

Data File : VV010454.D
Acq On : 24 Apr 2019 11:26
Operator : SY/MD
Sample : VSTD00535
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00535

Quant Time: Apr 25 01:37:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Apr 25 01:34:16 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	253317	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	249625	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	129804	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	74694	5.43	ug/L	0.00
7) Chloroethane-d5	1.58	69	57283	4.00	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	149034	4.16	ug/L	0.00
20) 2-Butanone-d5	3.97	46	161349	47.93	ug/L	0.00
24) Chloroform-d	4.40	84	156482	5.08	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	77961	5.00	ug/L	0.00
32) Benzene-d6	5.10	84	300445	5.19	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	89334	4.91	ug/L	0.00
41) Toluene-d8	7.36	98	301473	5.41	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	34355	5.73	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	136236	52.09	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	65911	4.79	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	116237	4.97	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	104243	4.378 ug/L	100
3) Chloromethane	1.25	50	84051	4.217 ug/L	100
5) Vinyl chloride	1.32	62	91252	4.201 ug/L	100
6) Bromomethane	1.54	94	60738	3.925 ug/L	100
8) Chloroethane	1.60	64	49803	3.438 ug/L	100
9) Trichlorofluoromethane	1.77	101	168805	3.919 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	91357	4.008 ug/L	100
12) 1,1-Dichloroethene	2.14	96	80603	4.202 ug/L	100
13) Acetone	2.22	43	99389	37.860 ug/L	100
14) Carbon disulfide	2.32	76	214828	4.200 ug/L	100
15) Methyl Acetate	2.48	43	23644	3.847 ug/L	100
16) Methylene chloride	2.54	84	79044	3.704 ug/L	100
17) Methyl tert-butyl Ether	2.81	73	188750	4.107 ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	87104	4.106 ug/L	100
19) 1,1-Dichloroethane	3.23	63	138574	3.812 ug/L	100
21) 2-Butanone	4.06	43	181180	52.734 ug/L	100
22) cis-1,2-Dichloroethene	3.96	96	89685	4.913 ug/L	100
23) Bromochloromethane	4.30	128	38666	4.729 ug/L	100
25) Chloroform	4.43	83	165774	4.852 ug/L	100
27) 1,2-Dichloroethane	5.18	62	94135	4.956 ug/L	100
29) 1,1,1-Trichloroethane	4.65	97	152365	5.183 ug/L	100
30) Cyclohexane	4.72	56	127857	5.171 ug/L	100
31) Carbon tetrachloride	4.87	117	144092	5.223 ug/L	100
33) Benzene	5.14	78	338235	4.991 ug/L	100
34) Trichloroethene	5.96	95	96791	4.905 ug/L	100
35) Methylcyclohexane	6.17	83	150495	5.147 ug/L	100
37) 1,2-Dichloropropane	6.22	63	78574	5.013 ug/L	100
38) Bromodichloromethane	6.56	83	109419	5.209 ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	121411	5.514 ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	459107	53.426 ug/L	100

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	380696	5.040	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	93684	5.490	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	59416	4.792	ug/L	100
47) Tetrachloroethene	8.02	164	84475	4.907	ug/L	100
48) 2-Hexanone	8.19	43	328738	56.877	ug/L	100
49) Dibromochloromethane	8.29	129	77160	5.177	ug/L	100
50) 1,2-Dibromoethane	8.40	107	58286	5.169	ug/L	100
51) Chlorobenzene	8.93	112	252087	4.924	ug/L	100
52) Ethylbenzene	9.05	91	424956	5.197	ug/L	100
53) m,p-xylene	9.18	106	172030	5.393	ug/L	100
54) o-xylene	9.59	106	163301	5.297	ug/L	100
55) Styrene	9.60	104	271474	5.457	ug/L	100
56) Isopropylbenzene	9.97	105	446928	5.446	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	68730	5.093	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	50956	5.280	ug/L	100
61) Bromoform	9.78	173	39083	4.842	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	210513	5.010	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	209934	4.959	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	198766	5.036	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	9681	5.167	ug/L	100
67) 1,3,5-Trichlorobenzene	12.69	180	171708	5.267	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	128660	5.514	ug/L	100
69) Naphthalene	13.55	128	182182	6.435	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	119818	5.648	ug/L	100

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

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ALS Vial      : 4      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
VSTD00535

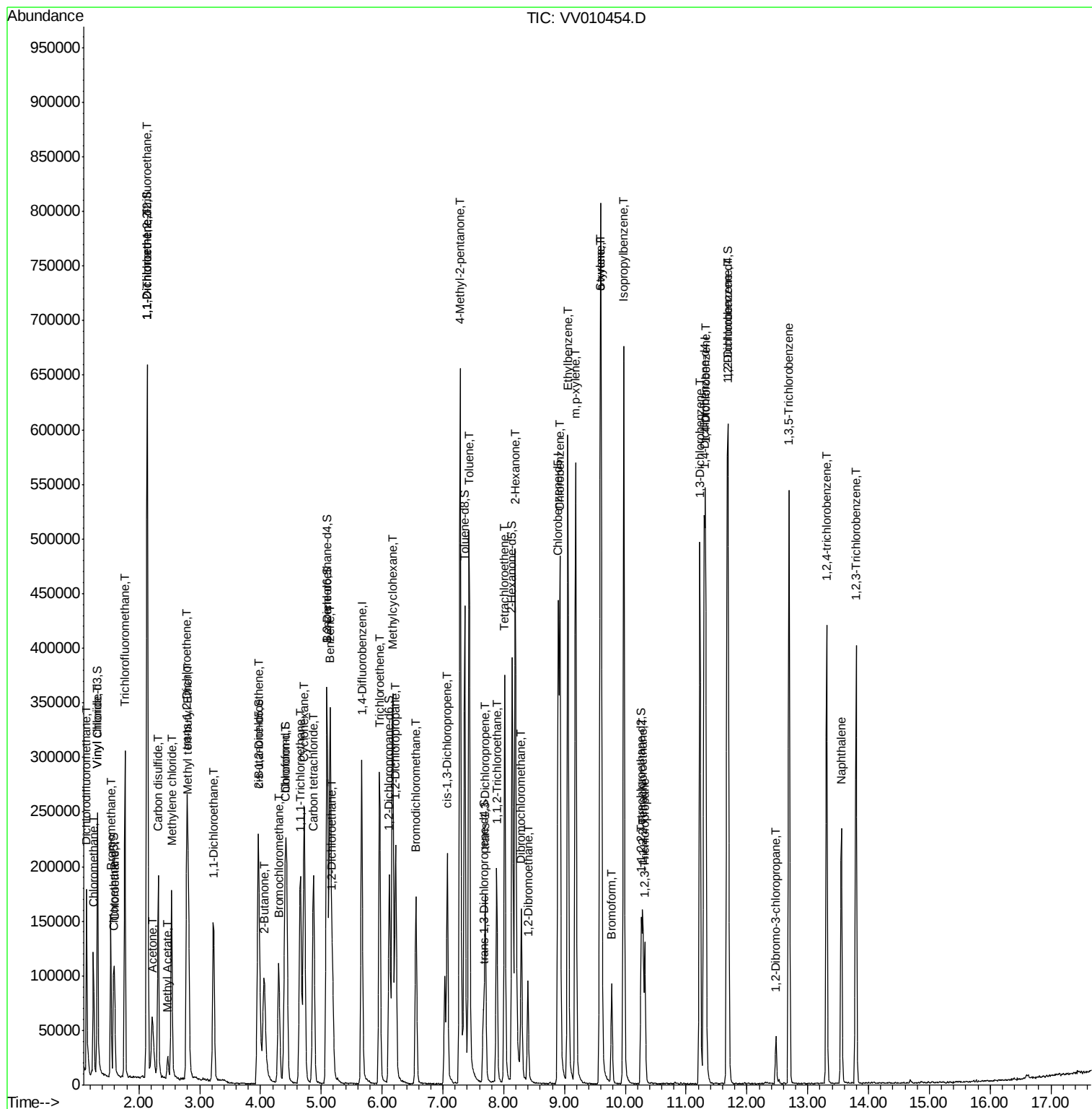
Quant Time: Apr 25 01:37:47 2019

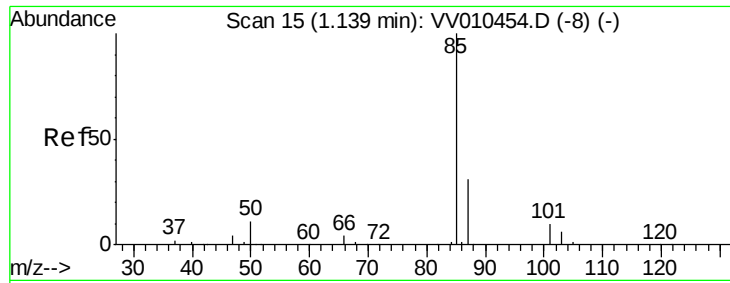
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042419WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Thu Apr 25 01:34:16 2019

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#2

Dichlorodifluoromethane

Concen: 4.378 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV010454.D

Acq: 24 Apr 2019 11:26

Instrument :

MSVOA_V

ClientSampleId :

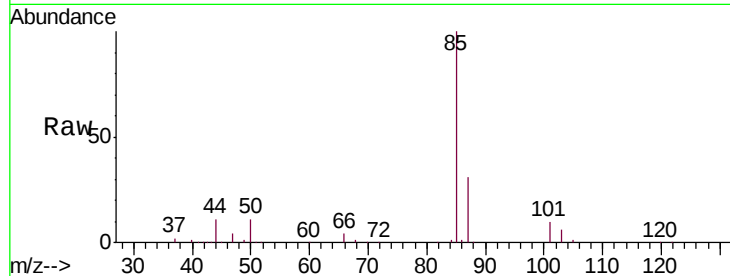
VSTD00535

Tgt Ion: 85 Resp: 104243

Ion Ratio Lower Upper

85 100

87 31.0 24.8 37.2



Abundance Ion 85.00 (84.70 to 85.70): VV010454.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV010454.D (-8) (-)

1.14

100000

80000

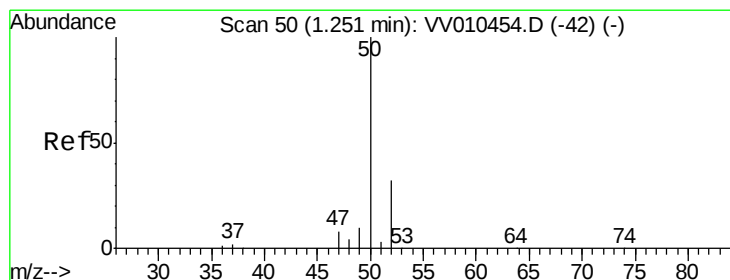
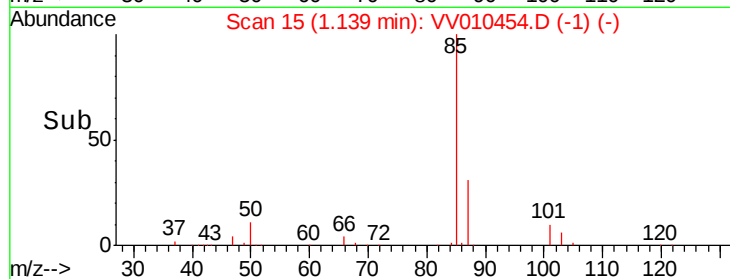
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 4.217 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV010454.D

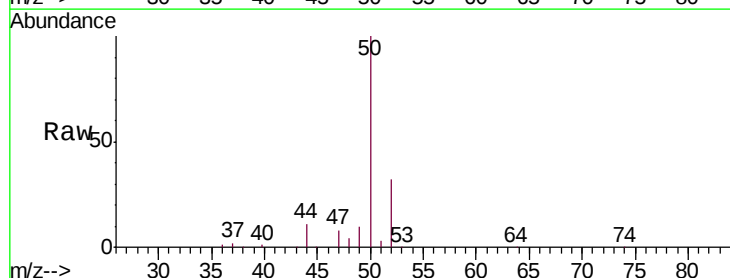
Acq: 24 Apr 2019 11:26

Tgt Ion: 50 Resp: 84051

Ion Ratio Lower Upper

50 100

52 32.5 22.7 42.3



Abundance Ion 50.05 (49.75 to 50.75): VV010454.D (-42) (-)

Ion 52.05 (51.75 to 52.75): VV010454.D (-42) (-)

1.25

80000

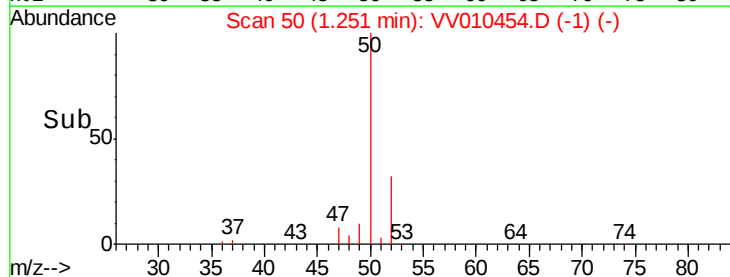
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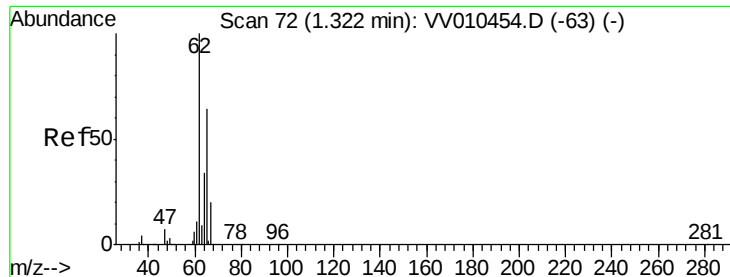
40000

20000

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Time-->





#5

Vinyl chloride

Concen: 4.201 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV010454.D

Acq: 24 Apr 2019 11:26

Instrument :

MSVOA_V

ClientSampleId :

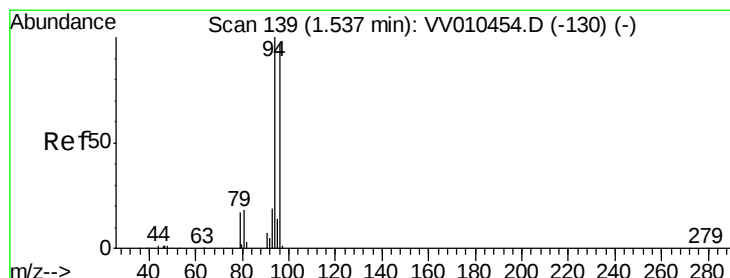
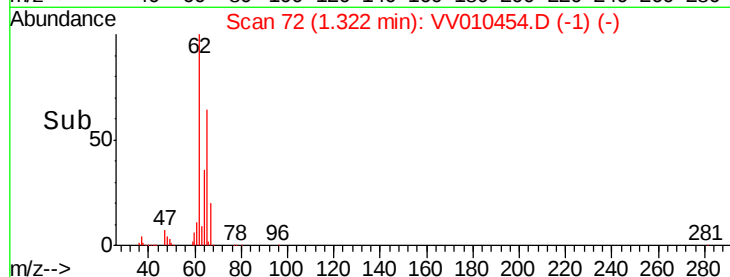
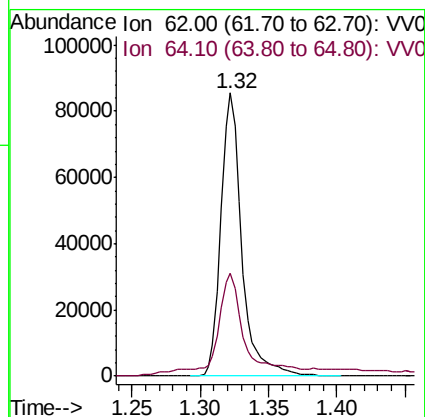
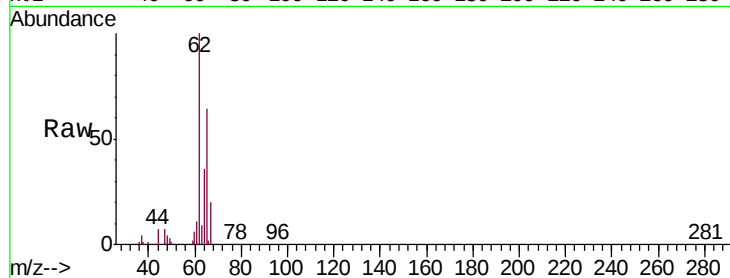
VSTD00535

Tgt Ion: 62 Resp: 91252

Ion Ratio Lower Upper

62 100

64 36.3 25.4 47.2



#6

Bromomethane

Concen: 3.925 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV010454.D

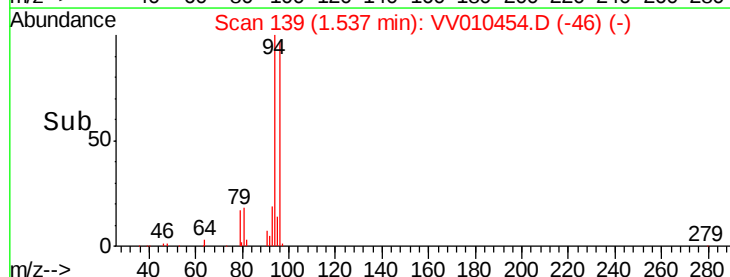
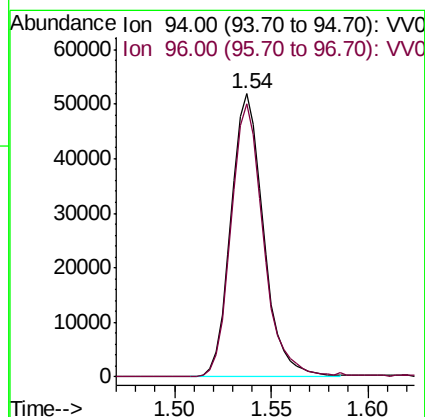
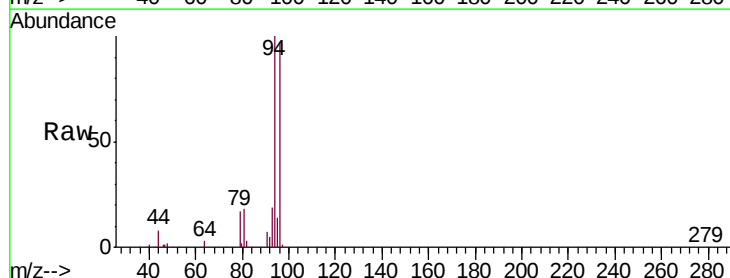
Acq: 24 Apr 2019 11:26

