

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082918\
 Data File : VW005006.D
 Acq On : 29 Aug 2018 16:28
 Operator : SY/AP
 Sample : VW0829SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS01

Quant Time: Aug 30 01:53:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 30 01:51:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	537956	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	723514	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	751887	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	420674	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	173956	47.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.54%	
35) Dibromofluoromethane	7.89	113	180618	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
50) Toluene-d8	10.33	98	1035928	52.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.26%	
62) 4-Bromofluorobenzene	12.62	95	376615	52.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.96%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.00	85	105146	22.625 ug/l	97
3) Chloromethane	2.22	50	141269	21.403 ug/l	97
4) Vinyl Chloride	2.36	62	138106	20.962 ug/l	100
5) Bromomethane	2.76	94	93764	21.772 ug/l	92
6) Chloroethane	2.92	64	80461	20.653 ug/l	95
7) Trichlorofluoromethane	3.26	101	134537	19.750 ug/l	98
8) Diethyl Ether	3.69	74	38360	19.804 ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.07	101	85735	20.391 ug/l	97
10) Methyl Iodide	4.28	142	97216	16.895 ug/l	99
11) Tert butyl alcohol	5.20	59	25969	97.396 ug/l	98
12) 1,1-Dichloroethene	4.04	96	76706	19.527 ug/l	98
13) Acrolein	3.90	56	28091	89.524 ug/l	98
14) Allyl chloride	4.67	41	119216	19.709 ug/l	99
15) Acrylonitrile	5.38	53	93806	94.968 ug/l	99
16) Acetone	4.14	43	75842	91.393 ug/l	96
17) Carbon Disulfide	4.38	76	326991	19.804 ug/l	99
18) Methyl Acetate	4.68	43	37469	18.641 ug/l	99
19) Methyl tert-butyl Ether	5.43	73	166207	19.689 ug/l	97
20) Methylene Chloride	4.92	84	148062	22.689 ug/l	98
21) trans-1,2-Dichloroethene	5.43	96	83882	19.666 ug/l	94
22) Diisopropyl ether	6.32	45	243574	19.726 ug/l	98
23) Vinyl Acetate	6.26	43	621644	98.468 ug/l	99
24) 1,1-Dichloroethane	6.23	63	147744	19.775 ug/l	98
25) 2-Butanone	7.18	43	126779	97.969 ug/l	97
26) 2,2-Dichloropropane	7.17	77	133099	20.297 ug/l	98
27) cis-1,2-Dichloroethene	7.18	96	91515	19.723 ug/l	98
28) Bromochloromethane	7.52	49	63586	19.355 ug/l	98
29) Tetrahydrofuran	7.54	42	62080	94.964 ug/l	98
30) Chloroform	7.68	83	143579	19.538 ug/l	98
31) Cyclohexane	7.96	56	160445	20.263 ug/l	# 96
32) 1,1,1-Trichloroethane	7.88	97	135852	20.092 ug/l	97
36) 1,1-Dichloropropene	8.09	75	126982	20.713 ug/l	100
37) Ethyl Acetate	7.26	43	46684	21.127 ug/l	98
38) Carbon Tetrachloride	8.07	117	123933	20.889 ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	166897	19.749	ug/l	98
40) Benzene	8.33	78	397627	20.263	ug/l	98
41) Methacrylonitrile	7.49	41	27293	21.195	ug/l	97
42) 1,2-Dichloroethane	8.41	62	86692	19.854	ug/l	100
43) Isopropyl Acetate	8.43	43	85005	19.333	ug/l	99
44) Trichloroethene	9.10	130	100996	20.150	ug/l	97
45) 1,2-Dichloropropane	9.37	63	91698	20.424	ug/l	99
46) Dibromomethane	9.46	93	42744	20.115	ug/l	98
47) Bromodichloromethane	9.65	83	106851	20.350	ug/l	97
48) Methyl methacrylate	9.44	41	42664	18.245	ug/l	89
49) 1,4-Dioxane	9.46	88	17399	394.565	ug/l #	97
51) 4-Methyl-2-Pentanone	10.21	43	320212	97.239	ug/l	100
52) Toluene	10.39	92	305879	21.010	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	111778	19.934	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	131646	20.133	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	67308	19.352	ug/l	98
56) Ethyl methacrylate	10.65	69	89841	19.693	ug/l	99
57) 1,3-Dichloropropane	10.94	76	112304	19.622	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	186886	95.085	ug/l	100
59) 2-Hexanone	10.98	43	239871	100.605	ug/l	98
60) Dibromochloromethane	11.13	129	74745	19.581	ug/l	100
61) 1,2-Dibromoethane	11.24	107	62923	19.297	ug/l	98
64) Tetrachloroethene	10.87	164	109548	19.983	ug/l	96
65) Chlorobenzene	11.66	112	336644	20.379	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	88535	19.513	ug/l	100
67) Ethyl Benzene	11.74	91	578681	20.458	ug/l	100
68) m/p-Xylenes	11.85	106	482949	41.861	ug/l	100
69) o-Xylene	12.17	106	218672	20.743	ug/l	100
70) Styrene	12.19	104	361721	20.685	ug/l	100
71) Bromoform	12.35	173	47823	18.956	ug/l #	98
73) Isopropylbenzene	12.47	105	587678	20.956	ug/l	100
74) N-amyl acetate	12.28	43	106455	20.116	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	83432	19.650	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	111796	37.523	ug/l #	100
77) Bromobenzene	12.76	156	141236	20.527	ug/l	99
78) n-propylbenzene	12.81	91	731845	21.157	ug/l	100
79) 2-Chlorotoluene	12.90	91	416104	20.828	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	521645	21.054	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	24742	18.768	ug/l	95
82) 4-Chlorotoluene	12.99	91	440986	20.717	ug/l	99
83) tert-Butylbenzene	13.21	119	431847	20.752	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	520535	20.706	ug/l	99
85) sec-Butylbenzene	13.39	105	640276	20.960	ug/l	100
86) p-Isopropyltoluene	13.51	119	577055	21.085	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	297315	20.383	ug/l	99
88) 1,4-Dichlorobenzene	13.59	146	291707	20.190	ug/l	98
89) n-Butylbenzene	13.83	91	532644	20.733	ug/l	99
90) Hexachloroethane	14.10	117	85329	19.835	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	260540	20.291	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	14234	19.410	ug/l	97

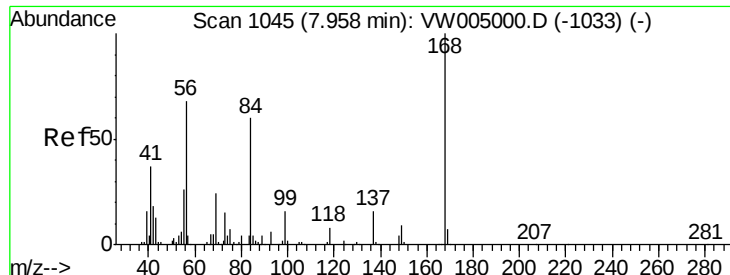
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082918\
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Quant Title : SW846 8260
QLast Update : Thu Aug 30 01:51:13 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	179425	19.946	ug/l	99
94) Hexachlorobutadiene	15.25	225	114904	20.407	ug/l	99
95) Naphthalene	15.38	128	282664	19.648	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	155785	19.604	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.00 min

Lab File: VW005006.D

Acq: 29 Aug 2018 16:28

Instrument :

MSVOA_W

ClientSampleId :

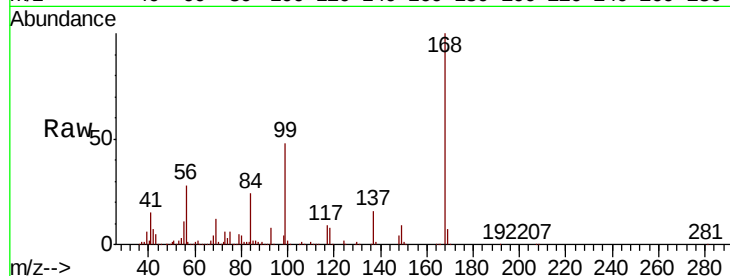
VW0829SBS01

Tgt Ion:168 Resp: 537956

Ion Ratio Lower Upper

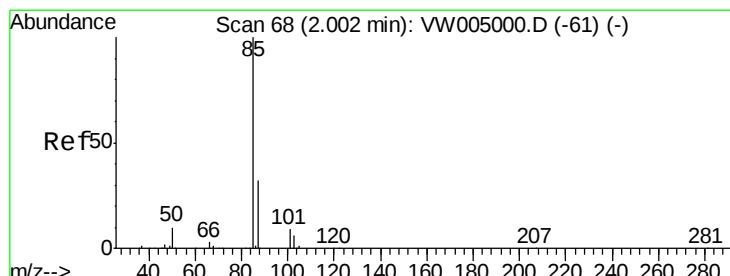
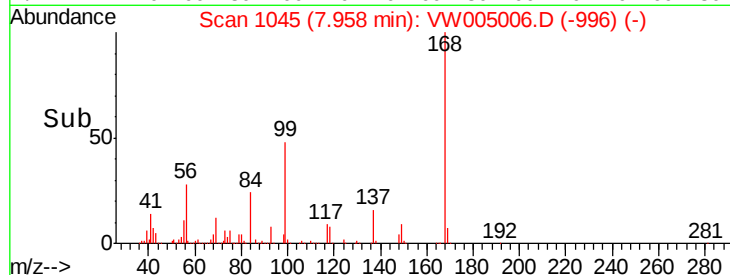
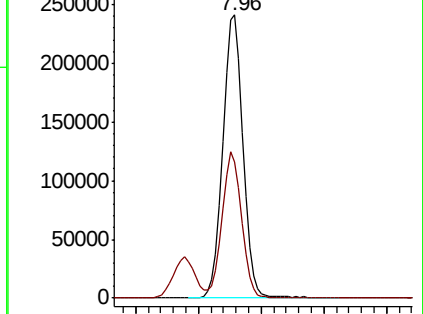
168 100

99 48.0 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 22.625 ug/l

RT: 2.00 min Scan# 68

Delta R.T. -0.00 min

Lab File: VW005006.D

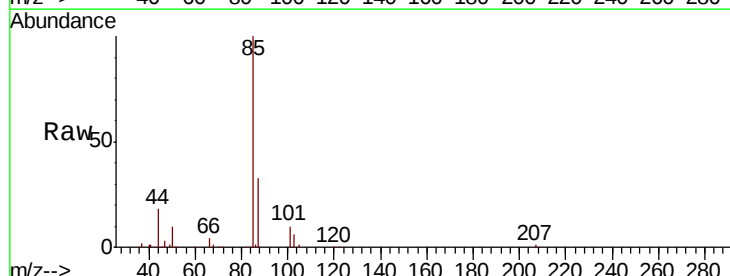
Acq: 29 Aug 2018 16:28

Tgt Ion: 85 Resp: 105146

Ion Ratio Lower Upper

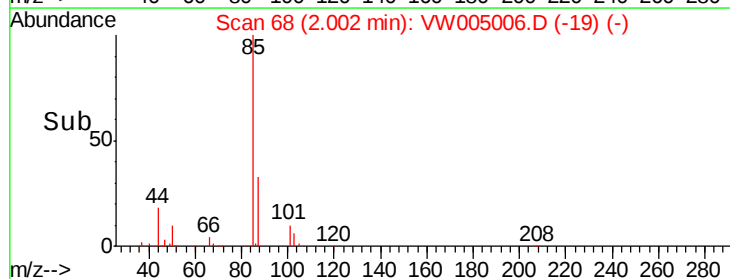
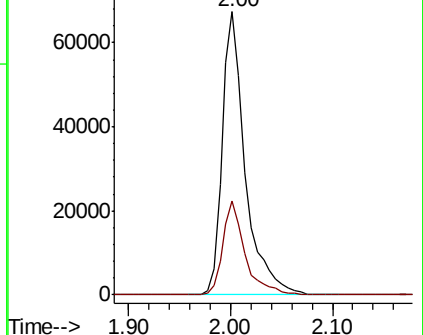
85 100

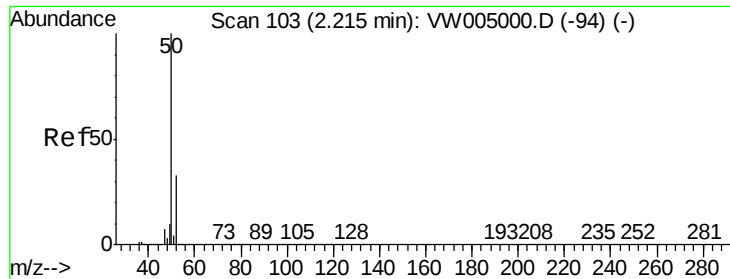
87 33.1 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 21.403 ug/l

RT: 2.22 min Scan# 103

Delta R.T. -0.00 min

Lab File: VW005006.D

Acq: 29 Aug 2018 16:28

Instrument :

MSVOA_W

ClientSampleId :

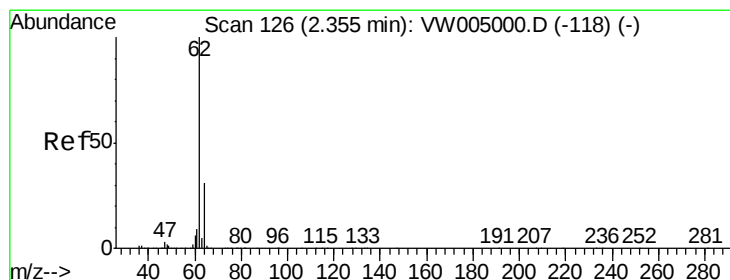
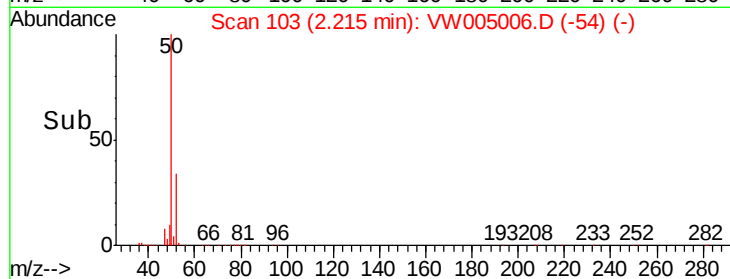
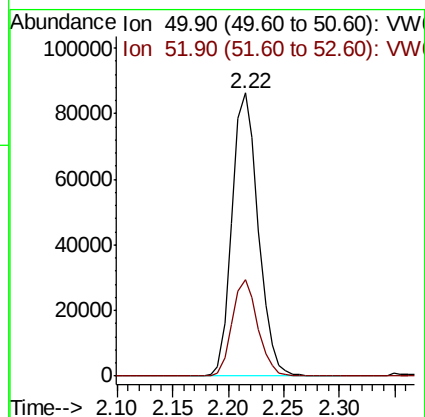
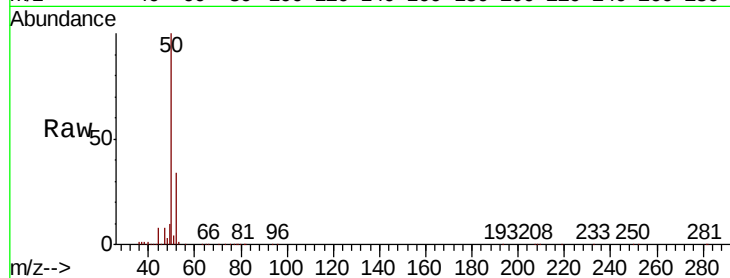
VW0829SBS01

Tgt Ion: 50 Resp: 141269

Ion Ratio Lower Upper

50 100

52 34.1 26.1 39.1



#4

Vinyl Chloride

Concen: 20.962 ug/l

RT: 2.36 min Scan# 127

Delta R.T. 0.01 min

Lab File: VW005006.D

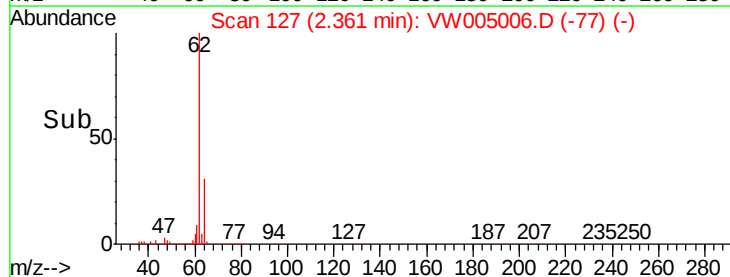
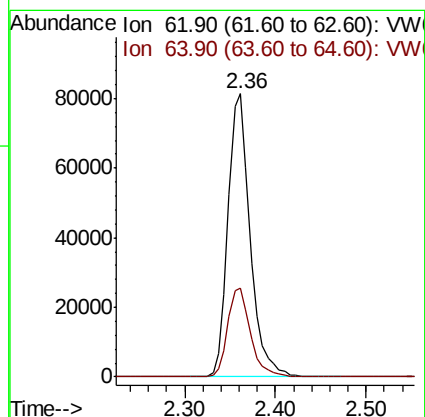
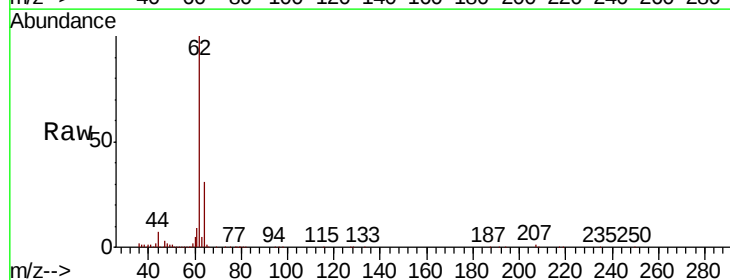
Acq: 29 Aug 2018 16:28

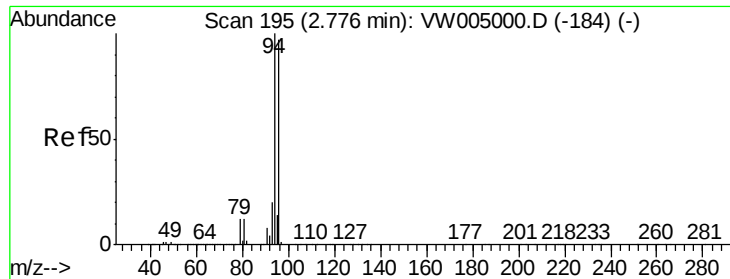
Tgt Ion: 62 Resp: 138106

Ion Ratio Lower Upper

62 100

64 31.2 24.8 37.2





#5

Bromomethane

Concen: 21.772 ug/l

RT: 2.76 min Scan# 193

Delta R.T. -0.01 min

Lab File: VW005006.D

Acq: 29 Aug 2018 16:28

Instrument :

MSVOA_W

ClientSampleId :

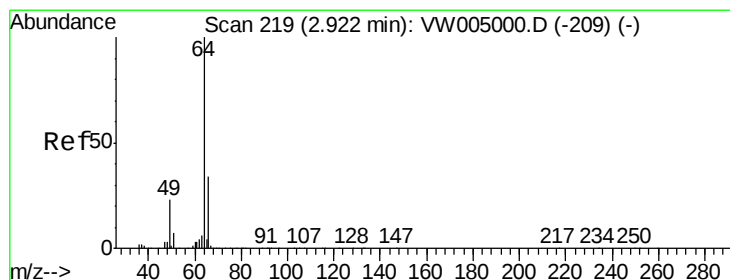
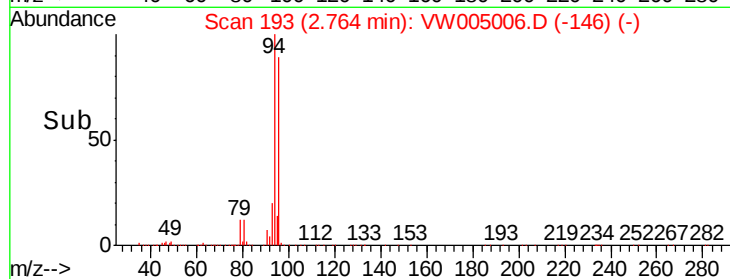
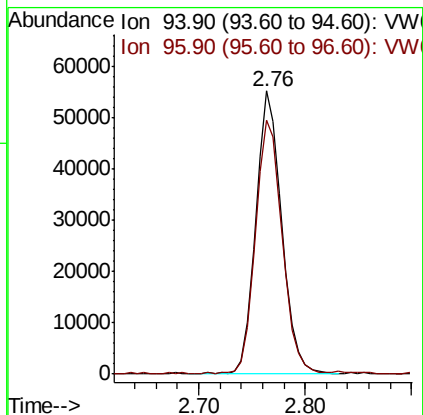
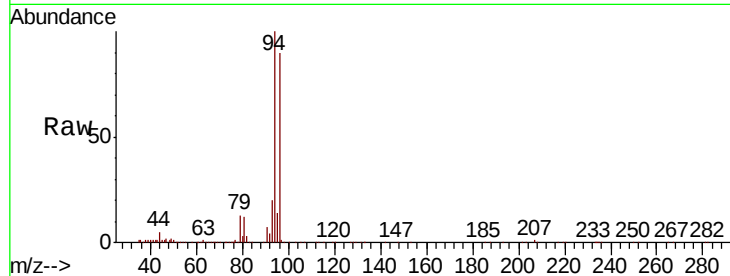
VW0829SBS01

Tgt Ion: 94 Resp: 93764

Ion Ratio Lower Upper

94 100

96 89.5 77.5 116.3



#6

Chloroethane

Concen: 20.653 ug/l

RT: 2.92 min Scan# 218

Delta R.T. -0.01 min

Lab File: VW005006.D

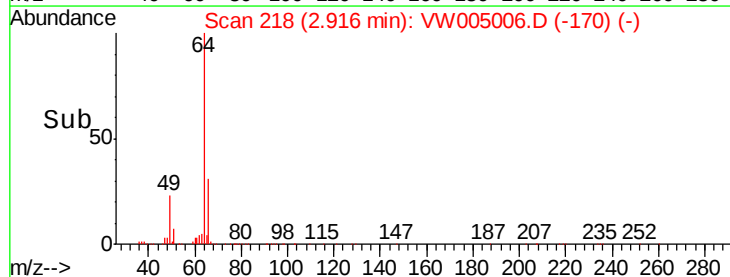
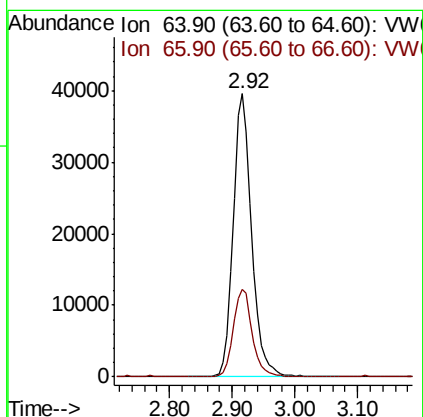
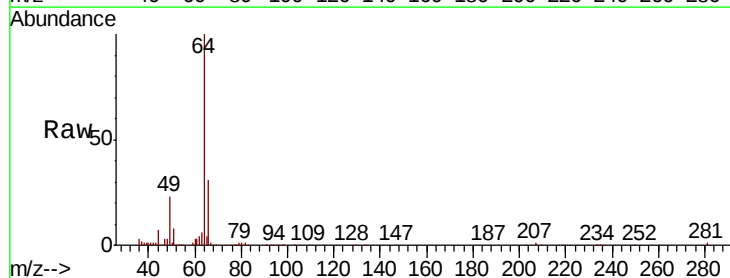
Acq: 29 Aug 2018 16:28

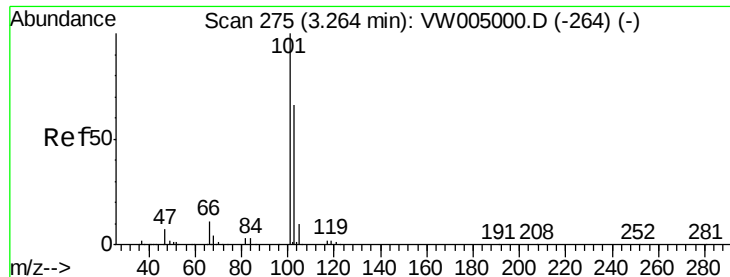
Tgt Ion: 64 Resp: 80461

Ion Ratio Lower Upper

64 100

66 30.9 26.8 40.2



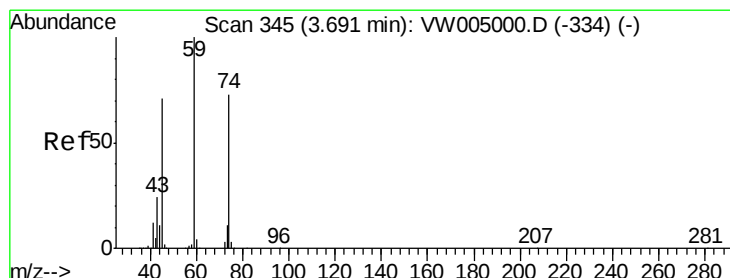
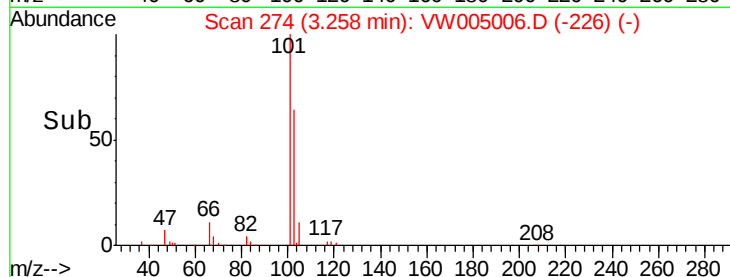
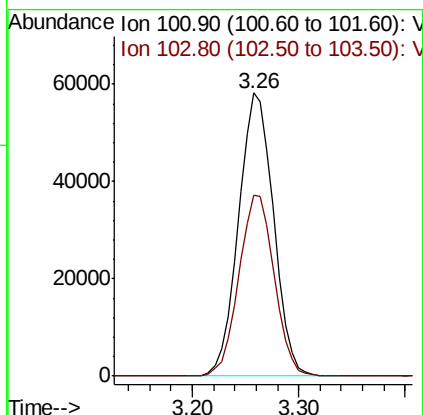
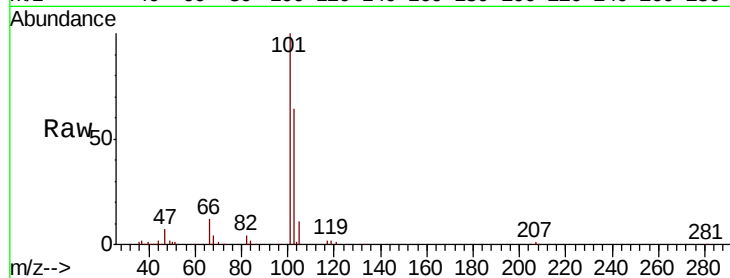


#7

Trichlorofluoromethane
 Concen: 19.750 ug/l
 RT: 3.26 min Scan# 274
 Delta R.T. -0.01 min
 Lab File: VW005006.D
 Acq: 29 Aug 2018 16:28

Instrument :
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 VW0829SBS01

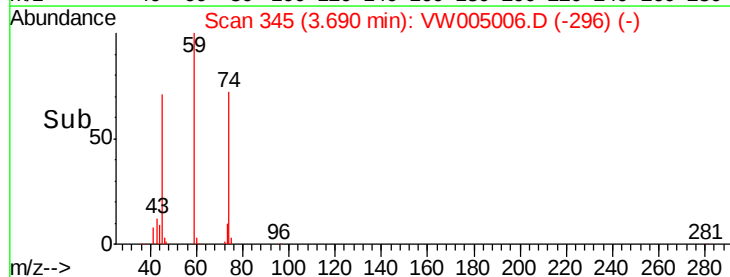
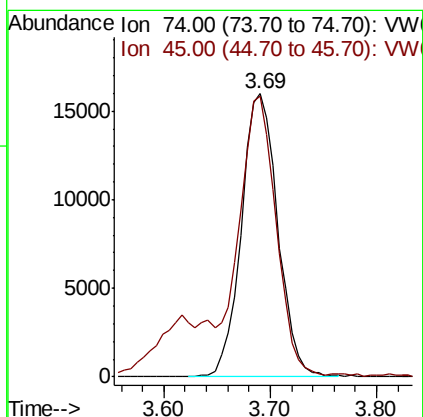
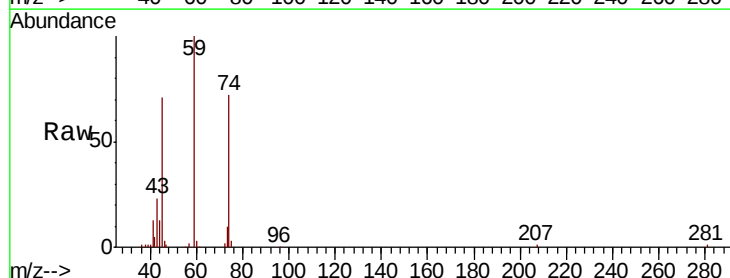
Tgt Ion: 101 Resp: 134537
 Ion Ratio Lower Upper
 101 100
 103 64.1 52.6 78.8

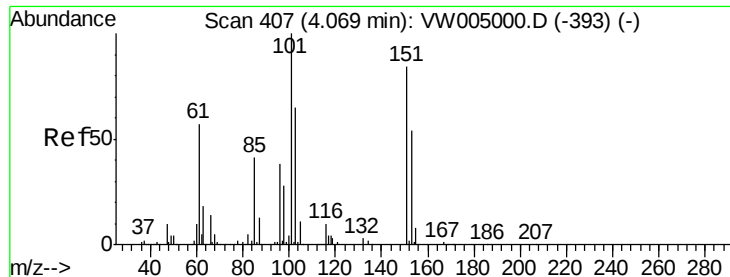


#8

Diethyl Ether
 Concen: 19.804 ug/l
 RT: 3.69 min Scan# 345
 Delta R.T. -0.00 min
 Lab File: VW005006.D
 Acq: 29 Aug 2018 16:28

Tgt Ion: 74 Resp: 38360
 Ion Ratio Lower Upper
 74 100
 45 100.0 47.8 143.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.391 ug/l

RT: 4.07 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW005006.D

Acq: 29 Aug 2018 16:28

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS01

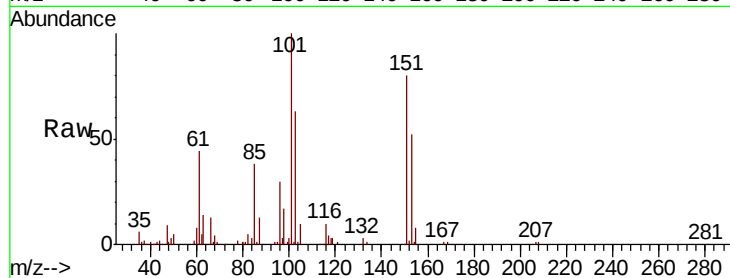
Tgt Ion:101 Resp: 85735

Ion Ratio Lower Upper

101 100

85 40.7 33.4 50.0

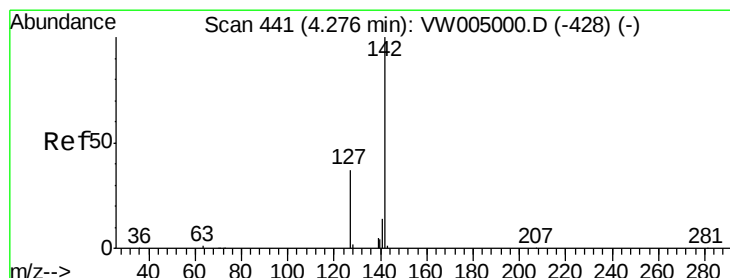
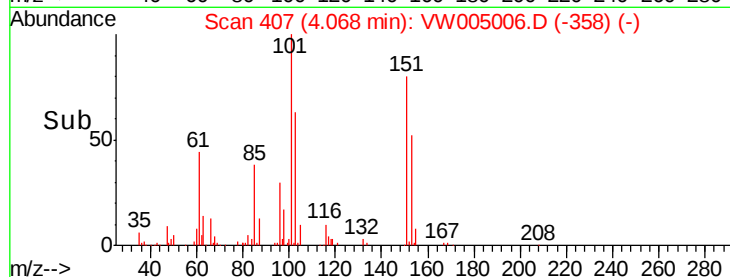
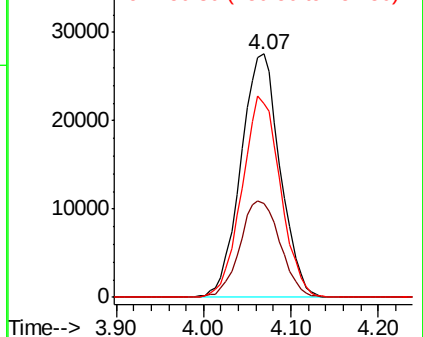
151 80.9 67.0 100.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.895 ug/l

RT: 4.28 min Scan# 441

Delta R.T. 0.00 min

Lab File: VW005006.D

Acq: 29 Aug 2018 16:28

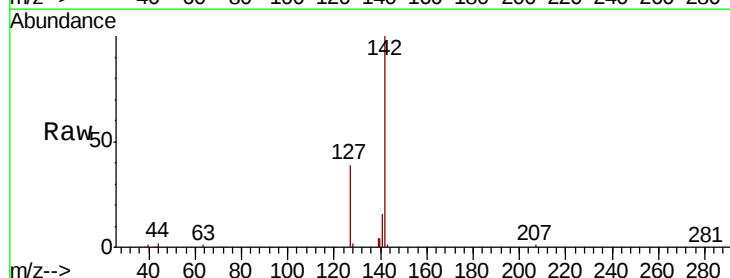
Tgt Ion:142 Resp: 97216

Ion Ratio Lower Upper

142 100

127 38.4 31.1 46.7

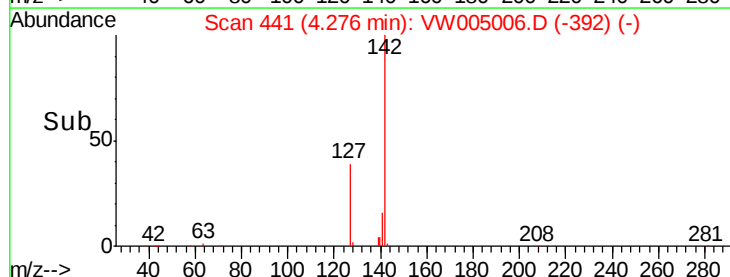
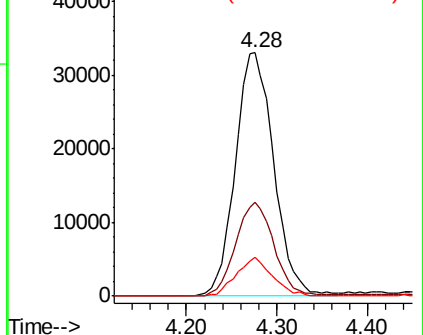
141 15.1 11.4 17.2

