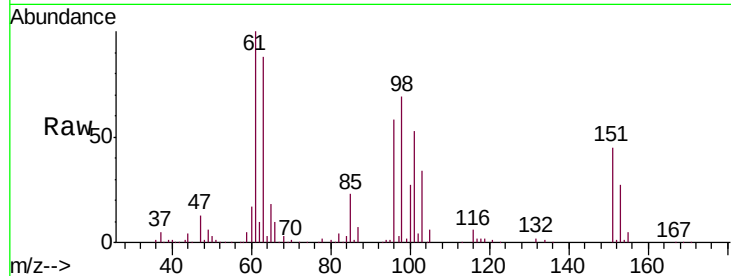
Tgt Ion: 101 Resp: 58214

Ion Ratio Lower Upper

101 100

85 42.6 34.6 51.8

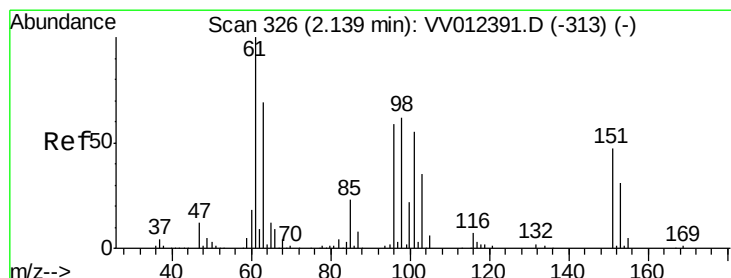
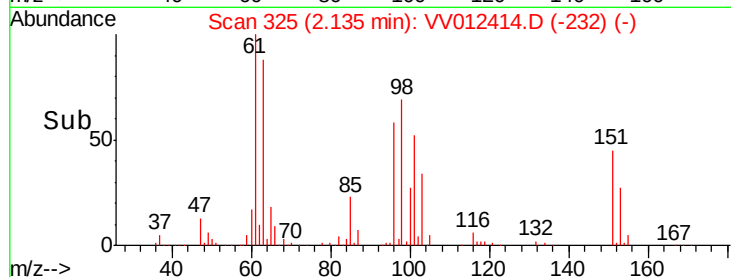
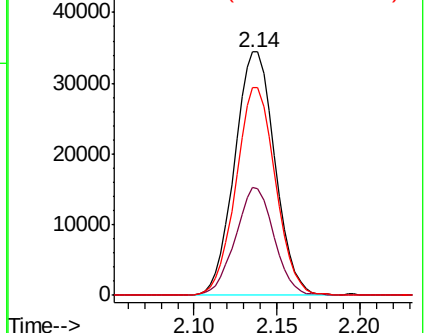
151 83.9 71.2 106.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.826 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV012414.D

Acq: 27 Aug 2019 08:49

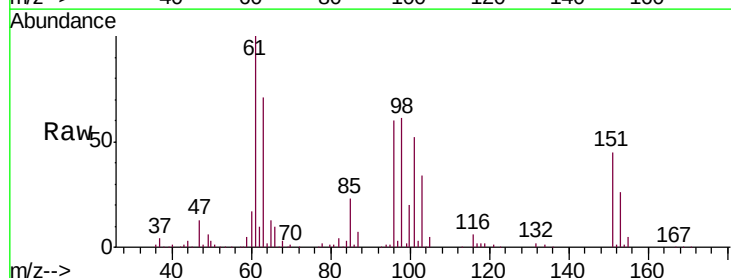
Tgt Ion: 96 Resp: 54478

Ion Ratio Lower Upper

96 100

61 166.5 122.3 227.1

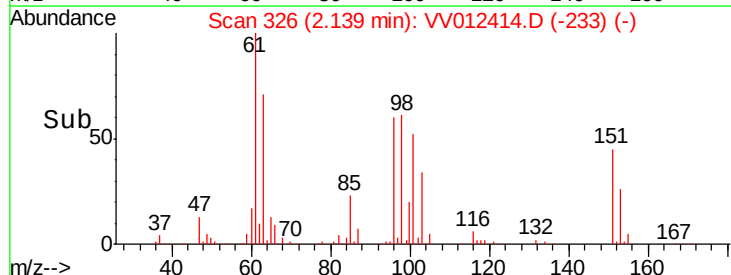
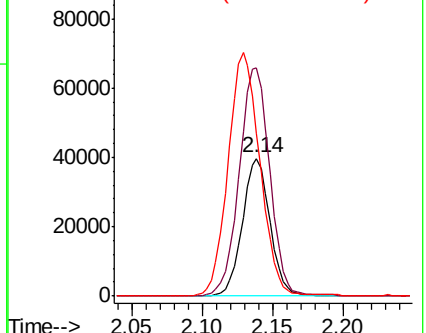
63 118.8 90.6 168.2

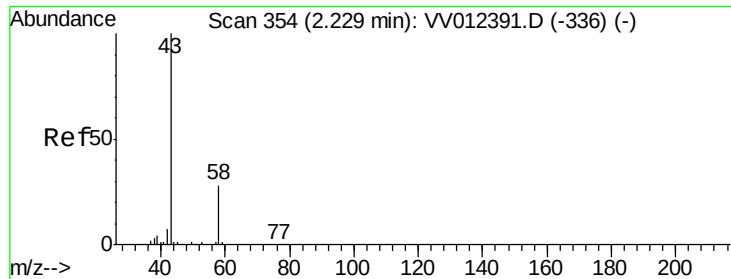


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 61.782 ug/L

RT: 2.23 min Scan# 356

Delta R.T. 0.01 min

Lab File: VV012414.D

Acq: 27 Aug 2019 08:49

Instrument :

MSVOA_V

ClientSampleId :

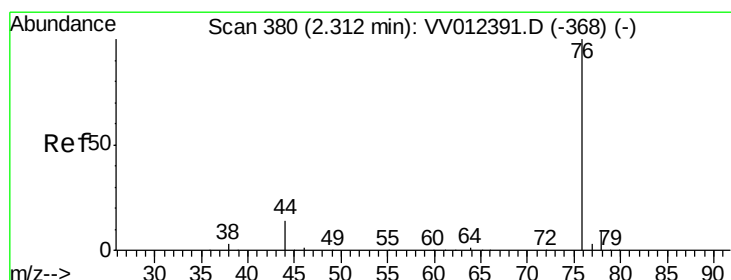
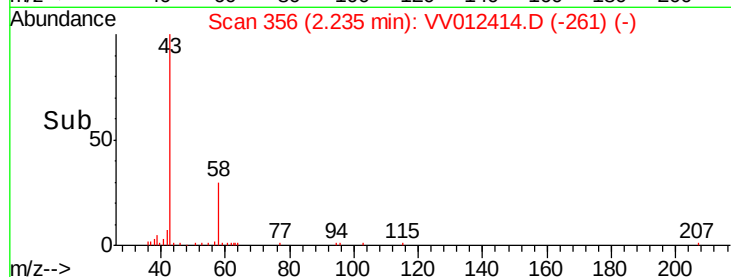
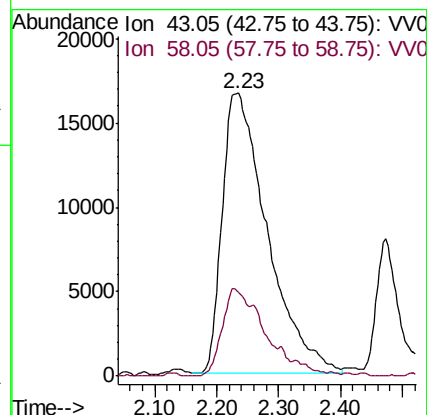
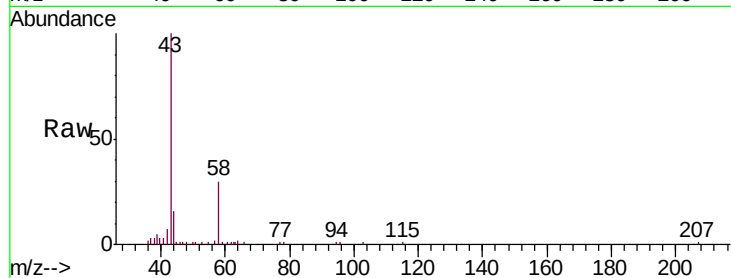
VSTD00553

Tgt Ion: 43 Resp: 83929

Ion Ratio Lower Upper

43 100

58 17.5 0.0 62.8



#14

Carbon disulfide

Concen: 5.440 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV012414.D

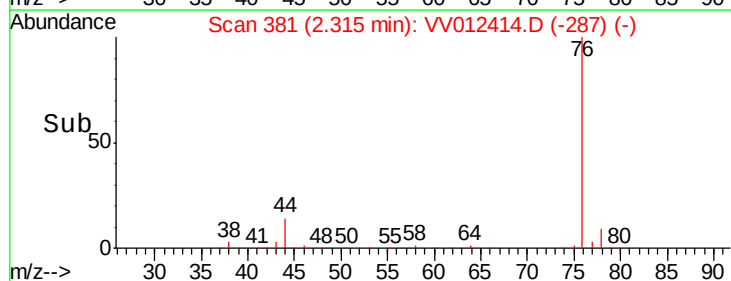
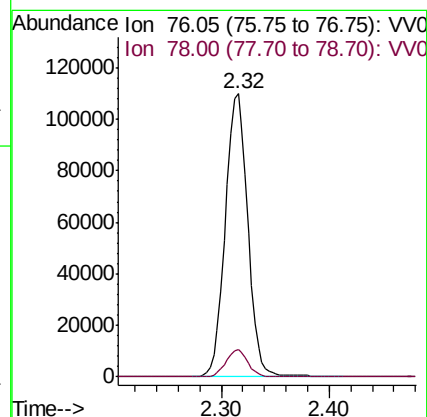
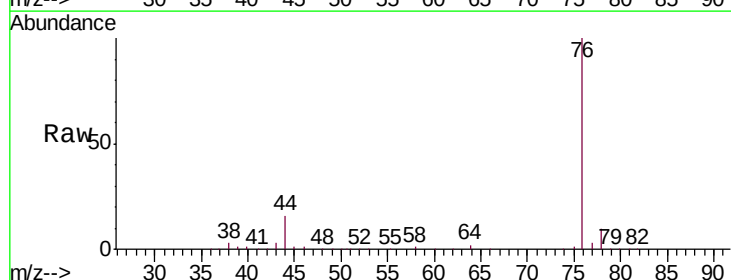
Acq: 27 Aug 2019 08:49

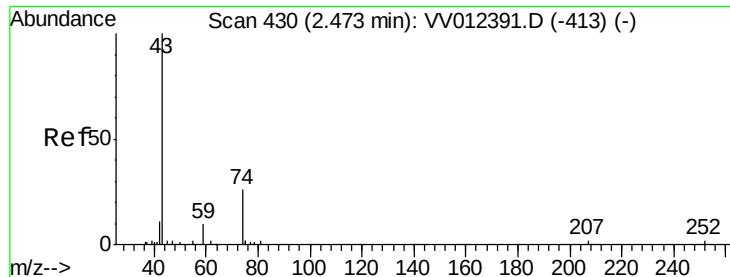
Tgt Ion: 76 Resp: 159855

Ion Ratio Lower Upper

76 100

78 9.6 7.3 10.9





#15

Methyl Acetate

Concen: 5.684 ug/L

RT: 2.47 min Scan# 430

Delta R.T. -0.00 min

Lab File: VV012414.D

Acq: 27 Aug 2019 08:49

Instrument :

MSVOA_V

ClientSampleId :

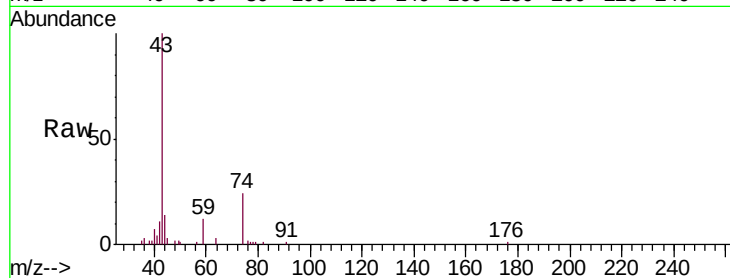
VSTD00553

Tgt Ion: 43 Resp: 19436

Ion Ratio Lower Upper

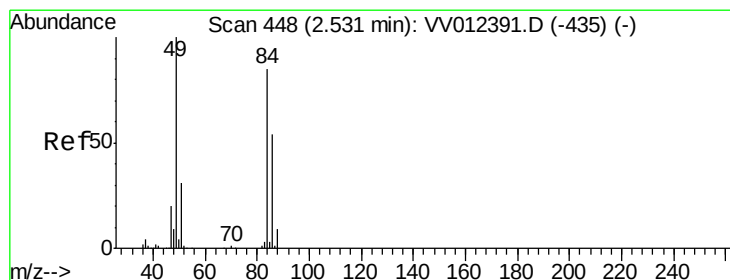
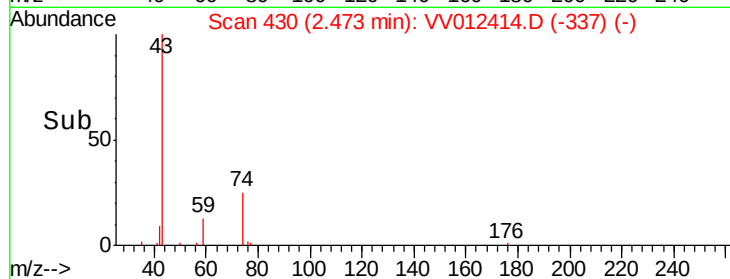
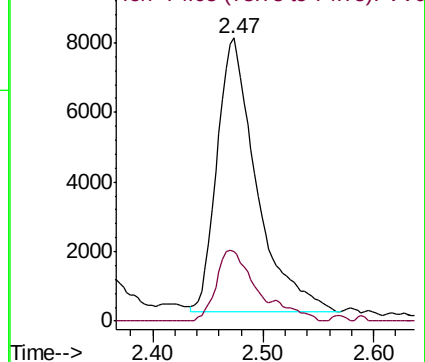
43 100

74 23.2 21.8 32.6



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 5.136 ug/L

RT: 2.53 min Scan# 448

Delta R.T. -0.00 min

Lab File: VV012414.D

Acq: 27 Aug 2019 08:49

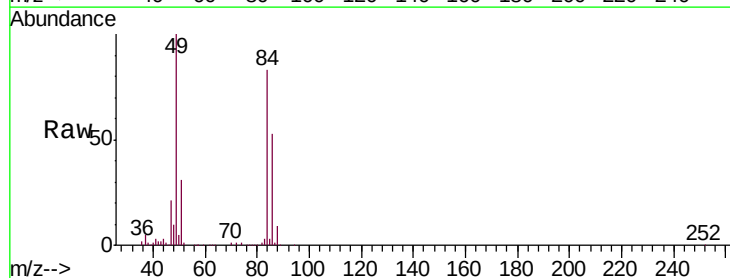
Tgt Ion: 84 Resp: 53524

Ion Ratio Lower Upper

84 100

86 63.7 44.9 83.5

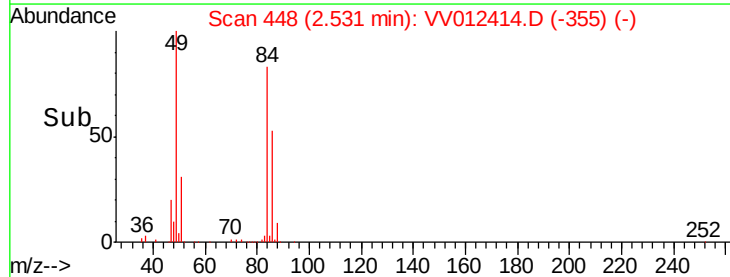
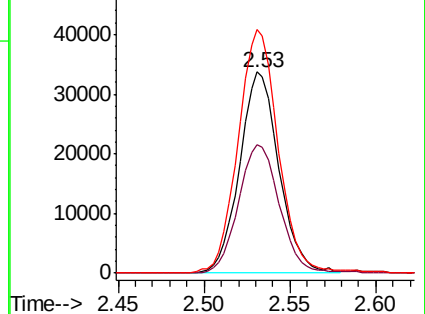
49 121.1 81.1 150.7

