

Data File : VW008935.D
Acq On : 01 Mar 2019 20:17
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02589

Quant Time: Mar 02 03:00:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM022019S.M
Quant Title : VOC Analysis
QLast Update : Sat Mar 02 02:55:16 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	421266	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	418282	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	227401	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	141778	21.63	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.52%
7) Chloroethane-d5	2.88	69	135739	23.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.28%
10) 1,1-Dichloroethene-d2	4.02	63	241672	22.17	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.68%
20) 2-Butanone-d5	7.08	46	89929	46.02	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.04%
24) Chloroform-d	7.65	84	244291	23.98	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.92%
26) 1,2-Dichloroethane-d4	8.31	65	147740	24.58	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.32%
29) Benzene-d6	8.27	84	510611	25.43	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.72%
33) 1,2-Dichloropropane-d6	9.27	67	148367	25.22	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.88%
37) Toluene-d8	10.32	98	524836	26.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	104.40%
38) trans-1,3-Dichloropropene-	10.58	79	71219	24.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.64%
39) 2-Hexanone-d5	10.93	63	78147	48.76	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.52%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	147641	25.00	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.00%
61) 1,2-Dichlorobenzene-d4	13.86	152	212519	26.22	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.88%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	198457	24.524 ug/L	95
3) Chloromethane	2.21	50	190465	22.770 ug/L	96
5) Vinyl chloride	2.35	62	192873	22.490 ug/L	98
6) Bromomethane	2.76	94	124880	21.961 ug/L	99
8) Chloroethane	2.92	64	126762	22.076 ug/L	99
9) Trichlorofluoromethane	3.26	101	236366	23.048 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	136822	22.590 ug/L	99
12) 1,1-Dichloroethene	4.04	96	115245	21.932 ug/L	91
13) Acetone	4.12	43	76802	41.425 ug/L	100
14) Carbon disulfide	4.37	76	412967	22.743 ug/L	100
15) Methyl Acetate	4.68	43	75494	20.416 ug/L	95
16) Methylene chloride	4.92	84	157429	23.111 ug/L	87
17) Methyl tert-butyl Ether	5.43	73	323391	21.884 ug/L #	89
18) trans-1,2-Dichloroethene	5.43	96	131785	22.780 ug/L	95
19) 1,1-Dichloroethane	6.22	63	227771	23.188 ug/L	98
21) 2-Butanone	7.17	43	100643	38.796 ug/L	96
22) cis-1,2-Dichloroethene	7.17	96	143359	23.105 ug/L	96

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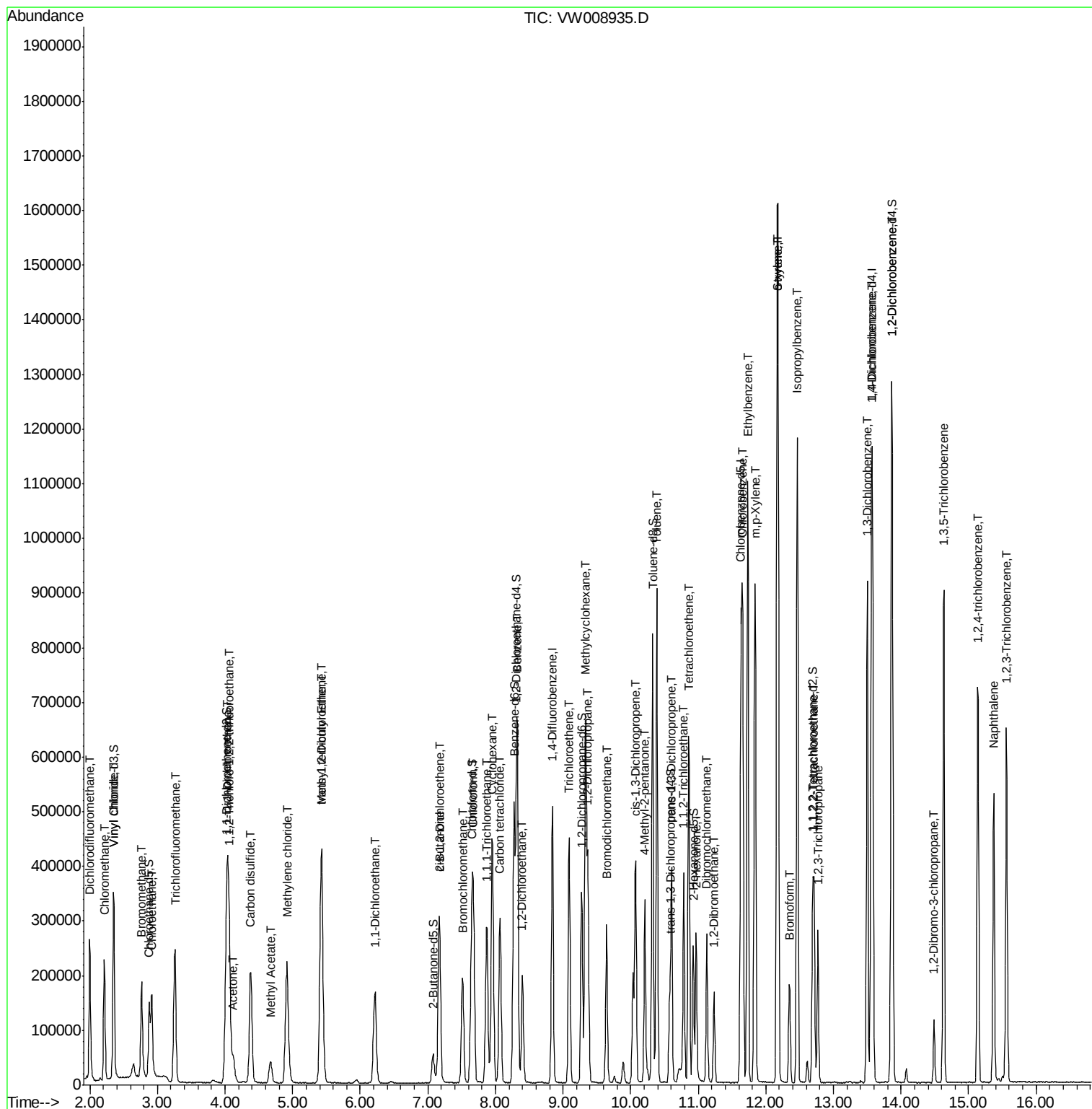
23) Bromochloromethane	7.51	128	67131	23.646	ug/L #	90
25) Chloroform	7.67	83	256373	24.794	ug/L	99
27) 1,2-Dichloroethane	8.40	62	173679	23.096	ug/L #	95
30) Cyclohexane	7.96	56	224821	22.835	ug/L	95
31) 1,1,1-Trichloroethane	7.87	97	225414	23.343	ug/L	97
32) Carbon tetrachloride	8.07	117	203088	23.012	ug/L	98
34) Benzene	8.32	78	550042	24.240	ug/L	100
35) Trichloroethene	9.09	95	140154	22.883	ug/L	95
36) Methylcyclohexane	9.34	83	254047	23.376	ug/L	97
40) 1,2-Dichloropropane	9.37	63	137389	24.510	ug/L	98
41) Bromodichloromethane	9.64	83	179229	23.515	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	212001	23.316	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	220287	43.516	ug/L	96
44) Toluene	10.39	91	647412	24.817	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	188685	23.239	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	106467	22.717	ug/L	99
47) Tetrachloroethene	10.86	164	135091	24.228	ug/L	95
49) 2-Hexanone	10.97	43	170375	42.908	ug/L	93
50) Dibromochloromethane	11.13	129	133255	23.454	ug/L	96
51) 1,2-Dibromoethane	11.23	107	108237	22.831	ug/L	99
52) Chlorobenzene	11.66	112	426991	24.320	ug/L	97
53) Ethylbenzene	11.73	91	741981	24.479	ug/L	99
54) m,p-Xylene	11.84	106	289910	24.323	ug/L	93
55) o-xylene	12.17	106	276736	24.135	ug/L	91
56) Styrene	12.18	104	474757	24.688	ug/L	93
57) Isopropylbenzene	12.46	105	737523	24.112	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	142750	22.703	ug/L #	97
59) 1,2,3-Trichloropropane	12.77	75	103932	22.356	ug/L	99
62) Bromoform	12.35	173	79995	22.722	ug/L #	98
63) 1,3-Dichlorobenzene	13.50	146	360932	24.318	ug/L	95
64) 1,4-Dichlorobenzene	13.58	146	361610	23.982	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	333835	24.283	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	26473	21.687	ug/L	86
67) 1,3,5-Trichlorobenzene	14.63	180	274210	23.465	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	226988	22.551	ug/L	98
69) Naphthalene	15.37	128	440923	21.278	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	214432	23.183	ug/L	97

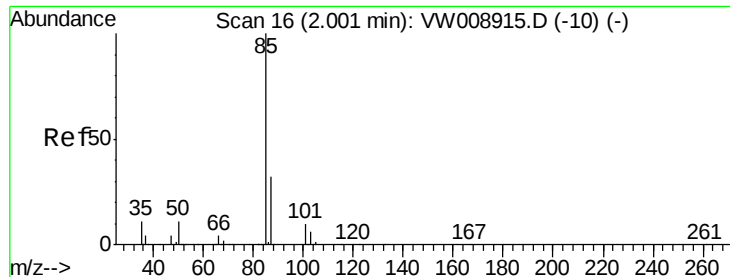
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 24.524 ug/L

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW008935.D

Acq: 01 Mar 2019 20:17

Instrument :

MSVOA_W

ClientSampleId :

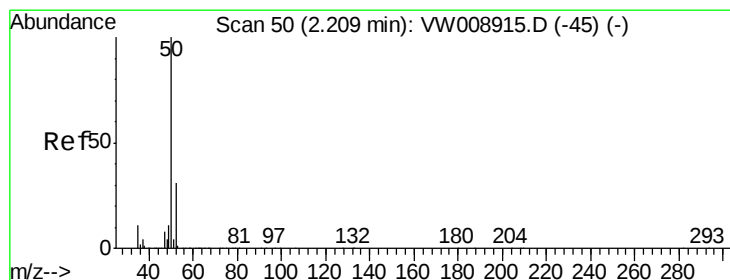
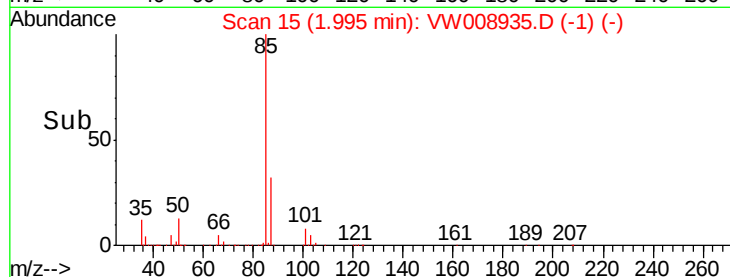
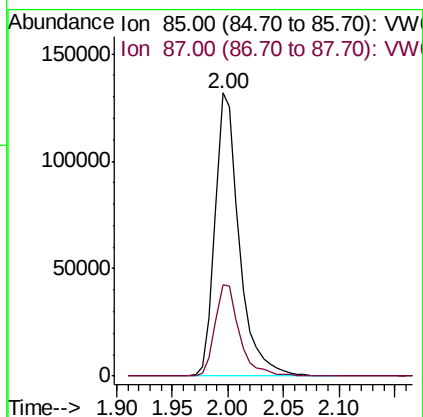
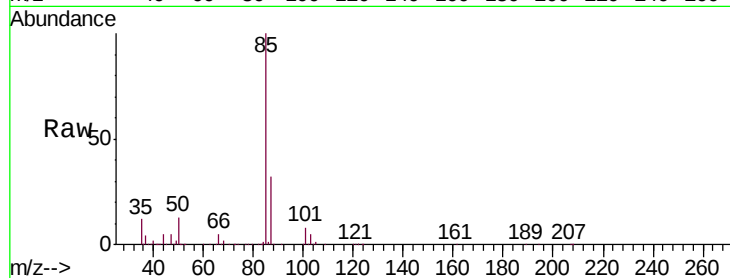
VSTD02589

Tgt Ion: 85 Resp: 198457

Ion Ratio Lower Upper

85 100

87 32.4 20.6 38.4



#3

Chloromethane

Concen: 22.770 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW008935.D

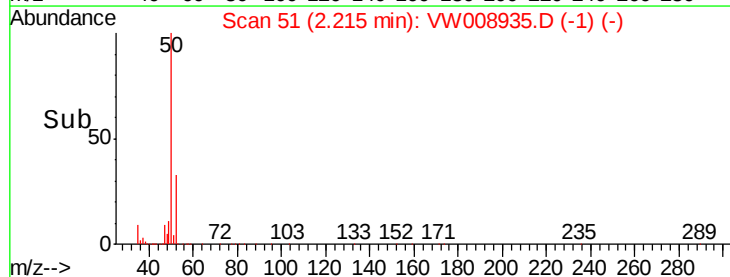
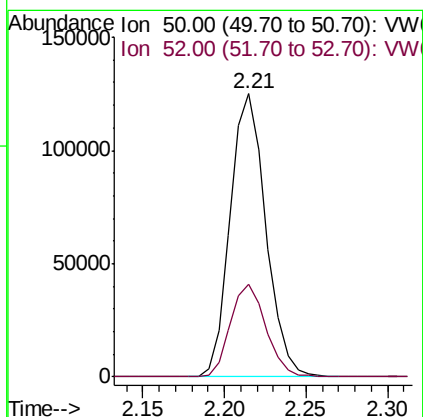
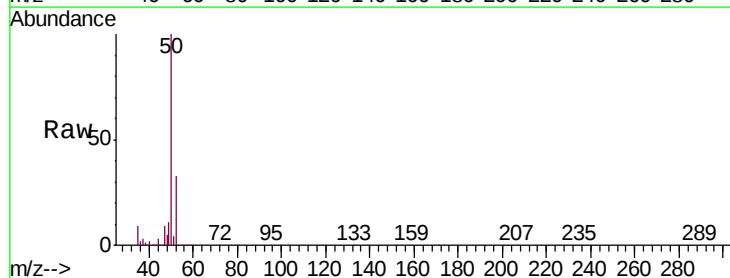
Acq: 01 Mar 2019 20:17

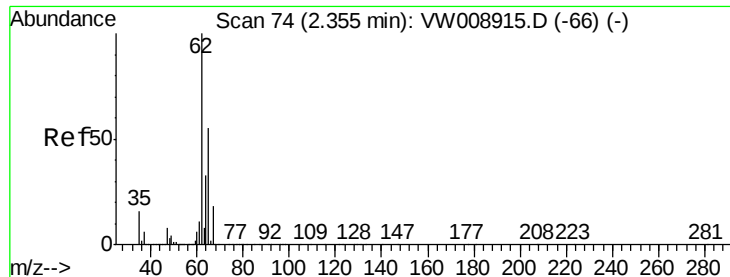
Tgt Ion: 50 Resp: 190465

Ion Ratio Lower Upper

50 100

52 33.0 21.4 39.8





#5

Vinyl chloride

Concen: 22.490 ug/L

RT: 2.35 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW008935.D

Acq: 01 Mar 2019 20:17

Instrument :

MSVOA_W

ClientSampleId :

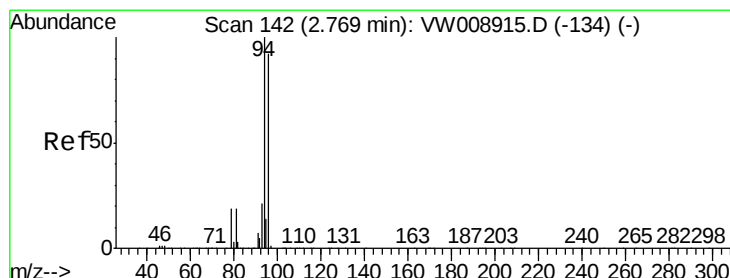
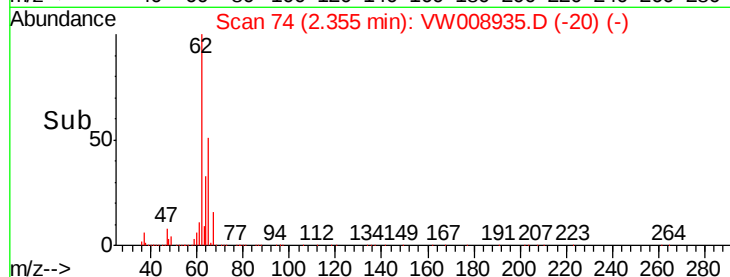
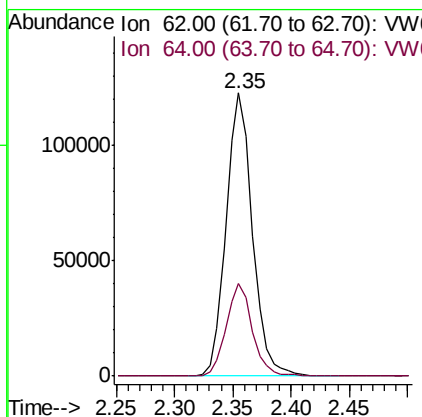
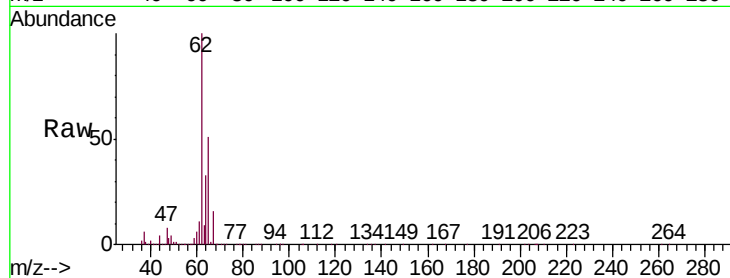
VSTD02589

Tgt Ion: 62 Resp: 192873

Ion Ratio Lower Upper

62 100

64 32.7 22.0 41.0



#6

Bromomethane

Concen: 21.961 ug/L

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW008935.D

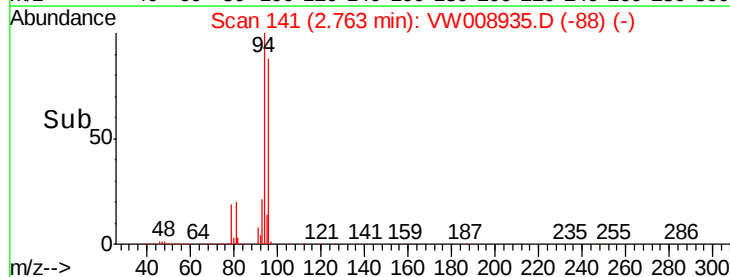
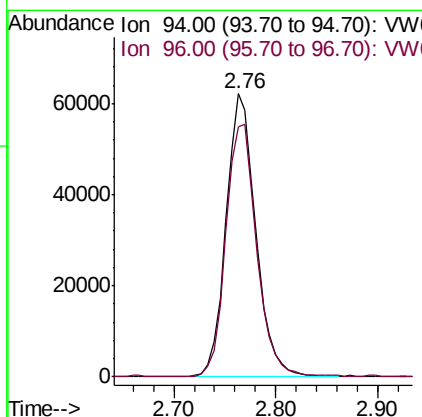
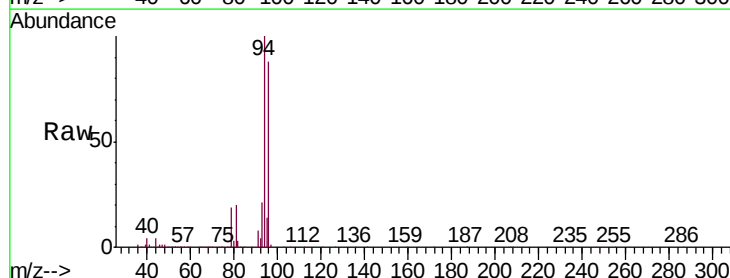
Acq: 01 Mar 2019 20:17

