

Data File : VW005410.D
Acq On : 15 Sep 2018 03:55
Operator : SY/AP
Sample : VW0914SBSD01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0916SBSD01

Quant Time: Sep 15 04:44:58 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091618S.M
Quant Title : SW846 8260
QLast Update : Sat Sep 15 02:32:34 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	233336	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	352070	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	338235	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	172093	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	117451	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	
35) Dibromofluoromethane	7.89	113	93343	47.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.58%	
50) Toluene-d8	10.33	98	433363	47.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.88%	
62) 4-Bromofluorobenzene	12.63	95	156941	47.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.70%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	49780	22.772	ug/l	99
3) Chloromethane	2.21	50	58492	21.237	ug/l	100
4) Vinyl Chloride	2.36	62	54991	21.314	ug/l	99
5) Bromomethane	2.76	94	38152	21.054	ug/l	98
6) Chloroethane	2.92	64	32030	20.946	ug/l	100
7) Trichlorofluoromethane	3.26	101	71386	20.884	ug/l	100
8) Diethyl Ether	3.69	74	22476	22.125	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.07	101	42143	21.141	ug/l	100
10) Methyl Iodide	4.28	142	50906	22.503	ug/l	98
11) Tert butyl alcohol	5.17	59	19665	125.081	ug/l	95
12) 1,1-Dichloroethene	4.04	96	37965	21.030	ug/l	92
13) Acrolein	3.90	56	13154	123.955	ug/l	97
14) Allyl chloride	4.68	41	71016	21.140	ug/l	98
15) Acrylonitrile	5.38	53	48925	105.294	ug/l	100
16) Acetone	4.13	43	39917	104.088	ug/l	95
17) Carbon Disulfide	4.38	76	130769	20.563	ug/l	98
18) Methyl Acetate	4.68	43	23440	20.140	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	106984	21.825	ug/l	95
20) Methylene Chloride	4.92	84	58273	20.911	ug/l	98
21) trans-1,2-Dichloroethene	5.43	96	46555	21.594	ug/l	94
22) Diisopropyl ether	6.32	45	142519	21.582	ug/l	99
23) Vinyl Acetate	6.26	43	404306	107.447	ug/l	98
24) 1,1-Dichloroethane	6.23	63	85542	21.347	ug/l	99
25) 2-Butanone	7.18	43	62182	106.726	ug/l	97
26) 2,2-Dichloropropane	7.18	77	74098	20.614	ug/l	98
27) cis-1,2-Dichloroethene	7.18	96	50234	21.420	ug/l	99
28) Bromochloromethane	7.52	49	30388	19.497	ug/l	99
29) Tetrahydrofuran	7.54	42	39745	107.080	ug/l	99
30) Chloroform	7.68	83	86669	20.886	ug/l	98
31) Cyclohexane	7.96	56	81541	21.093	ug/l	# 95
32) 1,1,1-Trichloroethane	7.88	97	82759	21.448	ug/l	99
36) 1,1-Dichloropropene	8.09	75	70176	21.062	ug/l	99
37) Ethyl Acetate	7.26	43	28499	21.033	ug/l	97
38) Carbon Tetrachloride	8.08	117	72079	20.760	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	79292	20.480	ug/l	97
40) Benzene	8.33	78	199421	20.661	ug/l	99
41) Methacrylonitrile	7.49	41	18253	22.328	ug/l	98
42) 1,2-Dichloroethane	8.41	62	62907	20.823	ug/l	99
43) Isopropyl Acetate	8.43	43	53966	20.408	ug/l	98
44) Trichloroethene	9.10	130	52106	20.974	ug/l	100
45) 1,2-Dichloropropane	9.37	63	47777	20.718	ug/l	96
46) Dibromomethane	9.46	93	23645	20.844	ug/l	98
47) Bromodichloromethane	9.65	83	65314	21.251	ug/l	99
48) Methyl methacrylate	9.45	41	26605	20.160	ug/l	95
49) 1,4-Dioxane	9.46	88	8092	427.986	ug/l #	97
51) 4-Methyl-2-Pentanone	10.22	43	136507	100.278	ug/l	99
52) Toluene	10.40	92	136248	20.845	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	62420	20.293	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	72419	20.794	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	33791	20.042	ug/l	99
56) Ethyl methacrylate	10.65	69	43528	20.397	ug/l	97
57) 1,3-Dichloropropane	10.94	76	60057	20.636	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	99897	103.498	ug/l	99
59) 2-Hexanone	10.98	43	92559	99.819	ug/l	99
60) Dibromochloromethane	11.13	129	41633	20.523	ug/l	98
61) 1,2-Dibromoethane	11.24	107	30410	20.111	ug/l	97
64) Tetrachloroethene	10.87	164	52642	21.059	ug/l	96
65) Chlorobenzene	11.66	112	146631	20.427	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	47292	20.612	ug/l	98
67) Ethyl Benzene	11.74	91	262161	20.767	ug/l	100
68) m/p-Xylenes	11.85	106	203523	41.890	ug/l	99
69) o-Xylene	12.18	106	95060	21.011	ug/l	98
70) Styrene	12.19	104	155798	20.866	ug/l	100
71) Bromoform	12.35	173	24578	20.250	ug/l #	99
73) Isopropylbenzene	12.47	105	260337	21.562	ug/l	100
74) N-amyl acetate	12.28	43	51137	20.100	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	36361	20.644	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	52585	37.151	ug/l #	100
77) Bromobenzene	12.76	156	59796	20.948	ug/l	99
78) n-propylbenzene	12.81	91	312365	21.437	ug/l	100
79) 2-Chlorotoluene	12.90	91	183647	21.363	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	226273	21.479	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	11138	20.413	ug/l	97
82) 4-Chlorotoluene	12.99	91	192025	21.159	ug/l	100
83) tert-Butylbenzene	13.21	119	194277	22.203	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	227958	21.313	ug/l	98
85) sec-Butylbenzene	13.39	105	270090	21.363	ug/l	100
86) p-Isopropyltoluene	13.51	119	238913	21.130	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	120588	20.830	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	116830	20.493	ug/l	97
89) n-Butylbenzene	13.83	91	215929	20.509	ug/l	100
90) Hexachloroethane	14.10	117	40281	20.792	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	103015	20.362	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6937	20.507	ug/l	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091618\
Quantitation Report (Not Reviewed)

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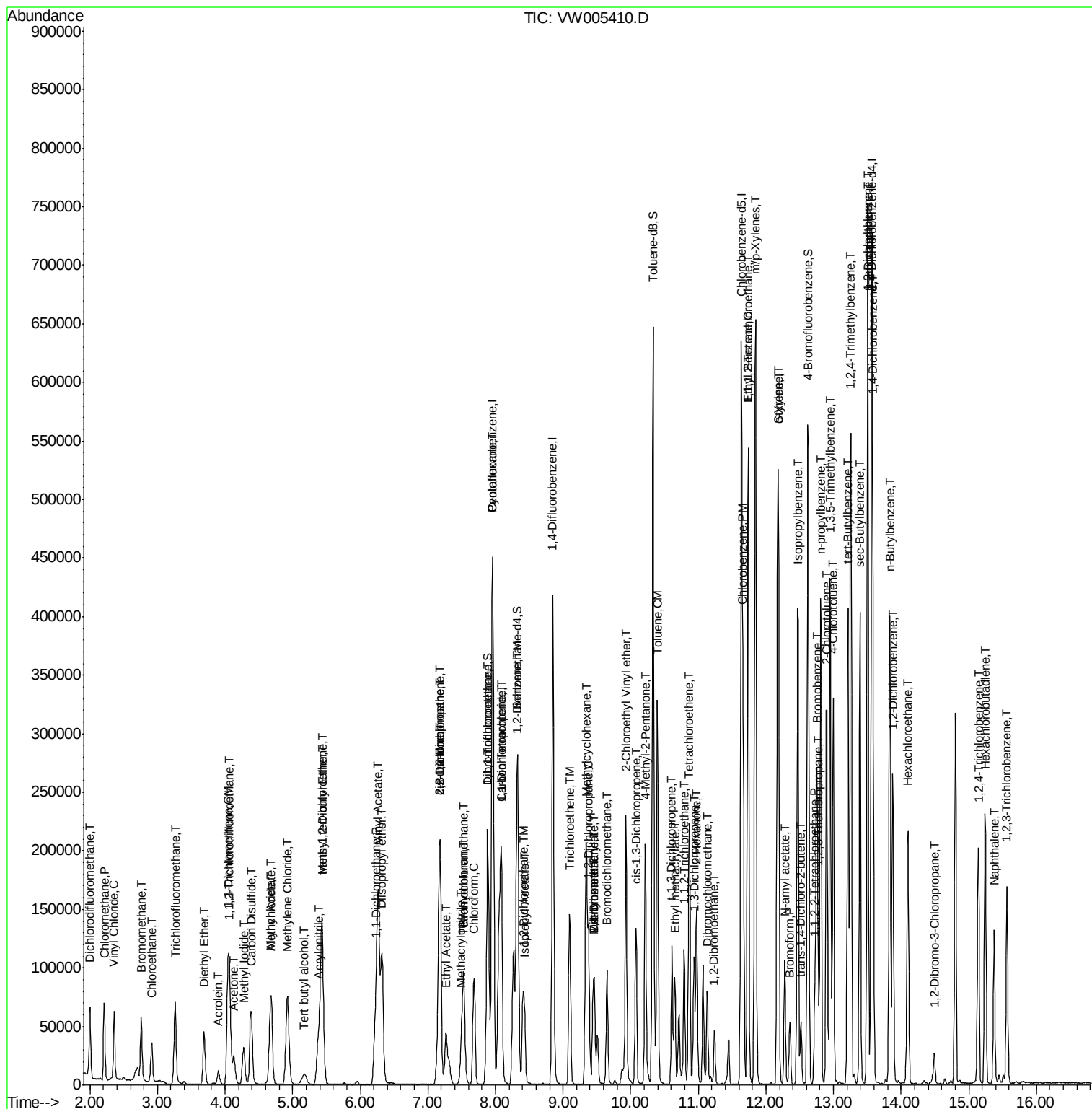
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	68338	20.244	ug/l	100
94) Hexachlorobutadiene	15.25	225	46315	21.010	ug/l	98
95) Naphthalene	15.38	128	110056	19.565	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	59461	20.183	ug/l	99

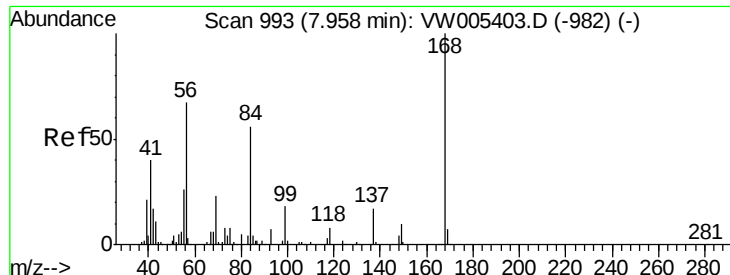
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW005410.D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW005410.D

Acq: 15 Sep 2018 03:55

Instrument :

MSVOA_W

ClientSampleId :

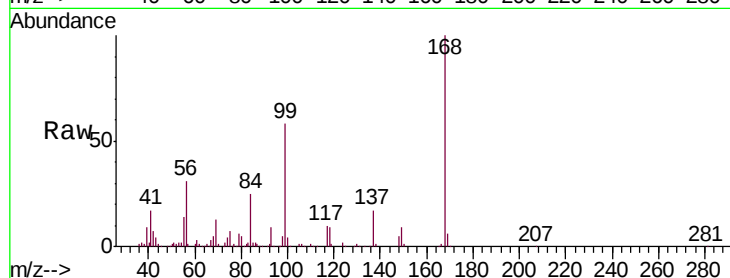
VW0916SBSD01

Tgt Ion:168 Resp: 233336

Ion Ratio Lower Upper

168 100

99 58.0 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.96

120000

100000

80000

60000

40000

20000

0

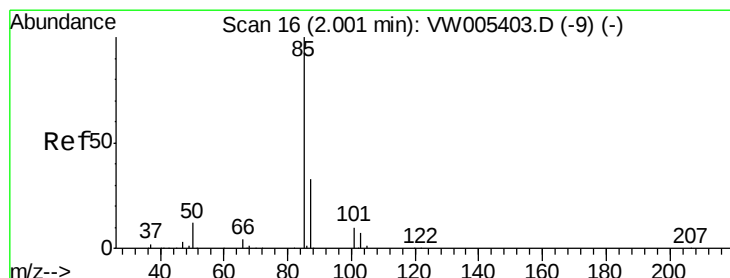
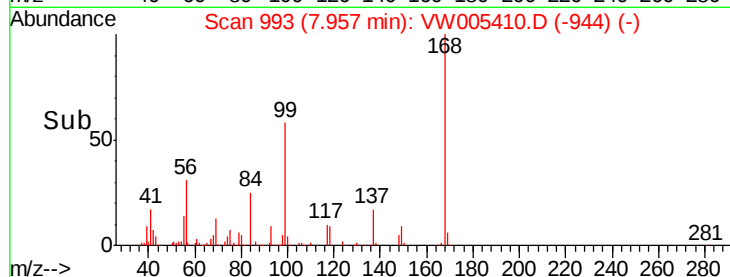
7.80

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 22.772 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW005410.D

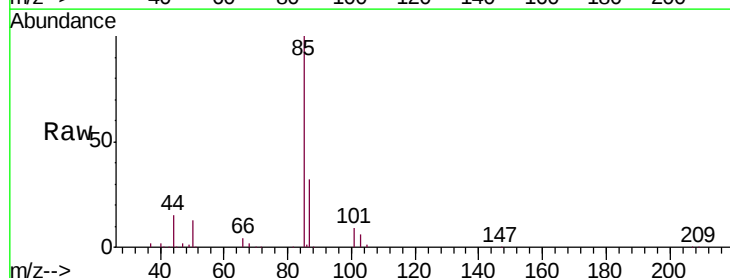
Acq: 15 Sep 2018 03:55

Tgt Ion: 85 Resp: 49780

Ion Ratio Lower Upper

85 100

87 32.3 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

40000

30000

20000

10000

0

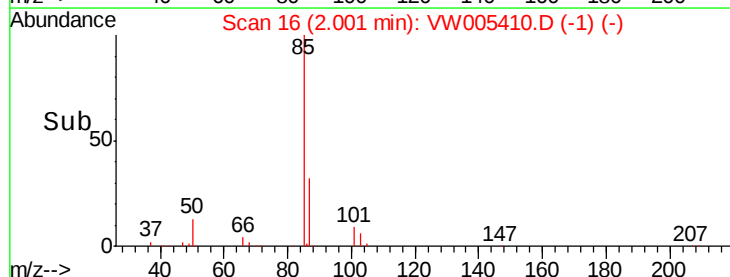
1.95

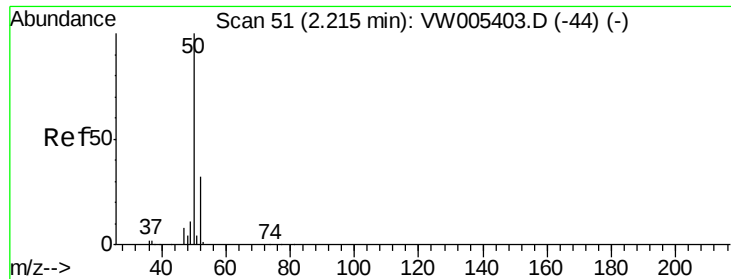
2.00

2.05

2.10

Time-->





#3

Chloromethane

Concen: 21.237 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW005410.D

Acq: 15 Sep 2018 03:55

Instrument :

MSVOA_W

ClientSampleId :

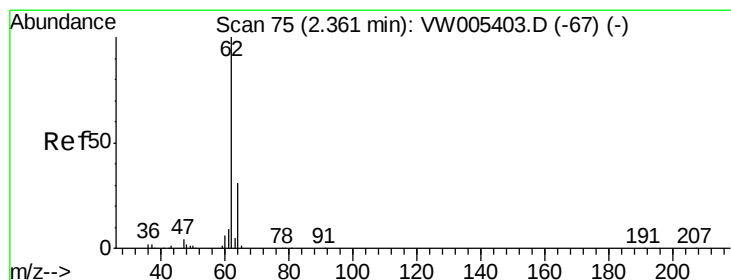
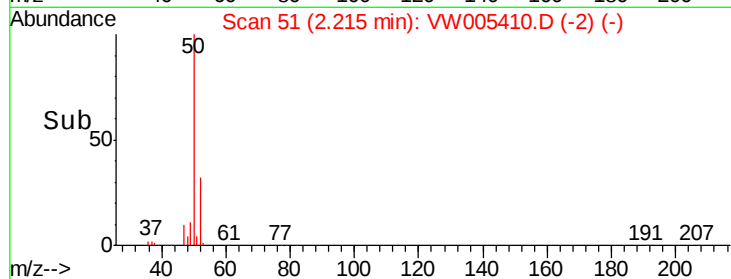
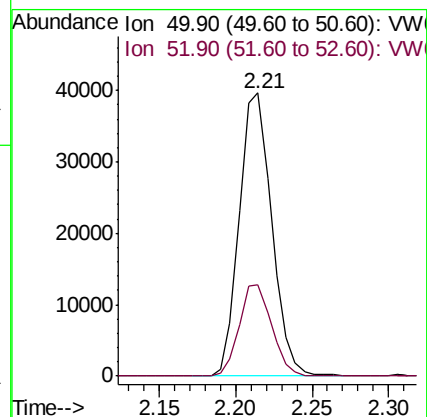
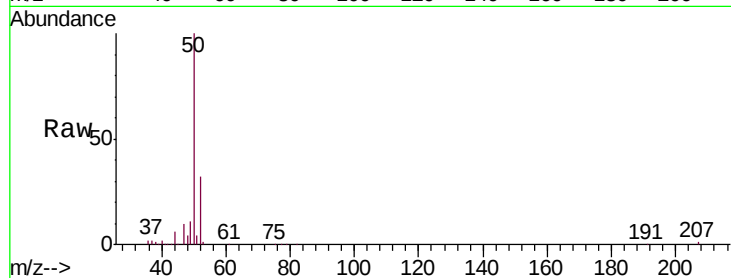
VW0916SBSD01

Tgt Ion: 50 Resp: 58492

Ion Ratio Lower Upper

50 100

52 32.3 25.8 38.6



#4

Vinyl Chloride

Concen: 21.314 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW005410.D

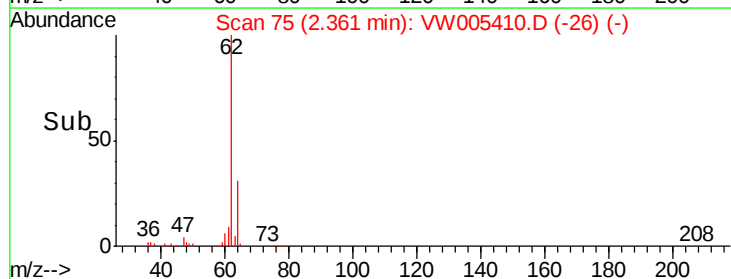
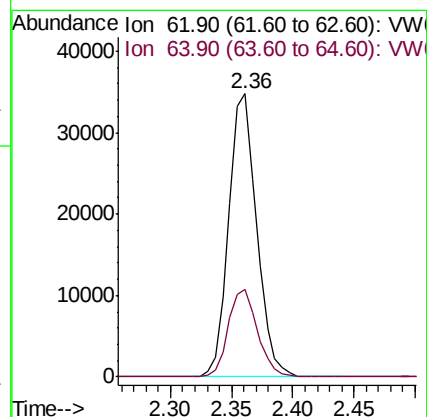
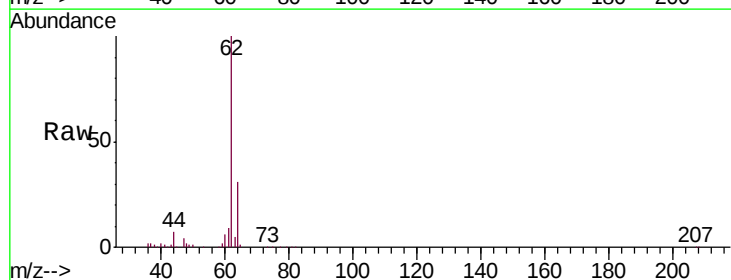
Acq: 15 Sep 2018 03:55

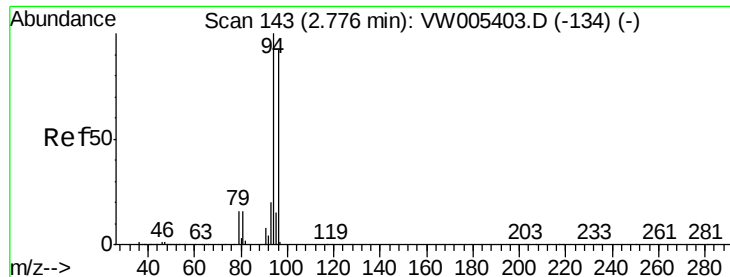
Tgt Ion: 62 Resp: 54991

Ion Ratio Lower Upper

62 100

64 31.0 24.5 36.7





#5

Bromomethane

Concen: 21.054 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW005410.D

Acq: 15 Sep 2018 03:55

Instrument :

MSVOA_W

ClientSampleId :

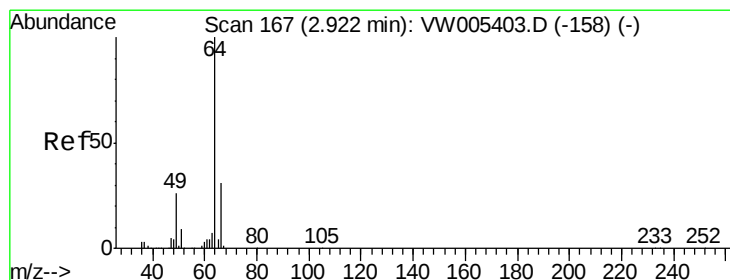
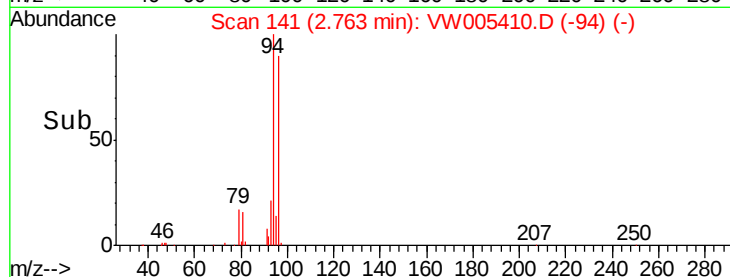
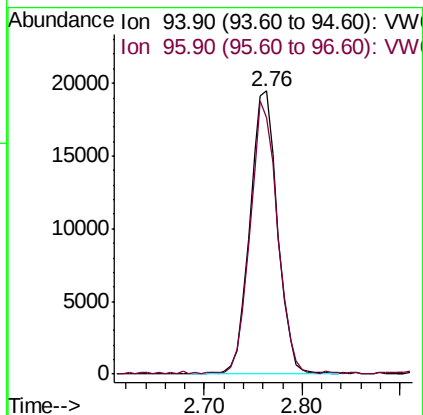
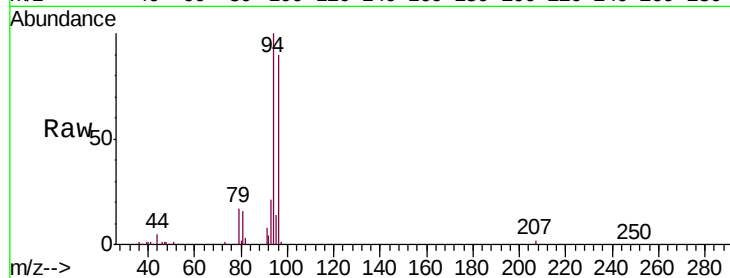
VW0916SBSD01

Tgt Ion: 94 Resp: 38152

Ion Ratio Lower Upper

94 100

96 90.1 73.7 110.5



#6

Chloroethane

Concen: 20.946 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW005410.D

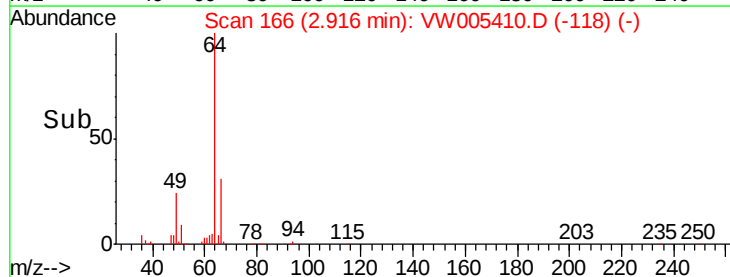
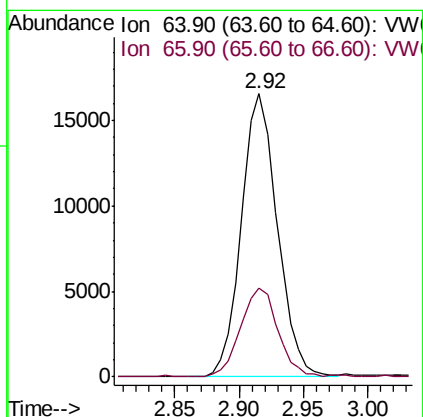
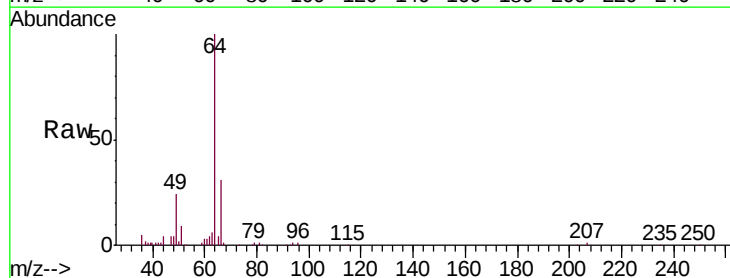
Acq: 15 Sep 2018 03:55

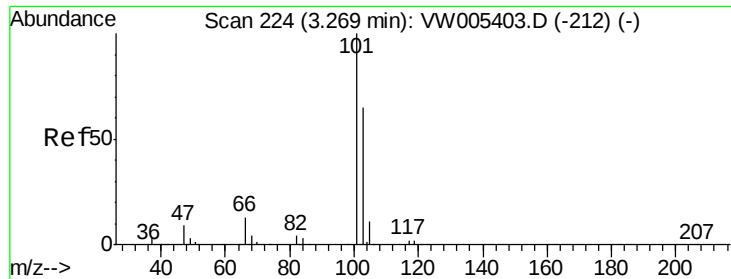
Tgt Ion: 64 Resp: 32030

Ion Ratio Lower Upper

64 100

66 31.3 25.2 37.8



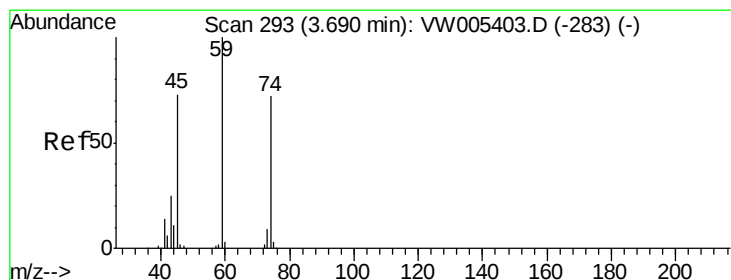
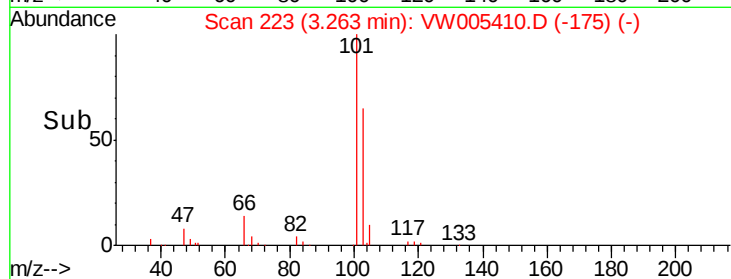
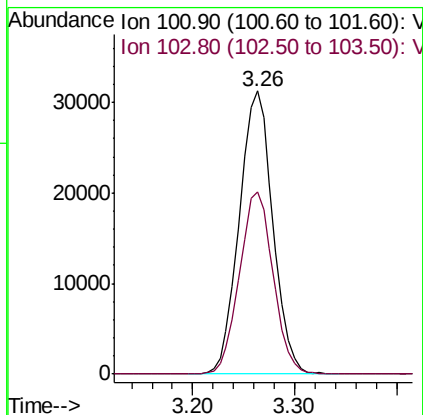
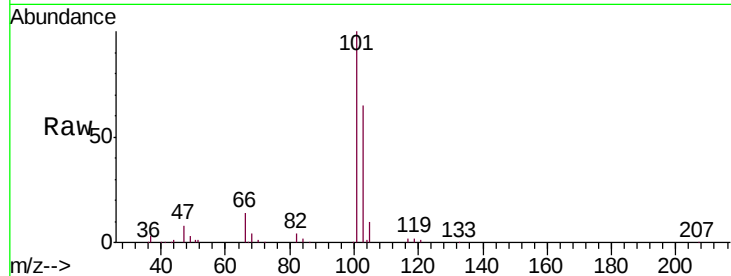


#7

Trichlorofluoromethane
 Concen: 20.884 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. -0.01 min
 Lab File: VW005410.D
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Instrument :
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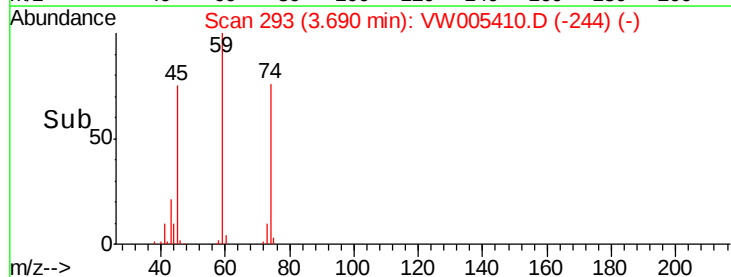
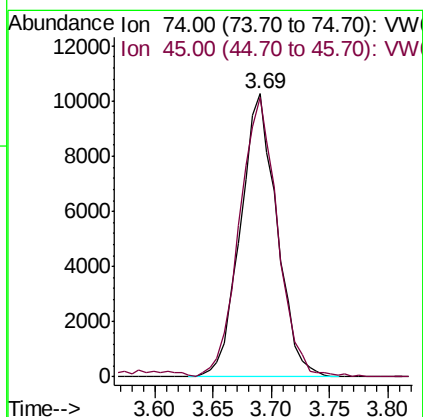
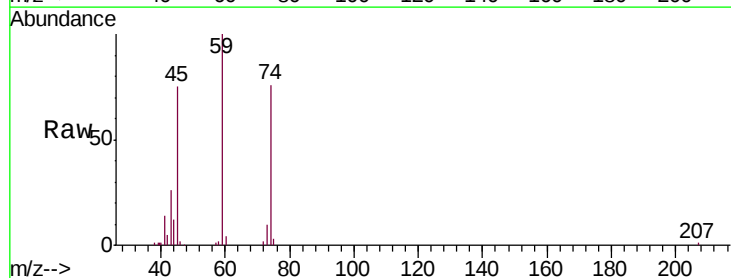
Tgt Ion:101 Resp: 71386
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.7 77.5

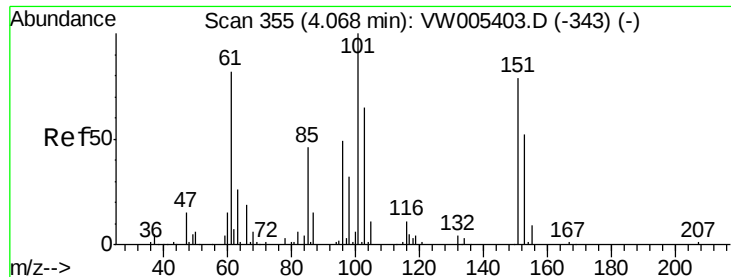


#8

Diethyl Ether
 Concen: 22.125 ug/l
 RT: 3.69 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VW005410.D
 Acq: 15 Sep 2018 03:55

Tgt Ion: 74 Resp: 22476
 Ion Ratio Lower Upper
 74 100
 45 103.2 53.1 159.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.141 ug/l

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW005410.D

Acq: 15 Sep 2018 03:55

Instrument :

MSVOA_W

ClientSampleId :

VW0916SBSD01

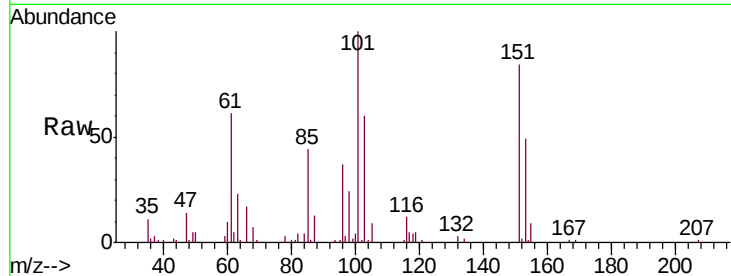
Tgt Ion:101 Resp: 42143

Ion Ratio Lower Upper

101 100

85 45.5 36.6 54.8

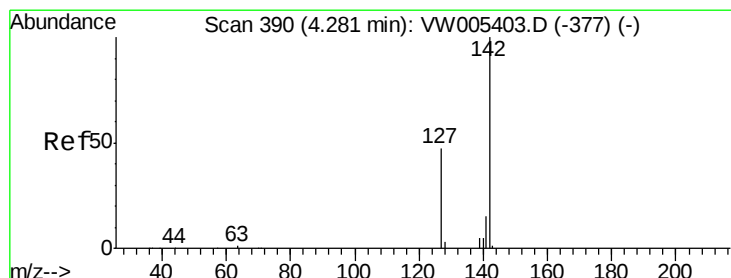
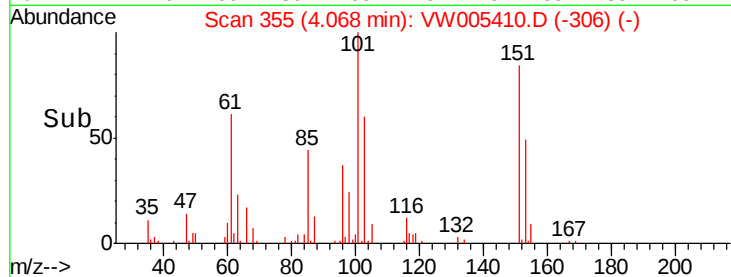
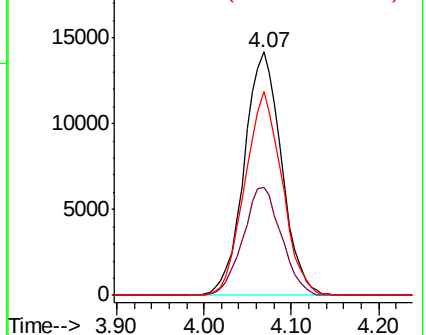
151 83.3 66.3 99.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 22.503 ug/l