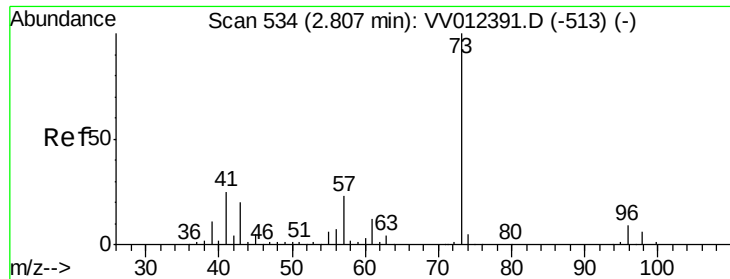


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

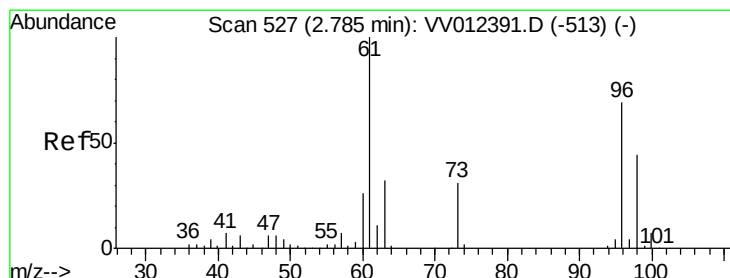
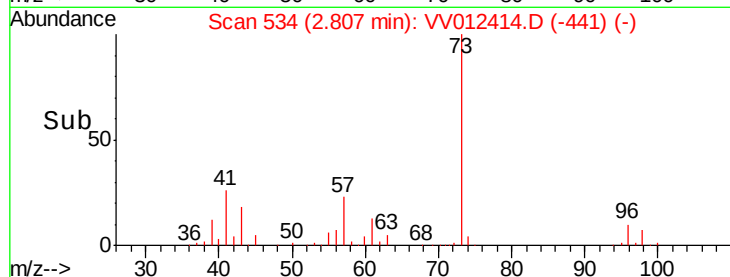
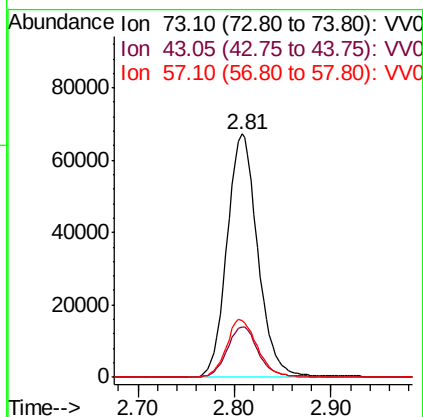
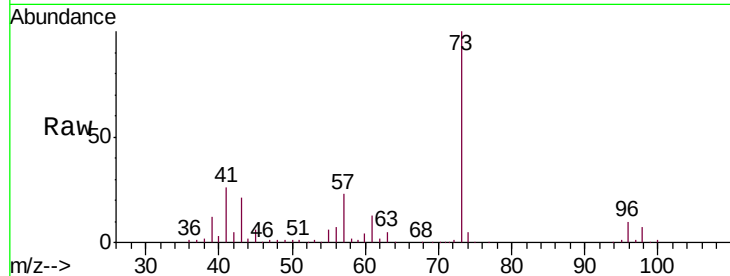




#17
Methyl tert-butyl Ether
Concen: 5.274 ug/L
RT: 2.81 min Scan# 534
Delta R.T. -0.00 min
Lab File: VV012414.D
Acq: 27 Aug 2019 08:49

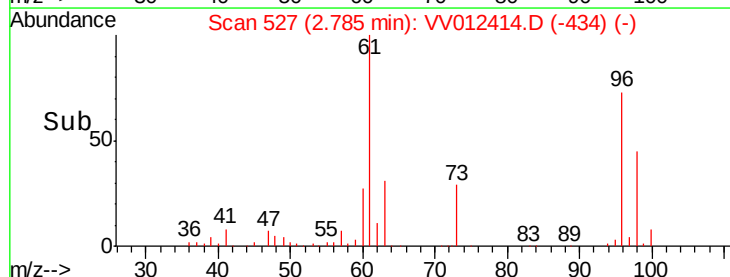
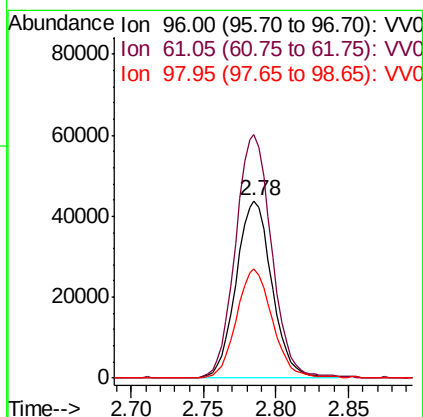
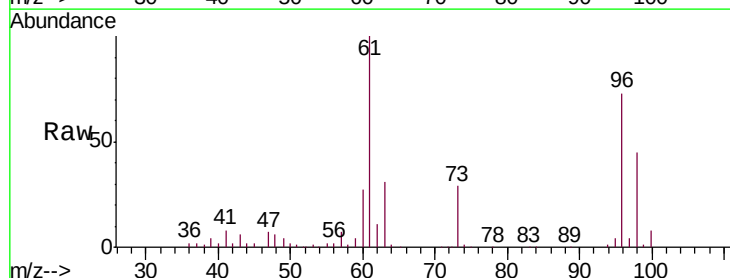
Instrument :
MSVOA_V
ClientSampleId :
VSTD00553

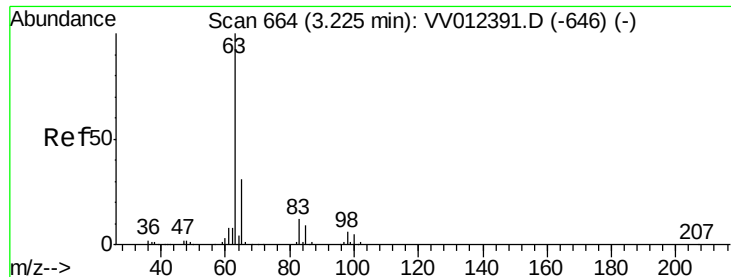
Tgt Ion: 73 Resp: 148627
Ion Ratio Lower Upper
73 100
43 20.6 15.0 22.6
57 23.8 18.0 27.0



#18
trans-1,2-Dichloroethene
Concen: 5.402 ug/L
RT: 2.78 min Scan# 527
Delta R.T. -0.00 min
Lab File: VV012414.D
Acq: 27 Aug 2019 08:49

Tgt Ion: 96 Resp: 75118
Ion Ratio Lower Upper
96 100
61 137.1 96.0 178.4
98 61.3 42.1 78.3

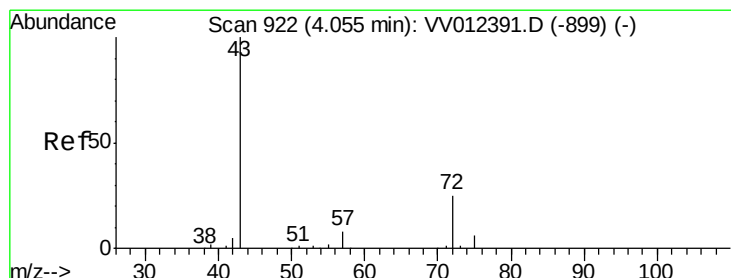
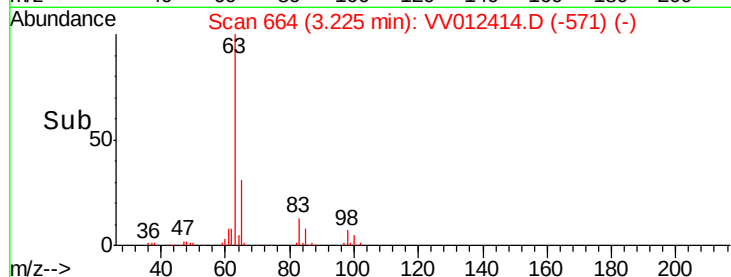
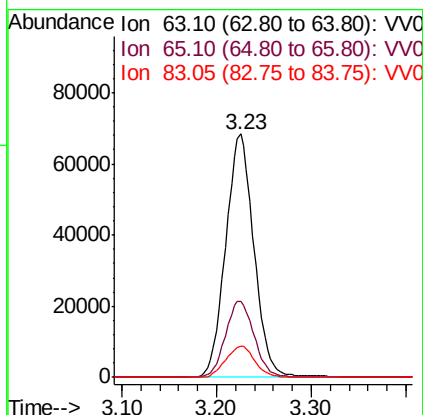
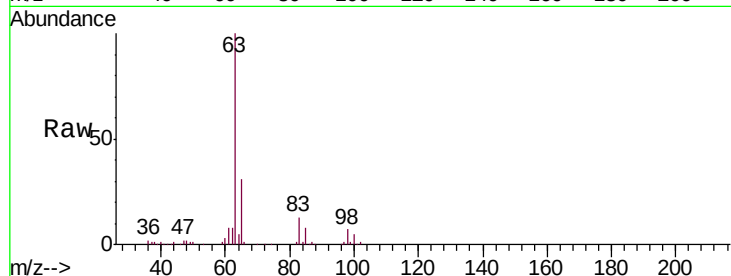




#19
 1,1-Dichloroethane
 Concen: 5.497 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VV012414.D
 Acq: 27 Aug 2019 08:49

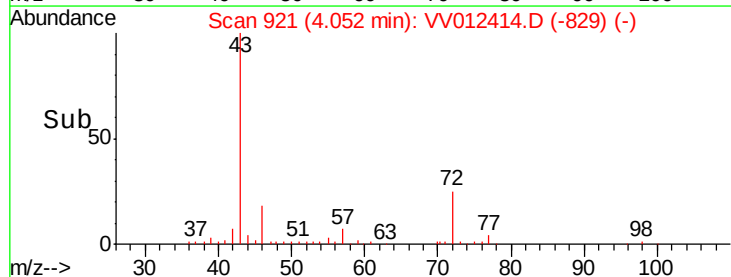
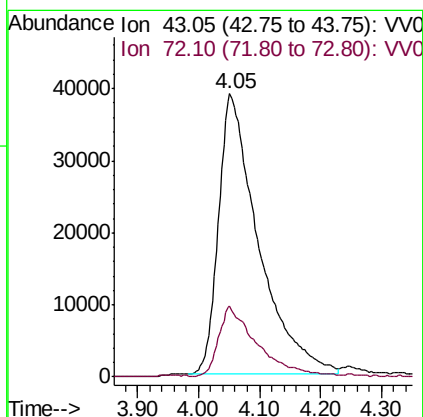
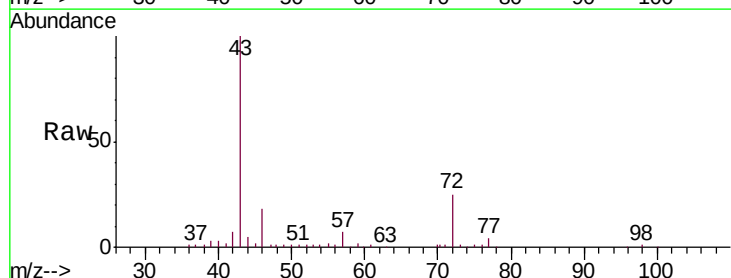
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00553

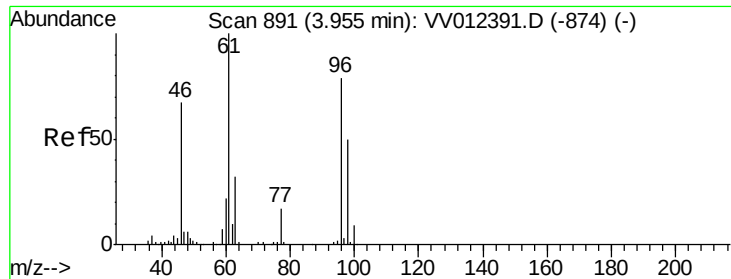
Tgt Ion: 63 Resp: 142139
 Ion Ratio Lower Upper
 63 100
 65 31.1 23.1 42.9
 83 13.0 9.4 17.6



#21
 2-Butanone
 Concen: 55.132 ug/L
 RT: 4.05 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VV012414.D
 Acq: 27 Aug 2019 08:49

Tgt Ion: 43 Resp: 175908
 Ion Ratio Lower Upper
 43 100
 72 23.3 12.2 36.6



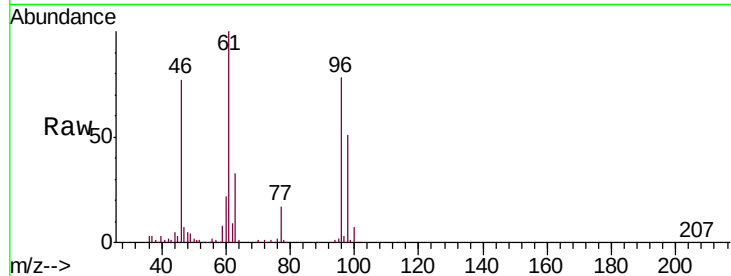


#22

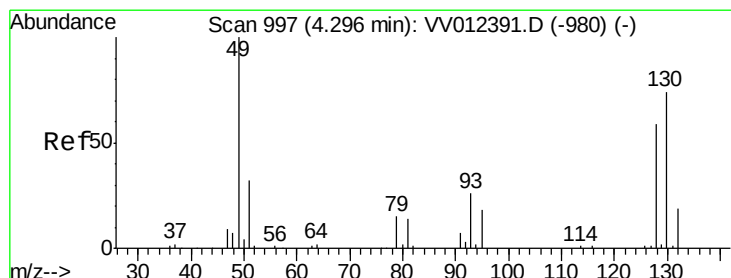
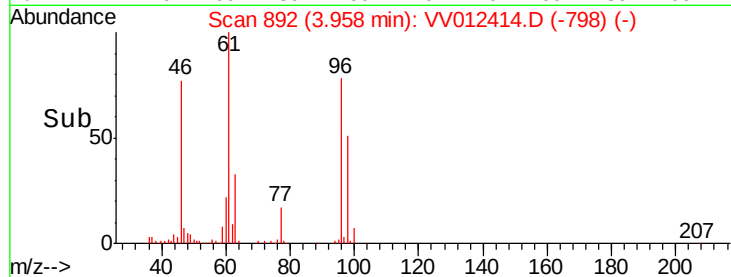
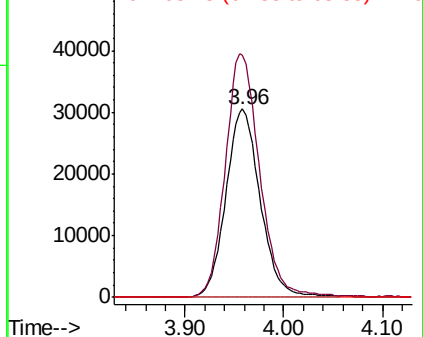
cis-1,2-Dichloroethene
 Concen: 4.887 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV012414.D
 Acq: 27 Aug 2019 08:49

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00553

Tgt Ion: 96 Resp: 74127
 Ion Ratio Lower Upper
 96 100
 61 129.0 89.4 166.0
 68 0.0 0.0 0.0



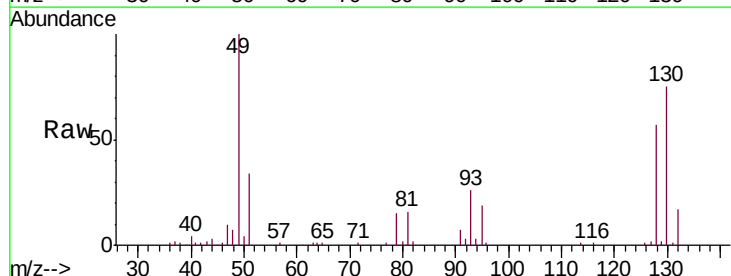
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



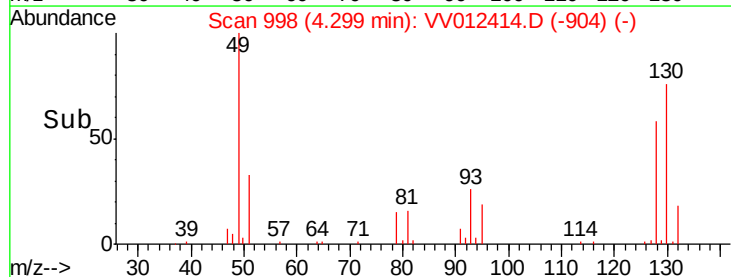
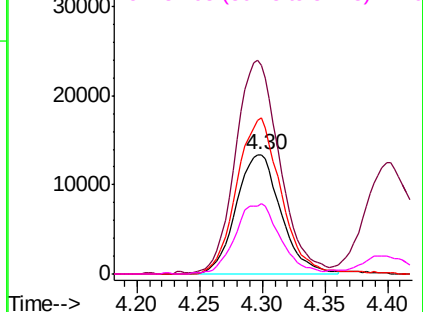
#23