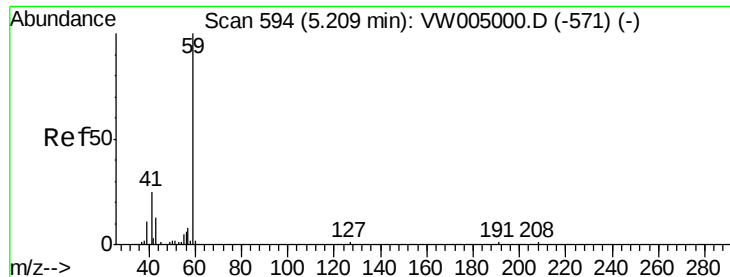


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



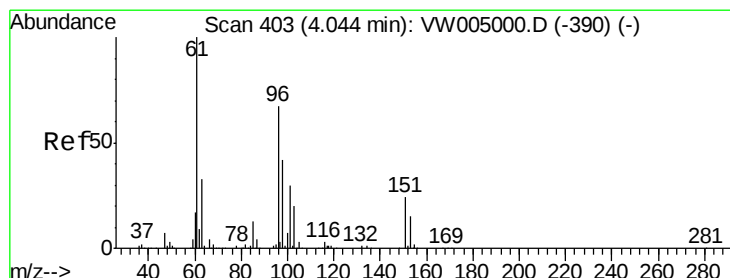
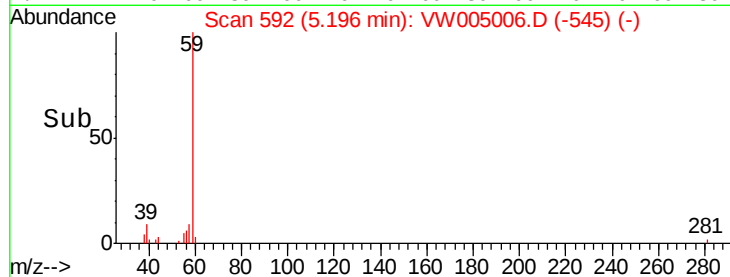
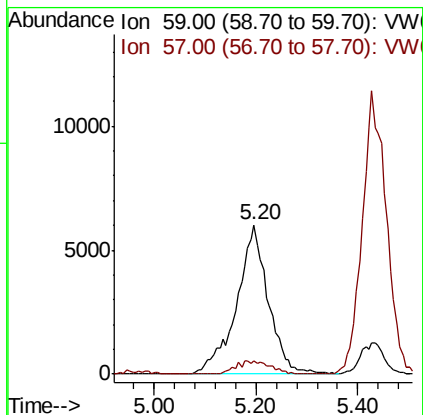
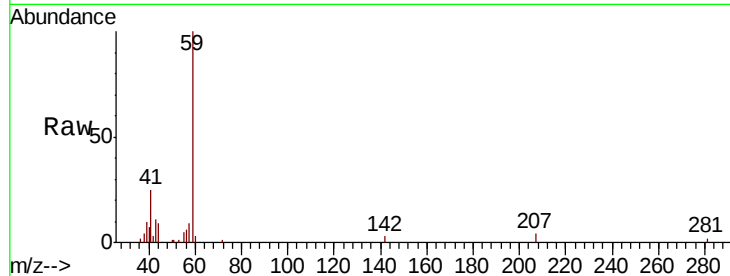


#11

Tert butyl alcohol
 Concen: 97.396 ug/l
 RT: 5.20 min Scan# 592
 Delta R.T. -0.01 min
 Lab File: VW005006.D
 Acq: 29 Aug 2018 16:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS01

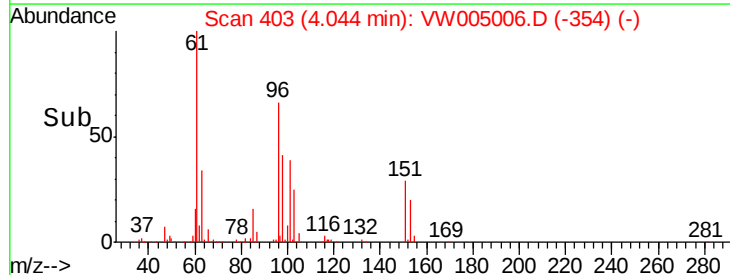
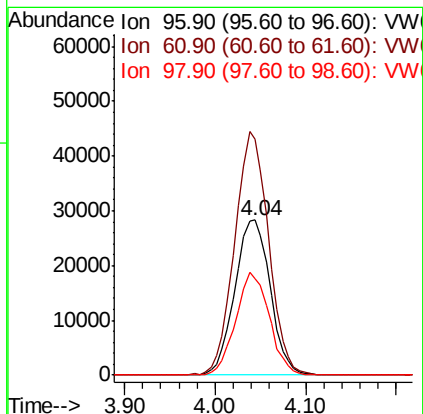
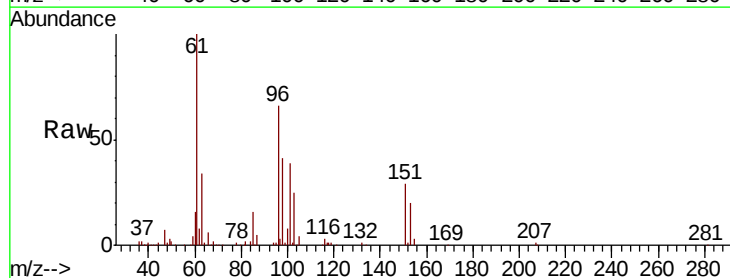
Tgt Ion: 59 Resp: 25969
 Ion Ratio Lower Upper
 59 100
 57 9.4 8.1 12.1

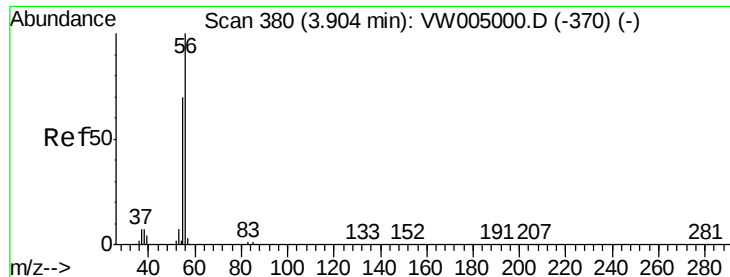


#12

1,1-Dichloroethene
 Concen: 19.527 ug/l
 RT: 4.04 min Scan# 403
 Delta R.T. -0.00 min
 Lab File: VW005006.D
 Acq: 29 Aug 2018 16:28

Tgt Ion: 96 Resp: 76706
 Ion Ratio Lower Upper
 96 100
 61 151.9 119.5 179.3
 98 62.4 50.4 75.6





#13

Acrolein

Concen: 89.524 ug/l

RT: 3.90 min Scan# 380

Delta R.T. -0.00 min

Lab File: VW005006.D

Acq: 29 Aug 2018 16:28

Instrument :

MSVOA_W

ClientSampleId :

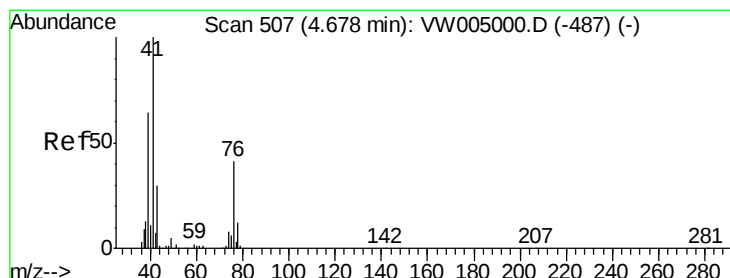
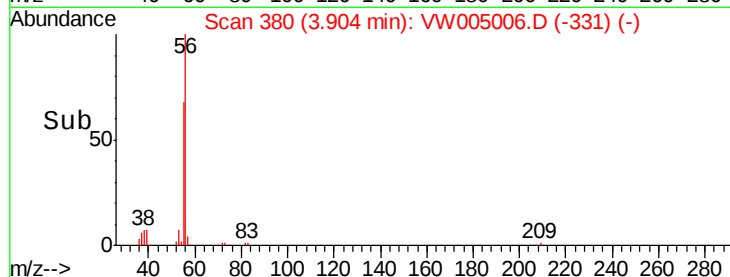
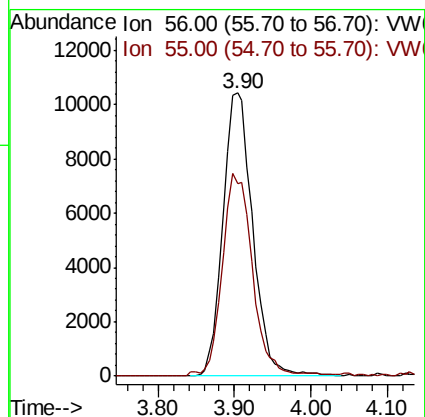
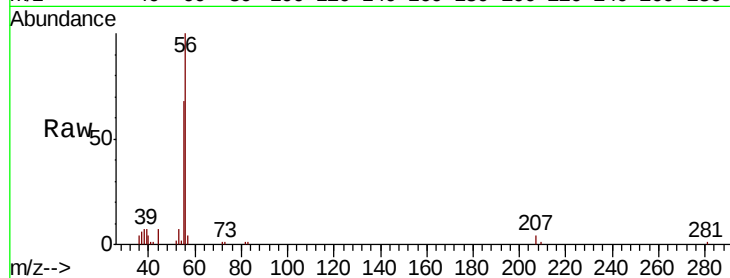
VW0829SBS01

Tgt Ion: 56 Resp: 28091

Ion Ratio Lower Upper

56 100

55 71.9 56.4 84.6



#14

Allyl chloride

Concen: 19.709 ug/l

RT: 4.67 min Scan# 506

Delta R.T. -0.01 min

Lab File: VW005006.D

Acq: 29 Aug 2018 16:28

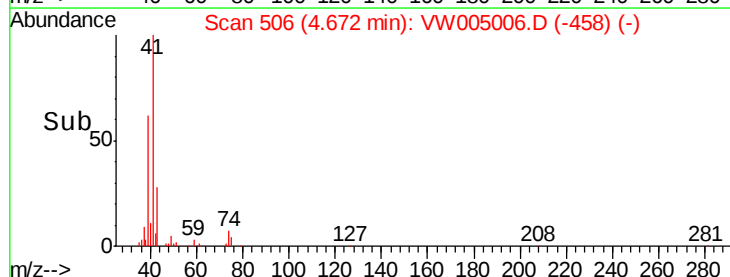
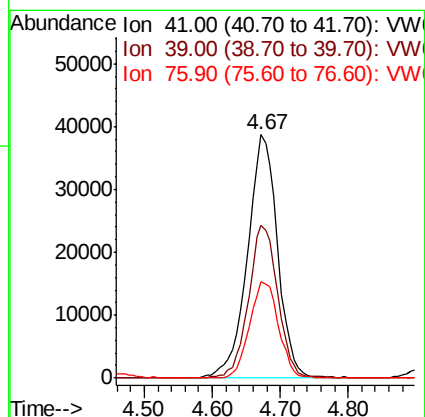
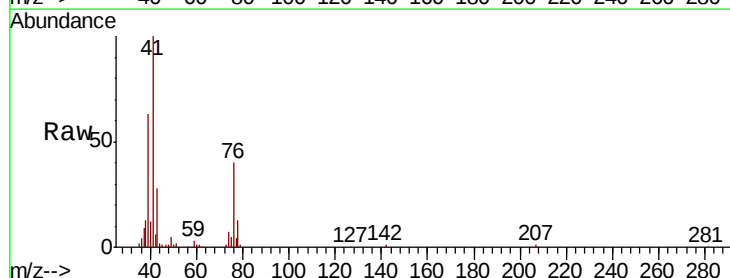
Tgt Ion: 41 Resp: 119216

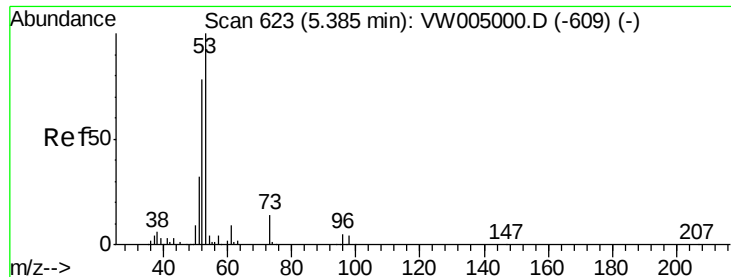
Ion Ratio Lower Upper

41 100

39 61.1 49.4 74.2

76 38.2 31.4 47.2





#15

Acrylonitrile

Concen: 94.968 ug/l

RT: 5.38 min Scan# 622

Delta R.T. -0.01 min

Lab File: VW005006.D

Acq: 29 Aug 2018 16:28

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS01

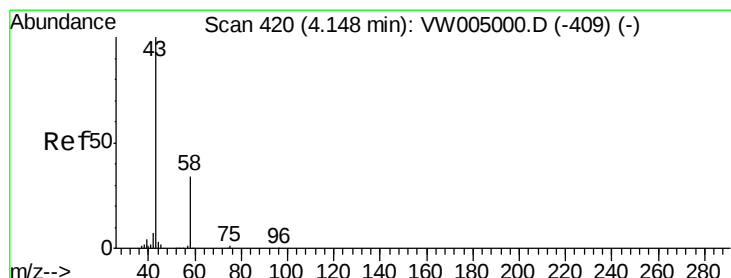
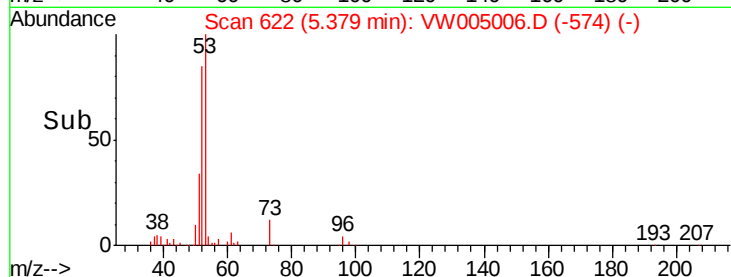
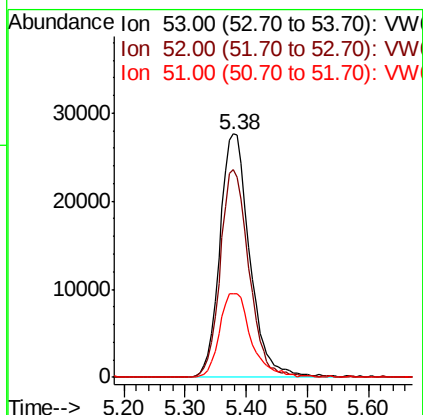
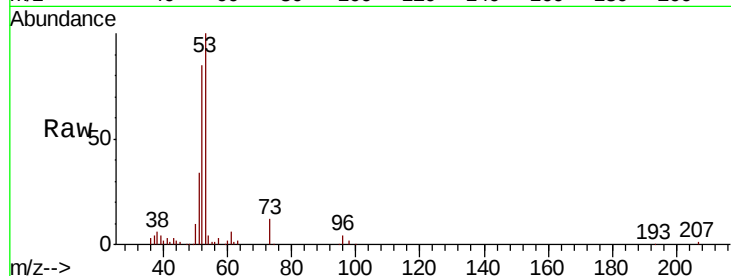
Tgt Ion: 53 Resp: 93806

Ion Ratio Lower Upper

53 100

52 82.1 65.0 97.6

51 36.2 28.6 43.0



#16

Acetone

Concen: 91.393 ug/l

RT: 4.14 min Scan# 418

Delta R.T. -0.01 min

Lab File: VW005006.D

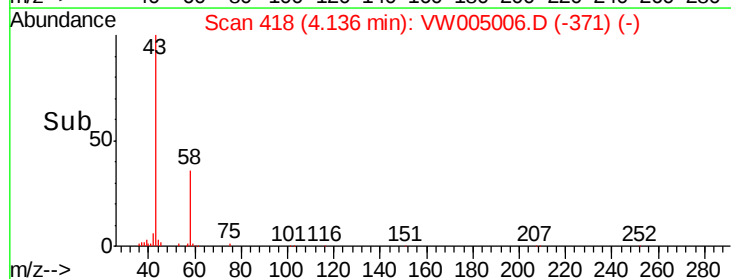
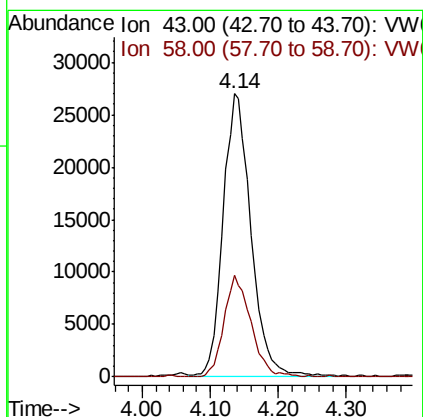
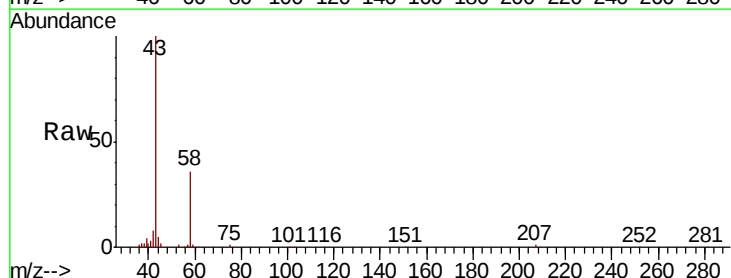
Acq: 29 Aug 2018 16:28

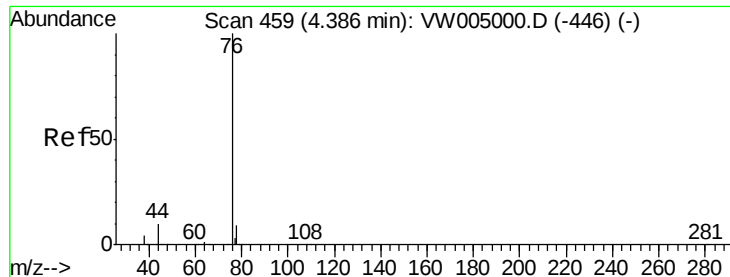
Tgt Ion: 43 Resp: 75842

Ion Ratio Lower Upper

43 100

58 36.2 27.2 40.8

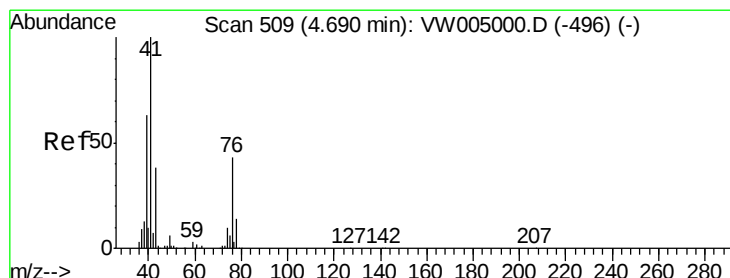
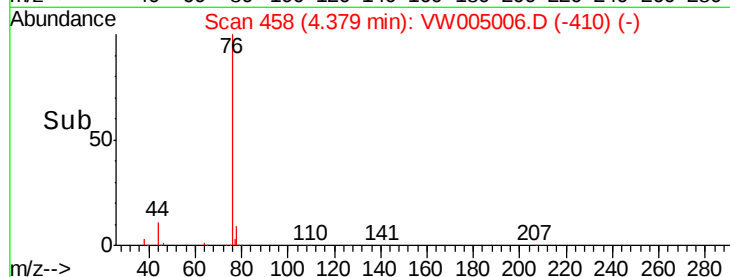
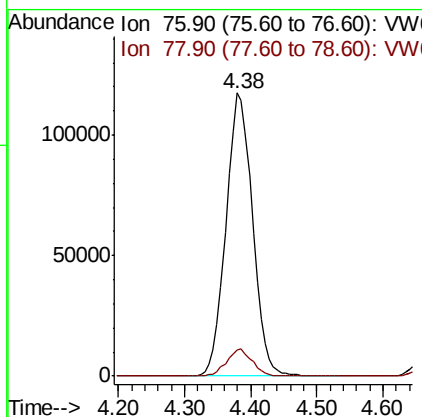
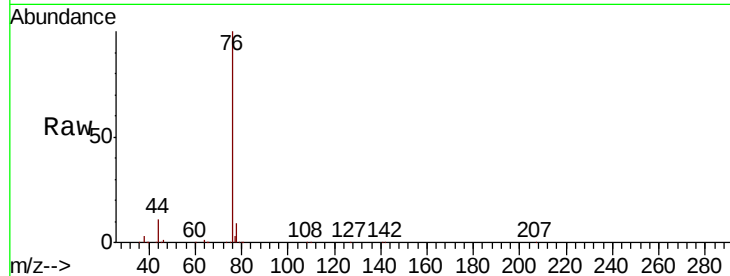




#17
Carbon Disulfide
Concen: 19.804 ug/l
RT: 4.38 min Scan# 458
Delta R.T. -0.01 min
Lab File: VW005006.D
Acq: 29 Aug 2018 16:28

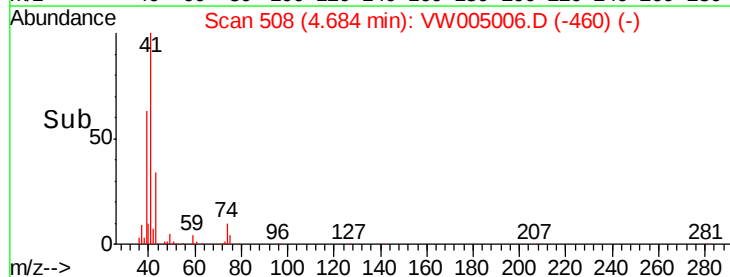
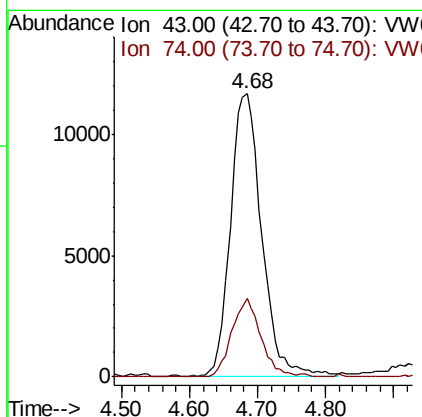
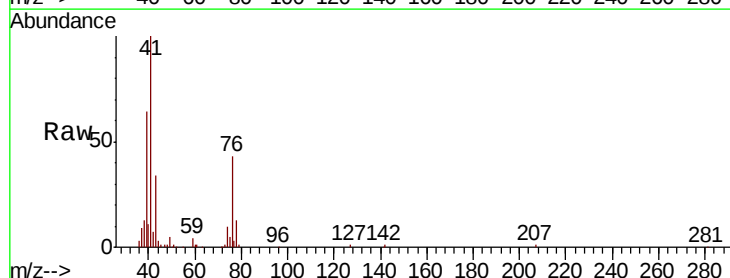
Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS01

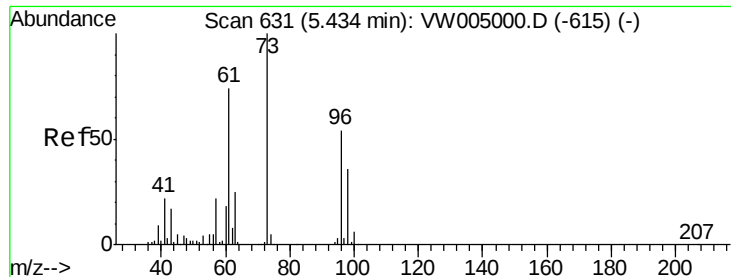
Tgt Ion: 76 Resp: 326991
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.2



#18
Methyl Acetate
Concen: 18.641 ug/l
RT: 4.68 min Scan# 508
Delta R.T. -0.01 min
Lab File: VW005006.D
Acq: 29 Aug 2018 16:28

Tgt Ion: 43 Resp: 37469
Ion Ratio Lower Upper
43 100
74 25.7 20.3 30.5

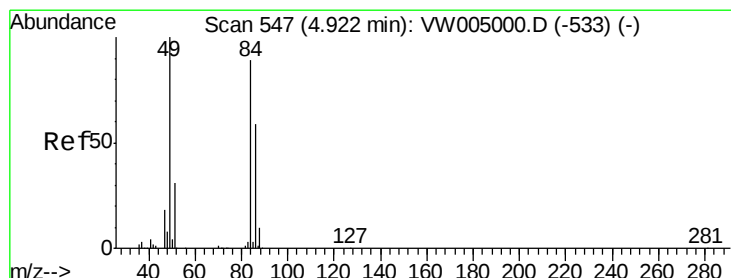
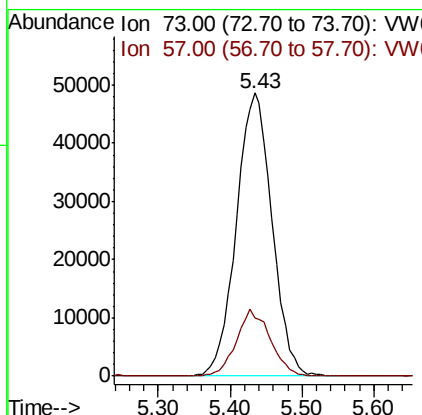
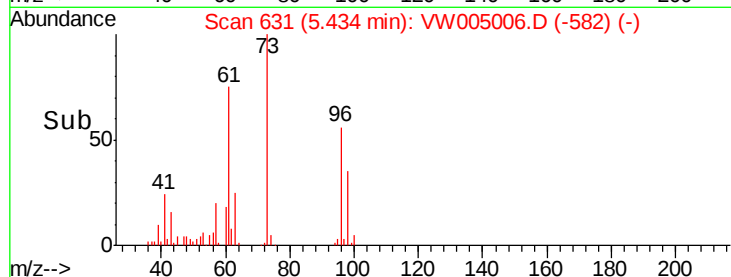
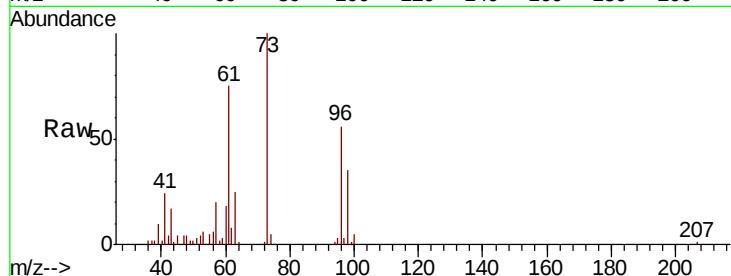




#19
Methyl tert-butyl Ether
Concen: 19.689 ug/l
RT: 5.43 min Scan# 631
Delta R.T. -0.00 min
Lab File: VW005006.D
Acq: 29 Aug 2018 16:28

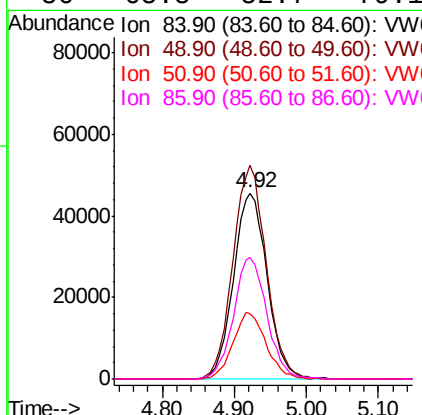
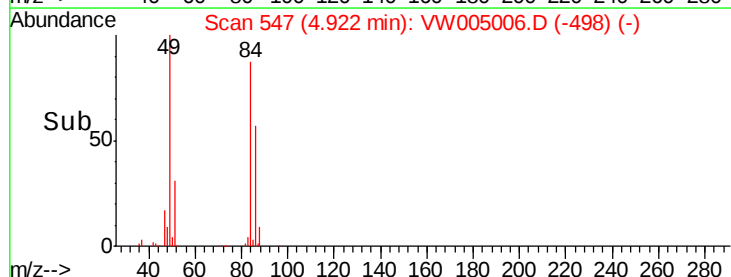
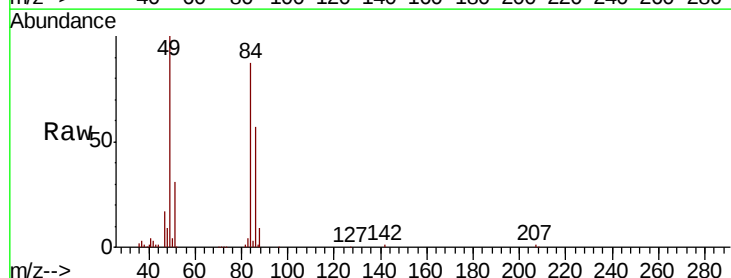
Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS01

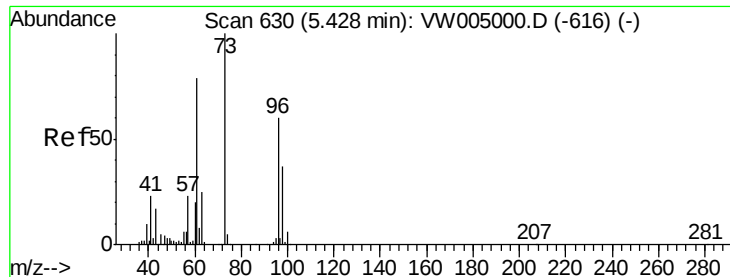
Tgt Ion: 73 Resp: 166207
Ion Ratio Lower Upper
73 100
57 20.5 17.6 26.4



#20
Methylene Chloride
Concen: 22.689 ug/l
RT: 4.92 min Scan# 547
Delta R.T. -0.00 min
Lab File: VW005006.D
Acq: 29 Aug 2018 16:28

Tgt Ion: 84 Resp: 148062
Ion Ratio Lower Upper
84 100
49 115.0 89.7 134.5
51 35.5 27.5 41.3
86 65.5 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 19.666 ug/l

RT: 5.43 min Scan# 630

Delta R.T. -0.00 min

Lab File: VW005006.D

Acq: 29 Aug 2018 16:28

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS01

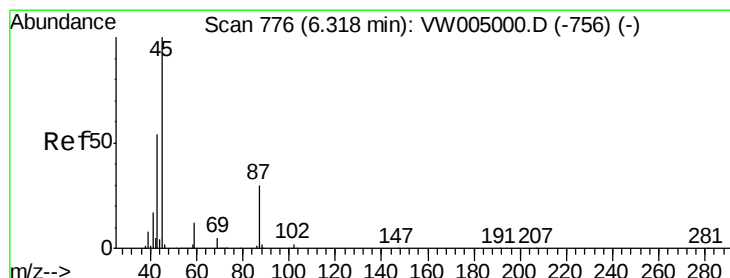
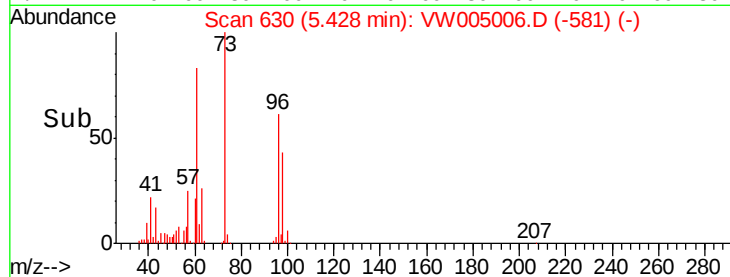
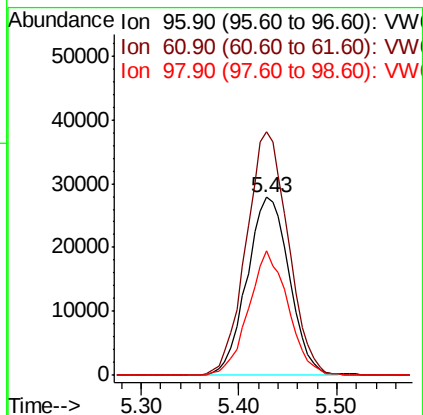
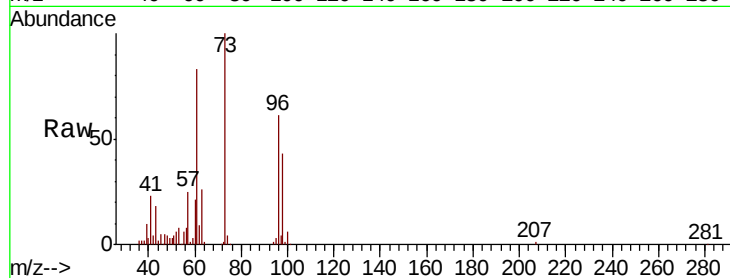
Tgt Ion: 96 Resp: 83882

