

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091018\
 Data File : VW005248.D
 Acq On : 10 Sep 2018 18:46
 Operator : SY/AP
 Sample : VW0910SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0910SBS01

Quant Time: Sep 11 03:49:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 03:48:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	509640	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	737510	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	748044	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	397058	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	206914	54.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.86%	
35) Dibromofluoromethane	7.89	113	203783	52.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.50%	
50) Toluene-d8	10.33	98	1012126	51.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.70%	
62) 4-Bromofluorobenzene	12.63	95	371459	52.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	97617	22.204	ug/l	100
3) Chloromethane	2.22	50	127289	21.657	ug/l	99
4) Vinyl Chloride	2.36	62	115482	21.402	ug/l	98
5) Bromomethane	2.75	94	82071	23.493	ug/l	99
6) Chloroethane	2.91	64	61981	20.853	ug/l	100
7) Trichlorofluoromethane	3.26	101	127561	20.898	ug/l	98
8) Diethyl Ether	3.69	74	46085	21.185	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	88471	20.292	ug/l	99
10) Methyl Iodide	4.28	142	75963	16.411	ug/l	99
11) Tert butyl alcohol	5.17	59	40506	129.940	ug/l #	94
12) 1,1-Dichloroethene	4.04	96	83303	20.751	ug/l	98
13) Acrolein	3.90	56	34550	114.739	ug/l	97
14) Allyl chloride	4.68	41	127521	20.673	ug/l	98
15) Acrylonitrile	5.37	53	105343	107.336	ug/l	98
16) Acetone	4.13	43	73004	103.469	ug/l	99
17) Carbon Disulfide	4.39	76	283530	20.121	ug/l	97
18) Methyl Acetate	4.68	43	46582	22.117	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	205859	21.530	ug/l	98
20) Methylene Chloride	4.92	84	122708	21.526	ug/l	99
21) trans-1,2-Dichloroethene	5.43	96	95862	20.452	ug/l	98
22) Diisopropyl ether	6.32	45	270694	21.798	ug/l	94
23) Vinyl Acetate	6.26	43	761939	110.096	ug/l	99
24) 1,1-Dichloroethane	6.22	63	164012	21.455	ug/l	100
25) 2-Butanone	7.18	43	126405	113.579	ug/l	96
26) 2,2-Dichloropropane	7.18	77	135936	20.510	ug/l	98
27) cis-1,2-Dichloroethene	7.18	96	105416	21.014	ug/l	98
28) Bromochloromethane	7.52	49	62319	22.098	ug/l	96
29) Tetrahydrofuran	7.54	42	82506	110.008	ug/l	99
30) Chloroform	7.68	83	160857	20.968	ug/l	99
31) Cyclohexane	7.96	56	168338	20.696	ug/l	97
32) 1,1,1-Trichloroethane	7.88	97	144636	20.870	ug/l	99
36) 1,1-Dichloropropene	8.09	75	138165	20.448	ug/l	99
37) Ethyl Acetate	7.26	43	56893	22.137	ug/l	99
38) Carbon Tetrachloride	8.07	117	128344	20.277	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	176015	19.620	ug/l	99
40) Benzene	8.33	78	416483	20.922	ug/l	99
41) Methacrylonitrile	7.49	41	33035	25.054	ug/l	94
42) 1,2-Dichloroethane	8.41	62	102540	21.532	ug/l	98
43) Isopropyl Acetate	8.43	43	103527	21.692	ug/l	99
44) Trichloroethene	9.10	130	112751	20.646	ug/l	96
45) 1,2-Dichloropropane	9.38	63	101561	21.226	ug/l	97
46) Dibromomethane	9.46	93	48926	20.890	ug/l	98
47) Bromodichloromethane	9.65	83	120933	21.108	ug/l	96
48) Methyl methacrylate	9.45	41	48581	19.604	ug/l	94
49) 1,4-Dioxane	9.45	88	18695	427.535	ug/l	97
51) 4-Methyl-2-Pentanone	10.22	43	291312	108.466	ug/l	99
52) Toluene	10.40	92	301105	20.812	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	128350	20.729	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	156279	21.077	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	79434	21.271	ug/l	99
56) Ethyl methacrylate	10.65	69	97435	20.581	ug/l	99
57) 1,3-Dichloropropane	10.94	76	130262	21.007	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	227460	110.541	ug/l	98
59) 2-Hexanone	10.98	43	206027	106.407	ug/l	98
60) Dibromochloromethane	11.13	129	85733	20.690	ug/l	100
61) 1,2-Dibromoethane	11.24	107	72166	21.073	ug/l	100
64) Tetrachloroethene	10.87	164	111934	20.169	ug/l	97
65) Chlorobenzene	11.66	112	330373	20.161	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	98816	20.196	ug/l	100
67) Ethyl Benzene	11.74	91	569141	19.944	ug/l	100
68) m/p-Xylenes	11.85	106	458009	39.827	ug/l	99
69) o-Xylene	12.18	106	214457	20.044	ug/l	98
70) Styrene	12.19	104	352101	20.168	ug/l	100
71) Bromoform	12.35	173	53763	20.266	ug/l #	97
73) Isopropylbenzene	12.48	105	573365	20.438	ug/l	100
74) N-amyl acetate	12.28	43	113724	21.306	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	89014	21.113	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	116678	38.205	ug/l #	100
77) Bromobenzene	12.76	156	136852	20.706	ug/l	98
78) n-propylbenzene	12.81	91	696885	20.683	ug/l	99
79) 2-Chlorotoluene	12.90	91	395260	20.457	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	486883	20.381	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	26108	20.049	ug/l	95
82) 4-Chlorotoluene	13.00	91	422646	20.811	ug/l	100
83) tert-Butylbenzene	13.21	119	428088	20.490	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	499916	20.825	ug/l	98
85) sec-Butylbenzene	13.40	105	613142	20.420	ug/l	99
86) p-Isopropyltoluene	13.51	119	537023	20.203	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	280409	20.205	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	276518	20.286	ug/l	100
89) n-Butylbenzene	13.83	91	495400	19.826	ug/l	98
90) Hexachloroethane	14.10	117	86662	20.350	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	253922	20.817	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	14753	21.042	ug/l	96

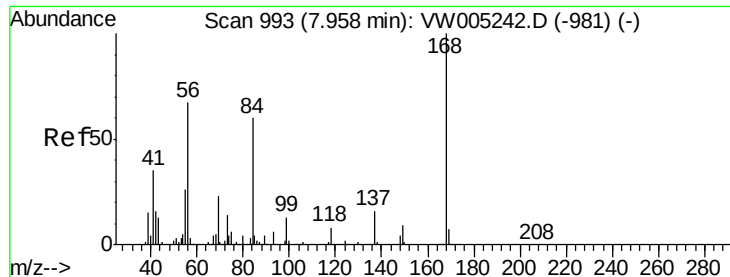
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW091018\
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Quant Title : SW846 8260
QLast Update : Tue Sep 11 03:48:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	170374	19.746	ug/l	99
94) Hexachlorobutadiene	15.25	225	110598	20.016	ug/l	99
95) Naphthalene	15.38	128	276742	19.782	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	150250	20.237	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW005248.D

Acq: 10 Sep 2018 18:46

Instrument :

MSVOA_W

ClientSampleId :

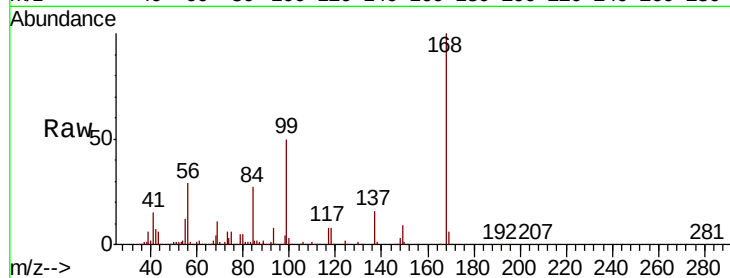
VW0910SBS01

Tgt Ion:168 Resp: 509640

Ion Ratio Lower Upper

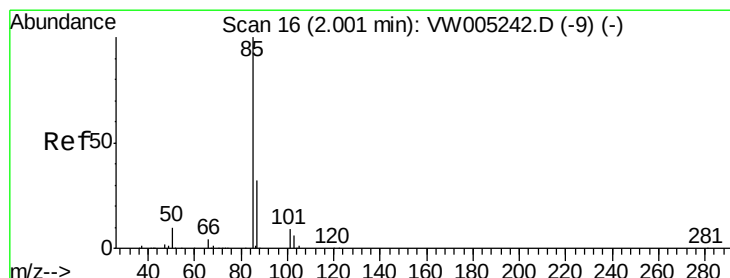
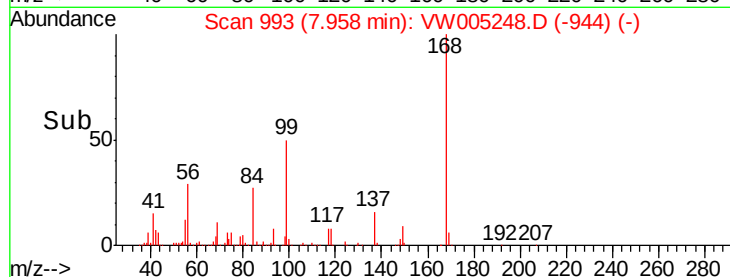
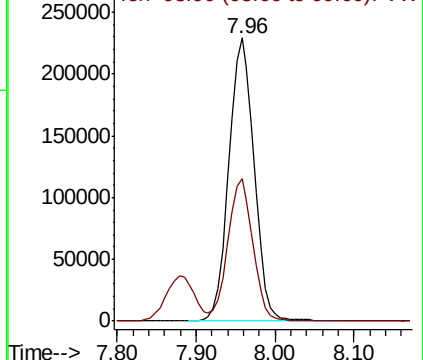
168 100

99 50.4 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 22.204 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW005248.D

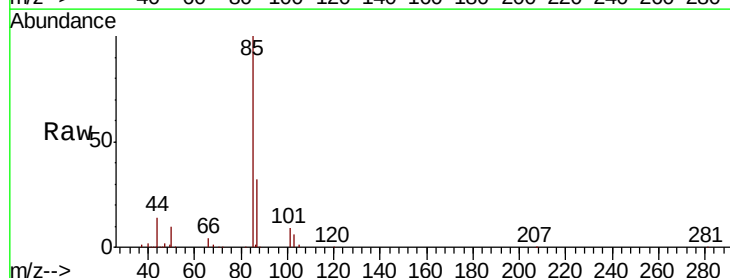
Acq: 10 Sep 2018 18:46

Tgt Ion: 85 Resp: 97617

Ion Ratio Lower Upper

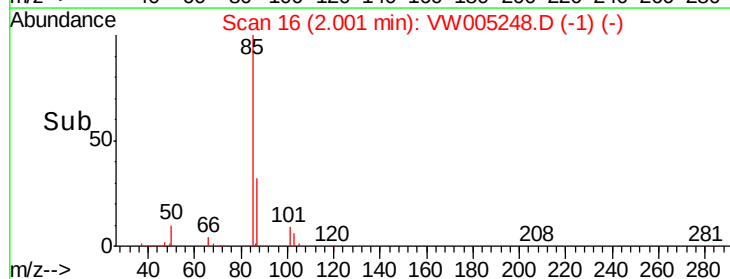
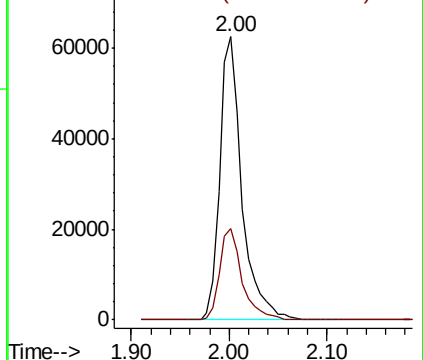
85 100

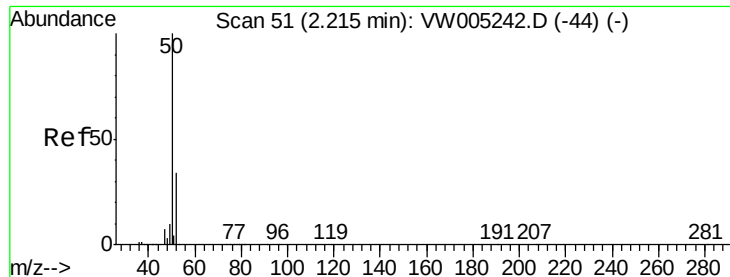
87 32.1 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 21.657 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW005248.D

Acq: 10 Sep 2018 18:46

Instrument :

MSVOA_W

ClientSampleId :

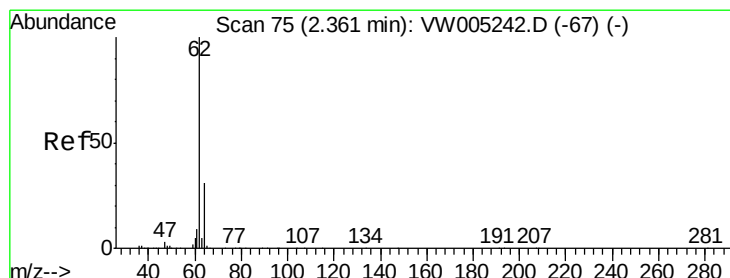
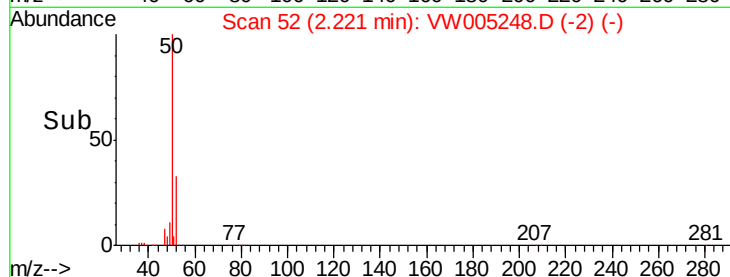
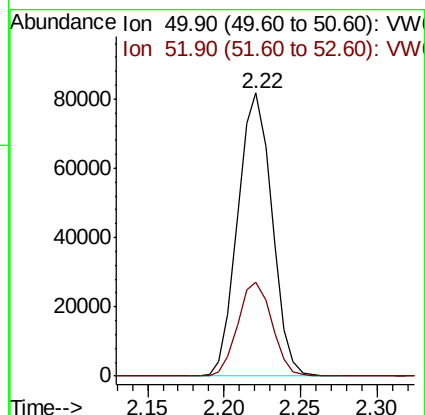
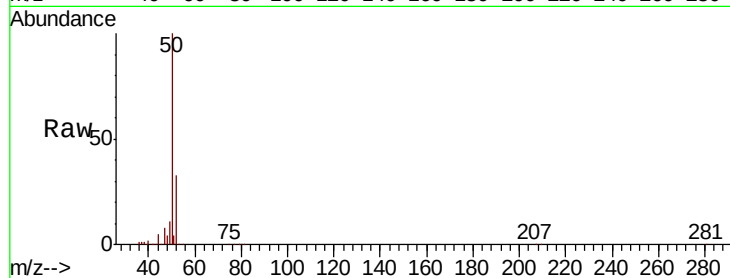
VW0910SBS01

Tgt Ion: 50 Resp: 127289

Ion Ratio Lower Upper

50 100

52 33.0 27.0 40.4



#4

Vinyl Chloride

Concen: 21.402 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW005248.D

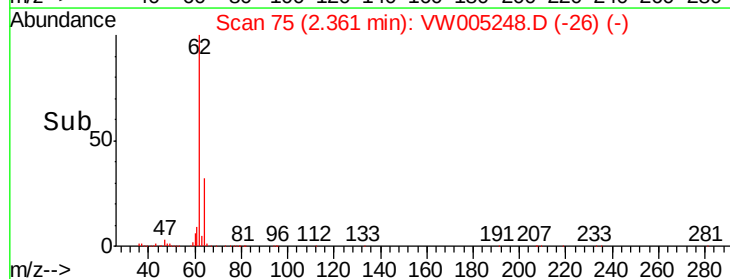
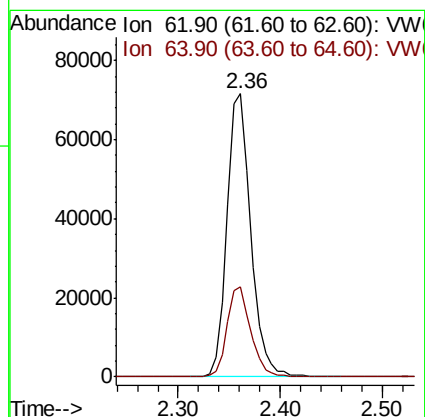
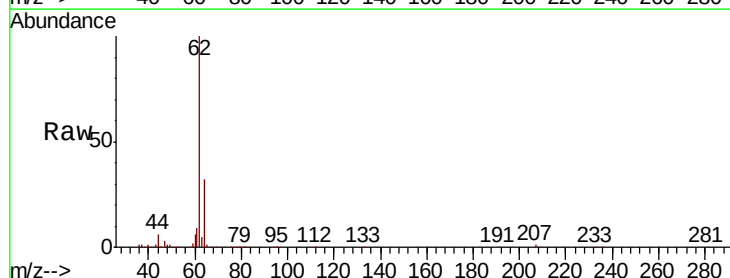
Acq: 10 Sep 2018 18:46

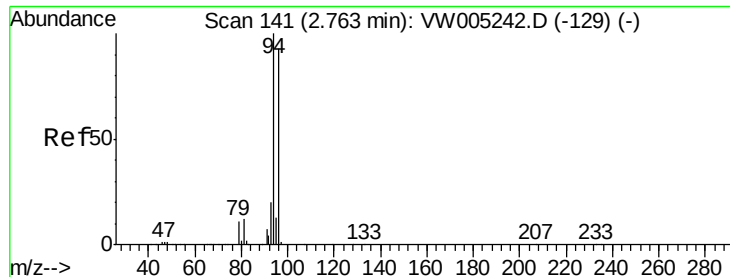
Tgt Ion: 62 Resp: 115482

Ion Ratio Lower Upper

62 100

64 31.9 24.6 37.0





#5

Bromomethane

Concen: 23.493 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.01 min

Lab File: VW005248.D

Acq: 10 Sep 2018 18:46

Instrument :

MSVOA_W

ClientSampleId :

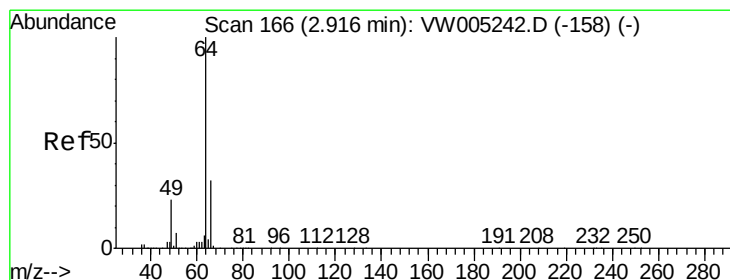
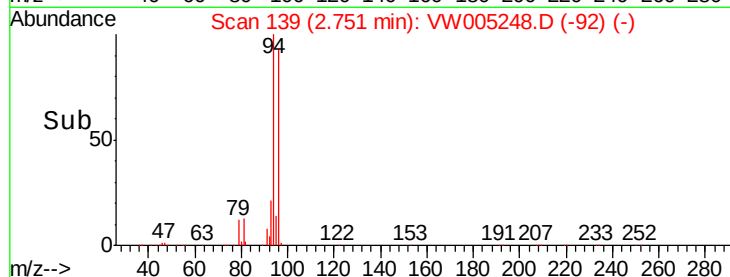
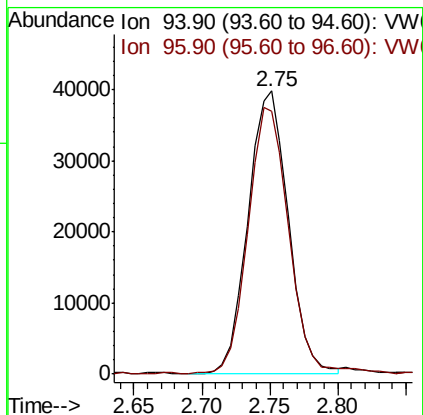
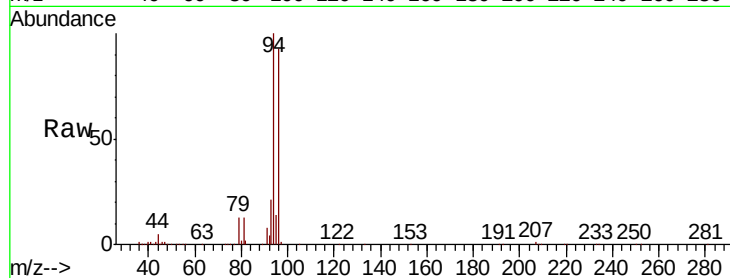
VW0910SBS01

Tgt Ion: 94 Resp: 82071

Ion Ratio Lower Upper

94 100

96 93.1 74.1 111.1



#6

Chloroethane

Concen: 20.853 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW005248.D

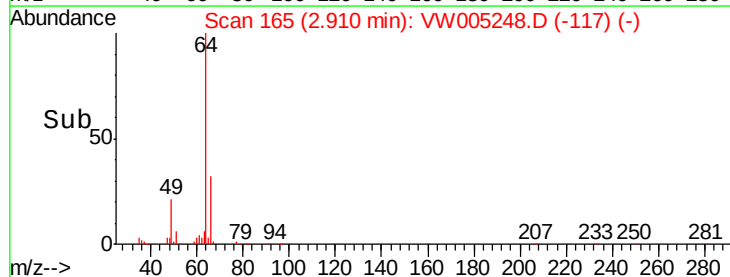
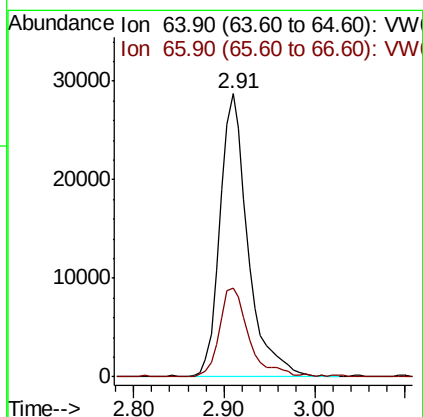
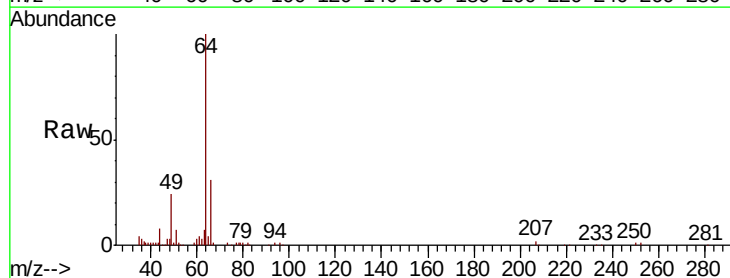
Acq: 10 Sep 2018 18:46

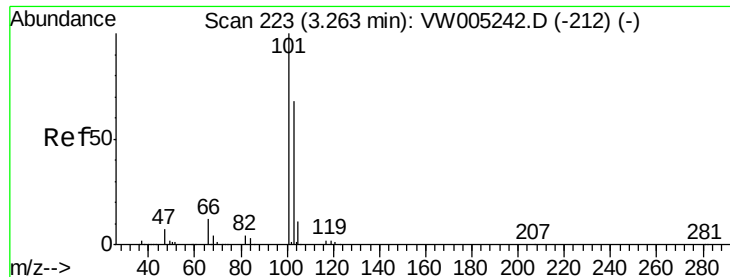
Tgt Ion: 64 Resp: 61981

Ion Ratio Lower Upper

64 100

66 31.4 25.3 37.9



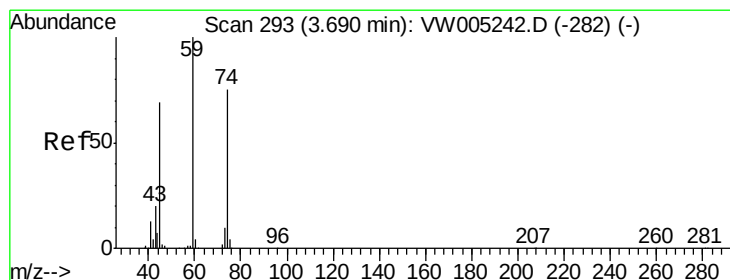
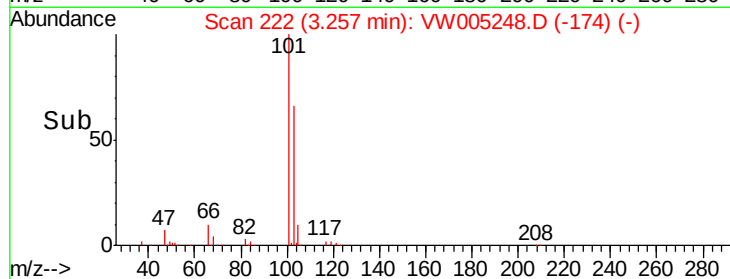
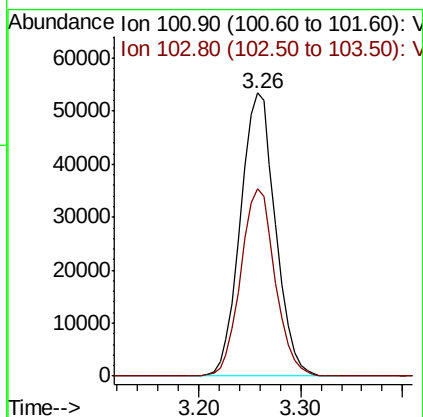
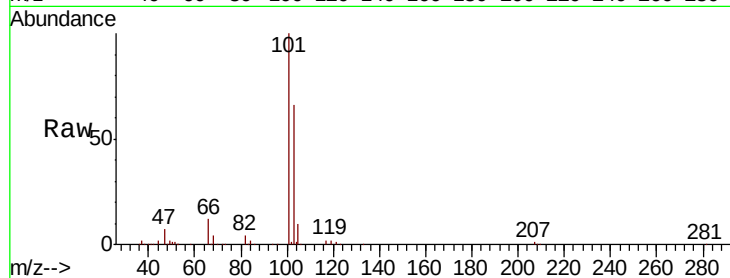