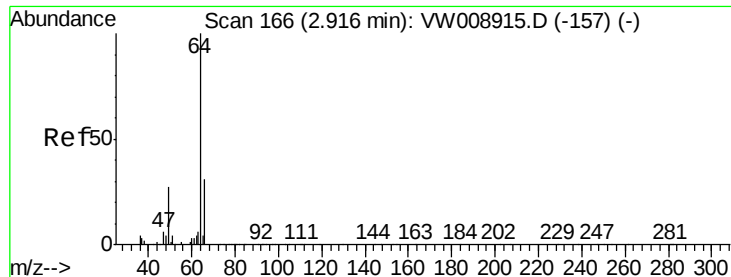
Tgt Ion: 94 Resp: 124880

Ion Ratio Lower Upper

94 100

96 92.8 9.2 175.4





#8

Chloroethane

Concen: 22.076 ug/L

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW008935.D

Acq: 01 Mar 2019 20:17

Instrument :

MSVOA_W

ClientSampleId :

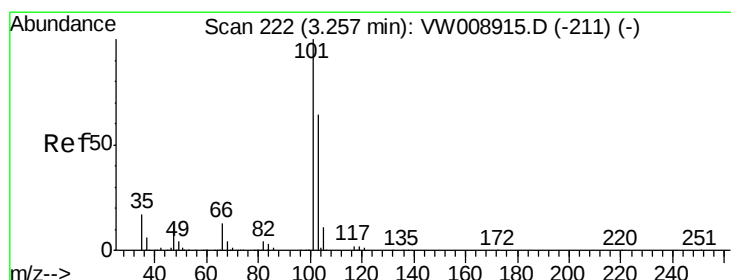
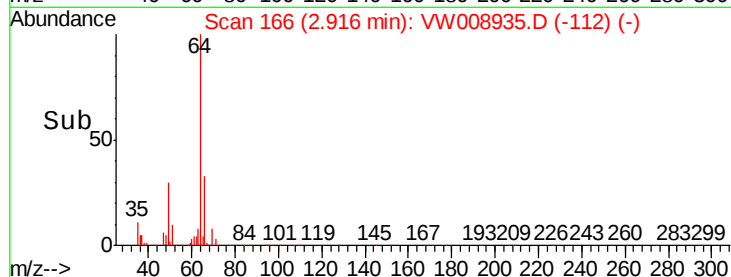
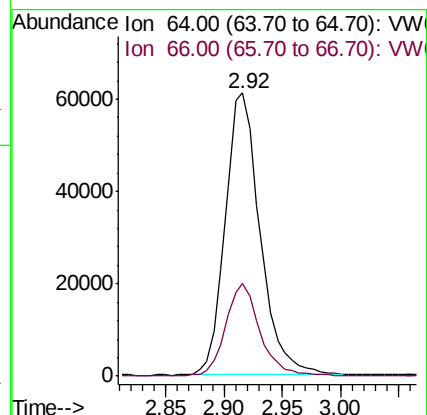
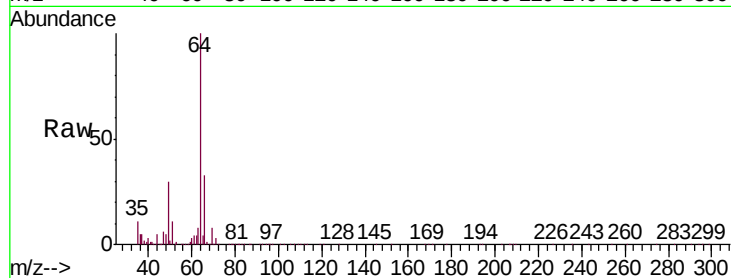
VSTD02589

Tgt Ion: 64 Resp: 126762

Ion Ratio Lower Upper

64 100

66 32.8 23.3 43.3



#9

Trichlorofluoromethane

Concen: 23.048 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW008935.D

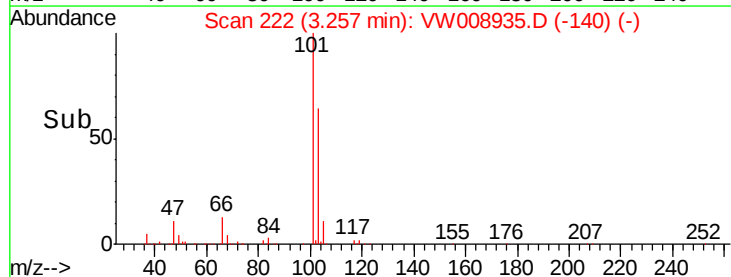
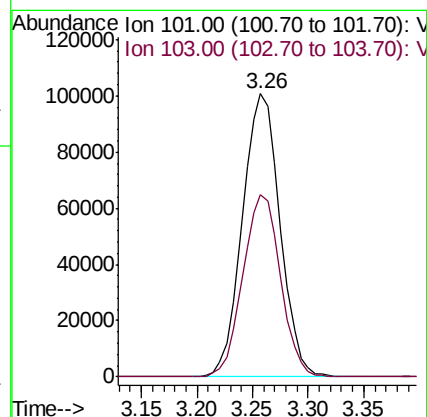
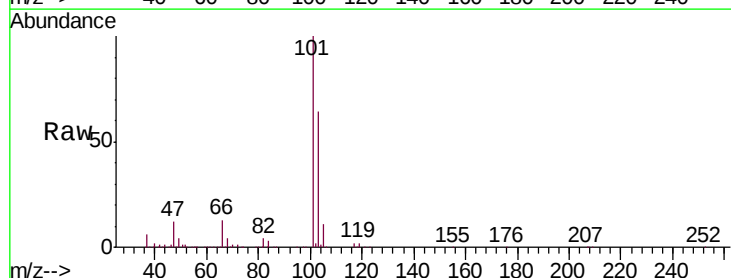
Acq: 01 Mar 2019 20:17

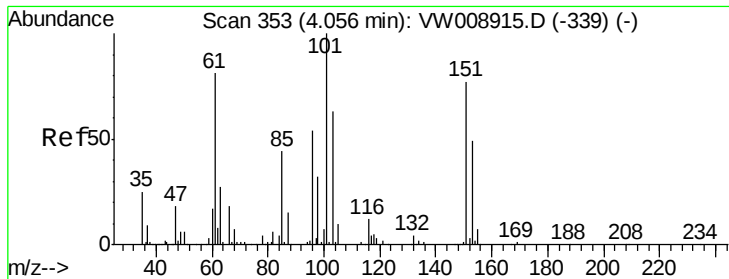
Tgt Ion: 101 Resp: 236366

Ion Ratio Lower Upper

101 100

103 64.3 44.7 83.1





#11

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

Concen: 22.590 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

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Acq: 01 Mar 2019 20:17

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ClientSampleId :

VSTD02589

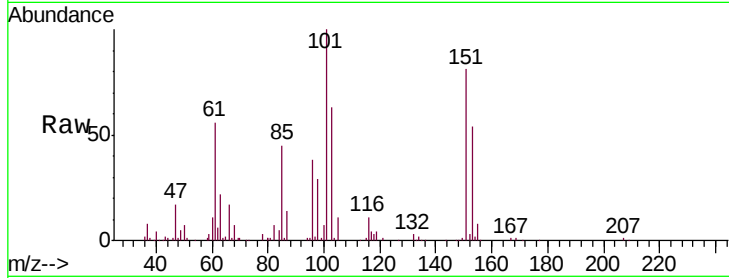
Tgt Ion:101 Resp: 136822

Ion Ratio Lower Upper

101 100

85 43.7 33.4 50.2

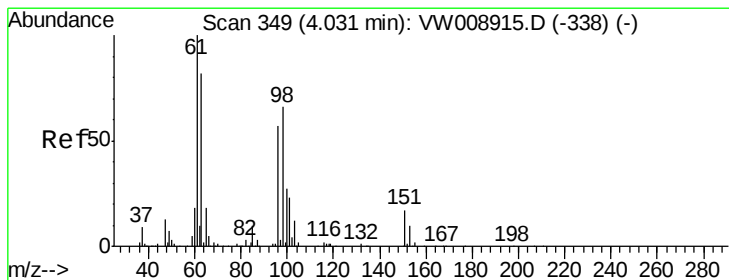
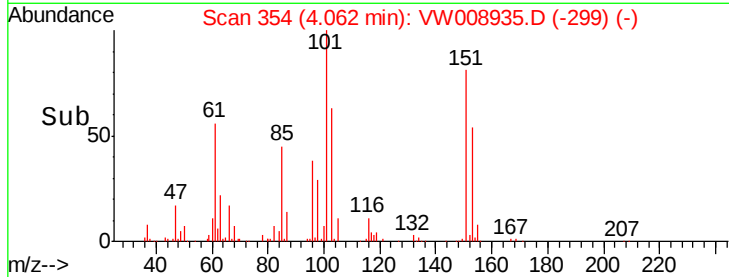
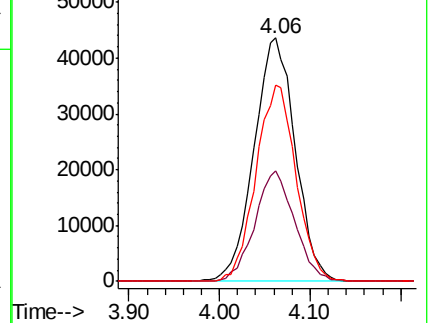
151 78.4 63.2 94.8



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: 21.932 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

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Acq: 01 Mar 2019 20:17

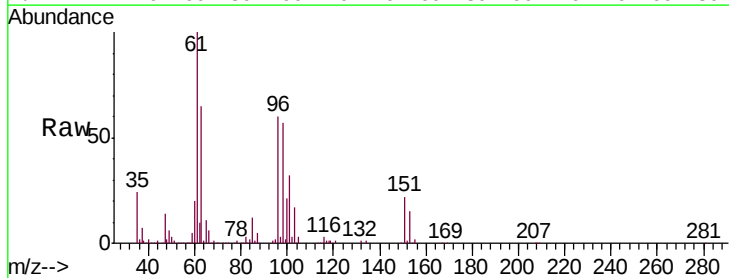
Tgt Ion: 96 Resp: 115245

Ion Ratio Lower Upper

96 100

61 167.8 120.3 223.3

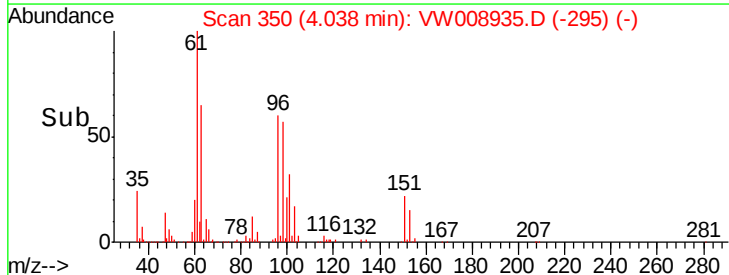
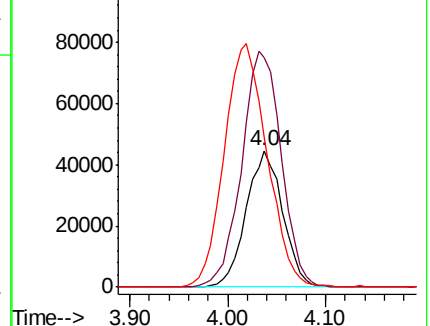
63 109.7 91.6 170.0

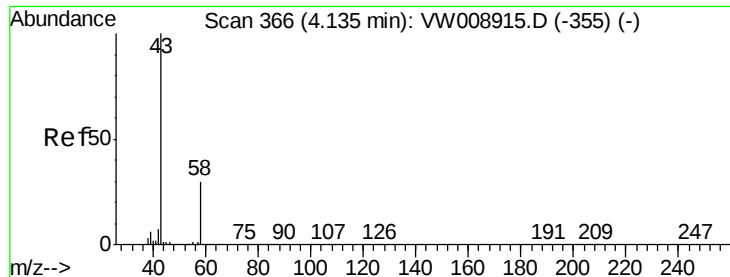


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 41.425 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

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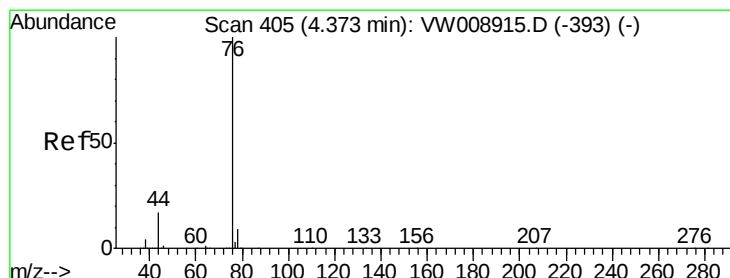
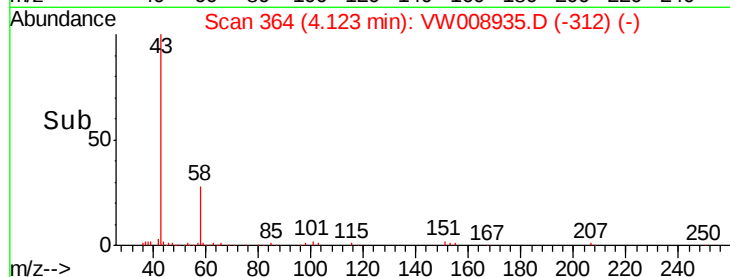
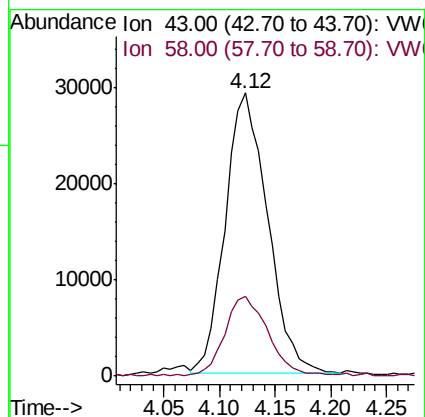
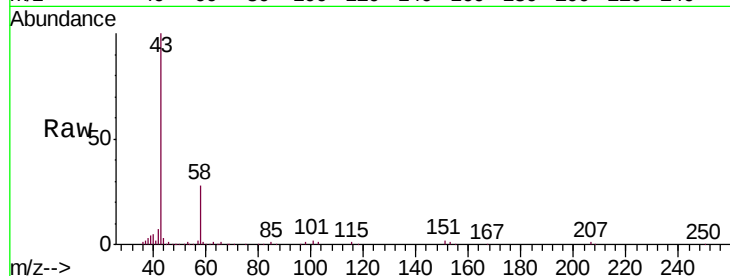
VSTD02589

Tgt Ion: 43 Resp: 76802

Ion Ratio Lower Upper

43 100

58 29.5 0.0 58.6



#14

Carbon disulfide

Concen: 22.743 ug/L

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW008935.D

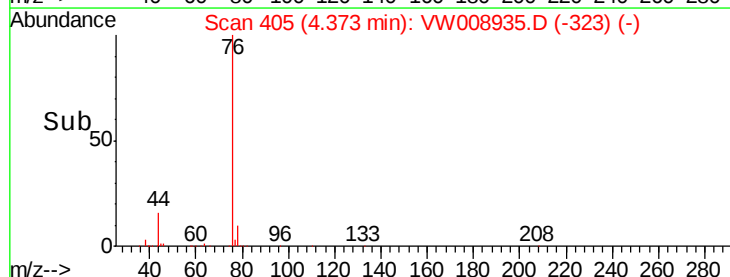
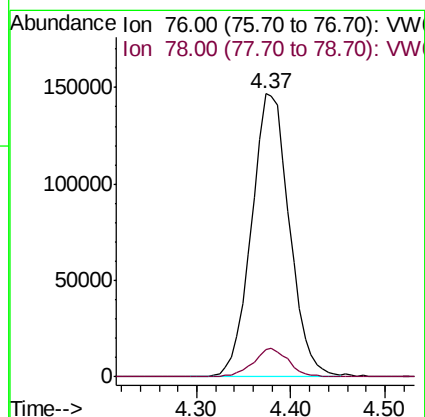
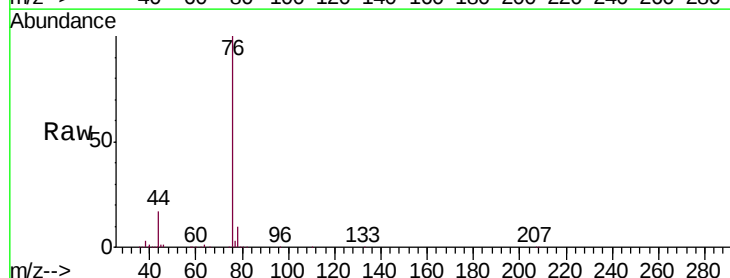
Acq: 01 Mar 2019 20:17

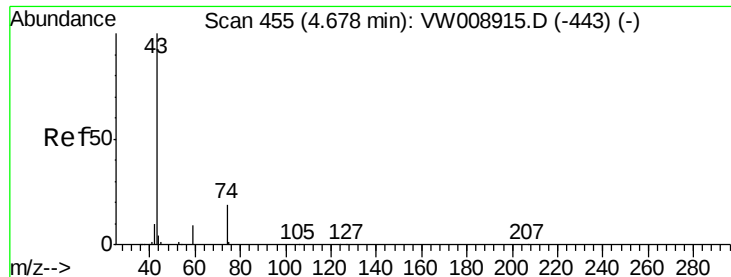
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Ion Ratio Lower Upper

76 100

78 9.6 7.5 11.3

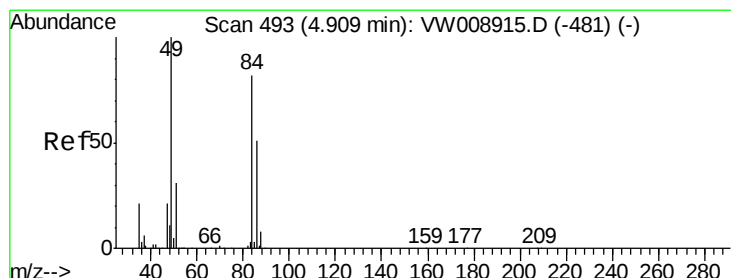
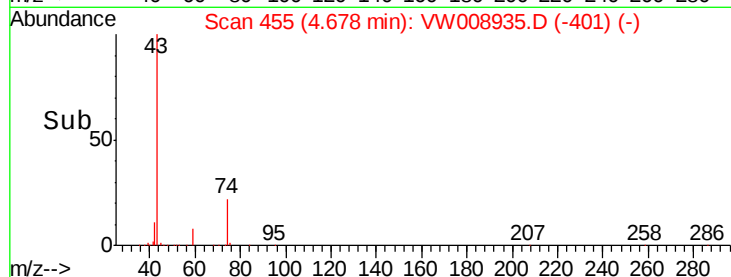
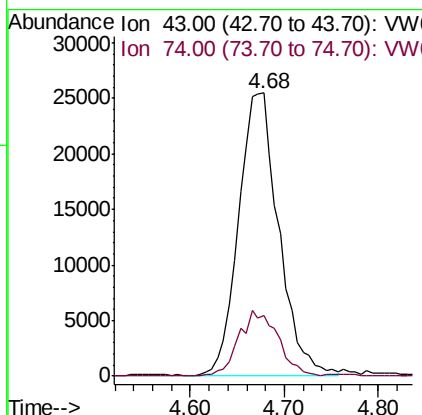
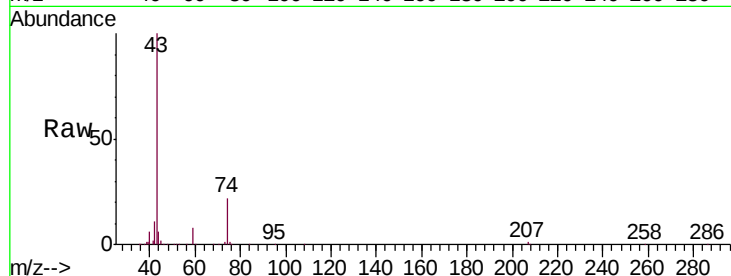