Ion Ratio Lower Upper

96 100

61 137.0 106.2 159.2

98 70.3 49.5 74.3



#22

Diisopropyl ether

Concen: 19.726 ug/l

RT: 6.32 min Scan# 776

Delta R.T. -0.00 min

Lab File: VW005006.D

Acq: 29 Aug 2018 16:28

Tgt Ion: 45 Resp: 243574

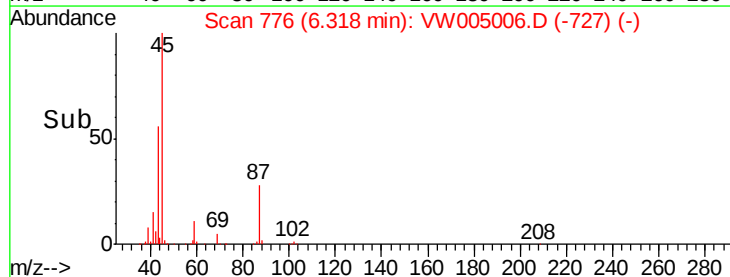
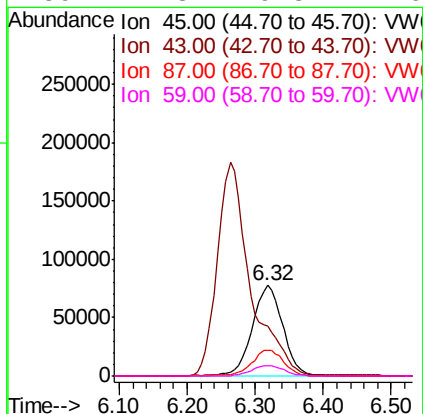
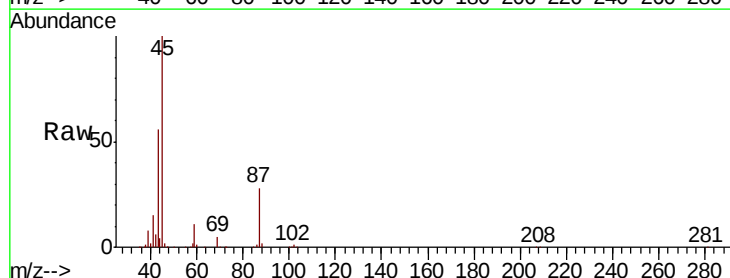
Ion Ratio Lower Upper

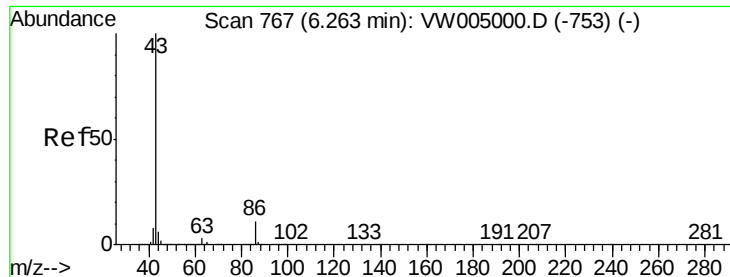
45 100

43 55.0 43.5 65.3

87 27.7 23.8 35.8

59 11.3 9.8 14.6

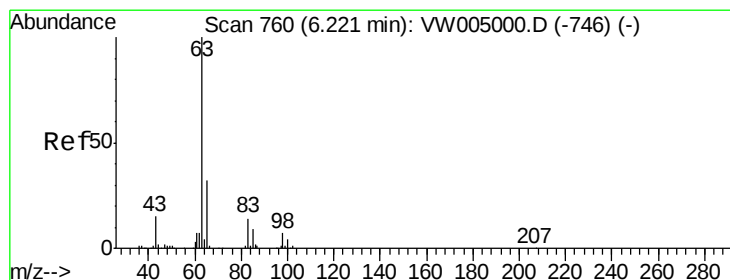
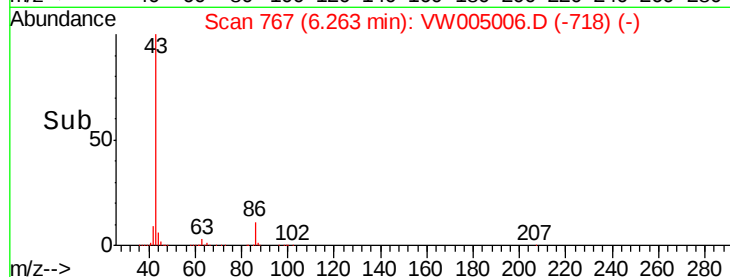
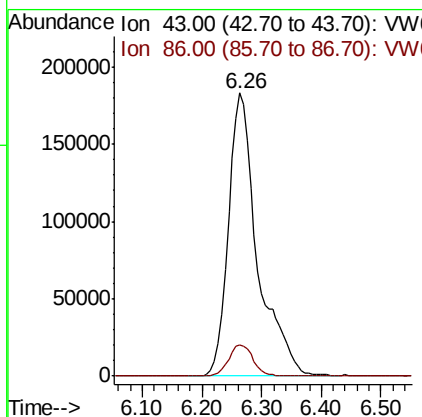
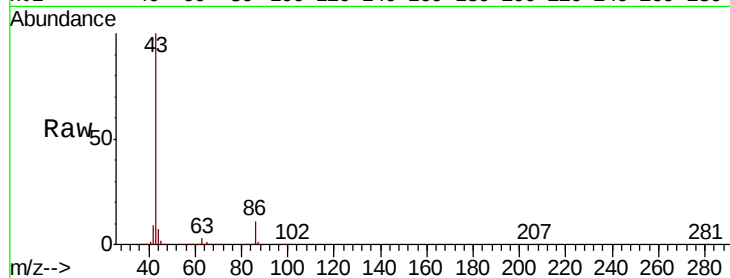




#23
 Vinyl Acetate
 Concen: 98.468 ug/l
 RT: 6.26 min Scan# 767
 Delta R.T. -0.00 min
 Lab File: VW005006.D
 Acq: 29 Aug 2018 16:28

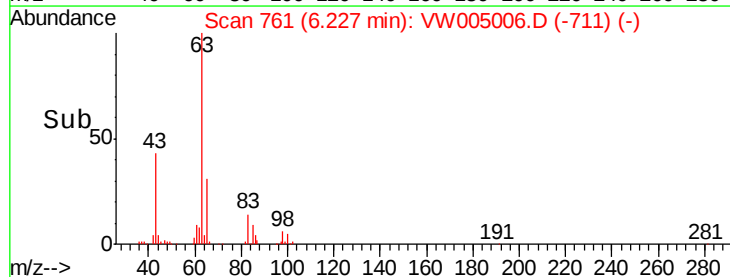
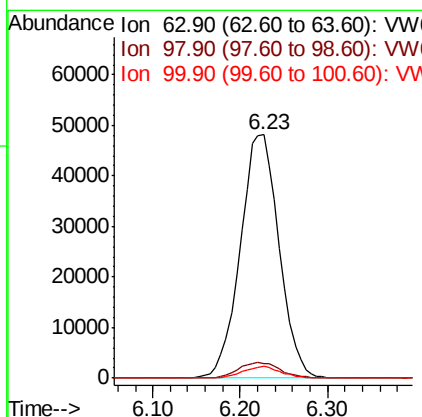
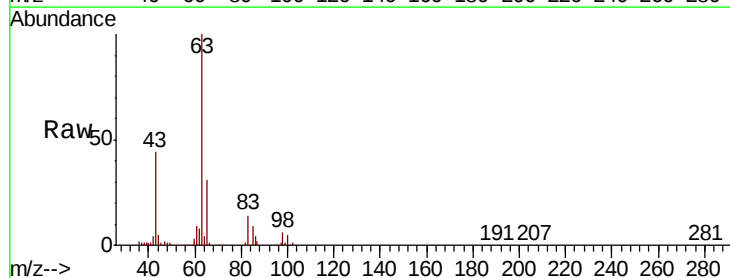
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS01

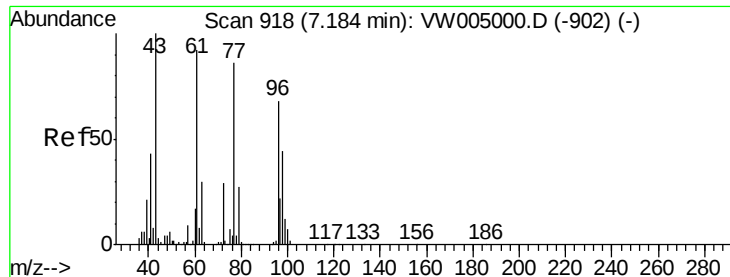
Tgt Ion: 43 Resp: 621644
 Ion Ratio Lower Upper
 43 100
 86 11.0 9.0 13.6



#24
 1,1-Dichloroethane
 Concen: 19.775 ug/l
 RT: 6.23 min Scan# 761
 Delta R.T. 0.01 min
 Lab File: VW005006.D
 Acq: 29 Aug 2018 16:28

Tgt Ion: 63 Resp: 147744
 Ion Ratio Lower Upper
 63 100
 98 6.1 3.4 10.2
 100 4.7 2.2 6.6





#25

2-Butanone

Concen: 97.969 ug/l

RT: 7.18 min Scan# 918

Delta R.T. -0.00 min

Lab File: VW005006.D

Acq: 29 Aug 2018 16:28

Instrument :

MSVOA_W

ClientSampleId :

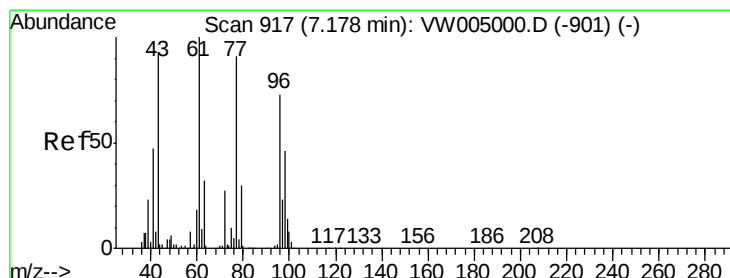
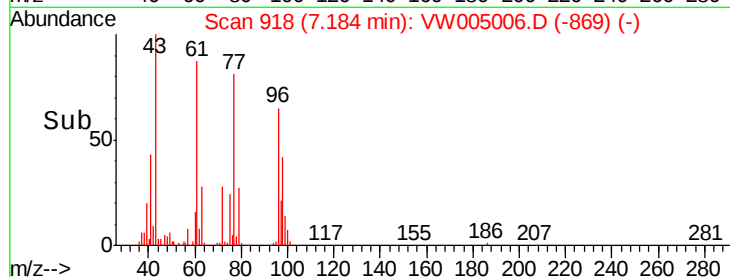
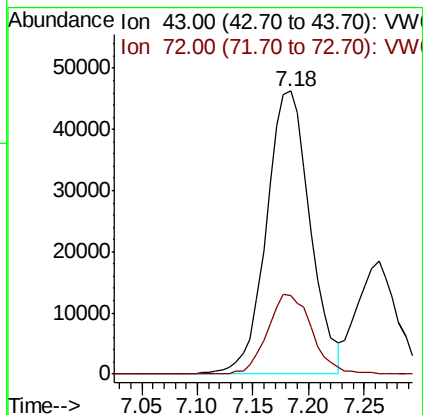
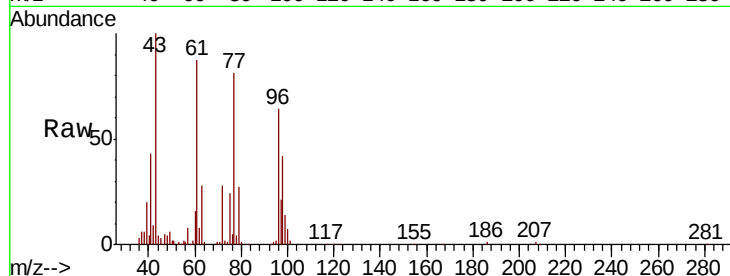
VW0829SBS01

Tgt Ion: 43 Resp: 126779

Ion Ratio Lower Upper

43 100

72 27.7 23.4 35.2



#26

2,2-Dichloropropane

Concen: 20.297 ug/l

RT: 7.17 min Scan# 916

Delta R.T. -0.01 min

Lab File: VW005006.D

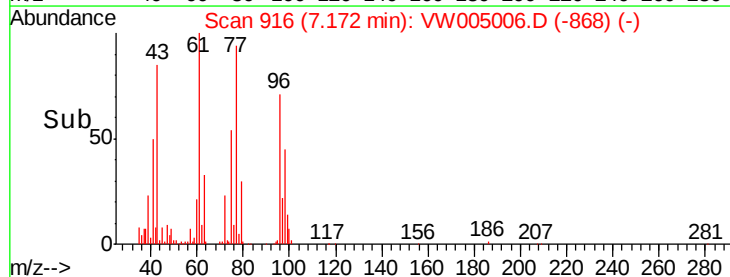
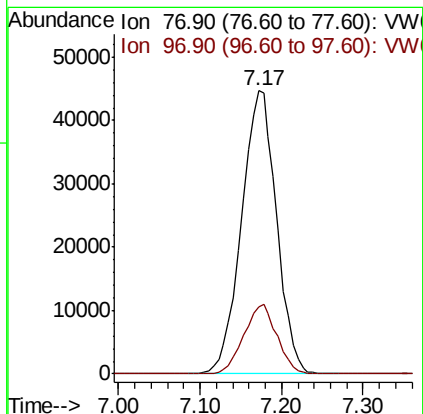
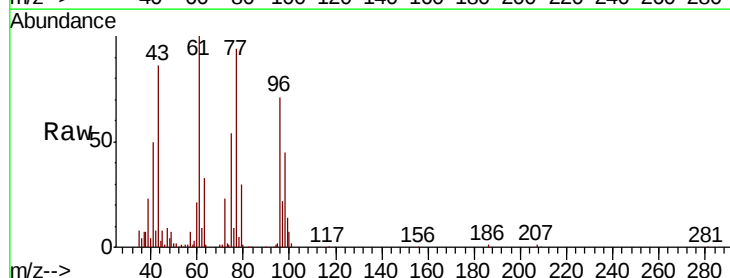
Acq: 29 Aug 2018 16:28

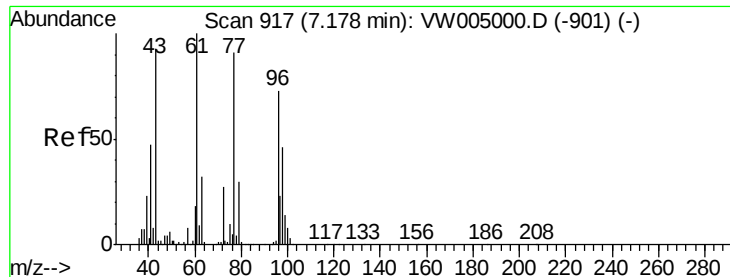
Tgt Ion: 77 Resp: 133099

Ion Ratio Lower Upper

77 100

97 23.3 12.2 36.4



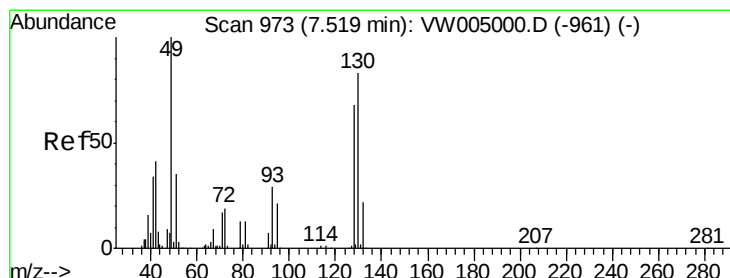
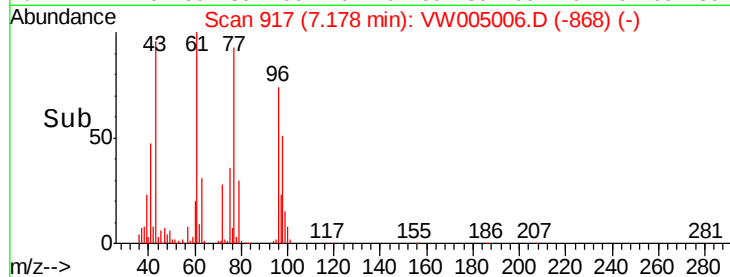
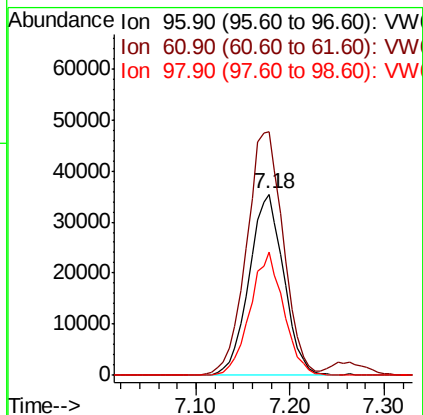
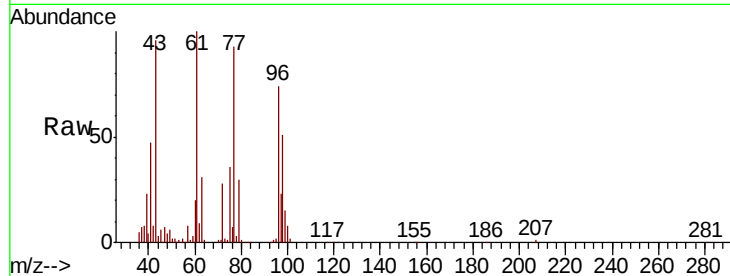


#27

cis-1,2-Dichloroethene
 Concen: 19.723 ug/l
 RT: 7.18 min Scan# 917
 Delta R.T. -0.00 min
 Lab File: VW005006.D
 Acq: 29 Aug 2018 16:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS01

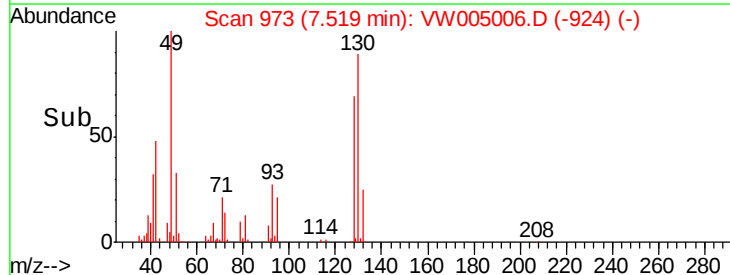
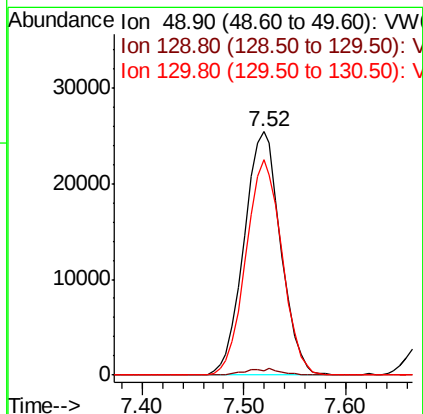
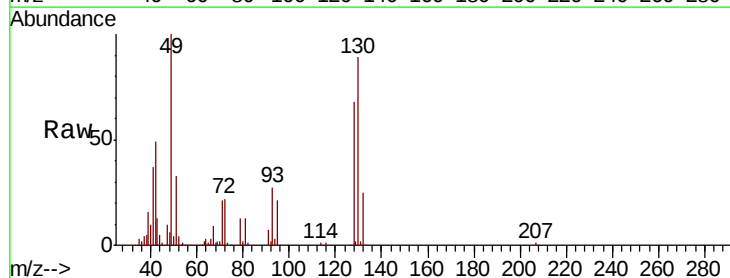
Tgt Ion: 96 Resp: 91515
 Ion Ratio Lower Upper
 96 100
 61 143.4 0.0 281.6
 98 65.6 0.0 129.0

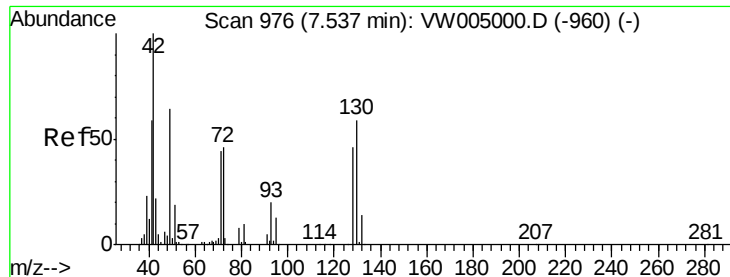


#28

Bromochloromethane
 Concen: 19.355 ug/l
 RT: 7.52 min Scan# 973
 Delta R.T. -0.00 min
 Lab File: VW005006.D
 Acq: 29 Aug 2018 16:28

Tgt Ion: 49 Resp: 63586
 Ion Ratio Lower Upper
 49 100
 129 2.4 0.0 4.2
 130 87.1 68.2 102.2





#29

Tetrahydrofuran

Concen: 94.964 ug/l

RT: 7.54 min Scan# 976

Delta R.T. -0.00 min

Lab File: VW005006.D

Acq: 29 Aug 2018 16:28

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS01

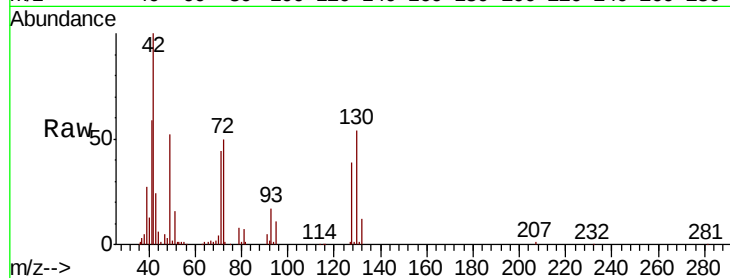
Tgt Ion: 42 Resp: 62080

Ion Ratio Lower Upper

42 100

72 47.7 36.6 55.0

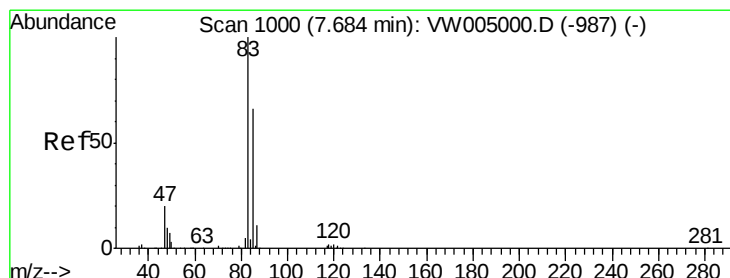
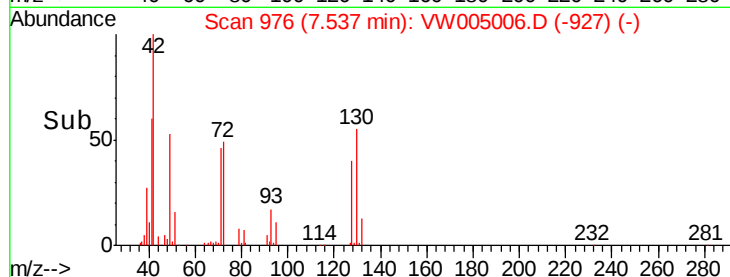
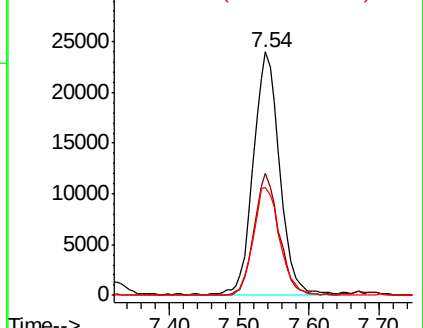
71 45.5 35.4 53.2



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: 19.538 ug/l

RT: 7.68 min Scan# 999

Delta R.T. -0.01 min

Lab File: VW005006.D

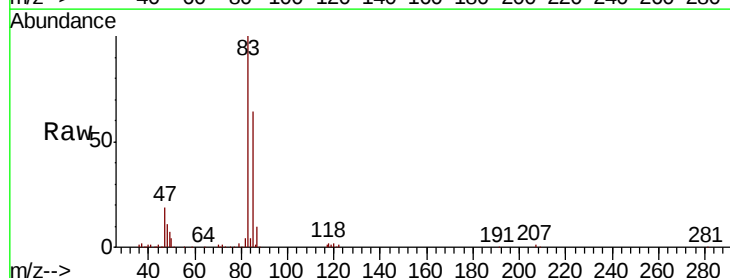
Acq: 29 Aug 2018 16:28

Tgt Ion: 83 Resp: 143579

Ion Ratio Lower Upper

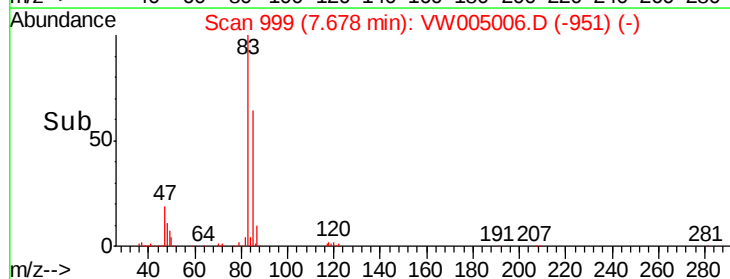
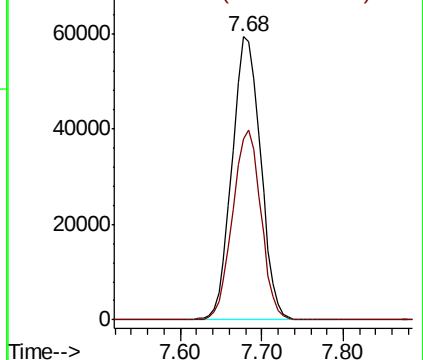
83 100

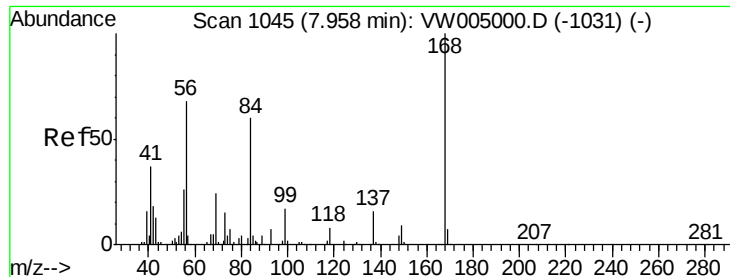
85 64.2 52.6 78.8



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

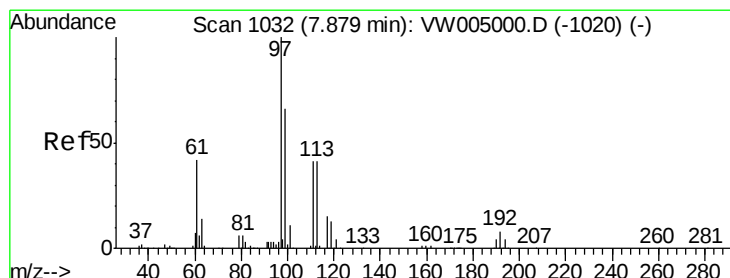
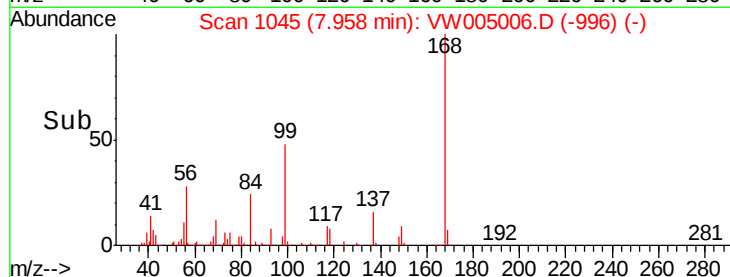
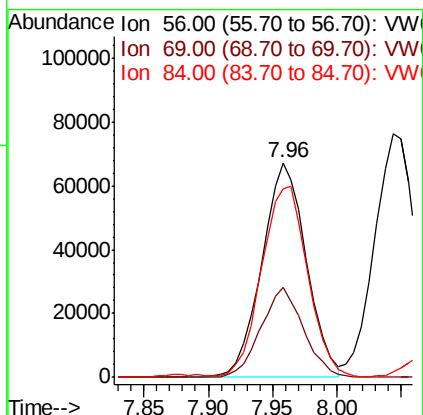
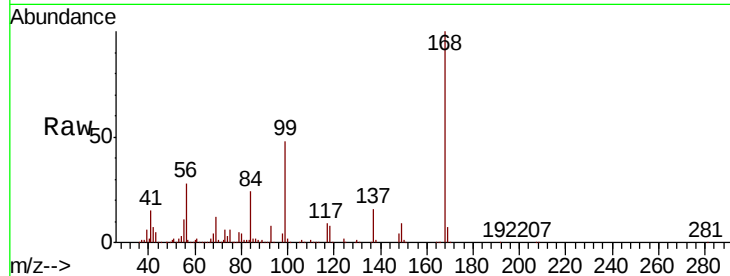




#31
Cyclohexane
Concen: 20.263 ug/l
RT: 7.96 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VW005006.D
Acq: 29 Aug 2018 16:28

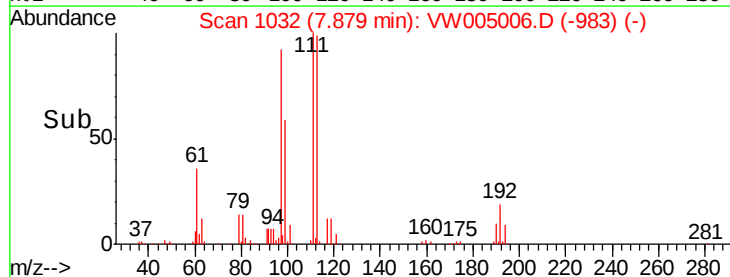
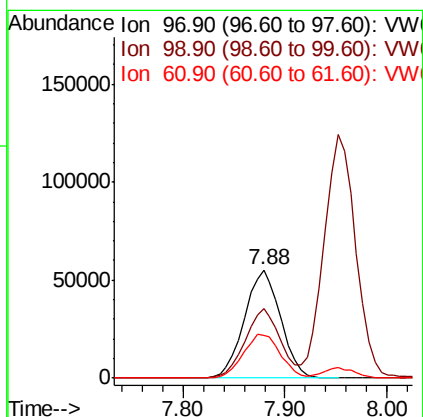
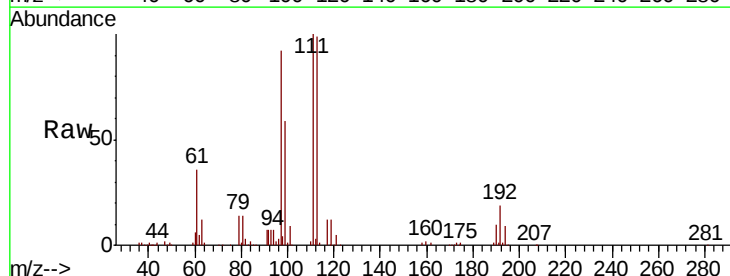
Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS01

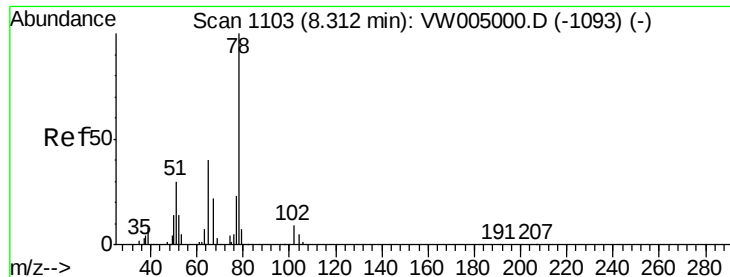
Tgt Ion: 56 Resp: 160445
Ion Ratio Lower Upper
56 100
69 42.0 27.9 41.9#
84 86.9 70.5 105.7



#32
1,1,1-Trichloroethane
Concen: 20.092 ug/l
RT: 7.88 min Scan# 1032
Delta R.T. -0.00 min
Lab File: VW005006.D
Acq: 29 Aug 2018 16:28

Tgt Ion: 97 Resp: 135852
Ion Ratio Lower Upper
97 100
99 61.8 52.3 78.5
61 41.8 33.2 49.8

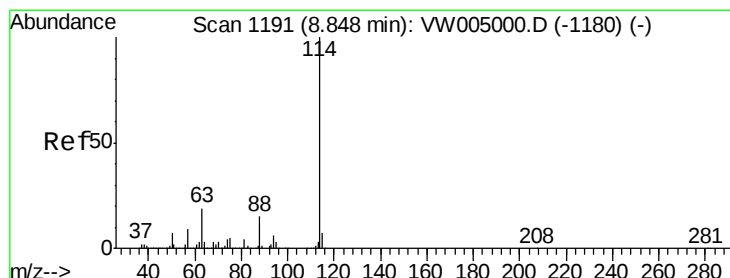
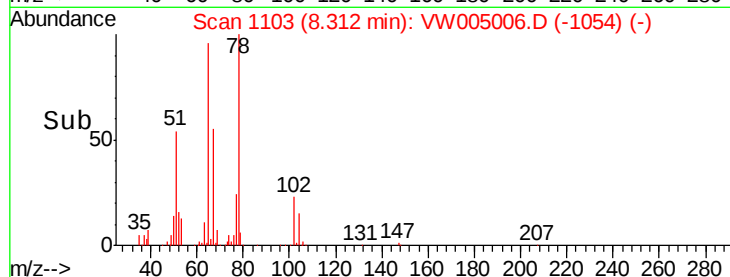
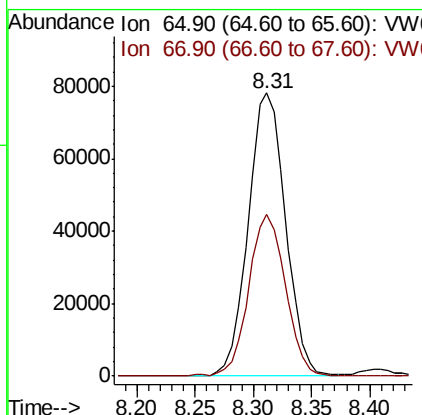
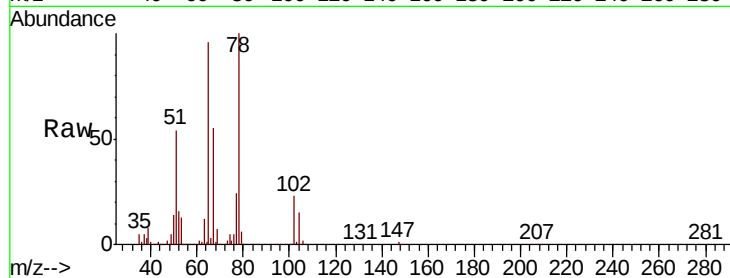




#33
 1,2-Dichloroethane-d4
 Concen: 47.273 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. -0.00 min
 Lab File: VW005006.D
 Acq: 29 Aug 2018 16:28

