

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW042219\
 Data File : VW010077.D
 Acq On : 22 Apr 2019 11:14
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

Quant Time: Apr 23 06:06:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 20 03:50:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	862226	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	785263	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	384103	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	193134	23.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.80%
7) Chloroethane-d5	2.89	69	152621	18.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.96%
10) 1,1-Dichloroethene-d2	4.01	63	562066	24.87	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	99.48%
20) 2-Butanone-d5	7.07	46	182368	41.37	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.74%
24) Chloroform-d	7.65	84	519352	20.83	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	83.32%
26) 1,2-Dichloroethane-d4	8.31	65	298190	19.28	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	77.12%
29) Benzene-d6	8.27	84	1000861	23.19	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.76%
33) 1,2-Dichloropropane-d6	9.27	67	307156	22.35	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.40%
37) Toluene-d8	10.32	98	919988	23.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.48%
38) trans-1,3-Dichloropropene-	10.58	79	147681	22.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.64%
39) 2-Hexanone-d5	10.93	63	139934	45.94	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.88%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	258861	20.13	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	80.52%
61) 1,2-Dichlorobenzene-d4	13.86	152	318975	22.09	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.36%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	317002	26.205	ug/L 94
3) Chloromethane	2.21	50	223575	20.277	ug/L 99
5) Vinyl chloride	2.37	62	285780	27.552	ug/L 98
6) Bromomethane	2.78	94	163504	21.345	ug/L 97
8) Chloroethane	2.92	64	163015	21.892	ug/L 99
9) Trichlorofluoromethane	3.25	101	157999	18.503	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	287947	25.899	ug/L 98
12) 1,1-Dichloroethene	4.03	96	281813	27.072	ug/L 93
13) Acetone	4.12	43	184471	47.065	ug/L 100
14) Carbon disulfide	4.37	76	827825	28.054	ug/L 99
15) Methyl Acetate	4.67	43	173863	21.978	ug/L 99
16) Methylene chloride	4.91	84	291902	18.697	ug/L 94
17) Methyl tert-butyl Ether	5.42	73	387034	25.405	ug/L 98
18) trans-1,2-Dichloroethene	5.42	96	301346	25.579	ug/L 96
19) 1,1-Dichloroethane	6.21	63	572344	24.373	ug/L 99
21) 2-Butanone	7.17	43	240178	46.797	ug/L 99
22) cis-1,2-Dichloroethene	7.16	96	321835	25.173	ug/L 97

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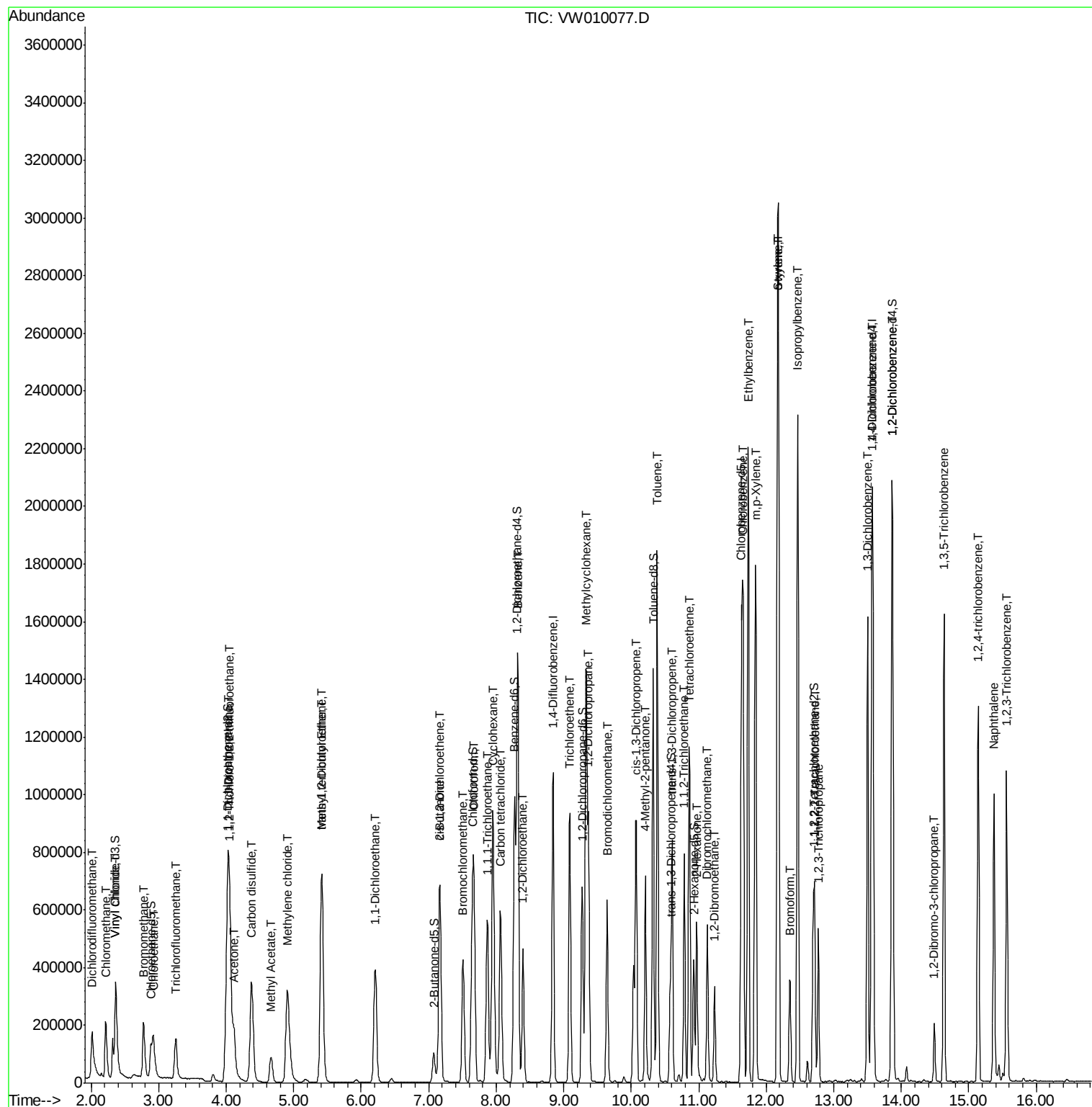
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	141122	23.702	ug/L	97
25) Chloroform	7.67	83	563437	23.449	ug/L	99
27) 1,2-Dichloroethane	8.40	62	409382	22.130	ug/L	98
30) Cyclohexane	7.95	56	547119	30.828	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	458585	27.963	ug/L	98
32) Carbon tetrachloride	8.06	117	446597	27.736	ug/L	100
34) Benzene	8.32	78	1233676	26.669	ug/L	100
35) Trichloroethene	9.09	95	320302	26.630	ug/L	98
36) Methylcyclohexane	9.34	83	565434	29.260	ug/L	98
40) 1,2-Dichloropropane	9.37	63	311277	25.443	ug/L	100
41) Bromodichloromethane	9.64	83	413810	24.775	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	505370	26.794	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	485658	48.200	ug/L	97
44) Toluene	10.38	91	1323439	26.967	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	421280	25.296	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	229518	24.055	ug/L	98
47) Tetrachloroethene	10.86	164	249412	26.546	ug/L	96
49) 2-Hexanone	10.97	43	361280	50.471	ug/L	100
50) Dibromochloromethane	11.13	129	274133	24.205	ug/L	98
51) 1,2-Dibromoethane	11.23	107	225542	24.149	ug/L	97
52) Chlorobenzene	11.66	112	812896	25.385	ug/L	98
53) Ethylbenzene	11.73	91	1498334	27.316	ug/L	99
54) m,p-Xylene	11.84	106	556904	27.757	ug/L	97
55) o-xylene	12.16	106	531802	27.636	ug/L	97
56) Styrene	12.18	104	904366	26.846	ug/L	100
57) Isopropylbenzene	12.46	105	1471049	28.700	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	291350	23.212	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	218852	23.299	ug/L	99
62) Bromoform	12.35	173	159009	23.573	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	622213	26.811	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	637508	25.564	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	573209	25.173	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	51773	22.468	ug/L	99
67) 1,3,5-Trichlorobenzene	14.63	180	469441	27.616	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	389019	27.936	ug/L	100
69) Naphthalene	15.38	128	831704	27.828	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	349618	26.313	ug/L	100

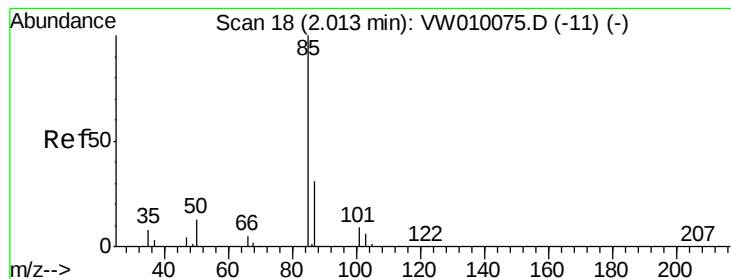
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 26.205 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW010077.D

Acq: 22 Apr 2019 11:14

Instrument :

MSVOA_W

ClientSampleId :

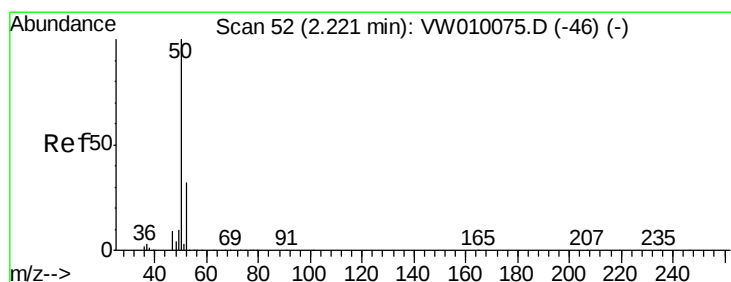
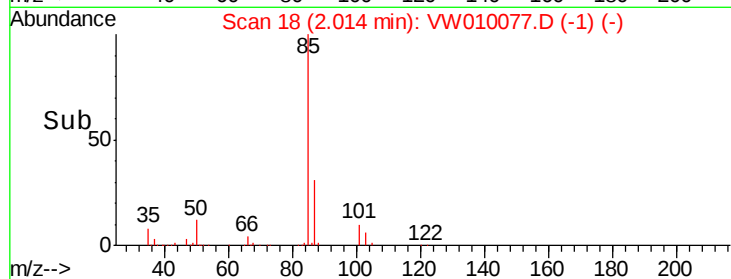
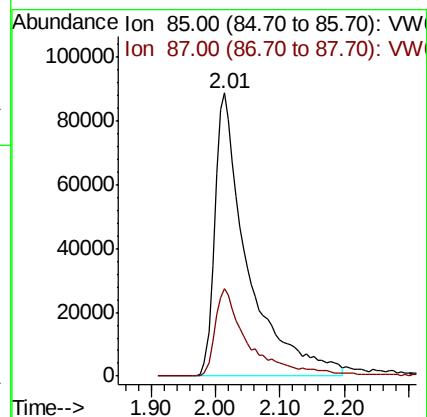
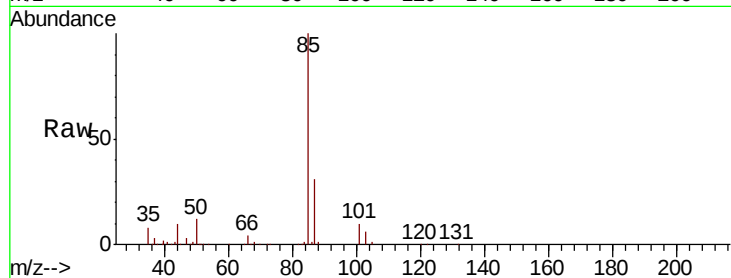
VSTD02509

Tgt Ion: 85 Resp: 317002

Ion Ratio Lower Upper

85 100

87 29.3 22.7 42.1



#3

Chloromethane

Concen: 20.277 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW010077.D

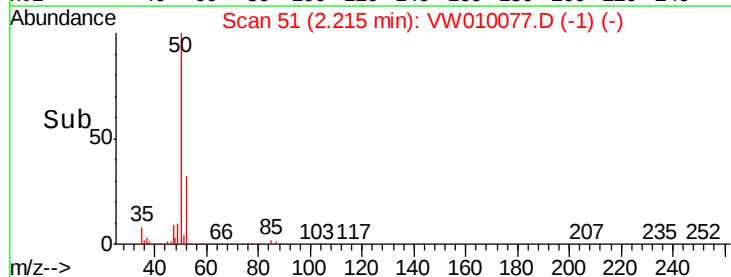
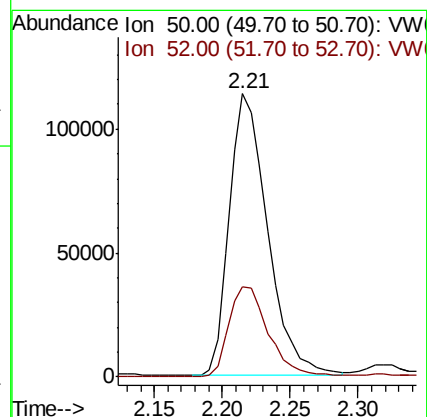
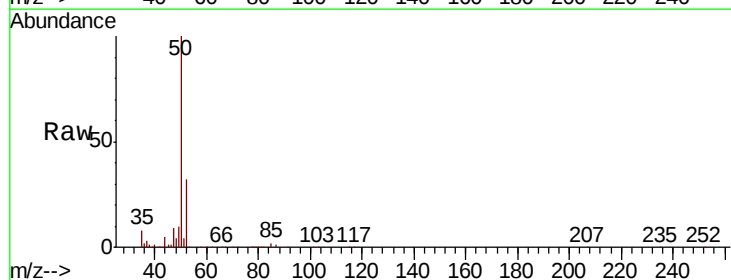
Acq: 22 Apr 2019 11:14

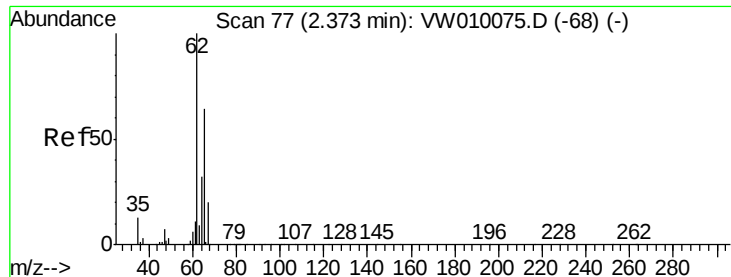
Tgt Ion: 50 Resp: 223575

Ion Ratio Lower Upper

50 100

52 31.8 22.7 42.1





#5

Vinyl chloride

Concen: 27.552 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW010077.D

Acq: 22 Apr 2019 11:14

Instrument :

MSVOA_W

ClientSampleId :

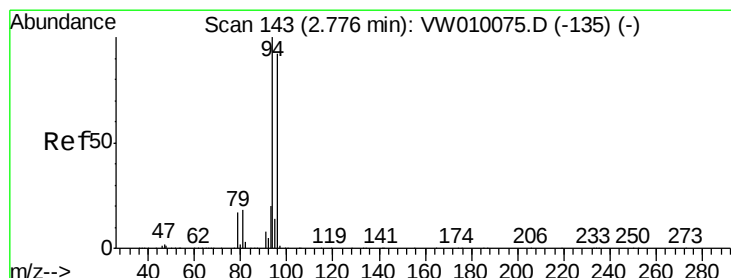
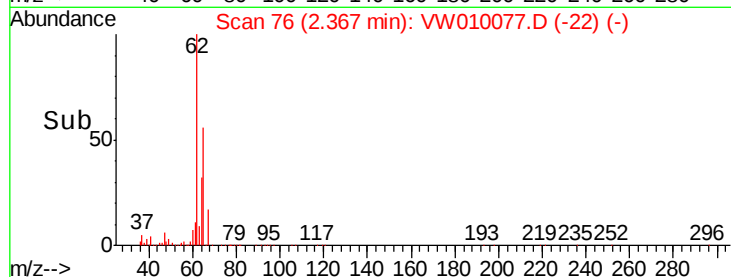
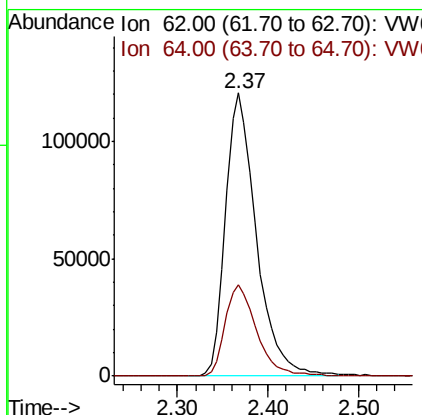
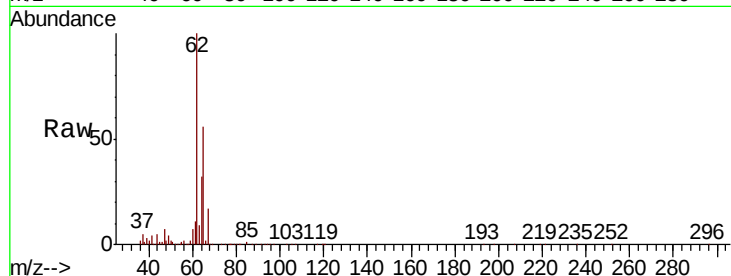
VSTD02509

Tgt Ion: 62 Resp: 285780

Ion Ratio Lower Upper

62 100

64 32.1 23.3 43.3



#6

Bromomethane

Concen: 21.345 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW010077.D

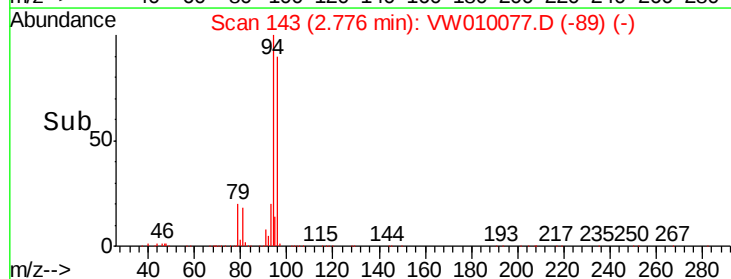
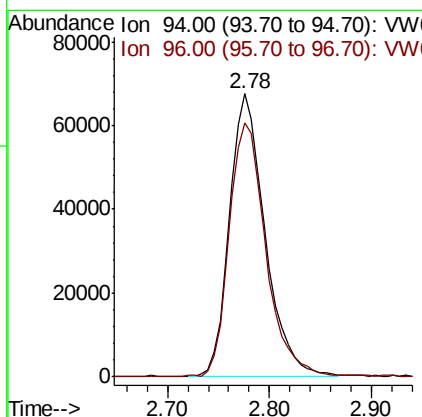
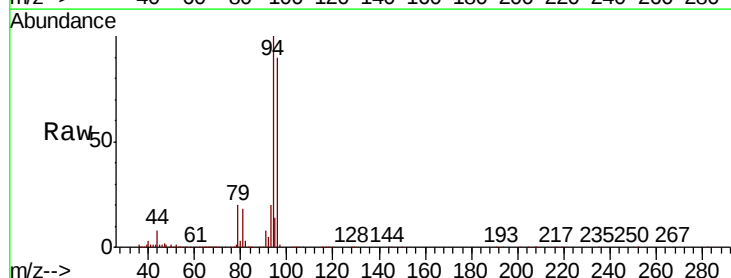
Acq: 22 Apr 2019 11:14

