

Data File : VV010455.D
Acq On : 24 Apr 2019 11:51
Operator : SY/MD
Sample : VSTD01036
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD01036

Quant Time: Apr 25 01:38:10 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	250908	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	248585	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	130066	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	152211	11.17	ug/L	0.00
7) Chloroethane-d5	1.58	69	114920	8.10	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	303625	8.55	ug/L	0.00
20) 2-Butanone-d5	3.97	46	346993	104.07	ug/L	0.00
24) Chloroform-d	4.40	84	327920	10.75	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	163882	10.61	ug/L	0.00
32) Benzene-d6	5.10	84	642302	11.15	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	186810	10.30	ug/L	0.00
41) Toluene-d8	7.36	98	649179	11.70	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	76958	12.90	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	294449	113.06	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	136795	9.99	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	248588	10.60	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	201675	8.552 ug/L	96
3) Chloromethane	1.25	50	159839	8.096 ug/L	97
5) Vinyl chloride	1.32	62	180722	8.400 ug/L	97
6) Bromomethane	1.54	94	118480	7.730 ug/L	99
8) Chloroethane	1.60	64	100469	7.003 ug/L	97
9) Trichlorofluoromethane	1.77	101	328088	7.691 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	178770	7.918 ug/L	97
12) 1,1-Dichloroethene	2.14	96	157765	8.304 ug/L	90
13) Acetone	2.23	43	196277	75.486 ug/L	97
14) Carbon disulfide	2.32	76	427711	8.442 ug/L	99
15) Methyl Acetate	2.47	43	47707	7.836 ug/L	99
16) Methylene chloride	2.54	84	154428	7.306 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	360245	7.913 ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	169791	8.081 ug/L	96
19) 1,1-Dichloroethane	3.23	63	274998	7.638 ug/L	99
21) 2-Butanone	4.06	43	360766	106.011 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	179584	9.933 ug/L	95
23) Bromochloromethane	4.30	128	79009	9.755 ug/L	98
25) Chloroform	4.43	83	325382	9.615 ug/L	97
27) 1,2-Dichloroethane	5.18	62	198876	10.570 ug/L	99
29) 1,1,1-Trichloroethane	4.65	97	304552	10.403 ug/L	98
30) Cyclohexane	4.72	56	261930	10.638 ug/L	98
31) Carbon tetrachloride	4.87	117	283322	10.312 ug/L	100
33) Benzene	5.14	78	677181	10.033 ug/L	100
34) Trichloroethene	5.96	95	189031	9.620 ug/L	95
35) Methylcyclohexane	6.17	83	299419	10.283 ug/L	99
37) 1,2-Dichloropropane	6.22	63	161566	10.351 ug/L	99
38) Bromodichloromethane	6.56	83	222047	10.614 ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	255114	11.634 ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	931477	108.850 ug/L	100

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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)
42) Toluene	7.43	91	780700	10.378	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	196073	11.539	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	119171	9.651	ug/L	97
47) Tetrachloroethene	8.02	164	171835	10.023	ug/L	96
48) 2-Hexanone	8.19	43	670802	116.544	ug/L	98
49) Dibromochloromethane	8.29	129	156943	10.575	ug/L	98
50) 1,2-Dibromoethane	8.40	107	115984	10.329	ug/L	100
51) Chlorobenzene	8.93	112	518253	10.165	ug/L	98
52) Ethylbenzene	9.05	91	868877	10.670	ug/L	100
53) m,p-xylene	9.18	106	346073	10.894	ug/L	97
54) o-xylene	9.59	106	340656	11.095	ug/L	99
55) Styrene	9.60	104	557298	11.250	ug/L	99
56) Isopropylbenzene	9.97	105	905077	11.075	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	138855	10.332	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	99166	10.319	ug/L	97
61) Bromoform	9.77	173	82980	10.260	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	421497	10.010	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	425679	10.035	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	399346	10.098	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	20567	10.956	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	357258	10.937	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	277105	11.852	ug/L	99
69) Naphthalene	13.55	128	410700	14.478	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	253659	11.932	ug/L	99

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

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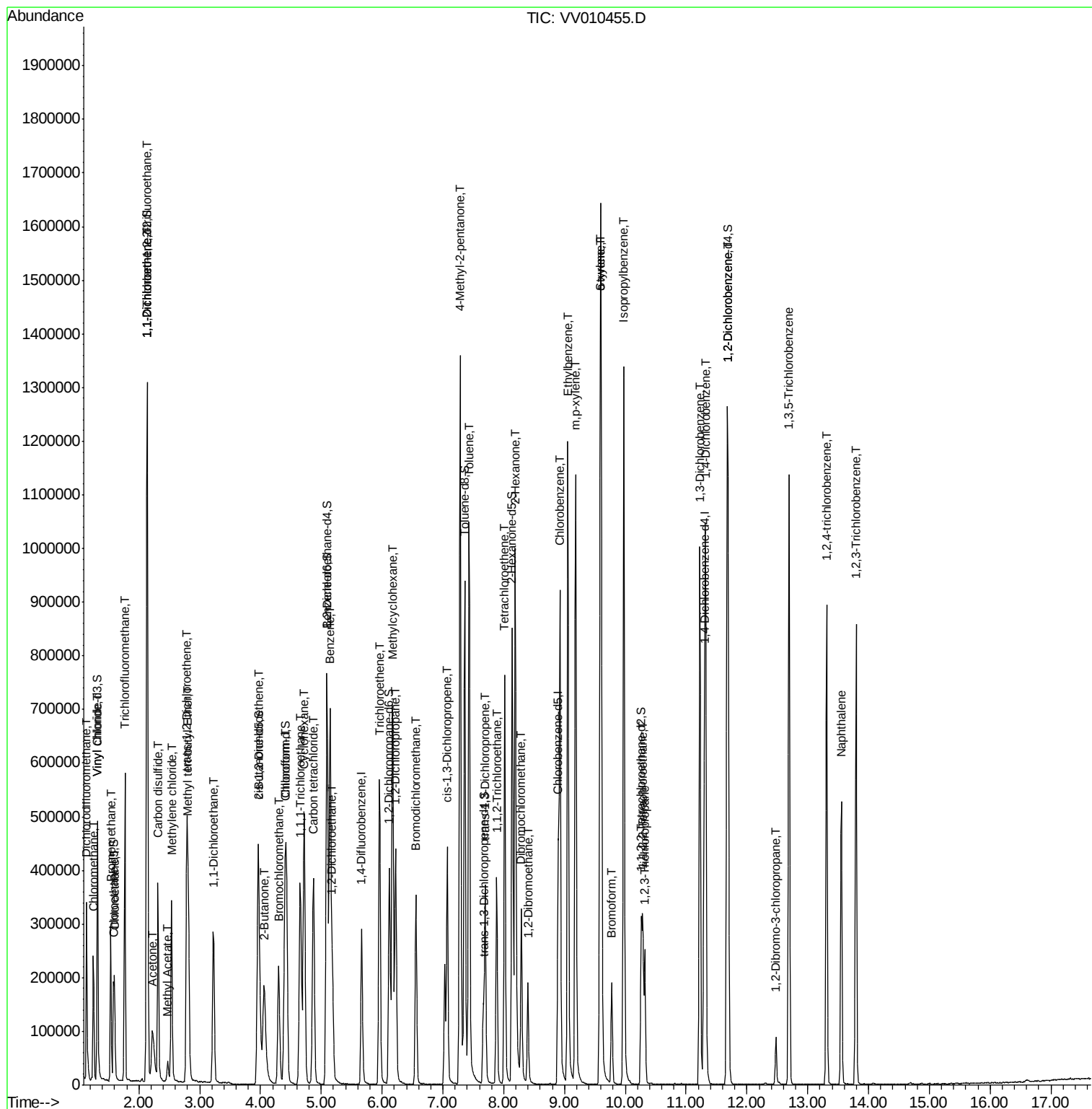
Quant Time: Apr 25 01:38:10 2019

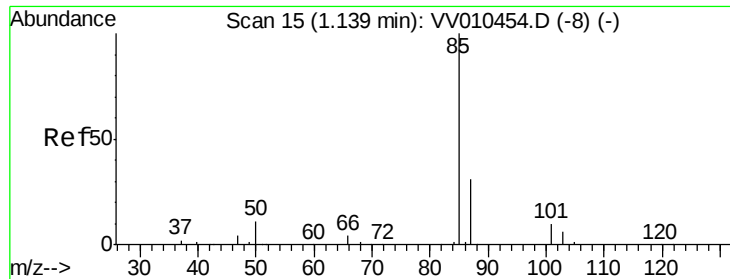
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR042419WMA.M

Quant Title : TRACE VOA SOM01.0

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

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#2

Dichlorodifluoromethane

Concen: 8.552 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

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Instrument :

MSVOA_V

ClientSampleId :

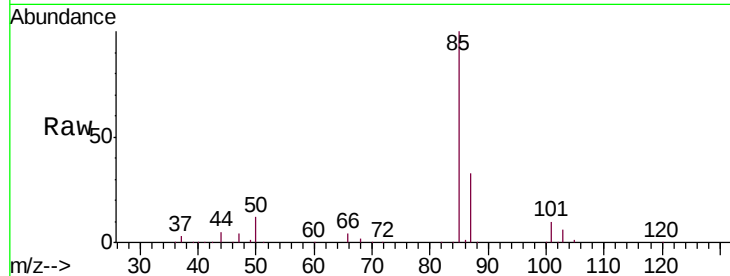
VSTD01036

Tgt Ion: 85 Resp: 201675

Ion Ratio Lower Upper

85 100

87 33.0 24.8 37.2



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

200000

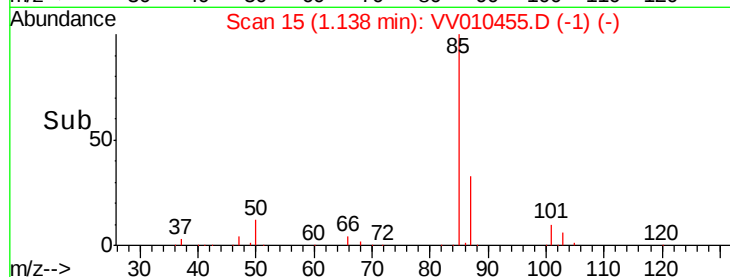
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100000

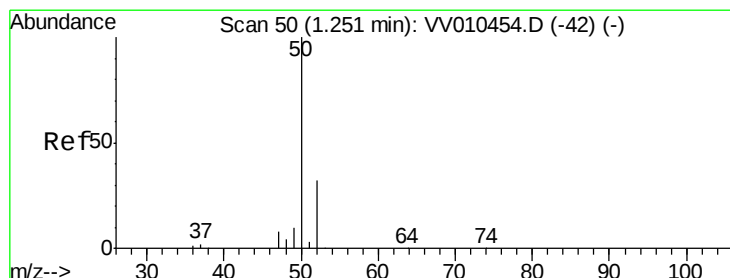
50000

0

Time-->



Time-->



#3

Chloromethane

Concen: 8.096 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV010455.D

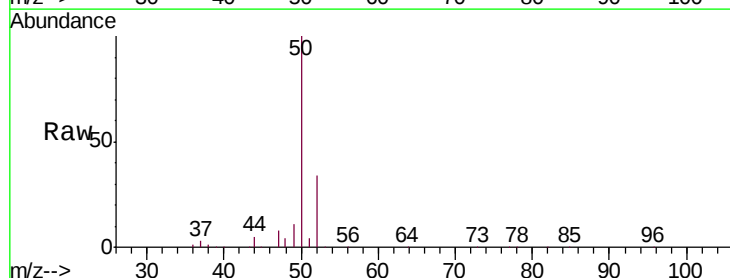
Acq: 24 Apr 2019 11:51

Tgt Ion: 50 Resp: 159839

Ion Ratio Lower Upper

50 100

52 34.2 22.7 42.3



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0

1.25

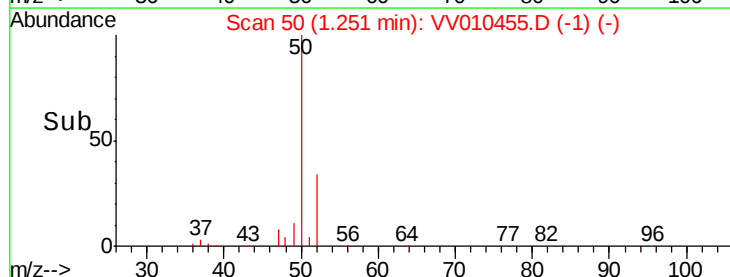
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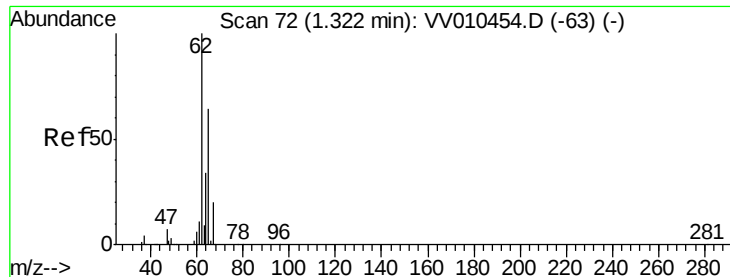
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 8.400 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV010455.D

Acq: 24 Apr 2019 11:51

Instrument :

MSVOA_V

ClientSampleId :

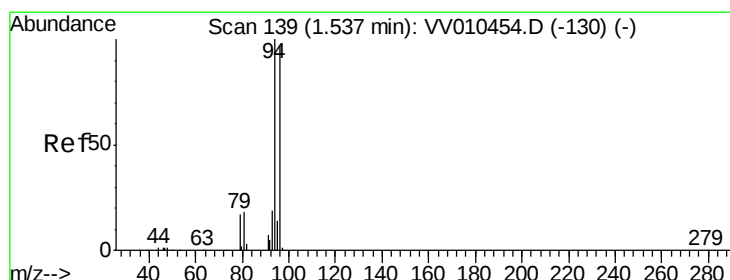
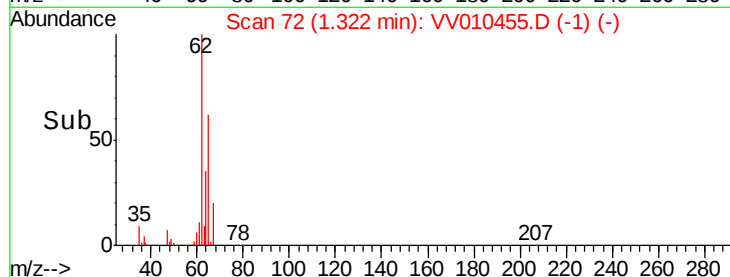
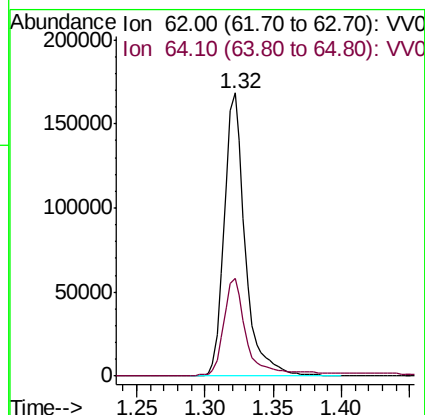
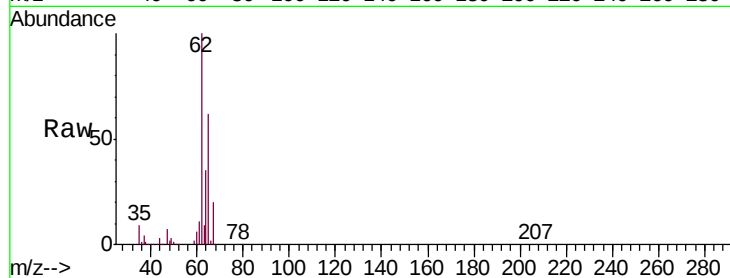
VSTD01036

Tgt Ion: 62 Resp: 180722

Ion Ratio Lower Upper

62 100

64 34.6 25.4 47.2



#6

Bromomethane

Concen: 7.730 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV010455.D

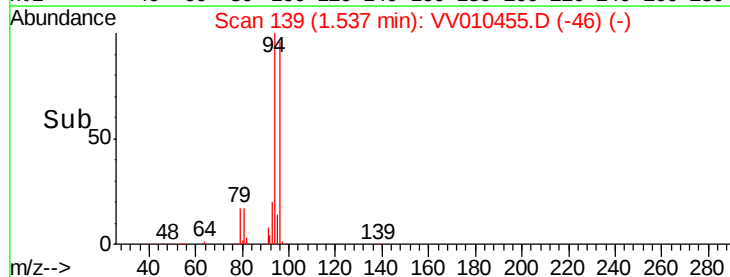
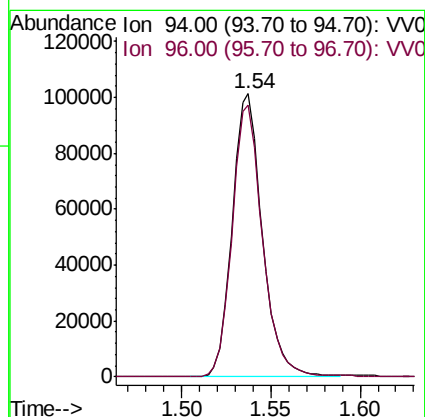
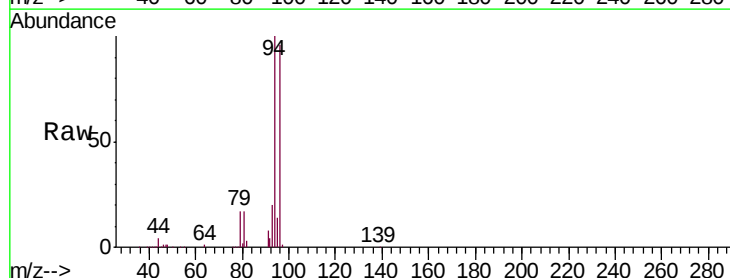
Acq: 24 Apr 2019 11:51

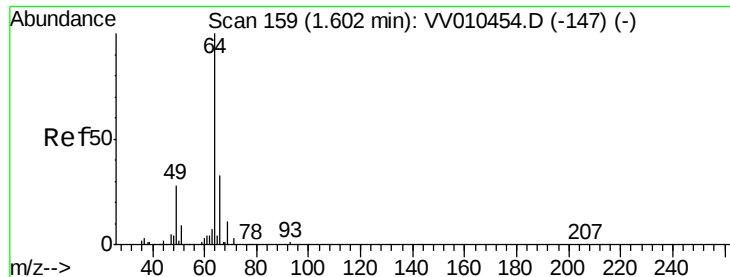
Tgt Ion: 94 Resp: 118480

Ion Ratio Lower Upper

94 100

96 96.0 67.6 125.6





#8

Chloroethane

Concen: 7.003 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.00 min

Lab File: VV010455.D

Acq: 24 Apr 2019 11:51

Instrument :

MSVOA_V

ClientSampleId :

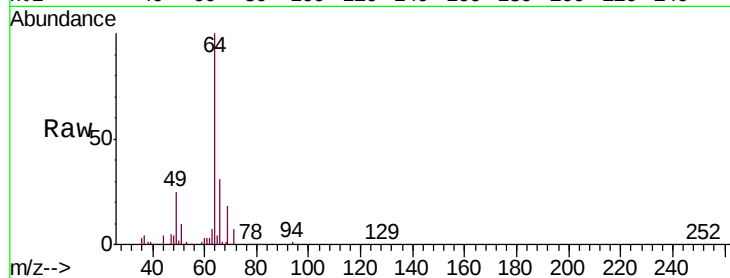
VSTD01036

Tgt Ion: 64 Resp: 100469

Ion Ratio Lower Upper

64 100

66 30.5 22.5 41.9



Abundance Ion 64.10 (63.80 to 64.80): VV010454.D (-147) (-)

