

Data File : VW004399.D
Acq On : 02 Aug 2018 13:17
Operator : SY/AP
Sample : VSTD00590
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD00590

Quant Time: Aug 02 14:26:11 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM080218S.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 02 14:26:10 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	1063111	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	1048413	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	508384	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	70991	8.57	ug/L	0.00
7) Chloroethane-d5	2.89	69	56352	6.89	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	141844	5.93	ug/L	0.00
20) 2-Butanone-d5	7.09	46	46851	9.12	ug/L	0.00
24) Chloroform-d	7.65	84	147198	5.60	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	80035	5.44	ug/L	0.00
29) Benzene-d6	8.28	84	275499	5.09	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	89545	5.34	ug/L	0.00
37) Toluene-d8	10.33	98	238737	4.61	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.59	79	36317	4.48	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	30354	7.05	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.70	84	91799	5.24	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	97287	5.01	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	54056	5.568 ug/L	99
3) Chloromethane	2.21	50	69114	7.502 ug/L	97
5) Vinyl chloride	2.36	62	97056	8.534 ug/L	98
6) Bromomethane	2.78	94	56287	6.911 ug/L	100
8) Chloroethane	2.92	64	56906	7.116 ug/L	96
9) Trichlorofluoromethane	3.25	101	44556	4.673 ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	73677	5.242 ug/L	97
12) 1,1-Dichloroethene	4.03	96	71415	5.411 ug/L	92
13) Acetone	4.14	43	43445	9.669 ug/L	98
14) Carbon disulfide	4.37	76	230182	5.896 ug/L	97
15) Methyl Acetate	4.68	43	44979	5.021 ug/L	96
16) Methylene chloride	4.91	84	118882	7.075 ug/L	96
17) Methyl tert-butyl Ether	5.43	73	92000	4.438 ug/L	97
18) trans-1,2-Dichloroethene	5.42	96	72850	5.085 ug/L	91
19) 1,1-Dichloroethane	6.21	63	141661	5.688 ug/L	100
21) 2-Butanone	7.18	43	56636	9.248 ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	75710	4.795 ug/L	99
23) Bromochloromethane	7.51	128	39221	5.289 ug/L	89
25) Chloroform	7.68	83	144502	5.515 ug/L	99
27) 1,2-Dichloroethane	8.40	62	95695	5.407 ug/L	100
30) Cyclohexane	7.96	56	104487	4.220 ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	109765	4.778 ug/L	99
32) Carbon tetrachloride	8.07	117	105204	4.702 ug/L	98
34) Benzene	8.32	78	310570	5.110 ug/L	100
35) Trichloroethene	9.09	95	78794	4.843 ug/L	99
36) Methylcyclohexane	9.34	83	128206	4.418 ug/L	97
40) 1,2-Dichloropropane	9.37	63	82721	5.426 ug/L	100
41) Bromodichloromethane	9.65	83	98443	4.991 ug/L	99
42) cis-1,3-Dichloropropene	10.08	75	104569	4.373 ug/L	98
43) 4-Methyl-2-pentanone	10.22	43	97709	7.916 ug/L	98

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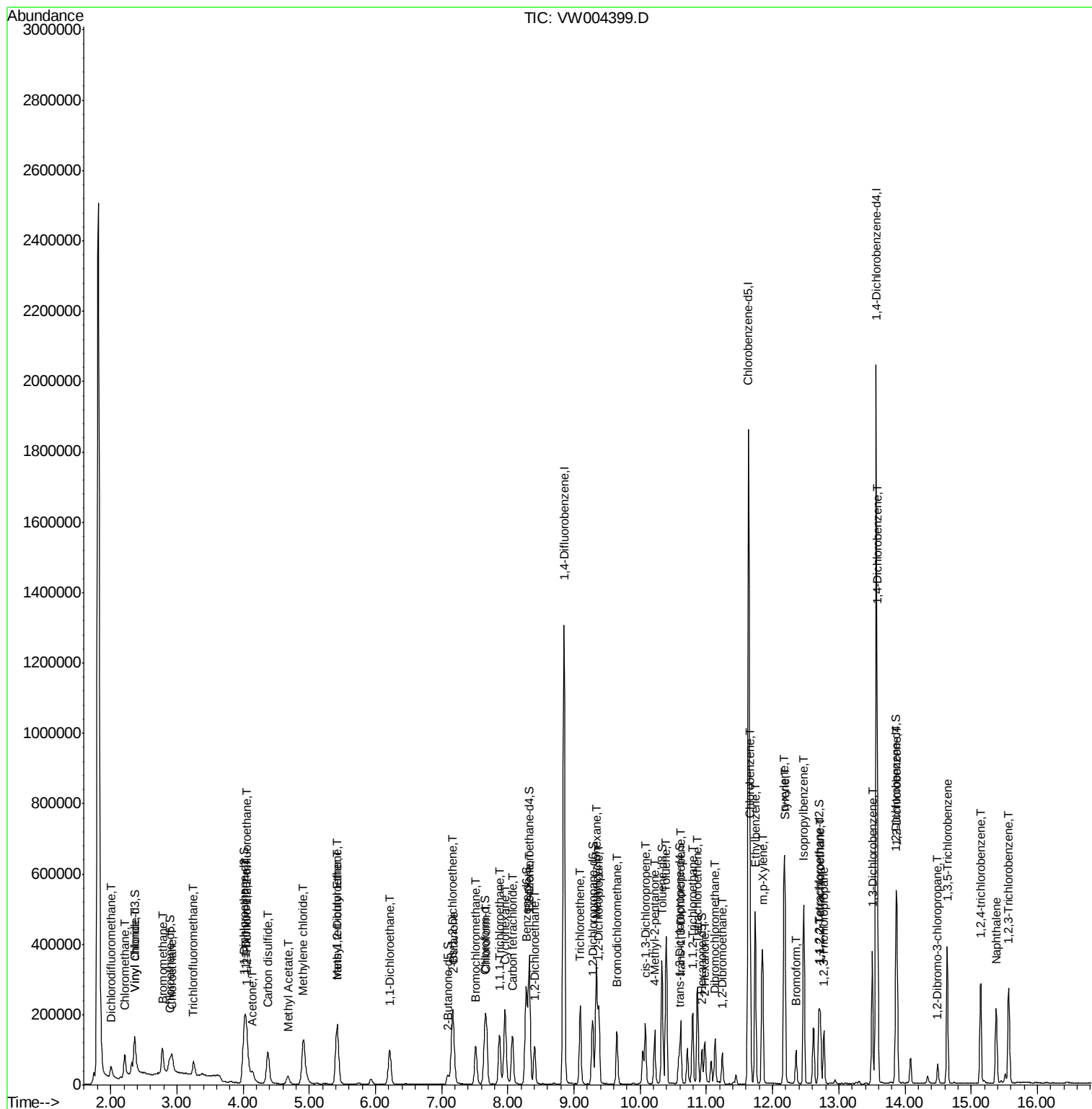
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	307033	4.698	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	94747	4.413	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	64883	5.161	ug/L	96
47) Tetrachloroethene	10.87	164	62181	4.451	ug/L	99
49) 2-Hexanone	10.98	43	73858	8.051	ug/L	96
50) Dibromochloromethane	11.13	129	68947	4.502	ug/L	99
51) 1,2-Dibromoethane	11.24	107	58952	4.731	ug/L	99
52) Chlorobenzene	11.66	112	213629	4.911	ug/L	98
53) Ethylbenzene	11.74	91	337476	4.564	ug/L	99
54) m,p-Xylene	11.85	106	125678	4.494	ug/L	92
55) o-xylene	12.17	106	115720	4.381	ug/L	100
56) Styrene	12.19	104	198140	4.333	ug/L	100
57) Isopropylbenzene	12.47	105	312263	4.216	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	88079	5.103	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	65049	4.895	ug/L	97
62) Bromoform	12.35	173	43429	4.579	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	154021	4.697	ug/L	97
64) 1,4-Dichlorobenzene	13.59	146	170057	5.041	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	157145	5.069	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	14711	4.816	ug/L	92
67) 1,3,5-Trichlorobenzene	14.64	180	123831	4.763	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	94016	4.258	ug/L	99
69) Naphthalene	15.38	128	180375	3.615	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	92846	4.545	ug/L	100

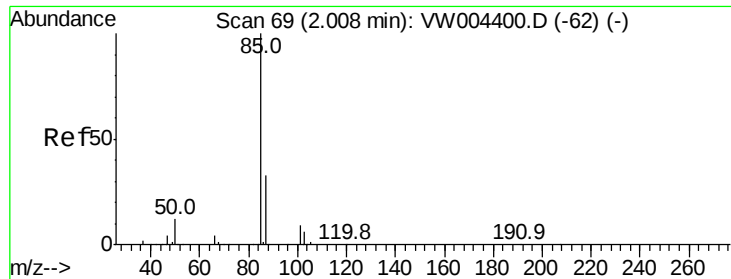
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.568 ug/L

RT: 2.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VW004399.D

Acq: 02 Aug 2018 13:17

Instrument :

MSVOA_W

ClientSampleId :

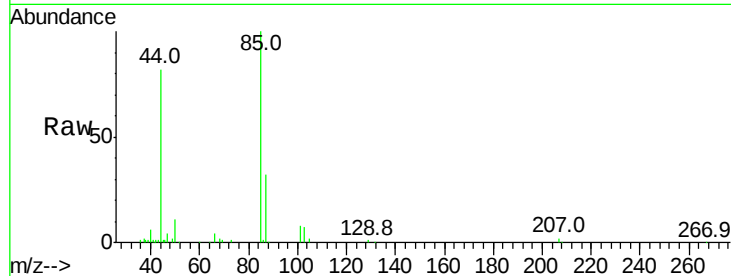
VSTD00590

Tgt Ion: 85 Resp: 54056

Ion Ratio Lower Upper

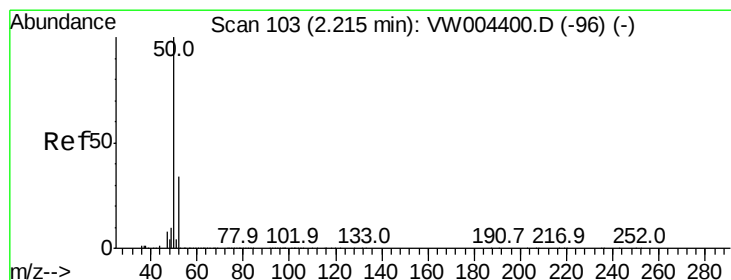
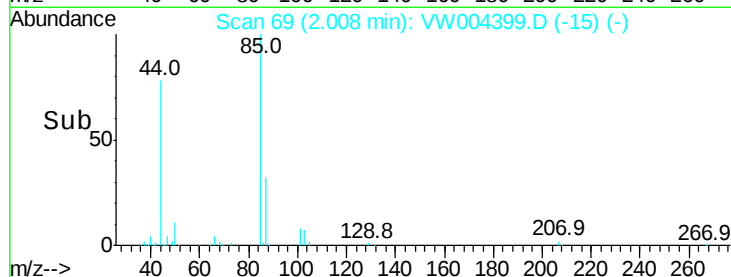
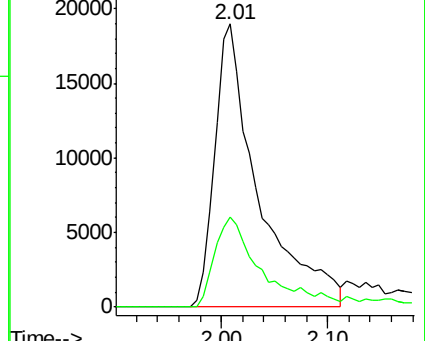
85 100

87 29.5 20.2 37.4



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 7.502 ug/L

RT: 2.21 min Scan# 102

Delta R.T. -0.01 min

Lab File: VW004399.D

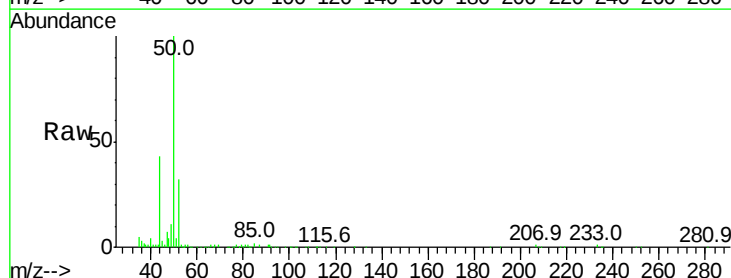
Acq: 02 Aug 2018 13:17

Tgt Ion: 50 Resp: 69114

Ion Ratio Lower Upper

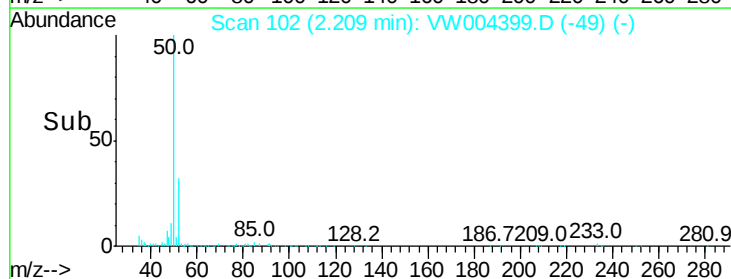
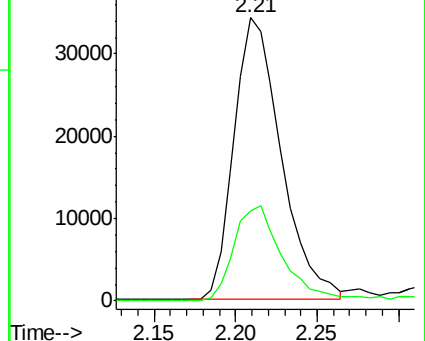
50 100

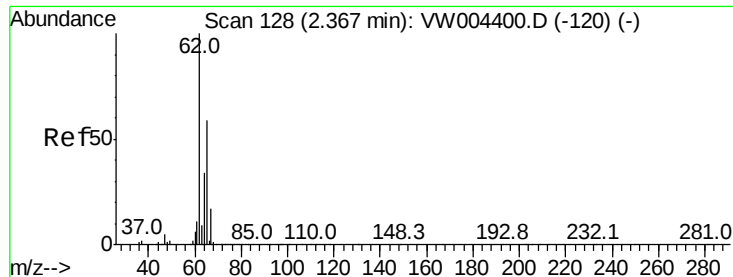
52 32.0 23.4 43.6



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 8.534 ug/L

RT: 2.36 min Scan# 127

Delta R.T. -0.01 min

Lab File: VW004399.D

Acq: 02 Aug 2018 13:17

Instrument :

MSVOA_W

ClientSampleId :

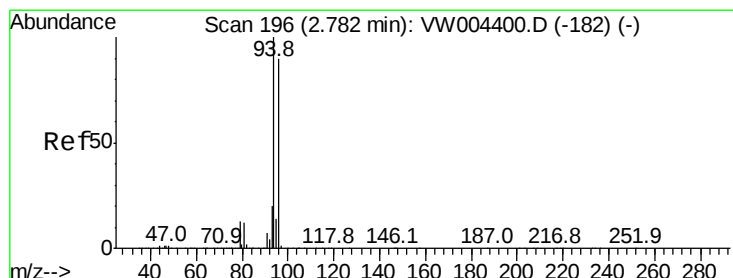
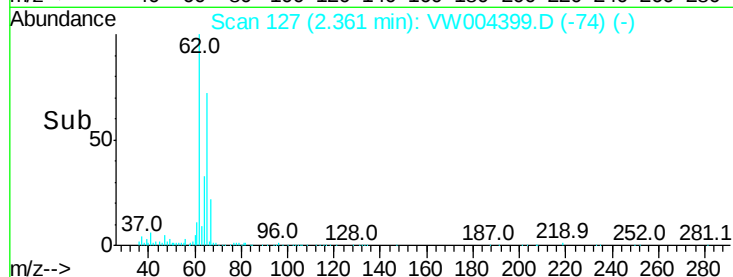
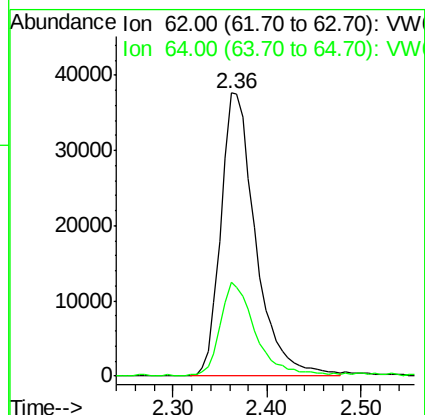
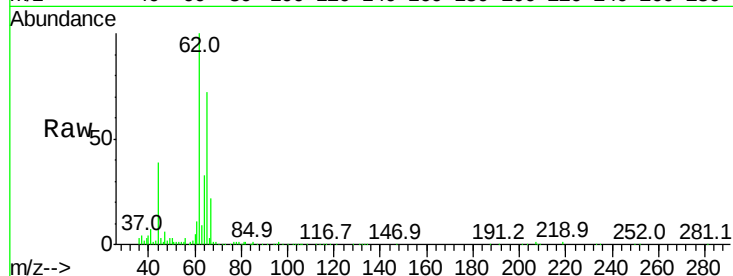
VSTD00590

Tgt Ion: 62 Resp: 97056

Ion Ratio Lower Upper

62 100

64 33.0 24.0 44.6



#6

Bromomethane

Concen: 6.911 ug/L

RT: 2.78 min Scan# 196

Delta R.T. 0.00 min

Lab File: VW004399.D

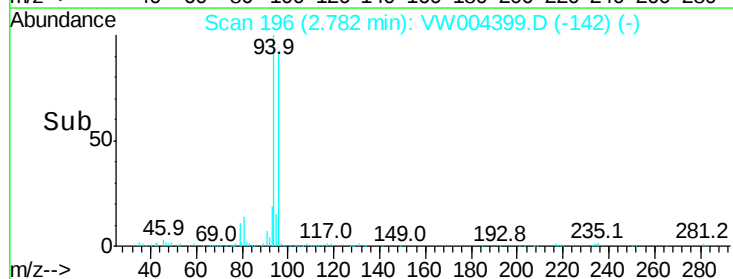
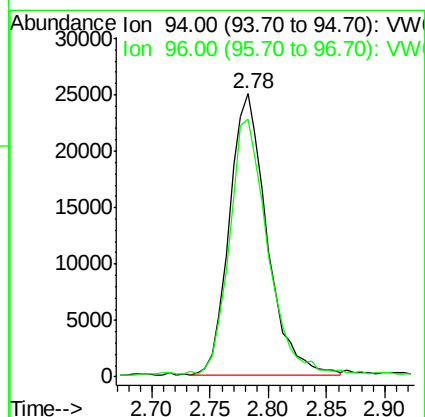
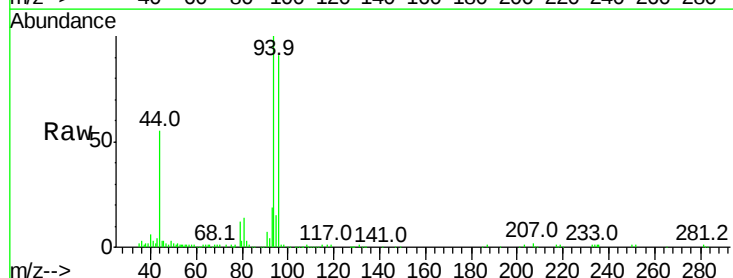
Acq: 02 Aug 2018 13:17

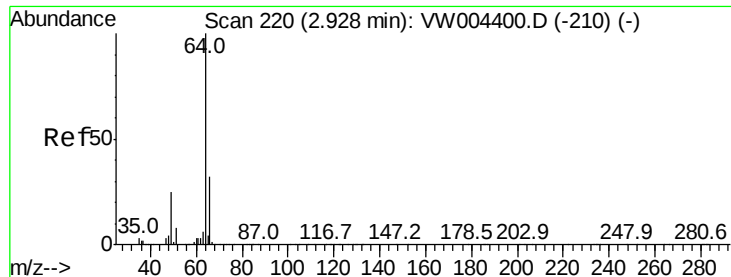
Tgt Ion: 94 Resp: 56287

Ion Ratio Lower Upper

94 100

96 92.0 9.2 175.2





#8

Chloroethane

Concen: 7.116 ug/L

RT: 2.92 min Scan# 219

Delta R.T. -0.01 min

Lab File: VW004399.D

Acq: 02 Aug 2018 13:17

Instrument :

