

Data File : VV010496.D
Acq On : 25 Apr 2019 15:16
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00548

Quant Time: Apr 26 05:11:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Apr 26 05:08:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	225168	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	233255	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	126513	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	51524	3.92	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.40%
7) Chloroethane-d5	1.58	69	41899	4.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.20%
11) 1,1-Dichloroethene-d2	2.13	63	108383	4.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.40%
20) 2-Butanone-d5	3.95	46	147039	52.83	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.66%
24) Chloroform-d	4.40	84	131091	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
26) 1,2-Dichloroethane-d4	5.08	65	68024	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.20%
32) Benzene-d6	5.09	84	265746	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
36) 1,2-Dichloropropane-d6	6.12	67	76897	4.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.20%
41) Toluene-d8	7.36	98	263613	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
43) trans-1,3-Dichloropropene-	7.66	79	29465	4.57	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.40%
46) 2-Hexanone-d5	8.14	63	118908	48.36	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.72%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	62877	5.18	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	110463	4.72	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	98355	5.601	ug/L 96
3) Chloromethane	1.25	50	71450	5.038	ug/L 99
5) Vinyl chloride	1.32	62	75638	4.929	ug/L 98
6) Bromomethane	1.53	94	46839	4.642	ug/L 99
8) Chloroethane	1.60	64	43937	5.098	ug/L 99
9) Trichlorofluoromethane	1.77	101	150378	5.287	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	76368	5.103	ug/L 98
12) 1,1-Dichloroethene	2.14	96	64842	4.778	ug/L 96
13) Acetone	2.19	43	76266	45.545	ug/L 100
14) Carbon disulfide	2.32	76	173527	4.731	ug/L 100
15) Methyl Acetate	2.46	43	18717	4.315	ug/L 96
16) Methylene chloride	2.53	84	66019	4.455	ug/L 94
17) Methyl tert-butyl Ether	2.81	73	148904	4.672	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	70266	4.748	ug/L 98
19) 1,1-Dichloroethane	3.23	63	116161	4.924	ug/L 98
21) 2-Butanone	4.04	43	167442	57.047	ug/L 100
22) cis-1,2-Dichloroethene	3.96	96	90395	5.863	ug/L 99

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Quant Title : TRACE VOA SOM01.0
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	39296	5.845	ug/L	91
25) Chloroform	4.42	83	165552	5.955	ug/L	98
27) 1,2-Dichloroethane	5.18	62	87685	5.374	ug/L	99
29) 1,1,1-Trichloroethane	4.65	97	144477	5.318	ug/L	99
30) Cyclohexane	4.72	56	115183	5.027	ug/L	97
31) Carbon tetrachloride	4.87	117	132892	5.382	ug/L	99
33) Benzene	5.14	78	325080	5.451	ug/L	100
34) Trichloroethene	5.96	95	91393	5.312	ug/L	96
35) Methylcyclohexane	6.17	83	135495	5.247	ug/L	99
37) 1,2-Dichloropropane	6.22	63	75567	5.221	ug/L	99
38) Bromodichloromethane	6.56	83	103659	5.321	ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	108459	5.053	ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	402660	49.207	ug/L	99
42) Toluene	7.43	91	371542	5.475	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	86302	5.207	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	59078	5.573	ug/L	95
47) Tetrachloroethene	8.02	164	87215	5.676	ug/L	96
48) 2-Hexanone	8.19	43	284615	50.003	ug/L	97
49) Dibromochloromethane	8.29	129	74889	5.469	ug/L	94
50) 1,2-Dibromoethane	8.40	107	57033	5.550	ug/L	95
51) Chlorobenzene	8.92	112	253043	5.489	ug/L	97
52) Ethylbenzene	9.05	91	401976	5.331	ug/L	99
53) m,p-xylene	9.18	106	164858	5.560	ug/L	95
54) o-xylene	9.59	106	155933	5.361	ug/L	98
55) Styrene	9.60	104	272459	5.774	ug/L	96
56) Isopropylbenzene	9.97	105	416800	5.380	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	65244	5.351	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	47206	5.273	ug/L	96
61) Bromoform	9.77	173	40781	5.437	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	211920	5.376	ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	217164	5.470	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	203030	5.429	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	9160	4.523	ug/L #	83
67) 1,3,5-Trichlorobenzene	12.69	180	180440	5.589	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	134103	5.490	ug/L	98
69) Naphthalene	13.55	128	162973	4.497	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	124598	5.380	ug/L	99

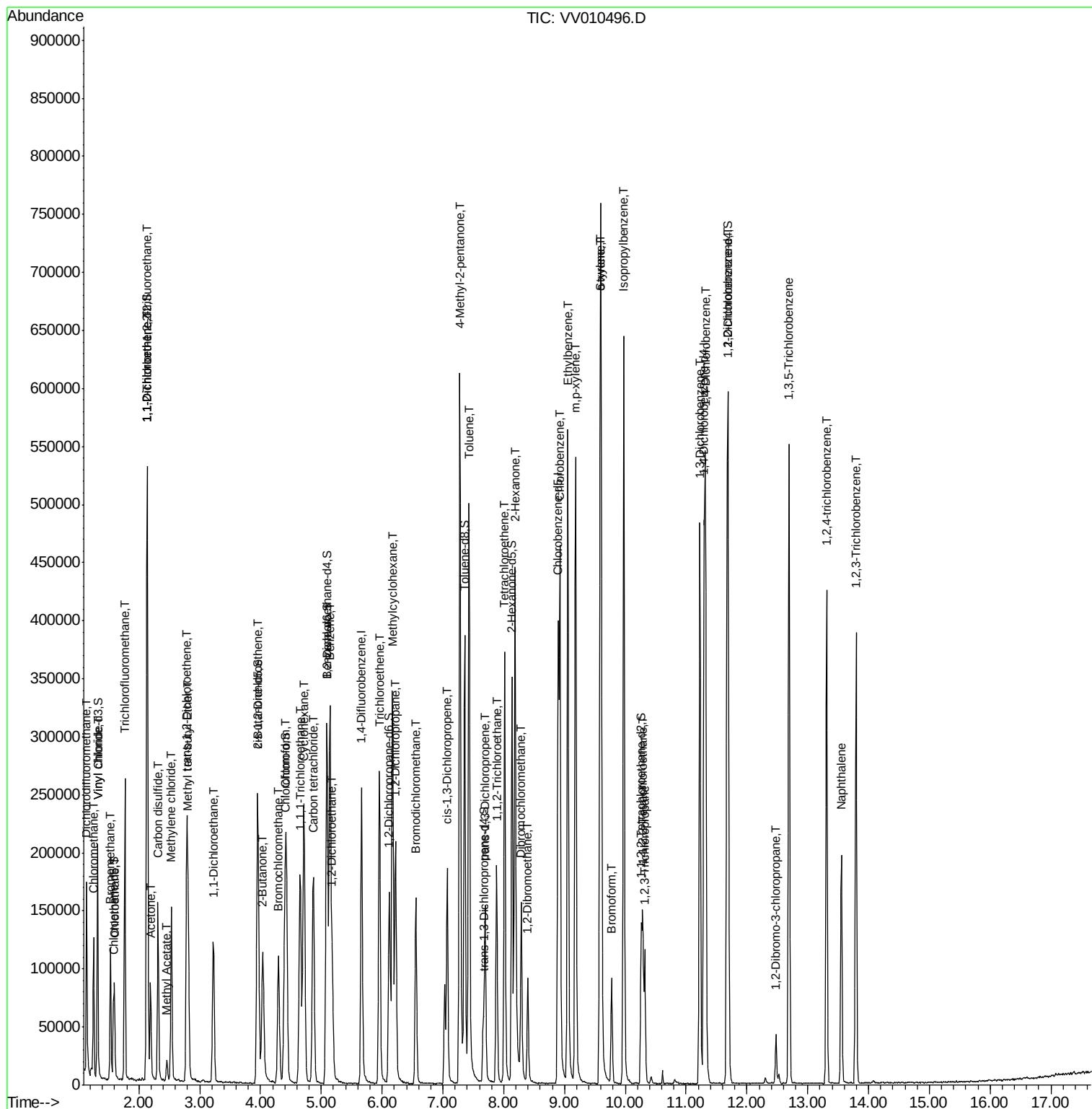
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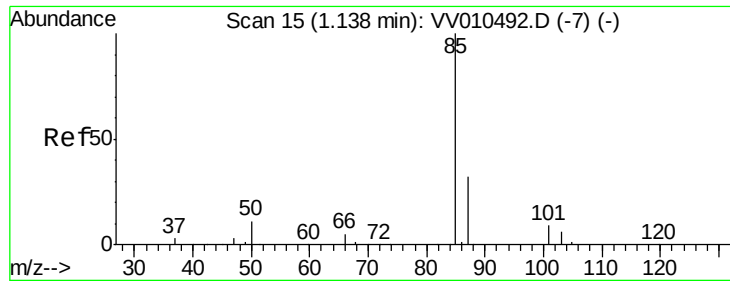
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Acq On       : 25 Apr 2019   15:16
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#2

Dichlorodifluoromethane

Concen: 5.601 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV010496.D

Acq: 25 Apr 2019 15:16

Instrument :

MSVOA_V

ClientSampleId :

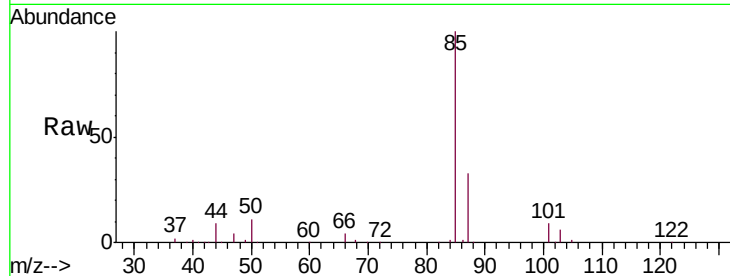
VSTD00548

Tgt Ion: 85 Resp: 98355

Ion Ratio Lower Upper

85 100

87 33.1 24.8 37.2



Abundance Ion 85.00 (84.70 to 85.70): VV010492.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV010492.D (-7) (-)

1.14

100000

80000

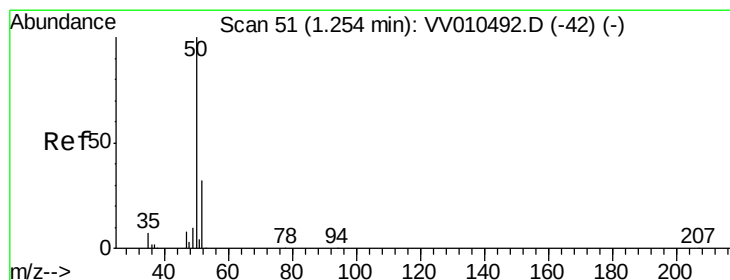
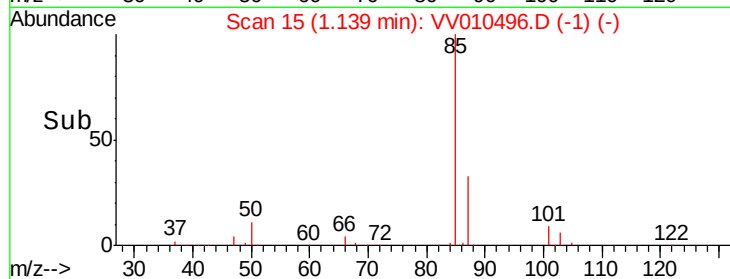
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 5.038 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV010496.D

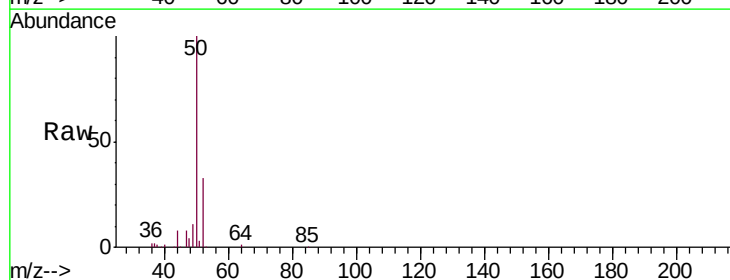
Acq: 25 Apr 2019 15:16

Tgt Ion: 50 Resp: 71450

Ion Ratio Lower Upper

50 100

52 33.3 22.7 42.3



Abundance Ion 50.05 (49.75 to 50.75): VV010492.D (-42) (-)

Ion 52.05 (51.75 to 52.75): VV010492.D (-42) (-)

1.25

80000

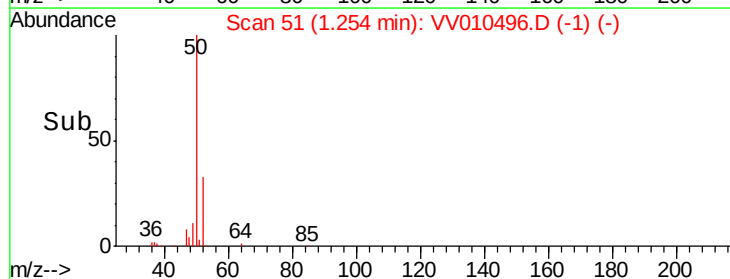
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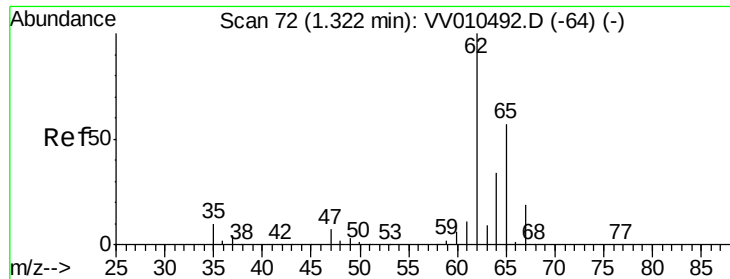
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 4.929 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV010496.D

Acq: 25 Apr 2019 15:16

Instrument :

MSVOA_V

ClientSampleId :

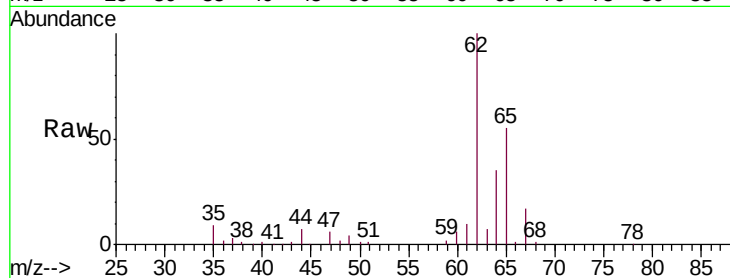
VSTD00548

Tgt Ion: 62 Resp: 75638

Ion Ratio Lower Upper

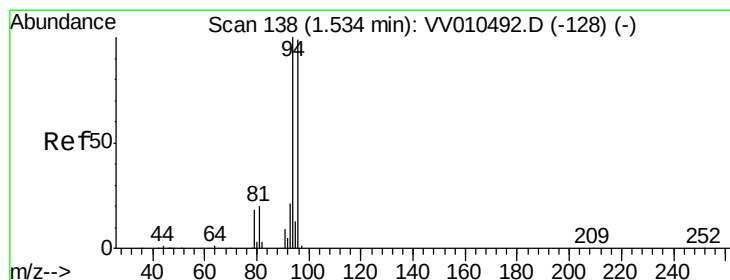
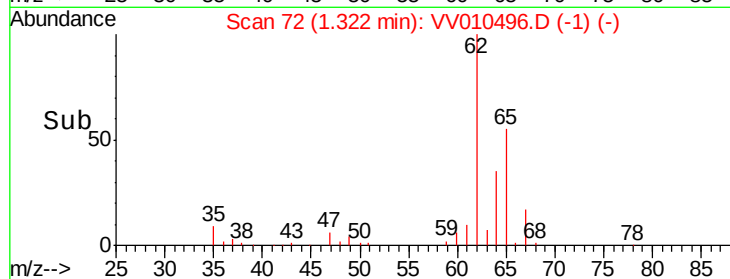
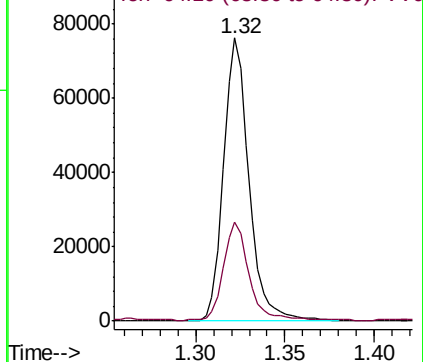
62 100

64 34.9 25.4 47.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 4.642 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV010496.D

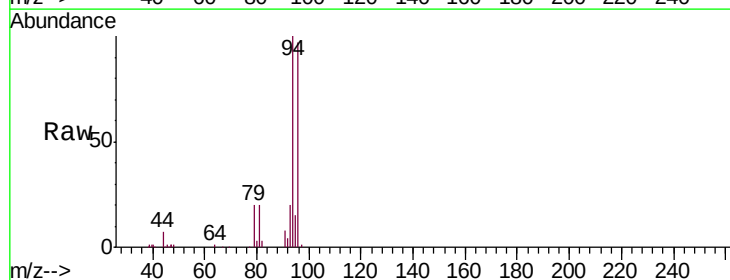
Acq: 25 Apr 2019 15:16

Tgt Ion: 94 Resp: 46839

Ion Ratio Lower Upper

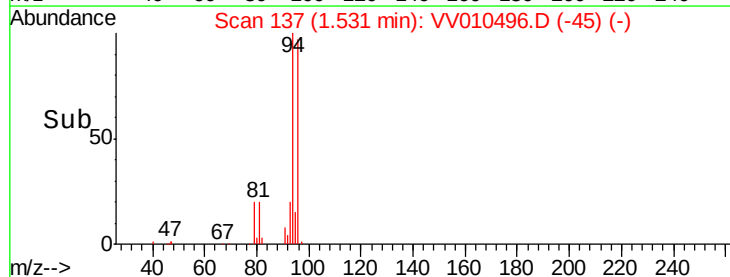
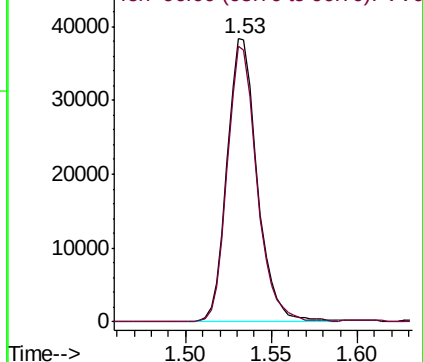
94 100

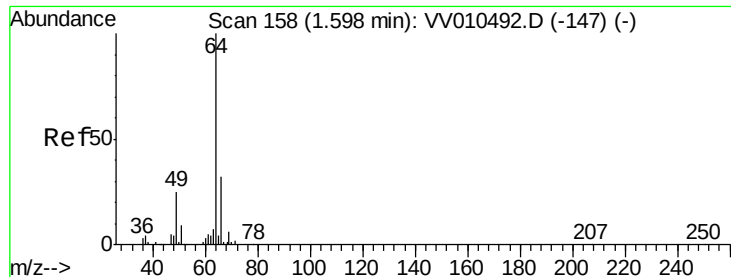
96 97.5 67.6 125.6



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 5.098 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV010496.D

Acq: 25 Apr 2019 15:16

Instrument :

MSVOA_V

ClientSampleId :