RT: 4.28 min Scan# 389

Delta R.T. -0.01 min

Lab File: VW005410.D

Acq: 15 Sep 2018 03:55

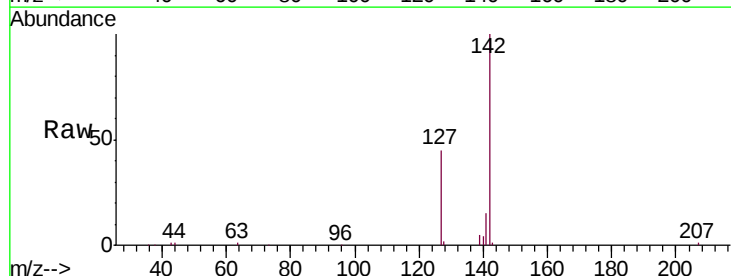
Tgt Ion:142 Resp: 50906

Ion Ratio Lower Upper

142 100

127 45.5 37.5 56.3

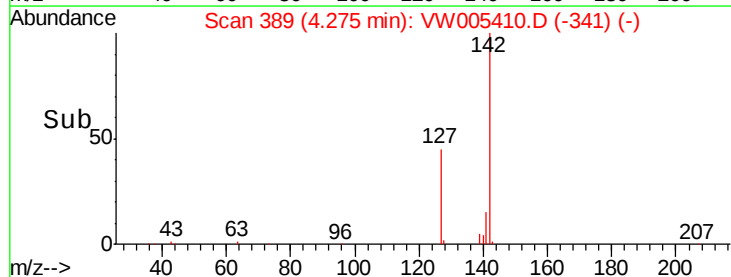
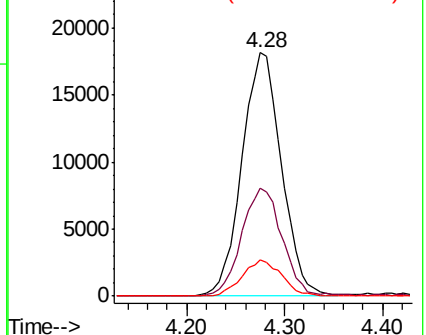
141 14.7 12.4 18.6

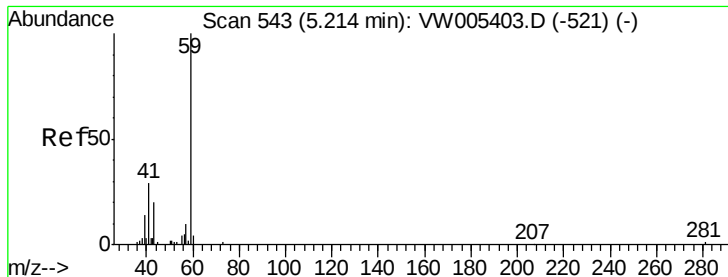


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



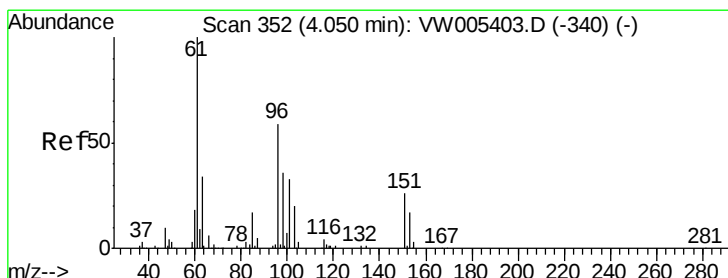
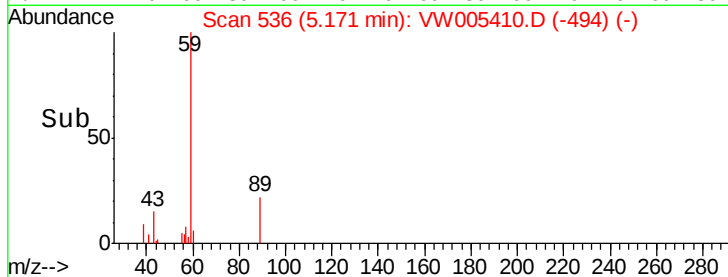
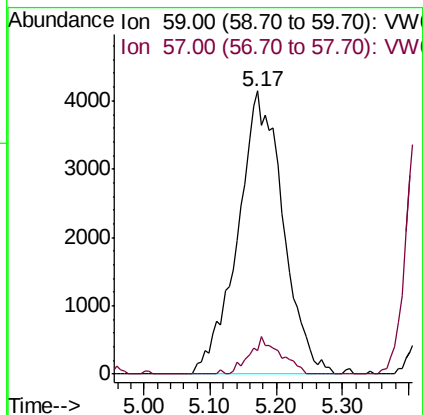
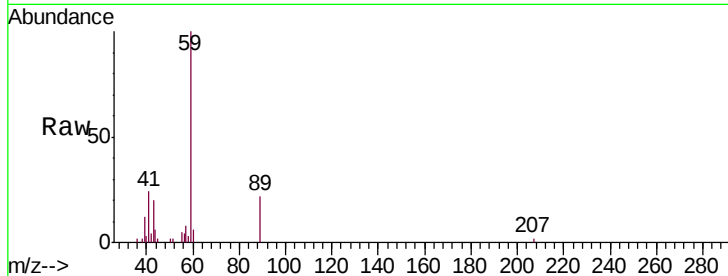


#11

Tert butyl alcohol
 Concen: 125.081 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. -0.04 min
 Lab File: VW005410.D
 Acq: 15 Sep 2018 03:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0916SBSD01

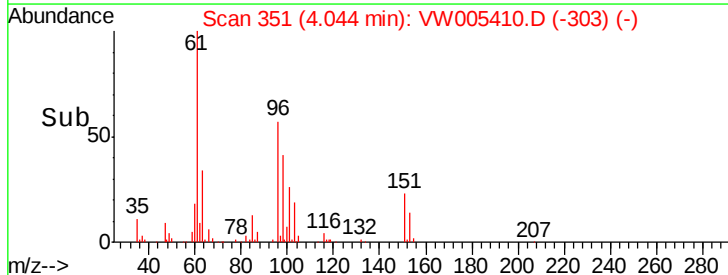
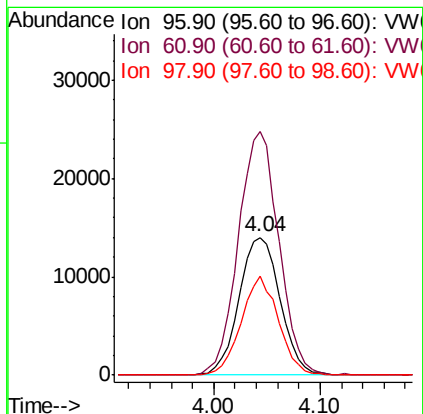
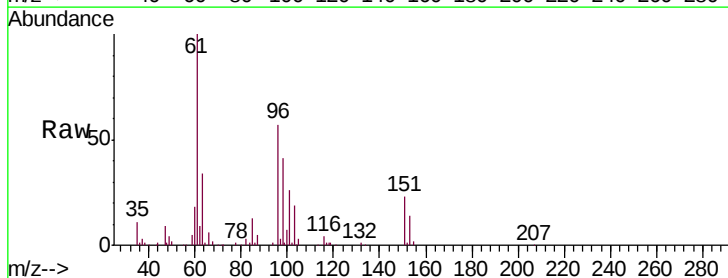
Tgt Ion: 59 Resp: 19665
 Ion Ratio Lower Upper
 59 100
 57 9.0 8.6 13.0

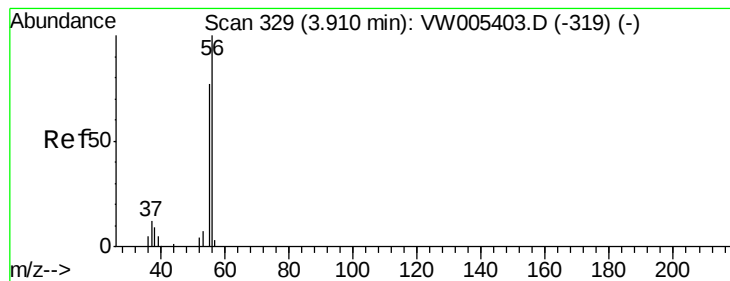


#12

1,1-Dichloroethene
 Concen: 21.030 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. -0.01 min
 Lab File: VW005410.D
 Acq: 15 Sep 2018 03:55

Tgt Ion: 96 Resp: 37965
 Ion Ratio Lower Upper
 96 100
 61 176.5 135.7 203.5
 98 72.1 48.6 73.0





#13

Acrolein

Concen: 123.955 ug/l

RT: 3.90 min Scan# 328

Delta R.T. -0.01 min

Lab File: VW005410.D

Acq: 15 Sep 2018 03:55

Instrument :

MSVOA_W

ClientSampleId :

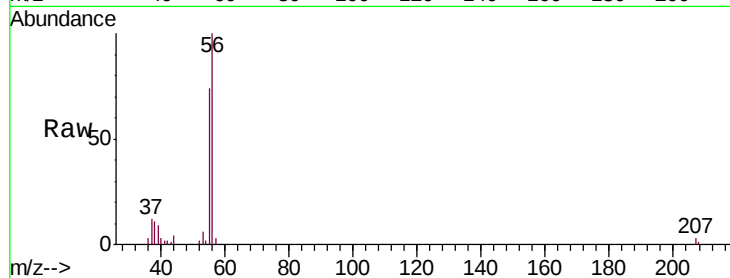
VW0916SBSD01

Tgt Ion: 56 Resp: 13154

Ion Ratio Lower Upper

56 100

55 72.2 59.8 89.8



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

6000

5000

4000

3000

2000

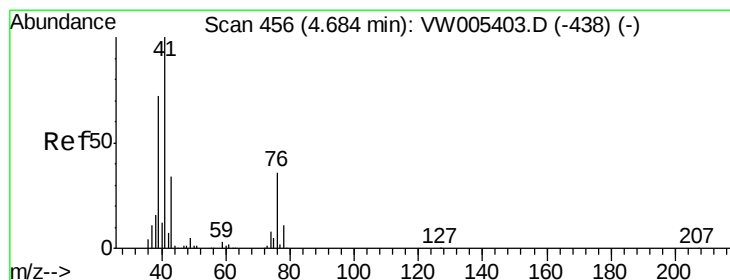
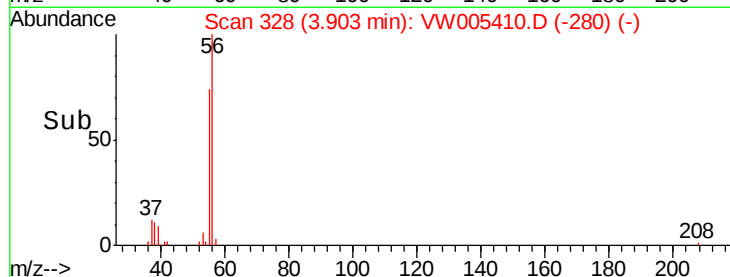
1000

0

Time-->

3.80 3.85 3.90 3.95 4.00

3.90



#14

Allyl chloride

Concen: 21.140 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.01 min

Lab File: VW005410.D

Acq: 15 Sep 2018 03:55

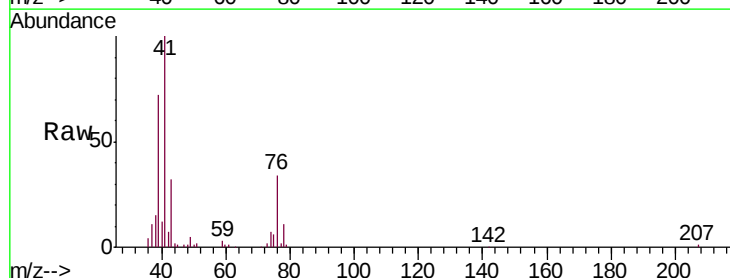
Tgt Ion: 41 Resp: 71016

Ion Ratio Lower Upper

41 100

39 71.6 58.6 88.0

76 33.4 27.4 41.0



Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW

30000

25000

20000

15000

10000

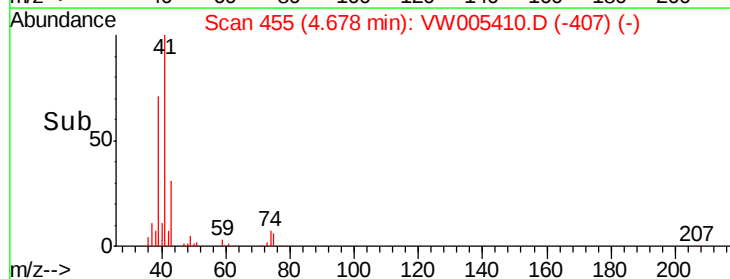
5000

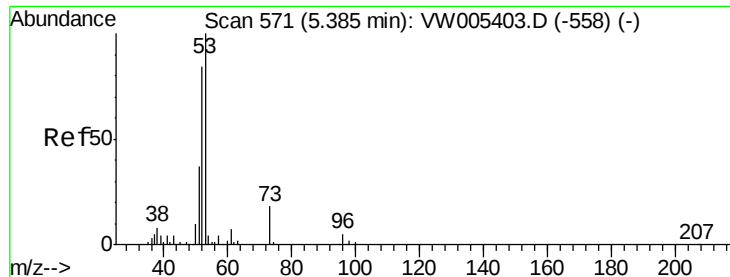
0

Time-->

4.50 4.60 4.70 4.80

4.68





#15

Acrylonitrile

Concen: 105.294 ug/l

RT: 5.38 min Scan# 571

Delta R.T. -0.00 min

Lab File: VW005410.D

Acq: 15 Sep 2018 03:55

Instrument :

MSVOA_W

ClientSampleId :

VW0916SBSD01

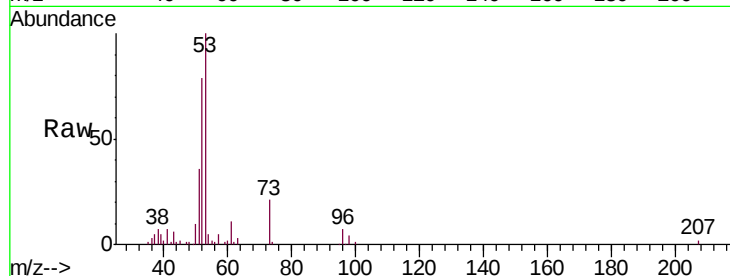
Tgt Ion: 53 Resp: 48925

Ion Ratio Lower Upper

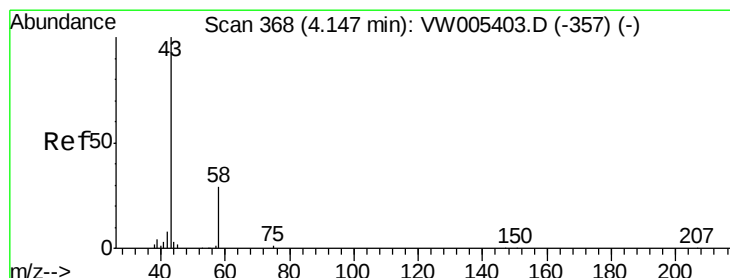
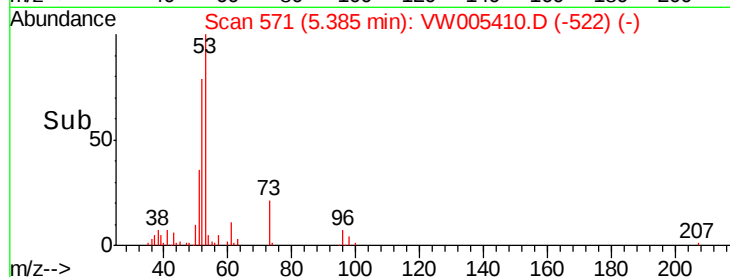
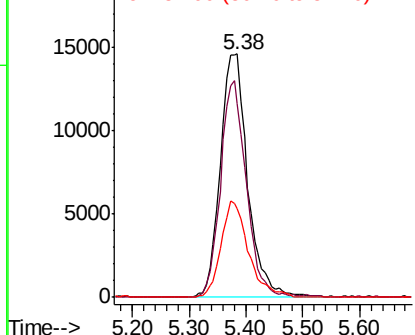
53 100

52 83.2 66.6 99.8

51 39.5 31.1 46.7



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 104.088 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.02 min

Lab File: VW005410.D

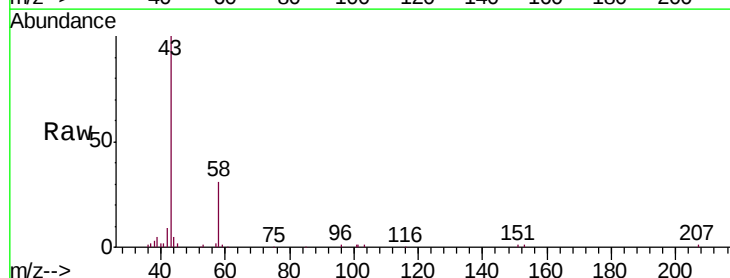
Acq: 15 Sep 2018 03:55

Tgt Ion: 43 Resp: 39917

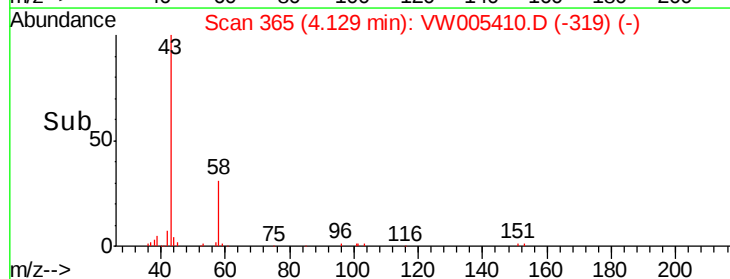
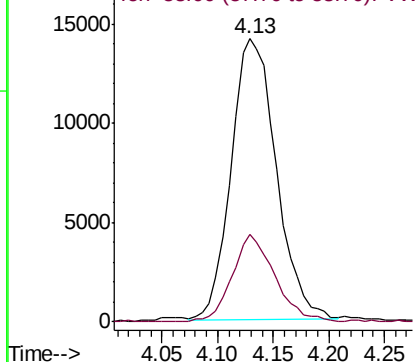
Ion Ratio Lower Upper

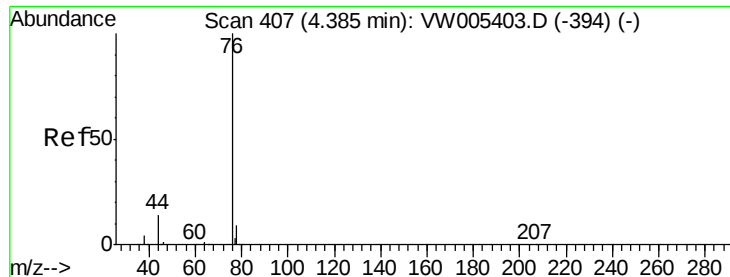
43 100

58 31.3 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 20.563 ug/l

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW005410.D

Acq: 15 Sep 2018 03:55

Instrument :

MSVOA_W

ClientSampleId :

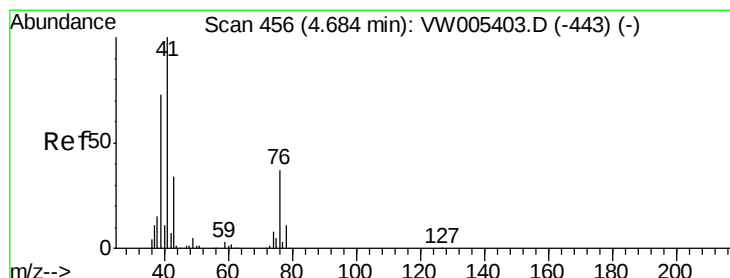
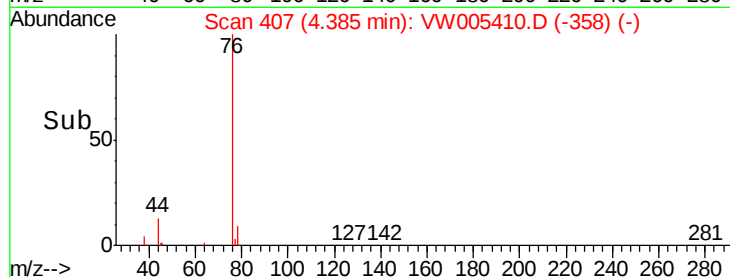
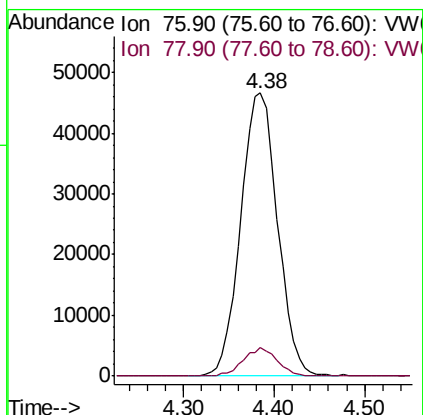
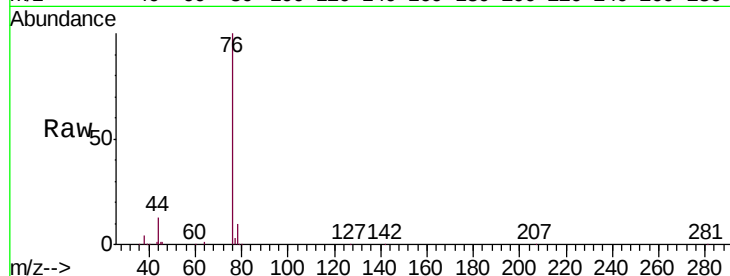
VW0916SBSD01

Tgt Ion: 76 Resp: 130769

Ion Ratio Lower Upper

76 100

78 10.0 7.4 11.0



#18

Methyl Acetate

Concen: 20.140 ug/l

RT: 4.68 min Scan# 456

Delta R.T. -0.00 min

Lab File: VW005410.D

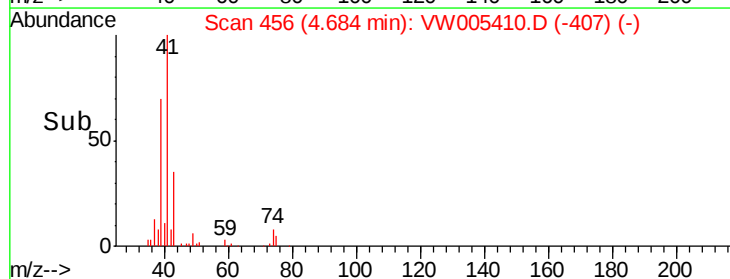
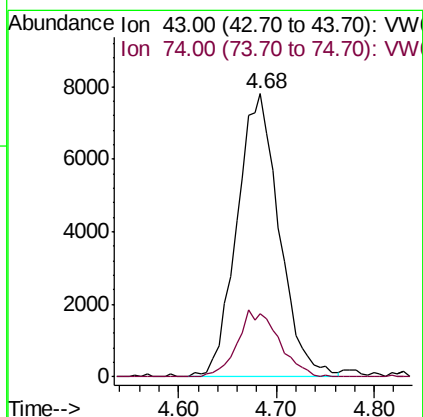
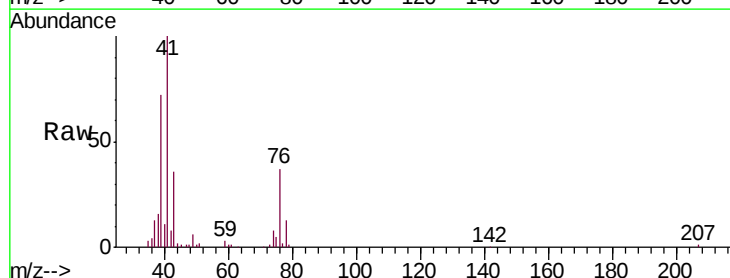
Acq: 15 Sep 2018 03:55

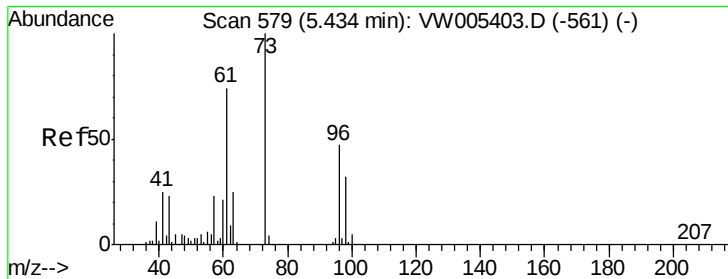
Tgt Ion: 43 Resp: 23440

Ion Ratio Lower Upper

43 100

74 23.0 17.7 26.5

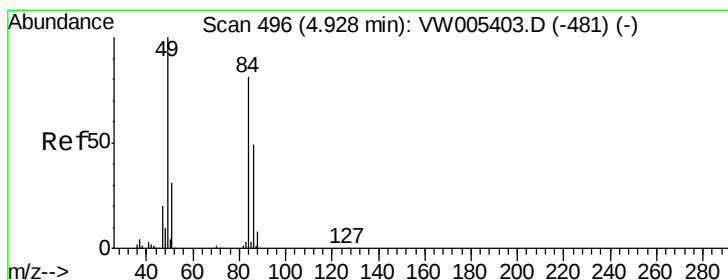
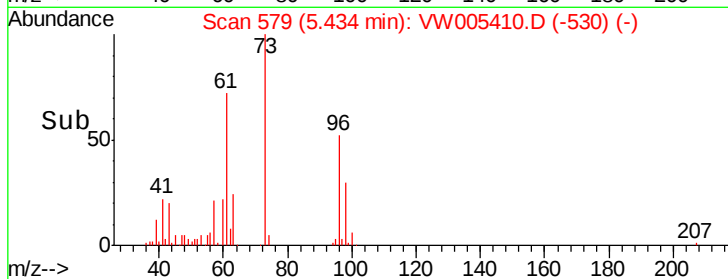
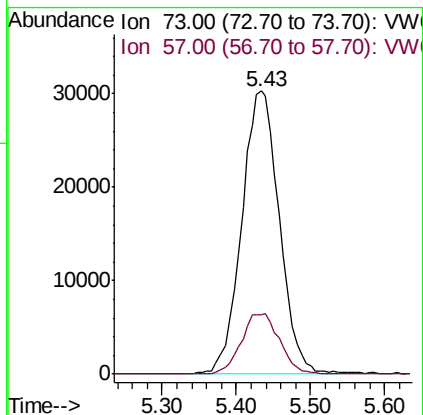
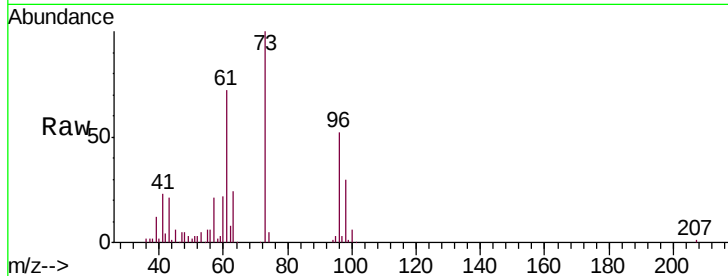




#19
Methyl tert-butyl Ether
Concen: 21.825 ug/l
RT: 5.43 min Scan# 579
Delta R.T. -0.00 min
Lab File: VW005410.D
Acq: 15 Sep 2018 03:55

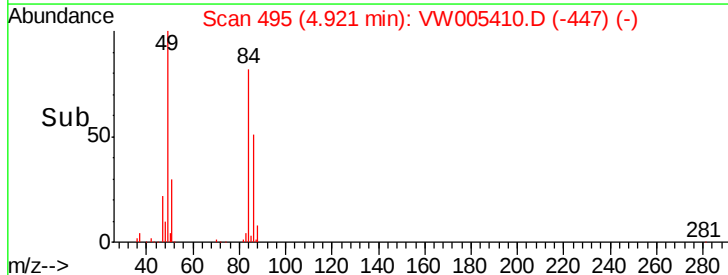
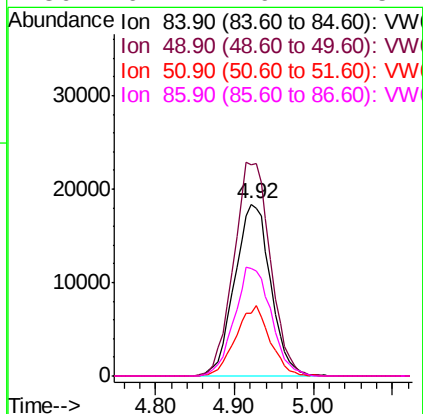
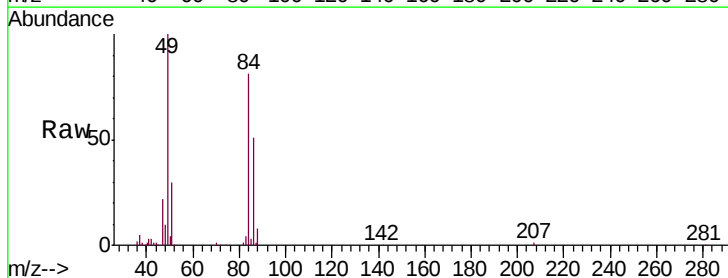
Instrument :
MSVOA_W
ClientSampleId :
VW0916SBSD01

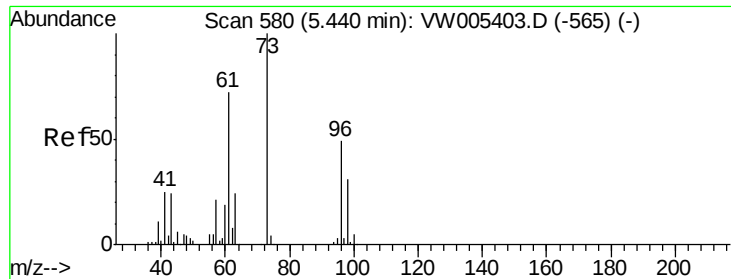
Tgt Ion: 73 Resp: 106984
Ion Ratio Lower Upper
73 100
57 21.0 18.6 28.0



#20
Methylene Chloride
Concen: 20.911 ug/l
RT: 4.92 min Scan# 495
Delta R.T. -0.01 min
Lab File: VW005410.D
Acq: 15 Sep 2018 03:55

Tgt Ion: 84 Resp: 58273
Ion Ratio Lower Upper
84 100
49 122.9 99.3 148.9
51 36.8 31.1 46.7
86 62.4 49.1 73.7





#21

trans-1,2-Dichloroethene

Concen: 21.594 ug/l

RT: 5.43 min Scan# 579

Delta R.T. -0.01 min

Lab File: VW005410.D

Acq: 15 Sep 2018 03:55

Instrument :

MSVOA_W

ClientSampleId :

VW0916SBSD01

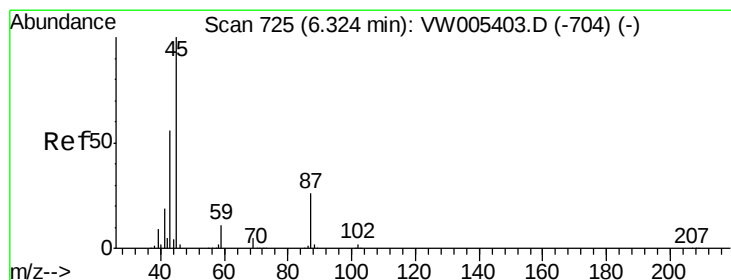
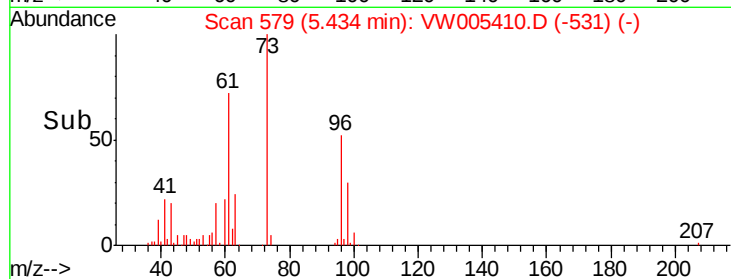
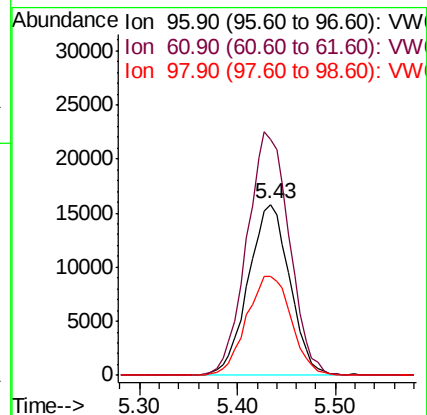
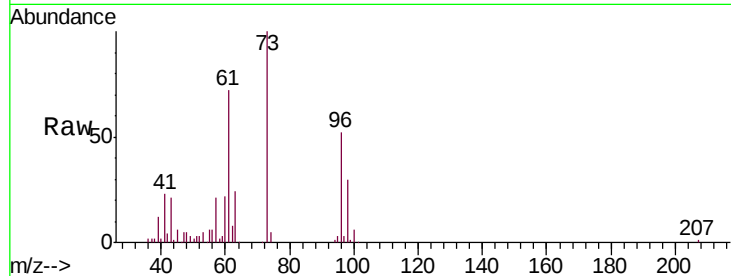
Tgt Ion: 96 Resp: 46555

Ion Ratio Lower Upper

96 100

61 138.5 116.7 175.1

98 57.9 51.0 76.6



#22

Diisopropyl ether

Concen: 21.582 ug/l

RT: 6.32 min Scan# 725

Delta R.T. -0.00 min

Lab File: VW005410.D

Acq: 15 Sep 2018 03:55

Tgt Ion: 45 Resp: 142519

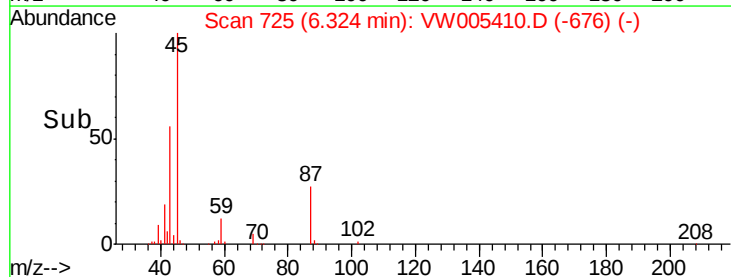
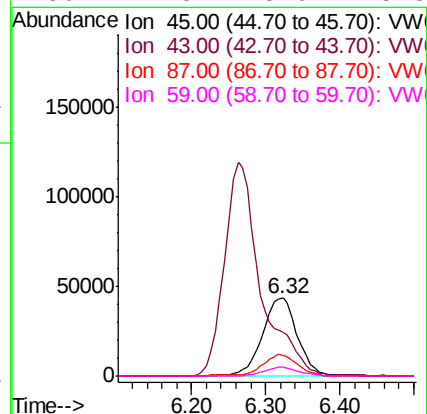
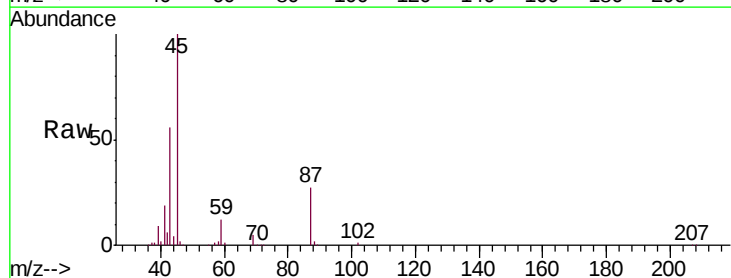
Ion Ratio Lower Upper