Ion 66.05 (65.75 to 66.75): VV010455.D (-66) (-)

1.60

80000

60000

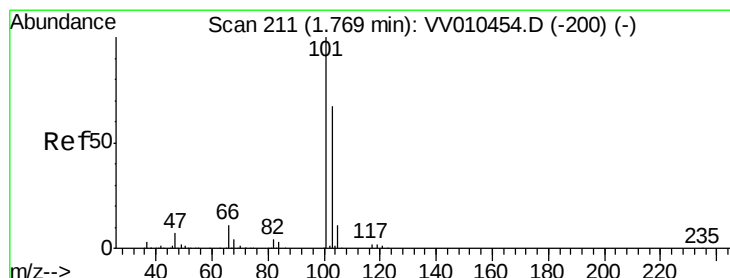
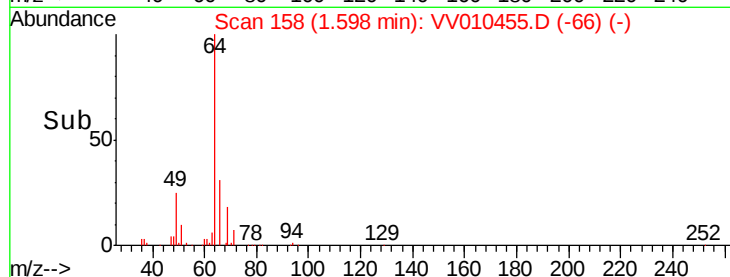
40000

20000

0

1.55 1.60 1.65

Time-->



#9

Trichlorofluoromethane

Concen: 7.691 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV010455.D

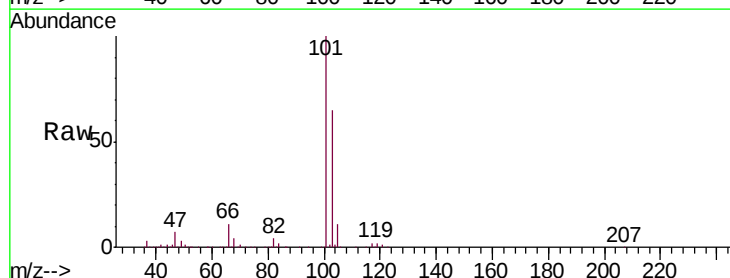
Acq: 24 Apr 2019 11:51

Tgt Ion: 101 Resp: 328088

Ion Ratio Lower Upper

101 100

103 64.6 52.6 78.8



Abundance Ion 101.00 (100.70 to 101.70): VV010454.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV010455.D (-118) (-)

1.77

300000

250000

200000

150000

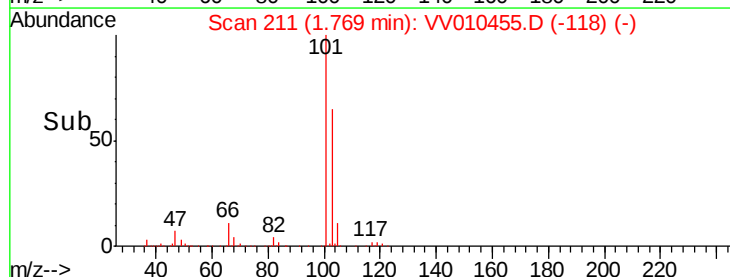
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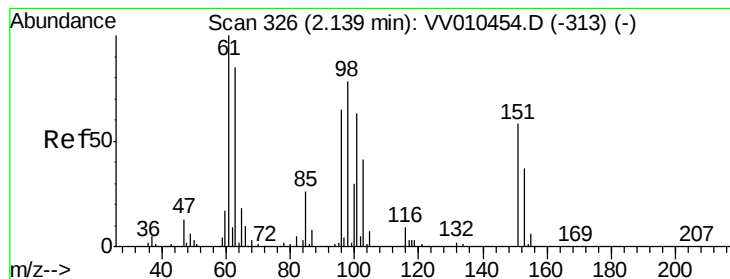
50000

0

1.70 1.75 1.80 1.85 1.90

Time-->





#10

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

Concen: 7.918 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV010455.D

Acq: 24 Apr 2019 11:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD01036

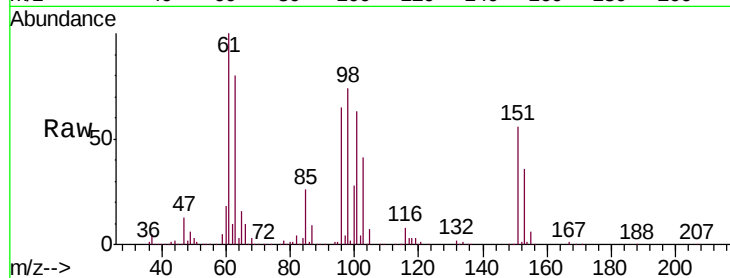
Tgt Ion:101 Resp: 178770

Ion Ratio Lower Upper

101 100

85 41.6 33.8 50.8

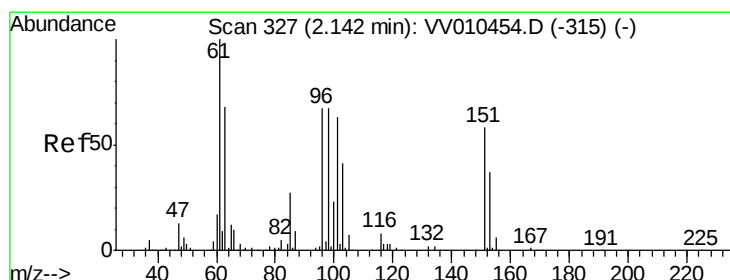
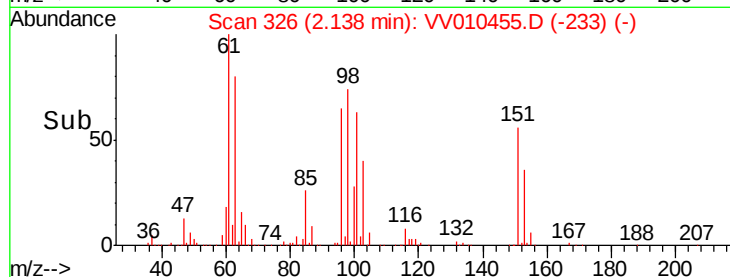
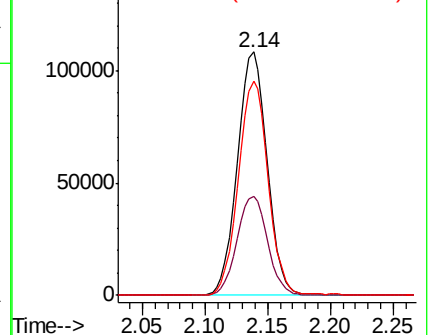
151 87.8 73.8 110.6



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: 8.304 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV010455.D

Acq: 24 Apr 2019 11:51

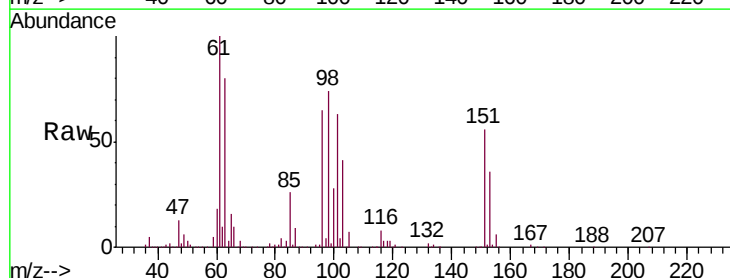
Tgt Ion: 96 Resp: 157765

Ion Ratio Lower Upper

96 100

61 152.8 104.3 193.7

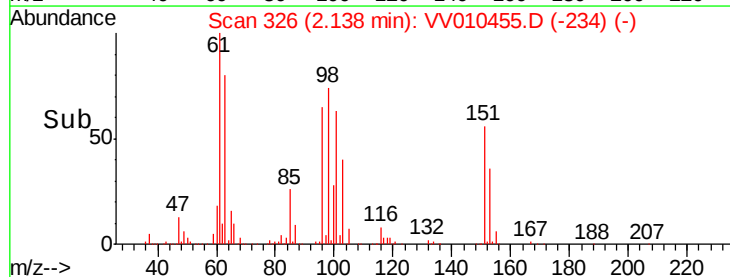
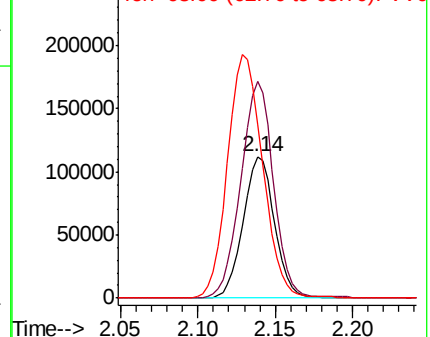
63 122.3 72.1 133.9

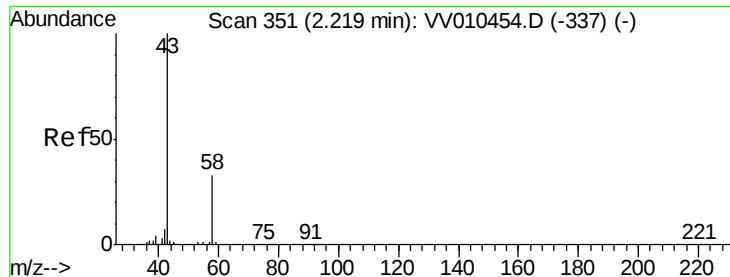


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0

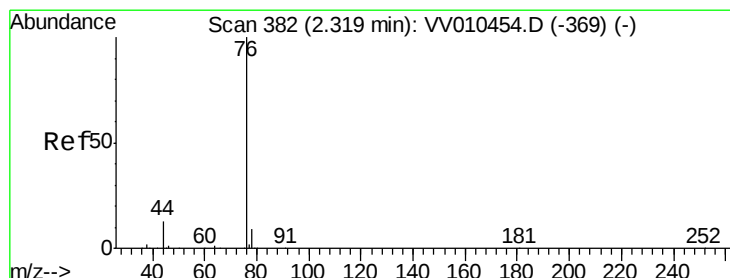
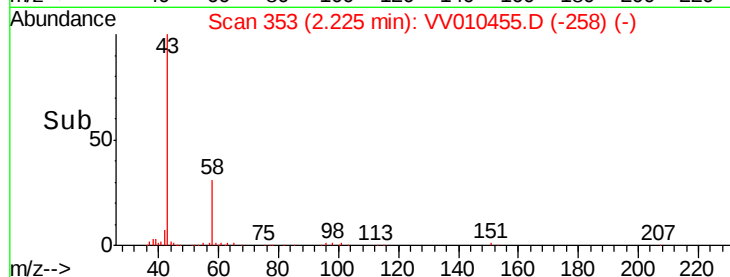
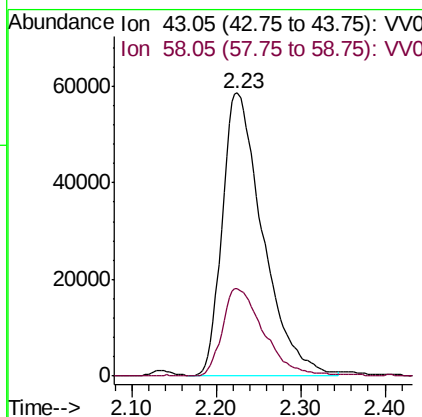
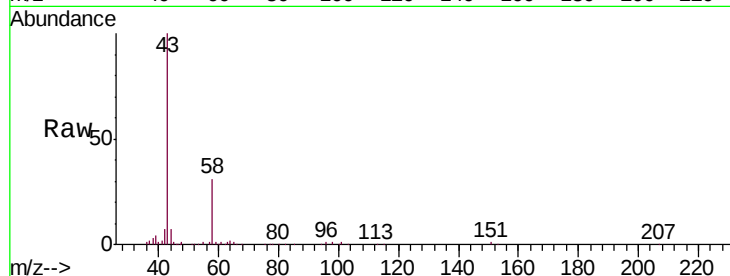




#13
Acetone
Concen: 75.486 ug/L
RT: 2.23 min Scan# 353
Delta R.T. 0.01 min
Lab File: VV010455.D
Acq: 24 Apr 2019 11:51

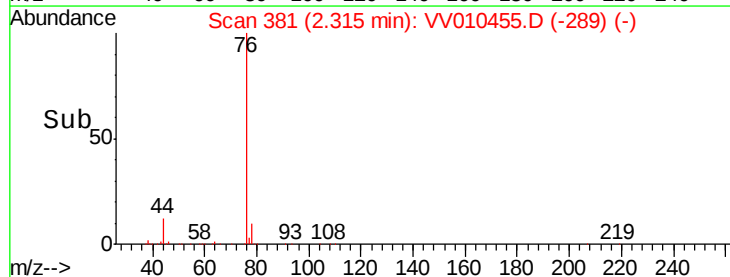
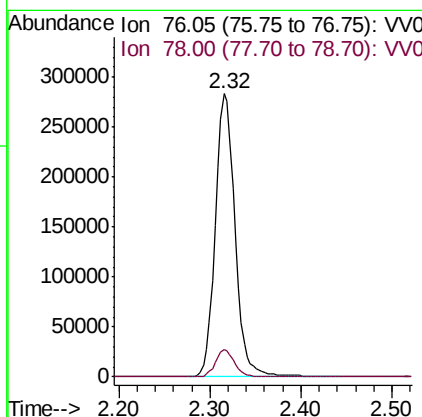
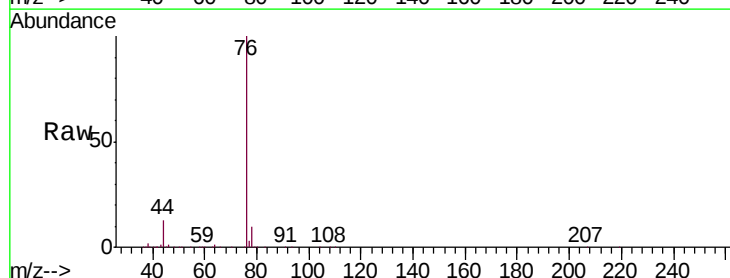
Instrument :
MSVOA_V
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VSTD01036

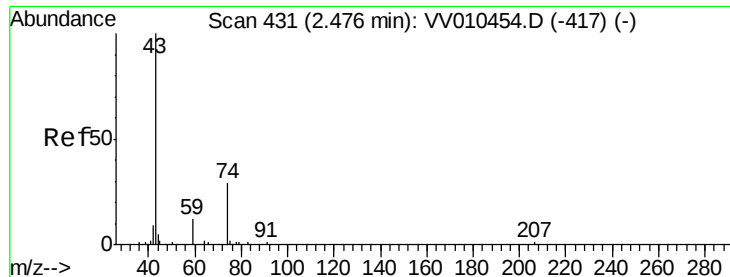
Tgt Ion: 43 Resp: 196277
Ion Ratio Lower Upper
43 100
58 31.2 0.0 59.6



#14
Carbon disulfide
Concen: 8.442 ug/L
RT: 2.32 min Scan# 381
Delta R.T. -0.00 min
Lab File: VV010455.D
Acq: 24 Apr 2019 11:51

Tgt Ion: 76 Resp: 427711
Ion Ratio Lower Upper
76 100
78 9.6 7.5 11.3

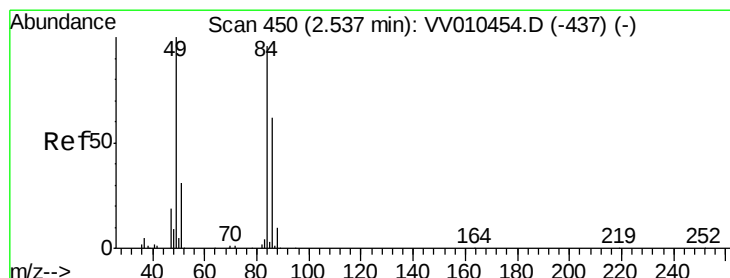
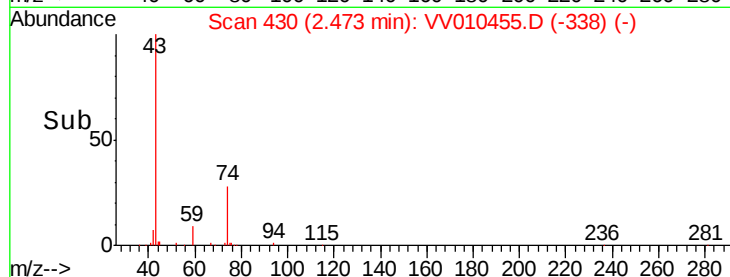
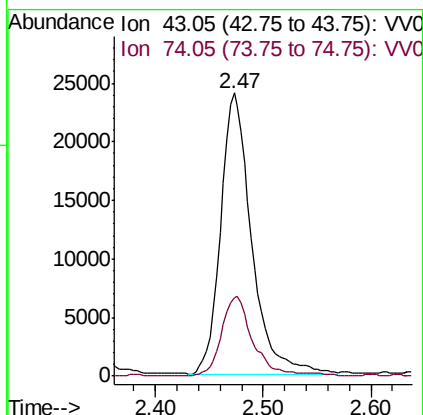
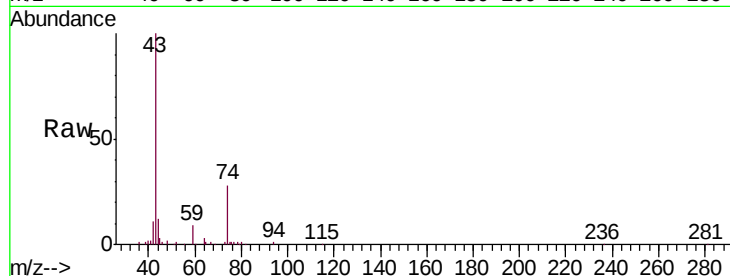




#15
Methyl Acetate
Concen: 7.836 ug/L
RT: 2.47 min Scan# 430
Delta R.T. -0.00 min
Lab File: VV010455.D
Acq: 24 Apr 2019 11:51

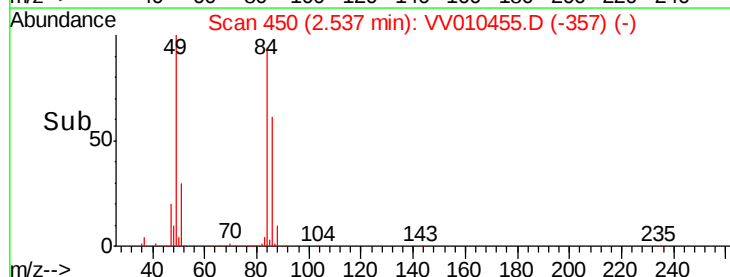
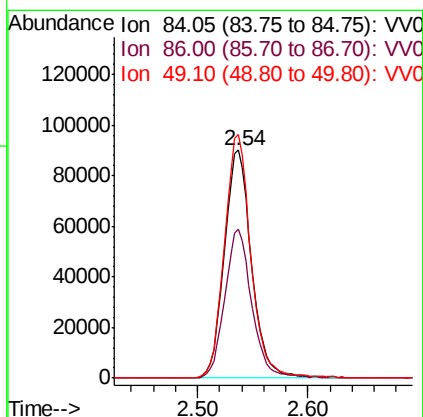
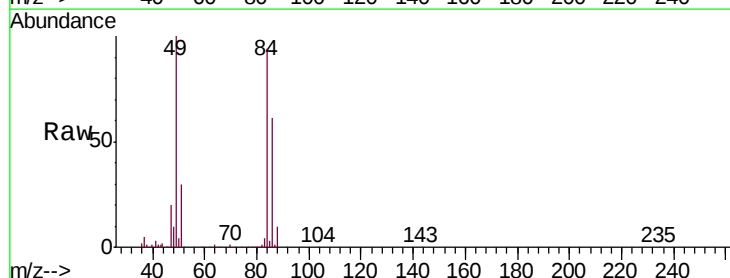
Instrument :
MSVOA_V
ClientSampleId :
VSTD01036