MSVOA_W

ClientSampleId :

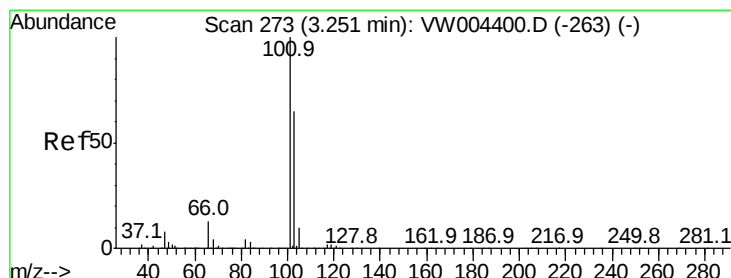
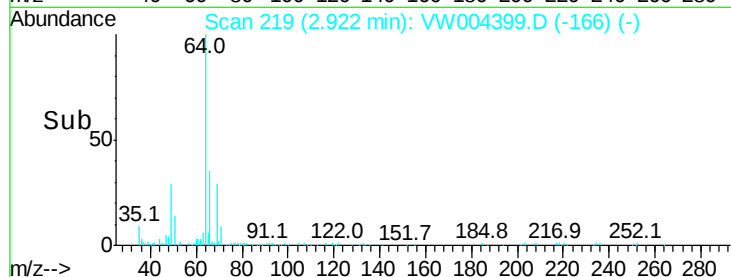
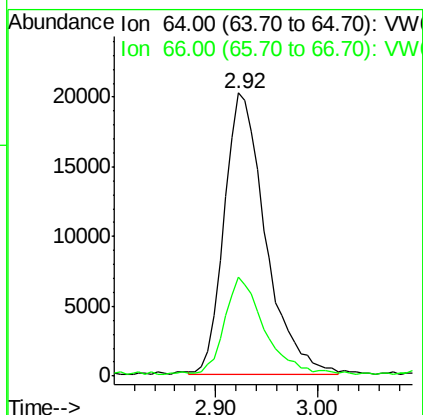
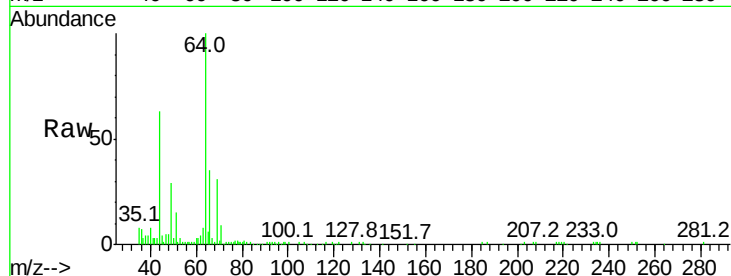
VSTD00590

Tgt Ion: 64 Resp: 56906

Ion Ratio Lower Upper

64 100

66 34.9 22.8 42.4



#9

Trichlorofluoromethane

Concen: 4.673 ug/L

RT: 3.25 min Scan# 273

Delta R.T. 0.00 min

Lab File: VW004399.D

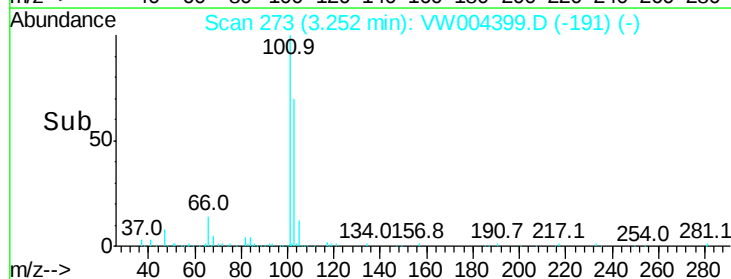
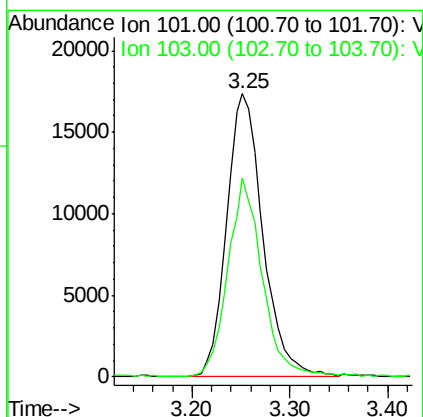
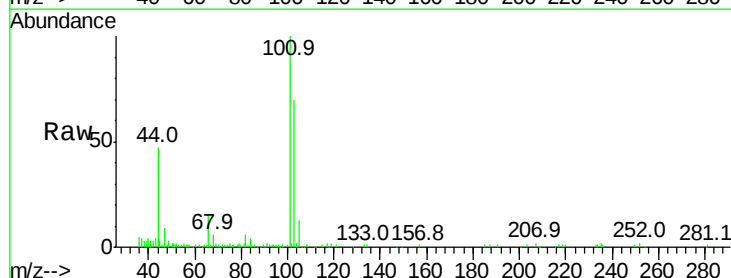
Acq: 02 Aug 2018 13:17

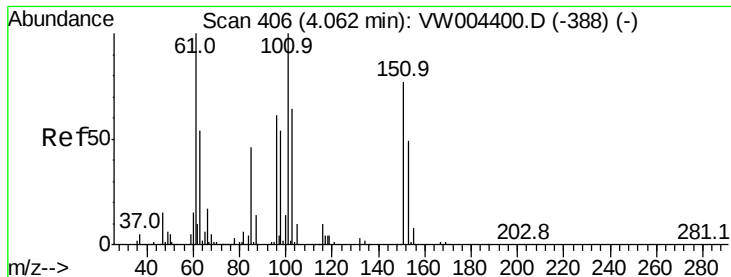
Tgt Ion: 101 Resp: 44556

Ion Ratio Lower Upper

101 100

103 66.8 45.3 84.1





#11

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

Concen: 5.242 ug/L

RT: 4.06 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW004399.D

Acq: 02 Aug 2018 13:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD00590

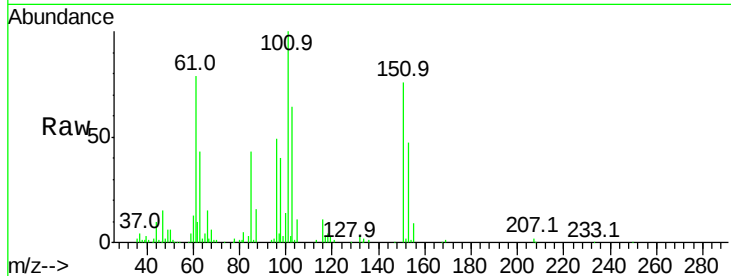
Tgt Ion:101 Resp: 73677

Ion Ratio Lower Upper

101 100

85 40.1 35.6 53.4

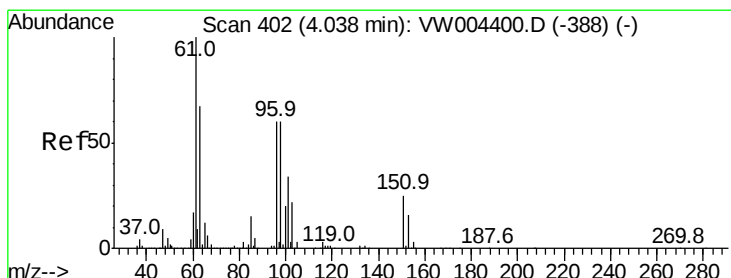
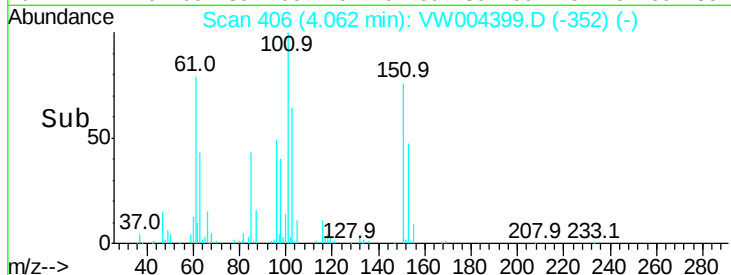
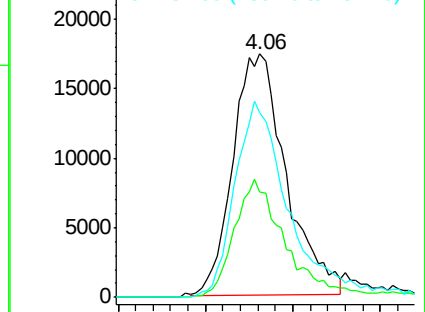
151 78.8 62.6 94.0



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: 5.411 ug/L

RT: 4.03 min Scan# 401

Delta R.T. -0.01 min

Lab File: VW004399.D

Acq: 02 Aug 2018 13:17

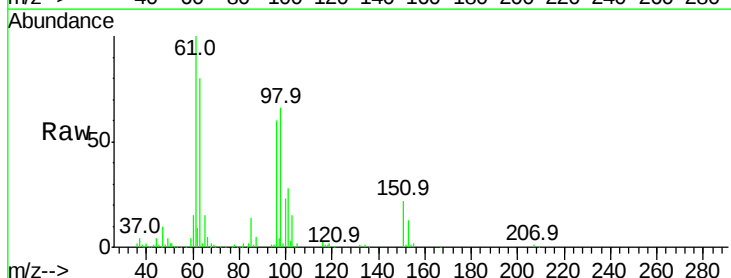
Tgt Ion: 96 Resp: 71415

Ion Ratio Lower Upper

96 100

61 166.0 115.9 215.3

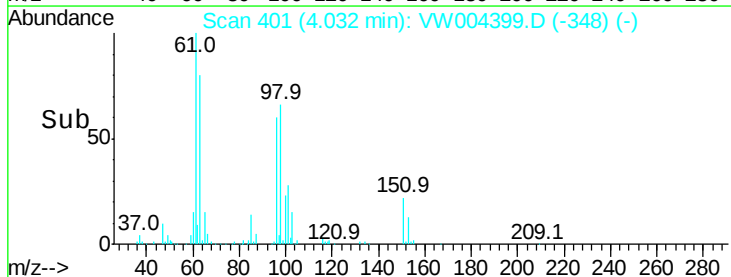
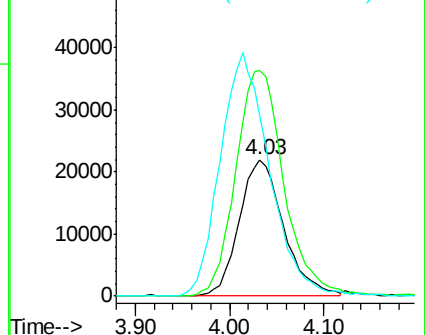
63 132.8 78.0 144.9

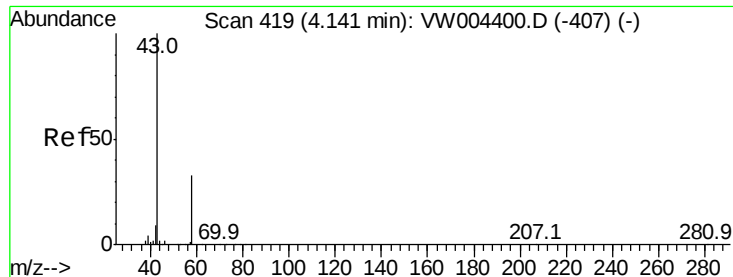


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 9.669 ug/L

RT: 4.14 min Scan# 419

Delta R.T. 0.00 min

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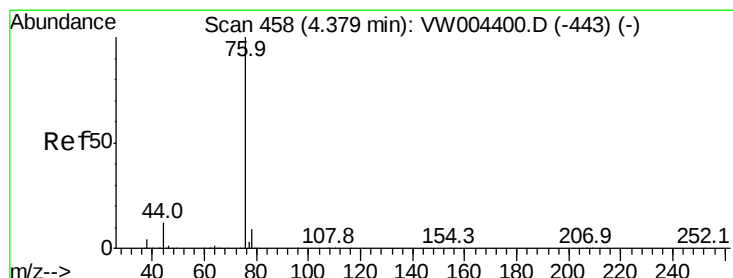
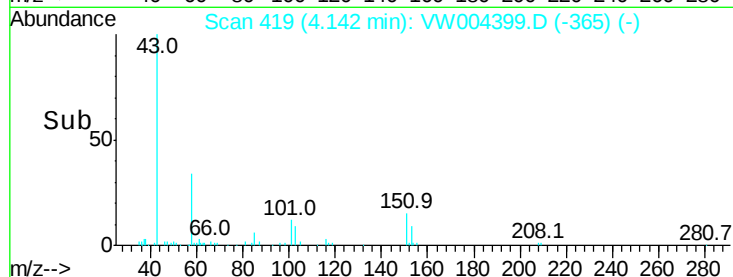
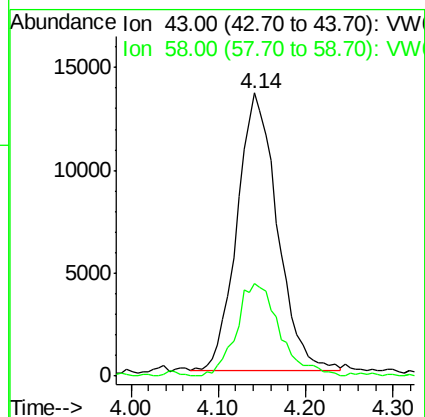
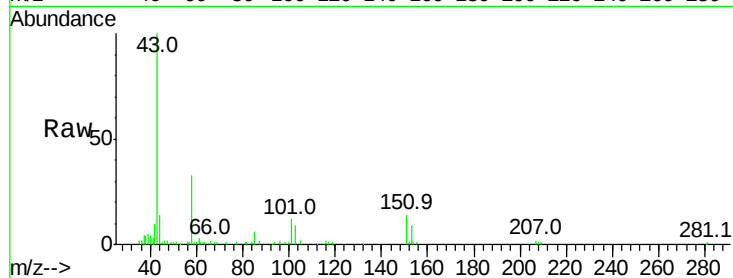
VSTD00590

Tgt Ion: 43 Resp: 43445

Ion Ratio Lower Upper

43 100

58 34.4 0.0 66.4



#14

Carbon disulfide

Concen: 5.896 ug/L

RT: 4.37 min Scan# 457

Delta R.T. -0.01 min

Lab File: VW004399.D

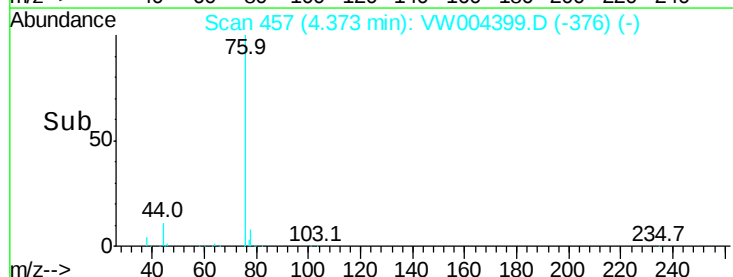
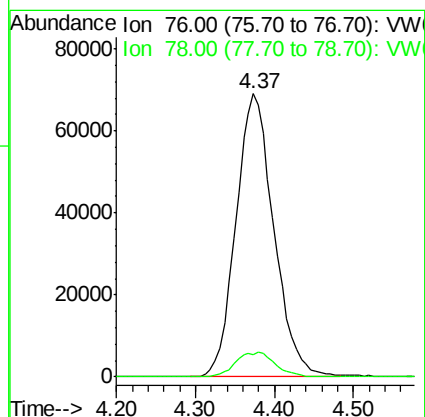
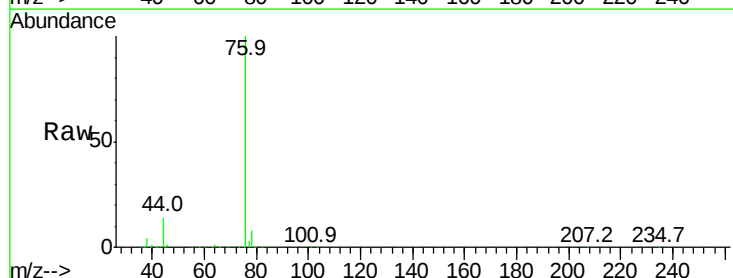
Acq: 02 Aug 2018 13:17

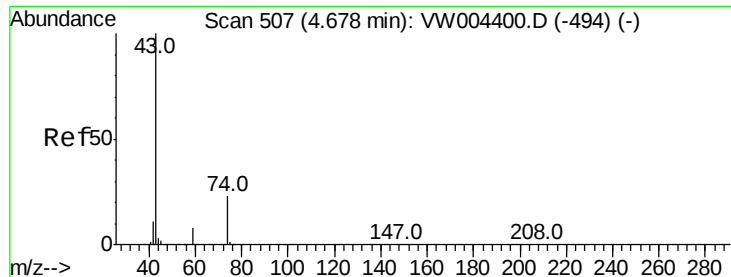
Tgt Ion: 76 Resp: 230182

Ion Ratio Lower Upper

76 100

78 8.0 7.2 10.8





#15

Methyl Acetate

Concen: 5.021 ug/L

RT: 4.68 min Scan# 507

Delta R.T. 0.00 min

Lab File: VW004399.D

Acq: 02 Aug 2018 13:17

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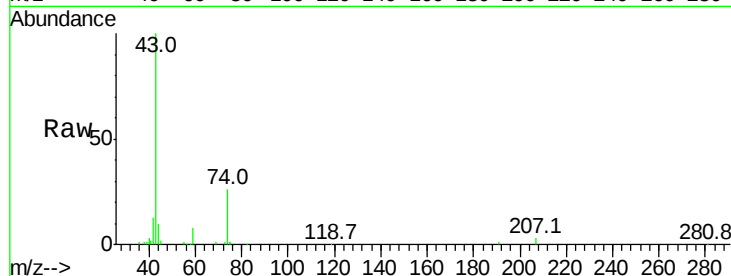
VSTD00590

Tgt Ion: 43 Resp: 44979

Ion Ratio Lower Upper

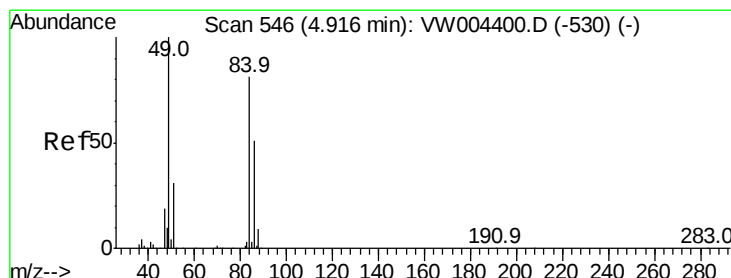
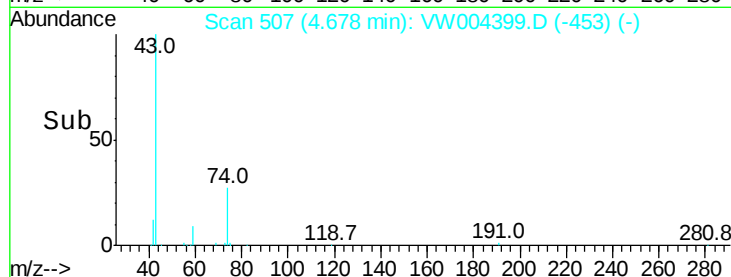
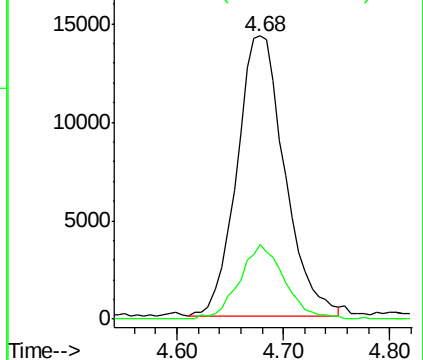
43 100