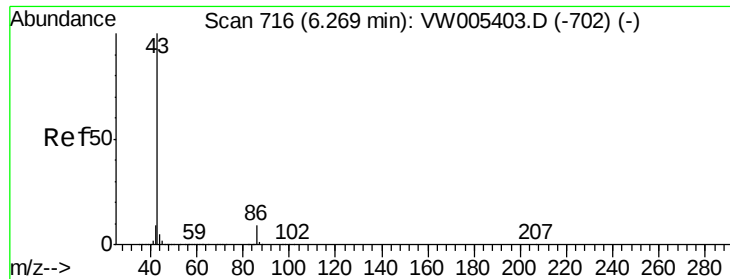
45 100

43 55.2 44.6 67.0

87 26.7 20.6 31.0

59 11.3 8.9 13.3

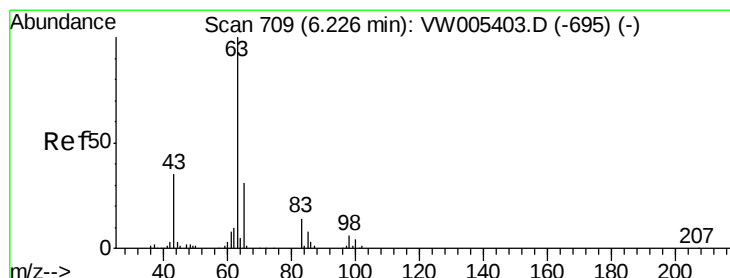
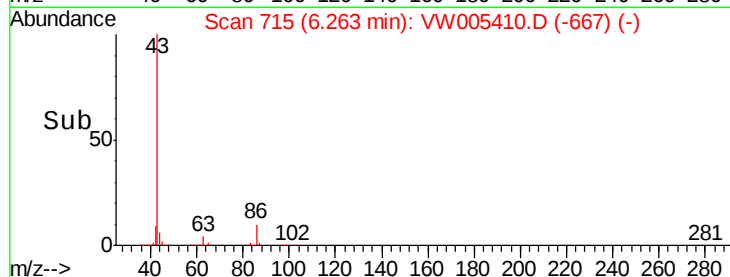
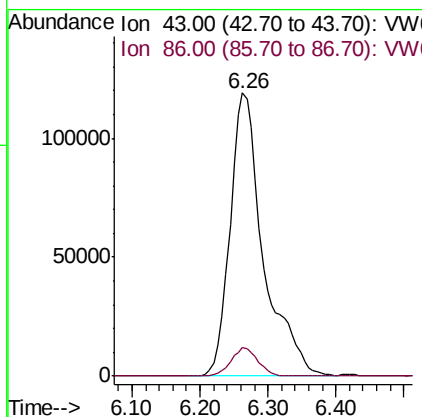
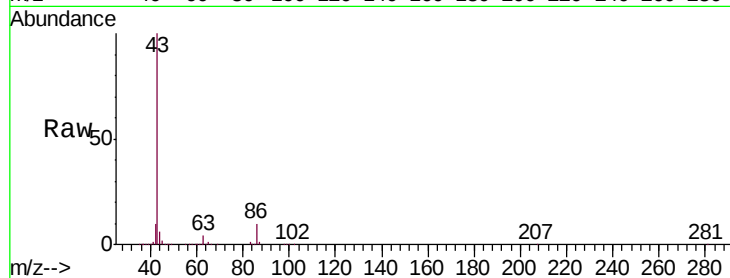




#23
 Vinyl Acetate
 Concen: 107.447 ug/l
 RT: 6.26 min Scan# 715
 Delta R.T. -0.01 min
 Lab File: VW005410.D
 Acq: 15 Sep 2018 03:55

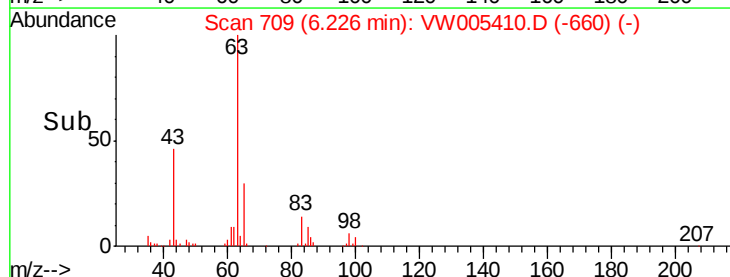
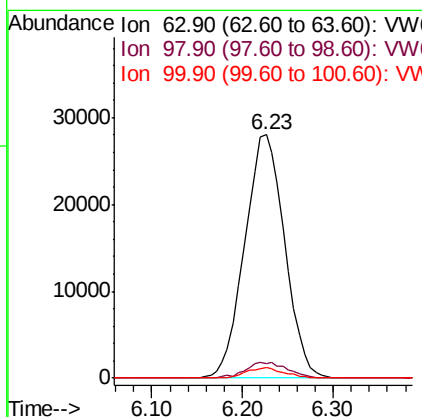
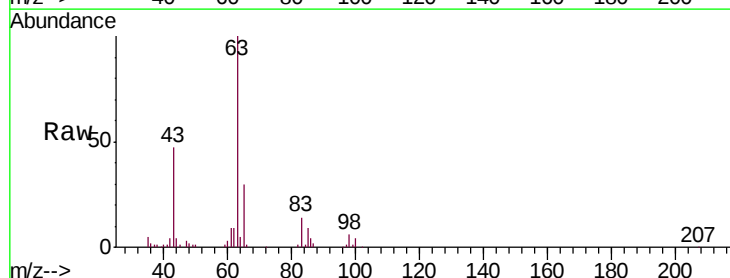
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0916SBSD01

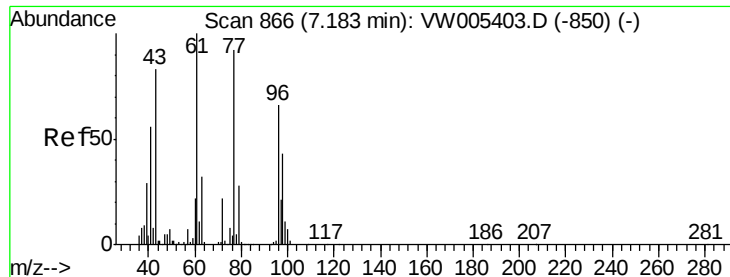
Tgt Ion: 43 Resp: 404306
 Ion Ratio Lower Upper
 43 100
 86 10.2 7.5 11.3



#24
 1,1-Dichloroethane
 Concen: 21.347 ug/l
 RT: 6.23 min Scan# 709
 Delta R.T. -0.00 min
 Lab File: VW005410.D
 Acq: 15 Sep 2018 03:55

Tgt Ion: 63 Resp: 85542
 Ion Ratio Lower Upper
 63 100
 98 6.0 2.9 8.8
 100 4.2 2.3 6.8





#25

2-Butanone

Concen: 106.726 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.00 min

Lab File: VW005410.D

Acq: 15 Sep 2018 03:55

Instrument :

MSVOA_W

ClientSampleId :

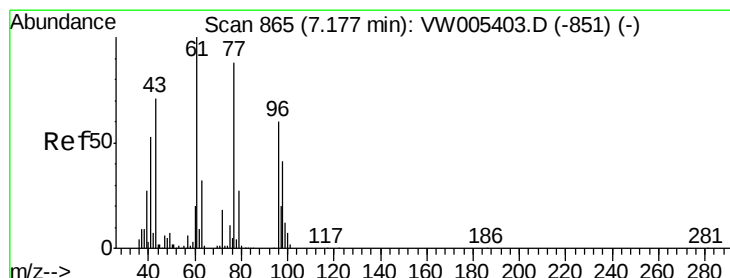
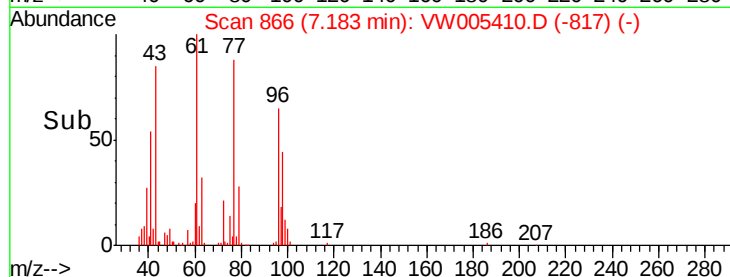
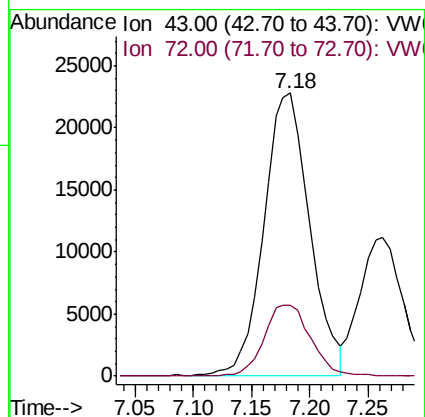
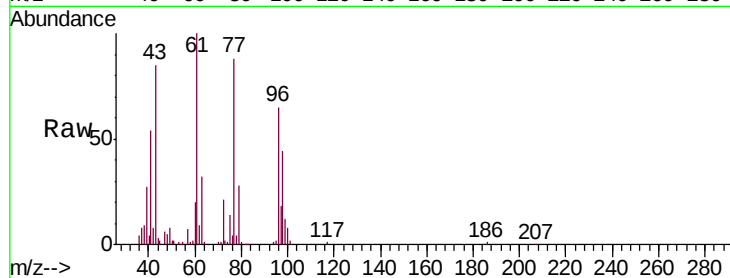
VW0916SBSD01

Tgt Ion: 43 Resp: 62182

Ion Ratio Lower Upper

43 100

72 24.9 21.1 31.7



#26

2,2-Dichloropropane

Concen: 20.614 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW005410.D

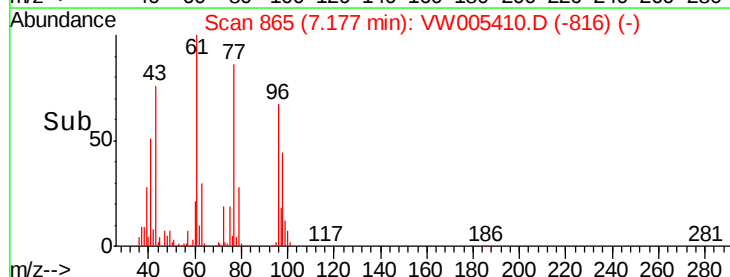
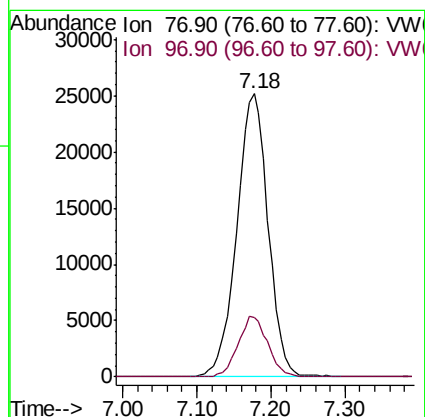
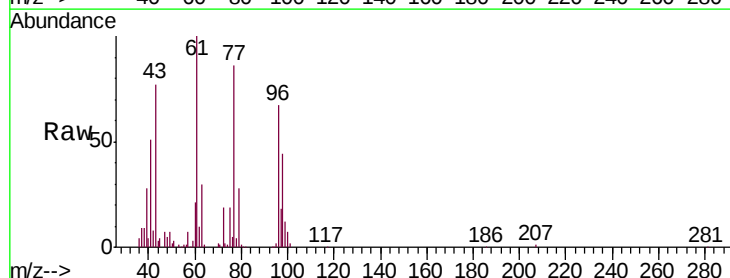
Acq: 15 Sep 2018 03:55

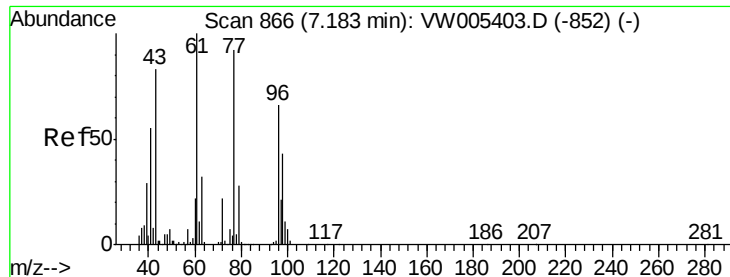
Tgt Ion: 77 Resp: 74098

Ion Ratio Lower Upper

77 100

97 20.2 10.7 32.1



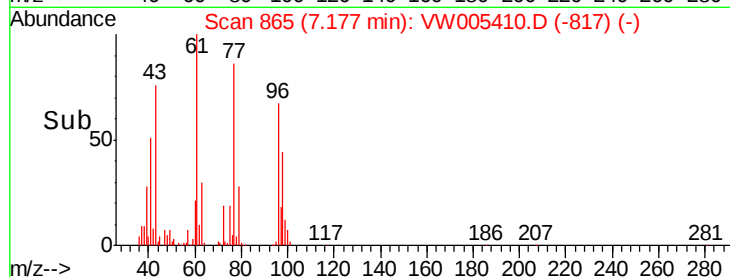
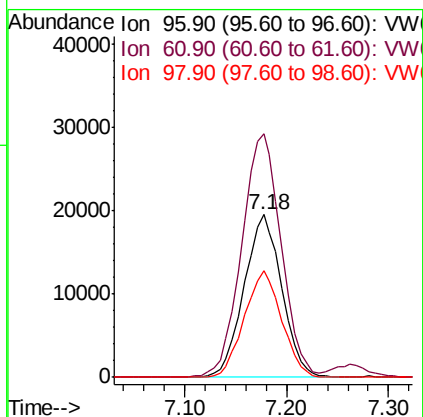
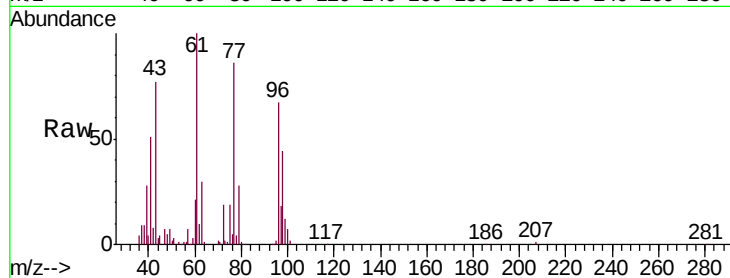


#27

cis-1,2-Dichloroethene
Concen: 21.420 ug/l
RT: 7.18 min Scan# 865
Delta R.T. -0.01 min
Lab File: VW005410.D
Acq: 15 Sep 2018 03:55

Instrument :
MSVOA_W
ClientSampleId :
VW0916SBSD01

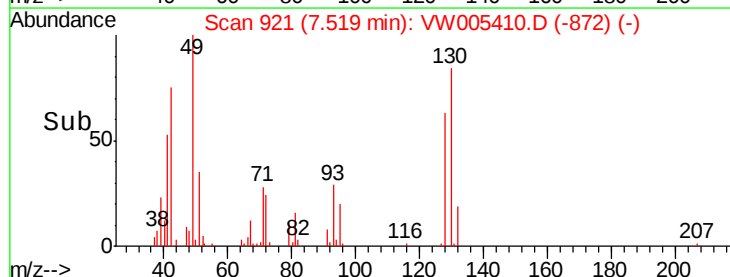
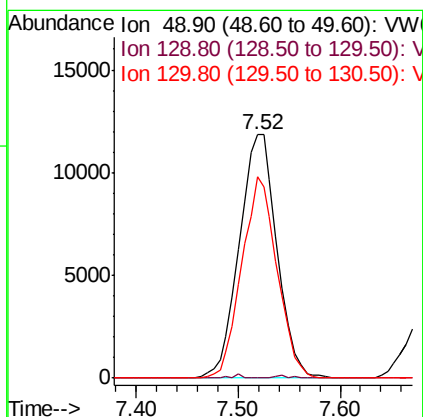
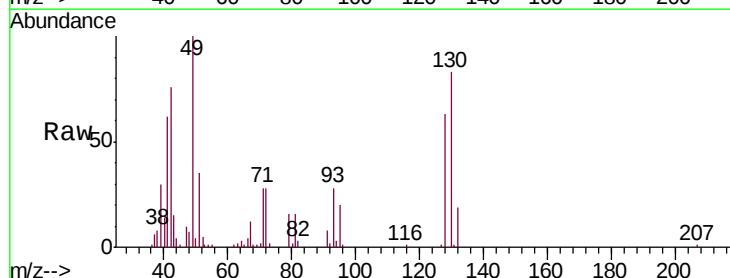
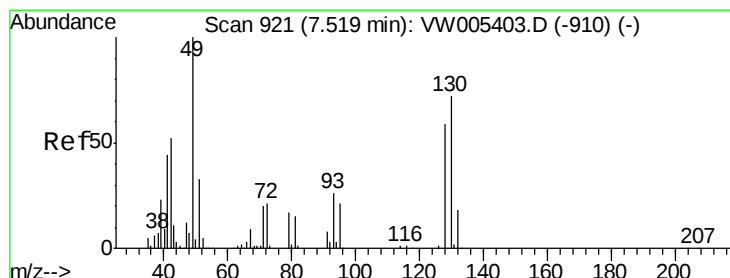
Tgt Ion: 96 Resp: 50234
Ion Ratio Lower Upper
96 100
61 156.9 0.0 316.0
98 65.2 0.0 130.8

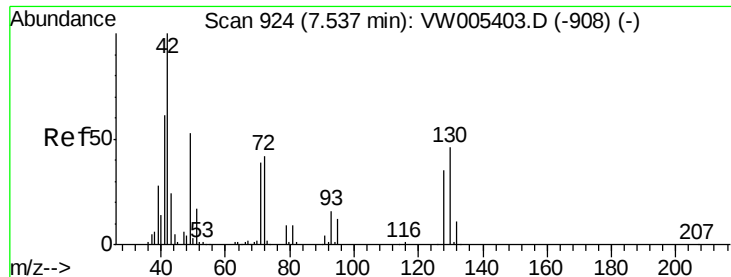


#28

Bromochloromethane
Concen: 19.497 ug/l
RT: 7.52 min Scan# 921
Delta R.T. -0.00 min
Lab File: VW005410.D
Acq: 15 Sep 2018 03:55

Tgt Ion: 49 Resp: 30388
Ion Ratio Lower Upper
49 100
129 0.3 0.0 1.0
130 77.5 61.4 92.2

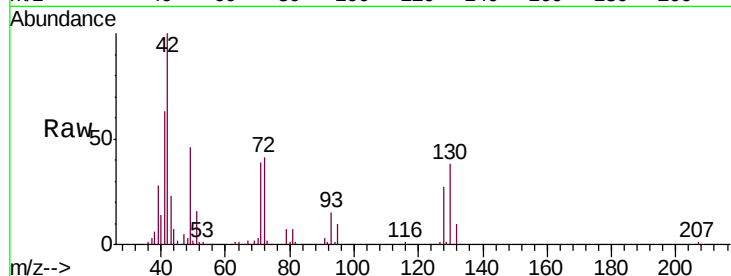




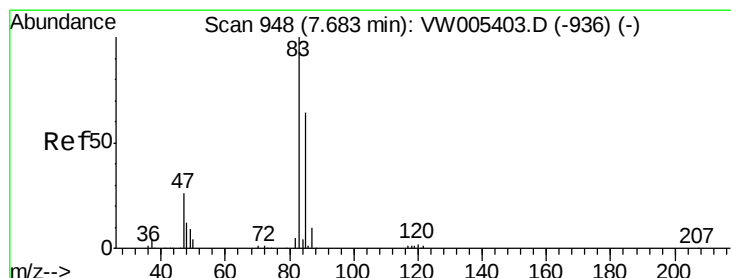
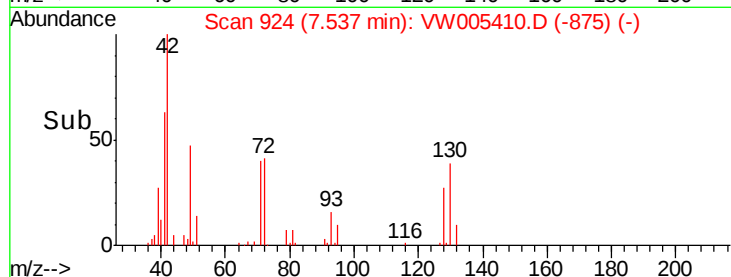
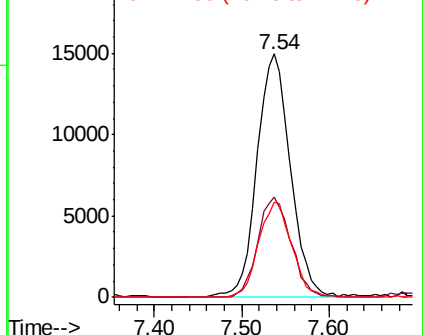
#29
Tetrahydrofuran
Concen: 107.080 ug/l
RT: 7.54 min Scan# 924
Delta R.T. -0.00 min
Lab File: VW005410.D
Acq: 15 Sep 2018 03:55

Instrument :
MSVOA_W
ClientSampleId :
VW0916SBSD01

Tgt Ion: 42 Resp: 39745
Ion Ratio Lower Upper
42 100
72 40.7 33.2 49.8
71 38.8 31.0 46.6

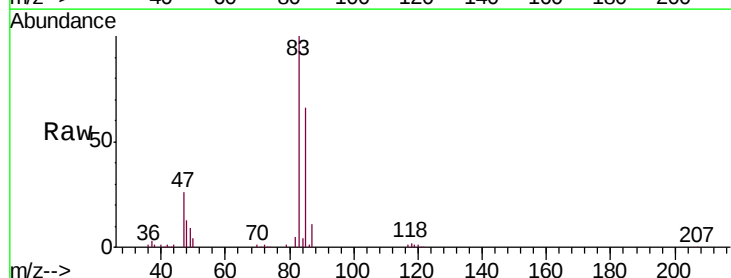


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

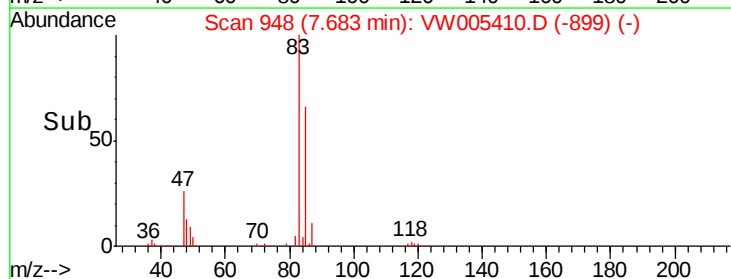
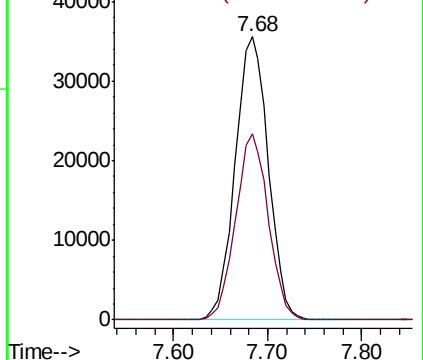


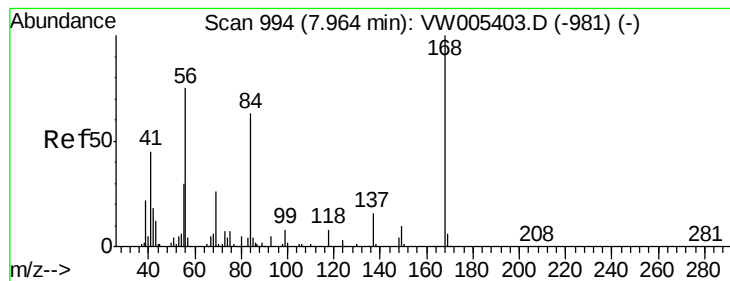
#30
Chloroform
Concen: 20.886 ug/l
RT: 7.68 min Scan# 948
Delta R.T. -0.00 min
Lab File: VW005410.D
Acq: 15 Sep 2018 03:55

Tgt Ion: 83 Resp: 86669
Ion Ratio Lower Upper
83 100
85 65.9 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 21.093 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.01 min

Lab File: VW005410.D

Acq: 15 Sep 2018 03:55

Instrument :

MSVOA_W

ClientSampleId :

VW0916SBSD01

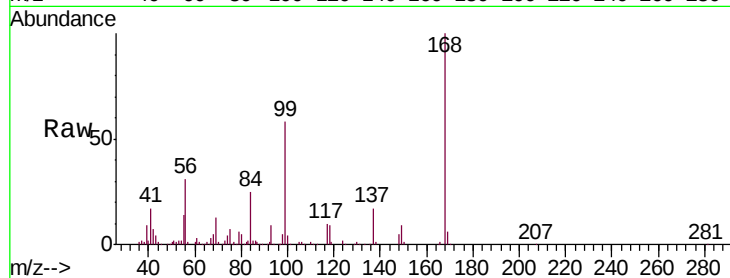
Tgt Ion: 56 Resp: 81541

Ion Ratio Lower Upper

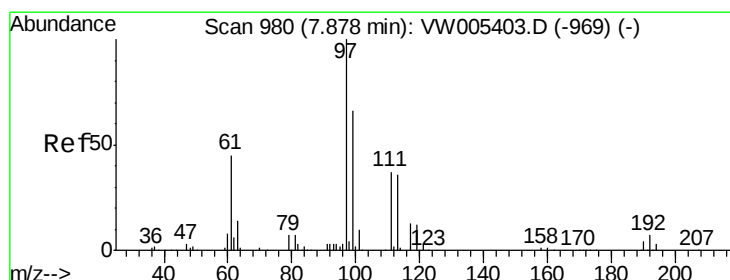
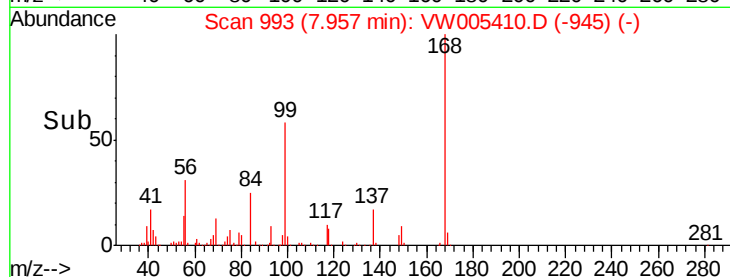
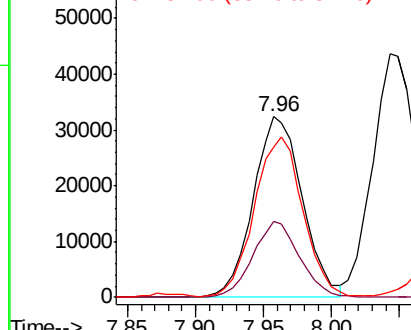
56 100

69 42.2 27.2 40.8#

84 81.8 66.7 100.1



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 21.448 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW005410.D

Acq: 15 Sep 2018 03:55

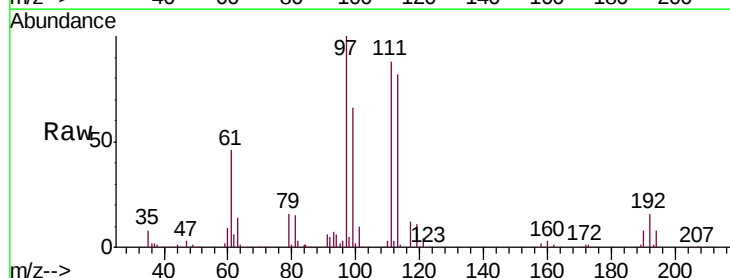
Tgt Ion: 97 Resp: 82759

Ion Ratio Lower Upper

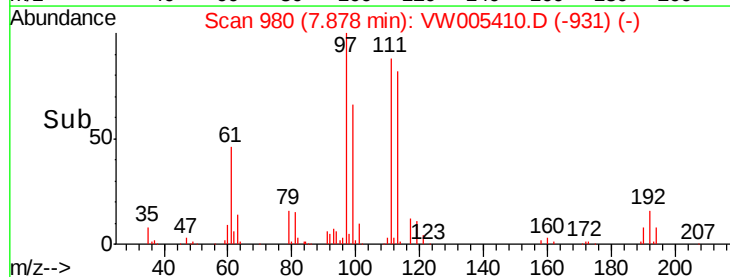
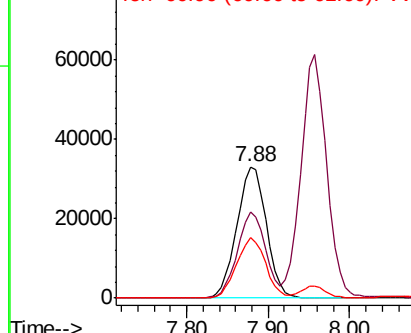
97 100

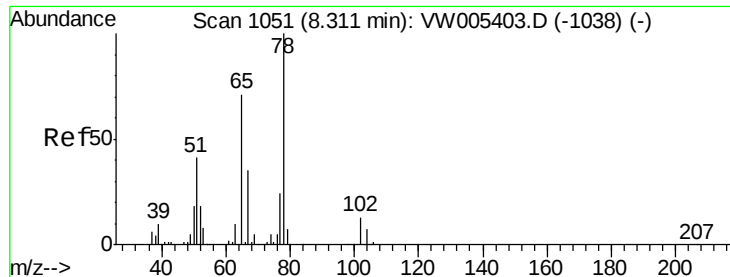
99 63.2 51.5 77.3

61 45.4 35.8 53.6



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW

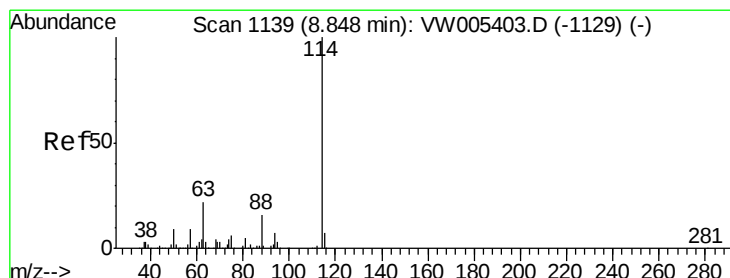
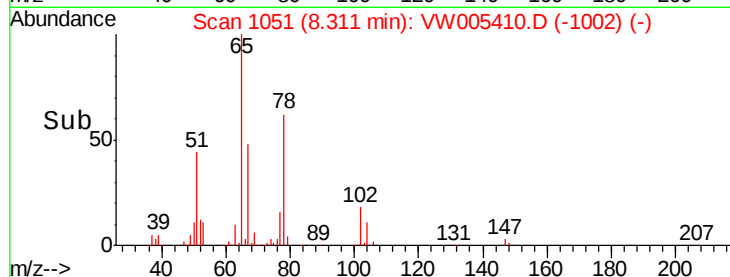
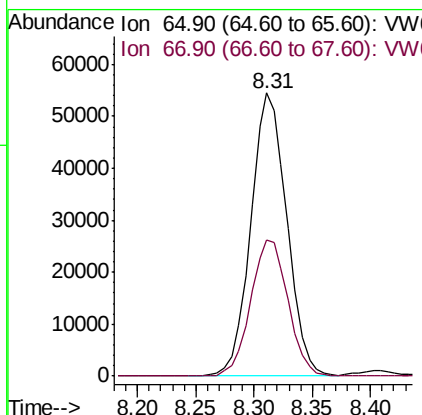
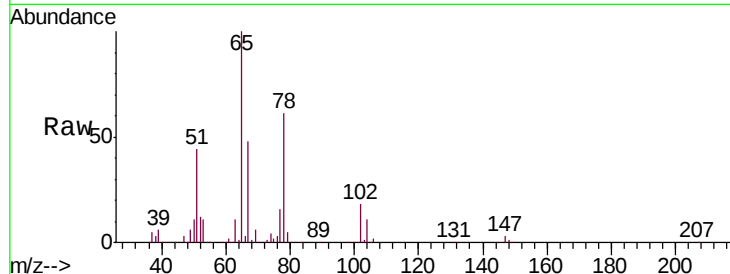




#33
 1,2-Dichloroethane-d4
 Concen: 48.493 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW005410.D
 Acq: 15 Sep 2018 03:55

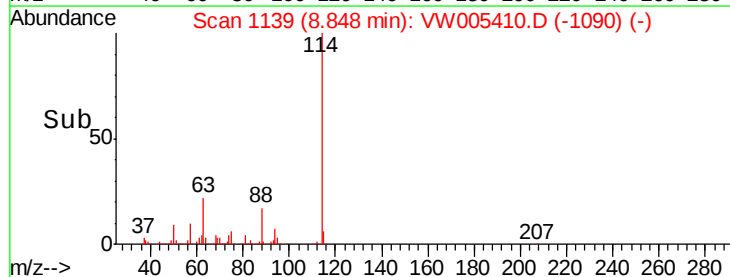
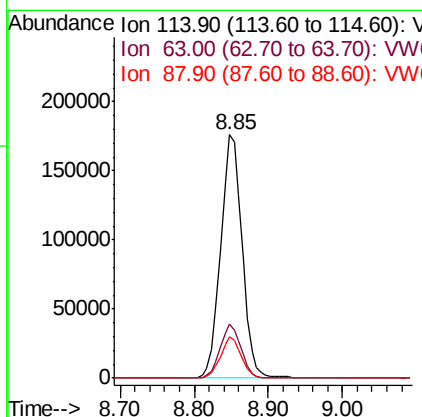
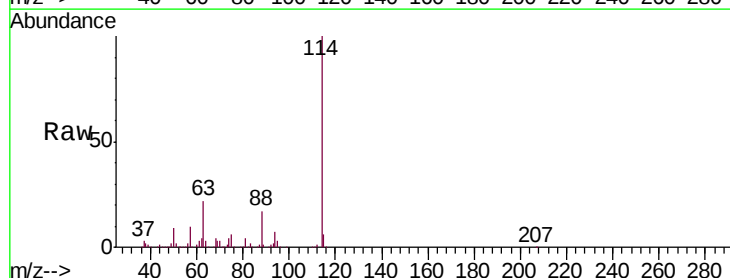
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0916SBSD01