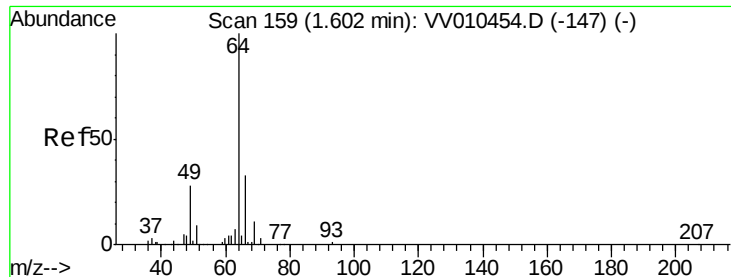
Tgt Ion: 94 Resp: 60738

Ion Ratio Lower Upper

94 100

96 96.6 67.6 125.6

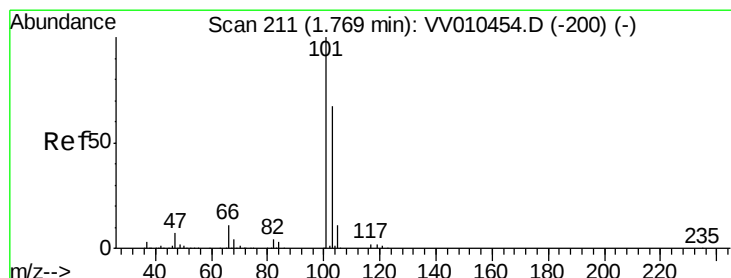
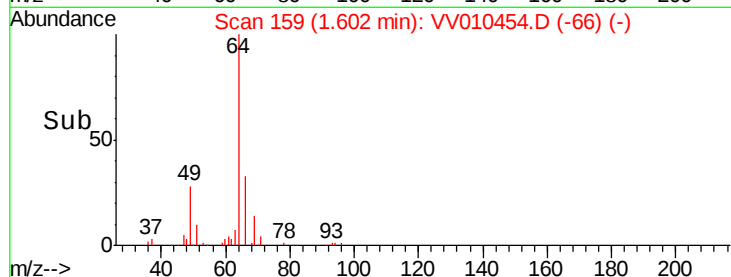
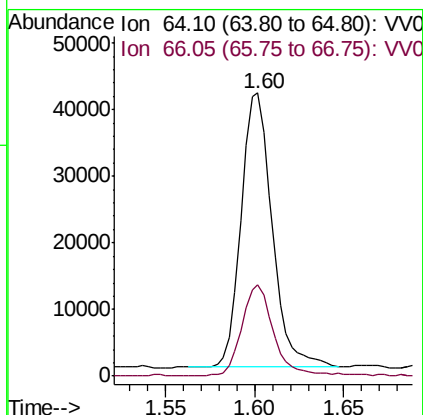
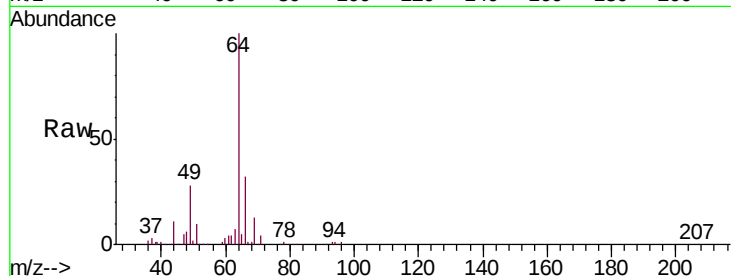




#8
Chloroethane
Concen: 3.438 ug/L
RT: 1.60 min Scan# 159
Delta R.T. 0.00 min
Lab File: VV010454.D
Acq: 24 Apr 2019 11:26

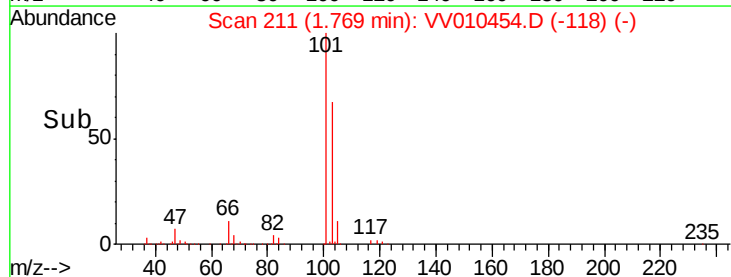
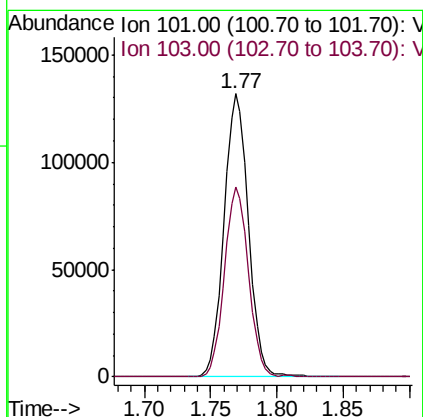
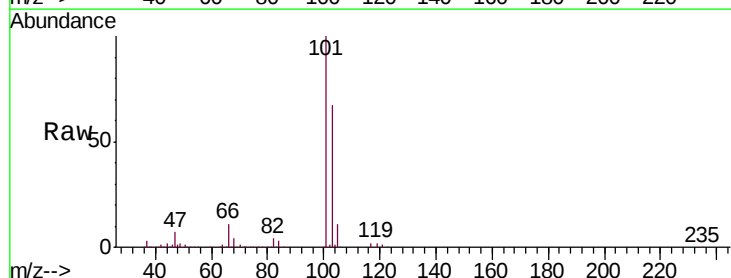
Instrument :
MSVOA_V
ClientSampleId :
VSTD00535

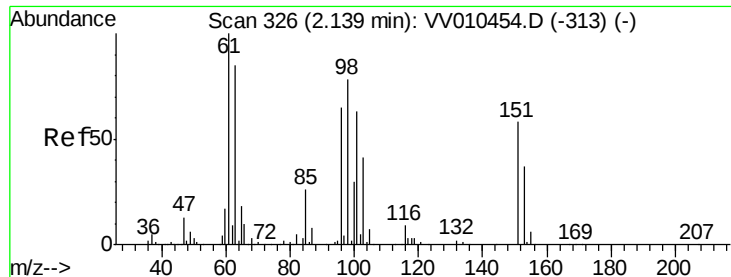
Tgt Ion: 64 Resp: 49803
Ion Ratio Lower Upper
64 100
66 32.2 22.5 41.9



#9
Trichlorofluoromethane
Concen: 3.919 ug/L
RT: 1.77 min Scan# 211
Delta R.T. 0.00 min
Lab File: VV010454.D
Acq: 24 Apr 2019 11:26

Tgt Ion: 101 Resp: 168805
Ion Ratio Lower Upper
101 100
103 65.7 52.6 78.8





#10

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

Concen: 4.008 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV010454.D

Acq: 24 Apr 2019 11:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD00535

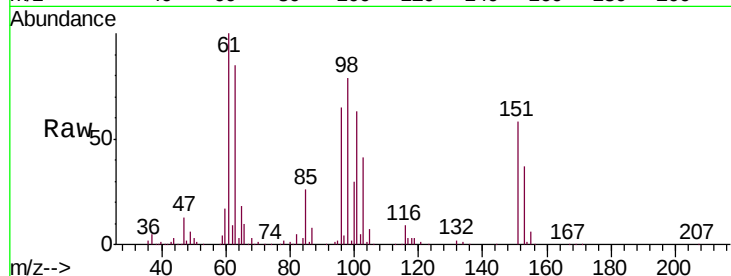
Tgt Ion:101 Resp: 91357

Ion Ratio Lower Upper

101 100

85 42.3 33.8 50.8

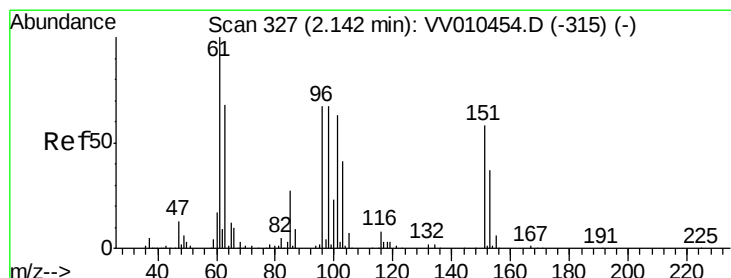
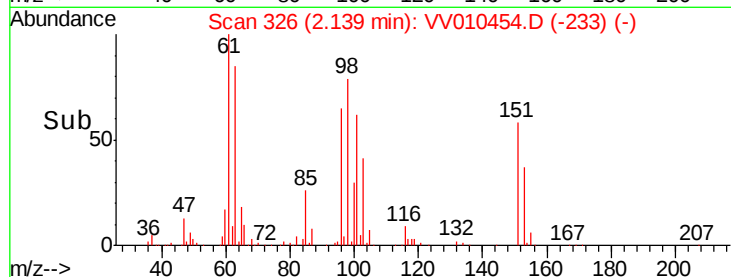
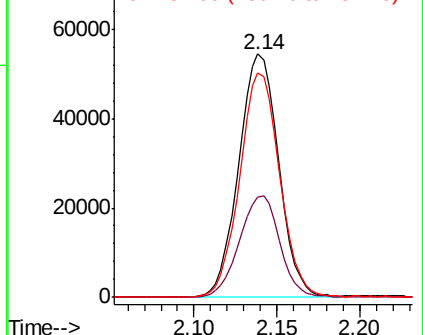
151 92.2 73.8 110.6



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: 4.202 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV010454.D

Acq: 24 Apr 2019 11:26

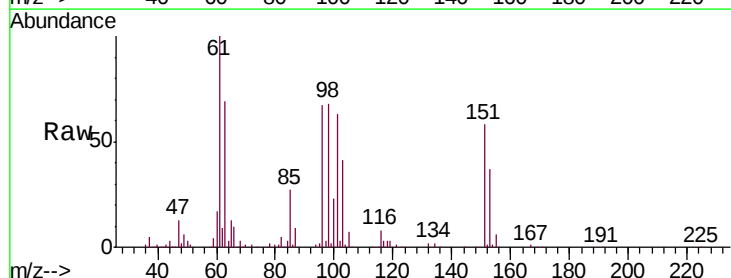
Tgt Ion: 96 Resp: 80603

Ion Ratio Lower Upper

96 100

61 149.0 104.3 193.7

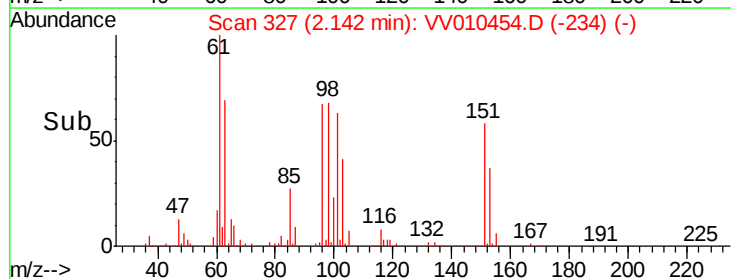
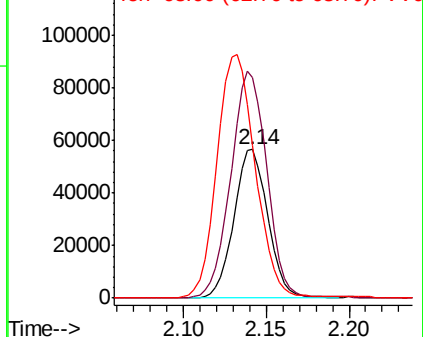
63 103.0 72.1 133.9

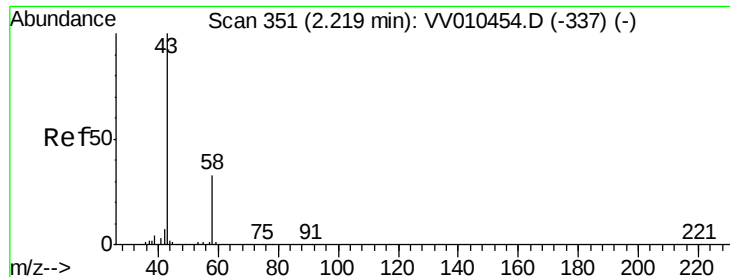


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 37.860 ug/L

RT: 2.22 min Scan# 351

Delta R.T. 0.00 min

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Instrument :

MSVOA_V

ClientSampleId :

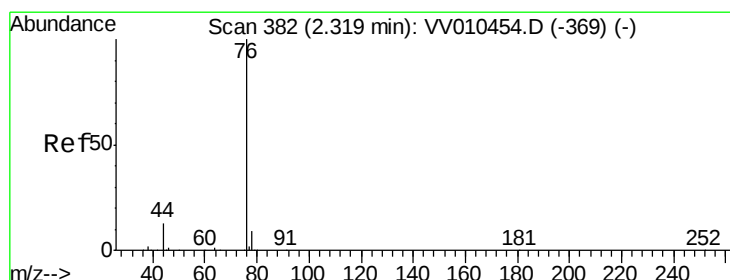
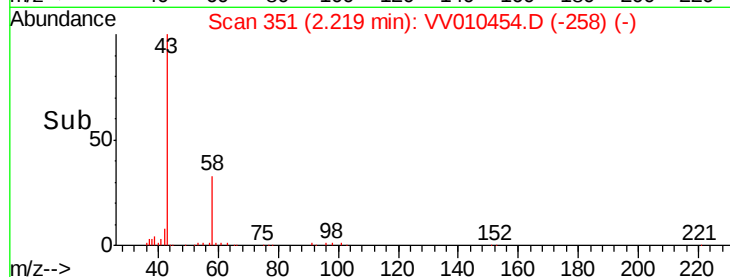
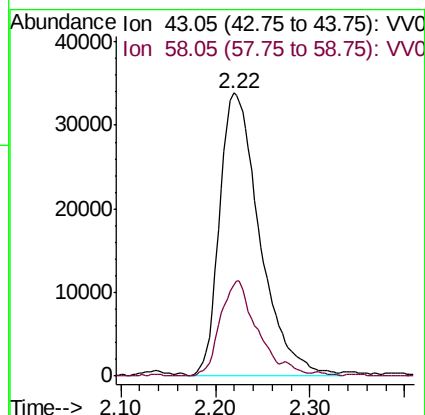
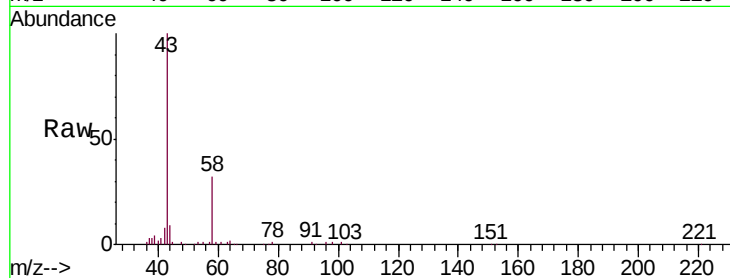
VSTD00535

Tgt Ion: 43 Resp: 99389

Ion Ratio Lower Upper

43 100

58 29.8 0.0 59.6



#14

Carbon disulfide

Concen: 4.200 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV010454.D

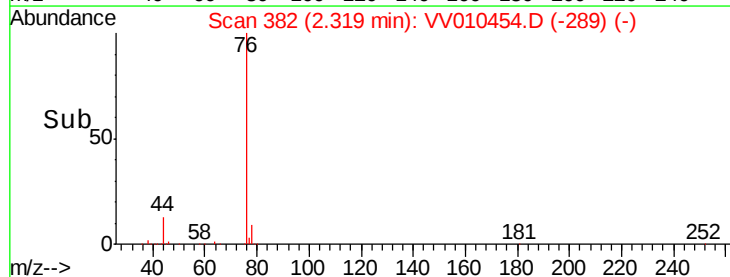
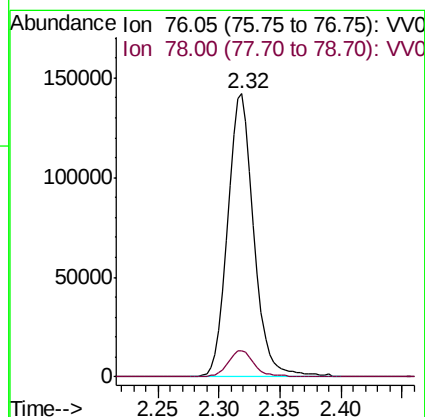
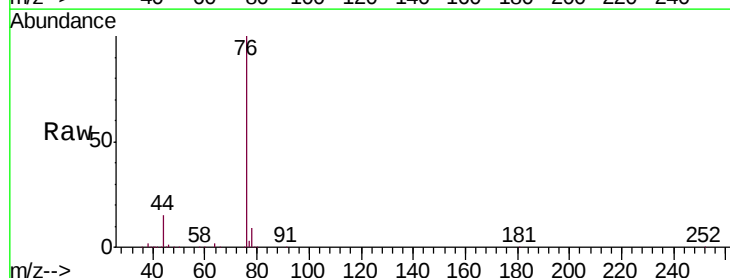
Acq: 24 Apr 2019 11:26

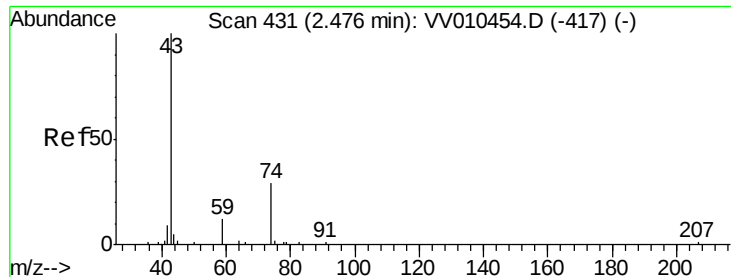
Tgt Ion: 76 Resp: 214828

Ion Ratio Lower Upper

76 100

78 9.4 7.5 11.3

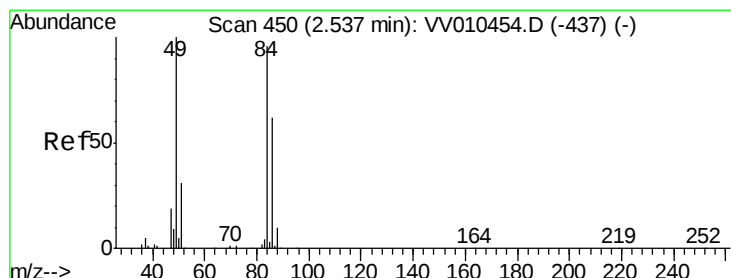
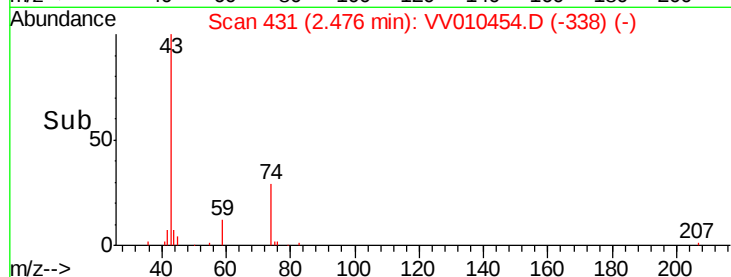
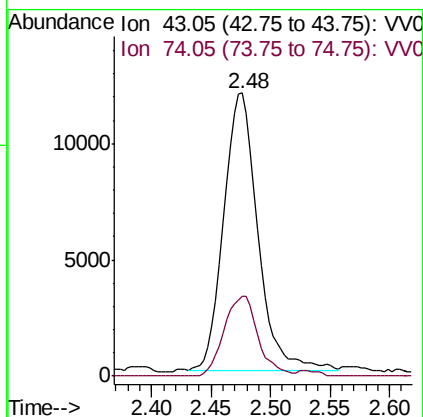
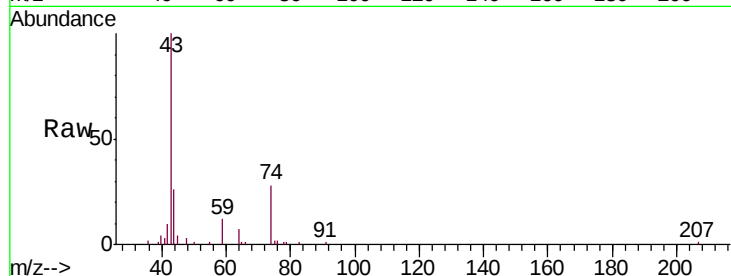




#15
Methyl Acetate
Concen: 3.847 ug/L
RT: 2.48 min Scan# 431
Delta R.T. 0.00 min
Lab File: VV010454.D
Acq: 24 Apr 2019 11:26