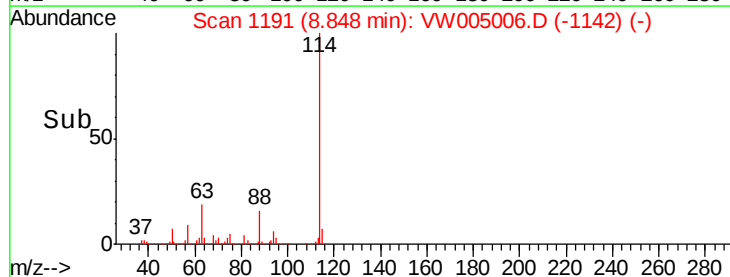
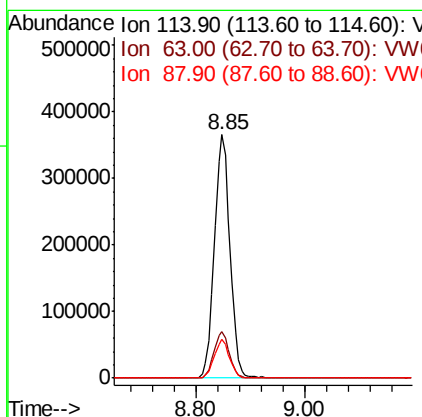
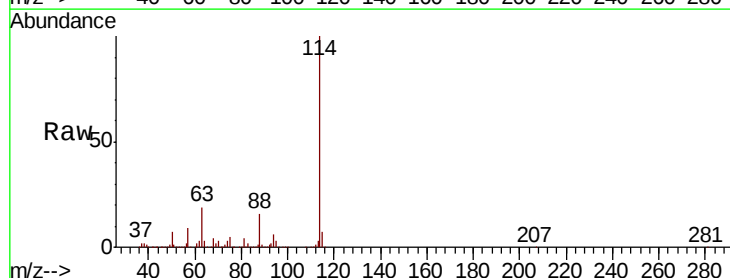
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS01

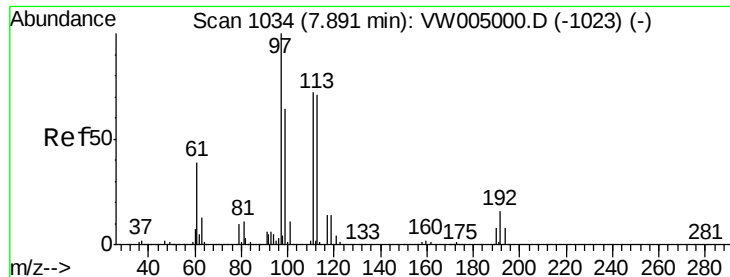
Tgt Ion: 65 Resp: 173956
 Ion Ratio Lower Upper
 65 100
 67 56.4 0.0 112.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW005006.D
 Acq: 29 Aug 2018 16:28

Tgt Ion: 114 Resp: 723514
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 38.4
 88 15.7 0.0 30.6





#35

Dibromofluoromethane

Concen: 50.377 ug/l

RT: 7.89 min Scan# 1034

Delta R.T. -0.00 min

Lab File: VW005006.D

Acq: 29 Aug 2018 16:28

Instrument :

MSVOA_W

ClientSampled :

VW0829SBS01

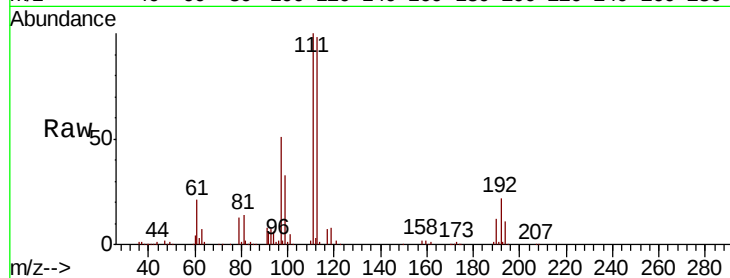
Tgt Ion:113 Resp: 180618

Ion Ratio Lower Upper

113 100

111 101.8 81.3 121.9

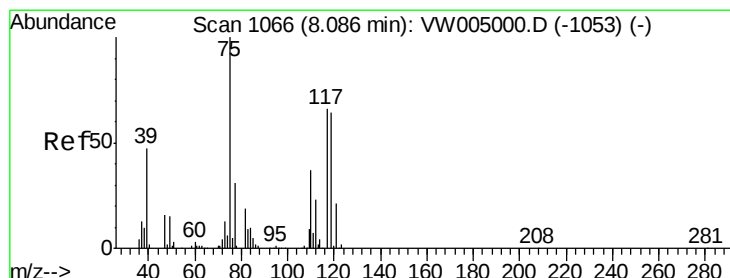
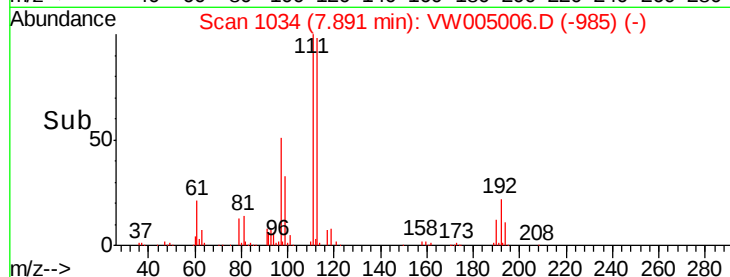
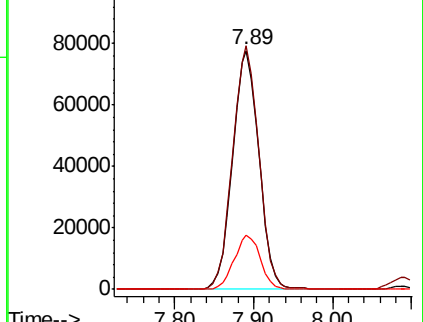
192 22.5 17.8 26.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.713 ug/l

RT: 8.09 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW005006.D

Acq: 29 Aug 2018 16:28

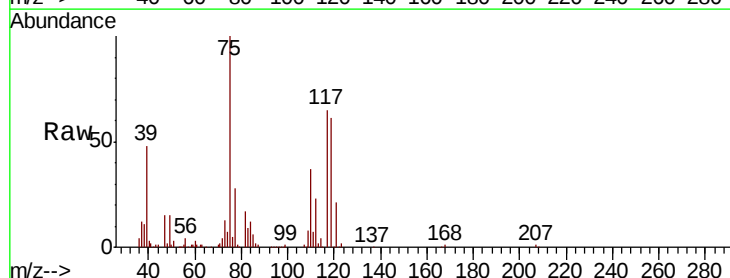
Tgt Ion: 75 Resp: 126982

Ion Ratio Lower Upper

75 100

110 37.4 18.7 56.1

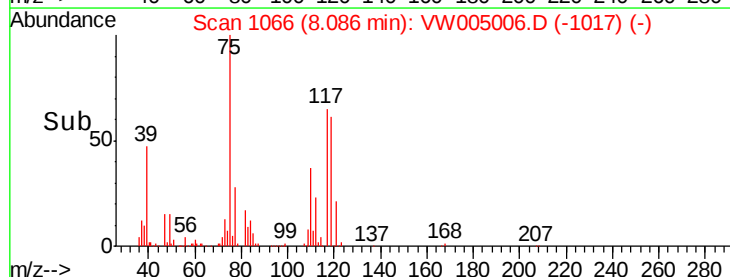
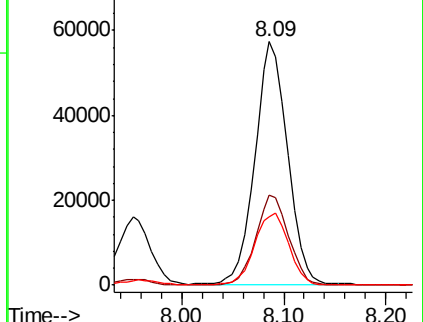
77 31.4 24.9 37.3

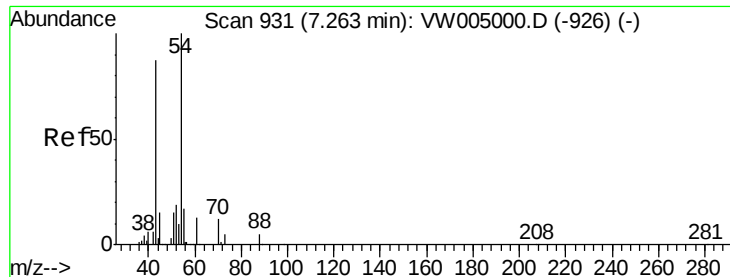


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

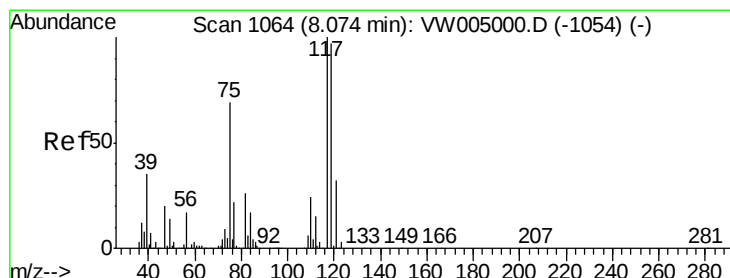
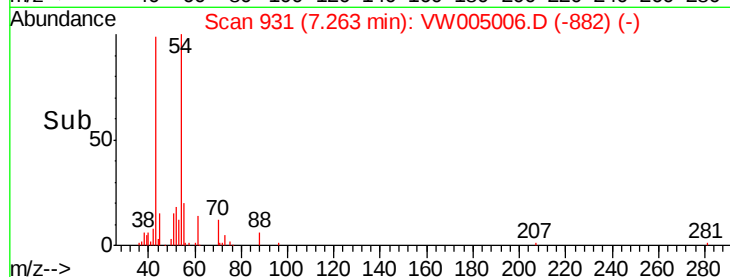
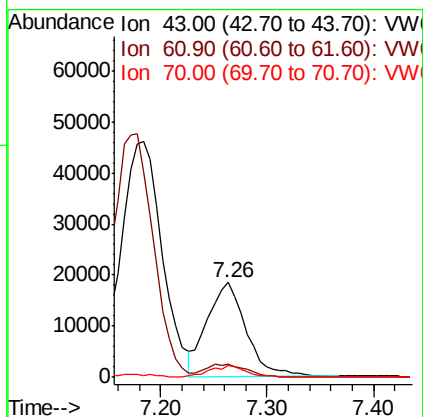
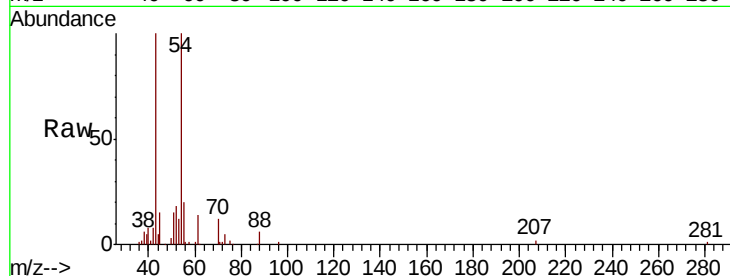




#37
 Ethyl Acetate
 Concen: 21.127 ug/l
 RT: 7.26 min Scan# 931
 Delta R.T. -0.00 min
 Lab File: VW005006.D
 Acq: 29 Aug 2018 16:28

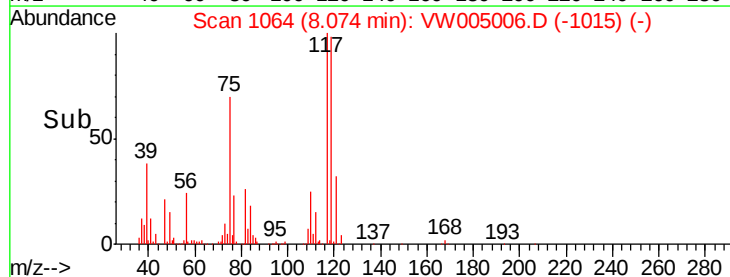
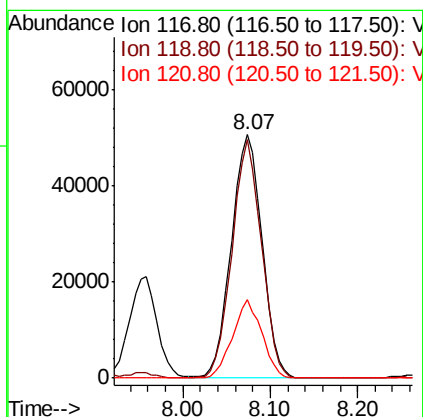
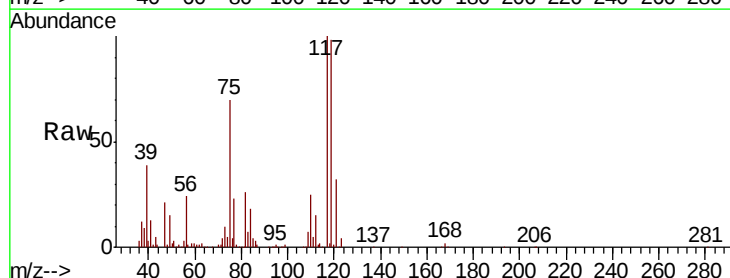
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS01

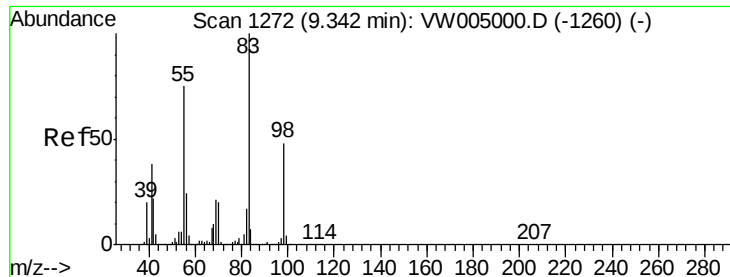
Tgt Ion: 43 Resp: 46684
 Ion Ratio Lower Upper
 43 100
 61 14.5 12.3 18.5
 70 11.8 9.7 14.5



#38
 Carbon Tetrachloride
 Concen: 20.889 ug/l
 RT: 8.07 min Scan# 1064
 Delta R.T. -0.00 min
 Lab File: VW005006.D
 Acq: 29 Aug 2018 16:28

Tgt Ion: 117 Resp: 123933
 Ion Ratio Lower Upper
 117 100
 119 97.9 77.8 116.8
 121 32.2 25.2 37.8

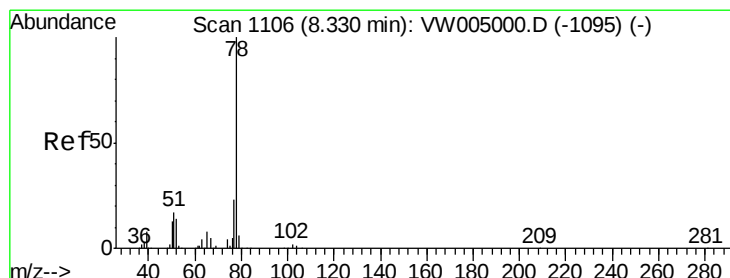
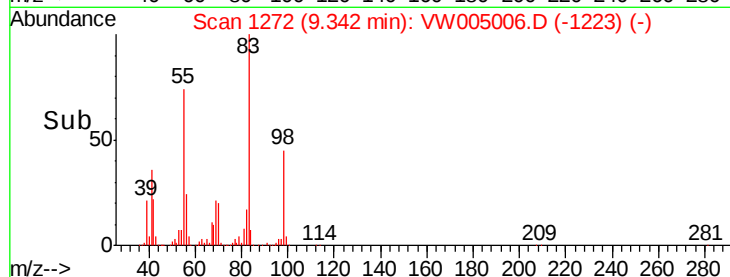
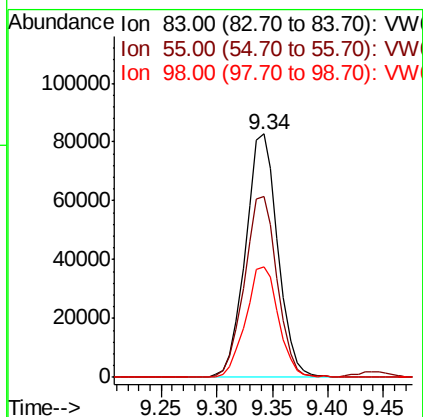
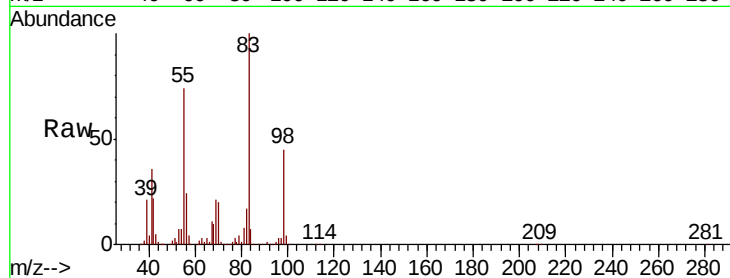




#39
Methylcyclohexane
Concen: 19.749 ug/l
RT: 9.34 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VW005006.D
Acq: 29 Aug 2018 16:28

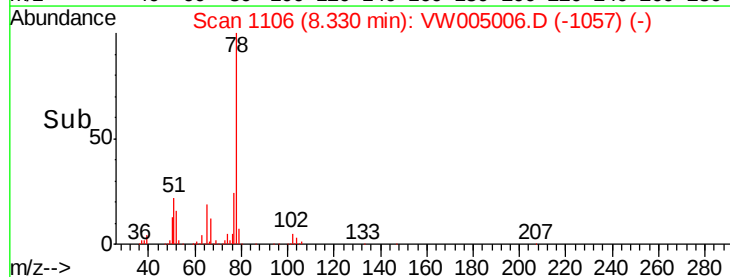
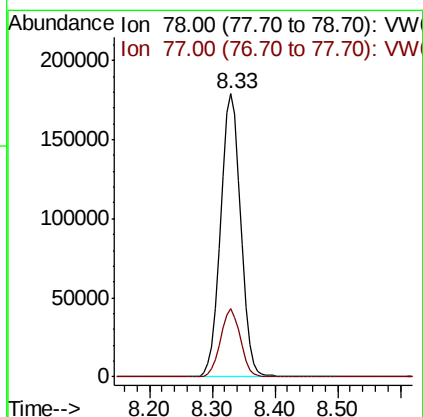
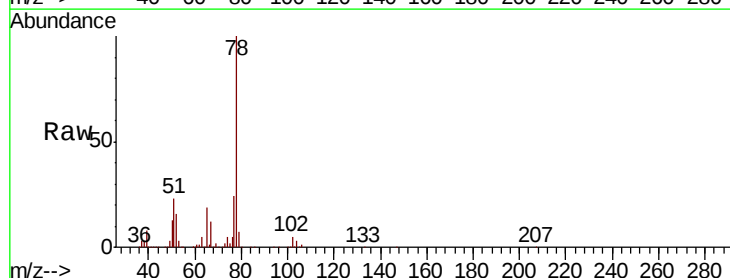
Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS01

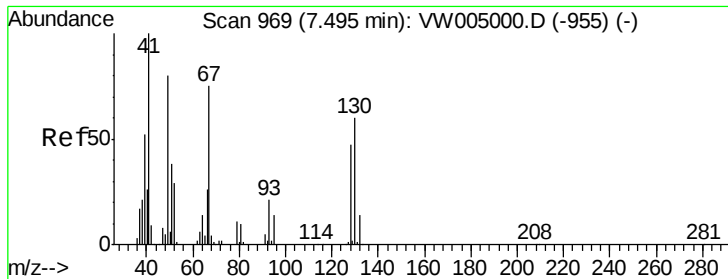
Tgt Ion: 83 Resp: 166897
Ion Ratio Lower Upper
83 100
55 74.4 60.2 90.2
98 45.2 38.6 57.8



#40
Benzene
Concen: 20.263 ug/l
RT: 8.33 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VW005006.D
Acq: 29 Aug 2018 16:28

Tgt Ion: 78 Resp: 397627
Ion Ratio Lower Upper
78 100
77 24.2 18.6 28.0

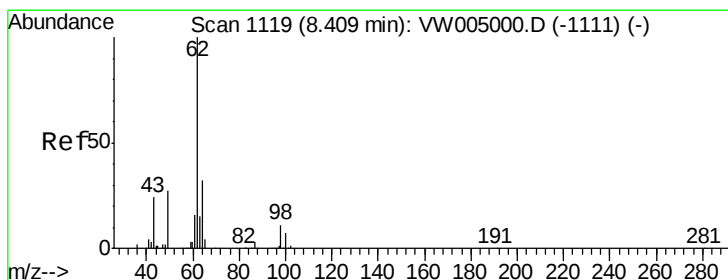
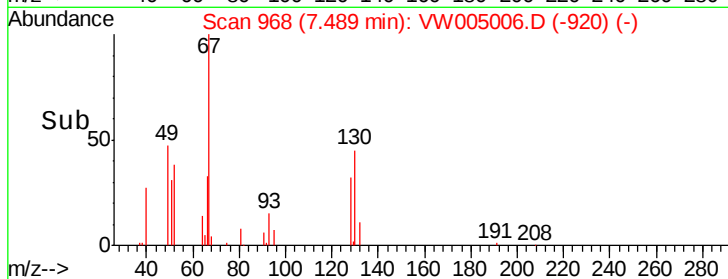
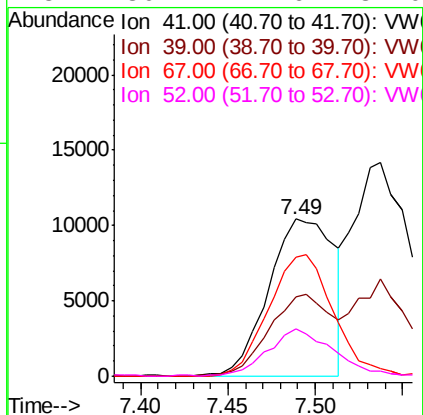
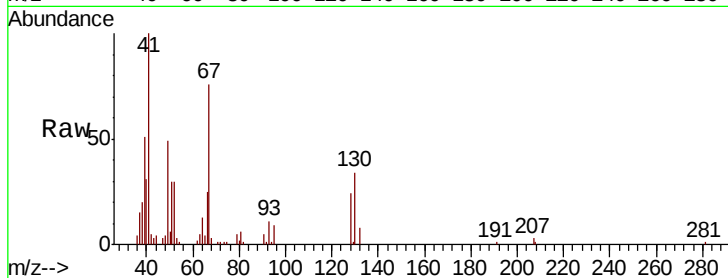




#41
Methacrylonitrile
Concen: 21.195 ug/l
RT: 7.49 min Scan# 968
Delta R.T. -0.01 min
Lab File: VW005006.D
Acq: 29 Aug 2018 16:28

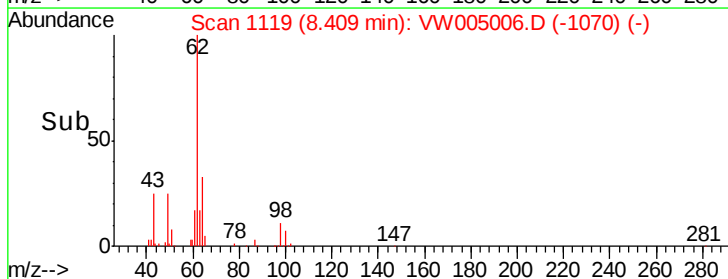
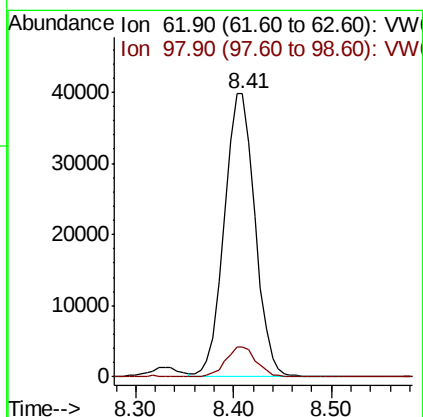
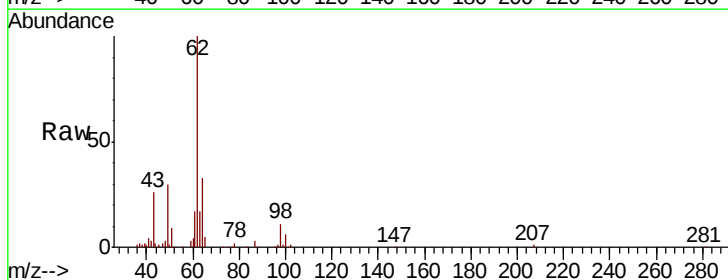
Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS01

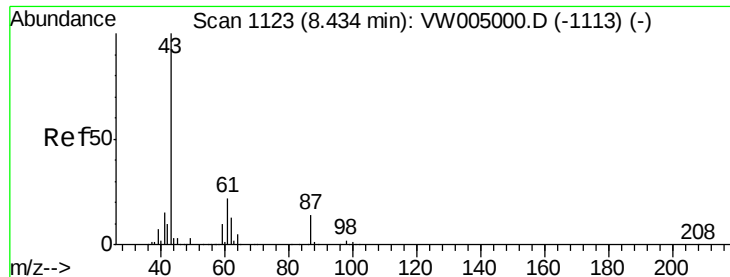
Tgt Ion:	41	Resp:	27293
Ion	Ratio	Lower	Upper
41	100		
39	50.0	42.0	63.0
67	77.0	63.4	95.2
52	30.2	24.6	37.0



#42
1,2-Dichloroethane
Concen: 19.854 ug/l
RT: 8.41 min Scan# 1119
Delta R.T. -0.00 min
Lab File: VW005006.D
Acq: 29 Aug 2018 16:28

Tgt Ion:	62	Resp:	86692
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	20.8





#43

Isopropyl Acetate

Concen: 19.333 ug/l

RT: 8.43 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VW005006.D

Acq: 29 Aug 2018 16:28

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS01

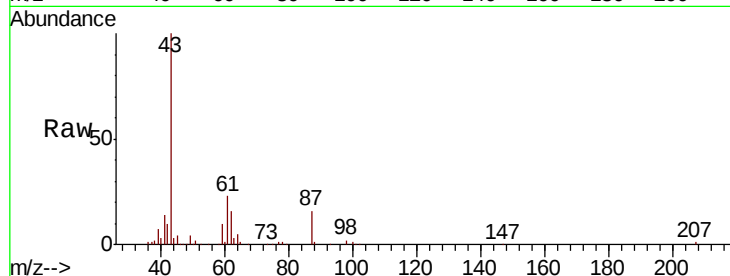
Tgt Ion: 43 Resp: 85005

Ion Ratio Lower Upper

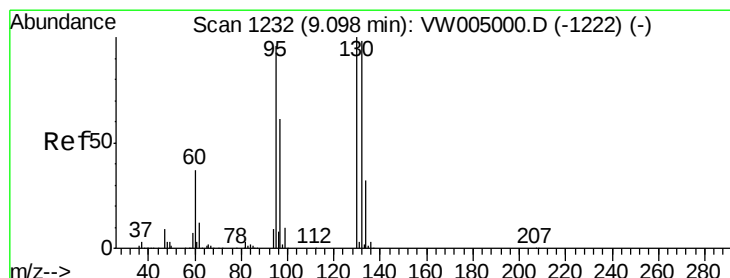
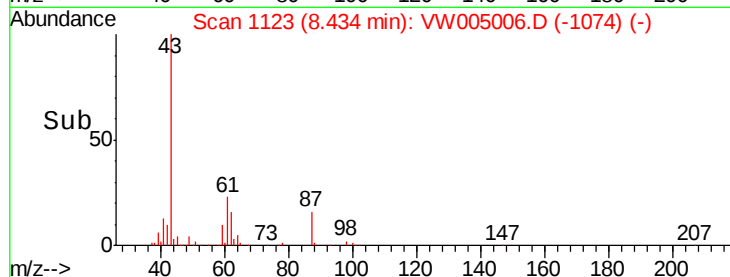
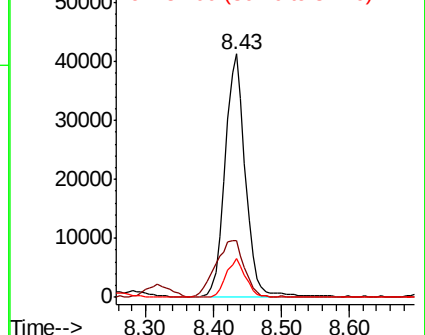
43 100

61 32.3 26.2 39.4

87 15.1 11.8 17.6



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 20.150 ug/l

RT: 9.10 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VW005006.D

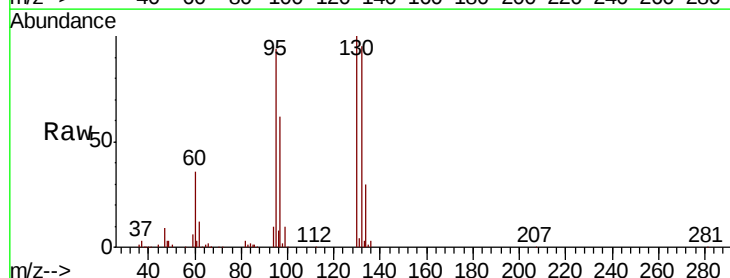
Acq: 29 Aug 2018 16:28

Tgt Ion: 130 Resp: 100996

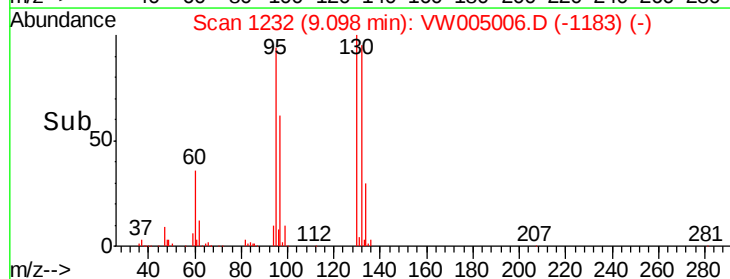
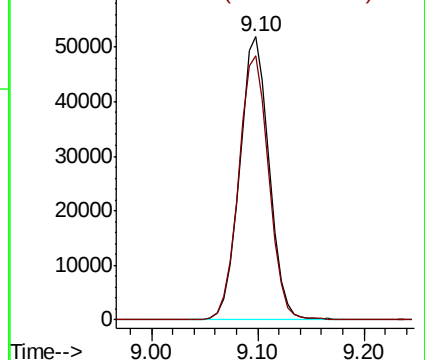
Ion Ratio Lower Upper

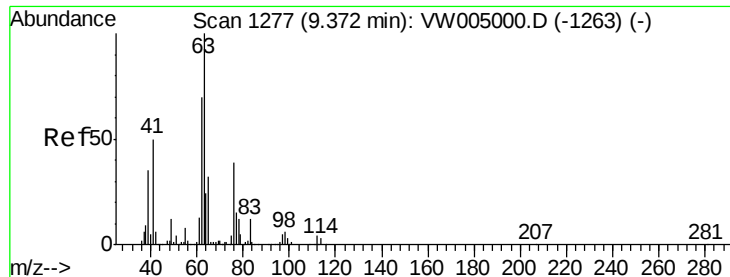
130 100

95 93.5 0.0 192.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW

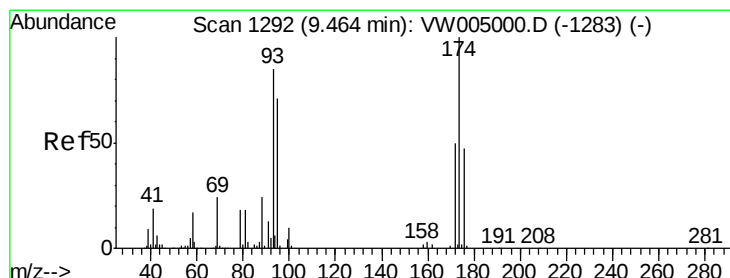
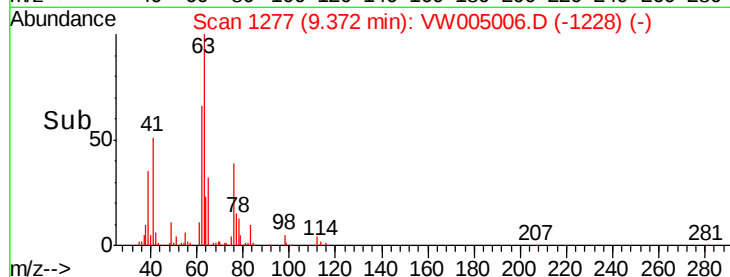
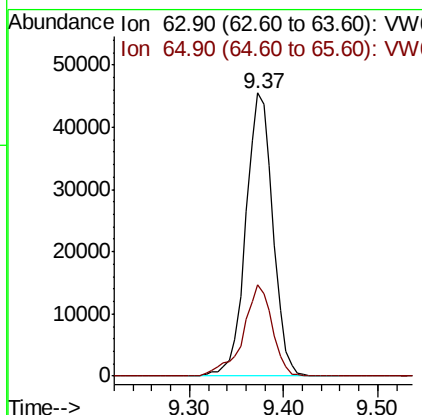
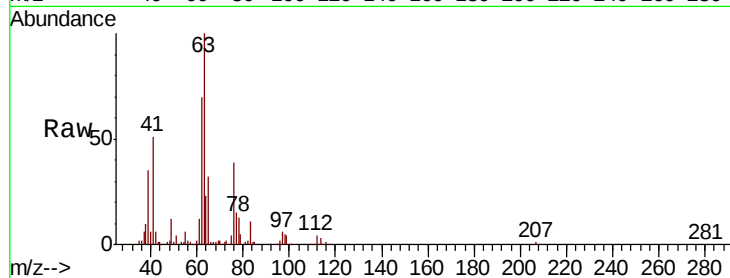




#45
 1,2-Dichloropropane
 Concen: 20.424 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW005006.D
 Acq: 29 Aug 2018 16:28