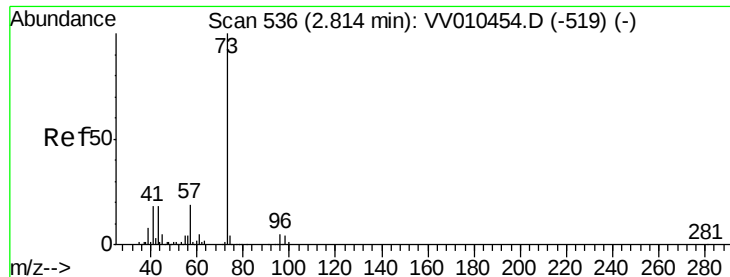
Tgt Ion: 43 Resp: 47707
Ion Ratio Lower Upper
43 100
74 28.4 23.0 34.6



#16
Methylene chloride
Concen: 7.306 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV010455.D
Acq: 24 Apr 2019 11:51

Tgt Ion: 84 Resp: 154428
Ion Ratio Lower Upper
84 100
86 65.1 44.7 83.1
49 106.8 72.7 135.1



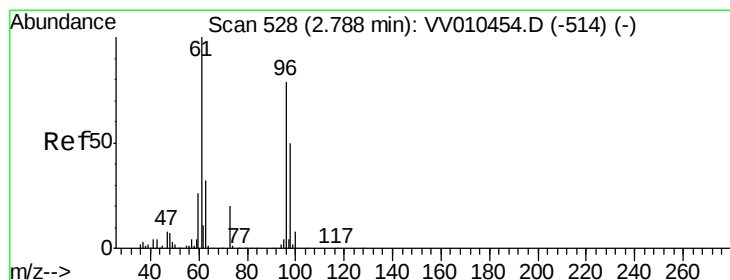
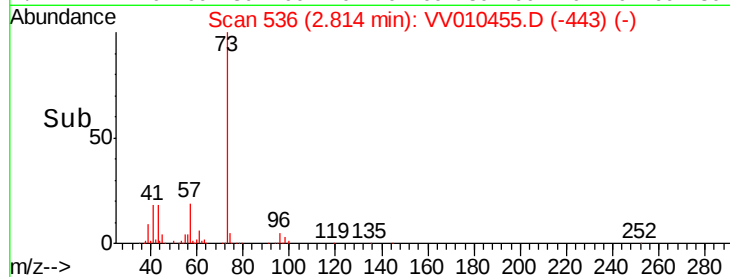
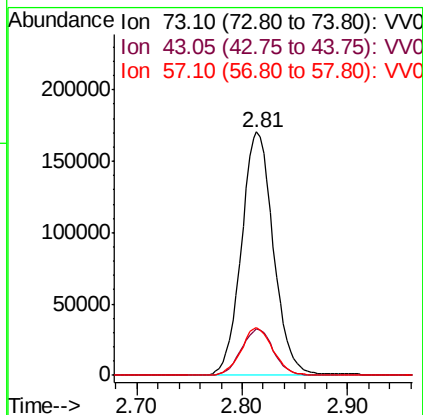
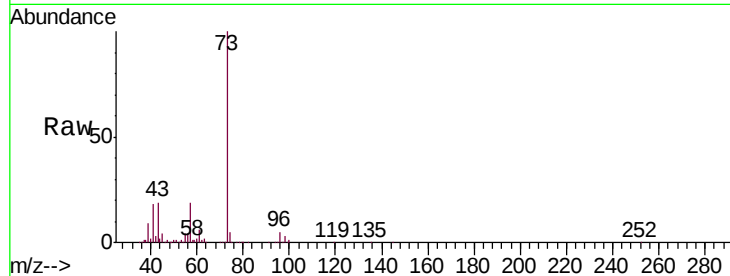


#17

Methyl tert-butyl Ether
 Concen: 7.913 ug/L
 RT: 2.81 min Scan# 536
 Delta R.T. -0.00 min
 Lab File: VV010455.D
 Acq: 24 Apr 2019 11:51

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01036

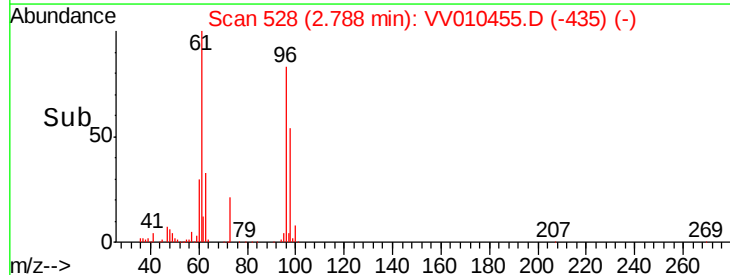
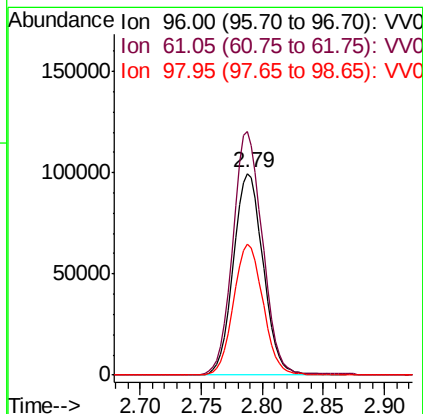
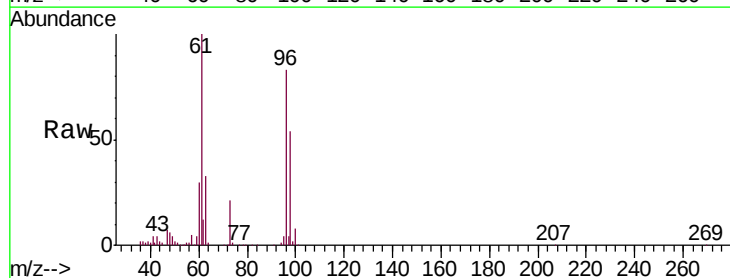
Tgt Ion	Ratio	Lower	Upper
73	100		
43	18.9	14.9	22.3
57	19.5	15.7	23.5

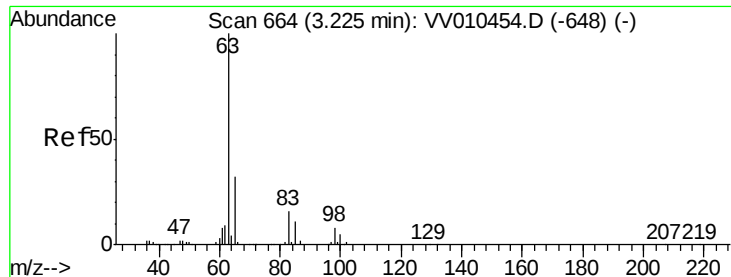


#18

trans-1,2-Dichloroethene
 Concen: 8.081 ug/L
 RT: 2.79 min Scan# 528
 Delta R.T. -0.00 min
 Lab File: VV010455.D
 Acq: 24 Apr 2019 11:51

Tgt Ion	Ratio	Lower	Upper
96	100		
61	120.6	89.2	165.6
98	64.6	44.8	83.2

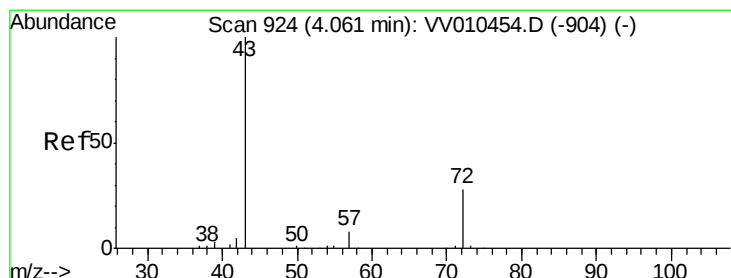
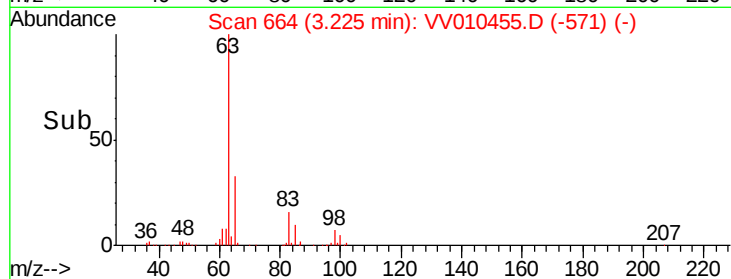
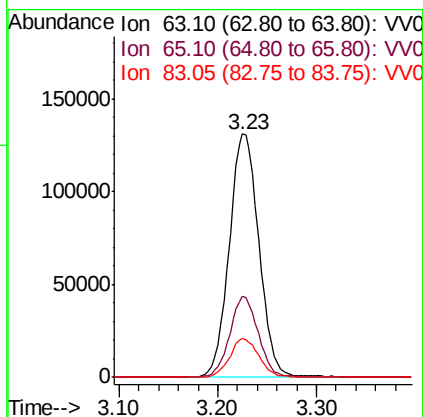
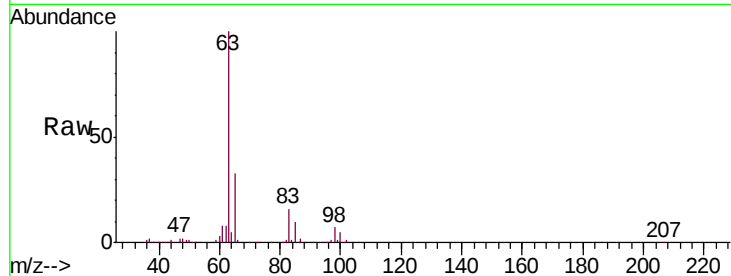




#19
 1,1-Dichloroethane
 Concen: 7.638 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VV010455.D
 Acq: 24 Apr 2019 11:51

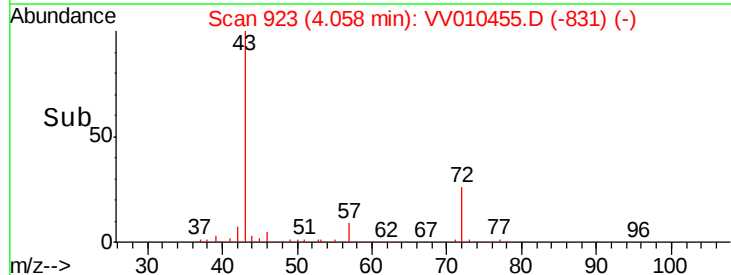
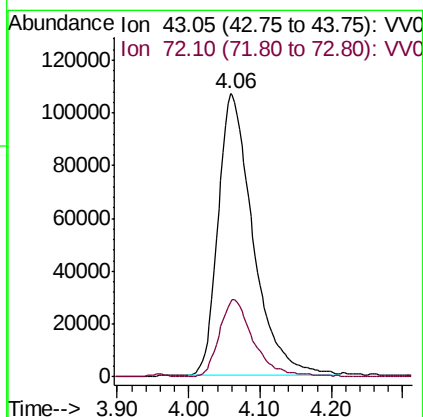
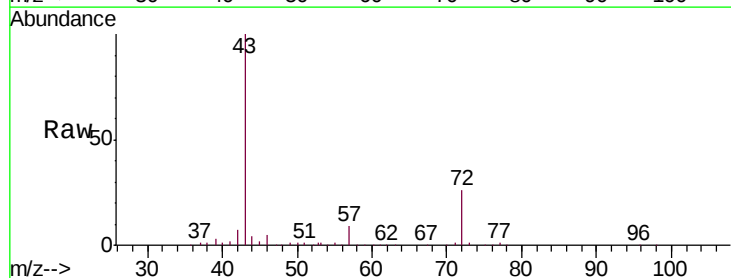
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01036

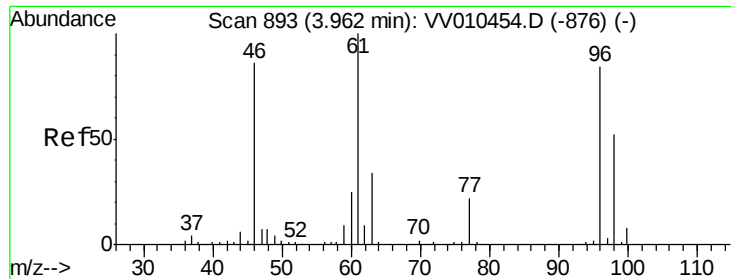
Tgt Ion	Ratio	Lower	Upper
63	100		
65	33.2	22.7	42.3
83	15.9	11.3	20.9



#21
 2-Butanone
 Concen: 106.011 ug/L
 RT: 4.06 min Scan# 923
 Delta R.T. -0.00 min
 Lab File: VV010455.D
 Acq: 24 Apr 2019 11:51

Tgt Ion	Ratio	Lower	Upper
43	100		
72	26.8	14.1	42.2



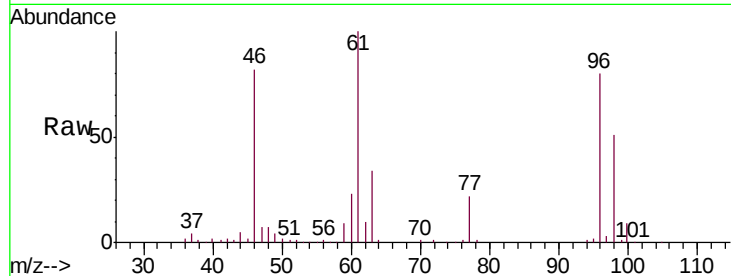


#22

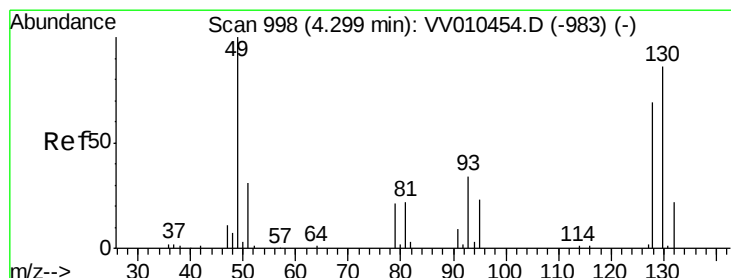
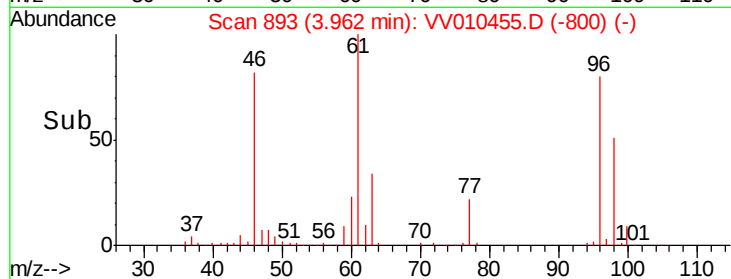
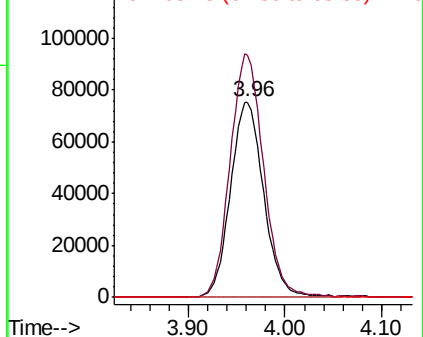
cis-1,2-Dichloroethene
Concen: 9.933 ug/L
RT: 3.96 min Scan# 893
Delta R.T. -0.00 min
Lab File: VV010455.D
Acq: 24 Apr 2019 11:51

Instrument :
MSVOA_V
ClientSampleId :
VSTD01036

Tgt Ion: 96 Resp: 179584
Ion Ratio Lower Upper
96 100
61 124.3 83.2 154.6
68 0.0 0.0 0.0



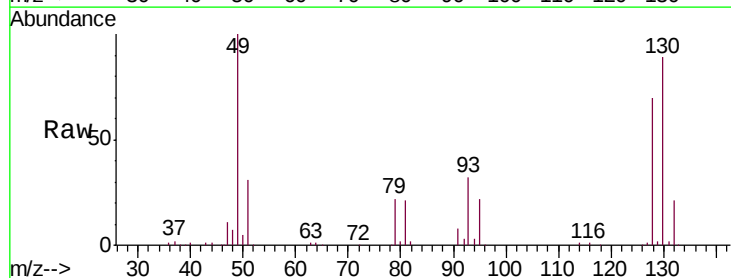
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



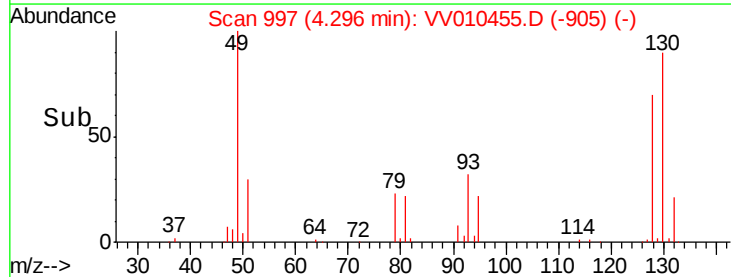
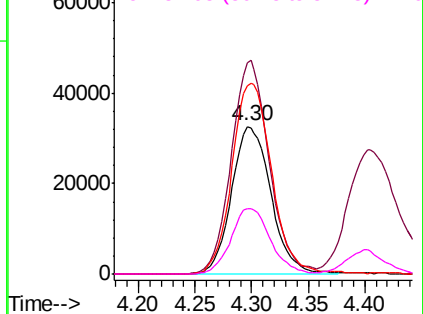
#23

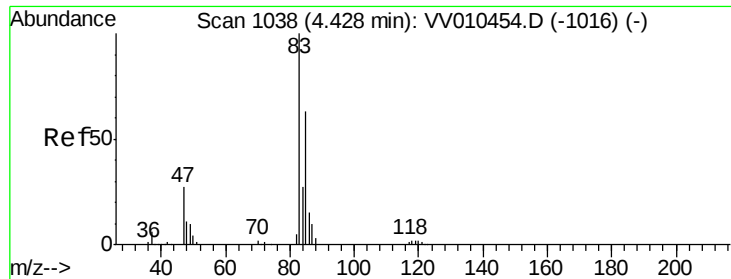
Bromochloromethane
Concen: 9.755 ug/L
RT: 4.30 min Scan# 997
Delta R.T. -0.00 min
Lab File: VV010455.D
Acq: 24 Apr 2019 11:51

Tgt Ion: 128 Resp: 79009
Ion Ratio Lower Upper
128 100
49 143.5 102.0 189.4
130 127.7 87.6 162.6
51 44.6 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: 9.615 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. -0.00 min

Lab File: VV010455.D

Acq: 24 Apr 2019 11:51

Instrument :

MSVOA_V

ClientSampleId :