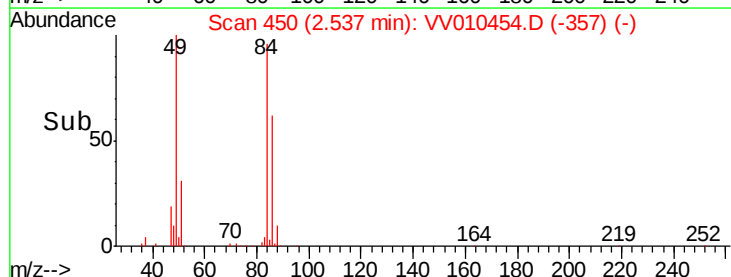
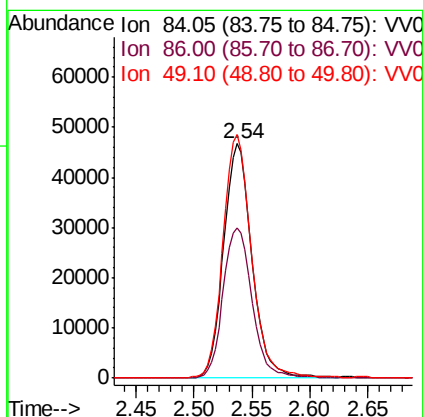
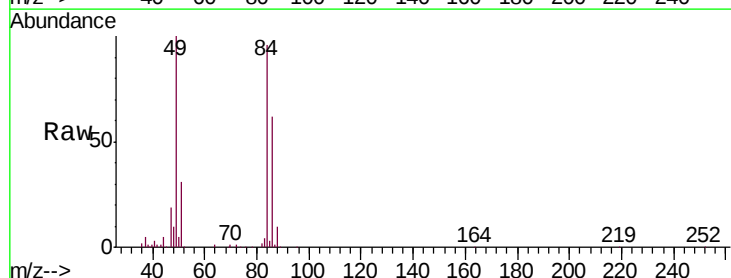
Instrument :
MSVOA_V
ClientSampled :
VSTD00535

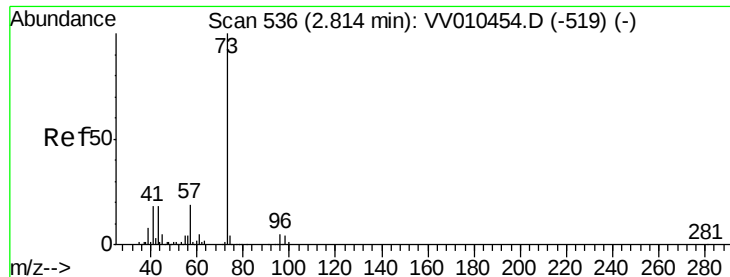
Tgt Ion: 43 Resp: 23644
Ion Ratio Lower Upper
43 100
74 28.8 23.0 34.6



#16
Methylene chloride
Concen: 3.704 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV010454.D
Acq: 24 Apr 2019 11:26

Tgt Ion: 84 Resp: 79044
Ion Ratio Lower Upper
84 100
86 63.9 44.7 83.1
49 103.9 72.7 135.1



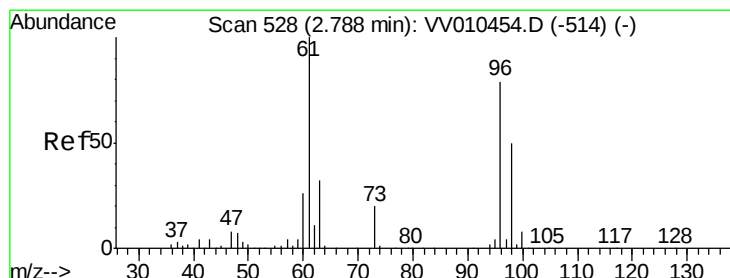
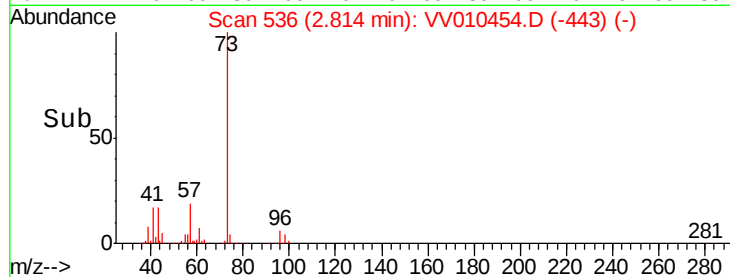
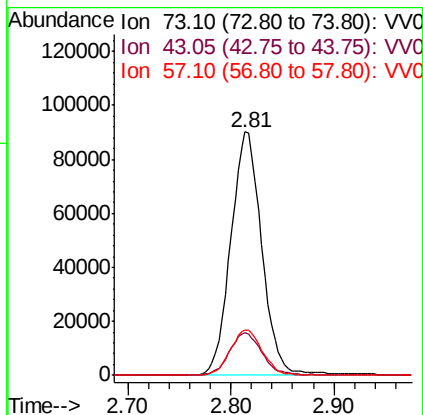
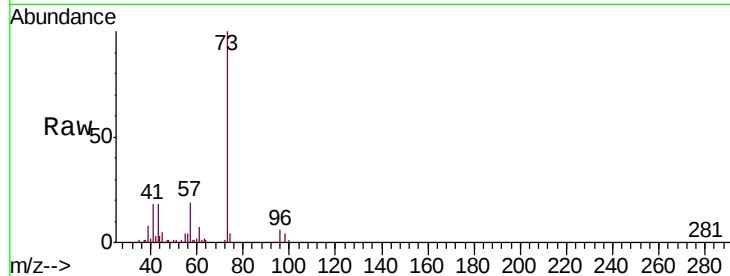


#17

Methyl tert-butyl Ether
 Concen: 4.107 ug/L
 RT: 2.81 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VV010454.D
 Acq: 24 Apr 2019 11:26

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00535

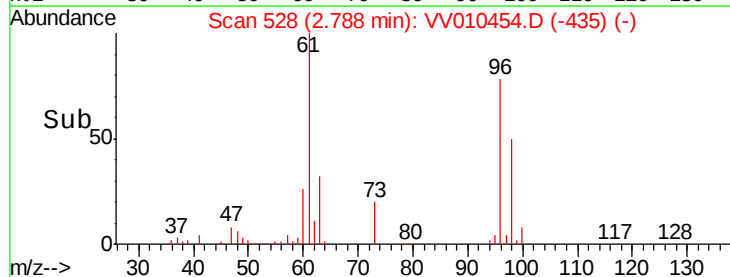
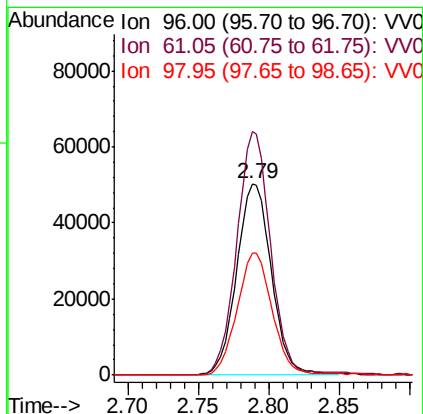
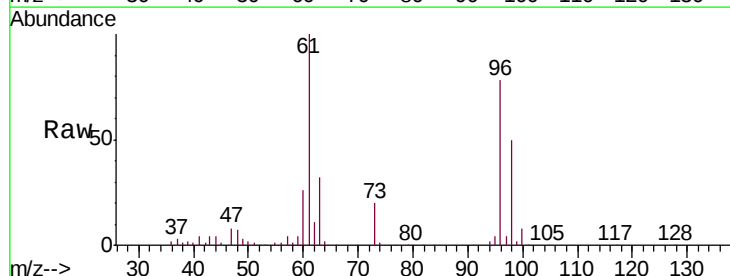
Tgt Ion	Ratio	Lower	Upper
73	100		
43	18.6	14.9	22.3
57	19.6	15.7	23.5

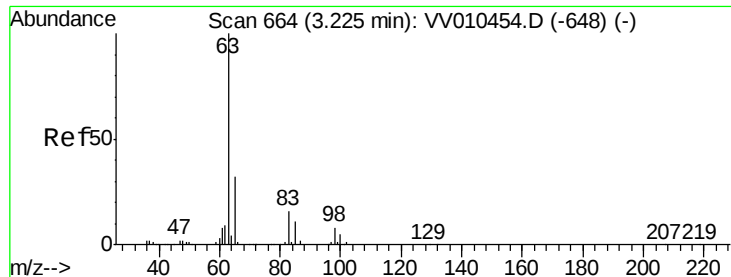


#18

trans-1,2-Dichloroethene
 Concen: 4.106 ug/L
 RT: 2.79 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VV010454.D
 Acq: 24 Apr 2019 11:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	127.4	89.2	165.6
98	64.0	44.8	83.2

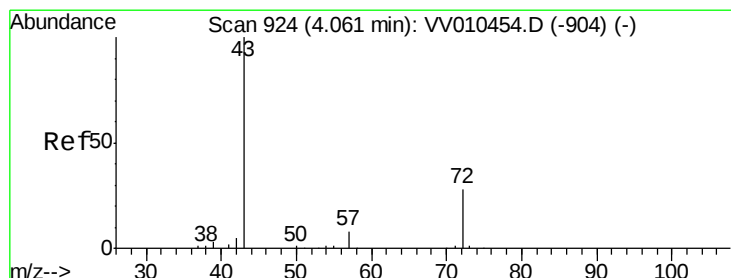
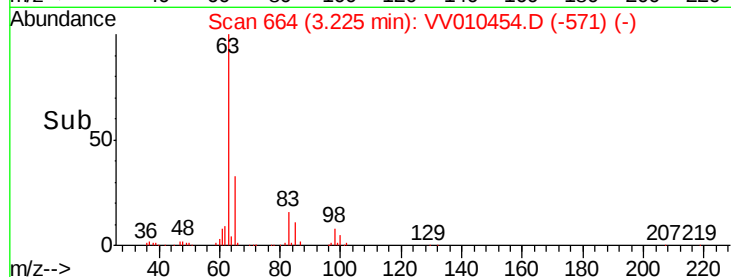
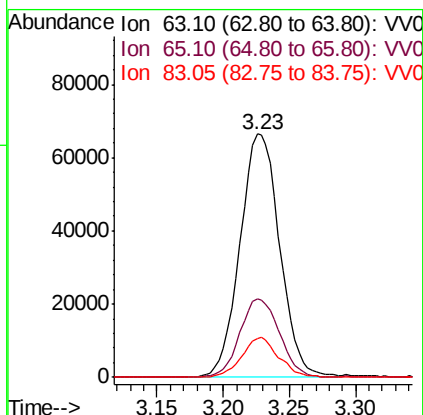
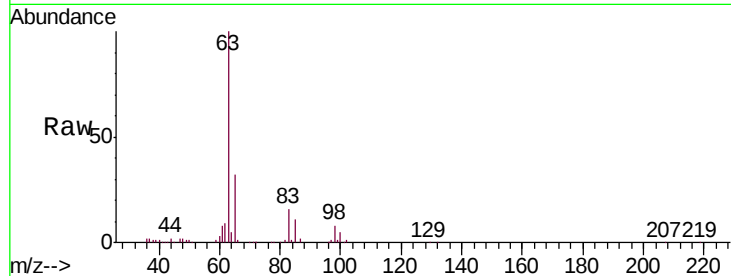




#19
 1,1-Dichloroethane
 Concen: 3.812 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: VV010454.D
 Acq: 24 Apr 2019 11:26

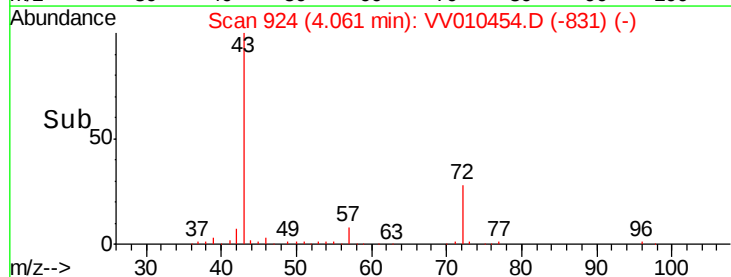
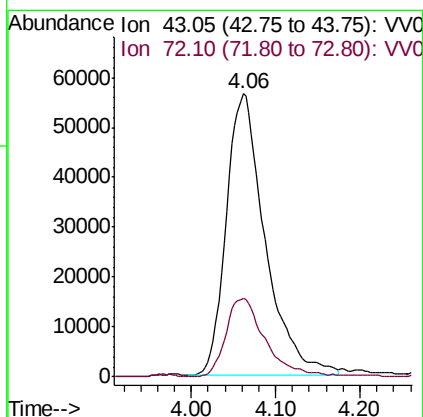
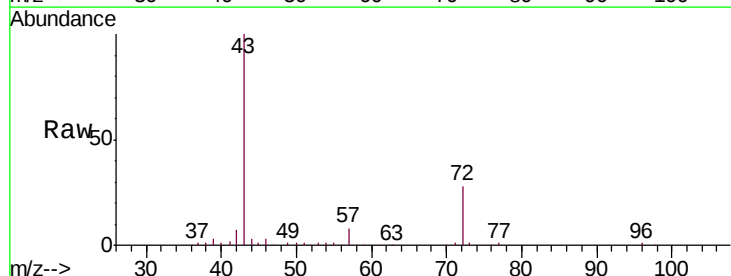
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00535

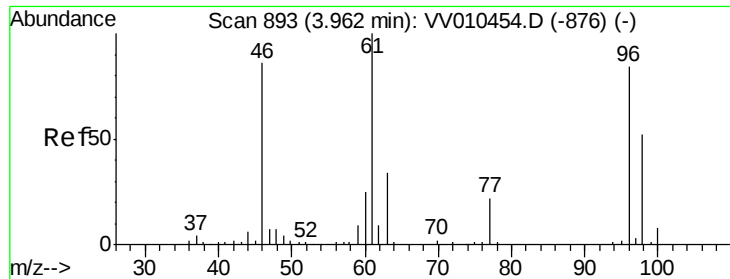
Tgt Ion: 63 Resp: 138574
 Ion Ratio Lower Upper
 63 100
 65 32.5 22.7 42.3
 83 16.1 11.3 20.9



#21
 2-Butanone
 Concen: 52.734 ug/L
 RT: 4.06 min Scan# 924
 Delta R.T. 0.00 min
 Lab File: VV010454.D
 Acq: 24 Apr 2019 11:26

Tgt Ion: 43 Resp: 181180
 Ion Ratio Lower Upper
 43 100
 72 28.1 14.1 42.2



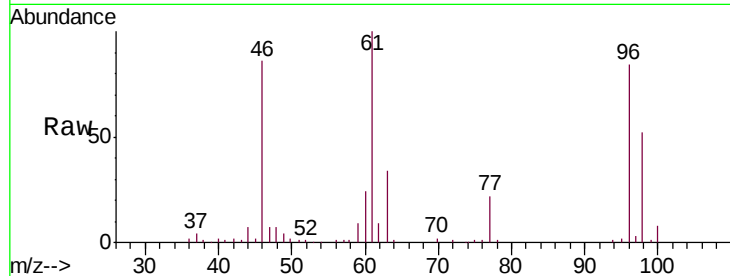


#22

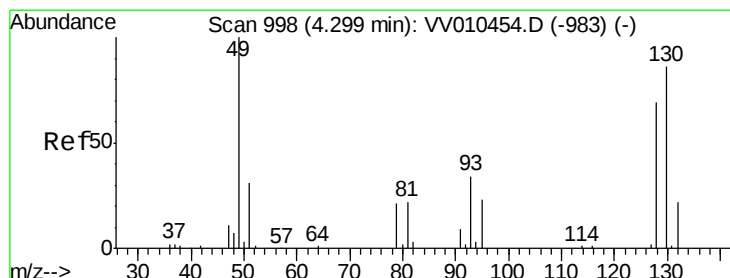
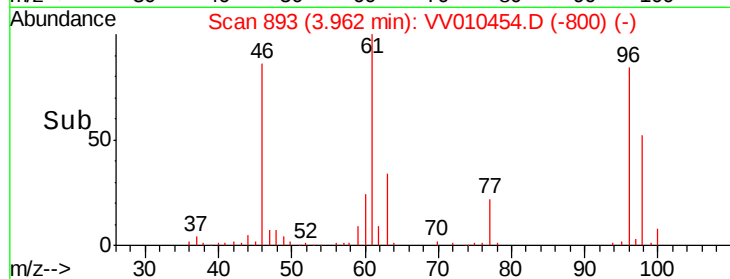
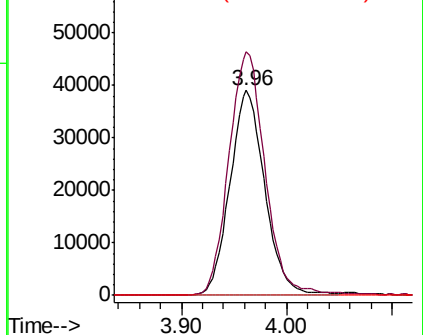
cis-1,2-Dichloroethene
 Concen: 4.913 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV010454.D
 Acq: 24 Apr 2019 11:26

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00535

Tgt Ion: 96 Resp: 89685
 Ion Ratio Lower Upper
 96 100
 61 118.9 83.2 154.6
 68 0.0 0.0 0.0



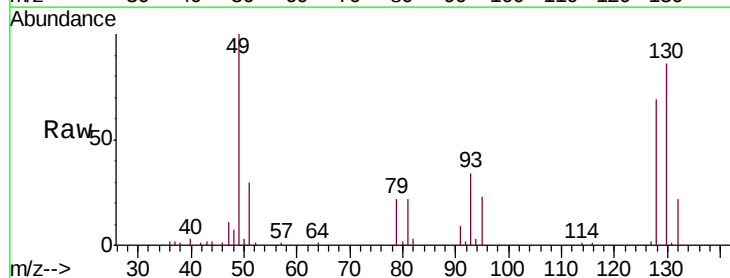
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



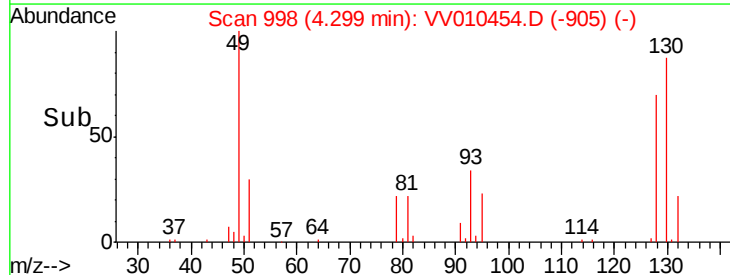
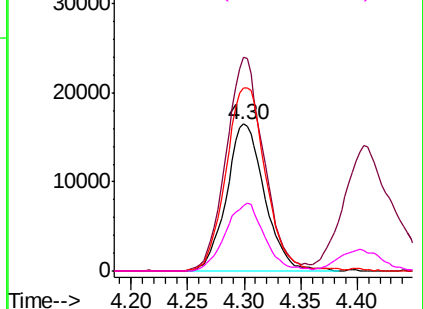
#23

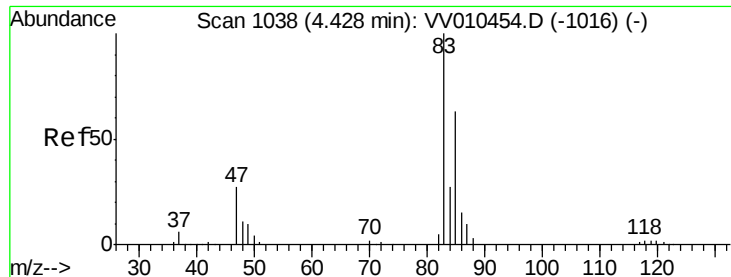
Bromochloromethane
 Concen: 4.729 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VV010454.D
 Acq: 24 Apr 2019 11:26

Tgt Ion: 128 Resp: 38666
 Ion Ratio Lower Upper
 128 100
 49 145.7 102.0 189.4
 130 125.1 87.6 162.6
 51 44.3 35.4 53.2