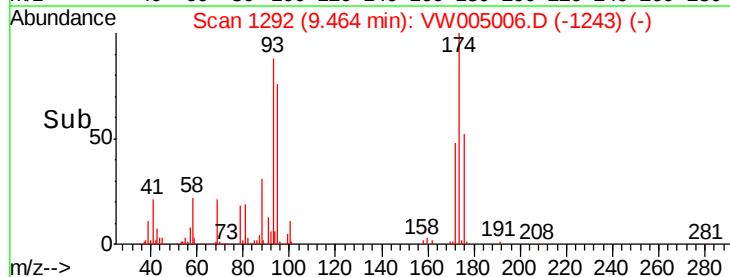
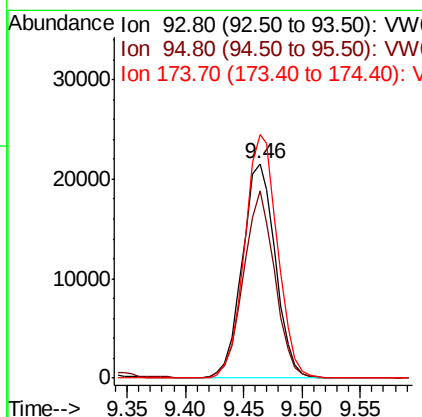
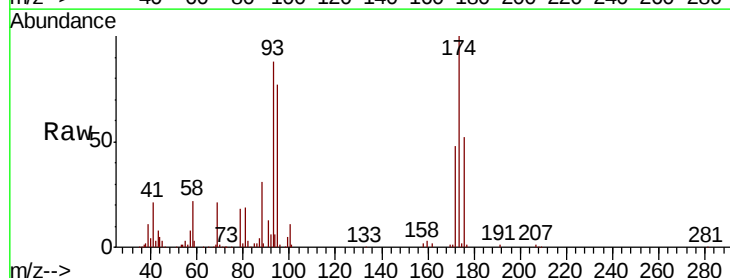
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS01

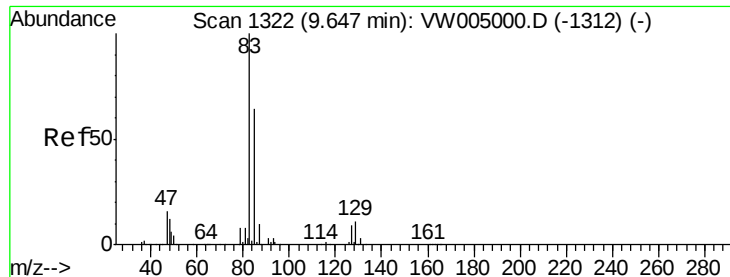
Tgt Ion: 63 Resp: 91698
 Ion Ratio Lower Upper
 63 100
 65 32.1 25.3 37.9



#46
 Dibromomethane
 Concen: 20.115 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. -0.00 min
 Lab File: VW005006.D
 Acq: 29 Aug 2018 16:28

Tgt Ion: 93 Resp: 42744
 Ion Ratio Lower Upper
 93 100
 95 82.9 68.0 102.0
 174 113.0 91.4 137.0





#47

Bromodichloromethane

Concen: 20.350 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW005006.D

Acq: 29 Aug 2018 16:28

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS01

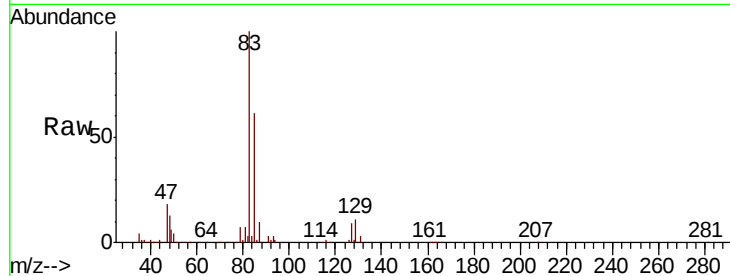
Tgt Ion: 83 Resp: 106851

Ion Ratio Lower Upper

83 100

85 61.2 51.3 76.9

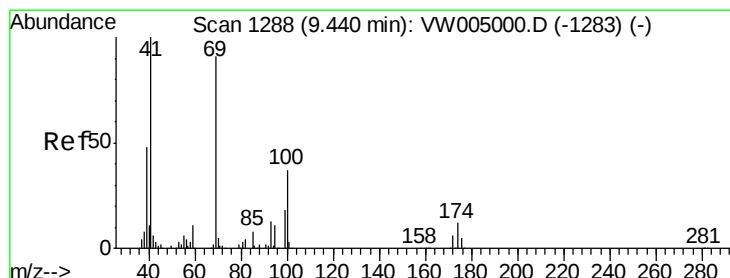
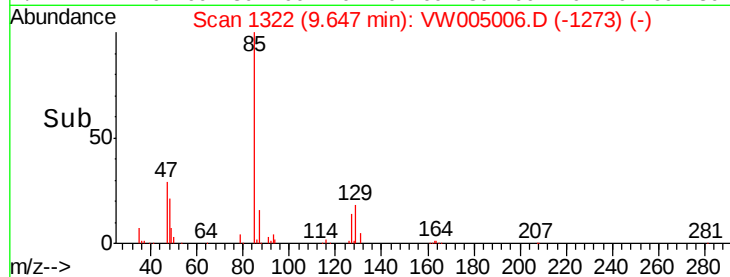
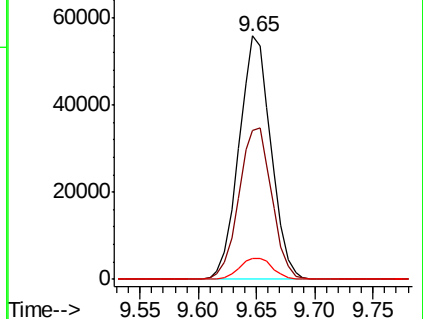
127 8.8 7.2 10.8



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: 18.245 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VW005006.D

Acq: 29 Aug 2018 16:28

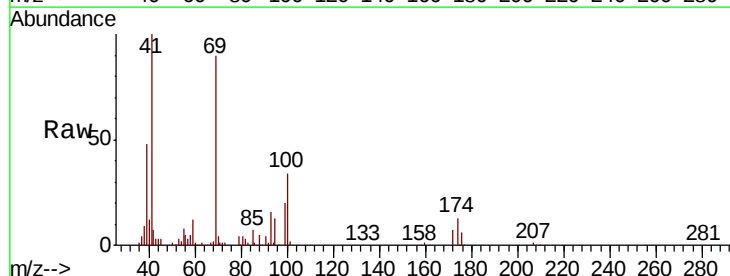
Tgt Ion: 41 Resp: 42664

Ion Ratio Lower Upper

41 100

69 104.2 72.5 108.7

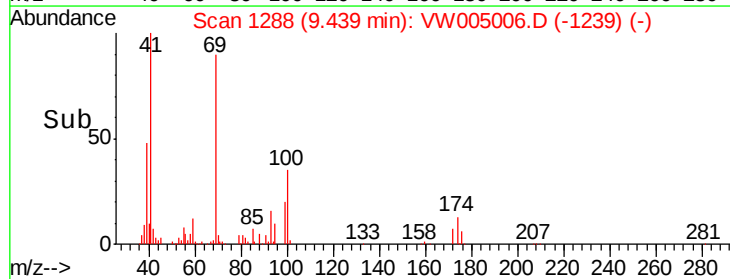
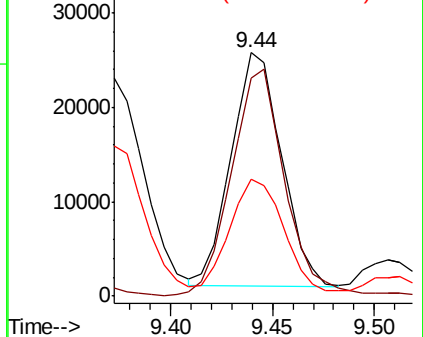
39 49.7 37.0 55.6

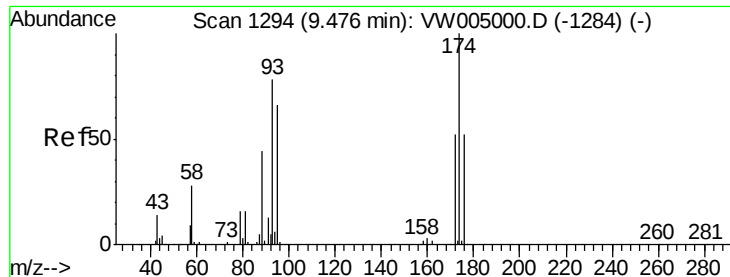


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 394.565 ug/l

RT: 9.46 min Scan# 1292

Delta R.T. -0.01 min

Lab File: VW005006.D

Acq: 29 Aug 2018 16:28

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS01

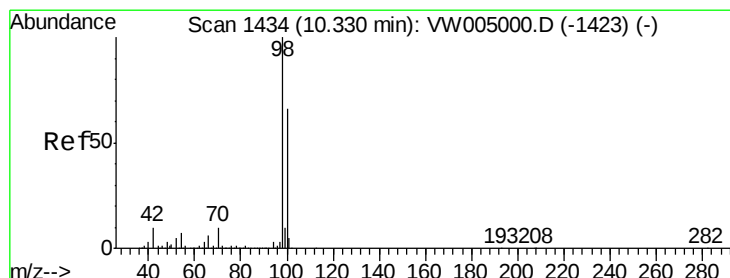
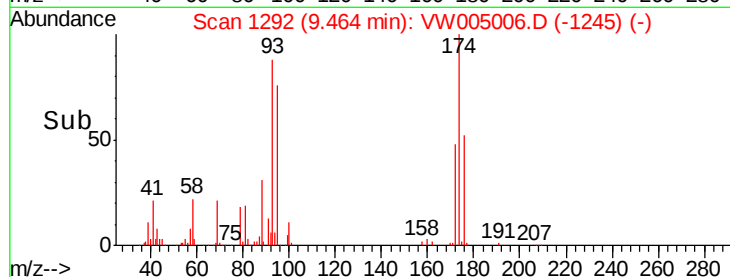
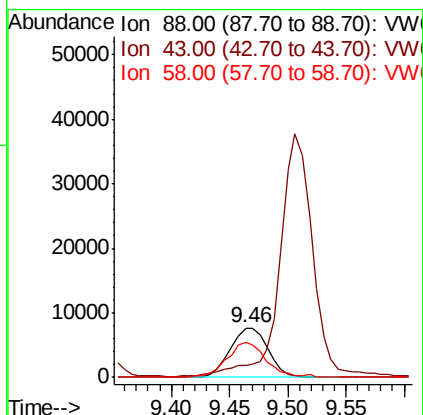
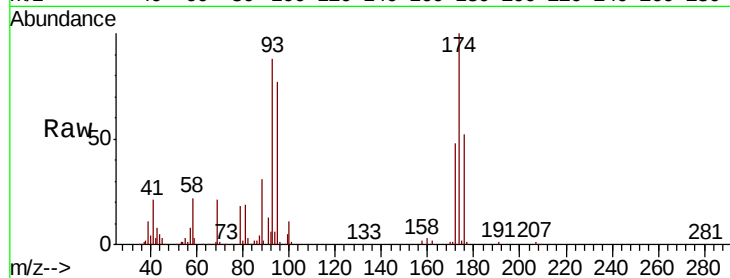
Tgt Ion: 88 Resp: 17399

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 73.9 57.0 85.4



#50

Toluene-d8

Concen: 52.627 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW005006.D

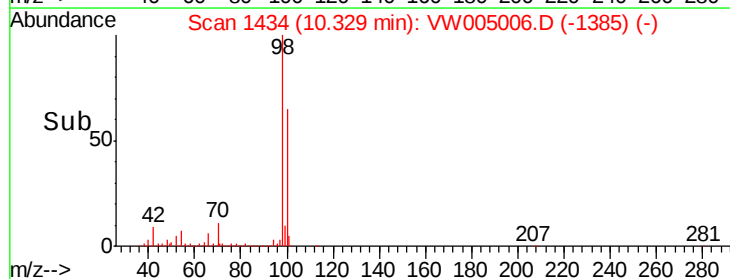
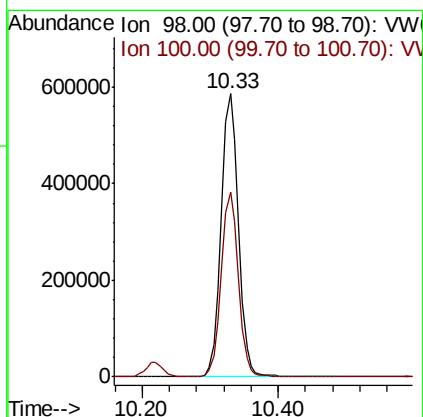
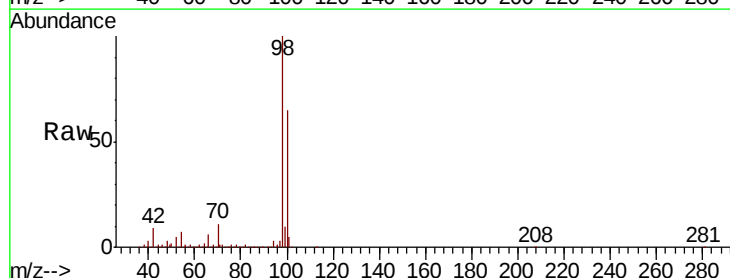
Acq: 29 Aug 2018 16:28

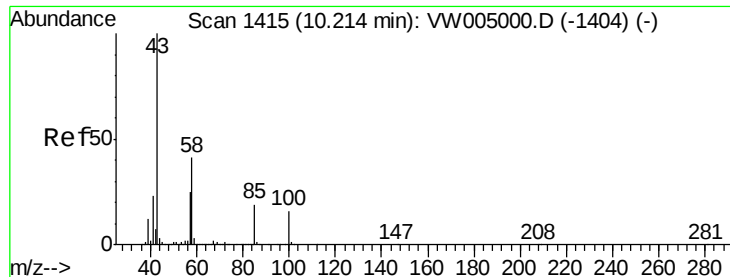
Tgt Ion: 98 Resp: 1035928

Ion Ratio Lower Upper

98 100

100 64.8 51.9 77.9

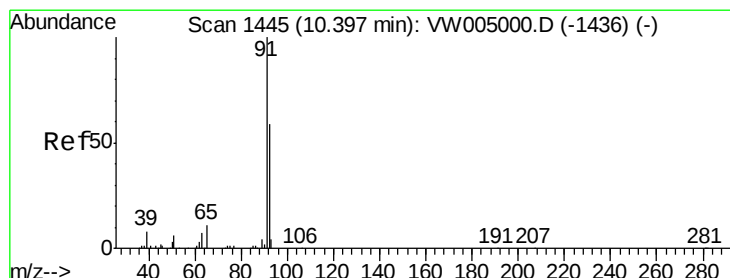
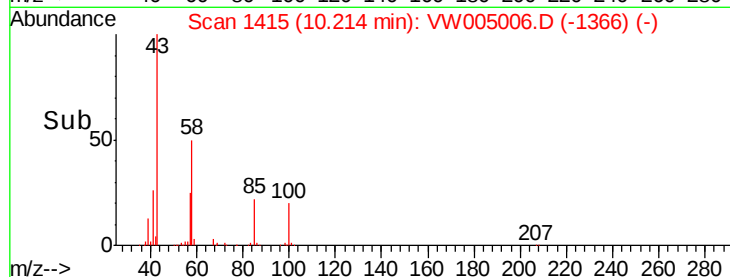
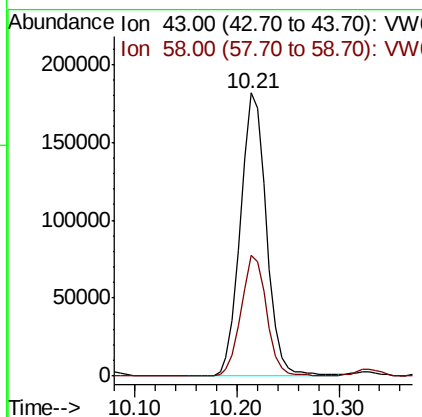
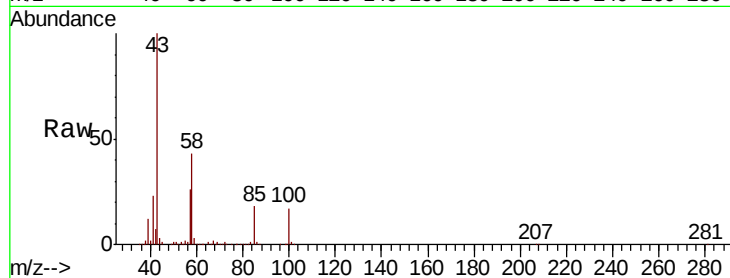




#51
 4-Methyl-2-Pentanone
 Concen: 97.239 ug/l
 RT: 10.21 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VW005006.D
 Acq: 29 Aug 2018 16:28

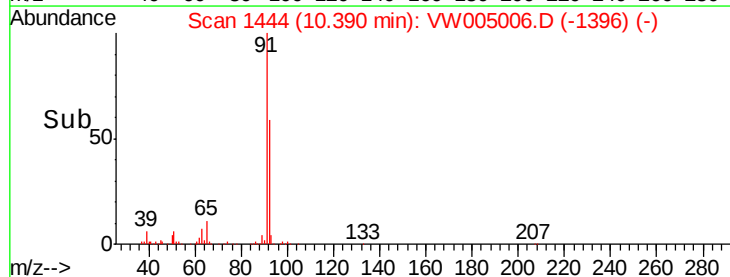
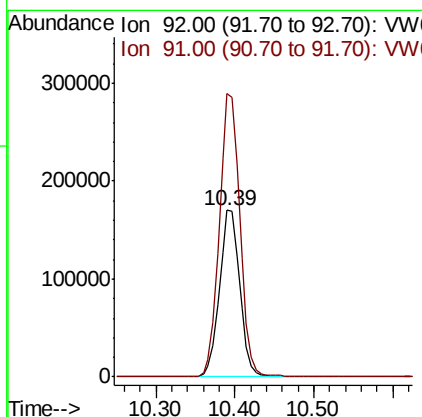
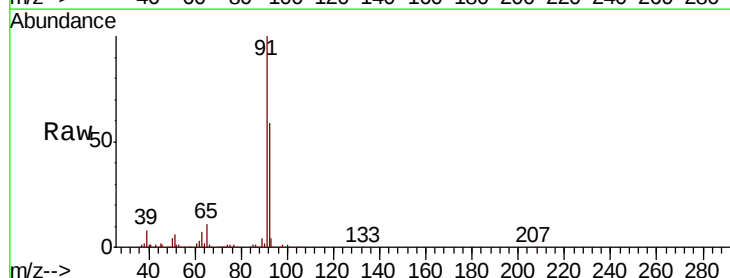
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS01

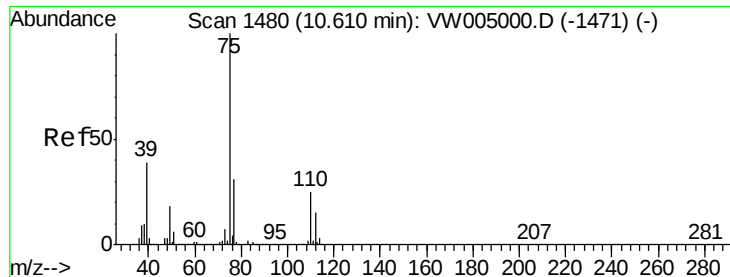
Tgt Ion: 43 Resp: 320212
 Ion Ratio Lower Upper
 43 100
 58 42.0 33.5 50.3



#52
 Toluene
 Concen: 21.010 ug/l
 RT: 10.39 min Scan# 1444
 Delta R.T. -0.01 min
 Lab File: VW005006.D
 Acq: 29 Aug 2018 16:28

Tgt Ion: 92 Resp: 305879
 Ion Ratio Lower Upper
 92 100
 91 172.3 137.4 206.2





#53

t-1,3-Dichloropropene

Concen: 19.934 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW005006.D

Acq: 29 Aug 2018 16:28

Instrument :

MSVOA_W

ClientSampleId :

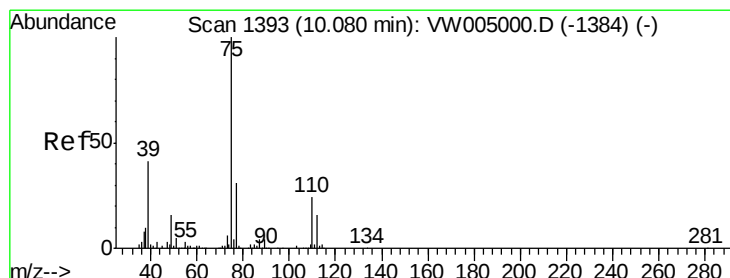
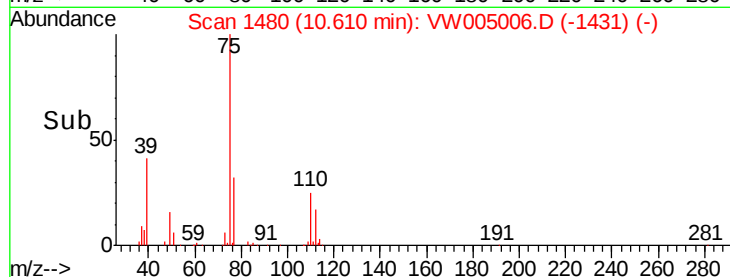
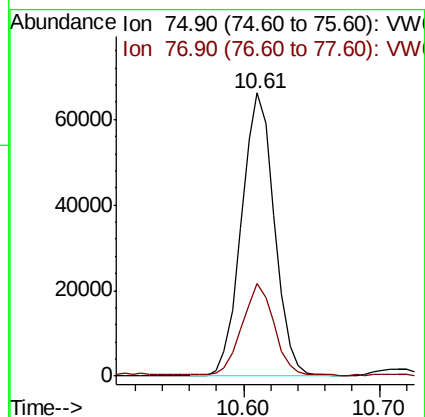
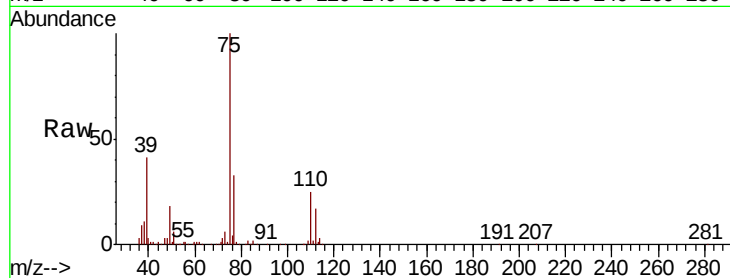
VW0829SBS01

Tgt Ion: 75 Resp: 111778

Ion Ratio Lower Upper

75 100

77 32.2 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 20.133 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW005006.D

Acq: 29 Aug 2018 16:28

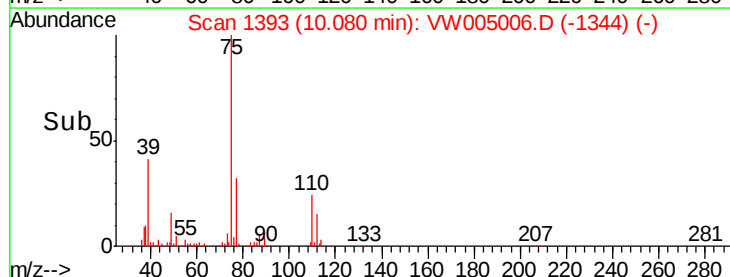
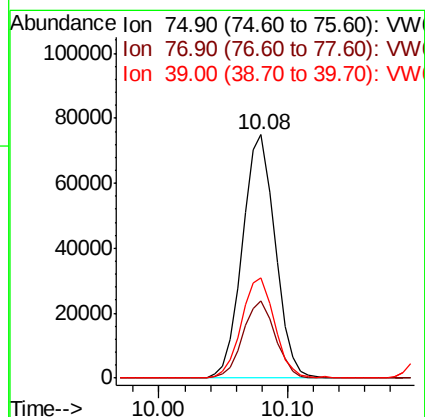
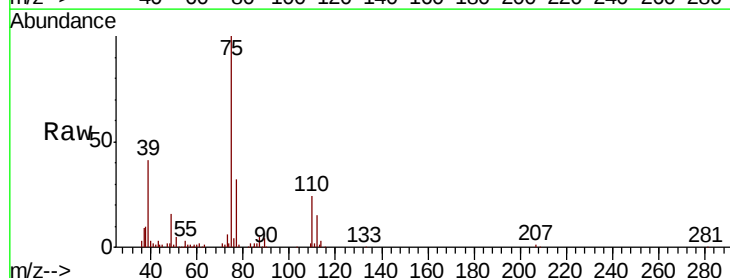
Tgt Ion: 75 Resp: 131646

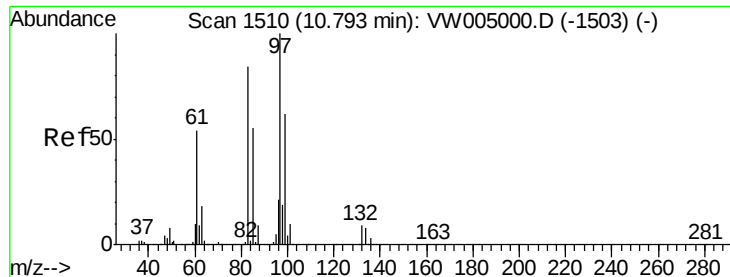
Ion Ratio Lower Upper

75 100

77 31.9 25.2 37.8

39 40.8 32.9 49.3

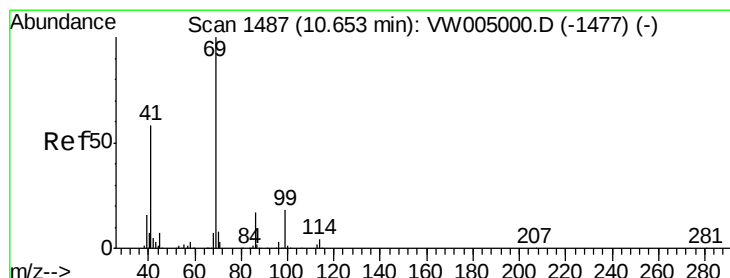
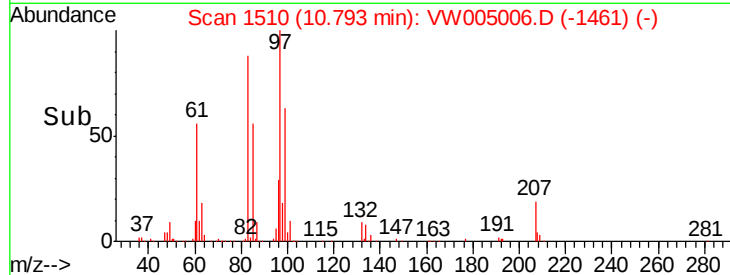
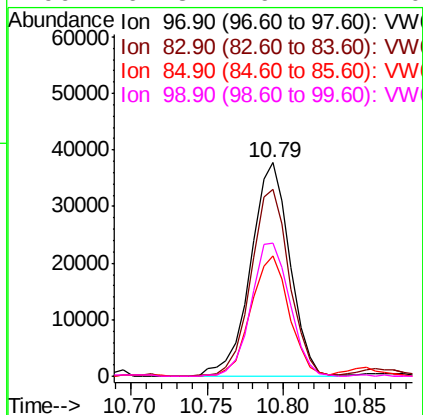
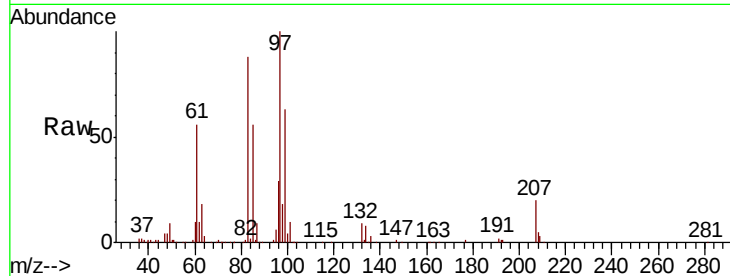




#55
 1,1,2-Trichloroethane
 Concen: 19.352 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW005006.D
 Acq: 29 Aug 2018 16:28

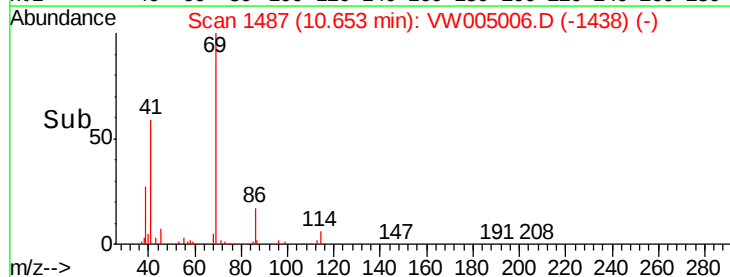
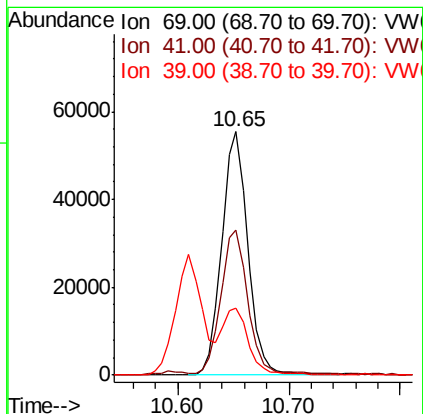
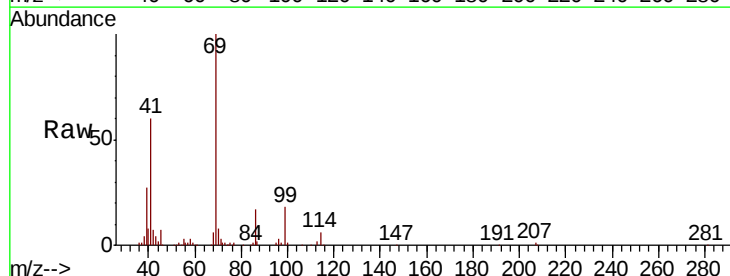
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS01

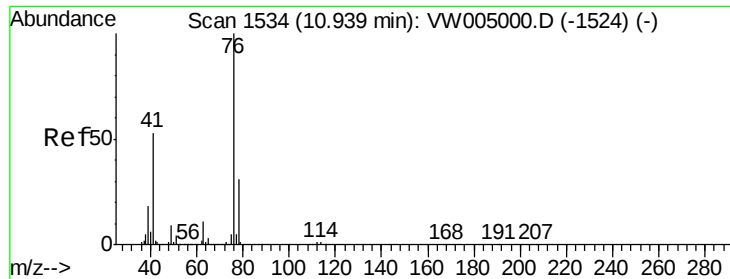
Tgt Ion:	97	Resp:	67308
Ion	Ratio	Lower	Upper
97	100		
83	87.5	67.3	100.9
85	56.4	44.3	66.5
99	62.3	49.4	74.0



#56
 Ethyl methacrylate
 Concen: 19.693 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VW005006.D
 Acq: 29 Aug 2018 16:28

Tgt Ion:	69	Resp:	89841
Ion	Ratio	Lower	Upper
69	100		
41	60.7	47.7	71.5
39	26.4	21.0	31.6





#57

1,3-Dichloropropane

Concen: 19.622 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.00 min

Lab File: VW005006.D

Acq: 29 Aug 2018 16:28

Instrument :

MSVOA_W

ClientSampleId :

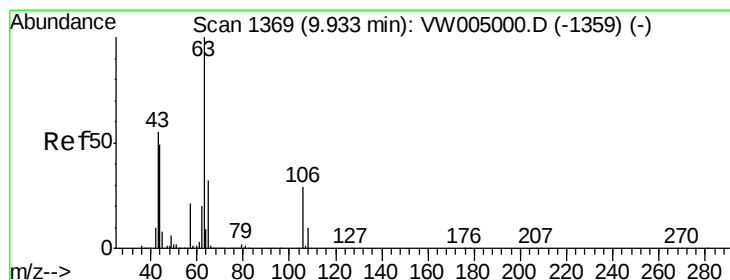
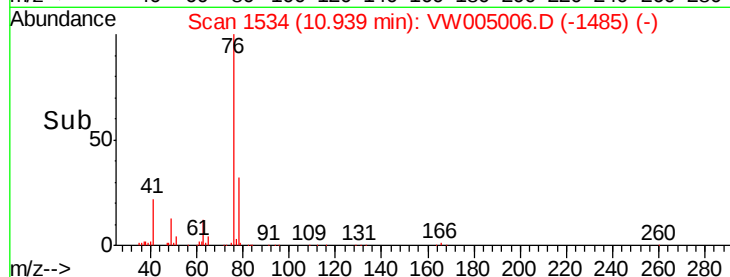
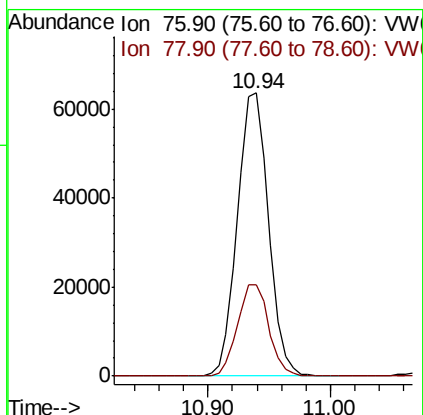
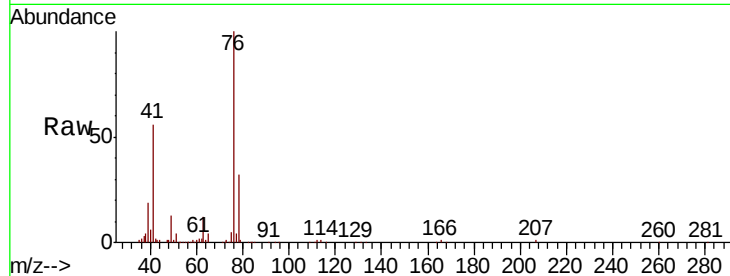
VW0829SBS01