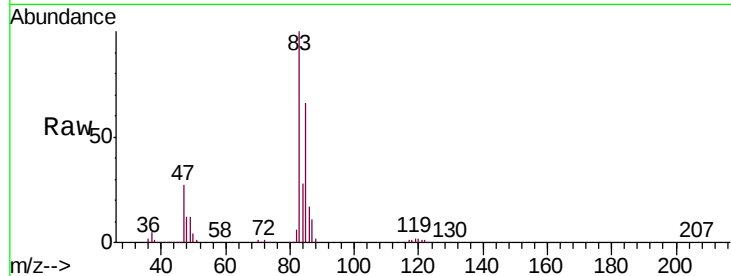
VSTD01036

Tgt Ion: 83 Resp: 325382

Ion Ratio Lower Upper

83 100

85 65.9 44.3 82.3



Abundance Ion 83.05 (82.75 to 83.75): VV010454.D (-1016) (-)

Ion 85.00 (84.70 to 85.70): VV010454.D (-1016) (-)

4.43

150000

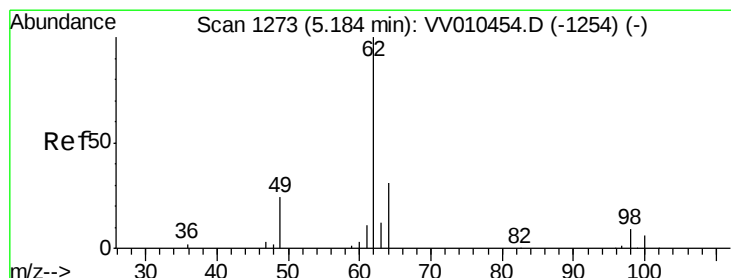
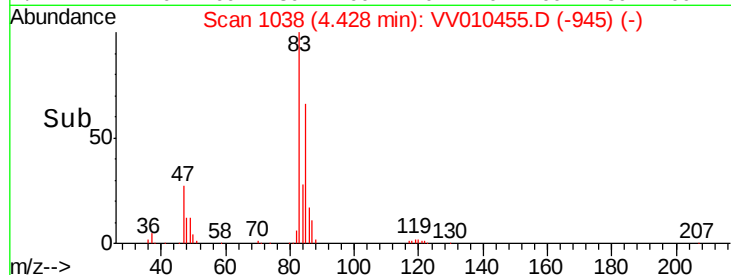
100000

50000

0

4.30 4.40 4.50

Time-->



#27

1,2-Dichloroethane

Concen: 10.570 ug/L

RT: 5.18 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VV010455.D

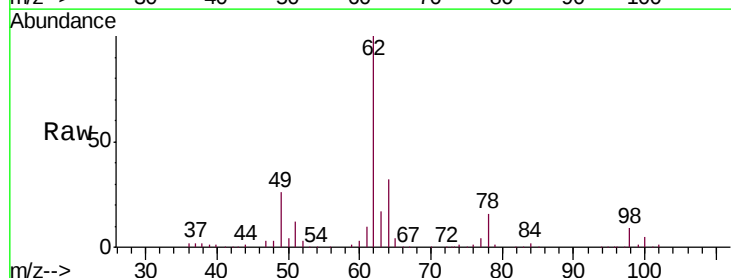
Acq: 24 Apr 2019 11:51

Tgt Ion: 62 Resp: 198876

Ion Ratio Lower Upper

62 100

98 9.1 7.5 11.3



Abundance Ion 62.00 (61.70 to 62.70): VV010454.D (-1254) (-)

Ion 98.05 (97.75 to 98.75): VV010454.D (-1254) (-)

5.18

100000

80000

60000

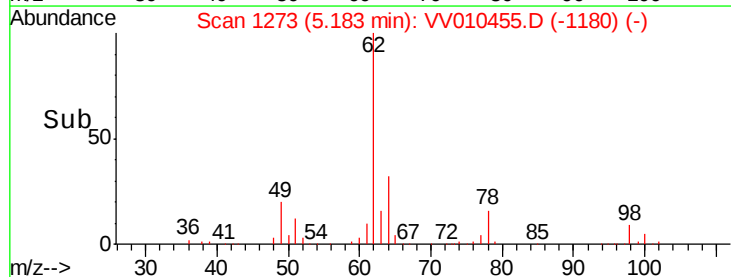
40000

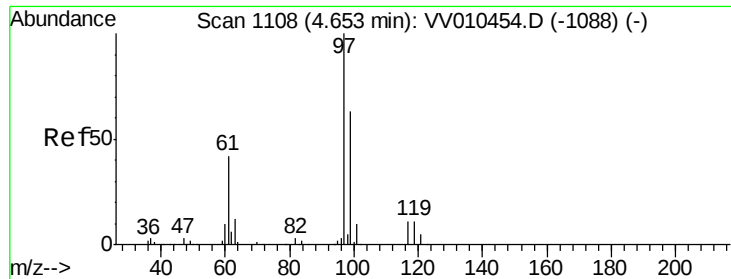
20000

0

5.10 5.20 5.30

Time-->

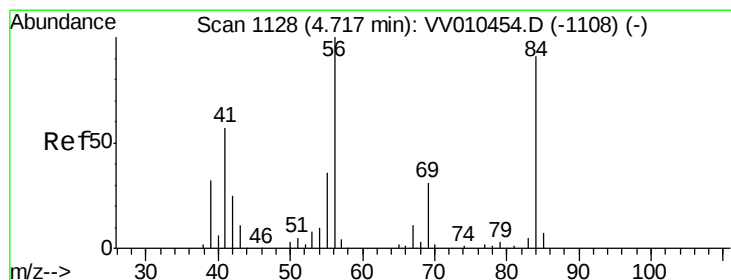
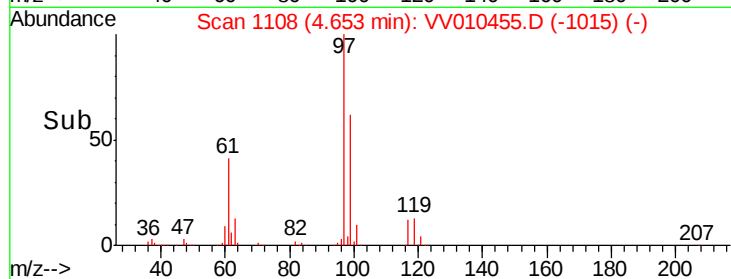
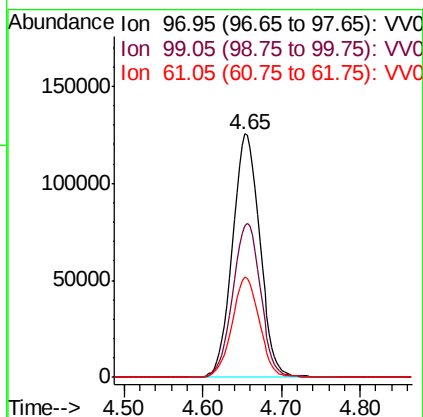
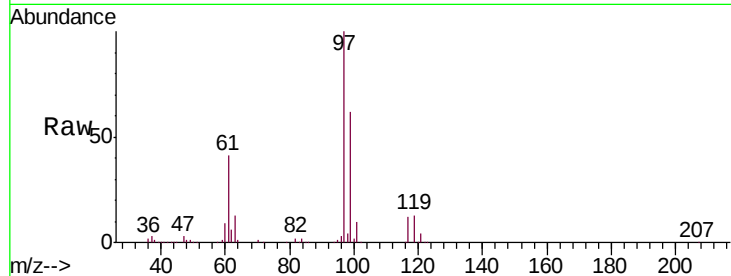




#29
 1,1,1-Trichloroethane
 Concen: 10.403 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. -0.00 min
 Lab File: VV010455.D
 Acq: 24 Apr 2019 11:51

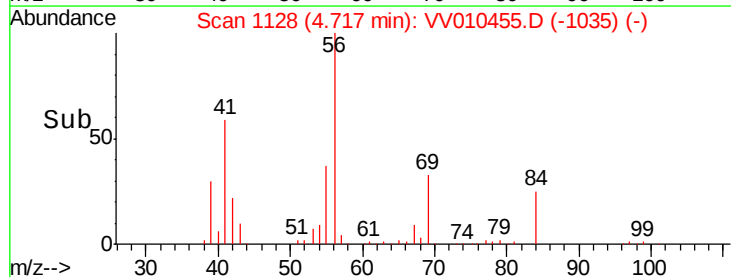
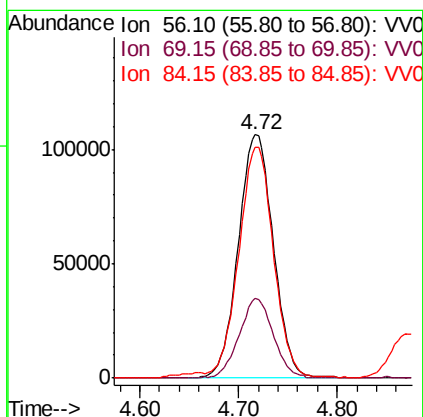
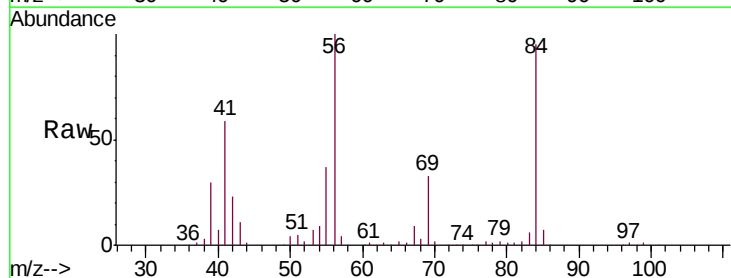
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01036

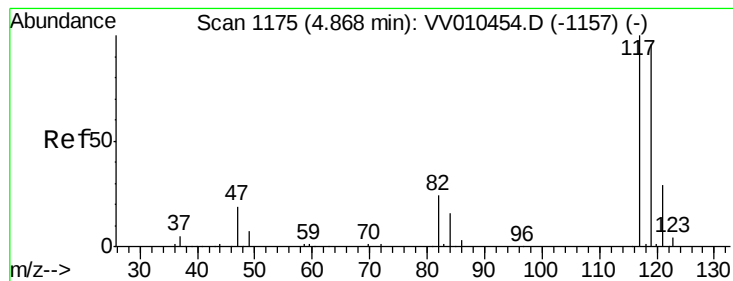
Tgt Ion: 97 Resp: 304552
 Ion Ratio Lower Upper
 97 100
 99 64.0 52.2 78.2
 61 40.8 33.7 50.5



#30
 Cyclohexane
 Concen: 10.638 ug/L
 RT: 4.72 min Scan# 1128
 Delta R.T. -0.00 min
 Lab File: VV010455.D
 Acq: 24 Apr 2019 11:51

Tgt Ion: 56 Resp: 261930
 Ion Ratio Lower Upper
 56 100
 69 31.9 25.5 38.3
 84 93.3 76.7 115.1





#31

Carbon tetrachloride

Concen: 10.312 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV010455.D

Acq: 24 Apr 2019 11:51

Instrument :

MSVOA_V

ClientSampleId :

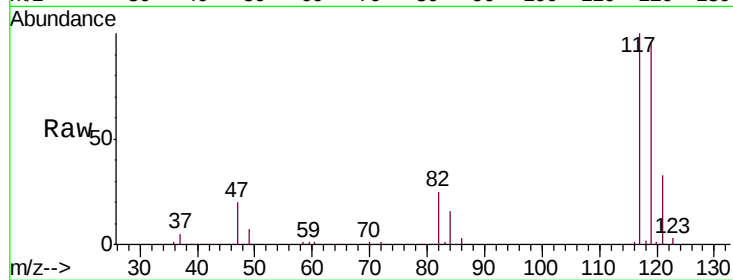
VSTD01036

Tgt Ion:117 Resp: 283322

Ion Ratio Lower Upper

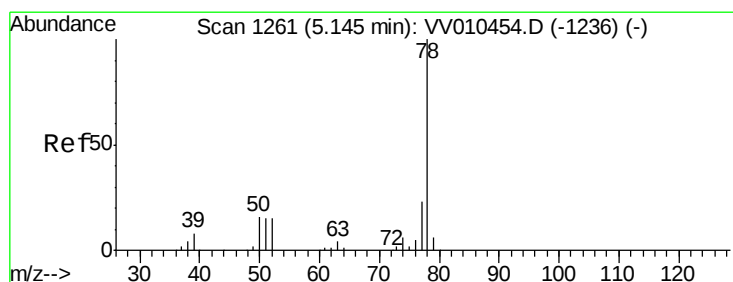
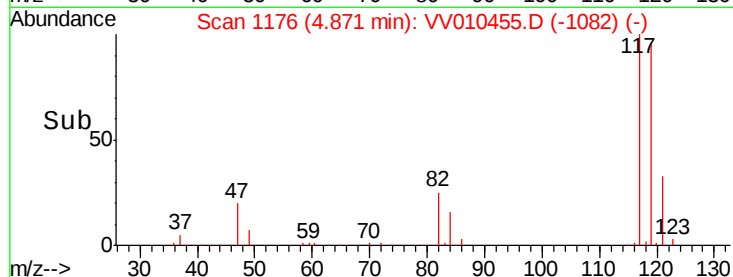
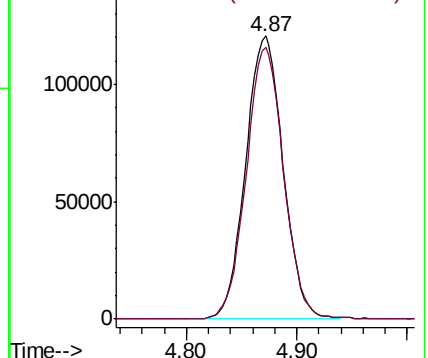
117 100

119 96.0 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: 10.033 ug/L

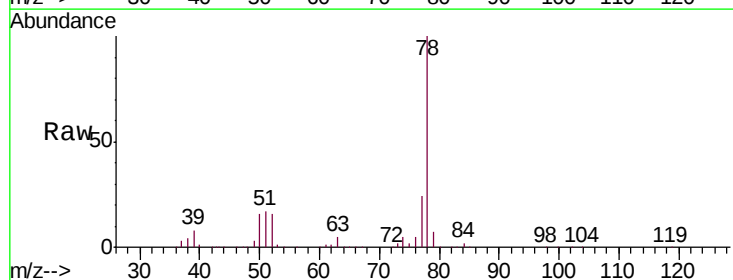
RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

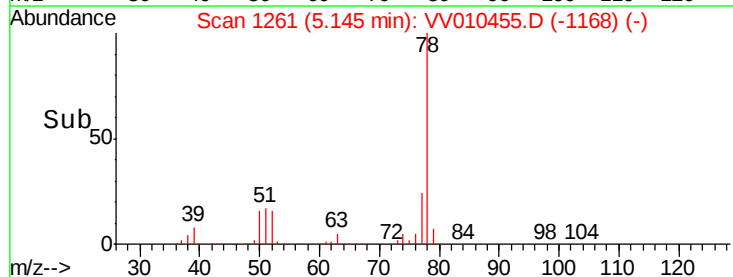
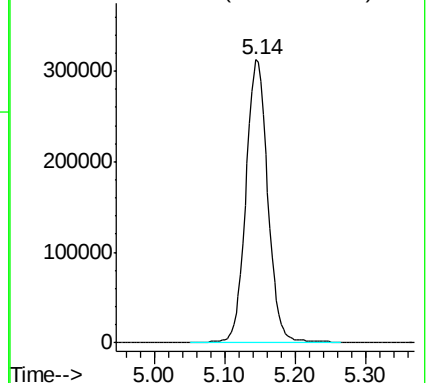
Lab File: VV010455.D

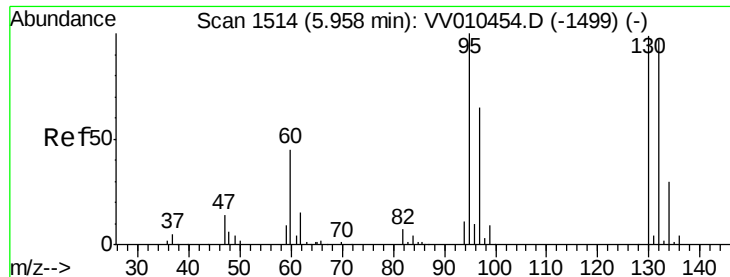
Acq: 24 Apr 2019 11:51

Tgt Ion: 78 Resp: 677181



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 9.620 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV010455.D

Acq: 24 Apr 2019 11:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD01036

Tgt Ion: 95 Resp: 189031

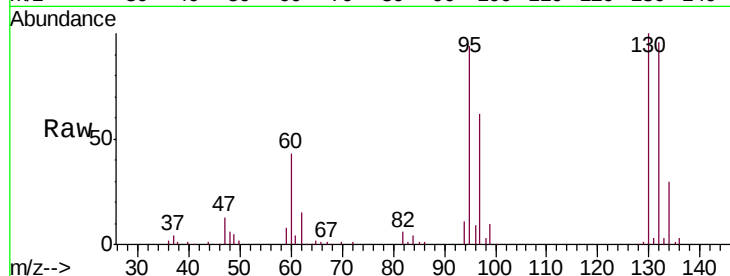
Ion Ratio Lower Upper

95 100

97 65.5 45.6 84.6

132 102.3 67.8 126.0

130 106.3 69.0 128.2

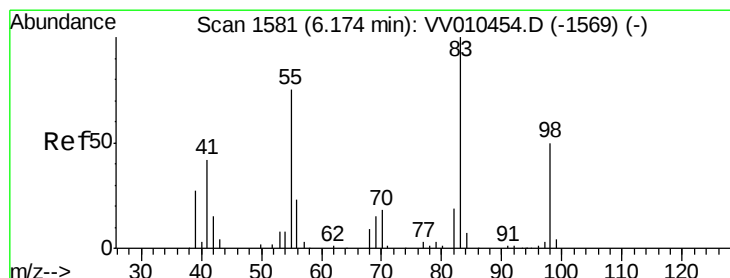
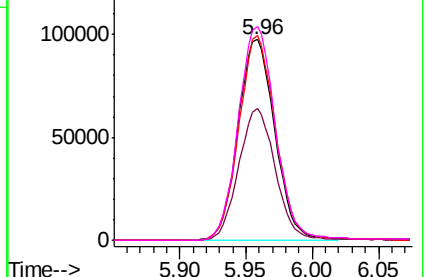
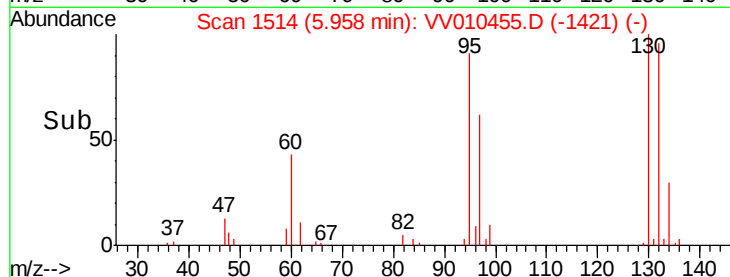


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 10.283 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV010455.D