74 25.0 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 7.075 ug/L

RT: 4.91 min Scan# 545

Delta R.T. -0.01 min

Lab File: VW004399.D

Acq: 02 Aug 2018 13:17

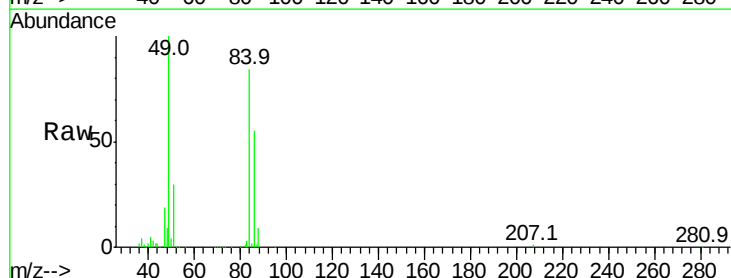
Tgt Ion: 84 Resp: 118882

Ion Ratio Lower Upper

84 100

49 119.7 86.0 159.6

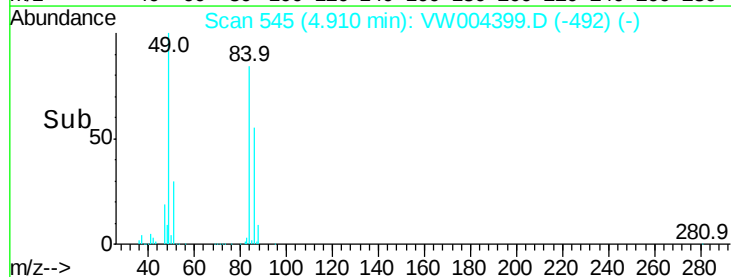
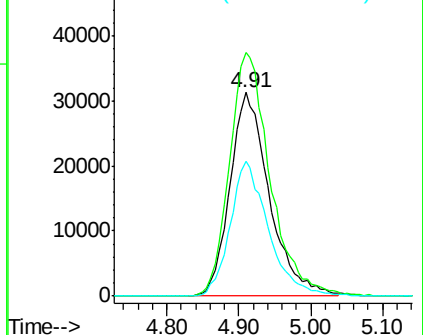
86 66.2 43.5 80.9

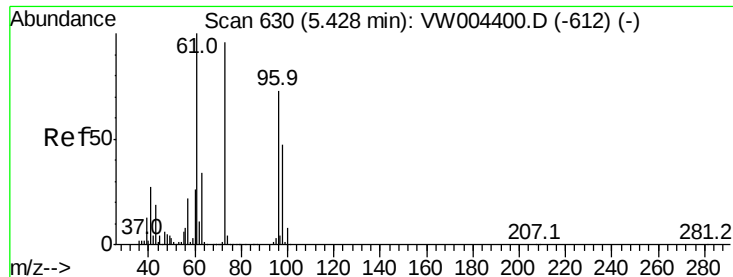


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW





#17

Methyl tert-butyl Ether

Concen: 4.438 ug/L

RT: 5.43 min Scan# 630

Delta R.T. 0.00 min

Lab File: VW004399.D

Acq: 02 Aug 2018 13:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD00590

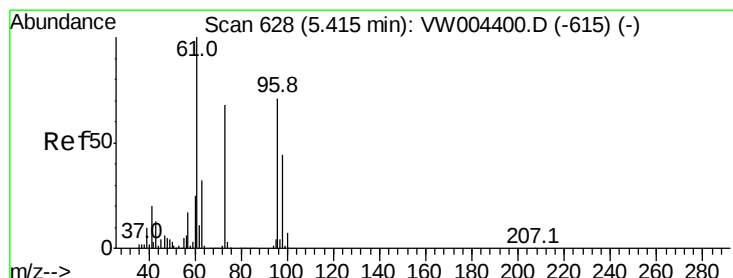
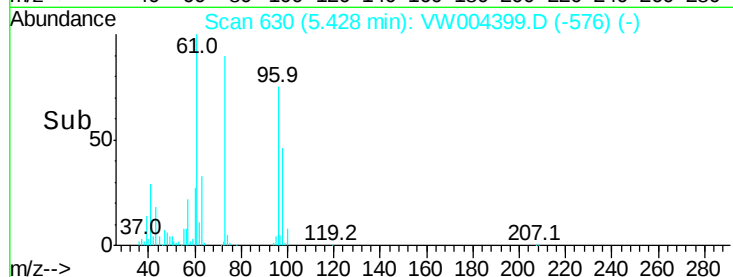
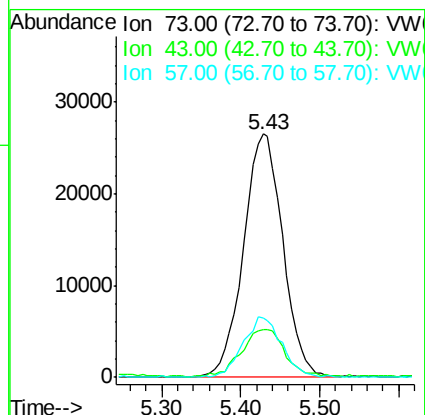
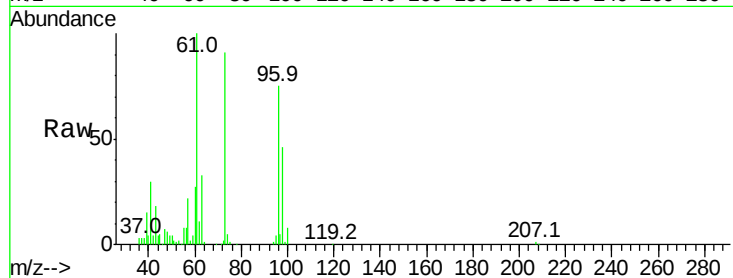
Tgt Ion: 73 Resp: 92000

Ion Ratio Lower Upper

73 100

43 22.2 16.2 24.2

57 24.2 18.9 28.3



#18

trans-1,2-Dichloroethene

Concen: 5.085 ug/L

RT: 5.42 min Scan# 628

Delta R.T. 0.00 min

Lab File: VW004399.D

Acq: 02 Aug 2018 13:17

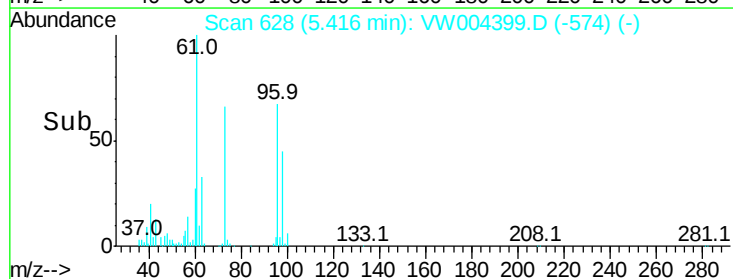
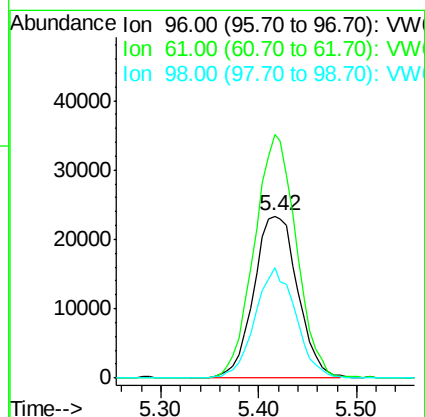
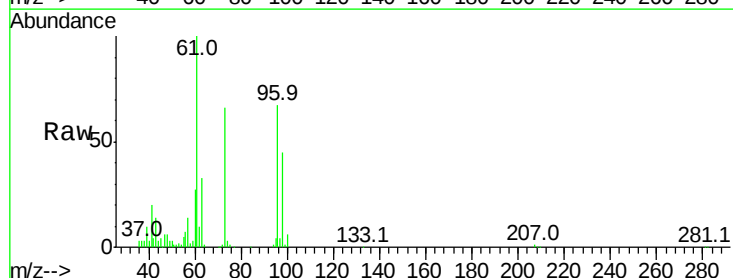
Tgt Ion: 96 Resp: 72850

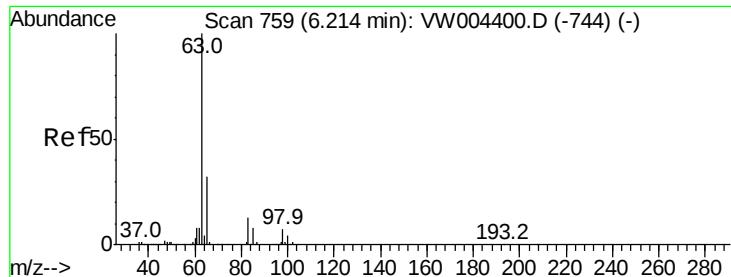
Ion Ratio Lower Upper

96 100

61 150.3 97.9 181.7

98 68.3 43.0 79.8

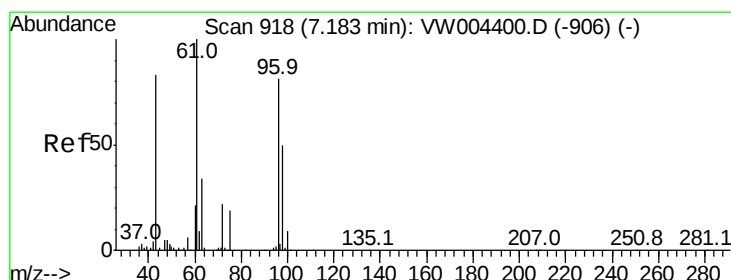
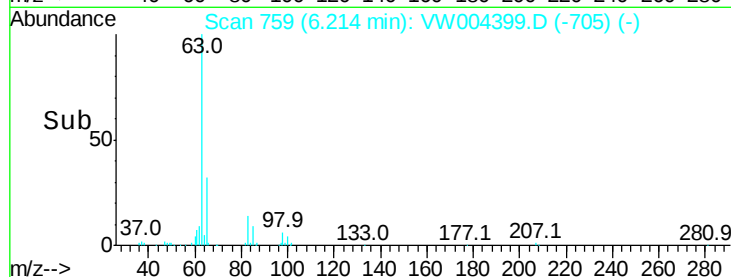
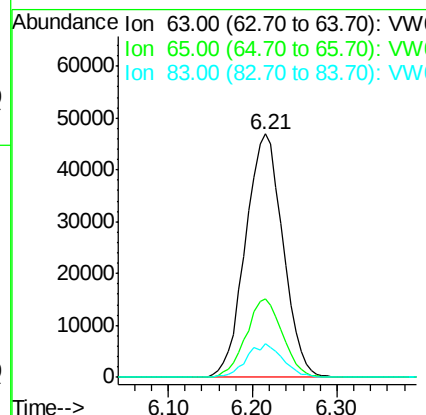
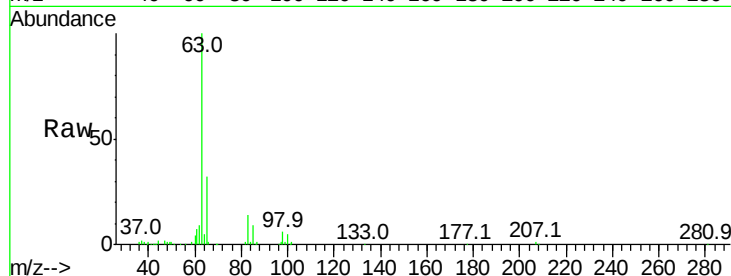




#19
 1,1-Dichloroethane
 Concen: 5.688 ug/L
 RT: 6.21 min Scan# 759
 Delta R.T. 0.00 min
 Lab File: VW004399.D
 Acq: 02 Aug 2018 13:17

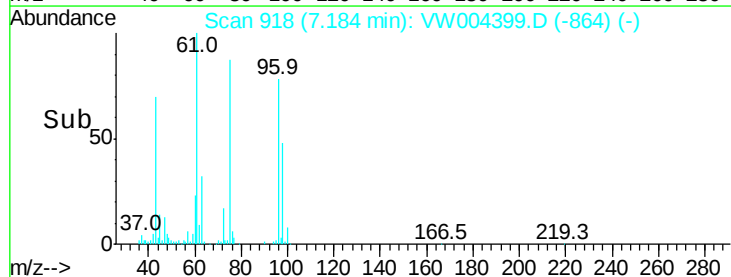
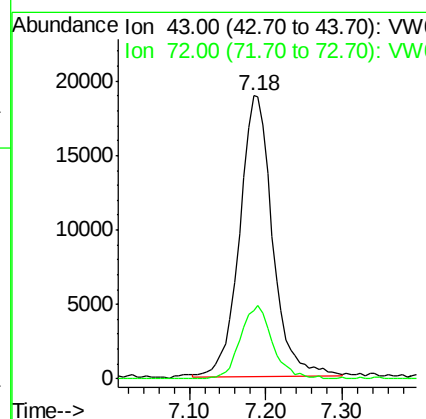
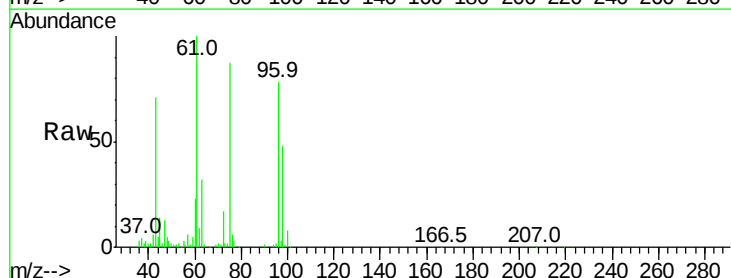
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00590

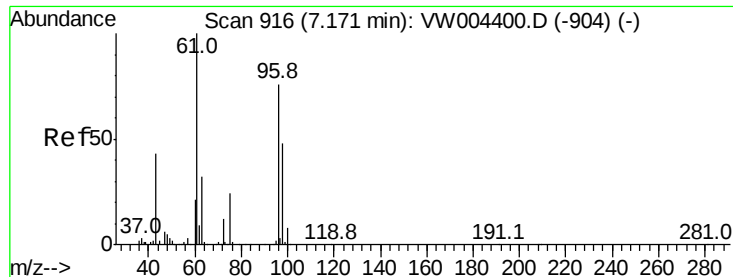
Tgt Ion: 63 Resp: 141661
 Ion Ratio Lower Upper
 63 100
 65 32.1 22.5 41.7
 83 13.9 9.3 17.3



#21
 2-Butanone
 Concen: 9.248 ug/L
 RT: 7.18 min Scan# 918
 Delta R.T. 0.00 min
 Lab File: VW004399.D
 Acq: 02 Aug 2018 13:17

Tgt Ion: 43 Resp: 56636
 Ion Ratio Lower Upper
 43 100
 72 25.2 13.2 39.6



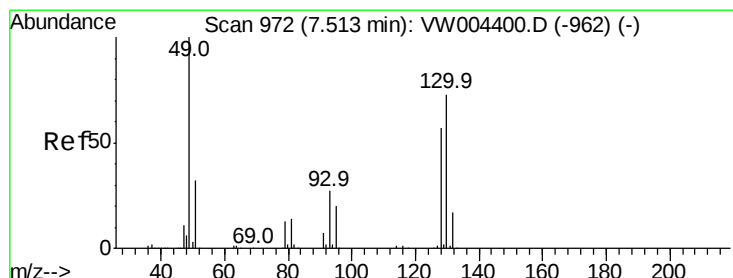
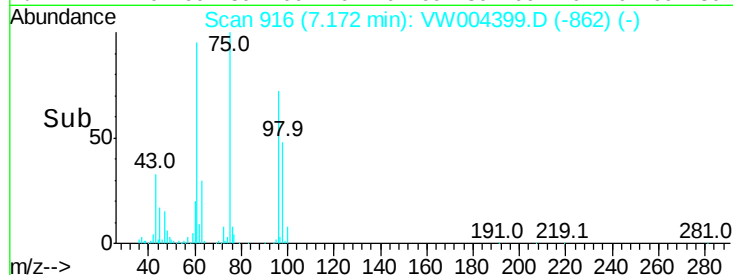
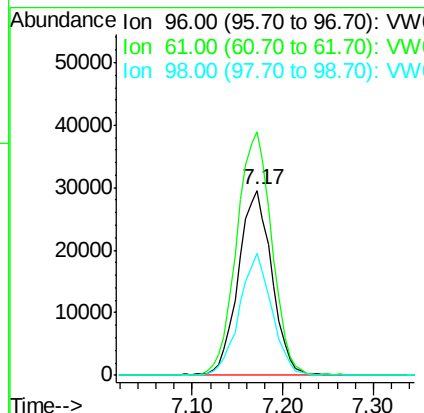
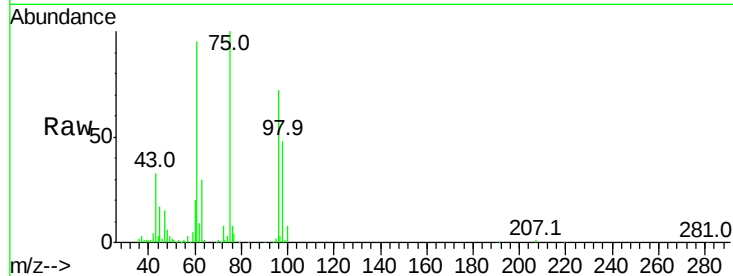


#22

cis-1,2-Dichloroethene
Concen: 4.795 ug/L
RT: 7.17 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW004399.D
Acq: 02 Aug 2018 13:17

Instrument :
MSVOA_W
ClientSampled :
VSTD00590

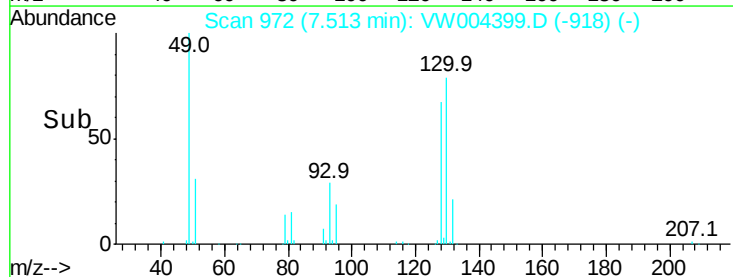
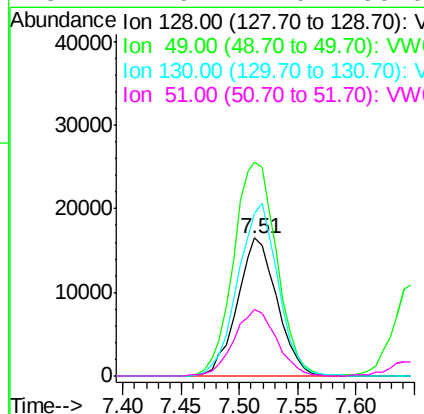
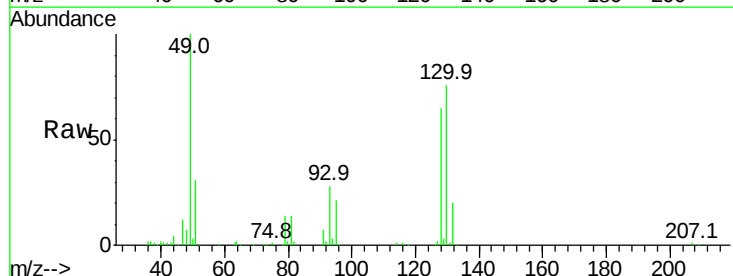
Tgt Ion: 96 Resp: 75710
Ion Ratio Lower Upper
96 100
61 131.6 92.5 171.7
98 65.7 44.1 81.9