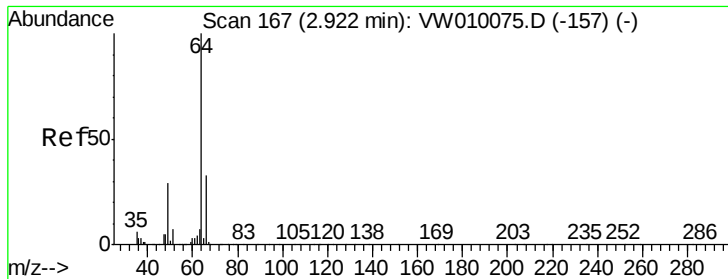
Tgt Ion: 94 Resp: 163504

Ion Ratio Lower Upper

94 100

96 91.9 9.5 180.3





#8

Chloroethane

Concen: 21.892 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW010077.D

Acq: 22 Apr 2019 11:14

Instrument :

MSVOA_W

ClientSampleId :

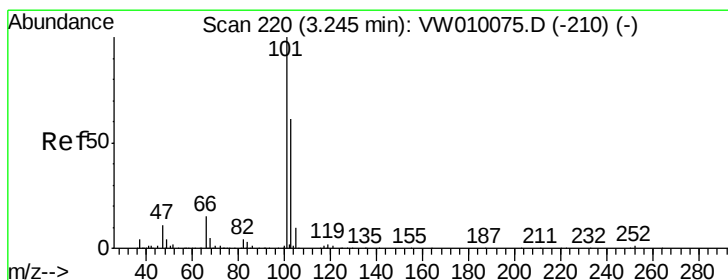
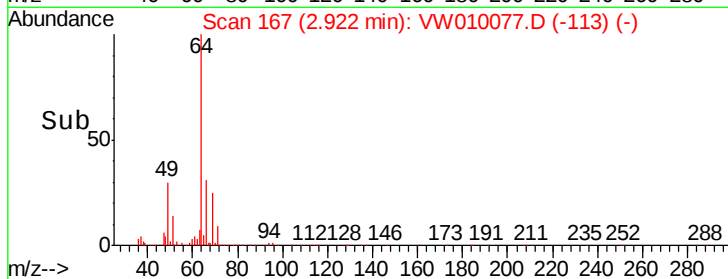
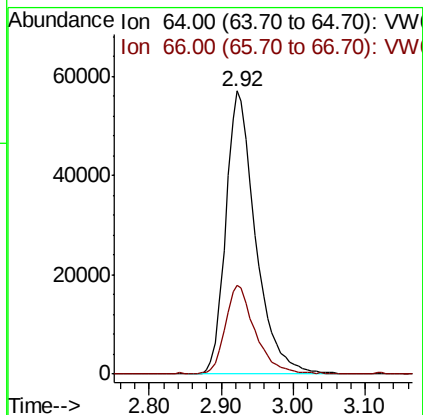
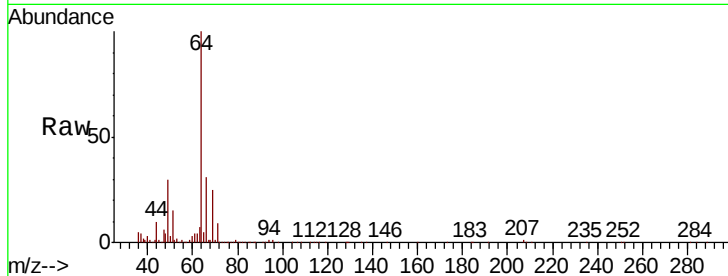
VSTD02509

Tgt Ion: 64 Resp: 163015

Ion Ratio Lower Upper

64 100

66 31.3 21.7 40.3



#9

Trichlorofluoromethane

Concen: 18.503 ug/L

RT: 3.25 min Scan# 221

Delta R.T. 0.01 min

Lab File: VW010077.D

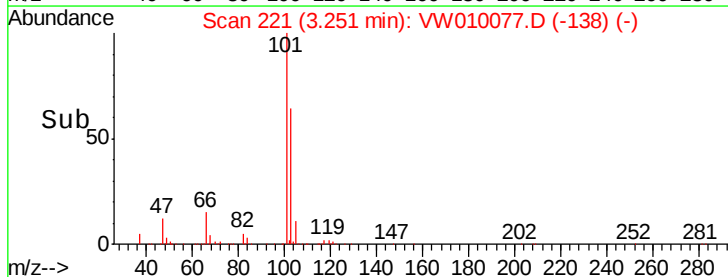
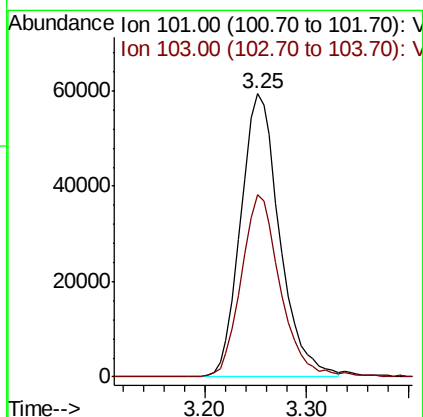
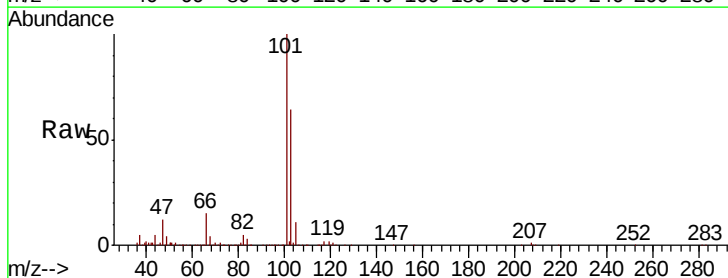
Acq: 22 Apr 2019 11:14

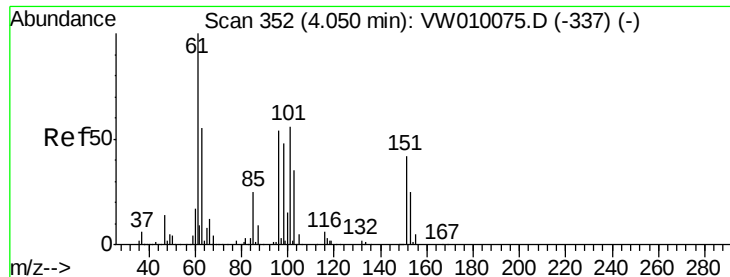
Tgt Ion: 101 Resp: 157999

Ion Ratio Lower Upper

101 100

103 63.9 44.5 82.7





#11

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

Concen: 25.899 ug/L

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW010077.D

Acq: 22 Apr 2019 11:14

Instrument :

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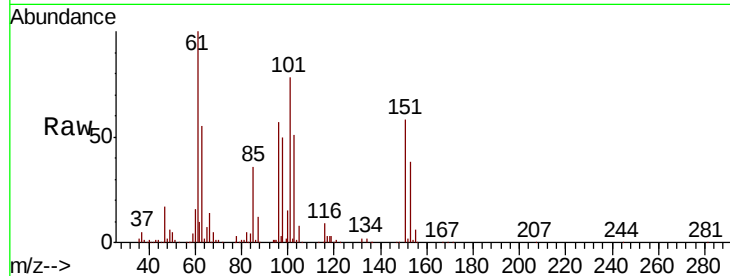
Tgt Ion:101 Resp: 287947

Ion Ratio Lower Upper

101 100

85 42.5 37.0 55.4

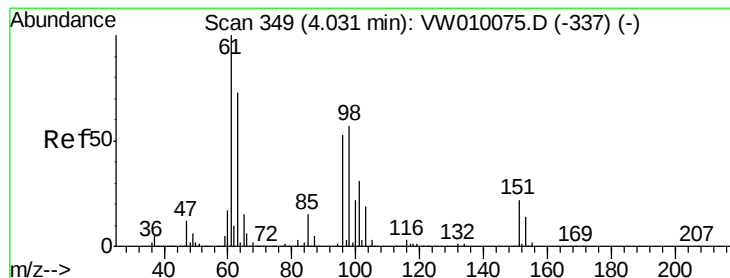
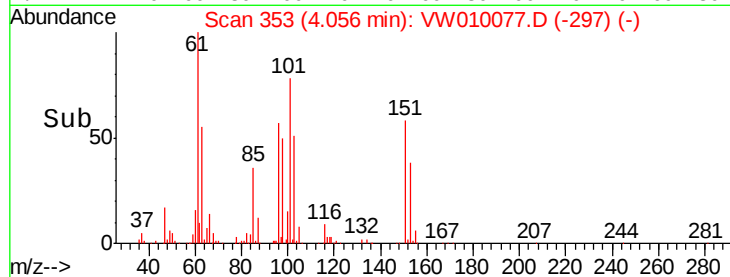
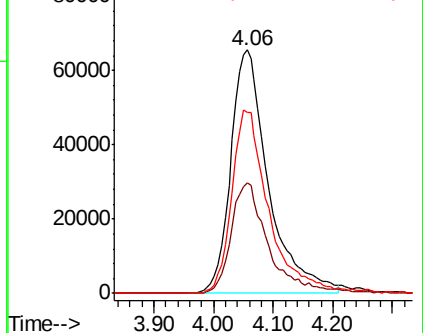
151 72.5 58.2 87.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 27.072 ug/L

RT: 4.03 min Scan# 349

Delta R.T. 0.01 min

Lab File: VW010077.D

Acq: 22 Apr 2019 11:14

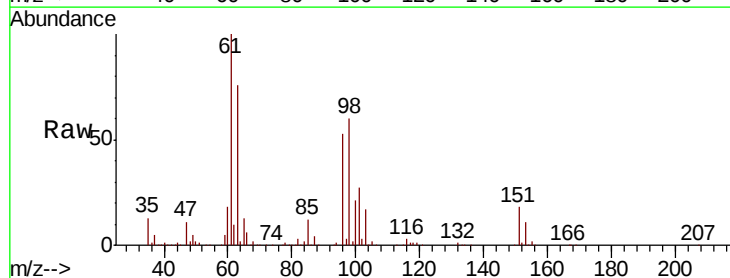
Tgt Ion: 96 Resp: 281813

Ion Ratio Lower Upper

96 100

61 187.3 131.2 243.6

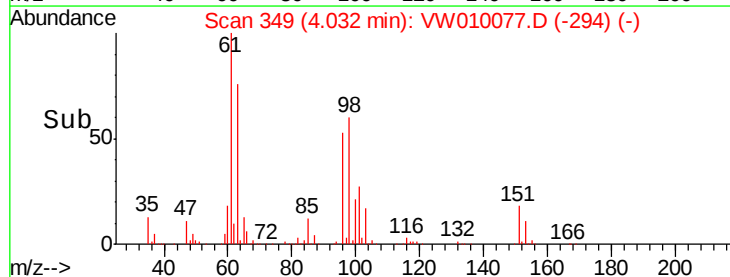
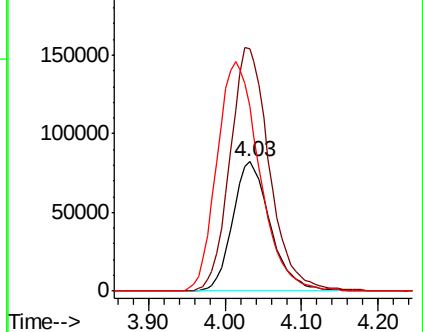
63 142.7 113.9 211.5

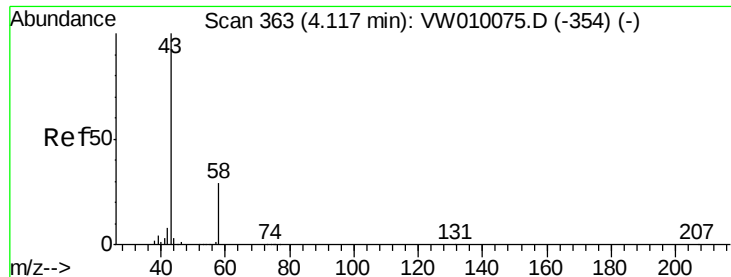


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 47.065 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

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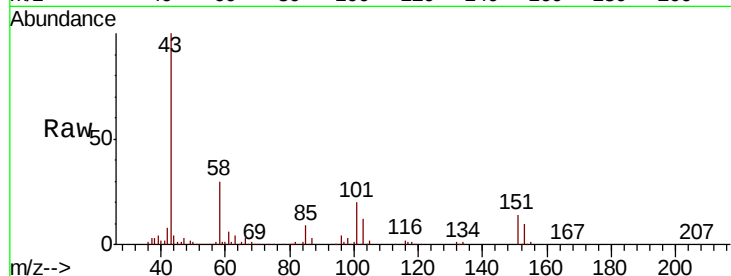
VSTD02509

Tgt Ion: 43 Resp: 184471

Ion Ratio Lower Upper

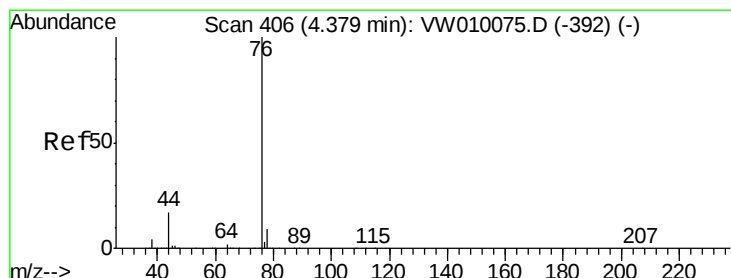
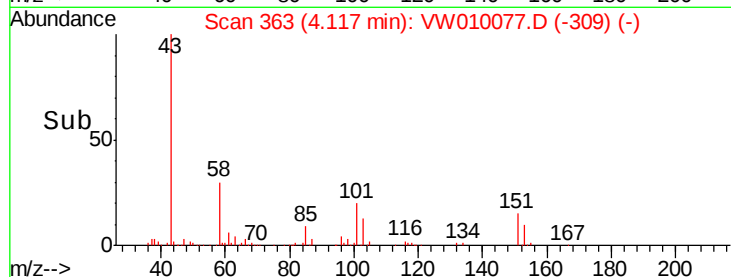
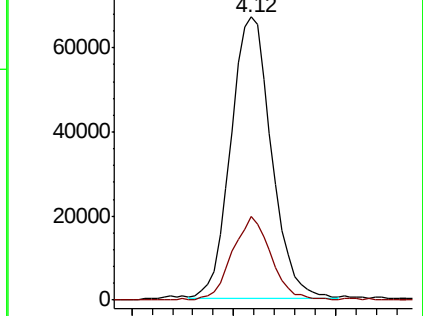
43 100

58 28.2 0.0 56.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 28.054 ug/L

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW010077.D

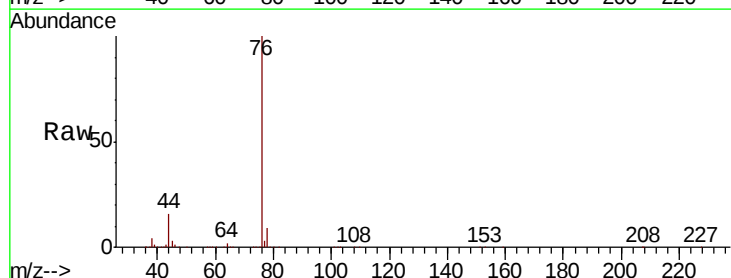
Acq: 22 Apr 2019 11:14

Tgt Ion: 76 Resp: 827825

Ion Ratio Lower Upper

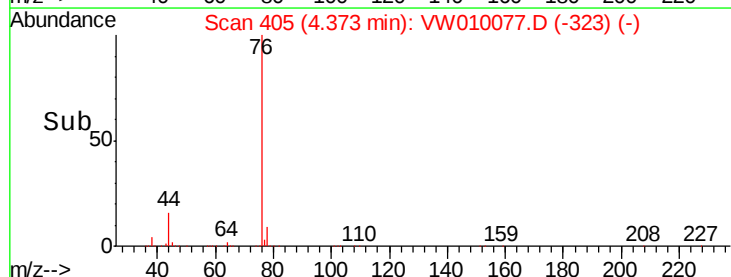
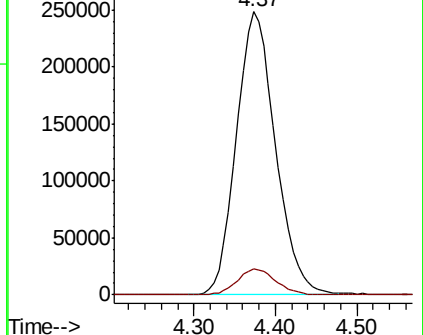
76 100

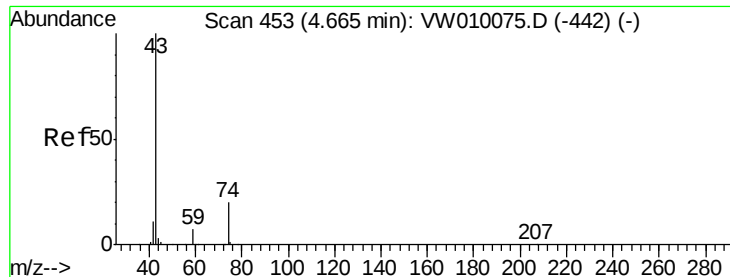
78 9.2 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

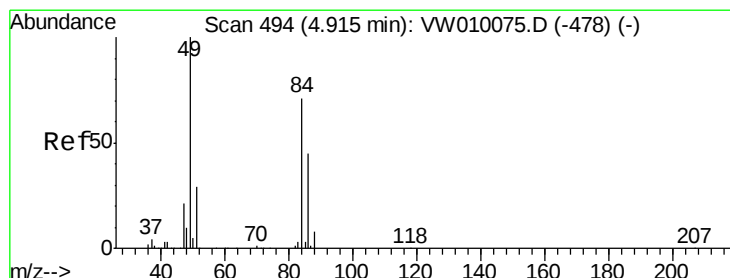
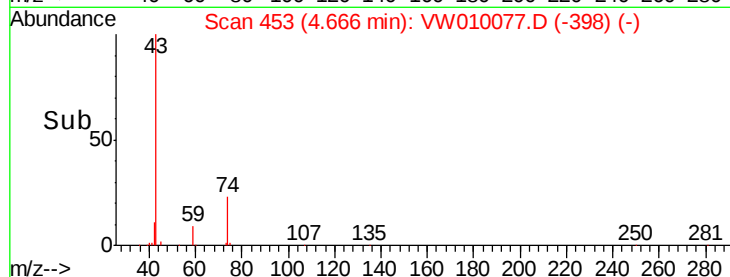
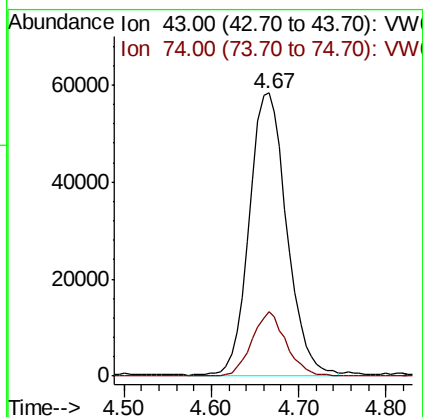
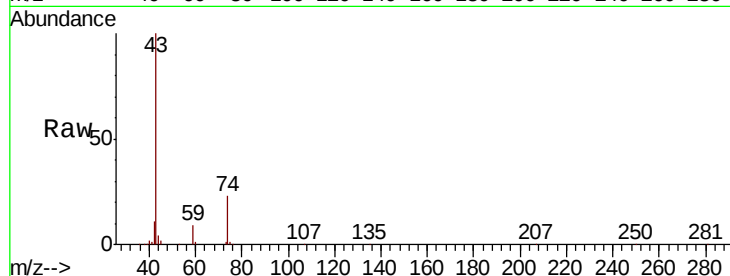