Acq: 24 Apr 2019 11:51

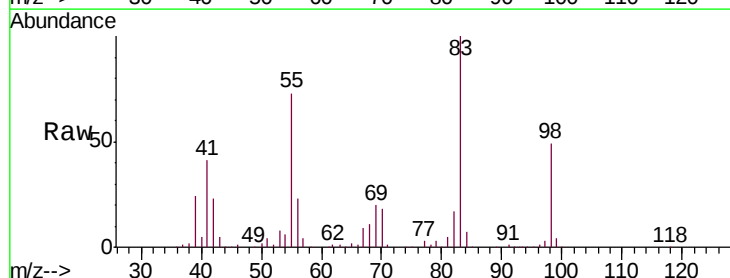
Tgt Ion: 83 Resp: 299419

Ion Ratio Lower Upper

83 100

55 72.6 57.8 86.6

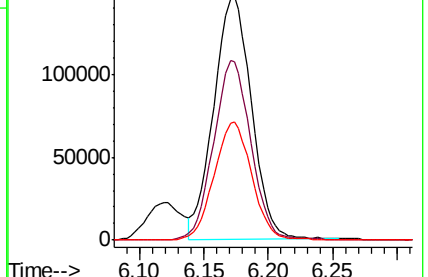
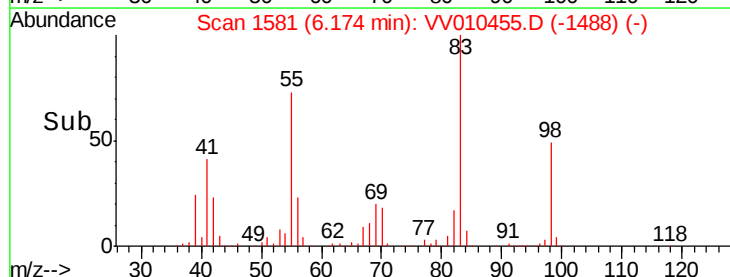
98 47.7 38.8 58.2

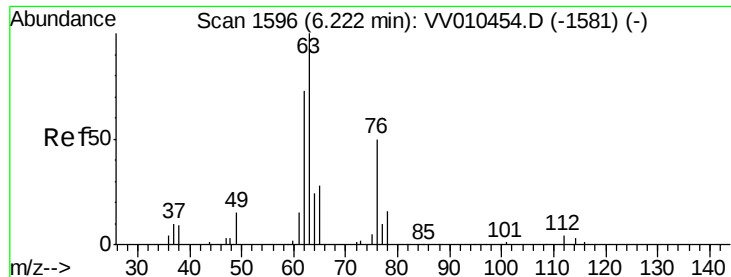


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

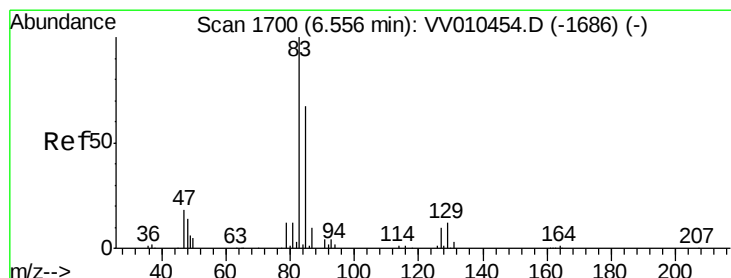
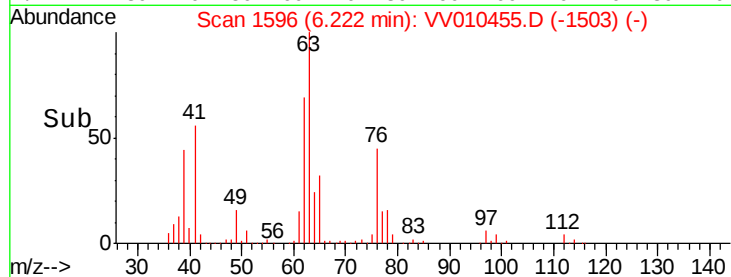
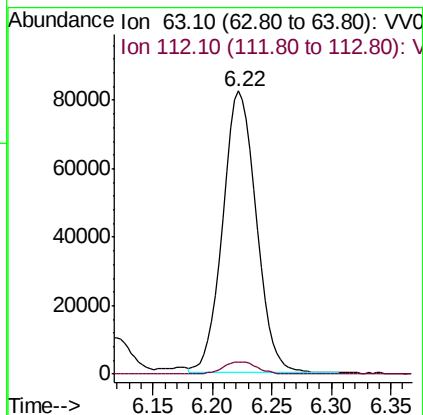
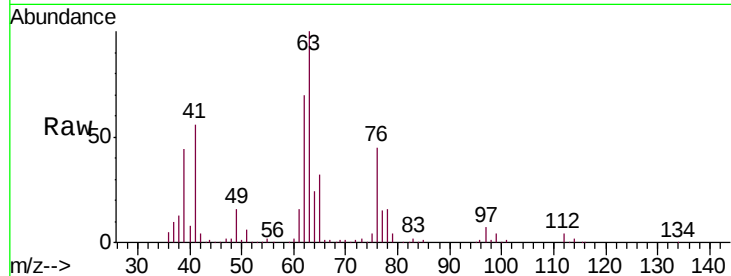




#37
 1,2-Dichloropropane
 Concen: 10.351 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. -0.00 min
 Lab File: VV010455.D
 Acq: 24 Apr 2019 11:51

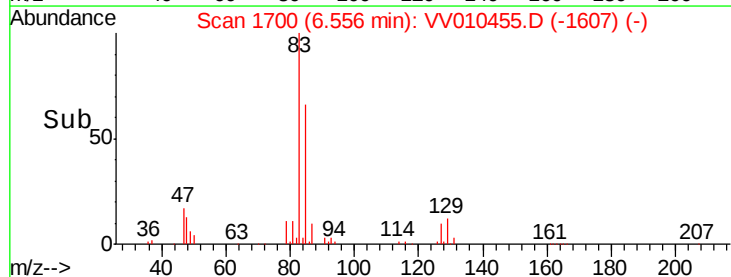
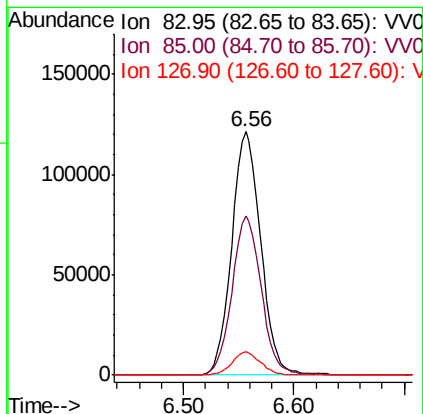
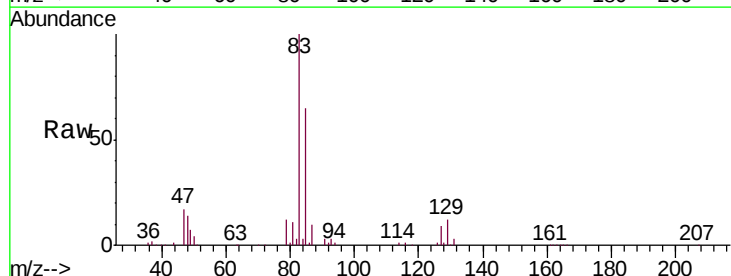
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01036

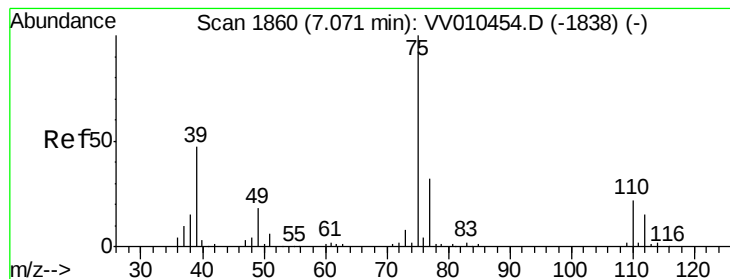
Tgt Ion: 63 Resp: 161566
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.8 5.6



#38
 Bromodichloromethane
 Concen: 10.614 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VV010455.D
 Acq: 24 Apr 2019 11:51

Tgt Ion: 83 Resp: 222047
 Ion Ratio Lower Upper
 83 100
 85 65.2 46.6 86.6
 127 9.5 7.8 11.8



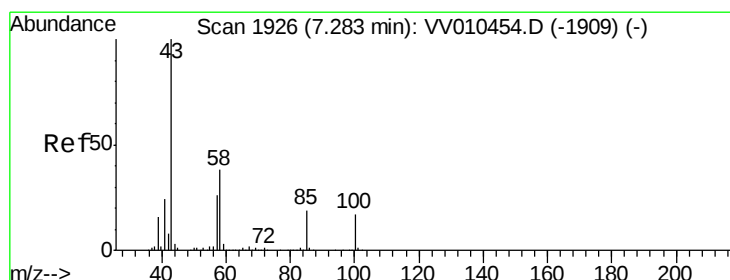
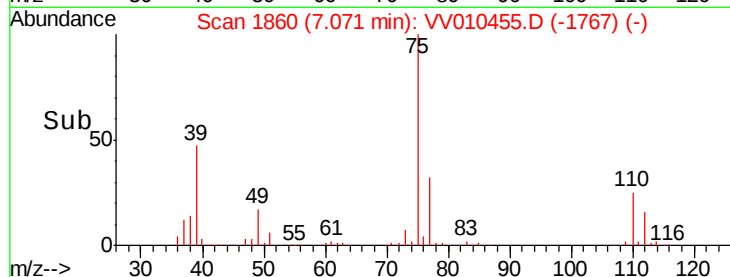
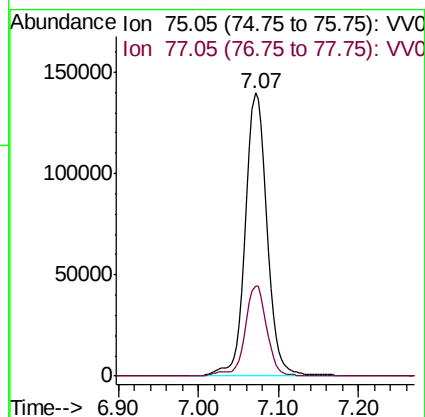
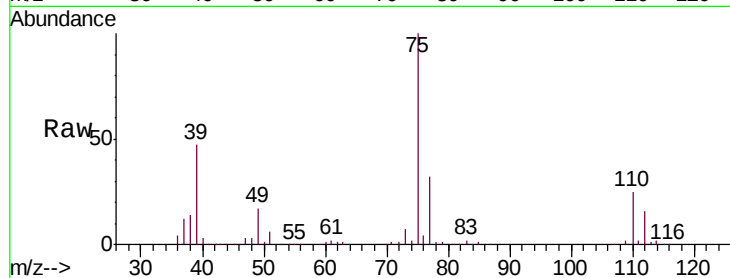


#39

cis-1,3-Dichloropropene
 Concen: 11.634 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VV010455.D
 Acq: 24 Apr 2019 11:51

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01036

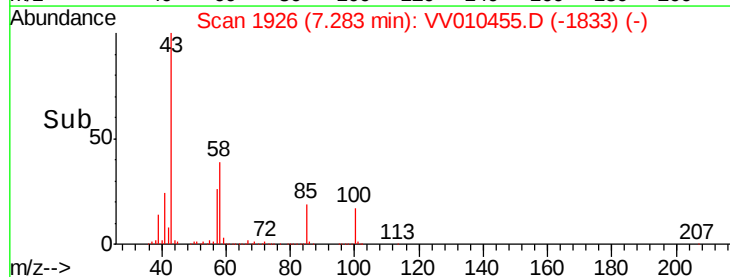
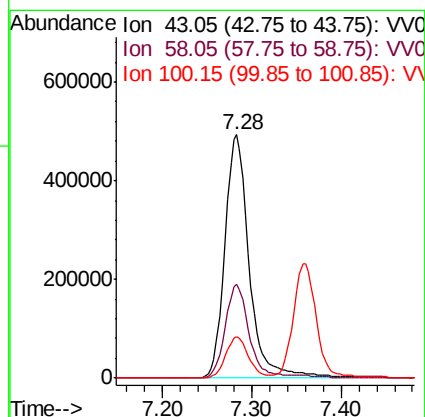
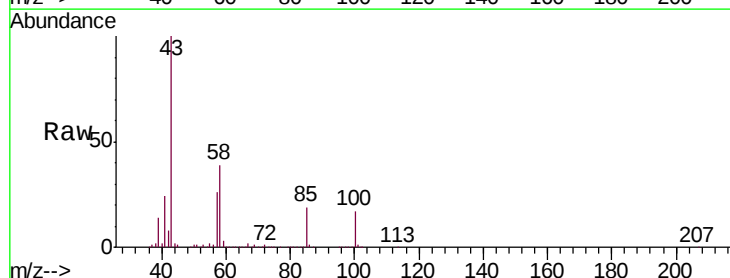
Tgt Ion: 75 Resp: 255114
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.5 41.7

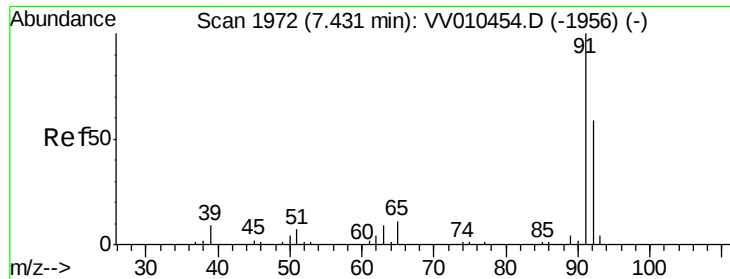


#40

4-Methyl-2-pentanone
 Concen: 108.850 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. -0.00 min
 Lab File: VV010455.D
 Acq: 24 Apr 2019 11:51

Tgt Ion: 43 Resp: 931477
 Ion Ratio Lower Upper
 43 100
 58 37.7 30.3 45.5
 100 16.0 13.0 19.4





#42

Toluene

Concen: 10.378 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV010455.D

Acq: 24 Apr 2019 11:51

Instrument :

MSVOA_V

ClientSampleId :

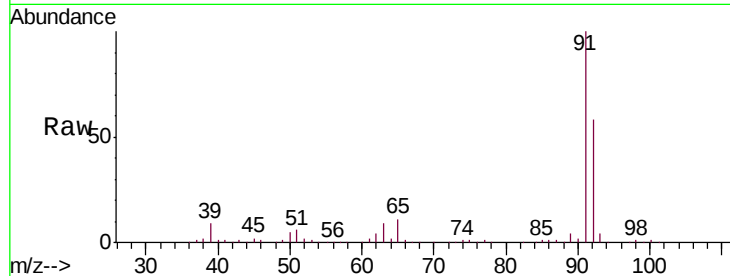
VSTD01036

Tgt Ion: 91 Resp: 780700

Ion Ratio Lower Upper

91 100

92 58.0 41.3 76.7



Abundance Ion 91.15 (90.85 to 91.85): VV010455.D (-1879) (-)

Ion 92.15 (91.85 to 92.85): VV010455.D (-1879) (-)

7.43

400000

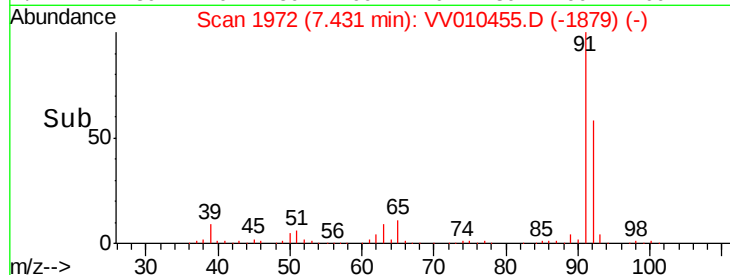
300000

200000

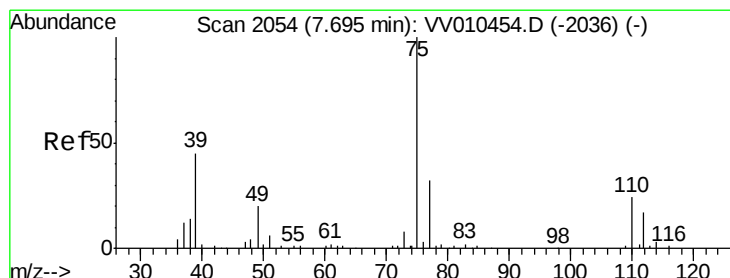
100000

0

Time-->



Time-->



#44

trans-1,3-Dichloropropene

Concen: 11.539 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VV010455.D

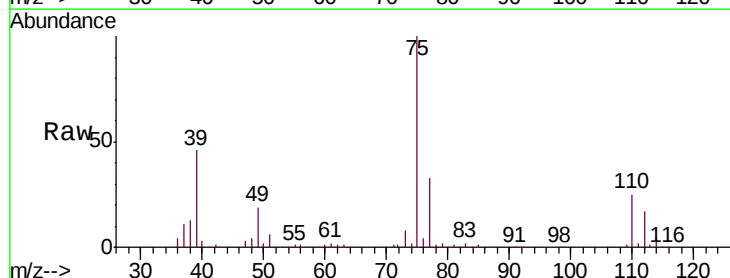
Acq: 24 Apr 2019 11:51

Tgt Ion: 75 Resp: 196073

Ion Ratio Lower Upper

75 100

77 32.9 22.1 41.1



Abundance Ion 75.05 (74.75 to 75.75): VV010455.D (-1961) (-)

Ion 77.05 (76.75 to 77.75): VV010455.D (-1961) (-)

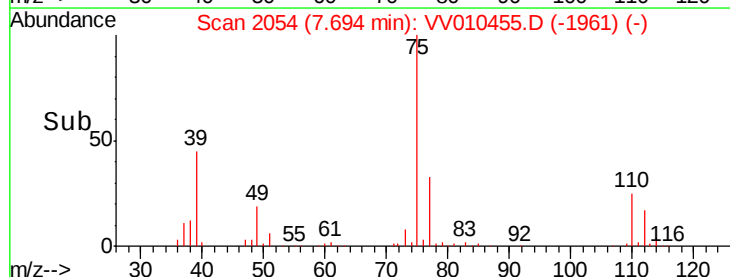
7.69

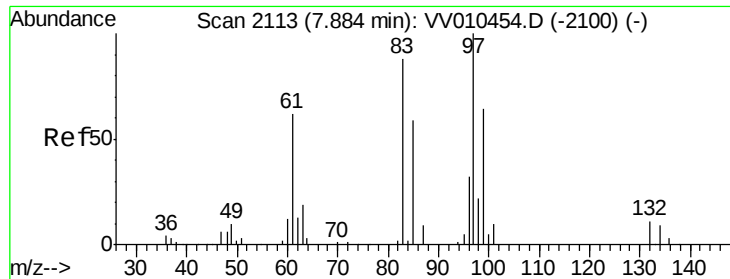
100000

50000

0

Time-->

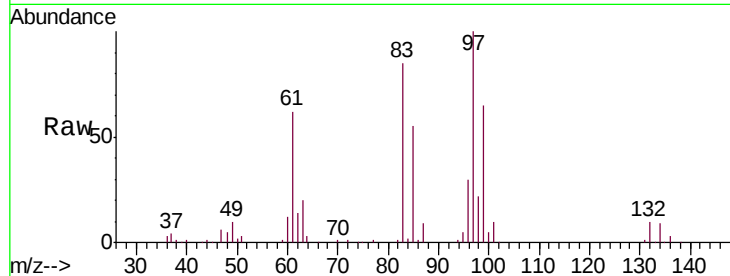




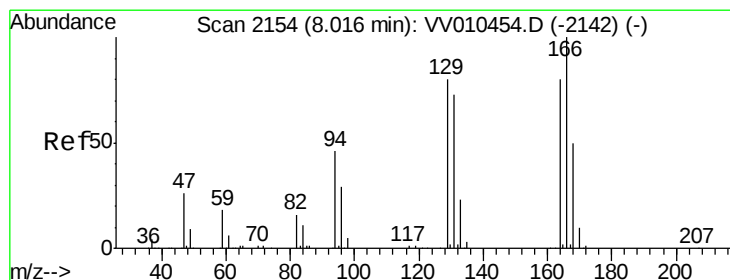
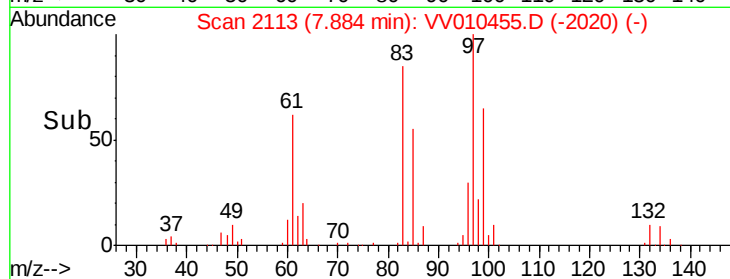
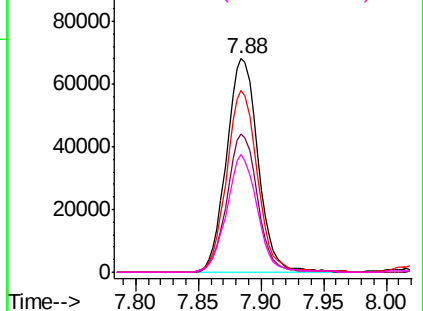
#45
 1,1,2-Trichloroethane
 Concen: 9.651 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VV010455.D
 Acq: 24 Apr 2019 11:51