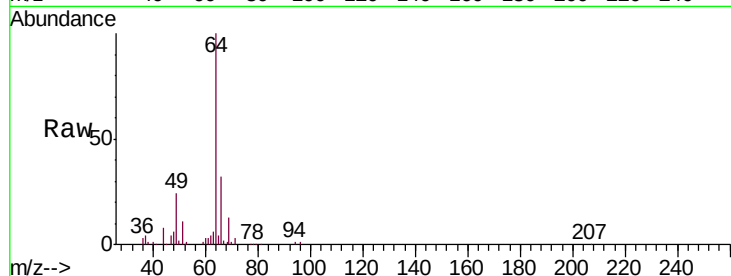
VSTD00548

Tgt Ion: 64 Resp: 43937

Ion Ratio Lower Upper

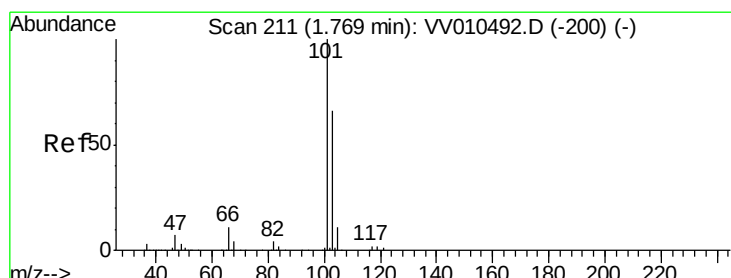
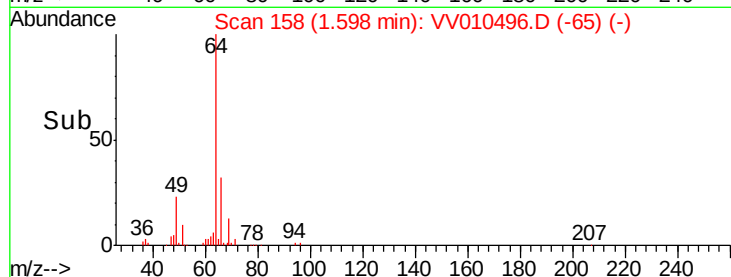
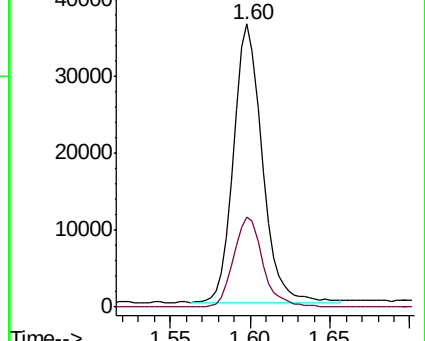
64 100

66 31.8 22.5 41.9



Abundance Ion 64.10 (63.80 to 64.80): VV010496.D (-147) (-)

Ion 66.05 (65.75 to 66.75): VV010496.D (-147) (-)



#9

Trichlorofluoromethane

Concen: 5.287 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV010496.D

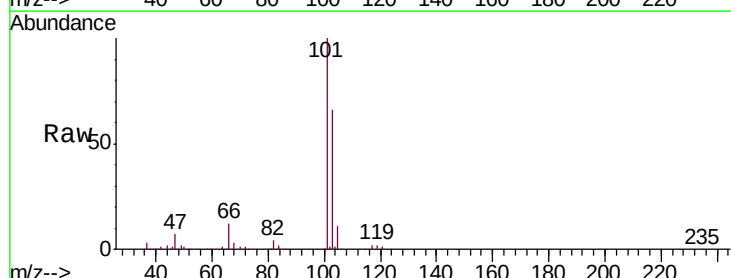
Acq: 25 Apr 2019 15:16

Tgt Ion: 101 Resp: 150378

Ion Ratio Lower Upper

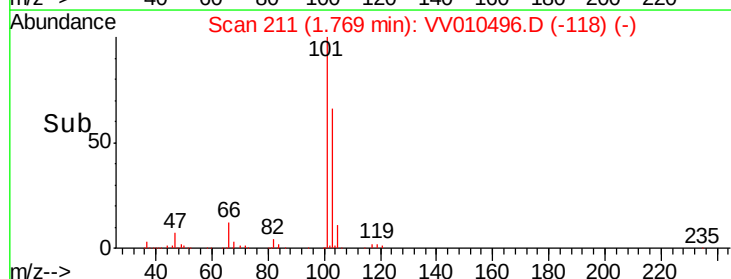
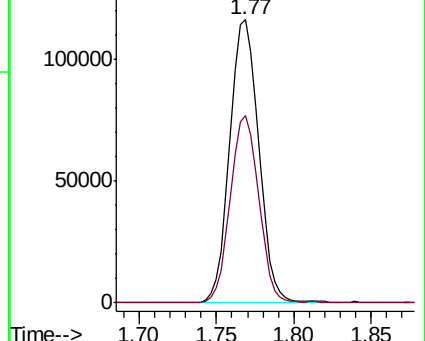
101 100

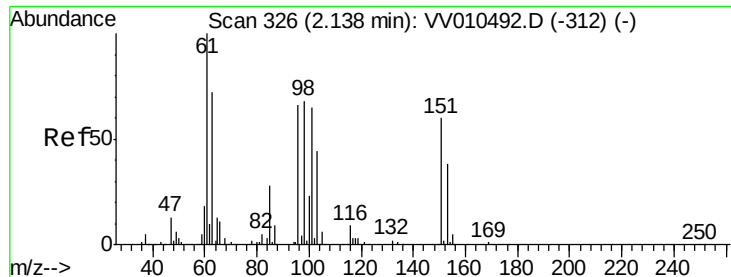
103 64.8 52.6 78.8



Abundance Ion 101.00 (100.70 to 101.70): VV010496.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV010496.D (-200) (-)





#10

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

Concen: 5.103 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV010496.D

Acq: 25 Apr 2019 15:16

Instrument :

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ClientSampleId :

VSTD00548

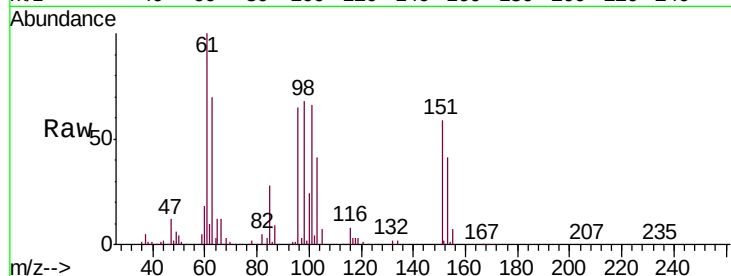
Tgt Ion:101 Resp: 76368

Ion Ratio Lower Upper

101 100

85 43.0 33.8 50.8

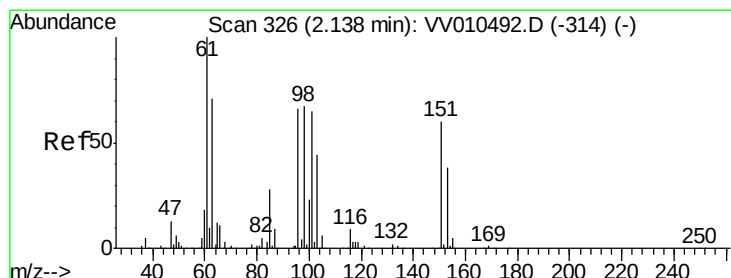
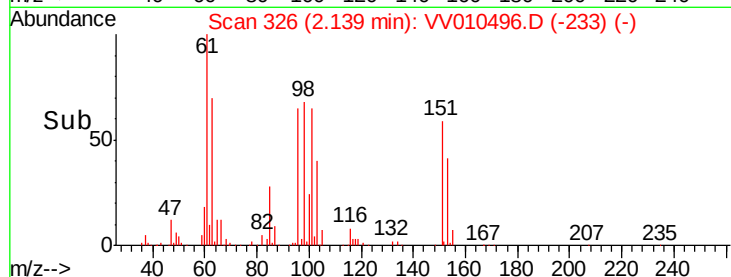
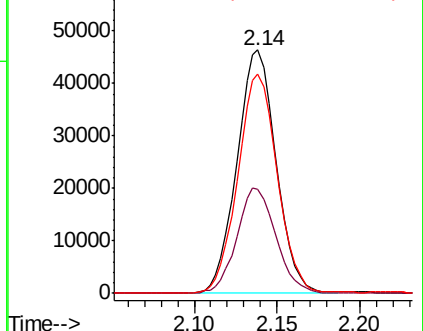
151 90.6 73.8 110.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.778 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV010496.D

Acq: 25 Apr 2019 15:16

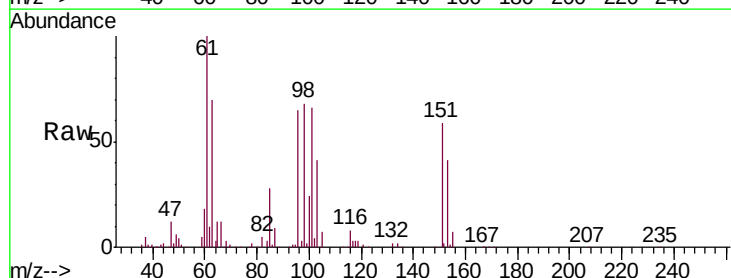
Tgt Ion: 96 Resp: 64842

Ion Ratio Lower Upper

96 100

61 153.4 104.3 193.7

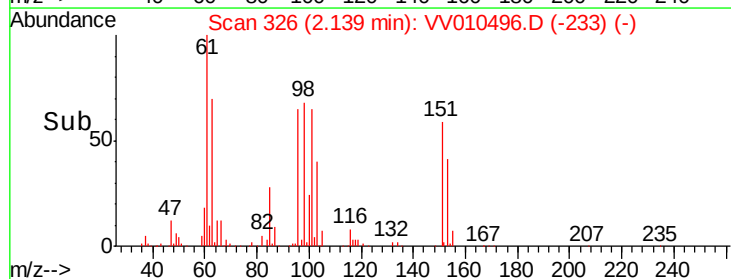
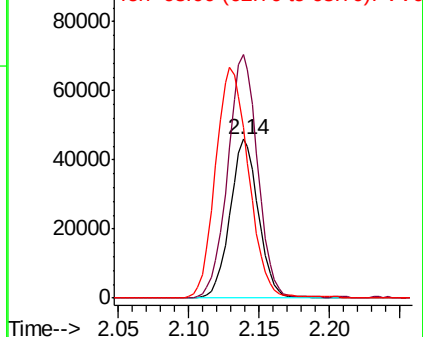
63 107.7 72.1 133.9

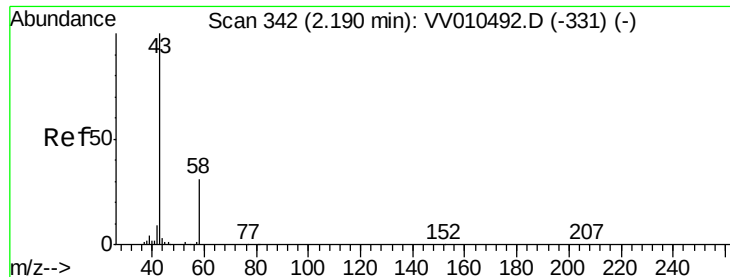


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 45.545 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV010496.D

Acq: 25 Apr 2019 15:16

Instrument :

MSVOA_V

ClientSampleId :

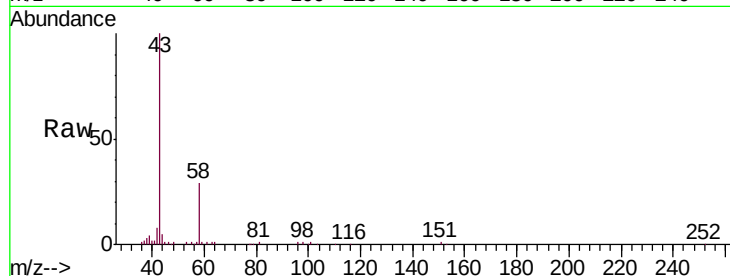
VSTD00548

Tgt Ion: 43 Resp: 76266

Ion Ratio Lower Upper

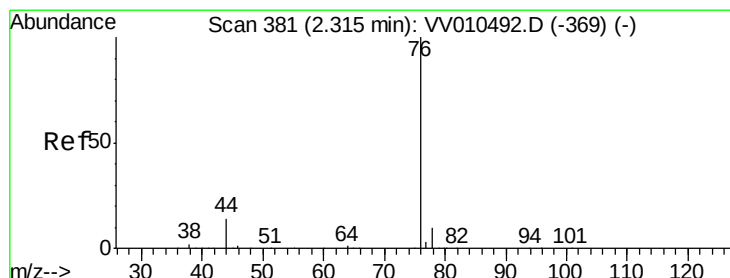
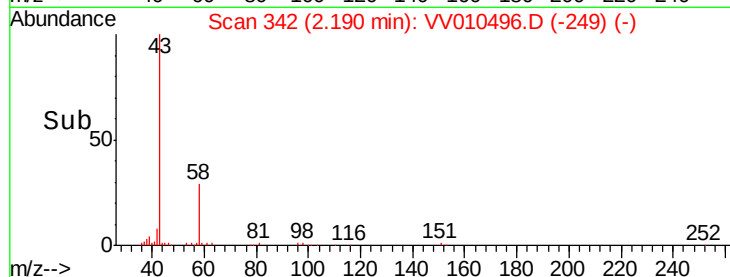
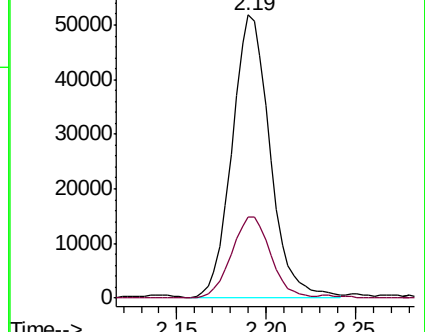
43 100

58 29.8 0.0 59.6



Abundance Ion 43.05 (42.75 to 43.75): VV010496.D (-249) (-)

Ion 58.05 (57.75 to 58.75): VV010496.D (-249) (-)



#14

Carbon disulfide

Concen: 4.731 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV010496.D

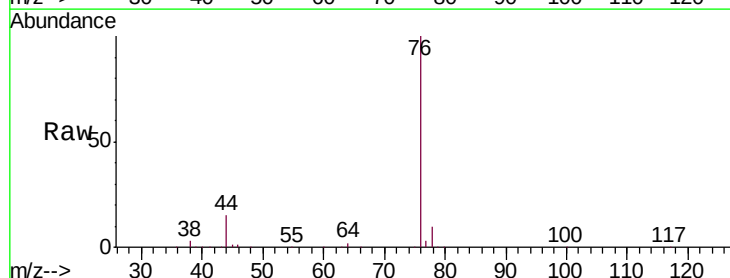
Acq: 25 Apr 2019 15:16

Tgt Ion: 76 Resp: 173527

Ion Ratio Lower Upper

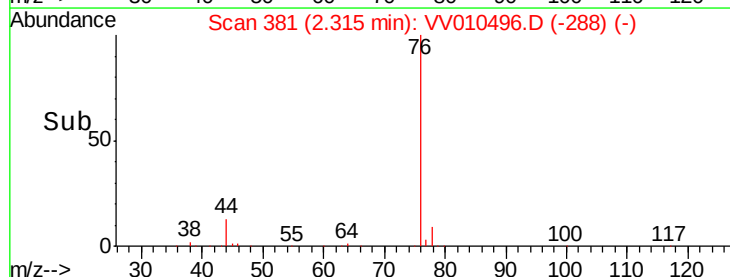
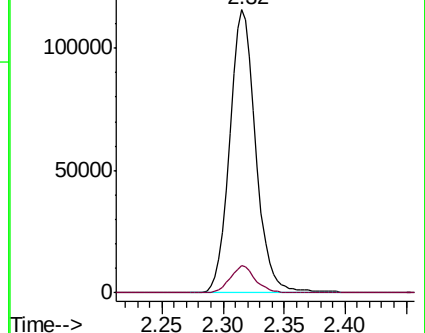
76 100

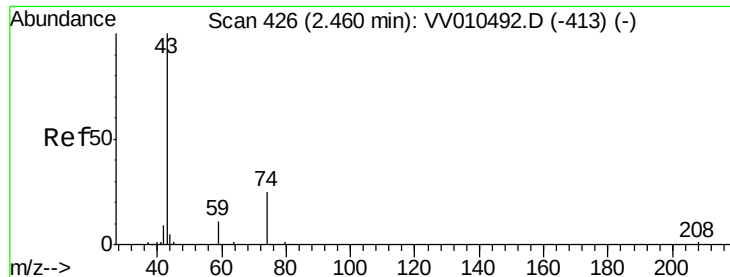
78 9.5 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VV010496.D (-288) (-)

Ion 78.00 (77.70 to 78.70): VV010496.D (-288) (-)





#15

Methyl Acetate

Concen: 4.315 ug/L

RT: 2.46 min Scan# 426

Delta R.T. 0.00 min

Lab File: VV010496.D

Acq: 25 Apr 2019 15:16

Instrument :

MSVOA_V

ClientSampleId :

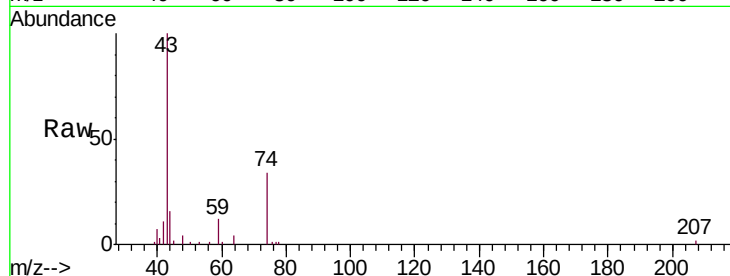
VSTD00548

Tgt Ion: 43 Resp: 18717

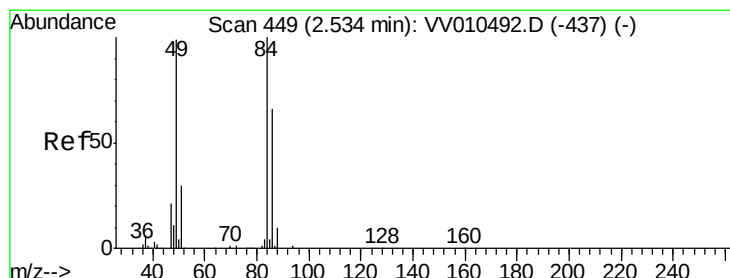
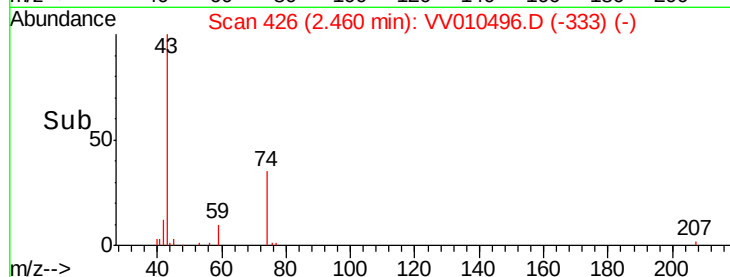
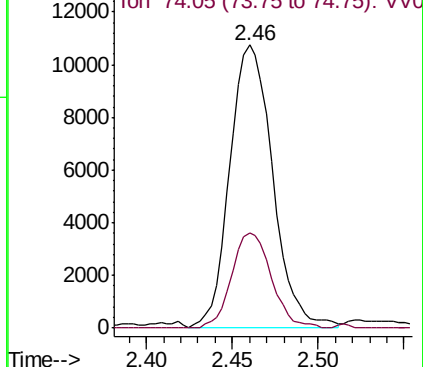
Ion Ratio Lower Upper

43 100

74 31.0 23.0 34.6



Abundance Ion 43.05 (42.75 to 43.75): VV010496.D (-333) (-)