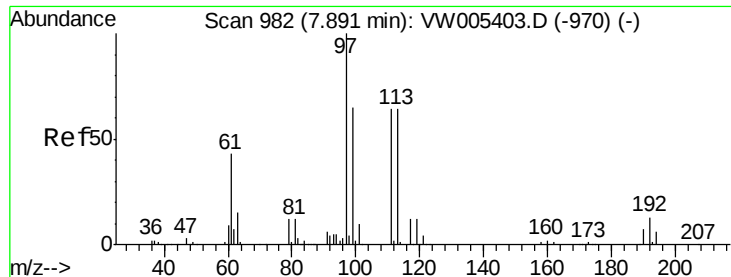
Tgt Ion: 65 Resp: 117451
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005410.D
 Acq: 15 Sep 2018 03:55

Tgt Ion: 114 Resp: 352070
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 43.4
 88 16.8 0.0 31.8

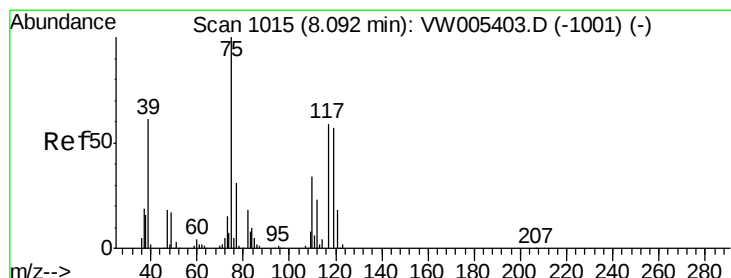
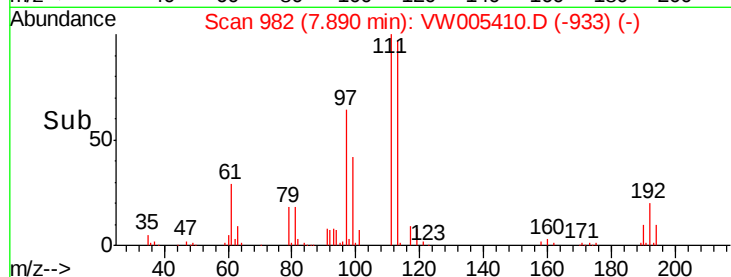
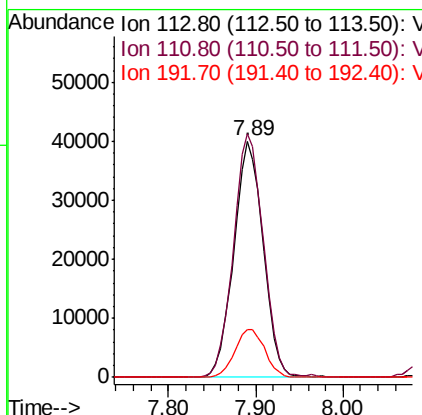
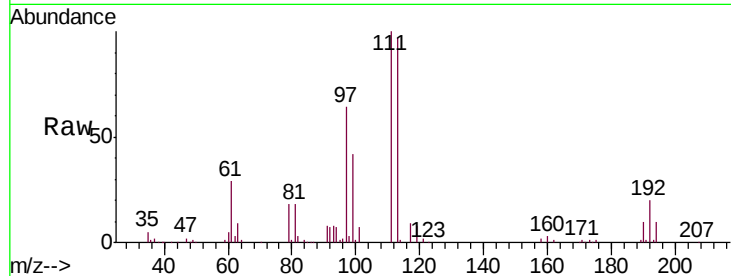




#35
 Dibromofluoromethane
 Concen: 47.286 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW005410.D
 Acq: 15 Sep 2018 03:55

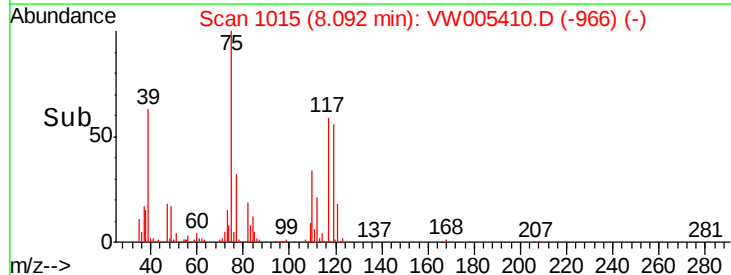
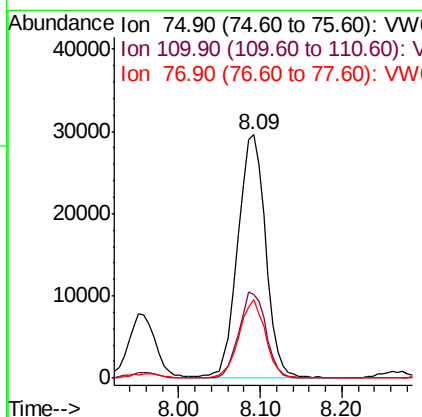
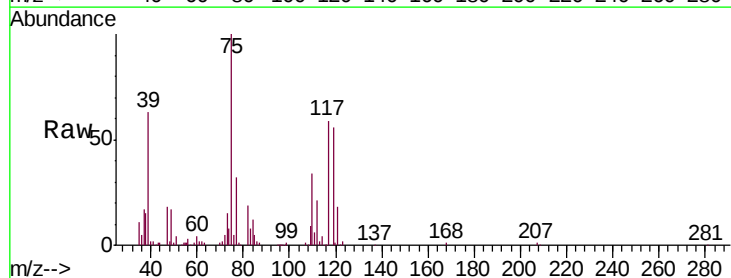
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0916SBSD01

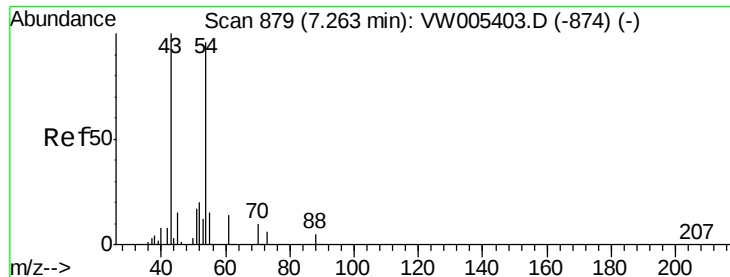
Tgt Ion: 113 Resp: 93343
 Ion Ratio Lower Upper
 113 100
 111 105.0 82.3 123.5
 192 20.7 16.5 24.7



#36
 1,1-Dichloropropene
 Concen: 21.062 ug/l
 RT: 8.09 min Scan# 1015
 Delta R.T. -0.00 min
 Lab File: VW005410.D
 Acq: 15 Sep 2018 03:55

Tgt Ion: 75 Resp: 70176
 Ion Ratio Lower Upper
 75 100
 110 34.0 16.8 50.4
 77 30.5 24.2 36.4

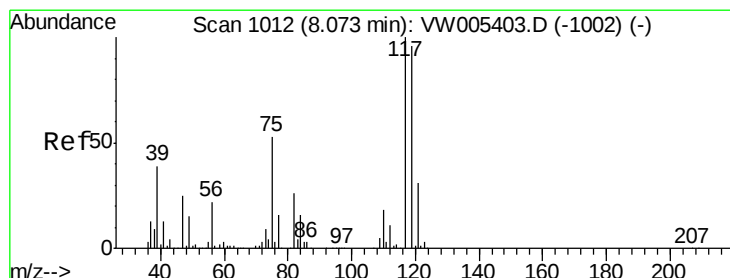
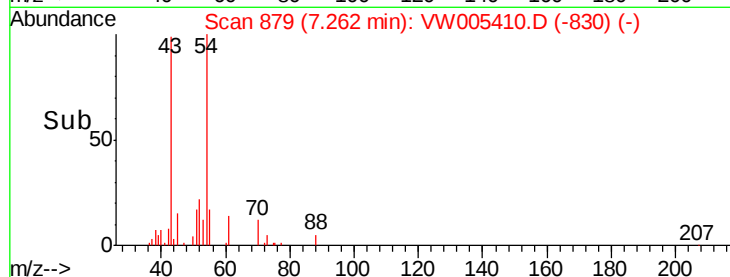
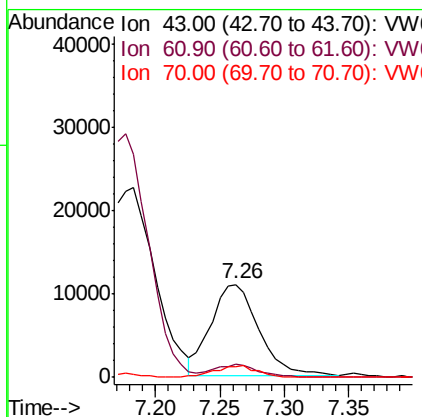
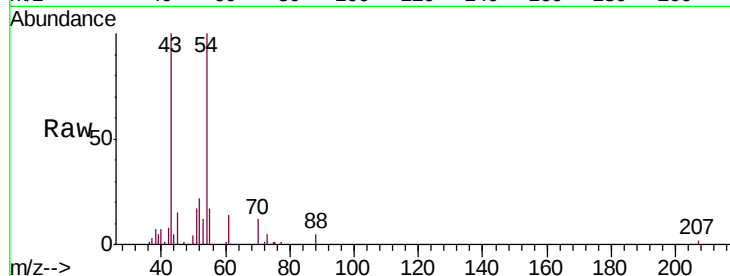




#37
Ethyl Acetate
Concen: 21.033 ug/l
RT: 7.26 min Scan# 879
Delta R.T. -0.00 min
Lab File: VW005410.D
Acq: 15 Sep 2018 03:55

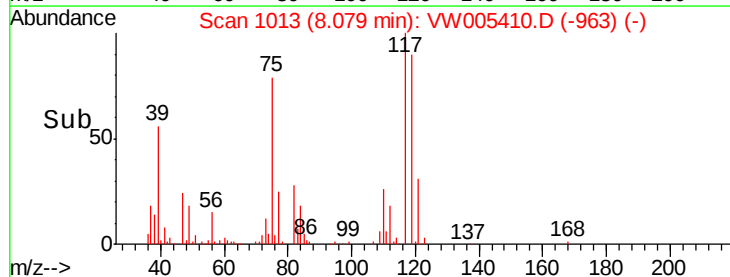
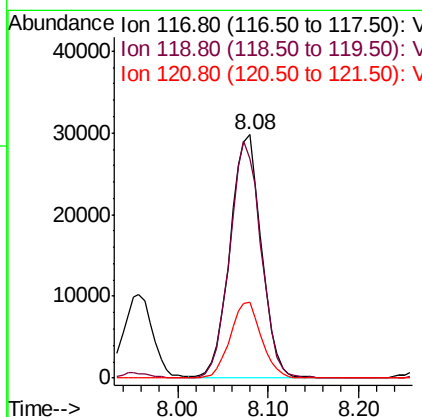
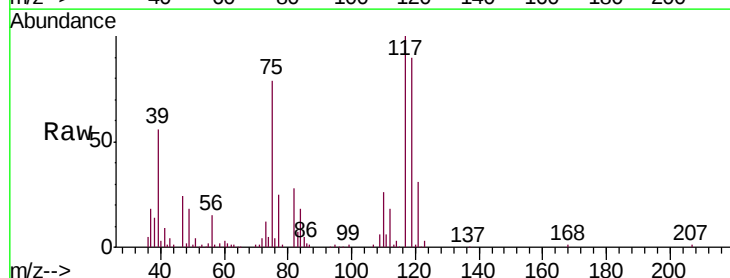
Instrument :
MSVOA_W
ClientSampleId :
VW0916SBSD01

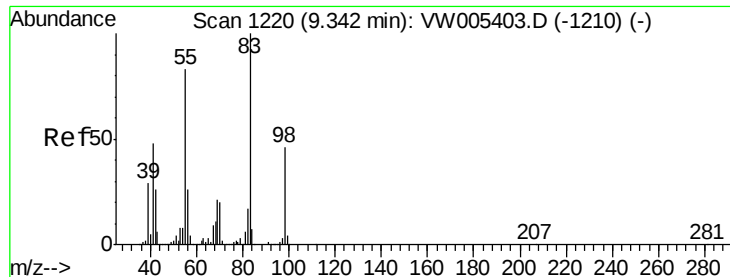
Tgt Ion: 43 Resp: 28499
Ion Ratio Lower Upper
43 100
61 12.6 11.3 16.9
70 11.5 8.2 12.4



#38
Carbon Tetrachloride
Concen: 20.760 ug/l
RT: 8.08 min Scan# 1013
Delta R.T. 0.01 min
Lab File: VW005410.D
Acq: 15 Sep 2018 03:55

Tgt Ion: 117 Resp: 72079
Ion Ratio Lower Upper
117 100
119 90.0 76.8 115.2
121 30.9 24.7 37.1

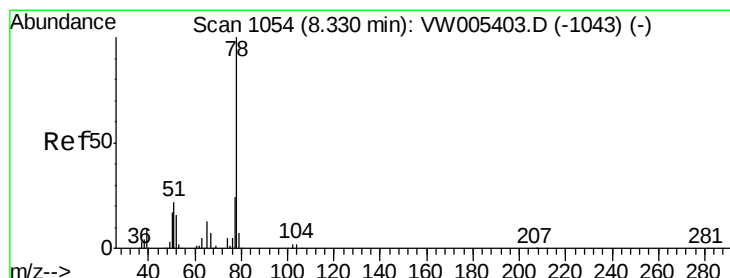
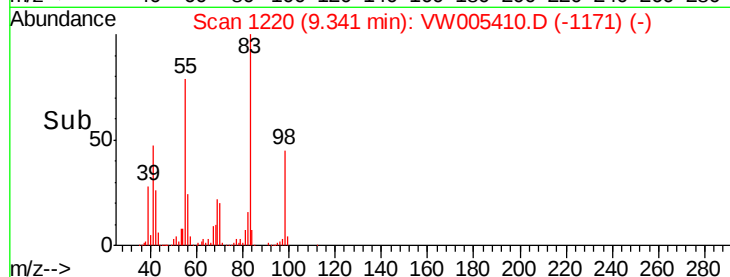
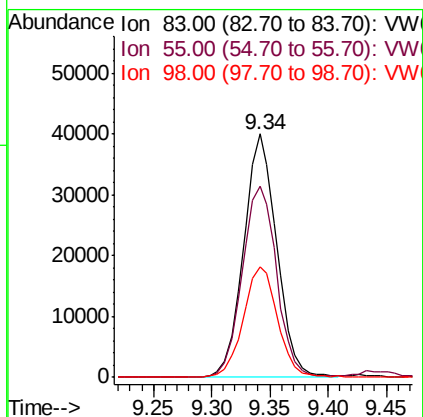
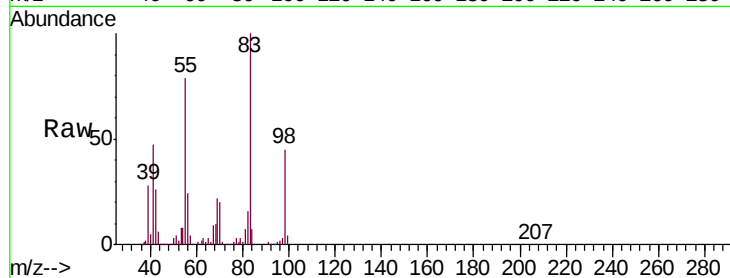




#39
Methylcyclohexane
Concen: 20.480 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. -0.00 min
Lab File: VW005410.D
Acq: 15 Sep 2018 03:55

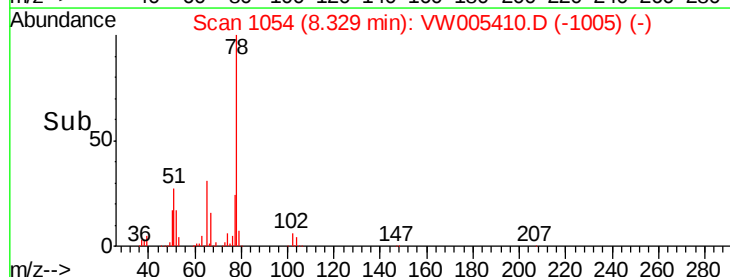
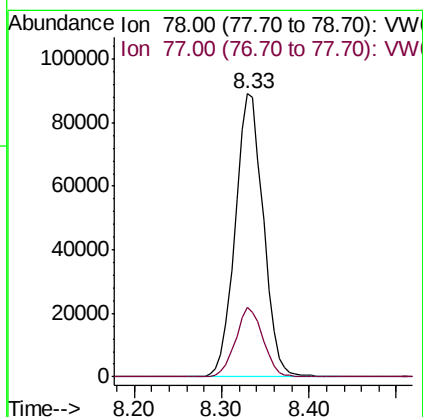
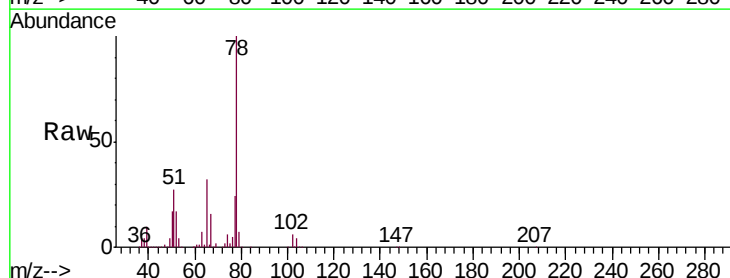
Instrument :
MSVOA_W
ClientSampleId :
VW0916SBSD01

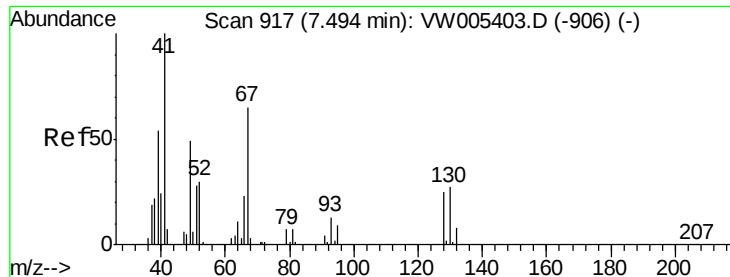
Tgt Ion: 83 Resp: 79292
Ion Ratio Lower Upper
83 100
55 78.5 66.1 99.1
98 45.3 36.7 55.1



#40
Benzene
Concen: 20.661 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VW005410.D
Acq: 15 Sep 2018 03:55

Tgt Ion: 78 Resp: 199421
Ion Ratio Lower Upper
78 100
77 24.4 19.3 28.9

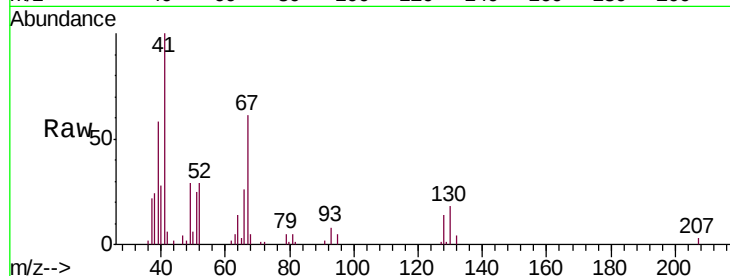




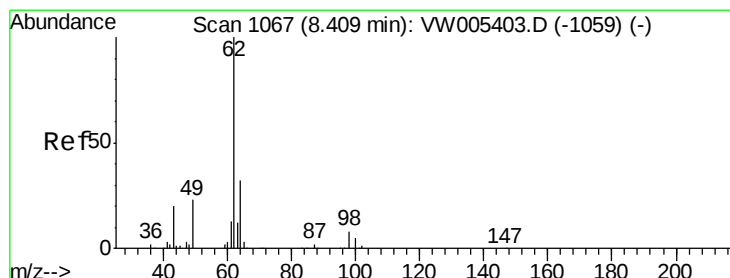
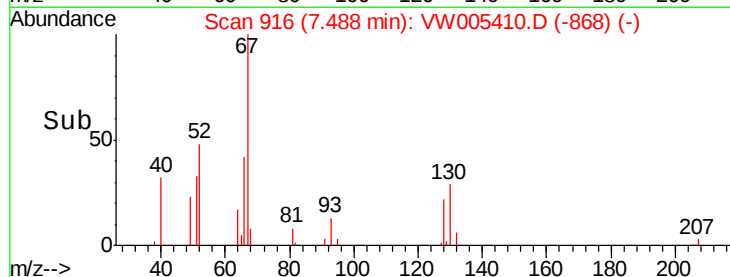
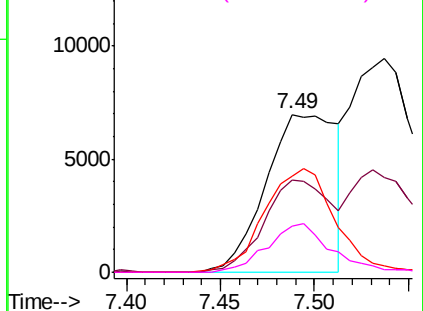
#41
Methacrylonitrile
Concen: 22.328 ug/l
RT: 7.49 min Scan# 916
Delta R.T. -0.01 min
Lab File: VW005410.D
Acq: 15 Sep 2018 03:55

Instrument :
MSVOA_W
ClientSampleId :
VW0916SBSD01

Tgt Ion:	41	Resp:	18253
Ion	Ratio	Lower	Upper
41	100		
39	54.9	44.6	67.0
67	65.5	53.6	80.4
52	28.2	24.9	37.3

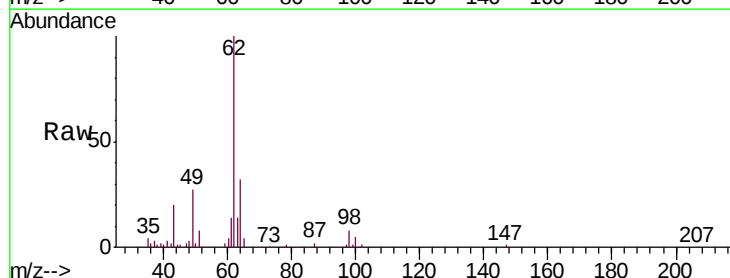


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

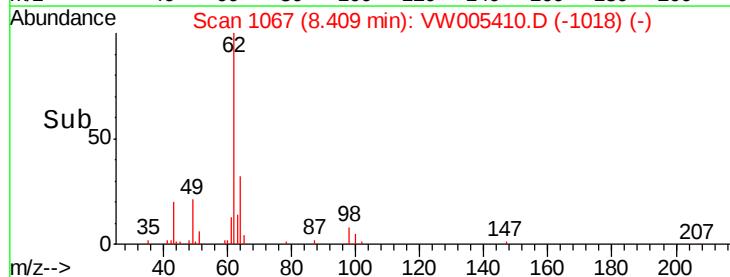
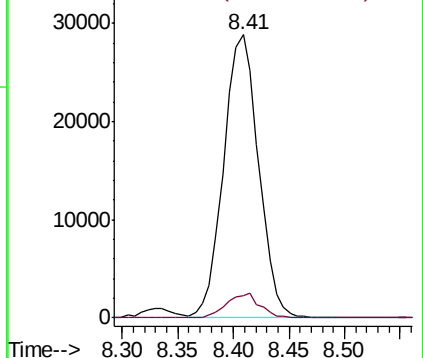


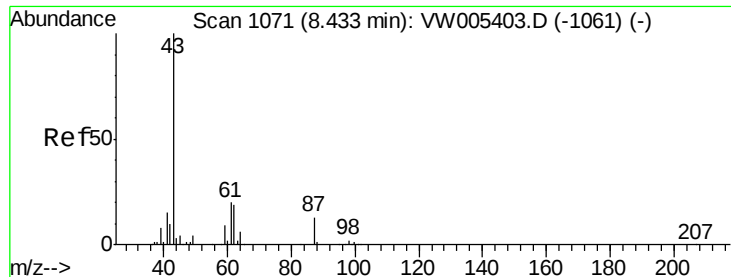
#42
1,2-Dichloroethane
Concen: 20.823 ug/l
RT: 8.41 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VW005410.D
Acq: 15 Sep 2018 03:55

Tgt Ion:	62	Resp:	62907
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	15.6



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 20.408 ug/l

RT: 8.43 min Scan# 1071

Delta R.T. -0.00 min

Lab File: VW005410.D

Acq: 15 Sep 2018 03:55

Instrument :

MSVOA_W

ClientSampleId :

VW0916SBSD01

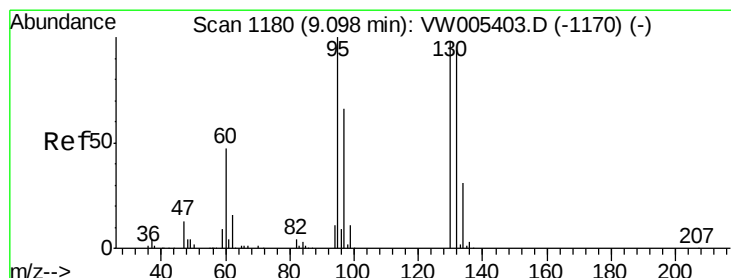
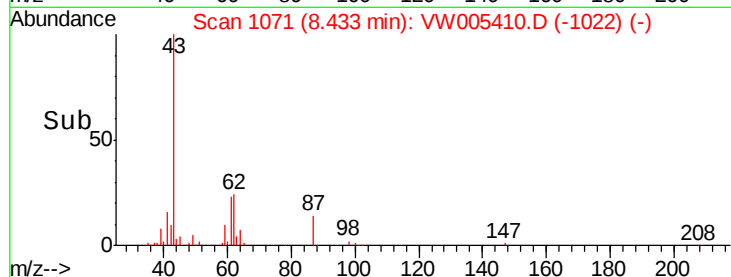
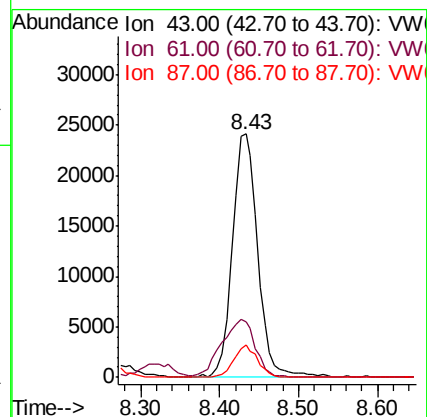
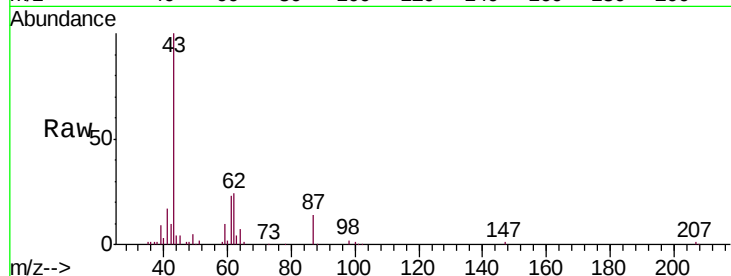
Tgt Ion: 43 Resp: 53966

Ion Ratio Lower Upper

43 100

61 31.2 23.8 35.6

87 12.5 10.1 15.1



#44

Trichloroethene

Concen: 20.974 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VW005410.D

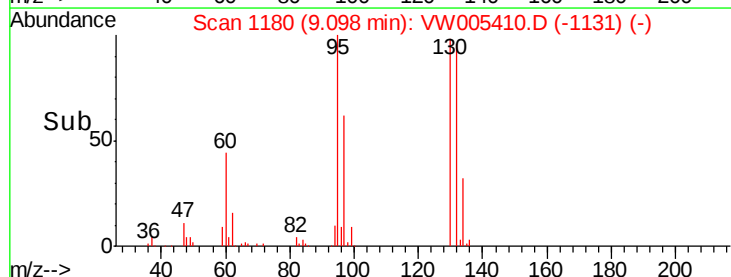
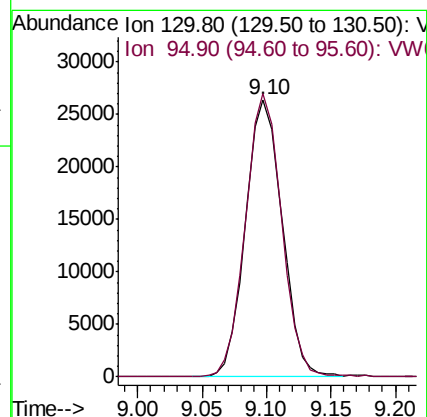
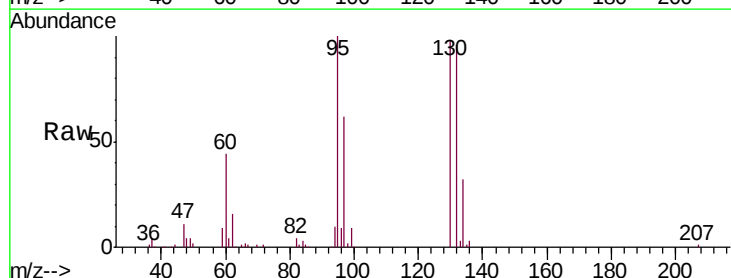
Acq: 15 Sep 2018 03:55

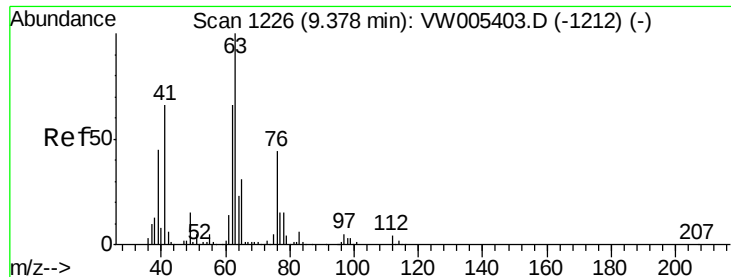
Tgt Ion: 130 Resp: 52106

Ion Ratio Lower Upper

130 100

95 102.1 0.0 204.6

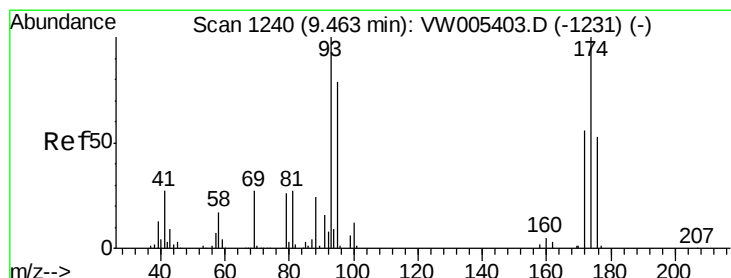
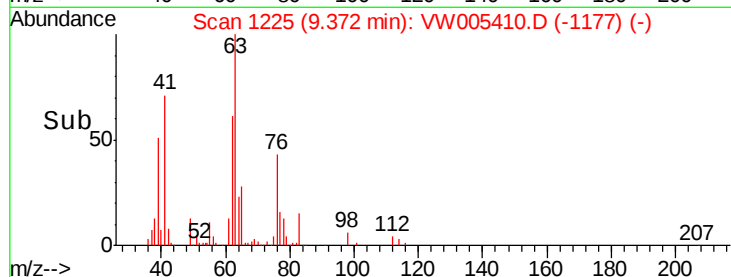
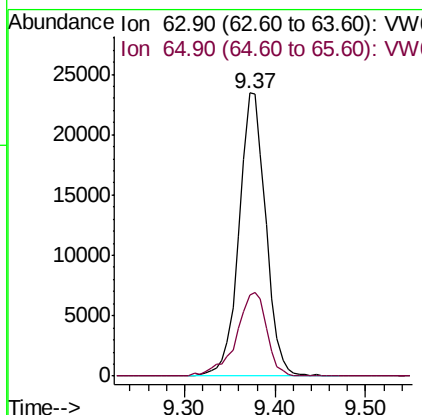
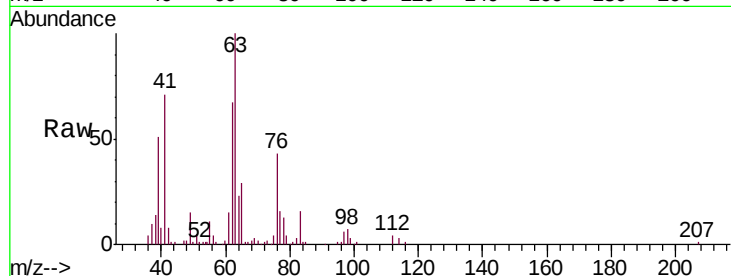




#45
 1,2-Dichloropropane
 Concen: 20.718 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.01 min
 Lab File: VW005410.D
 Acq: 15 Sep 2018 03:55

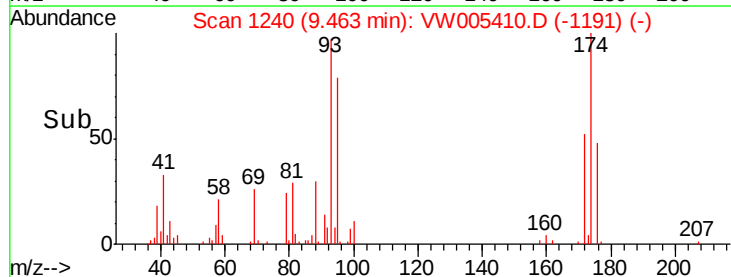
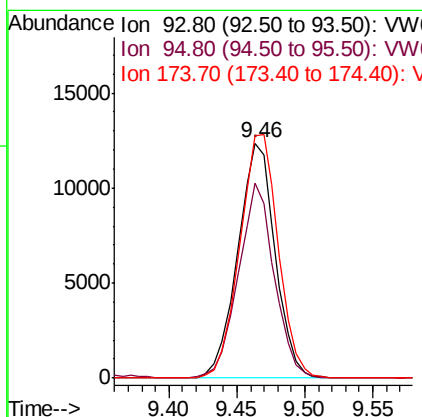
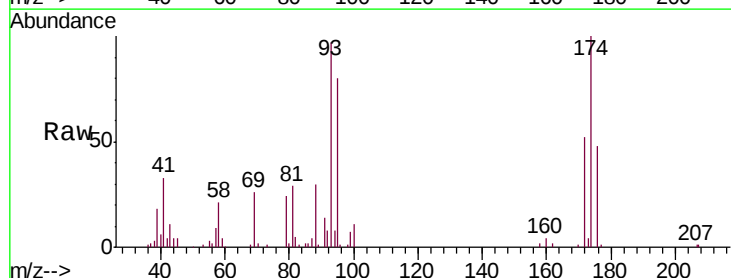
Instrument :
 MSVOA_W
 ClientSampleID :
 VW0916SBSD01

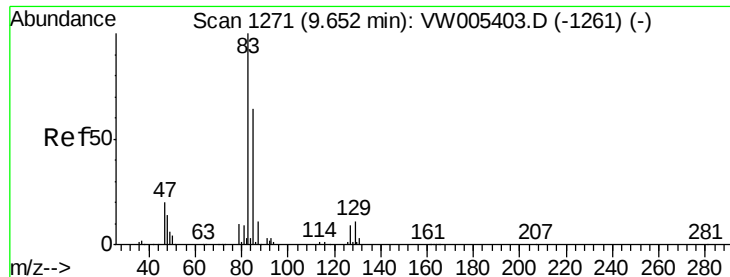
Tgt Ion: 63 Resp: 47777
 Ion Ratio Lower Upper
 63 100
 65 28.8 25.0 37.6