#15
Methyl Acetate
Concen: 21.978 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.01 min
Lab File: VW010077.D
Acq: 22 Apr 2019 11:14

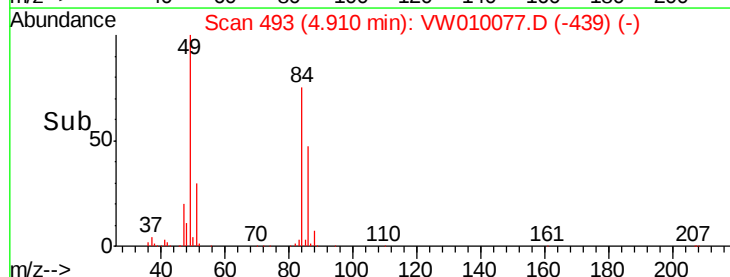
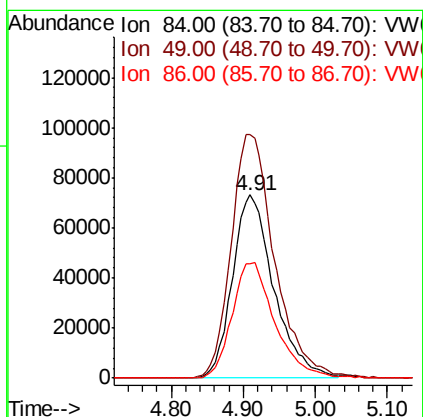
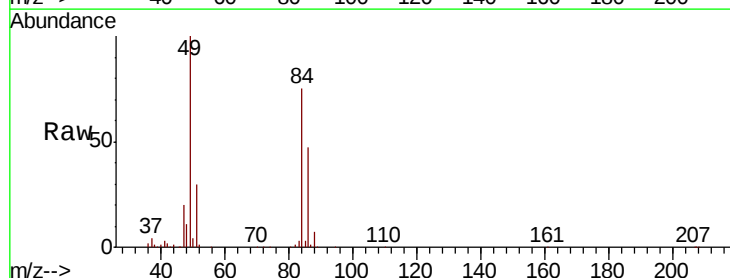
Instrument :
MSVOA_W
ClientSampleId :
VSTD02509

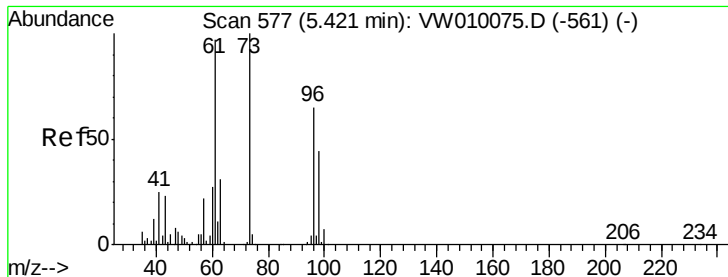
Tgt Ion: 43 Resp: 173863
Ion Ratio Lower Upper
43 100
74 20.9 16.2 24.4



#16
Methylene chloride
Concen: 18.697 ug/L
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW010077.D
Acq: 22 Apr 2019 11:14

Tgt Ion: 84 Resp: 291902
Ion Ratio Lower Upper
84 100
49 133.0 100.7 187.1
86 62.3 43.8 81.3

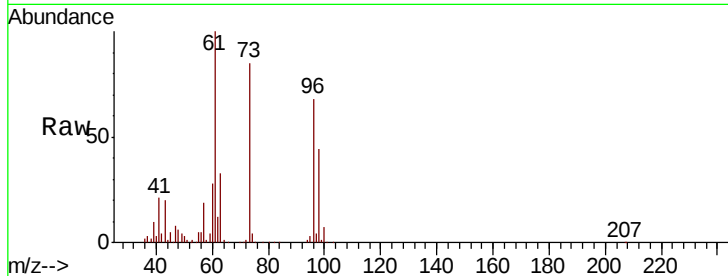




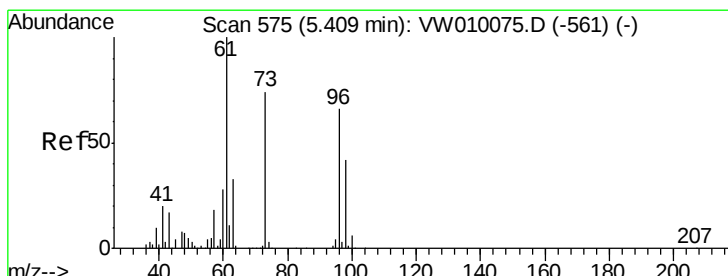
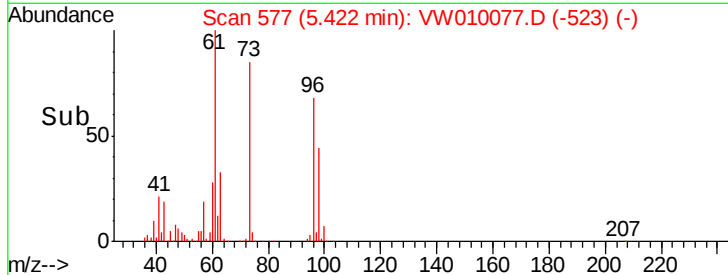
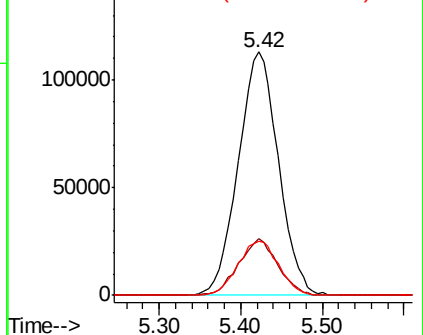
#17
Methyl tert-butyl Ether
Concen: 25.405 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW010077.D
Acq: 22 Apr 2019 11:14

Instrument :
MSVOA_W
ClientSampled :
VSTD02509

Tgt Ion: 73 Resp: 387034
Ion Ratio Lower Upper
73 100
43 22.6 19.4 29.0
57 22.8 18.6 28.0

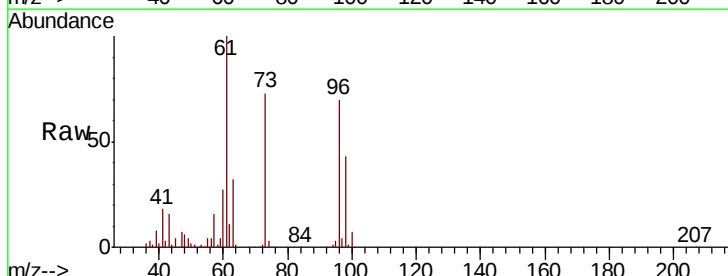


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

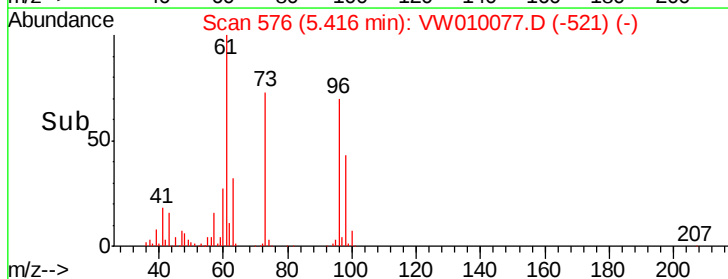
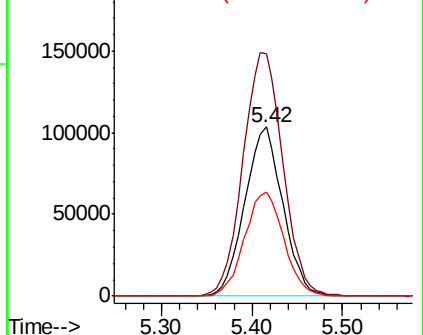


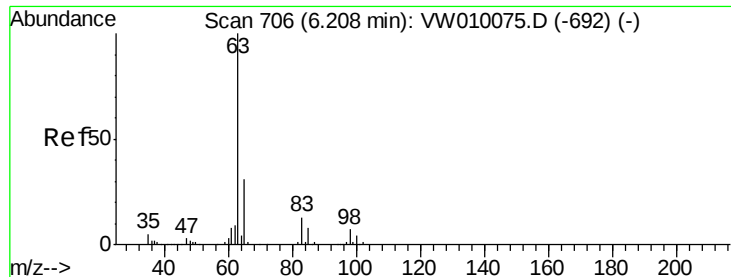
#18
trans-1,2-Dichloroethene
Concen: 25.579 ug/L
RT: 5.42 min Scan# 576
Delta R.T. 0.01 min
Lab File: VW010077.D
Acq: 22 Apr 2019 11:14

Tgt Ion: 96 Resp: 301346
Ion Ratio Lower Upper
96 100
61 143.6 104.9 194.9
98 61.6 44.1 81.9



Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW

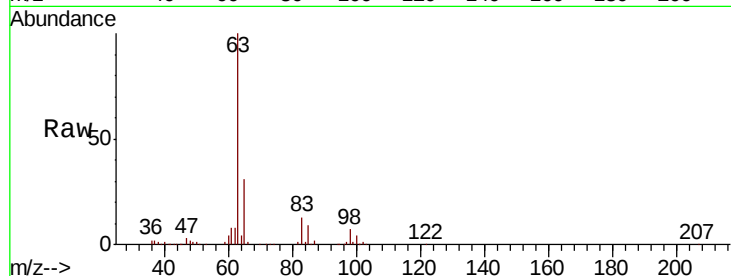




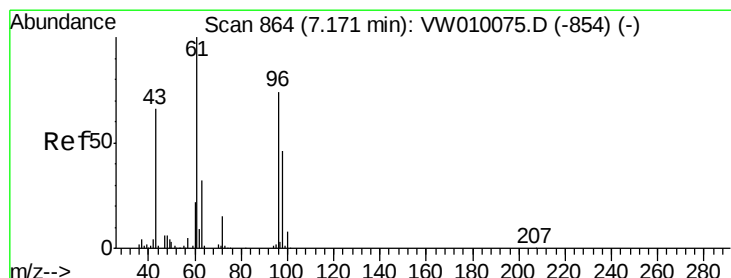
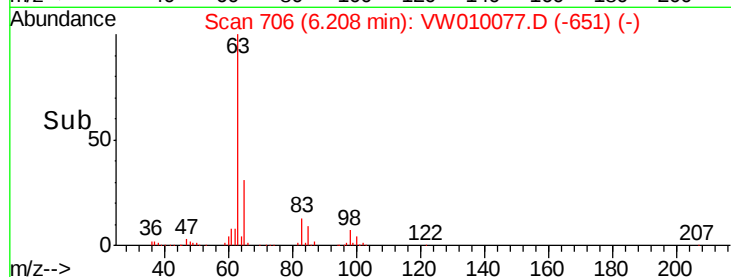
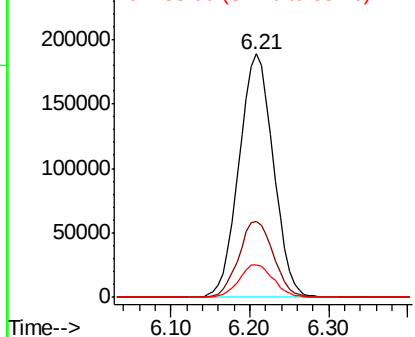
#19
 1,1-Dichloroethane
 Concen: 24.373 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. 0.01 min
 Lab File: VW010077.D
 Acq: 22 Apr 2019 11:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

Tgt Ion: 63 Resp: 572344
 Ion Ratio Lower Upper
 63 100
 65 31.4 21.6 40.0
 83 13.3 9.0 16.6

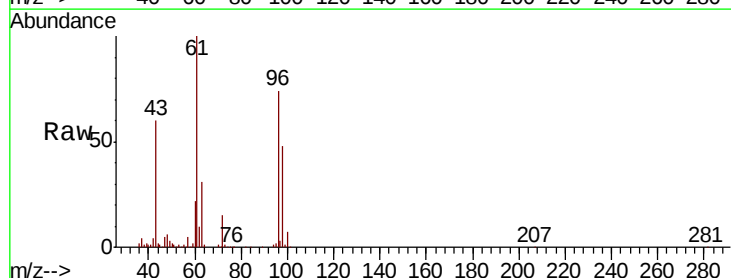


Abundance Ion 63.00 (62.70 to 63.70): VW
 Ion 65.00 (64.70 to 65.70): VW
 Ion 83.00 (82.70 to 83.70): VW

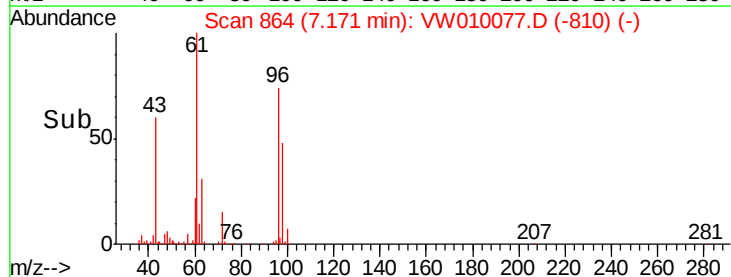
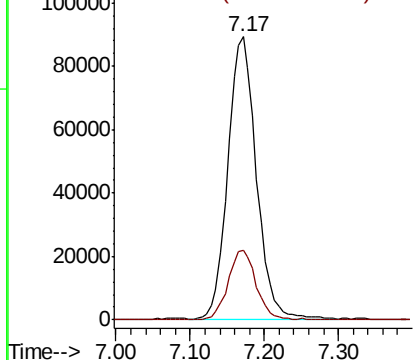


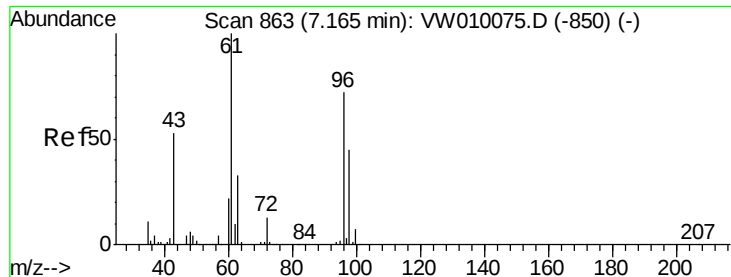
#21
 2-Butanone
 Concen: 46.797 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW010077.D
 Acq: 22 Apr 2019 11:14

Tgt Ion: 43 Resp: 240178
 Ion Ratio Lower Upper
 43 100
 72 24.1 11.9 35.7



Abundance Ion 43.00 (42.70 to 43.70): VW
 Ion 72.00 (71.70 to 72.70): VW



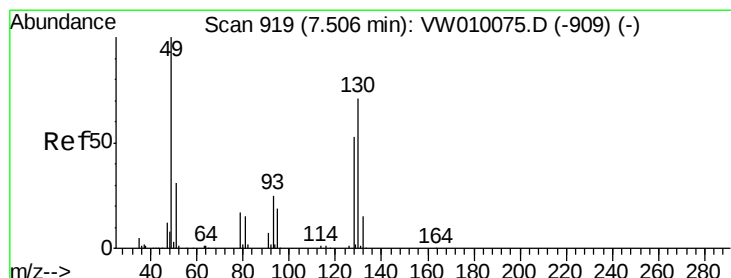
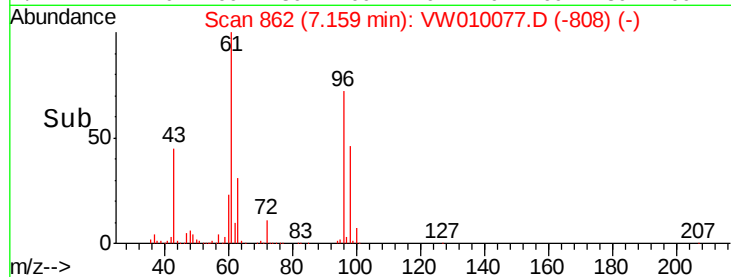
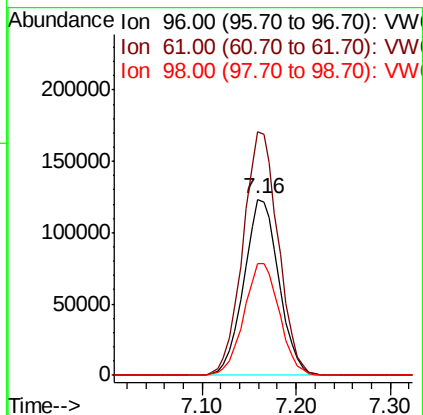
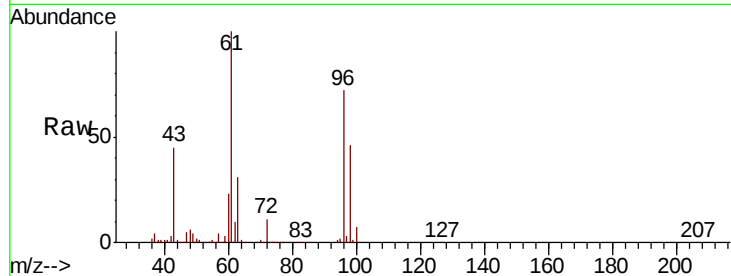


#22

cis-1,2-Dichloroethene
 Concen: 25.173 ug/L
 RT: 7.16 min Scan# 862
 Delta R.T. 0.00 min
 Lab File: VW010077.D
 Acq: 22 Apr 2019 11:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

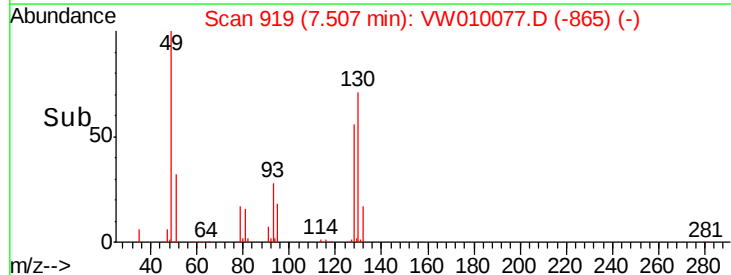
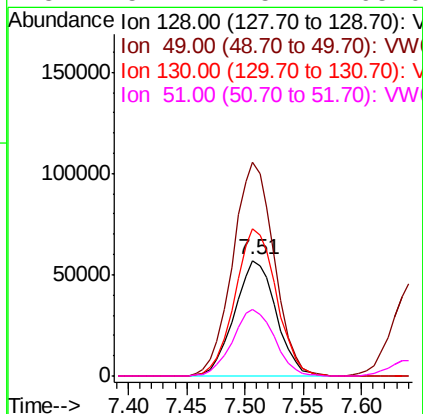
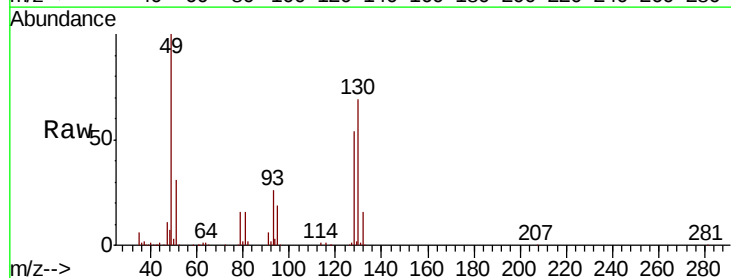
Tgt Ion: 96 Resp: 321835
 Ion Ratio Lower Upper
 96 100
 61 138.2 94.7 175.9
 98 63.2 42.8 79.6