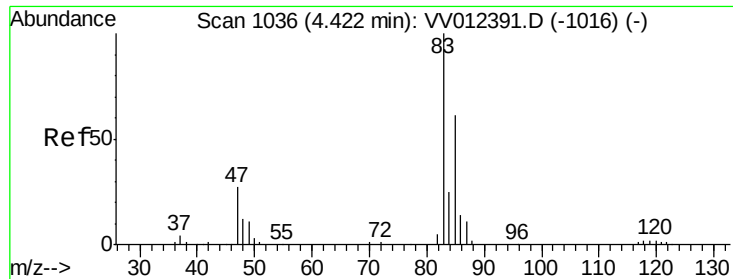
Bromochloromethane
 Concen: 5.296 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VV012414.D
 Acq: 27 Aug 2019 08:49

Tgt Ion: 128 Resp: 33400
 Ion Ratio Lower Upper
 128 100
 49 173.9 120.7 224.1
 130 130.1 91.5 169.9
 51 58.5 44.3 66.5



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

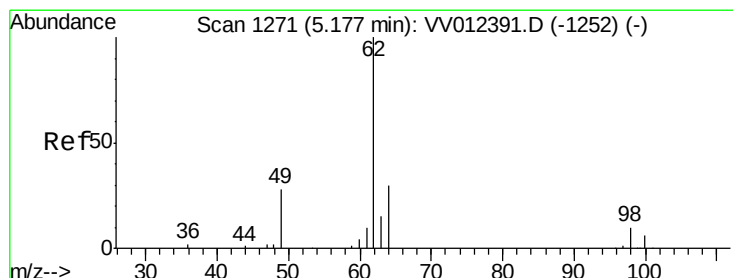
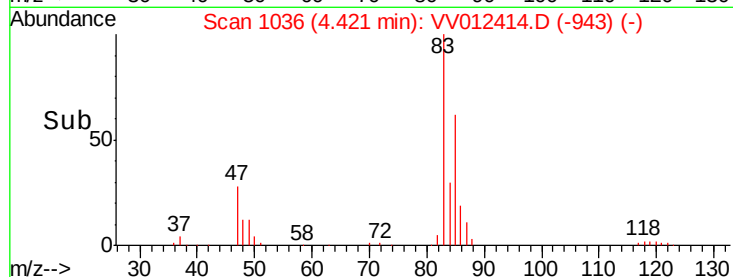
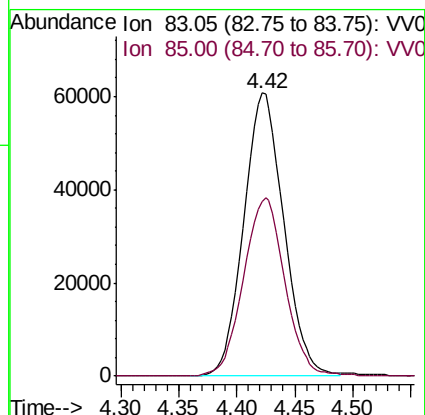
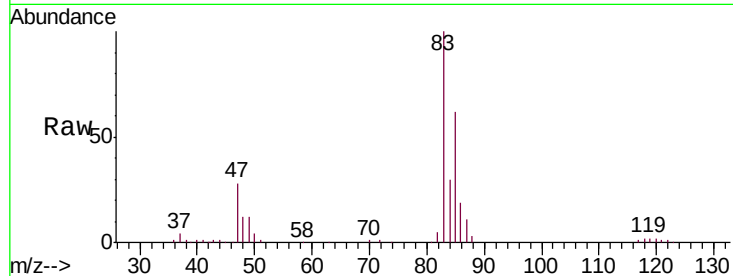




#25
Chloroform
Concen: 5.071 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV012414.D
Acq: 27 Aug 2019 08:49

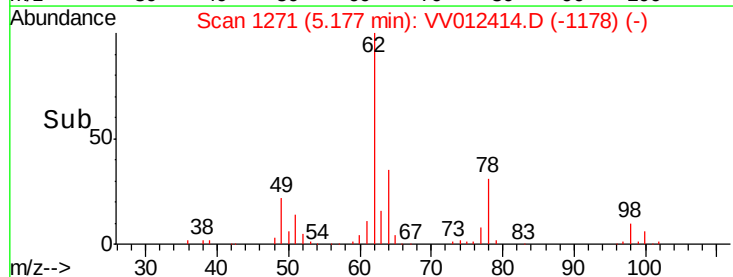
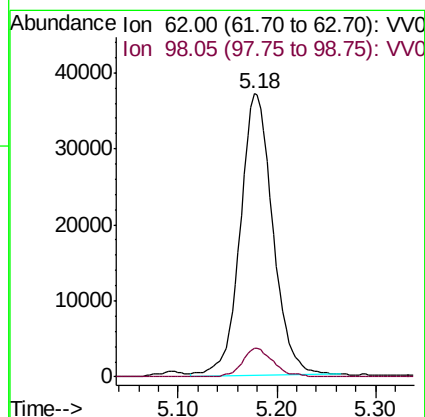
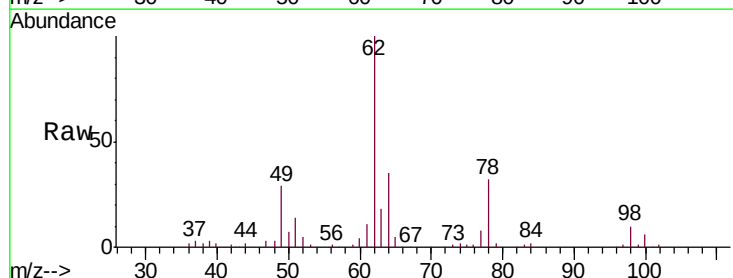
Instrument :
MSVOA_V
ClientSampleId :
VSTD00553

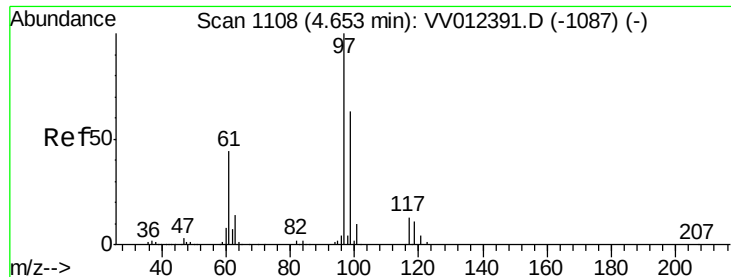
Tgt Ion: 83 Resp: 146293
Ion Ratio Lower Upper
83 100
85 61.9 44.6 82.8



#27
1,2-Dichloroethane
Concen: 5.564 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV012414.D
Acq: 27 Aug 2019 08:49

Tgt Ion: 62 Resp: 84697
Ion Ratio Lower Upper
62 100
98 10.1 7.6 11.4

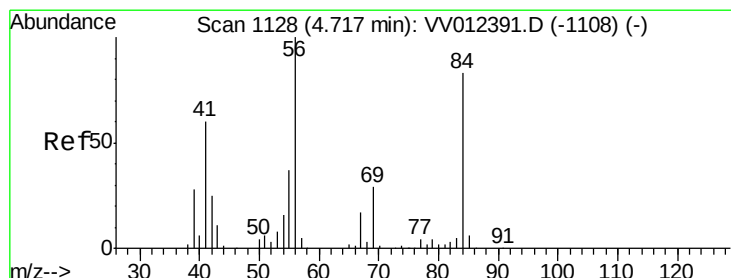
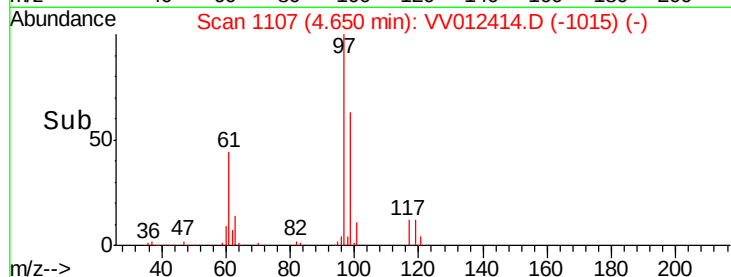
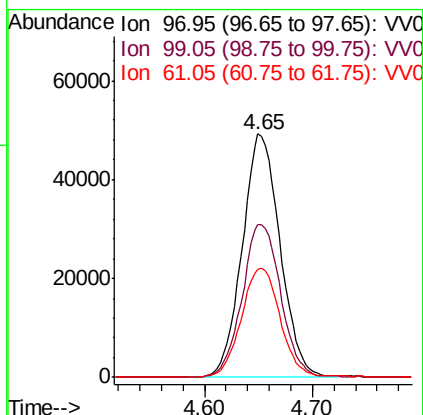
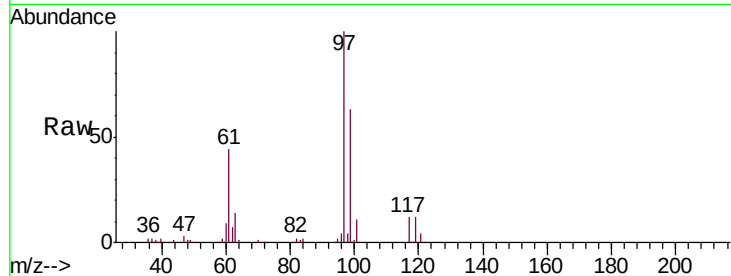




#29
 1,1,1-Trichloroethane
 Concen: 5.299 ug/L
 RT: 4.65 min Scan# 1107
 Delta R.T. -0.00 min
 Lab File: VV012414.D
 Acq: 27 Aug 2019 08:49

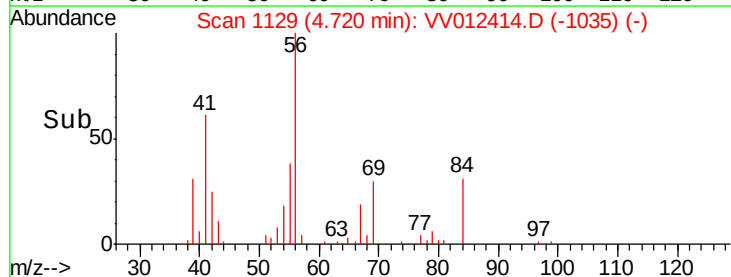
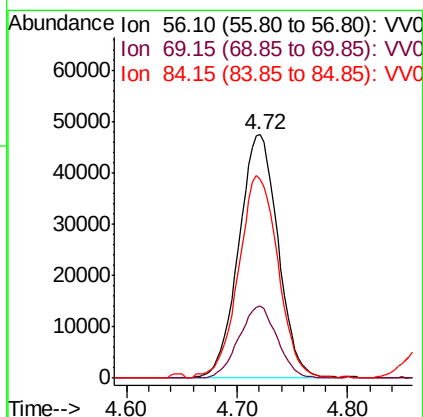
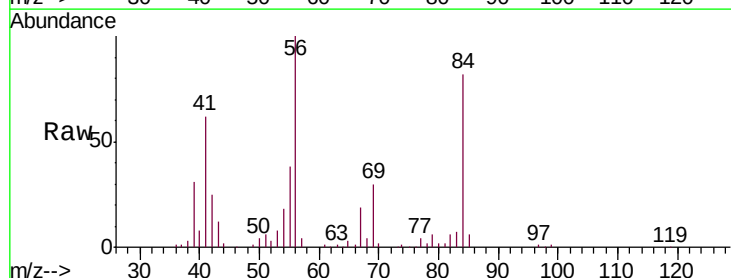
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00553

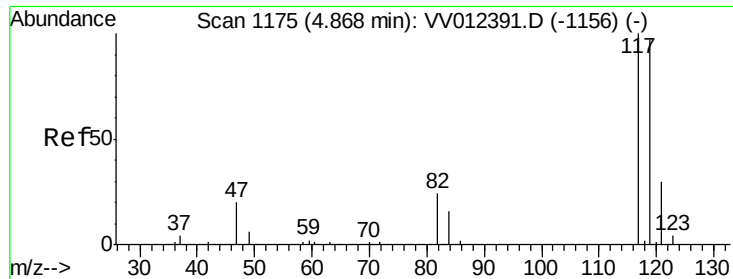
Tgt Ion: 97 Resp: 120061
 Ion Ratio Lower Upper
 97 100
 99 64.2 50.5 75.7
 61 46.4 35.4 53.2



#30
 Cyclohexane
 Concen: 4.999 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. 0.00 min
 Lab File: VV012414.D
 Acq: 27 Aug 2019 08:49

Tgt Ion: 56 Resp: 117008
 Ion Ratio Lower Upper
 56 100
 69 29.0 24.0 36.0
 84 83.8 67.9 101.9





#31

Carbon tetrachloride

Concen: 5.339 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VV012414.D

Acq: 27 Aug 2019 08:49

Instrument :

MSVOA_V

ClientSampleId :

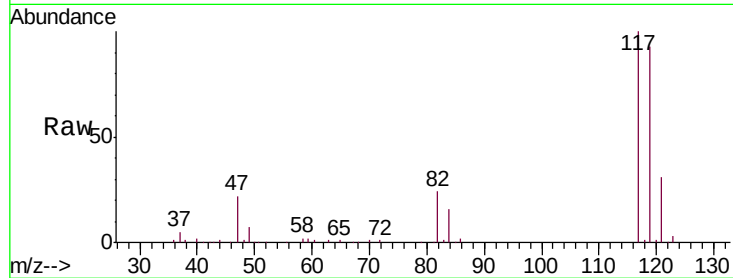
VSTD00553

Tgt Ion:117 Resp: 106988

Ion Ratio Lower Upper

117 100

119 95.9 77.8 116.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.87

50000

40000

30000

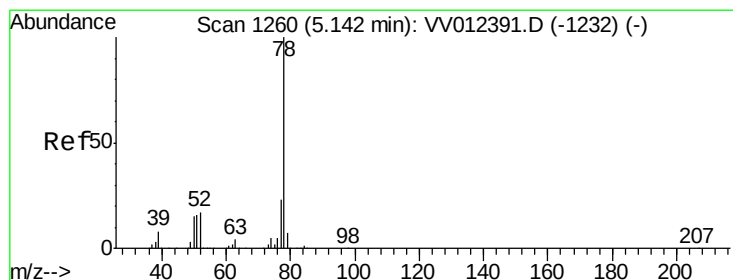
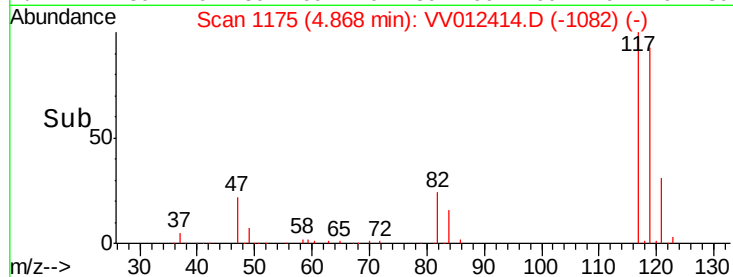
20000

10000

0

Time-->

4.80 4.90 5.00



#33

Benzene

Concen: 5.343 ug/L

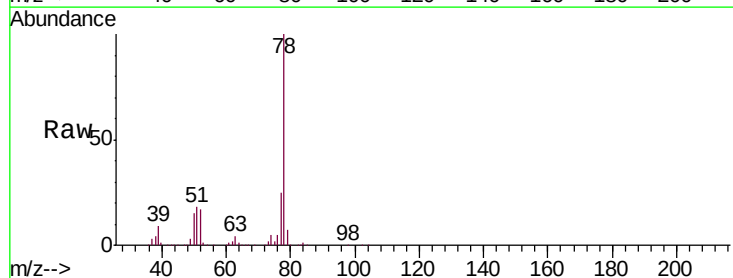
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VV012414.D