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01036

Tgt Ion: 97 Resp: 119171
 Ion Ratio Lower Upper
 97 100
 99 64.9 45.1 83.7
 83 85.2 61.7 114.7
 85 55.0 41.2 76.4

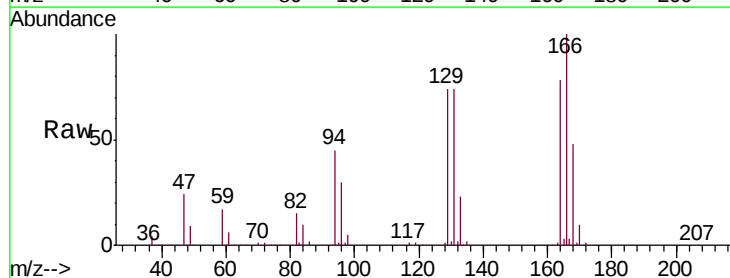


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

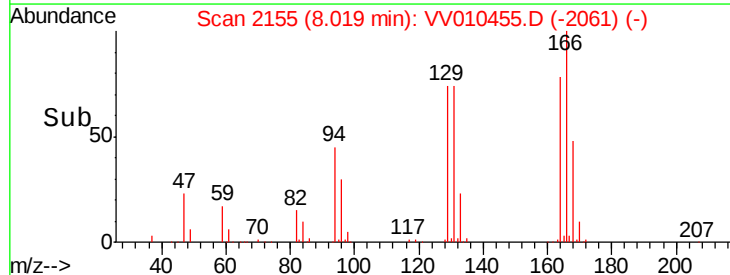
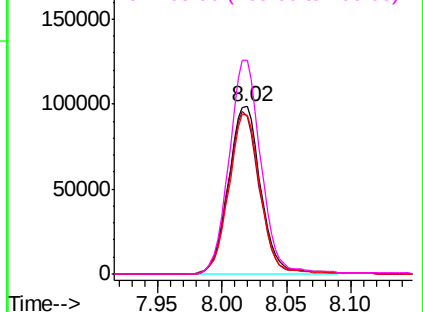


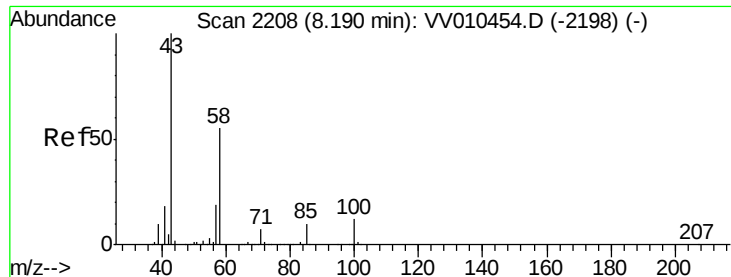
#47
 Tetrachloroethene
 Concen: 10.023 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV010455.D
 Acq: 24 Apr 2019 11:51

Tgt Ion: 164 Resp: 171835
 Ion Ratio Lower Upper
 164 100
 129 94.4 69.7 129.4
 131 94.9 63.8 118.6
 166 127.7 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

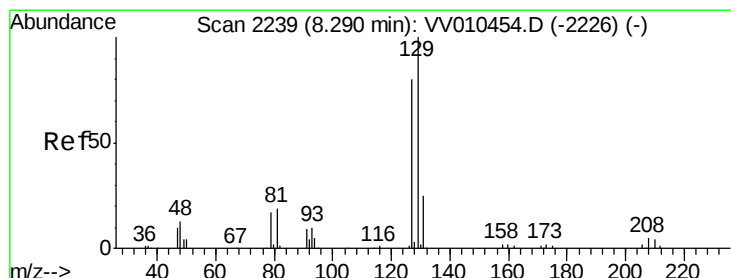
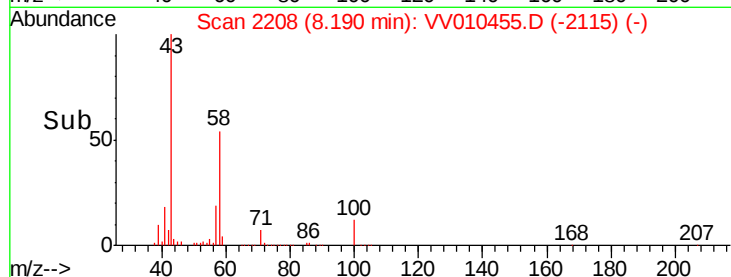
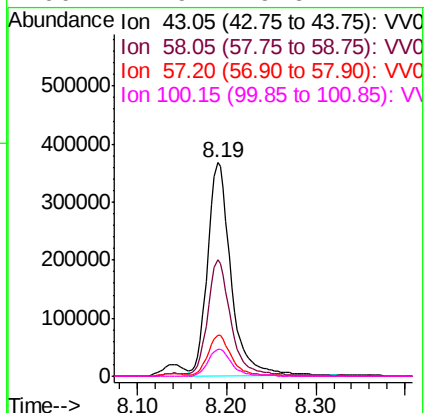
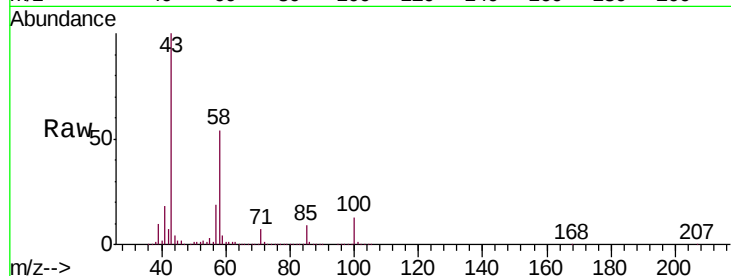




#48
2-Hexanone
Concen: 116.544 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VV010455.D
Acq: 24 Apr 2019 11:51

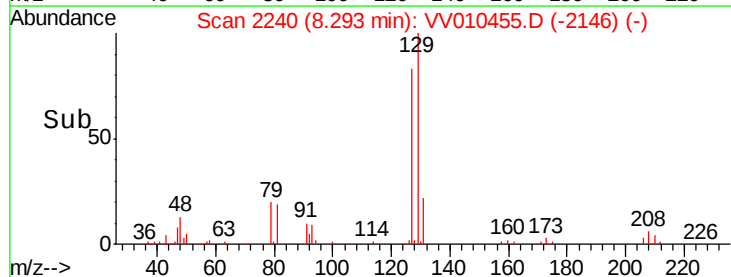
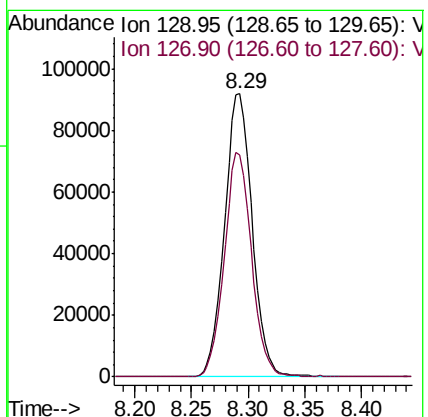
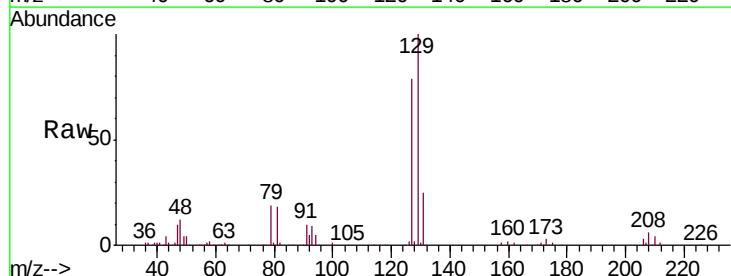
Instrument :
MSVOA_V
ClientSampleId :
VSTD01036

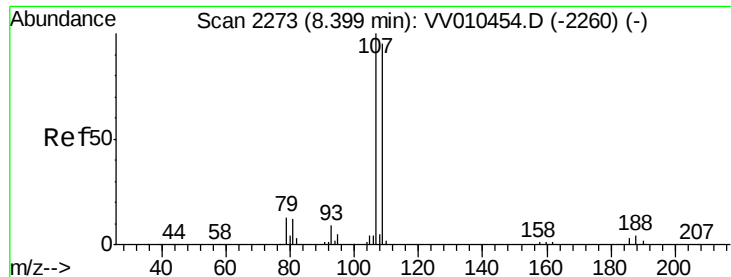
Tgt Ion: 43 Resp: 670802
Ion Ratio Lower Upper
43 100
58 54.3 42.2 63.4
57 19.6 15.3 22.9
100 12.9 9.6 14.4



#49
Dibromochloromethane
Concen: 10.575 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV010455.D
Acq: 24 Apr 2019 11:51

Tgt Ion: 129 Resp: 156943
Ion Ratio Lower Upper
129 100
127 78.5 56.1 104.1

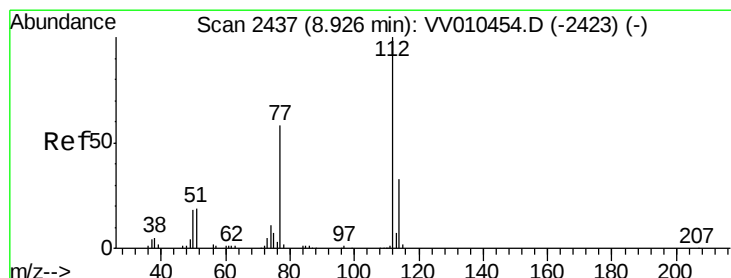
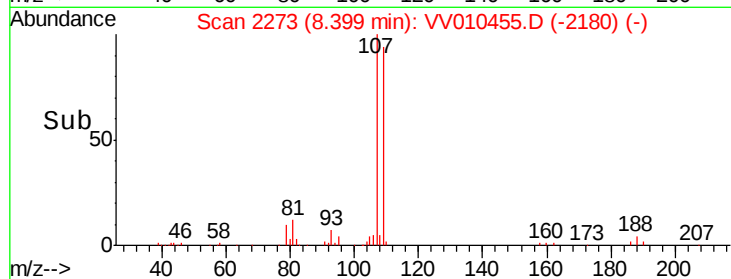
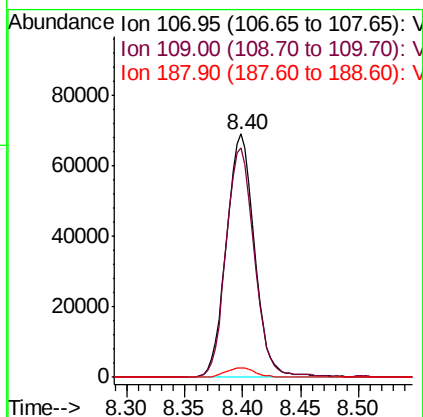
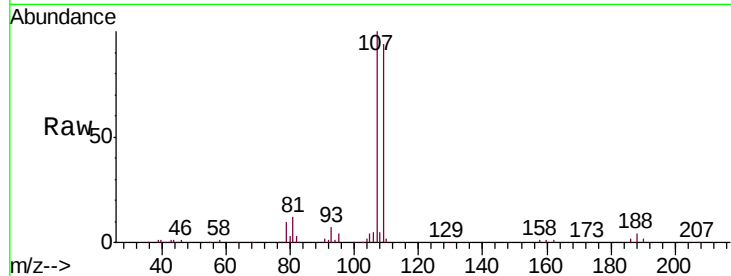




#50
1,2-Dibromoethane
Concen: 10.329 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VV010455.D
Acq: 24 Apr 2019 11:51

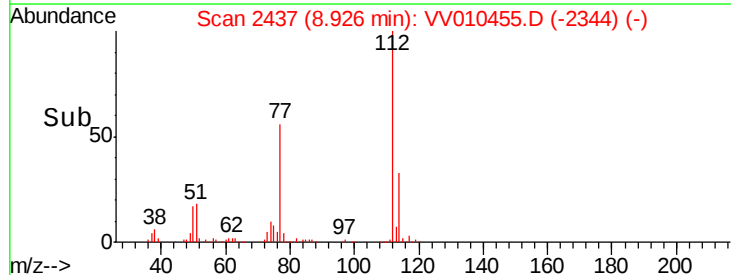
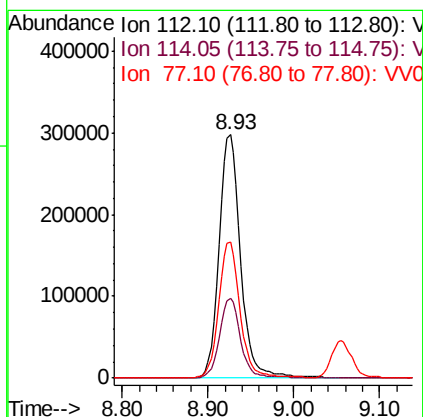
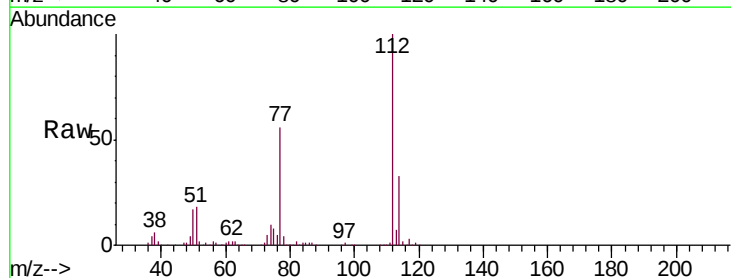
Instrument :
MSVOA_V
ClientSampleId :
VSTD01036

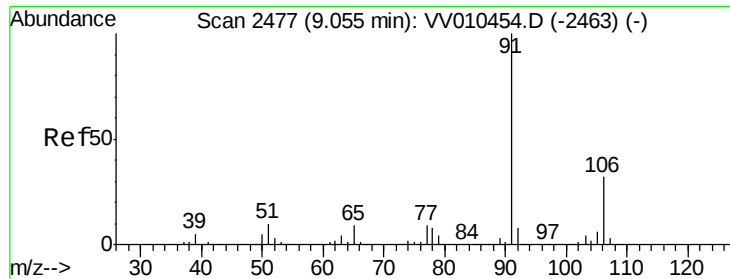
Tgt Ion:107 Resp: 115984
Ion Ratio Lower Upper
107 100
109 94.3 66.1 122.8
188 3.9 3.4 5.0



#51
Chlorobenzene
Concen: 10.165 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. -0.00 min
Lab File: VV010455.D
Acq: 24 Apr 2019 11:51

Tgt Ion:112 Resp: 518253
Ion Ratio Lower Upper
112 100
114 32.7 23.0 42.6
77 55.7 46.8 70.2

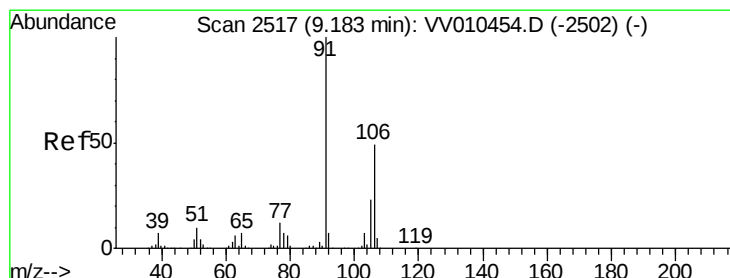
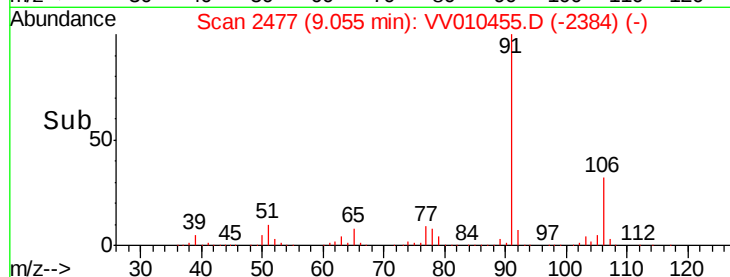
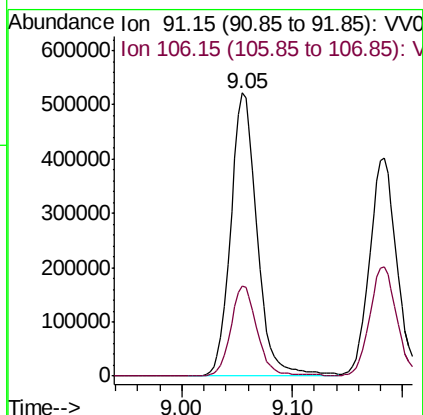
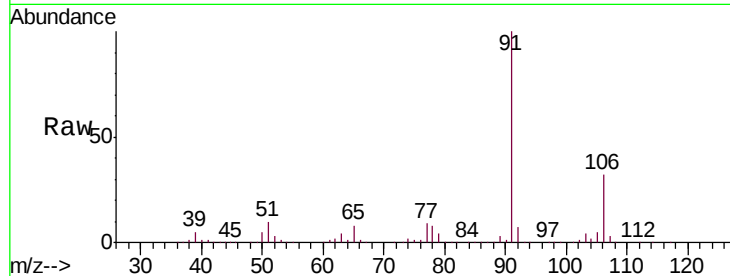




#52
Ethylbenzene
Concen: 10.670 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. -0.00 min
Lab File: VV010455.D
Acq: 24 Apr 2019 11:51