#7

Trichlorofluoromethane
 Concen: 20.898 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW005248.D
 Acq: 10 Sep 2018 18:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0910SBS01

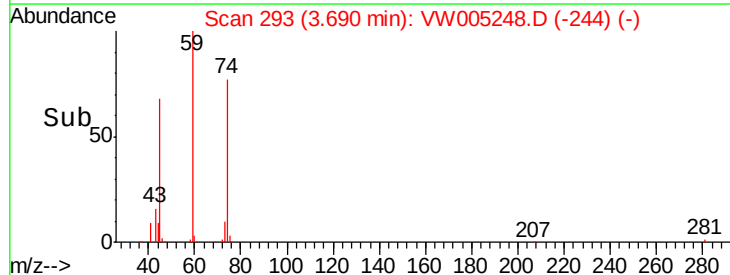
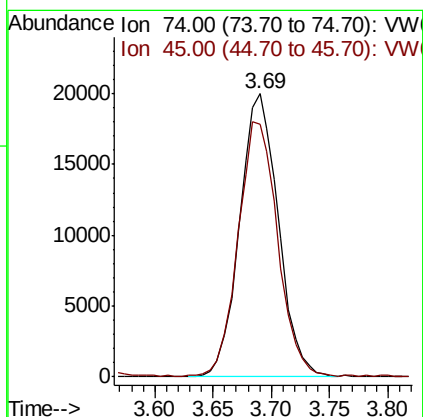
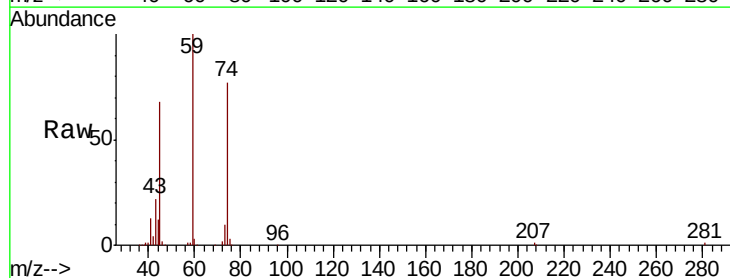
Tgt Ion: 101 Resp: 127561
 Ion Ratio Lower Upper
 101 100
 103 66.2 54.1 81.1

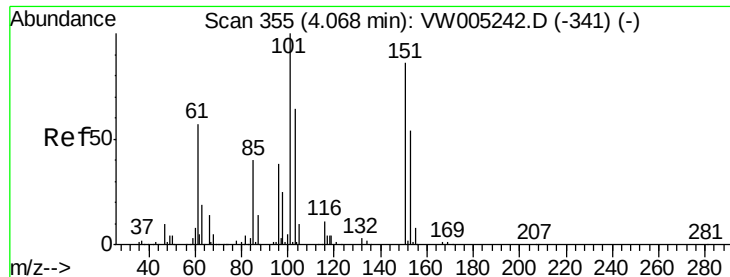


#8

Diethyl Ether
 Concen: 21.185 ug/l
 RT: 3.69 min Scan# 293
 Delta R.T. 0.00 min
 Lab File: VW005248.D
 Acq: 10 Sep 2018 18:46

Tgt Ion: 74 Resp: 46085
 Ion Ratio Lower Upper
 74 100
 45 92.6 45.1 135.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.292 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW005248.D

Acq: 10 Sep 2018 18:46

Instrument :

MSVOA_W

ClientSampleId :

VW0910SBS01

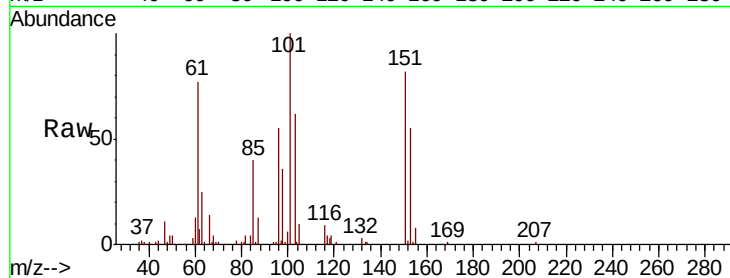
Tgt Ion:101 Resp: 88471

Ion Ratio Lower Upper

101 100

85 42.1 32.7 49.1

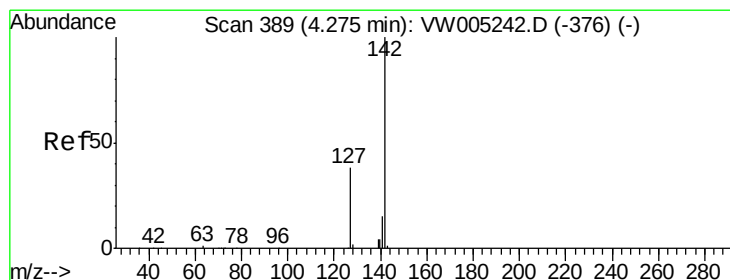
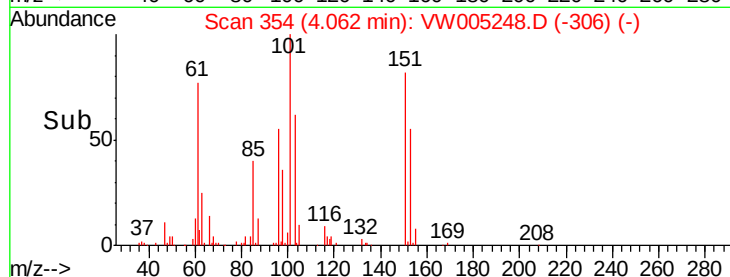
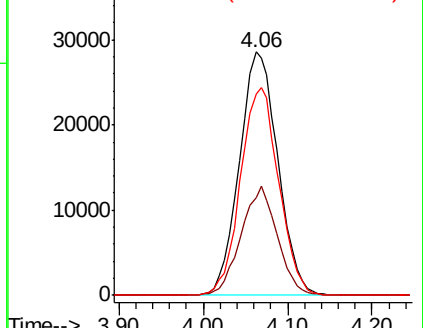
151 84.7 67.6 101.4



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: 16.411 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.00 min

Lab File: VW005248.D

Acq: 10 Sep 2018 18:46

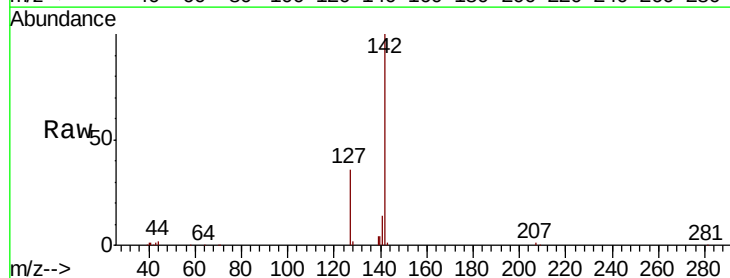
Tgt Ion:142 Resp: 75963

Ion Ratio Lower Upper

142 100

127 37.2 30.3 45.5

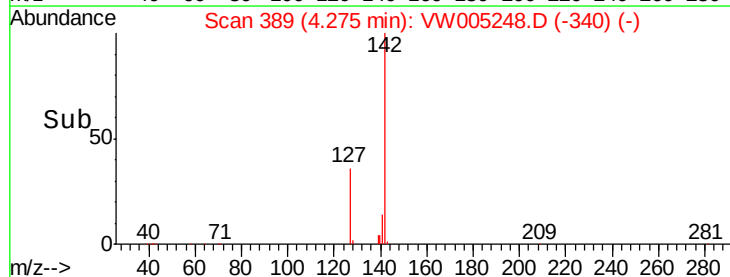
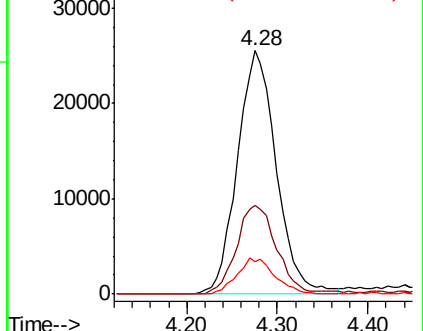
141 14.3 11.4 17.0

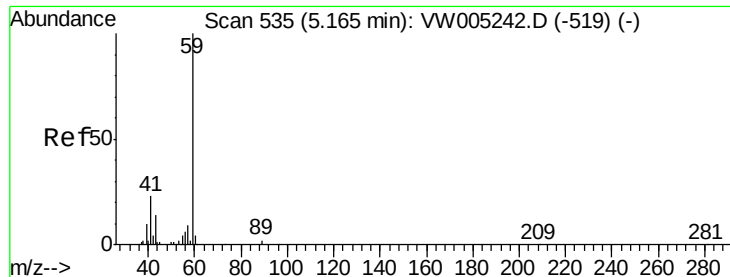


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



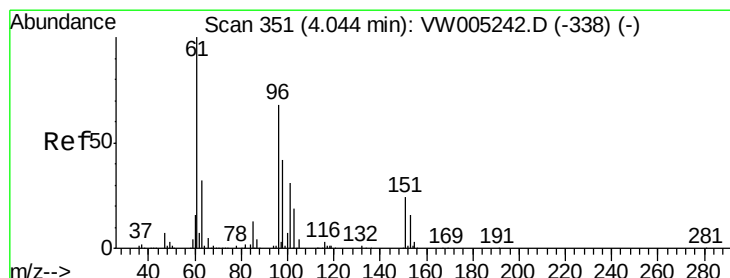
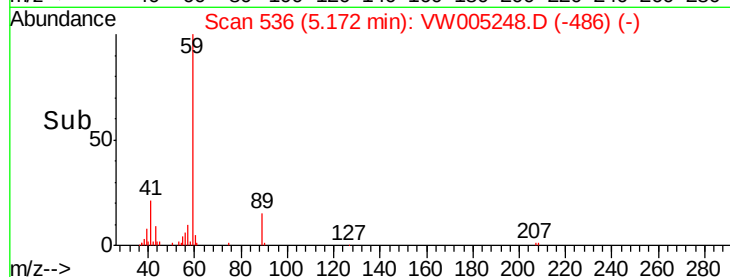
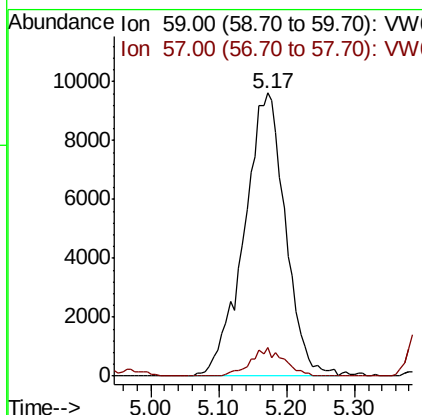
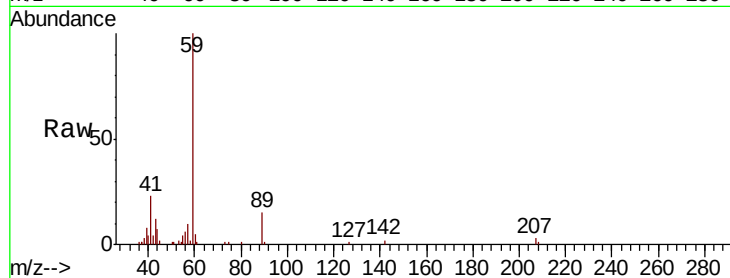


#11

Tert butyl alcohol
 Concen: 129.940 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.01 min
 Lab File: VW005248.D
 Acq: 10 Sep 2018 18:46

Instrument :
 MSVOA_W
 ClientSampled :
 VW0910SBS01

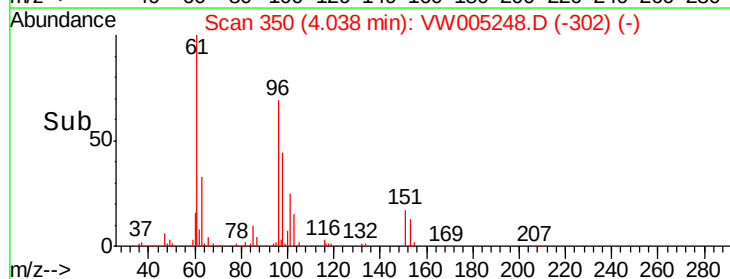
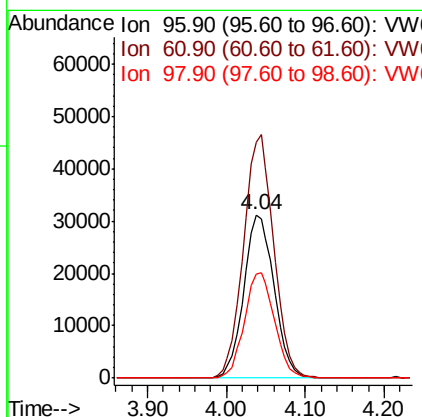
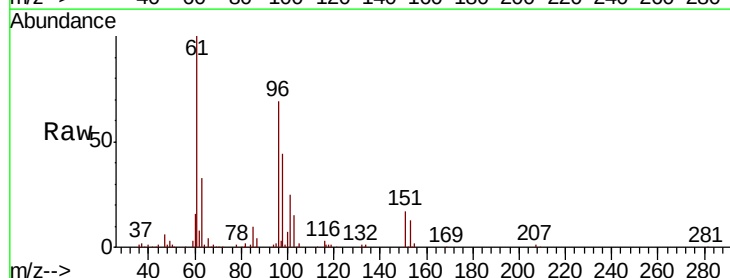
Tgt Ion: 59 Resp: 40506
 Ion Ratio Lower Upper
 59 100
 57 8.1 8.1 12.1#

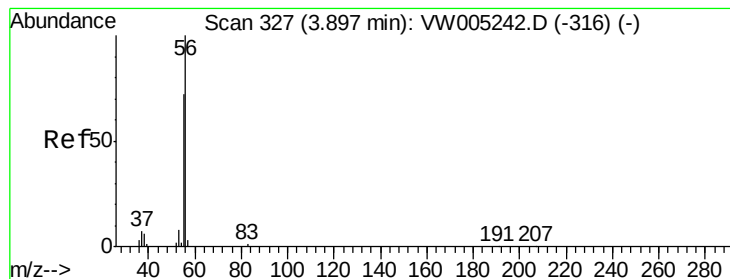


#12

1,1-Dichloroethene
 Concen: 20.751 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VW005248.D
 Acq: 10 Sep 2018 18:46

Tgt Ion: 96 Resp: 83303
 Ion Ratio Lower Upper
 96 100
 61 144.7 118.2 177.2
 98 63.8 49.9 74.9





#13

Acrolein

Concen: 114.739 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.00 min

Lab File: VW005248.D

Acq: 10 Sep 2018 18:46

Instrument :

MSVOA_W

ClientSampleId :

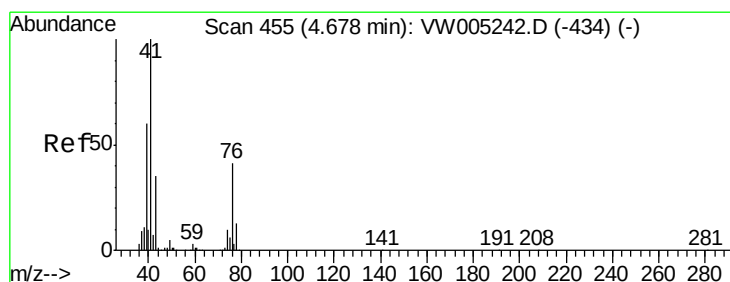
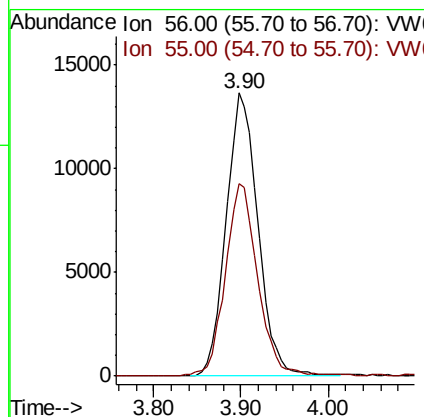
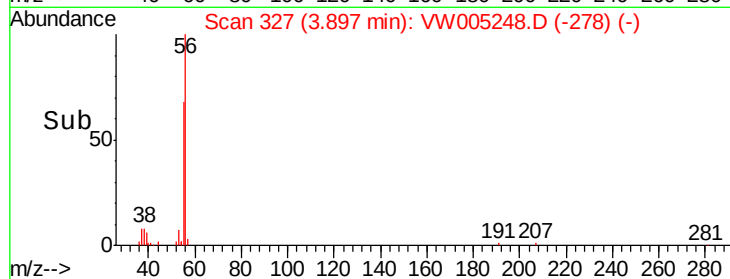
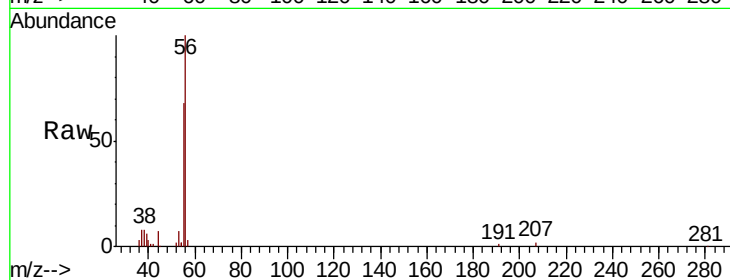
VW0910SBS01

Tgt Ion: 56 Resp: 34550

Ion Ratio Lower Upper

56 100

55 68.9 56.8 85.2



#14

Allyl chloride

Concen: 20.673 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW005248.D

Acq: 10 Sep 2018 18:46

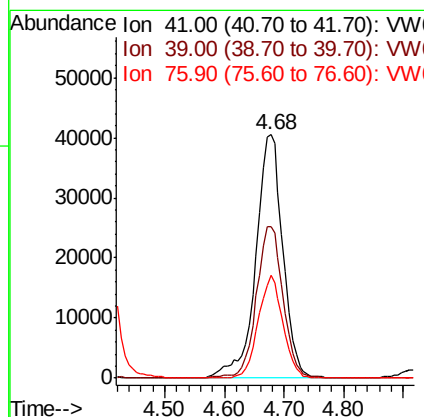
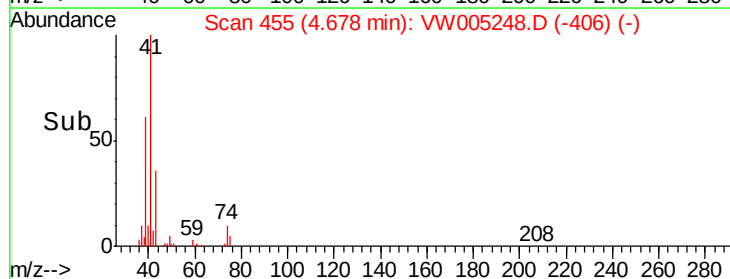
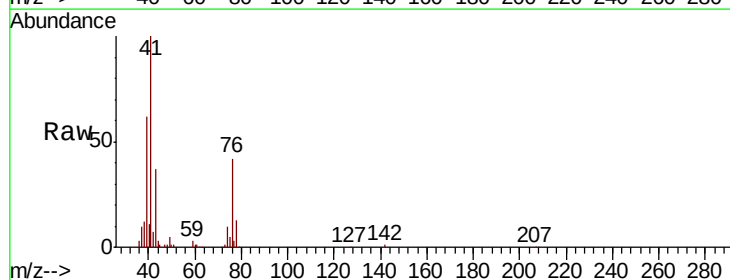
Tgt Ion: 41 Resp: 127521

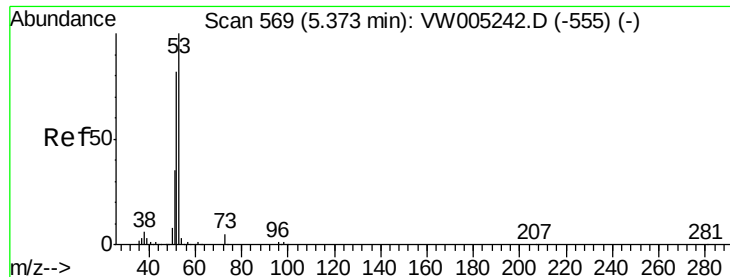
Ion Ratio Lower Upper

41 100

39 61.5 48.2 72.4

76 38.4 31.7 47.5





#15

Acrylonitrile

Concen: 107.336 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.00 min

Lab File: VW005248.D

Acq: 10 Sep 2018 18:46

Instrument :

MSVOA_W

ClientSampleId :

VW0910SBS01

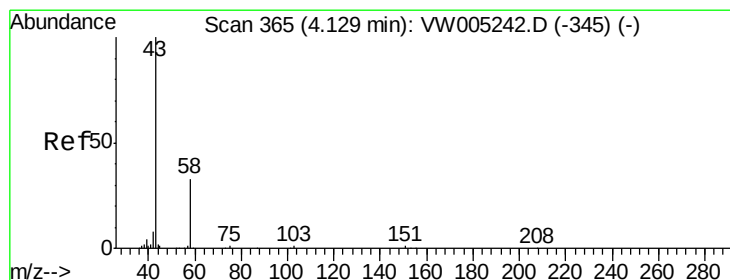
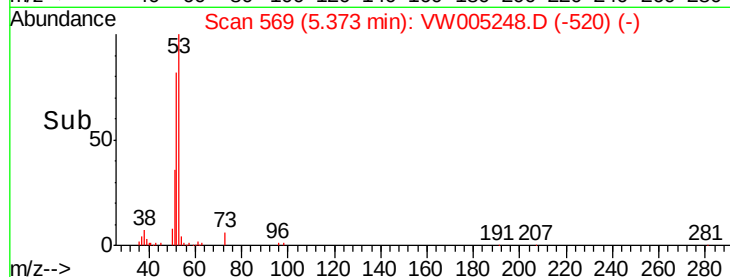
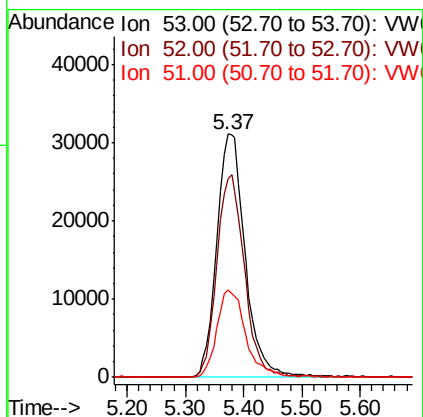
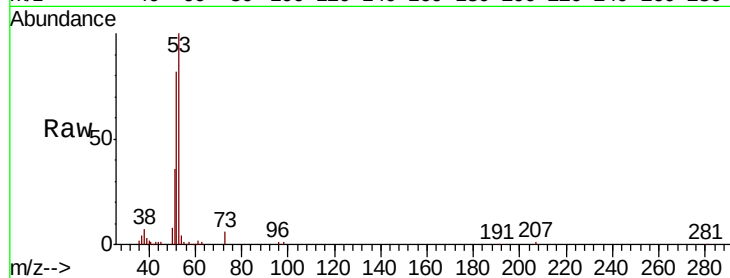
Tgt Ion: 53 Resp: 105343