Acq: 27 Aug 2019 08:49

Tgt Ion: 78 Resp: 308980



Abundance Ion 78.10 (77.80 to 78.80): VV0

5.14

150000

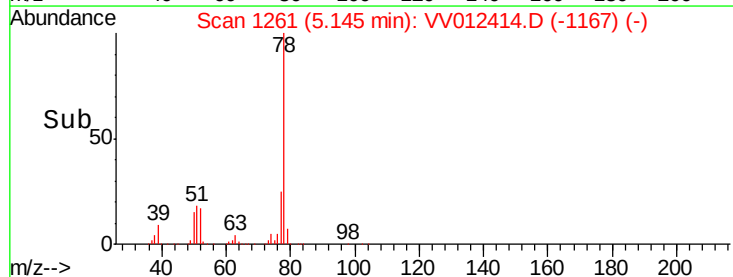
100000

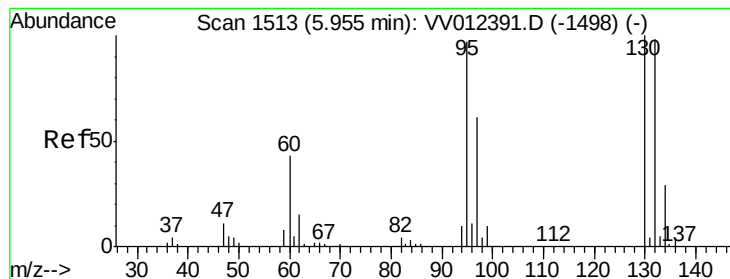
50000

0

Time-->

5.00 5.10 5.20 5.30





#34

Trichloroethene

Concen: 5.144 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV012414.D

Acq: 27 Aug 2019 08:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD00553

Tgt Ion: 95 Resp: 80292

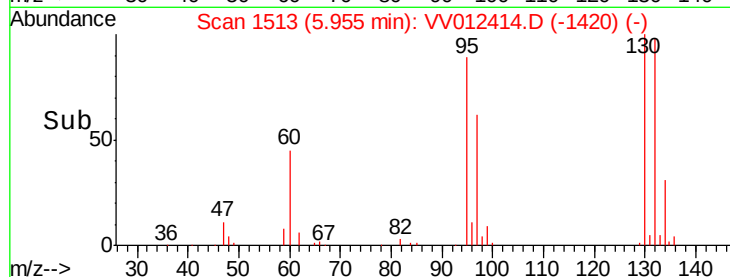
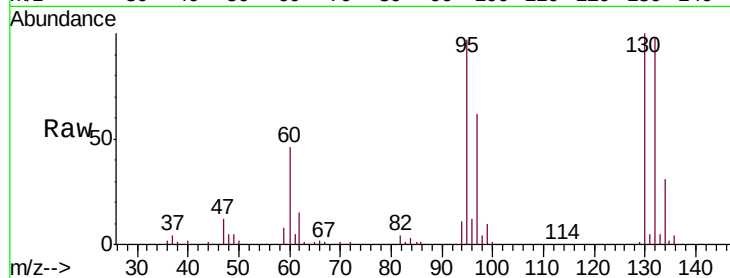
Ion Ratio Lower Upper

95 100

97 63.6 46.3 86.1

132 101.4 70.3 130.7

130 103.3 72.4 134.5

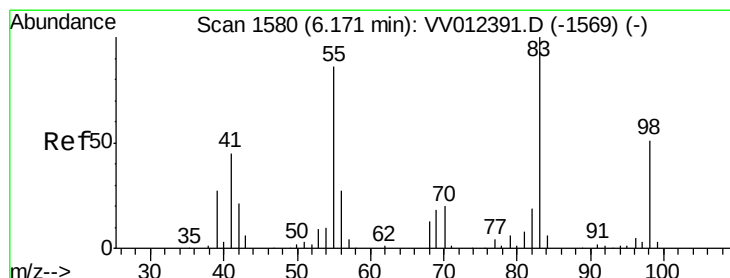
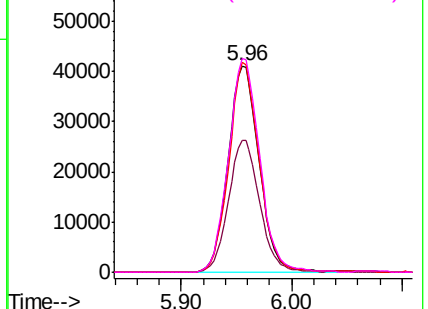


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 4.832 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. -0.00 min

Lab File: VV012414.D

Acq: 27 Aug 2019 08:49

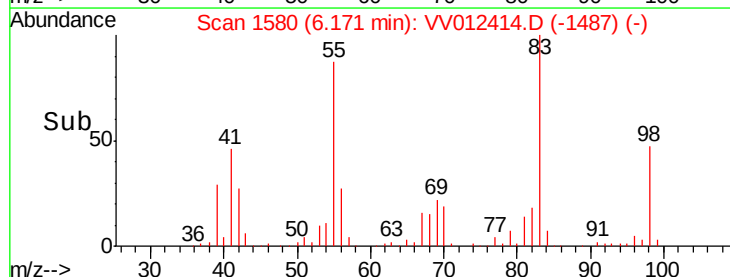
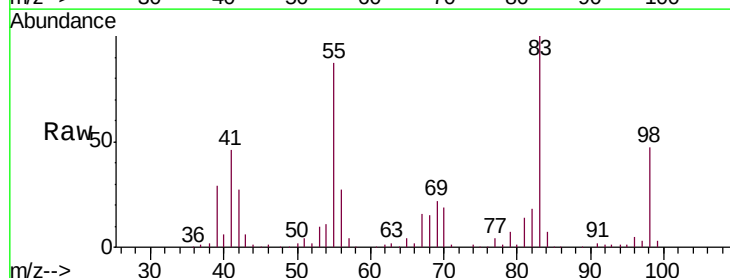
Tgt Ion: 83 Resp: 118452

Ion Ratio Lower Upper

83 100

55 85.3 64.6 97.0

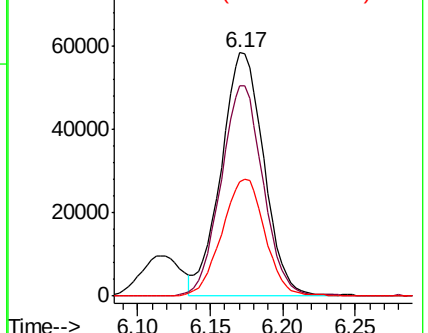
98 48.8 39.0 58.4

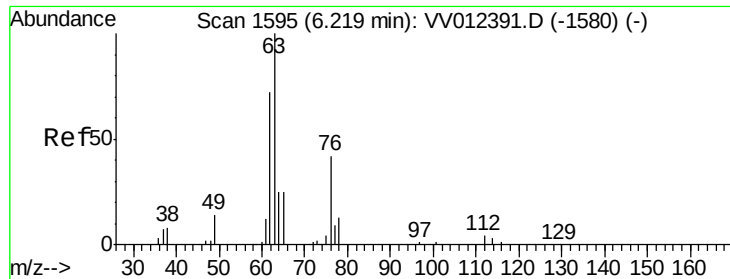


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

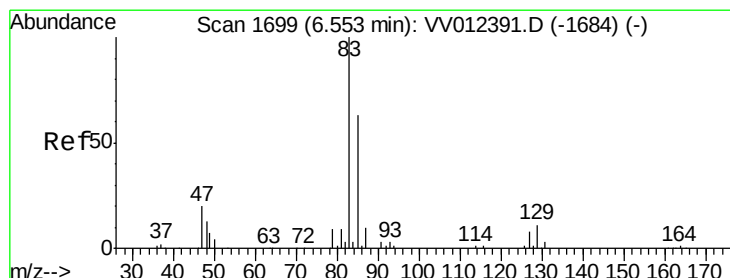
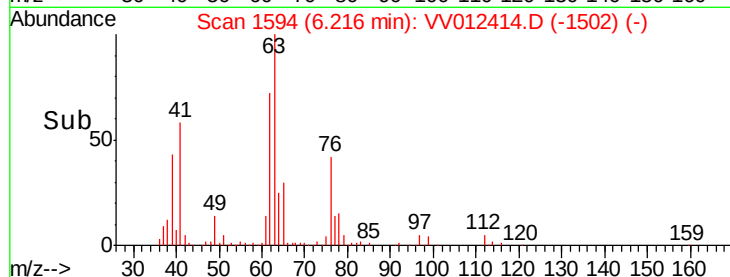
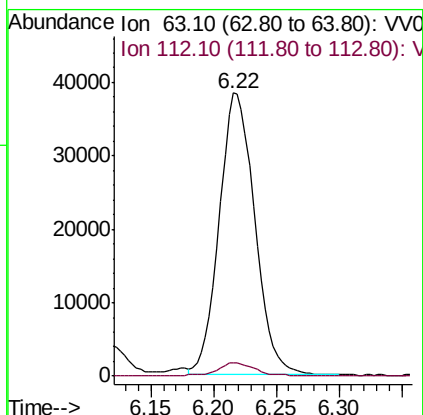
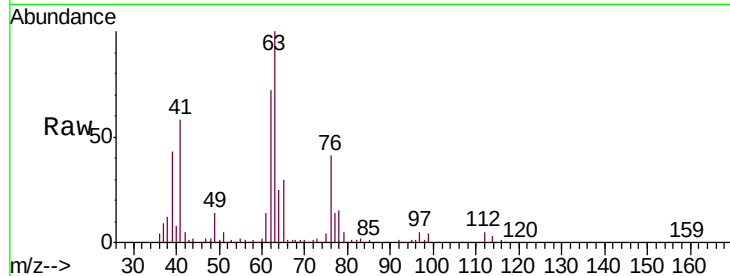




#37
 1,2-Dichloropropane
 Concen: 5.158 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. -0.00 min
 Lab File: VV012414.D
 Acq: 27 Aug 2019 08:49

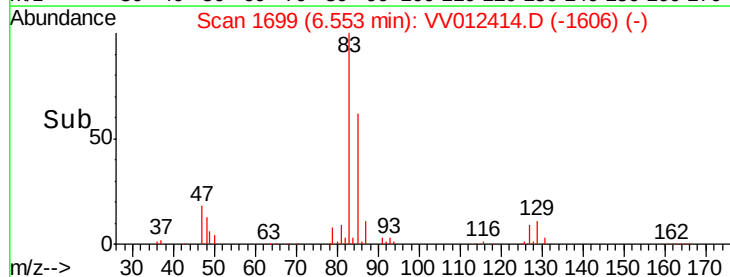
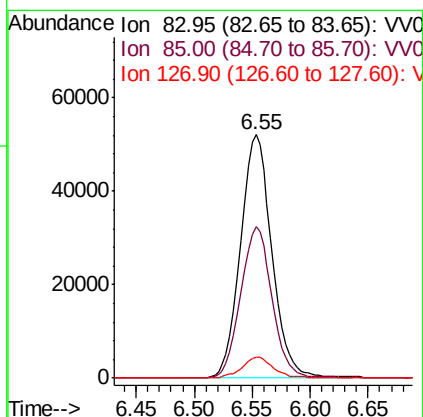
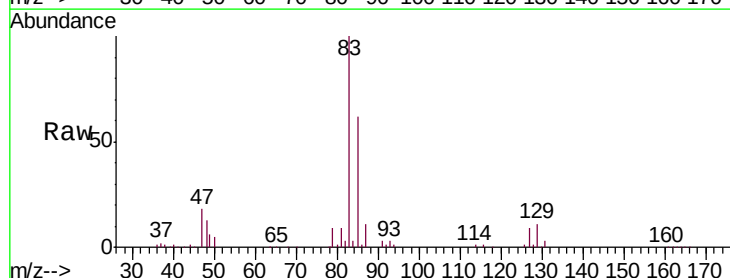
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00553

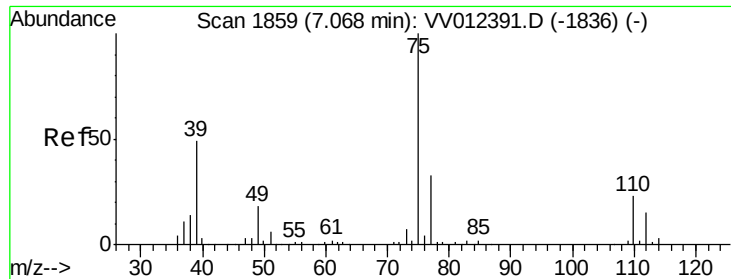
Tgt Ion: 63 Resp: 75594
 Ion Ratio Lower Upper
 63 100
 112 4.9 4.2 6.2



#38
 Bromodichloromethane
 Concen: 5.416 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV012414.D
 Acq: 27 Aug 2019 08:49

Tgt Ion: 83 Resp: 97910
 Ion Ratio Lower Upper
 83 100
 85 62.1 45.0 83.6
 127 8.6 7.7 11.5

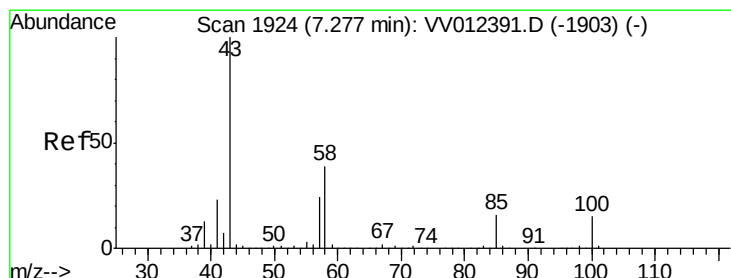
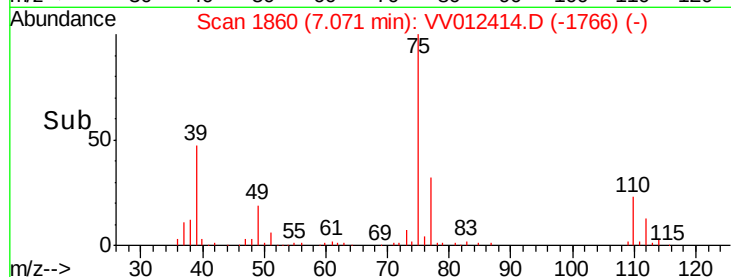
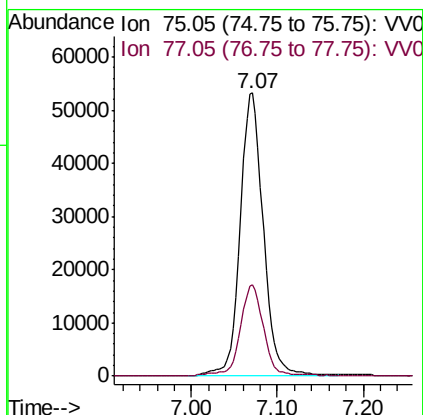
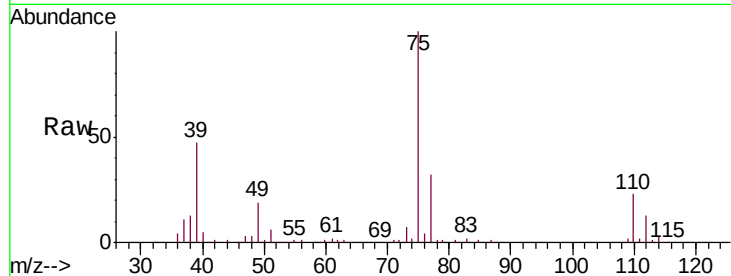




#39
 cis-1,3-Dichloropropene
 Concen: 5.086 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV012414.D
 Acq: 27 Aug 2019 08:49

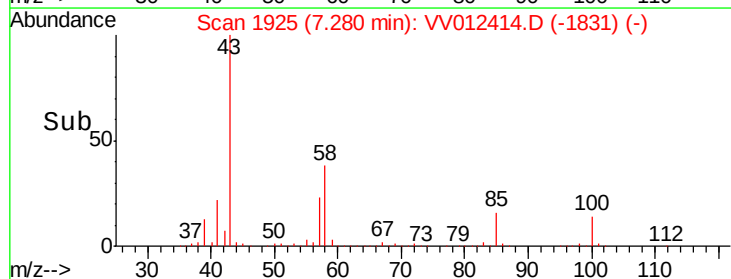
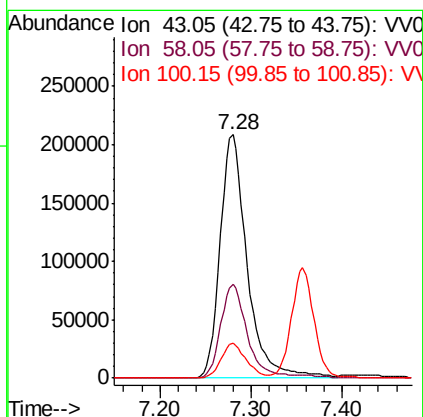
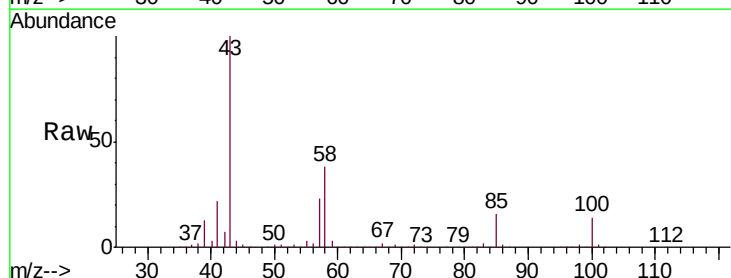
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00553