Tgt Ion: 76 Resp: 112304

Ion Ratio Lower Upper

76 100

78 32.4 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 95.085 ug/l

RT: 9.93 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VW005006.D

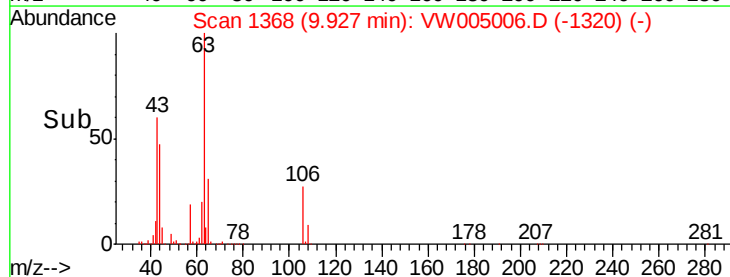
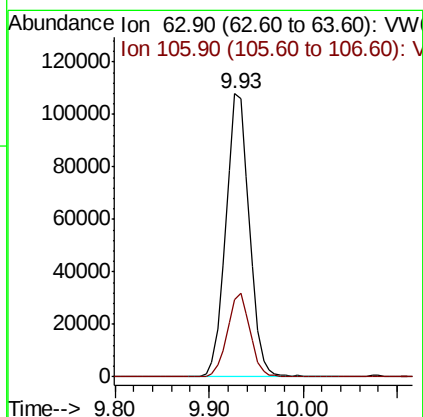
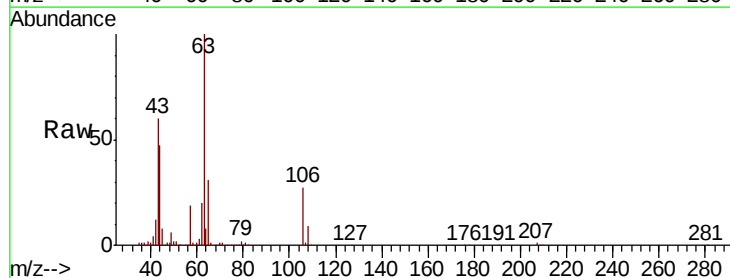
Acq: 29 Aug 2018 16:28

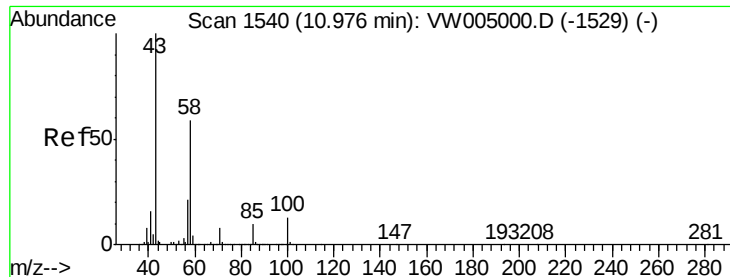
Tgt Ion: 63 Resp: 186886

Ion Ratio Lower Upper

63 100

106 28.8 23.2 34.8

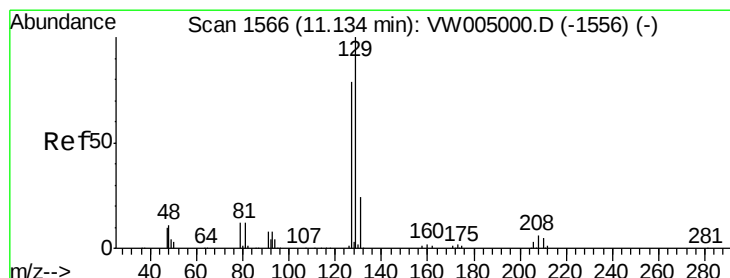
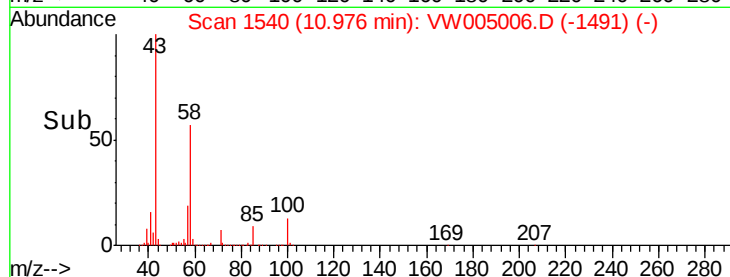
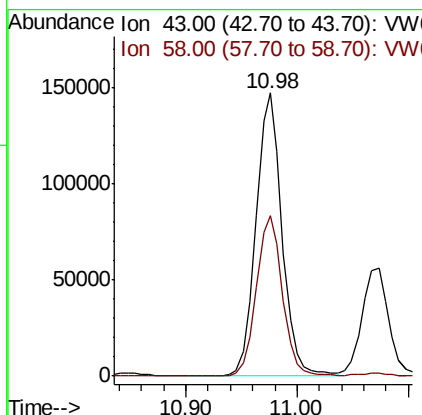
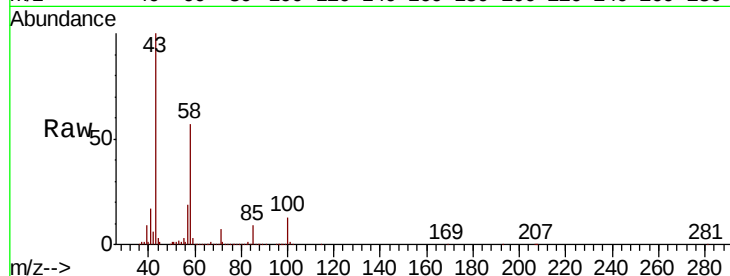




#59
2-Hexanone
Concen: 100.605 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW005006.D
Acq: 29 Aug 2018 16:28

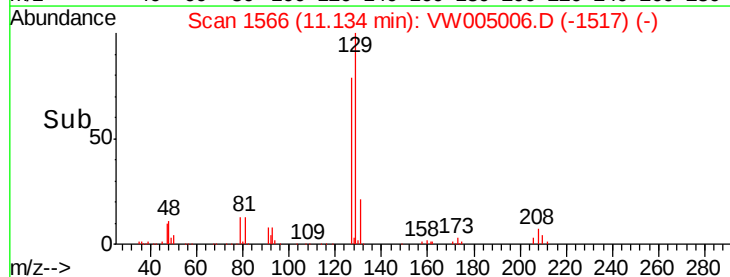
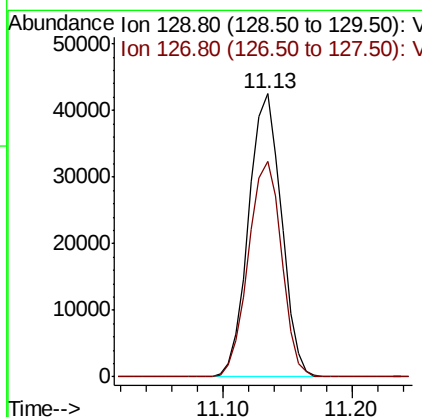
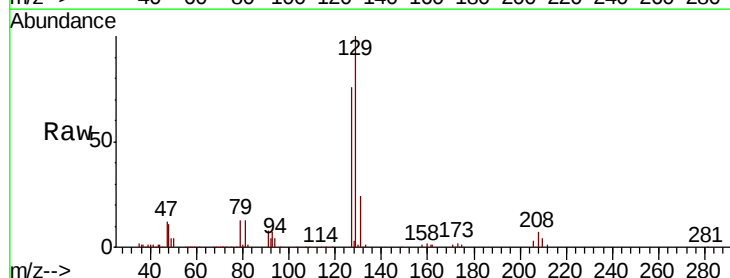
Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS01

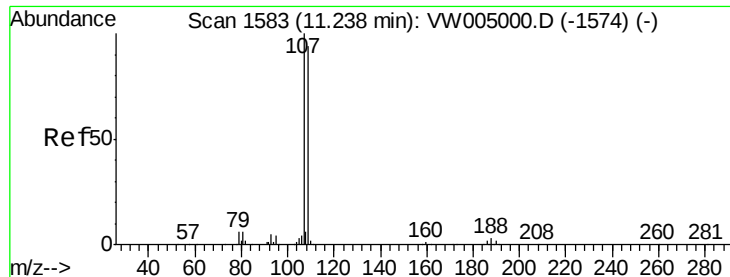
Tgt Ion: 43 Resp: 239871
Ion Ratio Lower Upper
43 100
58 56.8 29.2 87.6



#60
Dibromochloromethane
Concen: 19.581 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW005006.D
Acq: 29 Aug 2018 16:28

Tgt Ion: 129 Resp: 74745
Ion Ratio Lower Upper
129 100
127 76.9 38.3 114.8

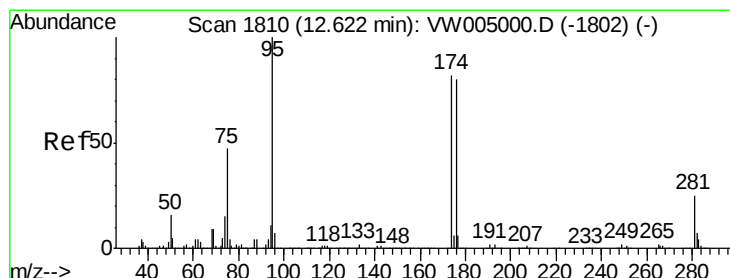
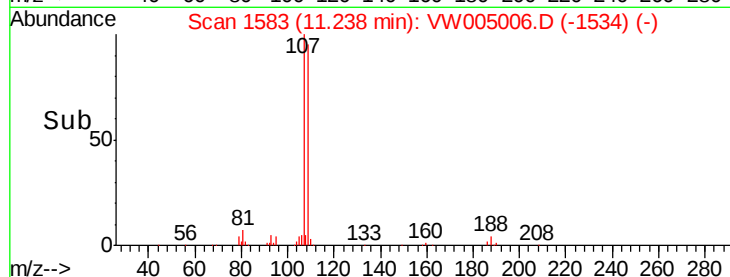
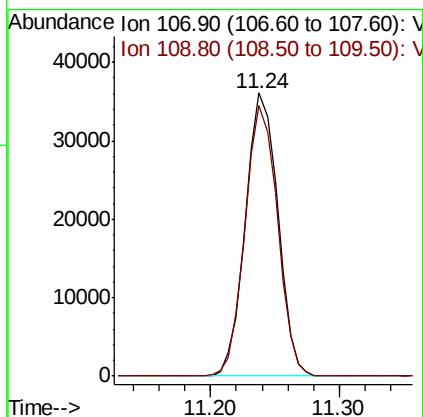
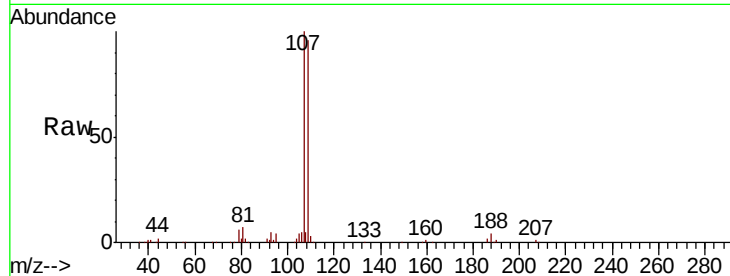




#61
 1,2-Dibromoethane
 Concen: 19.297 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VW005006.D
 Acq: 29 Aug 2018 16:28

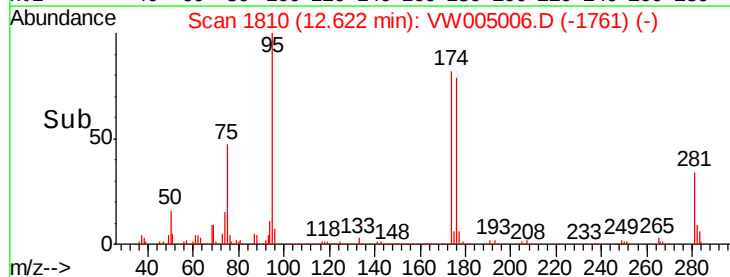
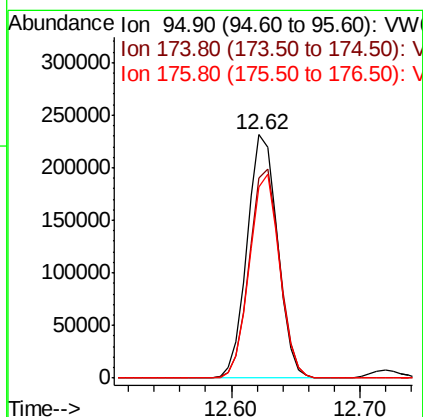
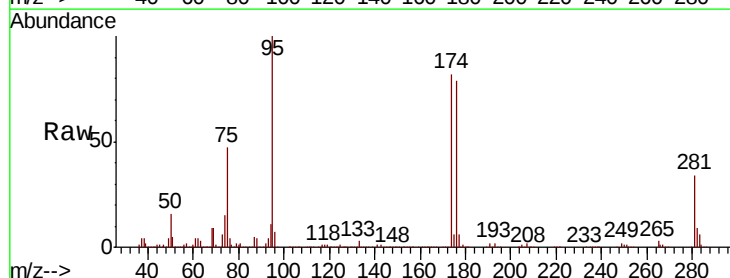
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS01

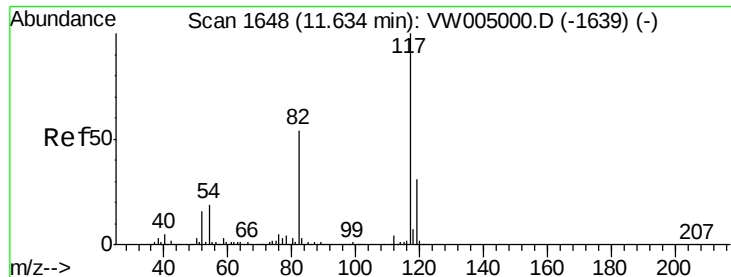
Tgt Ion: 107 Resp: 62923
 Ion Ratio Lower Upper
 107 100
 109 95.7 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 52.477 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VW005006.D
 Acq: 29 Aug 2018 16:28

Tgt Ion: 95 Resp: 376615
 Ion Ratio Lower Upper
 95 100
 174 86.0 0.0 173.4
 176 82.9 0.0 167.8

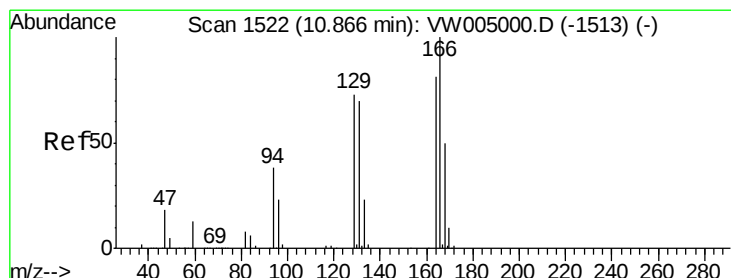
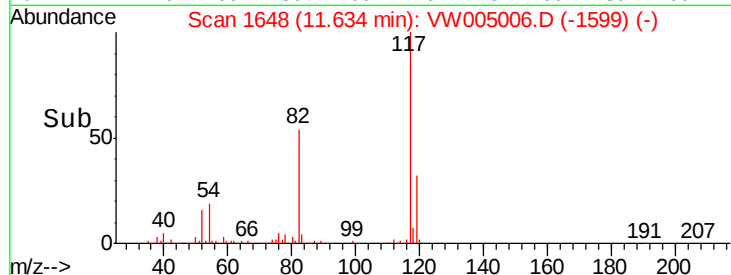
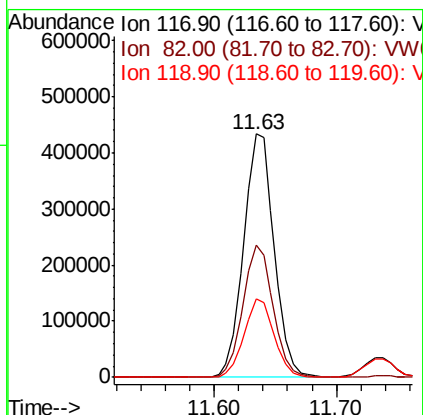
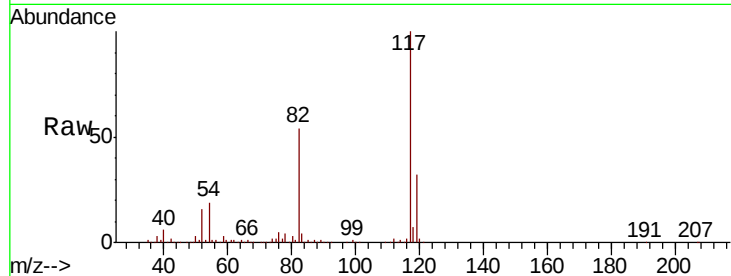




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW005006.D
Acq: 29 Aug 2018 16:28

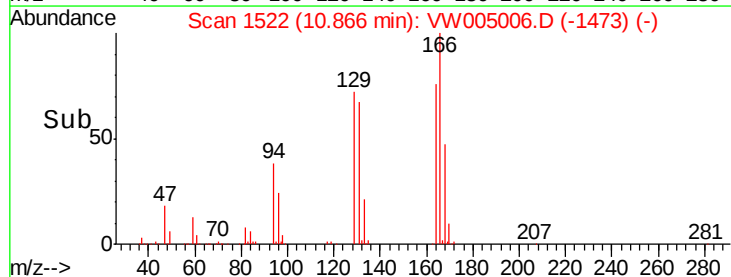
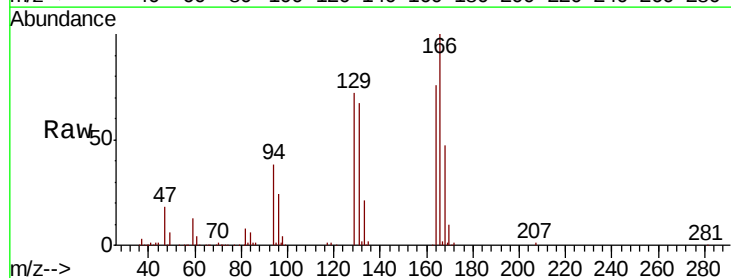
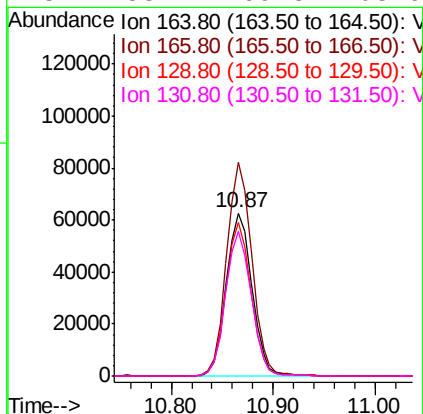
Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS01

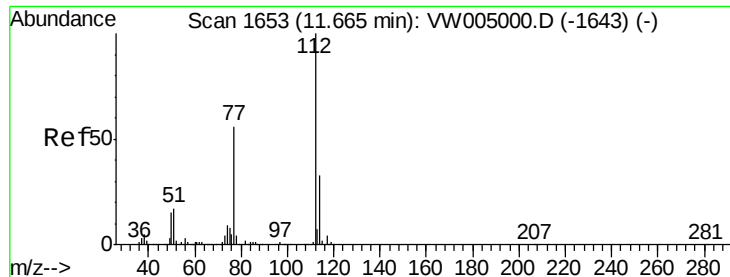
Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.3	43.3	64.9
119	32.2	25.0	37.6



#64
Tetrachloroethene
Concen: 19.983 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW005006.D
Acq: 29 Aug 2018 16:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.0	99.4	149.0
129	94.3	72.2	108.2
131	88.4	69.3	103.9

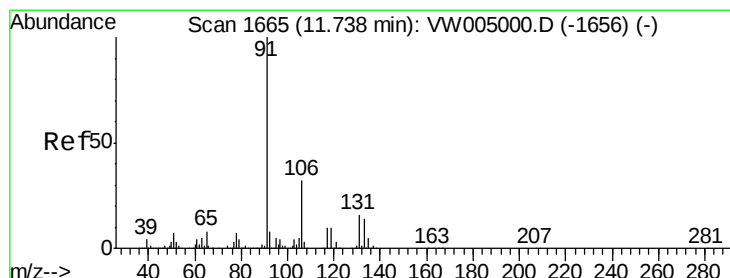
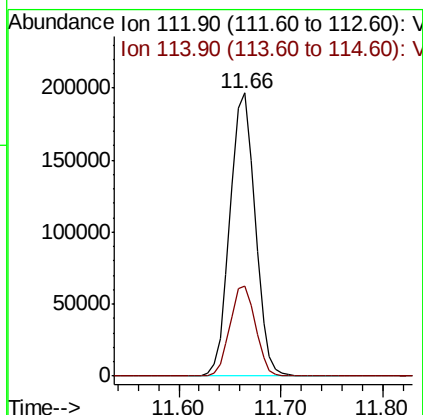
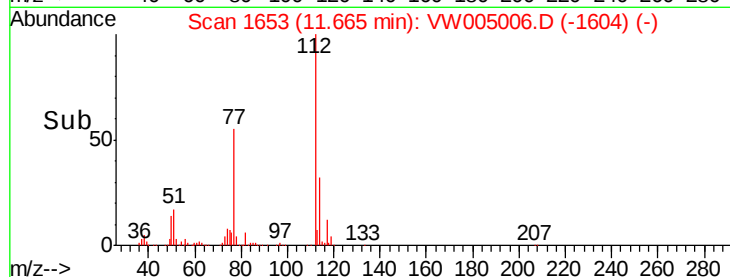
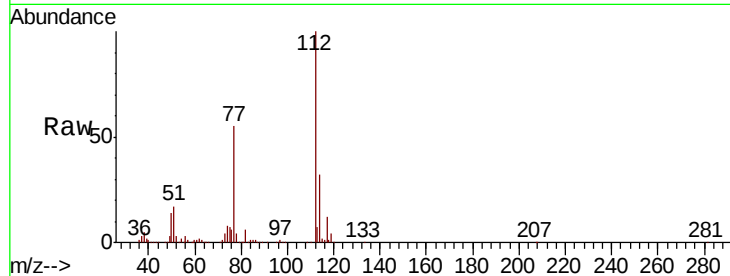




#65
Chlorobenzene
Concen: 20.379 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VW005006.D
Acq: 29 Aug 2018 16:28

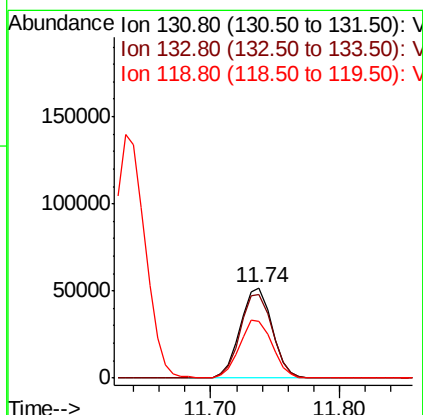
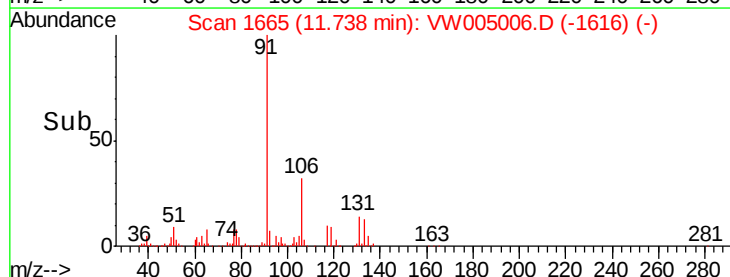
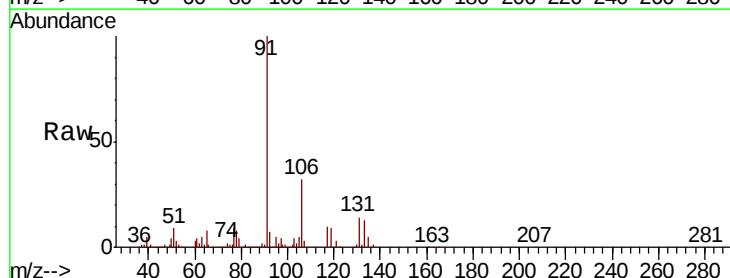
Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS01

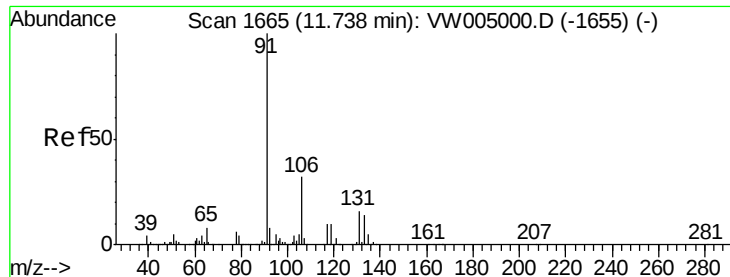
Tgt Ion:112 Resp: 336644
Ion Ratio Lower Upper
112 100
114 31.6 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 19.513 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW005006.D
Acq: 29 Aug 2018 16:28

Tgt Ion:131 Resp: 88535
Ion Ratio Lower Upper
131 100
133 94.9 47.4 142.3
119 66.2 33.1 99.3

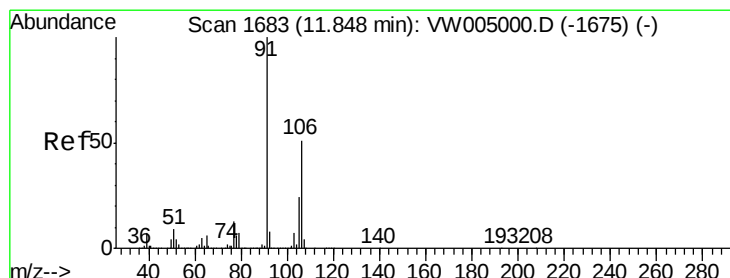
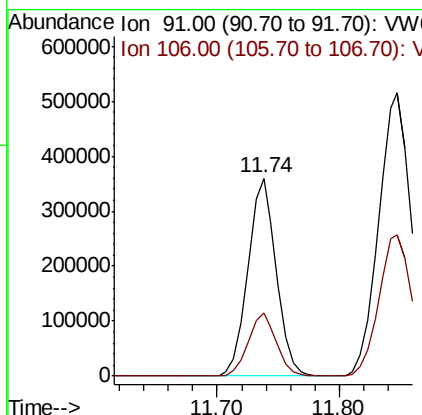
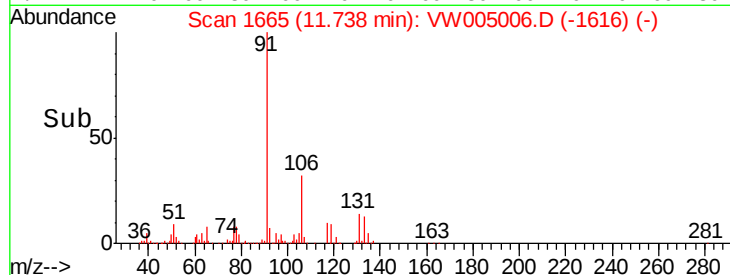
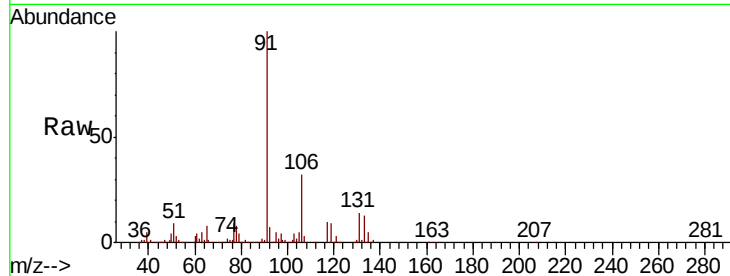




#67
Ethyl Benzene
Concen: 20.458 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW005006.D
Acq: 29 Aug 2018 16:28

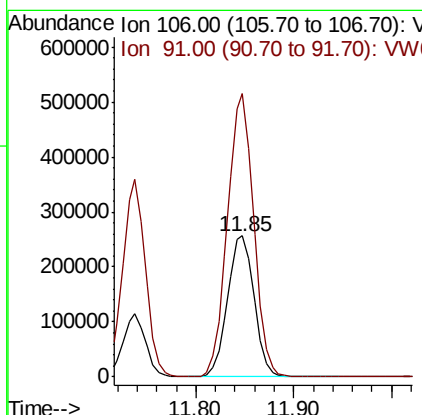
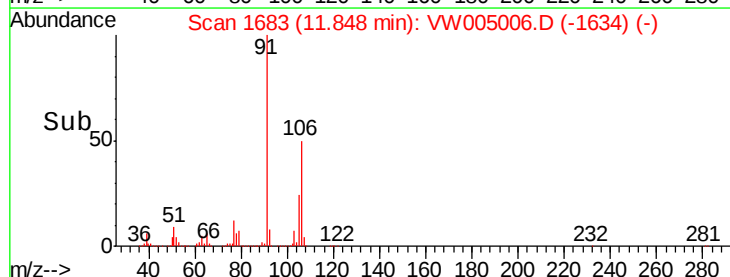
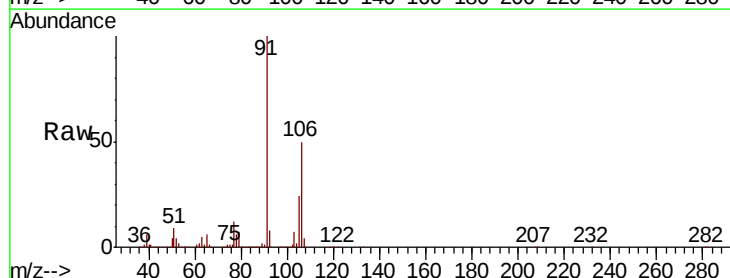
Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS01

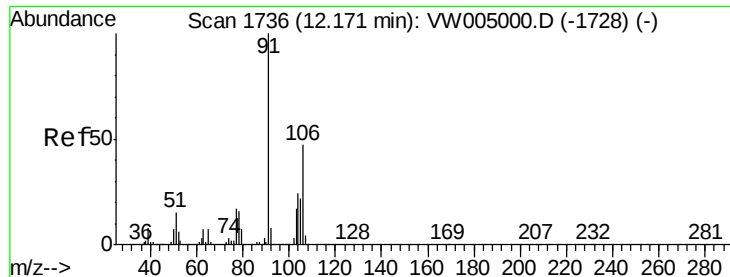
Tgt Ion: 91 Resp: 578681
Ion Ratio Lower Upper
91 100
106 31.9 25.4 38.2



#68
m/p-Xylenes
Concen: 41.861 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW005006.D
Acq: 29 Aug 2018 16:28

Tgt Ion: 106 Resp: 482949
Ion Ratio Lower Upper
106 100
91 197.7 158.4 237.6

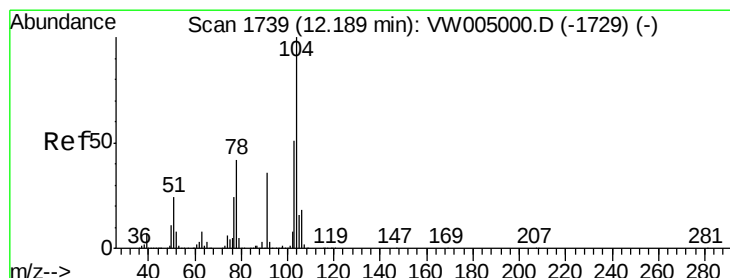
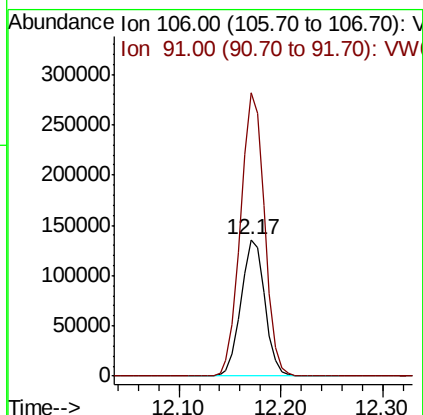
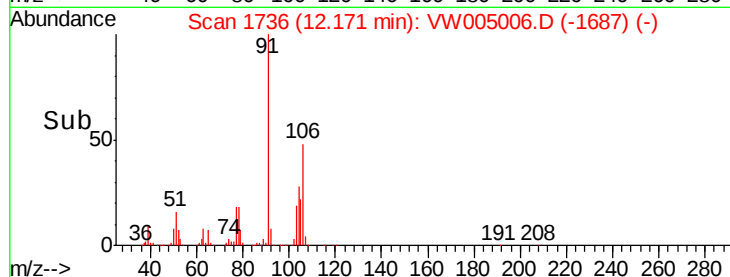
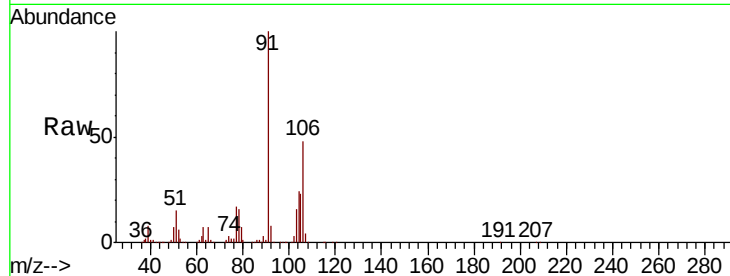




#69
o-Xylene
Concen: 20.743 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW005006.D
Acq: 29 Aug 2018 16:28

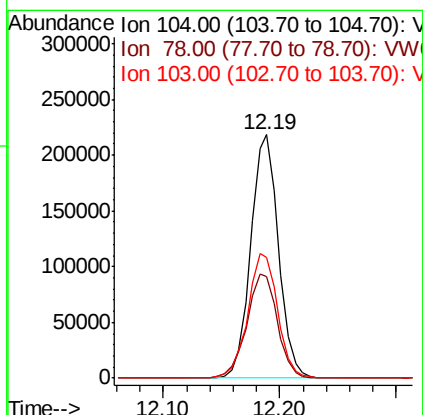
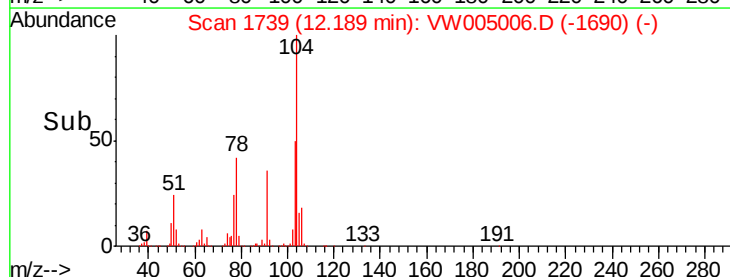
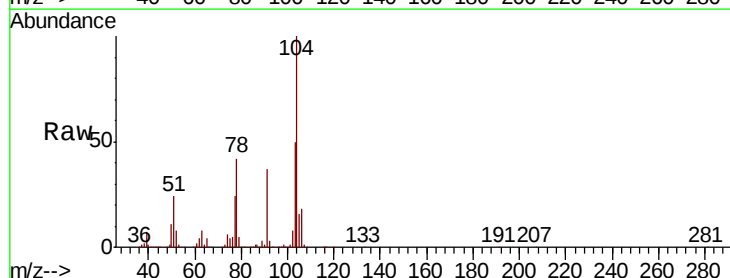
Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS01