#16

Methylene chloride

Concen: 4.455 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV010496.D

Acq: 25 Apr 2019 15:16

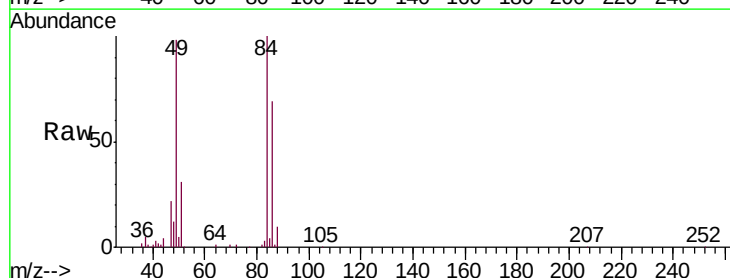
Tgt Ion: 84 Resp: 66019

Ion Ratio Lower Upper

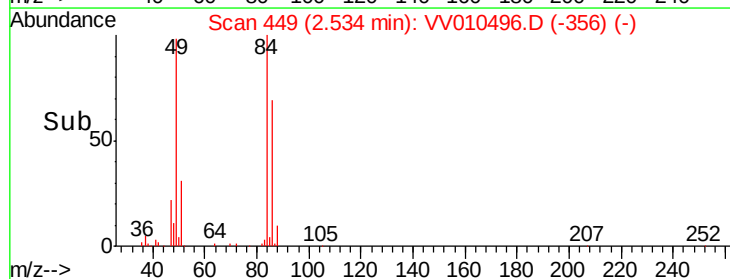
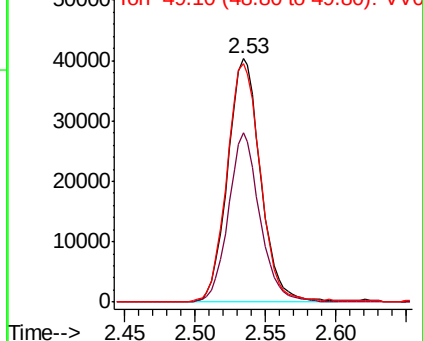
84 100

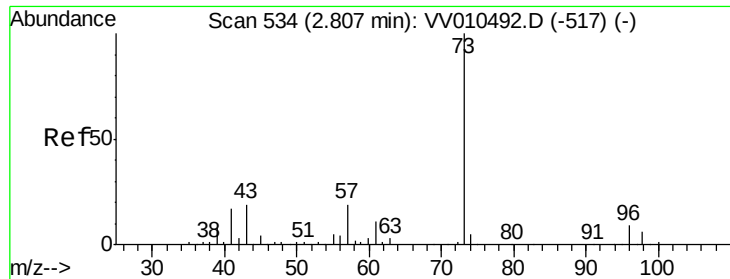
86 69.5 44.7 83.1

49 98.1 72.7 135.1



Abundance Ion 84.05 (83.75 to 84.75): VV010496.D (-356) (-)

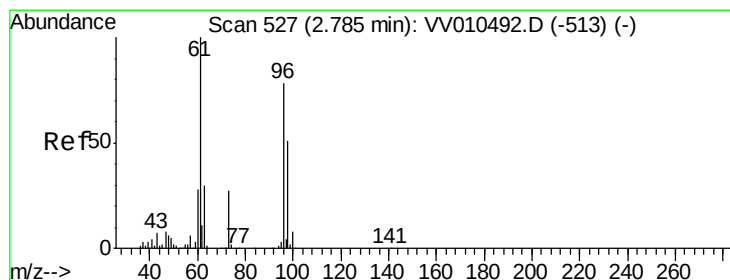
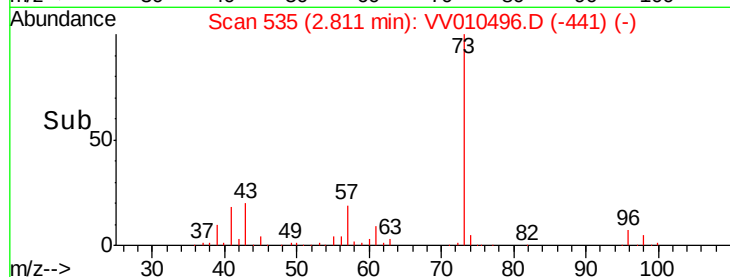
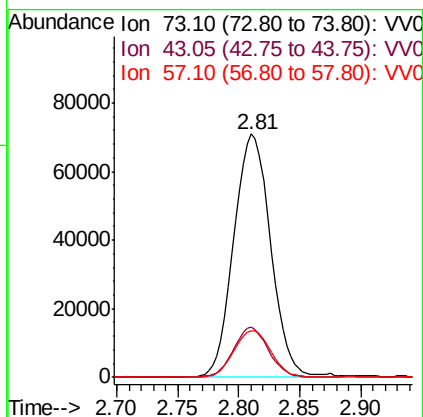
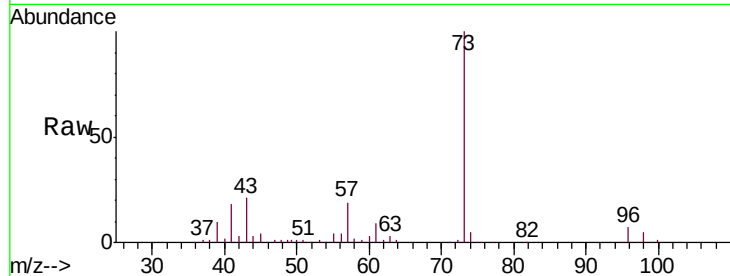




#17
Methyl tert-butyl Ether
Concen: 4.672 ug/L
RT: 2.81 min Scan# 535
Delta R.T. 0.00 min
Lab File: VV010496.D
Acq: 25 Apr 2019 15:16

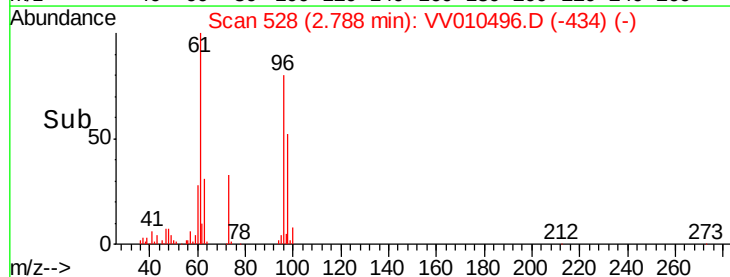
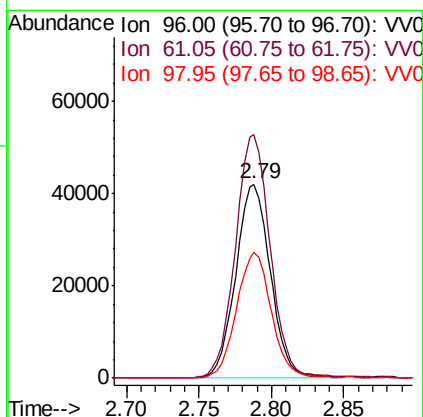
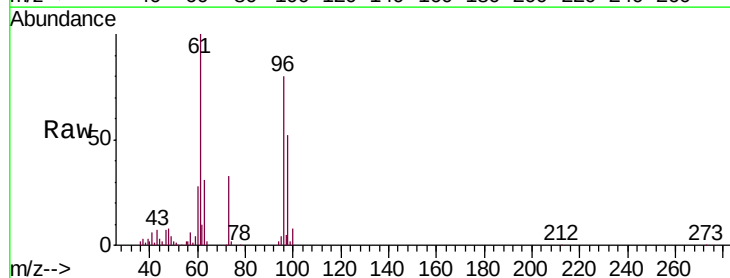
Instrument :
MSVOA_V
ClientSampleId :
VSTD00548

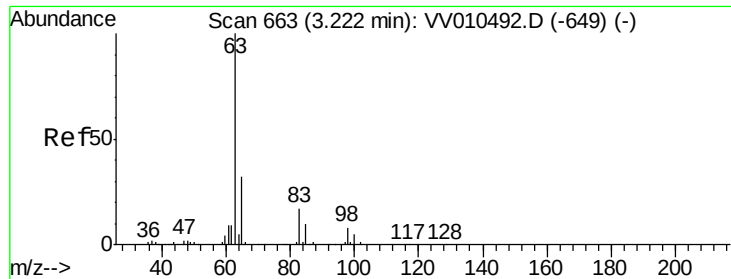
Tgt Ion: 73 Resp: 148904
Ion Ratio Lower Upper
73 100
43 19.6 14.9 22.3
57 19.4 15.7 23.5



#18
trans-1,2-Dichloroethene
Concen: 4.748 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV010496.D
Acq: 25 Apr 2019 15:16

Tgt Ion: 96 Resp: 70266
Ion Ratio Lower Upper
96 100
61 125.4 89.2 165.6
98 65.0 44.8 83.2

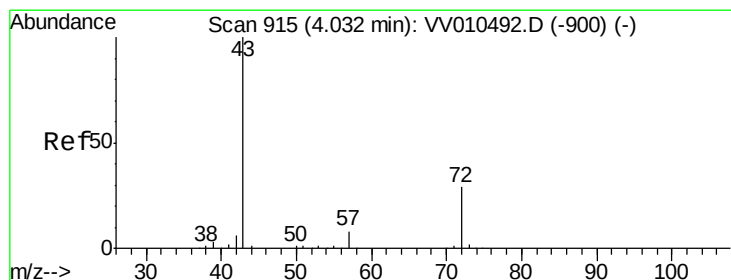
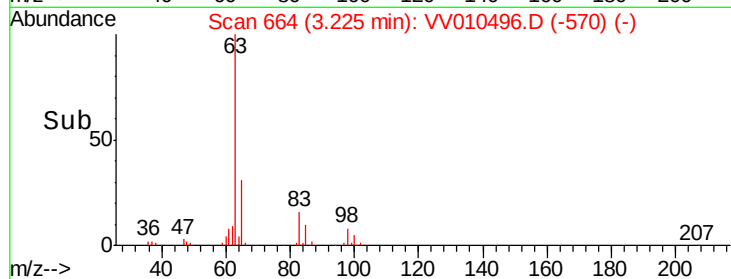
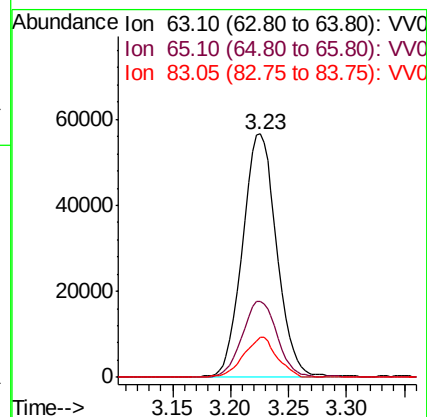
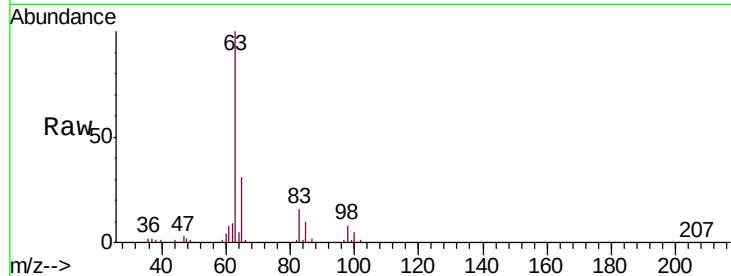




#19
 1,1-Dichloroethane
 Concen: 4.924 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: VV010496.D
 Acq: 25 Apr 2019 15:16

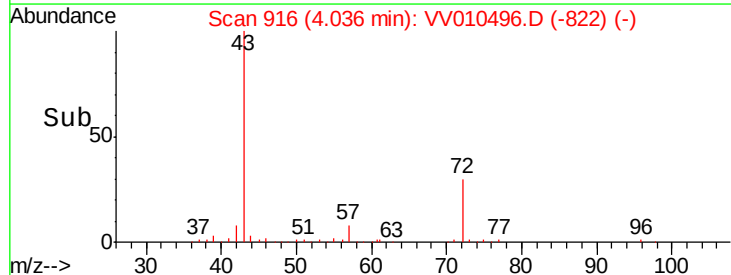
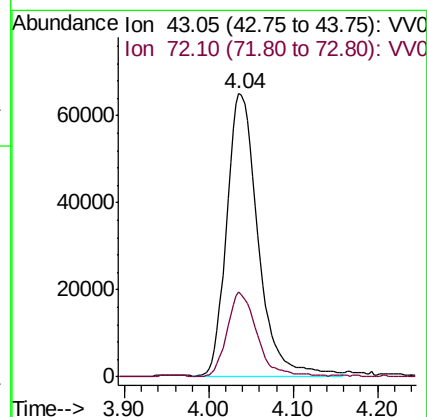
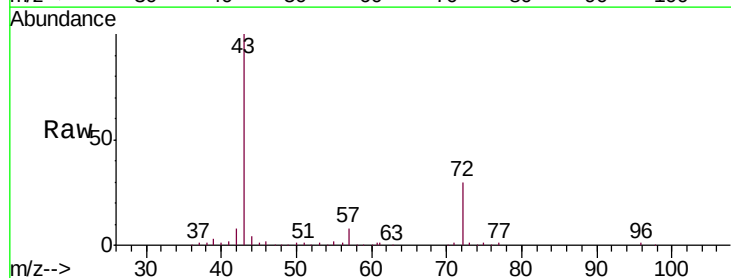
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00548

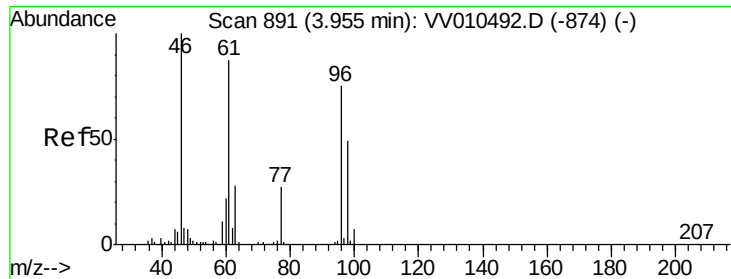
Tgt Ion: 63 Resp: 116161
 Ion Ratio Lower Upper
 63 100
 65 31.1 22.7 42.3
 83 16.4 11.3 20.9



#21
 2-Butanone
 Concen: 57.047 ug/L
 RT: 4.04 min Scan# 916
 Delta R.T. 0.00 min
 Lab File: VV010496.D
 Acq: 25 Apr 2019 15:16

Tgt Ion: 43 Resp: 167442
 Ion Ratio Lower Upper
 43 100
 72 28.0 14.1 42.2



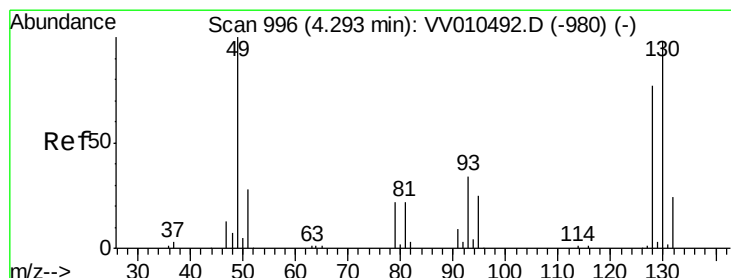
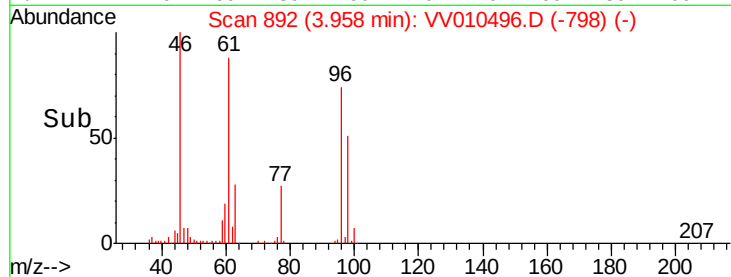
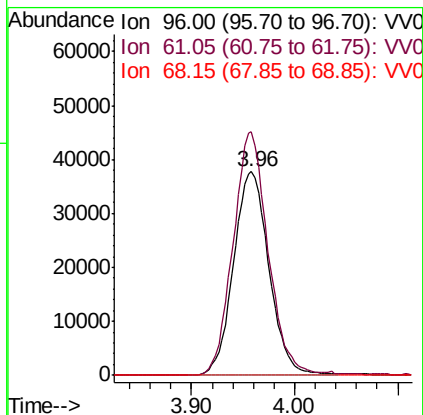
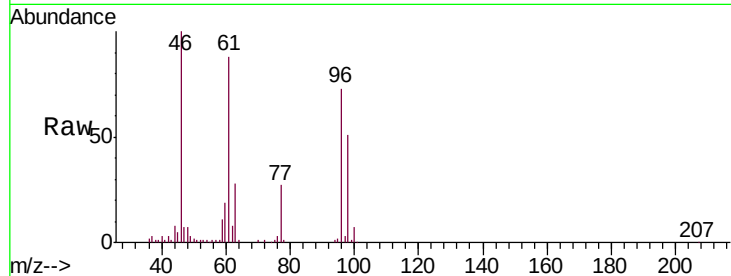


#22

cis-1,2-Dichloroethene
 Concen: 5.863 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV010496.D
 Acq: 25 Apr 2019 15:16

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00548

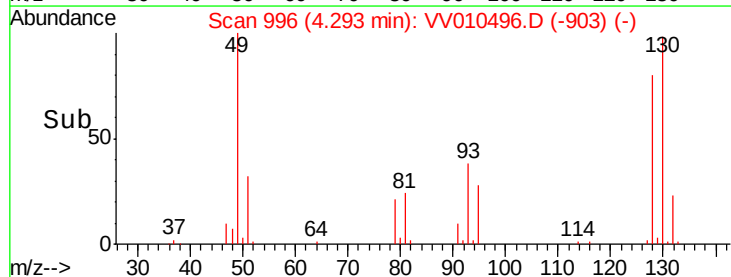
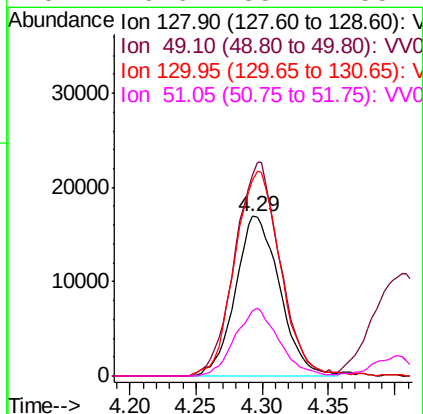
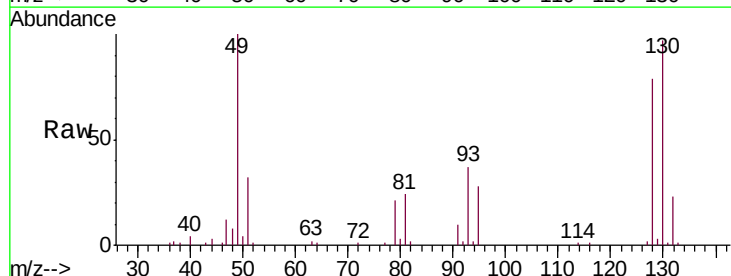
Tgt Ion: 96 Resp: 90395
 Ion Ratio Lower Upper
 96 100
 61 119.5 83.2 154.6
 68 0.0 0.0 0.0

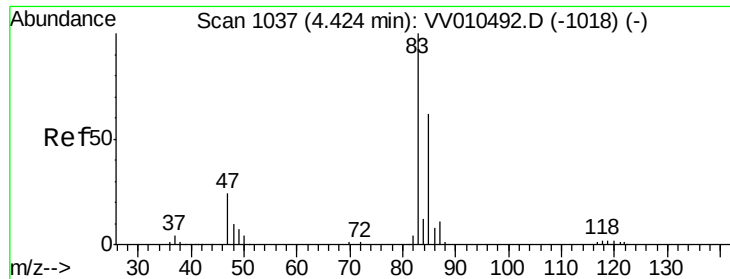


#23

Bromochloromethane
 Concen: 5.845 ug/L
 RT: 4.29 min Scan# 996
 Delta R.T. 0.00 min
 Lab File: VV010496.D
 Acq: 25 Apr 2019 15:16

Tgt Ion: 128 Resp: 39296
 Ion Ratio Lower Upper
 128 100
 49 125.8 102.0 189.4
 130 122.5 87.6 162.6
 51 40.6 35.4 53.2