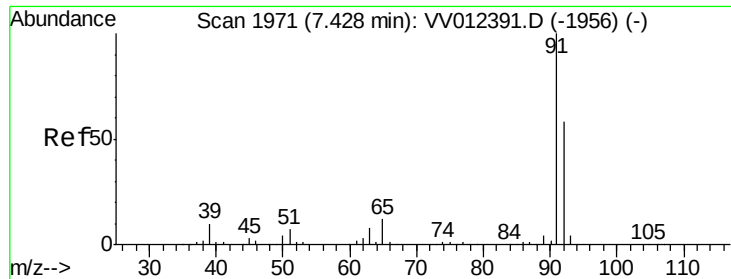
Tgt Ion: 75 Resp: 100206
 Ion Ratio Lower Upper
 75 100
 77 32.3 23.2 43.2



#40
 4-Methyl-2-pentanone
 Concen: 54.856 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. 0.00 min
 Lab File: VV012414.D
 Acq: 27 Aug 2019 08:49

Tgt Ion: 43 Resp: 431831
 Ion Ratio Lower Upper
 43 100
 58 38.8 30.7 46.1
 100 13.3 11.8 17.6





#42

Toluene

Concen: 5.544 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV012414.D

Acq: 27 Aug 2019 08:49

Instrument :

MSVOA_V

ClientSampleId :

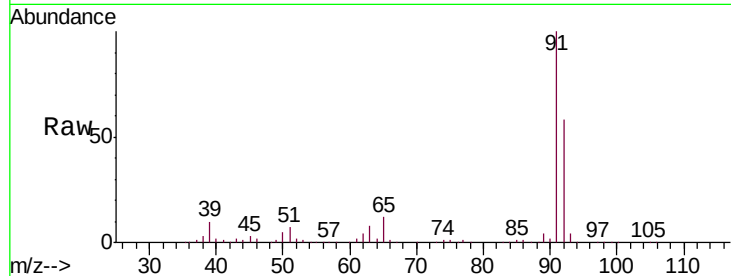
VSTD00553

Tgt Ion: 91 Resp: 327515

Ion Ratio Lower Upper

91 100

92 58.0 40.7 75.5



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

200000

150000

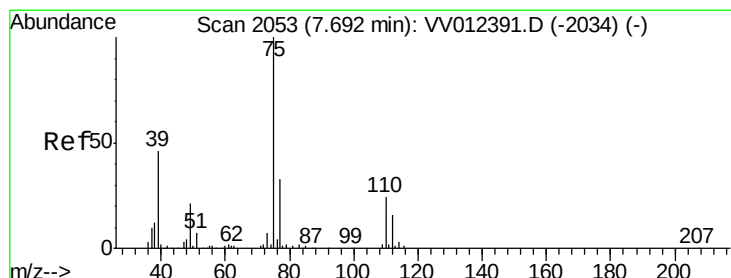
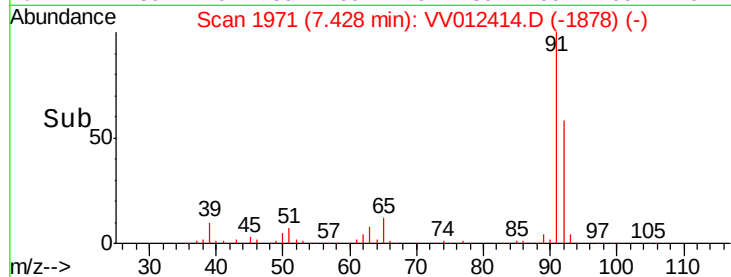
100000

50000

0

7.40 7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.302 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV012414.D

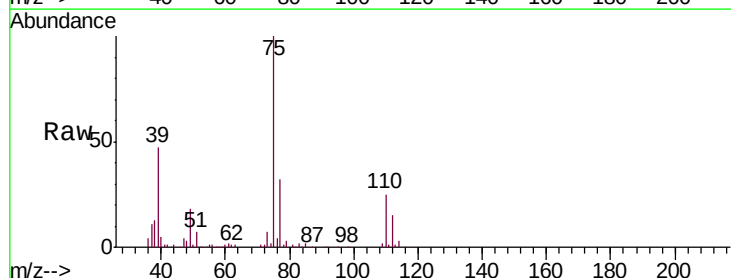
Acq: 27 Aug 2019 08:49

Tgt Ion: 75 Resp: 79013

Ion Ratio Lower Upper

75 100

77 32.2 22.6 42.0



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.69

50000

40000

30000

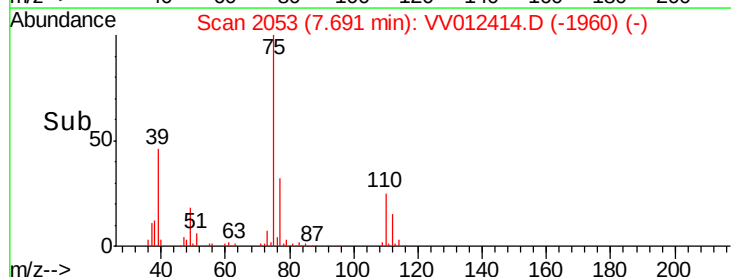
20000

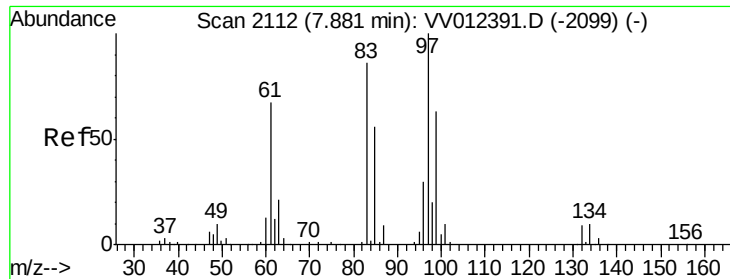
10000

0

7.60 7.65 7.70 7.75 7.80

Time-->

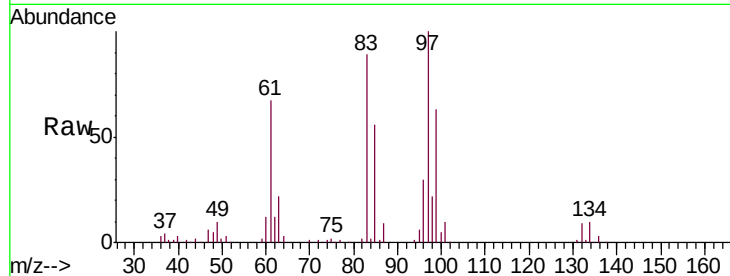




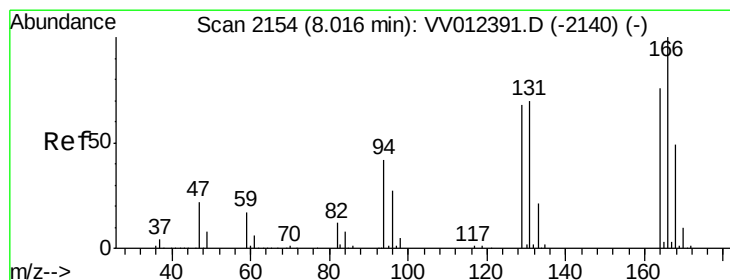
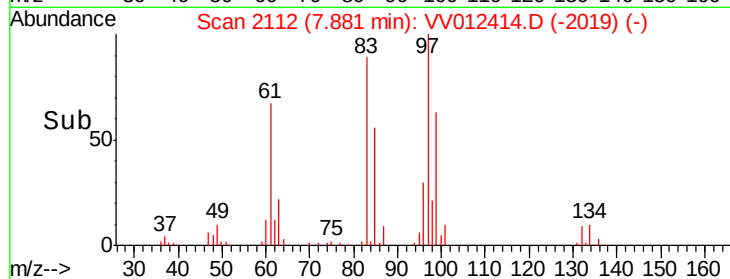
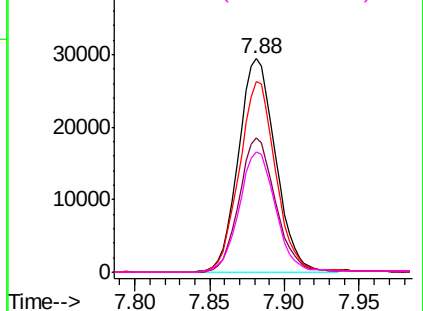
#45
 1,1,2-Trichloroethane
 Concen: 5.369 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV012414.D
 Acq: 27 Aug 2019 08:49

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00553

Tgt Ion:	97	Resp:	50972
Ion	Ratio	Lower	Upper
97	100		
99	62.9	45.0	83.6
83	89.3	59.3	110.1
85	56.4	38.8	72.0

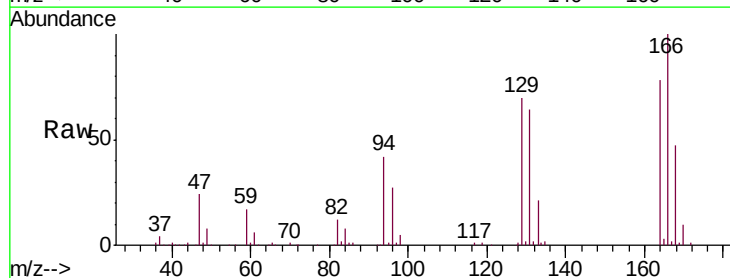


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

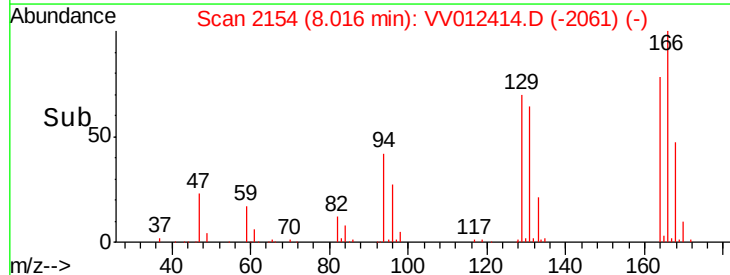
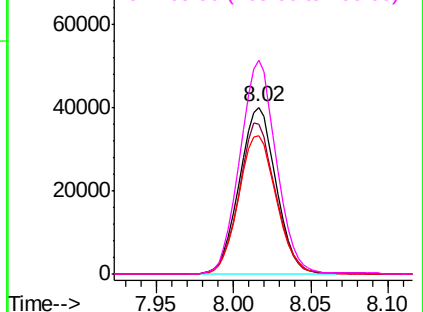


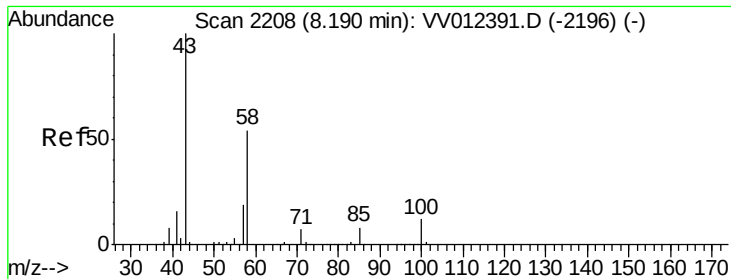
#47
 Tetrachloroethene
 Concen: 5.259 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV012414.D
 Acq: 27 Aug 2019 08:49

Tgt Ion:	164	Resp:	66235
Ion	Ratio	Lower	Upper
164	100		
129	89.9	60.6	112.6
131	82.6	58.8	109.2
166	128.1	87.6	162.8



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

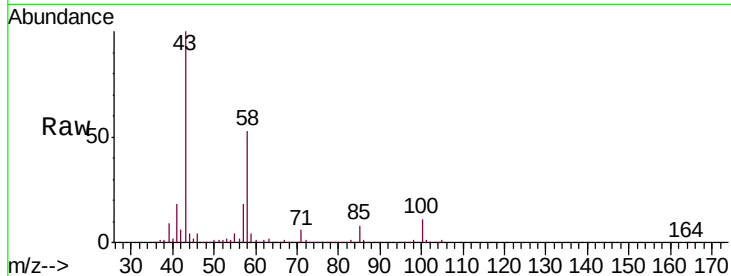




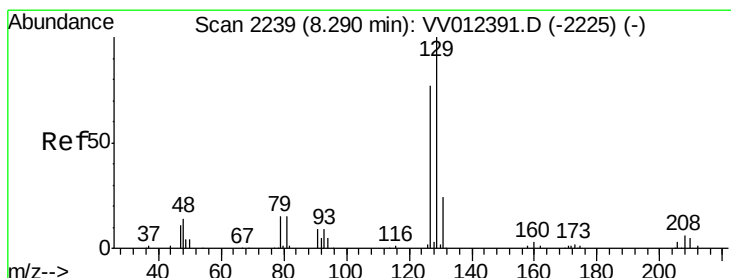
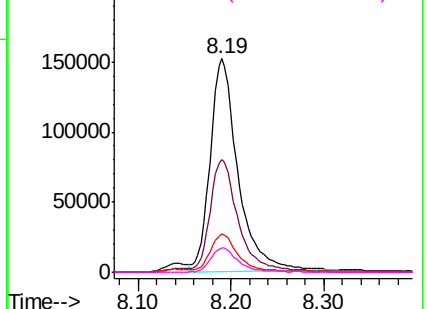
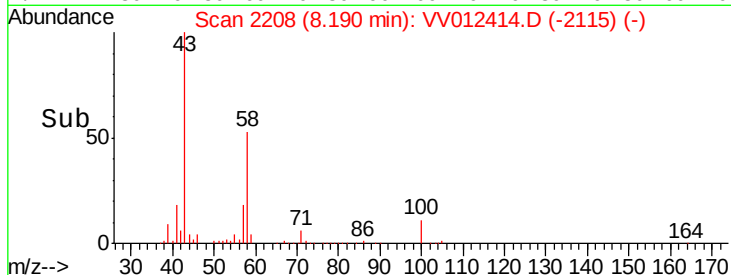
#48
2-Hexanone
Concen: 55.778 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VV012414.D
Acq: 27 Aug 2019 08:49

Instrument :
MSVOA_V
ClientSampleId :
VSTD00553

Tgt Ion: 43 Resp: 315942
Ion Ratio Lower Upper
43 100
58 52.9 46.3 69.5
57 17.2 14.9 22.3
100 11.1 9.7 14.5

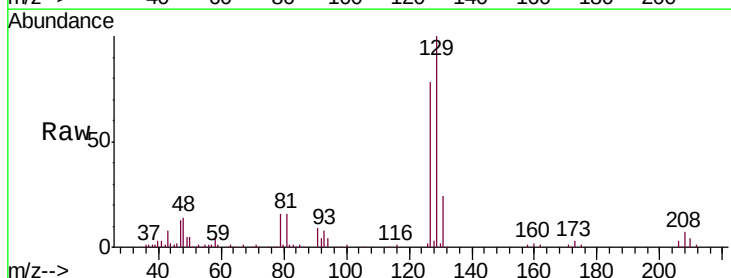


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

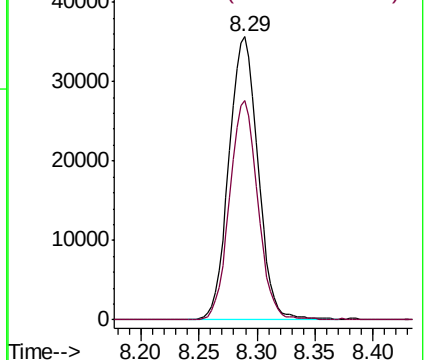
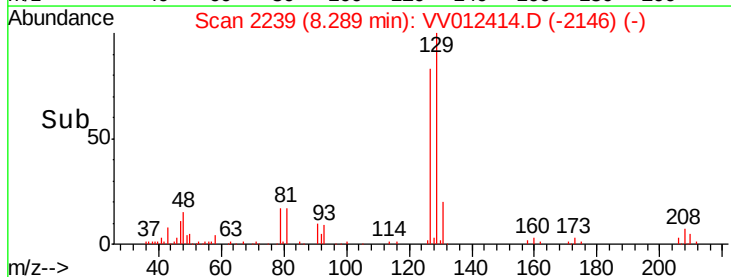