Ion Ratio Lower Upper

53 100

52 80.8 66.0 99.0

51 36.3 28.6 43.0



#16

Acetone

Concen: 103.469 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

Lab File: VW005248.D

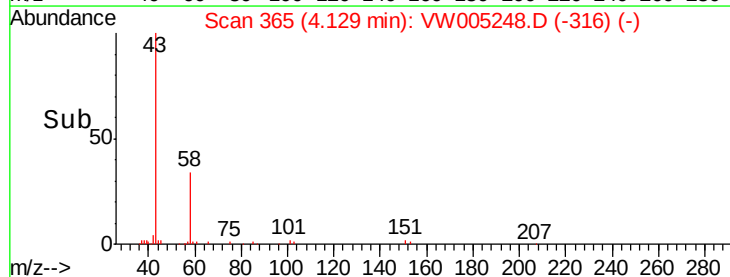
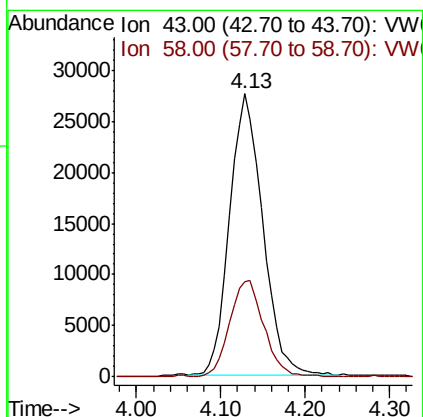
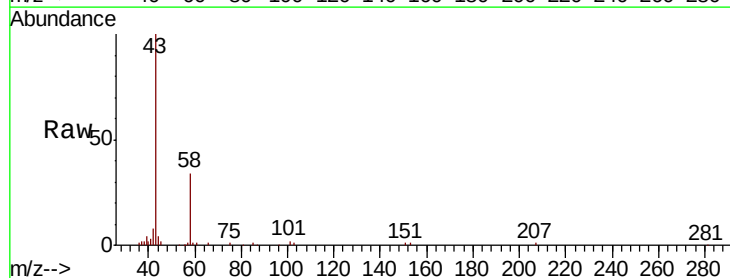
Acq: 10 Sep 2018 18:46

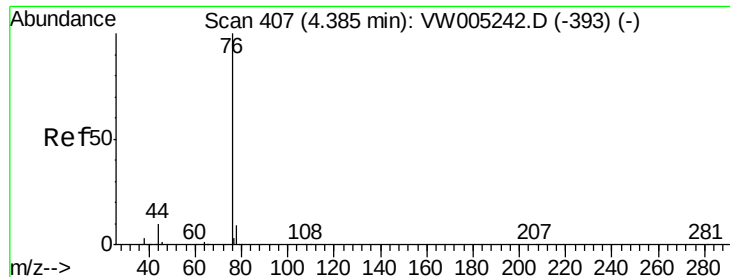
Tgt Ion: 43 Resp: 73004

Ion Ratio Lower Upper

43 100

58 34.0 26.7 40.1





#17

Carbon Disulfide

Concen: 20.121 ug/l

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW005248.D

Acq: 10 Sep 2018 18:46

Instrument :

MSVOA_W

ClientSampleId :

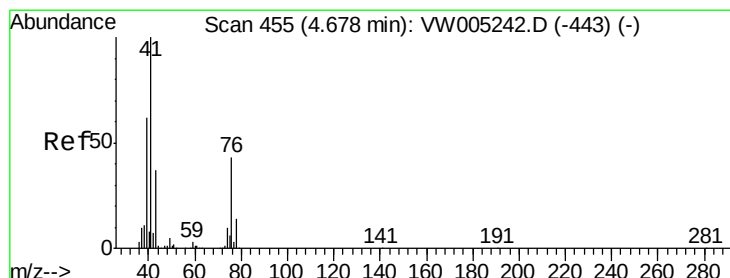
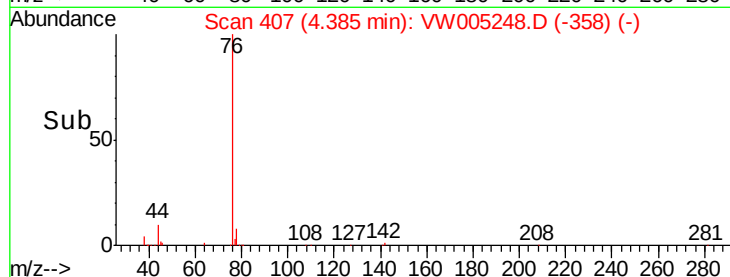
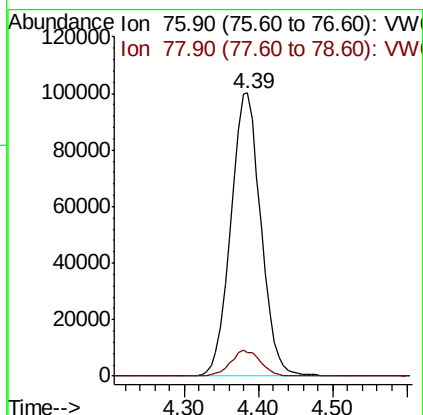
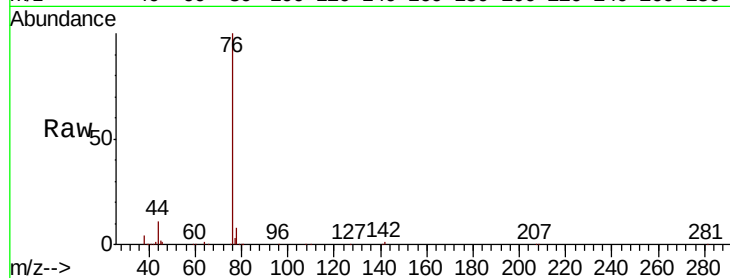
VW0910SBS01

Tgt Ion: 76 Resp: 283530

Ion Ratio Lower Upper

76 100

78 8.2 7.5 11.3



#18

Methyl Acetate

Concen: 22.117 ug/l

RT: 4.68 min Scan# 456

Delta R.T. 0.01 min

Lab File: VW005248.D

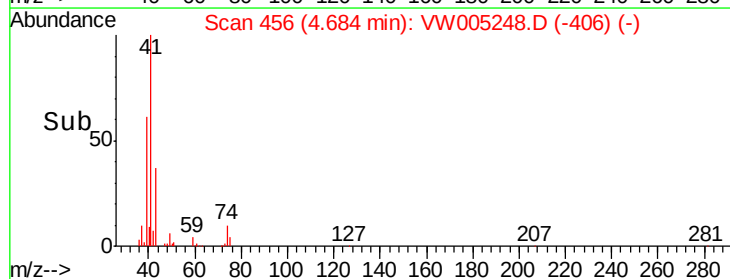
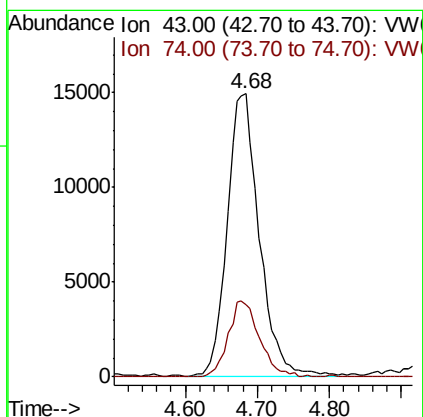
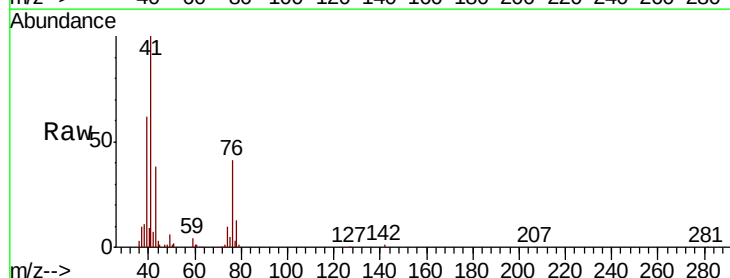
Acq: 10 Sep 2018 18:46

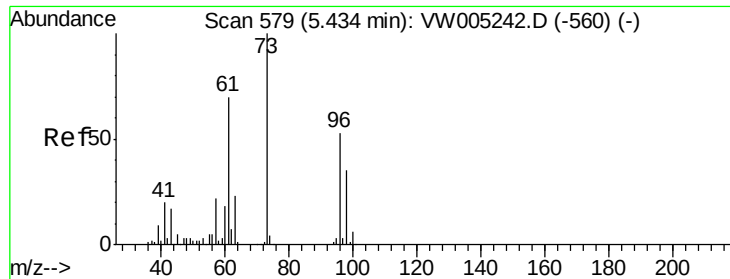
Tgt Ion: 43 Resp: 46582

Ion Ratio Lower Upper

43 100

74 26.0 21.4 32.2

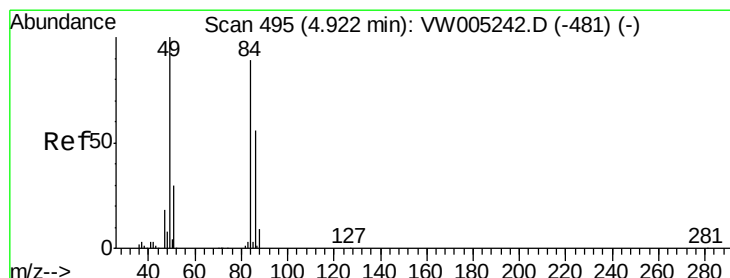
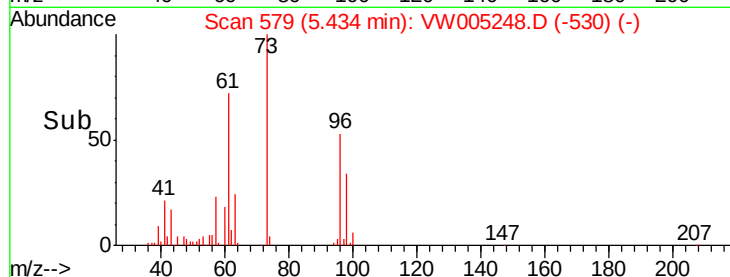
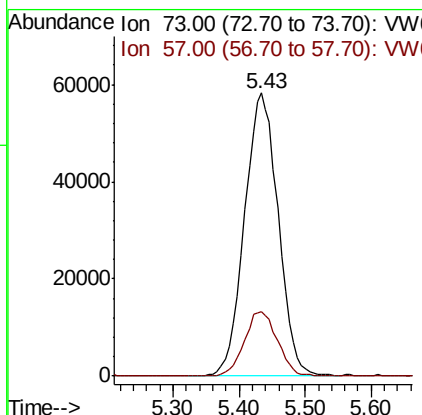
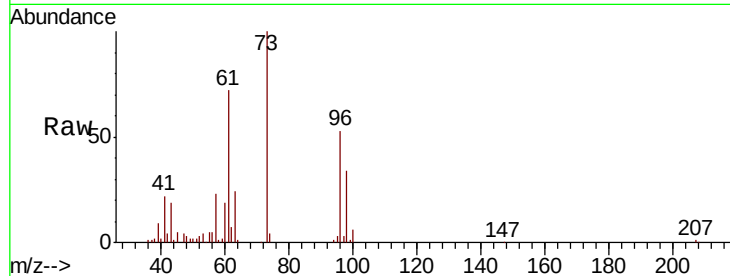




#19
Methyl tert-butyl Ether
Concen: 21.530 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.00 min
Lab File: VW005248.D
Acq: 10 Sep 2018 18:46

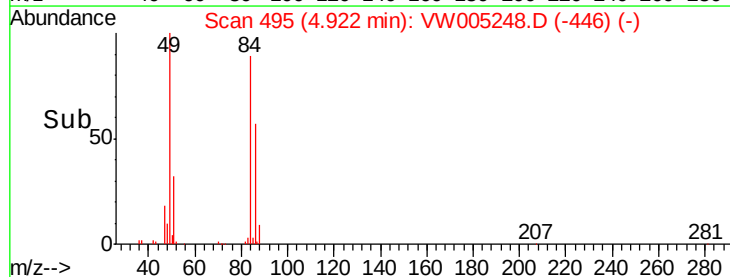
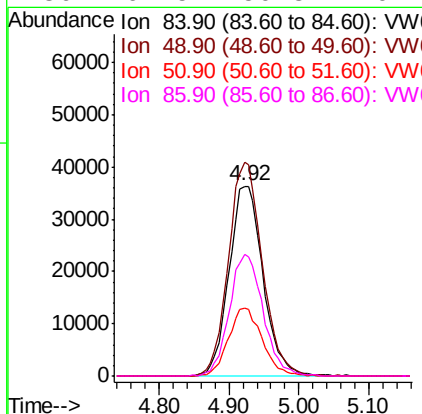
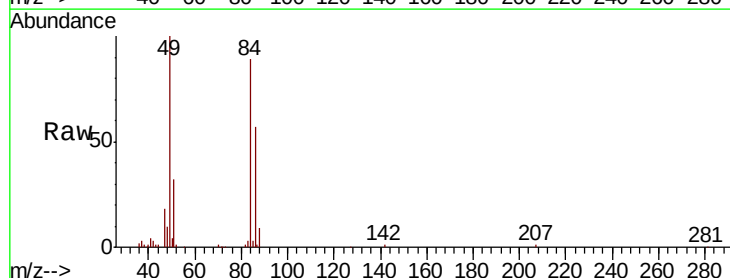
Instrument :
MSVOA_W
ClientSampleId :
VW0910SBS01

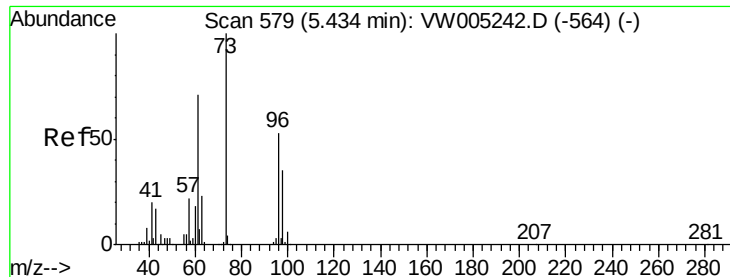
Tgt Ion: 73 Resp: 205859
Ion Ratio Lower Upper
73 100
57 22.9 17.4 26.2



#20
Methylene Chloride
Concen: 21.526 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW005248.D
Acq: 10 Sep 2018 18:46

Tgt Ion: 84 Resp: 122708
Ion Ratio Lower Upper
84 100
49 112.7 90.3 135.5
51 35.9 26.9 40.3
86 64.5 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 20.452 ug/l

RT: 5.43 min Scan# 578

Delta R.T. -0.01 min

Lab File: VW005248.D

Acq: 10 Sep 2018 18:46

Instrument :

MSVOA_W

ClientSampleId :

VW0910SBS01

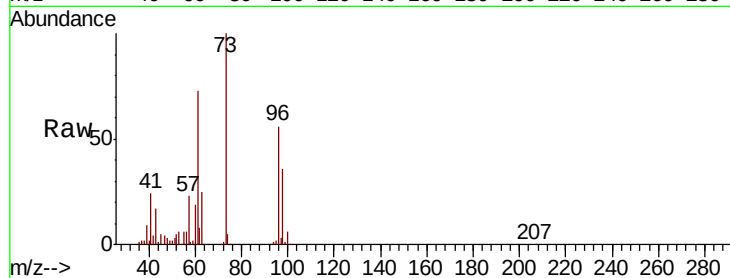
Tgt Ion: 96 Resp: 95862

Ion Ratio Lower Upper

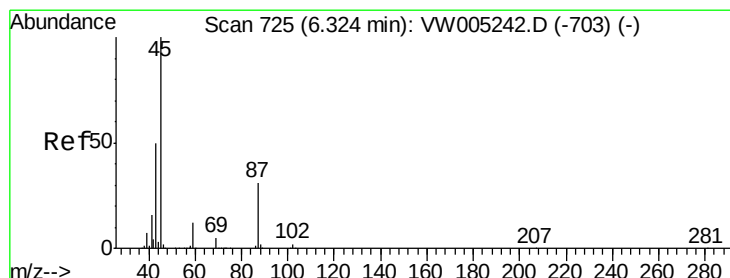
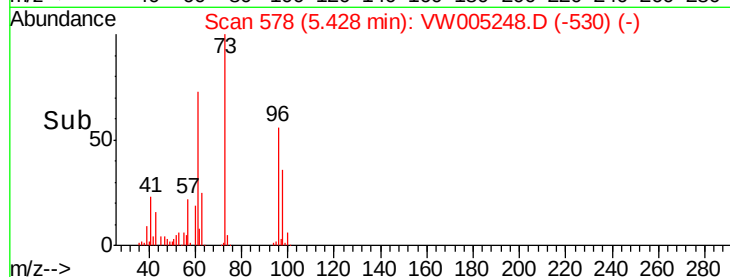
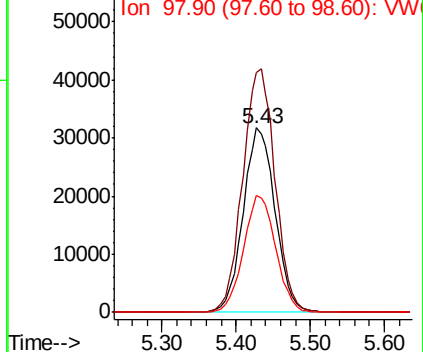
96 100

61 130.2 105.7 158.5

98 63.7 52.8 79.2



Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 21.798 ug/l

RT: 6.32 min Scan# 724

Delta R.T. -0.01 min

Lab File: VW005248.D

Acq: 10 Sep 2018 18:46

Tgt Ion: 45 Resp: 270694

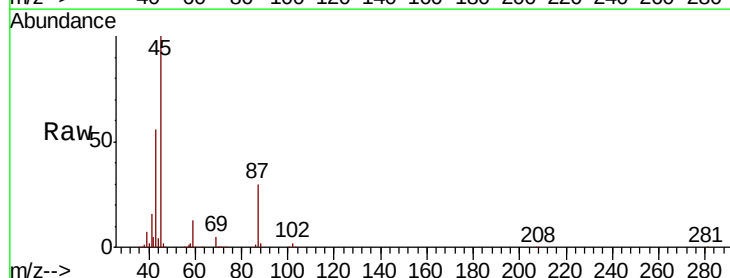
Ion Ratio Lower Upper

45 100

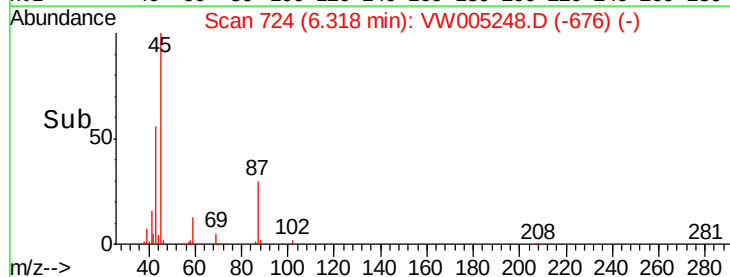
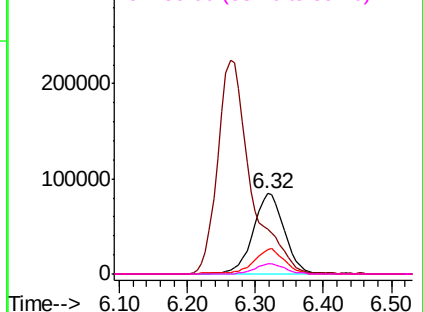
43 55.7 39.6 59.4

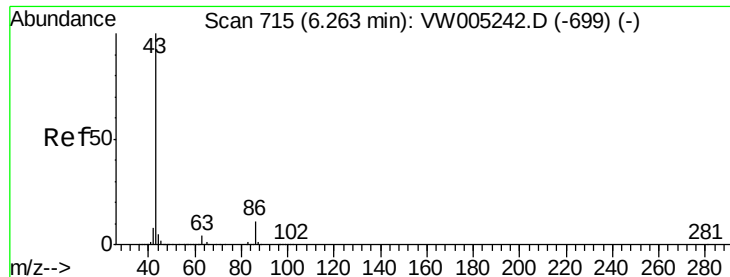
87 29.7 24.7 37.1

59 12.5 9.7 14.5



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW

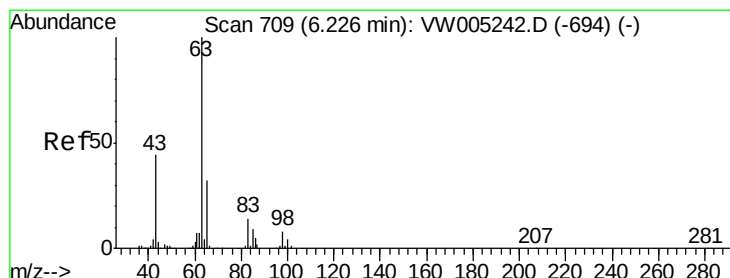
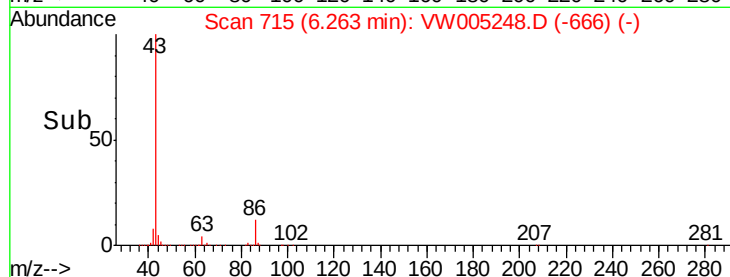
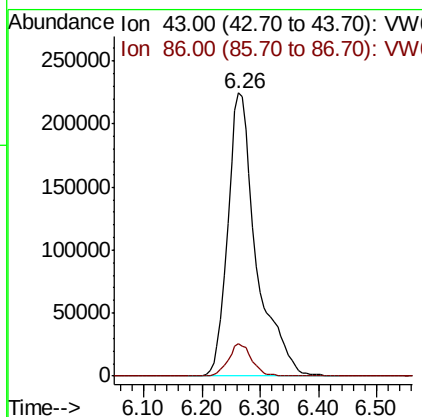
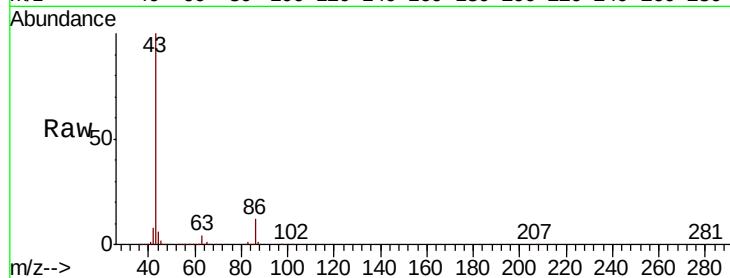




#23
 Vinyl Acetate
 Concen: 110.096 ug/l
 RT: 6.26 min Scan# 715
 Delta R.T. 0.00 min
 Lab File: VW005248.D
 Acq: 10 Sep 2018 18:46

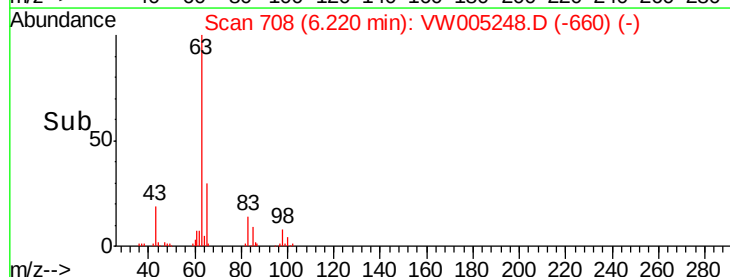
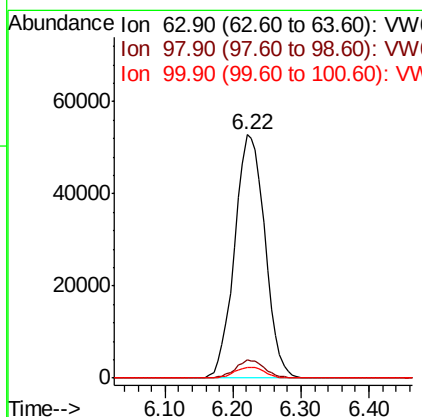
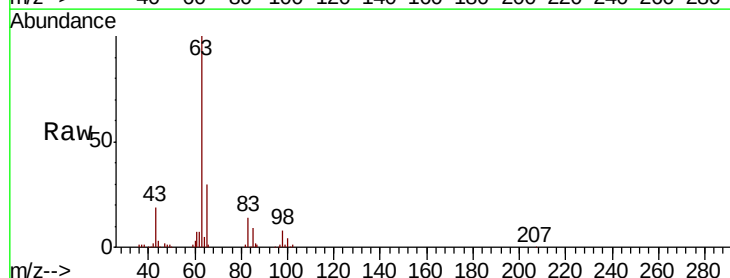
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0910SBS01