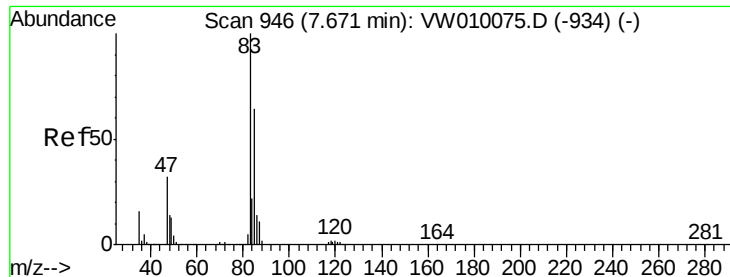


#23

Bromochloromethane
 Concen: 23.702 ug/L
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW010077.D
 Acq: 22 Apr 2019 11:14

Tgt Ion: 128 Resp: 141122
 Ion Ratio Lower Upper
 128 100
 49 184.9 132.2 245.4
 130 127.1 91.5 169.9
 51 57.7 45.4 68.0





#25

Chloroform

Concen: 23.449 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW010077.D

Acq: 22 Apr 2019 11:14

Instrument :

MSVOA_W

ClientSampleId :

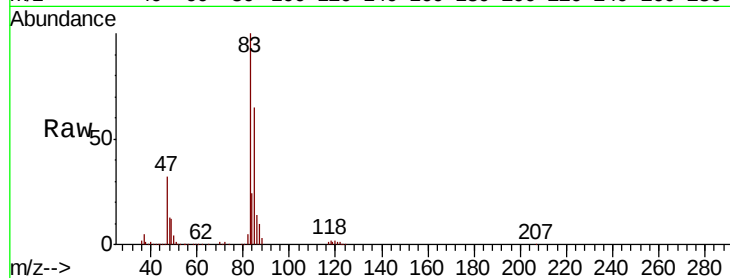
VSTD02509

Tgt Ion: 83 Resp: 563437

Ion Ratio Lower Upper

83 100

85 65.5 45.5 84.5



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

7.67

250000

200000

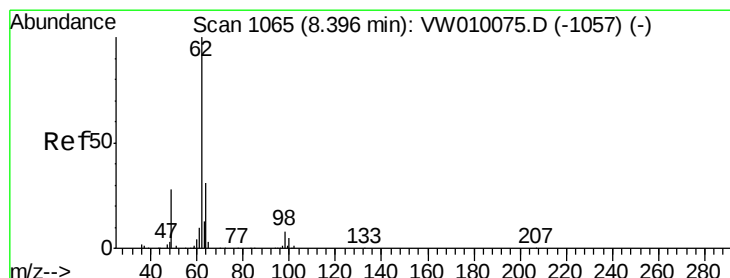
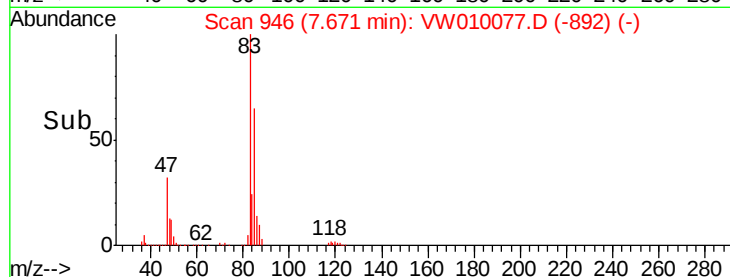
150000

100000

50000

0

Time-->



#27

1,2-Dichloroethane

Concen: 22.130 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW010077.D

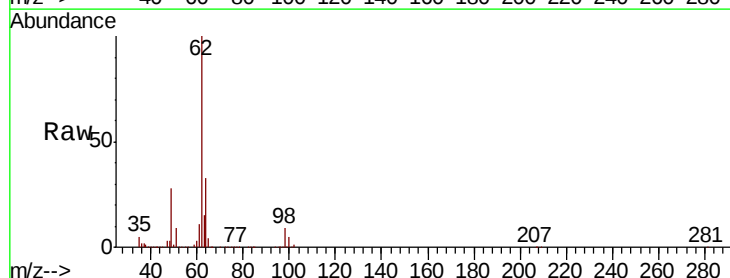
Acq: 22 Apr 2019 11:14

Tgt Ion: 62 Resp: 409382

Ion Ratio Lower Upper

62 100

98 8.9 6.6 10.0



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

8.40

200000

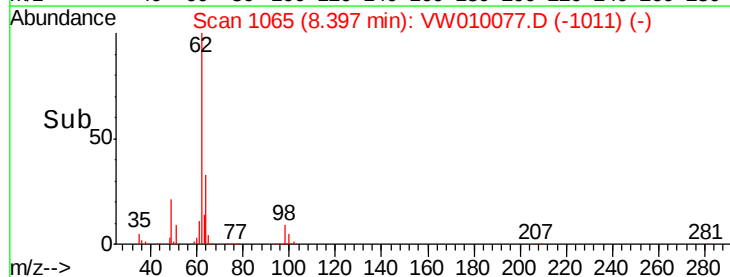
150000

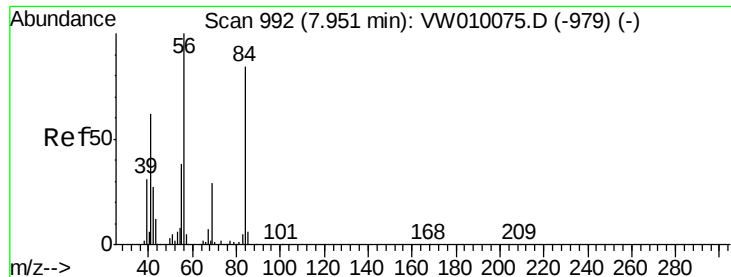
100000

50000

0

Time-->

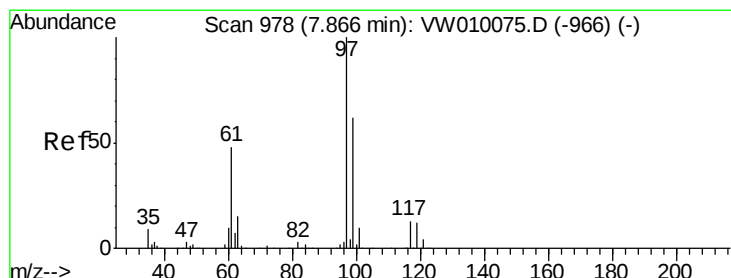
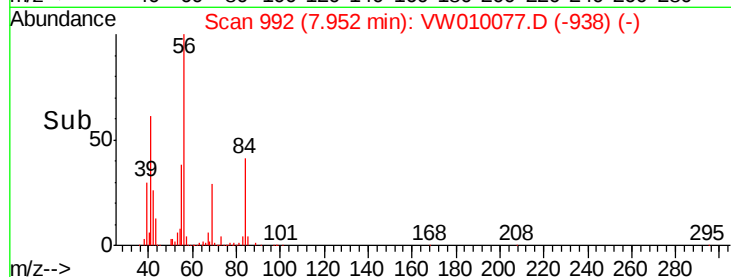
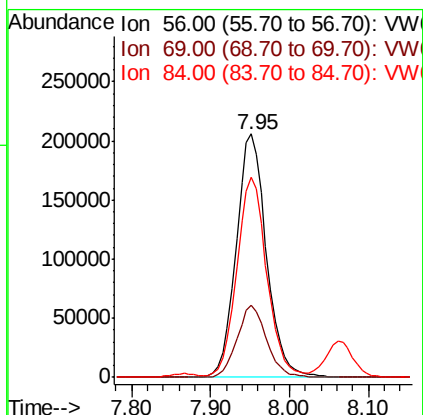
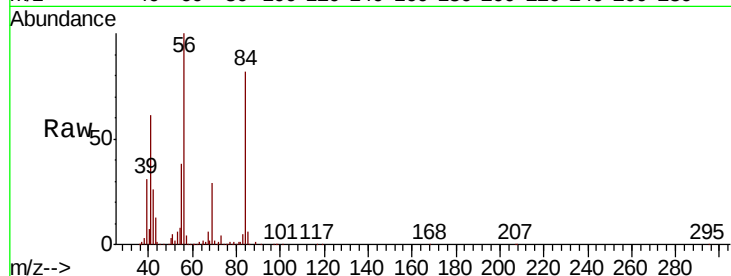




#30
Cyclohexane
Concen: 30.828 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW010077.D
Acq: 22 Apr 2019 11:14

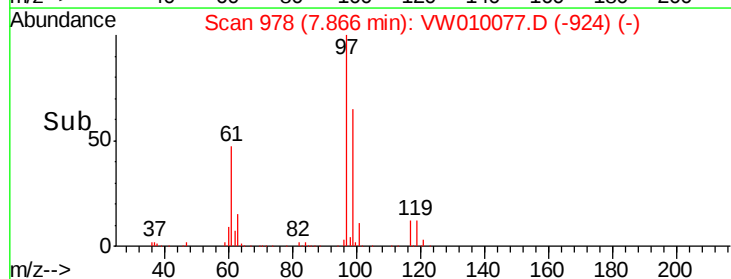
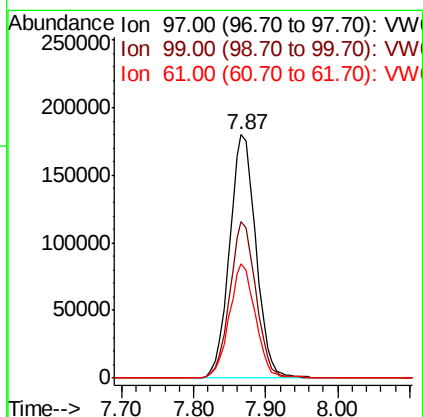
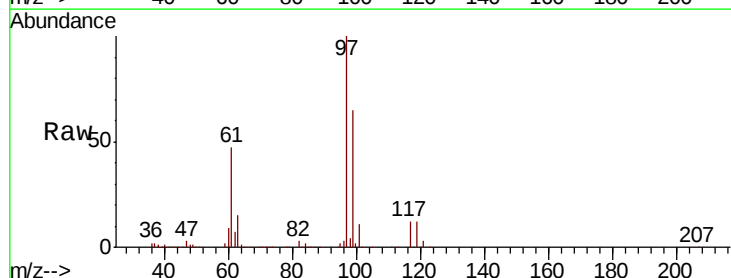
Instrument :
MSVOA_W
ClientSampleId :
VSTD02509

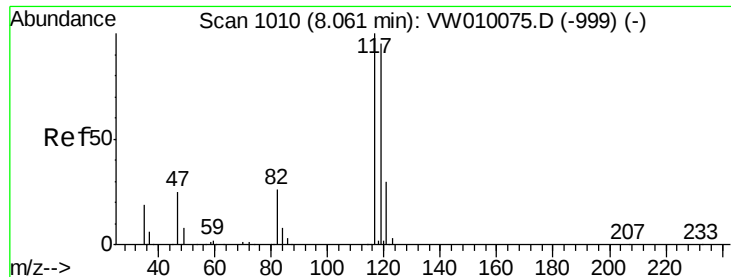
Tgt Ion: 56 Resp: 547119
Ion Ratio Lower Upper
56 100
69 29.0 23.4 35.0
84 81.7 65.5 98.3



#31
1,1,1-Trichloroethane
Concen: 27.963 ug/L
RT: 7.87 min Scan# 978
Delta R.T. 0.00 min
Lab File: VW010077.D
Acq: 22 Apr 2019 11:14

Tgt Ion: 97 Resp: 458585
Ion Ratio Lower Upper
97 100
99 63.3 50.8 76.2
61 46.2 39.3 58.9





#32

Carbon tetrachloride

Concen: 27.736 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VW010077.D

Acq: 22 Apr 2019 11:14

Instrument :

MSVOA_W

ClientSampleId :

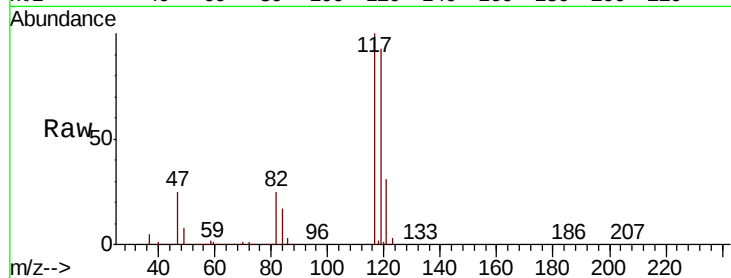
VSTD02509

Tgt Ion:117 Resp: 446597

Ion Ratio Lower Upper

117 100

119 96.0 76.8 115.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.06

200000

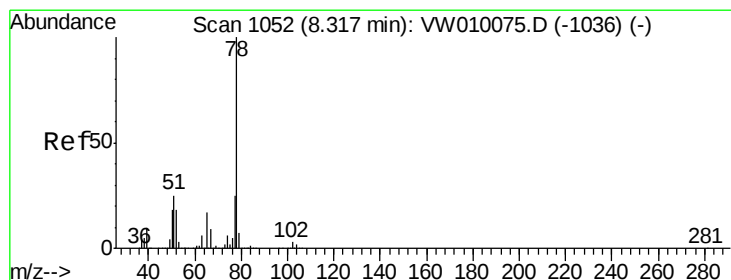
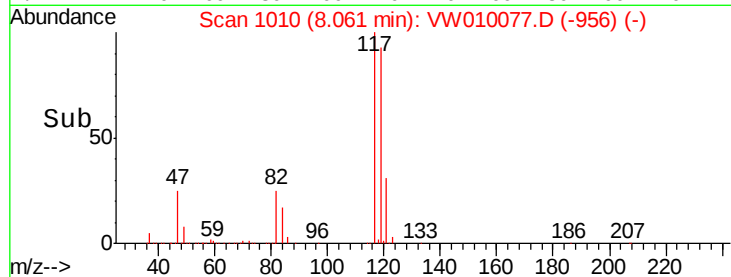
150000

100000

50000

0

Time--> 7.90 8.00 8.10 8.20



#34

Benzene

Concen: 26.669 ug/L

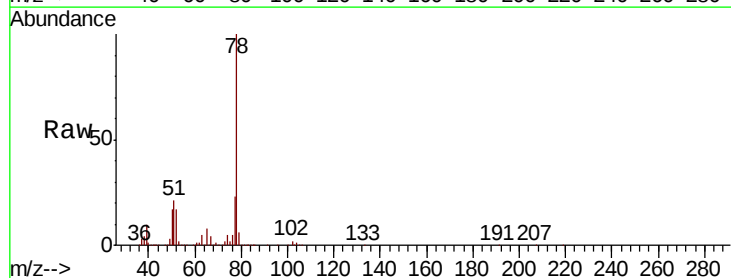
RT: 8.32 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VW010077.D

Acq: 22 Apr 2019 11:14

Tgt Ion: 78 Resp: 1233676



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

600000

500000

400000

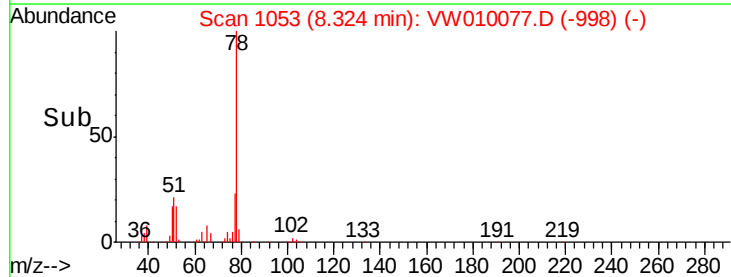
300000

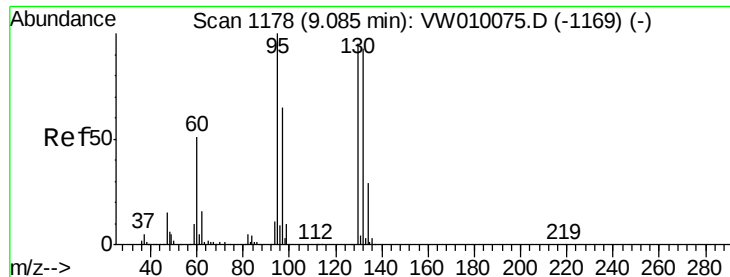
200000

100000

0

Time--> 8.20 8.30 8.40





#35

Trichloroethene

Concen: 26.630 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW010077.D

Acq: 22 Apr 2019 11:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

Tgt Ion: 95 Resp: 320302

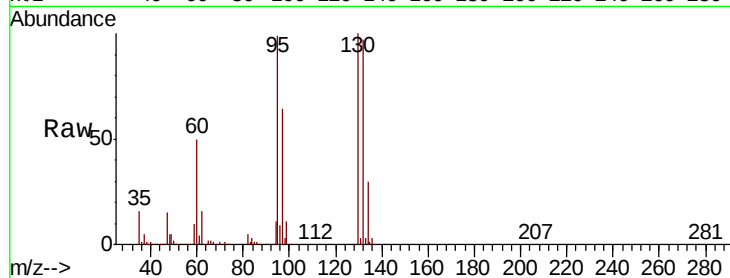
Ion Ratio Lower Upper

95 100

97 63.7 45.3 84.1

132 95.6 65.6 121.8

130 99.3 68.5 127.3



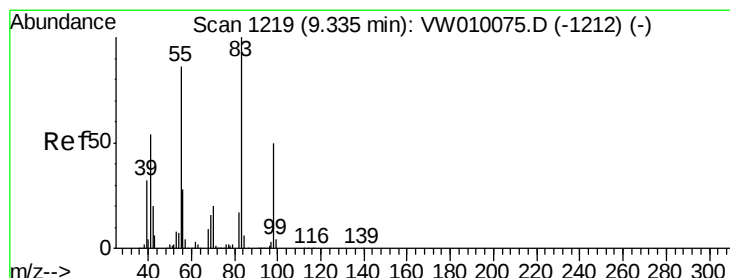
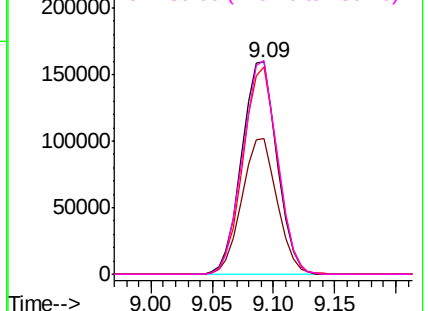
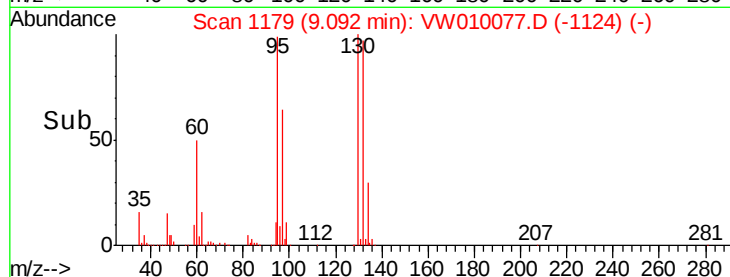
Abundance

Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 29.260 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.01 min