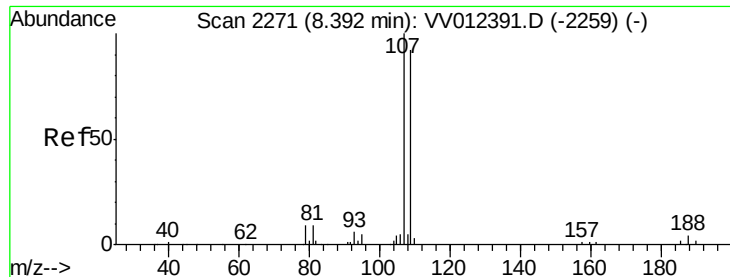
#49
Dibromochloromethane
Concen: 5.455 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV012414.D
Acq: 27 Aug 2019 08:49

Tgt Ion: 129 Resp: 62064
Ion Ratio Lower Upper
129 100
127 77.7 53.8 99.8



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

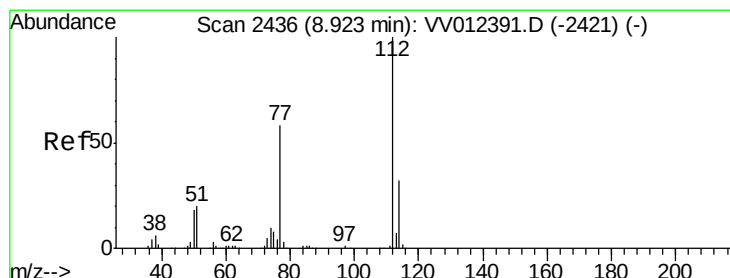
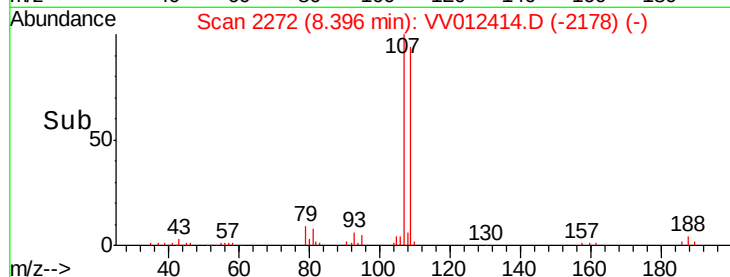
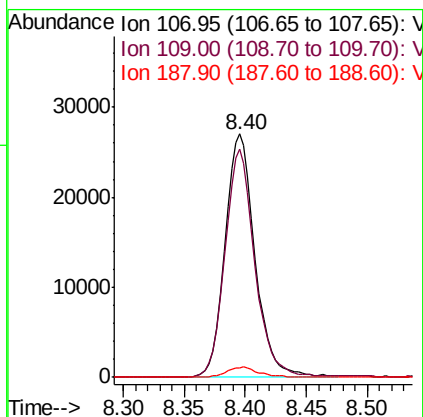
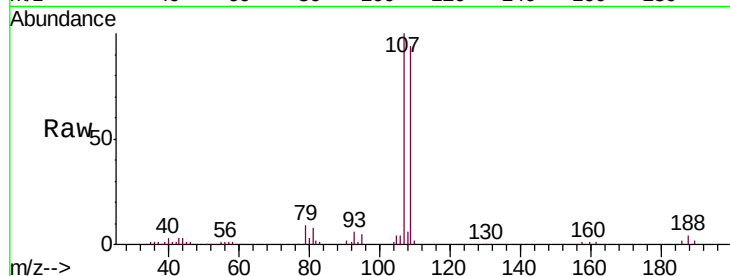




#50
 1,2-Dibromoethane
 Concen: 5.188 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VV012414.D
 Acq: 27 Aug 2019 08:49

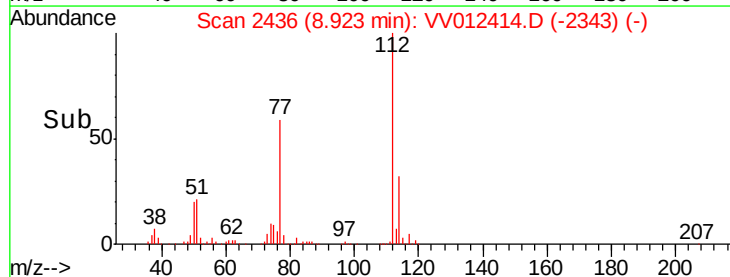
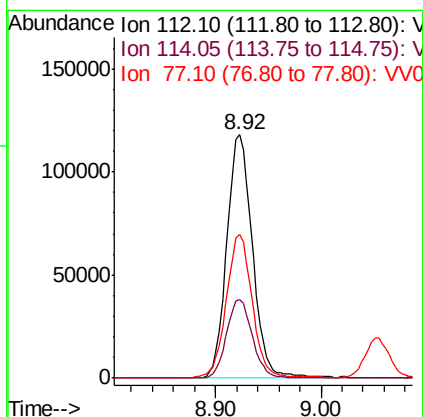
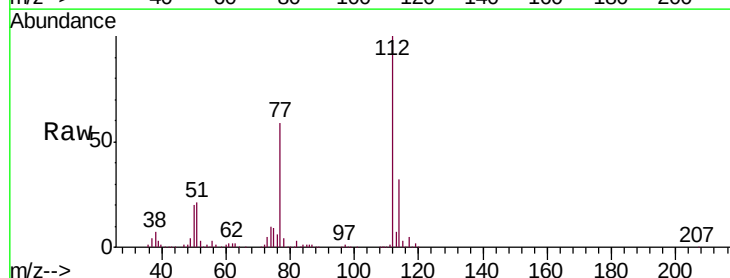
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00553

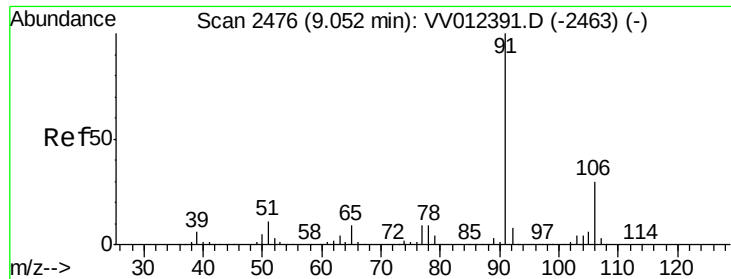
Tgt Ion:107 Resp: 46567
 Ion Ratio Lower Upper
 107 100
 109 93.9 64.9 120.5
 188 4.0 3.5 5.3



#51
 Chlorobenzene
 Concen: 5.157 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. -0.00 min
 Lab File: VV012414.D
 Acq: 27 Aug 2019 08:49

Tgt Ion:112 Resp: 199018
 Ion Ratio Lower Upper
 112 100
 114 32.2 23.0 42.6
 77 59.1 46.4 69.6





#52

Ethylbenzene

Concen: 5.206 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV012414.D

Acq: 27 Aug 2019 08:49

Instrument :

MSVOA_V

ClientSampleId :

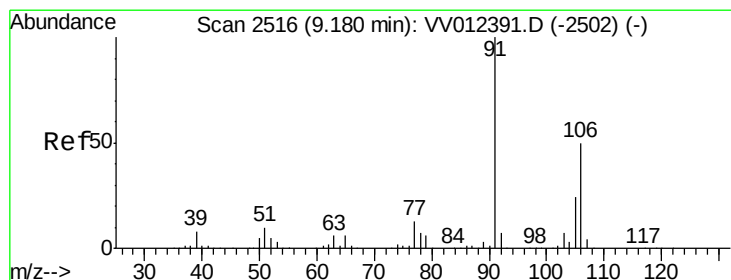
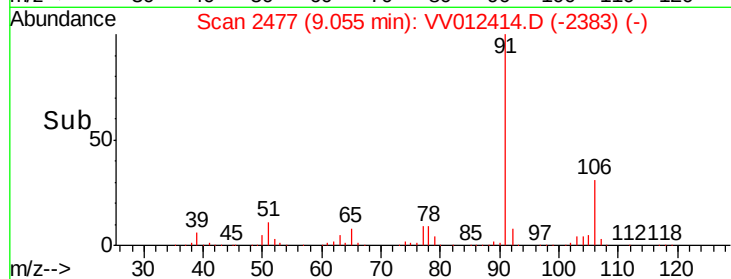
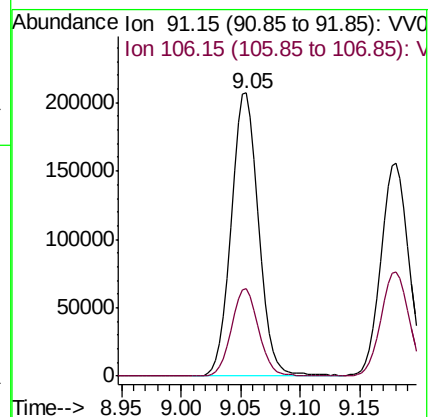
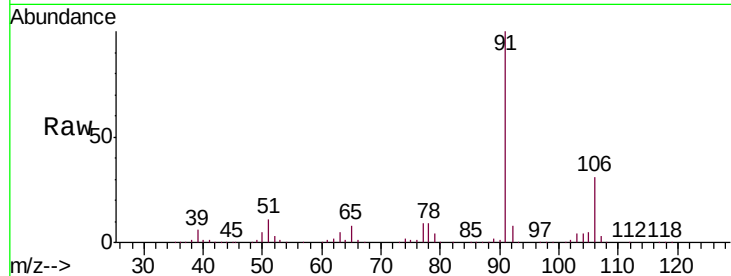
VSTD00553

Tgt Ion: 91 Resp: 331051

Ion Ratio Lower Upper

91 100

106 30.8 21.7 40.3



#53

m,p-xylene

Concen: 5.267 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV012414.D

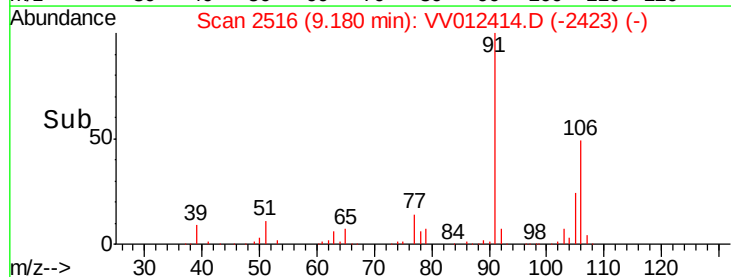
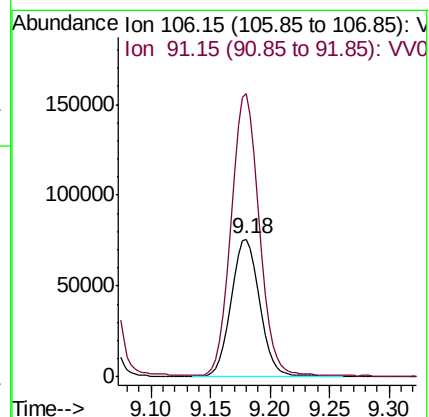
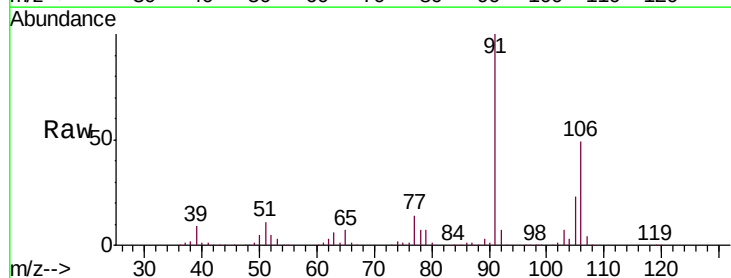
Acq: 27 Aug 2019 08:49

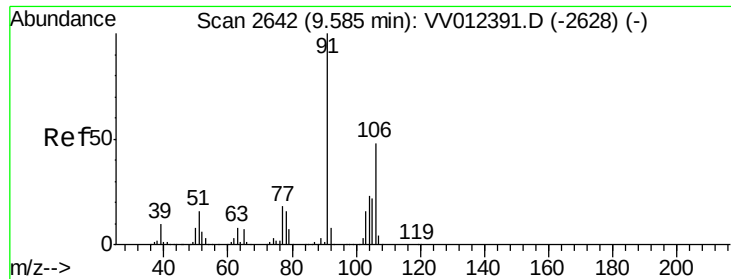
Tgt Ion: 106 Resp: 125564

Ion Ratio Lower Upper

106 100

91 205.1 140.8 261.4





#54

o-xylene

Concen: 5.283 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV012414.D

Acq: 27 Aug 2019 08:49

Instrument :

MSVOA_V

ClientSampleId :

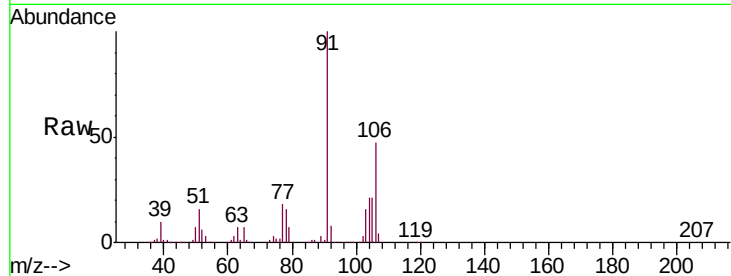
VSTD00553

Tgt Ion:106 Resp: 119856

Ion Ratio Lower Upper

106 100

91 210.9 149.5 277.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0

150000

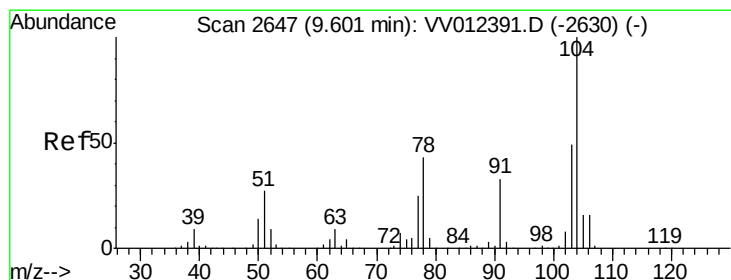
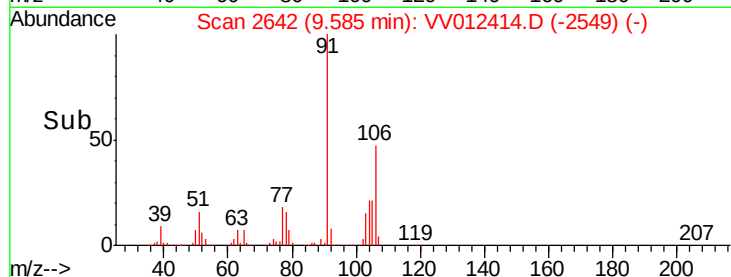
100000