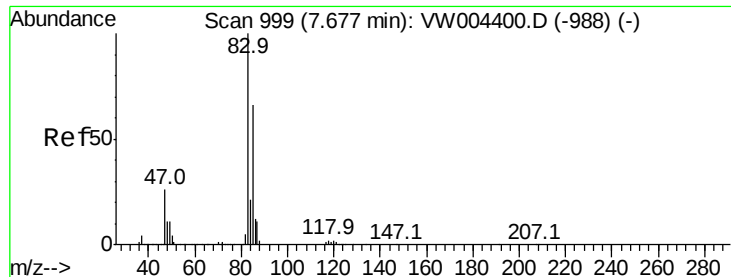


#23

Bromochloromethane
Concen: 5.289 ug/L
RT: 7.51 min Scan# 972
Delta R.T. 0.00 min
Lab File: VW004399.D
Acq: 02 Aug 2018 13:17

Tgt Ion: 128 Resp: 39221
Ion Ratio Lower Upper
128 100
49 154.8 122.0 226.6
130 117.5 88.8 164.8
51 47.9 44.0 66.0





#25

Chloroform

Concen: 5.515 ug/L

RT: 7.68 min Scan# 999

Delta R.T. 0.00 min

Lab File: VW004399.D

Acq: 02 Aug 2018 13:17

Instrument :

MSVOA_W

ClientSampleId :

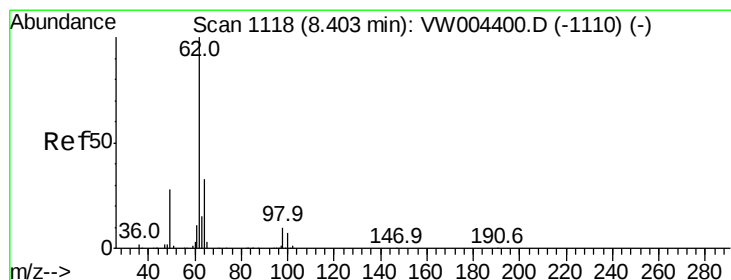
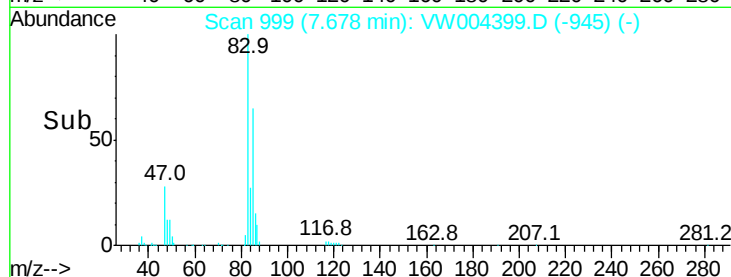
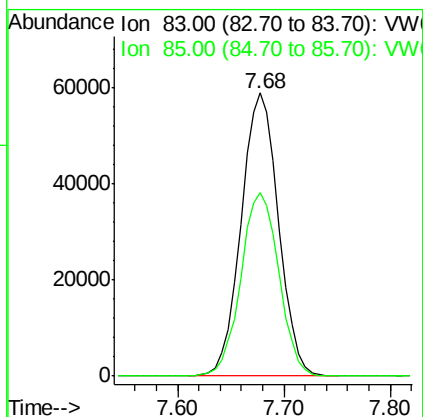
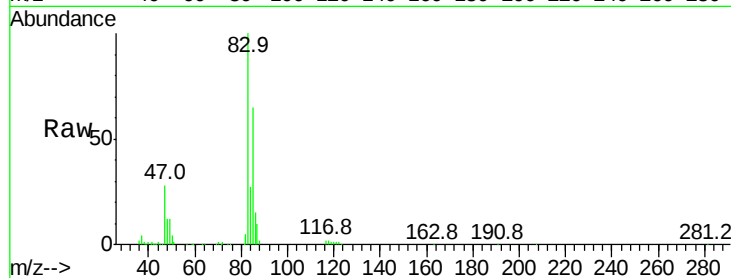
VSTD00590

Tgt Ion: 83 Resp: 144502

Ion Ratio Lower Upper

83 100

85 66.1 45.7 84.9



#27

1,2-Dichloroethane

Concen: 5.407 ug/L

RT: 8.40 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VW004399.D

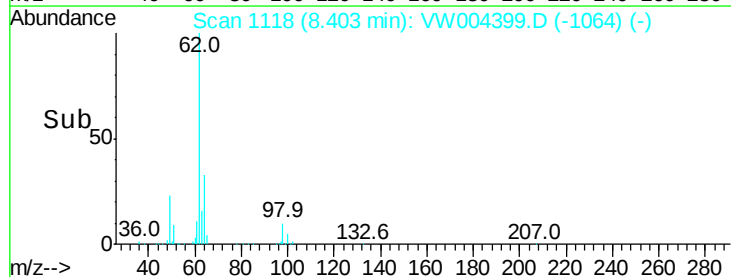
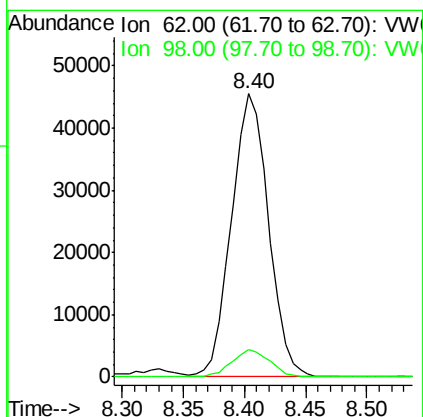
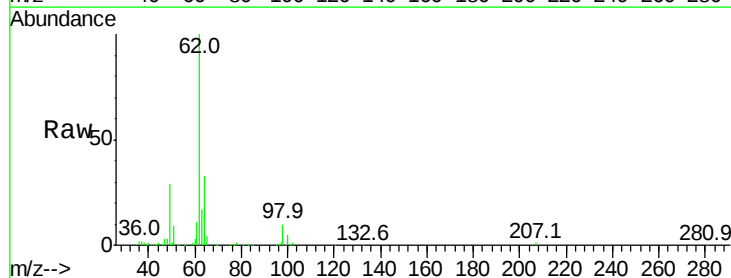
Acq: 02 Aug 2018 13:17

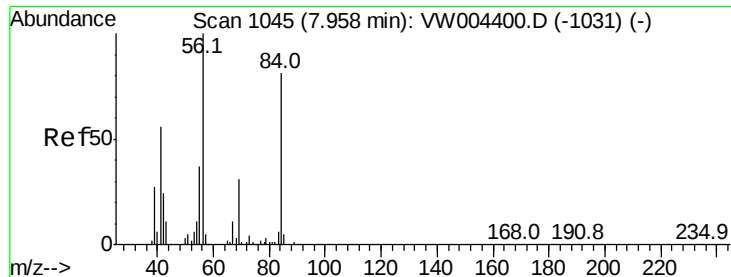
Tgt Ion: 62 Resp: 95695

Ion Ratio Lower Upper

62 100

98 9.6 7.6 11.4

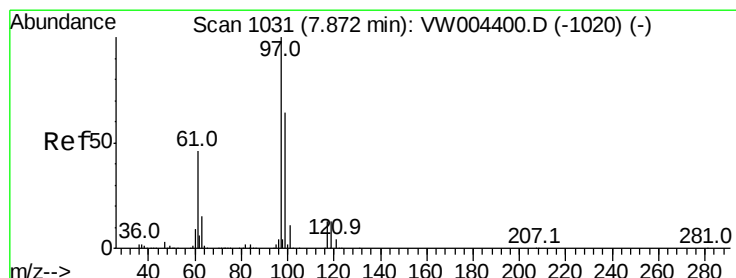
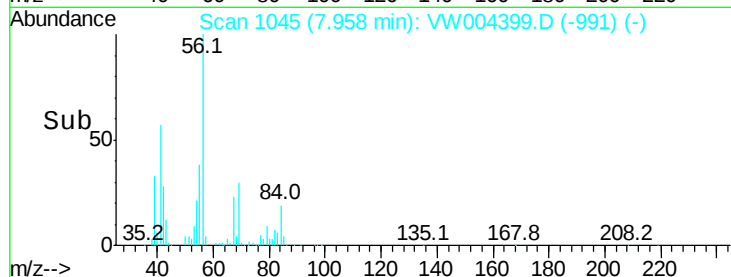
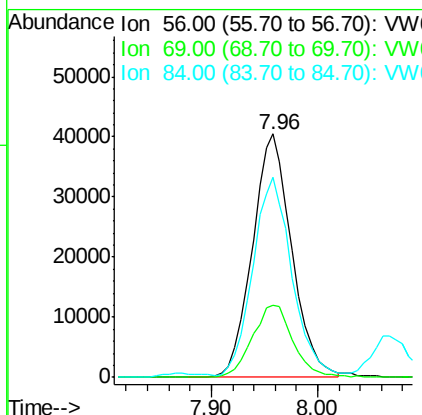
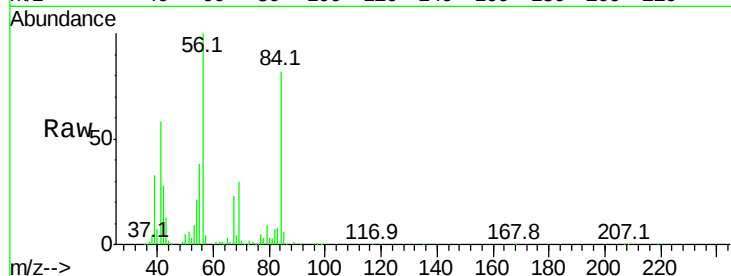




#30
Cyclohexane
Concen: 4.220 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VW004399.D
Acq: 02 Aug 2018 13:17

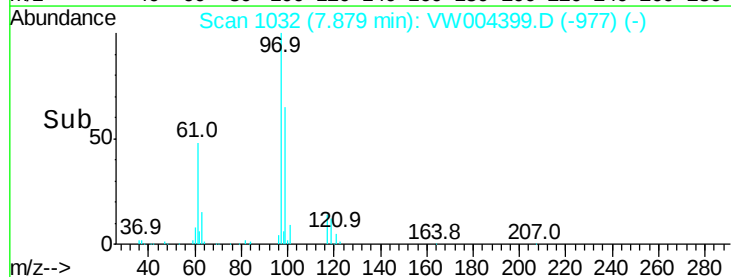
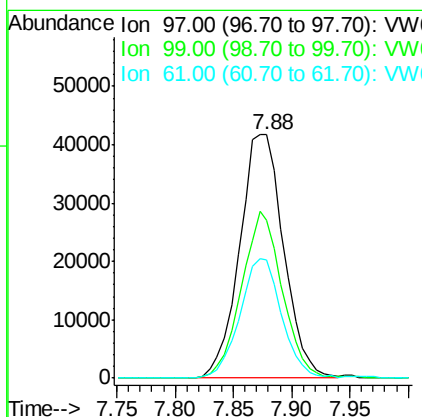
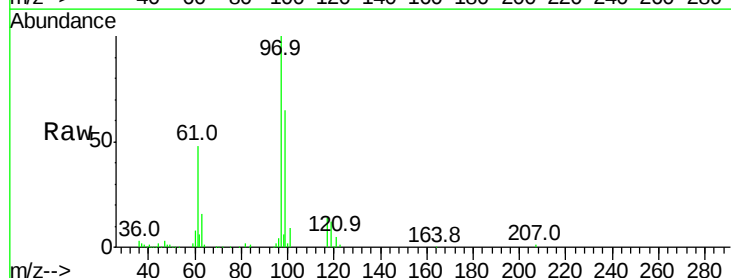
Instrument :
MSVOA_W
ClientSampled :
VSTD00590

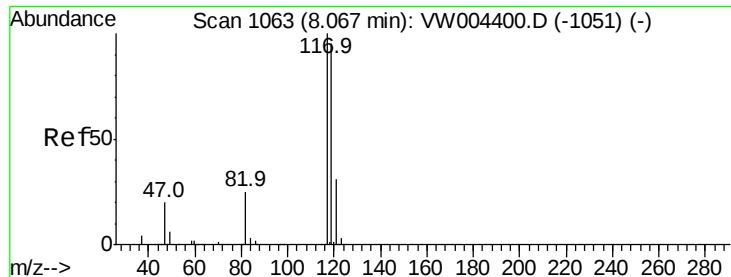
Tgt Ion: 56 Resp: 104487
Ion Ratio Lower Upper
56 100
69 30.9 24.0 36.0
84 82.8 66.7 100.1



#31
1,1,1-Trichloroethane
Concen: 4.778 ug/L
RT: 7.88 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VW004399.D
Acq: 02 Aug 2018 13:17

Tgt Ion: 97 Resp: 109765
Ion Ratio Lower Upper
97 100
99 63.1 51.8 77.6
61 46.5 37.3 55.9





#32

Carbon tetrachloride

Concen: 4.702 ug/L

RT: 8.07 min Scan# 1064

Delta R.T. 0.01 min

Lab File: VW004399.D

Acq: 02 Aug 2018 13:17

Instrument :

MSVOA_W

ClientSampleId :

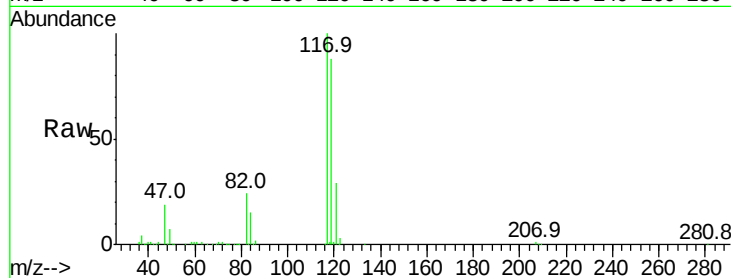
VSTD00590

Tgt Ion:117 Resp: 105204

Ion Ratio Lower Upper

117 100

119 94.0 76.5 114.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

40000

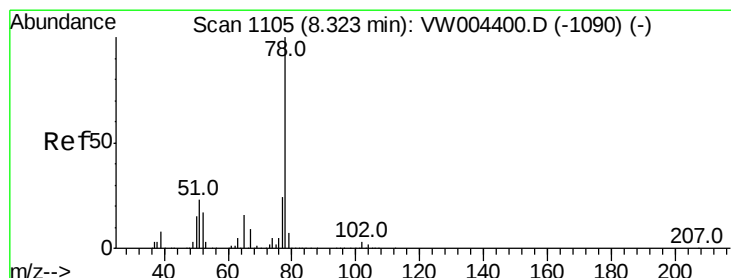
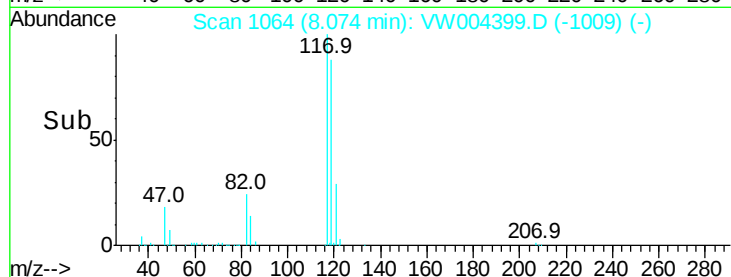
30000

20000

10000

0

Time--> 7.95 8.00 8.05 8.10 8.15



#34

Benzene

Concen: 5.110 ug/L

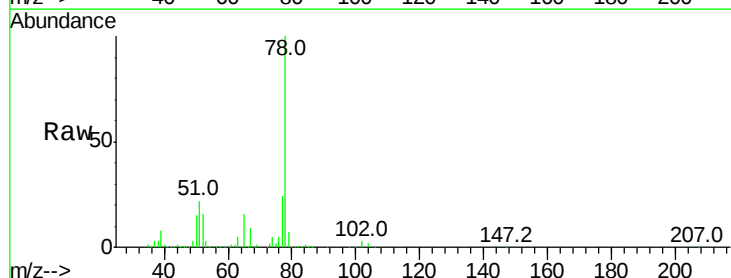
RT: 8.32 min Scan# 1105

Delta R.T. 0.00 min

Lab File: VW004399.D

Acq: 02 Aug 2018 13:17

Tgt Ion: 78 Resp: 310570



Abundance Ion 78.00 (77.70 to 78.70): VW

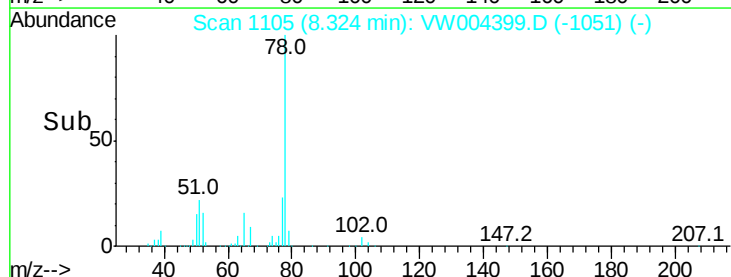
150000

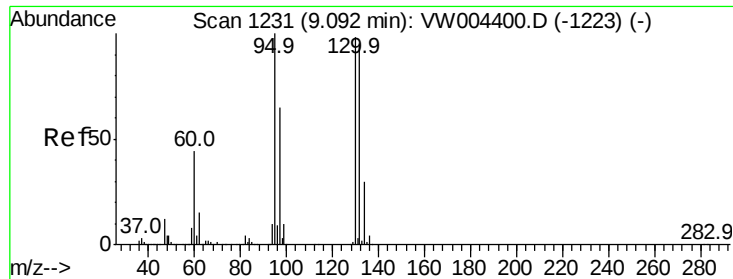
100000

50000

0

Time--> 8.20 8.30 8.40





#35

Trichloroethene

Concen: 4.843 ug/L

RT: 9.09 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VW004399.D

Acq: 02 Aug 2018 13:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD00590

Tgt Ion: 95 Resp: 78794

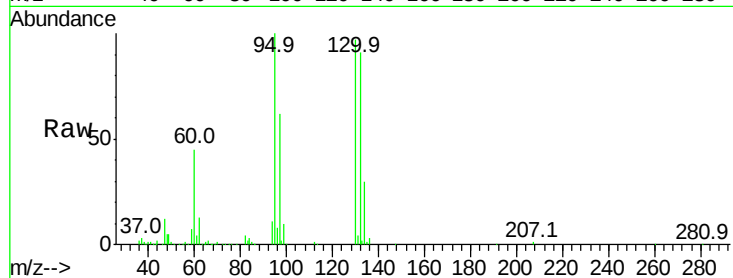
Ion Ratio Lower Upper

95 100

97 65.0 44.9 83.5

132 96.4 67.6 125.6

130 100.0 69.1 128.3

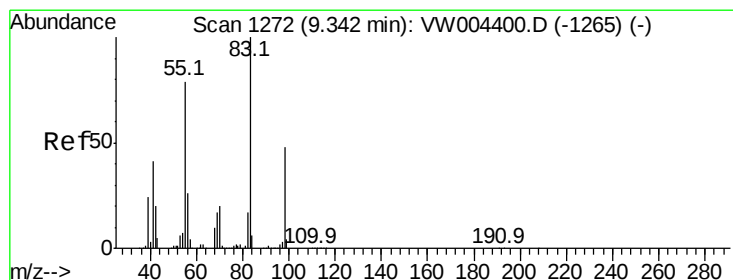
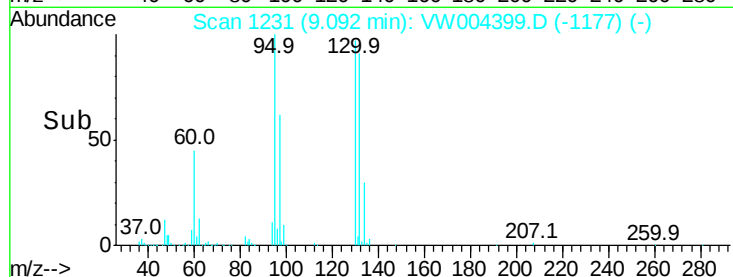
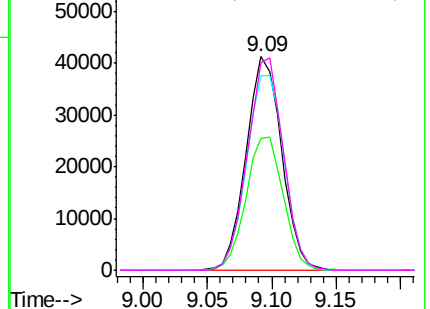