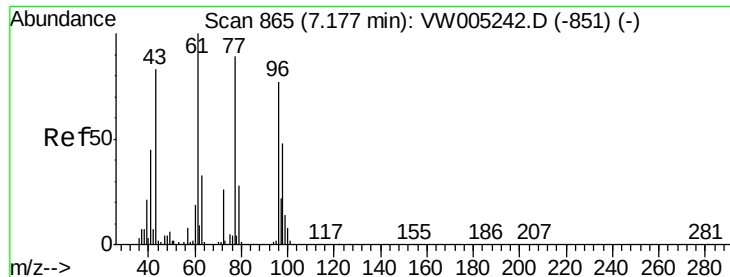
Tgt Ion: 43 Resp: 761939
 Ion Ratio Lower Upper
 43 100
 86 11.5 8.9 13.3



#24
 1,1-Dichloroethane
 Concen: 21.455 ug/l
 RT: 6.22 min Scan# 708
 Delta R.T. -0.01 min
 Lab File: VW005248.D
 Acq: 10 Sep 2018 18:46

Tgt Ion: 63 Resp: 164012
 Ion Ratio Lower Upper
 63 100
 98 7.7 3.8 11.4
 100 4.3 2.2 6.6





#25

2-Butanone

Concen: 113.579 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW005248.D

Acq: 10 Sep 2018 18:46

Instrument :

MSVOA_W

ClientSampleId :

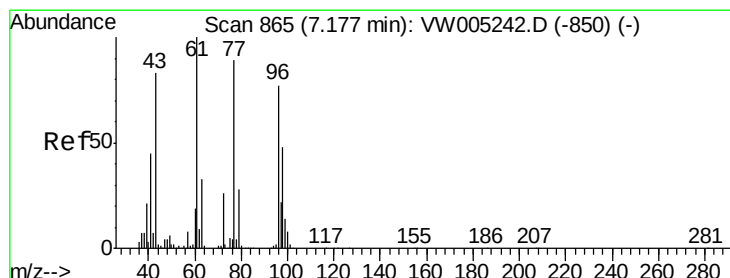
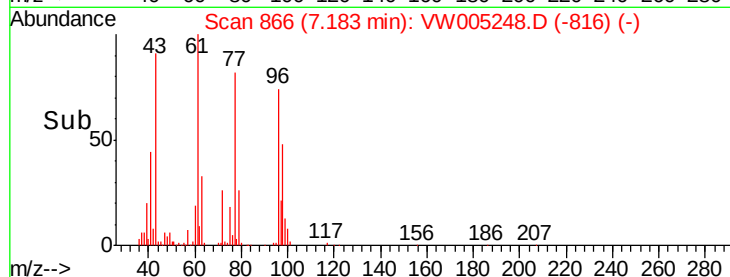
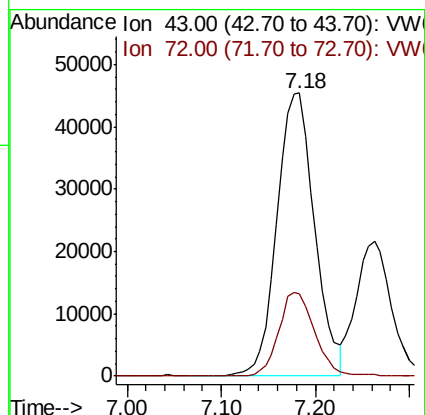
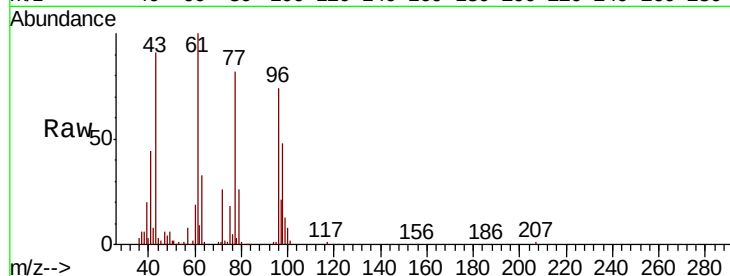
VW0910SBS01

Tgt Ion: 43 Resp: 126405

Ion Ratio Lower Upper

43 100

72 29.1 25.0 37.6



#26

2,2-Dichloropropane

Concen: 20.510 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW005248.D

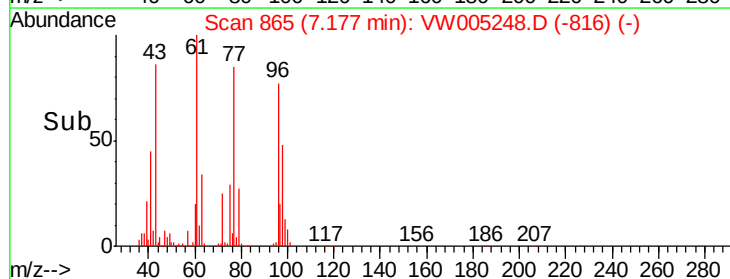
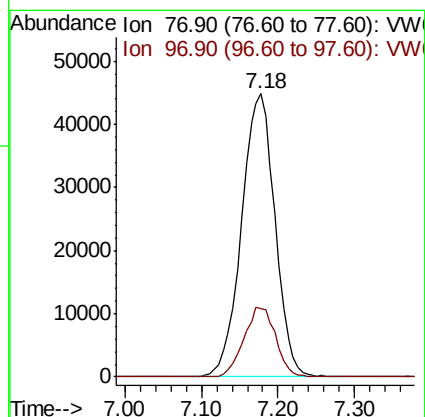
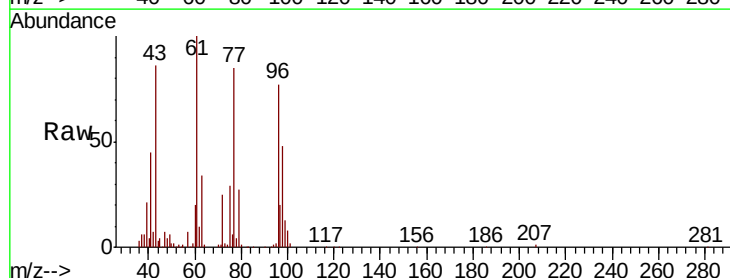
Acq: 10 Sep 2018 18:46

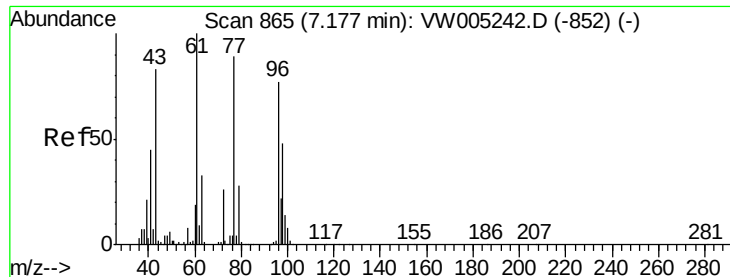
Tgt Ion: 77 Resp: 135936

Ion Ratio Lower Upper

77 100

97 23.5 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 21.014 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW005248.D

Acq: 10 Sep 2018 18:46

Instrument :

MSVOA_W

ClientSampleId :

VW0910SBS01

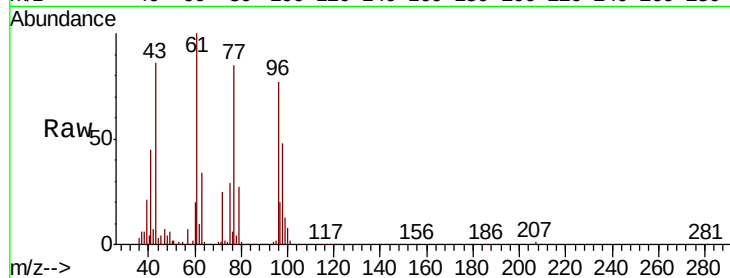
Tgt Ion: 96 Resp: 105416

Ion Ratio Lower Upper

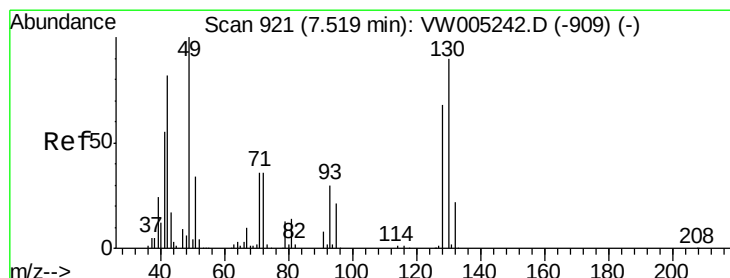
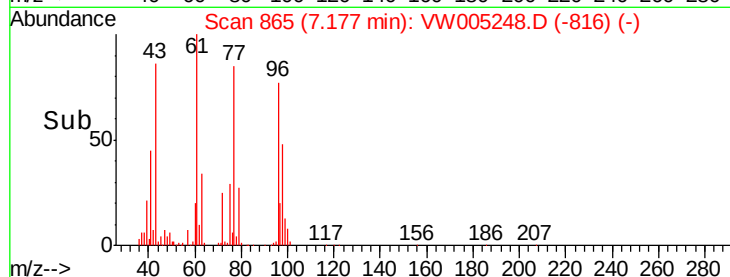
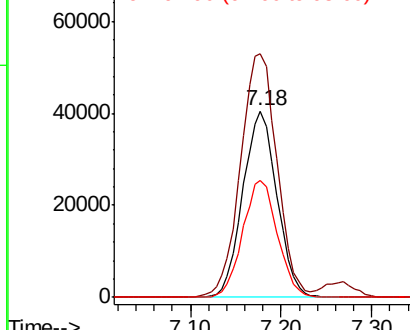
96 100

61 140.3 0.0 273.4

98 63.8 0.0 127.8



Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#28

Bromochloromethane

Concen: 22.098 ug/l

RT: 7.52 min Scan# 921

Delta R.T. 0.00 min

Lab File: VW005248.D

Acq: 10 Sep 2018 18:46

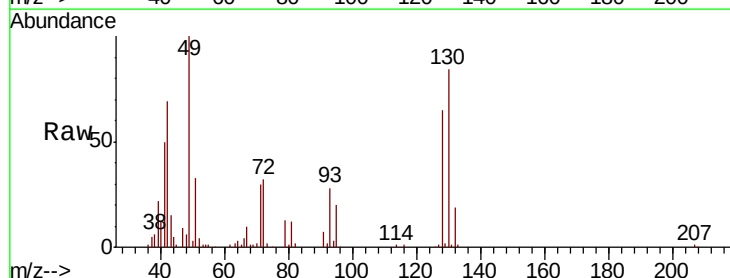
Tgt Ion: 49 Resp: 62319

Ion Ratio Lower Upper

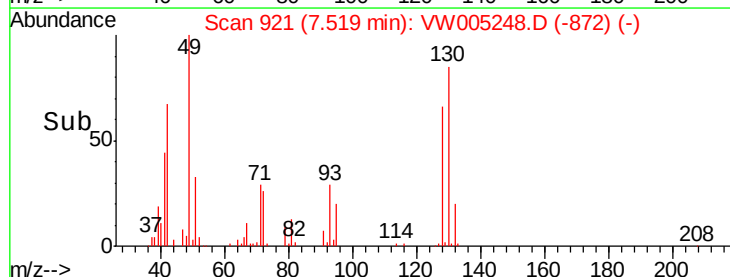
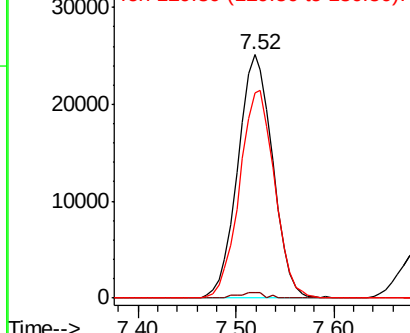
49 100

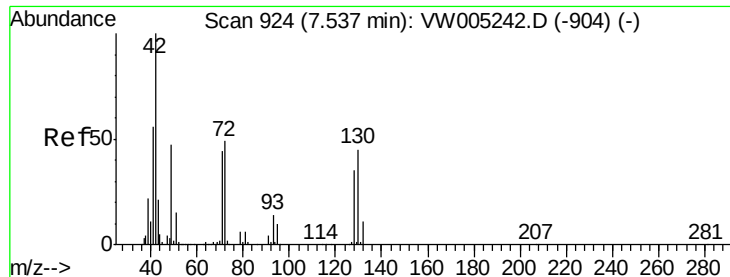
129 1.8 0.0 2.0

130 85.6 71.2 106.8



Abundance Ion 48.90 (48.60 to 49.60): VW
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 110.008 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.00 min

Lab File: VW005248.D

Acq: 10 Sep 2018 18:46

Instrument :

MSVOA_W

ClientSampleId :

VW0910SBS01

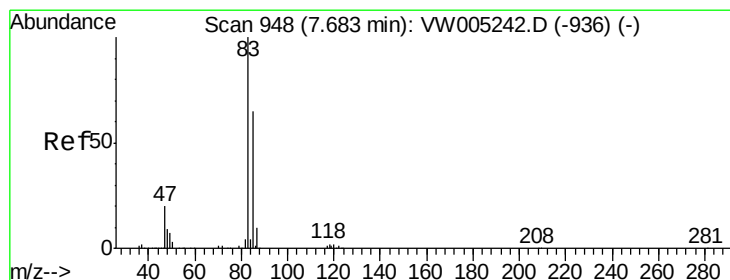
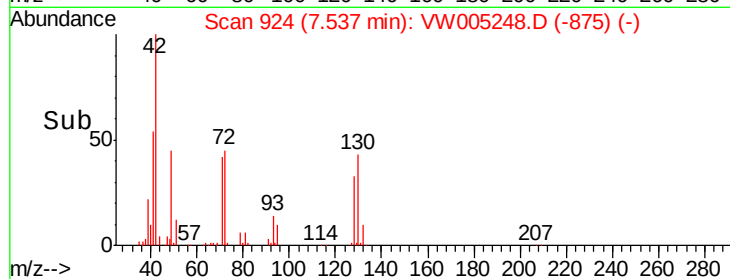
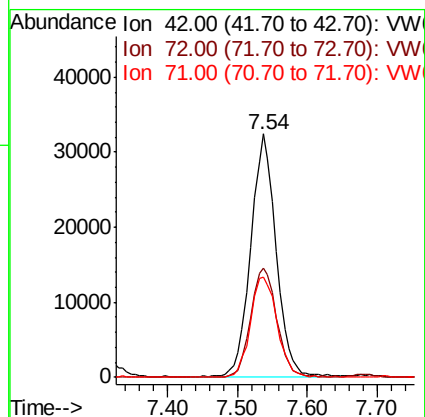
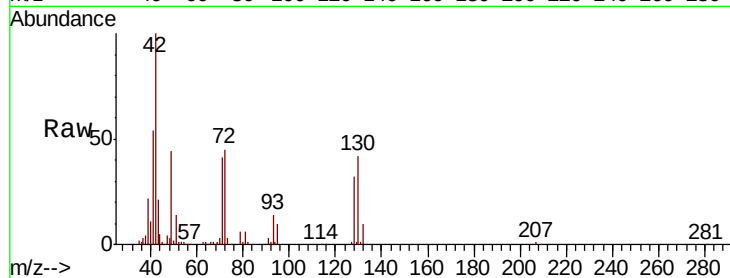
Tgt Ion: 42 Resp: 82506

Ion Ratio Lower Upper

42 100

72 45.8 37.5 56.3

71 43.1 34.8 52.2



#30

Chloroform

Concen: 20.968 ug/l

RT: 7.68 min Scan# 948

Delta R.T. 0.00 min

Lab File: VW005248.D

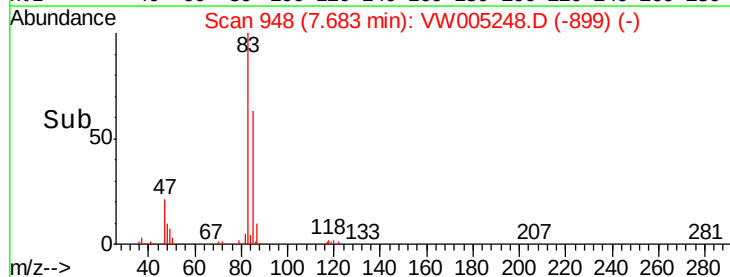
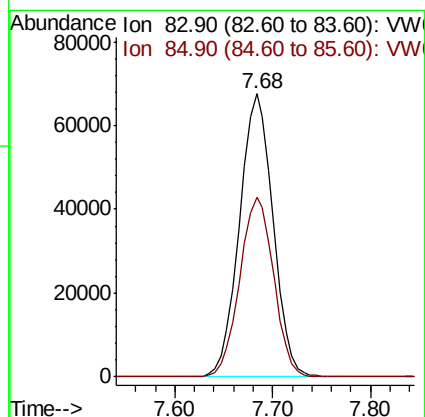
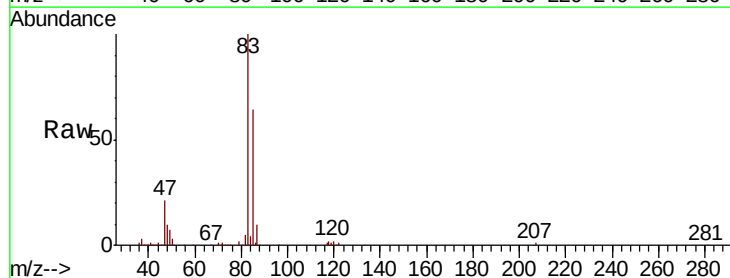
Acq: 10 Sep 2018 18:46

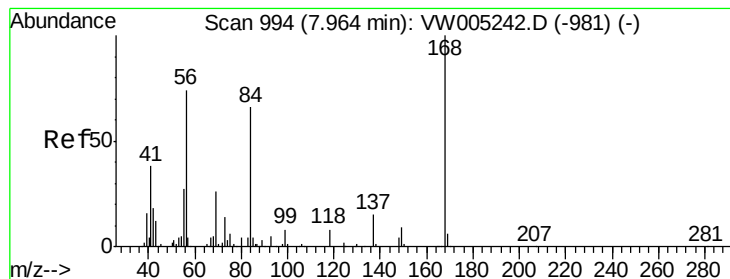
Tgt Ion: 83 Resp: 160857

Ion Ratio Lower Upper

83 100

85 63.6 51.7 77.5





#31

Cyclohexane

Concen: 20.696 ug/l

RT: 7.96 min Scan# 994

Delta R.T. 0.00 min

Lab File: VW005248.D

Acq: 10 Sep 2018 18:46

Instrument :

MSVOA_W

ClientSampleId :

VW0910SBS01

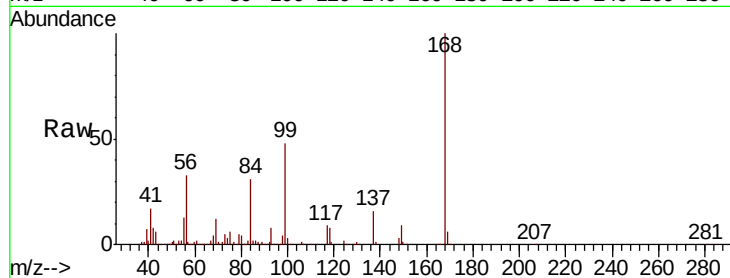
Tgt Ion: 56 Resp: 168338

Ion Ratio Lower Upper

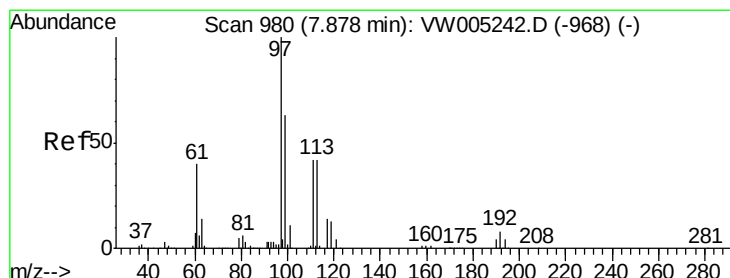
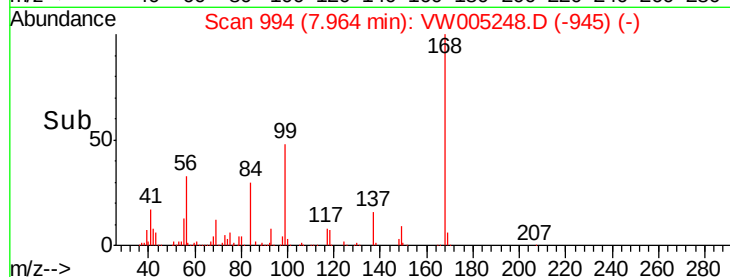
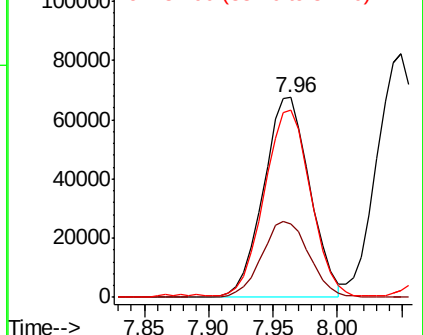
56 100

69 37.0 27.8 41.8

84 92.8 72.1 108.1



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



#32

1,1,1-Trichloroethane

Concen: 20.870 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW005248.D

Acq: 10 Sep 2018 18:46

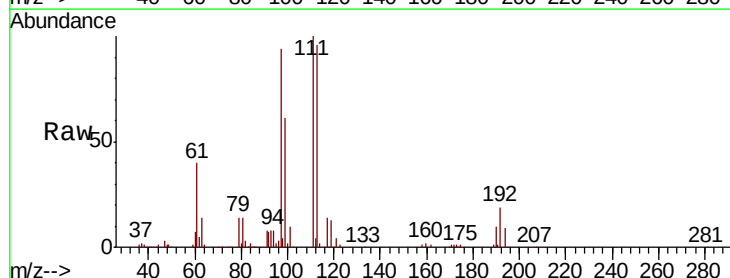
Tgt Ion: 97 Resp: 144636

Ion Ratio Lower Upper

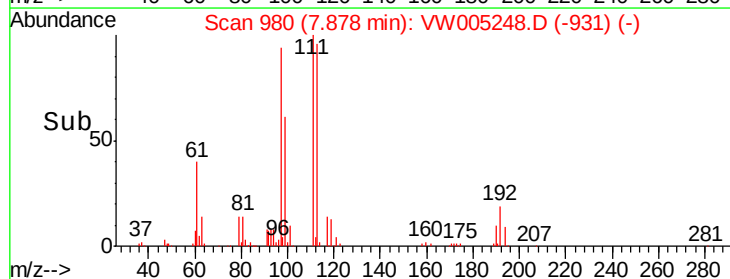
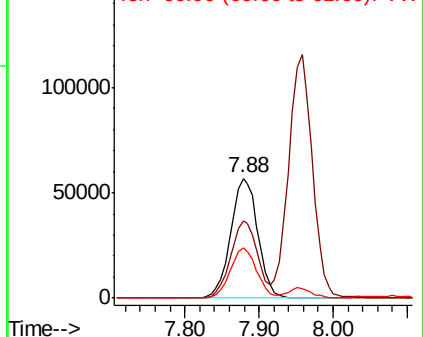
97 100

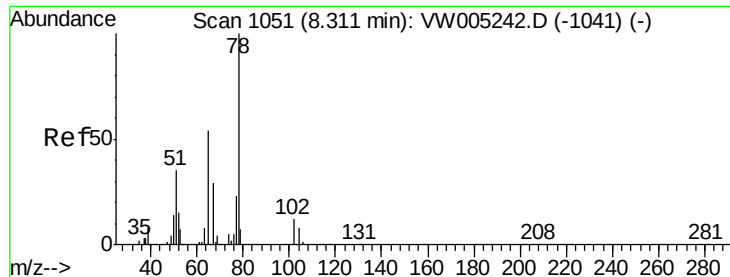
99 64.0 51.5 77.3

61 40.9 32.5 48.7



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

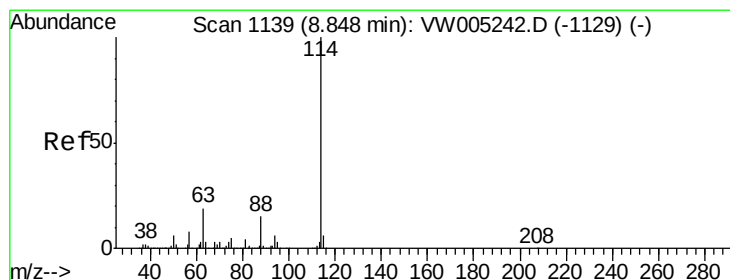
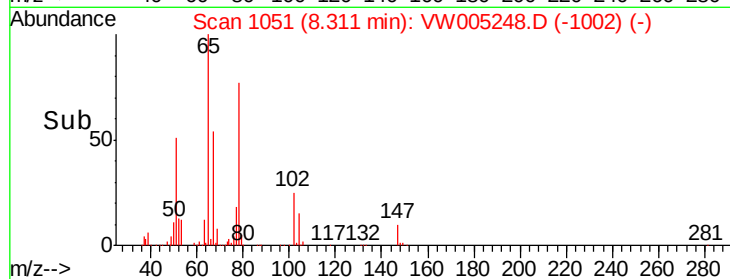
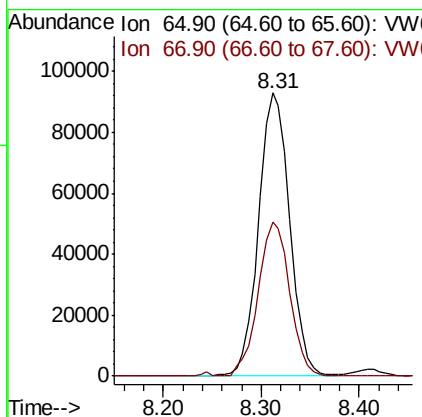
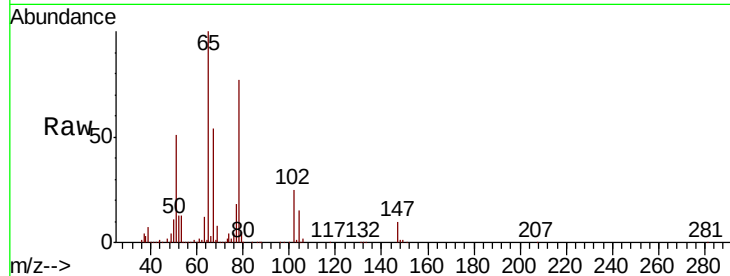