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

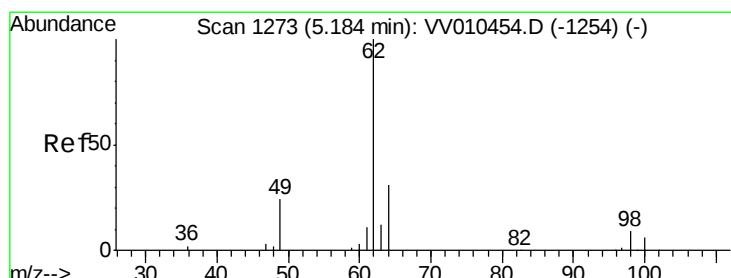
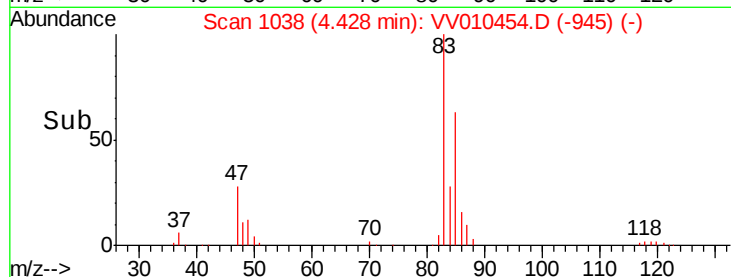
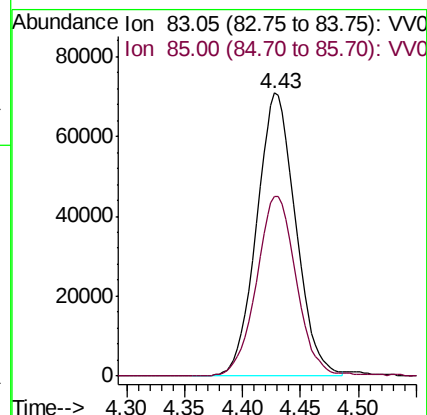
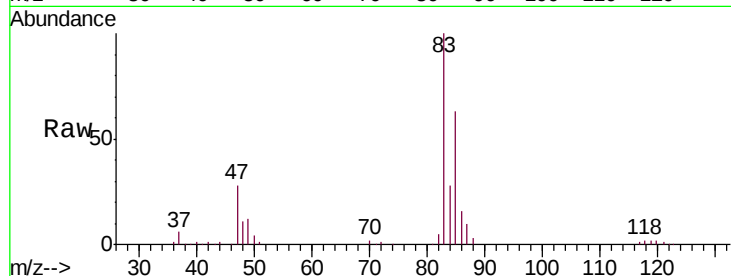




#25
Chloroform
Concen: 4.852 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV010454.D
Acq: 24 Apr 2019 11:26

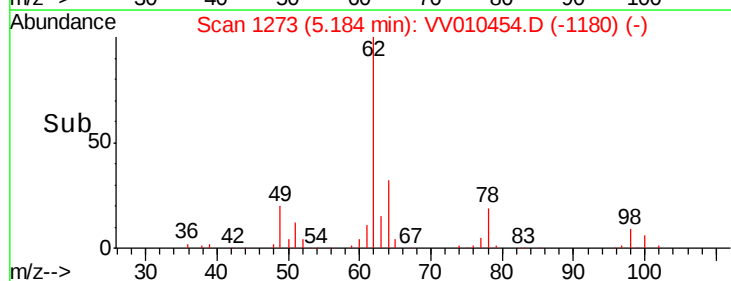
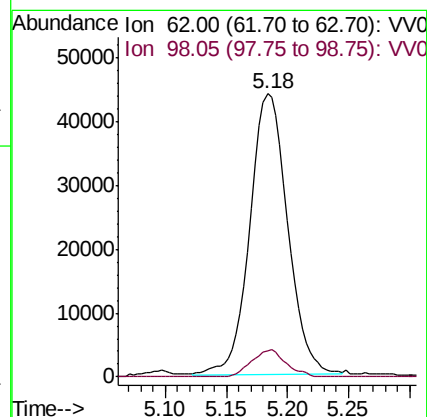
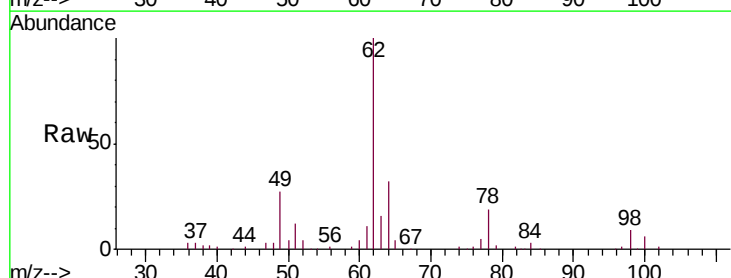
Instrument :
MSVOA_V
ClientSampleId :
VSTD00535

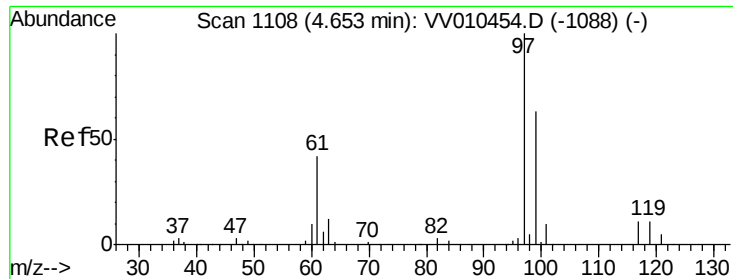
Tgt Ion: 83 Resp: 165774
Ion Ratio Lower Upper
83 100
85 63.3 44.3 82.3



#27
1,2-Dichloroethane
Concen: 4.956 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV010454.D
Acq: 24 Apr 2019 11:26

Tgt Ion: 62 Resp: 94135
Ion Ratio Lower Upper
62 100
98 9.4 7.5 11.3

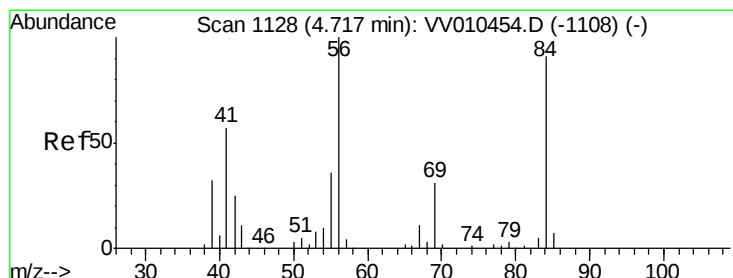
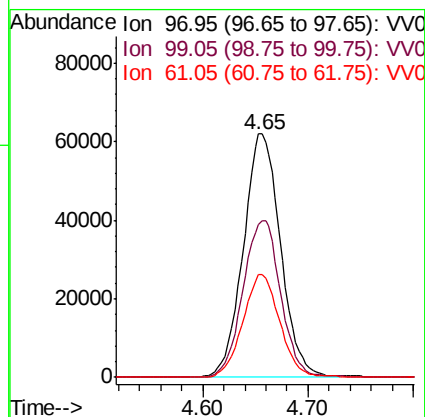
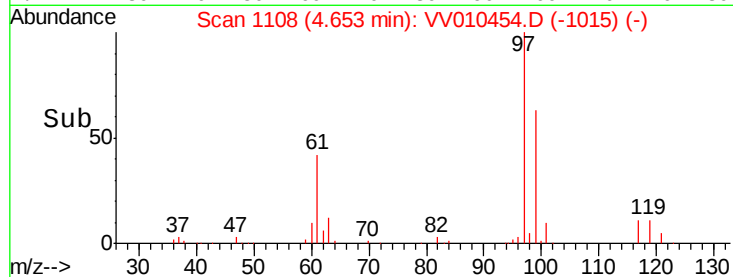
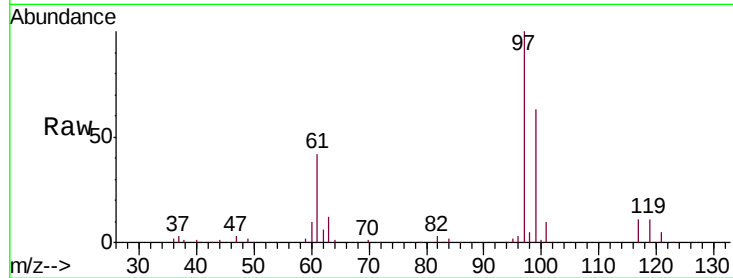




#29
 1,1,1-Trichloroethane
 Concen: 5.183 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. 0.00 min
 Lab File: VV010454.D
 Acq: 24 Apr 2019 11:26

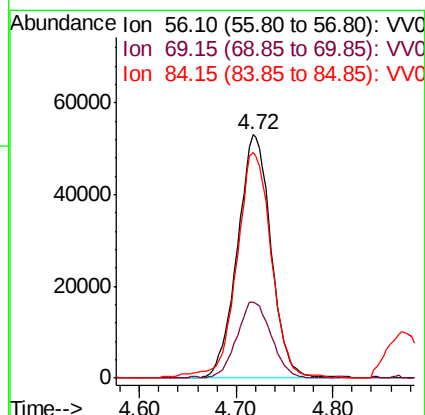
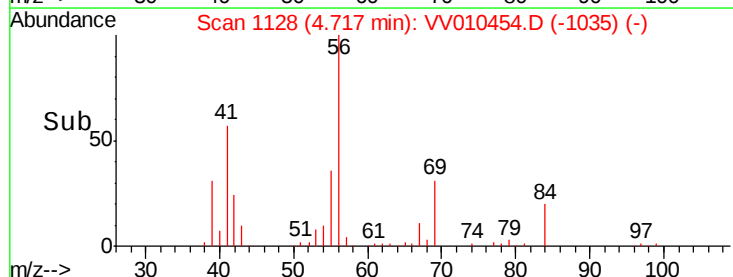
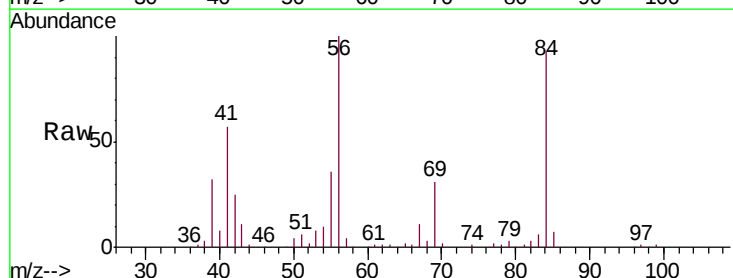
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00535

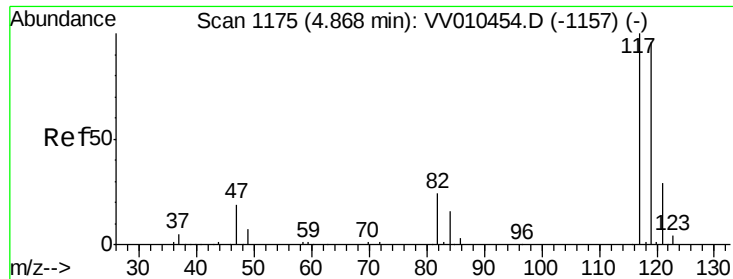
Tgt Ion: 97 Resp: 152365
 Ion Ratio Lower Upper
 97 100
 99 65.2 52.2 78.2
 61 42.1 33.7 50.5



#30
 Cyclohexane
 Concen: 5.171 ug/L
 RT: 4.72 min Scan# 1128
 Delta R.T. 0.00 min
 Lab File: VV010454.D
 Acq: 24 Apr 2019 11:26

Tgt Ion: 56 Resp: 127857
 Ion Ratio Lower Upper
 56 100
 69 31.9 25.5 38.3
 84 95.9 76.7 115.1





#31

Carbon tetrachloride

Concen: 5.223 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VV010454.D

Acq: 24 Apr 2019 11:26

Instrument :

MSVOA_V

ClientSampleId :

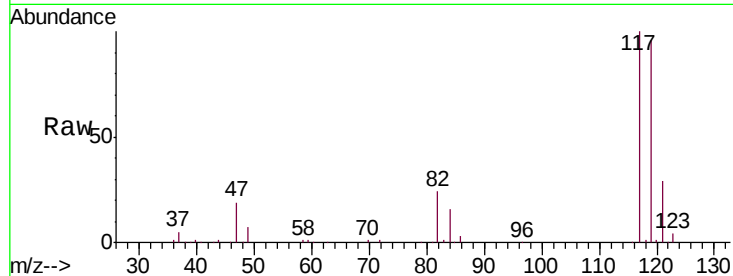
VSTD00535

Tgt Ion:117 Resp: 144092

Ion Ratio Lower Upper

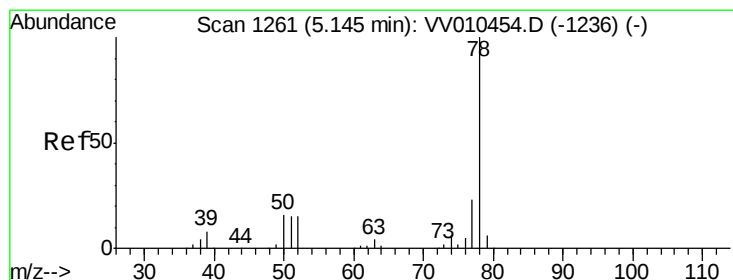
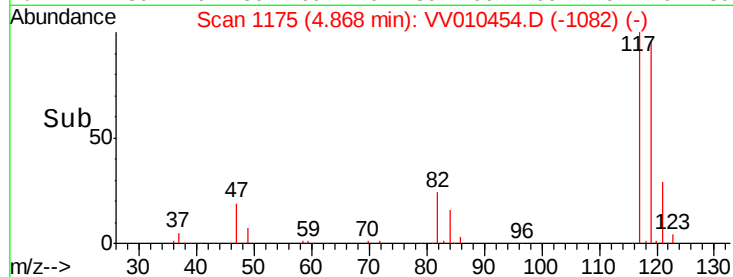
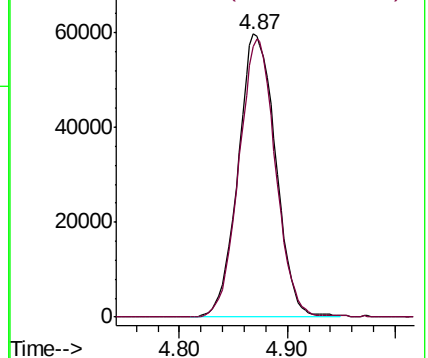
117 100

119 95.6 76.5 114.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.991 ug/L

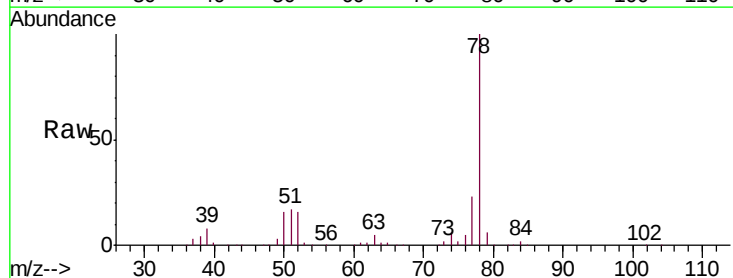
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

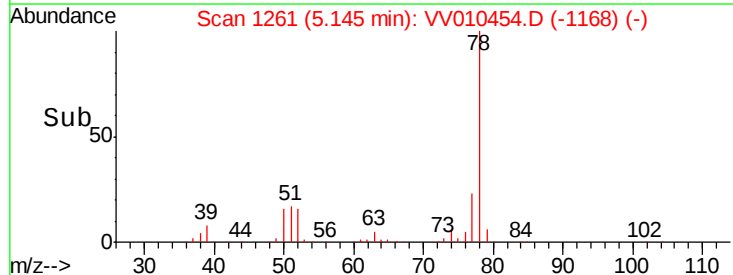
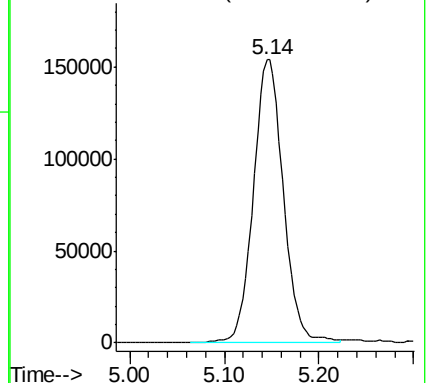
Lab File: VV010454.D

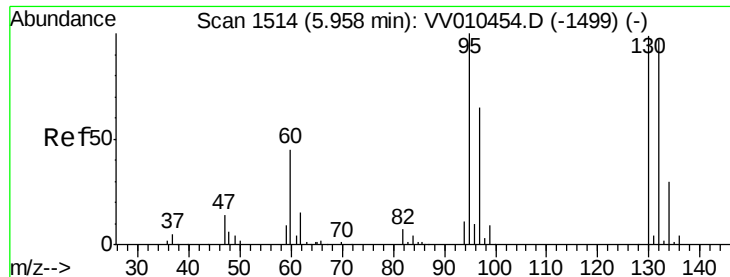
Acq: 24 Apr 2019 11:26

Tgt Ion: 78 Resp: 338235



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.905 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV010454.D

Acq: 24 Apr 2019 11:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD00535

Tgt Ion: 95 Resp: 96791

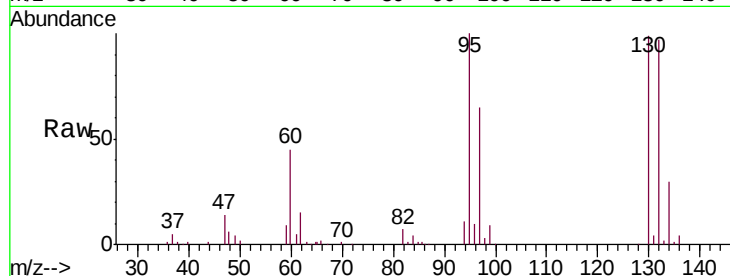
Ion Ratio Lower Upper

95 100

97 65.1 45.6 84.6

132 96.9 67.8 126.0

130 98.6 69.0 128.2

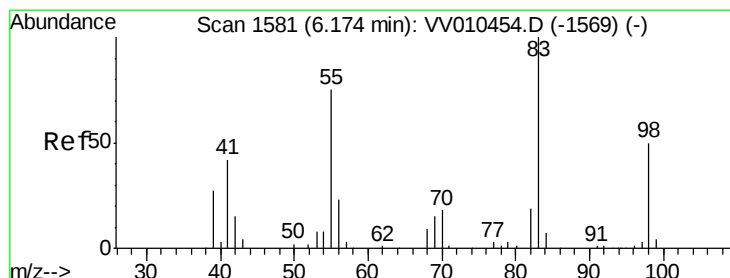
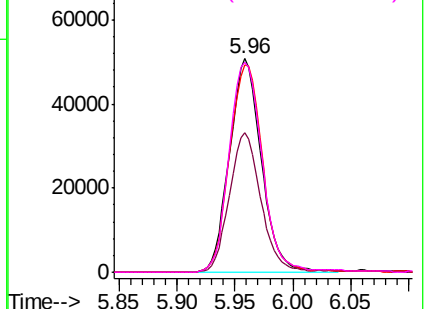
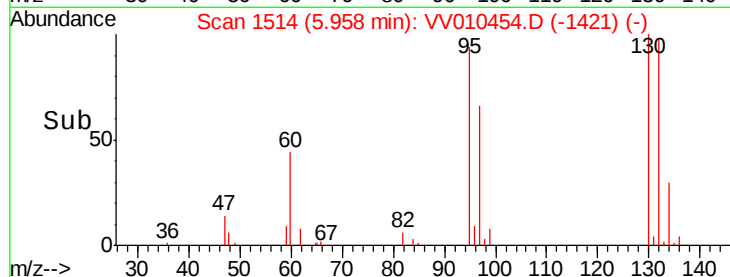