Lab File: VW010077.D

Acq: 22 Apr 2019 11:14

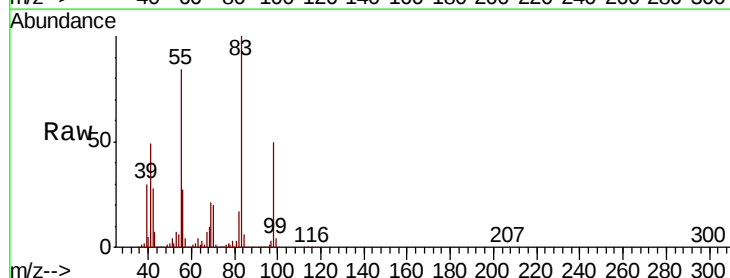
Tgt Ion: 83 Resp: 565434

Ion Ratio Lower Upper

83 100

55 83.5 68.4 102.6

98 49.3 40.0 60.0

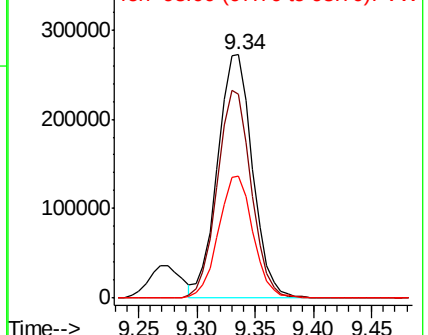
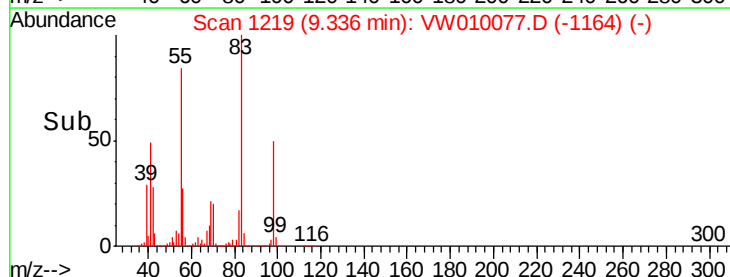


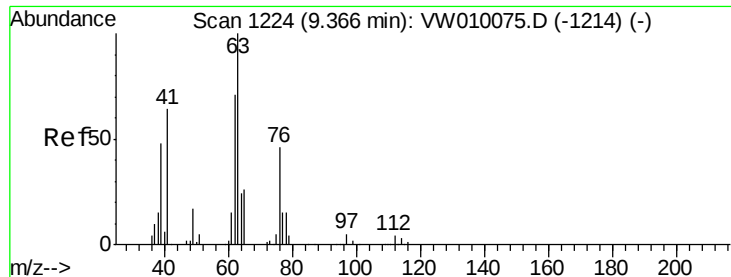
Abundance

Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

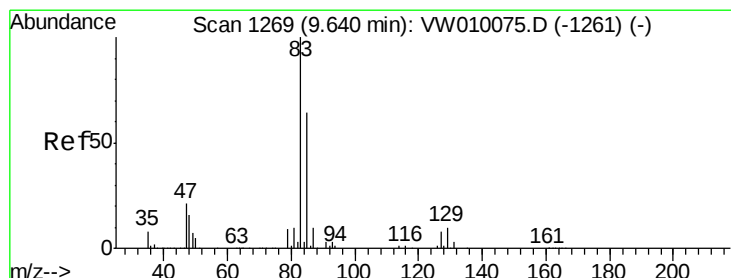
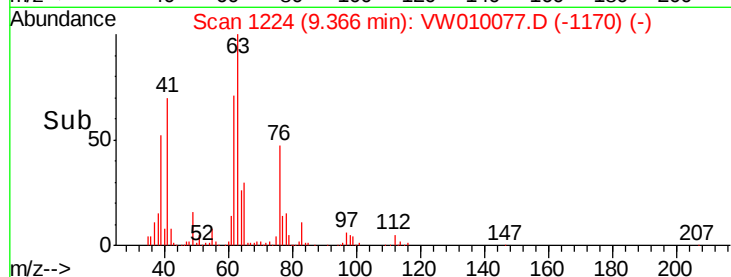
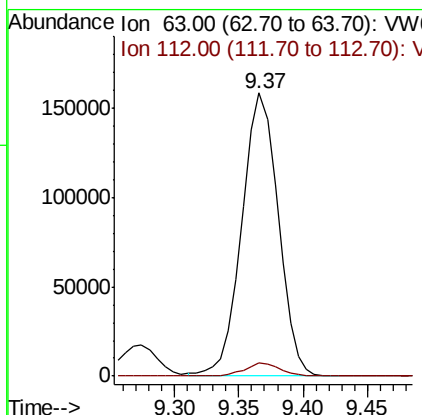
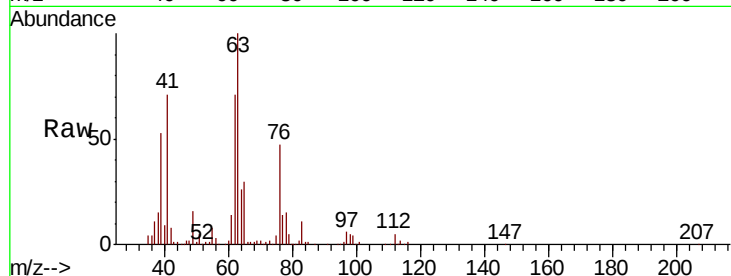




#40
 1,2-Dichloropropane
 Concen: 25.443 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW010077.D
 Acq: 22 Apr 2019 11:14

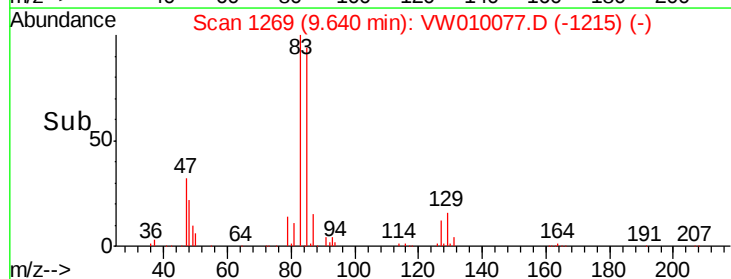
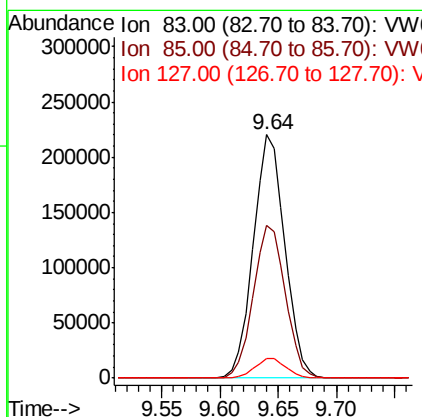
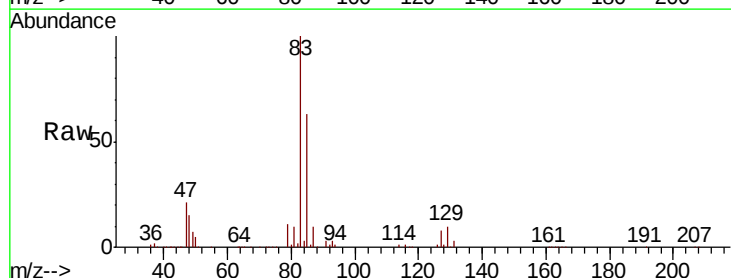
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

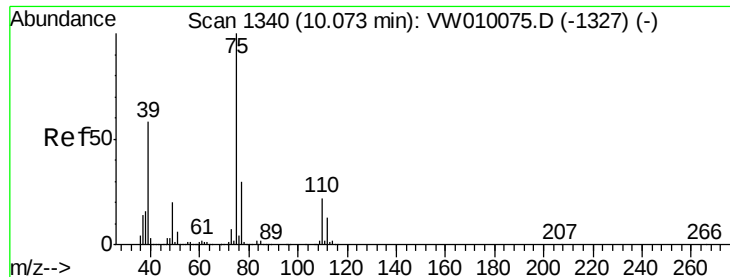
Tgt Ion: 63 Resp: 311277
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.4 5.2



#41
 Bromodichloromethane
 Concen: 24.775 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW010077.D
 Acq: 22 Apr 2019 11:14

Tgt Ion: 83 Resp: 413810
 Ion Ratio Lower Upper
 83 100
 85 62.8 45.1 83.9
 127 7.9 6.1 9.1





#42

cis-1,3-Dichloropropene

Concen: 26.794 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW010077.D

Acq: 22 Apr 2019 11:14

Instrument :

MSVOA_W

ClientSampleId :

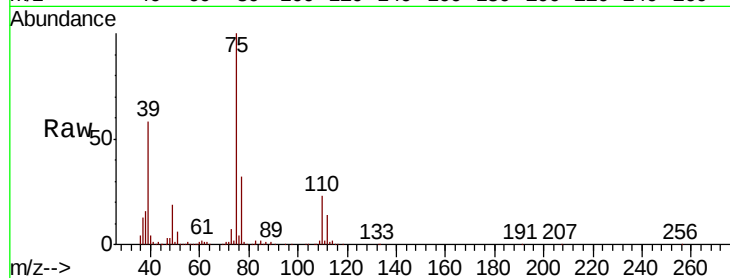
VSTD02509

Tgt Ion: 75 Resp: 505370

Ion Ratio Lower Upper

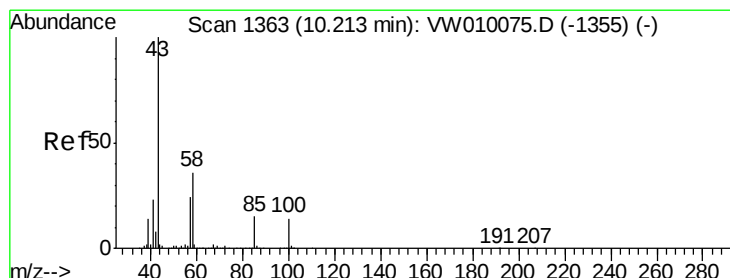
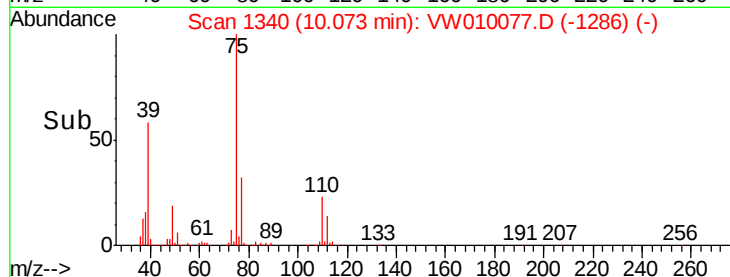
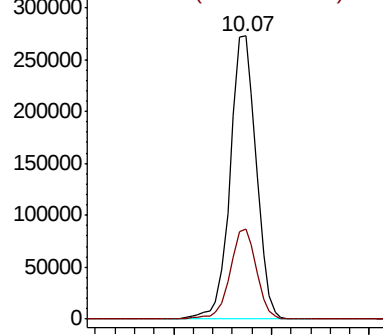
75 100

77 31.8 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#43

4-Methyl-2-pentanone

Concen: 48.200 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW010077.D

Acq: 22 Apr 2019 11:14

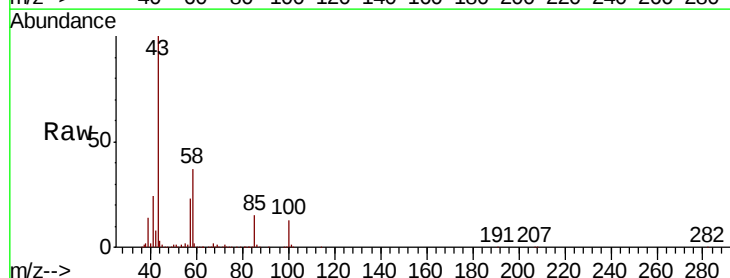
Tgt Ion: 43 Resp: 485658

Ion Ratio Lower Upper

43 100

58 36.7 27.9 41.9

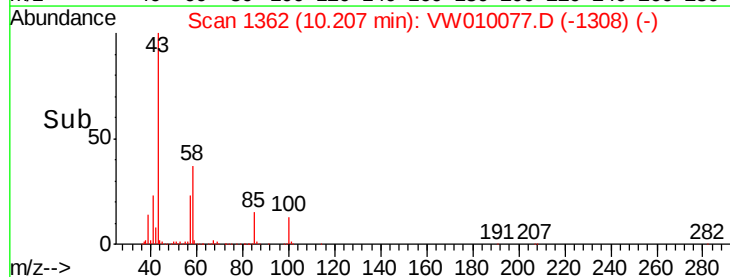
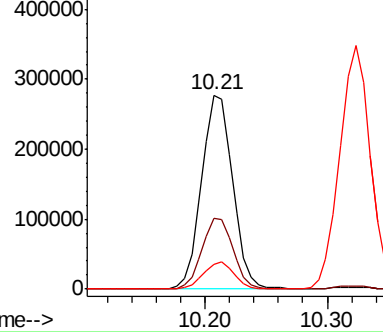
100 13.7 10.5 15.7

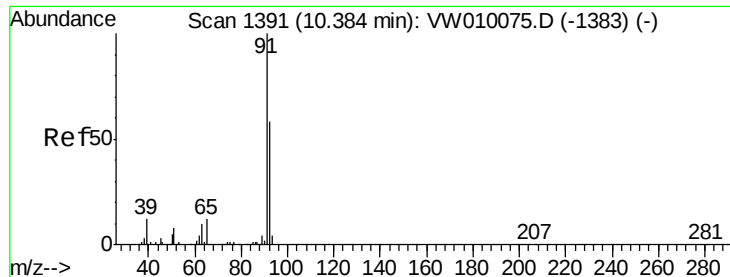


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW





#44

Toluene

Concen: 26.967 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW010077.D

Acq: 22 Apr 2019 11:14

Instrument :

MSVOA_W

ClientSampleId :

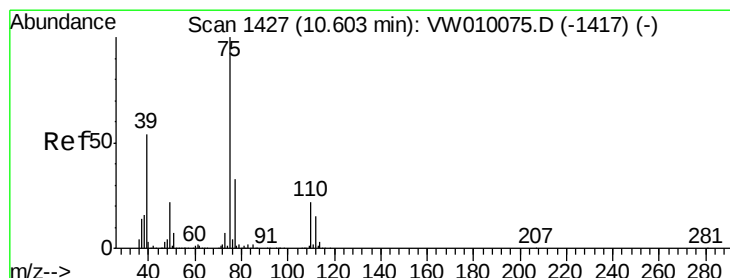
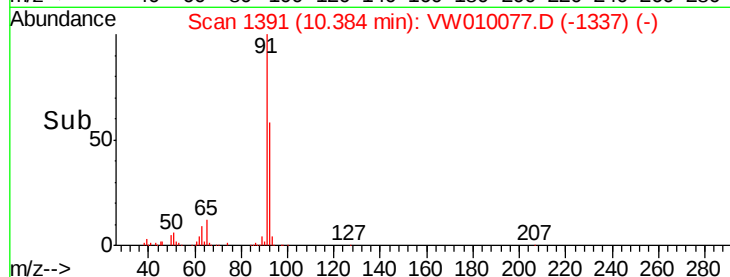
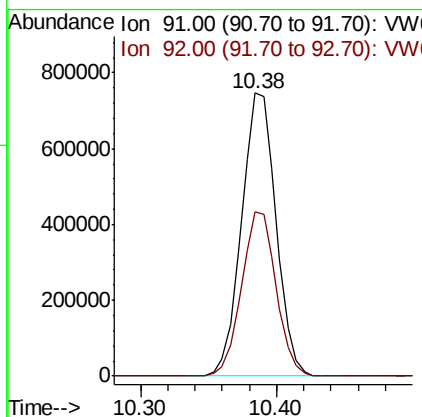
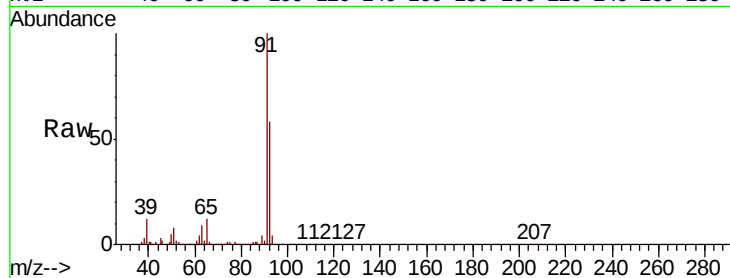
VSTD02509

Tgt Ion: 91 Resp: 1323439

Ion Ratio Lower Upper

91 100

92 58.0 39.8 74.0



#45

trans-1,3-Dichloropropene

Concen: 25.296 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010077.D

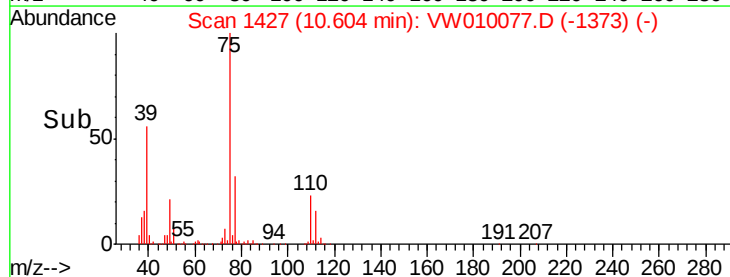
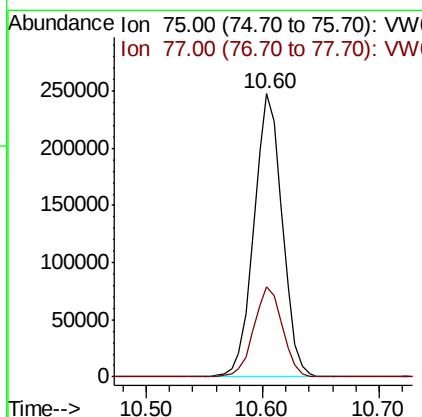
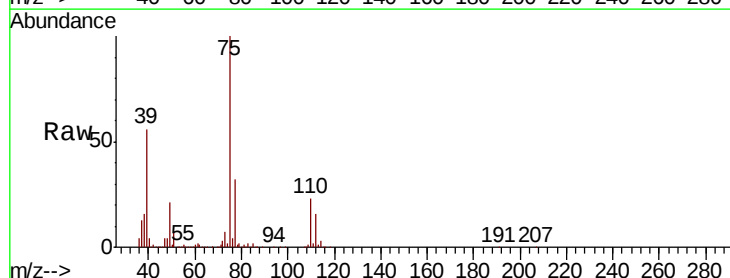
Acq: 22 Apr 2019 11:14