#33
 1,2-Dichloroethane-d4
 Concen: 54.434 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW005248.D
 Acq: 10 Sep 2018 18:46

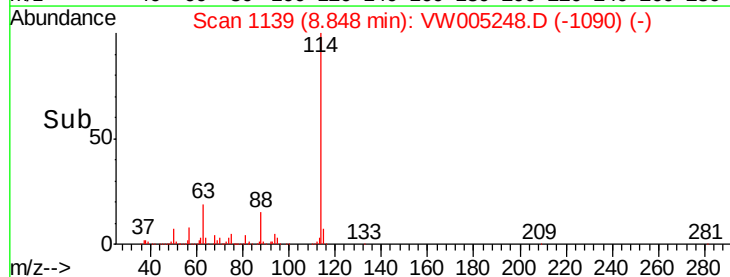
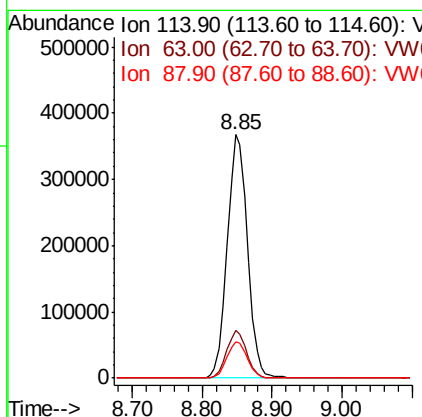
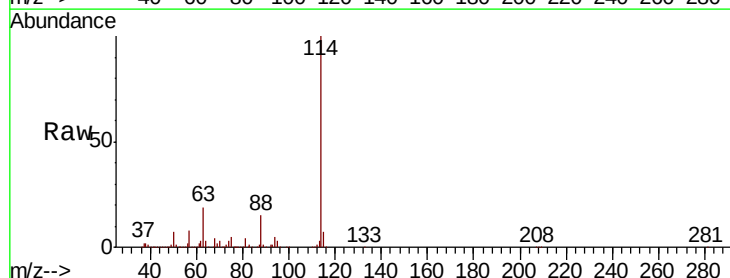
Instrument :
 MSVOA_W
 ClientSampled :
 VW0910SBS01

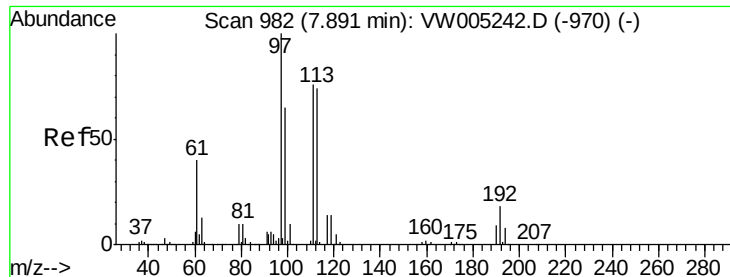
Tgt Ion: 65 Resp: 206914
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 112.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW005248.D
 Acq: 10 Sep 2018 18:46

Tgt Ion: 114 Resp: 737510
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 37.0
 88 14.6 0.0 30.4





#35

Dibromofluoromethane

Concen: 52.748 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.00 min

Lab File: VW005248.D

Acq: 10 Sep 2018 18:46

Instrument :

MSVOA_W

ClientSampleId :

VW0910SBS01

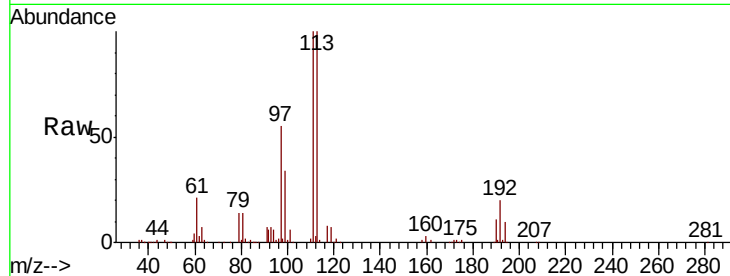
Tgt Ion:113 Resp: 203783

Ion Ratio Lower Upper

113 100

111 101.4 80.6 121.0

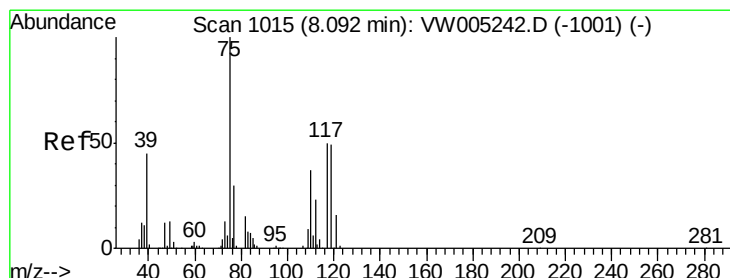
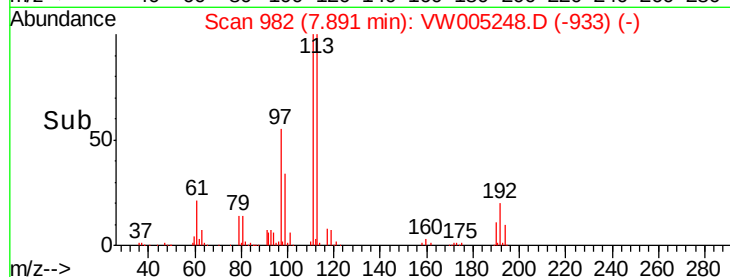
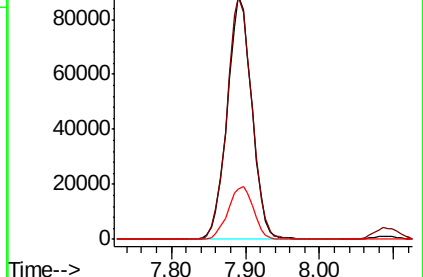
192 22.4 18.3 27.5



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: 20.448 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. -0.01 min

Lab File: VW005248.D

Acq: 10 Sep 2018 18:46

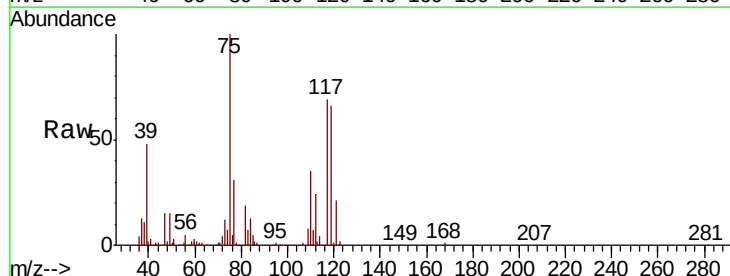
Tgt Ion: 75 Resp: 138165

Ion Ratio Lower Upper

75 100

110 37.0 18.8 56.4

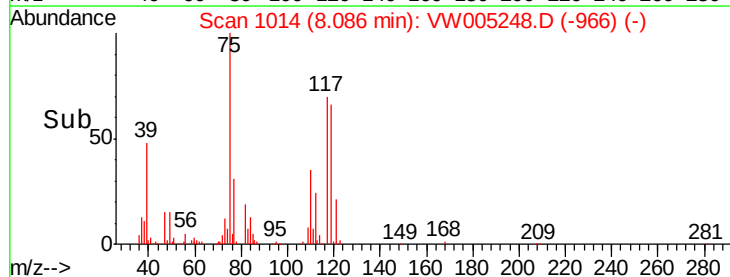
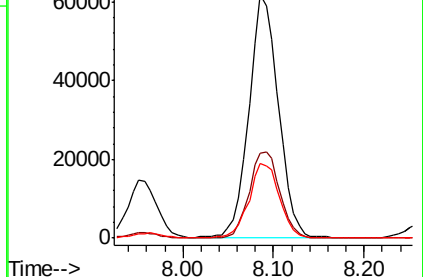
77 32.2 24.9 37.3

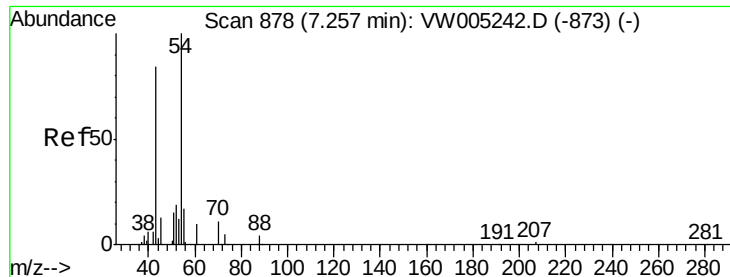


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

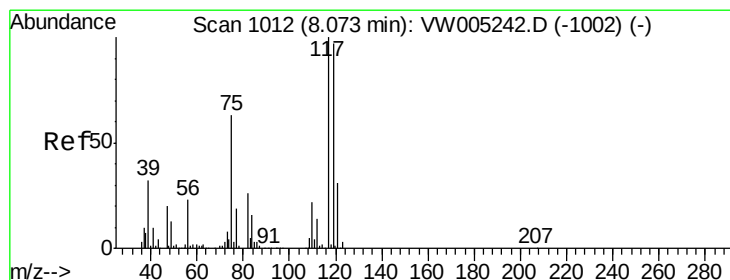
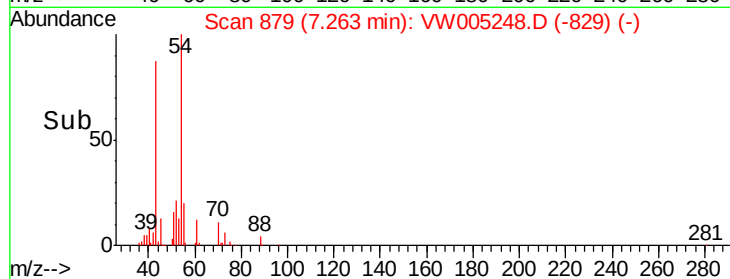
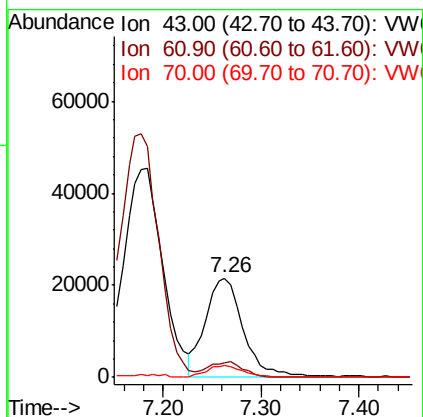
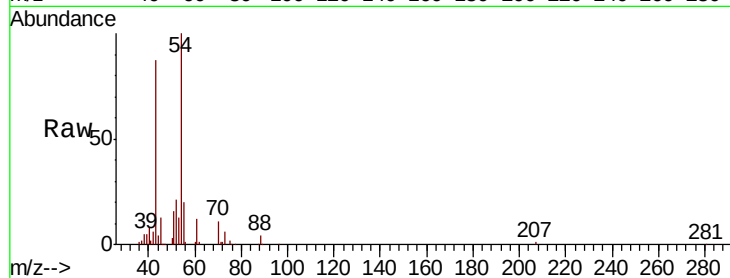




#37
Ethyl Acetate
Concen: 22.137 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.01 min
Lab File: VW005248.D
Acq: 10 Sep 2018 18:46

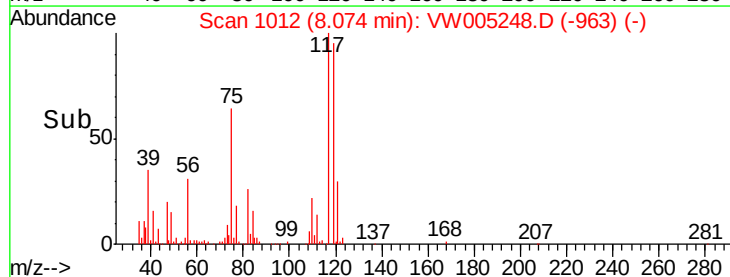
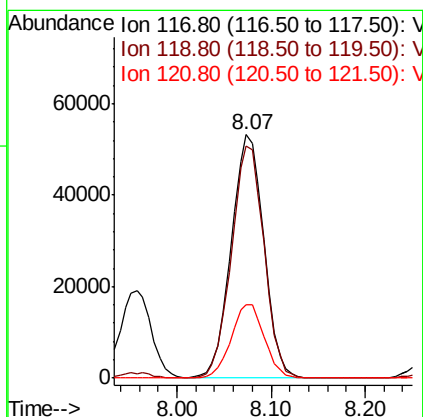
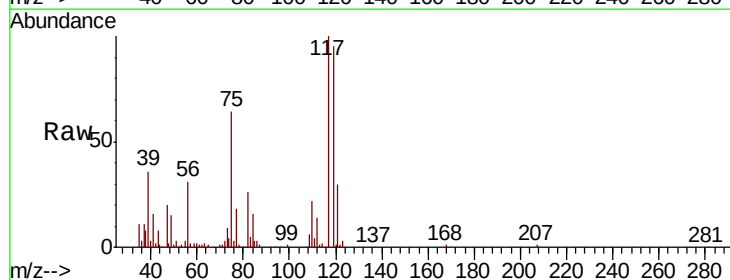
Instrument :
MSVOA_W
ClientSampleId :
VW0910SBS01

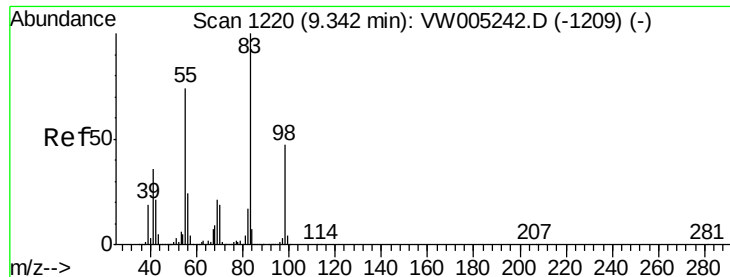
Tgt Ion: 43 Resp: 56893
Ion Ratio Lower Upper
43 100
61 14.5 12.3 18.5
70 11.8 9.5 14.3



#38
Carbon Tetrachloride
Concen: 20.277 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VW005248.D
Acq: 10 Sep 2018 18:46

Tgt Ion: 117 Resp: 128344
Ion Ratio Lower Upper
117 100
119 95.2 77.5 116.3
121 30.1 24.7 37.1

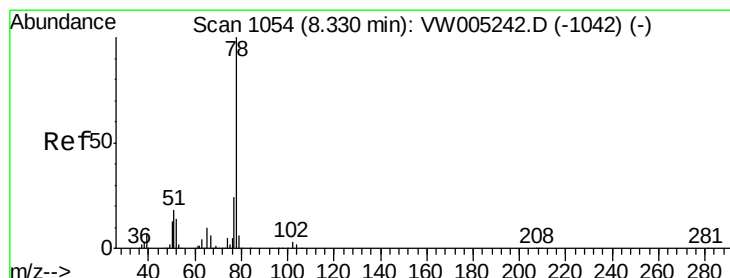
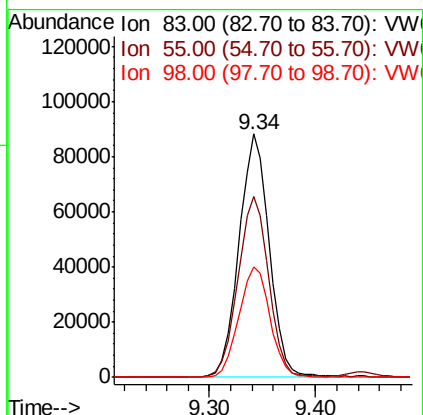
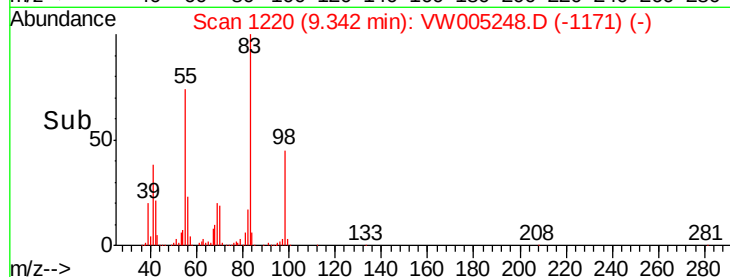
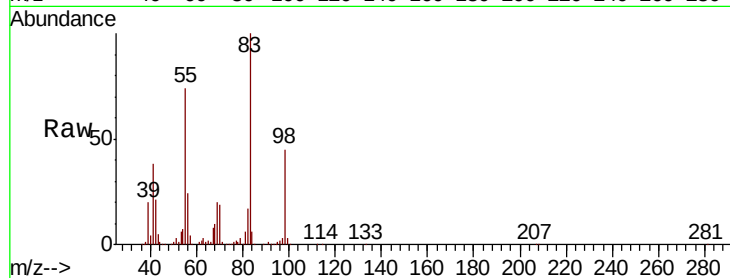




#39
Methylcyclohexane
Concen: 19.620 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. 0.00 min
Lab File: VW005248.D
Acq: 10 Sep 2018 18:46

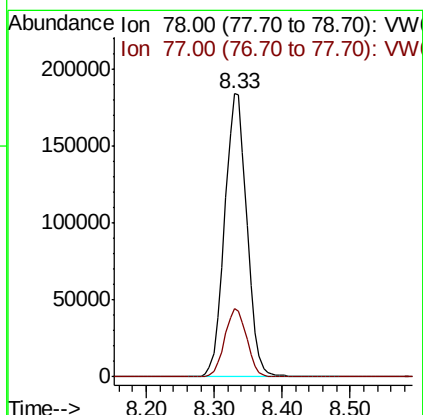
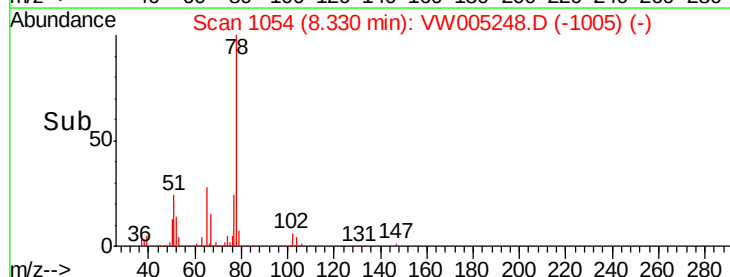
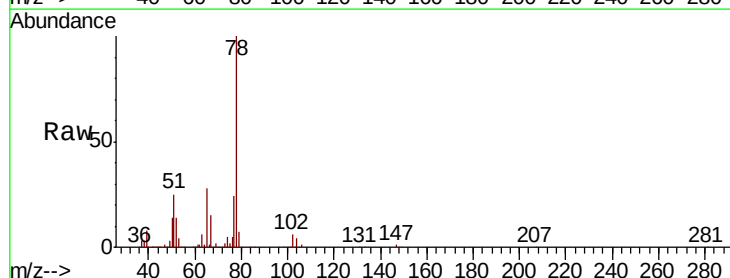
Instrument :
MSVOA_W
ClientSampleId :
VW0910SBS01

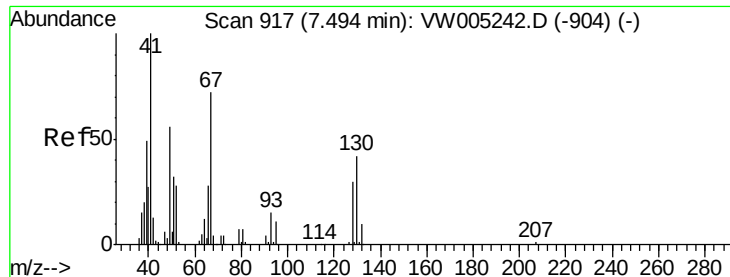
Tgt Ion: 83 Resp: 176015
Ion Ratio Lower Upper
83 100
55 74.1 58.9 88.3
98 45.3 37.6 56.4



#40
Benzene
Concen: 20.922 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW005248.D
Acq: 10 Sep 2018 18:46

Tgt Ion: 78 Resp: 416483
Ion Ratio Lower Upper
78 100
77 24.1 18.9 28.3

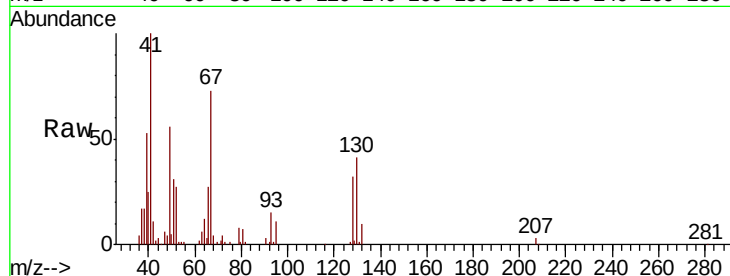




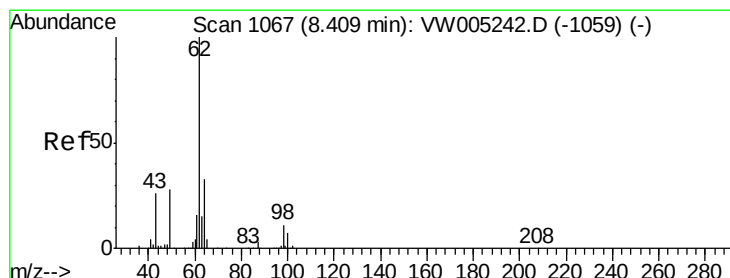
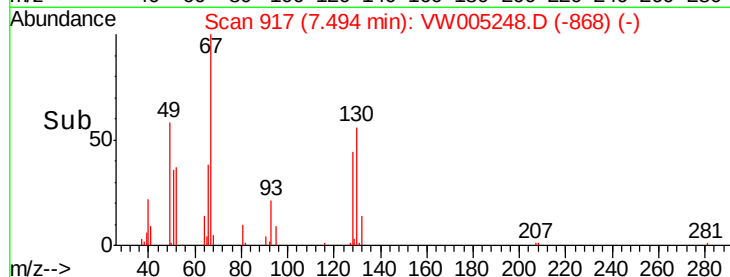
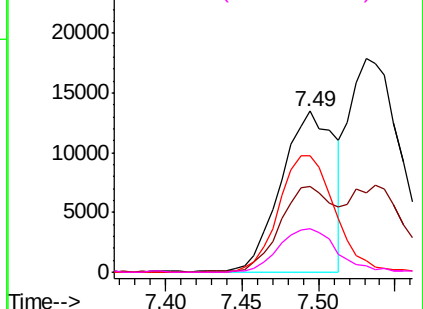
#41
Methacrylonitrile
Concen: 25.054 ug/l
RT: 7.49 min Scan# 917
Delta R.T. 0.00 min
Lab File: VW005248.D
Acq: 10 Sep 2018 18:46

Instrument :
MSVOA_W
ClientSampleId :
VW0910SBS01

Tgt Ion:	41	Resp:	33035
Ion	Ratio	Lower	Upper
41	100		
39	53.5	39.9	59.9
67	75.6	65.7	98.5
52	29.5	25.1	37.7