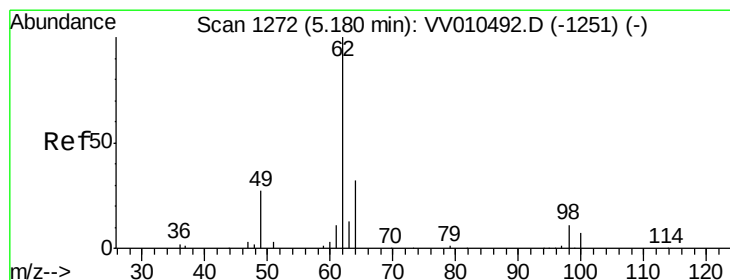
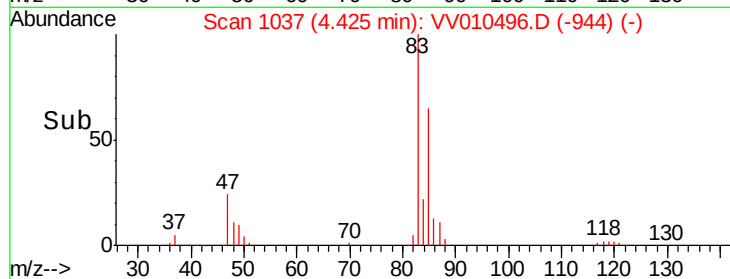
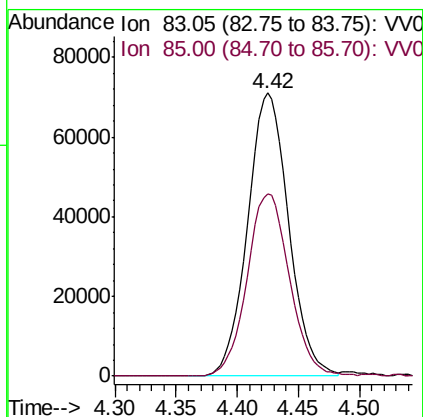
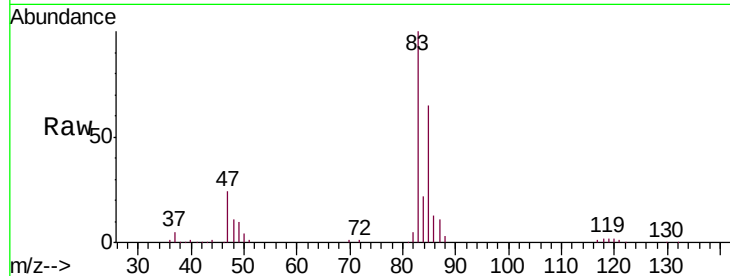




#25
Chloroform
Concen: 5.955 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV010496.D
Acq: 25 Apr 2019 15:16

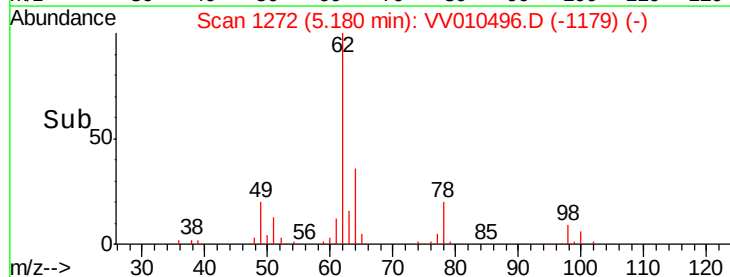
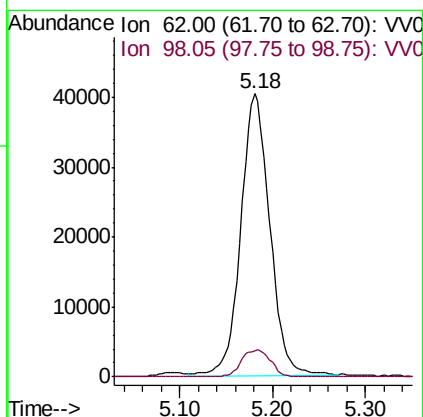
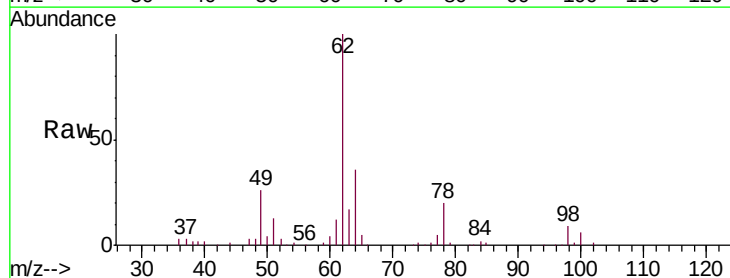
Instrument :
MSVOA_V
ClientSampleId :
VSTD00548

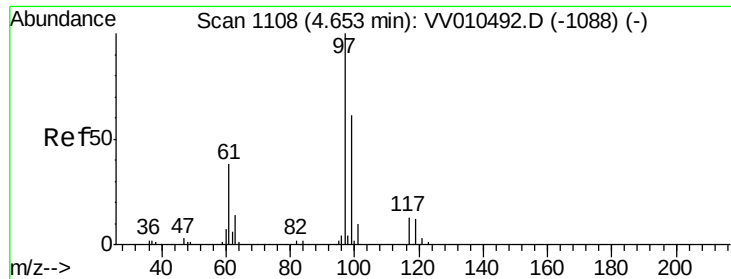
Tgt Ion: 83 Resp: 165552
Ion Ratio Lower Upper
83 100
85 64.6 44.3 82.3



#27
1,2-Dichloroethane
Concen: 5.374 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV010496.D
Acq: 25 Apr 2019 15:16

Tgt Ion: 62 Resp: 87685
Ion Ratio Lower Upper
62 100
98 9.2 7.5 11.3

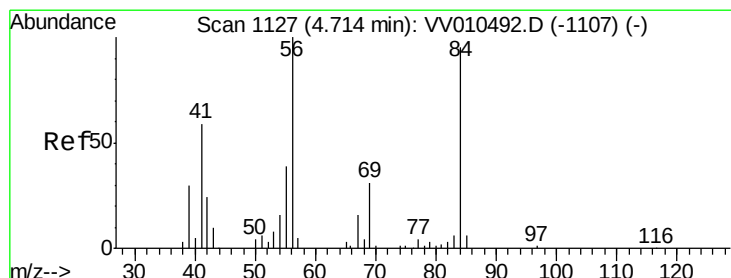
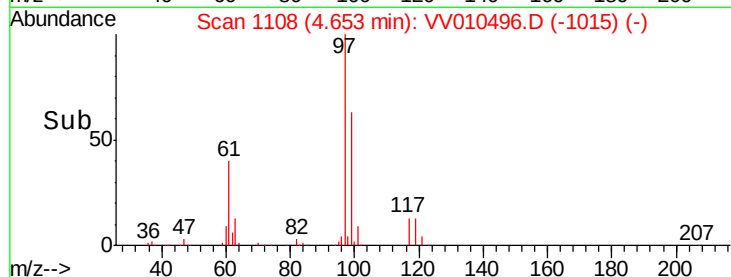
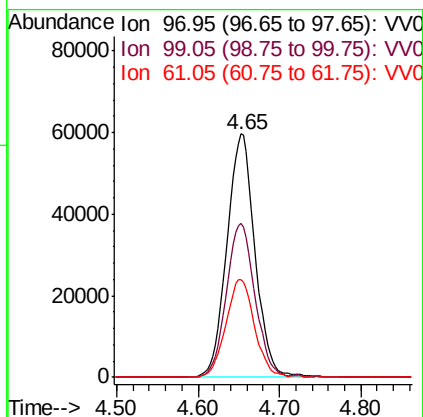
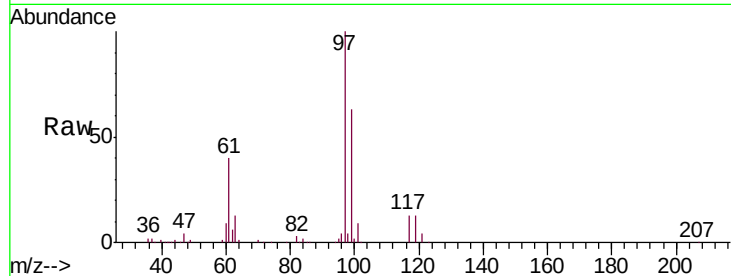




#29
 1,1,1-Trichloroethane
 Concen: 5.318 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. 0.00 min
 Lab File: VV010496.D
 Acq: 25 Apr 2019 15:16

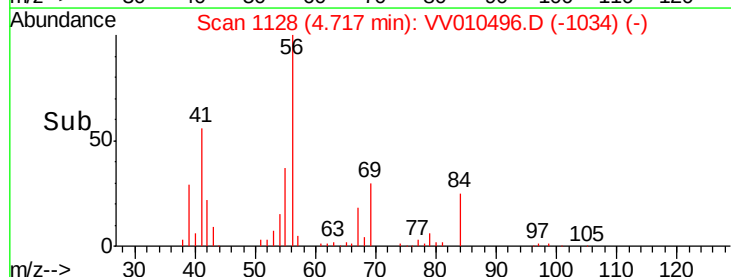
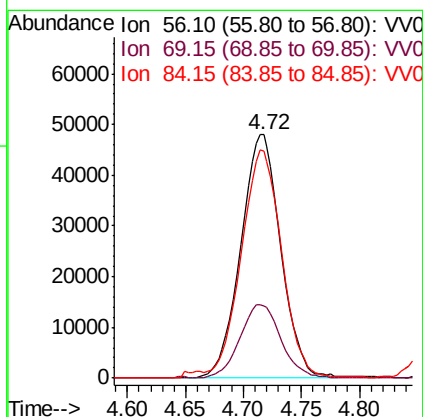
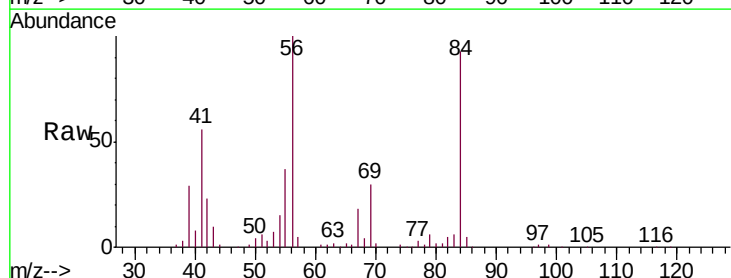
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00548

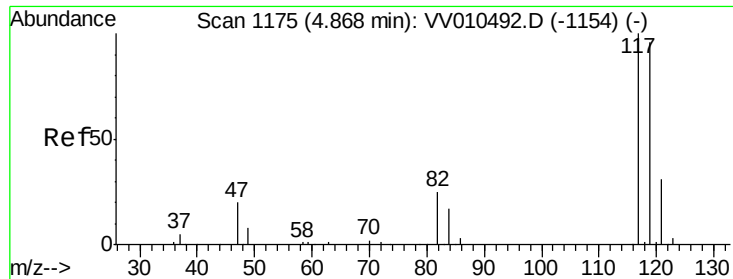
Tgt Ion: 97 Resp: 144477
 Ion Ratio Lower Upper
 97 100
 99 64.2 52.2 78.2
 61 41.0 33.7 50.5



#30
 Cyclohexane
 Concen: 5.027 ug/L
 RT: 4.72 min Scan# 1128
 Delta R.T. 0.00 min
 Lab File: VV010496.D
 Acq: 25 Apr 2019 15:16

Tgt Ion: 56 Resp: 115183
 Ion Ratio Lower Upper
 56 100
 69 31.0 25.5 38.3
 84 93.1 76.7 115.1





#31

Carbon tetrachloride

Concen: 5.382 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VV010496.D

Acq: 25 Apr 2019 15:16

Instrument :

MSVOA_V

ClientSampleId :

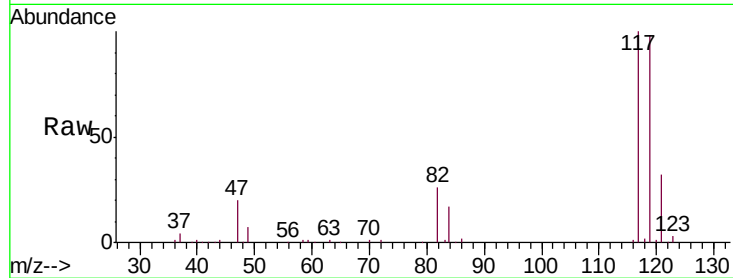
VSTD00548

Tgt Ion:117 Resp: 132892

Ion Ratio Lower Upper

117 100

119 96.7 76.5 114.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.87

60000

50000

40000

30000

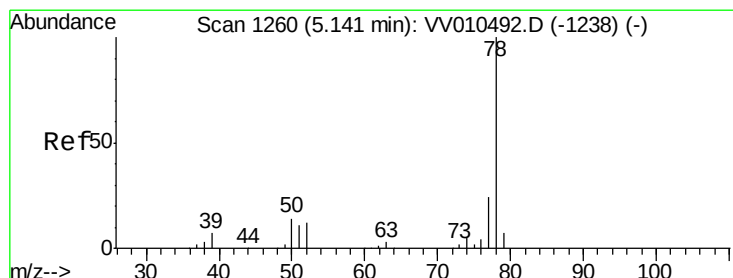
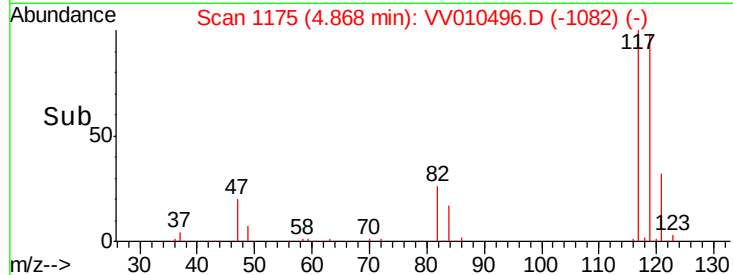
20000

10000

0

4.75 4.80 4.85 4.90 4.95

Time-->



#33

Benzene

Concen: 5.451 ug/L

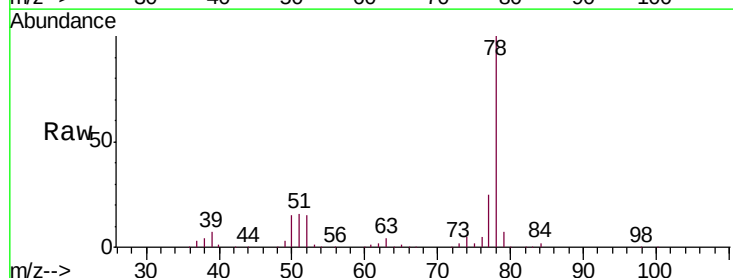
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VV010496.D

Acq: 25 Apr 2019 15:16

Tgt Ion: 78 Resp: 325080



Abundance Ion 78.10 (77.80 to 78.80): VV0

5.14

150000

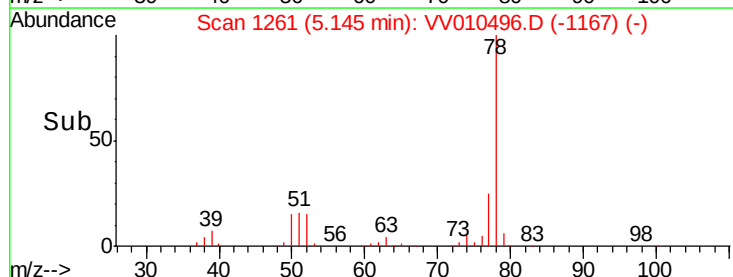
100000

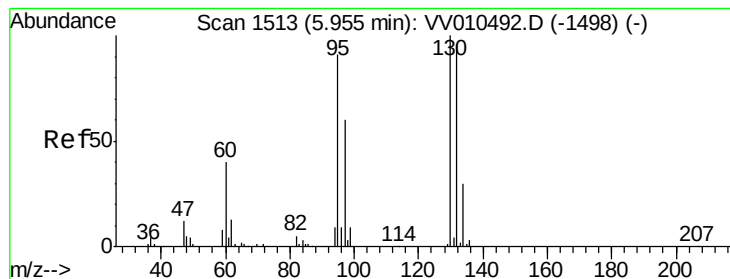
50000

0

5.00 5.10 5.20 5.30

Time-->





#34

Trichloroethene

Concen: 5.312 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV010496.D

Acq: 25 Apr 2019 15:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD00548

Tgt Ion: 95 Resp: 91393

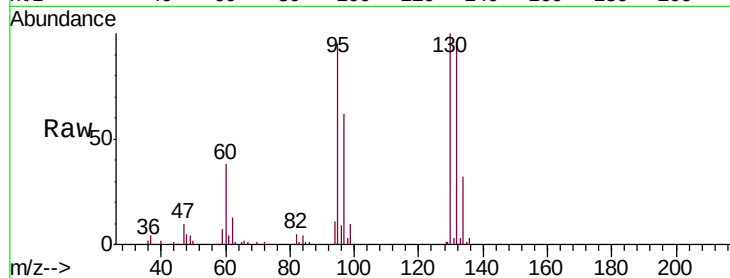
Ion Ratio Lower Upper

95 100

97 65.0 45.6 84.6

132 101.2 67.8 126.0

130 105.1 69.0 128.2

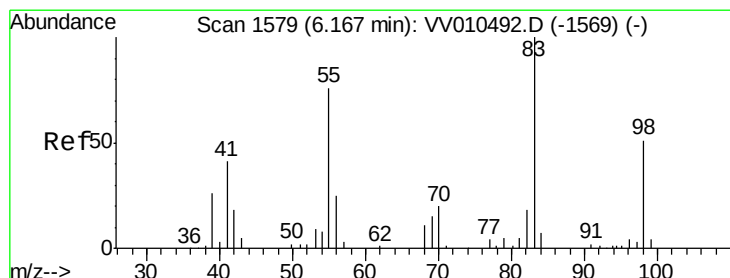
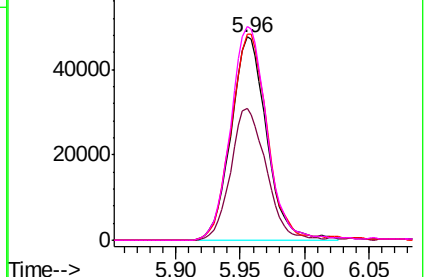
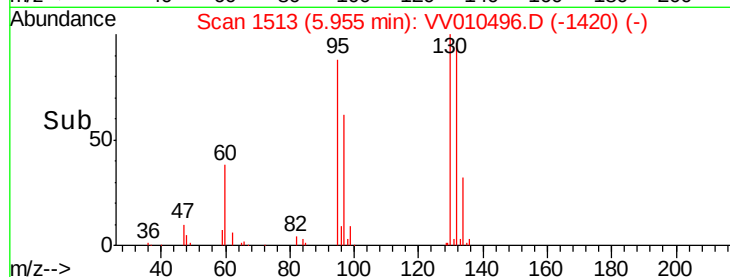


Abundance Ion 95.00 (94.70 to 95.70): VV010496.D (-1420) (-)

Ion 96.95 (96.65 to 97.65): VV010496.D (-1420) (-)

Ion 131.95 (131.65 to 132.65): VV010496.D (-1420) (-)

Ion 129.95 (129.65 to 130.65): VV010496.D (-1420) (-)