#15
Methyl Acetate
Concen: 20.416 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW008935.D
Acq: 01 Mar 2019 20:17

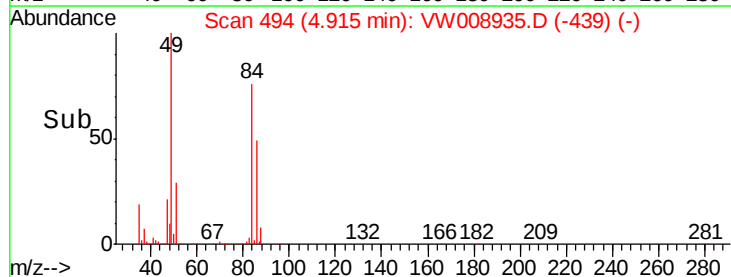
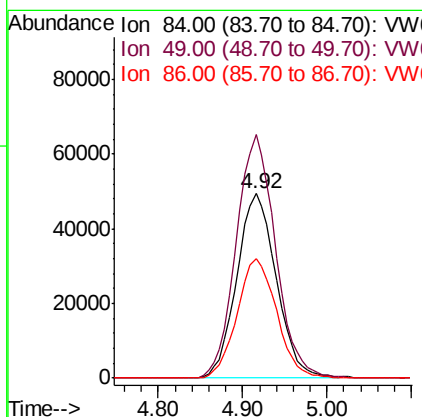
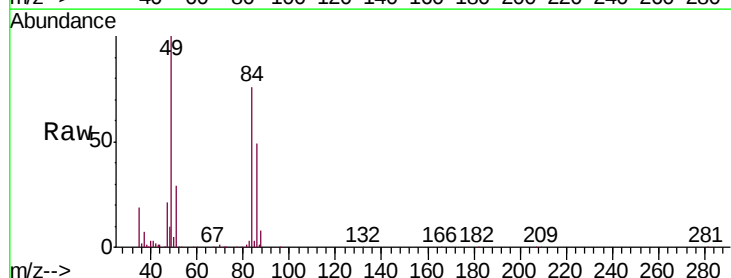
Instrument :
MSVOA_W
ClientSampleId :
VSTD02589

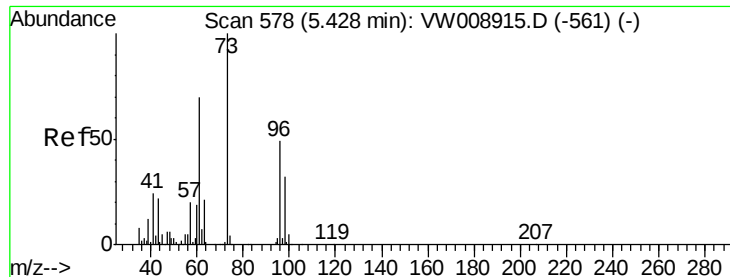
Tgt Ion: 43 Resp: 75494
Ion Ratio Lower Upper
43 100
74 22.8 20.2 30.2



#16
Methylene chloride
Concen: 23.111 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW008935.D
Acq: 01 Mar 2019 20:17

Tgt Ion: 84 Resp: 157429
Ion Ratio Lower Upper
84 100
49 132.2 79.2 147.0
86 64.6 43.2 80.2

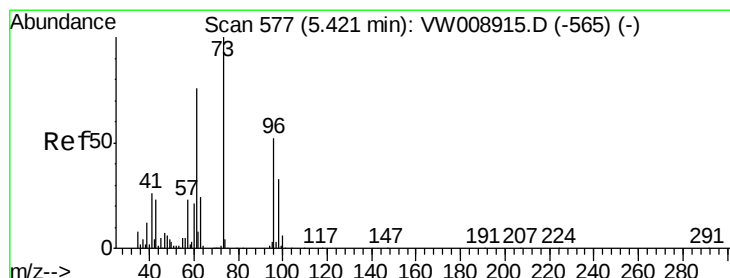
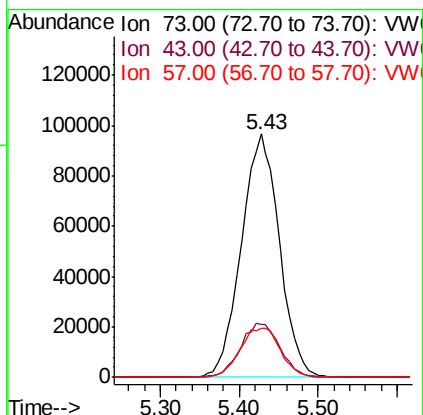
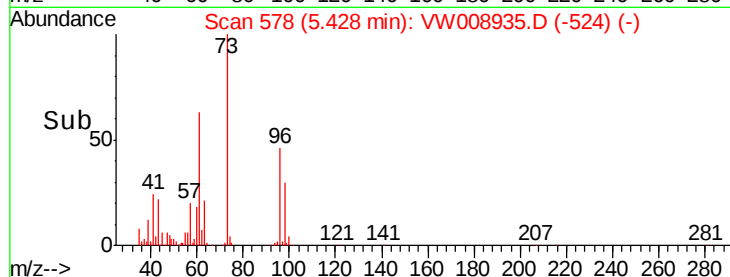
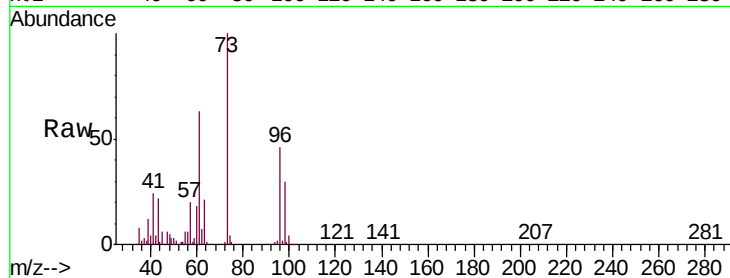




#17
Methyl tert-butyl Ether
Concen: 21.884 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW008935.D
Acq: 01 Mar 2019 20:17

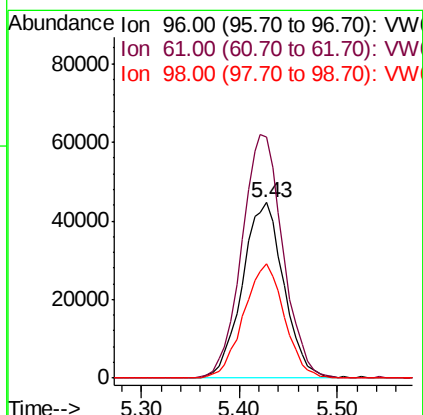
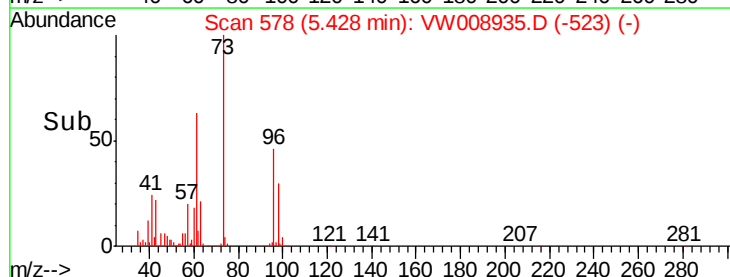
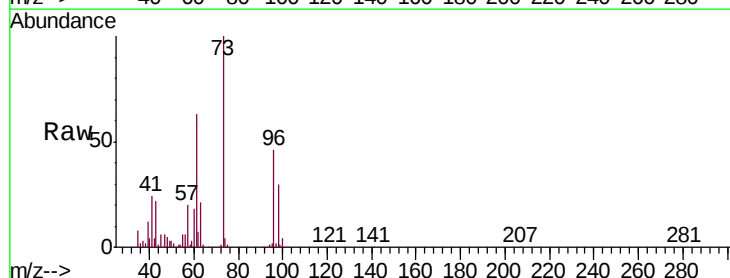
Instrument :
MSVOA_W
ClientSampleId :
VSTD02589

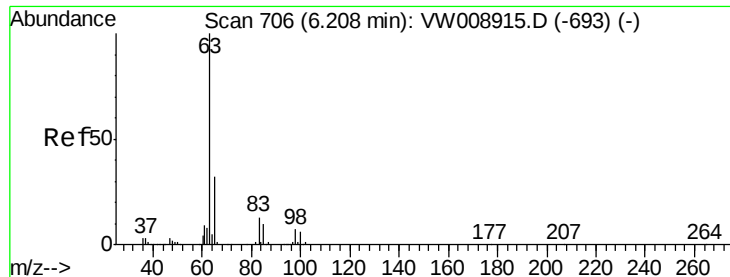
Tgt Ion: 73 Resp: 323391
Ion Ratio Lower Upper
73 100
43 23.2 18.5 27.7
57 10.1 16.4 24.6#



#18
trans-1,2-Dichloroethene
Concen: 22.780 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW008935.D
Acq: 01 Mar 2019 20:17

Tgt Ion: 96 Resp: 131785
Ion Ratio Lower Upper
96 100
61 137.2 91.4 169.8
98 65.2 48.0 89.2

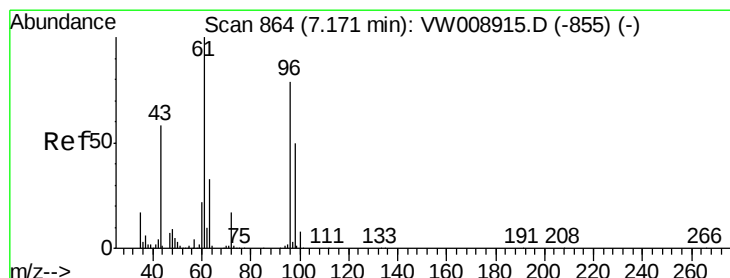
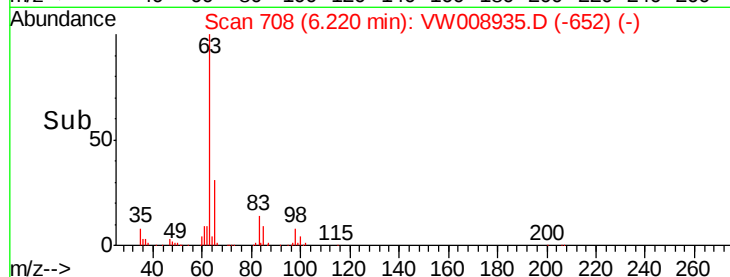
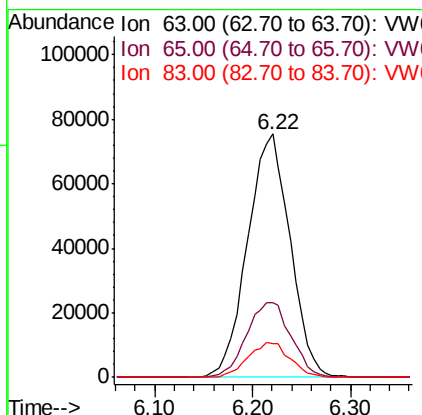
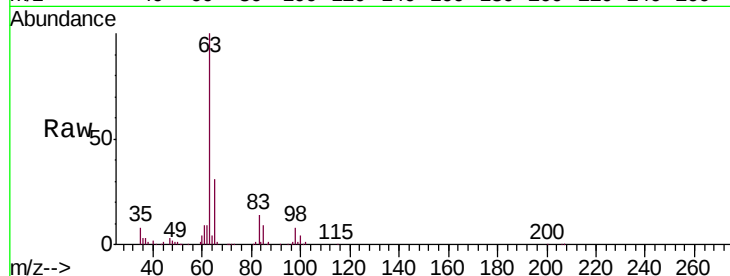




#19
 1,1-Dichloroethane
 Concen: 23.188 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. 0.01 min
 Lab File: VW008935.D
 Acq: 01 Mar 2019 20:17

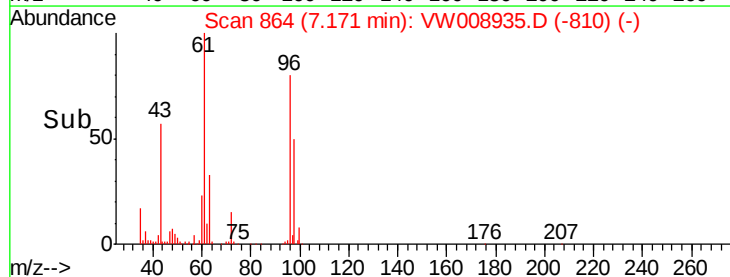
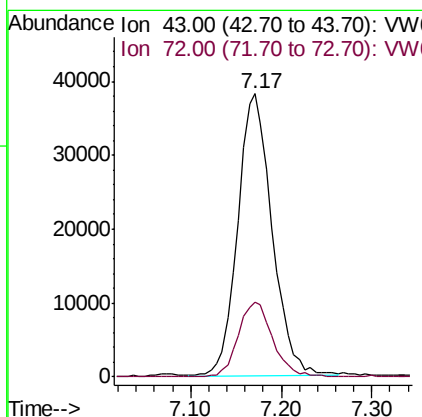
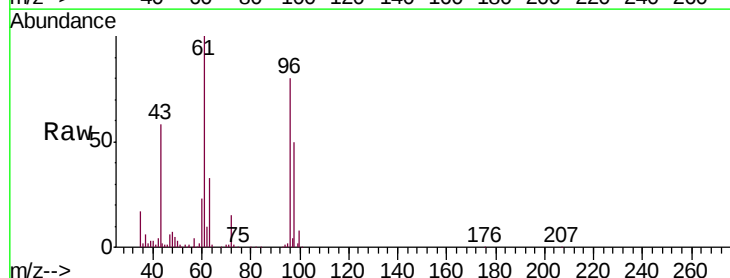
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02589

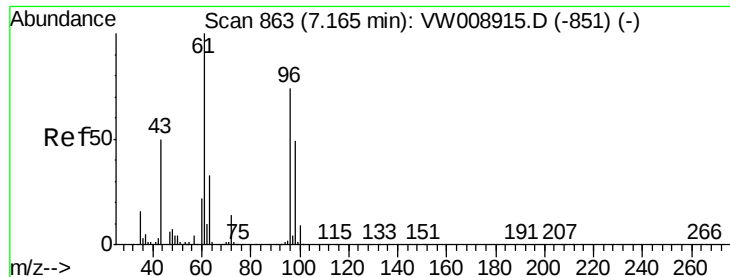
Tgt Ion: 63 Resp: 227771
 Ion Ratio Lower Upper
 63 100
 65 30.8 20.6 38.4
 83 13.7 10.0 18.6



#21
 2-Butanone
 Concen: 38.796 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW008935.D
 Acq: 01 Mar 2019 20:17

Tgt Ion: 43 Resp: 100643
 Ion Ratio Lower Upper
 43 100
 72 26.6 14.4 43.4



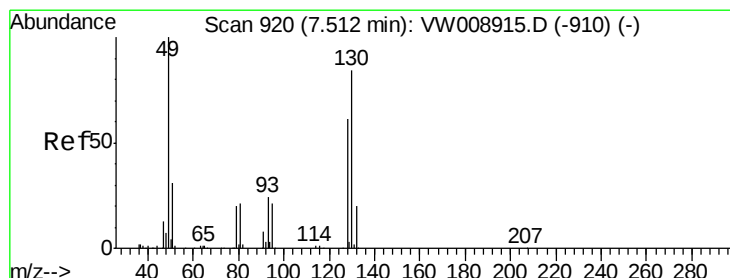
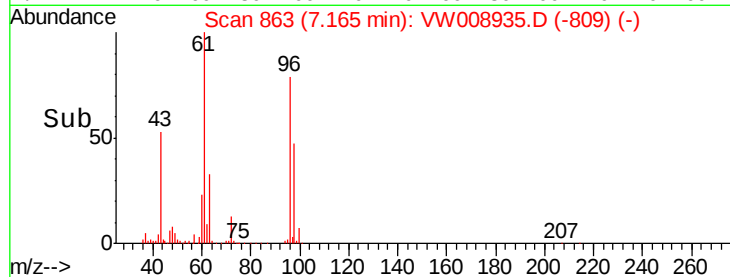
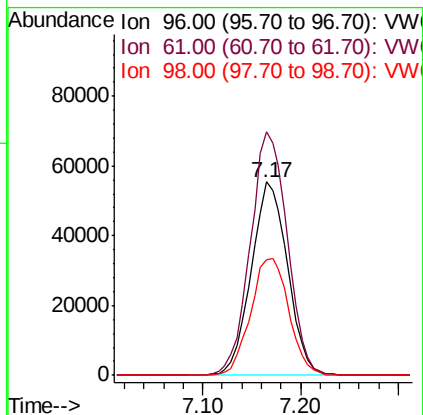
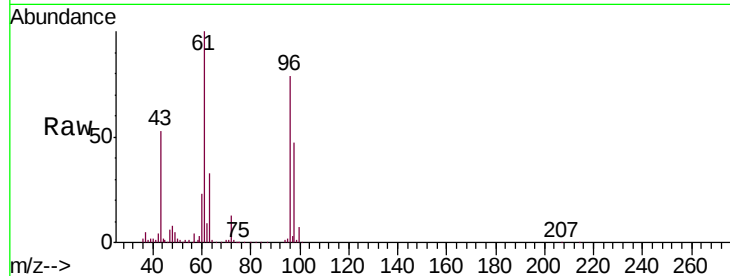


#22

cis-1,2-Dichloroethene
Concen: 23.105 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW008935.D
Acq: 01 Mar 2019 20:17

Instrument :
MSVOA_W
ClientSampleId :
VSTD02589

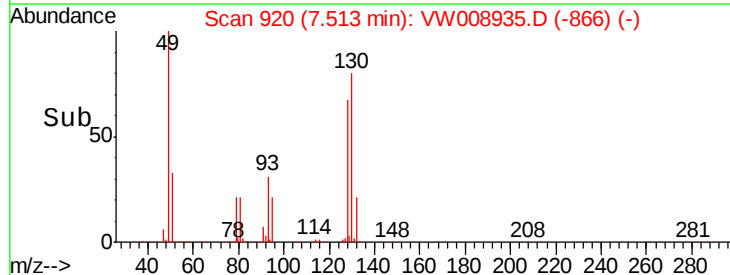
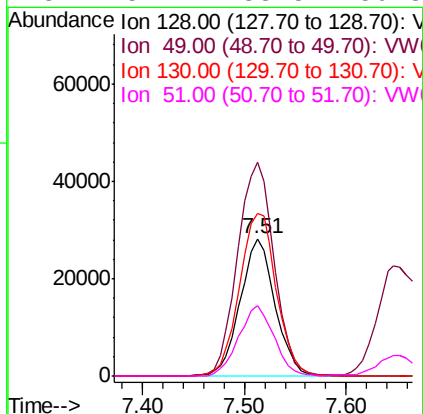
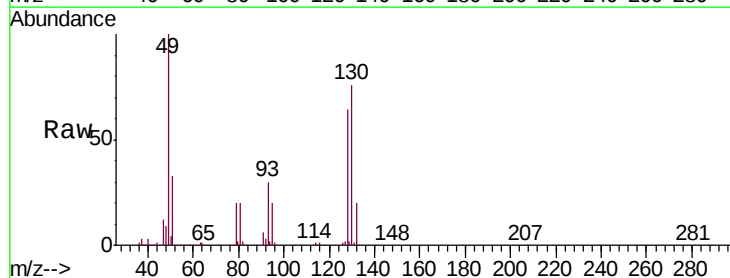
Tgt Ion: 96 Resp: 143359
Ion Ratio Lower Upper
96 100
61 126.0 83.4 155.0
98 59.8 42.3 78.5