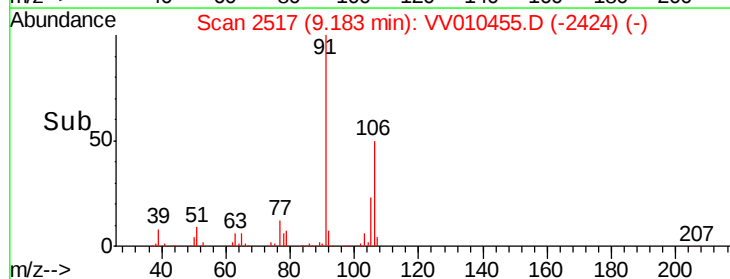
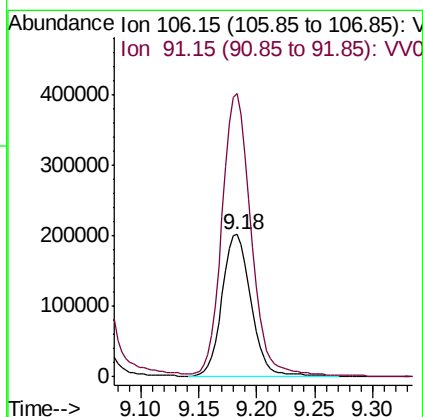
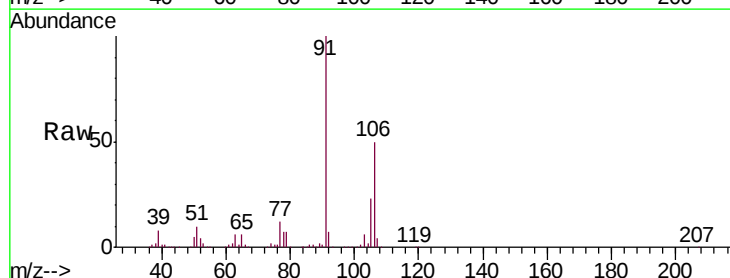
Instrument :
MSVOA_V
ClientSampleId :
VSTD01036

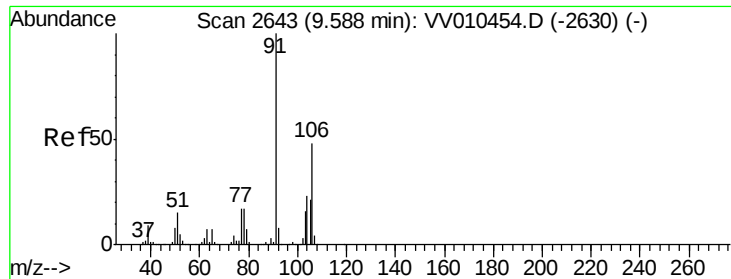
Tgt Ion: 91 Resp: 868877
Ion Ratio Lower Upper
91 100
106 31.9 22.4 41.6



#53
m,p-xylene
Concen: 10.894 ug/L
RT: 9.18 min Scan# 2517
Delta R.T. -0.00 min
Lab File: VV010455.D
Acq: 24 Apr 2019 11:51

Tgt Ion: 106 Resp: 346073
Ion Ratio Lower Upper
106 100
91 198.8 142.9 265.3





#54

o-xylene

Concen: 11.095 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VV010455.D

Acq: 24 Apr 2019 11:51

Instrument :

MSVOA_V

ClientSampleId :

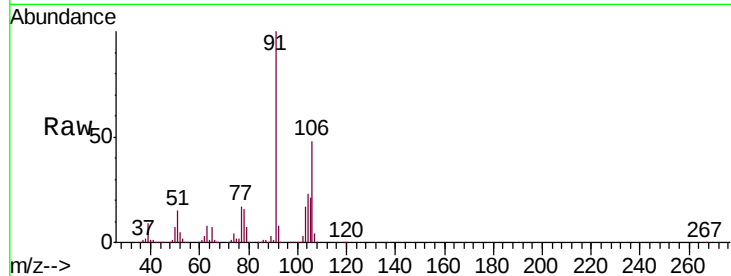
VSTD01036

Tgt Ion:106 Resp: 340656

Ion Ratio Lower Upper

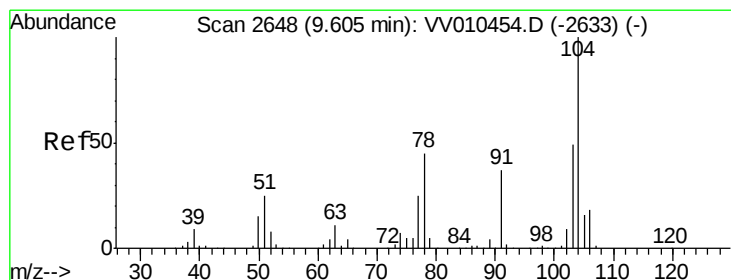
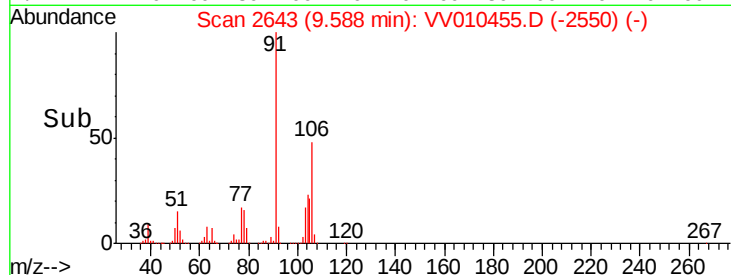
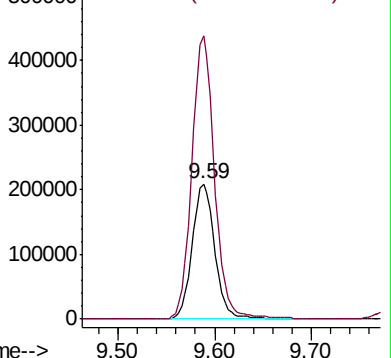
106 100

91 209.1 147.5 273.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 11.250 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. -0.00 min

Lab File: VV010455.D

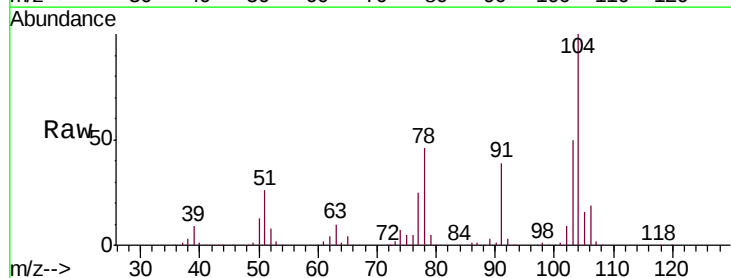
Acq: 24 Apr 2019 11:51

Tgt Ion:104 Resp: 557298

Ion Ratio Lower Upper

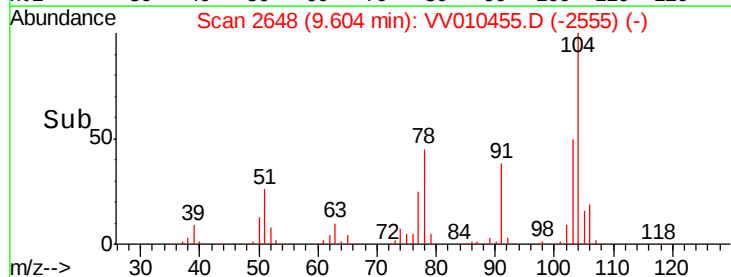
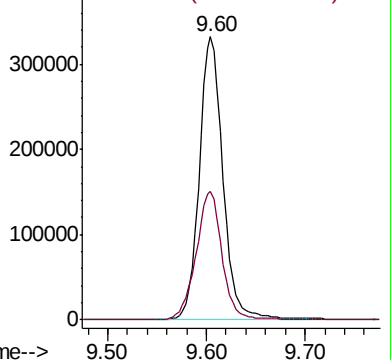
104 100

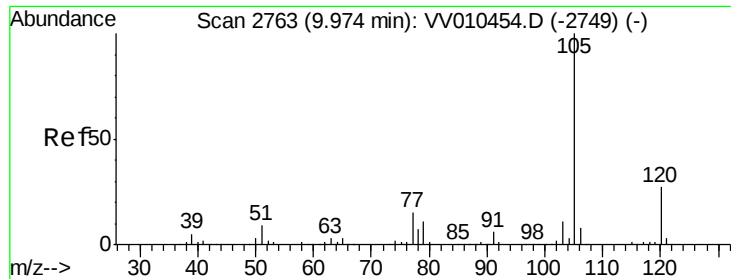
78 45.5 31.4 58.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 11.075 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV010455.D

Acq: 24 Apr 2019 11:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD01036

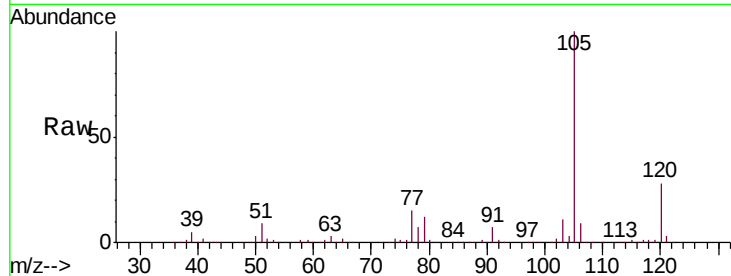
Tgt Ion: 105 Resp: 905077

Ion Ratio Lower Upper

105 100

120 27.2 21.9 32.9

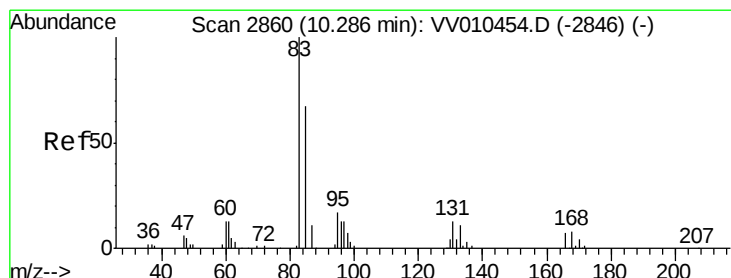
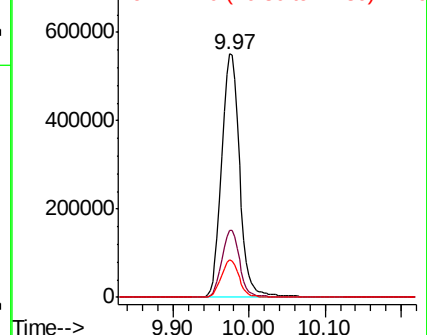
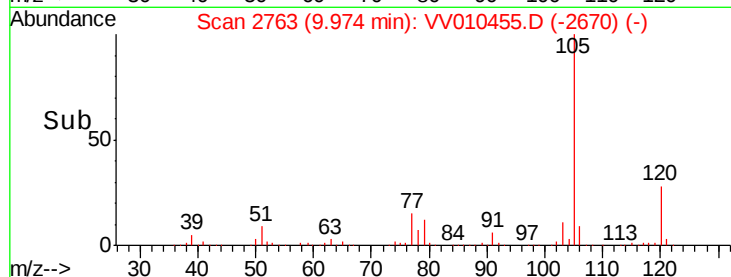
77 15.3 11.9 17.9



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: 10.332 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV010455.D

Acq: 24 Apr 2019 11:51

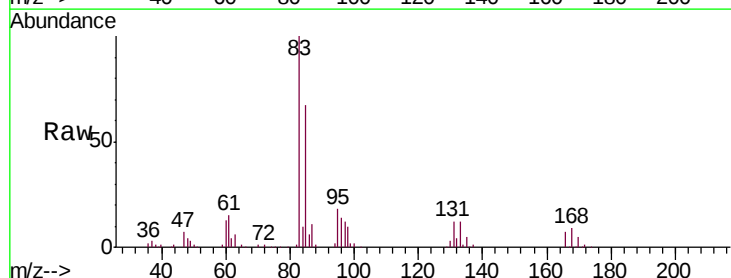
Tgt Ion: 83 Resp: 138855

Ion Ratio Lower Upper

83 100

85 66.7 46.9 87.1

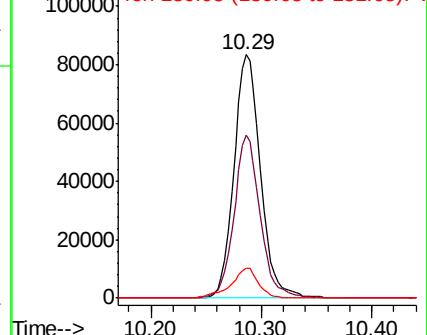
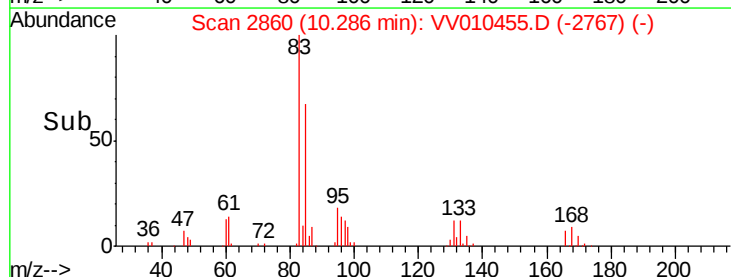
131 12.3 10.3 15.5

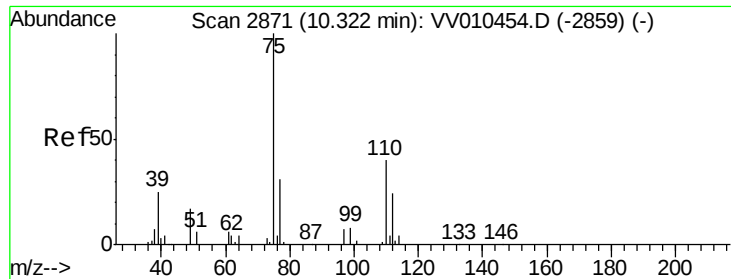


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

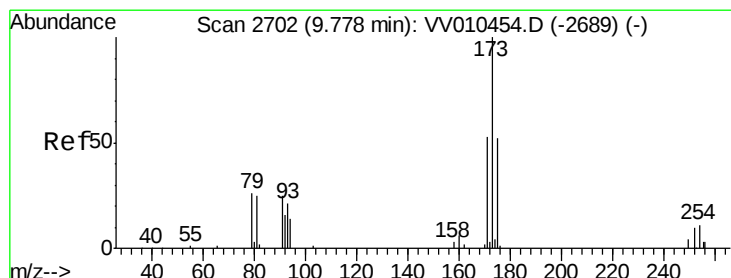
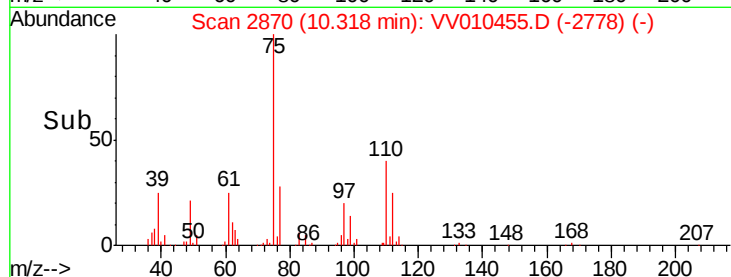
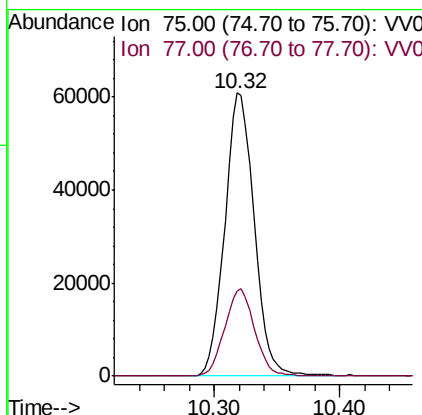
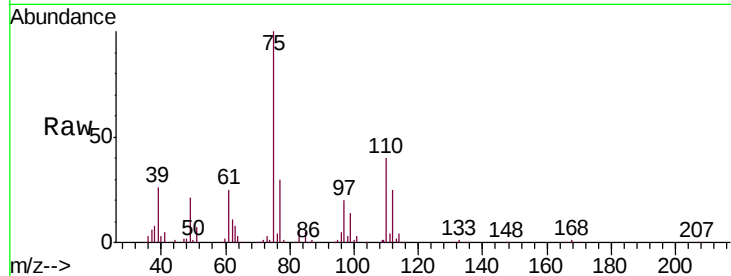




#59
 1,2,3-Trichloropropane
 Concen: 10.319 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VV010455.D
 Acq: 24 Apr 2019 11:51

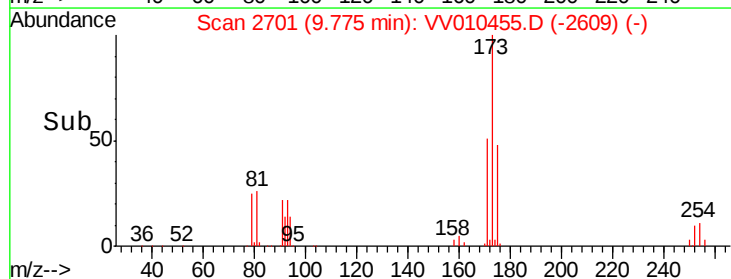
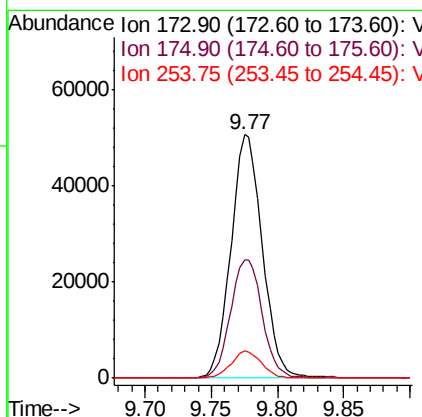
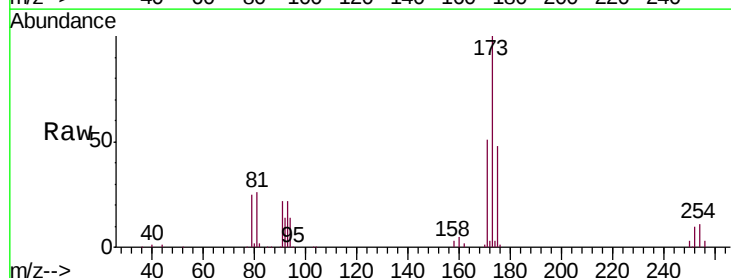
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01036

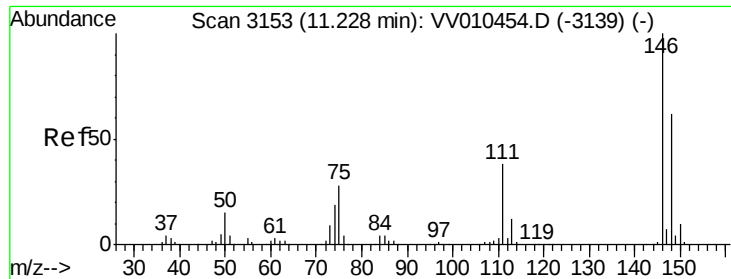
Tgt Ion: 75 Resp: 99166
 Ion Ratio Lower Upper
 75 100
 77 30.5 25.9 38.9



#61
 Bromoform
 Concen: 10.260 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. -0.00 min
 Lab File: VV010455.D
 Acq: 24 Apr 2019 11:51

Tgt Ion: 173 Resp: 82980
 Ion Ratio Lower Upper
 173 100
 175 49.1 38.9 58.3
 254 10.7 8.1 12.1