#35

Methylcyclohexane

Concen: 5.247 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. 0.00 min

Lab File: VV010496.D

Acq: 25 Apr 2019 15:16

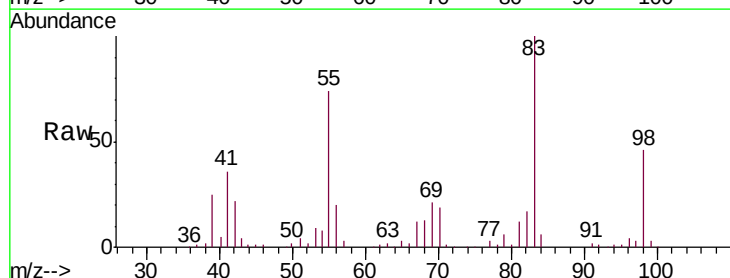
Tgt Ion: 83 Resp: 135495

Ion Ratio Lower Upper

83 100

55 72.9 57.8 86.6

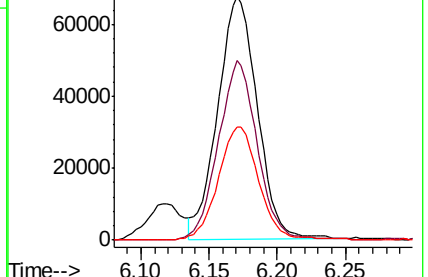
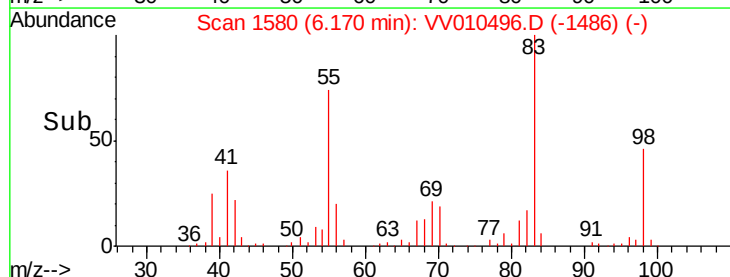
98 48.4 38.8 58.2

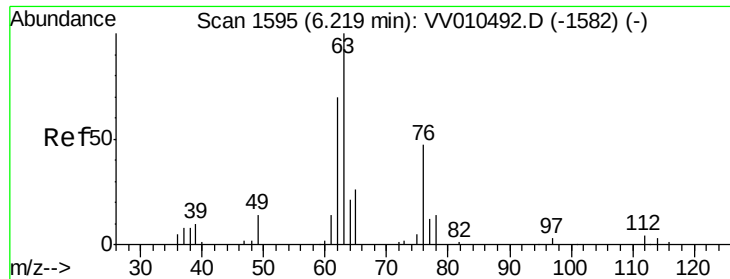


Abundance Ion 83.15 (82.85 to 83.85): VV010496.D (-1486) (-)

Ion 55.10 (54.80 to 55.80): VV010496.D (-1486) (-)

Ion 98.15 (97.85 to 98.85): VV010496.D (-1486) (-)

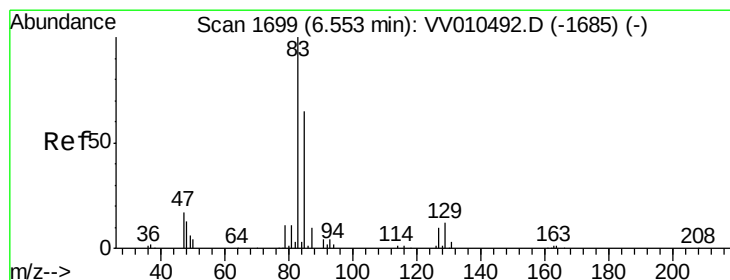
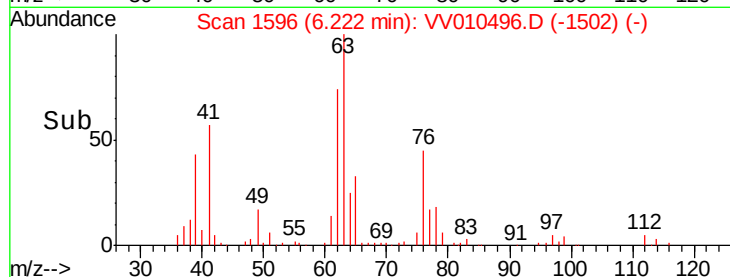
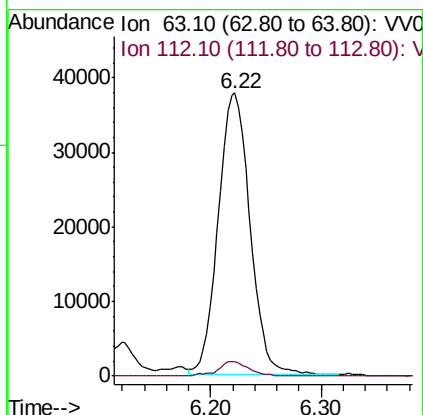
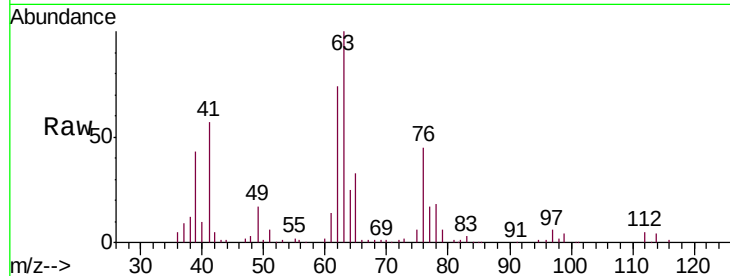




#37
 1,2-Dichloropropane
 Concen: 5.221 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VV010496.D
 Acq: 25 Apr 2019 15:16

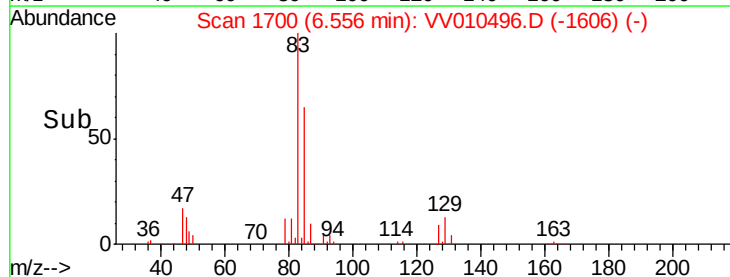
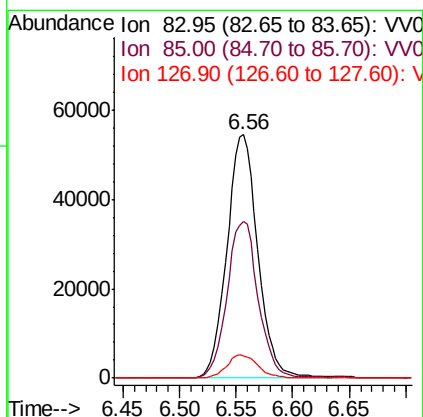
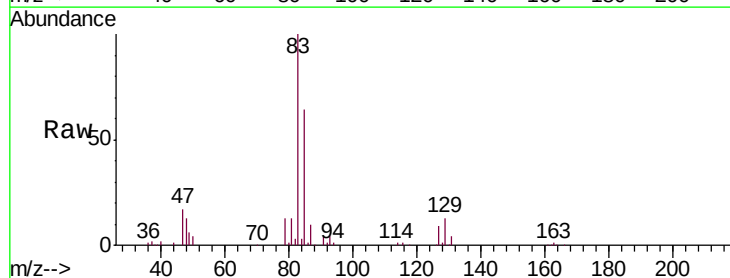
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00548

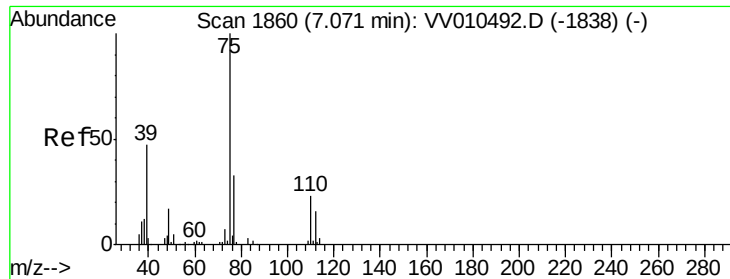
Tgt Ion: 63 Resp: 75567
 Ion Ratio Lower Upper
 63 100
 112 5.2 3.8 5.6



#38
 Bromodichloromethane
 Concen: 5.321 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV010496.D
 Acq: 25 Apr 2019 15:16

Tgt Ion: 83 Resp: 103659
 Ion Ratio Lower Upper
 83 100
 85 64.3 46.6 86.6
 127 9.2 7.8 11.8

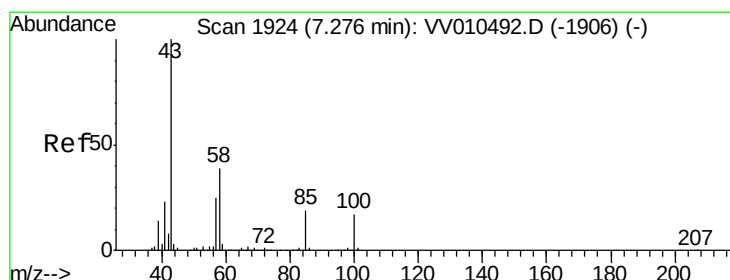
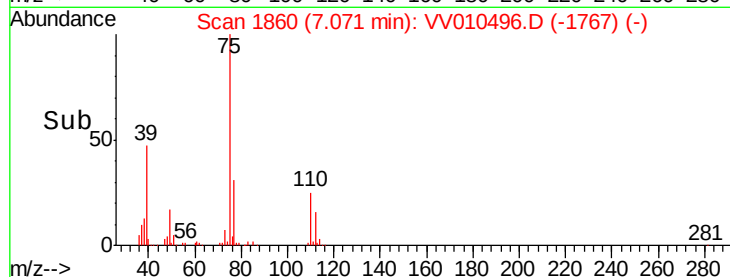
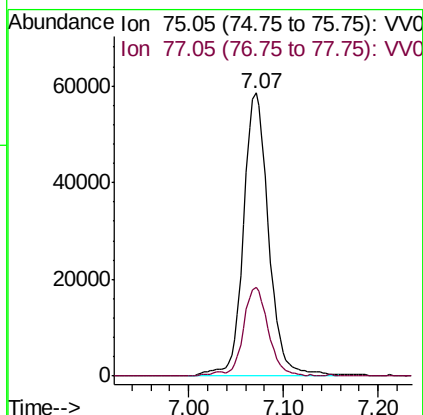
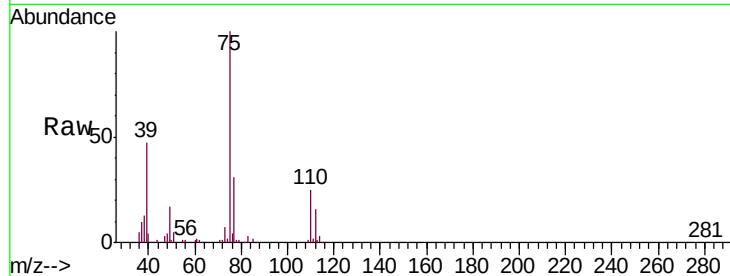




#39
 cis-1,3-Dichloropropene
 Concen: 5.053 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV010496.D
 Acq: 25 Apr 2019 15:16

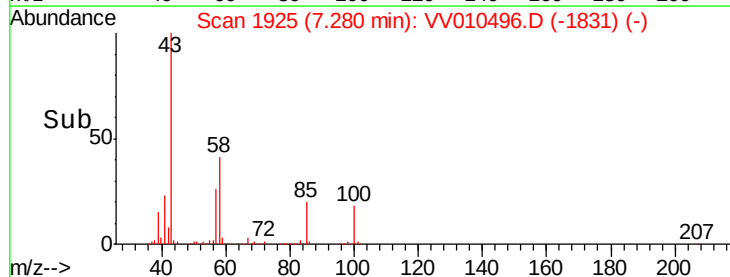
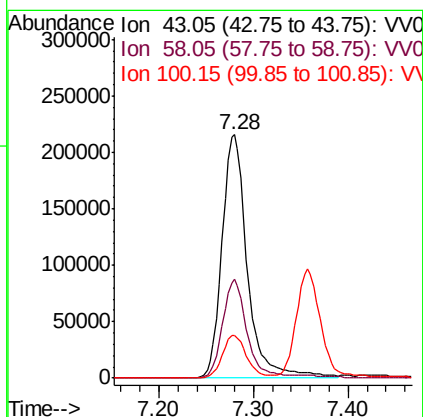
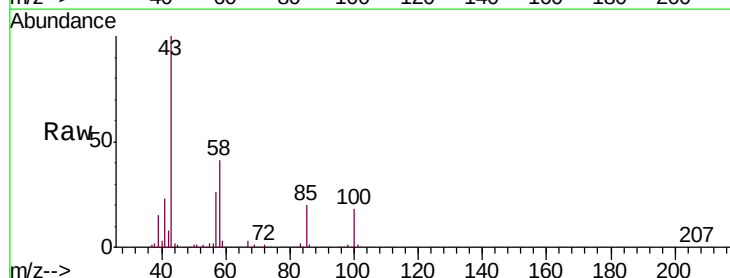
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00548

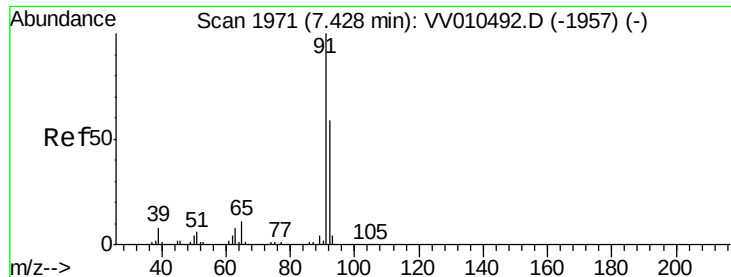
Tgt Ion: 75 Resp: 108459
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 49.207 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. 0.00 min
 Lab File: VV010496.D
 Acq: 25 Apr 2019 15:16

Tgt Ion: 43 Resp: 402660
 Ion Ratio Lower Upper
 43 100
 58 38.7 30.3 45.5
 100 16.7 13.0 19.4





#42

Toluene

Concen: 5.475 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV010496.D

Acq: 25 Apr 2019 15:16

Instrument :

MSVOA_V

ClientSampleId :

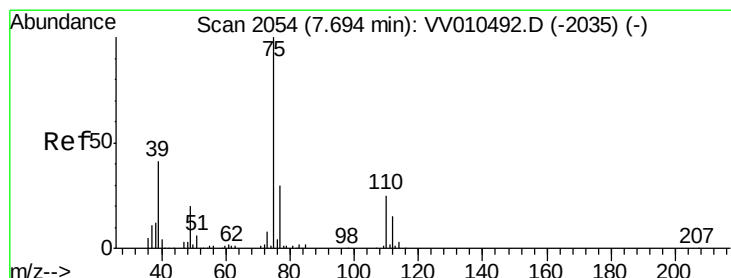
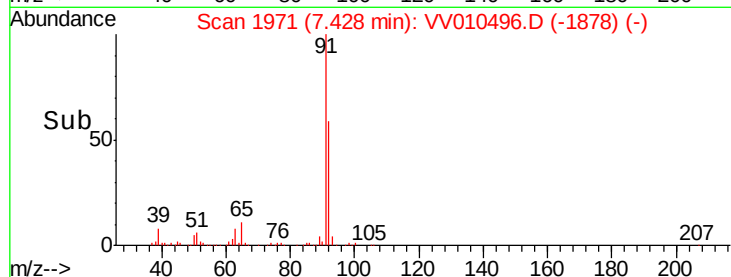
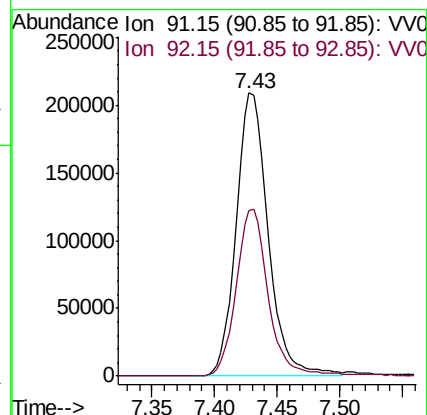
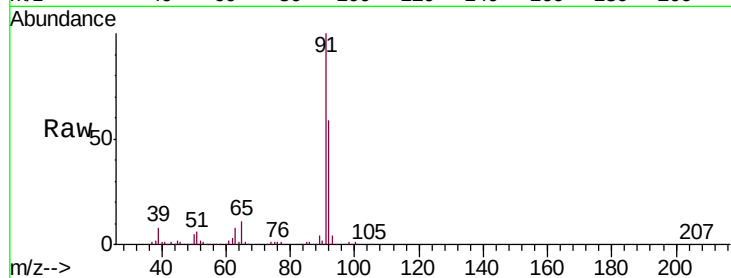
VSTD00548

Tgt Ion: 91 Resp: 371542

Ion Ratio Lower Upper

91 100

92 58.7 41.3 76.7



#44

trans-1,3-Dichloropropene

Concen: 5.207 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV010496.D

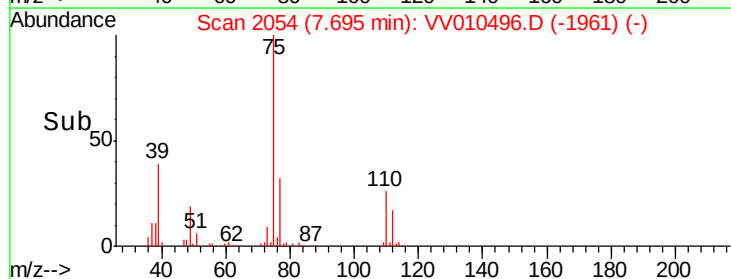
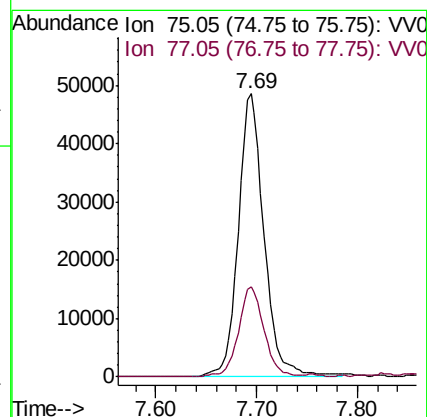
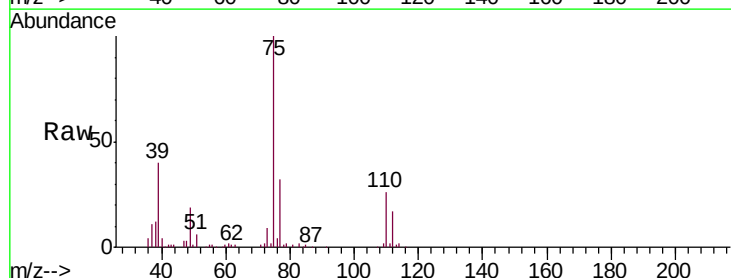
Acq: 25 Apr 2019 15:16