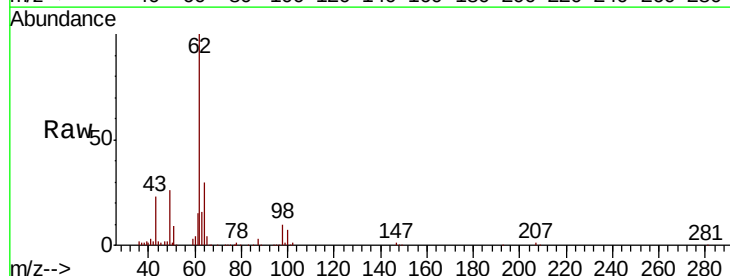


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

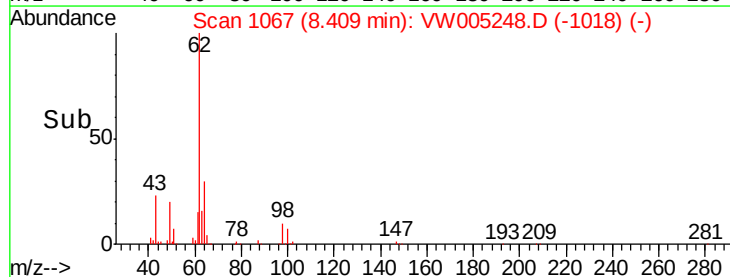
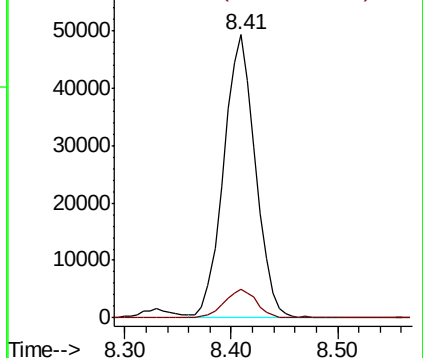


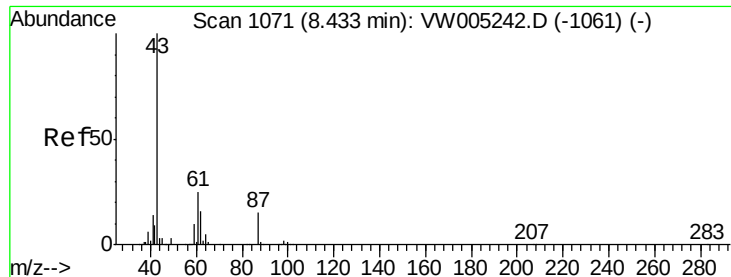
#42
1,2-Dichloroethane
Concen: 21.532 ug/l
RT: 8.41 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VW005248.D
Acq: 10 Sep 2018 18:46

Tgt Ion:	62	Resp:	102540
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	22.0



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

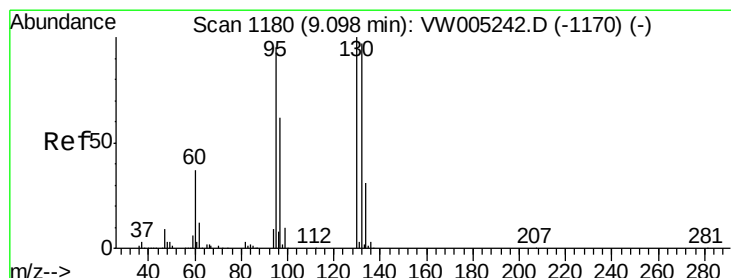
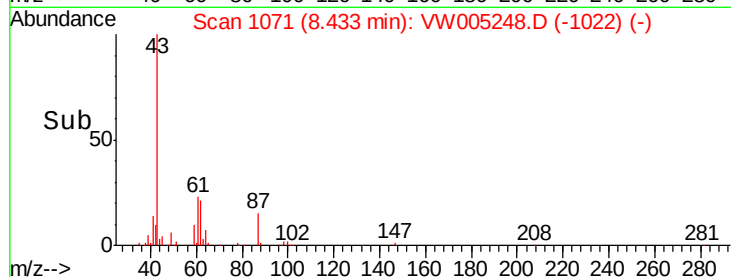
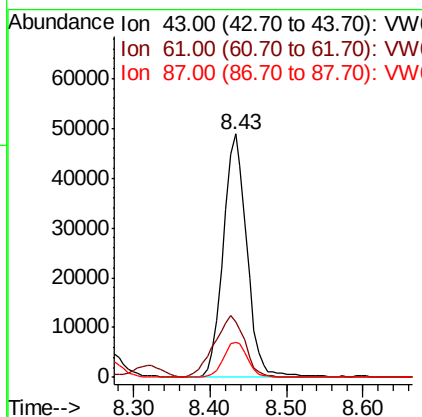
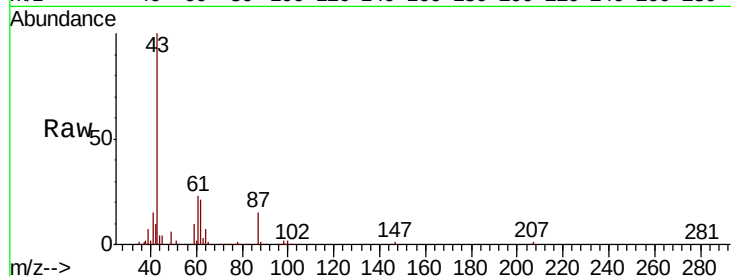




#43
Isopropyl Acetate
Concen: 21.692 ug/l
RT: 8.43 min Scan# 1071
Delta R.T. 0.00 min
Lab File: VW005248.D
Acq: 10 Sep 2018 18:46

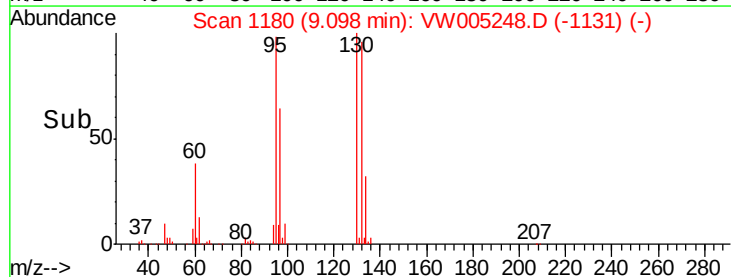
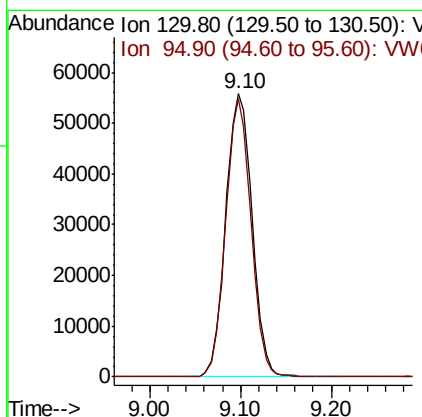
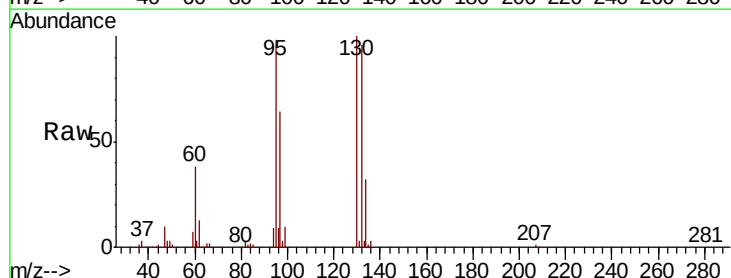
Instrument :
MSVOA_W
ClientSampleId :
VW0910SBS01

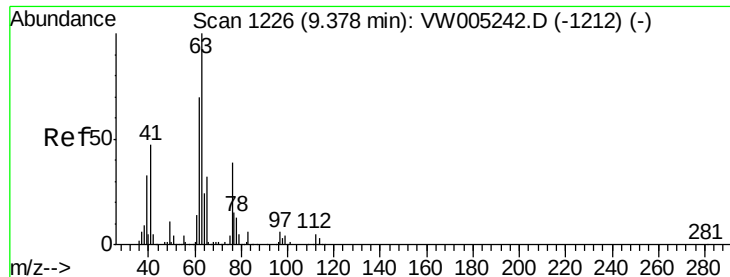
Tgt Ion: 43 Resp: 103527
Ion Ratio Lower Upper
43 100
61 32.7 25.4 38.0
87 14.9 11.9 17.9



#44
Trichloroethene
Concen: 20.646 ug/l
RT: 9.10 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VW005248.D
Acq: 10 Sep 2018 18:46

Tgt Ion: 130 Resp: 112751
Ion Ratio Lower Upper
130 100
95 98.3 0.0 189.6





#45

1,2-Dichloropropane

Concen: 21.226 ug/l

RT: 9.38 min Scan# 1226

Delta R.T. 0.00 min

Lab File: VW005248.D

Acq: 10 Sep 2018 18:46

Instrument :

MSVOA_W

ClientSampleId :

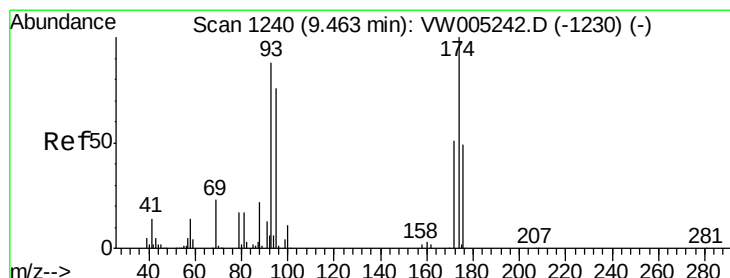
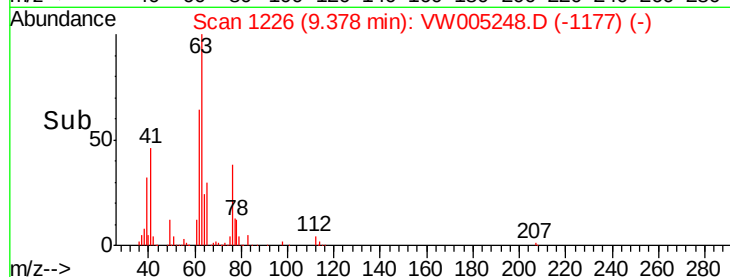
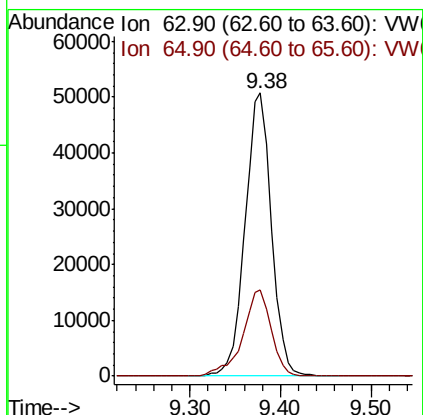
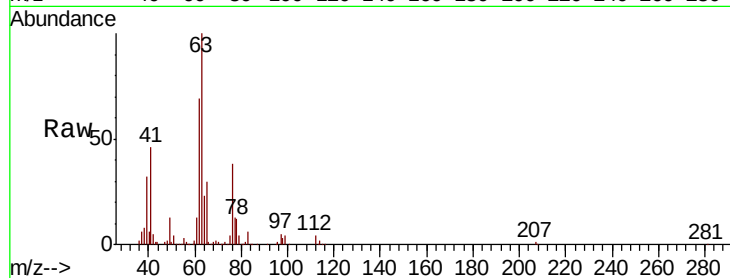
VW0910SBS01

Tgt Ion: 63 Resp: 101561

Ion Ratio Lower Upper

63 100

65 30.3 25.4 38.2



#46

Dibromomethane

Concen: 20.890 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VW005248.D

Acq: 10 Sep 2018 18:46

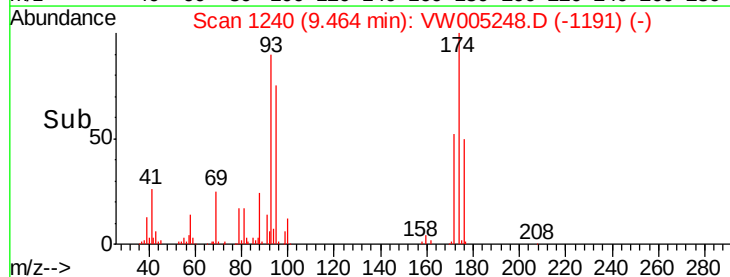
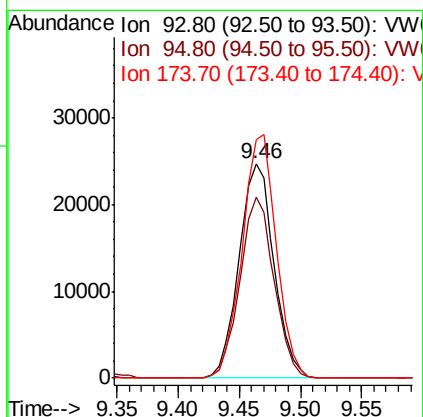
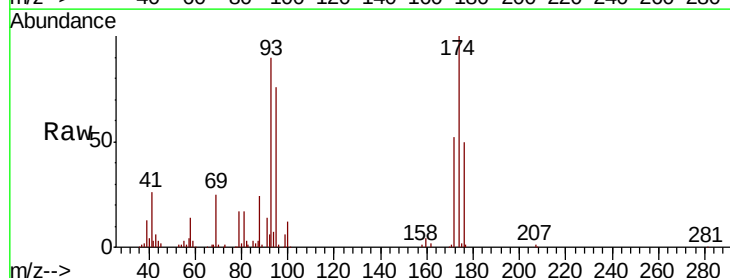
Tgt Ion: 93 Resp: 48926

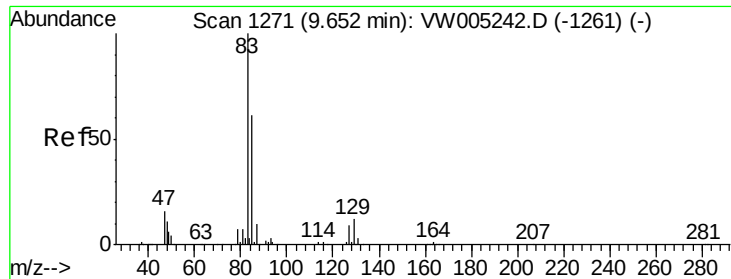
Ion Ratio Lower Upper

93 100

95 82.7 67.0 100.4

174 111.5 92.2 138.2





#47

Bromodichloromethane

Concen: 21.108 ug/l

RT: 9.65 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VW005248.D

Acq: 10 Sep 2018 18:46

Instrument :

MSVOA_W

ClientSampleId :

VW0910SBS01

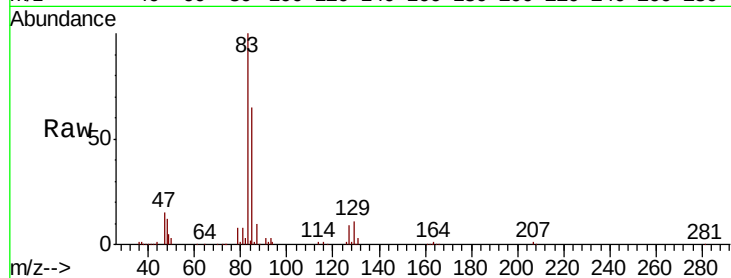
Tgt Ion: 83 Resp: 120933

Ion Ratio Lower Upper

83 100

85 64.5 49.0 73.6

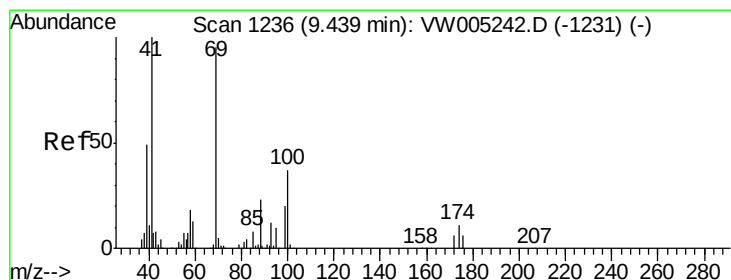
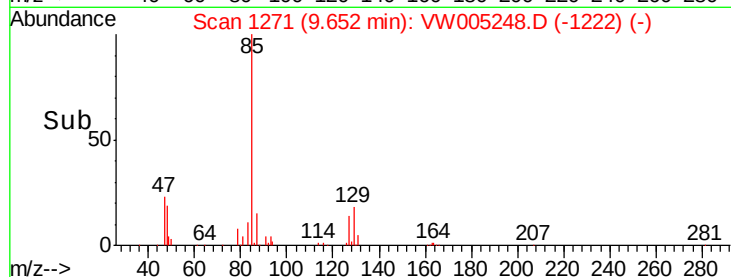
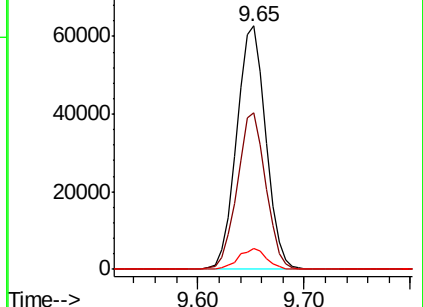
127 8.8 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 19.604 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.01 min

Lab File: VW005248.D

Acq: 10 Sep 2018 18:46

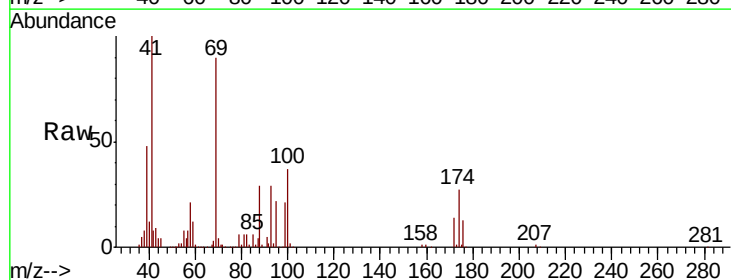
Tgt Ion: 41 Resp: 48581

Ion Ratio Lower Upper

41 100

69 99.6 74.6 112.0

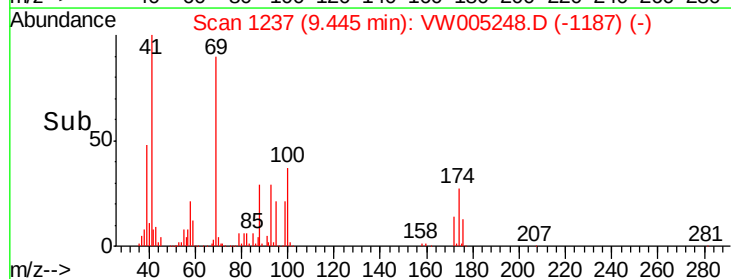
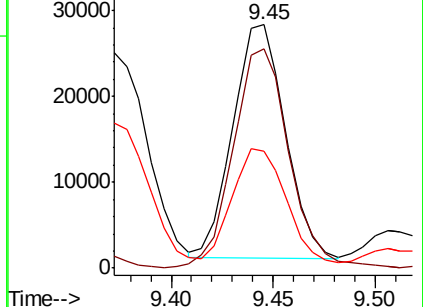
39 49.1 36.7 55.1

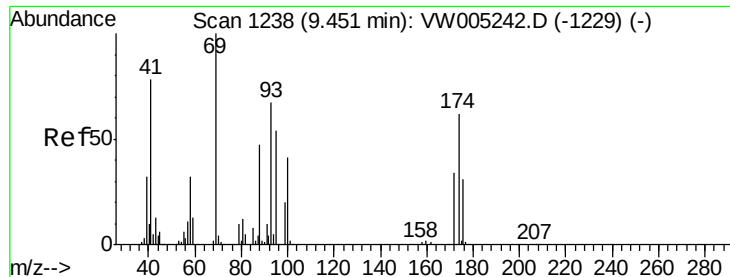


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 427.535 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.00 min

Lab File: VW005248.D

Acq: 10 Sep 2018 18:46

Instrument :

MSVOA_W

ClientSampleId :

VW0910SBS01

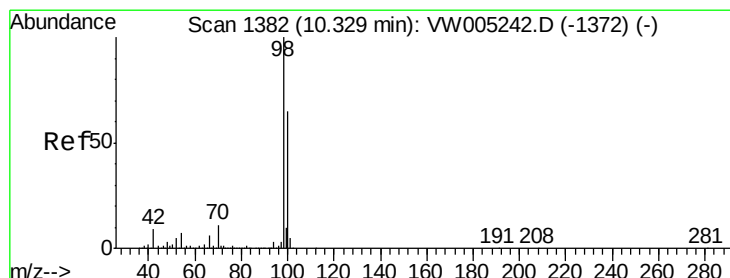
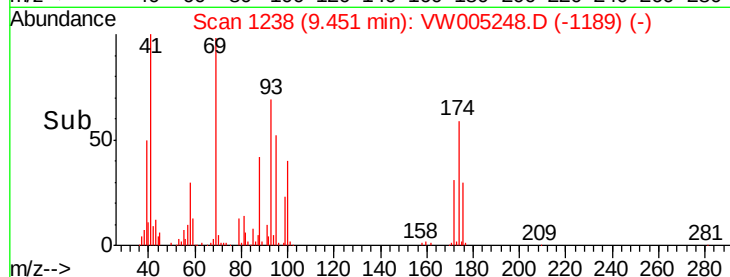
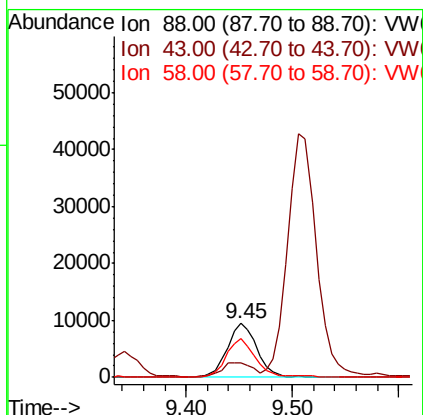
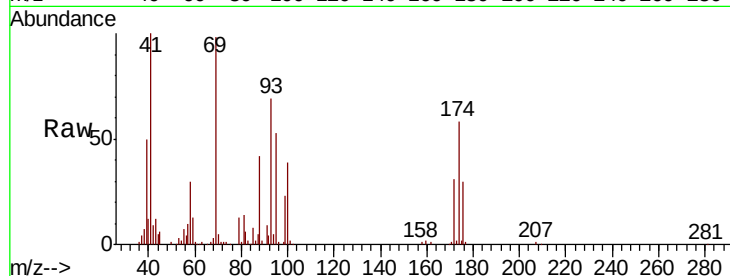
Tgt Ion: 88 Resp: 18695

Ion Ratio Lower Upper

88 100

43 25.4 22.7 34.1

58 68.8 56.6 85.0



#50

Toluene-d8

Concen: 51.845 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW005248.D

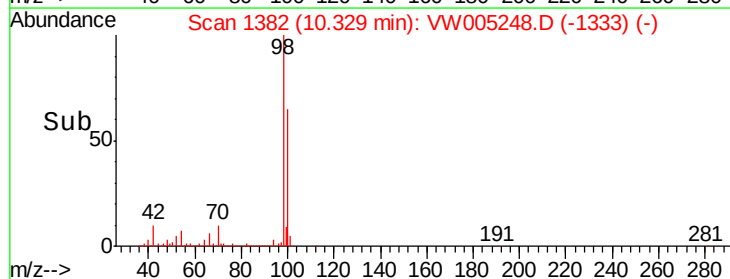
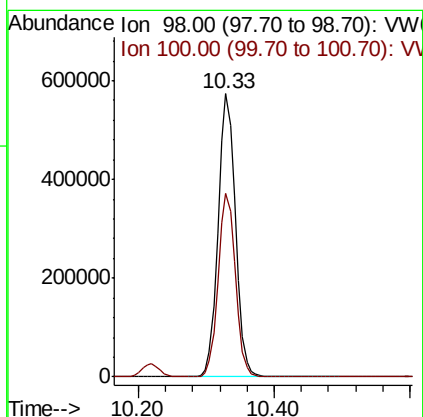
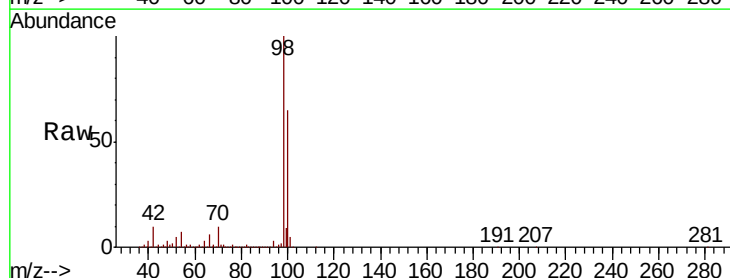
Acq: 10 Sep 2018 18:46