Abundance Ion 95.00 (94.70 to 95.70): VV010454.D (-1499) (-)

Ion 96.95 (96.65 to 97.65): VV010454.D (-1499) (-)

Ion 131.95 (131.65 to 132.65): VV010454.D (-1499) (-)

Ion 129.95 (129.65 to 130.65): VV010454.D (-1499) (-)



#35

Methylcyclohexane

Concen: 5.147 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV010454.D

Acq: 24 Apr 2019 11:26

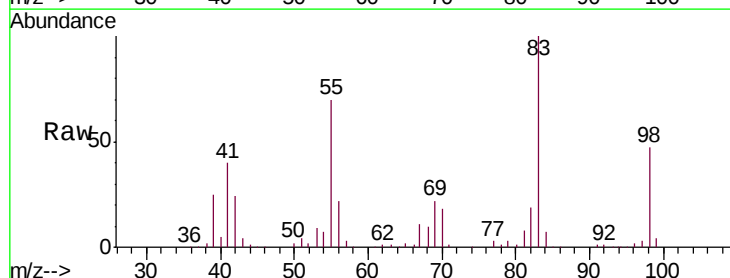
Tgt Ion: 83 Resp: 150495

Ion Ratio Lower Upper

83 100

55 72.2 57.8 86.6

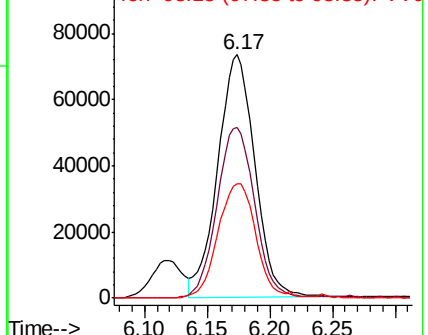
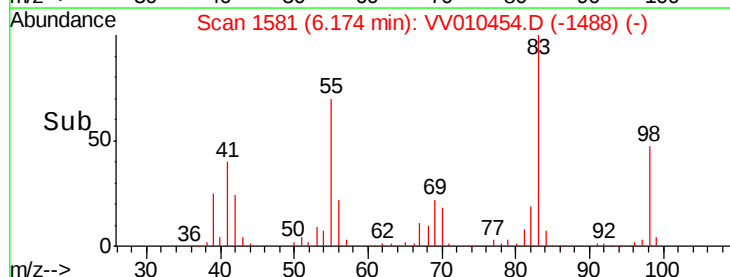
98 48.5 38.8 58.2

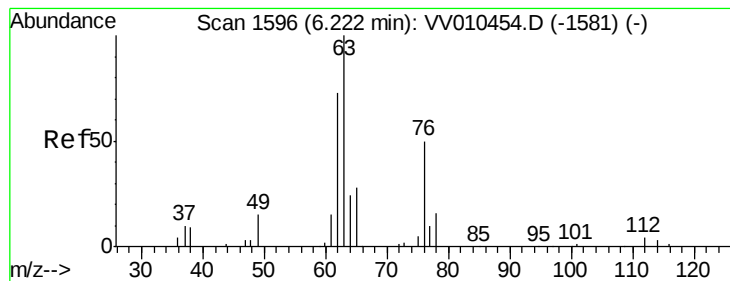


Abundance Ion 83.15 (82.85 to 83.85): VV010454.D (-1569) (-)

Ion 55.10 (54.80 to 55.80): VV010454.D (-1569) (-)

Ion 98.15 (97.85 to 98.85): VV010454.D (-1569) (-)





#37

1,2-Dichloropropane

Concen: 5.013 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VV010454.D

Acq: 24 Apr 2019 11:26

Instrument :

MSVOA_V

ClientSampleId :

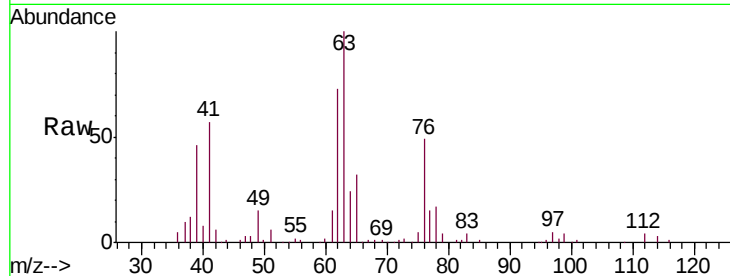
VSTD00535

Tgt Ion: 63 Resp: 78574

Ion Ratio Lower Upper

63 100

112 4.7 3.8 5.6



Abundance Ion 63.10 (62.80 to 63.80): VV010454.D (-1581) (-)

Ion 112.10 (111.80 to 112.80): VV010454.D (-1581) (-)

6.22

40000

30000

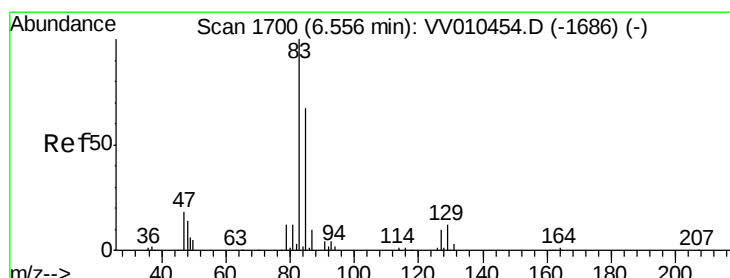
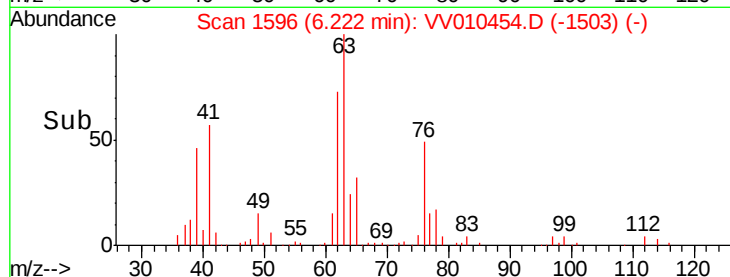
20000

10000

0

6.15 6.20 6.25 6.30

Time-->



#38

Bromodichloromethane

Concen: 5.209 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VV010454.D

Acq: 24 Apr 2019 11:26

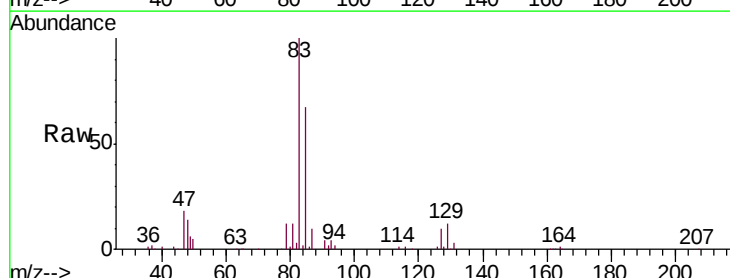
Tgt Ion: 83 Resp: 109419

Ion Ratio Lower Upper

83 100

85 66.6 46.6 86.6

127 9.8 7.8 11.8



Abundance Ion 82.95 (82.65 to 83.65): VV010454.D (-1686) (-)

Ion 85.00 (84.70 to 85.70): VV010454.D (-1686) (-)

Ion 126.90 (126.60 to 127.60): VV010454.D (-1686) (-)

6.56

80000

60000

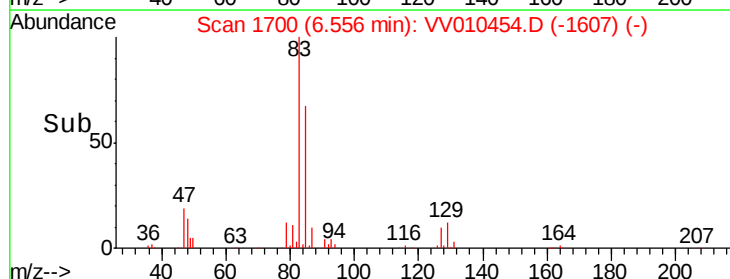
40000

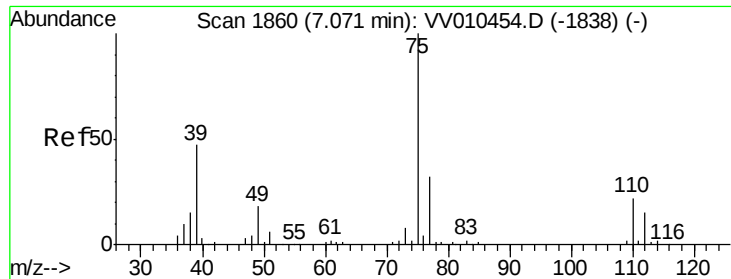
20000

0

6.50 6.55 6.60

Time-->



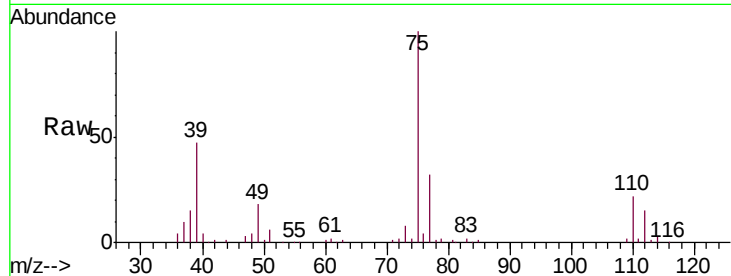


#39

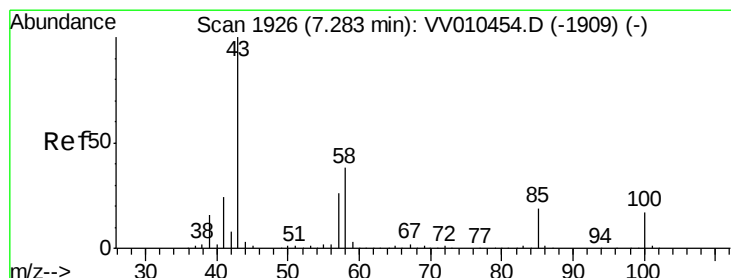
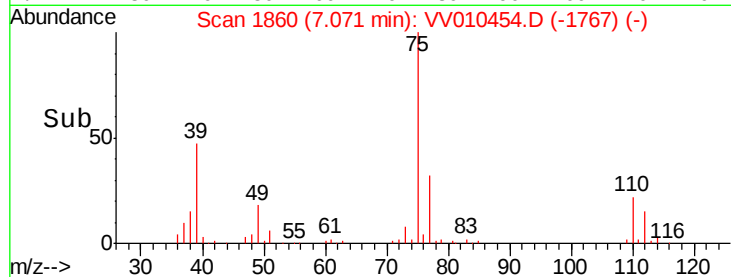
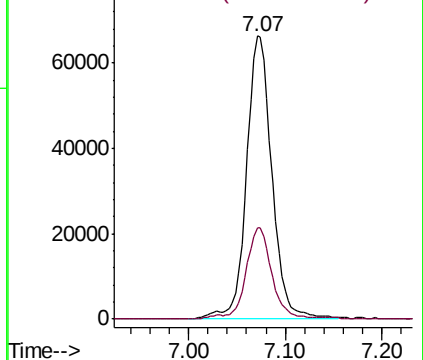
cis-1,3-Dichloropropene
Concen: 5.514 ug/L
RT: 7.07 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VV010454.D
Acq: 24 Apr 2019 11:26

Instrument :
MSVOA_V
ClientSampleId :
VSTD00535

Tgt Ion: 75 Resp: 121411
Ion Ratio Lower Upper
75 100
77 32.1 22.5 41.7



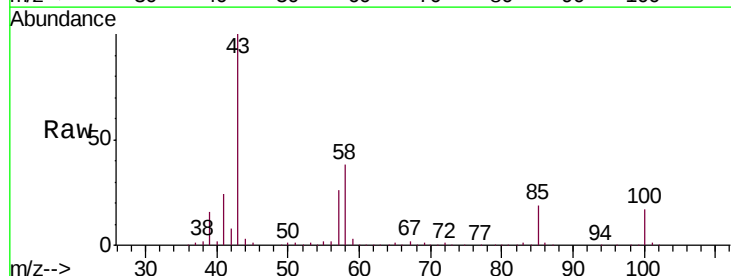
Abundance Ion 75.05 (74.75 to 75.75): VV0
Ion 77.05 (76.75 to 77.75): VV0



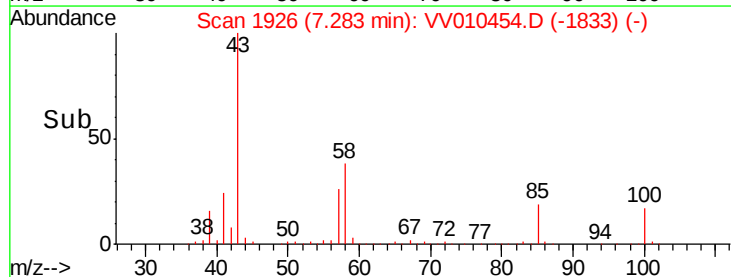
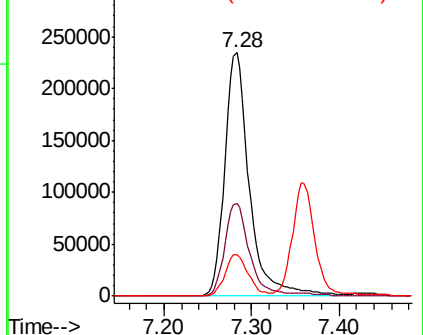
#40

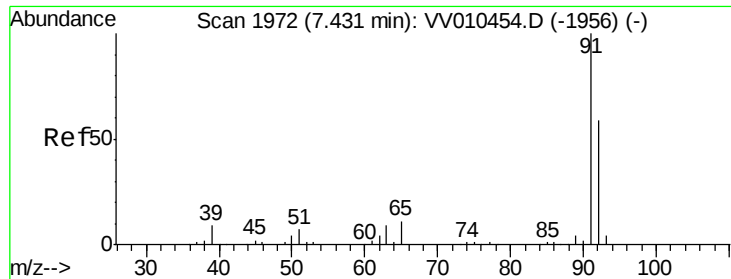
4-Methyl-2-pentanone
Concen: 53.426 ug/L
RT: 7.28 min Scan# 1926
Delta R.T. 0.00 min
Lab File: VV010454.D
Acq: 24 Apr 2019 11:26

Tgt Ion: 43 Resp: 459107
Ion Ratio Lower Upper
43 100
58 37.9 30.3 45.5
100 16.2 13.0 19.4



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





#42

Toluene

Concen: 5.040 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV010454.D

Acq: 24 Apr 2019 11:26

Instrument :

MSVOA_V

ClientSampleId :

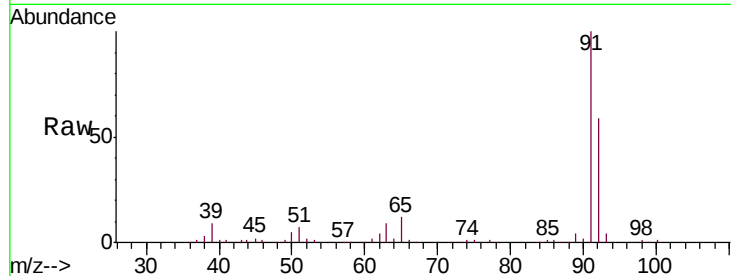
VSTD00535

Tgt Ion: 91 Resp: 380696

Ion Ratio Lower Upper

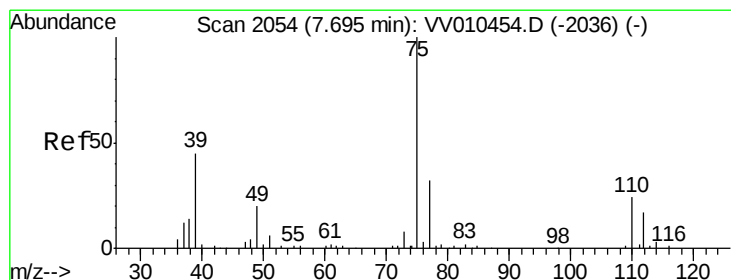
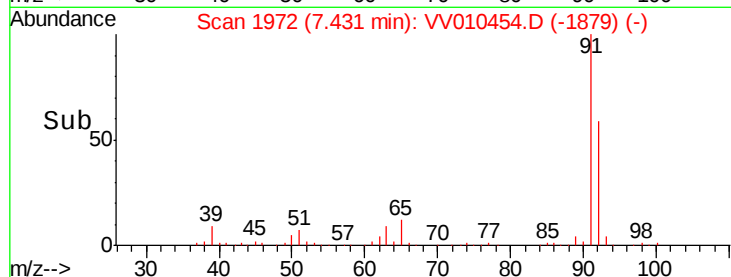
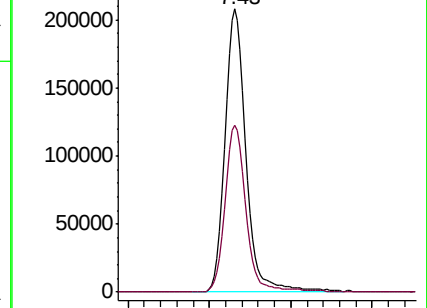
91 100

92 59.0 41.3 76.7



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 5.490 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV010454.D

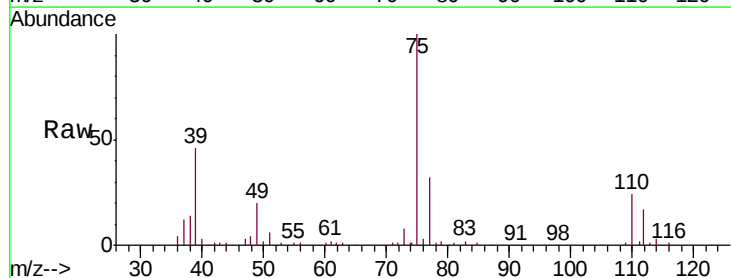
Acq: 24 Apr 2019 11:26

Tgt Ion: 75 Resp: 93684

Ion Ratio Lower Upper

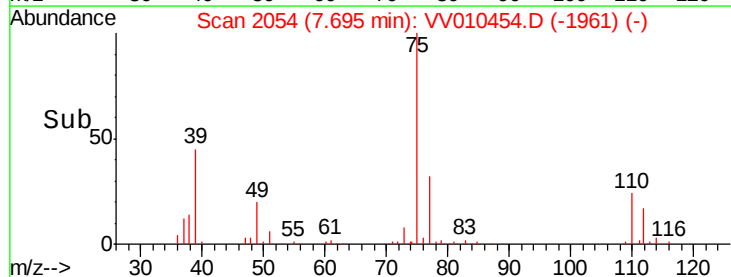
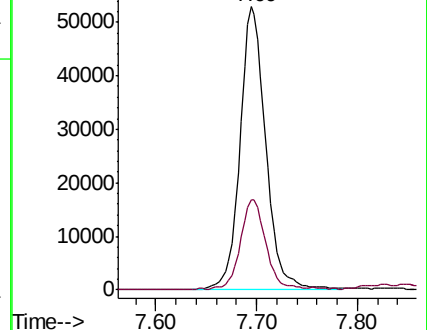
75 100