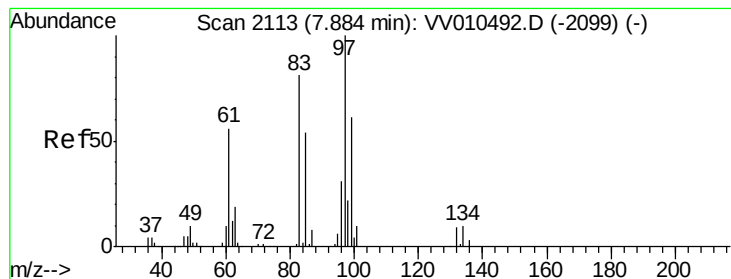
Tgt Ion: 75 Resp: 86302

Ion Ratio Lower Upper

75 100

77 31.7 22.1 41.1





#45

1,1,2-Trichloroethane

Concen: 5.573 ug/L

RT: 7.88 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VV010496.D

Acq: 25 Apr 2019 15:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD00548

Tgt Ion: 97 Resp: 59078

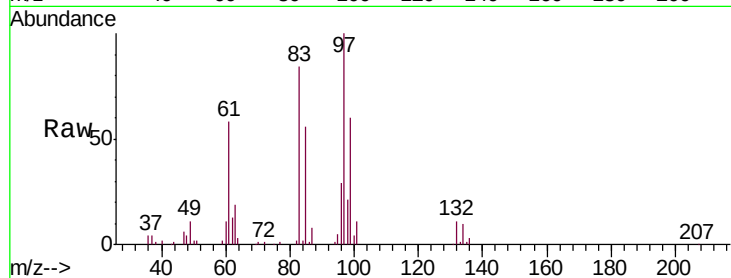
Ion Ratio Lower Upper

97 100

99 60.5 45.1 83.7

83 83.9 61.7 114.7

85 55.5 41.2 76.4

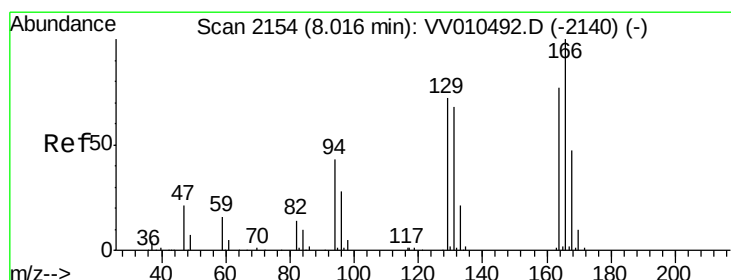
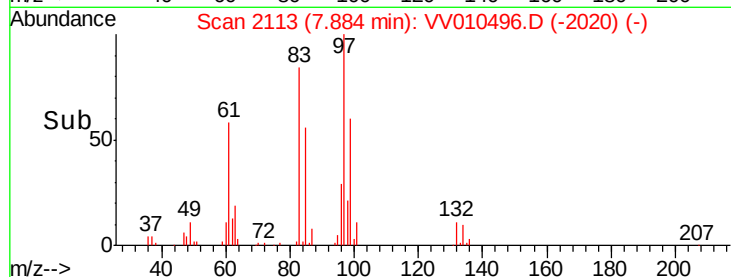
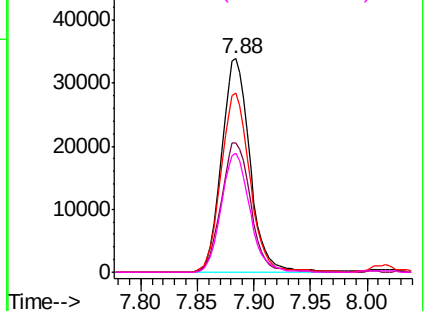


Abundance Ion 96.95 (96.65 to 97.65): VV0

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: 5.676 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV010496.D

Acq: 25 Apr 2019 15:16

Tgt Ion: 164 Resp: 87215

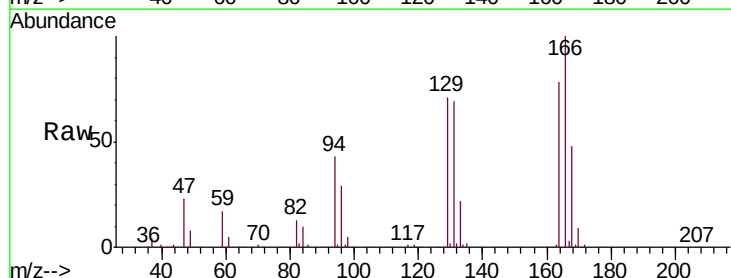
Ion Ratio Lower Upper

164 100

129 91.7 69.7 129.4

131 89.0 63.8 118.6

166 128.5 87.4 162.2

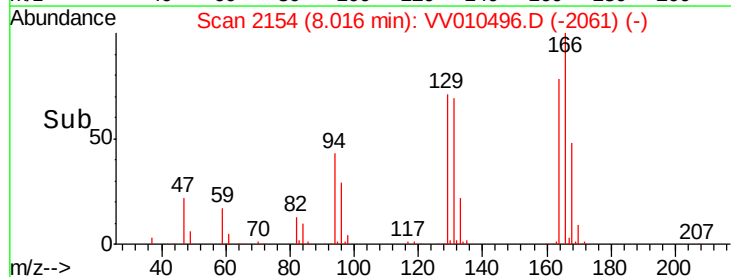
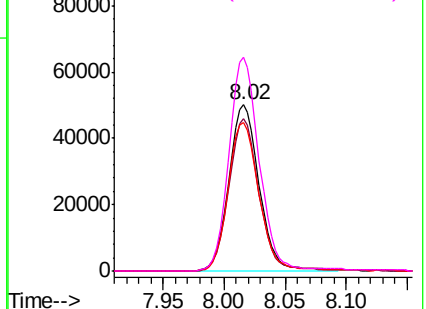


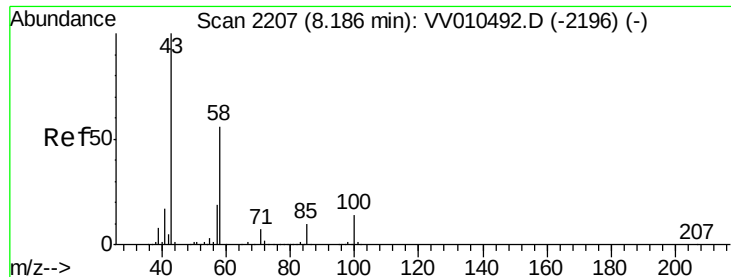
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

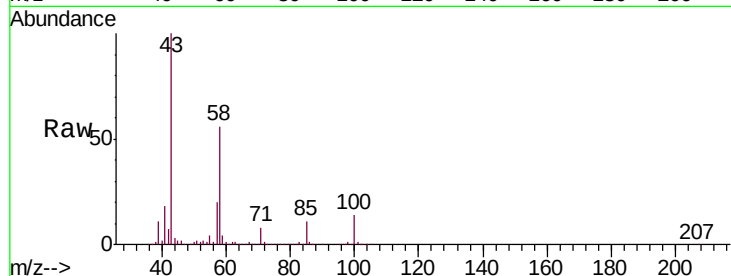




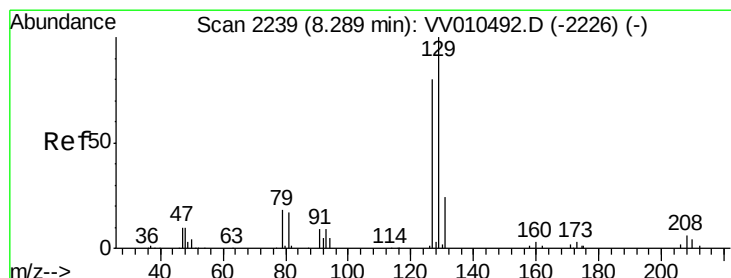
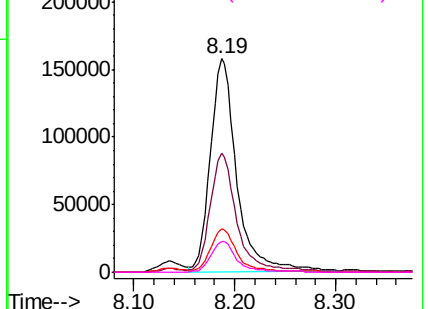
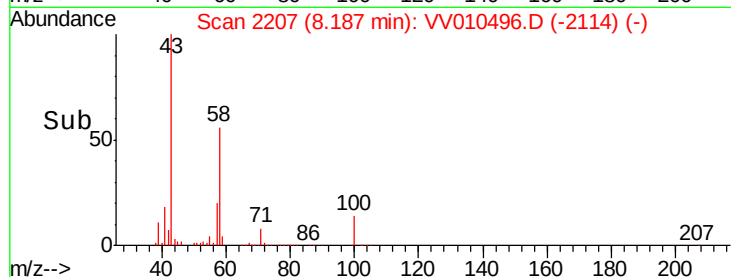
#48
2-Hexanone
Concen: 50.003 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV010496.D
Acq: 25 Apr 2019 15:16

Instrument :
MSVOA_V
ClientSampleId :
VSTD00548

Tgt Ion:	43	Resp:	284615
Ion	Ratio	Lower	Upper
43	100		
58	55.7	42.2	63.4
57	19.7	15.3	22.9
100	13.5	9.6	14.4

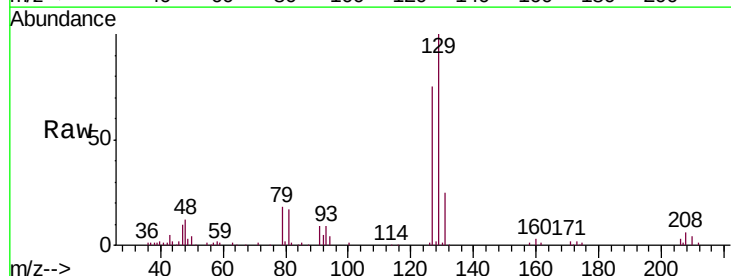


Abundance Ion 43.05 (42.75 to 43.75): VV010496.D (-2196) (-)
Ion 58.05 (57.75 to 58.75): VV010496.D (-2196) (-)
Ion 57.20 (56.90 to 57.90): VV010496.D (-2196) (-)
Ion 100.15 (99.85 to 100.85): VV010496.D (-2196) (-)

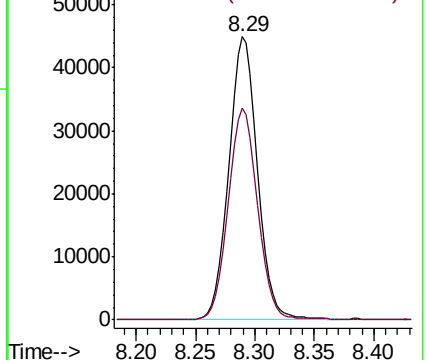
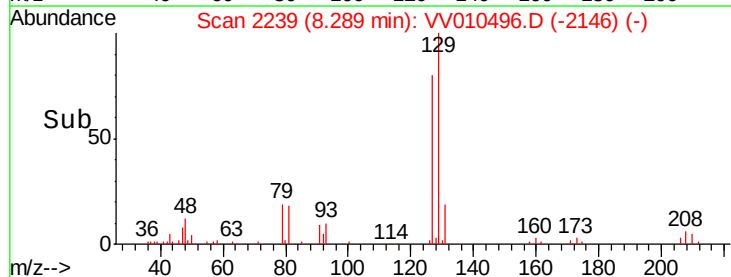


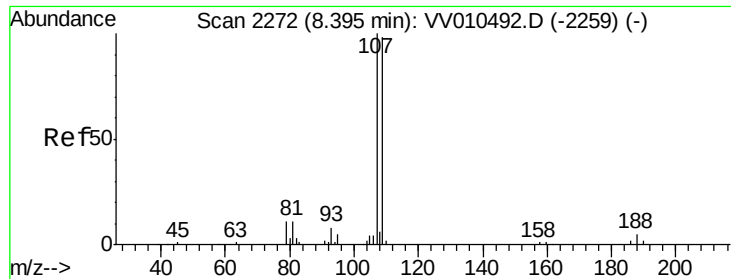
#49
Dibromochloromethane
Concen: 5.469 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV010496.D
Acq: 25 Apr 2019 15:16

Tgt Ion:	129	Resp:	74889
Ion	Ratio	Lower	Upper
129	100		
127	74.6	56.1	104.1



Abundance Ion 128.95 (128.65 to 129.65): VV010496.D (-2146) (-)
Ion 126.90 (126.60 to 127.60): VV010496.D (-2146) (-)





#50

1,2-Dibromoethane

Concen: 5.550 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV010496.D

Acq: 25 Apr 2019 15:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD00548

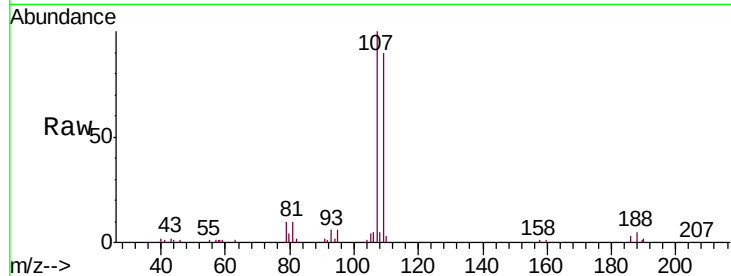
Tgt Ion:107 Resp: 57033

Ion Ratio Lower Upper

107 100

109 89.8 66.1 122.8

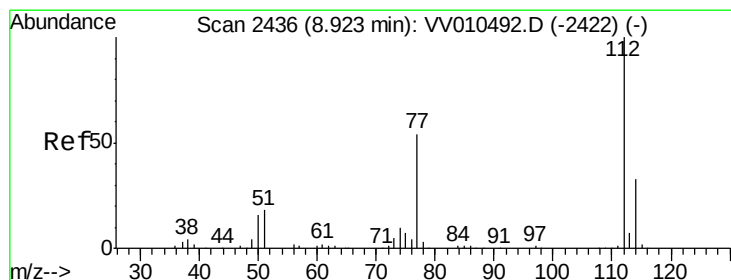
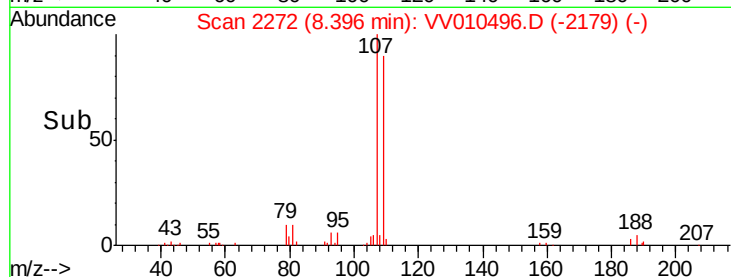
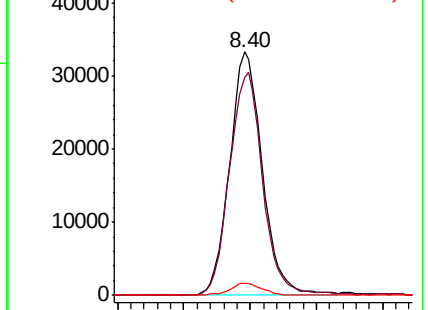
188 4.9 3.4 5.0



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: 5.489 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VV010496.D

Acq: 25 Apr 2019 15:16

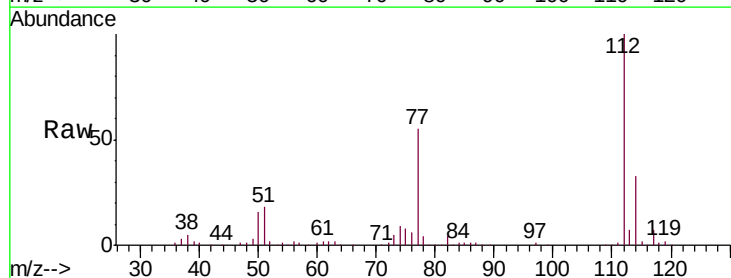
Tgt Ion:112 Resp: 253043

Ion Ratio Lower Upper

112 100

114 33.2 23.0 42.6

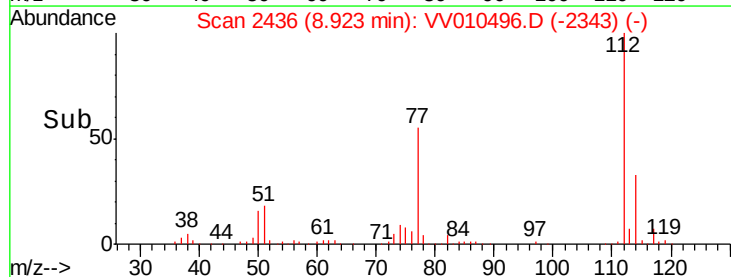
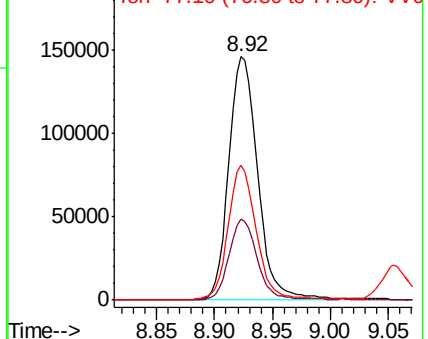
77 55.2 46.8 70.2

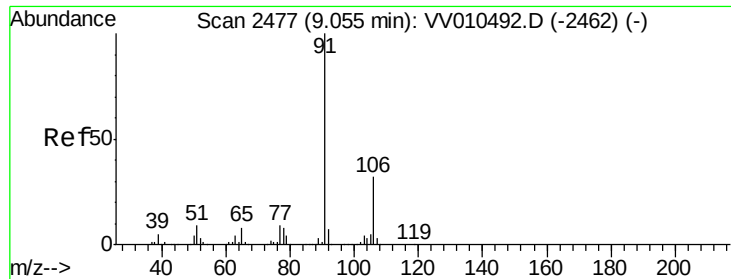


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 5.331 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV010496.D

Acq: 25 Apr 2019 15:16

Instrument :

MSVOA_V

ClientSampleId :

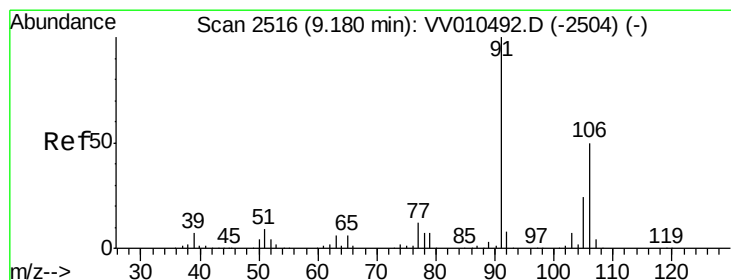
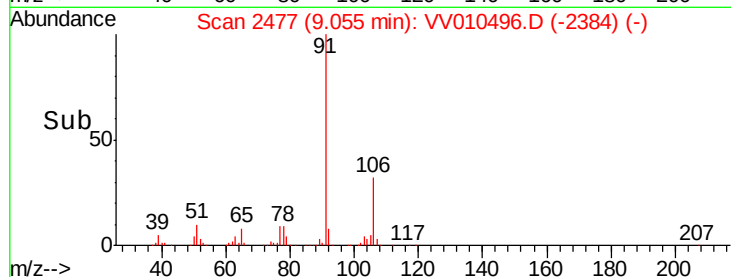
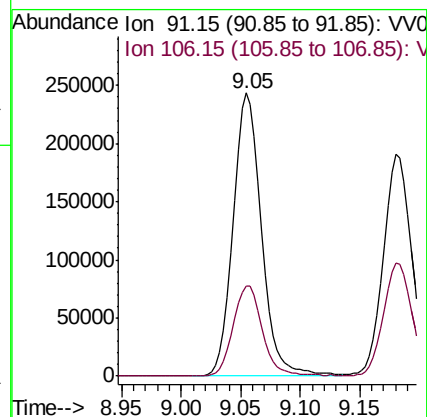
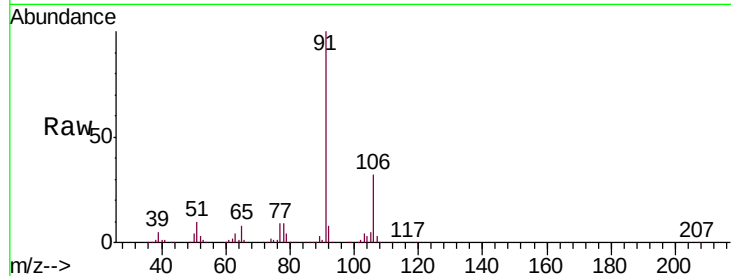
VSTD00548