#46
 Dibromomethane
 Concen: 20.844 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VW005410.D
 Acq: 15 Sep 2018 03:55

Tgt Ion: 93 Resp: 23645
 Ion Ratio Lower Upper
 93 100
 95 79.8 65.4 98.0
 174 107.0 83.4 125.2





#47

Bromodichloromethane

Concen: 21.251 ug/l

RT: 9.65 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VW005410.D

Acq: 15 Sep 2018 03:55

Instrument :

MSVOA_W

ClientSampleId :

VW0916SBSD01

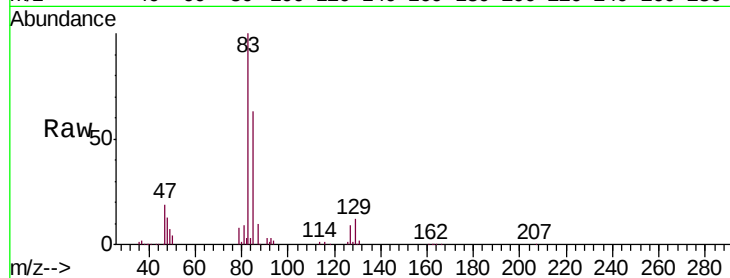
Tgt Ion: 83 Resp: 65314

Ion Ratio Lower Upper

83 100

85 62.8 50.9 76.3

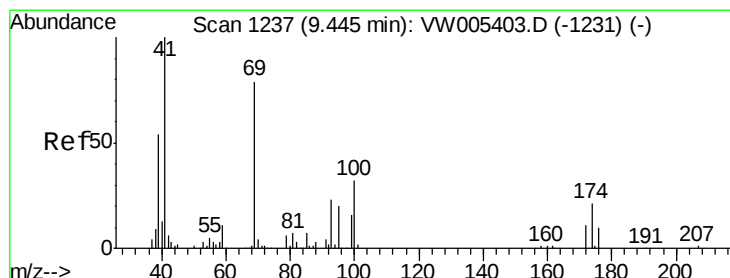
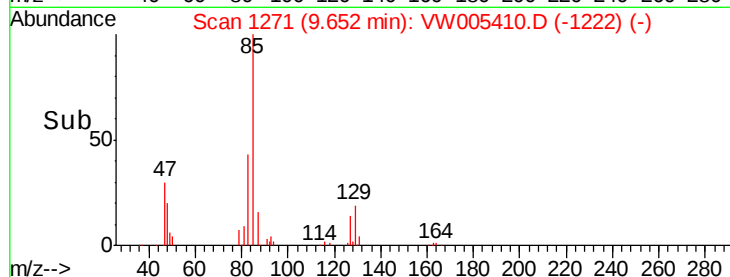
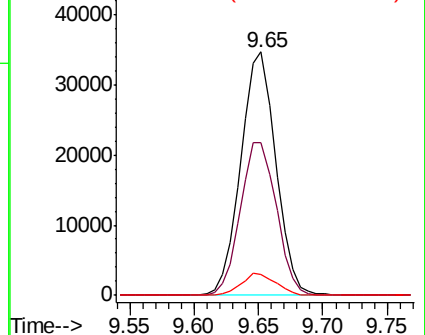
127 8.5 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 20.160 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VW005410.D

Acq: 15 Sep 2018 03:55

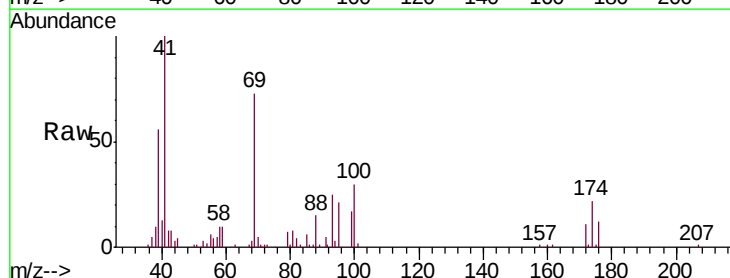
Tgt Ion: 41 Resp: 26605

Ion Ratio Lower Upper

41 100

69 87.2 67.5 101.3

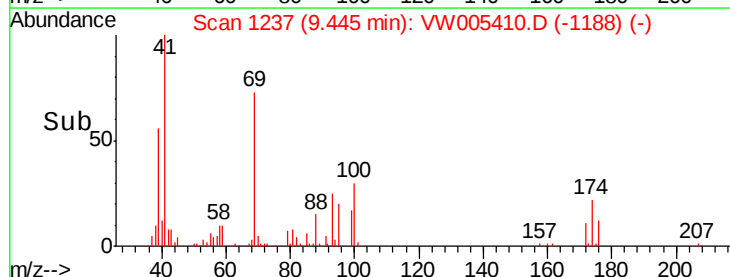
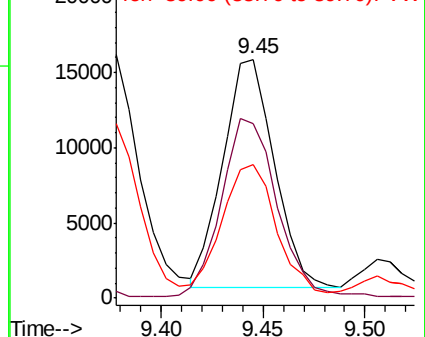
39 63.6 45.5 68.3

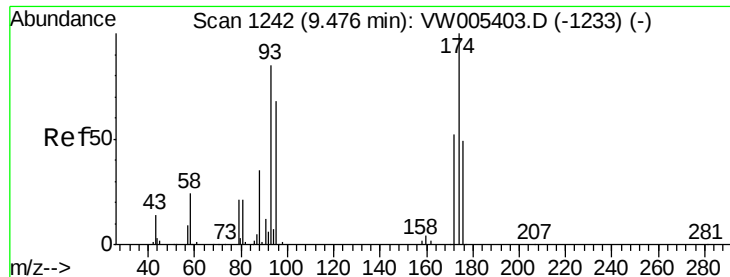


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 427.986 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.02 min

Lab File: VW005410.D

Acq: 15 Sep 2018 03:55

Instrument :

MSVOA_W

ClientSampleId :

VW0916SBSD01

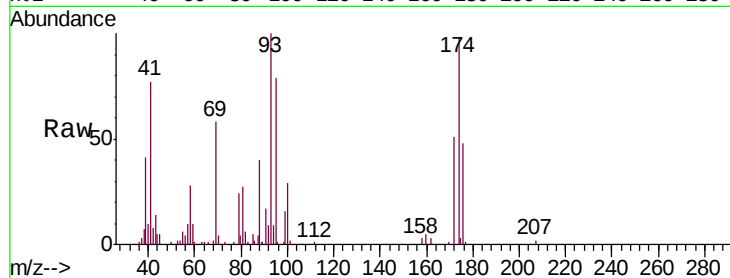
Tgt Ion: 88 Resp: 8092

Ion Ratio Lower Upper

88 100

43 32.1 0.0 0.0#

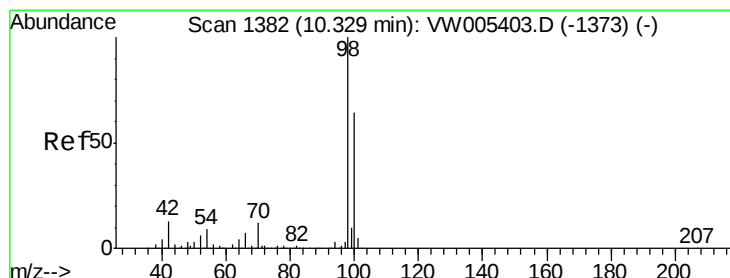
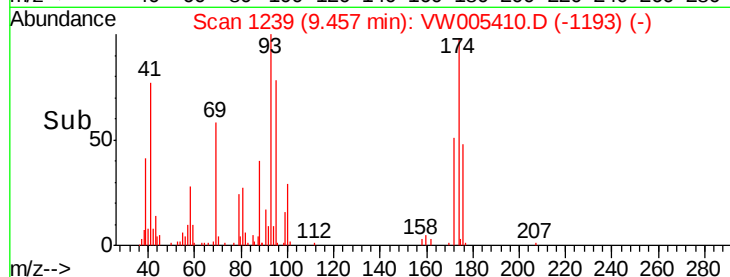
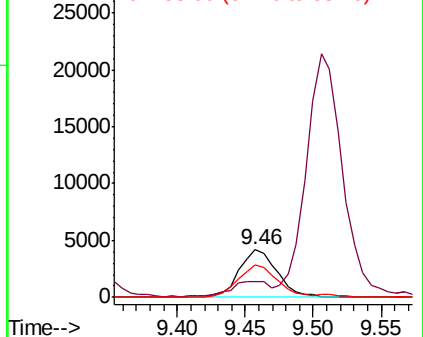
58 75.2 62.4 93.6



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 47.938 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005410.D

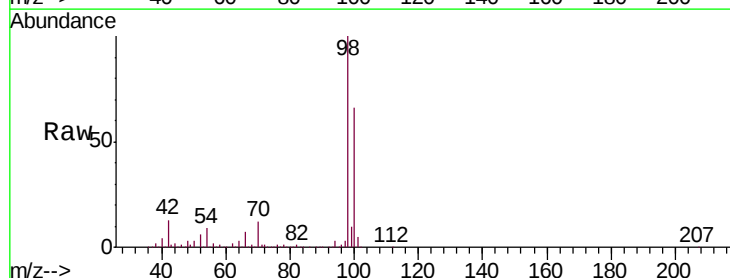
Acq: 15 Sep 2018 03:55

Tgt Ion: 98 Resp: 433363

Ion Ratio Lower Upper

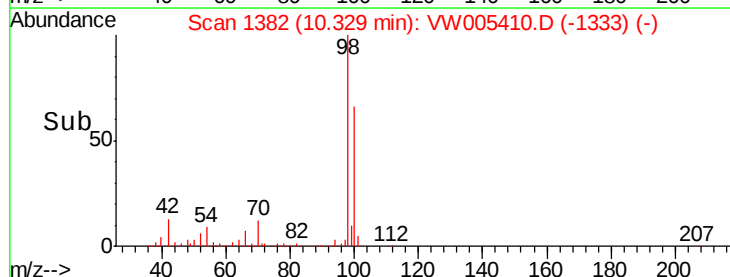
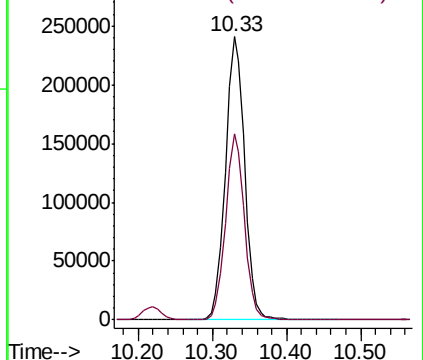
98 100

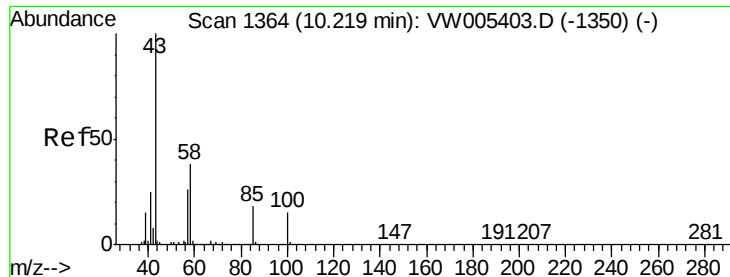
100 64.5 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

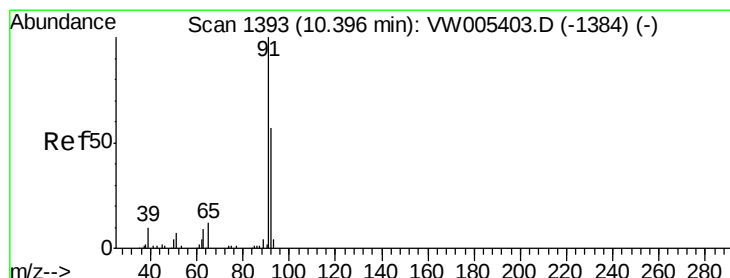
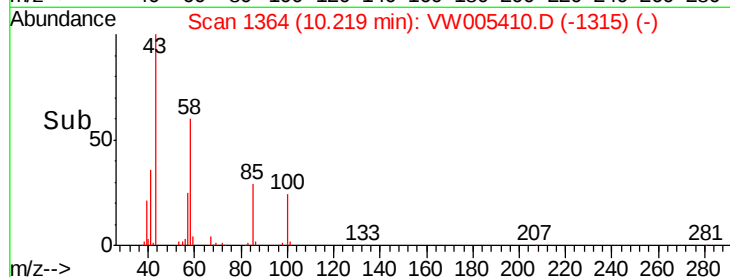
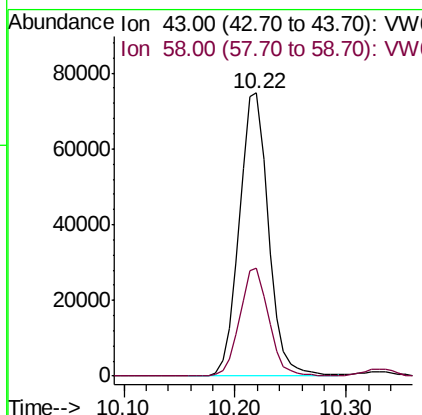
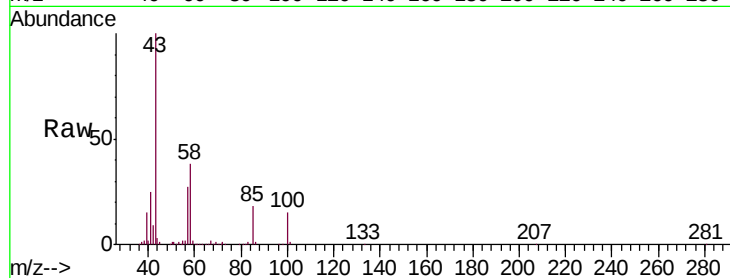




#51
 4-Methyl-2-Pentanone
 Concen: 100.278 ug/l
 RT: 10.22 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VW005410.D
 Acq: 15 Sep 2018 03:55

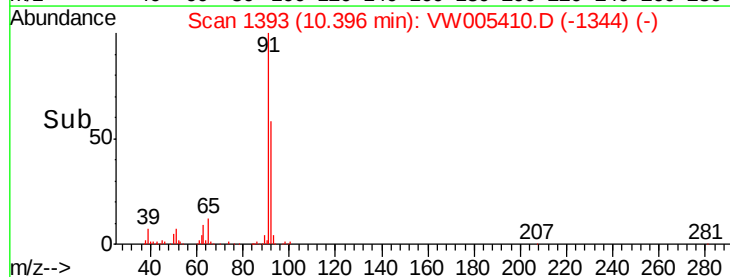
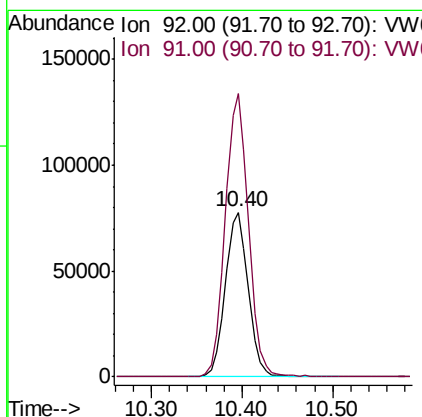
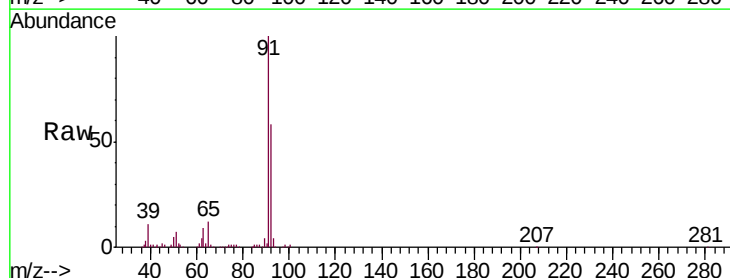
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0916SBSD01

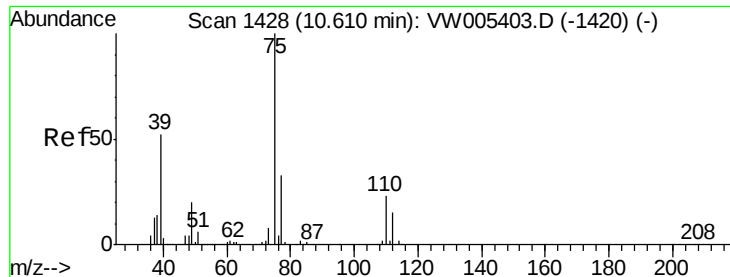
Tgt Ion: 43 Resp: 136507
 Ion Ratio Lower Upper
 43 100
 58 37.8 29.9 44.9



#52
 Toluene
 Concen: 20.845 ug/l
 RT: 10.40 min Scan# 1393
 Delta R.T. -0.00 min
 Lab File: VW005410.D
 Acq: 15 Sep 2018 03:55

Tgt Ion: 92 Resp: 136248
 Ion Ratio Lower Upper
 92 100
 91 174.2 139.1 208.7





#53

t-1,3-Dichloropropene

Concen: 20.293 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW005410.D

Acq: 15 Sep 2018 03:55

Instrument :

MSVOA_W

ClientSampleId :

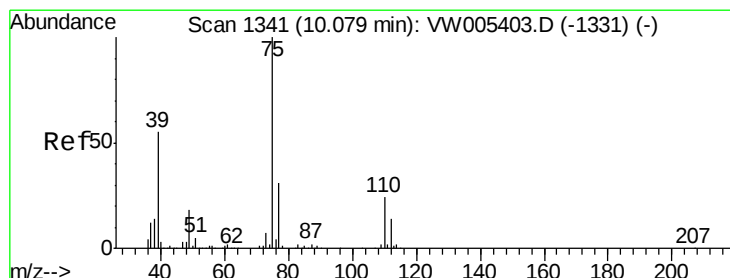
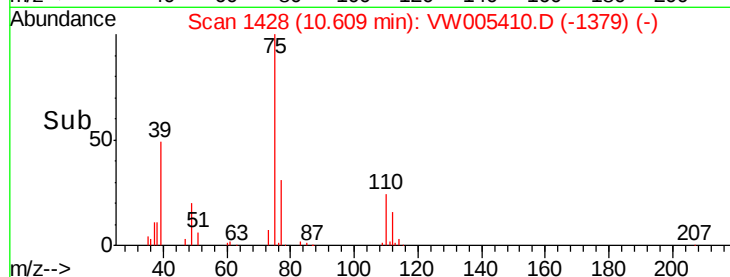
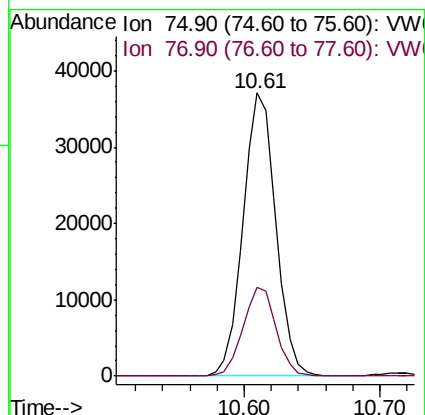
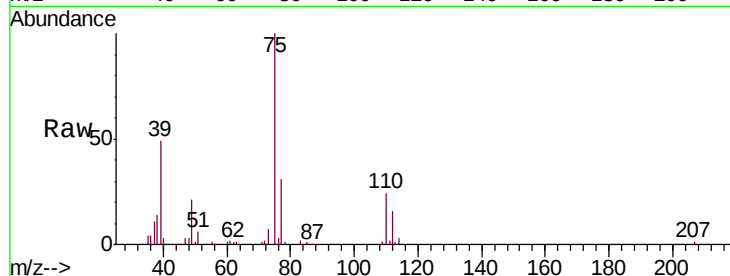
VW0916SBSD01

Tgt Ion: 75 Resp: 62420

Ion Ratio Lower Upper

75 100

77 31.4 26.5 39.7



#54

cis-1,3-Dichloropropene

Concen: 20.794 ug/l

RT: 10.08 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VW005410.D

Acq: 15 Sep 2018 03:55

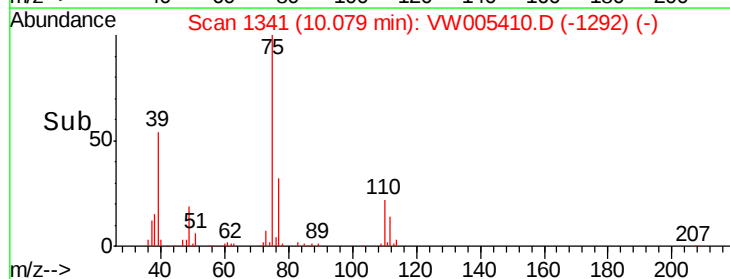
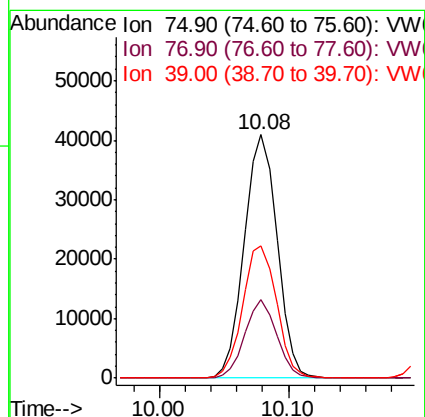
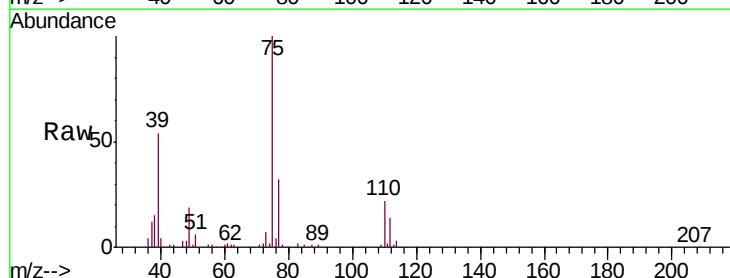
Tgt Ion: 75 Resp: 72419

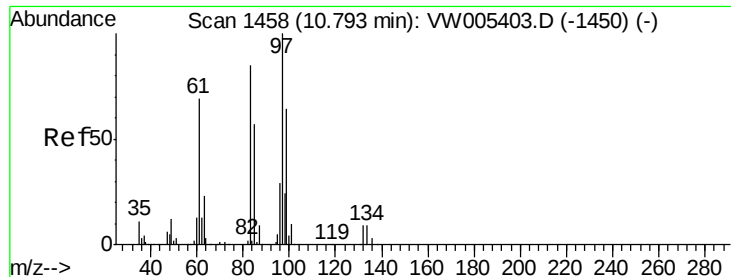
Ion Ratio Lower Upper

75 100

77 32.3 25.0 37.4

39 54.2 44.2 66.2





#55

1,1,2-Trichloroethane

Concen: 20.042 ug/l

RT: 10.79 min Scan# 1458

Delta R.T. -0.00 min

Lab File: VW005410.D

Acq: 15 Sep 2018 03:55

Instrument :

MSVOA_W

ClientSampleId :

VW0916SBSD01

Tgt Ion: 97 Resp: 33791

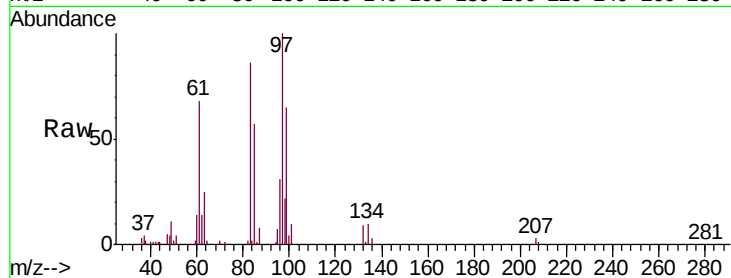
Ion Ratio Lower Upper

97 100

83 85.3 67.8 101.8

85 56.5 45.4 68.0

99 65.1 51.5 77.3

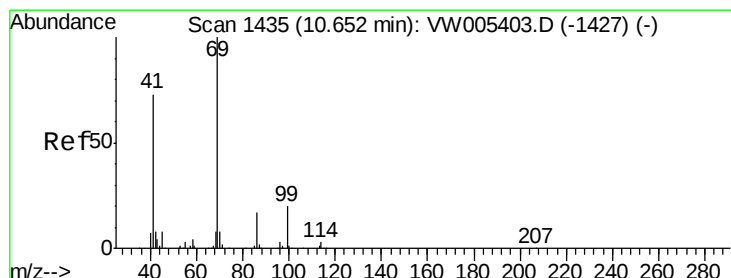
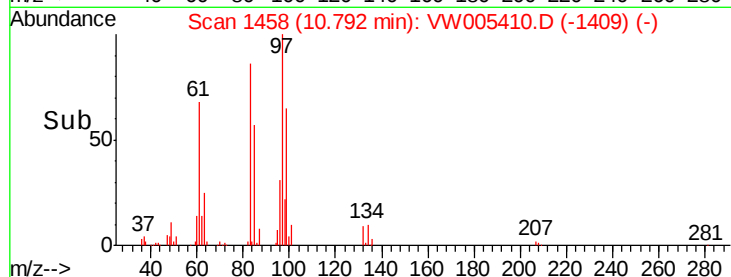
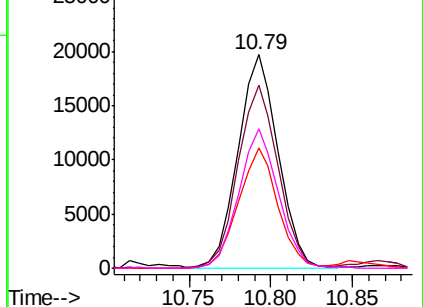


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 20.397 ug/l

RT: 10.65 min Scan# 1435

Delta R.T. -0.00 min

Lab File: VW005410.D

Acq: 15 Sep 2018 03:55

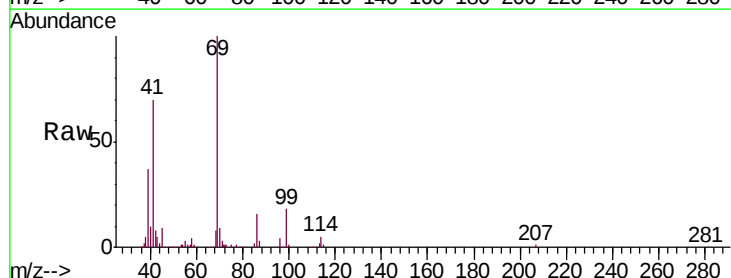
Tgt Ion: 69 Resp: 43528

Ion Ratio Lower Upper

69 100

41 71.8 59.3 88.9

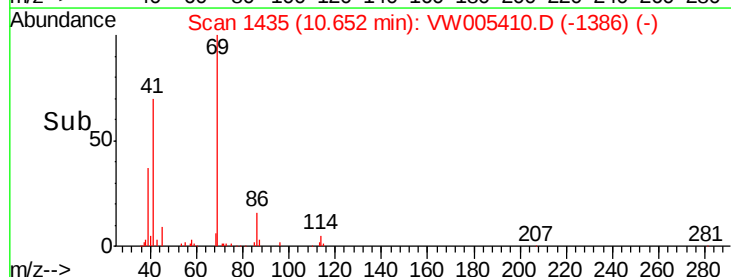
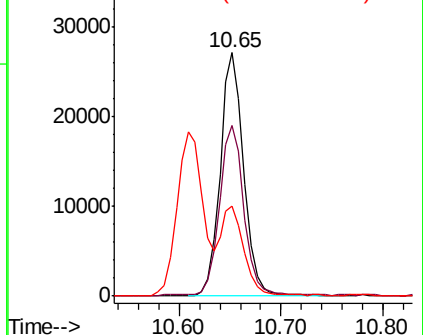
39 35.4 30.2 45.4

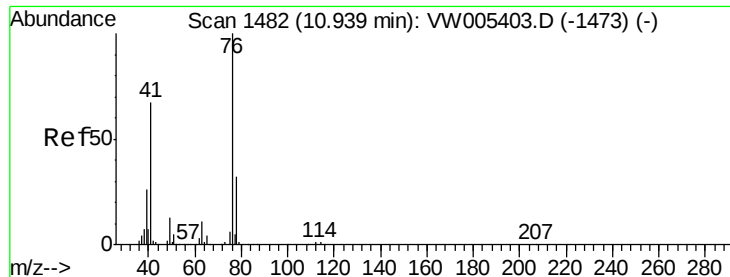


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 20.636 ug/l

RT: 10.94 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VW005410.D

Acq: 15 Sep 2018 03:55

Instrument :

MSVOA_W

ClientSampleId :

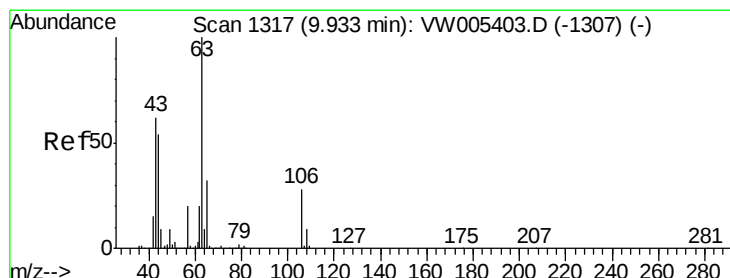
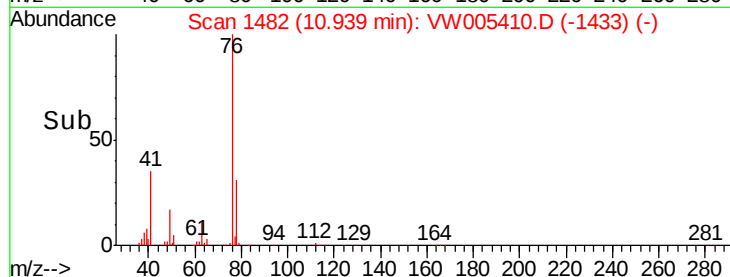
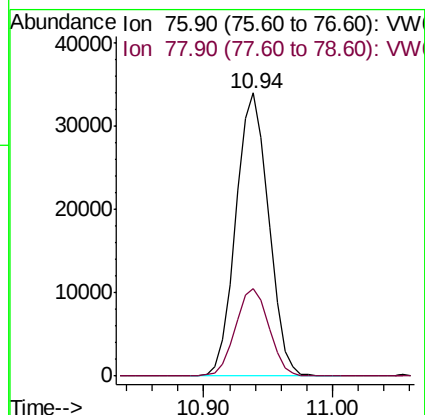
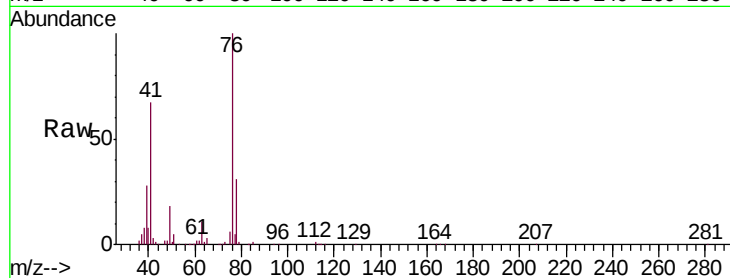
VW0916SBSD01

Tgt Ion: 76 Resp: 60057

Ion Ratio Lower Upper

76 100

78 31.6 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 103.498 ug/l

RT: 9.93 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VW005410.D

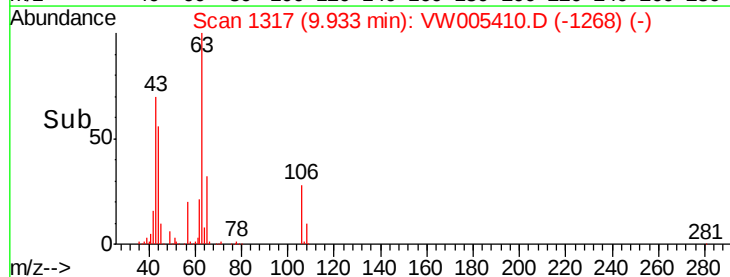
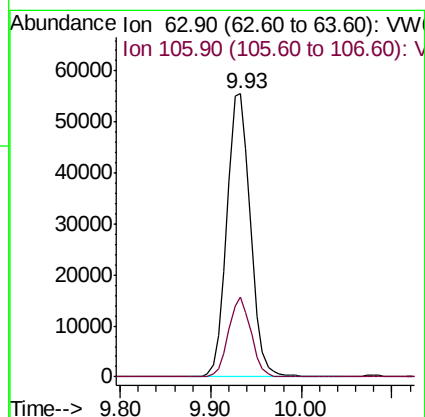
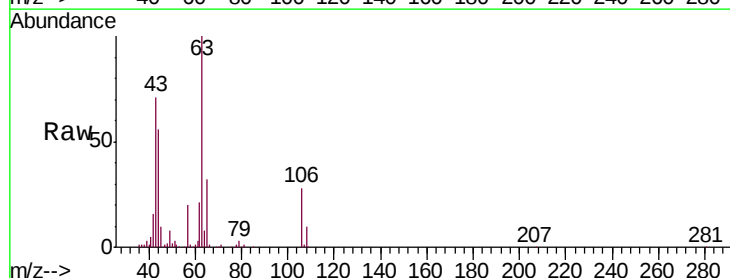
Acq: 15 Sep 2018 03:55