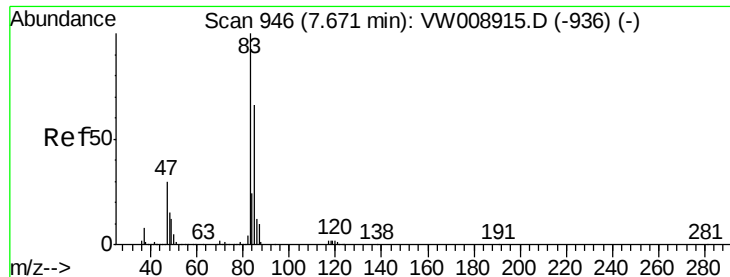


#23

Bromochloromethane
Concen: 23.646 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW008935.D
Acq: 01 Mar 2019 20:17

Tgt Ion: 128 Resp: 67131
Ion Ratio Lower Upper
128 100
49 155.4 96.9 180.1
130 118.1 86.2 160.0
51 51.2 33.5 50.3#





#25

Chloroform

Concen: 24.794 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW008935.D

Acq: 01 Mar 2019 20:17

Instrument :

MSVOA_W

ClientSampleId :

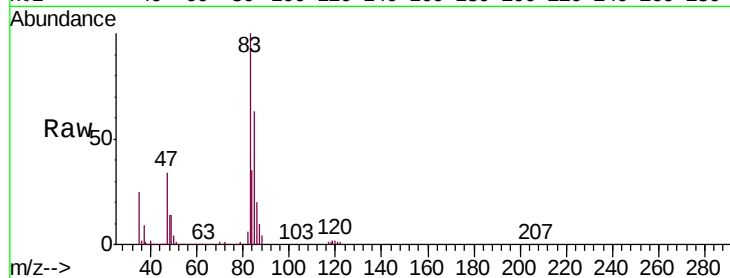
VSTD02589

Tgt Ion: 83 Resp: 256373

Ion Ratio Lower Upper

83 100

85 64.7 45.8 85.2



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

120000

100000

80000

60000

40000

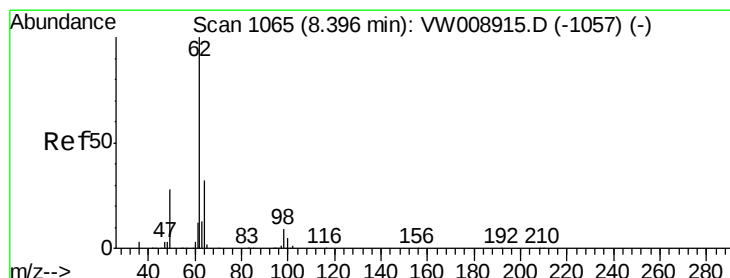
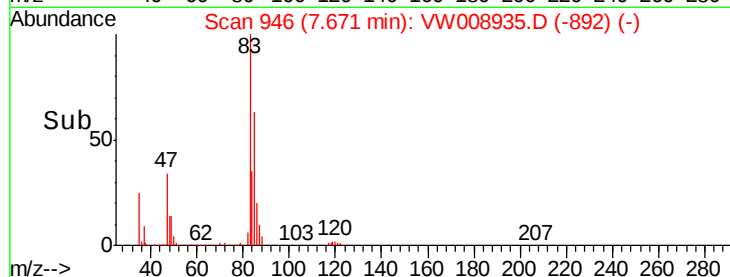
20000

0

7.60

7.70

Time-->



#27

1,2-Dichloroethane

Concen: 23.096 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW008935.D

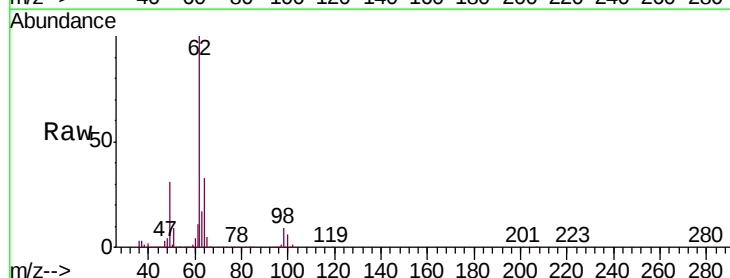
Acq: 01 Mar 2019 20:17

Tgt Ion: 62 Resp: 173679

Ion Ratio Lower Upper

62 100

98 8.7 5.4 8.2#



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

80000

60000

40000

20000

0

8.30

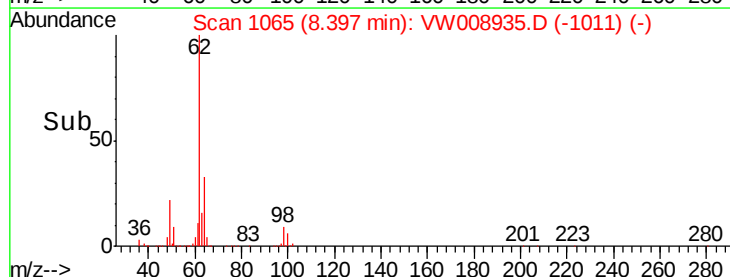
8.35

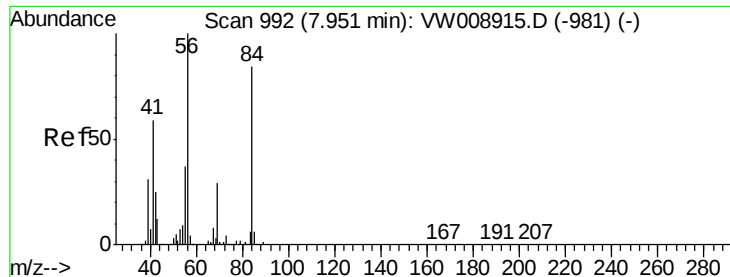
8.40

8.45

8.50

Time-->

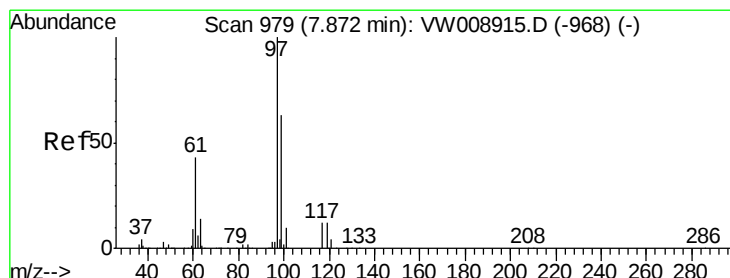
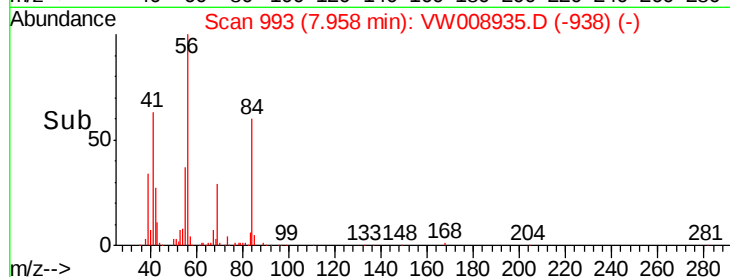
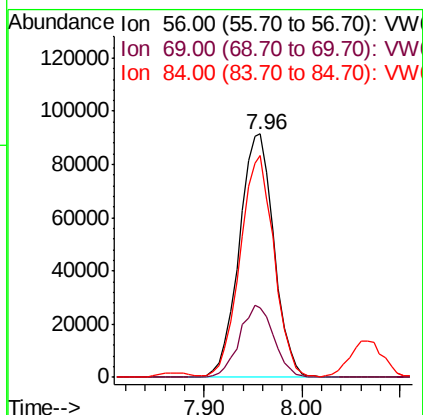
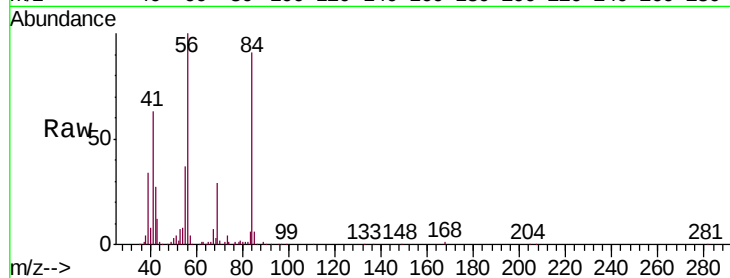




#30
Cyclohexane
Concen: 22.835 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW008935.D
Acq: 01 Mar 2019 20:17

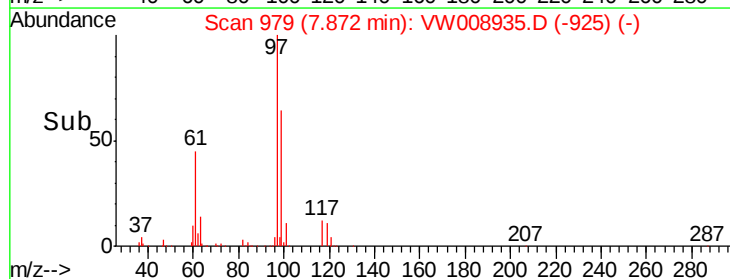
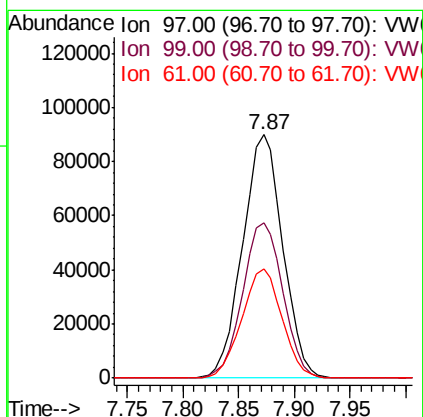
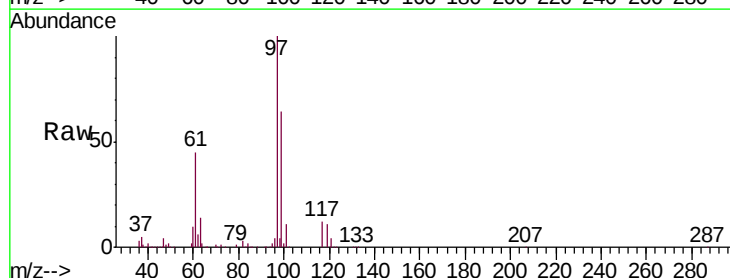
Instrument :
MSVOA_W
ClientSampleId :
VSTD02589

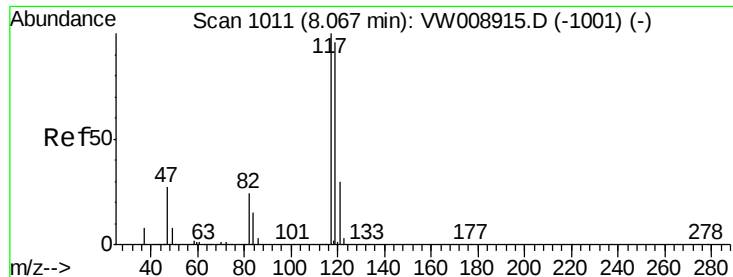
Tgt Ion: 56 Resp: 224821
Ion Ratio Lower Upper
56 100
69 29.4 26.2 39.4
84 88.6 74.3 111.5



#31
1,1,1-Trichloroethane
Concen: 23.343 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW008935.D
Acq: 01 Mar 2019 20:17

Tgt Ion: 97 Resp: 225414
Ion Ratio Lower Upper
97 100
99 64.3 52.3 78.5
61 44.9 33.5 50.3





#32

Carbon tetrachloride

Concen: 23.012 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW008935.D

Acq: 01 Mar 2019 20:17

Instrument :

MSVOA_W

ClientSampleId :

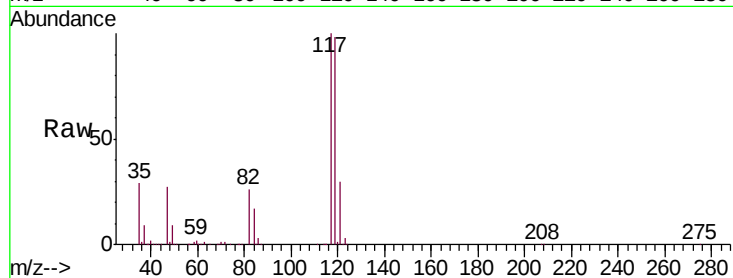
VSTD02589

Tgt Ion:117 Resp: 203088

Ion Ratio Lower Upper

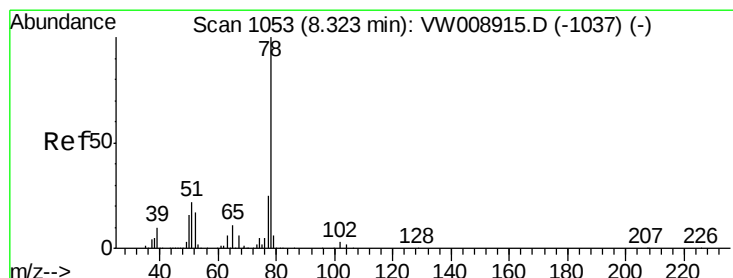
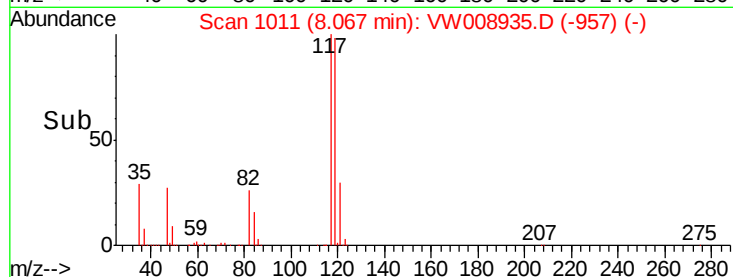
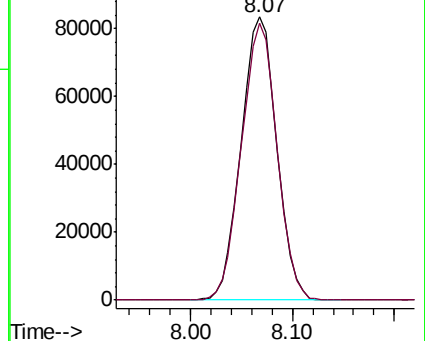
117 100

119 97.4 76.0 114.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.240 ug/L

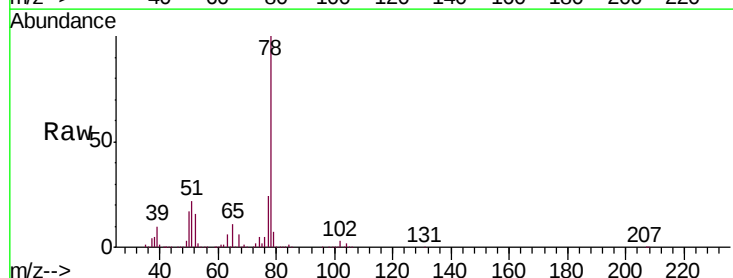
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

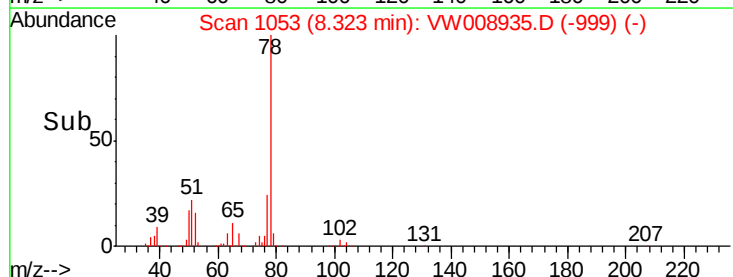
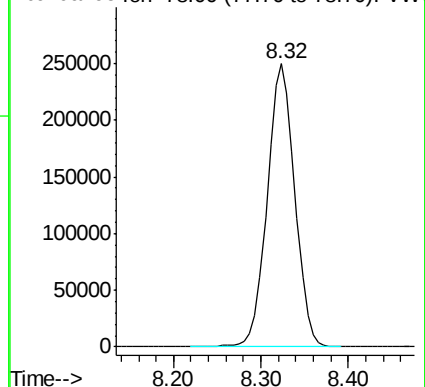
Lab File: VW008935.D

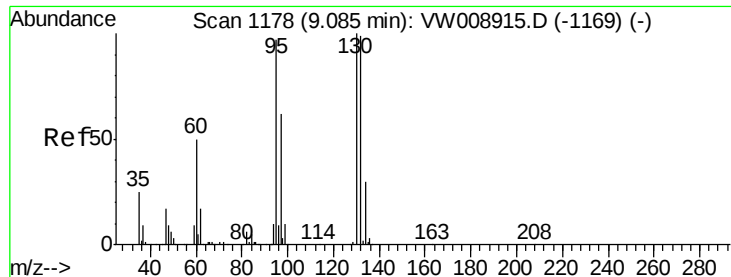
Acq: 01 Mar 2019 20:17

Tgt Ion: 78 Resp: 550042



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 22.883 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW008935.D

Acq: 01 Mar 2019 20:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD02589

Tgt Ion: 95 Resp: 140154

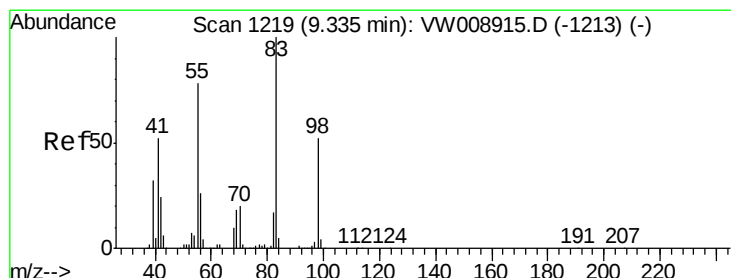
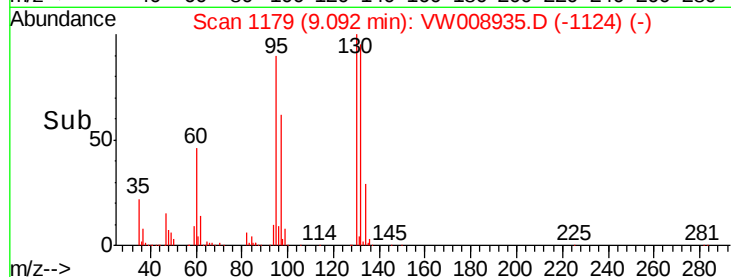
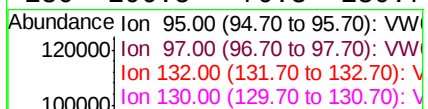
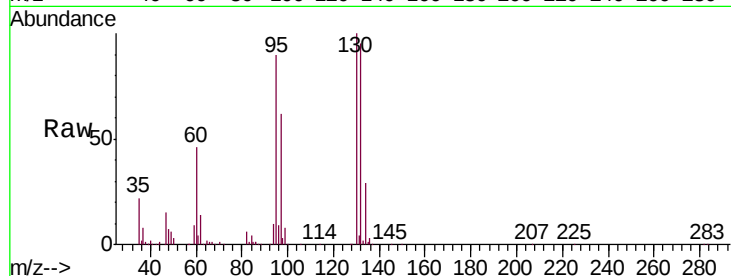
Ion Ratio Lower Upper