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 4.418 ug/L

RT: 9.34 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VW004399.D

Acq: 02 Aug 2018 13:17

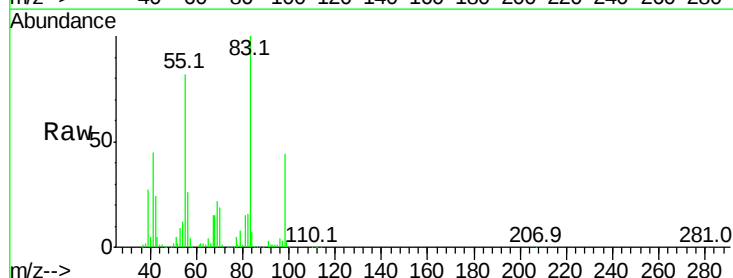
Tgt Ion: 83 Resp: 128206

Ion Ratio Lower Upper

83 100

55 81.9 62.8 94.2

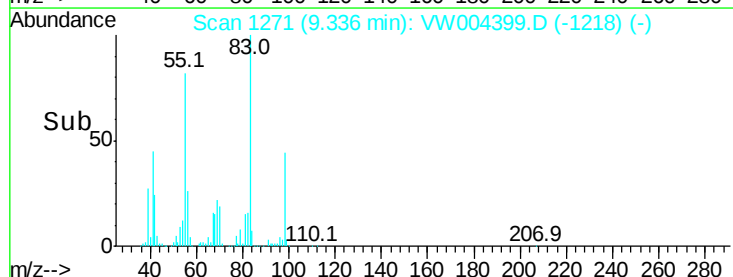
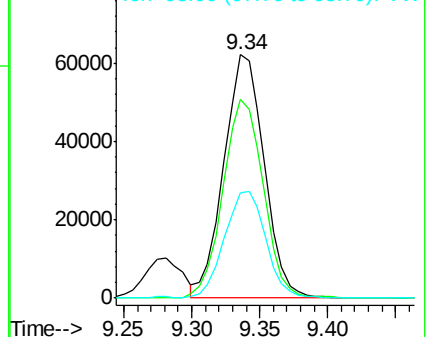
98 44.7 36.6 54.8

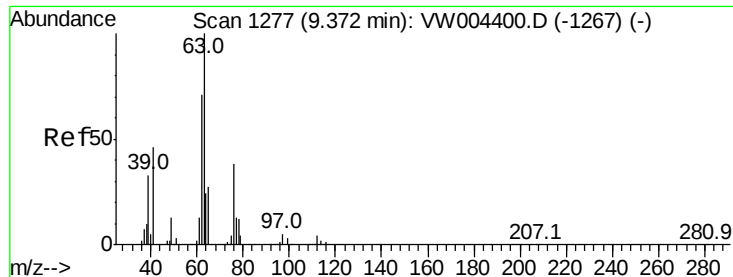


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

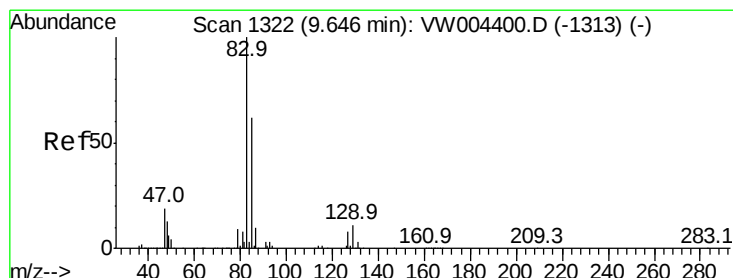
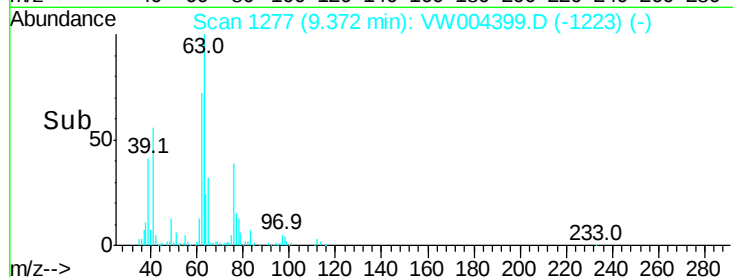
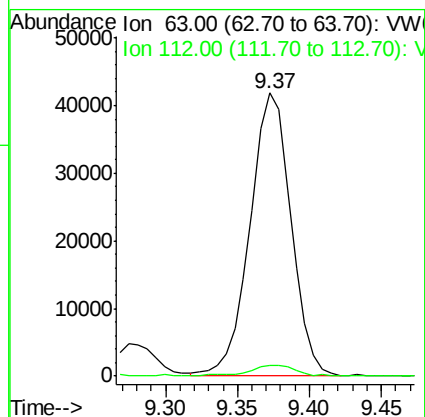
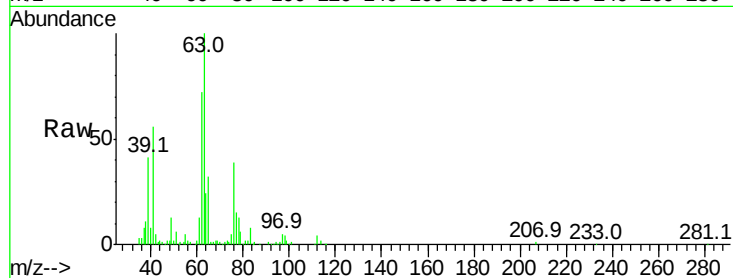




#40
 1,2-Dichloropropane
 Concen: 5.426 ug/L
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW004399.D
 Acq: 02 Aug 2018 13:17

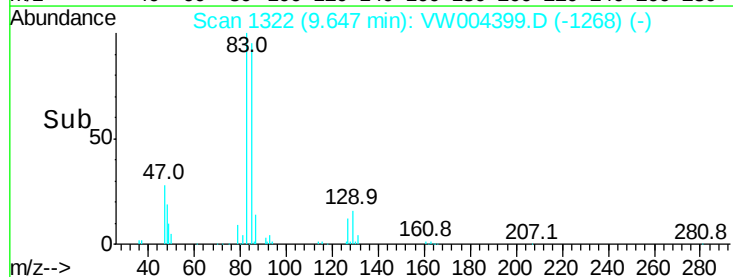
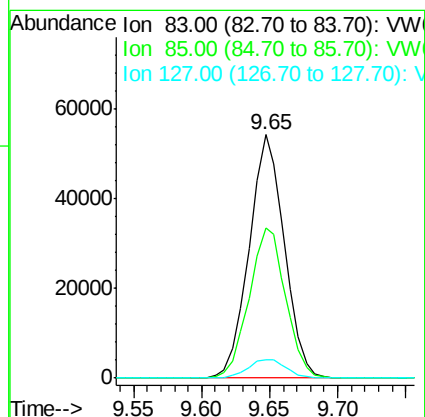
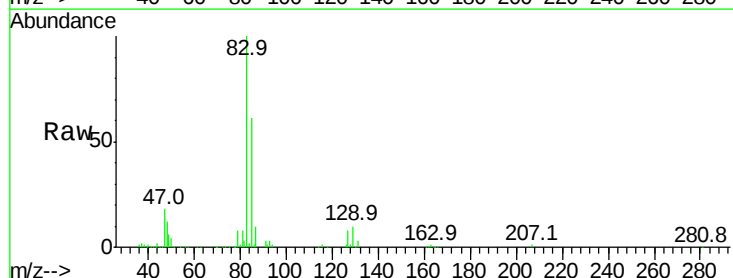
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00590

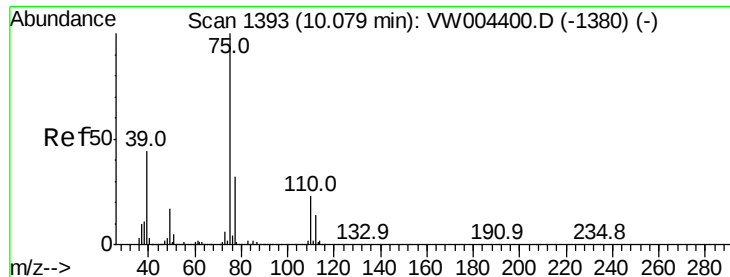
Tgt Ion: 63 Resp: 82721
 Ion Ratio Lower Upper
 63 100
 112 3.7 3.0 4.6



#41
 Bromodichloromethane
 Concen: 4.991 ug/L
 RT: 9.65 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VW004399.D
 Acq: 02 Aug 2018 13:17

Tgt Ion: 83 Resp: 98443
 Ion Ratio Lower Upper
 83 100
 85 61.5 43.7 81.1
 127 7.6 6.6 10.0





#42

cis-1,3-Dichloropropene

Concen: 4.373 ug/L

RT: 10.08 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW004399.D

Acq: 02 Aug 2018 13:17

Instrument :

MSVOA_W

ClientSampleId :

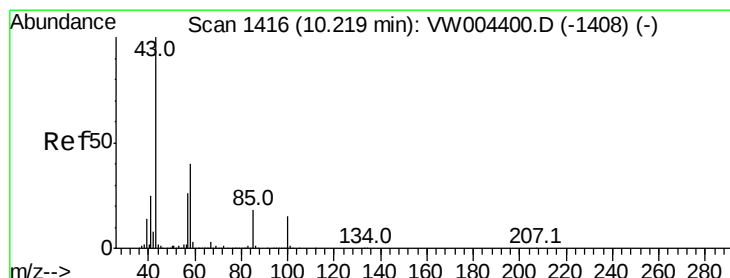
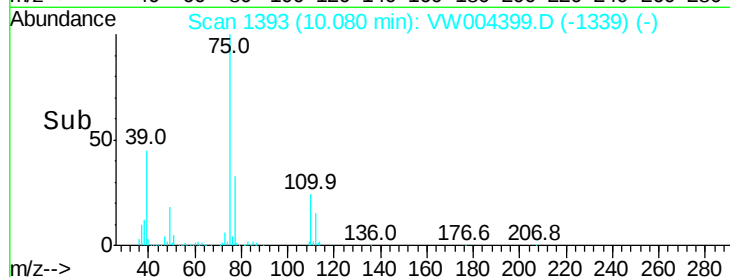
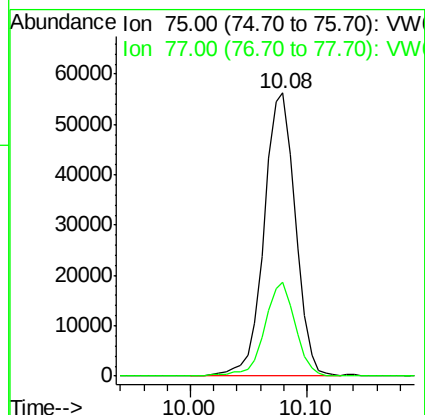
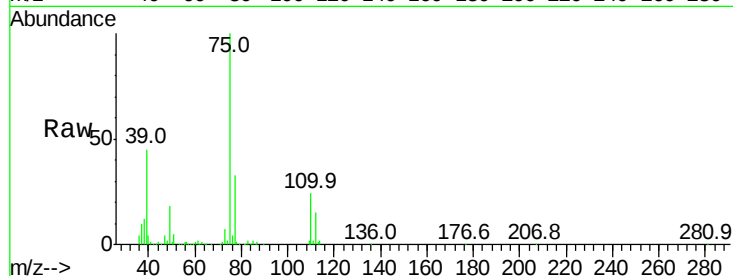
VSTD00590

Tgt Ion: 75 Resp: 104569

Ion Ratio Lower Upper

75 100

77 33.2 22.5 41.7



#43

4-Methyl-2-pentanone

Concen: 7.916 ug/L

RT: 10.22 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VW004399.D

Acq: 02 Aug 2018 13:17

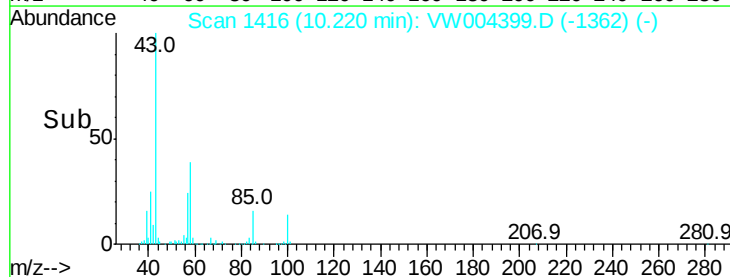
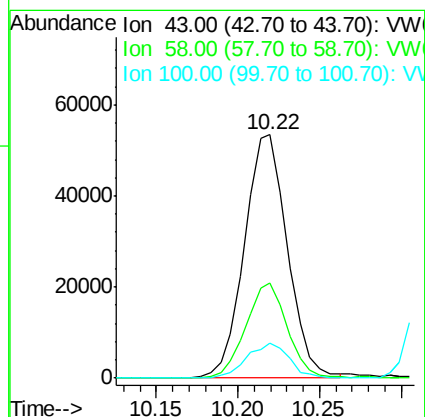
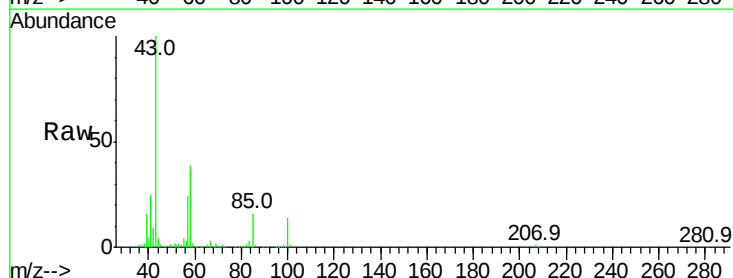
Tgt Ion: 43 Resp: 97709

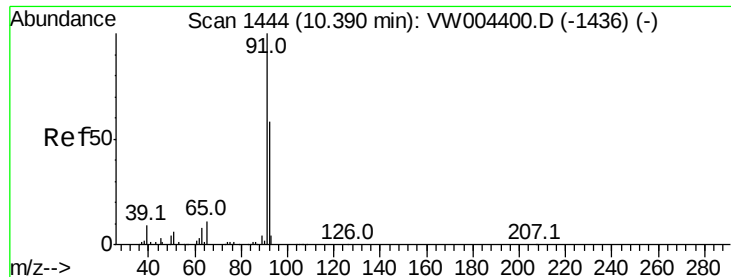
Ion Ratio Lower Upper

43 100

58 37.8 31.5 47.3

100 14.3 11.7 17.5





#44

Toluene

Concen: 4.698 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW004399.D

Acq: 02 Aug 2018 13:17

Instrument :

MSVOA_W

ClientSampleId :

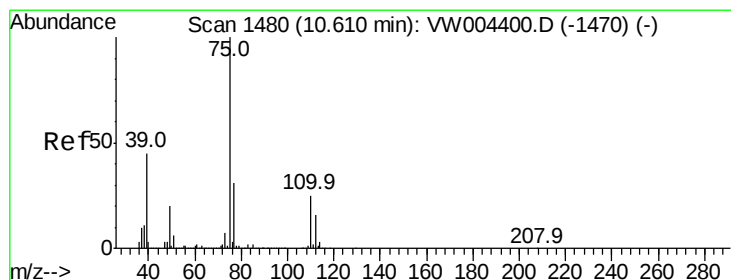
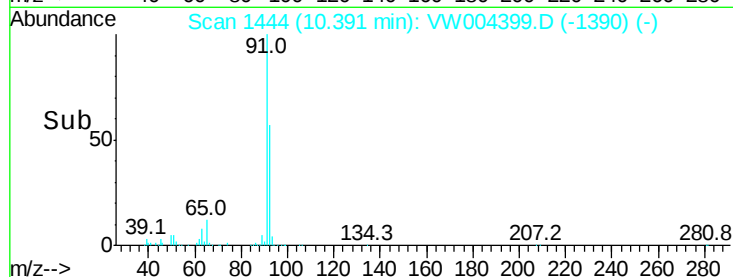
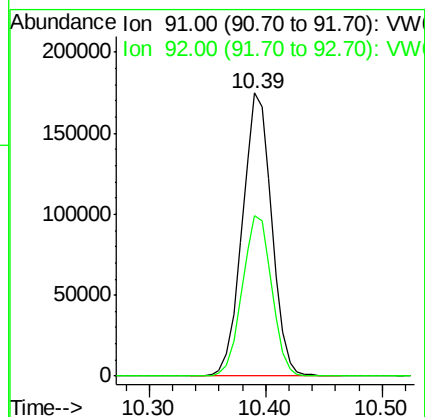
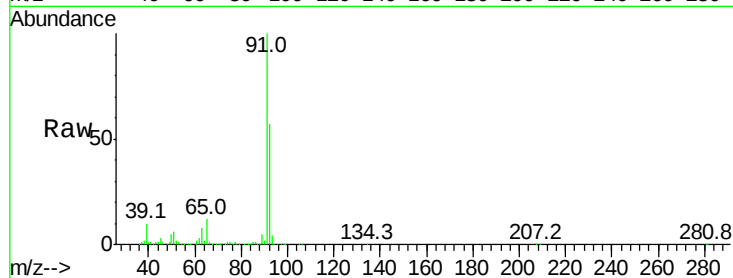
VSTD00590

Tgt Ion: 91 Resp: 307033

Ion Ratio Lower Upper

91 100

92 56.7 40.8 75.8



#45

trans-1,3-Dichloropropene

Concen: 4.413 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004399.D

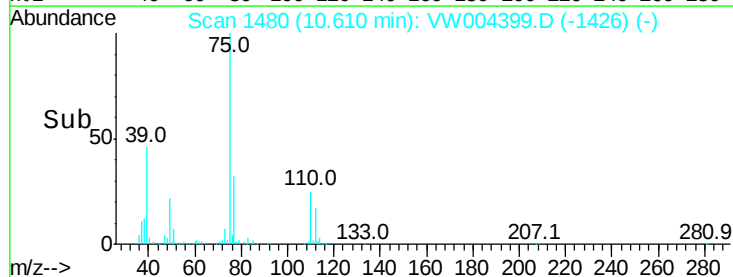
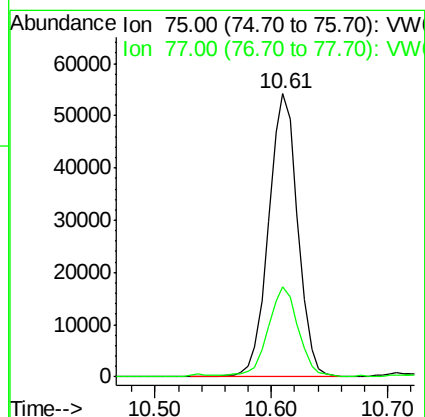
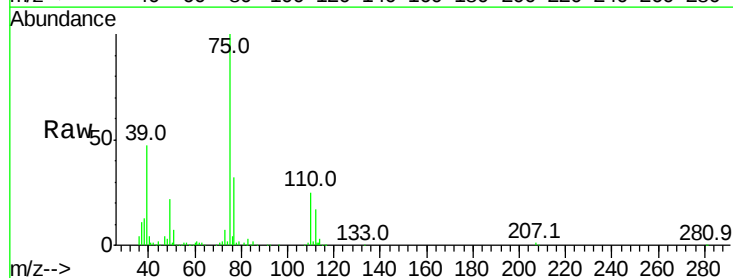
Acq: 02 Aug 2018 13:17