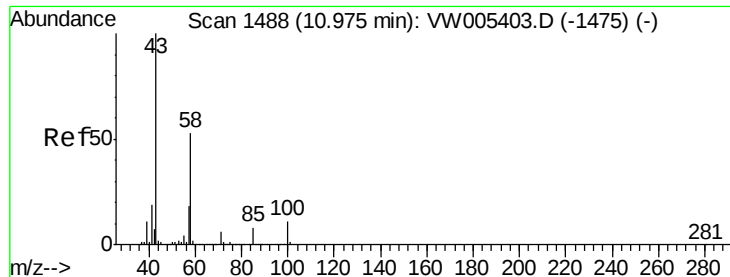
Tgt Ion: 63 Resp: 99897

Ion Ratio Lower Upper

63 100

106 26.9 22.0 33.0

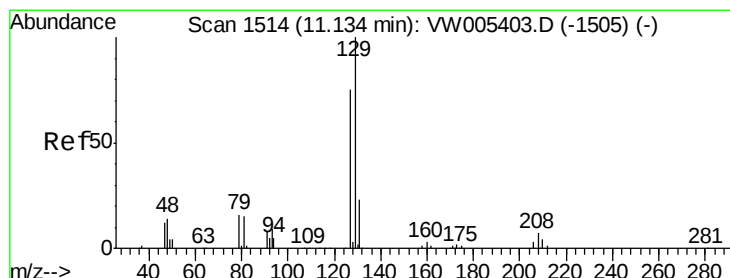
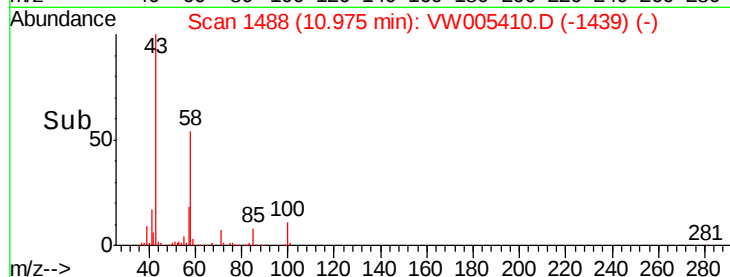
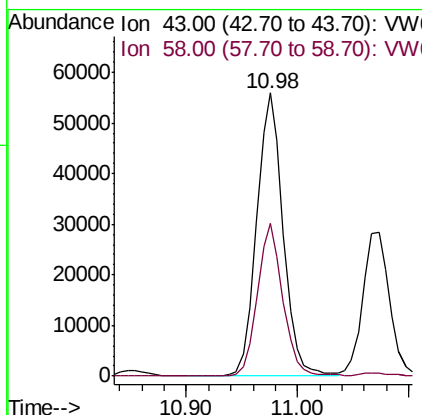
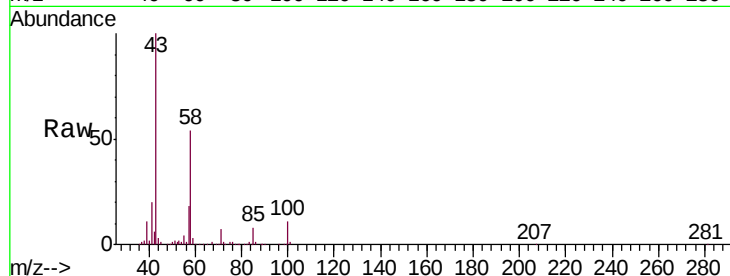




#59
2-Hexanone
Concen: 99.819 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VW005410.D
Acq: 15 Sep 2018 03:55

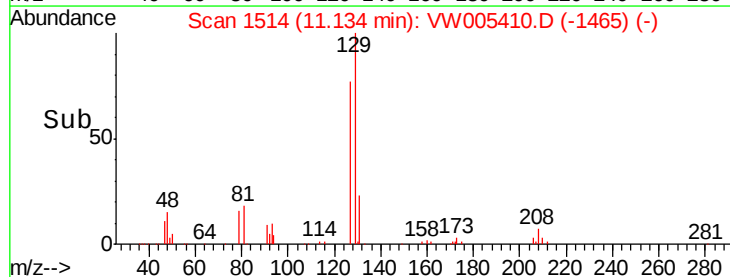
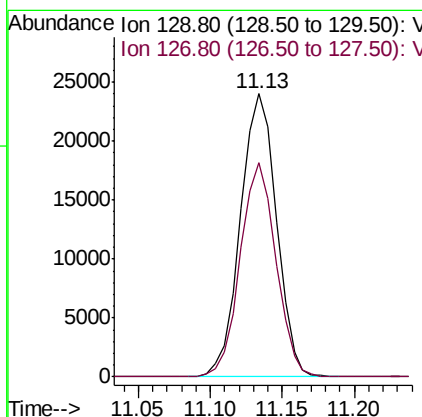
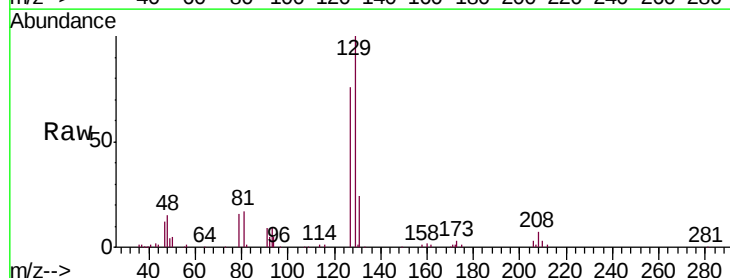
Instrument :
MSVOA_W
ClientSampleId :
VW0916SBSD01

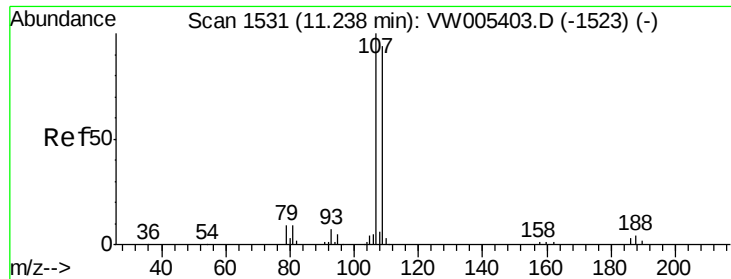
Tgt Ion: 43 Resp: 92559
Ion Ratio Lower Upper
43 100
58 51.8 25.5 76.5



#60
Dibromochloromethane
Concen: 20.523 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VW005410.D
Acq: 15 Sep 2018 03:55

Tgt Ion: 129 Resp: 41633
Ion Ratio Lower Upper
129 100
127 74.9 38.5 115.3





#61

1,2-Dibromoethane

Concen: 20.111 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW005410.D

Acq: 15 Sep 2018 03:55

Instrument :

MSVOA_W

ClientSampleId :

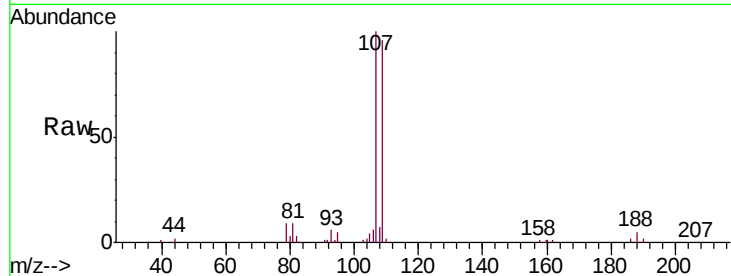
VW0916SBSD01

Tgt Ion: 107 Resp: 30410

Ion Ratio Lower Upper

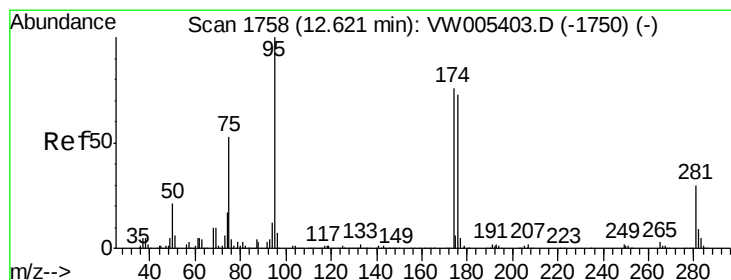
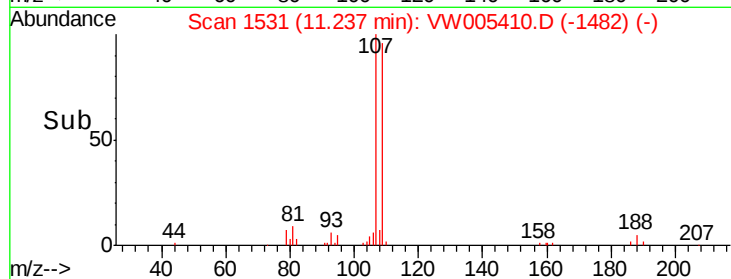
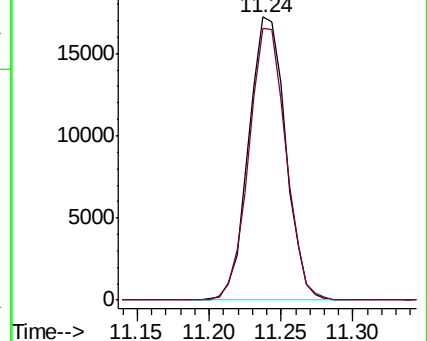
107 100

109 96.6 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.347 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.01 min

Lab File: VW005410.D

Acq: 15 Sep 2018 03:55

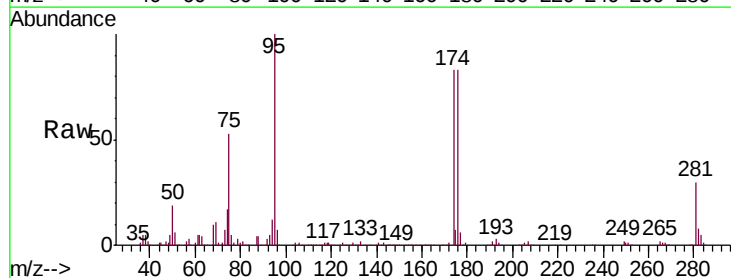
Tgt Ion: 95 Resp: 156941

Ion Ratio Lower Upper

95 100

174 82.6 0.0 161.2

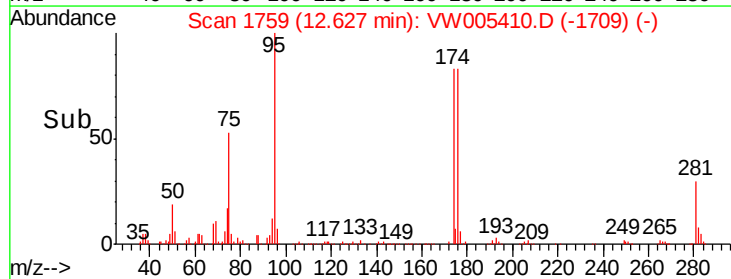
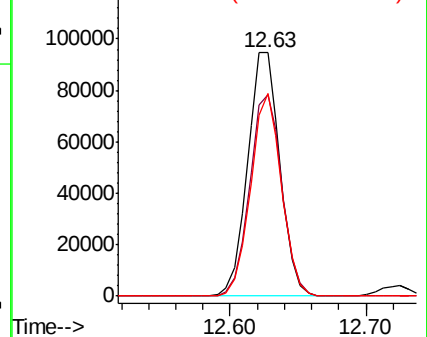
176 79.8 0.0 156.6

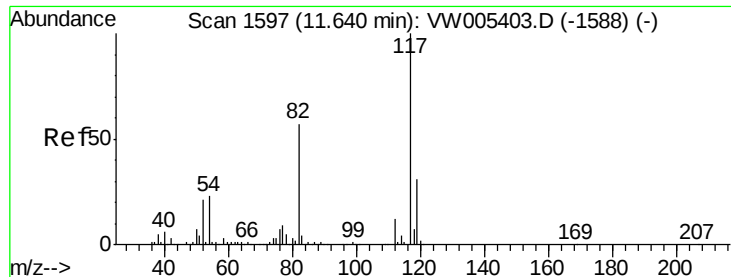


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

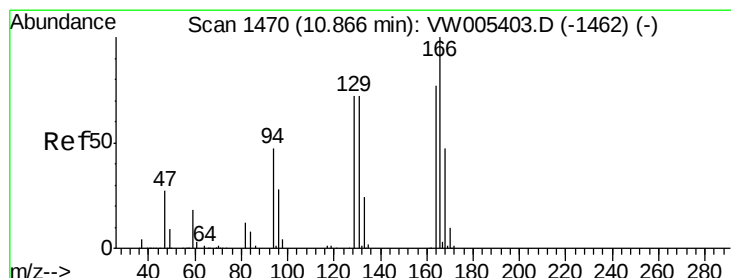
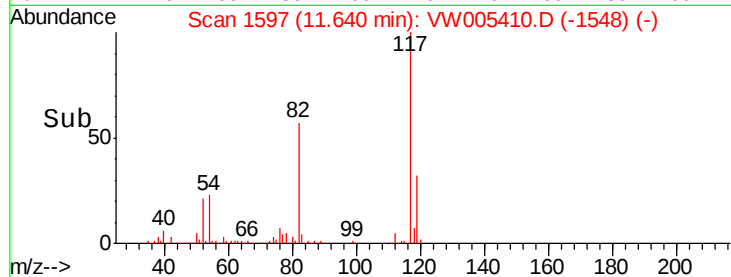
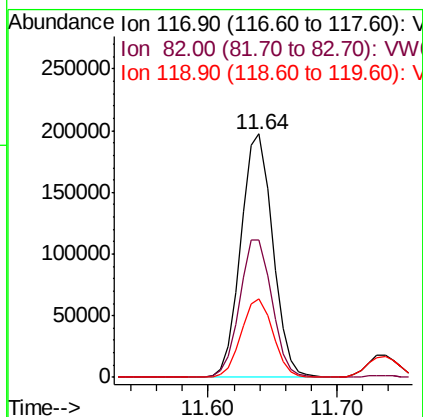
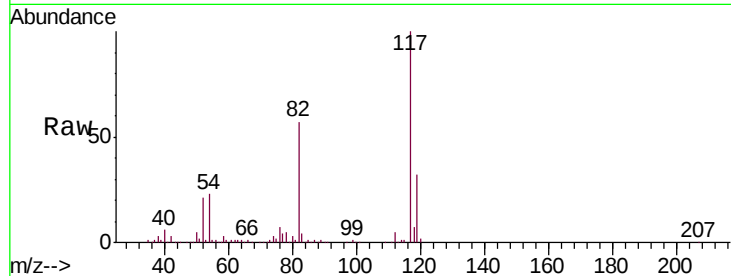




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VW005410.D
Acq: 15 Sep 2018 03:55

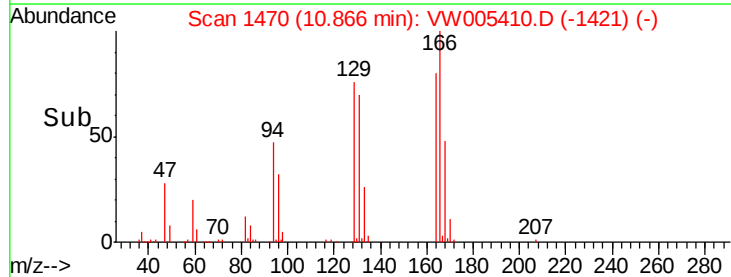
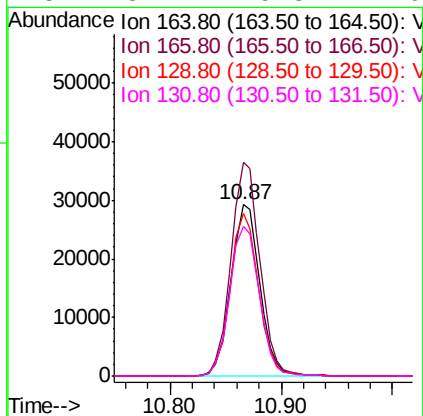
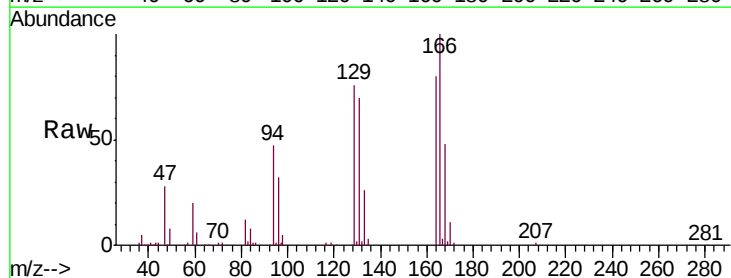
Instrument :
MSVOA_W
ClientSampleId :
VW0916SBSD01

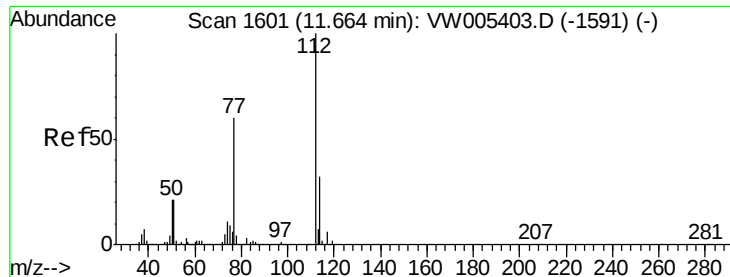
Tgt Ion:117 Resp: 338235
Ion Ratio Lower Upper
117 100
82 56.5 45.9 68.9
119 32.4 24.8 37.2



#64
Tetrachloroethene
Concen: 21.059 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW005410.D
Acq: 15 Sep 2018 03:55

Tgt Ion:164 Resp: 52642
Ion Ratio Lower Upper
164 100
166 124.9 104.0 156.0
129 94.8 74.9 112.3
131 87.7 75.3 112.9

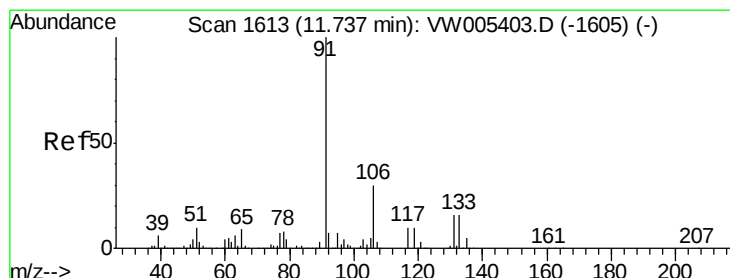
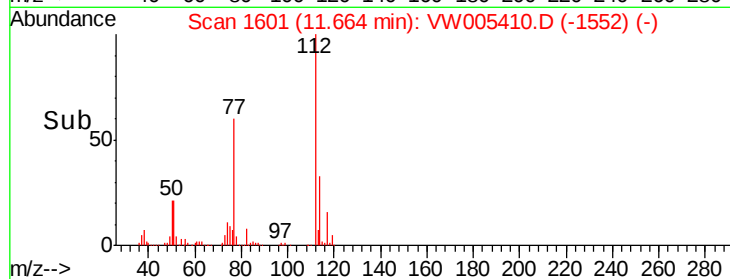
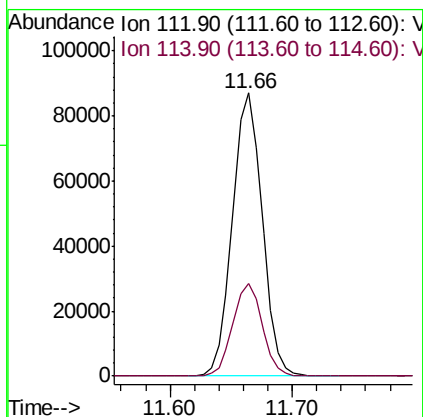
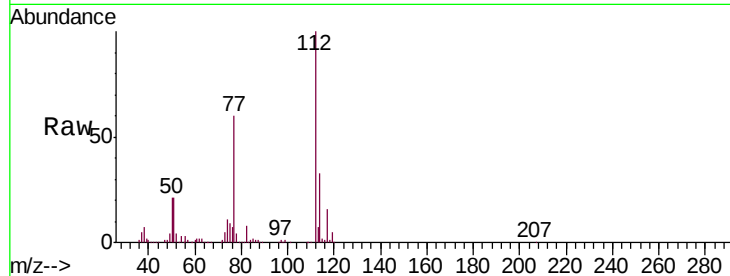




#65
Chlorobenzene
Concen: 20.427 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VW005410.D
Acq: 15 Sep 2018 03:55

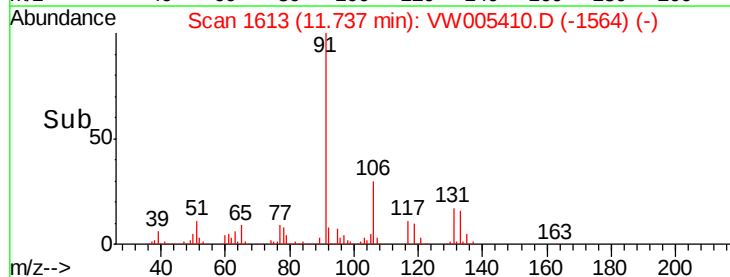
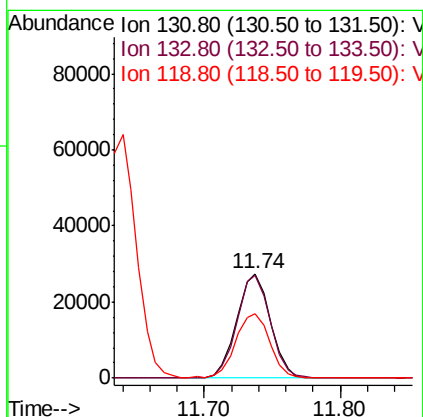
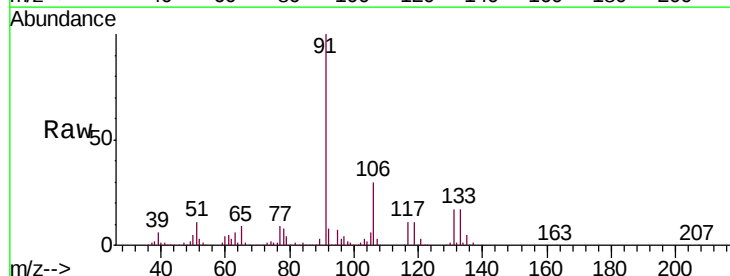
Instrument :
MSVOA_W
ClientSampleId :
VW0916SBSD01

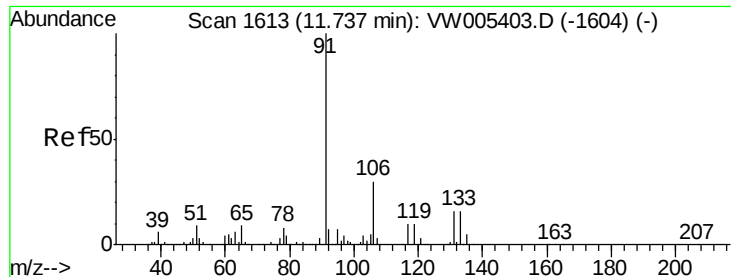
Tgt Ion:112 Resp: 146631
Ion Ratio Lower Upper
112 100
114 32.9 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.612 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW005410.D
Acq: 15 Sep 2018 03:55

Tgt Ion:131 Resp: 47292
Ion Ratio Lower Upper
131 100
133 97.8 47.3 141.9
119 62.9 31.1 93.5

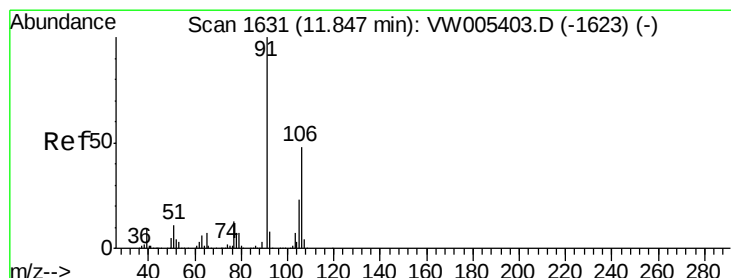
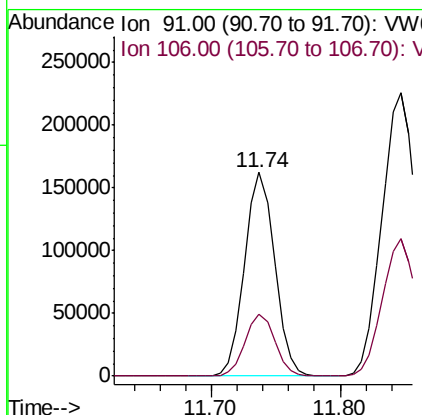
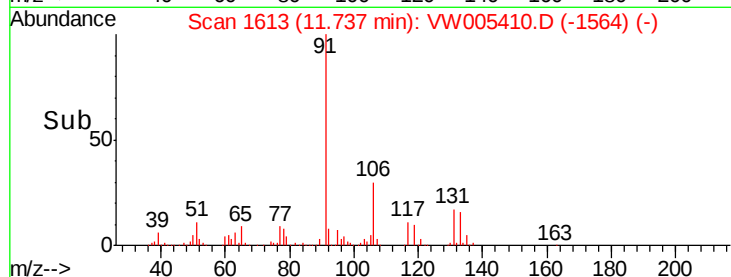
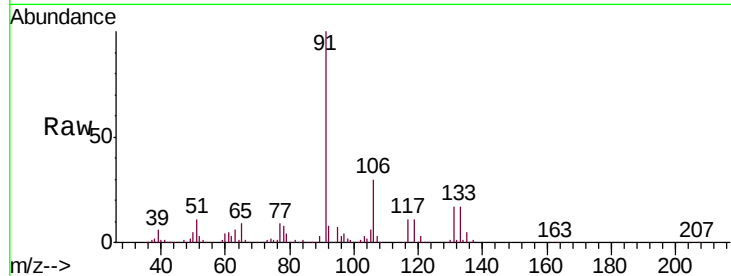




#67
Ethyl Benzene
Concen: 20.767 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW005410.D
Acq: 15 Sep 2018 03:55

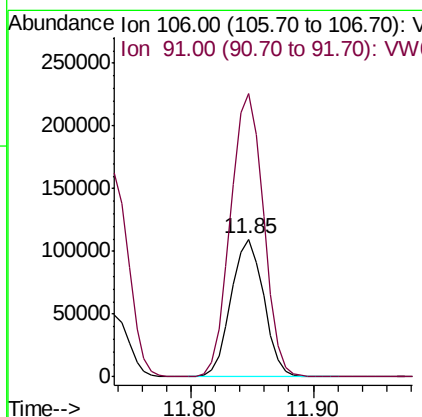
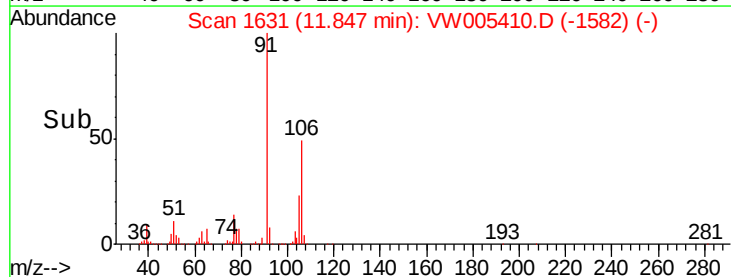
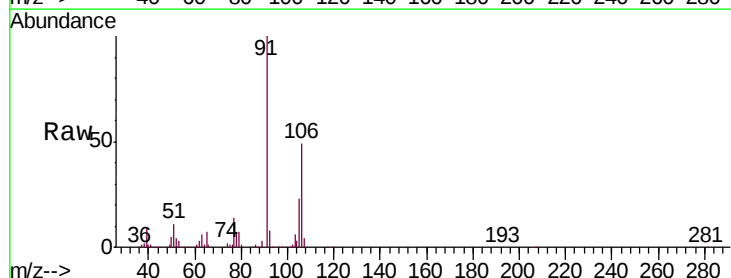
Instrument :
MSVOA_W
ClientSampleId :
VW0916SBSD01

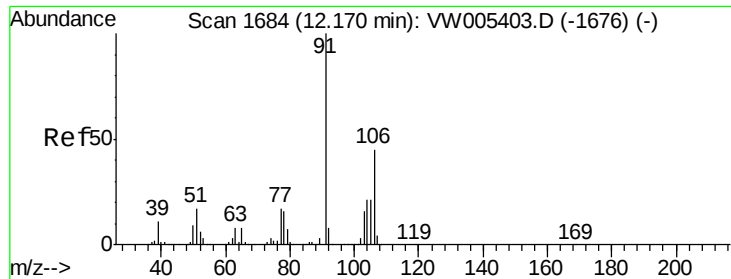
Tgt Ion: 91 Resp: 262161
Ion Ratio Lower Upper
91 100
106 30.5 24.2 36.4



#68
m/p-Xylenes
Concen: 41.890 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VW005410.D
Acq: 15 Sep 2018 03:55

Tgt Ion: 106 Resp: 203523
Ion Ratio Lower Upper
106 100
91 208.1 167.9 251.9

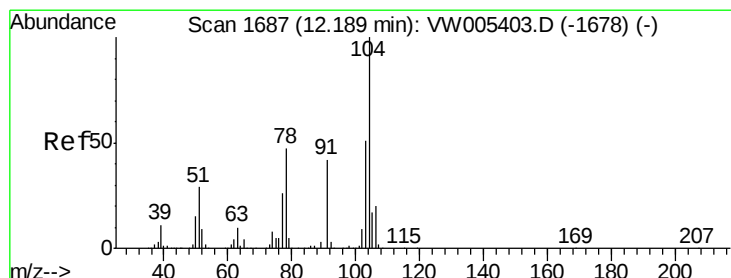
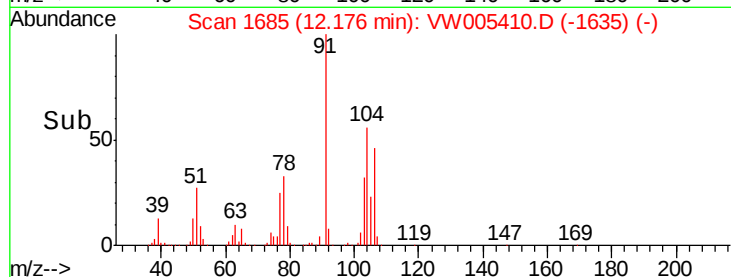
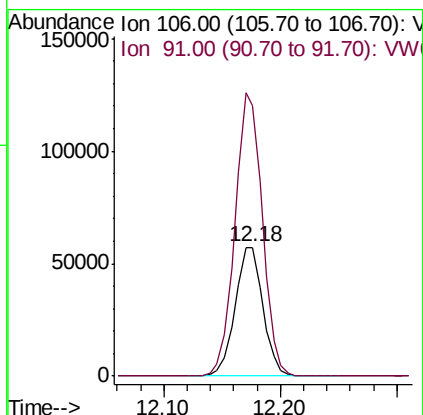
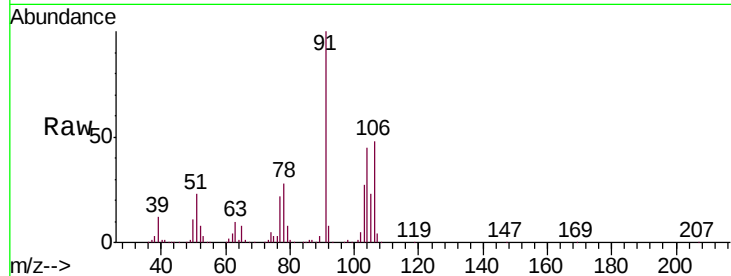




#69
o-Xylene
Concen: 21.011 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. 0.01 min
Lab File: VW005410.D
Acq: 15 Sep 2018 03:55

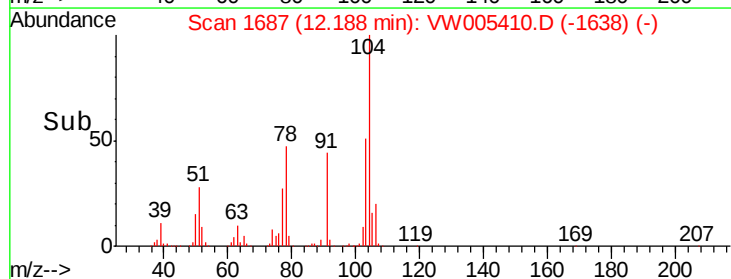
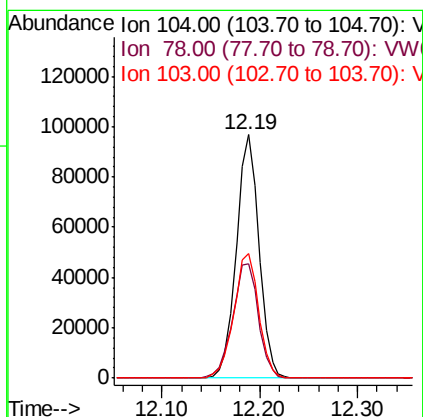
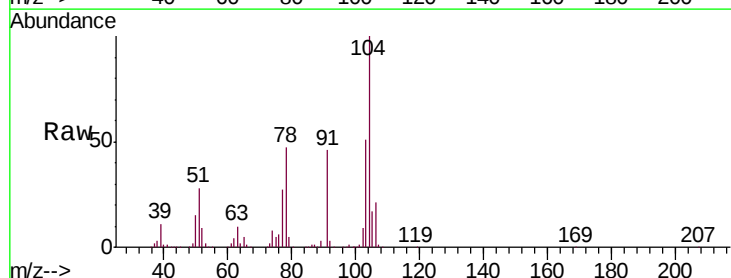
Instrument :
MSVOA_W
ClientSampleId :
VW0916SBSD01

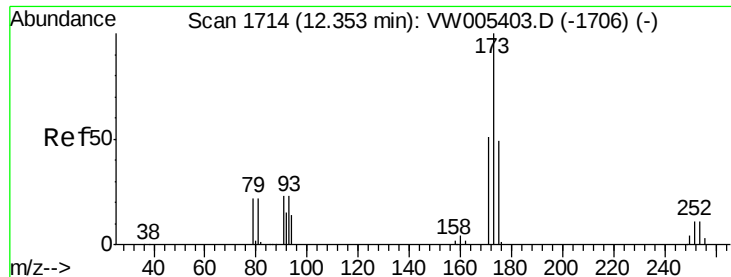
Tgt Ion:106 Resp: 95060
Ion Ratio Lower Upper
106 100
91 217.1 110.6 331.6



#70
Styrene
Concen: 20.866 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VW005410.D
Acq: 15 Sep 2018 03:55

Tgt Ion:104 Resp: 155798
Ion Ratio Lower Upper
104 100
78 53.4 42.4 63.6
103 55.7 44.8 67.2

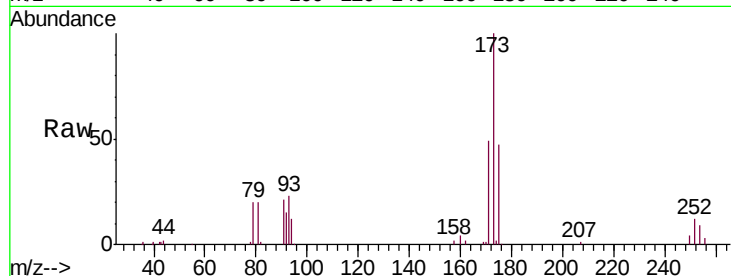




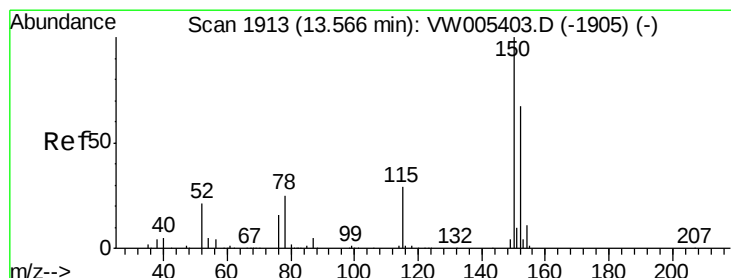
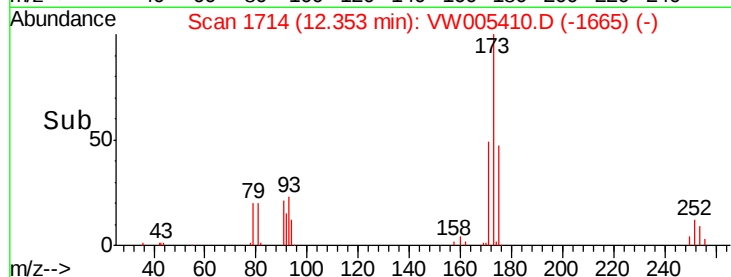
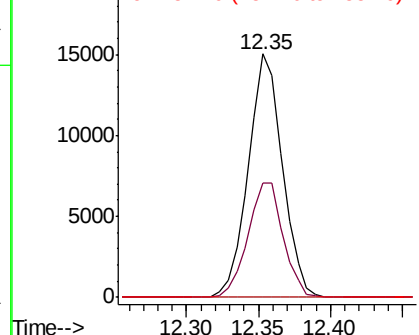
#71
Bromoform
Concen: 20.250 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. -0.00 min
Lab File: VW005410.D
Acq: 15 Sep 2018 03:55