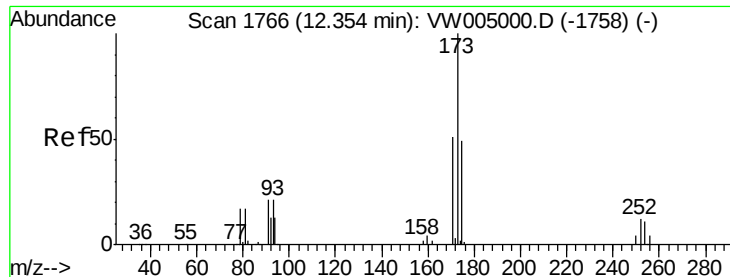
Tgt Ion:106 Resp: 218672
Ion Ratio Lower Upper
106 100
91 209.1 104.4 313.1



#70
Styrene
Concen: 20.685 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VW005006.D
Acq: 29 Aug 2018 16:28

Tgt Ion:104 Resp: 361721
Ion Ratio Lower Upper
104 100
78 47.2 37.6 56.4
103 55.3 43.9 65.9





#71

Bromoform

Concen: 18.956 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW005006.D

Acq: 29 Aug 2018 16:28

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS01

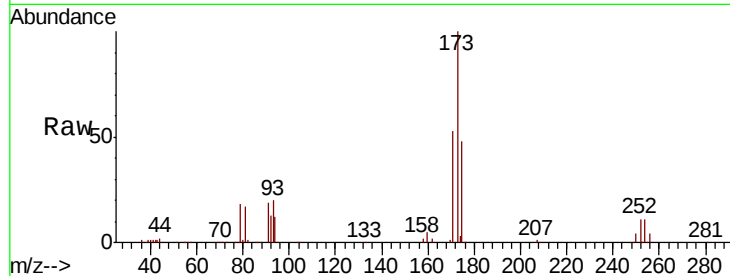
Tgt Ion:173 Resp: 47823

Ion Ratio Lower Upper

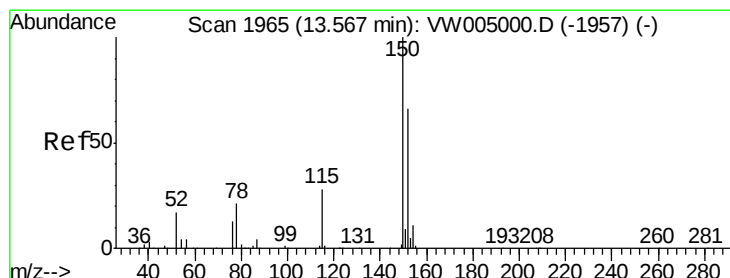
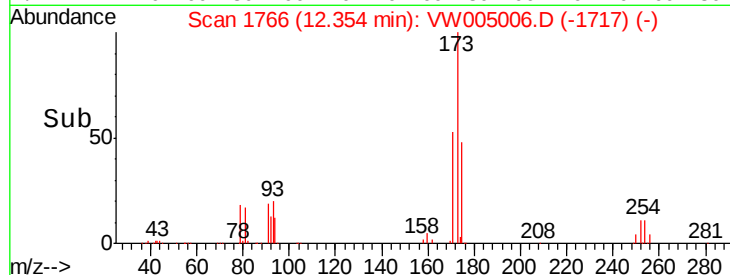
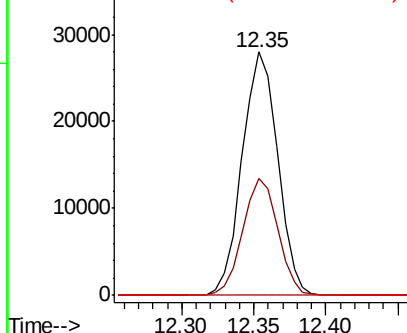
173 100

175 47.4 24.3 73.0

254 0.1 0.1 0.1#



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# 1965

Delta R.T. -0.00 min

Lab File: VW005006.D

Acq: 29 Aug 2018 16:28

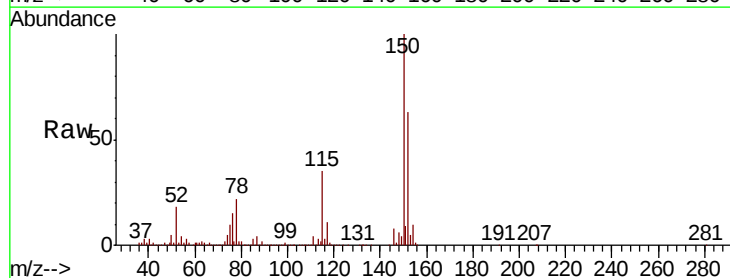
Tgt Ion:152 Resp: 420674

Ion Ratio Lower Upper

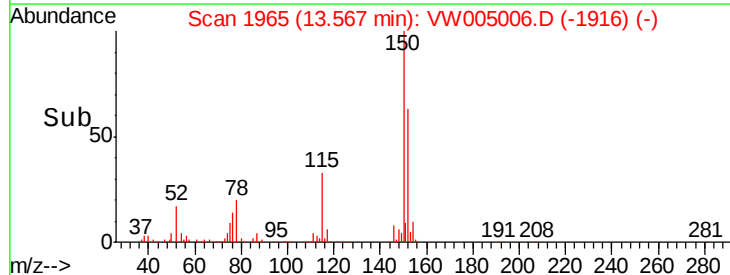
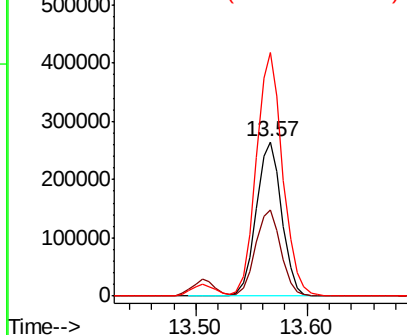
152 100

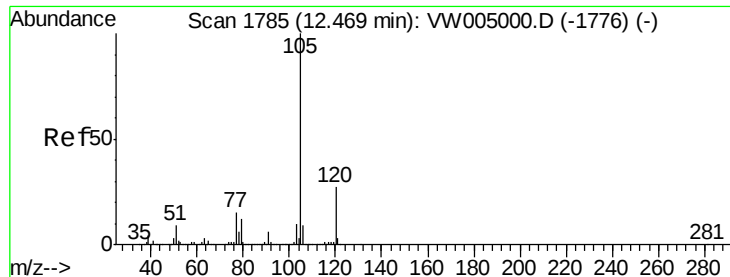
115 56.3 28.0 83.9

150 163.6 0.0 347.2



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: 20.956 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW005006.D

Acq: 29 Aug 2018 16:28

Instrument :

MSVOA_W

ClientSampleId :

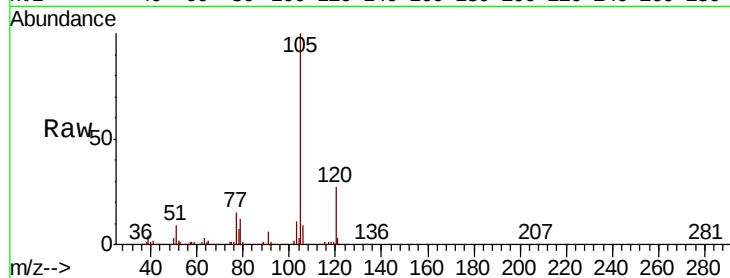
VW0829SBS01

Tgt Ion:105 Resp: 587678

Ion Ratio Lower Upper

105 100

120 26.7 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.47

400000

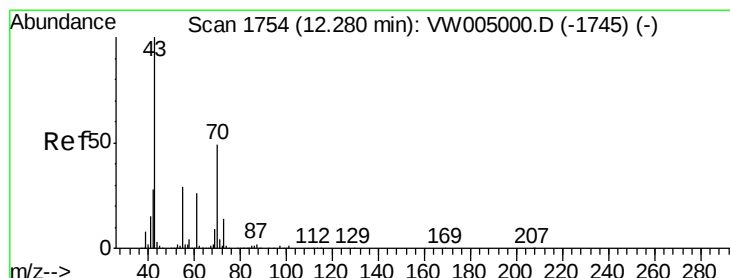
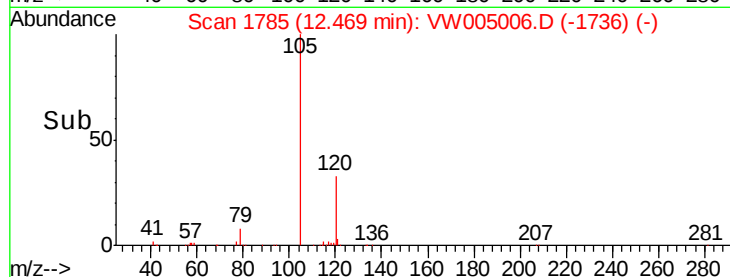
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 20.116 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. -0.00 min

Lab File: VW005006.D

Acq: 29 Aug 2018 16:28

Tgt Ion: 43 Resp: 106455

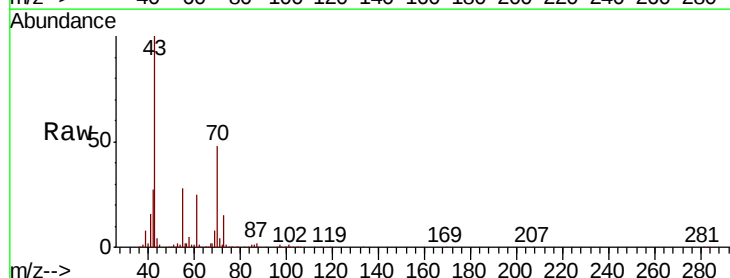
Ion Ratio Lower Upper

43 100

70 46.7 38.6 57.8

55 29.2 23.6 35.4

61 24.7 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

100000

80000

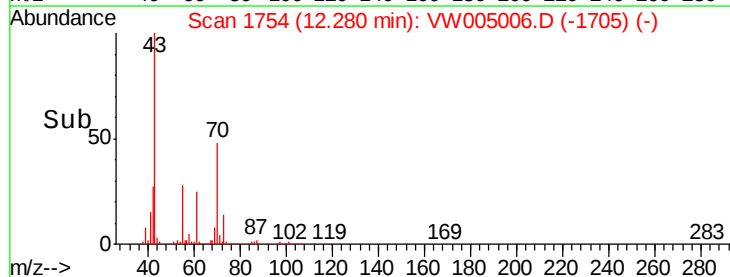
60000

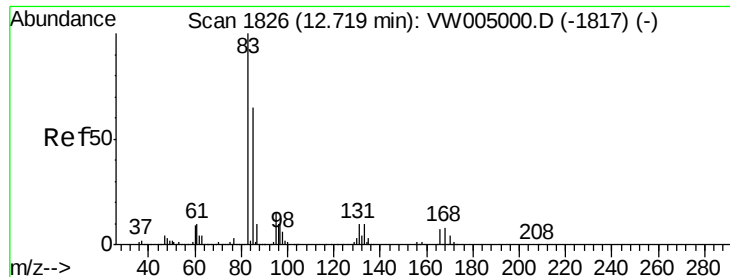
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.650 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW005006.D

Acq: 29 Aug 2018 16:28

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS01

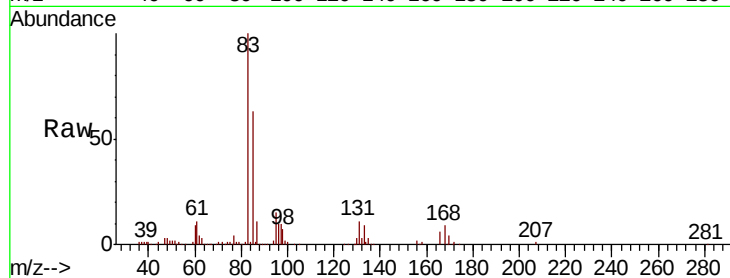
Tgt Ion: 83 Resp: 83432

Ion Ratio Lower Upper

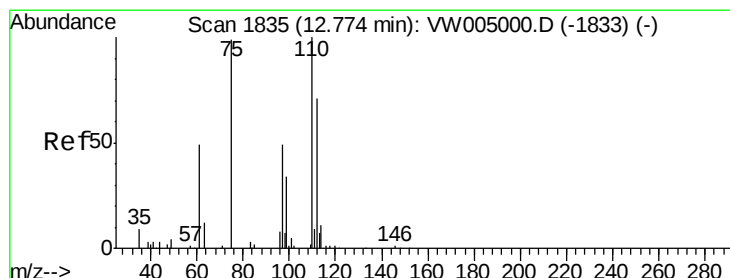
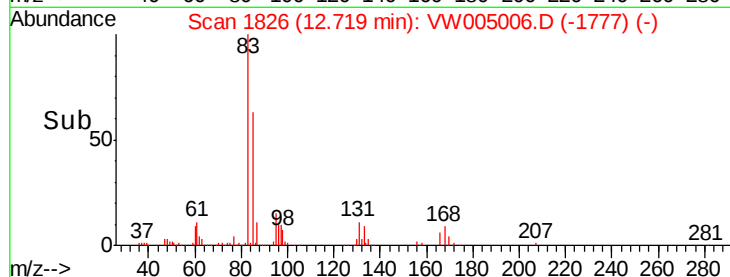
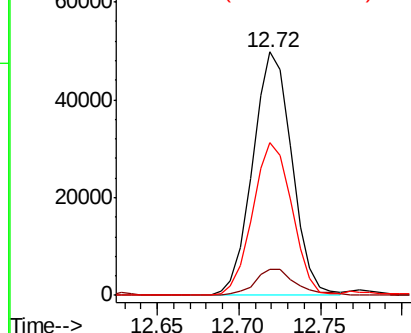
83 100

131 11.2 5.5 16.5

85 62.8 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 37.523 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW005006.D

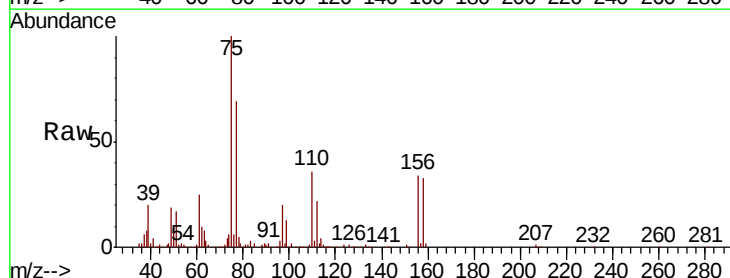
Acq: 29 Aug 2018 16:28

Tgt Ion: 75 Resp: 111796

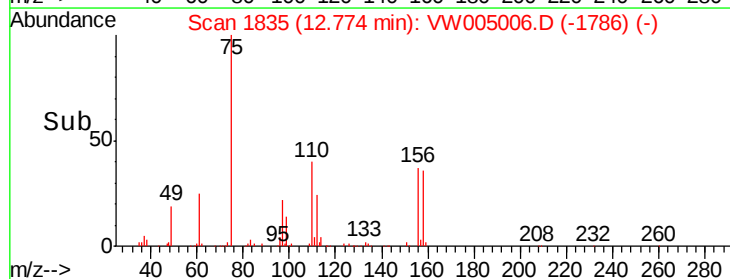
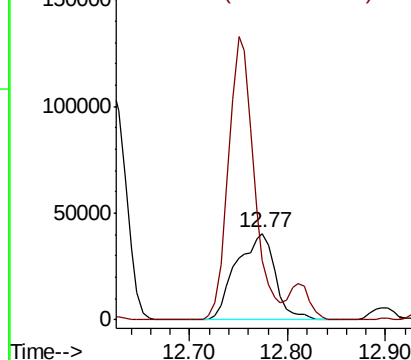
Ion Ratio Lower Upper

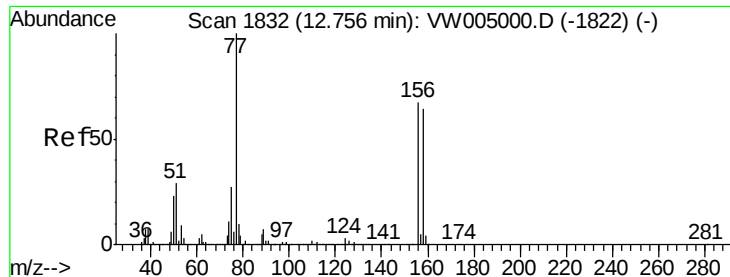
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.527 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VW005006.D

Acq: 29 Aug 2018 16:28

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS01

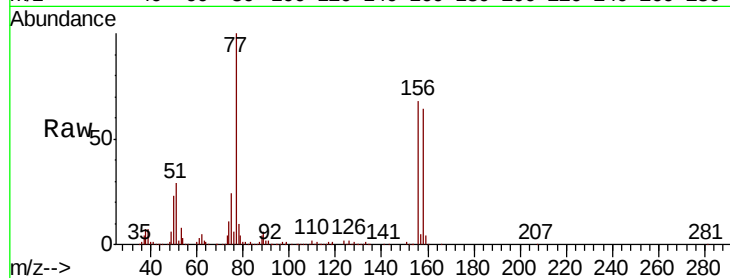
Tgt Ion:156 Resp: 141236

Ion Ratio Lower Upper

156 100

77 171.6 86.9 260.6

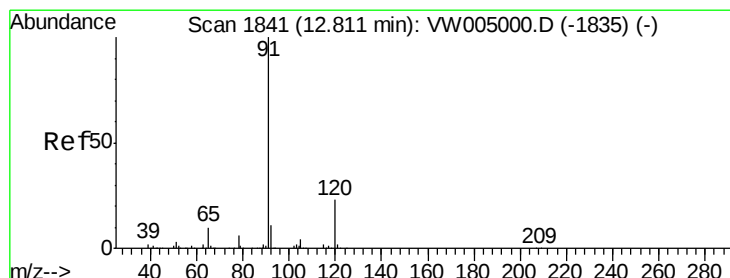
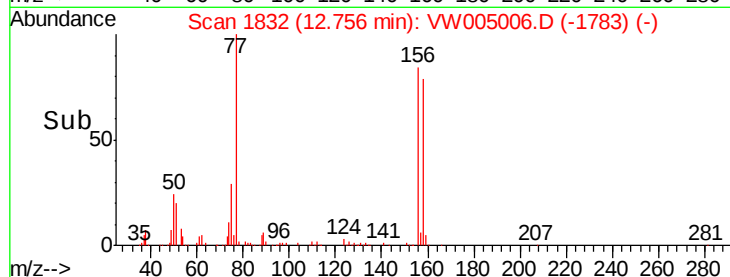
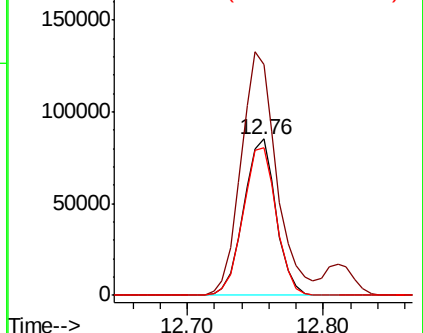
158 97.3 48.6 145.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.157 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VW005006.D

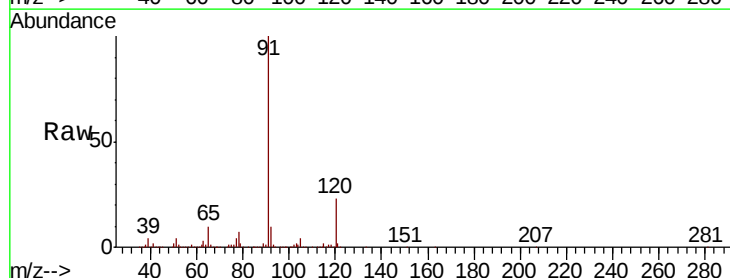
Acq: 29 Aug 2018 16:28

Tgt Ion: 91 Resp: 731845

Ion Ratio Lower Upper

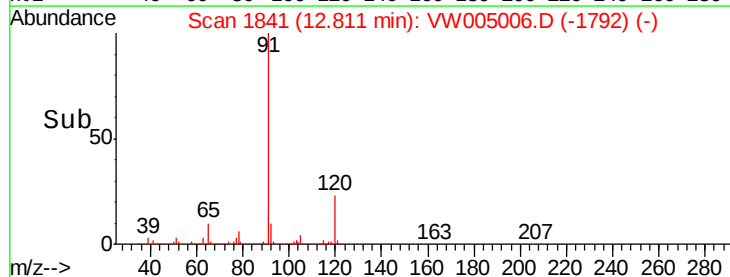
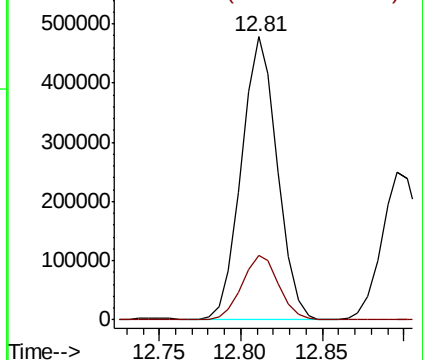
91 100

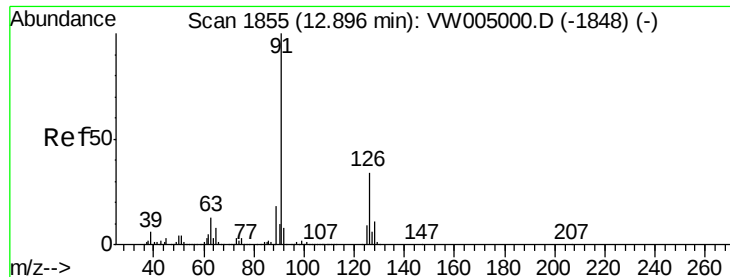
120 23.2 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

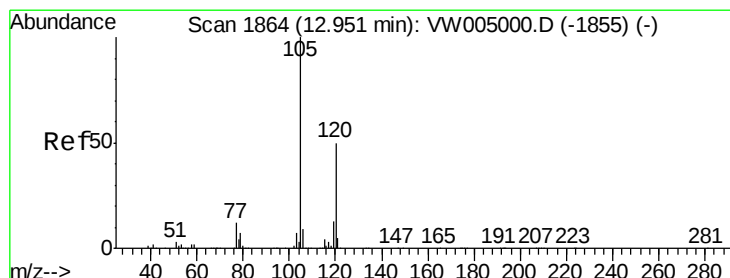
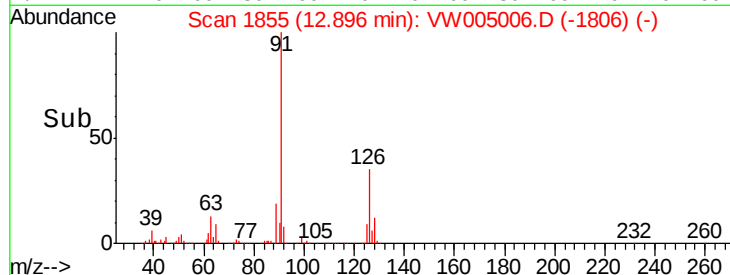
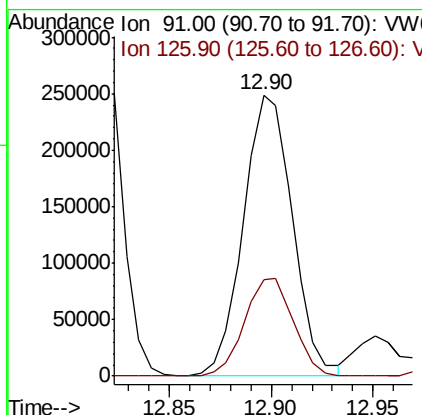
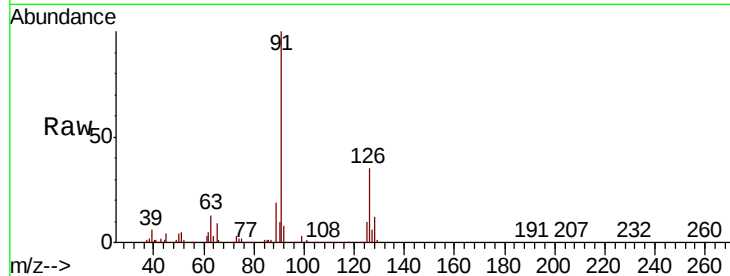




#79
 2-Chlorotoluene
 Concen: 20.828 ug/l
 RT: 12.90 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: VW005006.D
 Acq: 29 Aug 2018 16:28

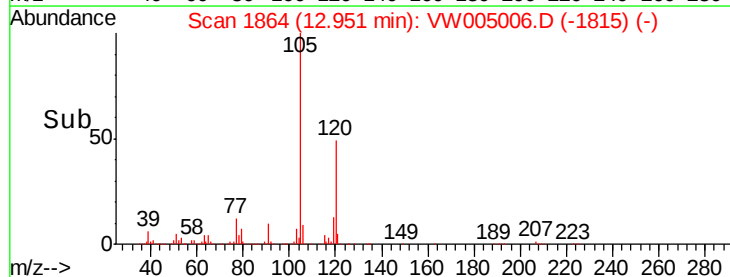
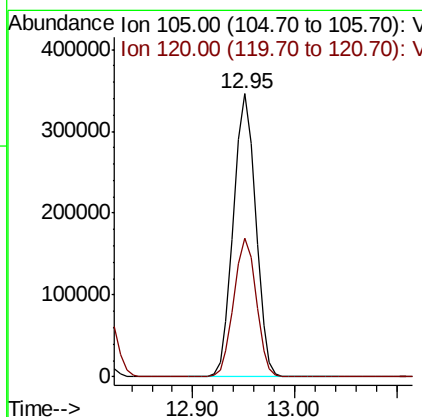
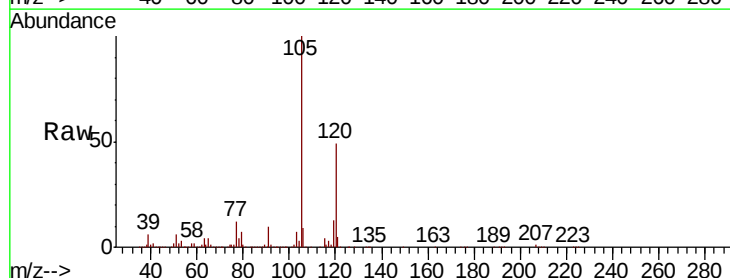
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS01

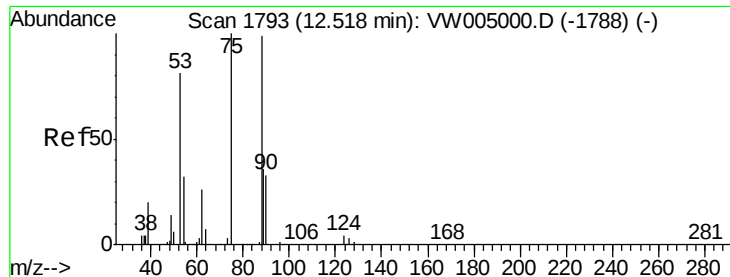
Tgt Ion: 91 Resp: 416104
 Ion Ratio Lower Upper
 91 100
 126 34.8 17.3 52.0



#80
 1,3,5-Trimethylbenzene
 Concen: 21.054 ug/l
 RT: 12.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VW005006.D
 Acq: 29 Aug 2018 16:28

Tgt Ion: 105 Resp: 521645
 Ion Ratio Lower Upper
 105 100
 120 49.5 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 18.768 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VW005006.D

Acq: 29 Aug 2018 16:28

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS01

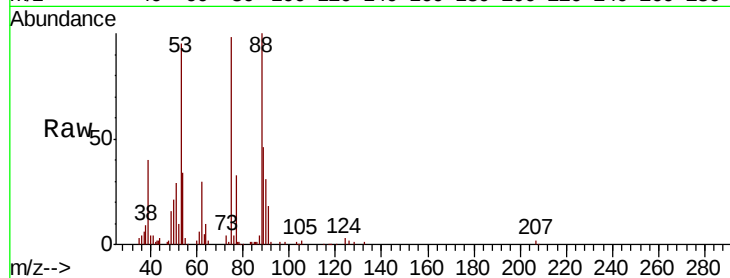
Tgt Ion: 75 Resp: 24742

Ion Ratio Lower Upper

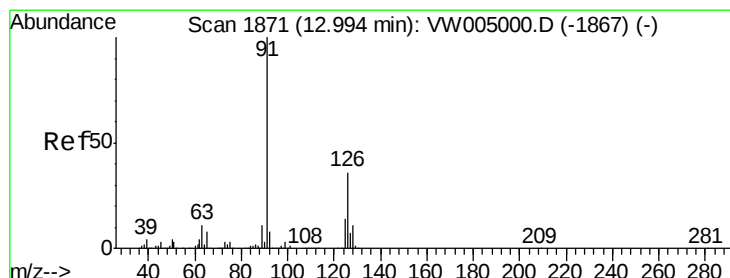
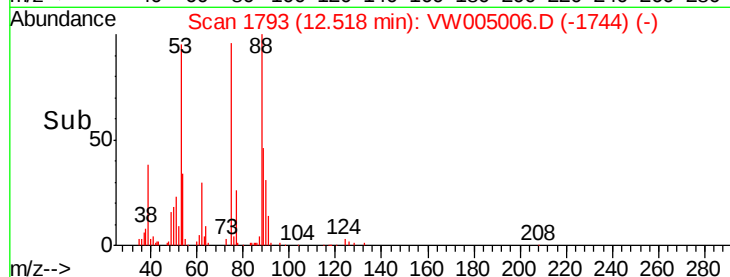
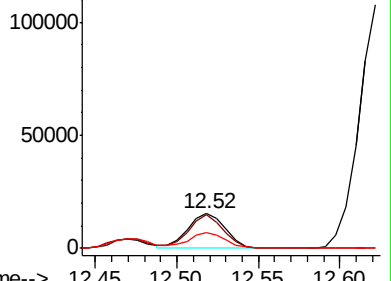
75 100

53 90.0 67.4 101.2

89 45.0 35.0 52.6



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 53.00 (52.70 to 53.70): VW
Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 20.717 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VW005006.D

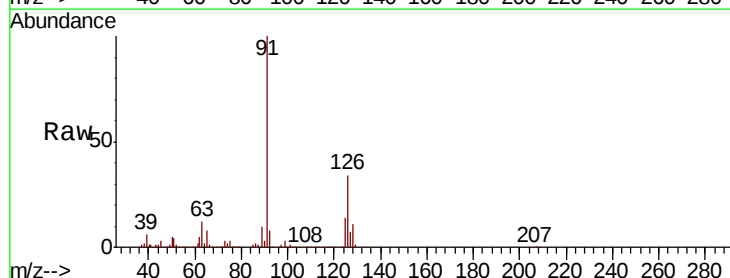
Acq: 29 Aug 2018 16:28

Tgt Ion: 91 Resp: 440986

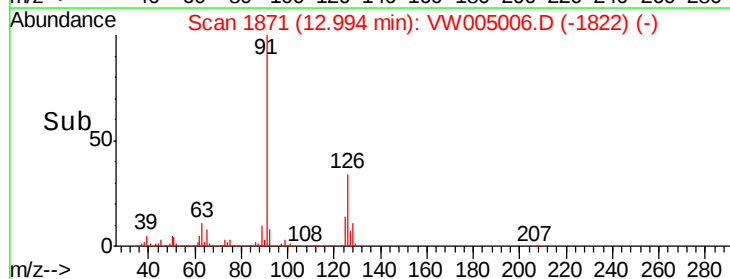
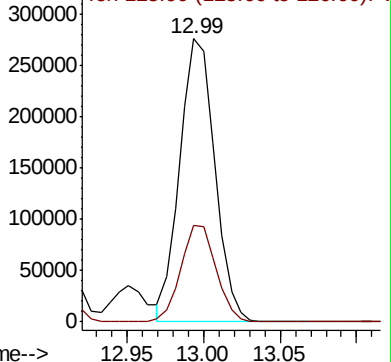
Ion Ratio Lower Upper

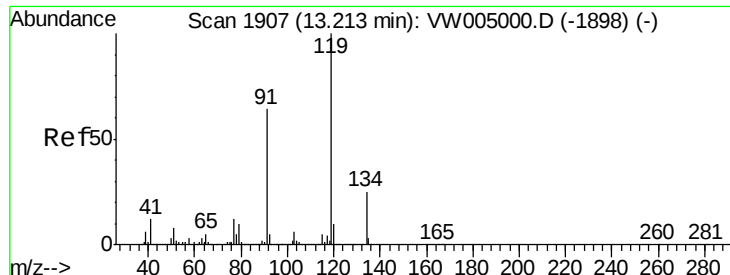
91 100

126 34.6 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 125.90 (125.60 to 126.60): V

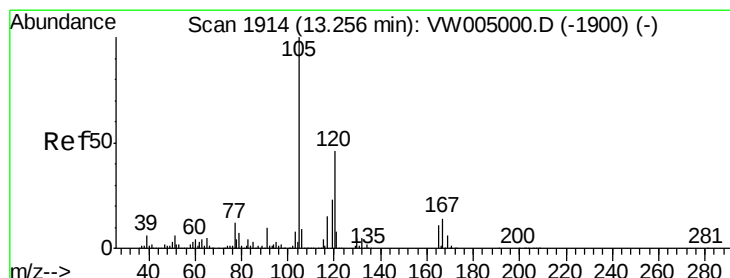
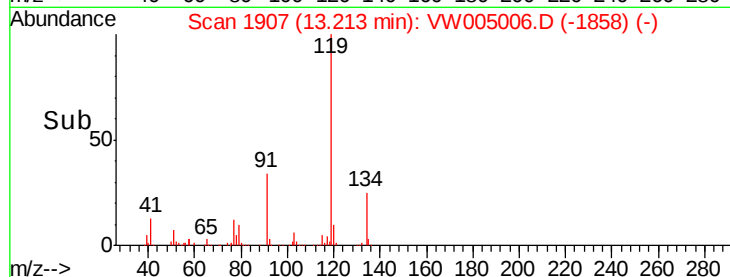
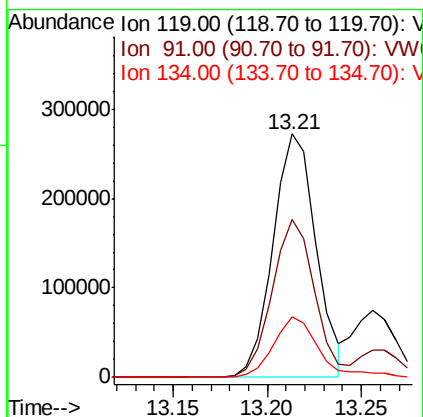
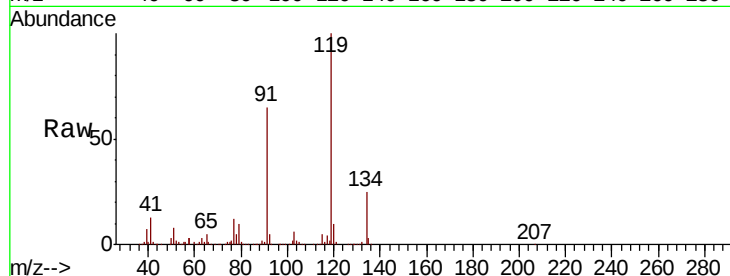