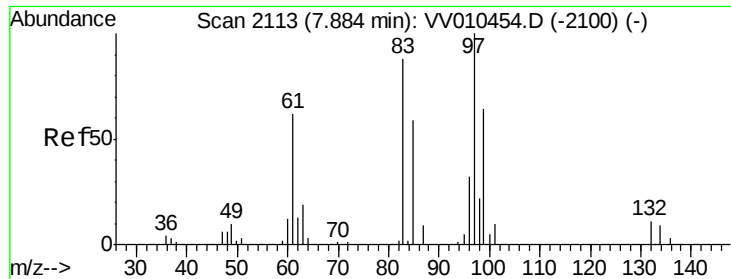
77 31.6 22.1 41.1



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

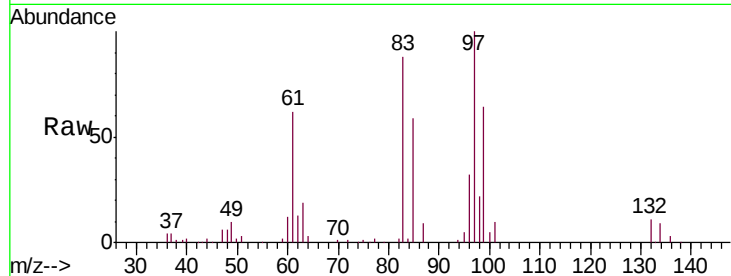




#45
 1,1,2-Trichloroethane
 Concen: 4.792 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV010454.D
 Acq: 24 Apr 2019 11:26

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00535

Tgt Ion:	97	Resp:	59416
Ion	Ratio	Lower	Upper
97	100		
99	64.4	45.1	83.7
83	88.2	61.7	114.7
85	58.8	41.2	76.4



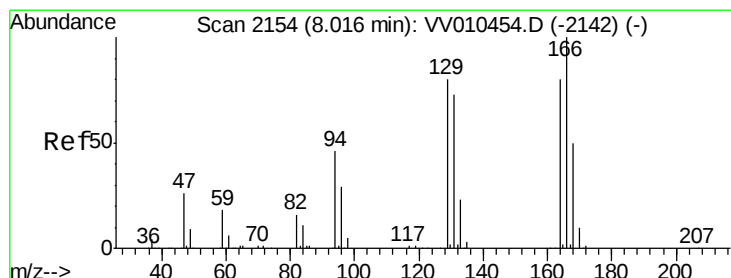
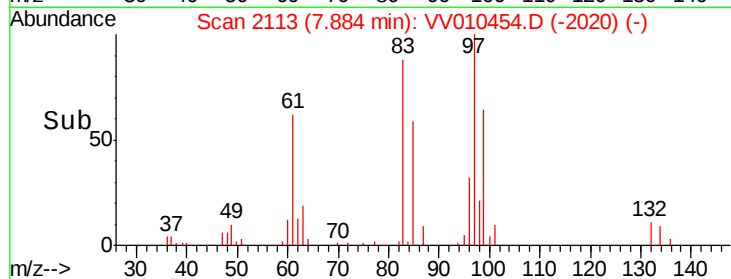
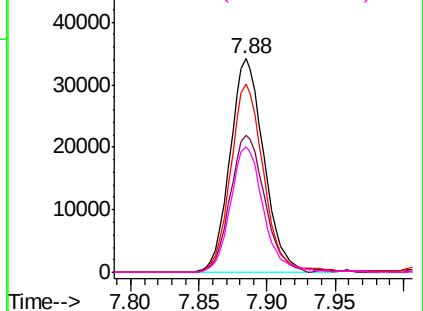
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

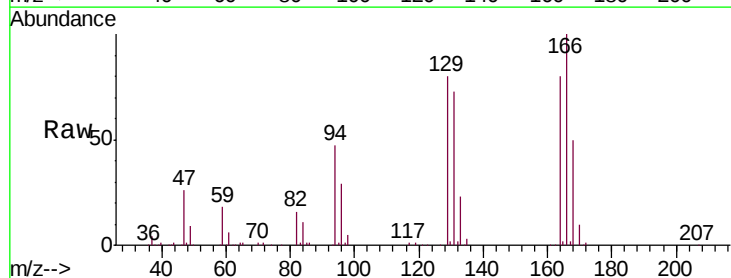
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
 Tetrachloroethene
 Concen: 4.907 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV010454.D
 Acq: 24 Apr 2019 11:26

Tgt Ion:	164	Resp:	84475
Ion	Ratio	Lower	Upper
164	100		
129	99.5	69.7	129.4
131	91.2	63.8	118.6
166	124.8	87.4	162.2



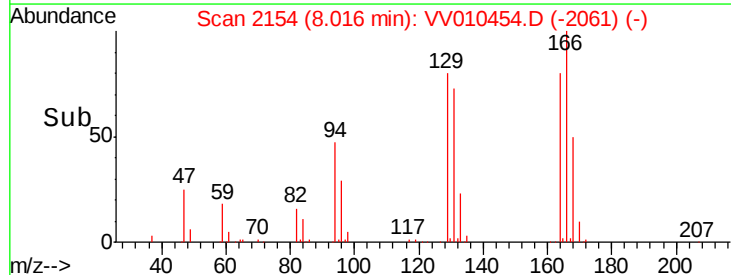
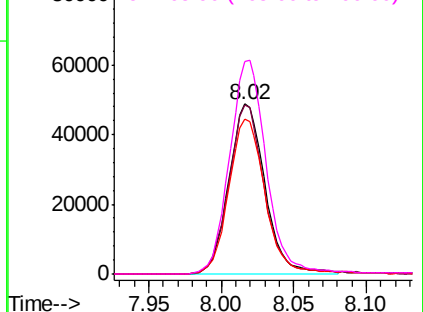
Abundance

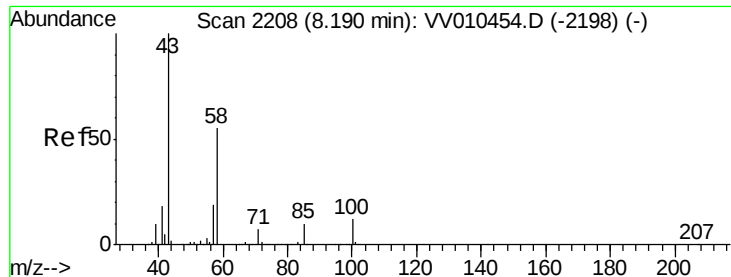
Ion 163.90 (163.60 to 164.60): V

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

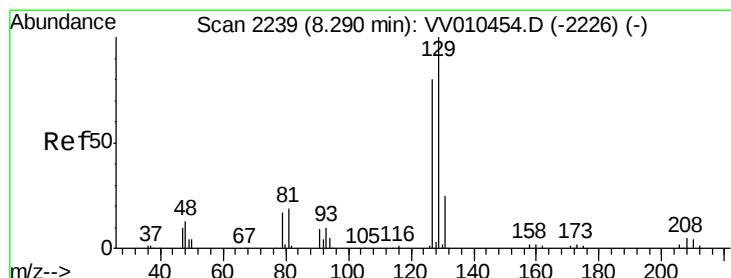
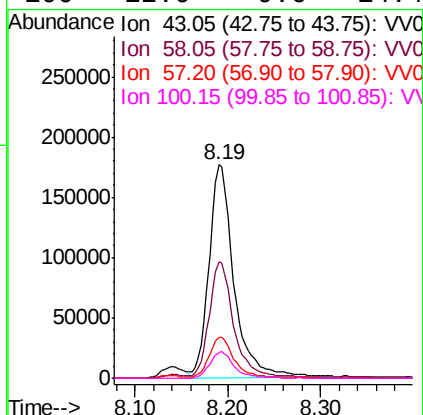
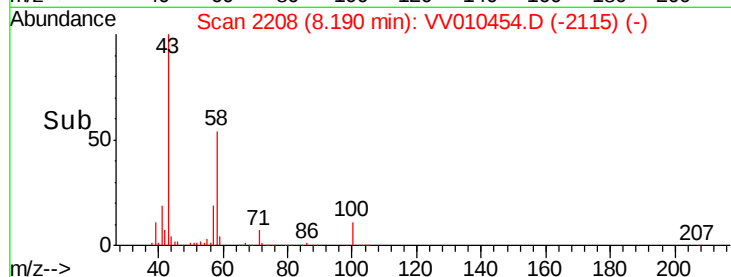
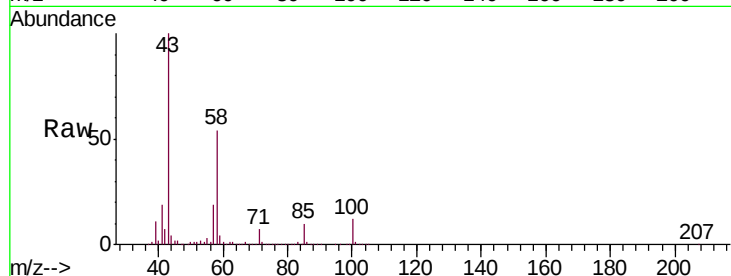




#48
2-Hexanone
Concen: 56.877 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV010454.D
Acq: 24 Apr 2019 11:26

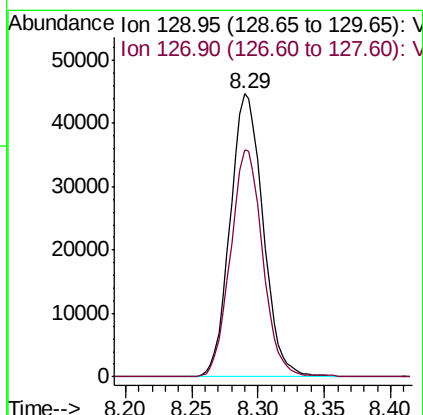
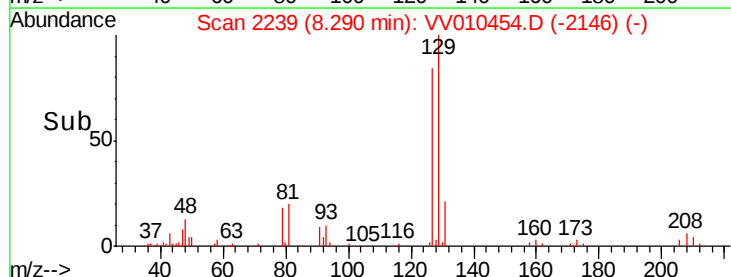
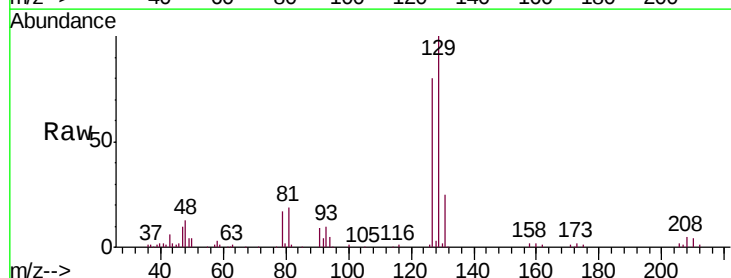
Instrument :
MSVOA_V
ClientSampleId :
VSTD00535

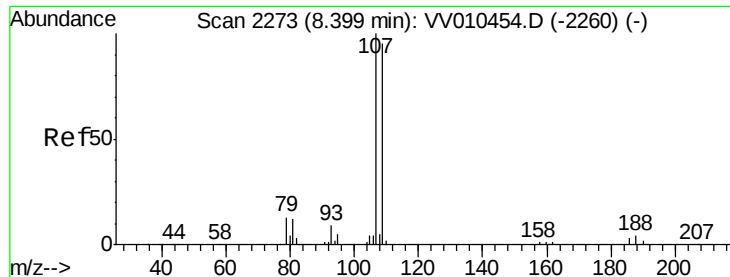
Tgt Ion: 43 Resp: 328738
Ion Ratio Lower Upper
43 100
58 52.8 42.2 63.4
57 19.1 15.3 22.9
100 12.0 9.6 14.4



#49
Dibromochloromethane
Concen: 5.177 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV010454.D
Acq: 24 Apr 2019 11:26

Tgt Ion: 129 Resp: 77160
Ion Ratio Lower Upper
129 100
127 80.1 56.1 104.1

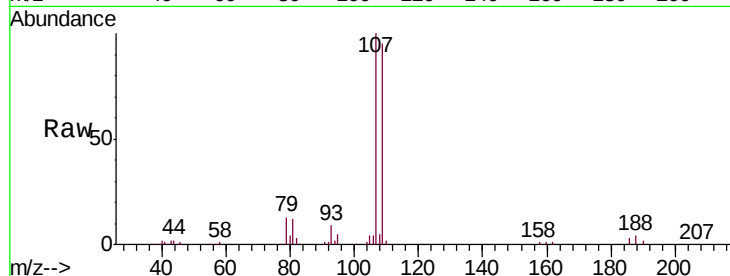




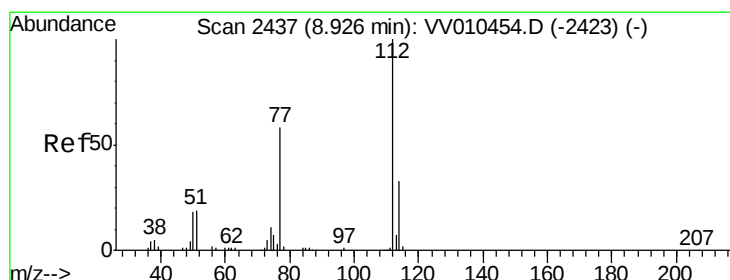
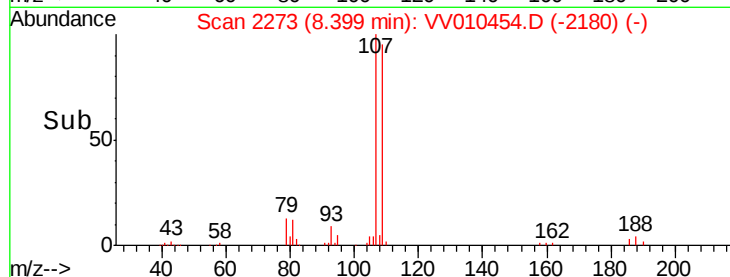
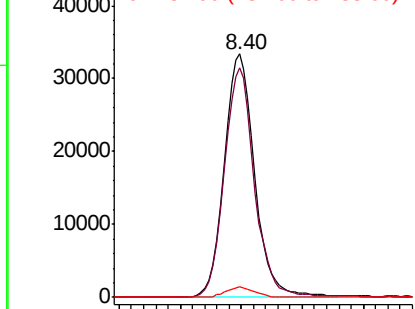
#50
1,2-Dibromoethane
Concen: 5.169 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV010454.D
Acq: 24 Apr 2019 11:26

Instrument :
MSVOA_V
ClientSampleId :
VSTD00535

Tgt Ion:107 Resp: 58286
Ion Ratio Lower Upper
107 100
109 94.5 66.1 122.8
188 4.2 3.4 5.0

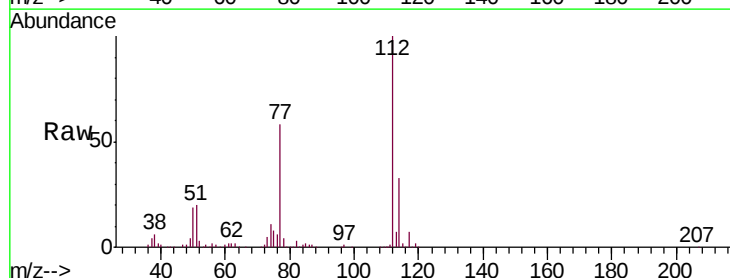


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

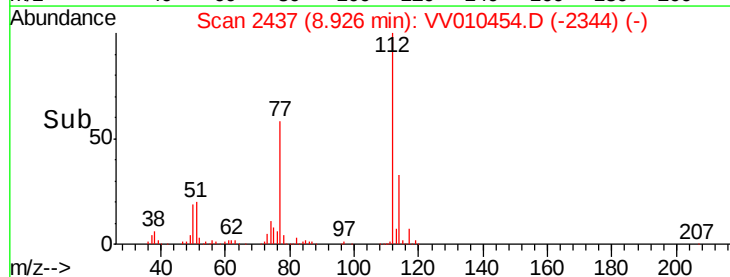
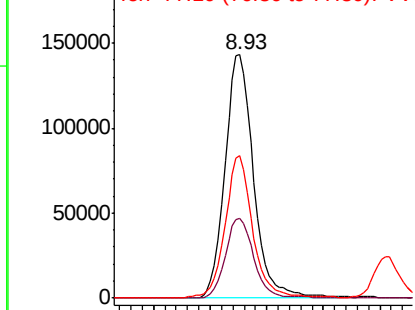


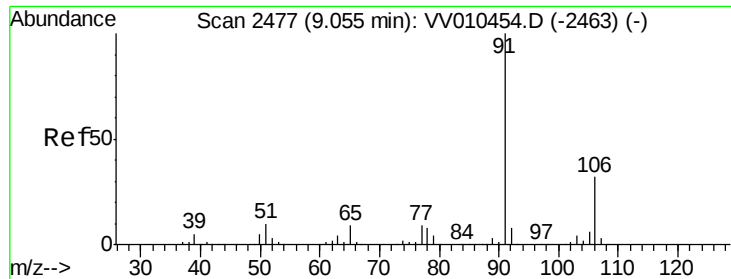
#51
Chlorobenzene
Concen: 4.924 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV010454.D
Acq: 24 Apr 2019 11:26

Tgt Ion:112 Resp: 252087
Ion Ratio Lower Upper
112 100
114 32.8 23.0 42.6
77 58.5 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): V





#52

Ethylbenzene

Concen: 5.197 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV010454.D

Acq: 24 Apr 2019 11:26

Instrument :

MSVOA_V

ClientSampleId :

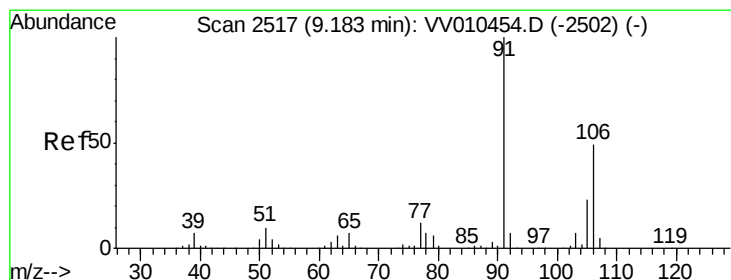
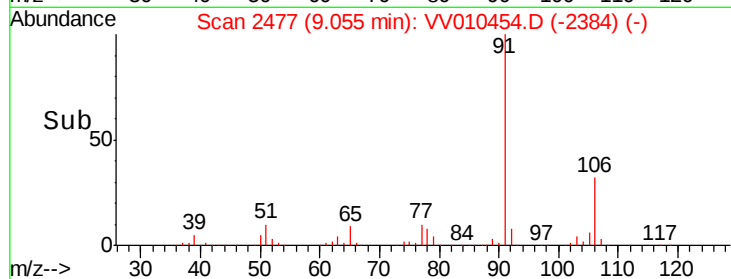
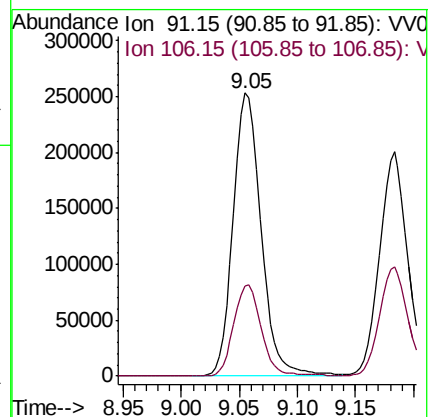
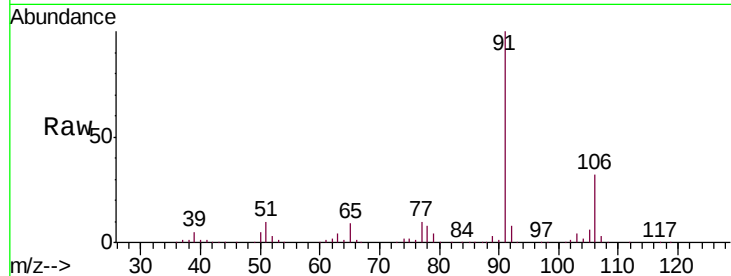
VSTD00535