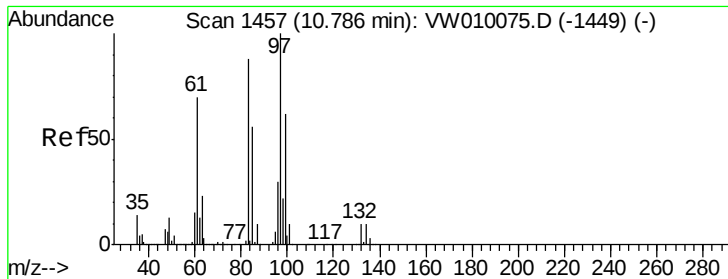
Tgt Ion: 75 Resp: 421280

Ion Ratio Lower Upper

75 100

77 31.7 22.0 41.0





#46

1,1,2-Trichloroethane

Concen: 24.055 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW010077.D

Acq: 22 Apr 2019 11:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

Tgt Ion: 97 Resp: 229518

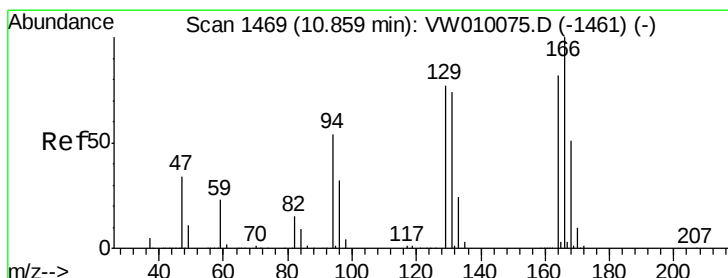
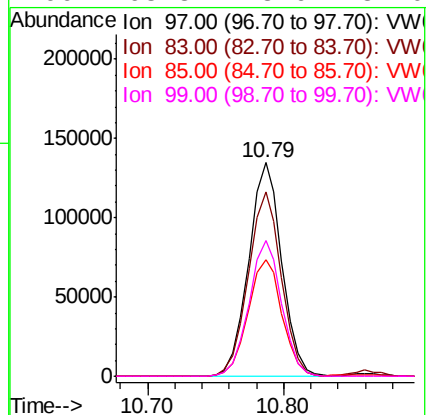
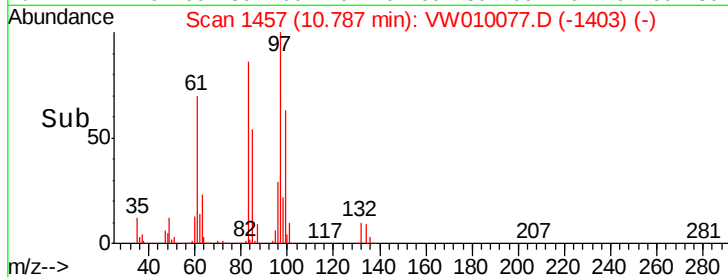
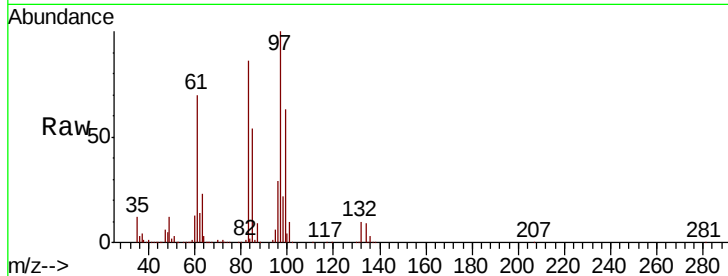
Ion Ratio Lower Upper

97 100

83 86.4 59.1 109.7

85 54.3 39.3 73.1

99 63.3 43.6 81.0



#47

Tetrachloroethene

Concen: 26.546 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW010077.D

Acq: 22 Apr 2019 11:14

Tgt Ion: 164 Resp: 249412

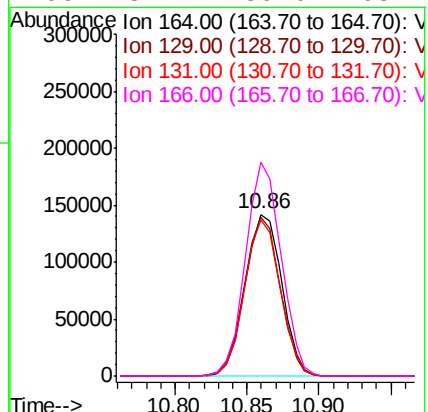
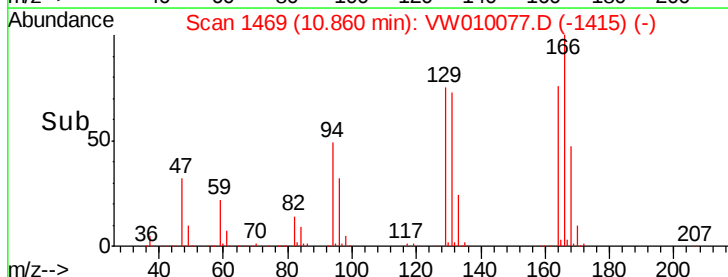
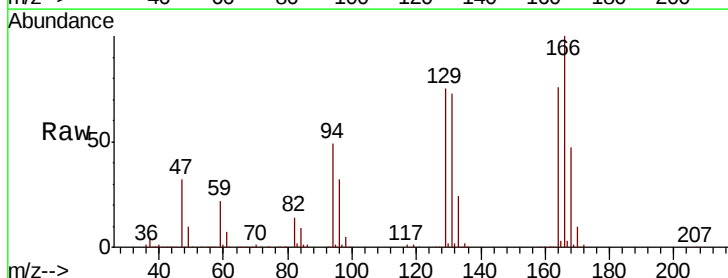
Ion Ratio Lower Upper

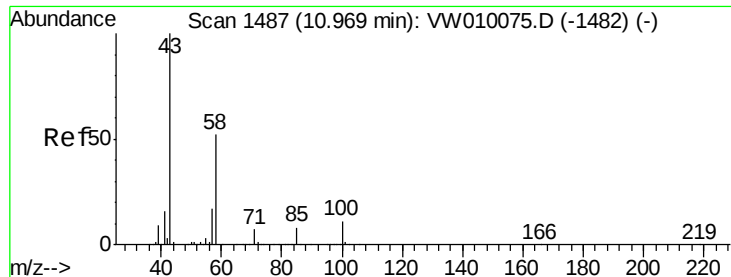
164 100

129 98.6 66.8 124.2

131 96.6 65.2 121.0

166 132.2 89.0 165.2

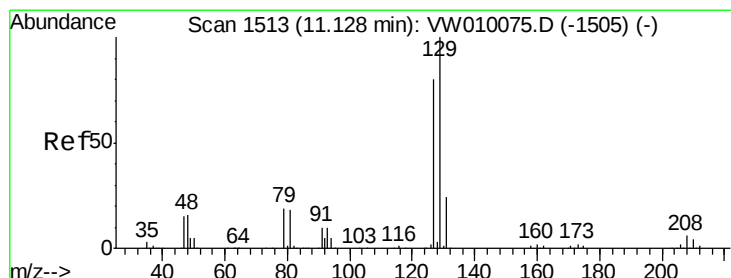
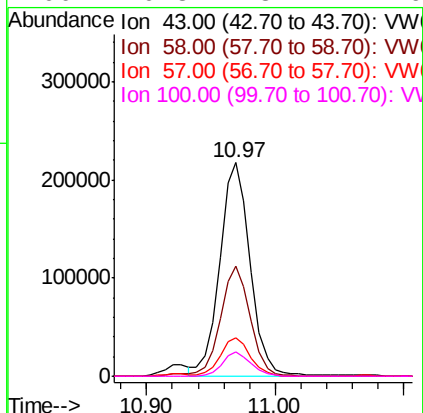
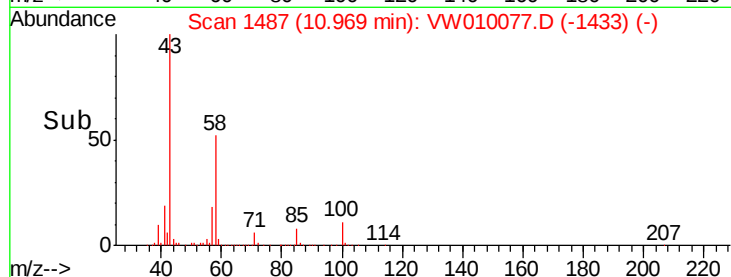
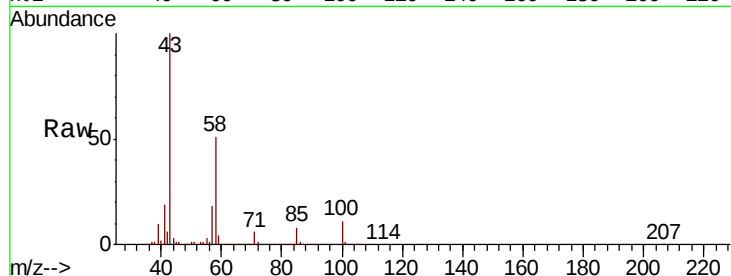




#49
2-Hexanone
Concen: 50.471 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010077.D
Acq: 22 Apr 2019 11:14

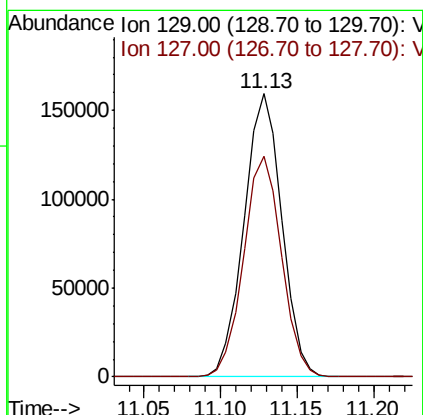
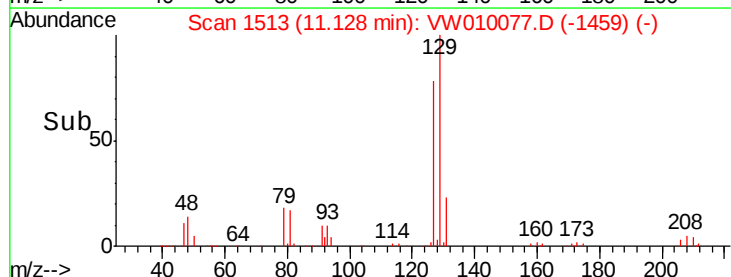
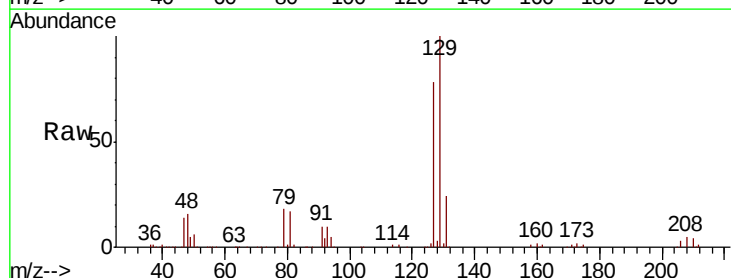
Instrument :
MSVOA_W
ClientSampleId :
VSTD02509

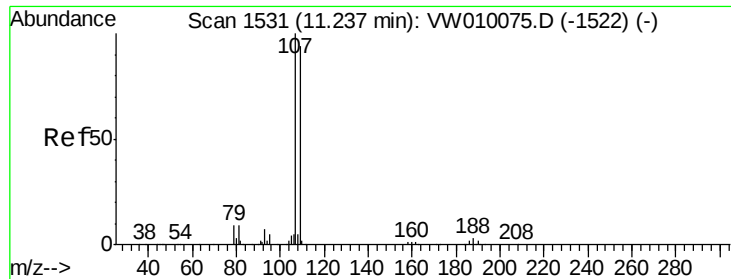
Tgt Ion:	43	Resp:	361280
Ion	Ratio	Lower	Upper
43	100		
58	49.4	39.8	59.8
57	17.6	14.1	21.1
100	10.8	8.4	12.6



#50
Dibromochloromethane
Concen: 24.205 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010077.D
Acq: 22 Apr 2019 11:14

Tgt Ion:	129	Resp:	274133
Ion	Ratio	Lower	Upper
129	100		
127	78.1	53.5	99.3

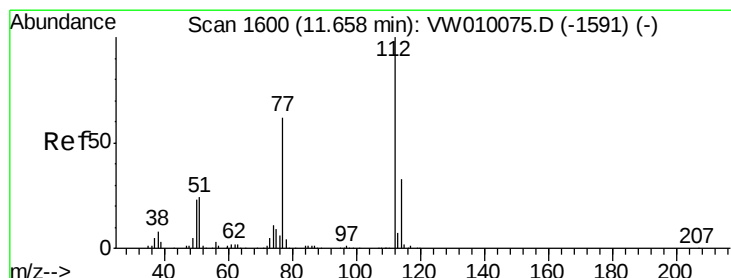
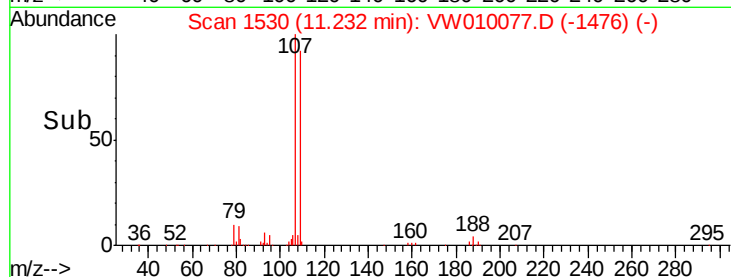
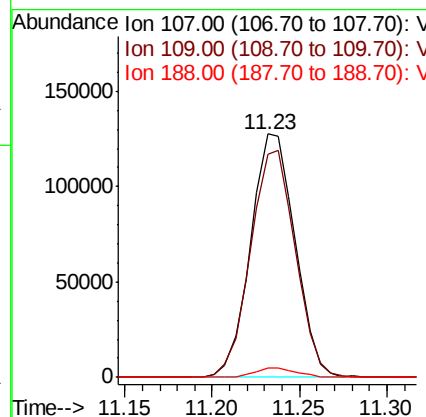
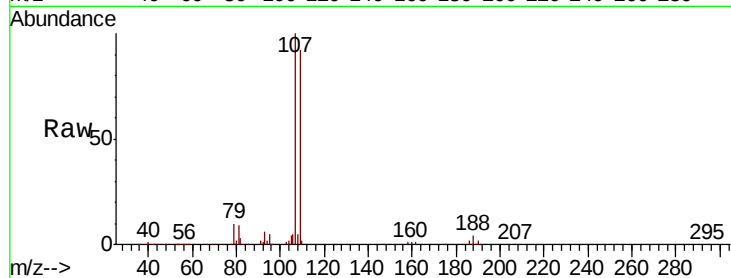




#51
 1,2-Dibromoethane
 Concen: 24.149 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW010077.D
 Acq: 22 Apr 2019 11:14

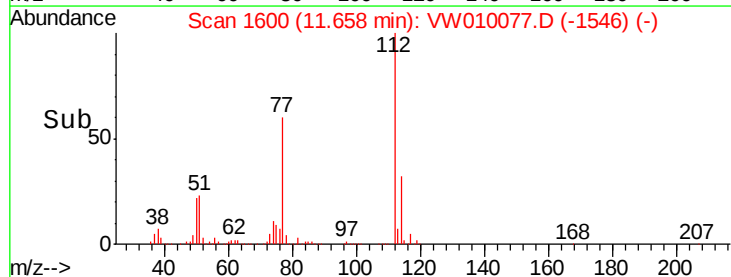
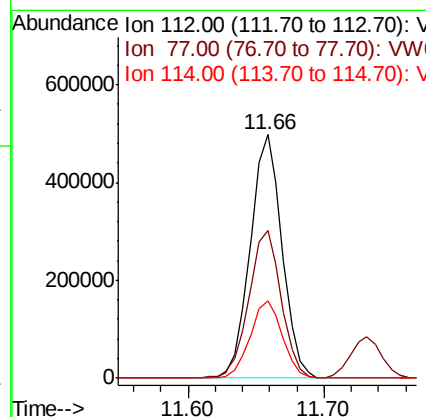
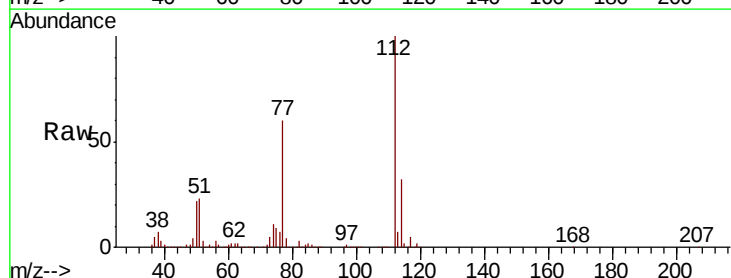
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

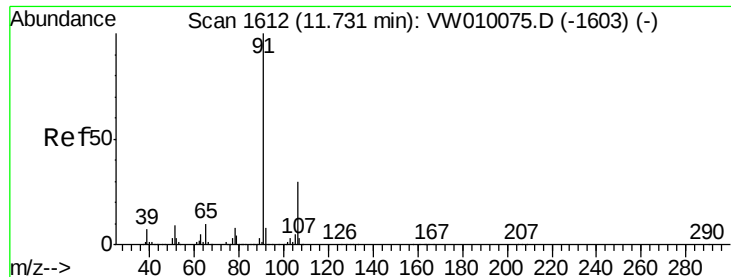
Tgt Ion:107 Resp: 225542
 Ion Ratio Lower Upper
 107 100
 109 91.7 66.4 123.4
 188 3.9 2.7 4.1



#52
 Chlorobenzene
 Concen: 25.385 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW010077.D
 Acq: 22 Apr 2019 11:14

Tgt Ion:112 Resp: 812896
 Ion Ratio Lower Upper
 112 100
 77 60.5 50.2 75.4
 114 31.8 22.7 42.3





#53

Ethylbenzene

Concen: 27.316 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW010077.D

Acq: 22 Apr 2019 11:14

Instrument :

MSVOA_W

ClientSampleId :

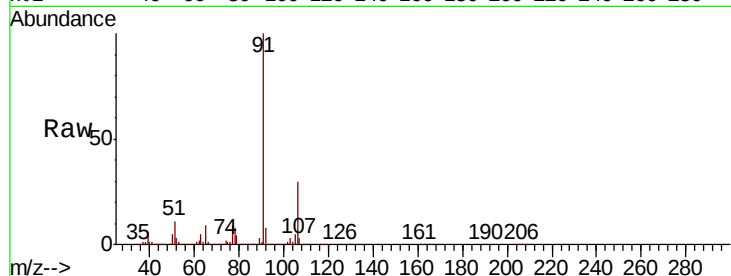
VSTD02509

Tgt Ion: 91 Resp: 1498334

Ion Ratio Lower Upper

91 100

106 30.4 21.8 40.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V

11.73

1000000

800000

600000

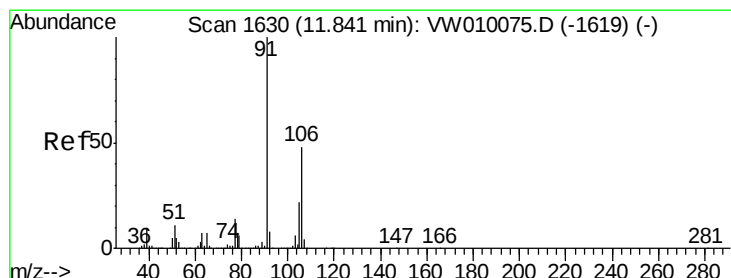
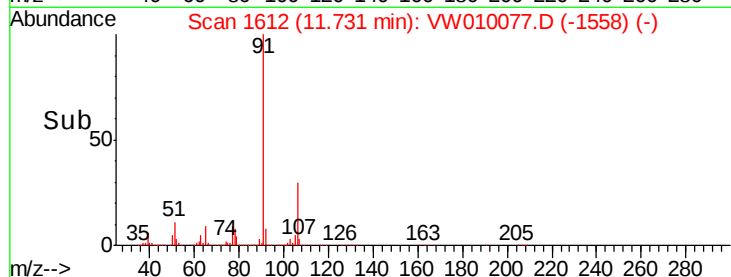
400000