#62

1,3-Dichlorobenzene

Concen: 10.010 ug/L

RT: 11.22 min Scan# 3152

Delta R.T. -0.00 min

Lab File: VV010455.D

Acq: 24 Apr 2019 11:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD01036

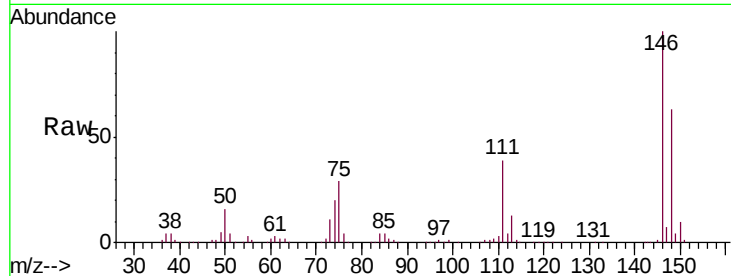
Tgt Ion:146 Resp: 421497

Ion Ratio Lower Upper

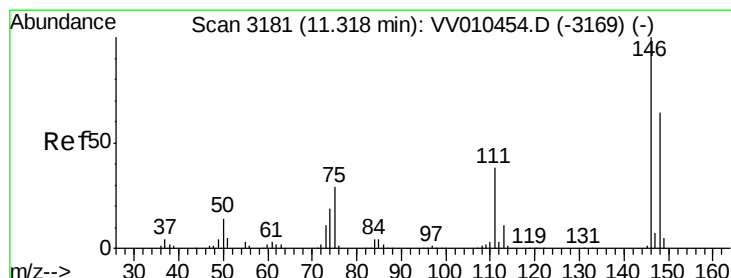
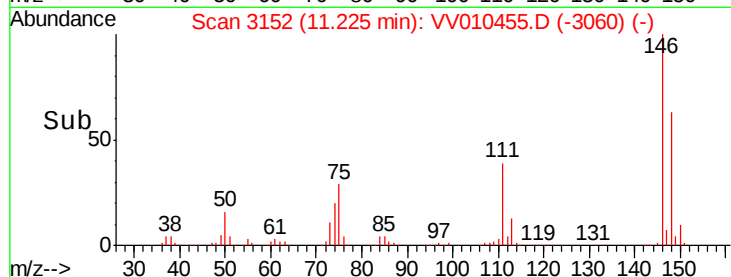
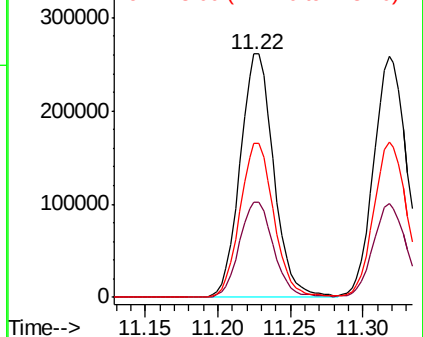
146 100

111 39.2 26.3 48.9

148 63.3 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: 10.035 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. -0.00 min

Lab File: VV010455.D

Acq: 24 Apr 2019 11:51

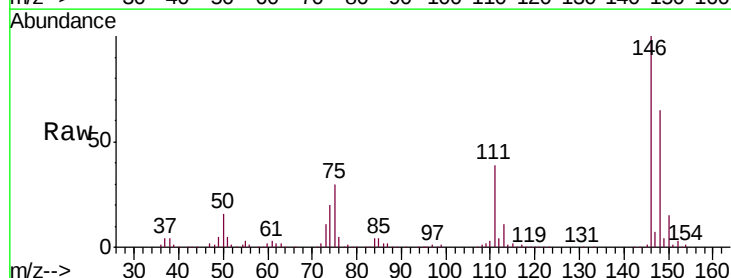
Tgt Ion:146 Resp: 425679

Ion Ratio Lower Upper

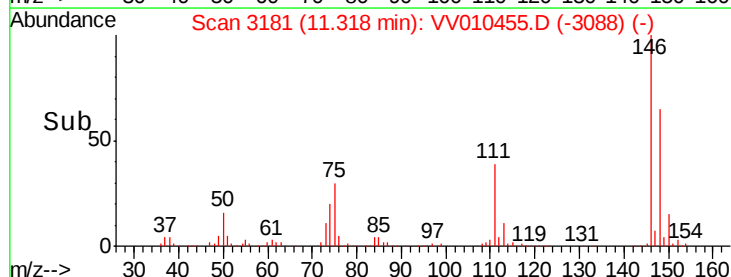
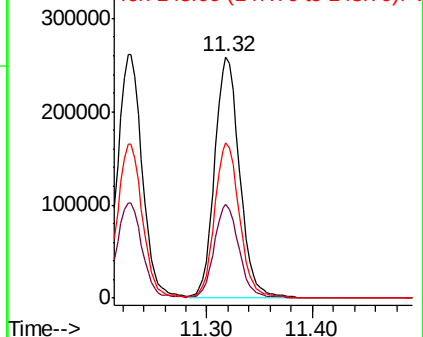
146 100

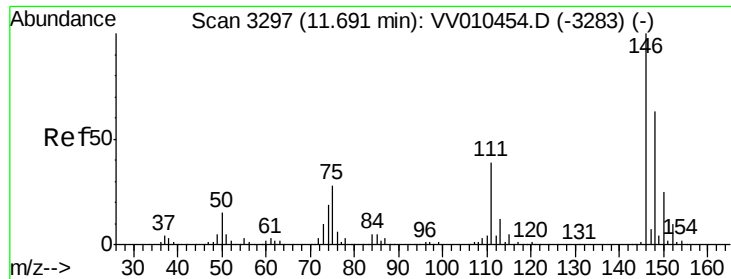
111 39.0 26.6 49.4

148 64.6 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: 10.098 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VV010455.D

Acq: 24 Apr 2019 11:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD01036

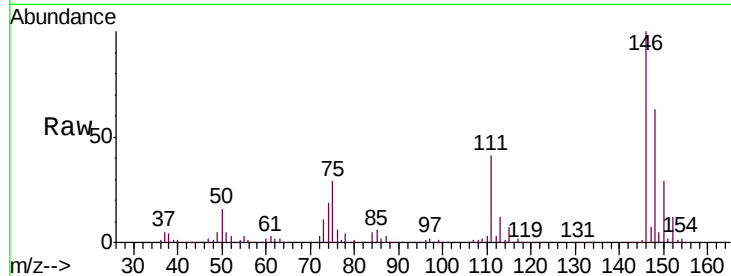
Tgt Ion: 146 Resp: 399346

Ion Ratio Lower Upper

146 100

111 40.6 31.6 47.4

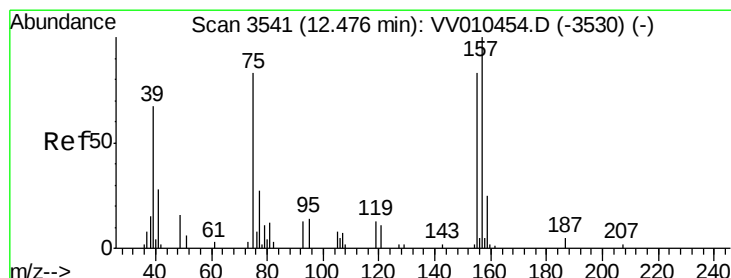
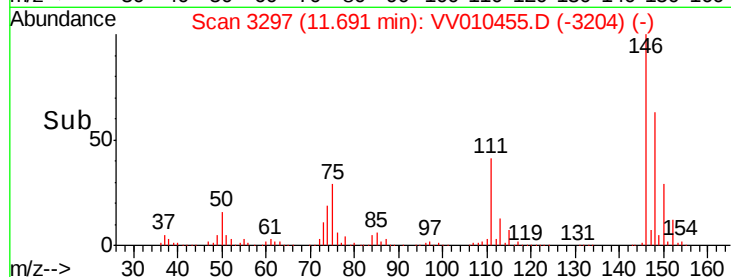
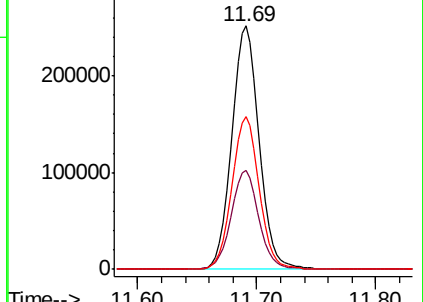
148 62.5 50.2 75.4



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: 10.956 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. -0.00 min

Lab File: VV010455.D

Acq: 24 Apr 2019 11:51

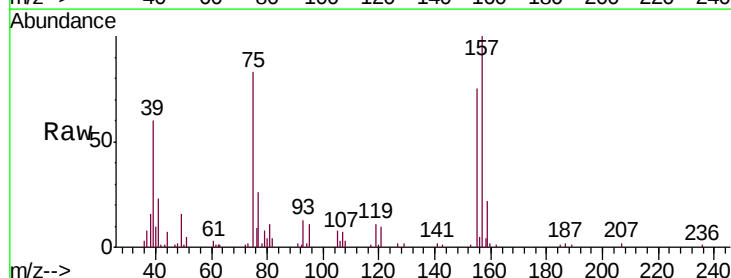
Tgt Ion: 75 Resp: 20567

Ion Ratio Lower Upper

75 100

155 91.4 80.3 120.5

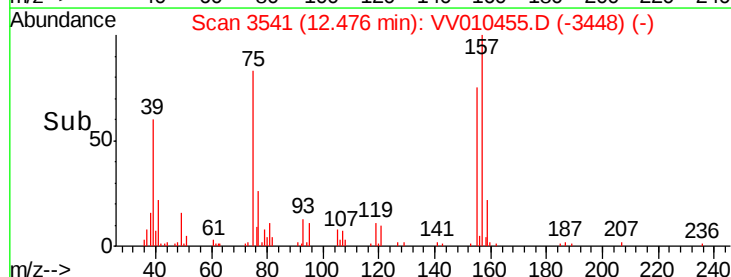
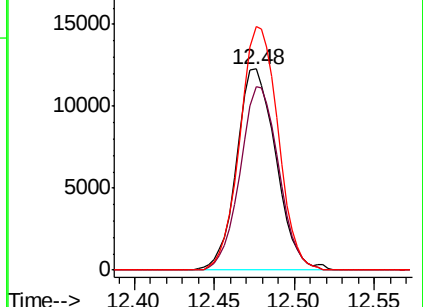
157 121.2 96.7 145.1

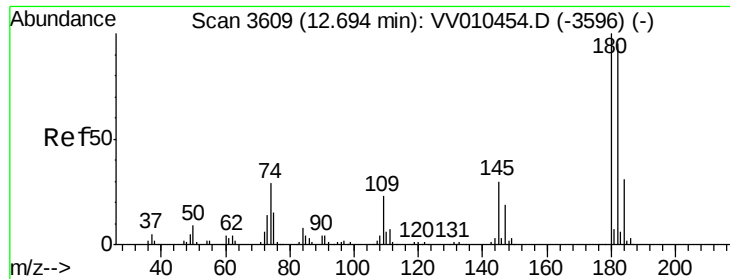


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

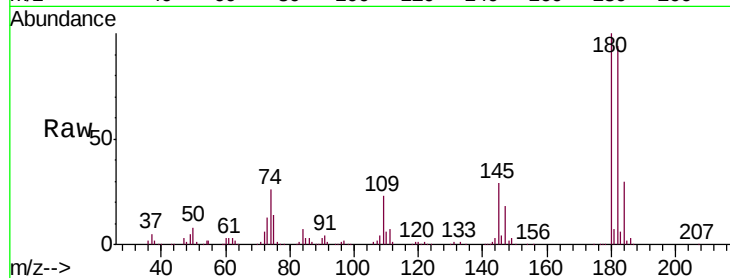




#67
 1,3,5-Trichlorobenzene
 Concen: 10.937 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV010455.D
 Acq: 24 Apr 2019 11:51

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01036

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.5	74.8	112.2
184	30.1	24.0	36.0
145	29.5	23.7	35.5



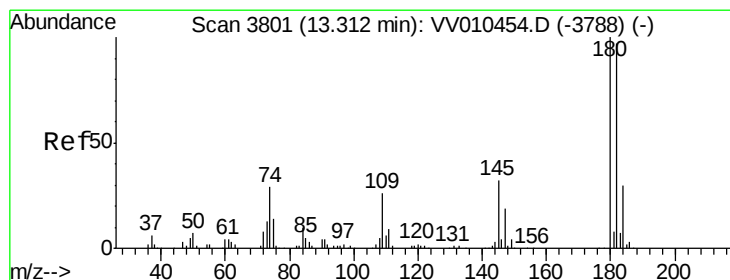
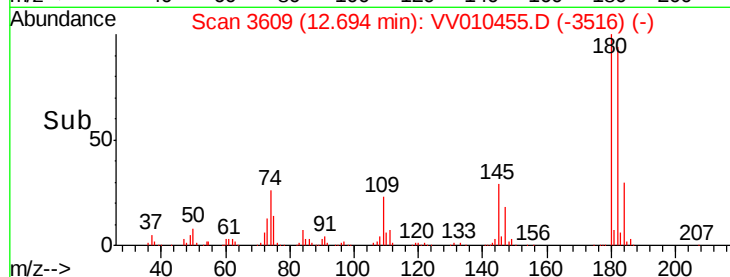
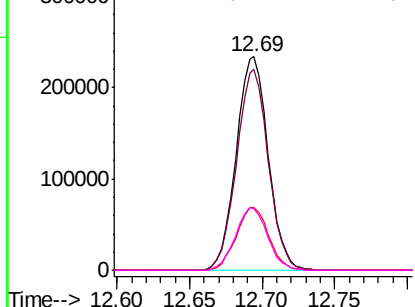
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

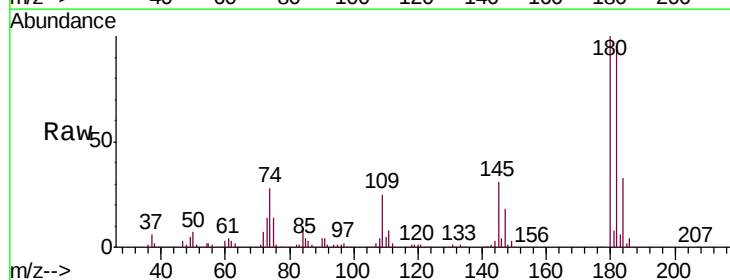
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 11.852 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV010455.D
 Acq: 24 Apr 2019 11:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.3	114.5
145	30.9	24.5	36.7

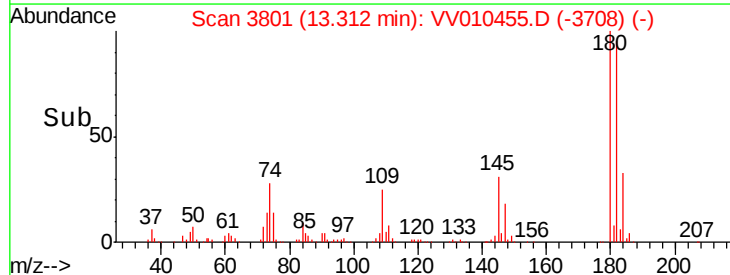
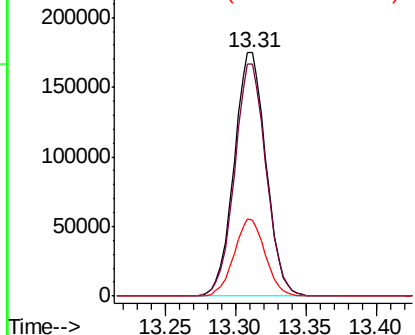


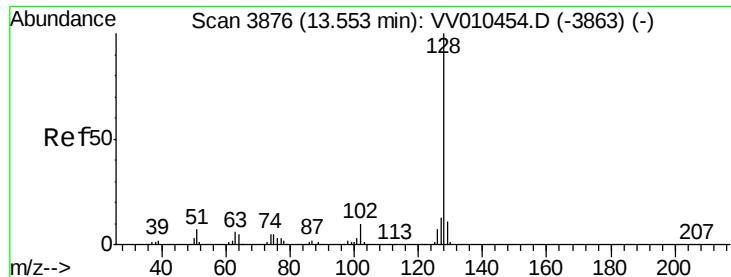
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 14.478 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. -0.00 min

Lab File: VV010455.D

Acq: 24 Apr 2019 11:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD01036

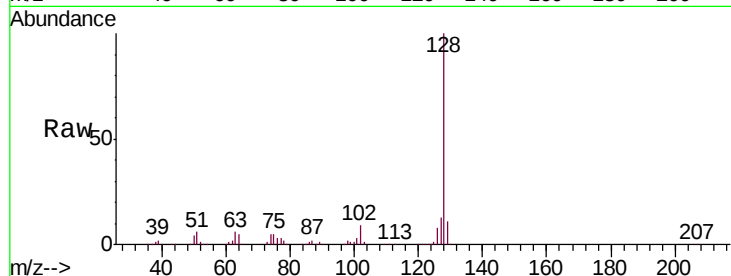
Tgt Ion:128 Resp: 410700

Ion Ratio Lower Upper

128 100

129 10.6 8.7 13.1

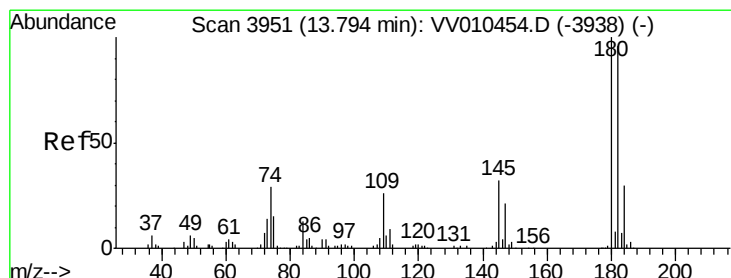
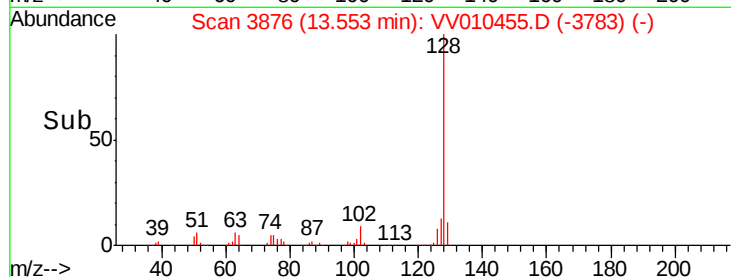
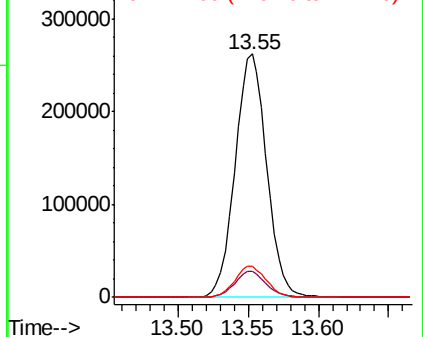
127 12.9 10.3 15.5



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: 11.932 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. -0.00 min

Lab File: VV010455.D

Acq: 24 Apr 2019 11:51

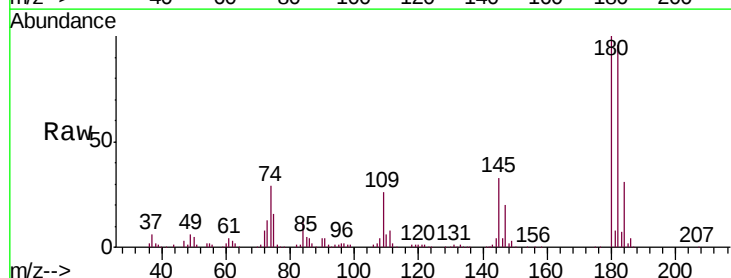
Tgt Ion:180 Resp: 253659

Ion Ratio Lower Upper

180 100

182 95.0 76.9 115.3

145 32.5 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