Tgt Ion: 91 Resp: 424956

Ion Ratio Lower Upper

91 100

106 32.0 22.4 41.6



#53

m,p-xylene

Concen: 5.393 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV010454.D

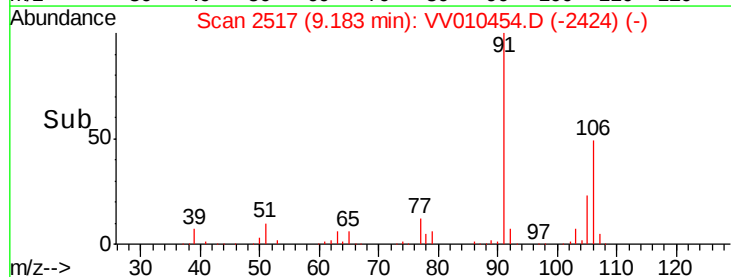
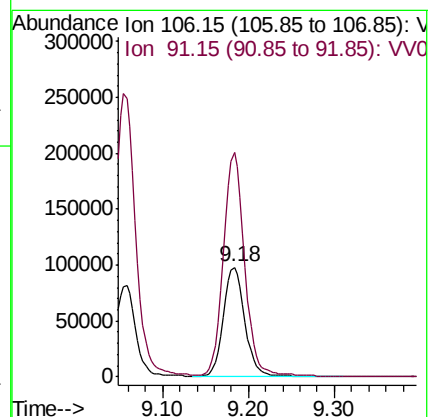
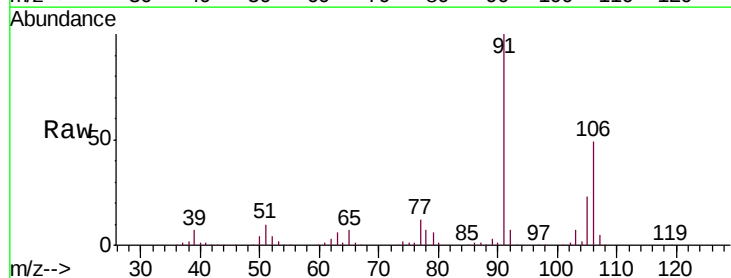
Acq: 24 Apr 2019 11:26

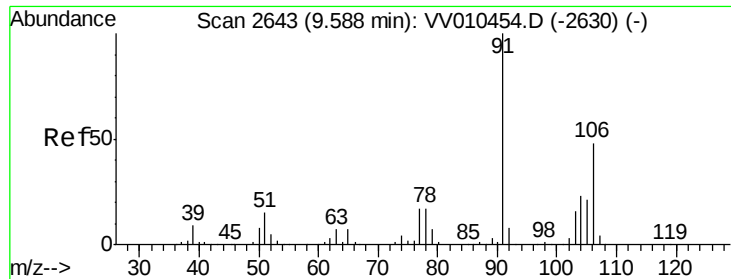
Tgt Ion: 106 Resp: 172030

Ion Ratio Lower Upper

106 100

91 204.1 142.9 265.3





#54

o-xylene

Concen: 5.297 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV010454.D

Acq: 24 Apr 2019 11:26

Instrument :

MSVOA_V

ClientSampleId :

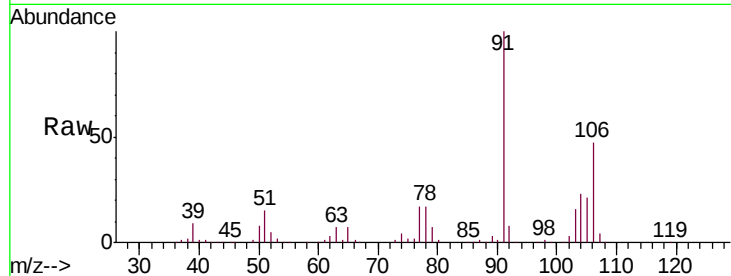
VSTD00535

Tgt Ion:106 Resp: 163301

Ion Ratio Lower Upper

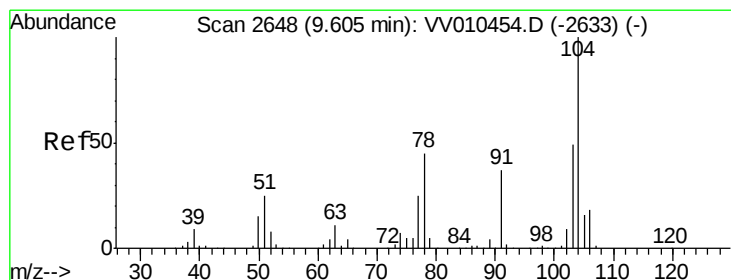
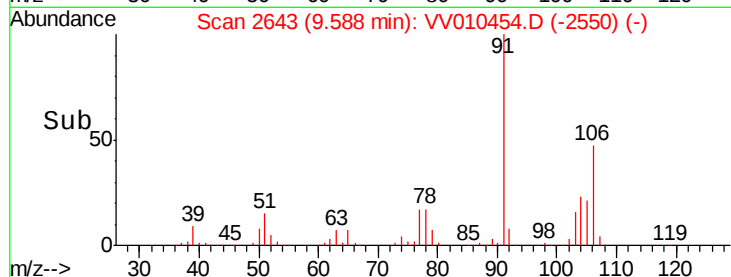
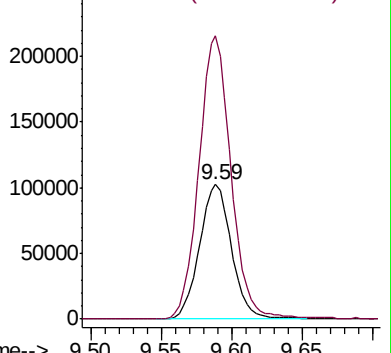
106 100

91 210.7 147.5 273.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.457 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV010454.D

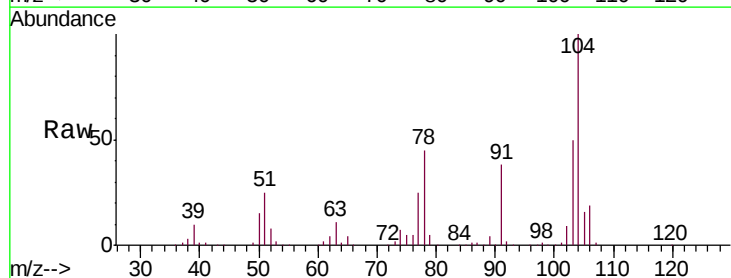
Acq: 24 Apr 2019 11:26

Tgt Ion:104 Resp: 271474

Ion Ratio Lower Upper

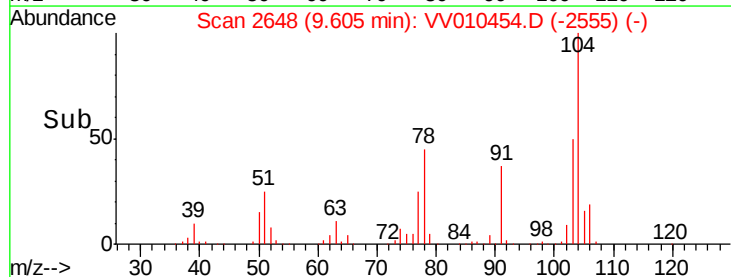
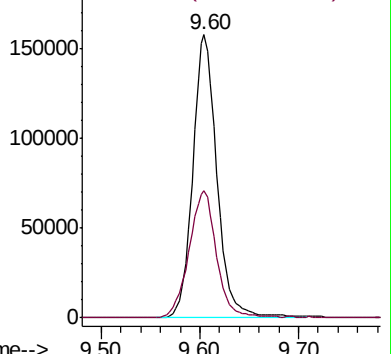
104 100

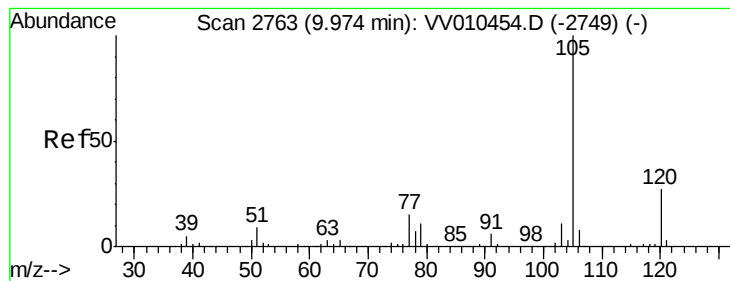
78 44.9 31.4 58.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.446 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV010454.D

Acq: 24 Apr 2019 11:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD00535

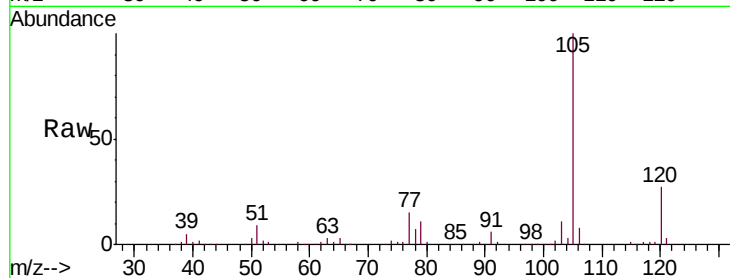
Tgt Ion: 105 Resp: 446928

Ion Ratio Lower Upper

105 100

120 27.4 21.9 32.9

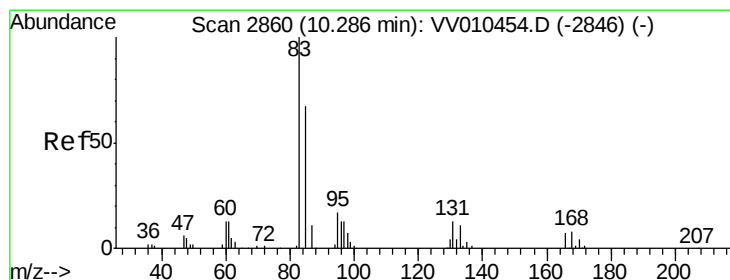
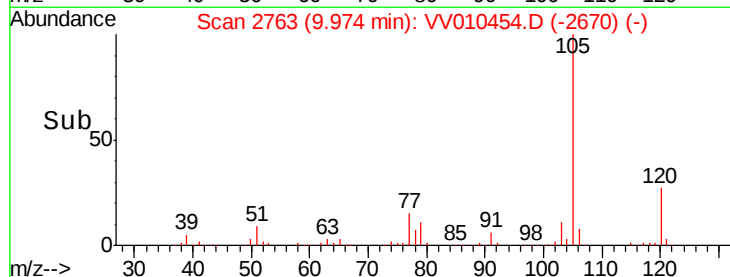
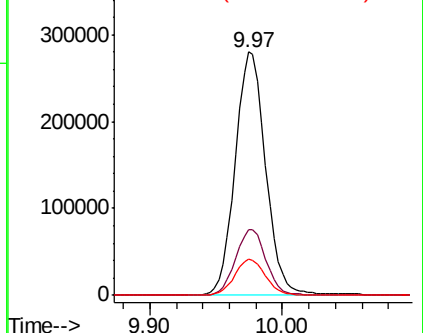
77 14.9 11.9 17.9



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: 5.093 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV010454.D

Acq: 24 Apr 2019 11:26

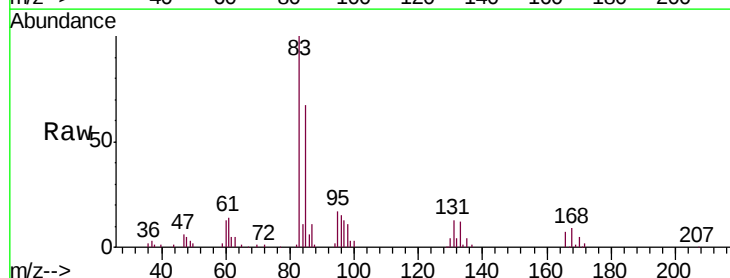
Tgt Ion: 83 Resp: 68730

Ion Ratio Lower Upper

83 100

85 67.0 46.9 87.1

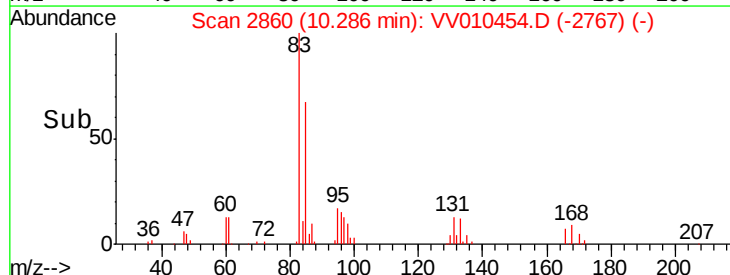
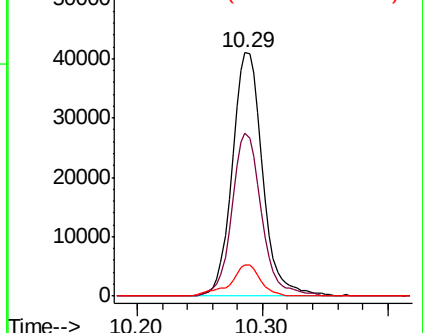
131 12.9 10.3 15.5

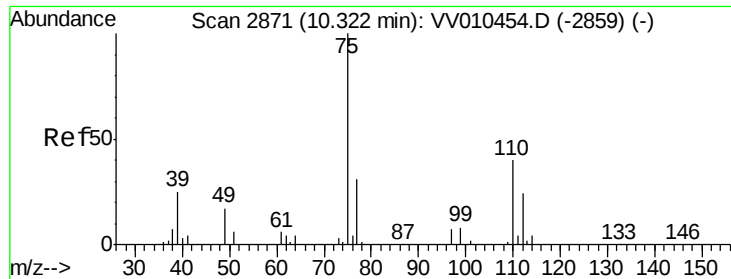


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.280 ug/L

RT: 10.32 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VV010454.D

Acq: 24 Apr 2019 11:26

Instrument :

MSVOA_V

ClientSampleId :

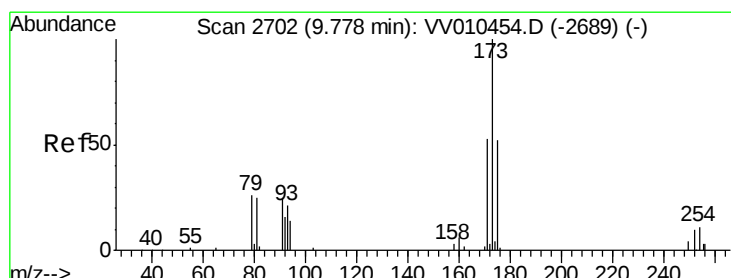
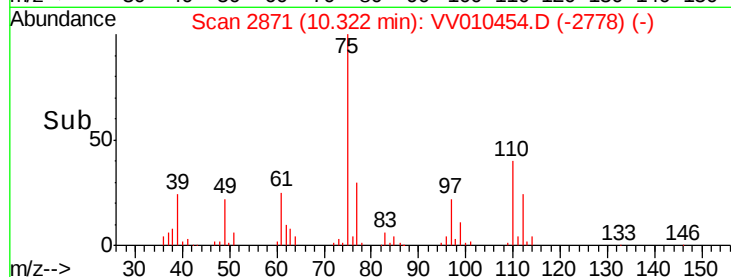
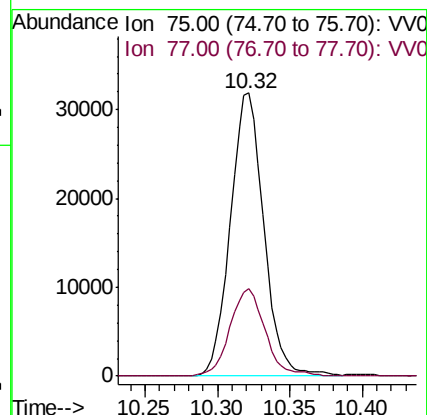
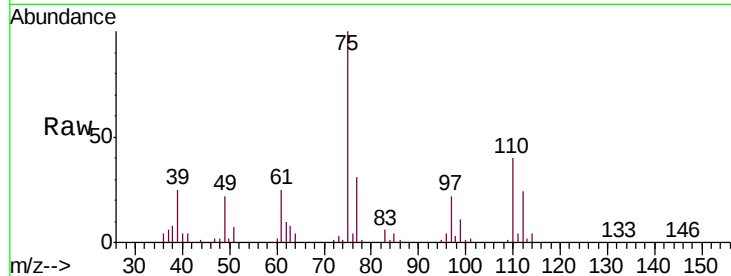
VSTD00535

Tgt Ion: 75 Resp: 50956

Ion Ratio Lower Upper

75 100

77 32.4 25.9 38.9



#61

Bromoform

Concen: 4.842 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VV010454.D

Acq: 24 Apr 2019 11:26

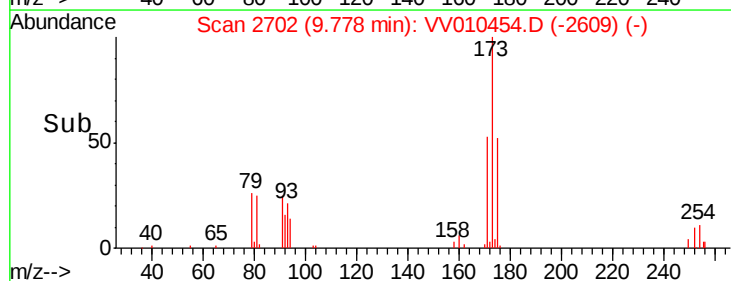
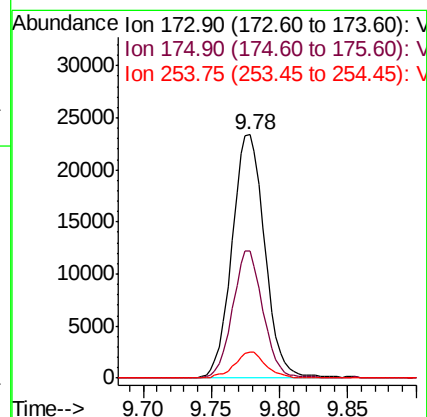
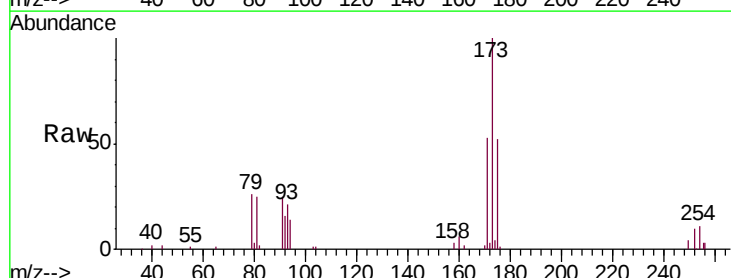
Tgt Ion: 173 Resp: 39083