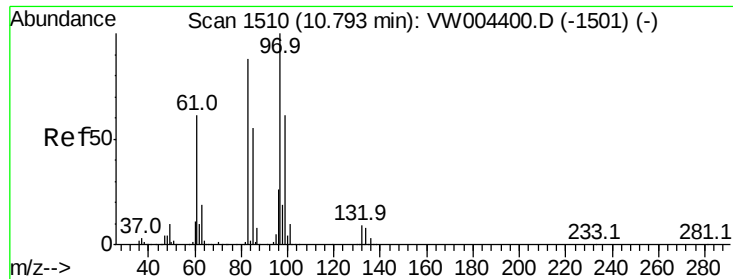
Tgt Ion: 75 Resp: 94747

Ion Ratio Lower Upper

75 100

77 32.0 21.8 40.6

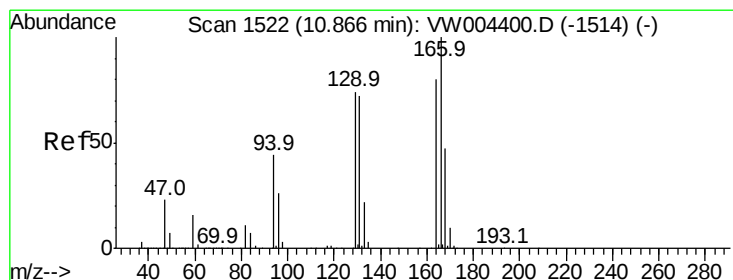
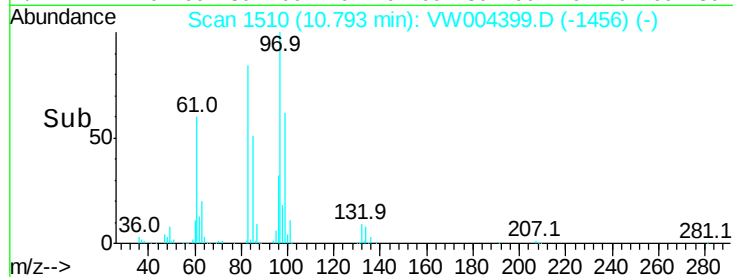
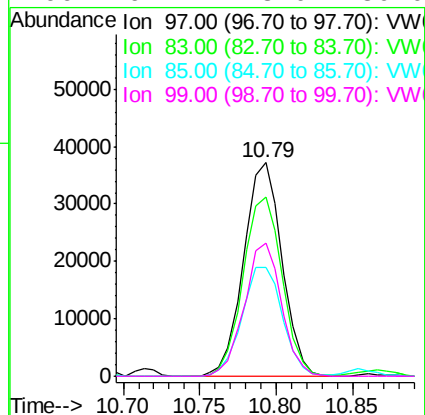
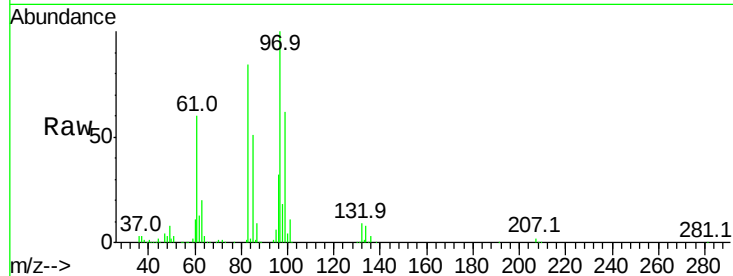




#46
 1,1,2-Trichloroethane
 Concen: 5.161 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW004399.D
 Acq: 02 Aug 2018 13:17

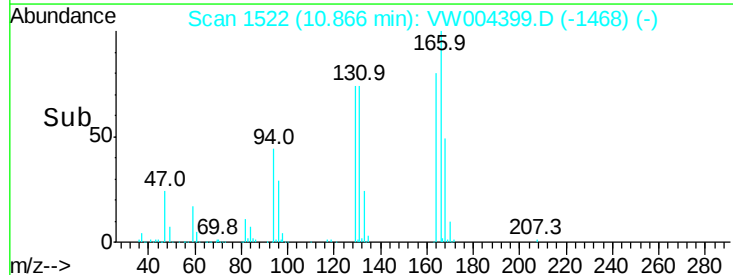
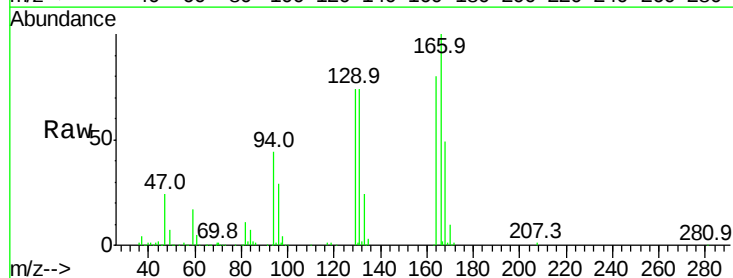
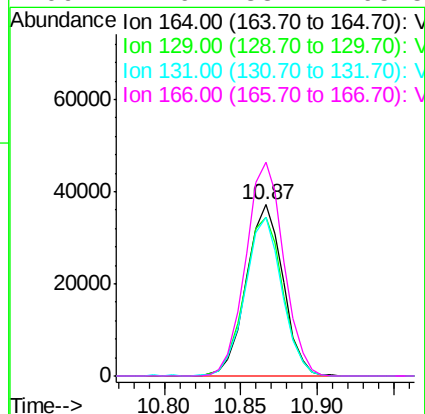
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00590

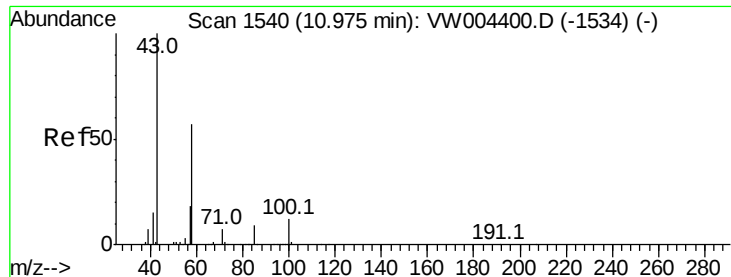
Tgt Ion:	97	Resp:	64883
Ion	Ratio	Lower	Upper
97	100		
83	84.1	61.8	114.8
85	51.1	38.8	72.0
99	62.2	43.0	80.0



#47
 Tetrachloroethene
 Concen: 4.451 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. 0.00 min
 Lab File: VW004399.D
 Acq: 02 Aug 2018 13:17

Tgt Ion:	164	Resp:	62181
Ion	Ratio	Lower	Upper
164	100		
129	92.8	65.4	121.4
131	92.2	63.8	118.6
166	124.6	88.1	163.5

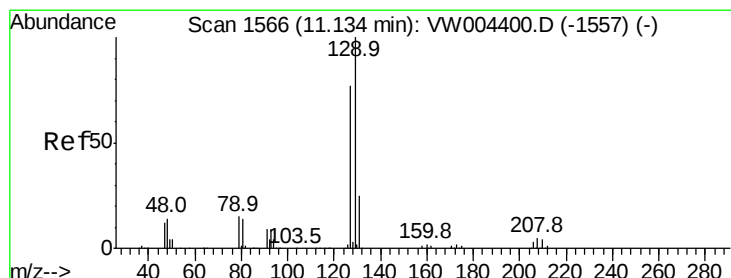
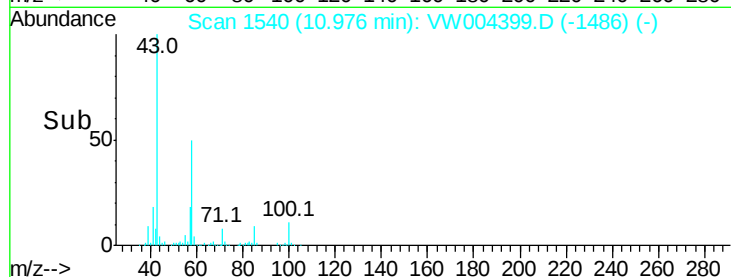
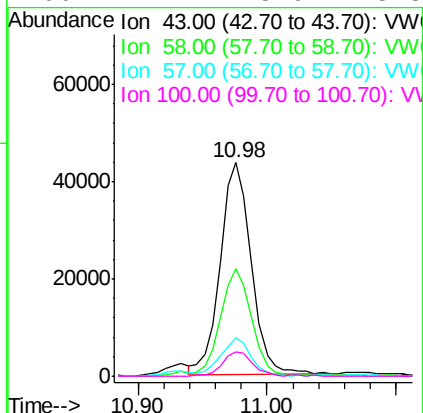
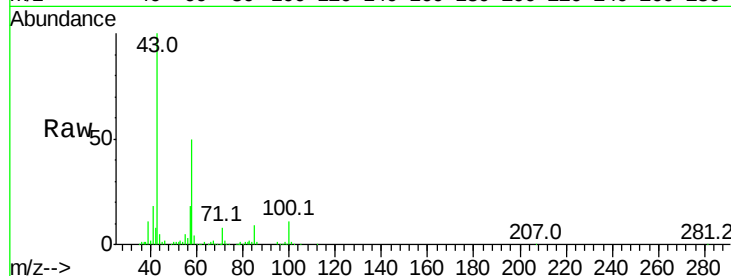




#49
2-Hexanone
Concen: 8.051 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW004399.D
Acq: 02 Aug 2018 13:17

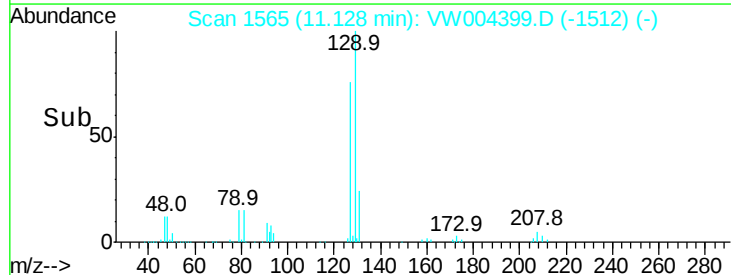
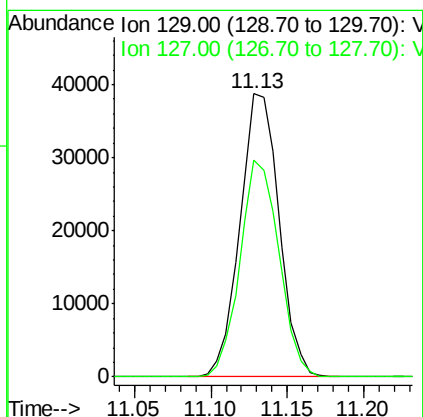
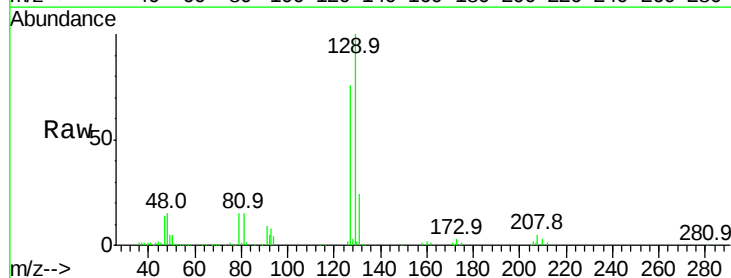
Instrument :
MSVOA_W
ClientSampleId :
VSTD00590

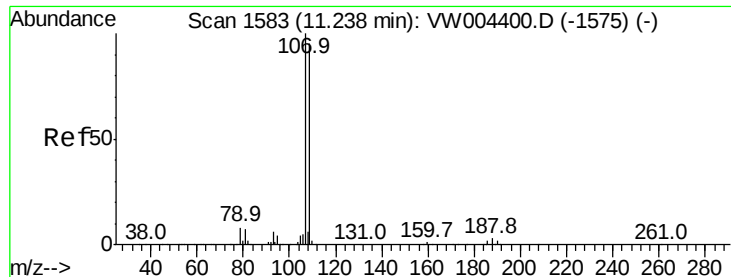
Tgt Ion: 43 Resp: 73858
Ion Ratio Lower Upper
43 100
58 50.6 43.4 65.0
57 17.9 15.0 22.6
100 11.4 8.9 13.3



#50
Dibromochloromethane
Concen: 4.502 ug/L
RT: 11.13 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VW004399.D
Acq: 02 Aug 2018 13:17

Tgt Ion: 129 Resp: 68947
Ion Ratio Lower Upper
129 100
127 76.4 54.1 100.5





#51

1,2-Dibromoethane

Concen: 4.731 ug/L

RT: 11.24 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VW004399.D

Acq: 02 Aug 2018 13:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD00590

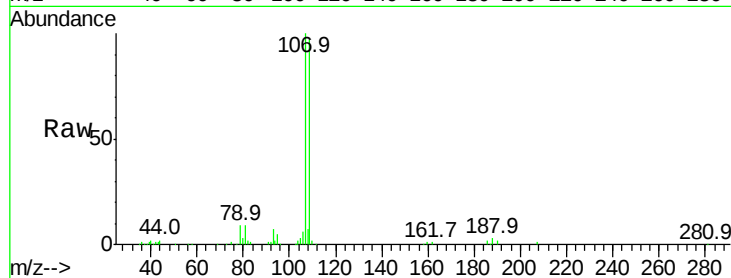
Tgt Ion:107 Resp: 58952

Ion Ratio Lower Upper

107 100

109 96.9 66.8 124.2

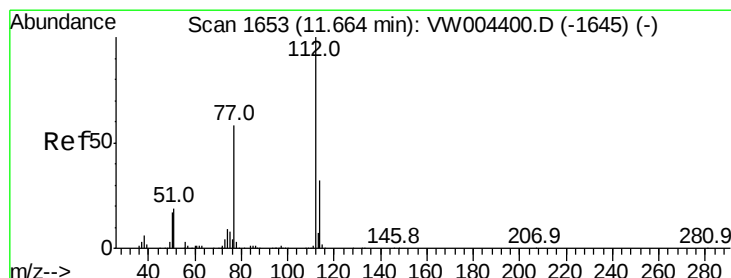
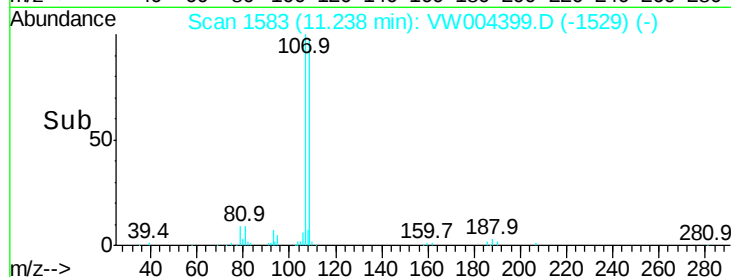
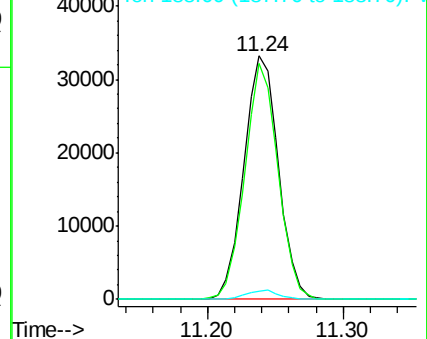
188 3.1 2.6 3.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 4.911 ug/L

RT: 11.66 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VW004399.D

Acq: 02 Aug 2018 13:17

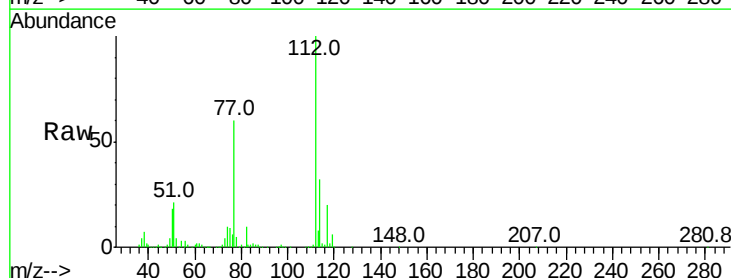
Tgt Ion:112 Resp: 213629

Ion Ratio Lower Upper

112 100

77 60.1 46.5 69.7

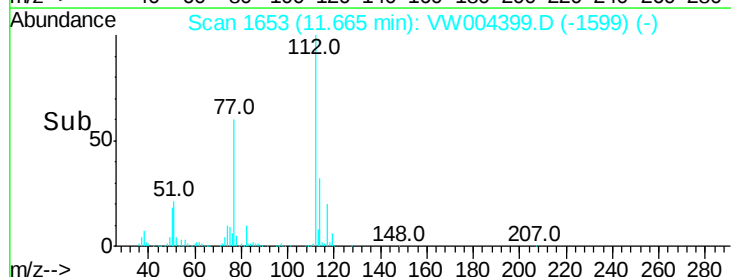
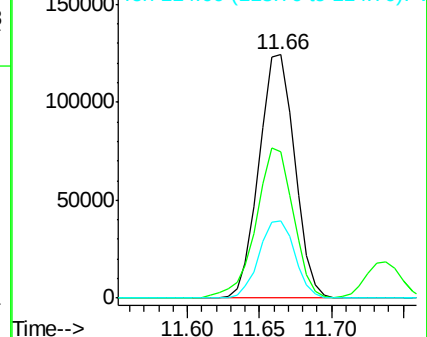
114 31.8 22.0 41.0

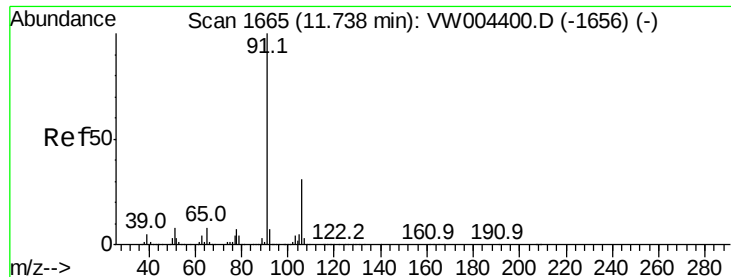


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 4.564 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW004399.D

Acq: 02 Aug 2018 13:17

Instrument :

MSVOA_W

ClientSampleId :

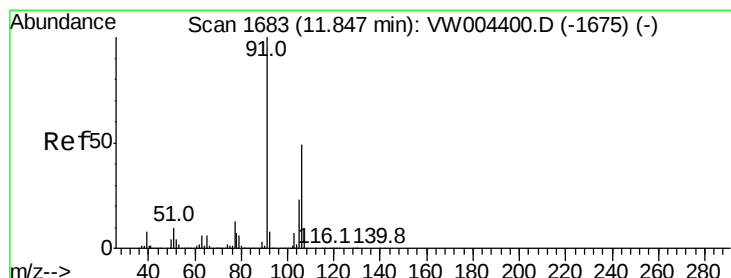
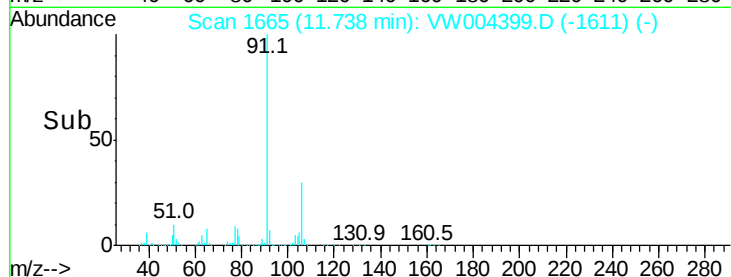
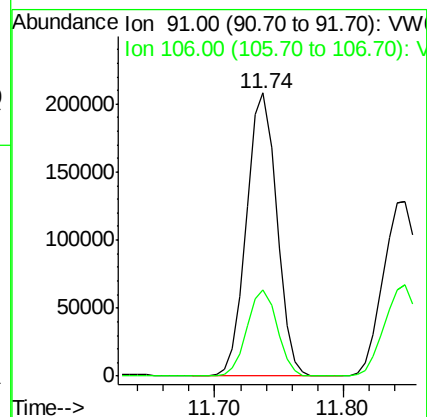
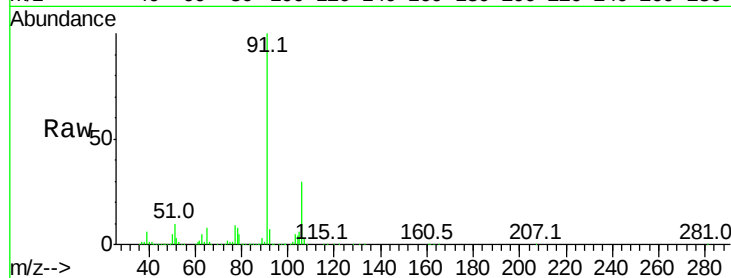
VSTD00590