200000

0

11.70 11.80

Time-->



#54

m,p-Xylene

Concen: 27.757 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW010077.D

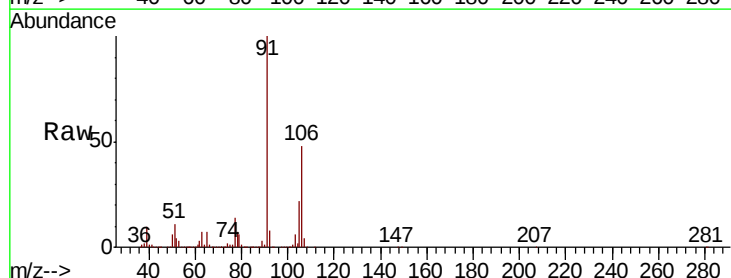
Acq: 22 Apr 2019 11:14

Tgt Ion: 106 Resp: 556904

Ion Ratio Lower Upper

106 100

91 209.2 143.4 266.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

11.84

1000000

800000

600000

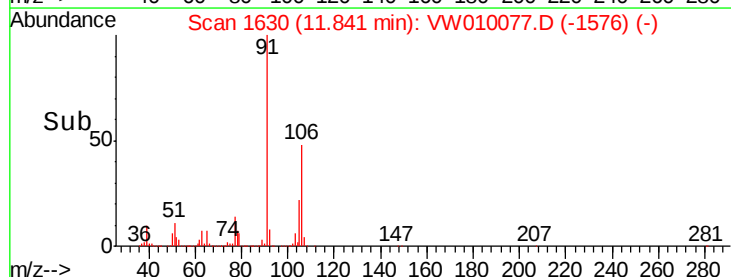
400000

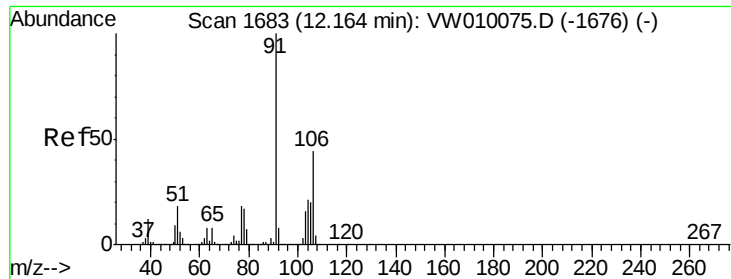
200000

0

11.80 11.90

Time-->

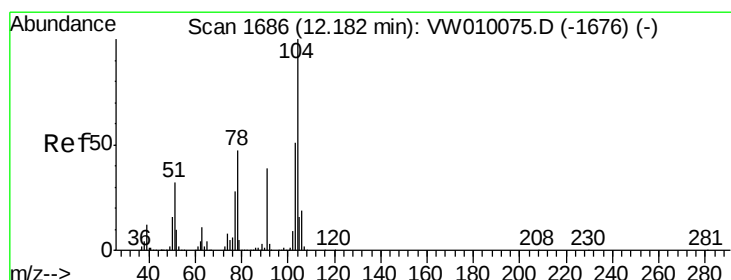
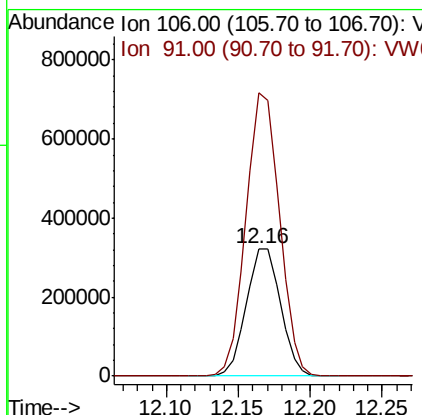
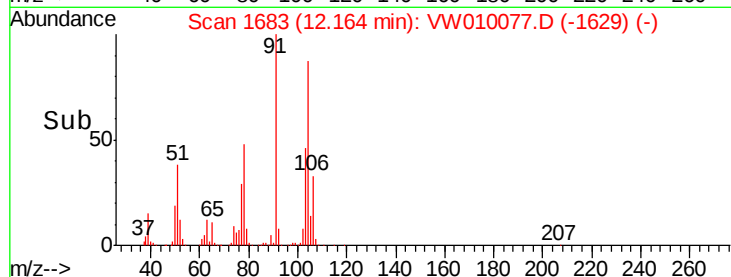
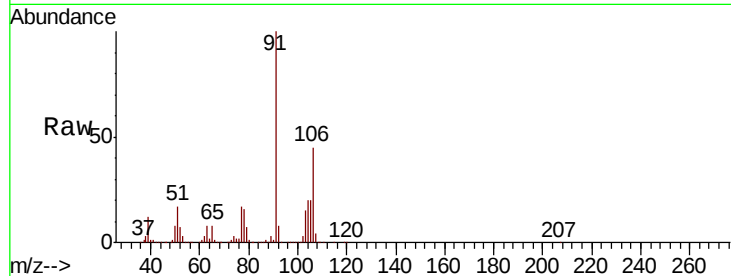




#55
o-xylene
Concen: 27.636 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW010077.D
Acq: 22 Apr 2019 11:14

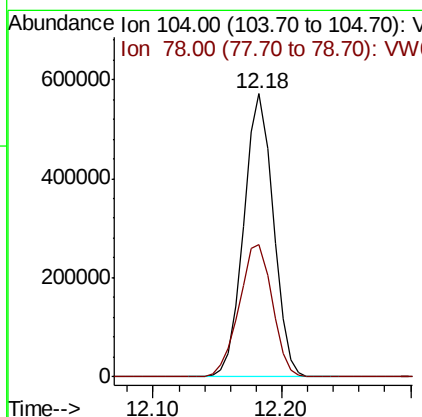
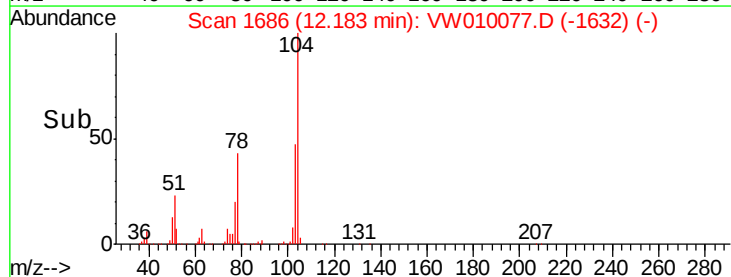
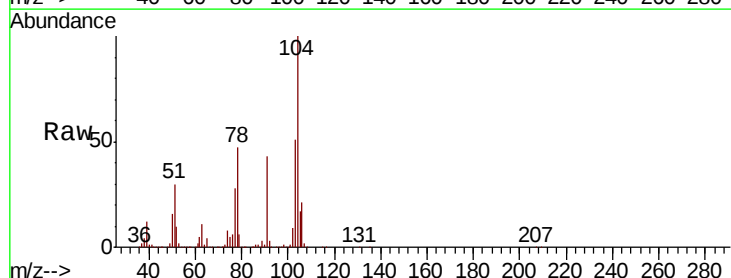
Instrument :
MSVOA_W
ClientSampleId :
VSTD02509

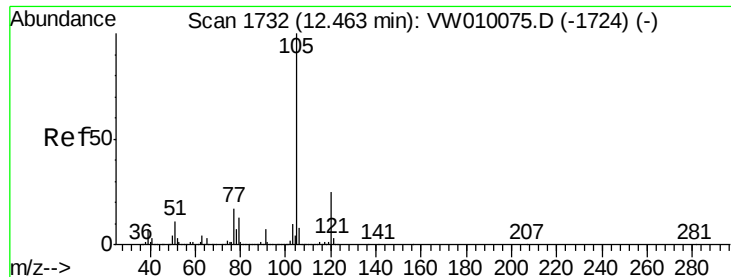
Tgt Ion:106 Resp: 531802
Ion Ratio Lower Upper
106 100
91 221.9 152.2 282.7



#56
Styrene
Concen: 26.846 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010077.D
Acq: 22 Apr 2019 11:14

Tgt Ion:104 Resp: 904366
Ion Ratio Lower Upper
104 100
78 46.9 32.7 60.7





#57

Isopropylbenzene

Concen: 28.700 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW010077.D

Acq: 22 Apr 2019 11:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

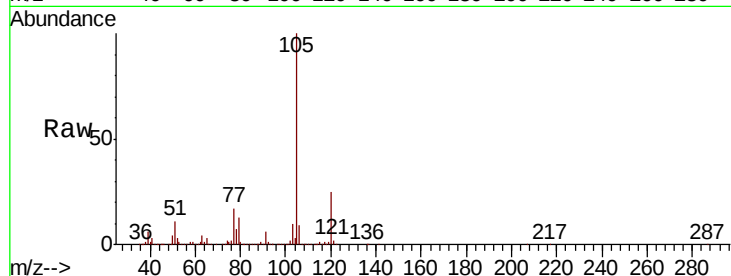
Tgt Ion:105 Resp: 1471049

Ion Ratio Lower Upper

105 100

120 25.7 20.6 30.8

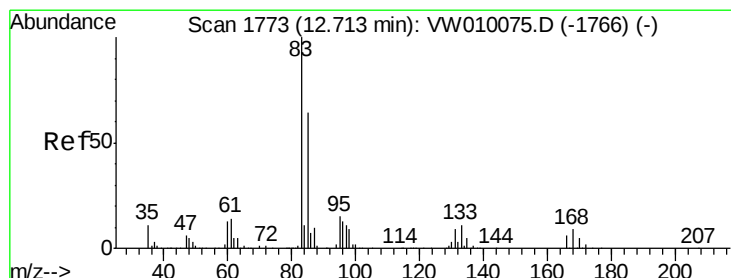
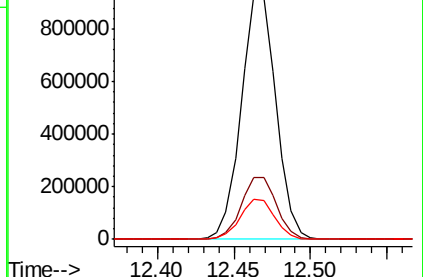
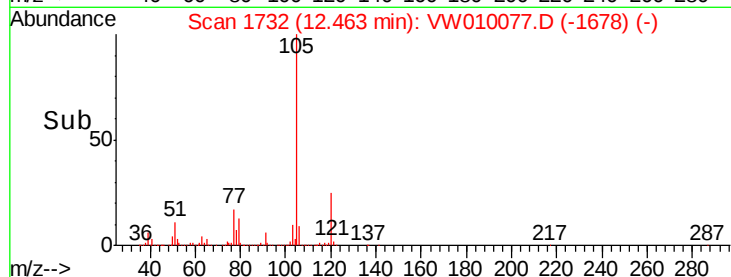
77 16.4 13.4 20.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 23.212 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW010077.D

Acq: 22 Apr 2019 11:14

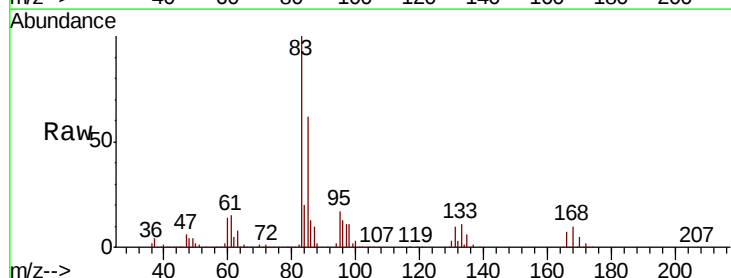
Tgt Ion: 83 Resp: 291350

Ion Ratio Lower Upper

83 100

85 62.5 44.1 81.9

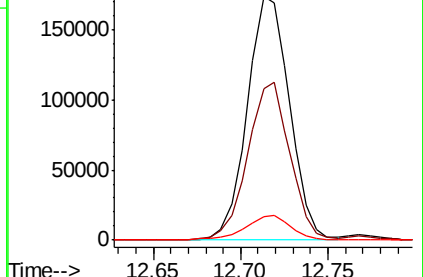
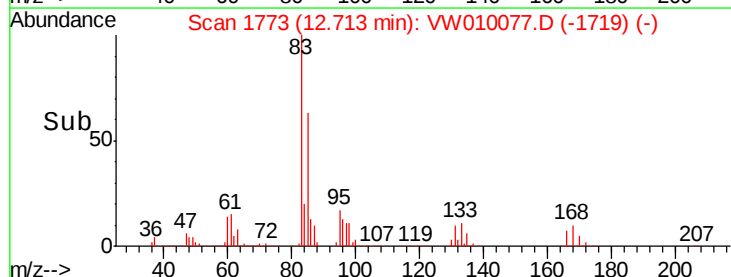
131 9.8 8.3 12.5

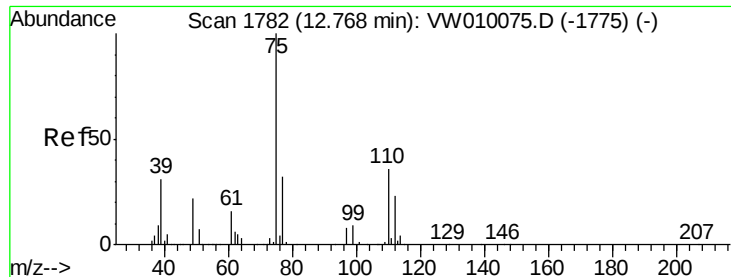


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

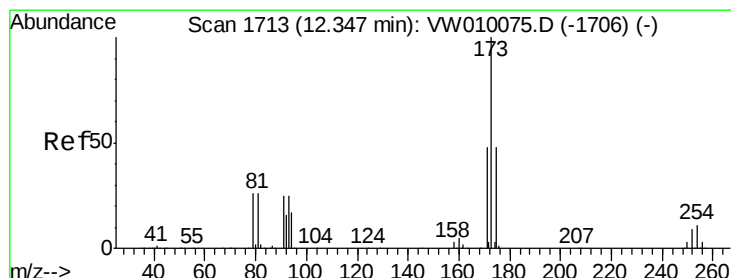
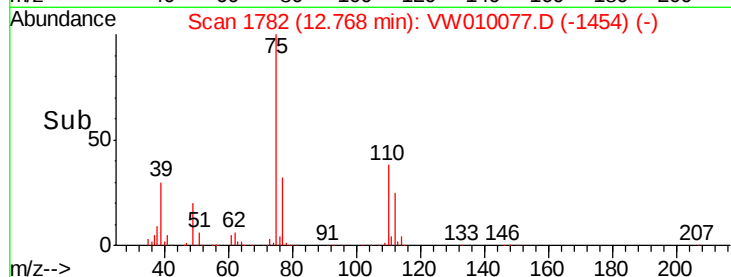
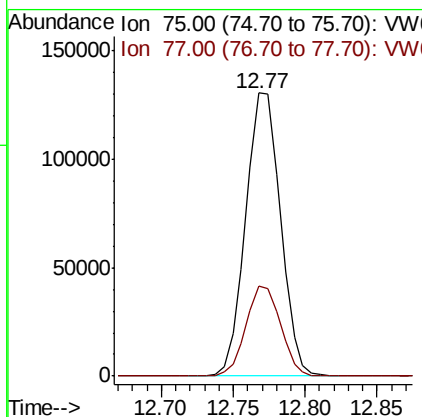
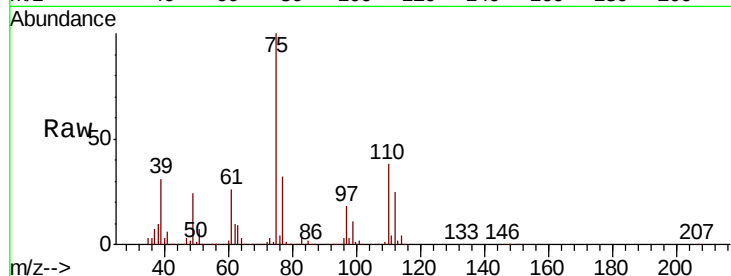




#59
 1,2,3-Trichloropropane
 Concen: 23.299 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW010077.D
 Acq: 22 Apr 2019 11:14

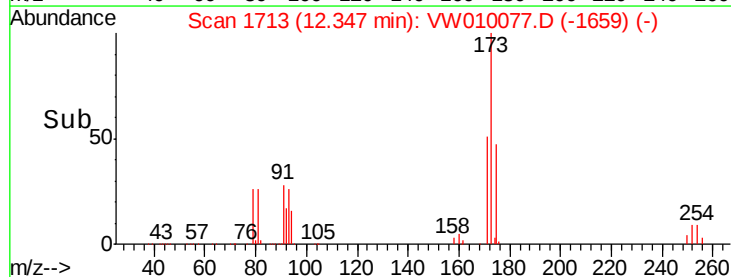
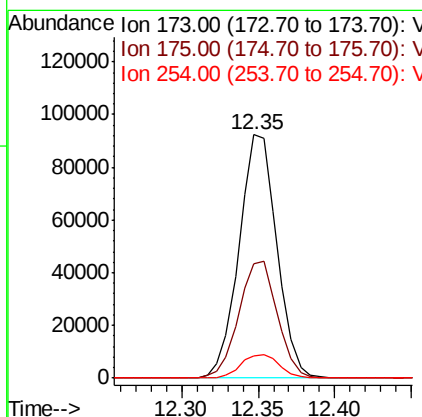
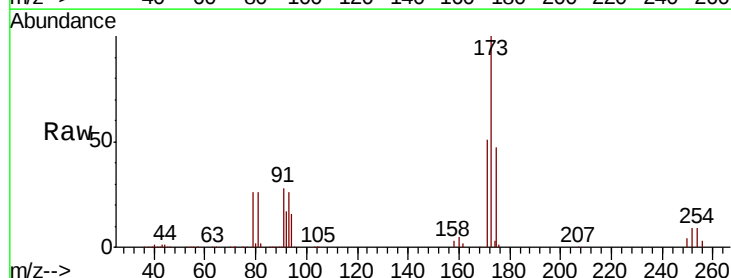
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02509

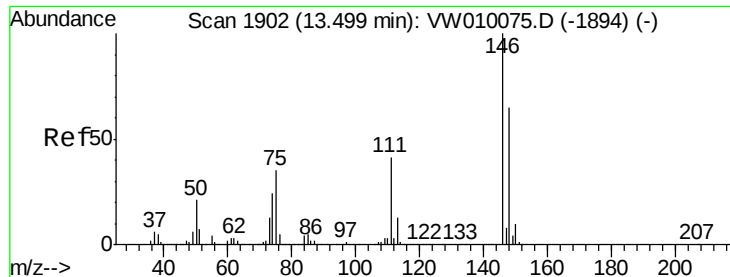
Tgt Ion: 75 Resp: 218852
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.8 38.6



#62
 Bromoform
 Concen: 23.573 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: VW010077.D
 Acq: 22 Apr 2019 11:14

Tgt Ion: 173 Resp: 159009
 Ion Ratio Lower Upper
 173 100
 175 48.6 38.4 57.6
 254 10.0 7.7 11.5