50000

0

9.50 9.55 9.60 9.65

Time-->



#55

Styrene

Concen: 5.442 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. -0.00 min

Lab File: VV012414.D

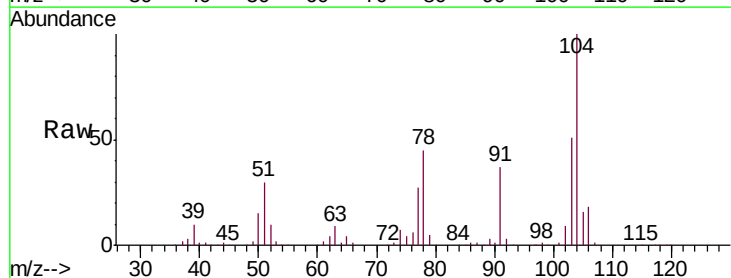
Acq: 27 Aug 2019 08:49

Tgt Ion:104 Resp: 206524

Ion Ratio Lower Upper

104 100

78 44.8 29.8 55.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0

150000

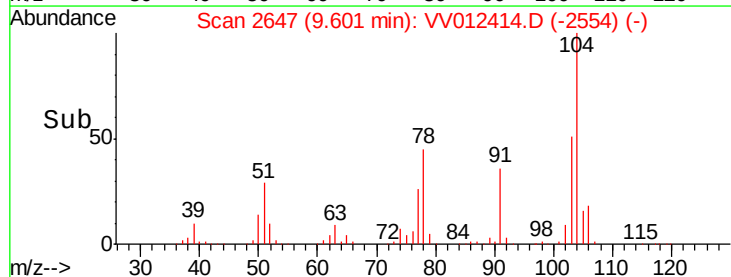
100000

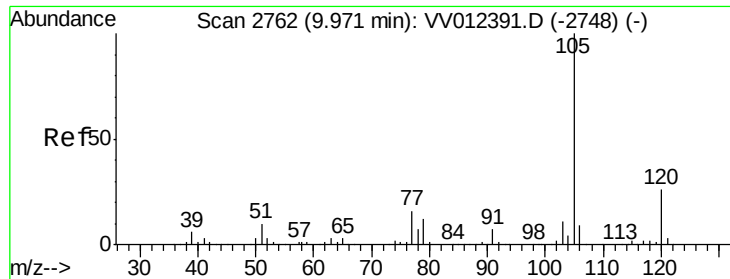
50000

0

9.50 9.60 9.70 9.80

Time-->





#56

Isopropylbenzene

Concen: 5.270 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV012414.D

Acq: 27 Aug 2019 08:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD00553

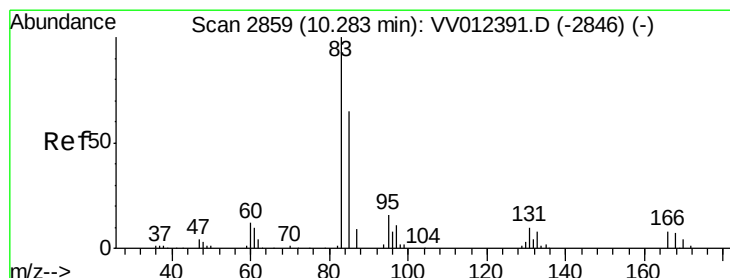
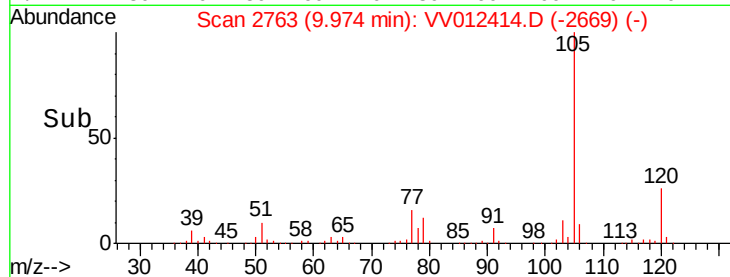
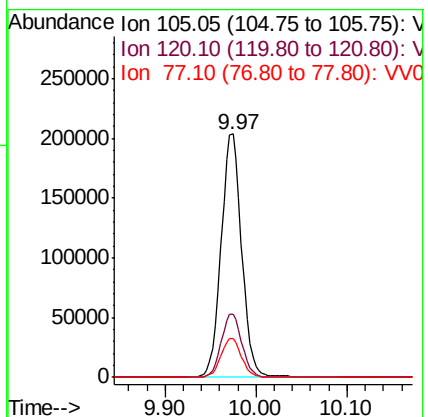
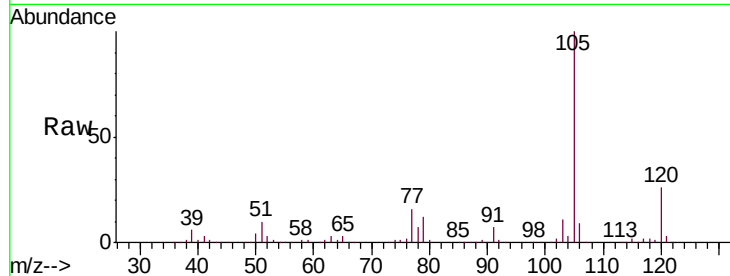
Tgt Ion: 105 Resp: 319949

Ion Ratio Lower Upper

105 100

120 26.3 21.5 32.3

77 16.0 12.5 18.7



#58

1,1,2,2-Tetrachloroethane

Concen: 5.107 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV012414.D

Acq: 27 Aug 2019 08:49

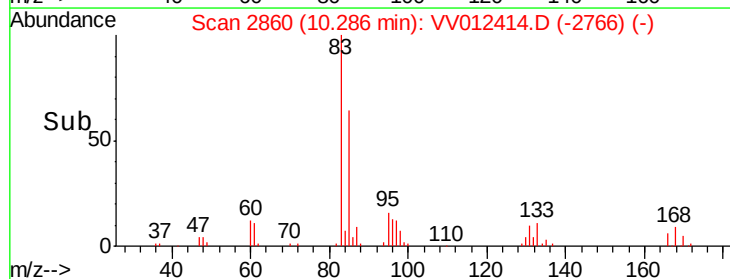
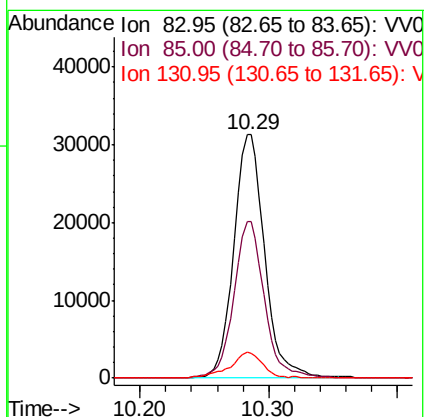
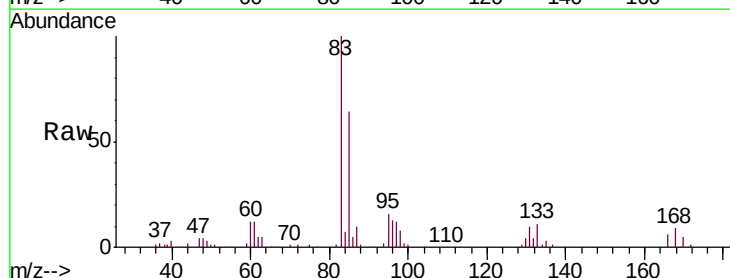
Tgt Ion: 83 Resp: 52046

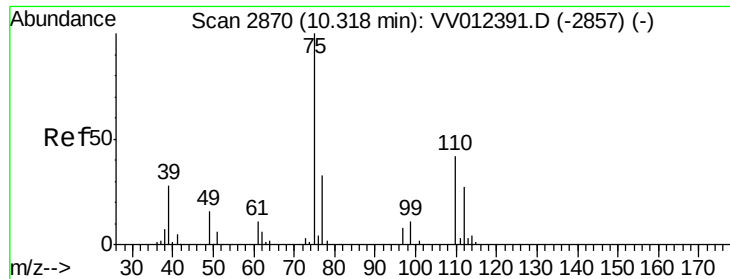
Ion Ratio Lower Upper

83 100

85 64.2 46.5 86.5

131 10.1 8.9 13.3

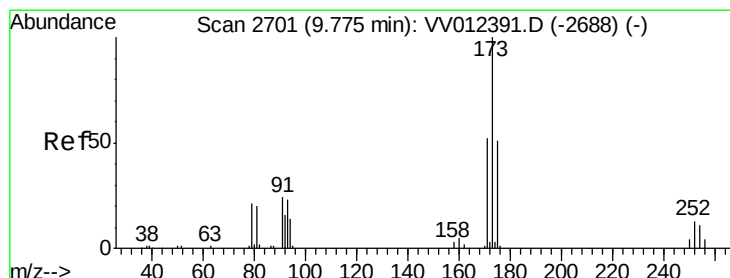
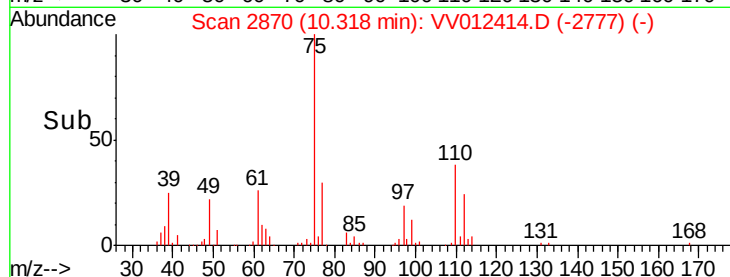
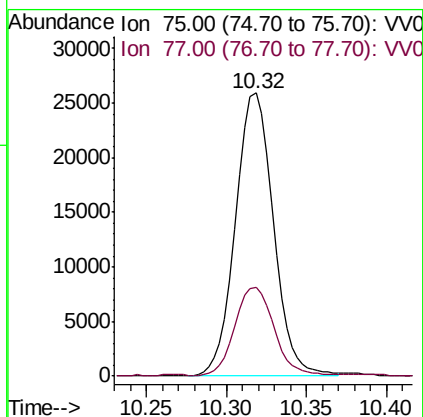
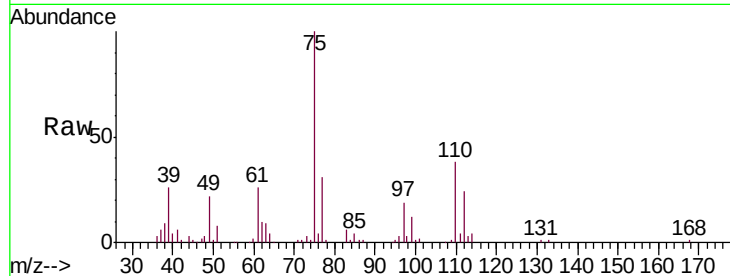




#59
 1,2,3-Trichloropropane
 Concen: 5.217 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VV012414.D
 Acq: 27 Aug 2019 08:49

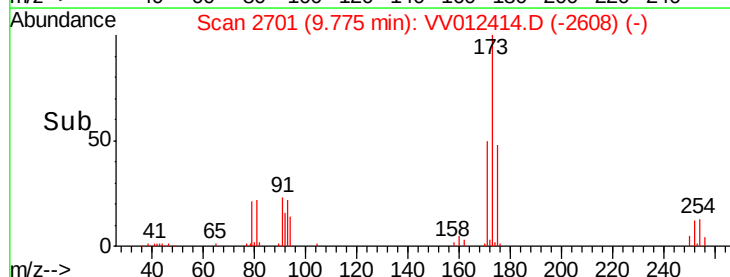
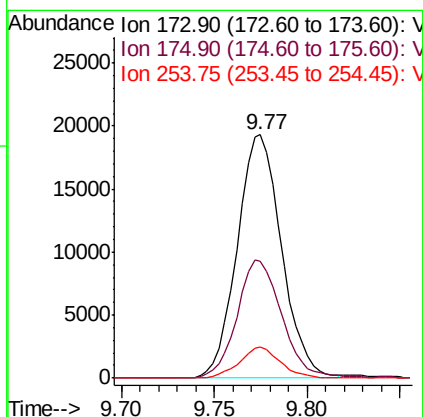
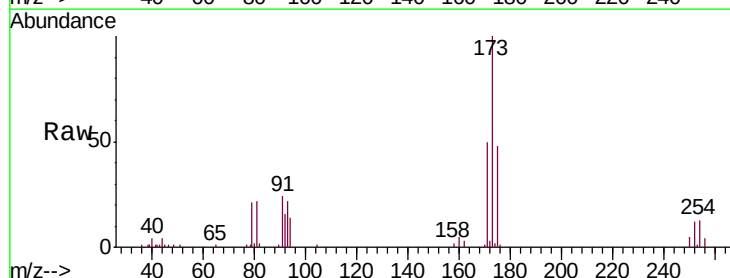
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00553

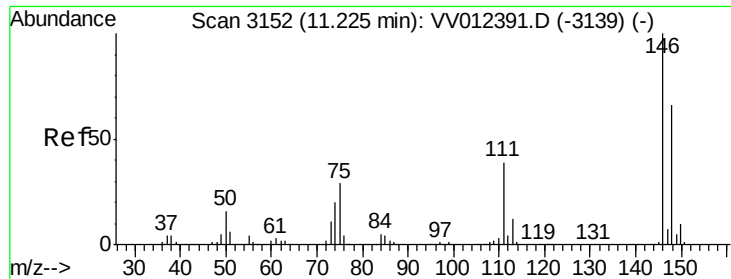
Tgt Ion: 75 Resp: 41999
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.9 38.9



#61
 Bromoform
 Concen: 4.899 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. -0.00 min
 Lab File: VV012414.D
 Acq: 27 Aug 2019 08:49

Tgt Ion: 173 Resp: 32155
 Ion Ratio Lower Upper
 173 100
 175 48.8 40.7 61.1
 254 11.5 9.5 14.3





#62

1,3-Dichlorobenzene

Concen: 4.992 ug/L

RT: 11.23 min Scan# 3152

Delta R.T. -0.00 min

Lab File: VV012414.D

Acq: 27 Aug 2019 08:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD00553

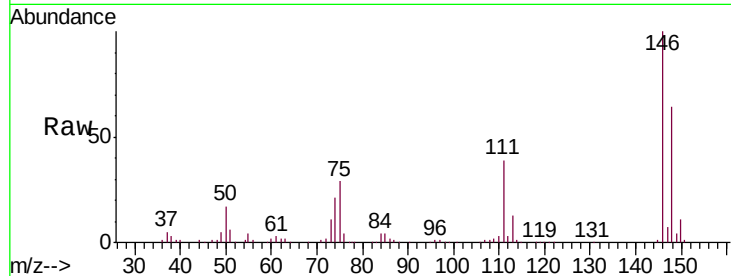
Tgt Ion:146 Resp: 155114

Ion Ratio Lower Upper

146 100

111 39.4 27.0 50.2

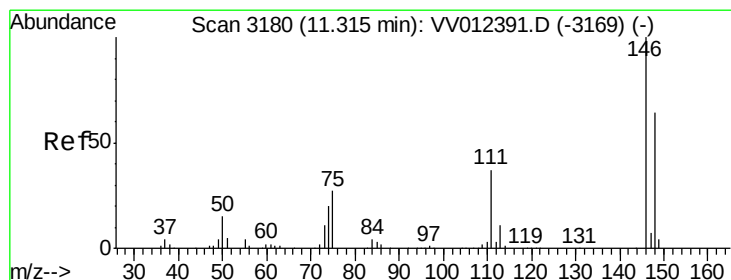
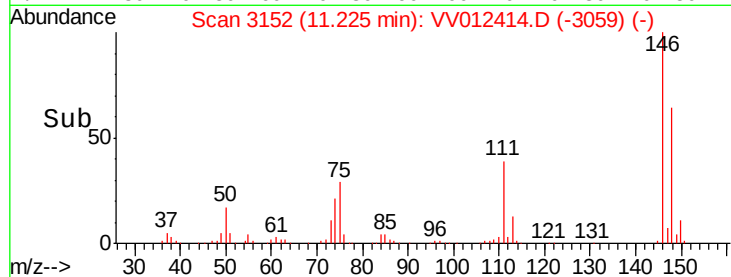
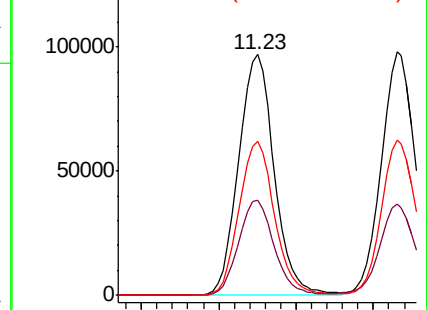
148 63.8 44.7 83.1



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: 4.977 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. -0.00 min

Lab File: VV012414.D

Acq: 27 Aug 2019 08:49

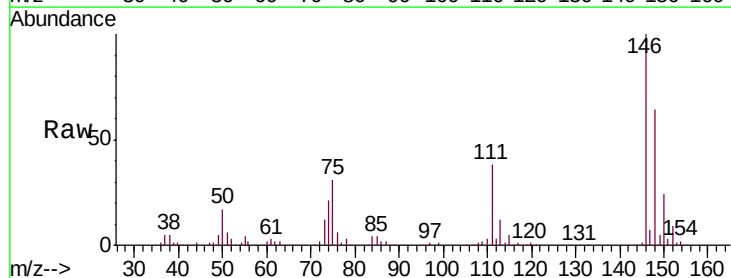
Tgt Ion:146 Resp: 154884

Ion Ratio Lower Upper

146 100

111 37.6 25.7 47.7

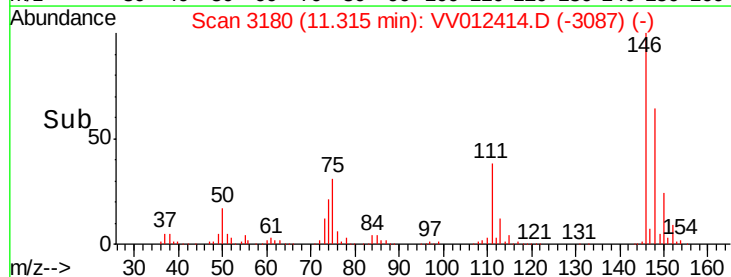
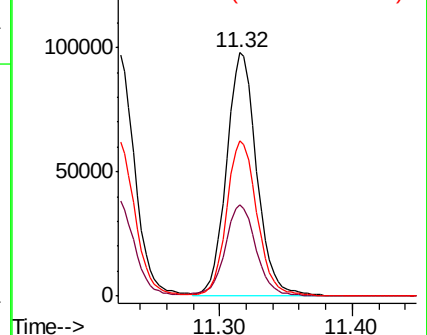
148 63.9 45.0 83.6