Tgt Ion: 91 Resp: 337476

Ion Ratio Lower Upper

91 100

106 30.3 21.6 40.0



#54

m,p-Xylene

Concen: 4.494 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW004399.D

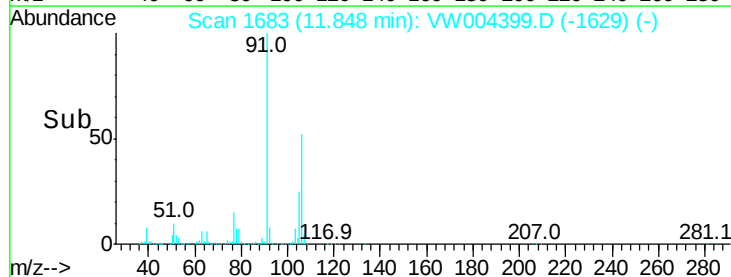
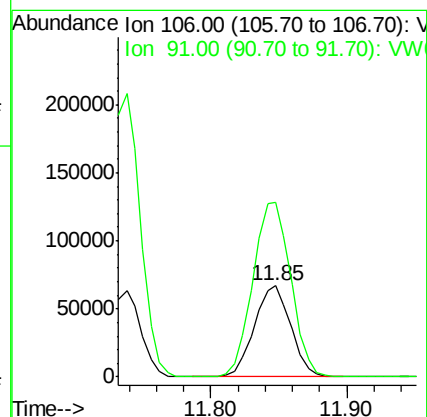
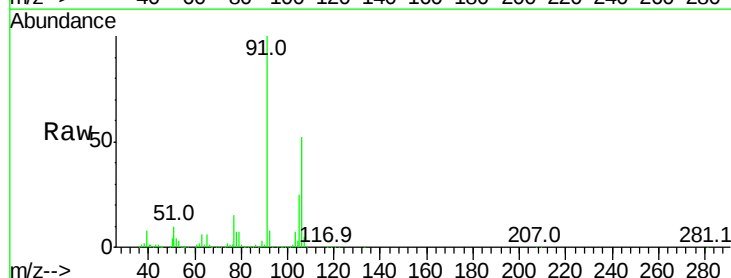
Acq: 02 Aug 2018 13:17

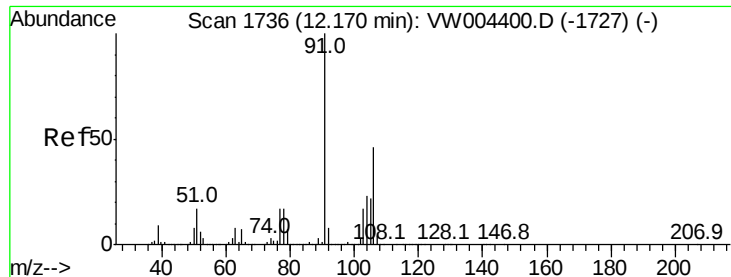
Tgt Ion: 106 Resp: 125678

Ion Ratio Lower Upper

106 100

91 191.8 143.0 265.6

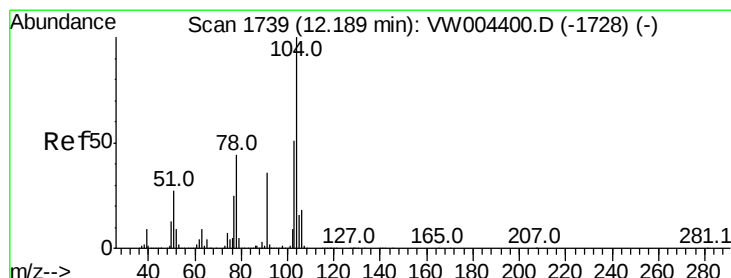
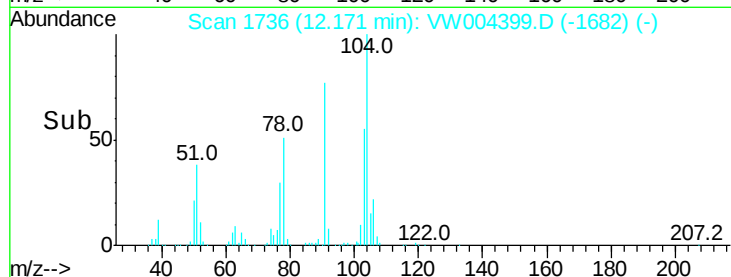
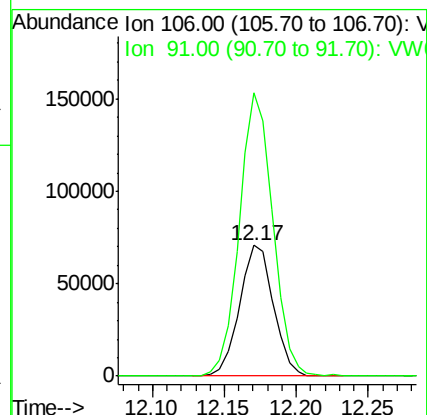
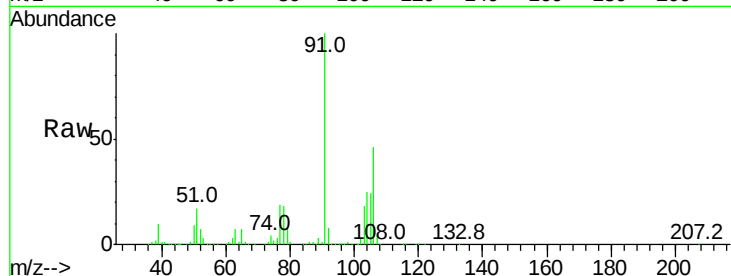




#55
o-xylene
Concen: 4.381 ug/L
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW004399.D
Acq: 02 Aug 2018 13:17

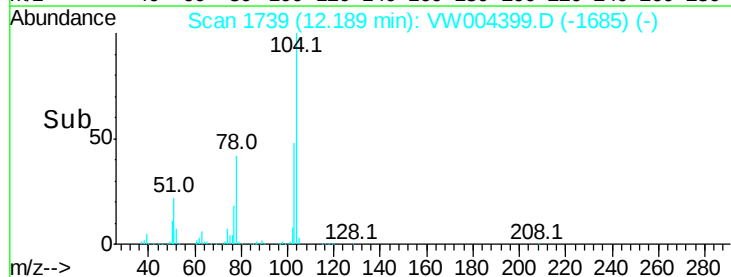
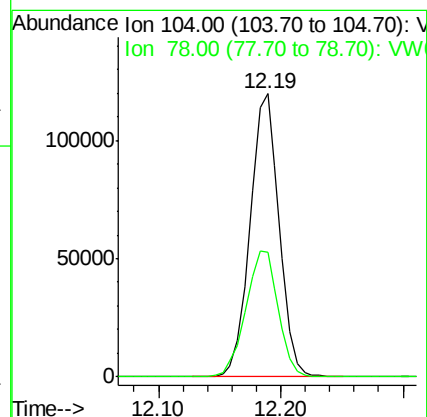
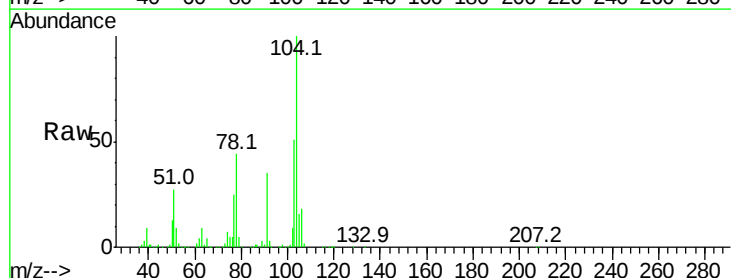
Instrument :
MSVOA_W
ClientSampleId :
VSTD00590

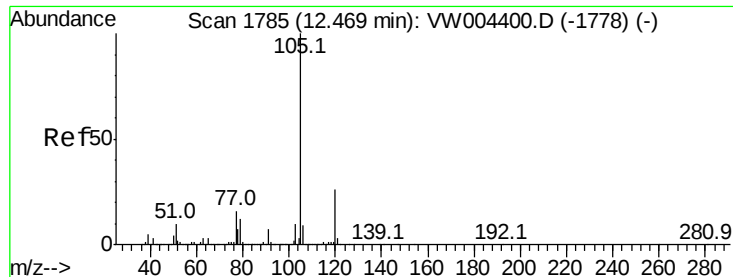
Tgt Ion:106 Resp: 115720
Ion Ratio Lower Upper
106 100
91 216.5 152.0 282.4



#56
Styrene
Concen: 4.333 ug/L
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW004399.D
Acq: 02 Aug 2018 13:17

Tgt Ion:104 Resp: 198140
Ion Ratio Lower Upper
104 100
78 44.0 30.8 57.2





#57

Isopropylbenzene

Concen: 4.216 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004399.D

Acq: 02 Aug 2018 13:17

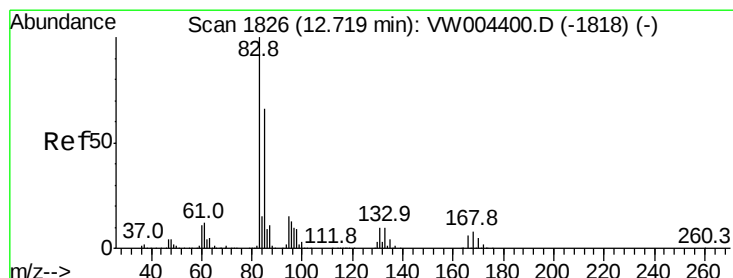
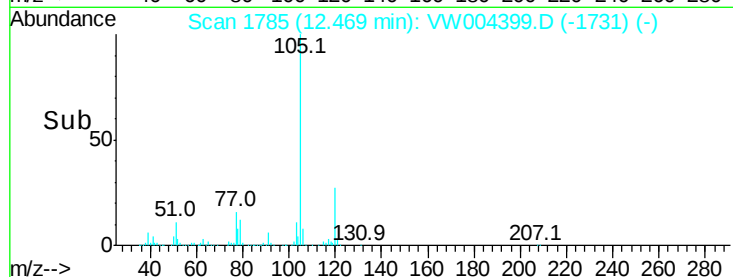
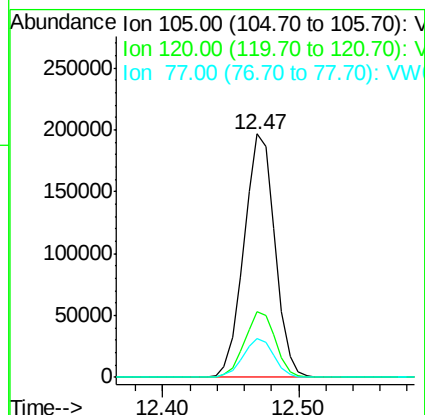
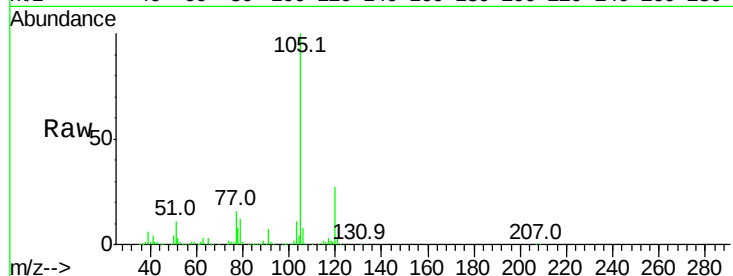
Instrument :

MSVOA_W

ClientSampled :

VSTD00590

Tgt Ion:	105	Resp:	312263
Ion	Ratio	Lower	Upper
105	100		
120	27.0	21.0	31.4
77	15.9	12.4	18.6



#58

1,1,2,2-Tetrachloroethane

Concen: 5.103 ug/L

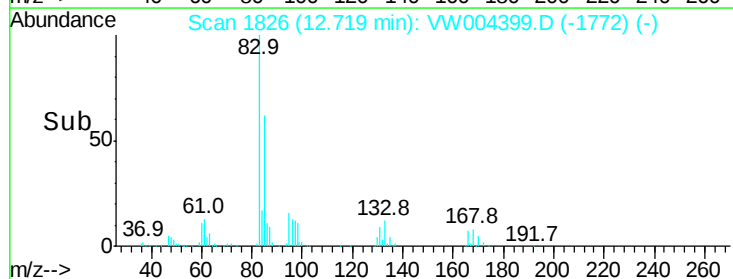
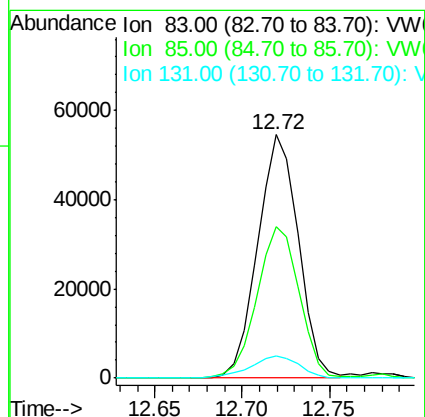
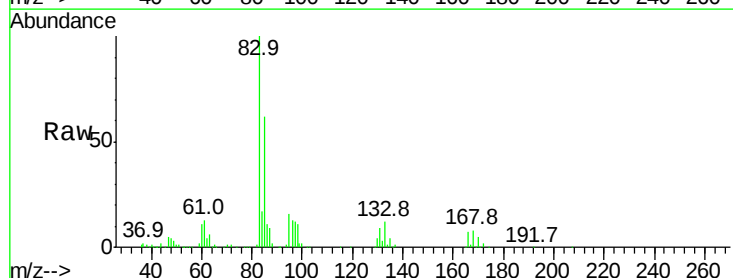
RT: 12.72 min Scan# 1826

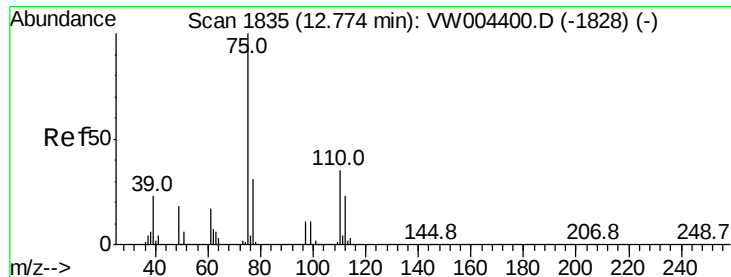
Delta R.T. 0.00 min

Lab File: VW004399.D

Acq: 02 Aug 2018 13:17

Tgt Ion:	83	Resp:	88079
Ion	Ratio	Lower	Upper
83	100		
85	62.3	46.1	85.5
131	9.1	8.1	12.1





#59

1,2,3-Trichloropropane

Concen: 4.895 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW004399.D

Acq: 02 Aug 2018 13:17

Instrument :

MSVOA_W

ClientSampleId :

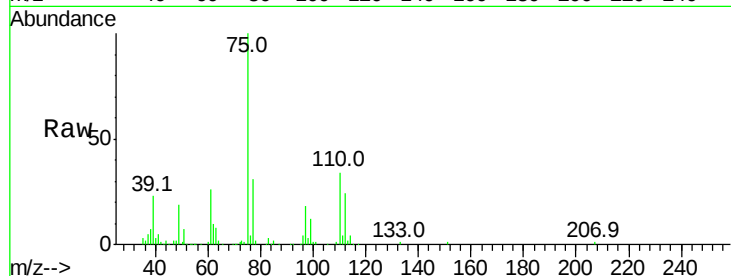
VSTD00590

Tgt Ion: 75 Resp: 65049

Ion Ratio Lower Upper

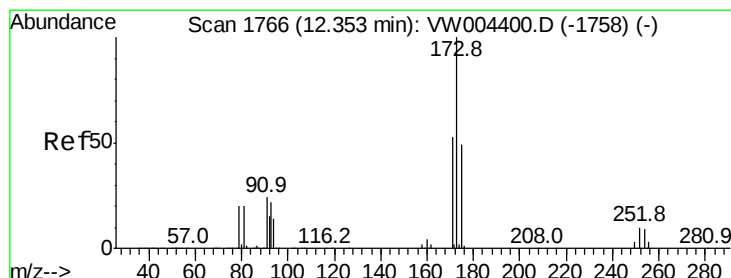
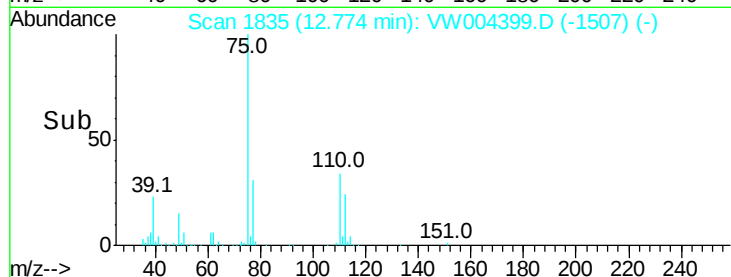
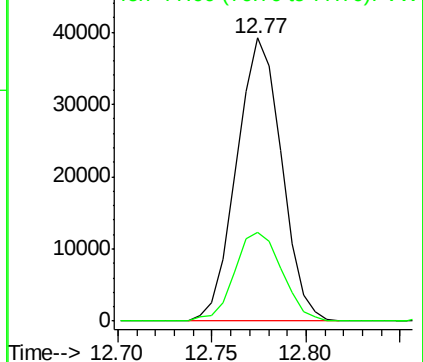
75 100

77 33.3 25.3 37.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#62

Bromoform

Concen: 4.579 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW004399.D

Acq: 02 Aug 2018 13:17

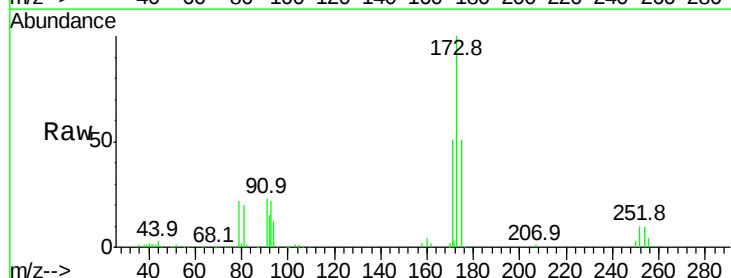
Tgt Ion: 173 Resp: 43429

Ion Ratio Lower Upper

173 100

175 49.6 39.0 58.4

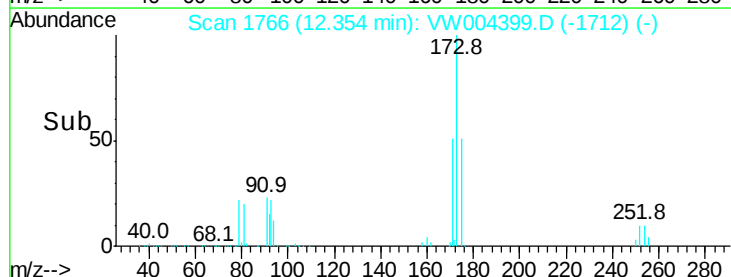
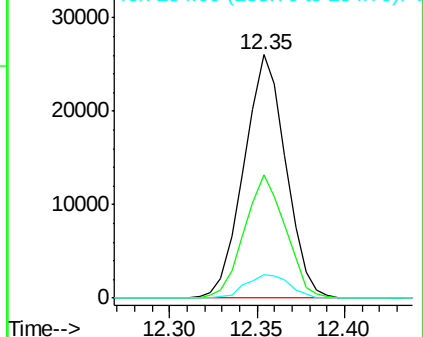
254 10.2 8.1 12.1