#83
 tert-Butylbenzene
 Concen: 20.752 ug/l
 RT: 13.21 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VW005006.D
 Acq: 29 Aug 2018 16:28

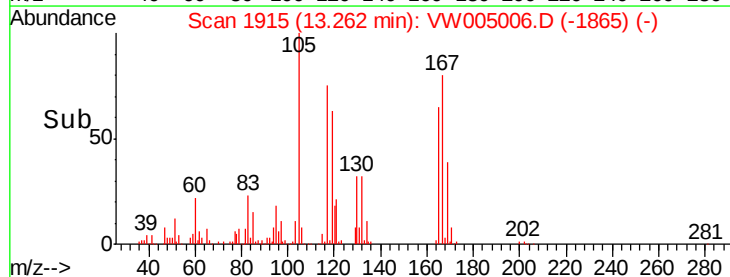
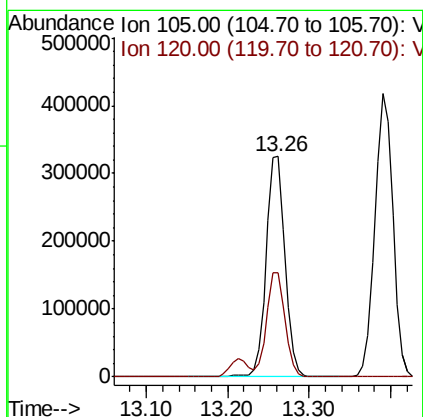
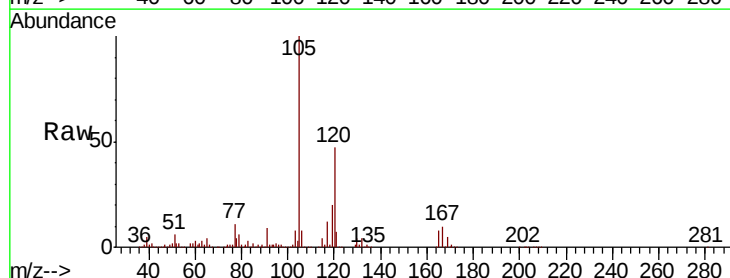
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS01

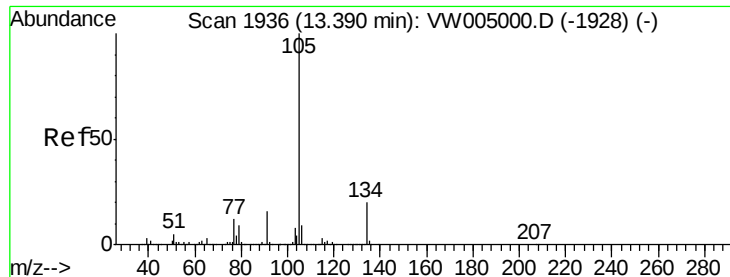
Tgt Ion	Ratio	Lower	Upper
119	100		
91	64.1	31.9	95.5
134	26.1	13.2	39.5



#84
 1,2,4-Trimethylbenzene
 Concen: 20.706 ug/l
 RT: 13.26 min Scan# 1915
 Delta R.T. 0.01 min
 Lab File: VW005006.D
 Acq: 29 Aug 2018 16:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	22.9	68.7

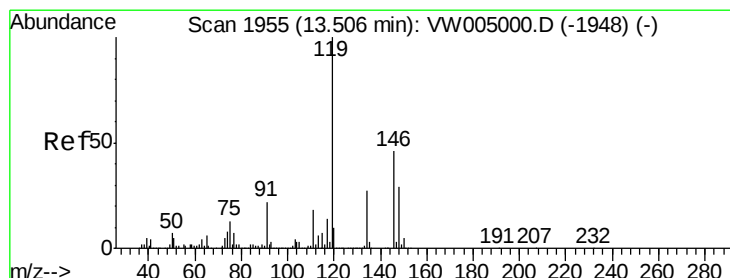
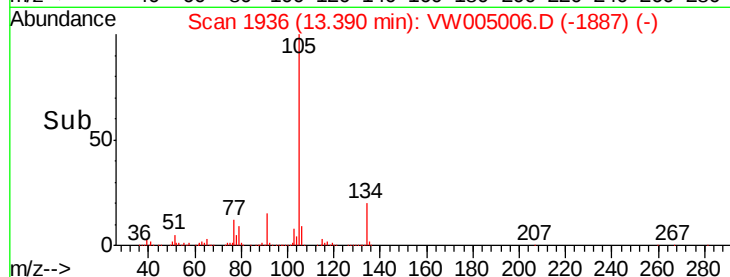
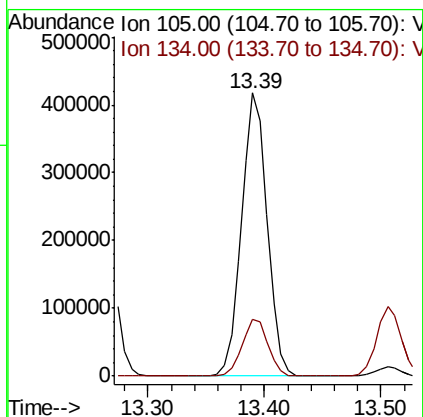
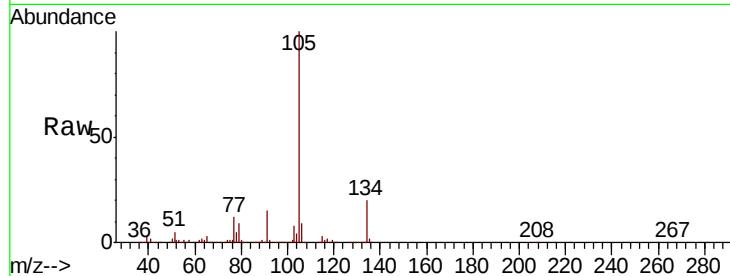




#85
 sec-Butylbenzene
 Concen: 20.960 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VW005006.D
 Acq: 29 Aug 2018 16:28

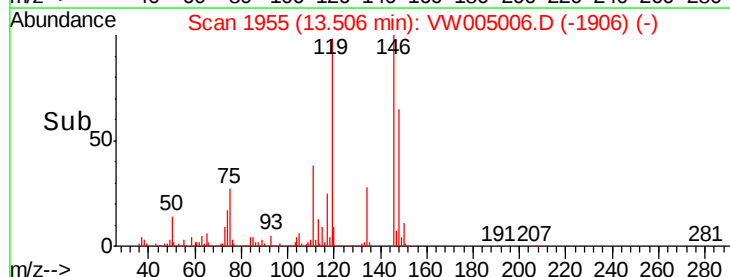
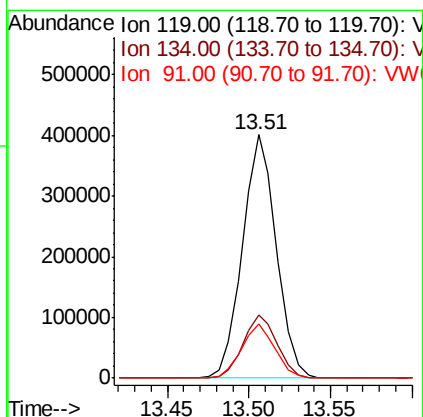
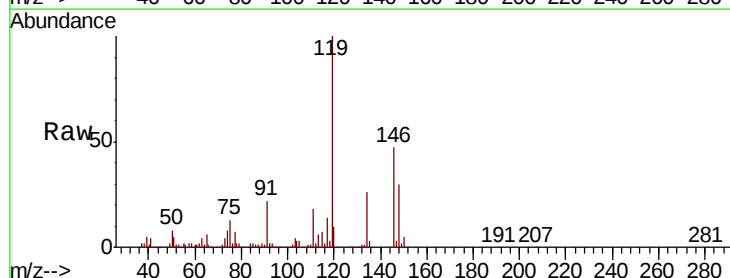
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS01

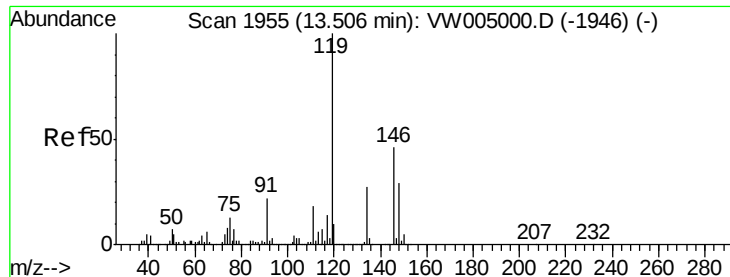
Tgt Ion:105 Resp: 640276
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.1 30.3



#86
 p-Isopropyltoluene
 Concen: 21.085 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW005006.D
 Acq: 29 Aug 2018 16:28

Tgt Ion:119 Resp: 577055
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.1 39.3
 91 21.8 10.9 32.9

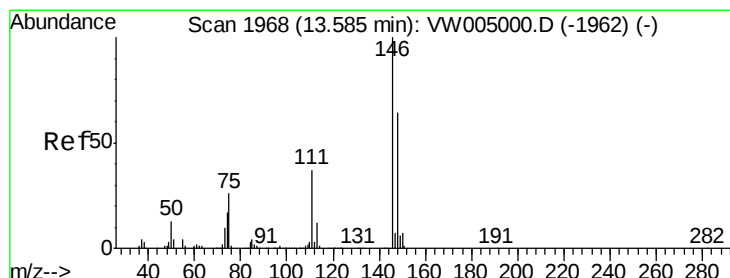
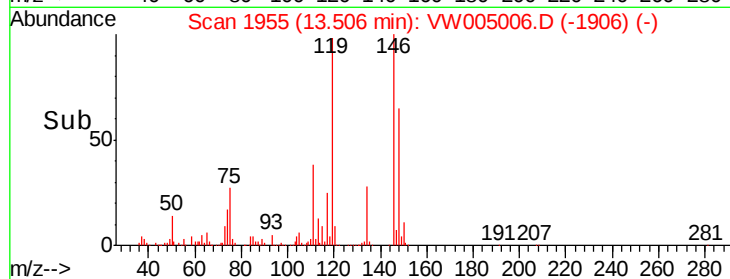
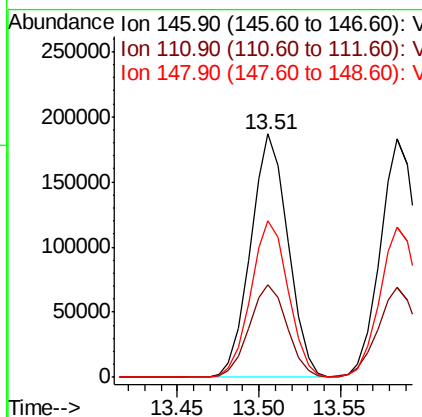
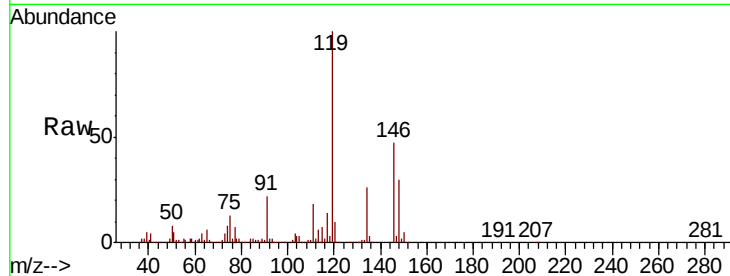




#87
 1,3-Dichlorobenzene
 Concen: 20.383 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW005006.D
 Acq: 29 Aug 2018 16:28

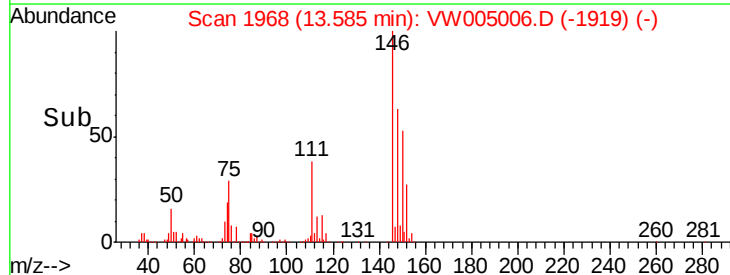
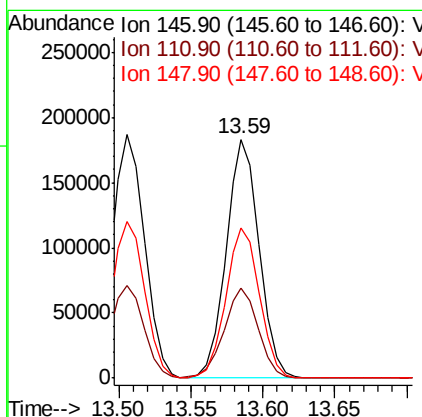
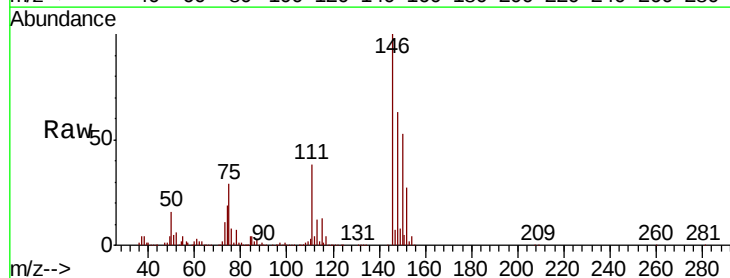
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS01

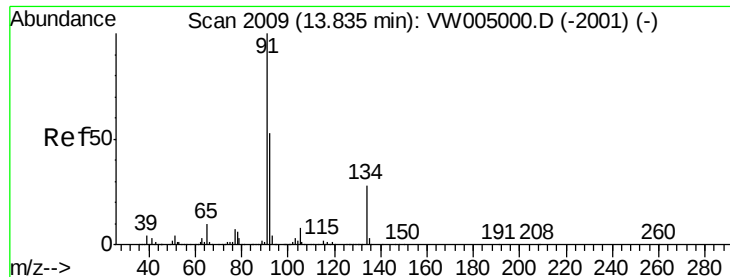
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.3	57.8
148	64.5	31.6	94.7



#88
 1,4-Dichlorobenzene
 Concen: 20.190 ug/l
 RT: 13.59 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW005006.D
 Acq: 29 Aug 2018 16:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	18.7	56.1
148	64.6	31.7	95.1





#89

n-Butylbenzene

Concen: 20.733 ug/l

RT: 13.83 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VW005006.D

Acq: 29 Aug 2018 16:28

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS01

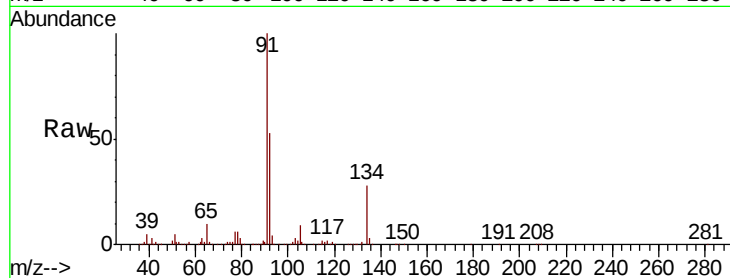
Tgt Ion: 91 Resp: 532644

Ion Ratio Lower Upper

91 100

92 52.5 26.5 79.4

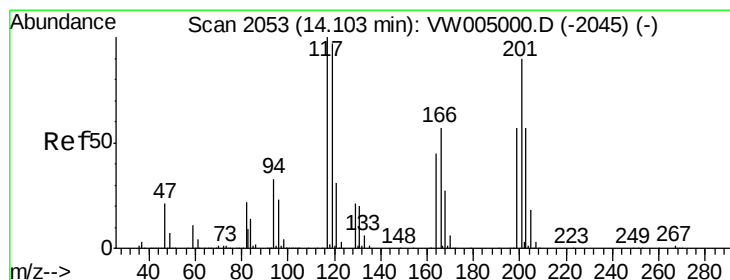
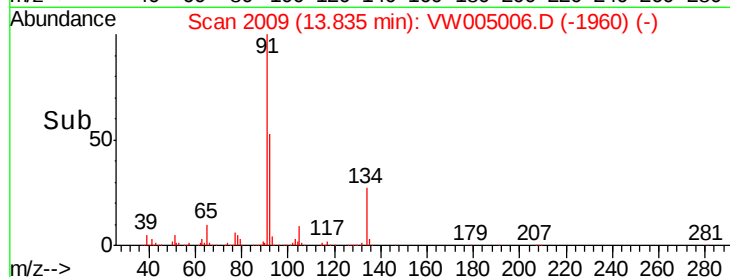
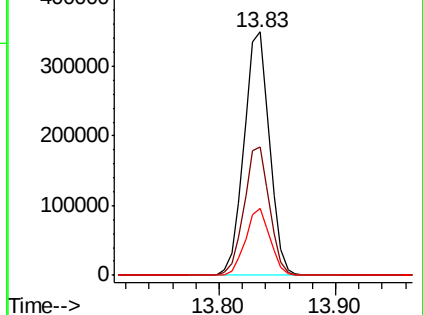
134 26.5 13.4 40.1



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: 19.835 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VW005006.D

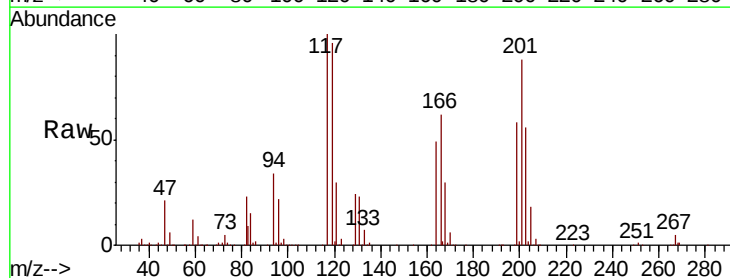
Acq: 29 Aug 2018 16:28

Tgt Ion: 117 Resp: 85329

Ion Ratio Lower Upper

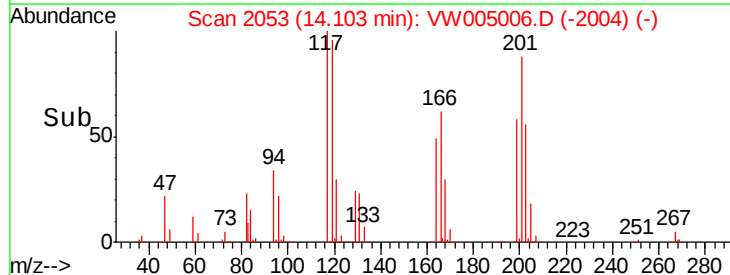
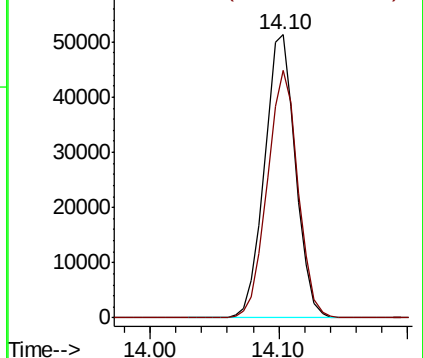
117 100

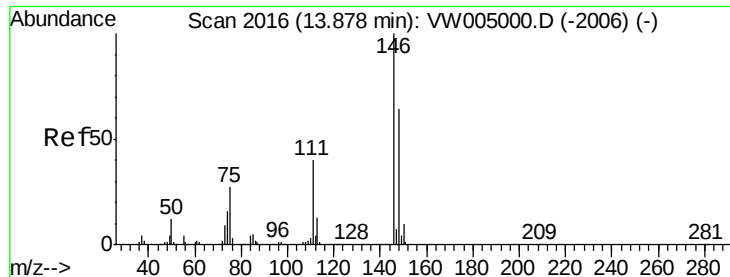
201 87.0 44.3 132.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 20.291 ug/l

RT: 13.88 min Scan# 2016

Delta R.T. -0.00 min

Lab File: VW005006.D

Acq: 29 Aug 2018 16:28

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS01

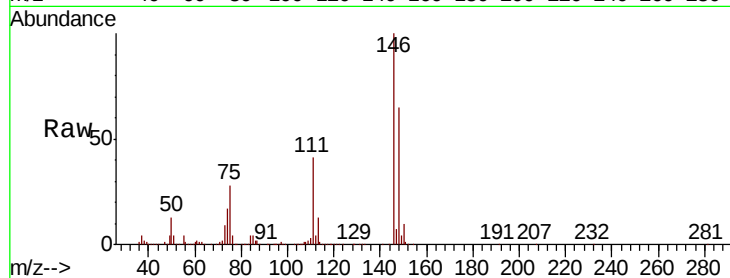
Tgt Ion:146 Resp: 260540

Ion Ratio Lower Upper

146 100

111 40.2 19.9 59.7

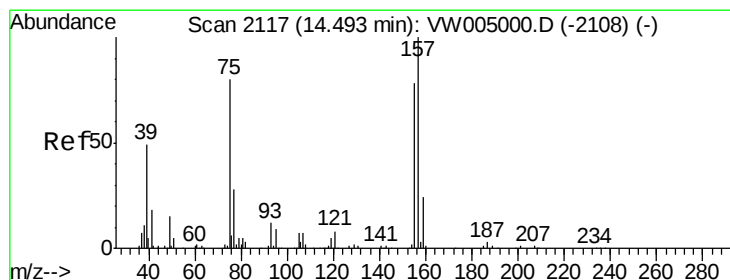
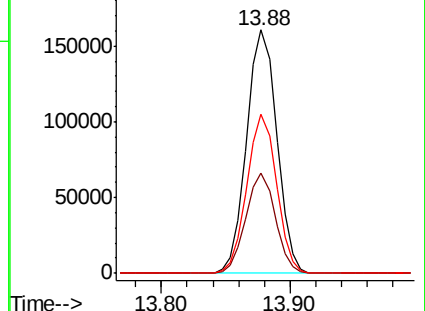
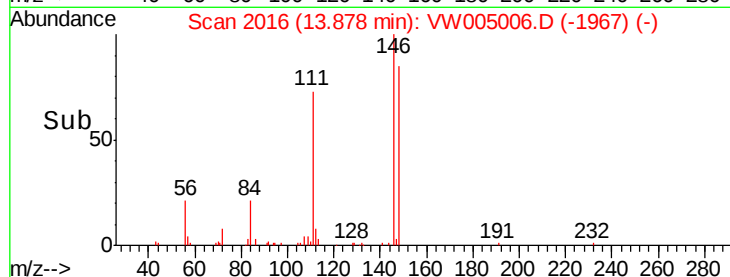
148 64.0 31.9 95.7



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: 19.410 ug/l

RT: 14.49 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VW005006.D

Acq: 29 Aug 2018 16:28

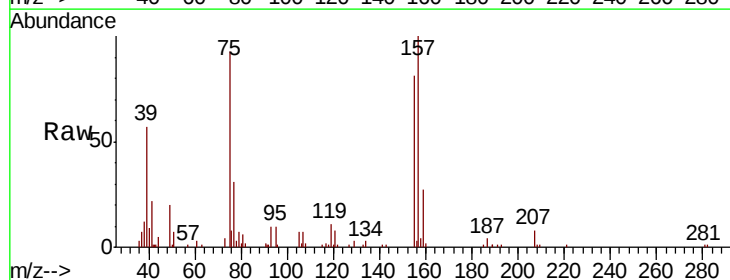
Tgt Ion: 75 Resp: 14234

Ion Ratio Lower Upper

75 100

155 88.2 46.1 138.2

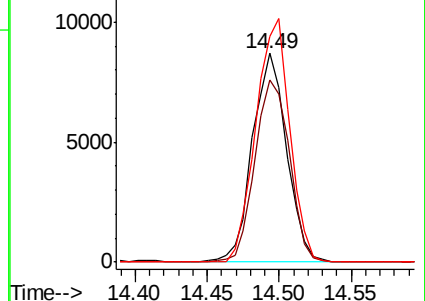
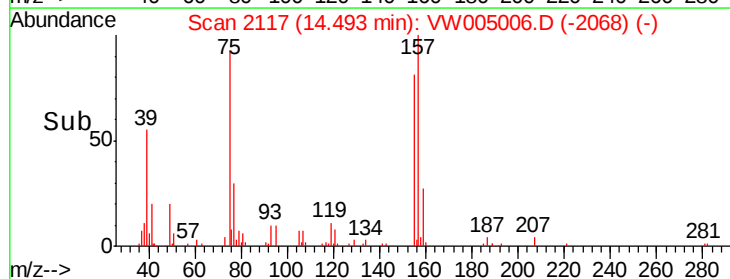
157 115.6 58.7 176.1

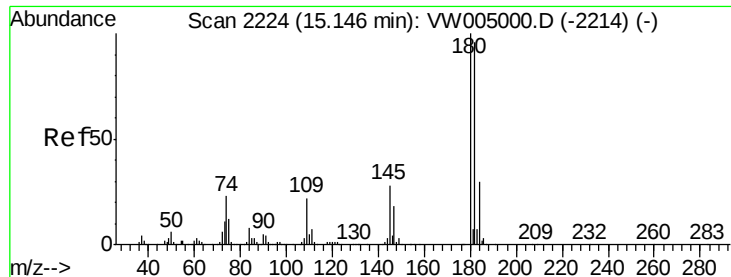


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

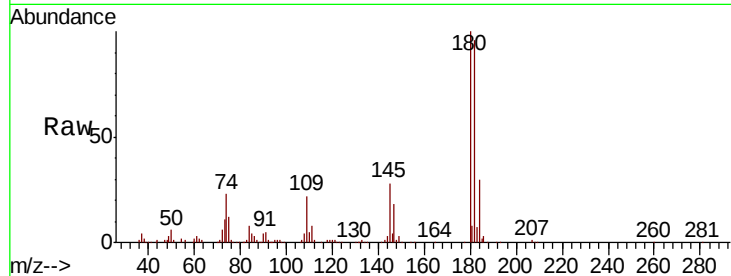




#93
 1,2,4-Trichlorobenzene
 Concen: 19.946 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW005006.D
 Acq: 29 Aug 2018 16:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.6	142.8
145	28.6	14.3	42.9

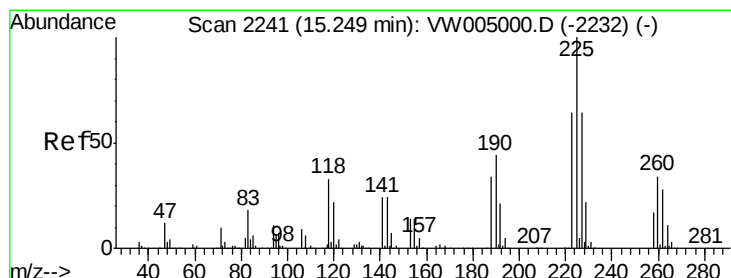
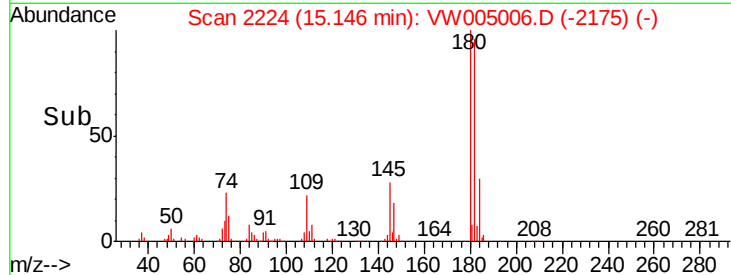
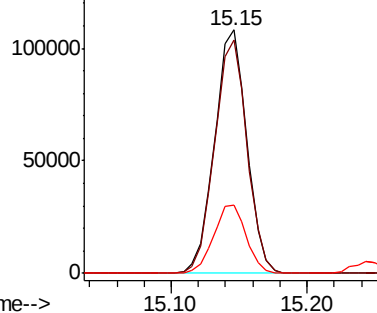


Abundance

Ion 179.80 (179.50 to 180.50): V

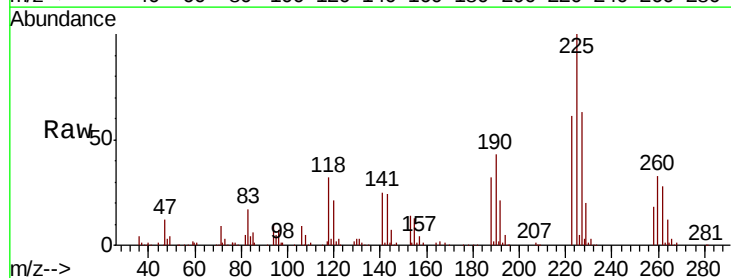
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 20.407 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. -0.00 min
 Lab File: VW005006.D
 Acq: 29 Aug 2018 16:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	32.0	96.0
227	63.7	31.9	95.7

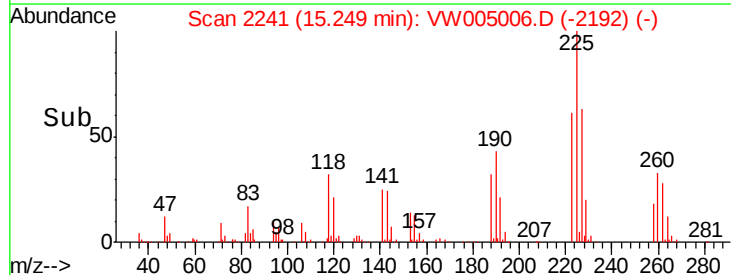
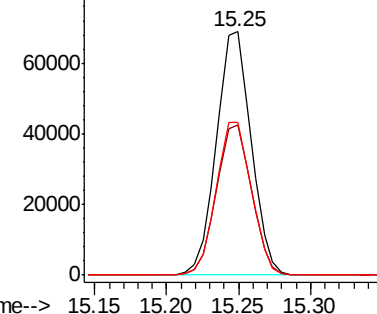


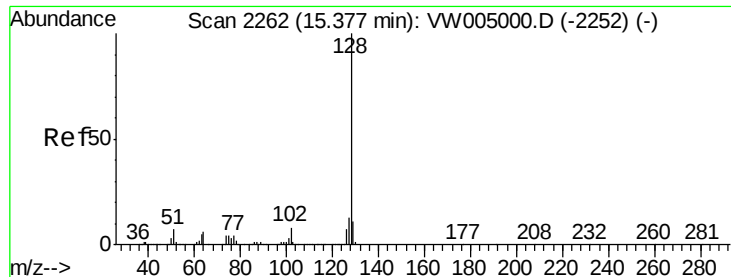
Abundance

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

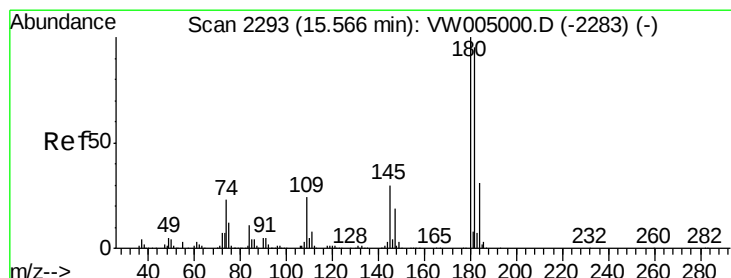
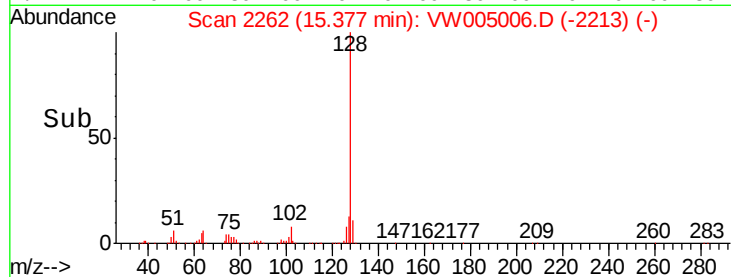
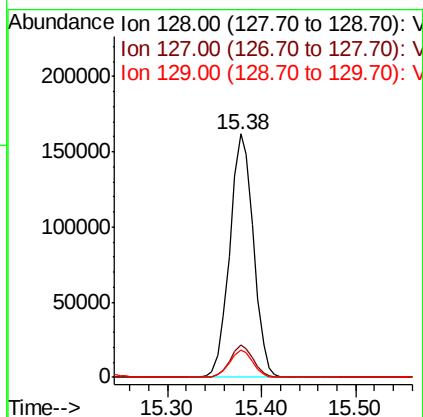
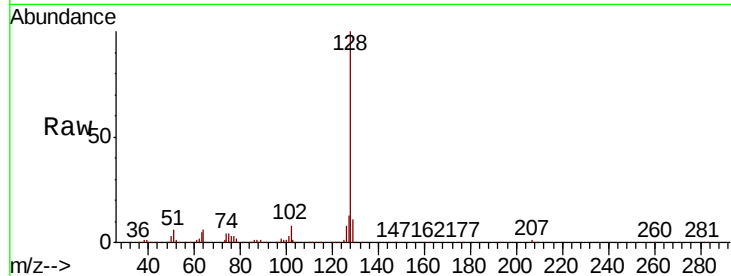




#95
Naphthalene
Concen: 19.648 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VW005006.D
Acq: 29 Aug 2018 16:28

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS01

Tgt Ion:128 Resp: 282664
Ion Ratio Lower Upper
128 100
127 12.9 10.5 15.7
129 11.1 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 19.604 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VW005006.D
Acq: 29 Aug 2018 16:28

Tgt Ion:180 Resp: 155785
Ion Ratio Lower Upper
180 100
182 97.4 47.6 142.8
145 30.9 15.1 45.3