95 100

97 65.6 44.4 82.5

132 101.9 67.8 126.0

130 106.5 70.3 130.7



#36

Methylcyclohexane

Concen: 23.376 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW008935.D

Acq: 01 Mar 2019 20:17

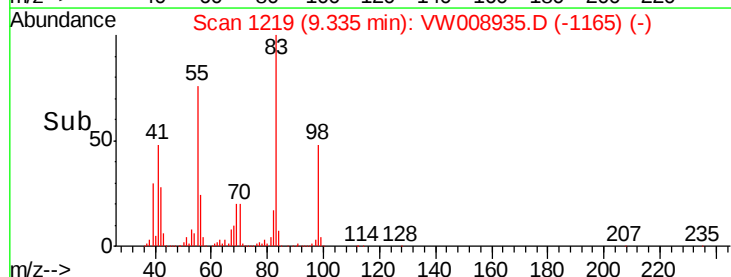
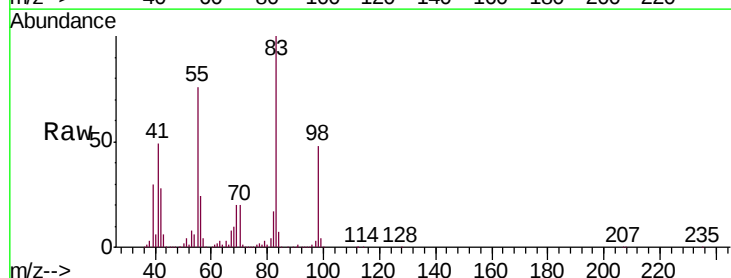
Tgt Ion: 83 Resp: 254047

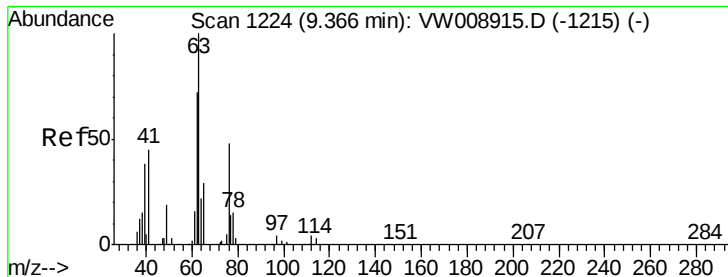
Ion Ratio Lower Upper

83 100

55 77.7 59.4 89.0

98 49.0 38.2 57.2

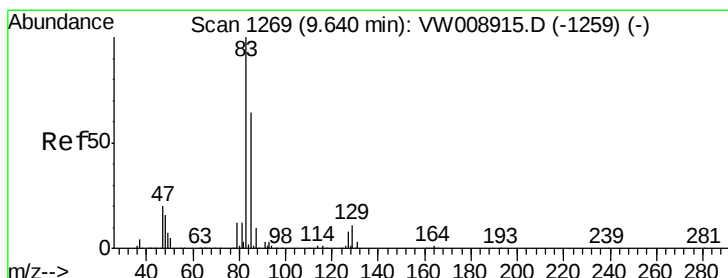
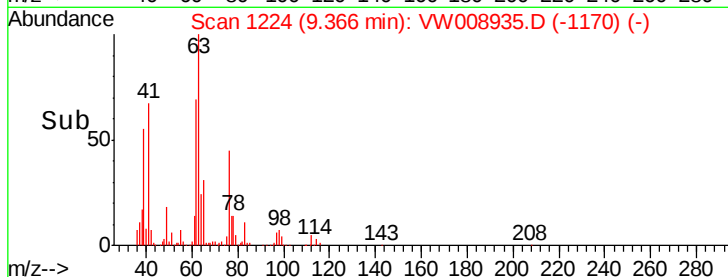
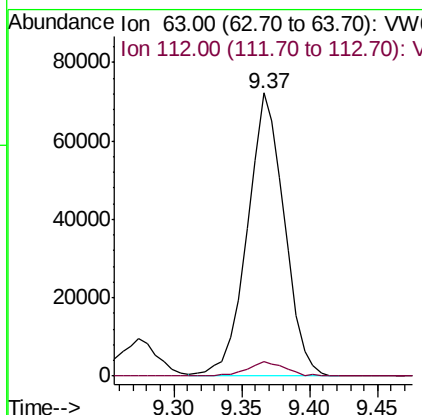
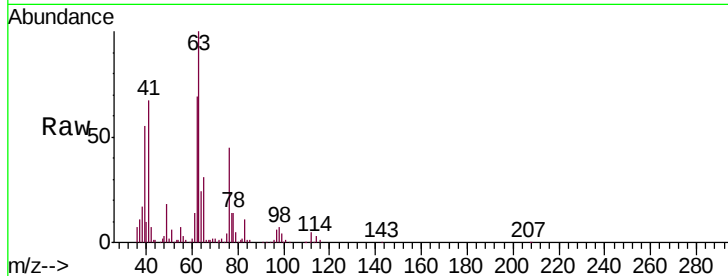




#40
 1,2-Dichloropropane
 Concen: 24.510 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW008935.D
 Acq: 01 Mar 2019 20:17

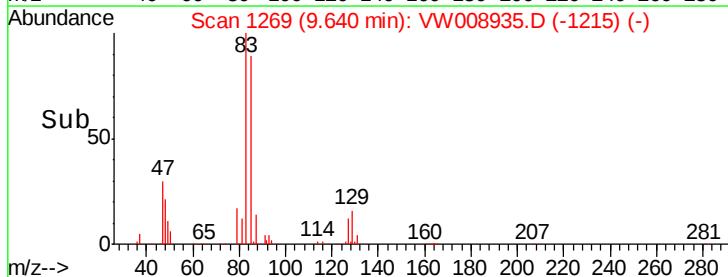
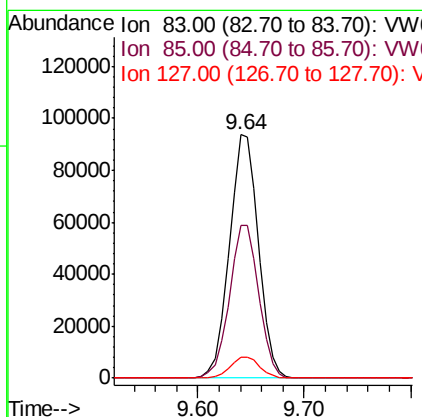
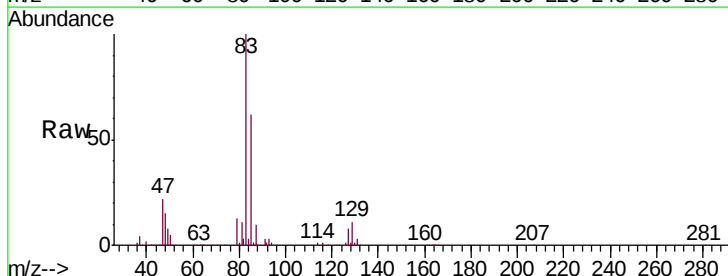
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02589

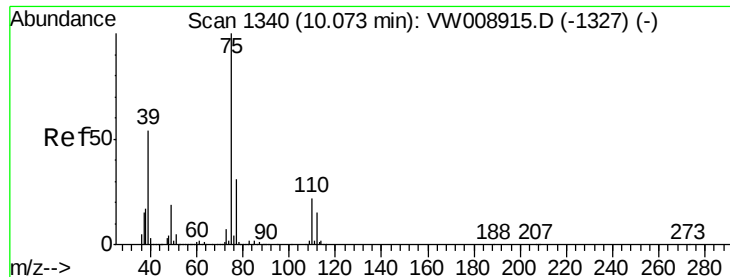
Tgt Ion: 63 Resp: 137389
 Ion Ratio Lower Upper
 63 100
 112 5.1 3.7 5.5



#41
 Bromodichloromethane
 Concen: 23.515 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW008935.D
 Acq: 01 Mar 2019 20:17

Tgt Ion: 83 Resp: 179229
 Ion Ratio Lower Upper
 83 100
 85 62.5 44.4 82.5
 127 8.5 7.0 10.6





#42

cis-1,3-Dichloropropene

Concen: 23.316 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008935.D

Acq: 01 Mar 2019 20:17

Instrument :

MSVOA_W

ClientSampleId :

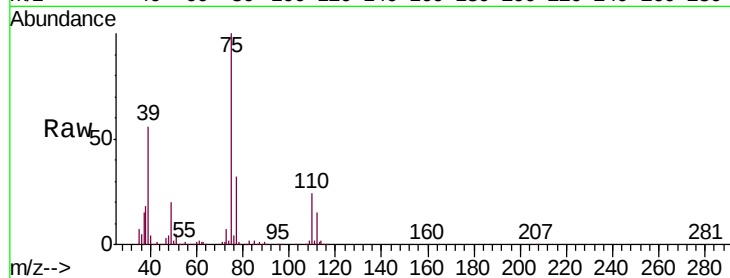
VSTD02589

Tgt Ion: 75 Resp: 212001

Ion Ratio Lower Upper

75 100

77 32.2 23.0 42.8



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.07

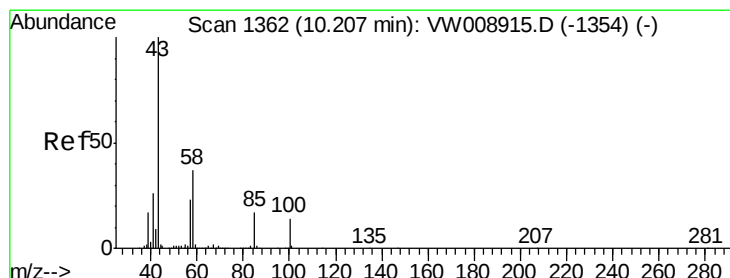
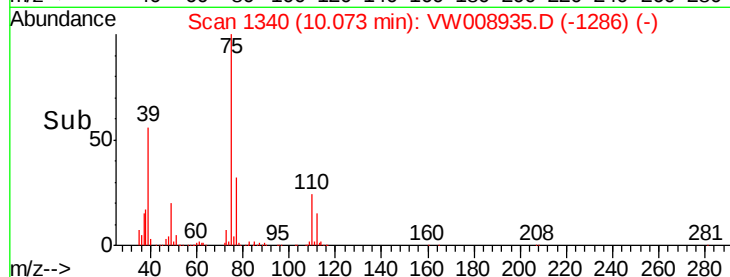
100000

50000

0

Time-->

10.00 10.10



#43

4-Methyl-2-pentanone

Concen: 43.516 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW008935.D

Acq: 01 Mar 2019 20:17

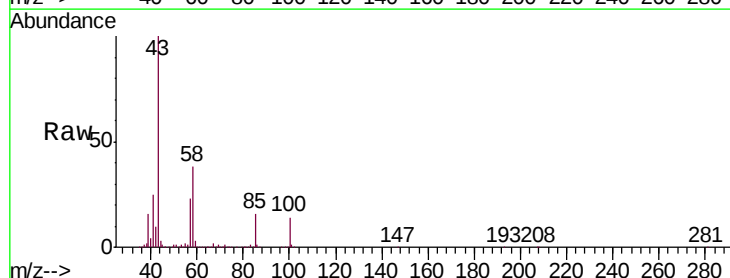
Tgt Ion: 43 Resp: 220287

Ion Ratio Lower Upper

43 100

58 36.9 31.1 46.7

100 15.2 14.0 21.0



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

250000

200000

150000

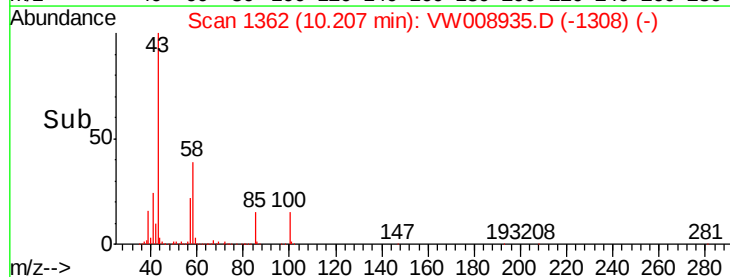
100000

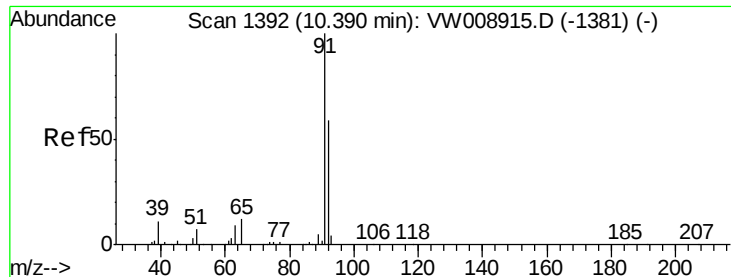
50000

0

Time-->

10.10 10.20 10.30





#44

Toluene

Concen: 24.817 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW008935.D

Acq: 01 Mar 2019 20:17

Instrument :

MSVOA_W

ClientSampleId :

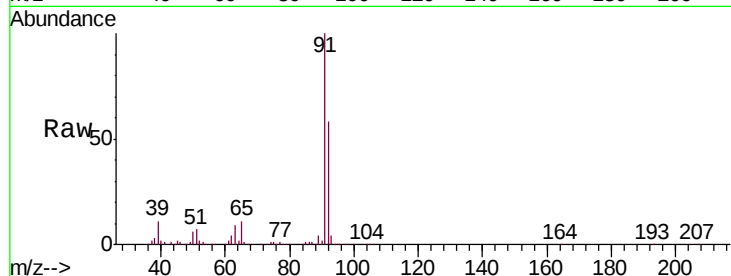
VSTD02589

Tgt Ion: 91 Resp: 647412

Ion Ratio Lower Upper

91 100

92 58.0 39.6 73.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.39

400000

300000

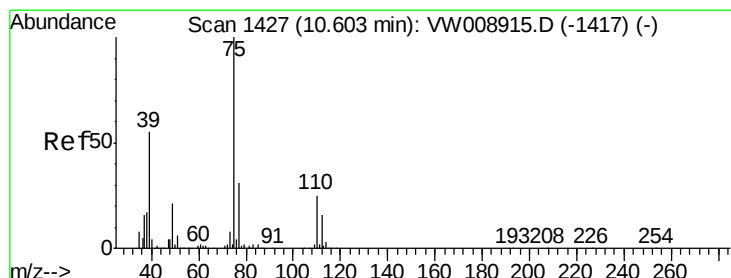
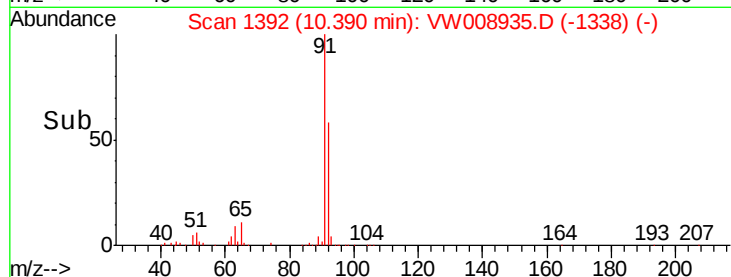
200000

100000

0

Time-->

10.30 10.35 10.40 10.45



#45

trans-1,3-Dichloropropene

Concen: 23.239 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008935.D

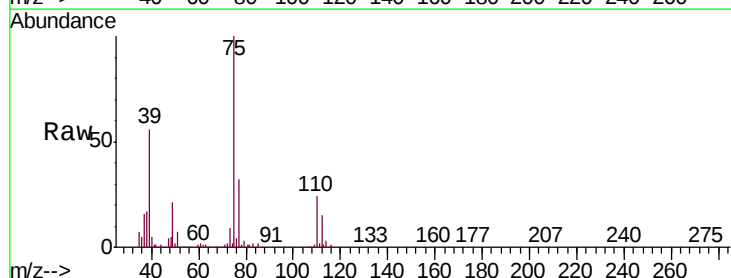
Acq: 01 Mar 2019 20:17

Tgt Ion: 75 Resp: 188685

Ion Ratio Lower Upper

75 100

77 31.6 21.1 39.3



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.60

120000

100000

80000

60000

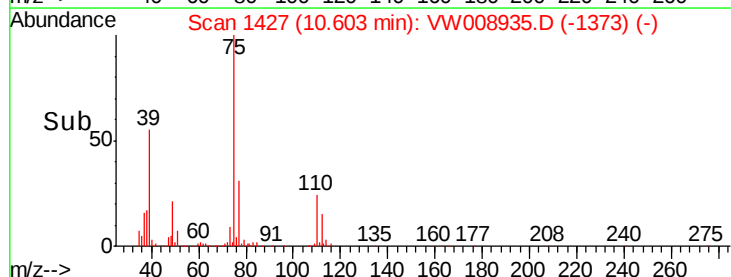
40000

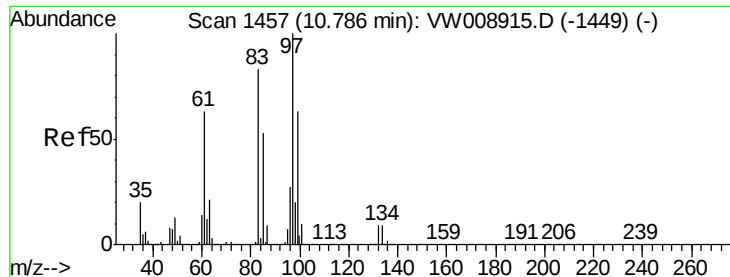
20000

0

Time-->

10.50 10.60 10.70





#46

1,1,2-Trichloroethane

Concen: 22.717 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW008935.D

Acq: 01 Mar 2019 20:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD02589

Tgt Ion: 97 Resp: 106467

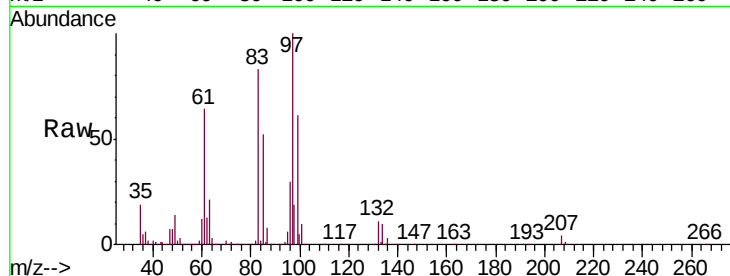
Ion Ratio Lower Upper

97 100

83 82.7 58.4 108.6

85 51.9 36.4 67.6

99 60.9 43.8 81.3

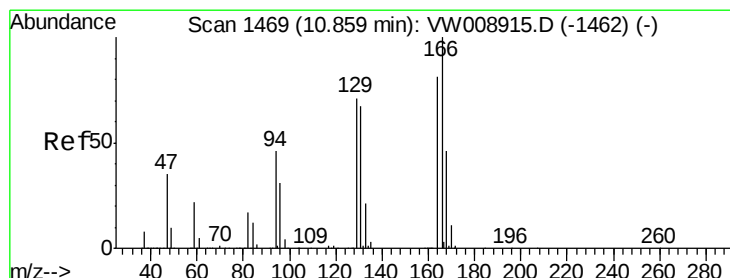
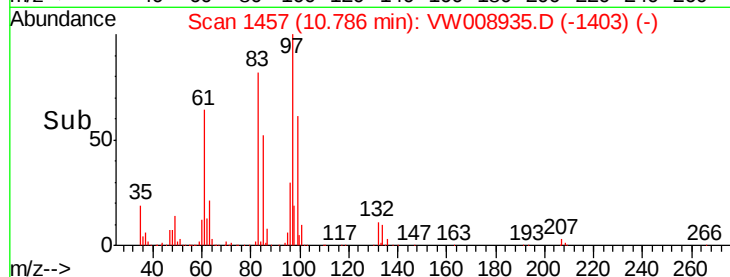
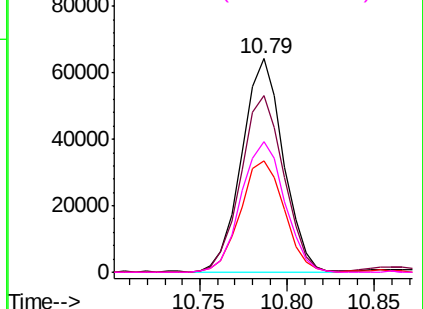