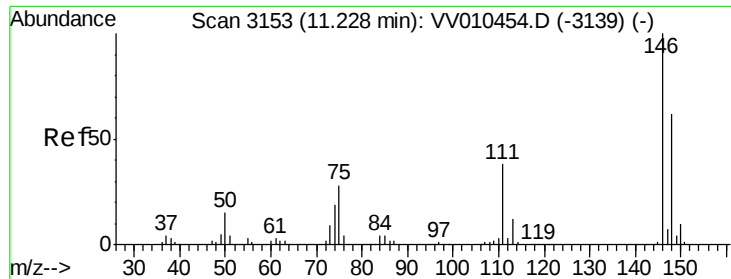
Ion Ratio Lower Upper

173 100

175 48.6 38.9 58.3

254 10.1 8.1 12.1





#62

1,3-Dichlorobenzene

Concen: 5.010 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.00 min

Lab File: VV010454.D

Acq: 24 Apr 2019 11:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD00535

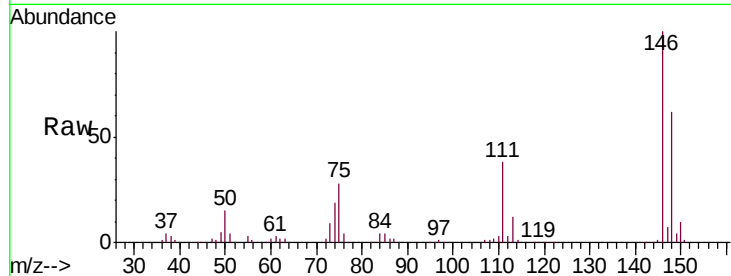
Tgt Ion:146 Resp: 210513

Ion Ratio Lower Upper

146 100

111 37.6 26.3 48.9

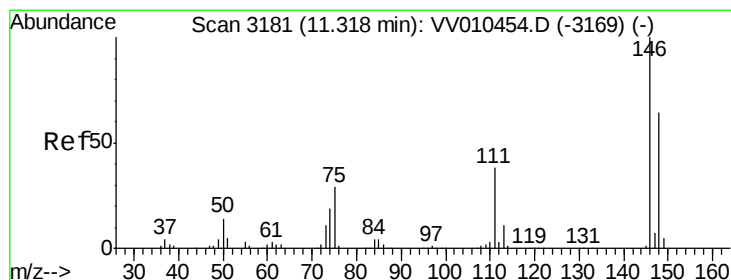
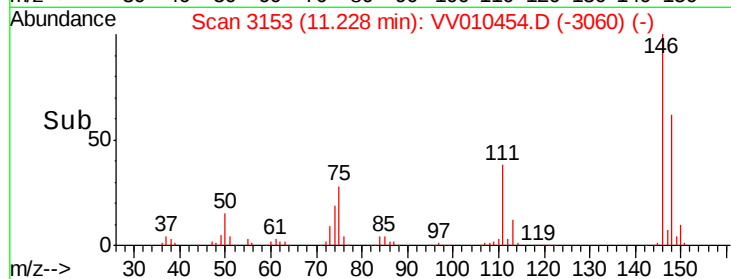
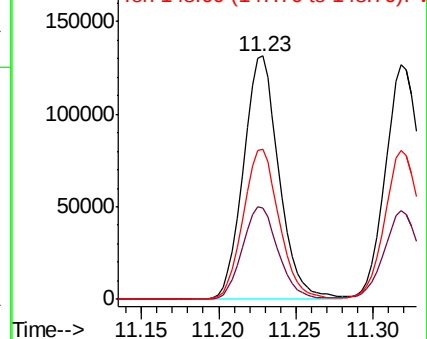
148 61.8 43.3 80.3



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: 4.959 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. 0.00 min

Lab File: VV010454.D

Acq: 24 Apr 2019 11:26

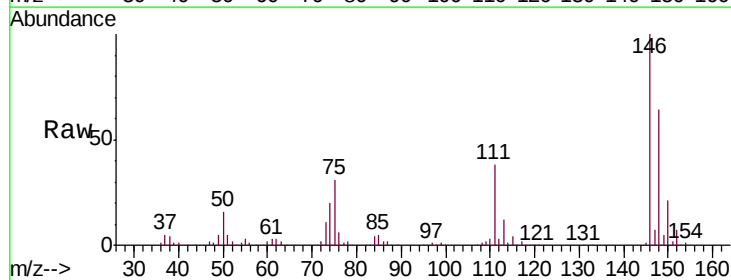
Tgt Ion:146 Resp: 209934

Ion Ratio Lower Upper

146 100

111 38.0 26.6 49.4

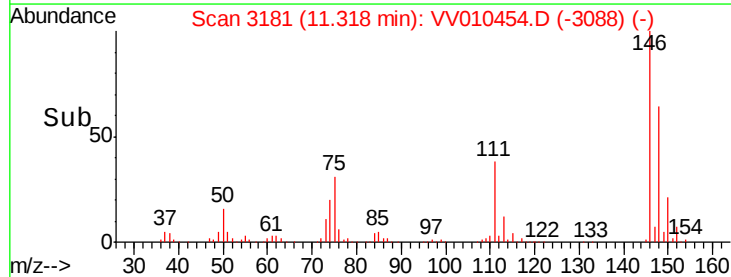
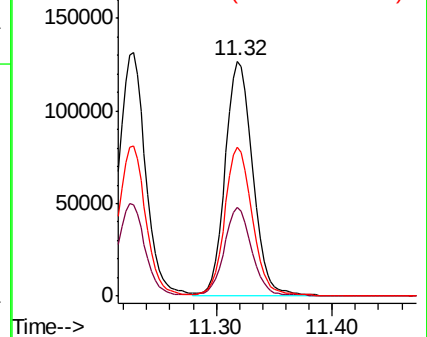
148 63.6 44.5 82.7

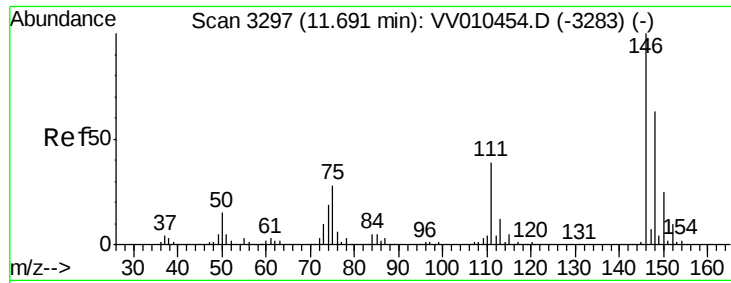


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.036 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV010454.D

Acq: 24 Apr 2019 11:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD00535

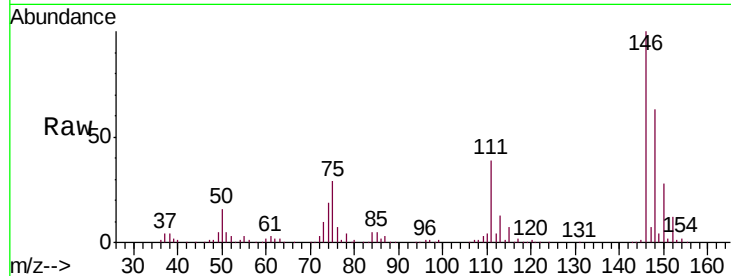
Tgt Ion:146 Resp: 198766

Ion Ratio Lower Upper

146 100

111 39.5 31.6 47.4

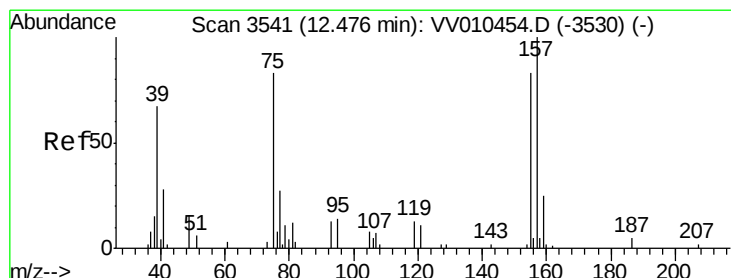
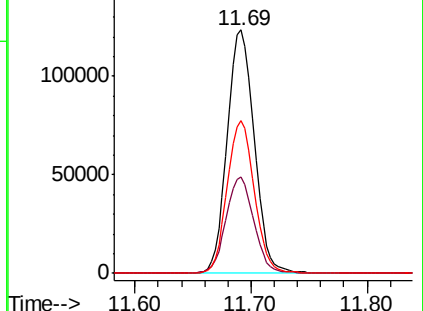
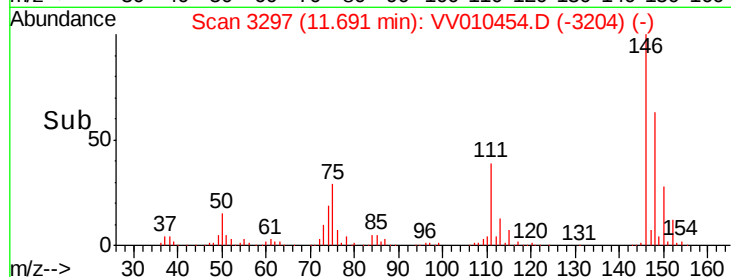
148 62.8 50.2 75.4



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: 5.167 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV010454.D

Acq: 24 Apr 2019 11:26

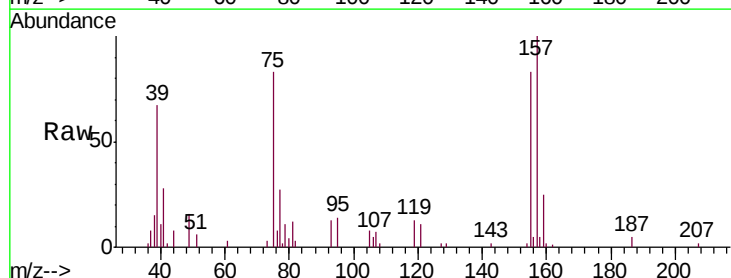
Tgt Ion: 75 Resp: 9681

Ion Ratio Lower Upper

75 100

155 100.4 80.3 120.5

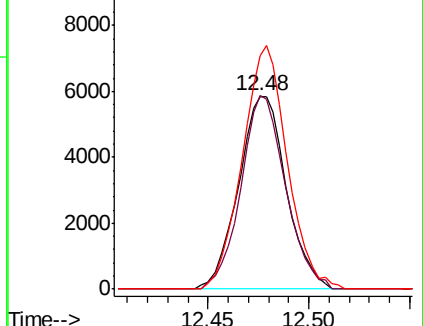
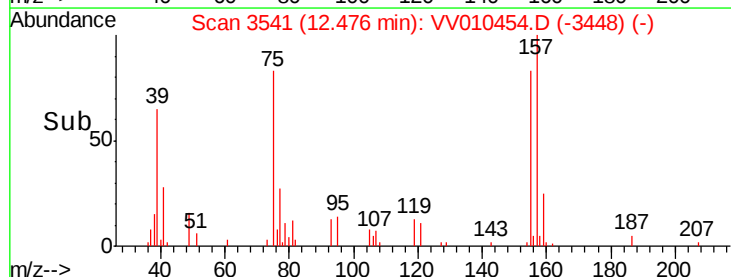
157 120.9 96.7 145.1

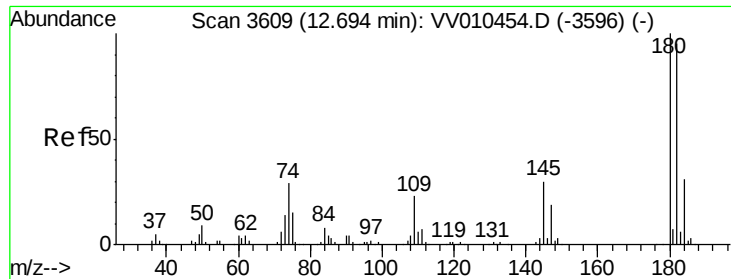


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

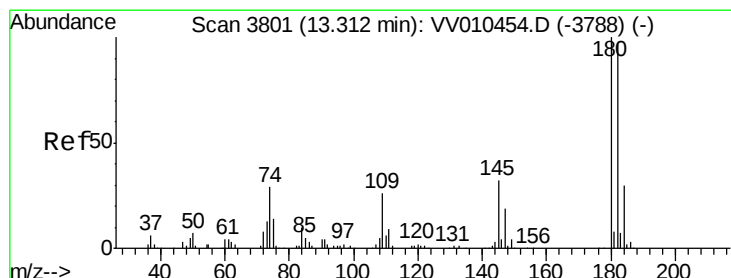
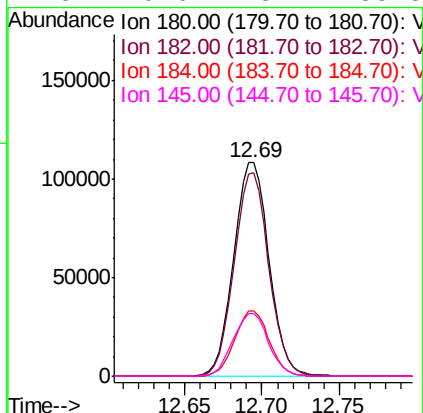
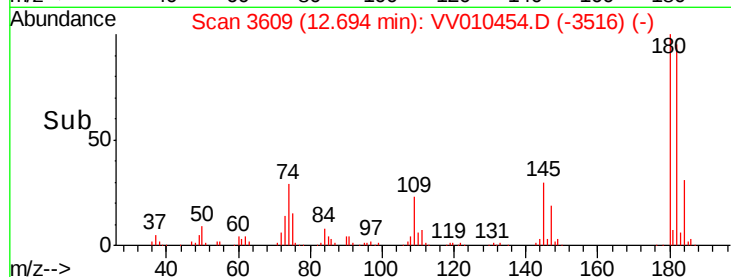
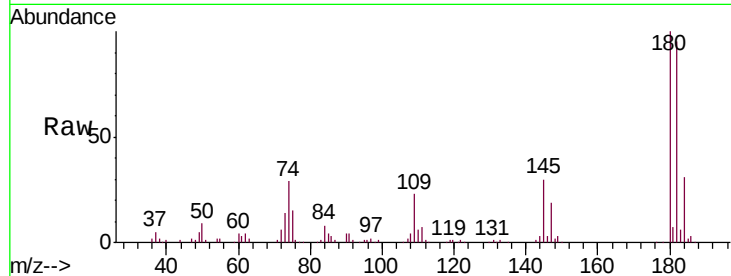




#67
 1,3,5-Trichlorobenzene
 Concen: 5.267 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV010454.D
 Acq: 24 Apr 2019 11:26

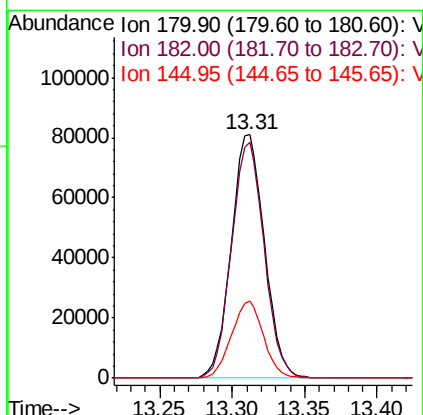
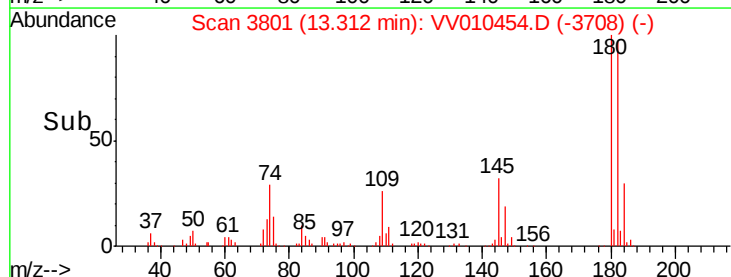
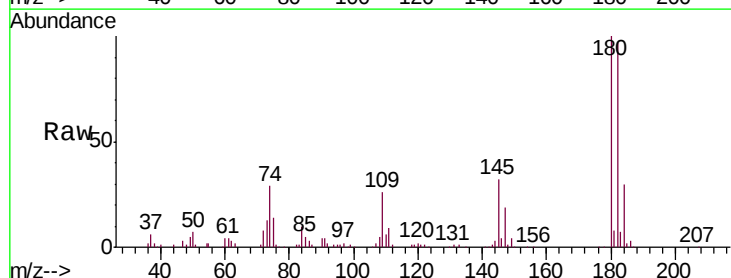
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00535

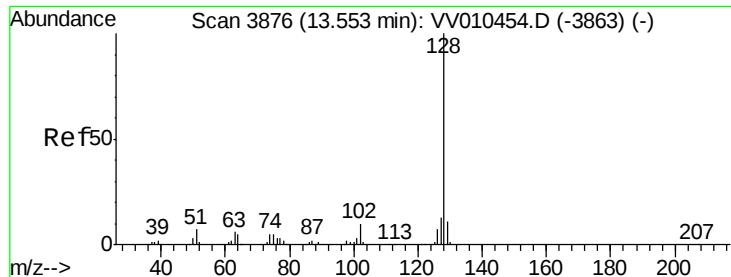
Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.5	74.8	112.2
184	30.0	24.0	36.0
145	29.6	23.7	35.5



#68
 1,2,4-trichlorobenzene
 Concen: 5.514 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV010454.D
 Acq: 24 Apr 2019 11:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.3	114.5
145	30.6	24.5	36.7





#69

Naphthalene

Concen: 6.435 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV010454.D

Acq: 24 Apr 2019 11:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD00535

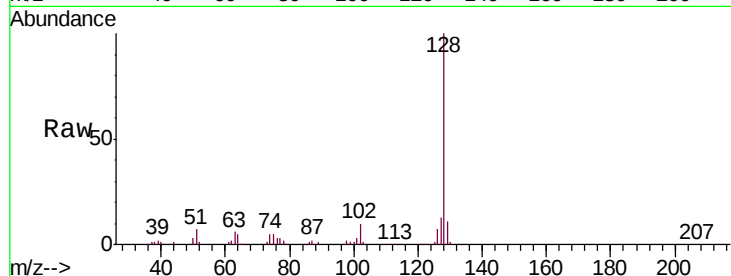
Tgt Ion:128 Resp: 182182

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

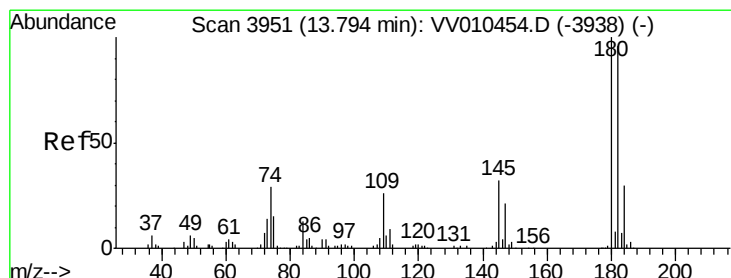
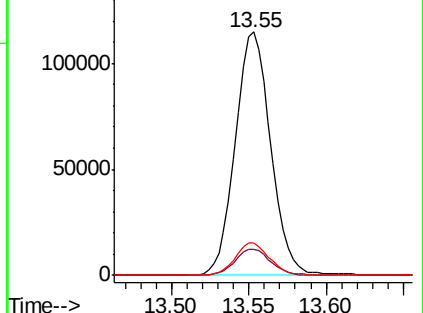
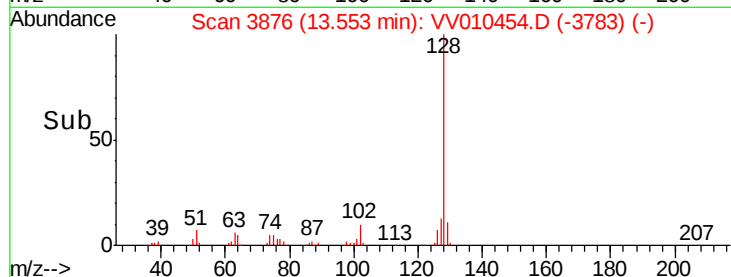
127 12.9 10.3 15.5



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: 5.648 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV010454.D

Acq: 24 Apr 2019 11:26

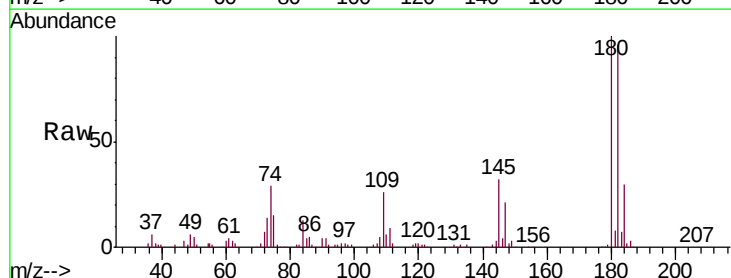
Tgt Ion:180 Resp: 119818

Ion Ratio Lower Upper

180 100

182 96.1 76.9 115.3

145 31.7 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