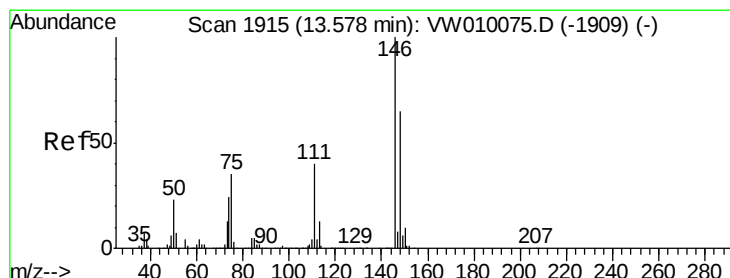
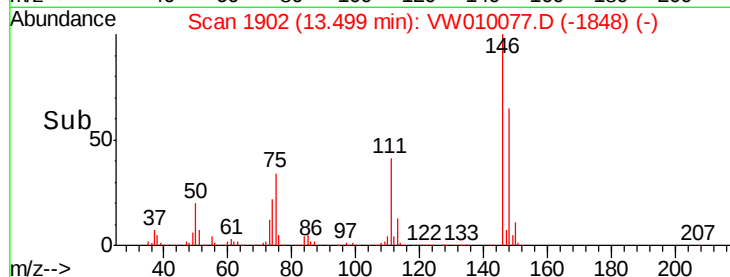
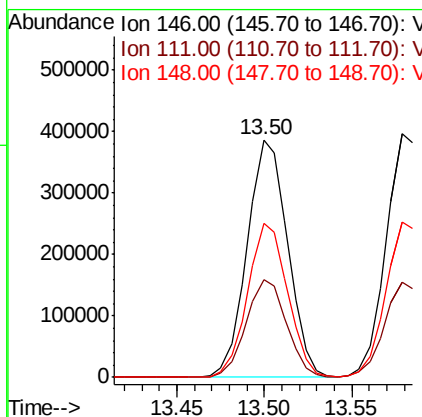
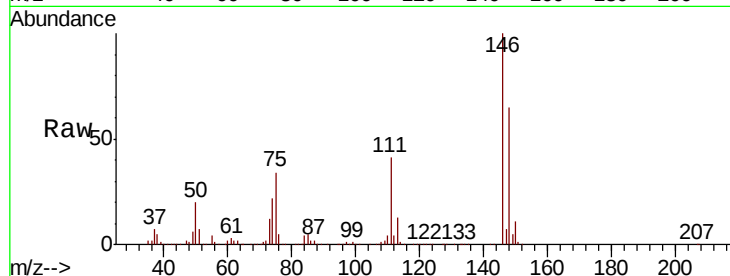




#63
 1,3-Dichlorobenzene
 Concen: 26.811 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010077.D
 Acq: 22 Apr 2019 11:14

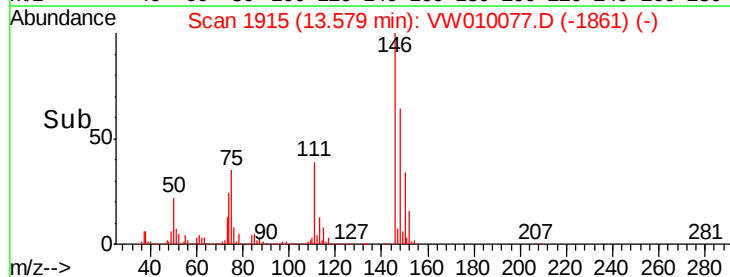
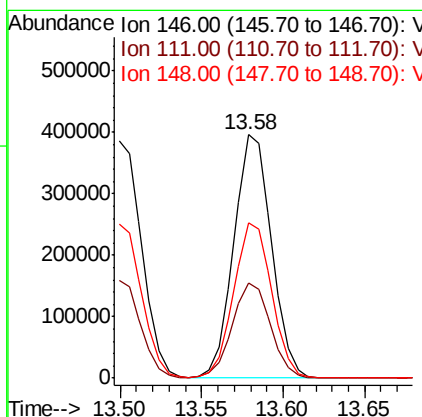
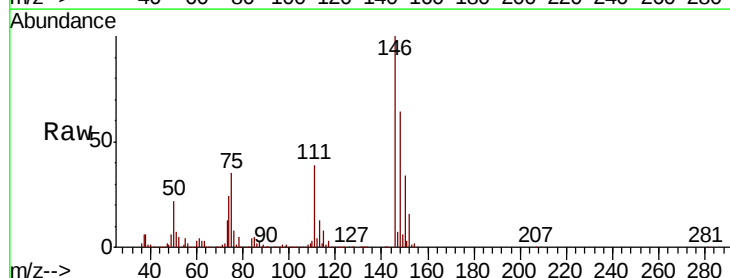
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

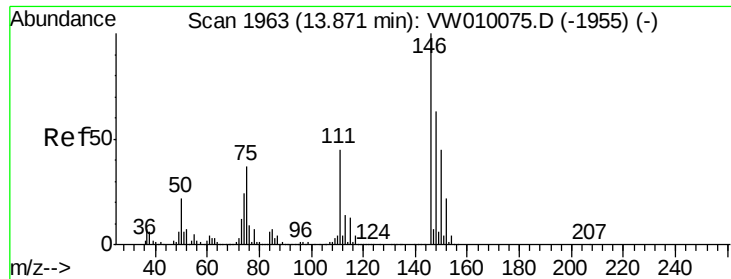
Tgt Ion:146 Resp: 622213
 Ion Ratio Lower Upper
 146 100
 111 41.2 29.3 54.3
 148 64.7 44.1 81.9



#64
 1,4-Dichlorobenzene
 Concen: 25.564 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW010077.D
 Acq: 22 Apr 2019 11:14

Tgt Ion:146 Resp: 637508
 Ion Ratio Lower Upper
 146 100
 111 39.1 28.0 52.0
 148 63.6 44.1 81.9

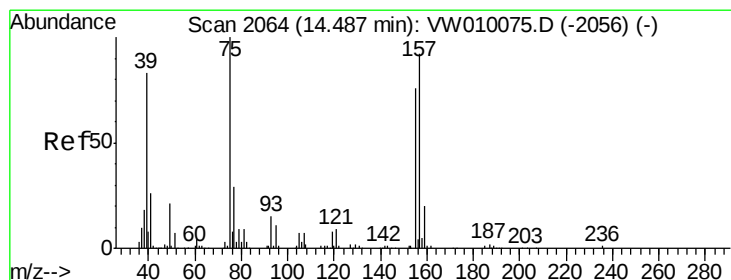
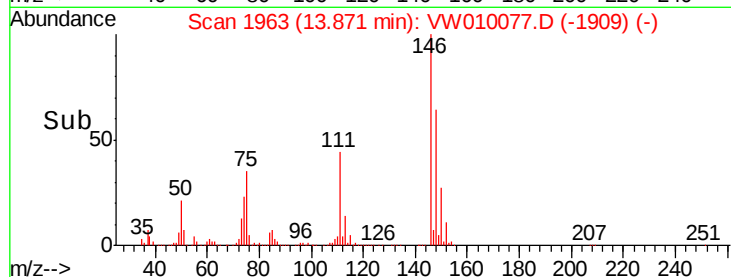
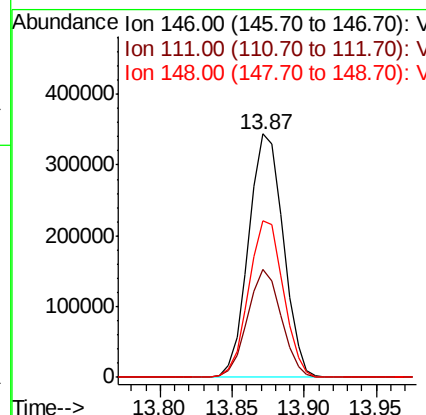
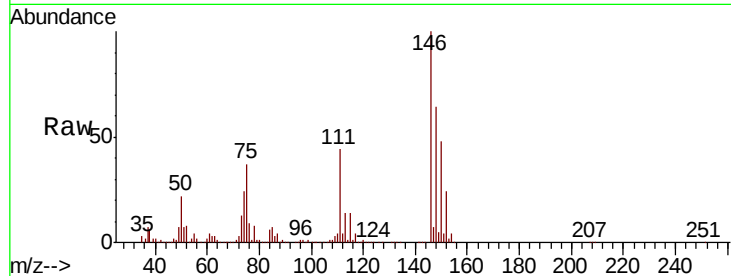




#65
 1,2-Dichlorobenzene
 Concen: 25.173 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW010077.D
 Acq: 22 Apr 2019 11:14

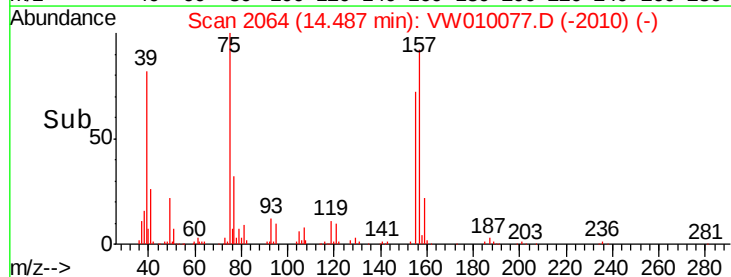
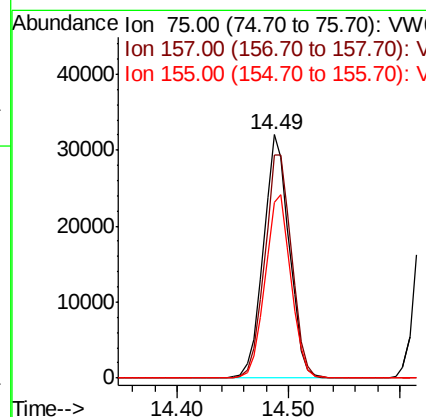
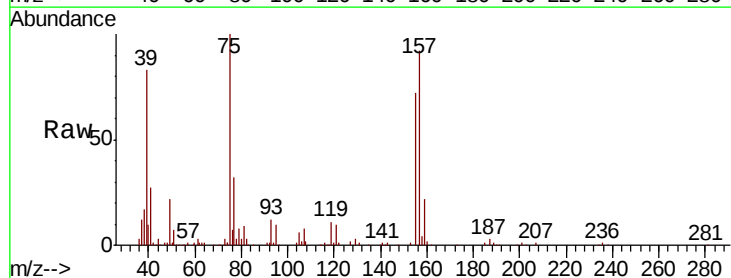
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

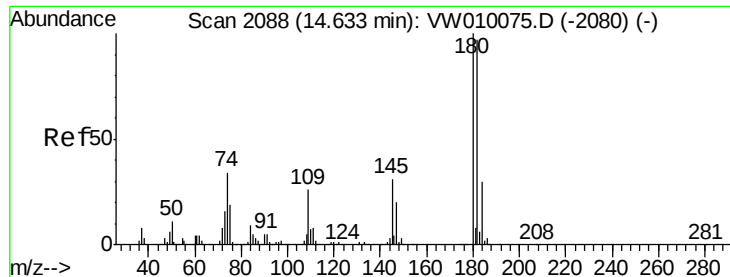
Tgt Ion: 146 Resp: 573209
 Ion Ratio Lower Upper
 146 100
 111 44.2 35.0 52.6
 148 64.4 50.4 75.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 22.468 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW010077.D
 Acq: 22 Apr 2019 11:14

Tgt Ion: 75 Resp: 51773
 Ion Ratio Lower Upper
 75 100
 157 91.8 73.3 109.9
 155 72.0 58.6 88.0

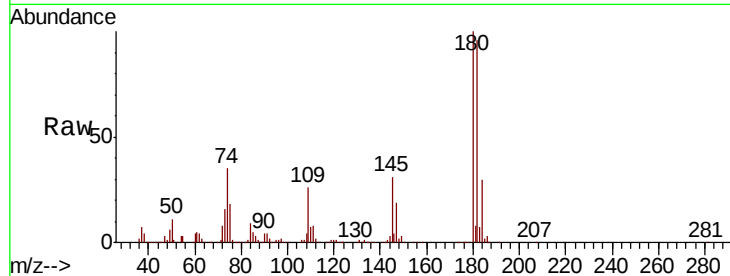




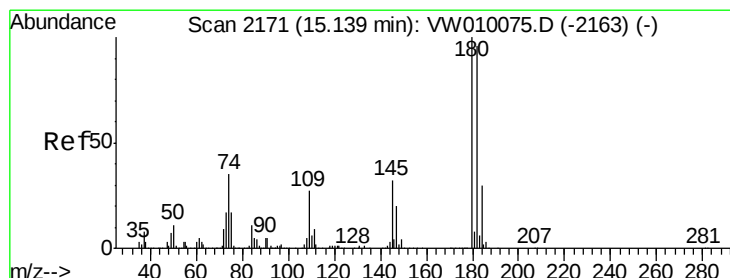
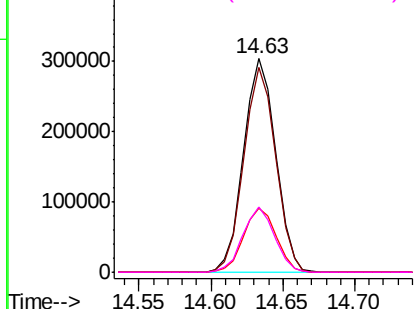
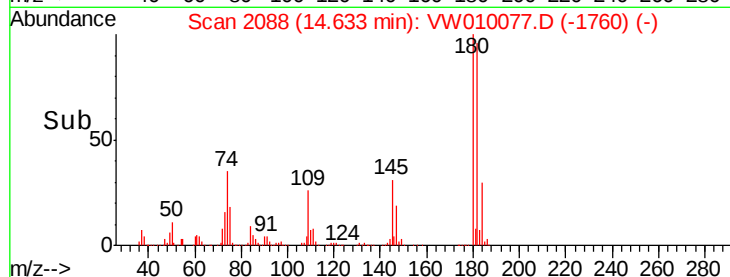
#67
 1,3,5-Trichlorobenzene
 Concen: 27.616 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW010077.D
 Acq: 22 Apr 2019 11:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

Tgt Ion:	180	Resp:	469441
Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.8	115.2
184	30.3	24.0	36.0
145	30.2	24.4	36.6

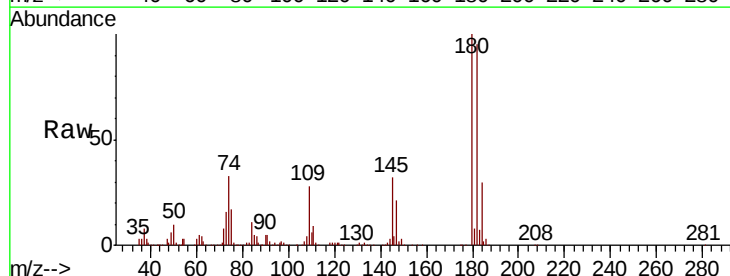


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

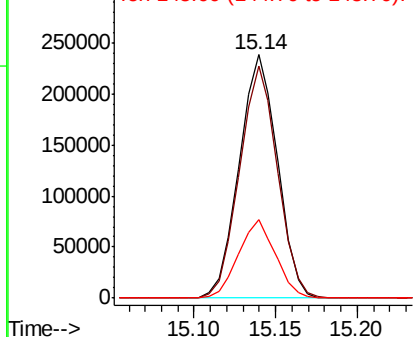
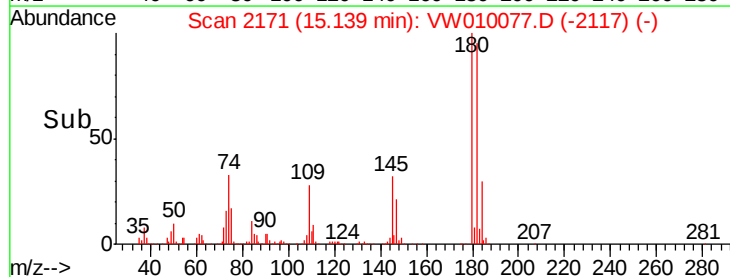


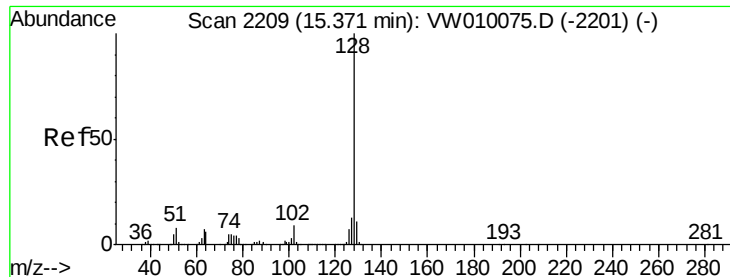
#68
 1,2,4-trichlorobenzene
 Concen: 27.936 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010077.D
 Acq: 22 Apr 2019 11:14

Tgt Ion:	180	Resp:	389019
Ion	Ratio	Lower	Upper
180	100		
182	94.7	75.4	113.0
145	31.4	25.0	37.4



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 27.828 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW010077.D

Acq: 22 Apr 2019 11:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

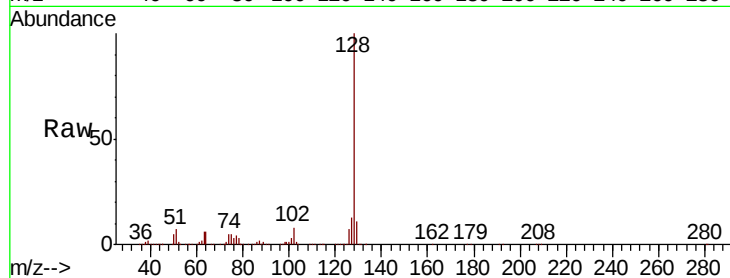
Tgt Ion:128 Resp: 831704

Ion Ratio Lower Upper

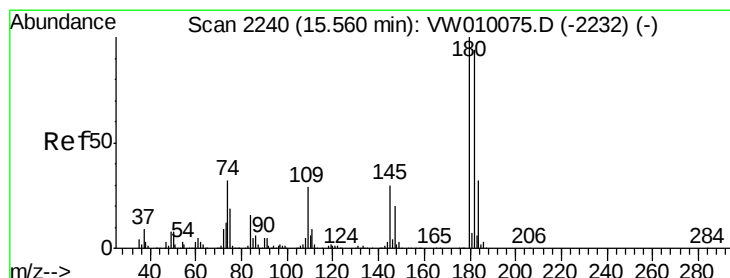
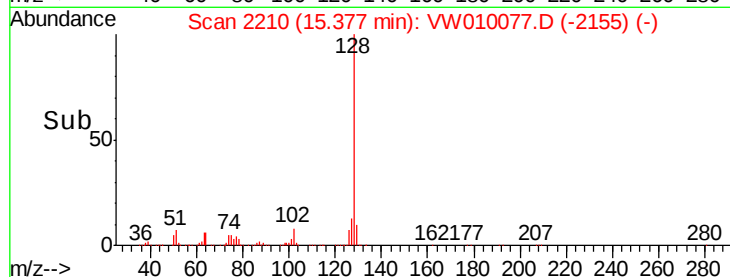
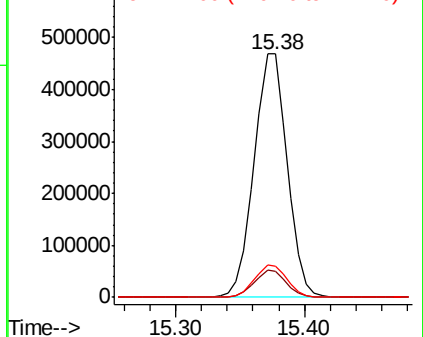
128 100

129 10.8 8.6 12.8

127 13.1 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 26.313 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW010077.D

Acq: 22 Apr 2019 11:14

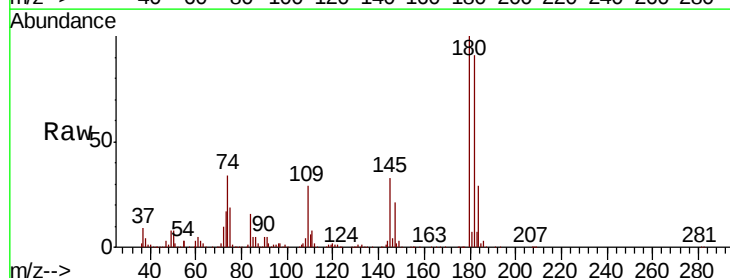
Tgt Ion:180 Resp: 349618

Ion Ratio Lower Upper

180 100

182 94.9 76.0 114.0

145 33.3 26.3 39.5



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