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 24.228 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW008935.D

Acq: 01 Mar 2019 20:17

Tgt Ion: 164 Resp: 135091

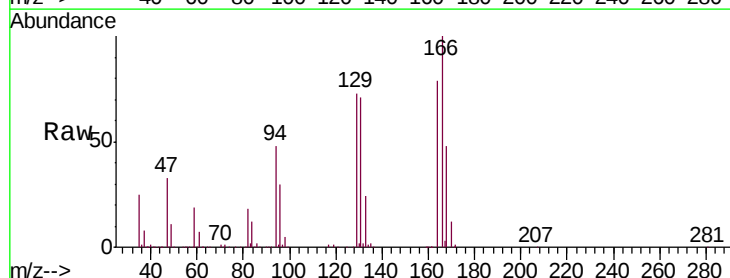
Ion Ratio Lower Upper

164 100

129 91.7 70.6 131.2

131 89.4 66.5 123.5

166 125.9 87.7 162.9

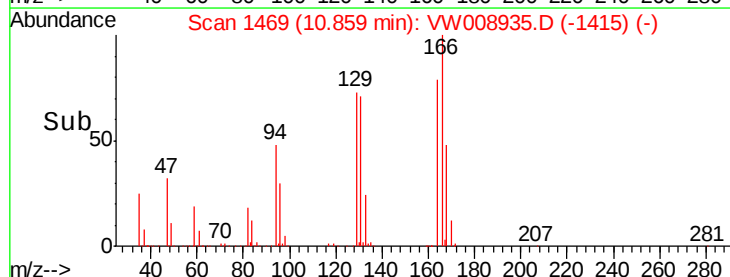
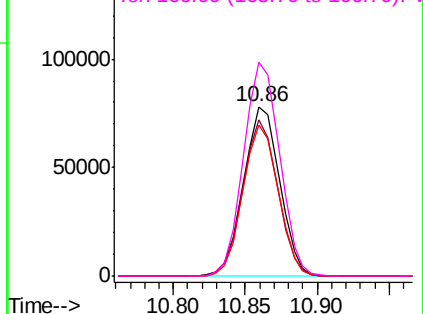


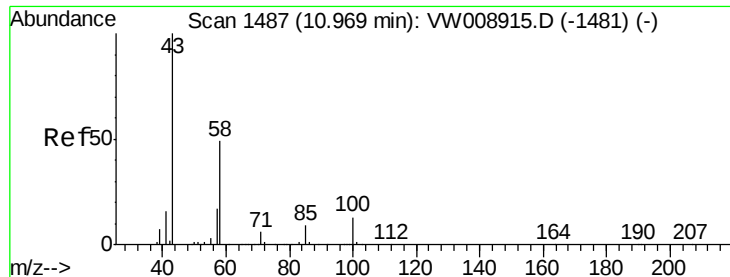
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 42.908 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW008935.D

Acq: 01 Mar 2019 20:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD02589

Tgt Ion: 43 Resp: 170375

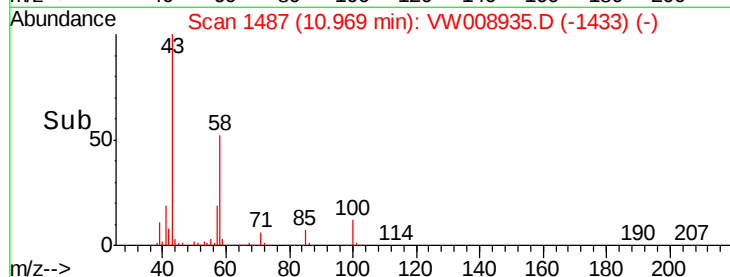
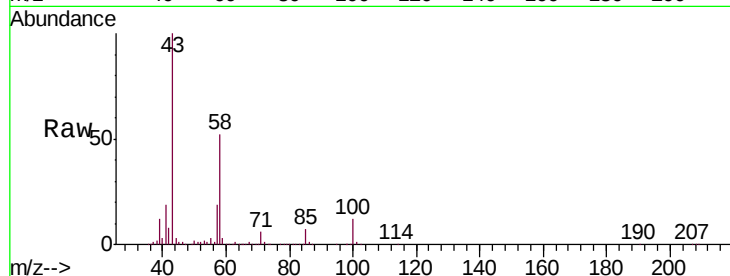
Ion Ratio Lower Upper

43 100

58 52.1 46.2 69.4

57 18.9 17.9 26.9

100 11.6 11.4 17.2

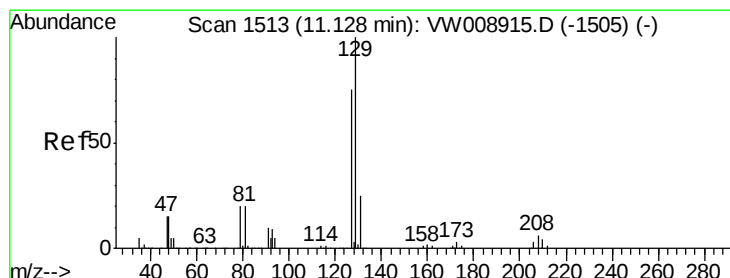
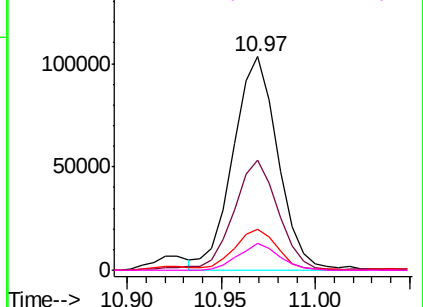


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 23.454 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW008935.D

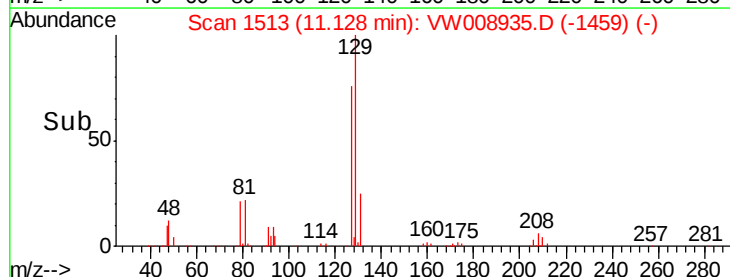
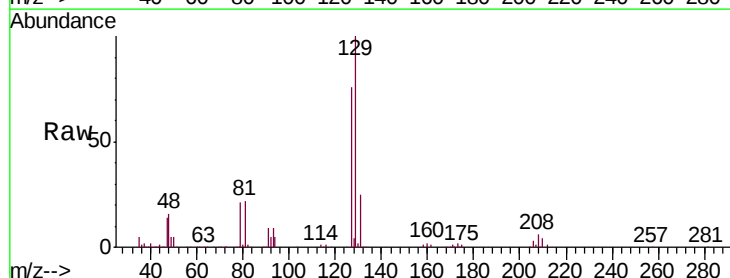
Acq: 01 Mar 2019 20:17

Tgt Ion: 129 Resp: 133255

Ion Ratio Lower Upper

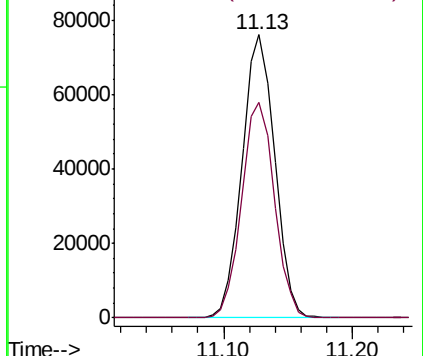
129 100

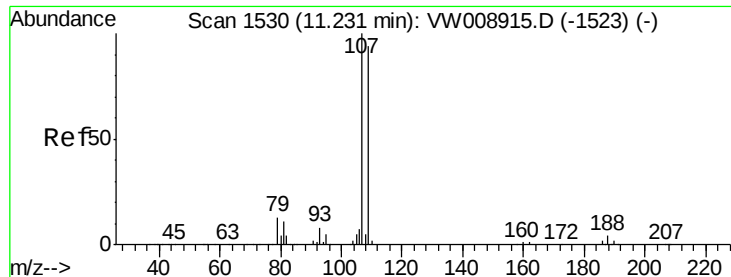
127 76.2 55.8 103.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

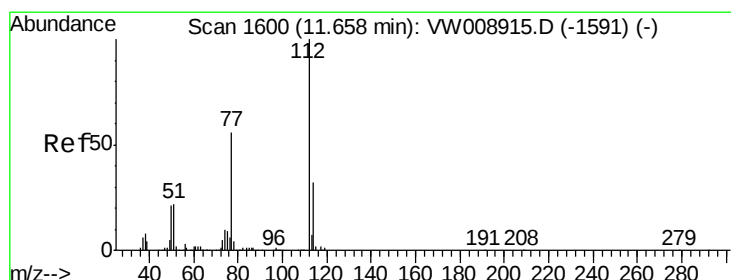
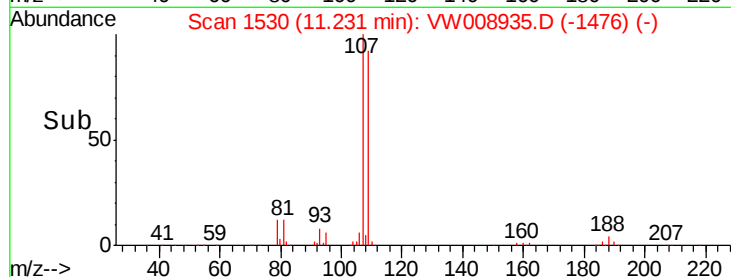
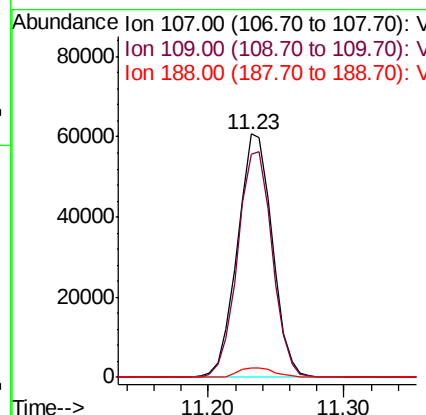
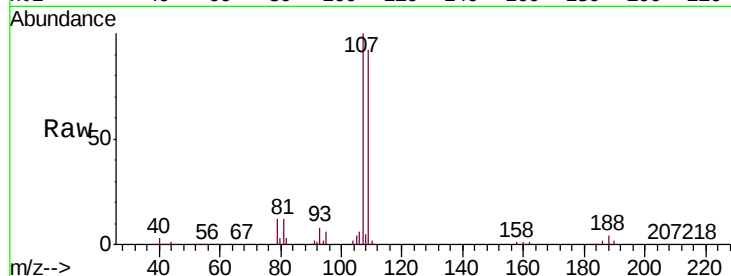




#51
1,2-Dibromoethane
Concen: 22.831 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VW008935.D
Acq: 01 Mar 2019 20:17

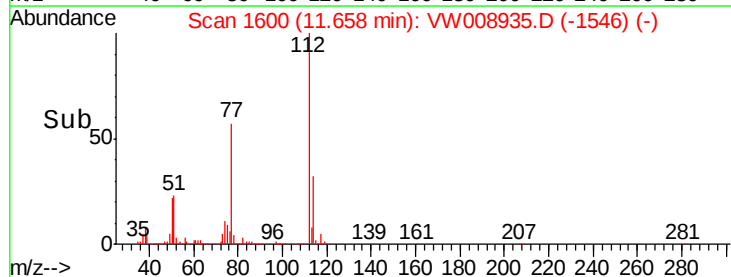
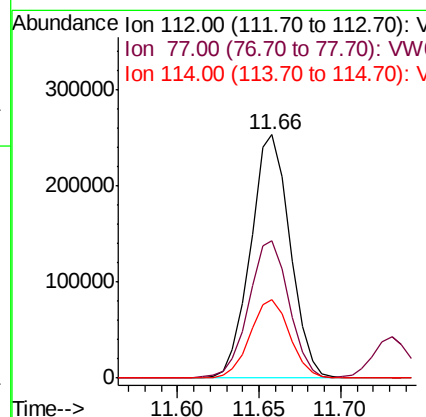
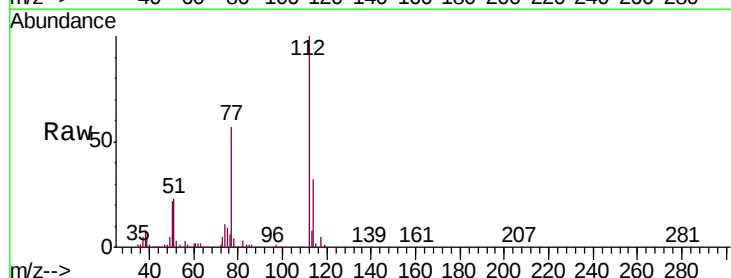
Instrument :
MSVOA_W
ClientSampleId :
VSTD02589

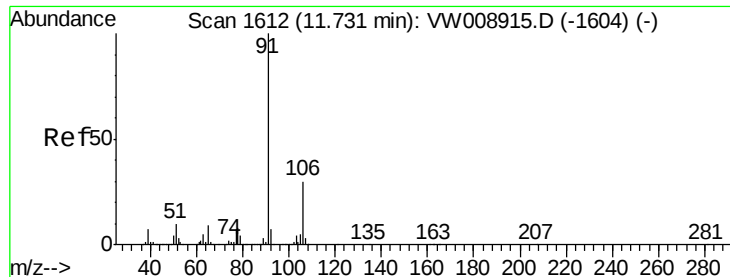
Tgt Ion	Ratio	Lower	Upper
107	100		
109	91.5	63.2	117.4
188	4.0	3.1	4.7



#52
Chlorobenzene
Concen: 24.320 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW008935.D
Acq: 01 Mar 2019 20:17

Tgt Ion	Ratio	Lower	Upper
112	100		
77	56.7	47.8	71.6
114	32.4	22.2	41.2





#53

Ethylbenzene

Concen: 24.479 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008935.D

Acq: 01 Mar 2019 20:17

Instrument :

MSVOA_W

ClientSampleId :

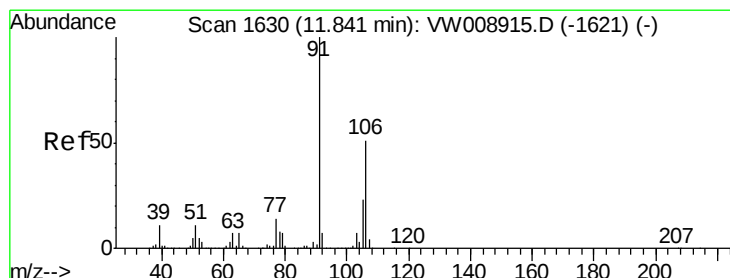
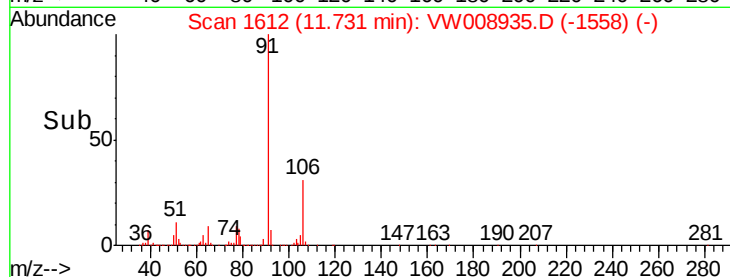
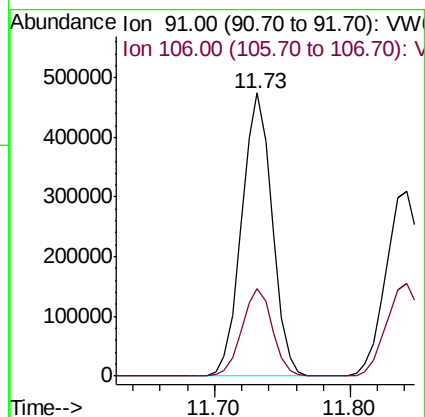
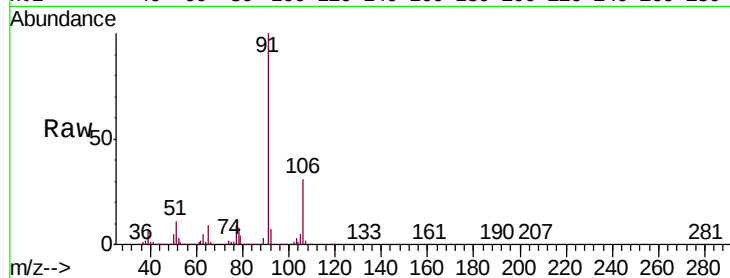
VSTD02589

Tgt Ion: 91 Resp: 741981

Ion Ratio Lower Upper

91 100

106 31.0 21.5 39.9



#54

m,p-Xylene

Concen: 24.323 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW008935.D

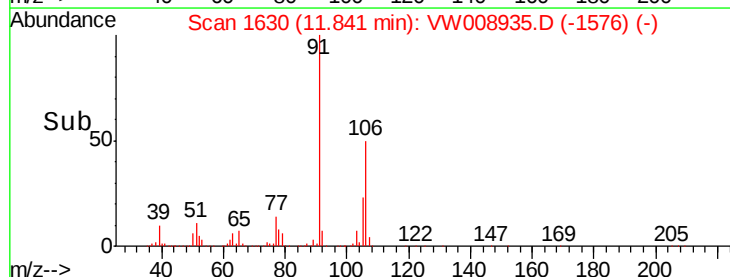
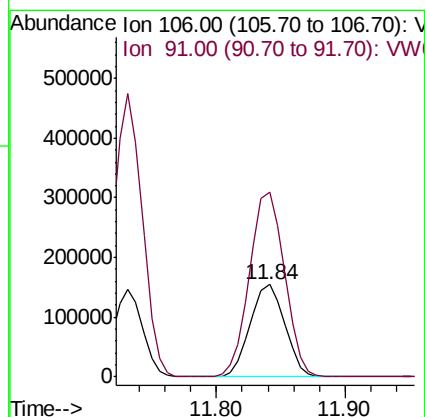
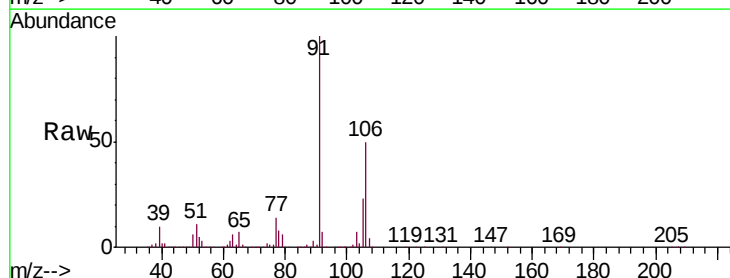
Acq: 01 Mar 2019 20:17