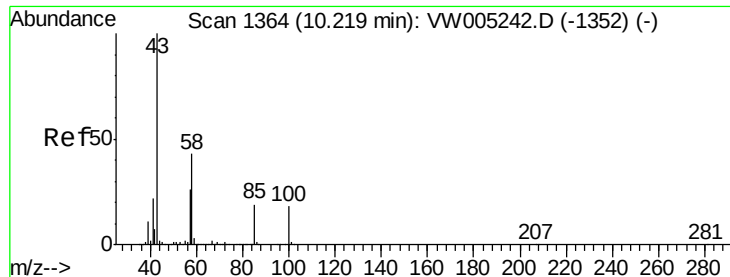
Tgt Ion: 98 Resp: 1012126

Ion Ratio Lower Upper

98 100

100 64.9 52.0 78.0

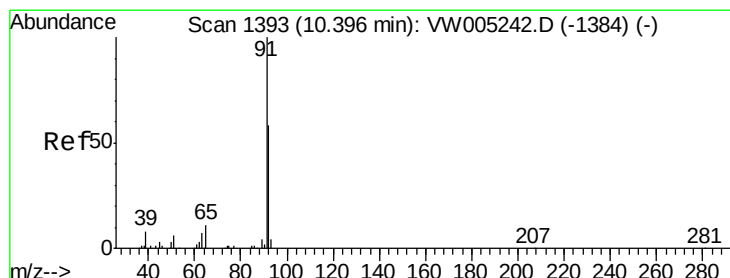
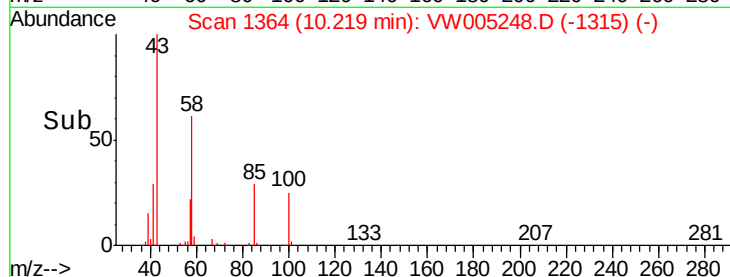
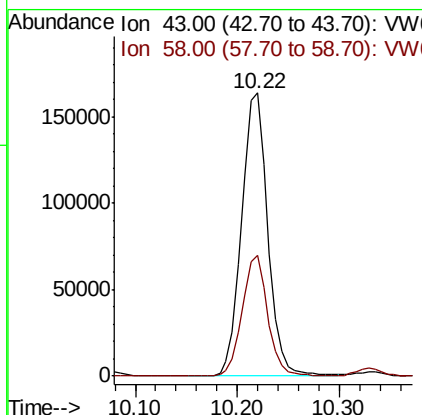
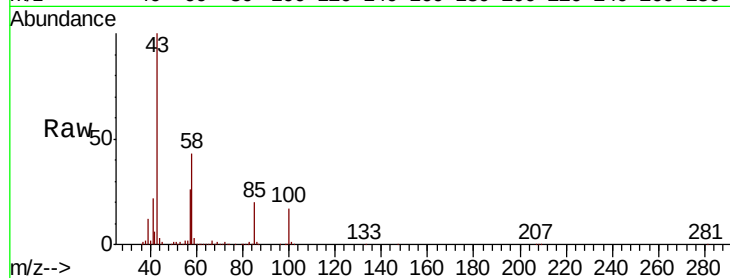




#51
 4-Methyl-2-Pentanone
 Concen: 108.466 ug/l
 RT: 10.22 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VW005248.D
 Acq: 10 Sep 2018 18:46

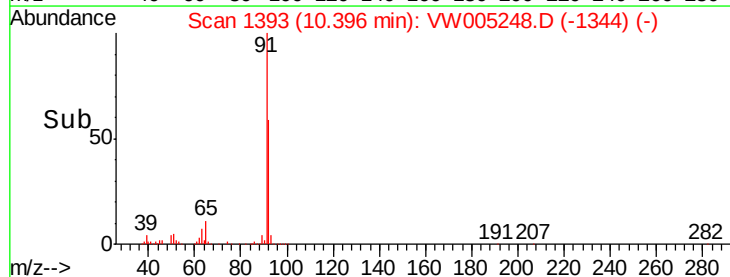
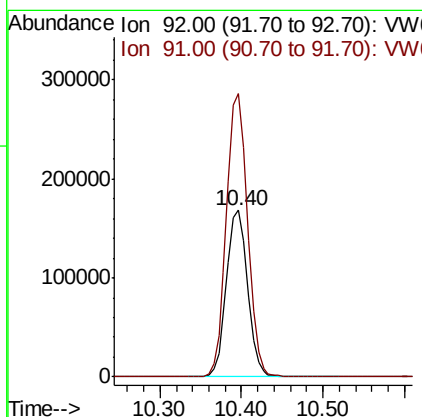
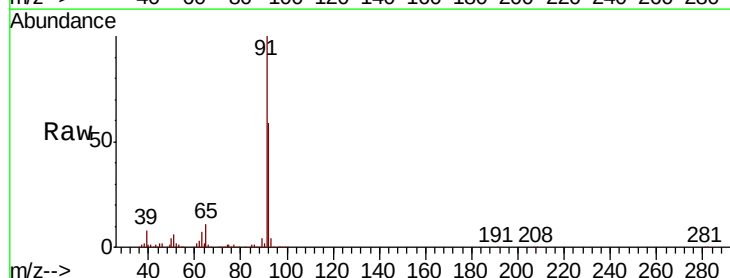
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0910SBS01

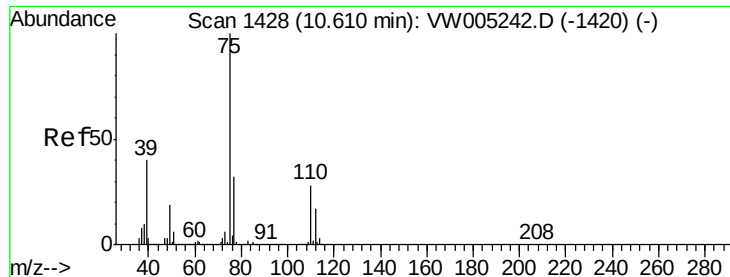
Tgt Ion: 43 Resp: 291312
 Ion Ratio Lower Upper
 43 100
 58 41.5 33.8 50.6



#52
 Toluene
 Concen: 20.812 ug/l
 RT: 10.40 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VW005248.D
 Acq: 10 Sep 2018 18:46

Tgt Ion: 92 Resp: 301105
 Ion Ratio Lower Upper
 92 100
 91 170.4 137.4 206.0





#53

t-1,3-Dichloropropene

Concen: 20.729 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW005248.D

Acq: 10 Sep 2018 18:46

Instrument :

MSVOA_W

ClientSampleId :

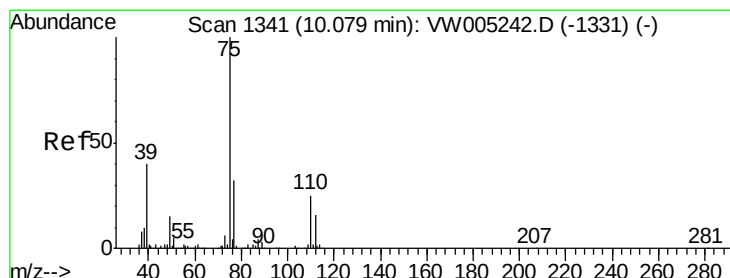
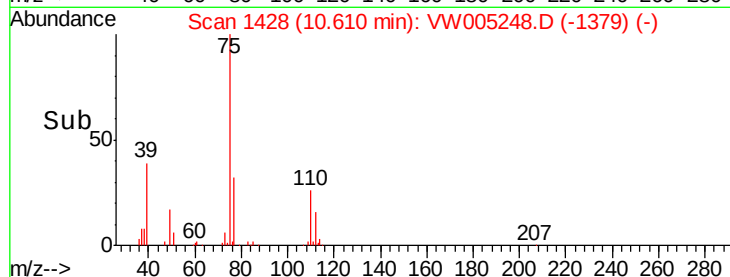
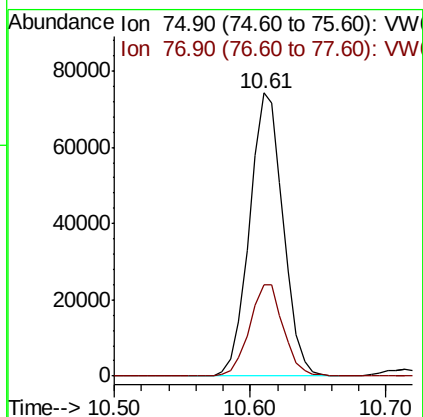
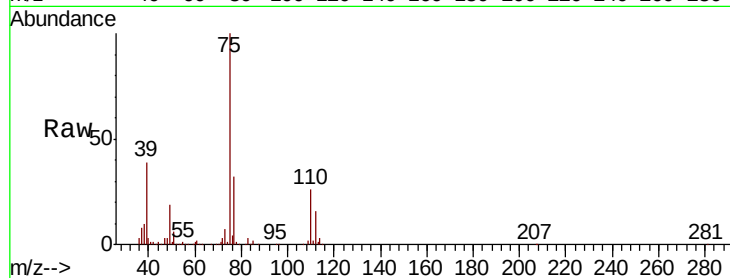
VW0910SBS01

Tgt Ion: 75 Resp: 128350

Ion Ratio Lower Upper

75 100

77 32.0 25.8 38.8



#54

cis-1,3-Dichloropropene

Concen: 21.077 ug/l

RT: 10.08 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VW005248.D

Acq: 10 Sep 2018 18:46

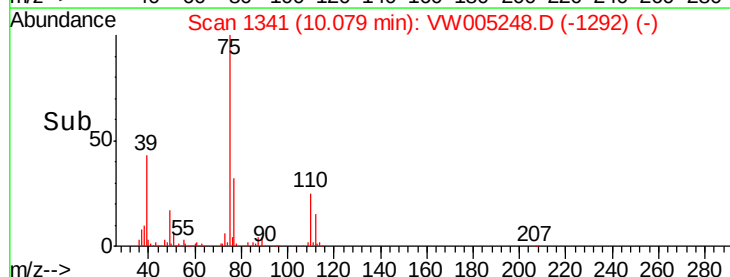
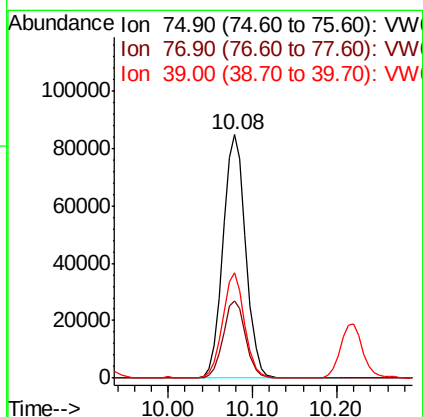
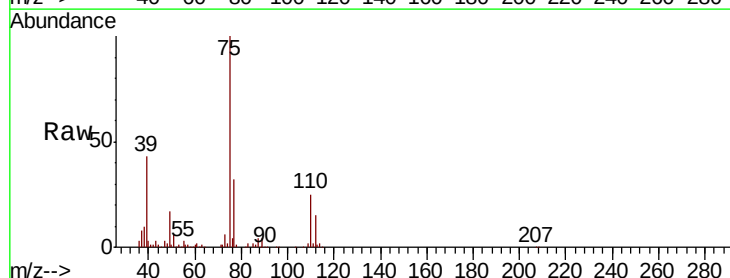
Tgt Ion: 75 Resp: 156279

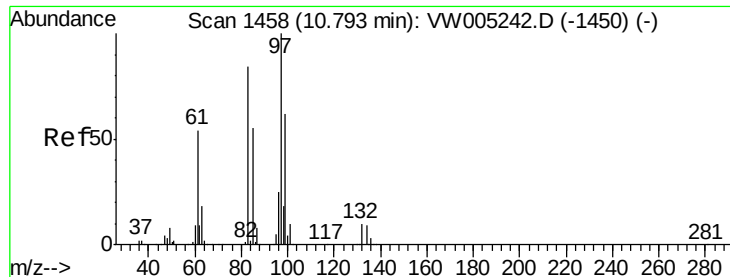
Ion Ratio Lower Upper

75 100

77 32.0 25.5 38.3

39 43.2 31.8 47.6

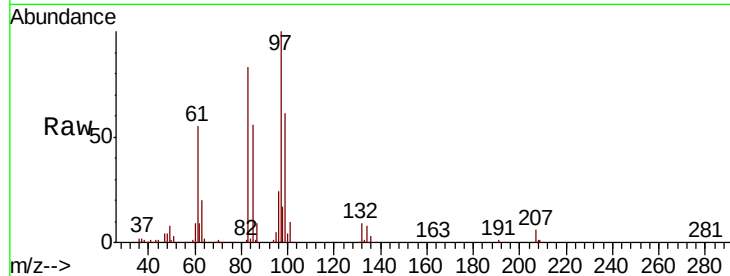




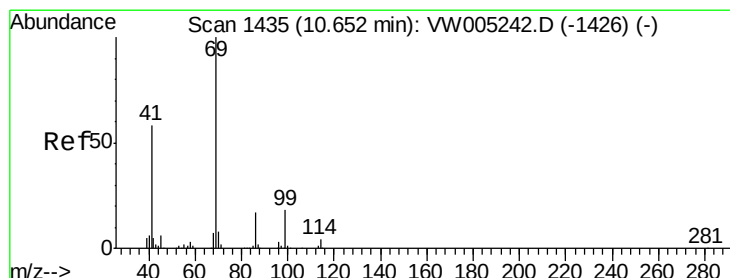
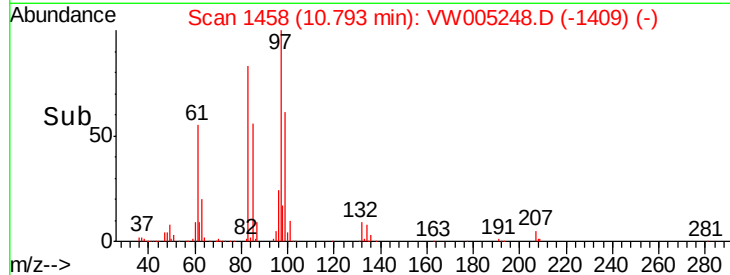
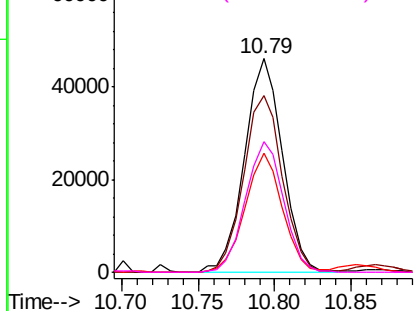
#55
 1,1,2-Trichloroethane
 Concen: 21.271 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW005248.D
 Acq: 10 Sep 2018 18:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0910SBS01

Tgt Ion:	97	Resp:	79434
Ion	Ratio	Lower	Upper
97	100		
83	82.8	67.2	100.8
85	55.7	44.4	66.6
99	60.9	49.2	73.8

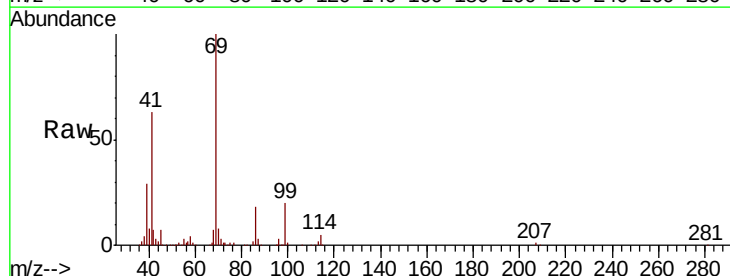


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

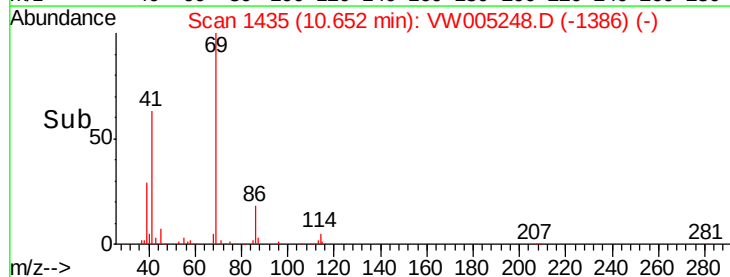
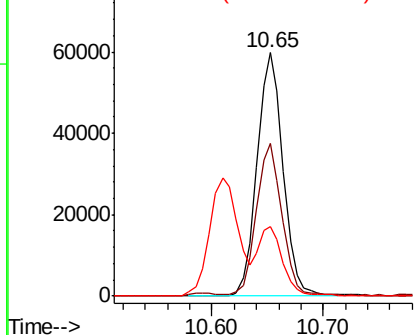


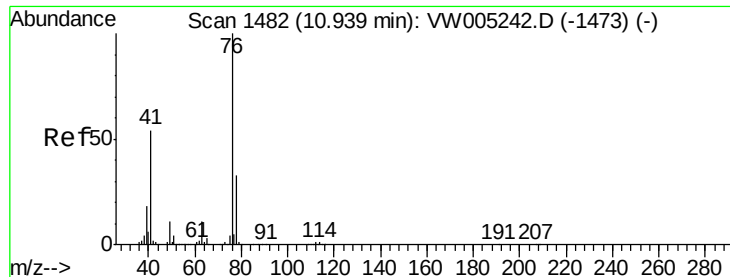
#56
 Ethyl methacrylate
 Concen: 20.581 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: VW005248.D
 Acq: 10 Sep 2018 18:46

Tgt Ion:	69	Resp:	97435
Ion	Ratio	Lower	Upper
69	100		
41	61.7	48.7	73.1
39	27.0	20.9	31.3



Abundance Ion 69.00 (68.70 to 69.70): VW
 Ion 41.00 (40.70 to 41.70): VW
 Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 21.007 ug/l

RT: 10.94 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VW005248.D

Acq: 10 Sep 2018 18:46

Instrument :

MSVOA_W

ClientSampleId :

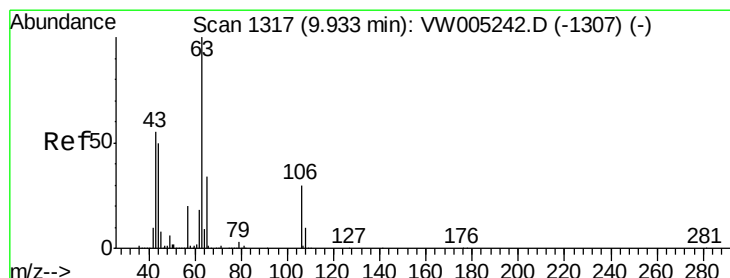
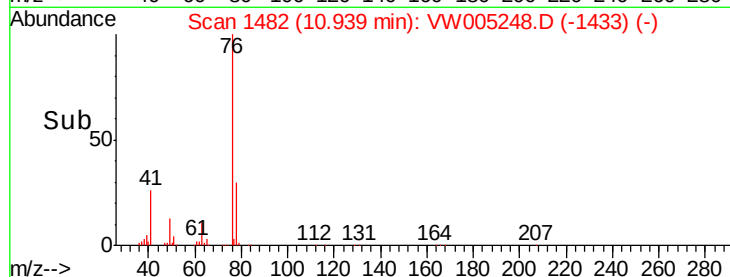
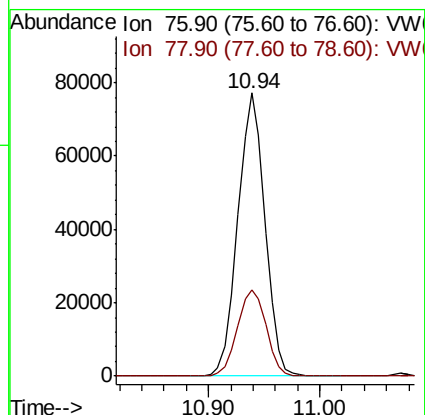
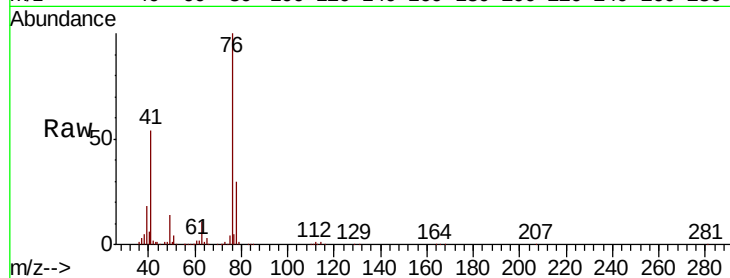
VW0910SBS01

Tgt Ion: 76 Resp: 130262

Ion Ratio Lower Upper

76 100

78 32.2 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 110.541 ug/l

RT: 9.93 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VW005248.D

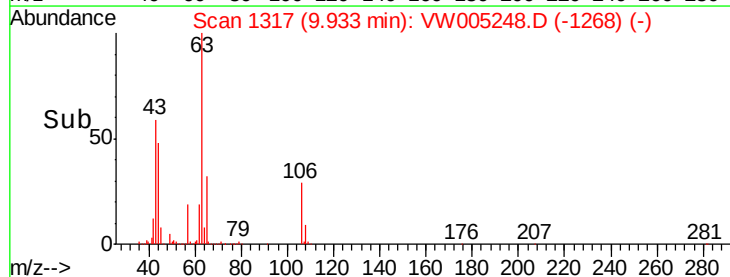
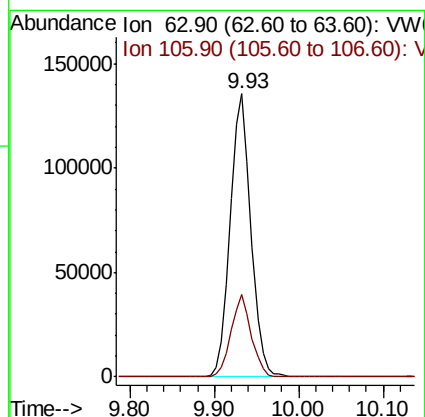
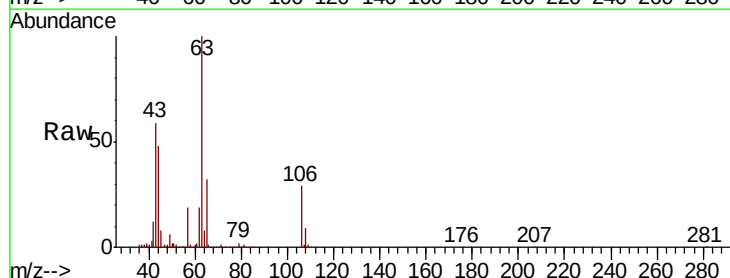
Acq: 10 Sep 2018 18:46

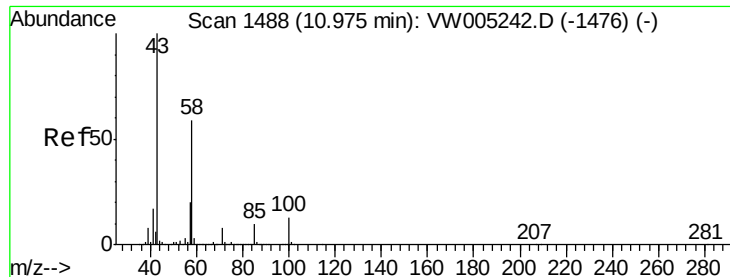
Tgt Ion: 63 Resp: 227460

Ion Ratio Lower Upper

63 100

106 28.2 23.4 35.0

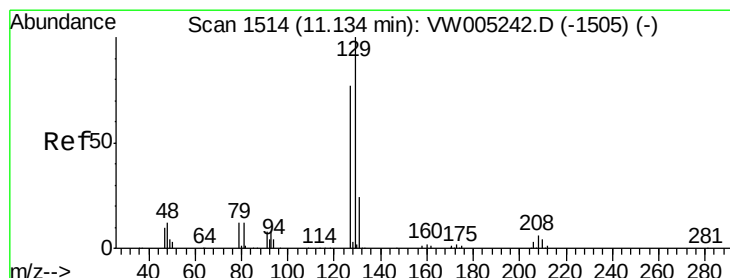
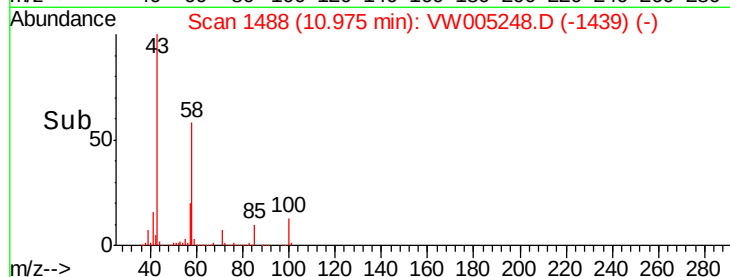
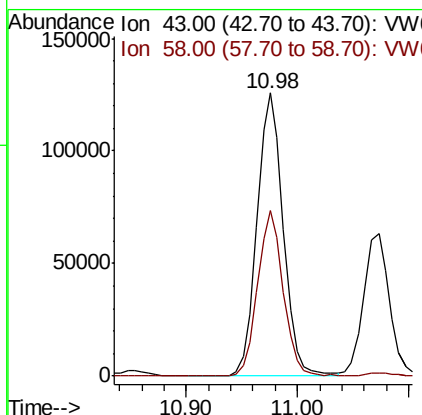
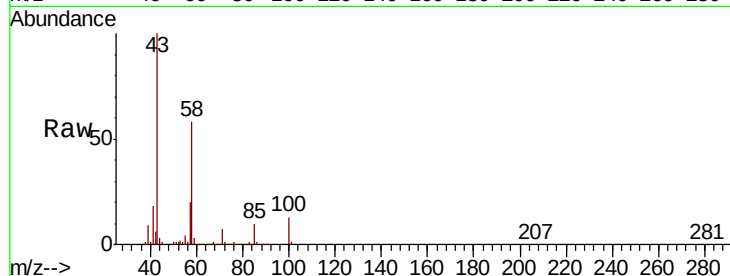