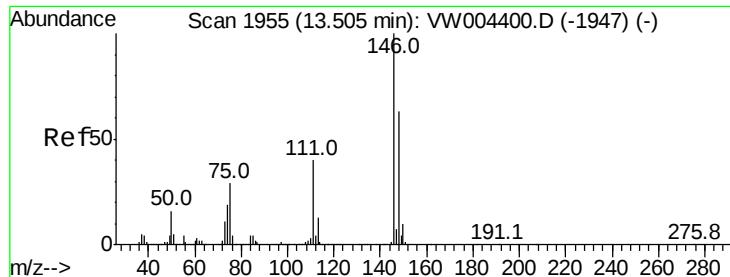


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V





#63

1,3-Dichlorobenzene

Concen: 4.697 ug/L

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW004399.D

Acq: 02 Aug 2018 13:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD00590

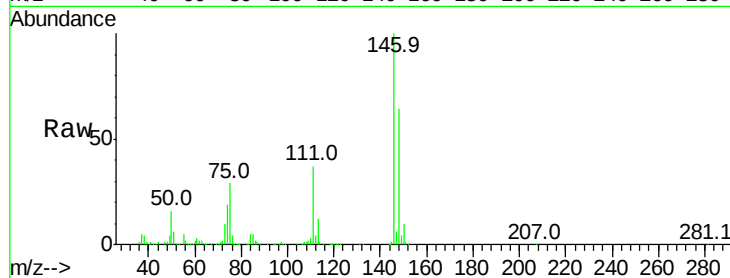
Tgt Ion:146 Resp: 154021

Ion Ratio Lower Upper

146 100

111 37.0 27.7 51.5

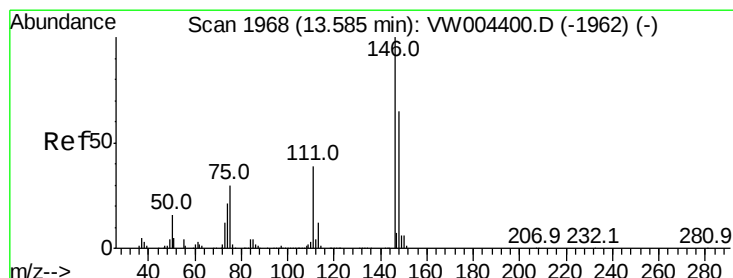
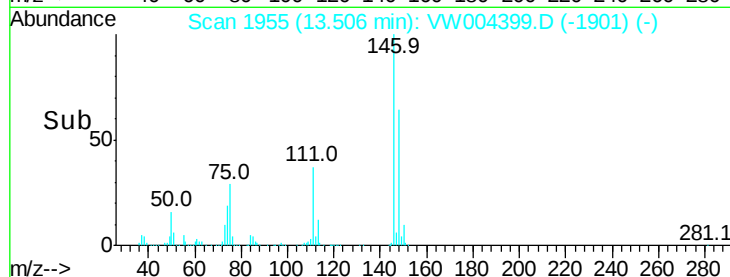
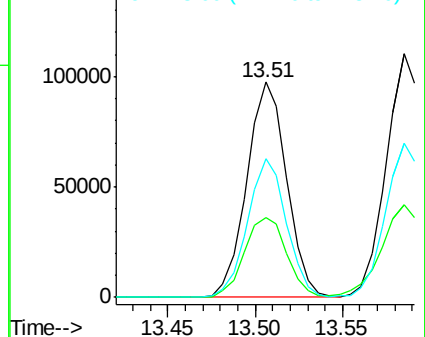
148 64.3 43.8 81.4



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



#64

1,4-Dichlorobenzene

Concen: 5.041 ug/L

RT: 13.59 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VW004399.D

Acq: 02 Aug 2018 13:17

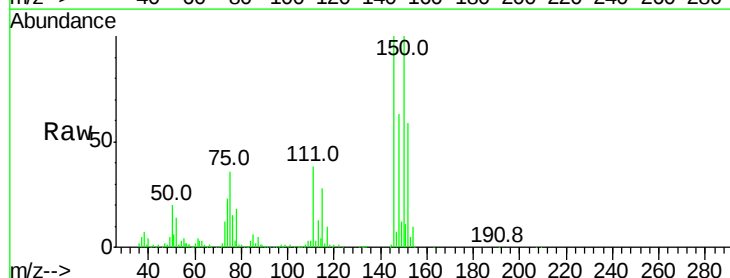
Tgt Ion:146 Resp: 170057

Ion Ratio Lower Upper

146 100

111 38.2 27.7 51.5

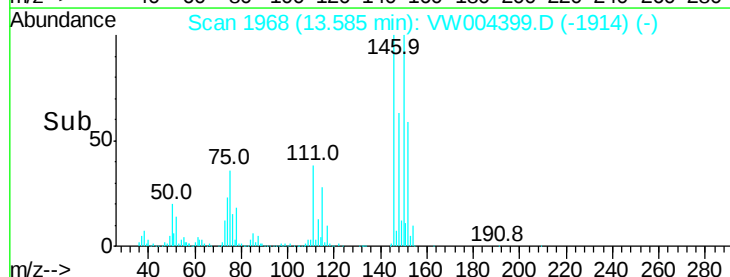
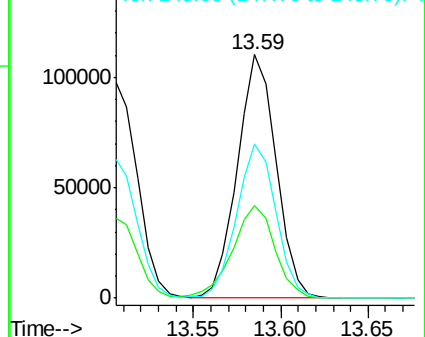
148 63.2 45.5 84.5

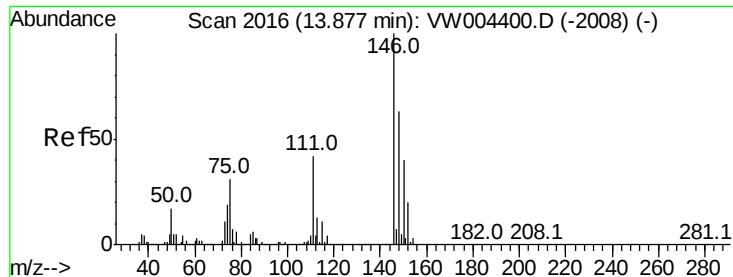


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

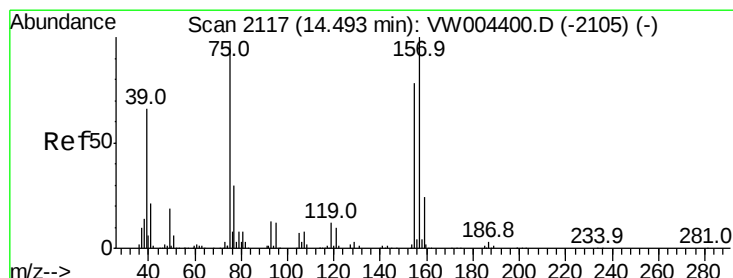
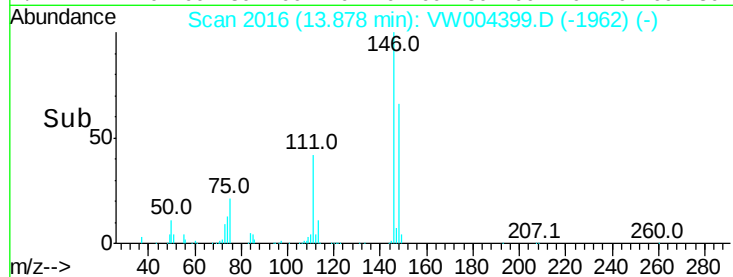
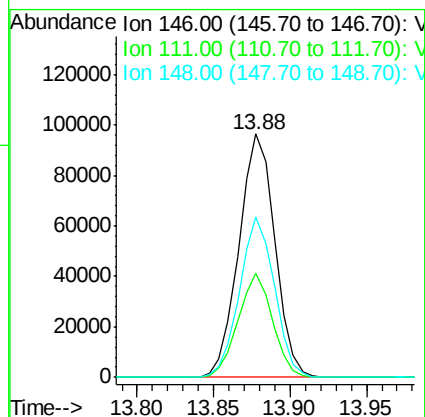
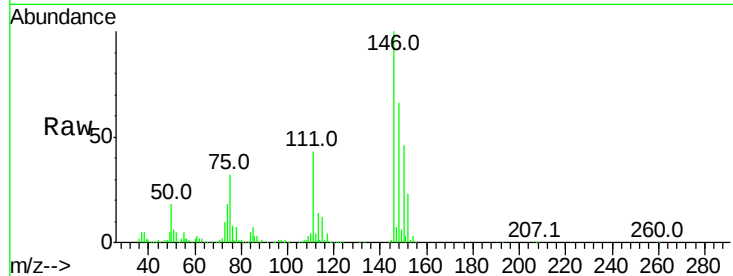




#65
 1,2-Dichlorobenzene
 Concen: 5.069 ug/L
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW004399.D
 Acq: 02 Aug 2018 13:17

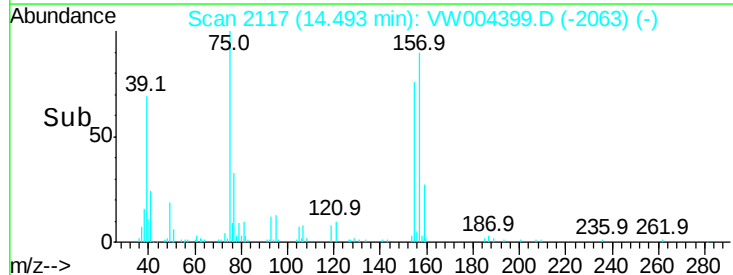
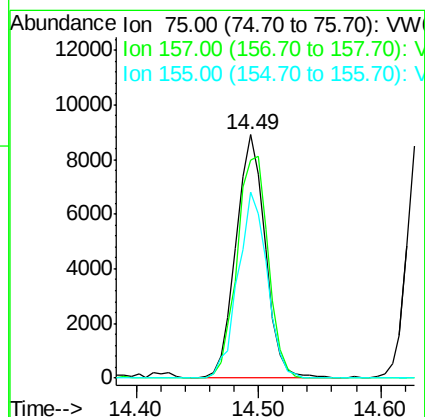
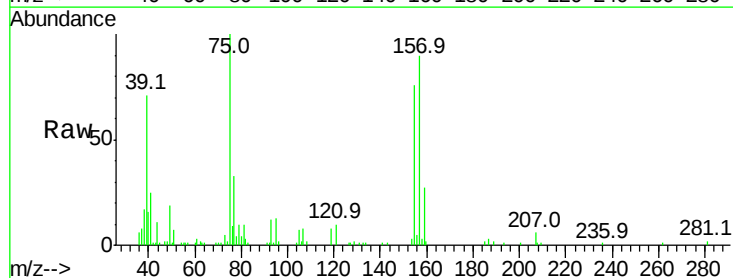
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00590

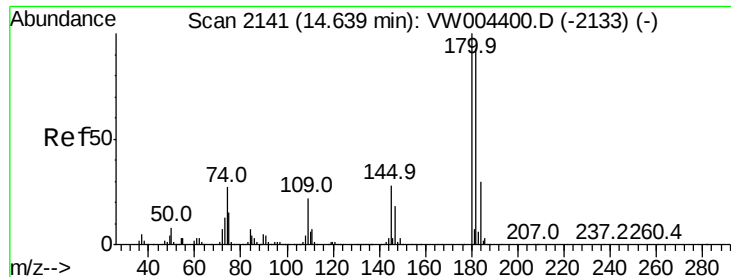
Tgt Ion:146 Resp: 157145
 Ion Ratio Lower Upper
 146 100
 111 42.8 33.4 50.2
 148 66.1 50.8 76.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.816 ug/L
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW004399.D
 Acq: 02 Aug 2018 13:17

Tgt Ion: 75 Resp: 14711
 Ion Ratio Lower Upper
 75 100
 157 89.7 81.4 122.0
 155 76.5 63.0 94.6

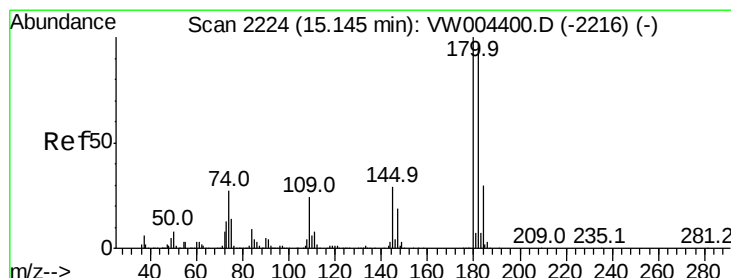
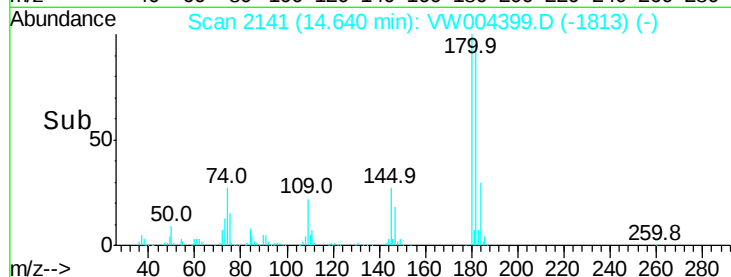
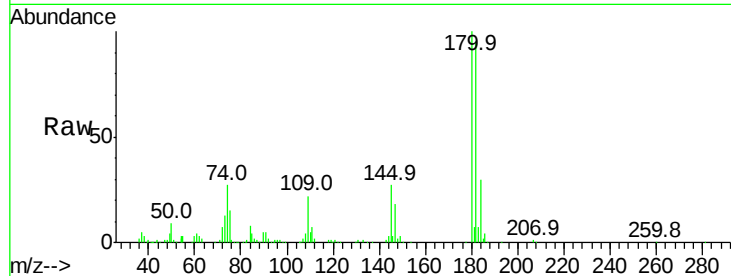




#67
 1,3,5-Trichlorobenzene
 Concen: 4.763 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VW004399.D
 Acq: 02 Aug 2018 13:17

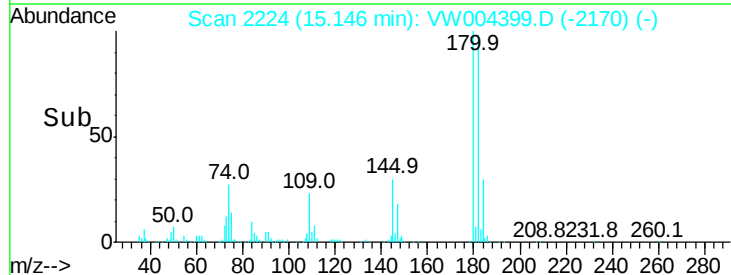
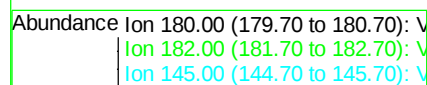
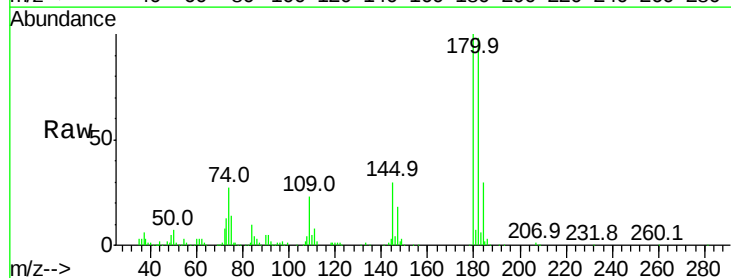
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00590

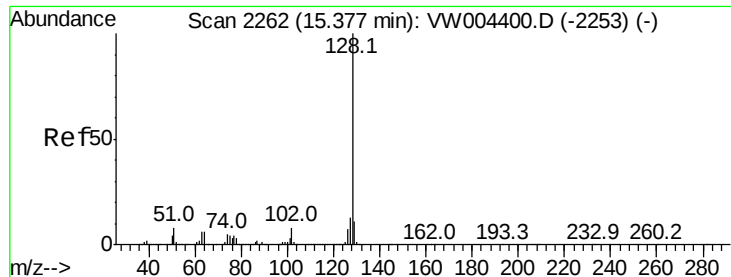
Tgt Ion:180 Resp: 123831
 Ion Ratio Lower Upper
 180 100
 182 94.6 75.1 112.7
 184 29.6 24.0 36.0
 145 28.2 23.0 34.6



#68
 1,2,4-trichlorobenzene
 Concen: 4.258 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW004399.D
 Acq: 02 Aug 2018 13:17

Tgt Ion:180 Resp: 94016
 Ion Ratio Lower Upper
 180 100
 182 96.5 76.9 115.3
 145 29.9 23.4 35.2





#69

Naphthalene

Concen: 3.615 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004399.D

Acq: 02 Aug 2018 13:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD00590

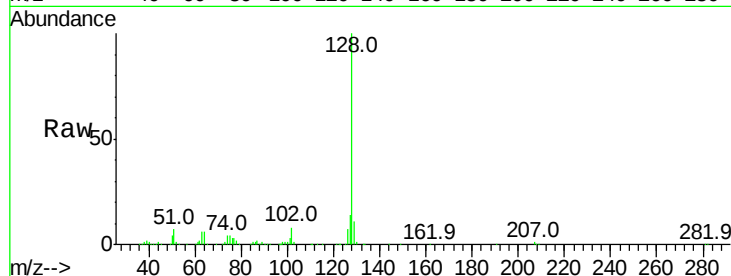
Tgt Ion:128 Resp: 180375

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

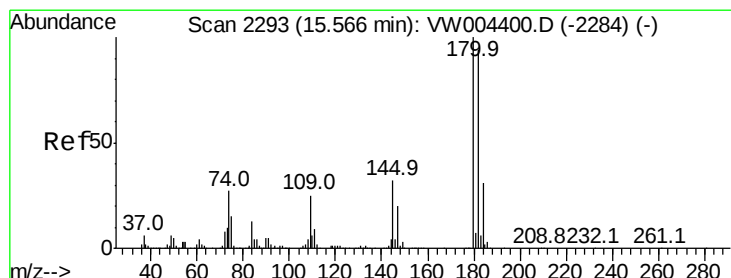
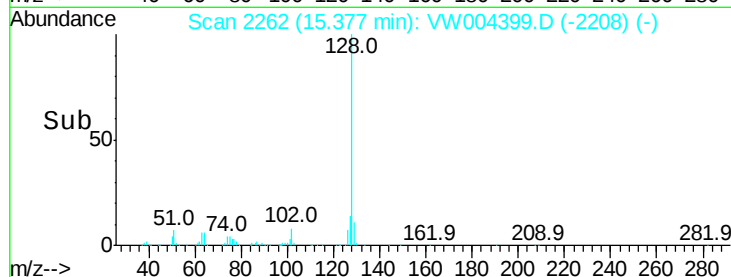
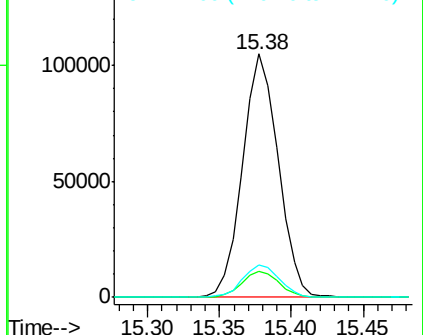
127 13.8 10.6 16.0



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: 4.545 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VW004399.D

Acq: 02 Aug 2018 13:17

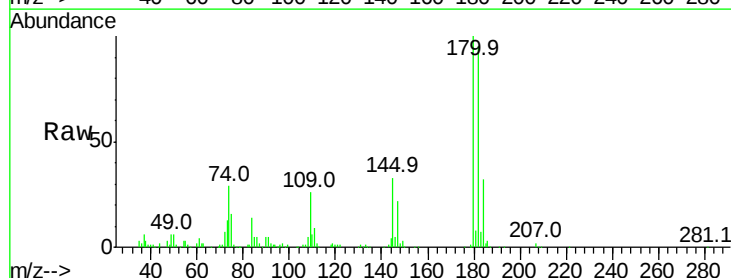
Tgt Ion:180 Resp: 92846

Ion Ratio Lower Upper

180 100

182 94.5 76.0 114.0

145 31.8 25.2 37.8



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