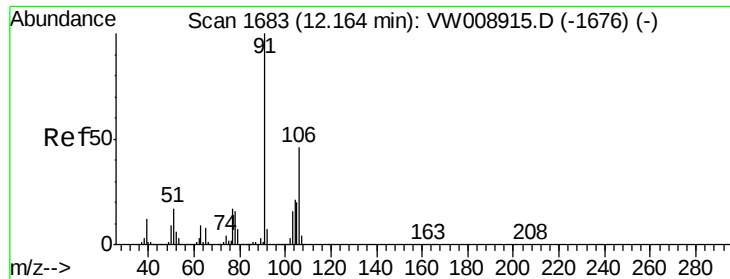
Tgt Ion: 106 Resp: 289910

Ion Ratio Lower Upper

106 100

91 200.0 147.8 274.4

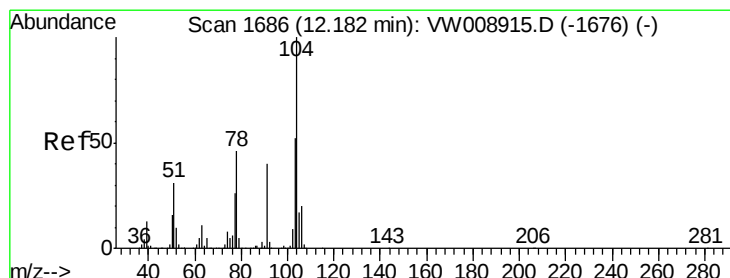
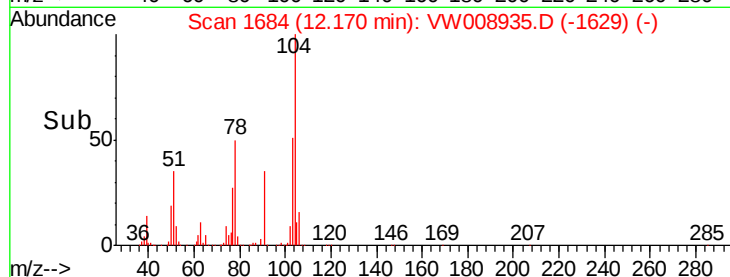
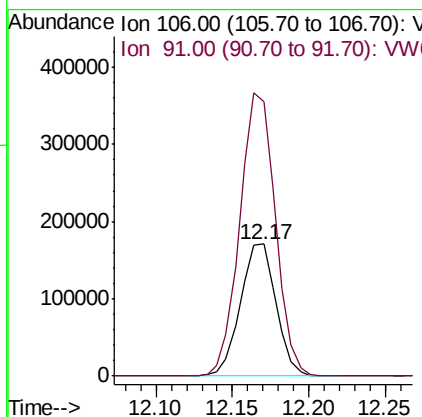
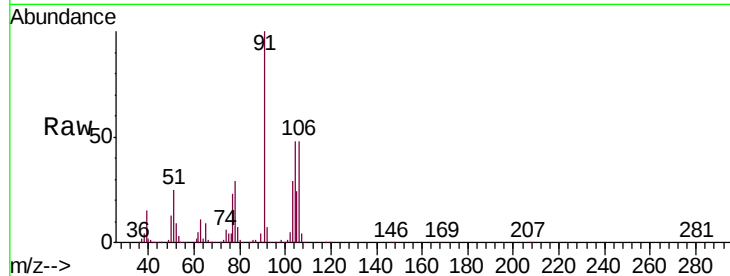




#55
o-xylene
Concen: 24.135 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW008935.D
Acq: 01 Mar 2019 20:17

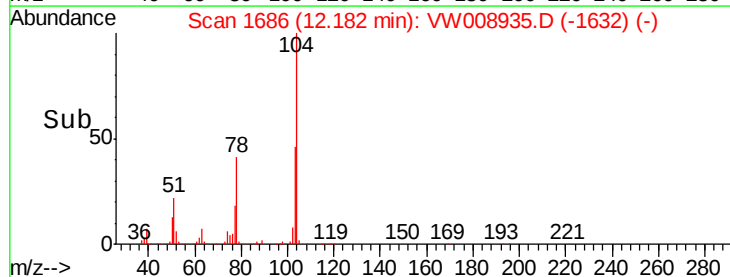
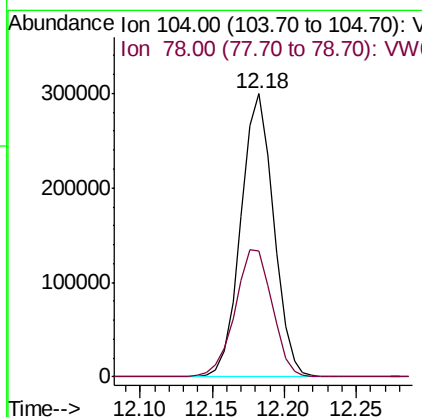
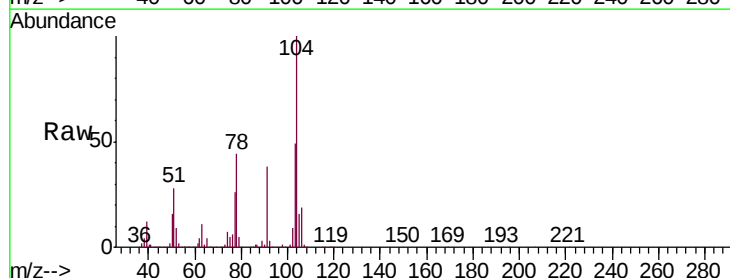
Instrument :
MSVOA_W
ClientSampleId :
VSTD02589

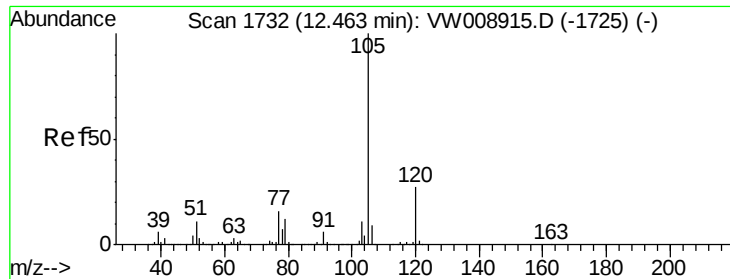
Tgt Ion:106 Resp: 276736
Ion Ratio Lower Upper
106 100
91 208.1 156.0 289.6



#56
Styrene
Concen: 24.688 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008935.D
Acq: 01 Mar 2019 20:17

Tgt Ion:104 Resp: 474757
Ion Ratio Lower Upper
104 100
78 44.5 34.6 64.3





#57

Isopropylbenzene

Concen: 24.112 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW008935.D

Acq: 01 Mar 2019 20:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD02589

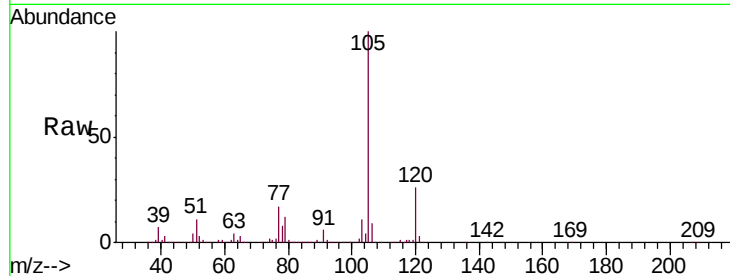
Tgt Ion:105 Resp: 737523

Ion Ratio Lower Upper

105 100

120 26.4 21.1 31.7

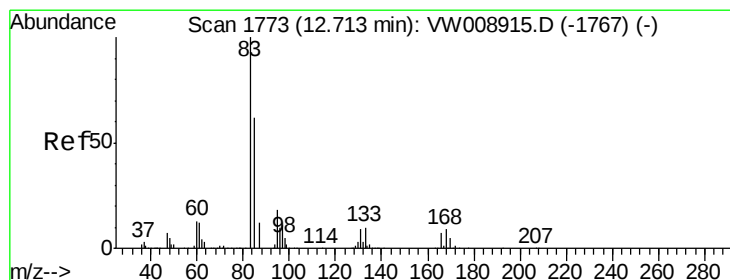
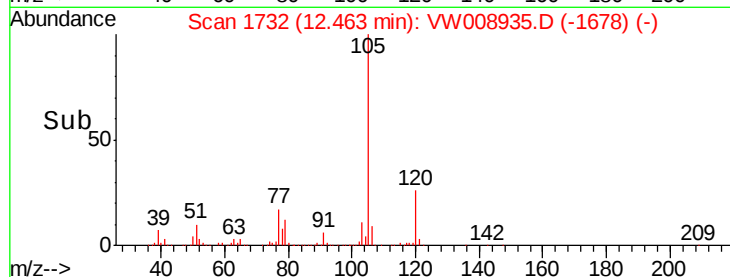
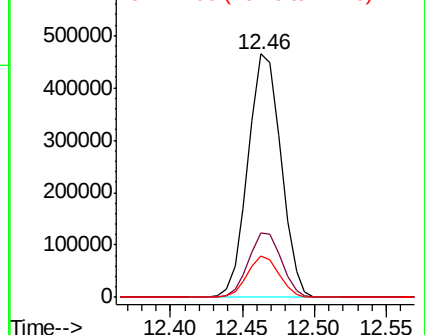
77 16.3 12.4 18.6



Abundance Ion 105.00 (104.70 to 105.70): VW

Ion 120.00 (119.70 to 120.70): VW

Ion 77.00 (76.70 to 77.70): VW



#58

1,1,2,2-Tetrachloroethane

Concen: 22.703 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW008935.D

Acq: 01 Mar 2019 20:17

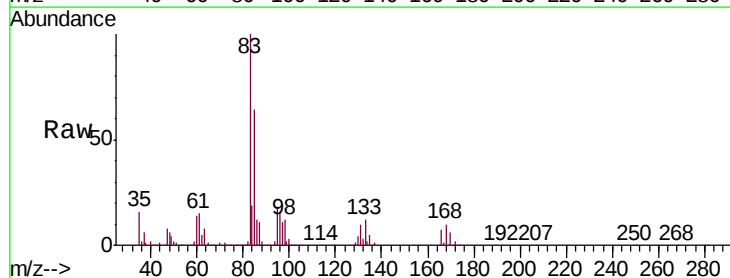
Tgt Ion: 83 Resp: 142750

Ion Ratio Lower Upper

83 100

85 64.4 46.6 86.6

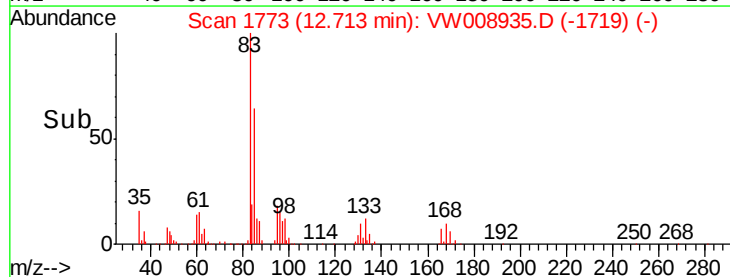
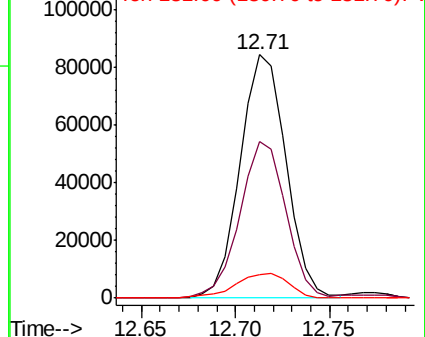
131 9.5 9.7 14.5#

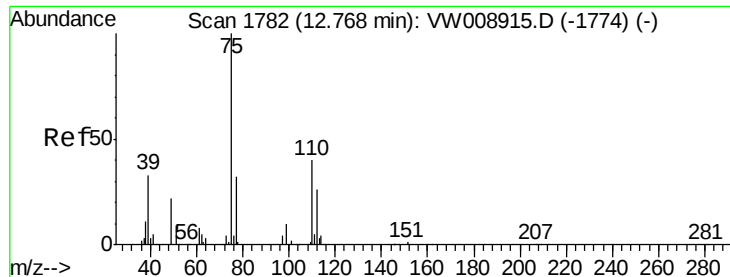


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): VW





#59

1,2,3-Trichloropropane

Concen: 22.356 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW008935.D

Acq: 01 Mar 2019 20:17

Instrument :

MSVOA_W

ClientSampleId :

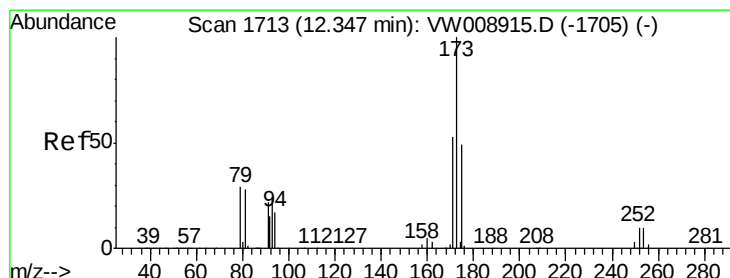
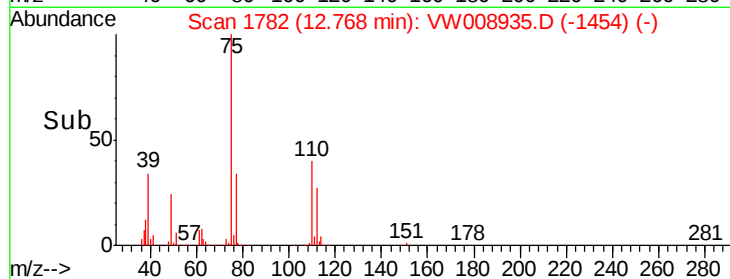
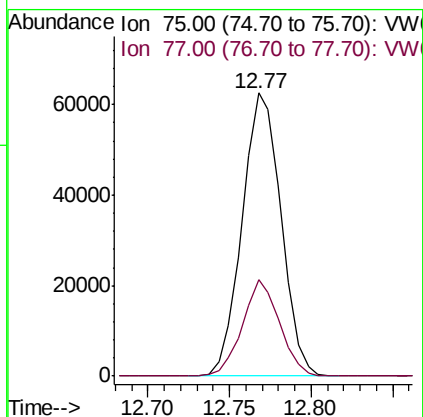
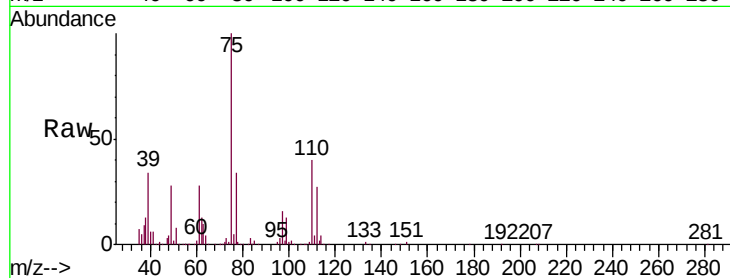
VSTD02589

Tgt Ion: 75 Resp: 103932

Ion Ratio Lower Upper

75 100

77 32.5 25.5 38.3



#62

Bromoform

Concen: 22.722 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW008935.D

Acq: 01 Mar 2019 20:17

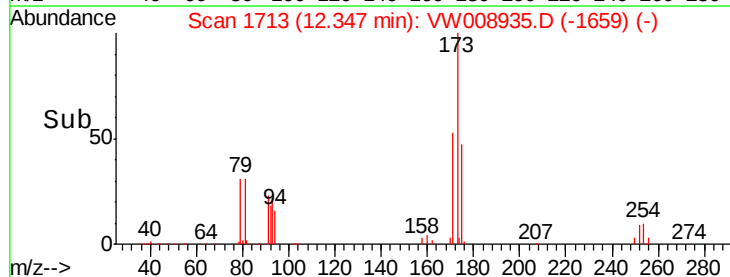
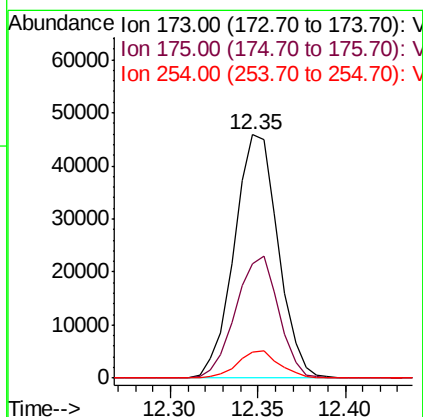
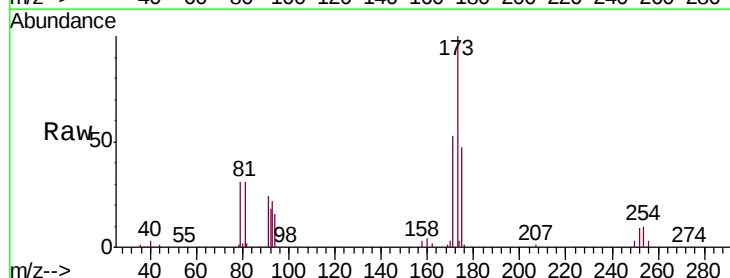
Tgt Ion: 173 Resp: 79995