Instrument :
MSVOA_W
ClientSampleId :
VW0916SBSD01

Tgt Ion:173 Resp: 24578
Ion Ratio Lower Upper
173 100
175 48.8 24.2 72.6
254 0.0 0.0 0.0

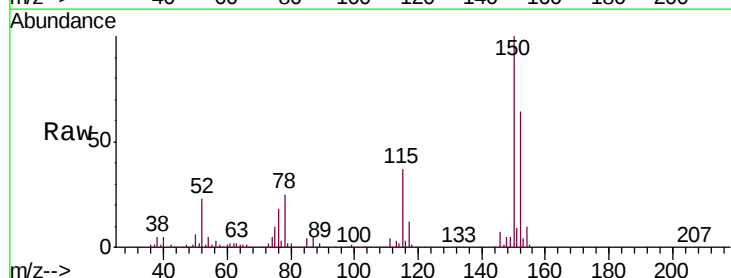


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

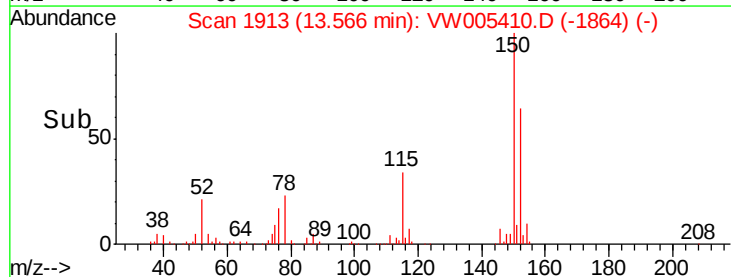
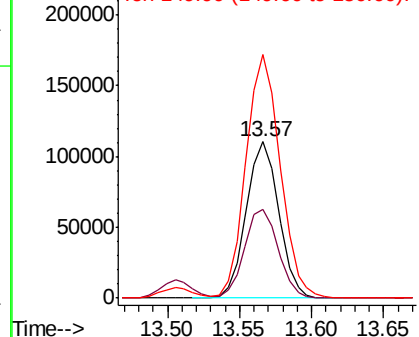


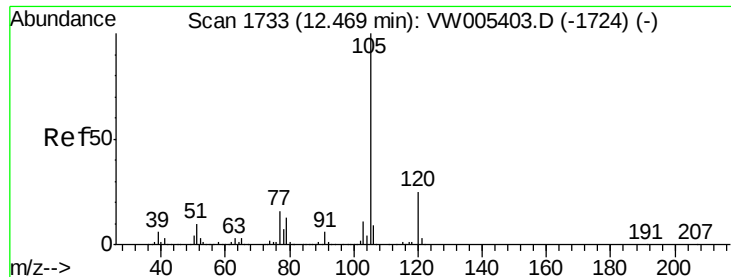
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW005410.D
Acq: 15 Sep 2018 03:55

Tgt Ion:152 Resp: 172093
Ion Ratio Lower Upper
152 100
115 59.3 29.5 88.5
150 164.2 0.0 345.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.562 ug/l

RT: 12.47 min Scan# 1734

Delta R.T. 0.01 min

Lab File: VW005410.D

Acq: 15 Sep 2018 03:55

Instrument :

MSVOA_W

ClientSampleId :

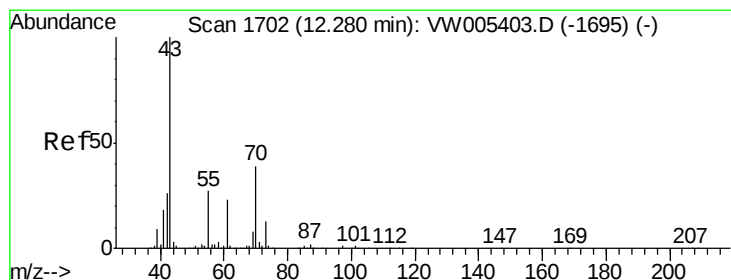
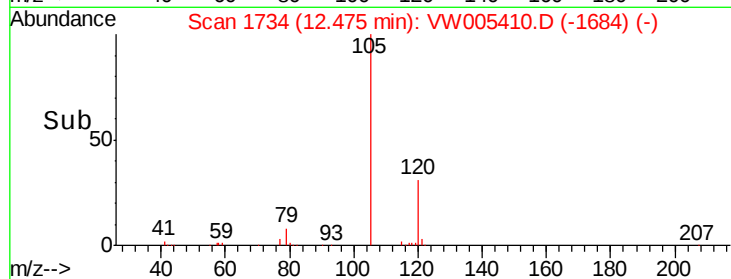
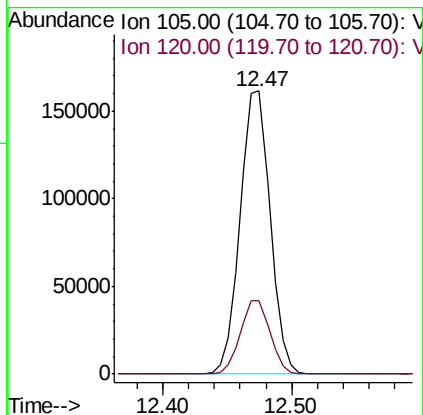
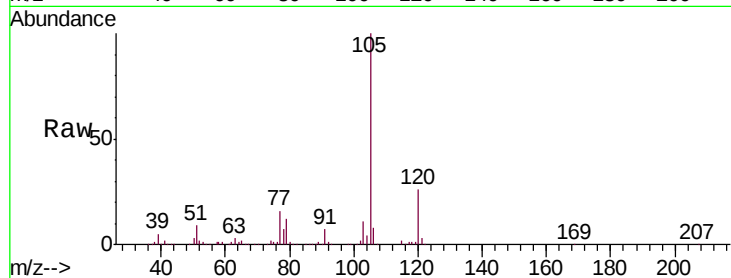
VW0916SBSD01

Tgt Ion:105 Resp: 260337

Ion Ratio Lower Upper

105 100

120 25.9 12.9 38.6



#74

N-ethyl acetate

Concen: 20.100 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VW005410.D

Acq: 15 Sep 2018 03:55

Tgt Ion: 43 Resp: 51137

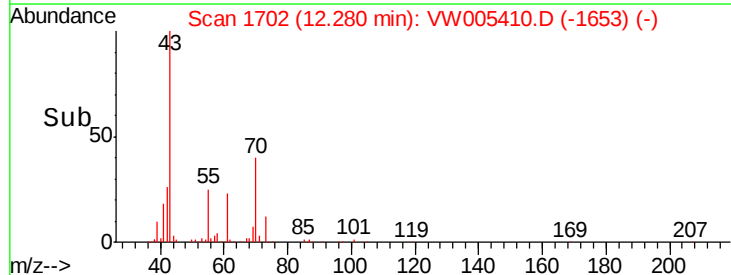
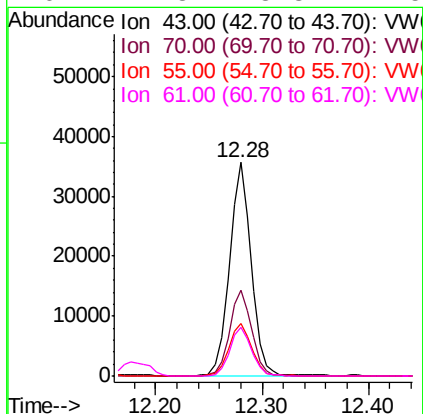
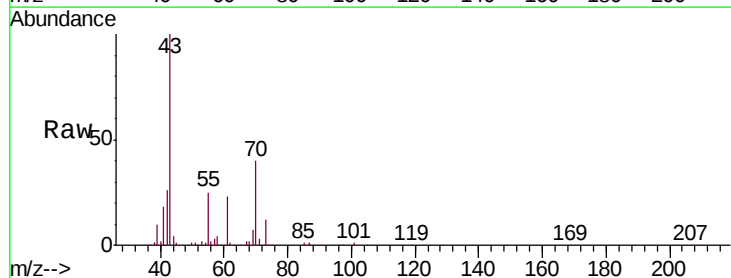
Ion Ratio Lower Upper

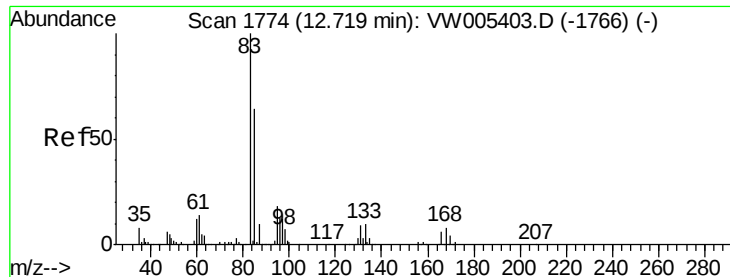
43 100

70 40.9 31.9 47.9

55 26.3 21.4 32.0

61 22.8 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.644 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW005410.D

Acq: 15 Sep 2018 03:55

Instrument :

MSVOA_W

ClientSampleId :

VW0916SBSD01

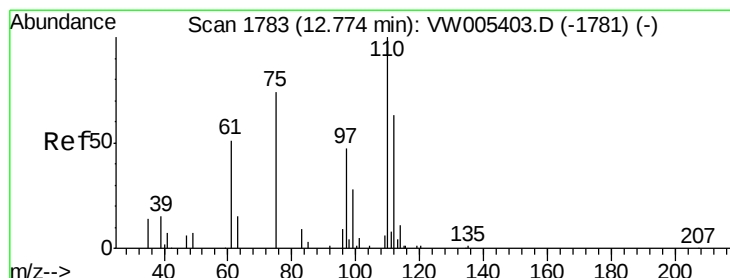
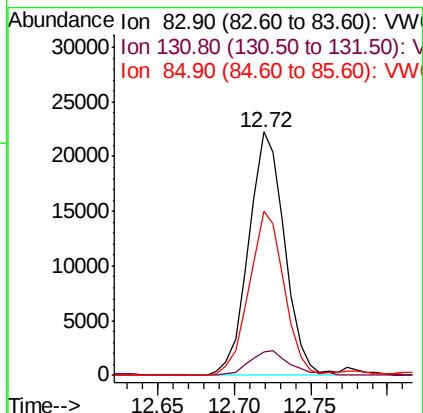
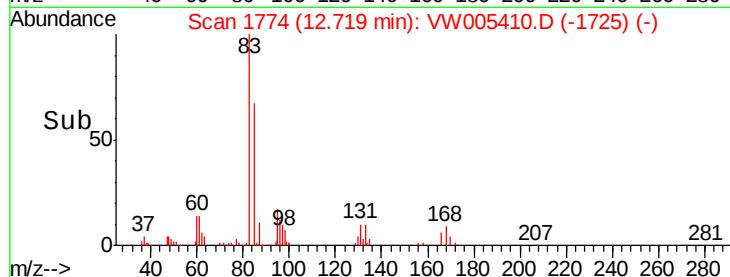
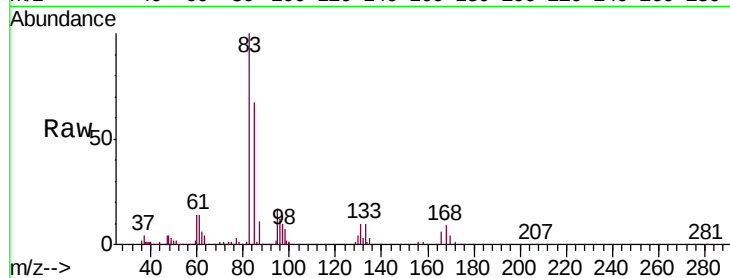
Tgt Ion: 83 Resp: 36361

Ion Ratio Lower Upper

83 100

131 11.6 5.7 17.1

85 66.1 31.6 95.0



#76

1,2,3-Trichloropropane

Concen: 37.151 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW005410.D

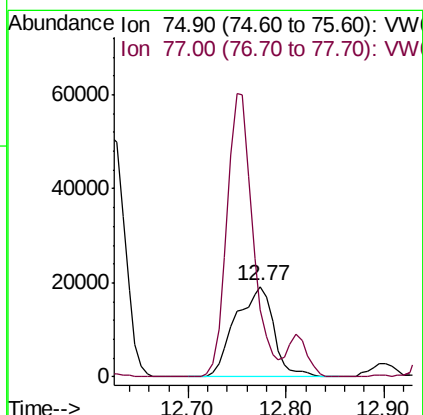
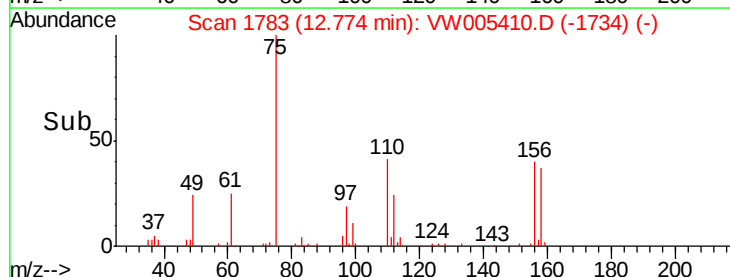
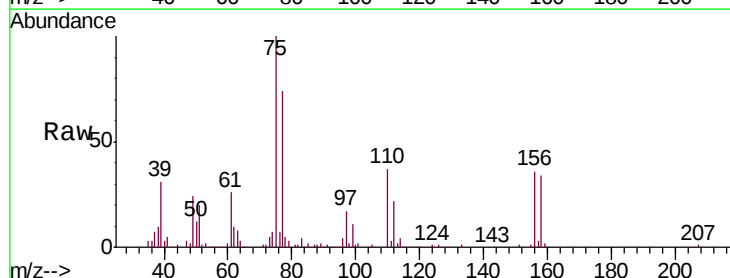
Acq: 15 Sep 2018 03:55

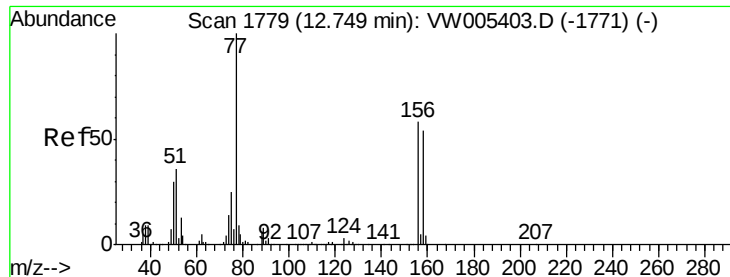
Tgt Ion: 75 Resp: 52585

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

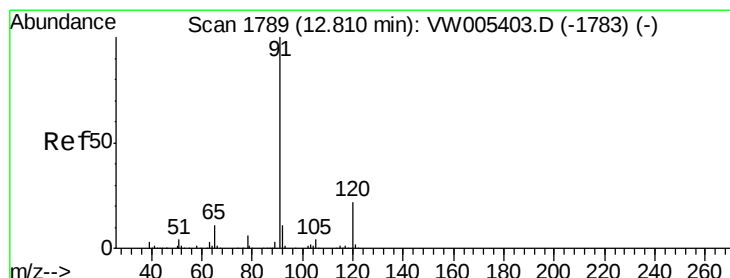
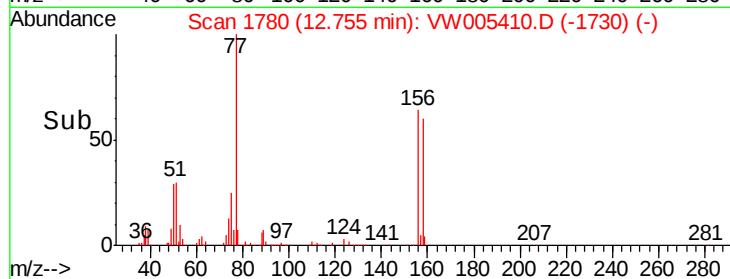
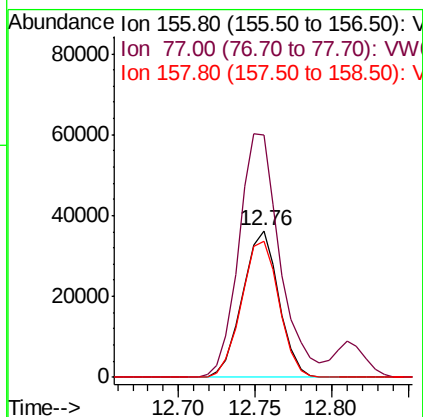
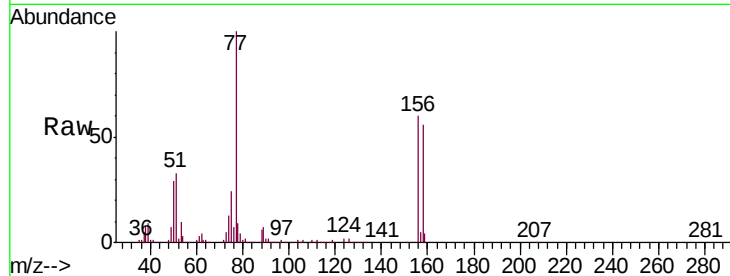




#77
Bromobenzene
Concen: 20.948 ug/l
RT: 12.76 min Scan# 1780
Delta R.T. 0.01 min
Lab File: VW005410.D
Acq: 15 Sep 2018 03:55

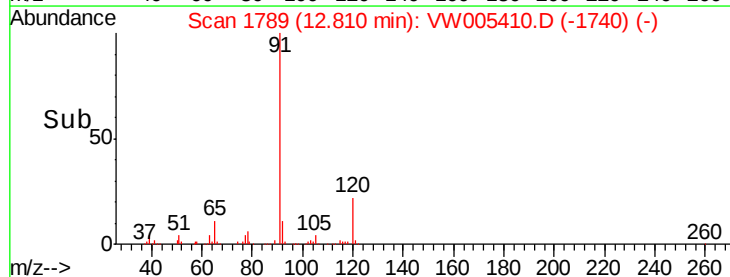
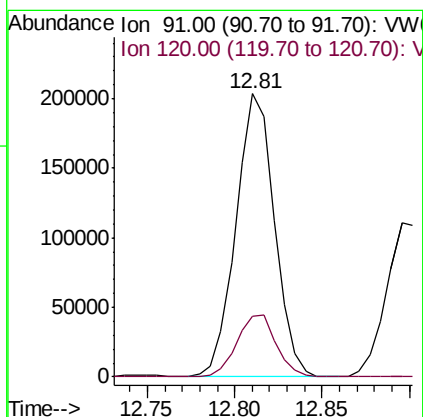
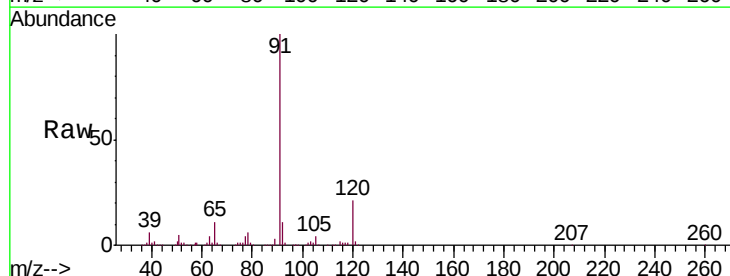
Instrument :
MSVOA_W
ClientSampleId :
VW0916SBSD01

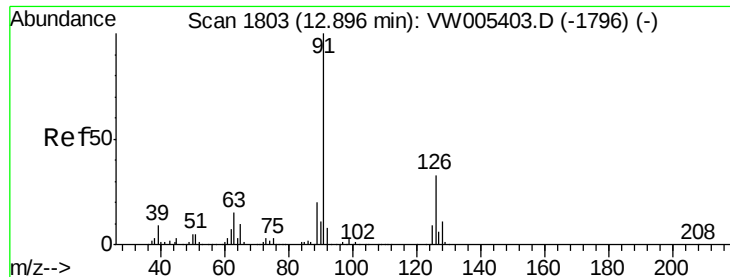
Tgt Ion:156 Resp: 59796
Ion Ratio Lower Upper
156 100
77 187.0 92.8 278.3
158 95.9 48.2 144.6



#78
n-propylbenzene
Concen: 21.437 ug/l
RT: 12.81 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VW005410.D
Acq: 15 Sep 2018 03:55

Tgt Ion: 91 Resp: 312365
Ion Ratio Lower Upper
91 100
120 22.3 11.3 33.8

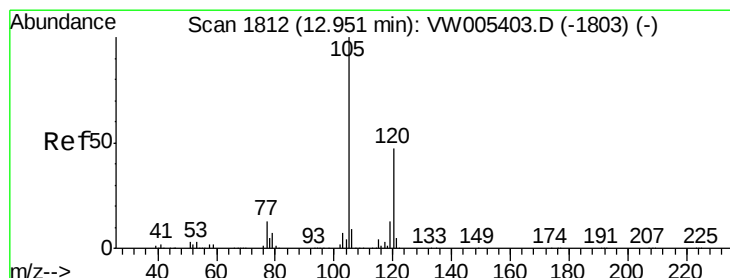
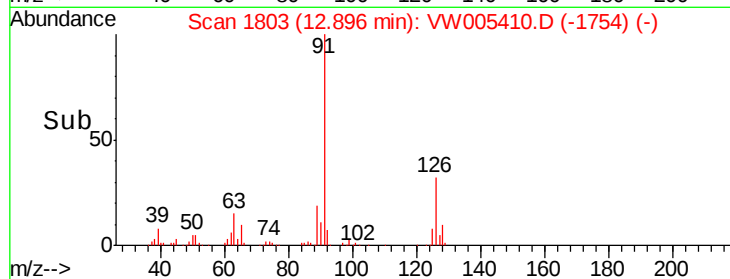
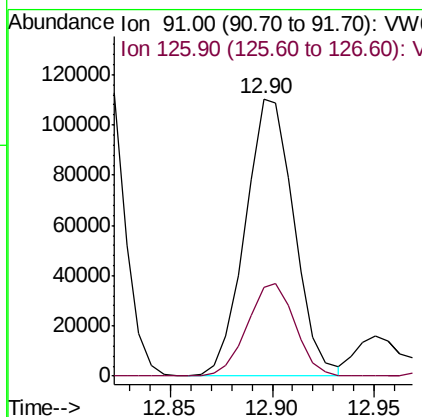
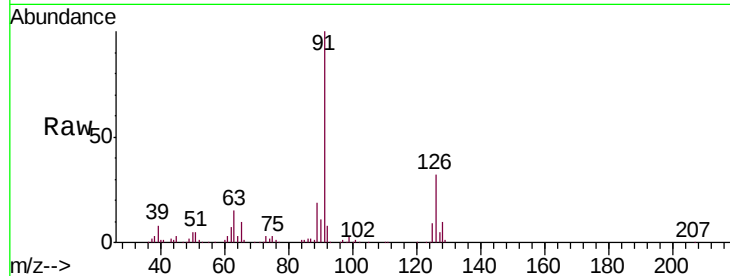




#79
 2-Chlorotoluene
 Concen: 21.363 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW005410.D
 Acq: 15 Sep 2018 03:55

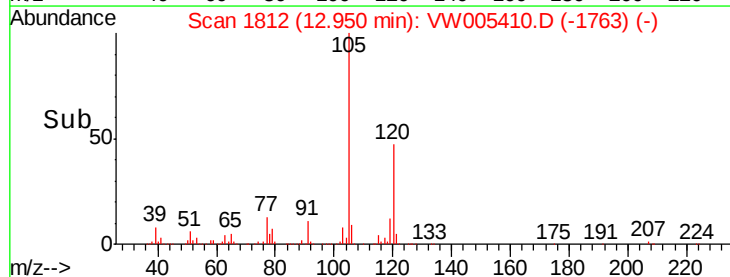
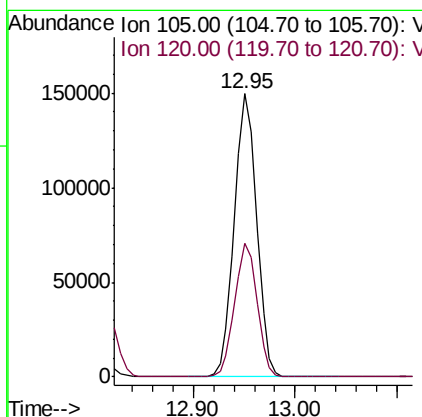
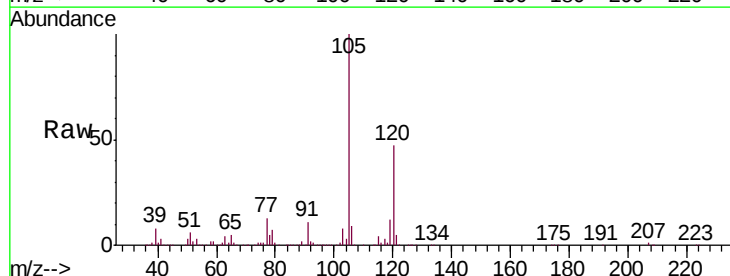
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0916SBSD01

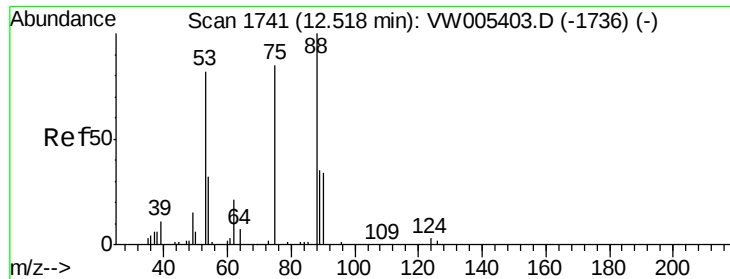
Tgt Ion: 91 Resp: 183647
 Ion Ratio Lower Upper
 91 100
 126 32.8 16.4 49.1



#80
 1,3,5-Trimethylbenzene
 Concen: 21.479 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: VW005410.D
 Acq: 15 Sep 2018 03:55

Tgt Ion: 105 Resp: 226273
 Ion Ratio Lower Upper
 105 100
 120 47.2 23.5 70.5

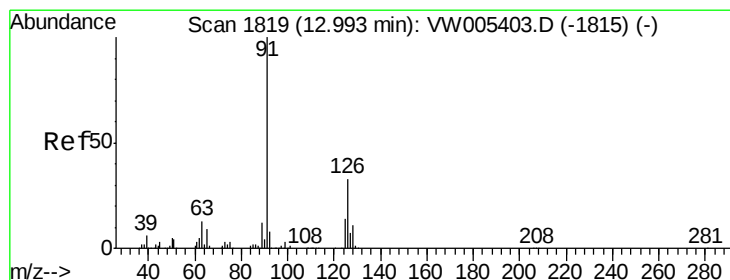
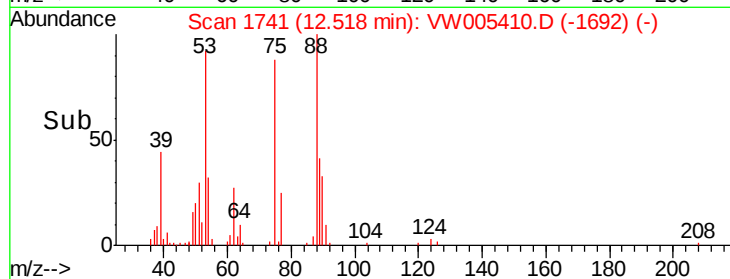
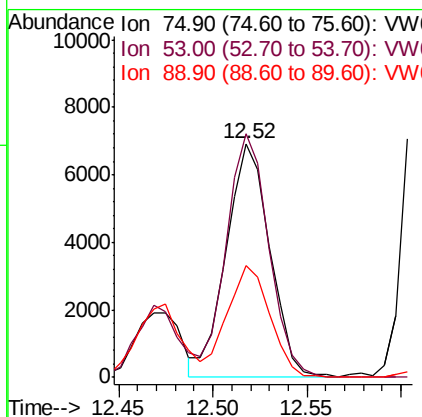
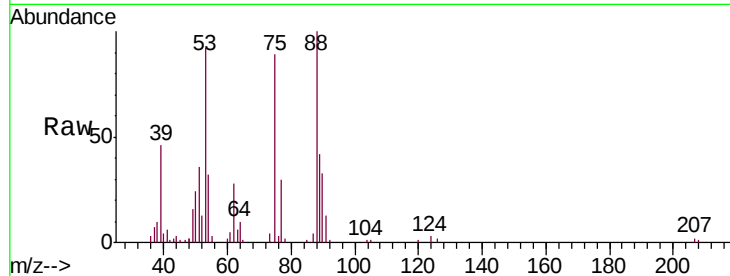




#81
trans-1,4-Dichloro-2-butene
Concen: 20.413 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VW005410.D
Acq: 15 Sep 2018 03:55

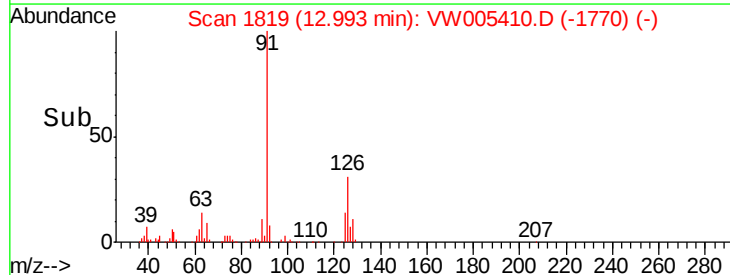
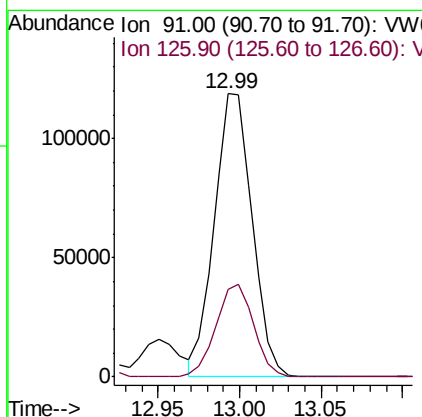
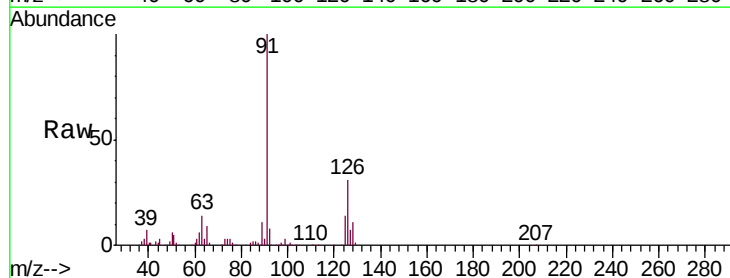
Instrument :
MSVOA_W
ClientSampleId :
VW0916SBSD01

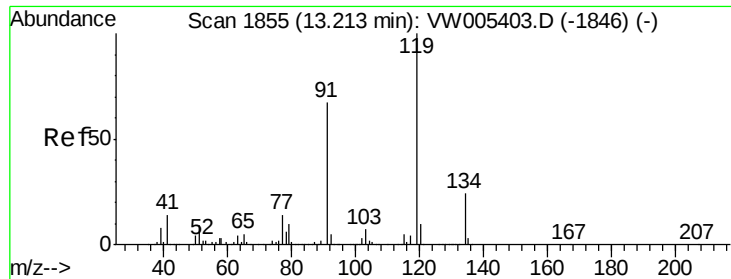
Tgt Ion: 75 Resp: 11138
Ion Ratio Lower Upper
75 100
53 100.4 83.2 124.8
89 47.1 36.6 54.8



#82
4-Chlorotoluene
Concen: 21.159 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW005410.D
Acq: 15 Sep 2018 03:55

Tgt Ion: 91 Resp: 192025
Ion Ratio Lower Upper
91 100
126 32.7 16.4 49.1

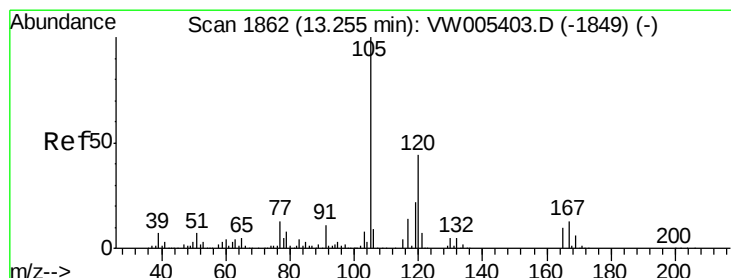
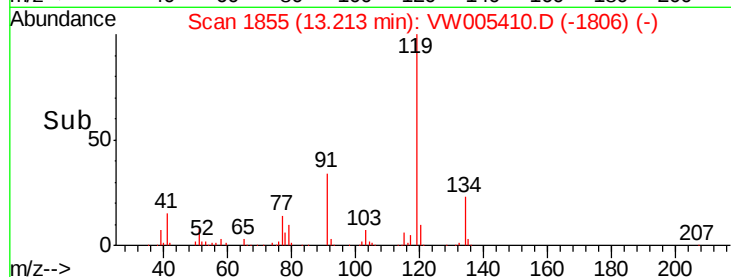
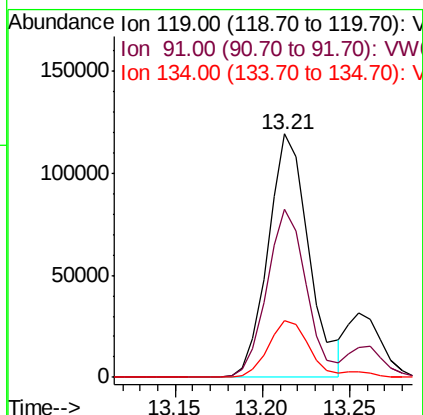
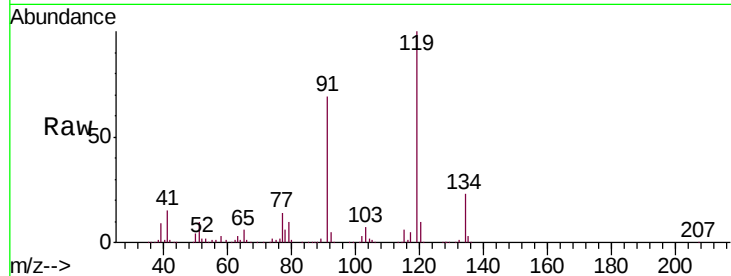