Tgt Ion: 91 Resp: 401976

Ion Ratio Lower Upper

91 100

106 31.7 22.4 41.6



#53

m,p-xylene

Concen: 5.560 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV010496.D

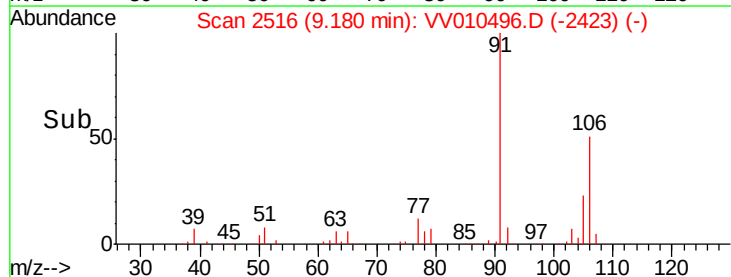
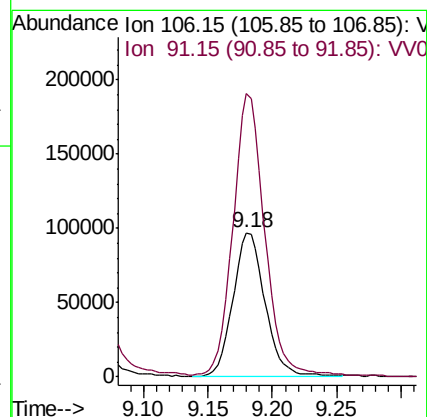
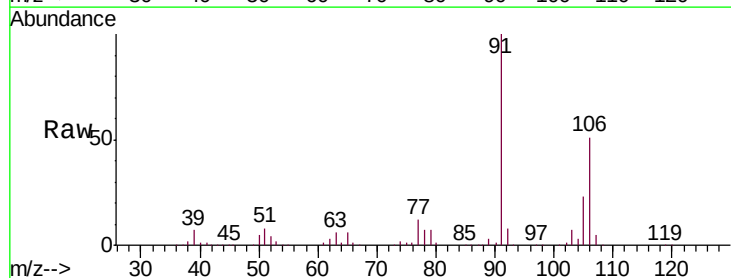
Acq: 25 Apr 2019 15:16

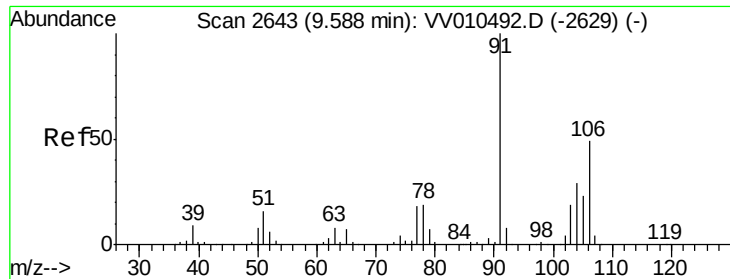
Tgt Ion: 106 Resp: 164858

Ion Ratio Lower Upper

106 100

91 196.0 142.9 265.3





#54

o-xylene

Concen: 5.361 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV010496.D

Acq: 25 Apr 2019 15:16

Instrument :

MSVOA_V

ClientSampleId :

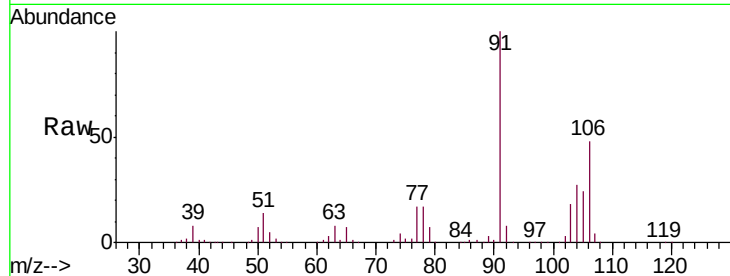
VSTD00548

Tgt Ion:106 Resp: 155933

Ion Ratio Lower Upper

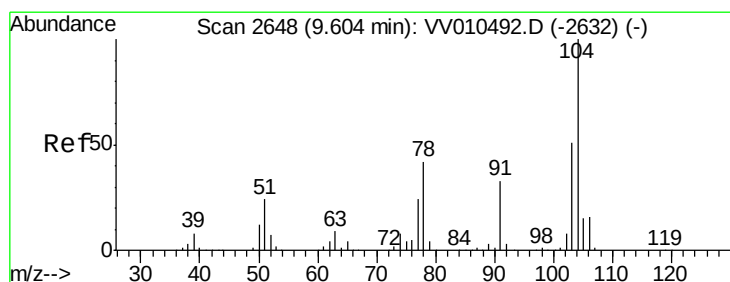
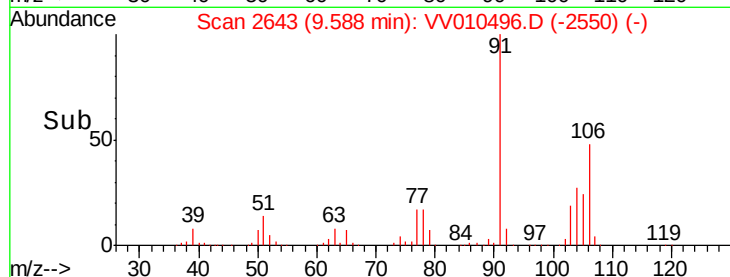
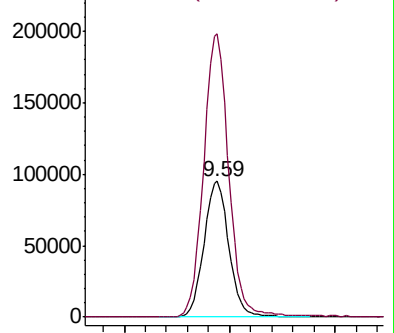
106 100

91 207.9 147.5 273.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.774 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV010496.D

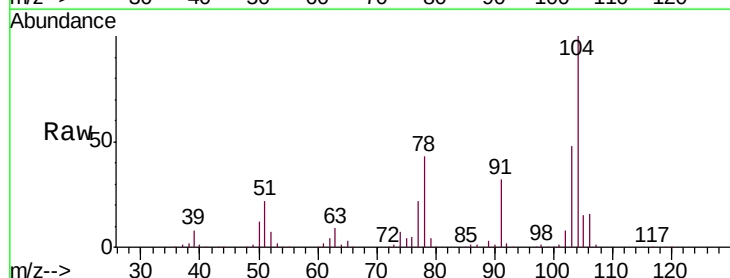
Acq: 25 Apr 2019 15:16

Tgt Ion:104 Resp: 272459

Ion Ratio Lower Upper

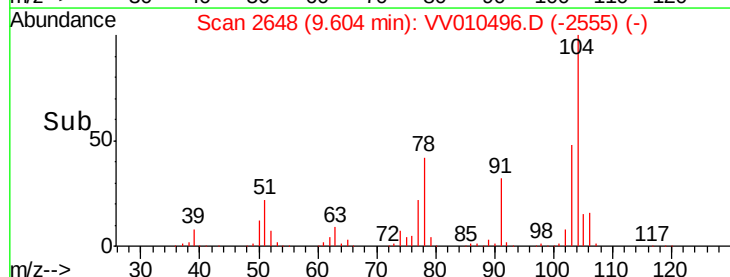
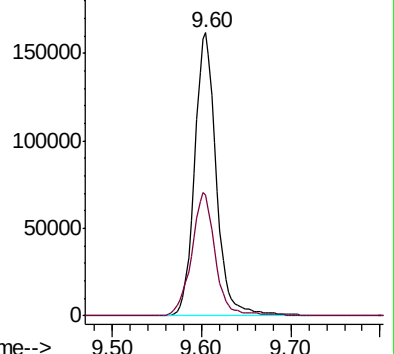
104 100

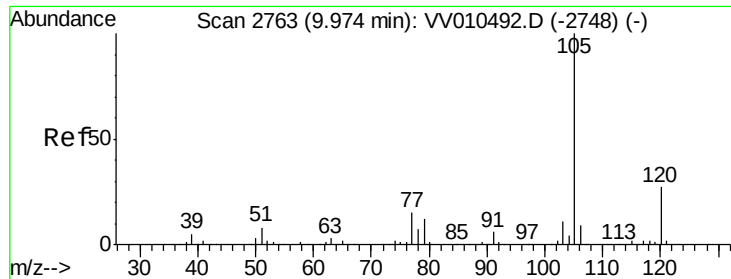
78 42.5 31.4 58.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.380 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV010496.D

Acq: 25 Apr 2019 15:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD00548

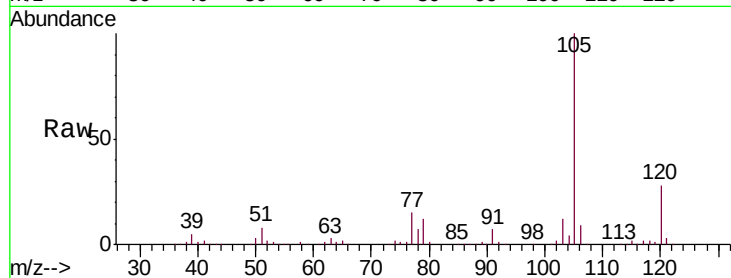
Tgt Ion: 105 Resp: 416800

Ion Ratio Lower Upper

105 100

120 27.8 21.9 32.9

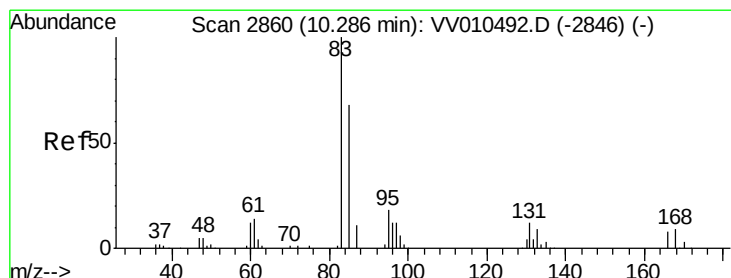
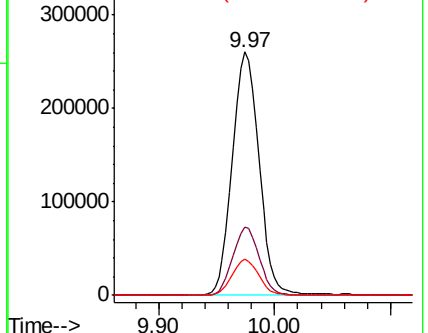
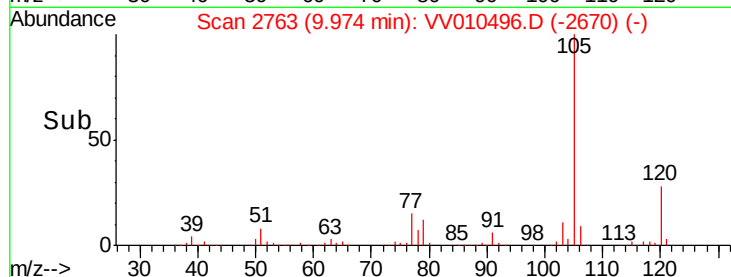
77 14.7 11.9 17.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.351 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV010496.D

Acq: 25 Apr 2019 15:16

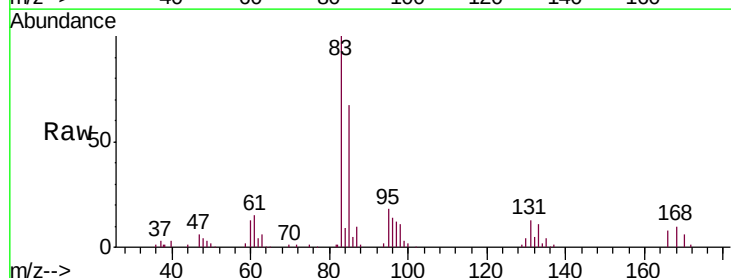
Tgt Ion: 83 Resp: 65244

Ion Ratio Lower Upper

83 100

85 66.6 46.9 87.1

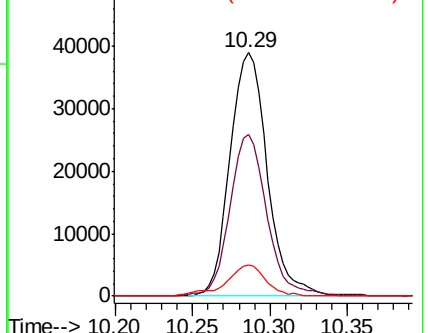
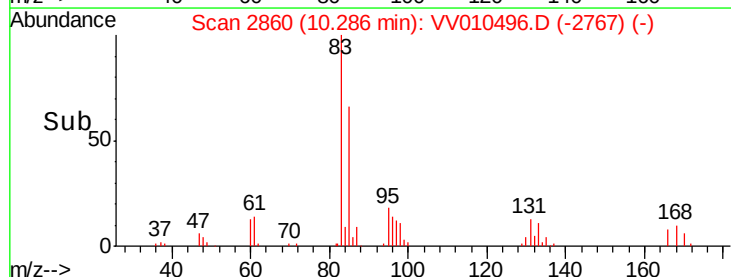
131 12.7 10.3 15.5

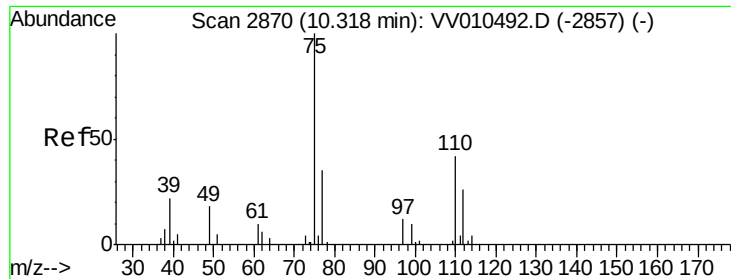


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

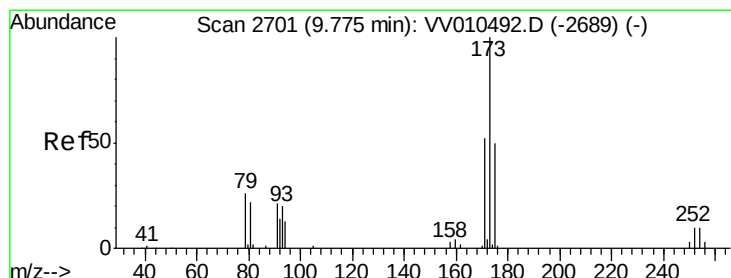
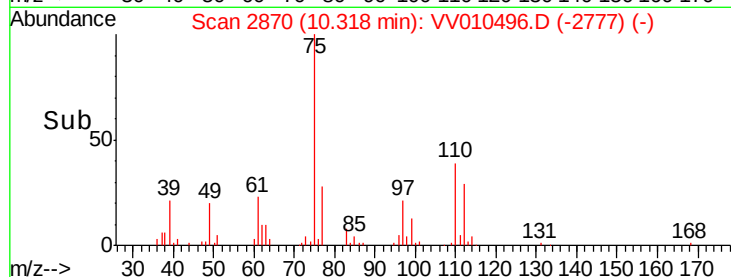
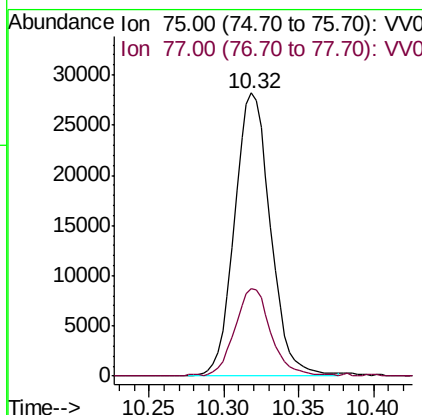
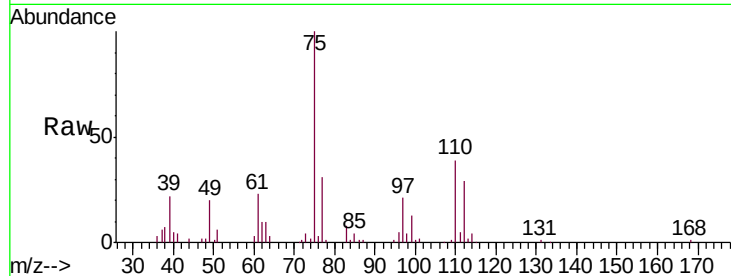




#59
 1,2,3-Trichloropropane
 Concen: 5.273 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV010496.D
 Acq: 25 Apr 2019 15:16

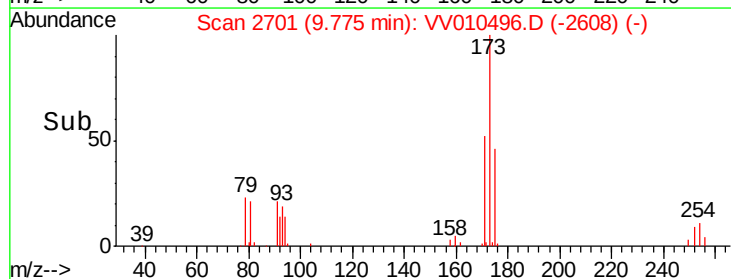
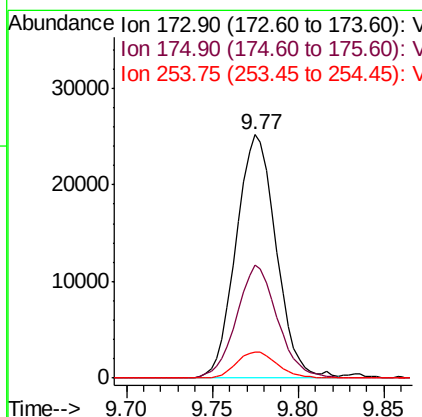
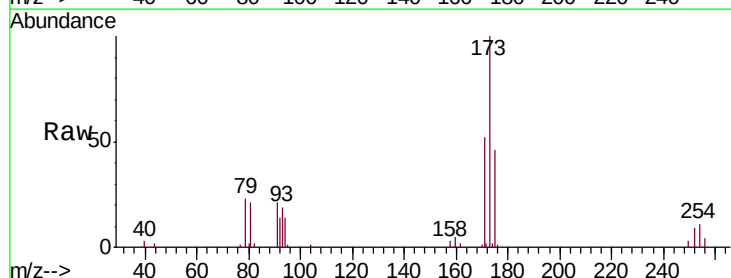
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00548

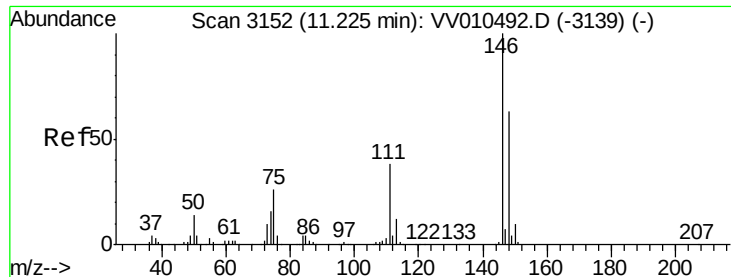
Tgt Ion: 75 Resp: 47206
 Ion Ratio Lower Upper
 75 100
 77 29.9 25.9 38.9



#61
 Bromoform
 Concen: 5.437 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV010496.D
 Acq: 25 Apr 2019 15:16

Tgt Ion: 173 Resp: 40781
 Ion Ratio Lower Upper
 173 100
 175 47.3 38.9 58.3
 254 10.7 8.1 12.1