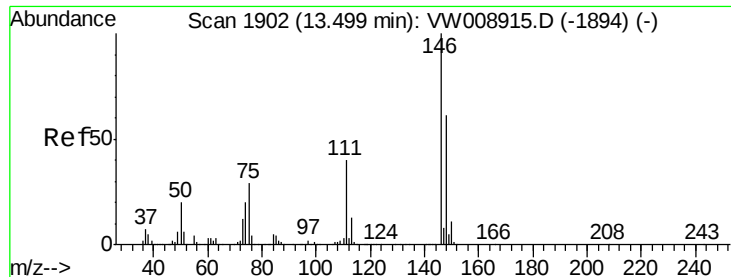
Ion Ratio Lower Upper

173 100

175 48.9 39.0 58.4

254 10.7 5.8 8.8#

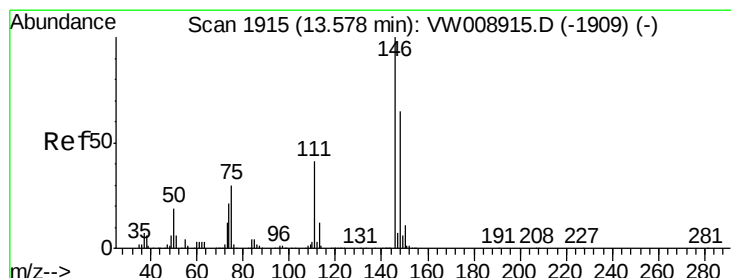
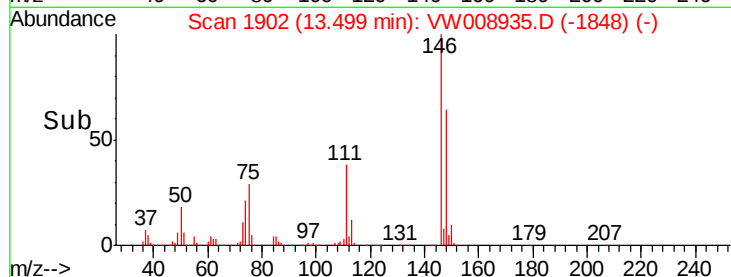
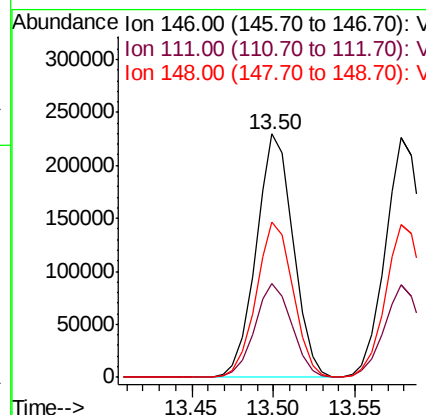
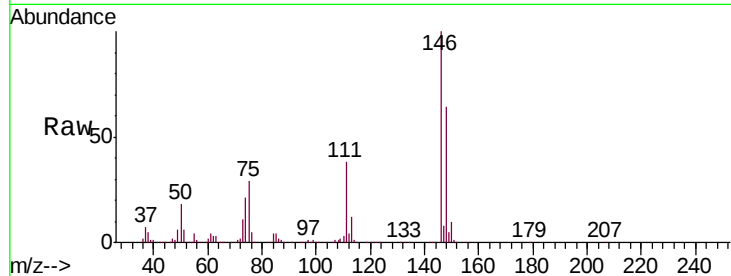




#63
 1,3-Dichlorobenzene
 Concen: 24.318 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW008935.D
 Acq: 01 Mar 2019 20:17

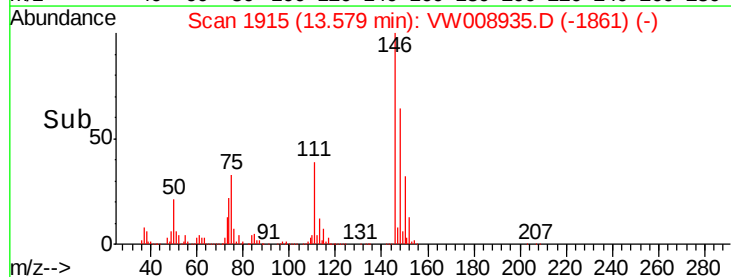
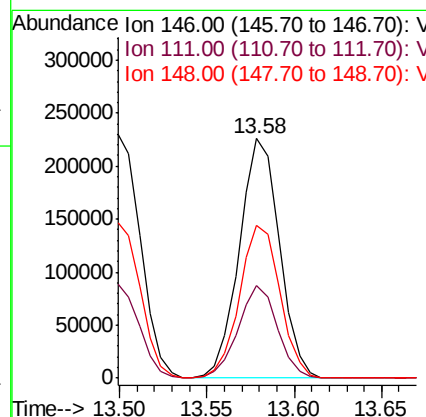
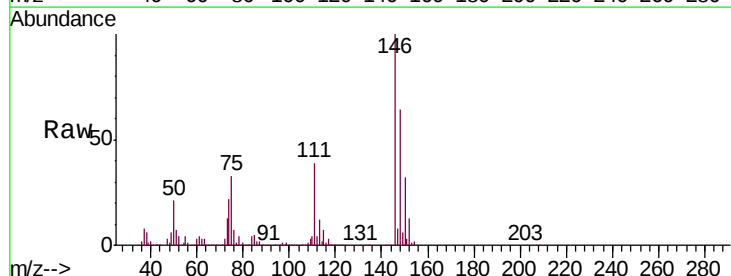
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02589

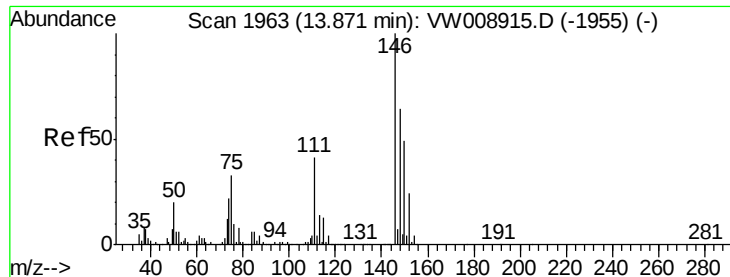
Tgt Ion:146 Resp: 360932
 Ion Ratio Lower Upper
 146 100
 111 38.3 31.0 57.6
 148 63.8 43.6 81.0



#64
 1,4-Dichlorobenzene
 Concen: 23.982 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW008935.D
 Acq: 01 Mar 2019 20:17

Tgt Ion:146 Resp: 361610
 Ion Ratio Lower Upper
 146 100
 111 38.6 26.9 49.9
 148 63.8 41.6 77.3





#65

1,2-Dichlorobenzene

Concen: 24.283 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW008935.D

Acq: 01 Mar 2019 20:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD02589

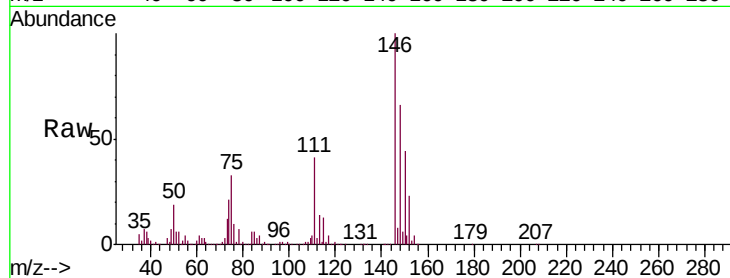
Tgt Ion:146 Resp: 333835

Ion Ratio Lower Upper

146 100

111 40.9 36.4 54.6

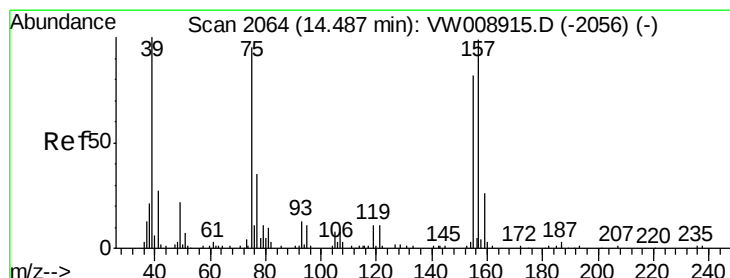
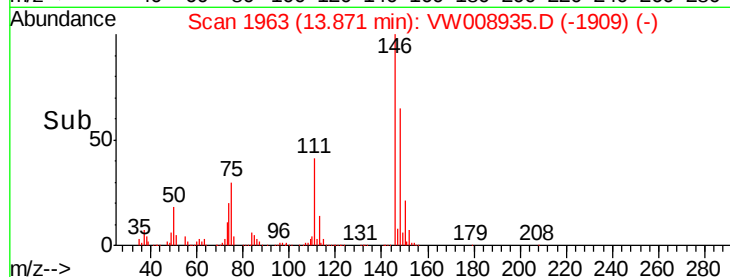
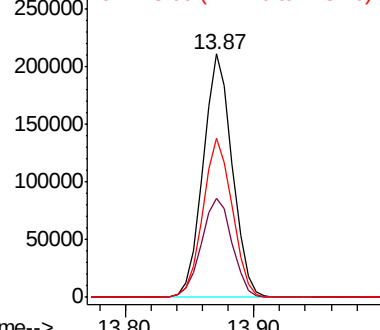
148 65.6 51.0 76.4



Abundance Ion 146.00 (145.70 to 146.70): 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: 21.687 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW008935.D

Acq: 01 Mar 2019 20:17

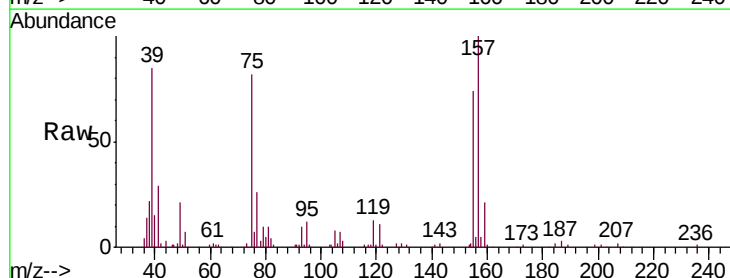
Tgt Ion: 75 Resp: 26473

Ion Ratio Lower Upper

75 100

157 122.7 85.6 128.4

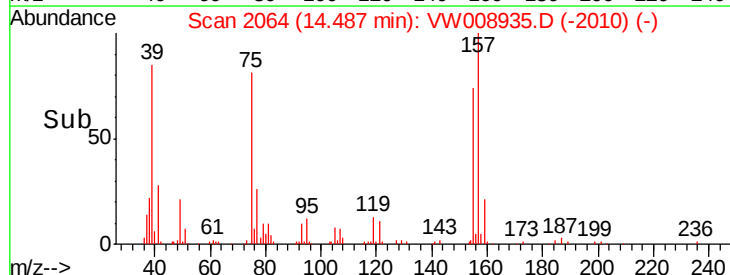
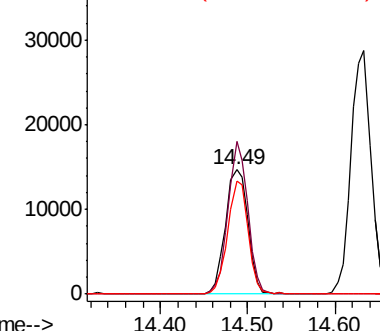
155 90.6 63.4 95.0

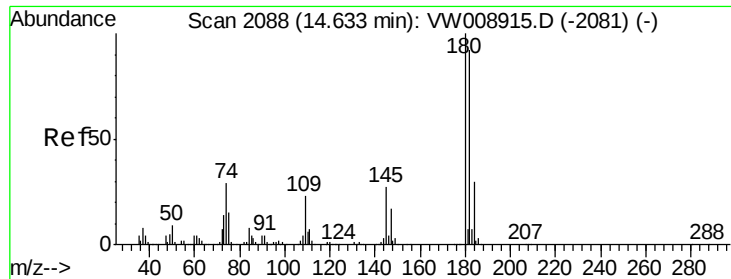


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

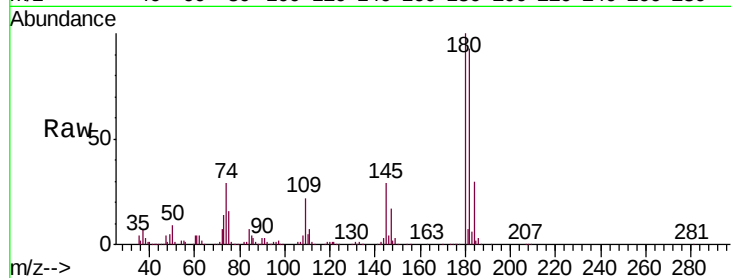




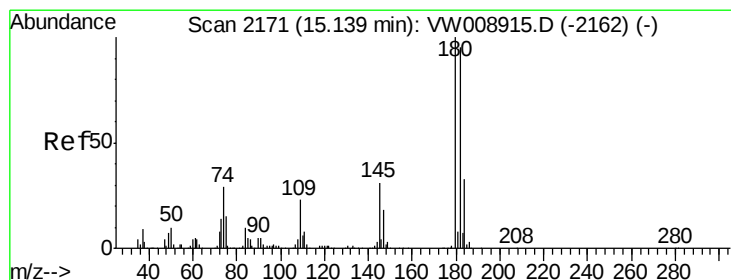
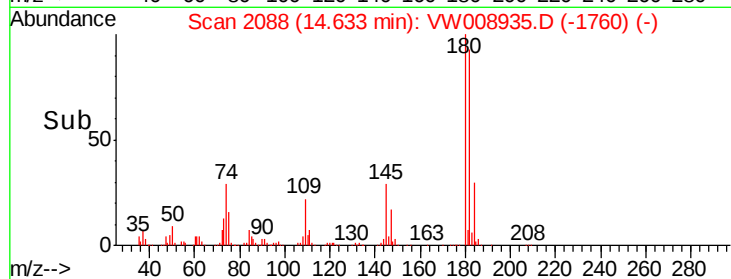
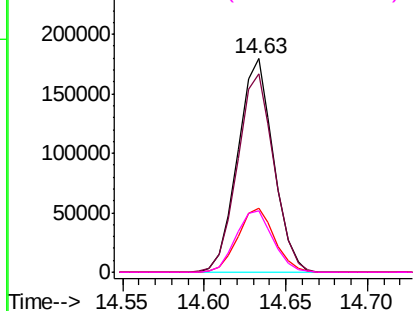
#67
 1,3,5-Trichlorobenzene
 Concen: 23.465 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW008935.D
 Acq: 01 Mar 2019 20:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02589

Tgt Ion:	180	Resp:	274210
Ion	Ratio	Lower	Upper
180	100		
182	94.7	75.0	112.4
184	30.5	23.5	35.3
145	29.9	26.6	39.8

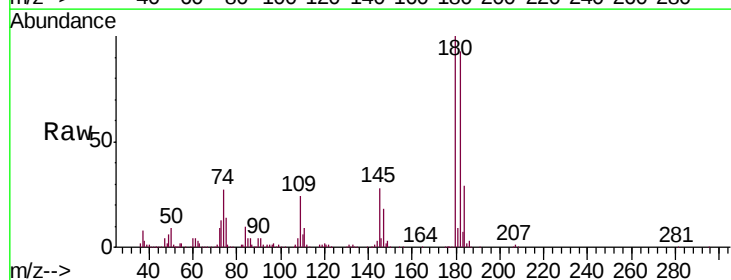


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

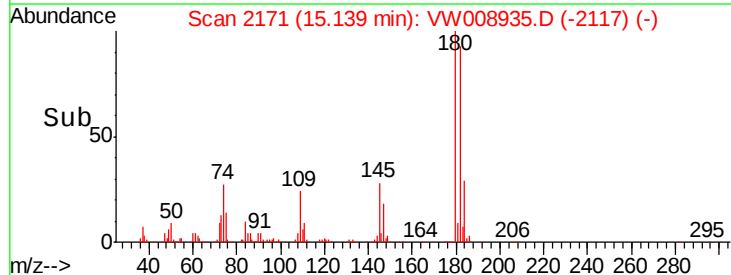
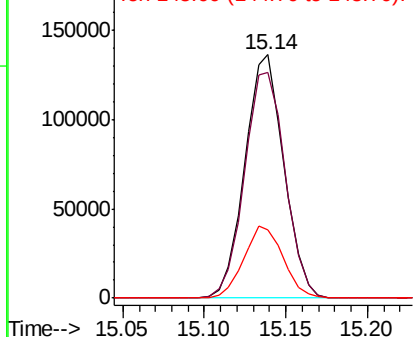


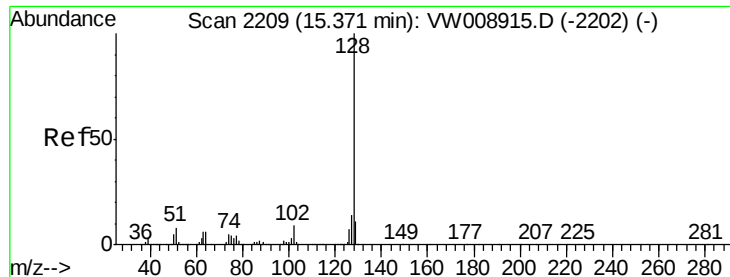
#68
 1,2,4-trichlorobenzene
 Concen: 22.551 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008935.D
 Acq: 01 Mar 2019 20:17

Tgt Ion:	180	Resp:	226988
Ion	Ratio	Lower	Upper
180	100		
182	96.6	77.0	115.6
145	30.0	27.9	41.9



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: 21.278 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW008935.D

Acq: 01 Mar 2019 20:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD02589

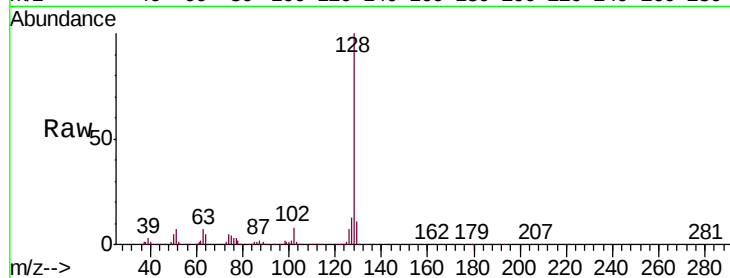
Tgt Ion:128 Resp: 440923

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

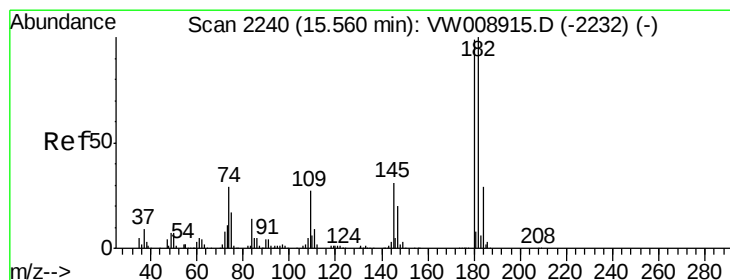
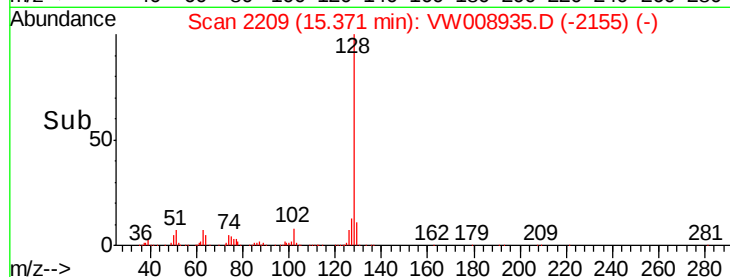
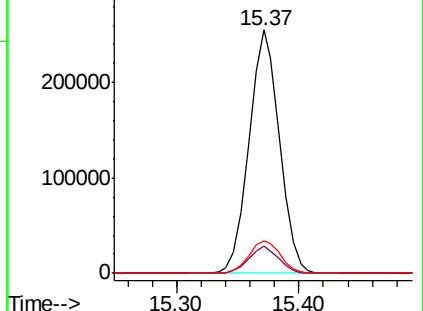
127 13.8 11.1 16.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 23.183 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW008935.D

Acq: 01 Mar 2019 20:17

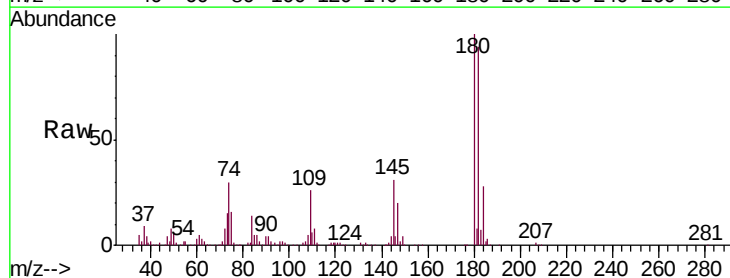
Tgt Ion:180 Resp: 214432

Ion Ratio Lower Upper

180 100

182 94.4 75.8 113.6

145 31.3 29.4 44.2



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