#83
 tert-Butylbenzene
 Concen: 22.203 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: VW005410.D
 Acq: 15 Sep 2018 03:55

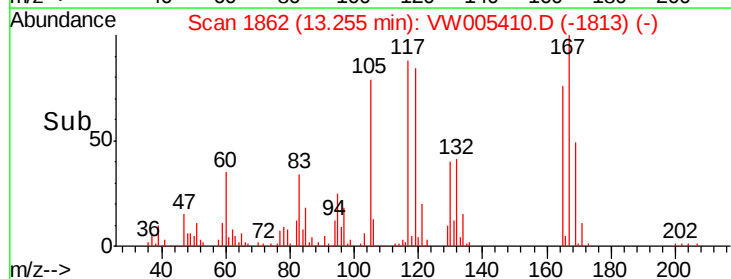
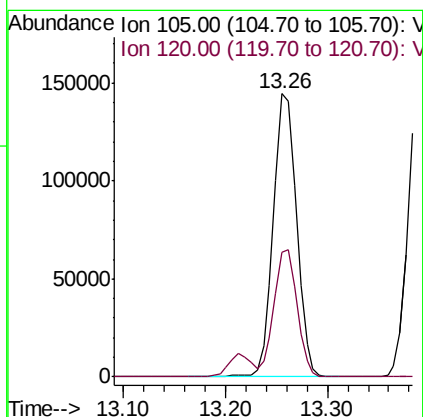
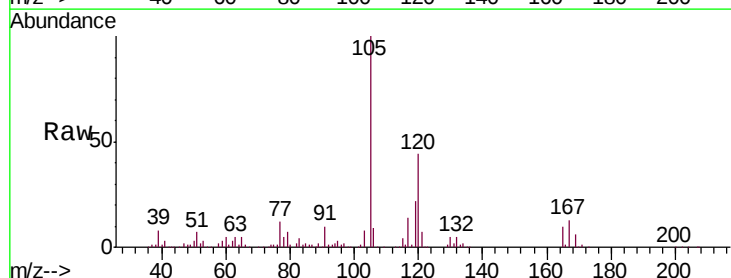
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0916SBSD01

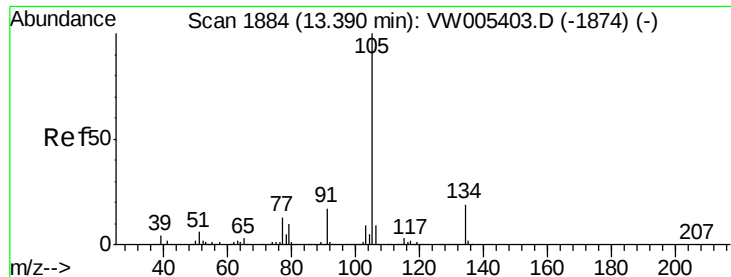
Tgt Ion:119 Resp: 194277
 Ion Ratio Lower Upper
 119 100
 91 66.8 34.4 103.2
 134 24.6 12.7 38.0



#84
 1,2,4-Trimethylbenzene
 Concen: 21.313 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW005410.D
 Acq: 15 Sep 2018 03:55

Tgt Ion:105 Resp: 227958
 Ion Ratio Lower Upper
 105 100
 120 44.7 21.8 65.3

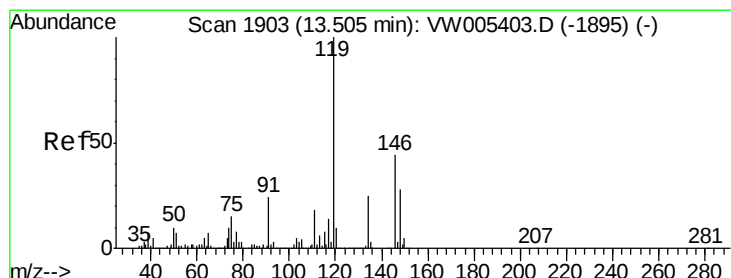
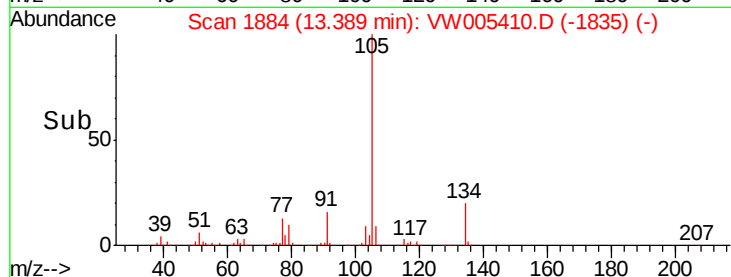
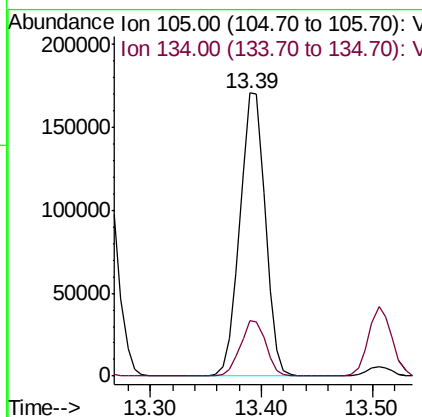
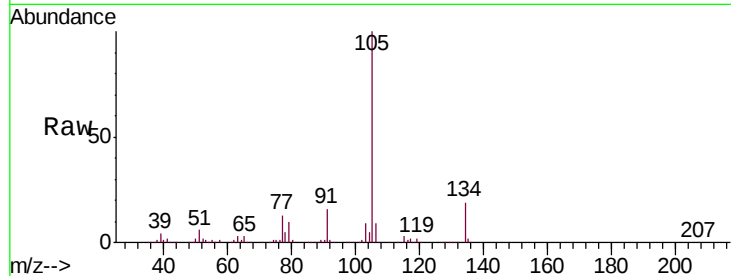




#85
 sec-Butylbenzene
 Concen: 21.363 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW005410.D
 Acq: 15 Sep 2018 03:55

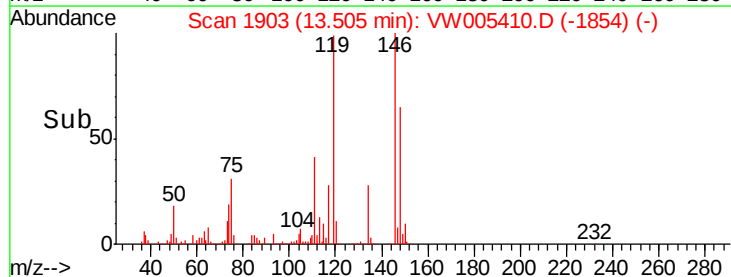
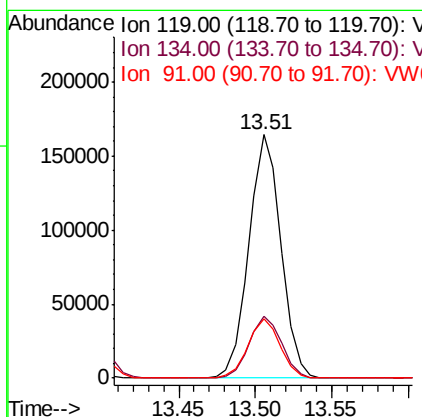
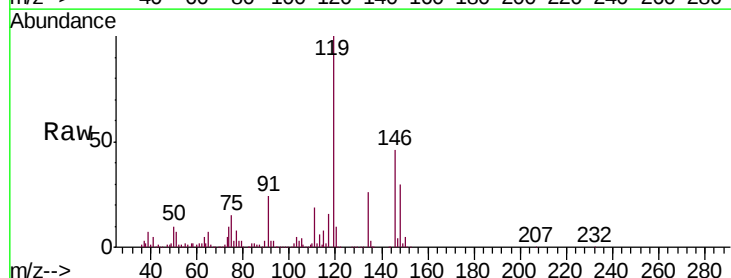
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0916SBSD01

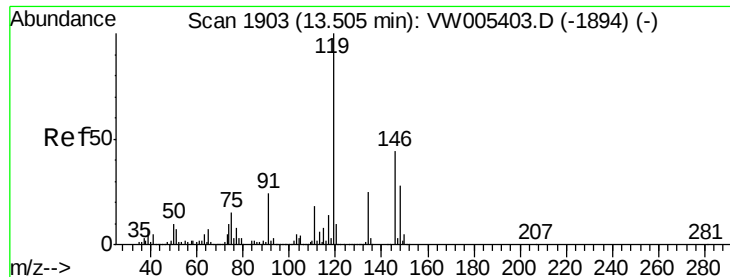
Tgt Ion:105 Resp: 270090
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 21.130 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW005410.D
 Acq: 15 Sep 2018 03:55

Tgt Ion:119 Resp: 238913
 Ion Ratio Lower Upper
 119 100
 134 26.0 12.6 37.8
 91 24.6 12.0 36.0

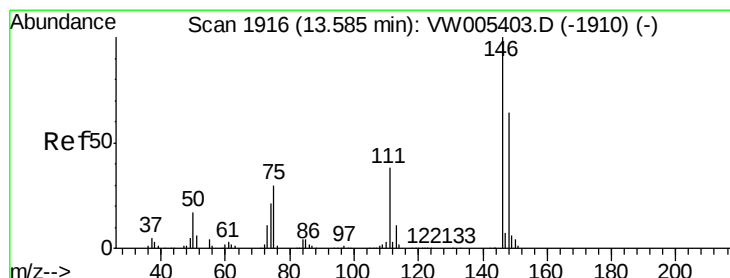
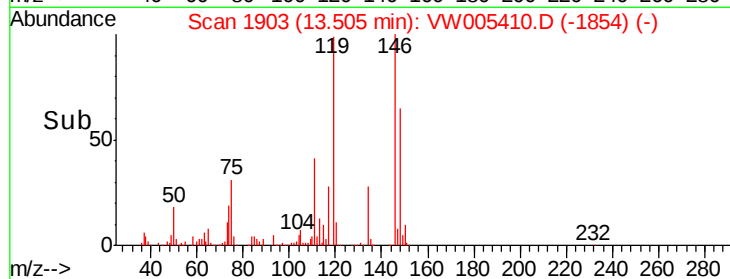
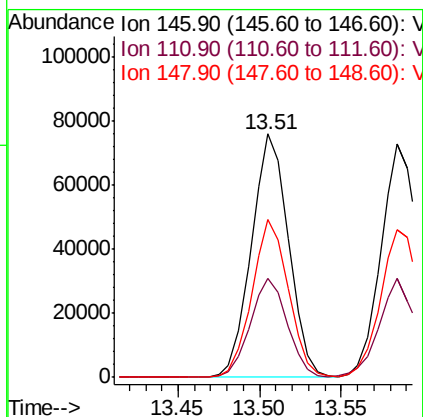
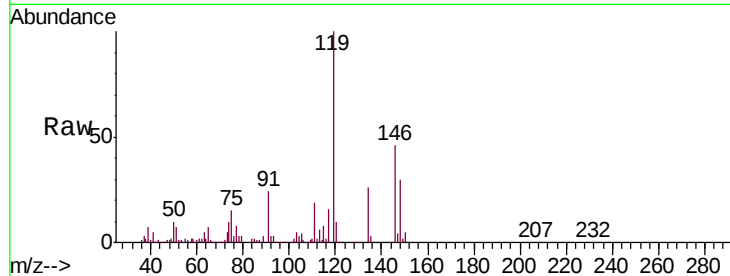




#87
 1,3-Dichlorobenzene
 Concen: 20.830 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW005410.D
 Acq: 15 Sep 2018 03:55

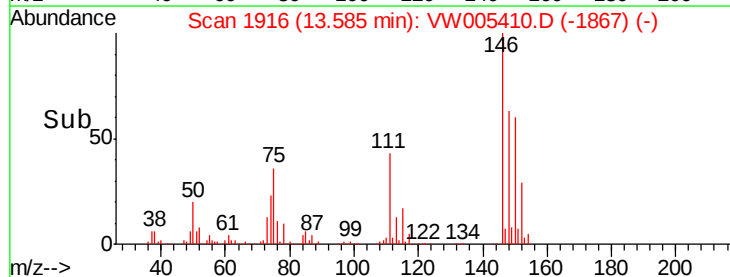
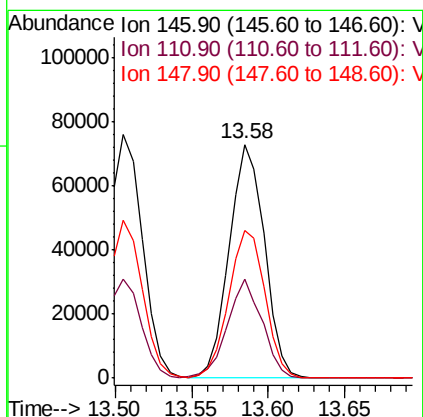
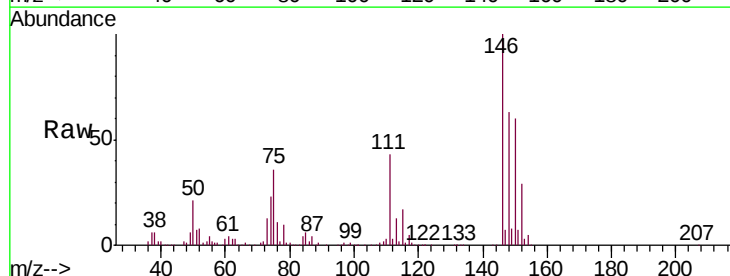
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0916SBSD01

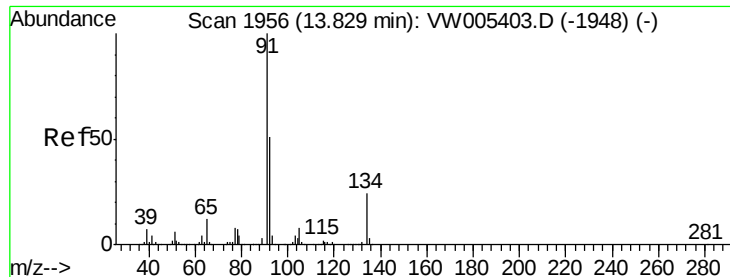
Tgt Ion:146 Resp: 120588
 Ion Ratio Lower Upper
 146 100
 111 40.3 20.4 61.2
 148 63.6 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 20.493 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW005410.D
 Acq: 15 Sep 2018 03:55

Tgt Ion:146 Resp: 116830
 Ion Ratio Lower Upper
 146 100
 111 41.8 19.6 58.8
 148 65.1 31.8 95.4





#89

n-Butylbenzene

Concen: 20.509 ug/l

RT: 13.83 min Scan# 1957

Delta R.T. 0.01 min

Lab File: VW005410.D

Acq: 15 Sep 2018 03:55

Instrument :

MSVOA_W

ClientSampleId :

VW0916SBSD01

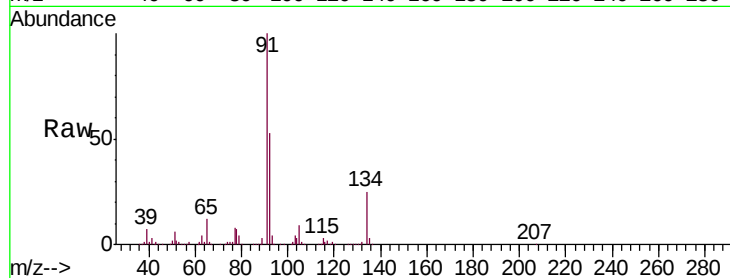
Tgt Ion: 91 Resp: 215929

Ion Ratio Lower Upper

91 100

92 52.4 26.2 78.6

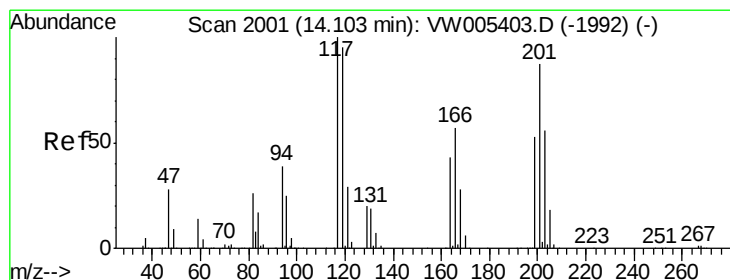
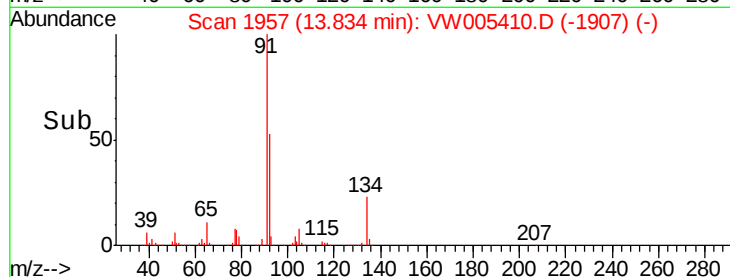
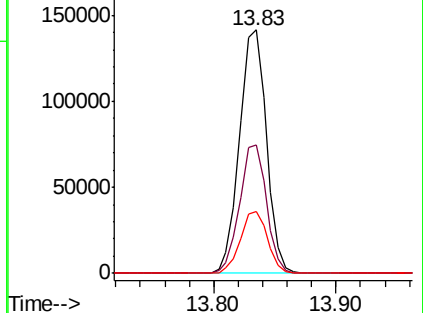
134 25.5 12.7 38.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 20.792 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. -0.00 min

Lab File: VW005410.D

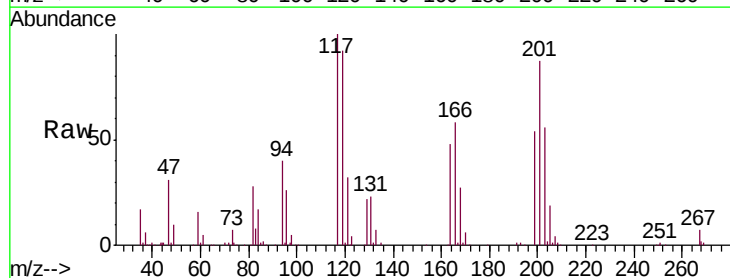
Acq: 15 Sep 2018 03:55

Tgt Ion: 117 Resp: 40281

Ion Ratio Lower Upper

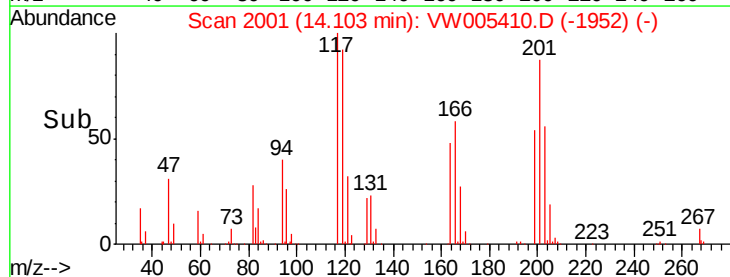
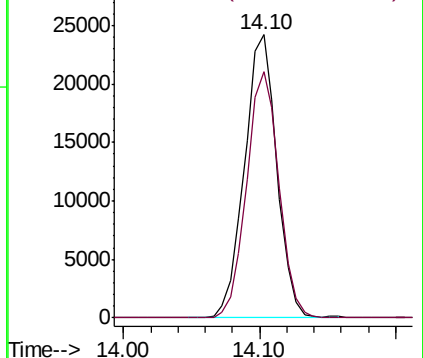
117 100

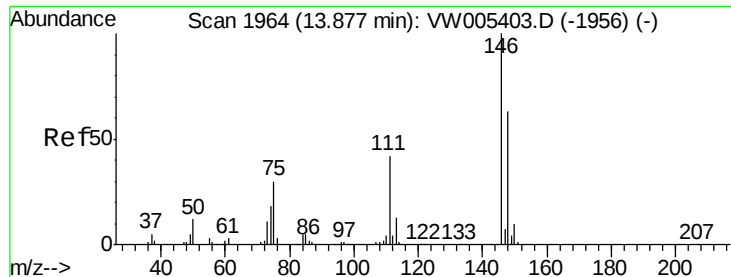
201 86.7 42.5 127.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 20.362 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VW005410.D

Acq: 15 Sep 2018 03:55

Instrument :

MSVOA_W

ClientSampleId :

VW0916SBSD01

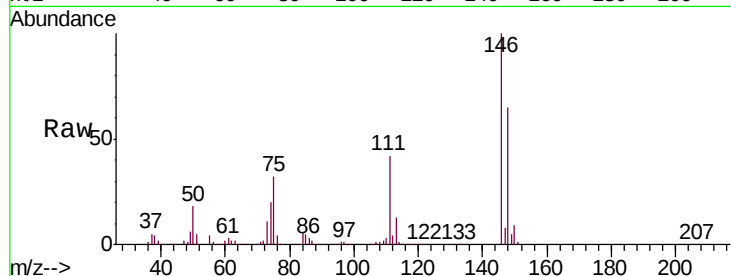
Tgt Ion:146 Resp: 103015

Ion Ratio Lower Upper

146 100

111 42.5 21.0 63.0

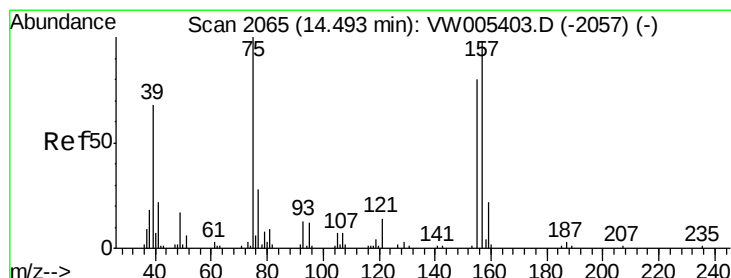
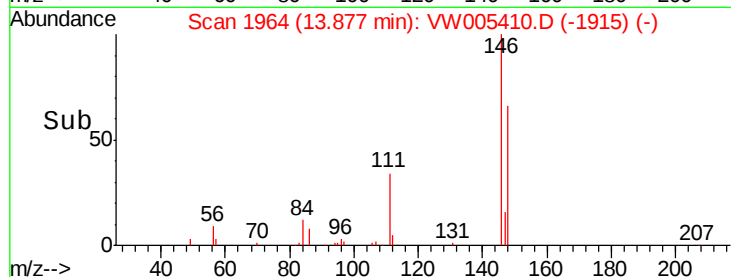
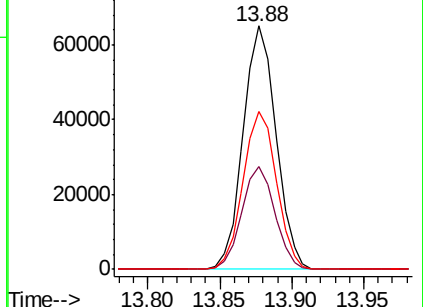
148 65.9 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.507 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. -0.00 min

Lab File: VW005410.D

Acq: 15 Sep 2018 03:55

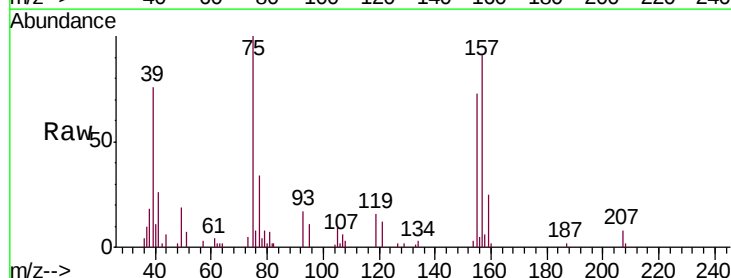
Tgt Ion: 75 Resp: 6937

Ion Ratio Lower Upper

75 100

155 69.3 39.0 117.0

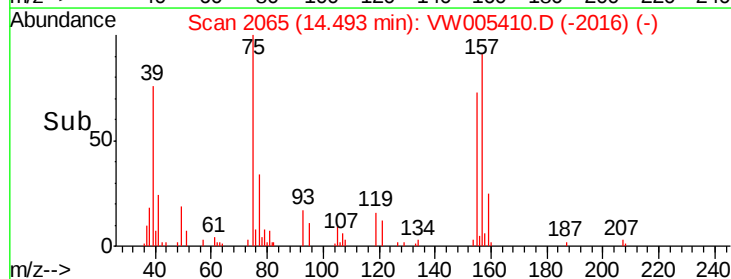
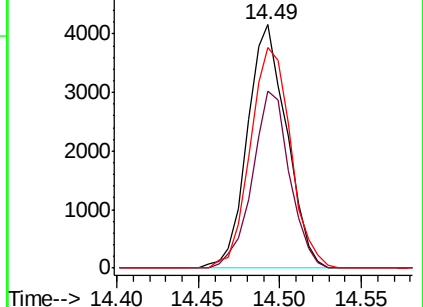
157 93.4 49.9 149.6

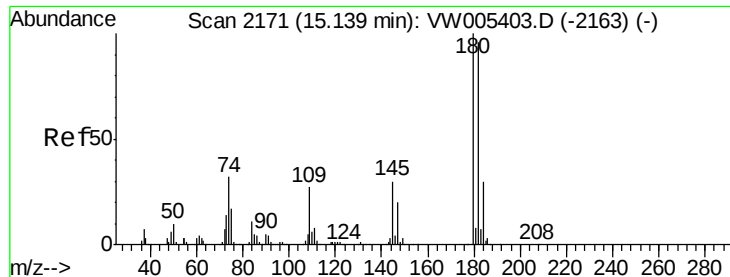


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

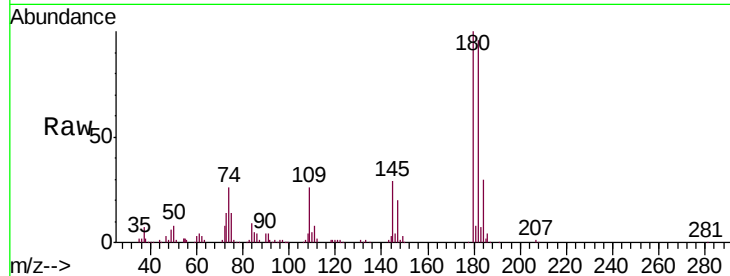




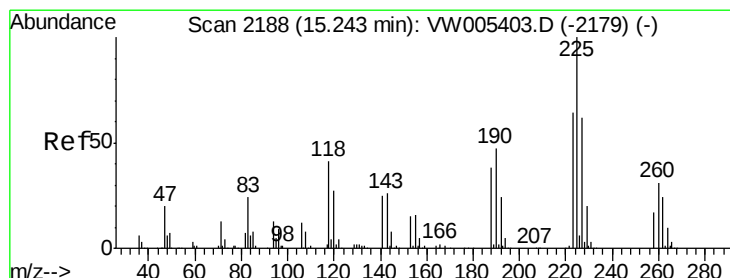
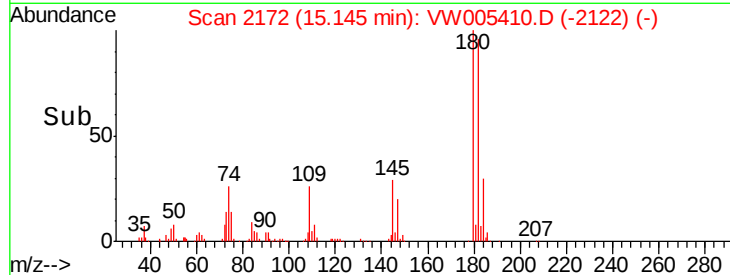
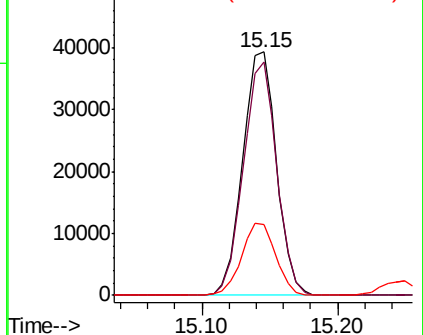
#93
 1,2,4-Trichlorobenzene
 Concen: 20.244 ug/l
 RT: 15.15 min Scan# 2172
 Delta R.T. 0.01 min
 Lab File: VW005410.D
 Acq: 15 Sep 2018 03:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0916SBSD01

Tgt Ion:180 Resp: 68338
 Ion Ratio Lower Upper
 180 100
 182 94.3 47.3 141.9
 145 29.8 14.8 44.3

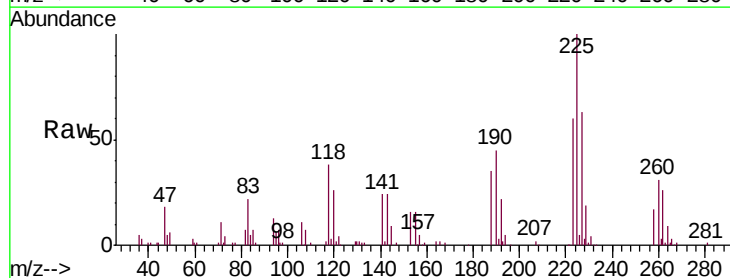


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

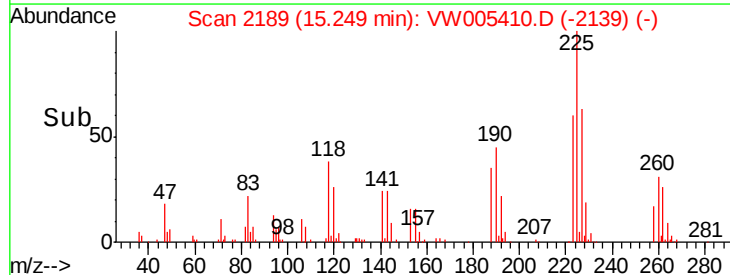
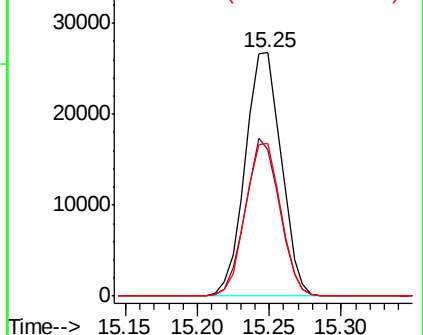


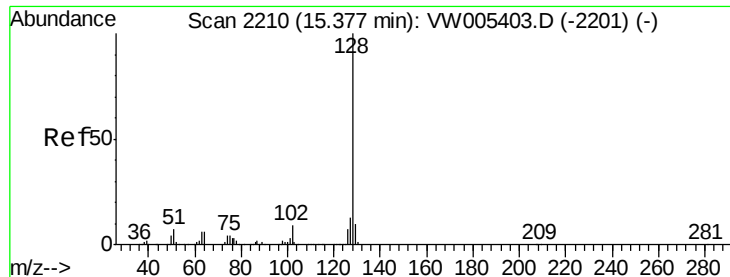
#94
 Hexachlorobutadiene
 Concen: 21.010 ug/l
 RT: 15.25 min Scan# 2189
 Delta R.T. 0.01 min
 Lab File: VW005410.D
 Acq: 15 Sep 2018 03:55

Tgt Ion:225 Resp: 46315
 Ion Ratio Lower Upper
 225 100
 223 61.6 31.2 93.6
 227 61.5 31.6 95.0



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

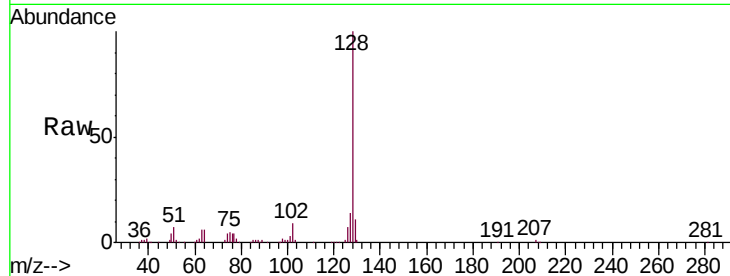




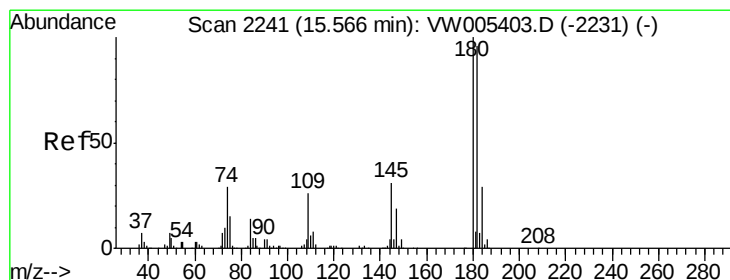
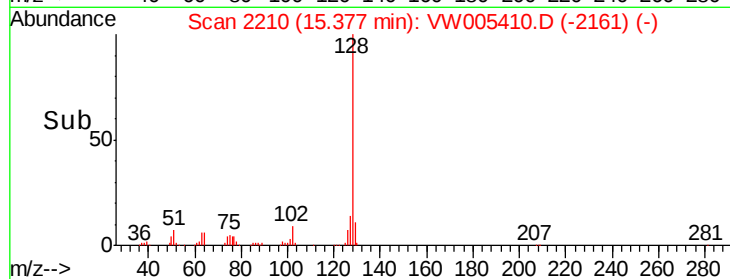
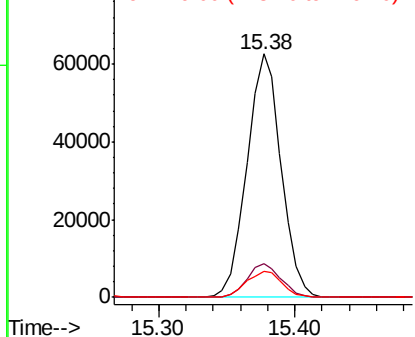
#95
Naphthalene
Concen: 19.565 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW005410.D
Acq: 15 Sep 2018 03:55

Instrument :
MSVOA_W
ClientSampleId :
VW0916SBSD01

Tgt Ion:128 Resp: 110056
Ion Ratio Lower Upper
128 100
127 13.8 11.0 16.4
129 11.2 8.7 13.1

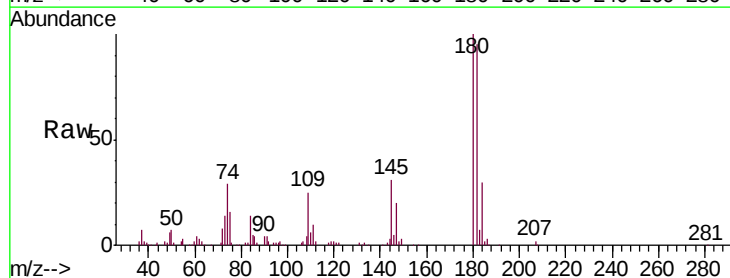


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.183 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW005410.D
Acq: 15 Sep 2018 03:55

Tgt Ion:180 Resp: 59461
Ion Ratio Lower Upper
180 100
182 94.6 48.1 144.4
145 31.5 15.9 47.7



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