#62

1,3-Dichlorobenzene

Concen: 5.376 ug/L

RT: 11.22 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV010496.D

Acq: 25 Apr 2019 15:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD00548

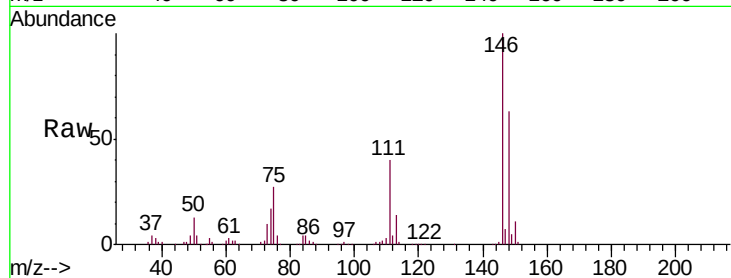
Tgt Ion:146 Resp: 211920

Ion Ratio Lower Upper

146 100

111 40.0 26.3 48.9

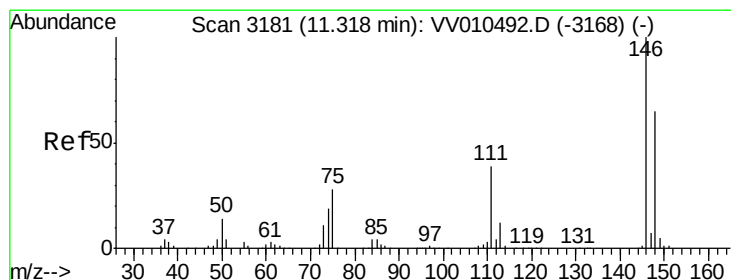
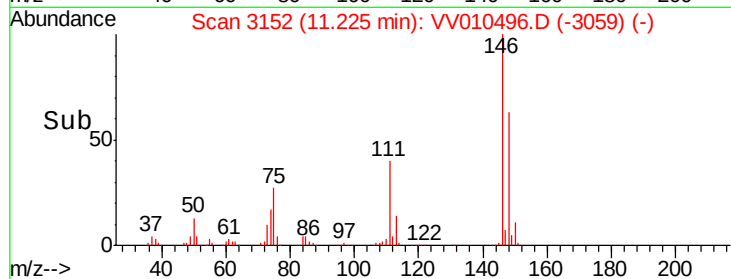
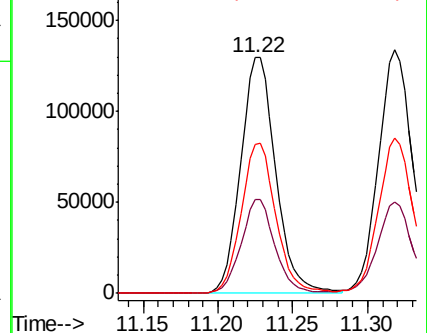
148 63.4 43.3 80.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.470 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. 0.00 min

Lab File: VV010496.D

Acq: 25 Apr 2019 15:16

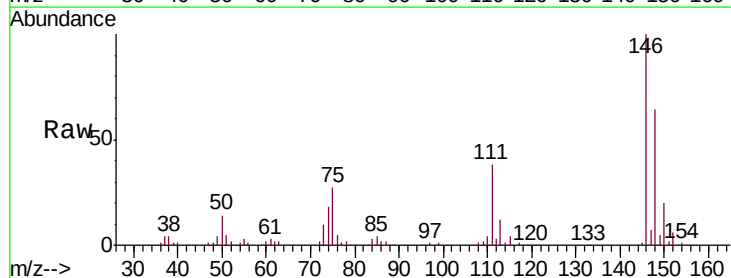
Tgt Ion:146 Resp: 217164

Ion Ratio Lower Upper

146 100

111 37.5 26.6 49.4

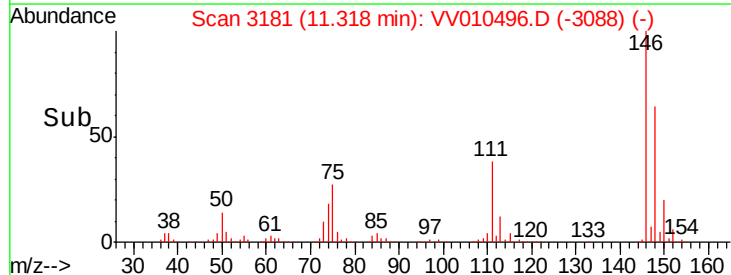
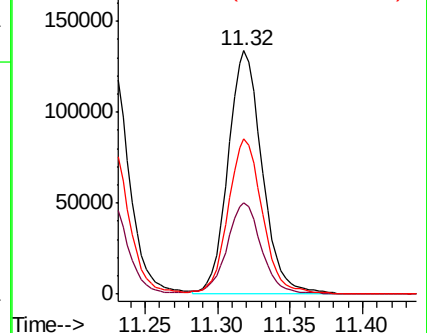
148 63.7 44.5 82.7

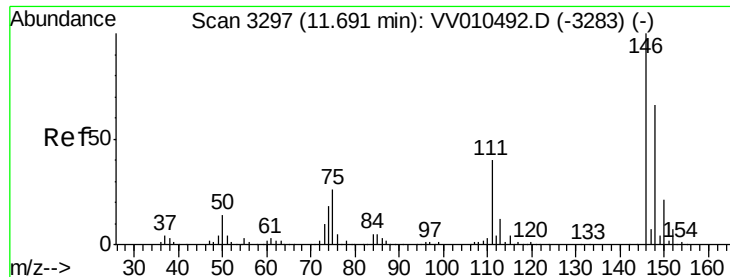


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

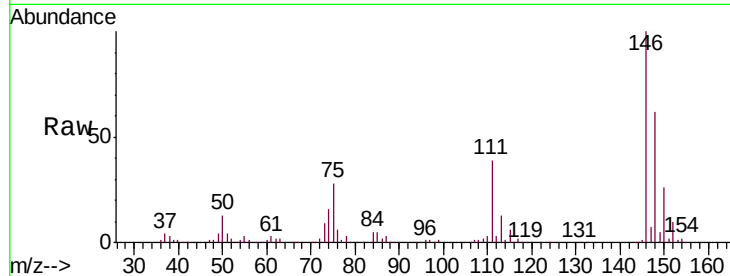




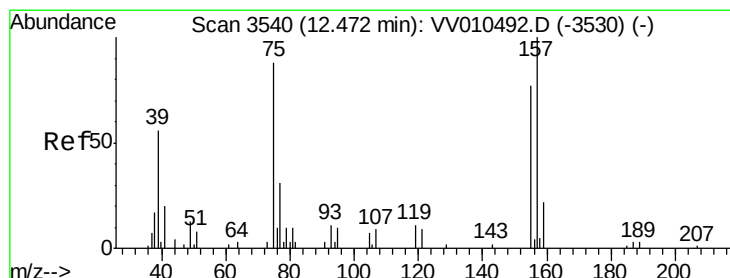
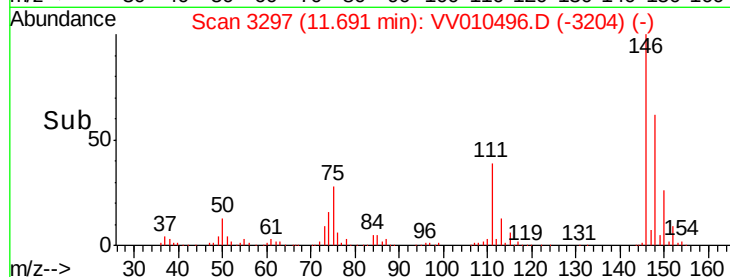
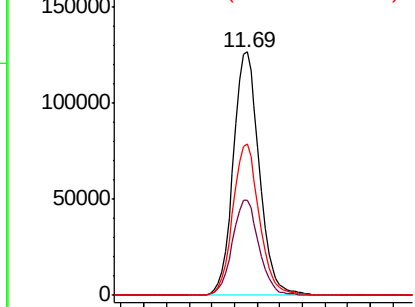
#65
 1,2-Dichlorobenzene
 Concen: 5.429 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV010496.D
 Acq: 25 Apr 2019 15:16

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00548

Tgt Ion: 146 Resp: 203030
 Ion Ratio Lower Upper
 146 100
 111 39.3 31.6 47.4
 148 62.1 50.2 75.4

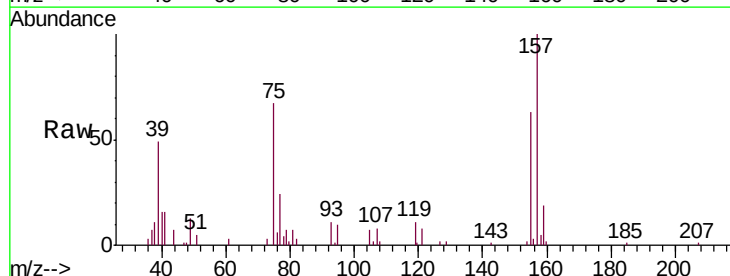


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

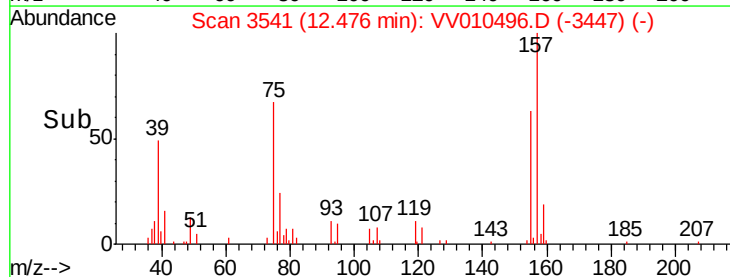
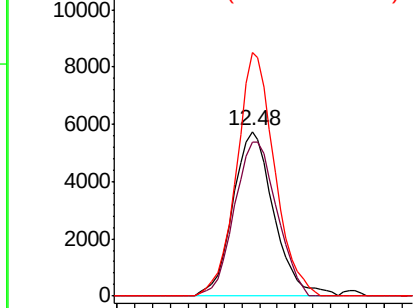


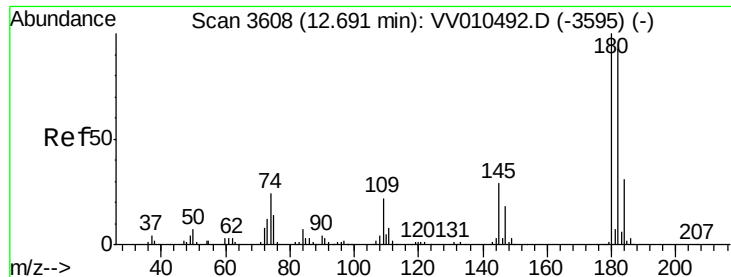
#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.523 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.00 min
 Lab File: VV010496.D
 Acq: 25 Apr 2019 15:16

Tgt Ion: 75 Resp: 9160
 Ion Ratio Lower Upper
 75 100
 155 93.4 80.3 120.5
 157 148.2 96.7 145.1#



Abundance Ion 75.05 (74.75 to 75.75): VV0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V

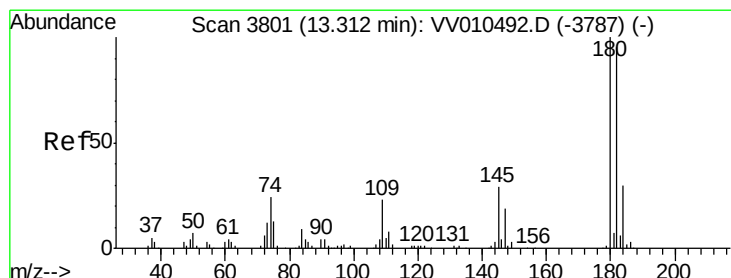
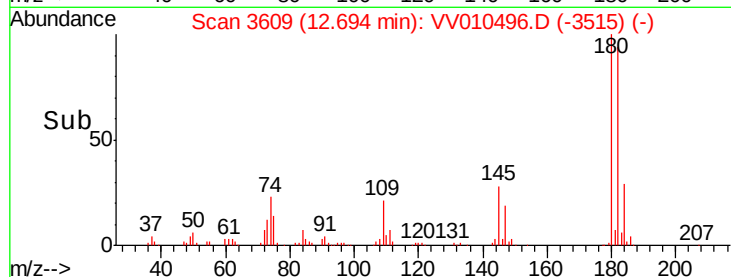
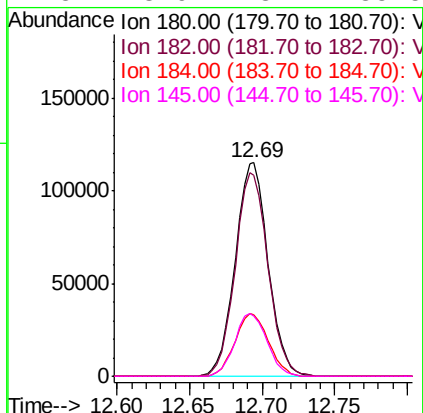
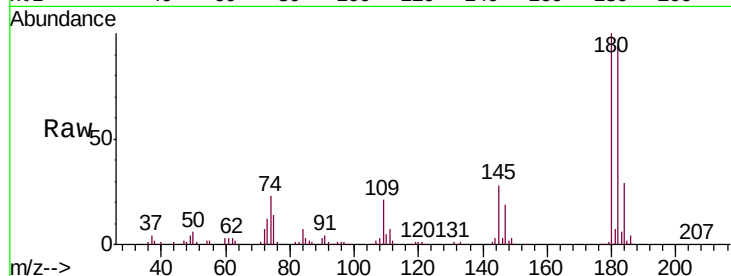




#67
 1,3,5-Trichlorobenzene
 Concen: 5.589 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV010496.D
 Acq: 25 Apr 2019 15:16

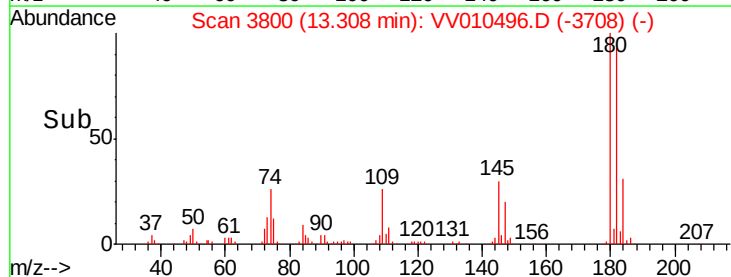
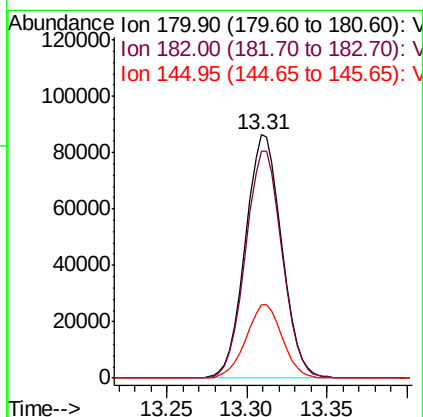
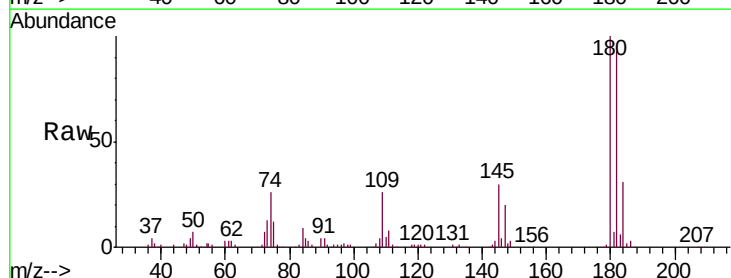
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00548

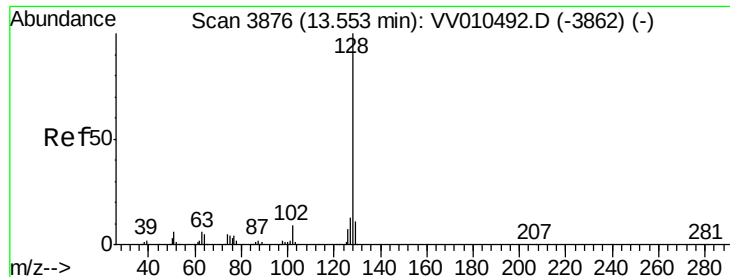
Tgt Ion:	180	Resp:	180440
Ion	Ratio	Lower	Upper
180	100		
182	95.2	74.8	112.2
184	30.2	24.0	36.0
145	28.9	23.7	35.5



#68
 1,2,4-trichlorobenzene
 Concen: 5.490 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. -0.00 min
 Lab File: VV010496.D
 Acq: 25 Apr 2019 15:16

Tgt Ion:	180	Resp:	134103
Ion	Ratio	Lower	Upper
180	100		
182	93.8	76.3	114.5
145	30.0	24.5	36.7





#69

Naphthalene

Concen: 4.497 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV010496.D

Acq: 25 Apr 2019 15:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD00548

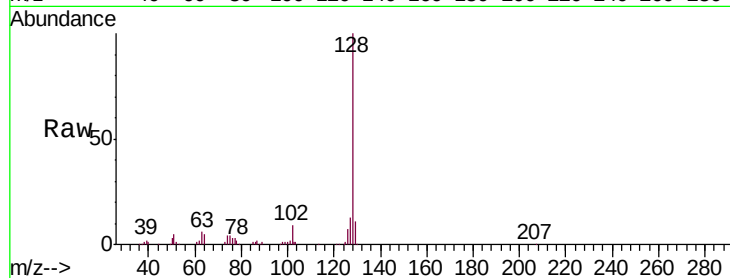
Tgt Ion:128 Resp: 162973

Ion Ratio Lower Upper

128 100

129 11.2 8.7 13.1

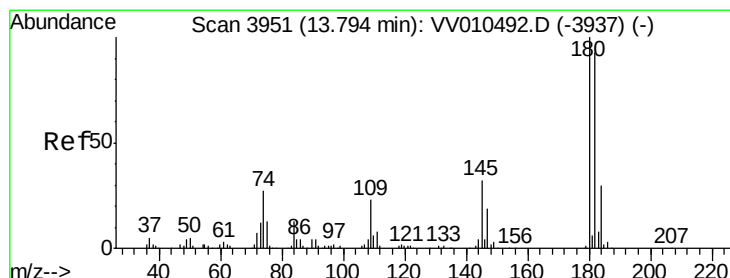
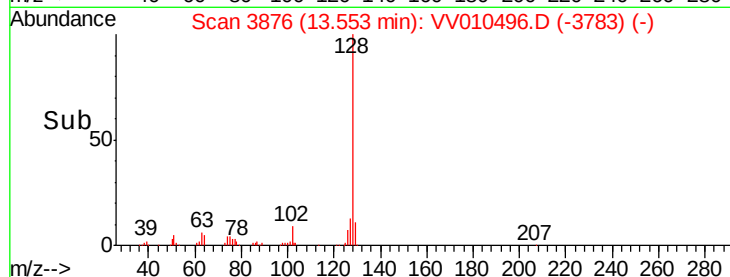
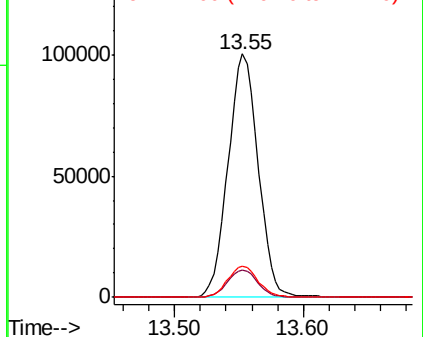
127 13.0 10.3 15.5



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: 5.380 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV010496.D

Acq: 25 Apr 2019 15:16

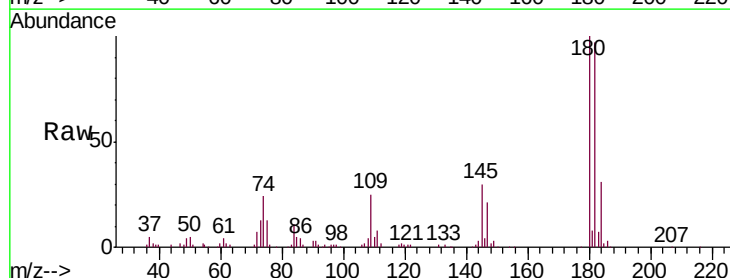
Tgt Ion:180 Resp: 124598

Ion Ratio Lower Upper

180 100

182 97.1 76.9 115.3

145 30.7 25.4 38.0



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