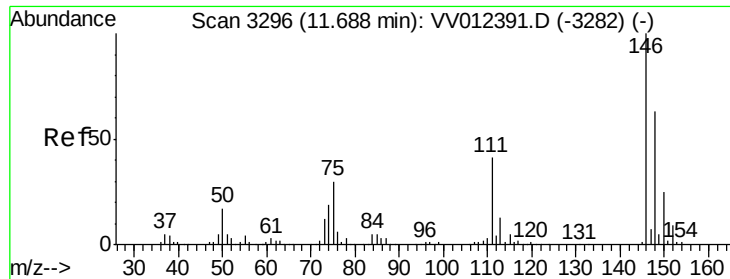


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

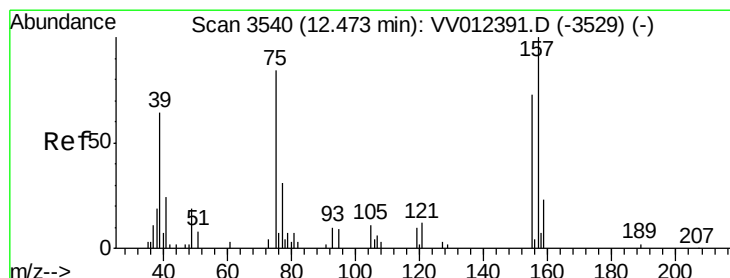
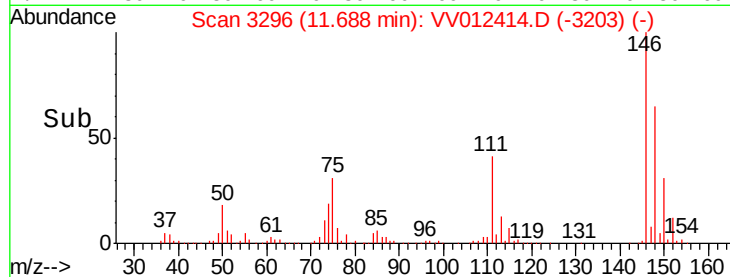
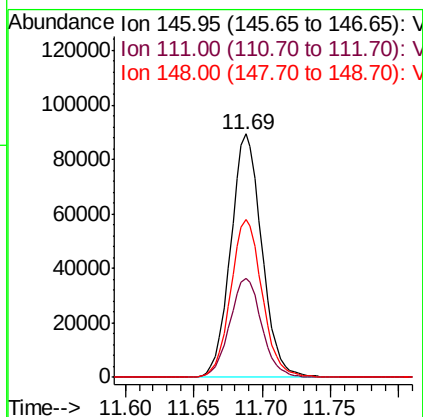
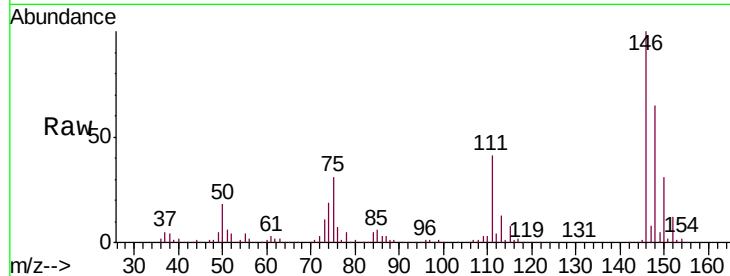




#65
 1,2-Dichlorobenzene
 Concen: 4.955 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. -0.00 min
 Lab File: VV012414.D
 Acq: 27 Aug 2019 08:49

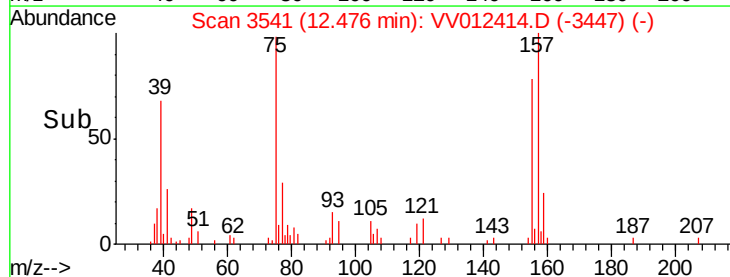
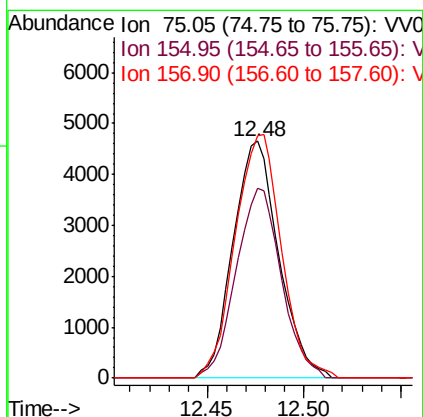
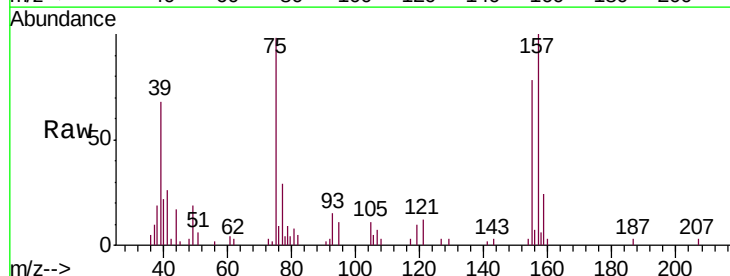
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00553

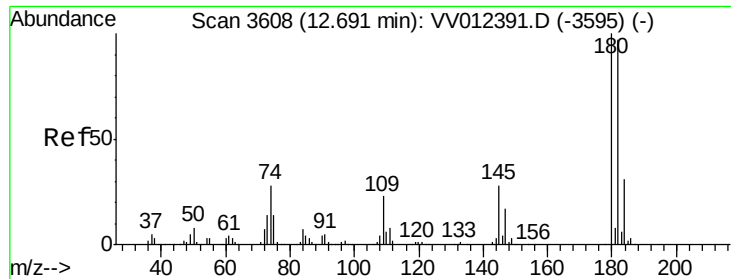
Tgt Ion: 146 Resp: 141565
 Ion Ratio Lower Upper
 146 100
 111 40.7 31.9 47.9
 148 64.6 50.2 75.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.666 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.00 min
 Lab File: VV012414.D
 Acq: 27 Aug 2019 08:49

Tgt Ion: 75 Resp: 7643
 Ion Ratio Lower Upper
 75 100
 155 79.8 72.6 109.0
 157 102.4 80.5 120.7

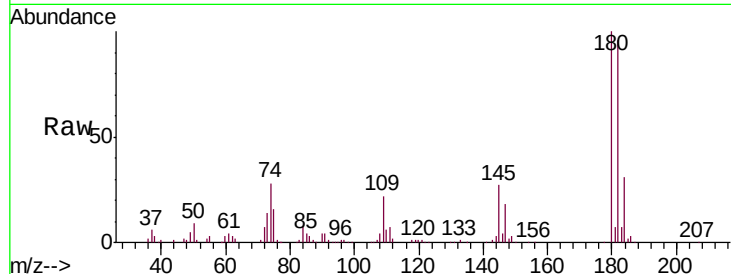




#67
 1,3,5-Trichlorobenzene
 Concen: 4.761 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV012414.D
 Acq: 27 Aug 2019 08:49

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00553

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.1	76.4	114.6
184	30.7	23.9	35.9
145	28.0	22.1	33.1



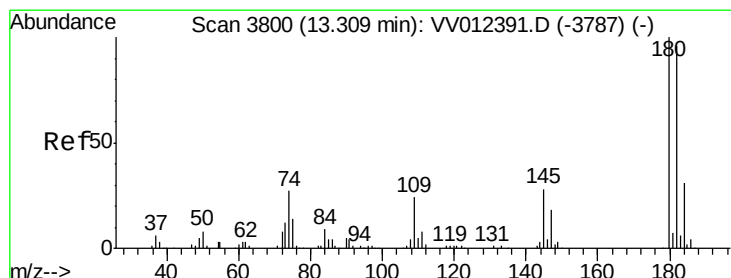
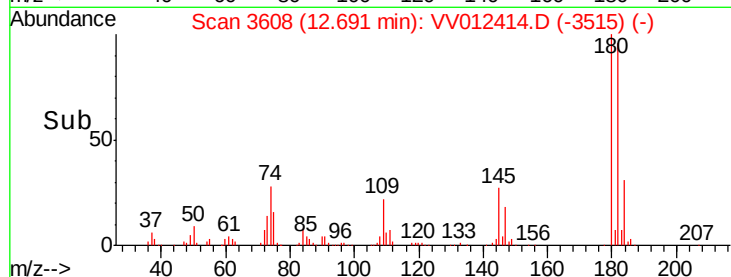
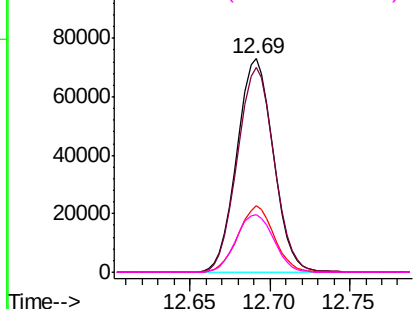
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

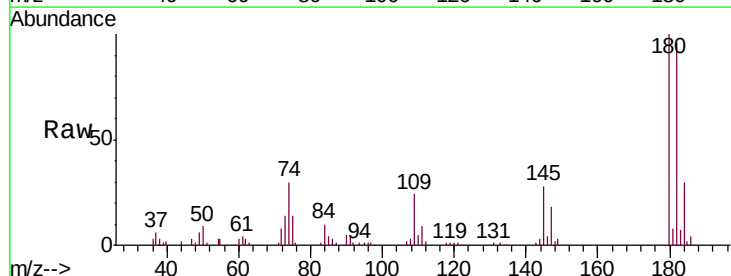
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.582 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. -0.00 min
 Lab File: VV012414.D
 Acq: 27 Aug 2019 08:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	77.3	115.9
145	28.8	22.6	34.0

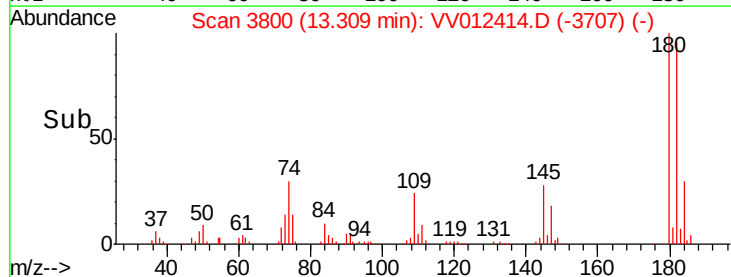
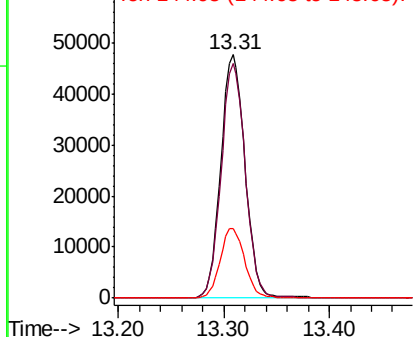


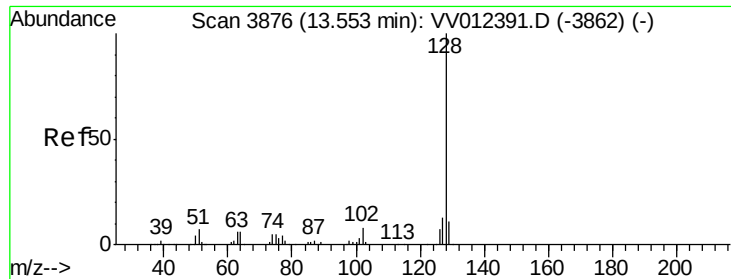
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 3.906 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. -0.00 min

Lab File: VV012414.D

Acq: 27 Aug 2019 08:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD00553

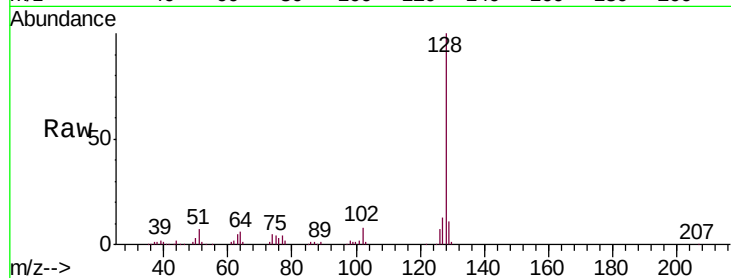
Tgt Ion:128 Resp: 89639

Ion Ratio Lower Upper

128 100

129 11.3 8.6 12.8

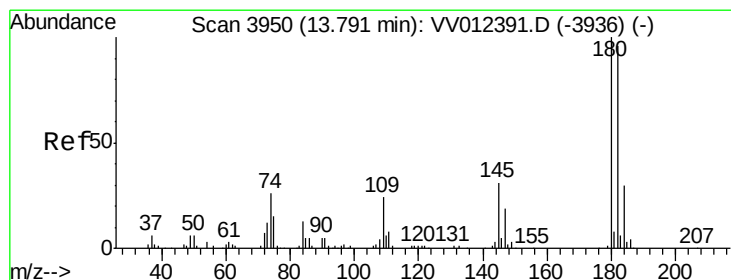
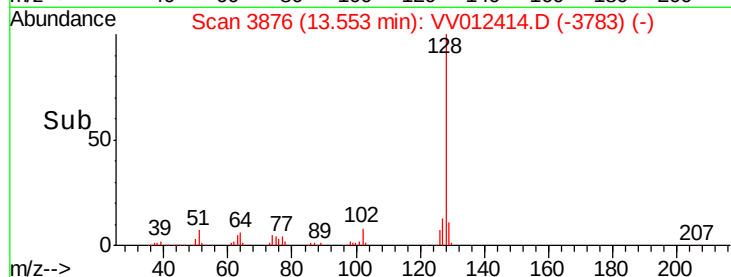
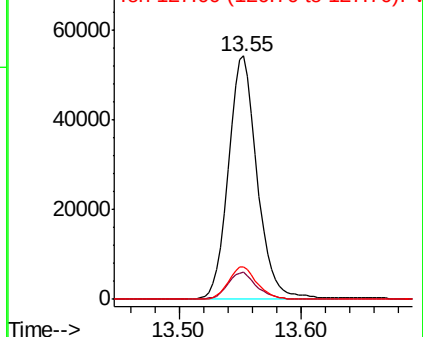
127 13.4 10.5 15.7



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: 4.640 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV012414.D

Acq: 27 Aug 2019 08:49

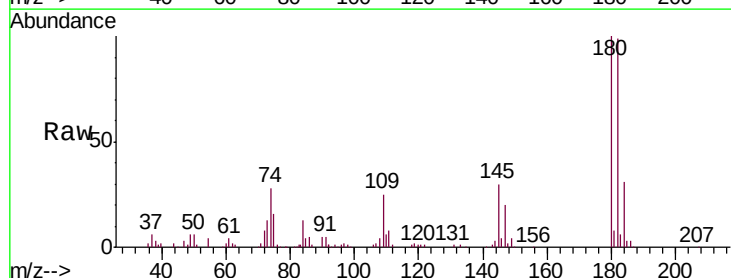
Tgt Ion:180 Resp: 72053

Ion Ratio Lower Upper

180 100

182 96.0 75.1 112.7

145 31.0 23.4 35.2



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