#59
2-Hexanone
Concen: 106.407 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW005248.D
Acq: 10 Sep 2018 18:46

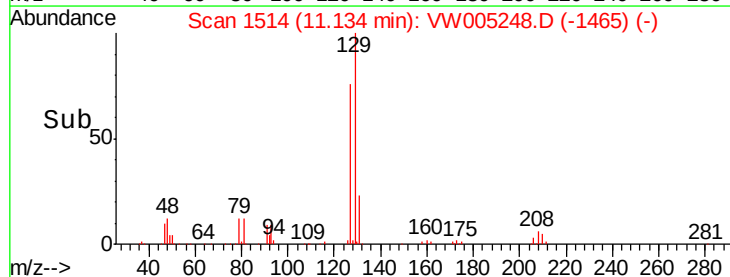
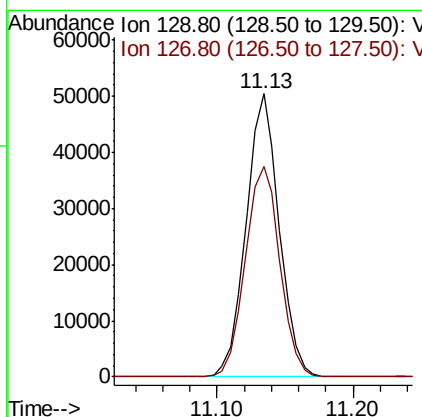
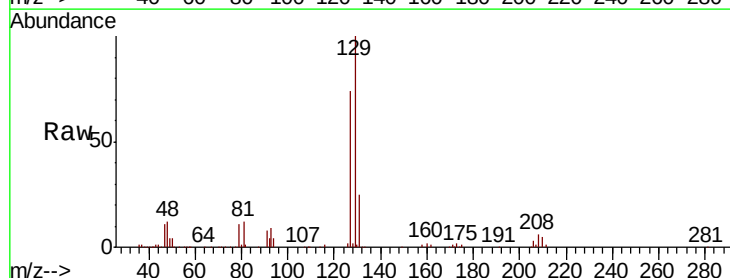
Instrument :
MSVOA_W
ClientSampleId :
VW0910SBS01

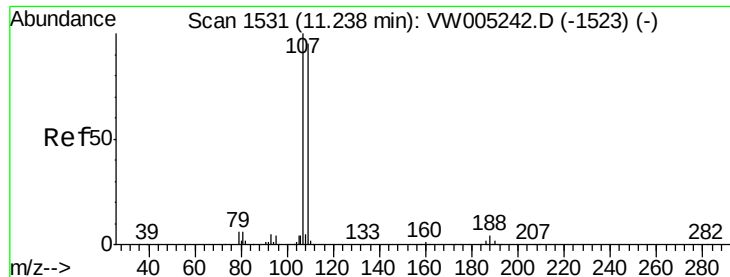
Tgt Ion: 43 Resp: 206027
Ion Ratio Lower Upper
43 100
58 57.1 29.3 87.9



#60
Dibromochloromethane
Concen: 20.690 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW005248.D
Acq: 10 Sep 2018 18:46

Tgt Ion: 129 Resp: 85733
Ion Ratio Lower Upper
129 100
127 78.0 39.0 117.0

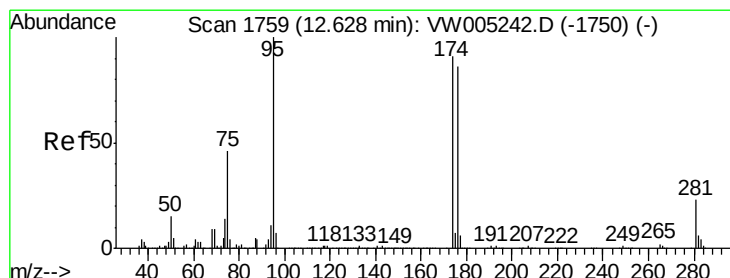
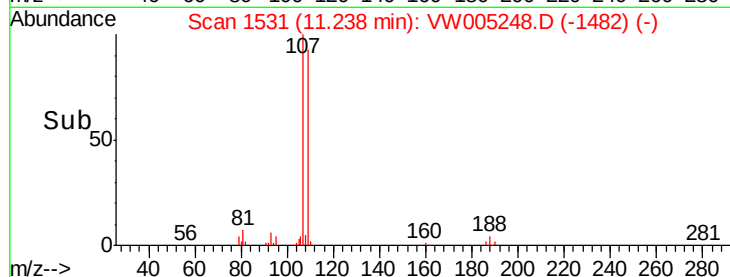
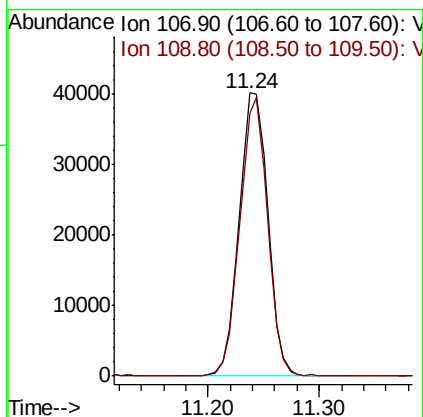
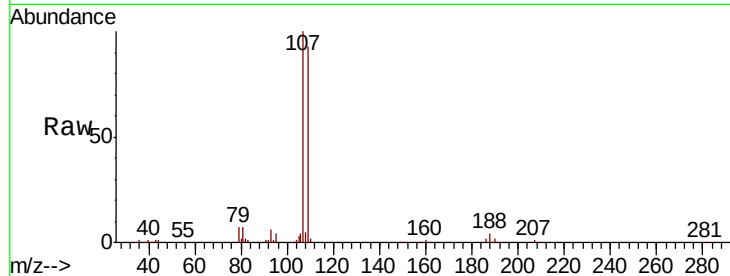




#61
 1,2-Dibromoethane
 Concen: 21.073 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW005248.D
 Acq: 10 Sep 2018 18:46

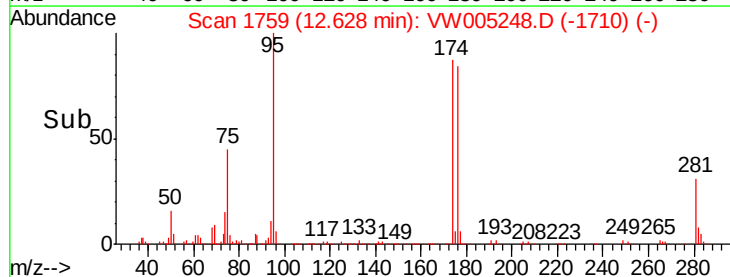
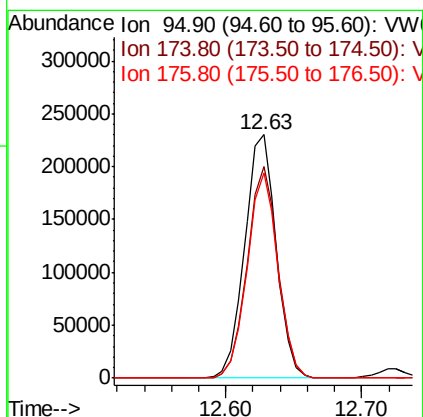
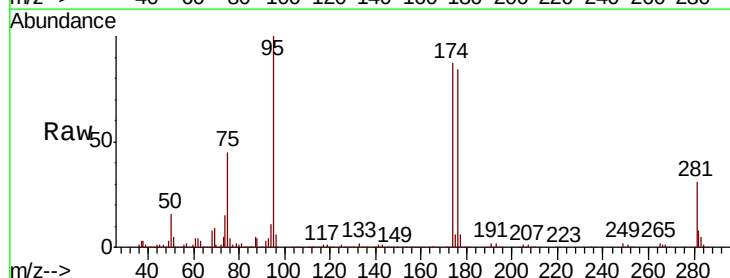
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0910SBS01

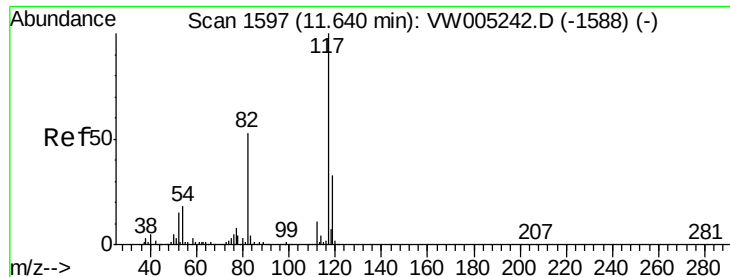
Tgt Ion: 107 Resp: 72166
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 52.020 ug/l
 RT: 12.63 min Scan# 1759
 Delta R.T. 0.00 min
 Lab File: VW005248.D
 Acq: 10 Sep 2018 18:46

Tgt Ion: 95 Resp: 371459
 Ion Ratio Lower Upper
 95 100
 174 85.3 0.0 174.6
 176 82.7 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VW005248.D

Acq: 10 Sep 2018 18:46

Instrument :

MSVOA_W

ClientSampled :

VW0910SBS01

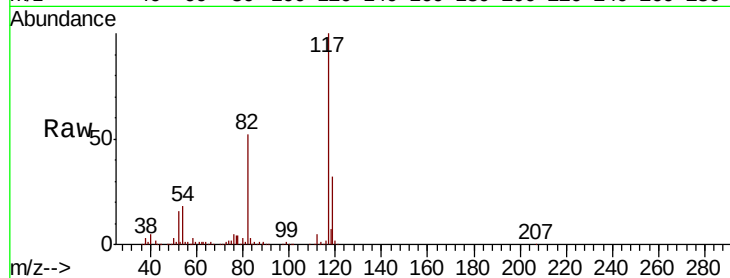
Tgt Ion:117 Resp: 748044

Ion Ratio Lower Upper

117 100

82 52.3 42.6 63.8

119 32.1 26.2 39.4

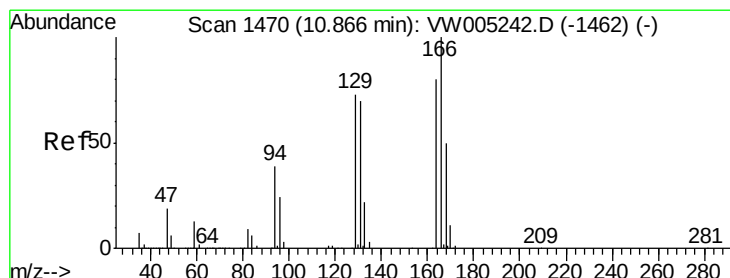
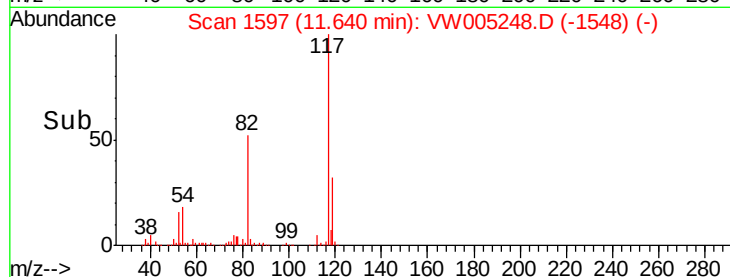
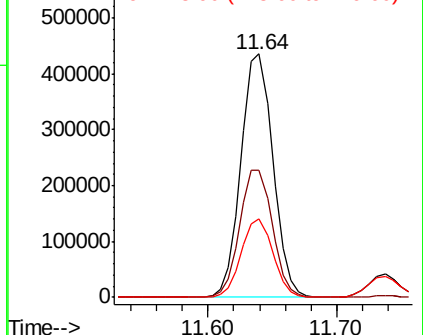


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 20.169 ug/l

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW005248.D

Acq: 10 Sep 2018 18:46

Tgt Ion:164 Resp: 111934

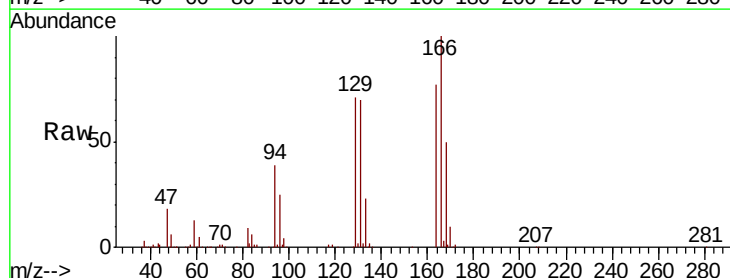
Ion Ratio Lower Upper

164 100

166 130.2 100.2 150.2

129 92.3 73.2 109.8

131 91.6 70.2 105.4



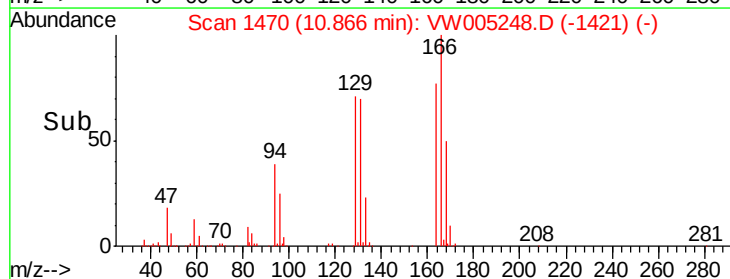
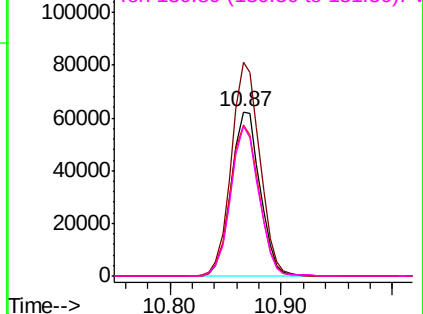
Abundance

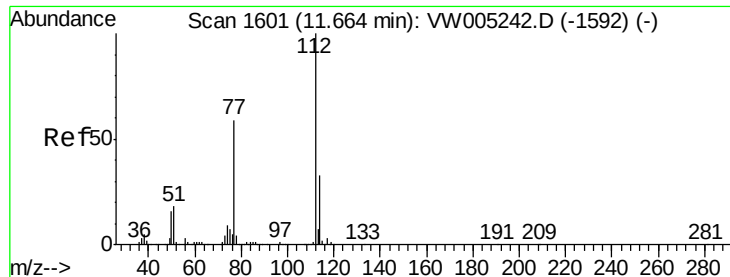
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 20.161 ug/l

RT: 11.66 min Scan# 1601

Delta R.T. 0.00 min

Lab File: VW005248.D

Acq: 10 Sep 2018 18:46

Instrument :

MSVOA_W

ClientSampleId :

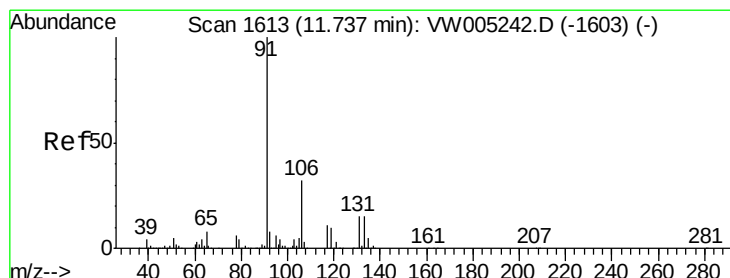
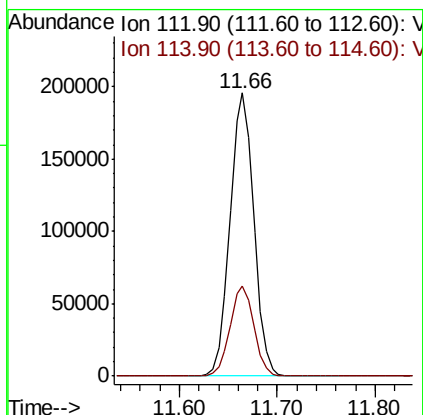
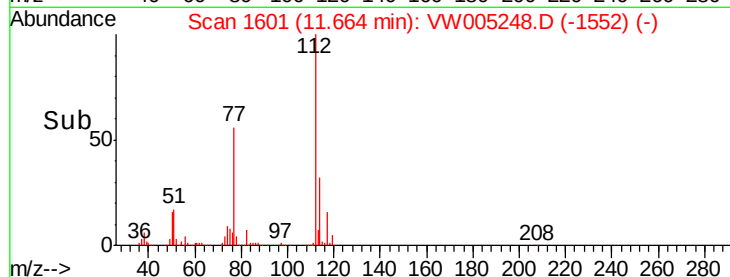
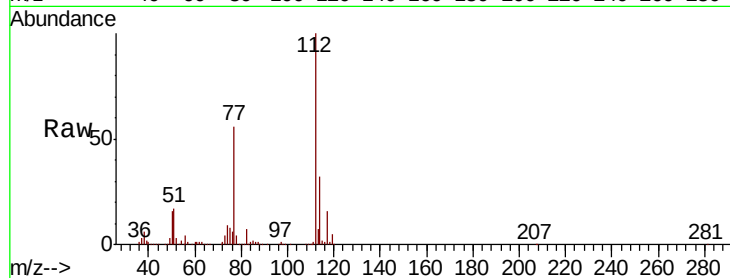
VW0910SBS01

Tgt Ion:112 Resp: 330373

Ion Ratio Lower Upper

112 100

114 32.1 26.2 39.4



#66

1,1,1,2-Tetrachloroethane

Concen: 20.196 ug/l

RT: 11.74 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VW005248.D

Acq: 10 Sep 2018 18:46

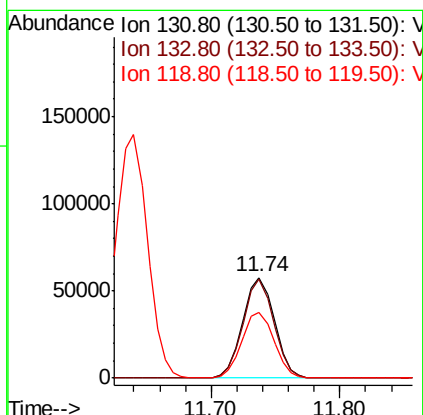
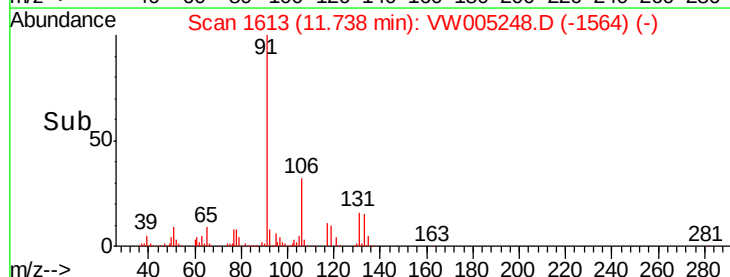
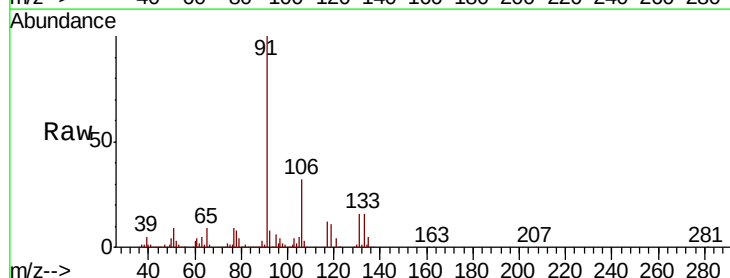
Tgt Ion:131 Resp: 98816

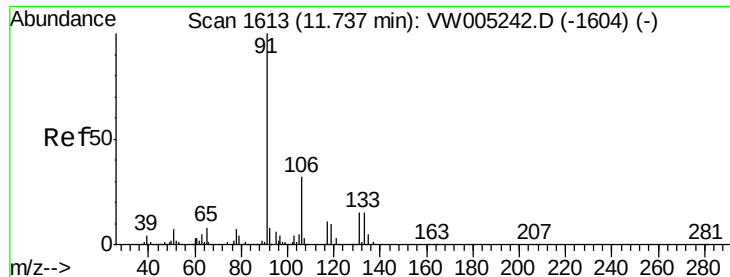
Ion Ratio Lower Upper

131 100

133 95.8 48.1 144.3

119 66.5 33.4 100.1





#67

Ethyl Benzene

Concen: 19.944 ug/l

RT: 11.74 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VW005248.D

Acq: 10 Sep 2018 18:46

Instrument :

MSVOA_W

ClientSampled :

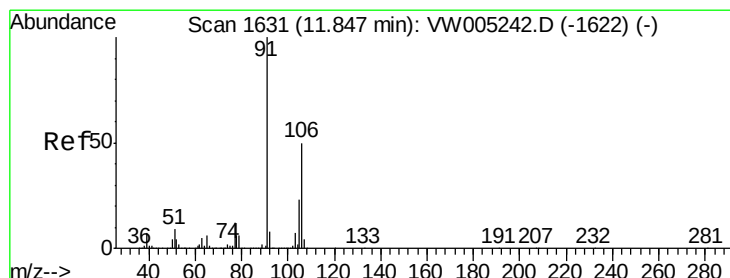
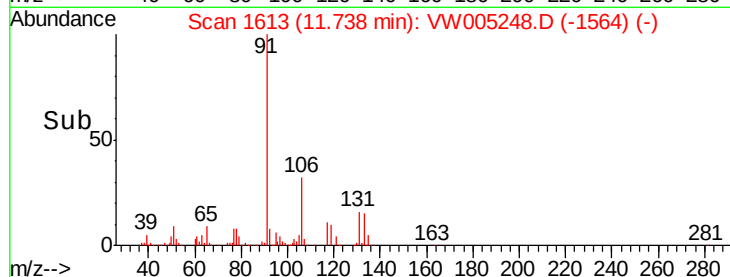
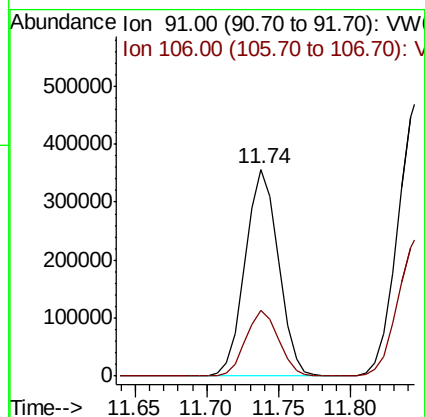
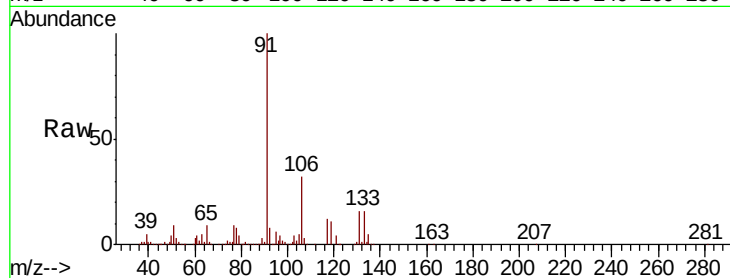
VW0910SBS01

Tgt Ion: 91 Resp: 569141

Ion Ratio Lower Upper

91 100

106 32.0 25.6 38.4



#68

m/p-Xylenes

Concen: 39.827 ug/l

RT: 11.85 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VW005248.D

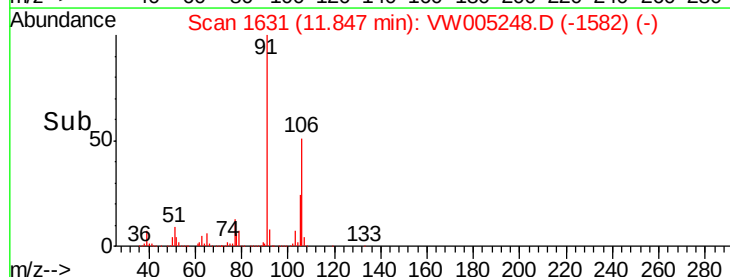
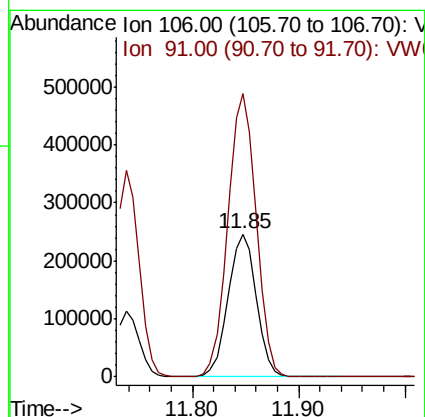
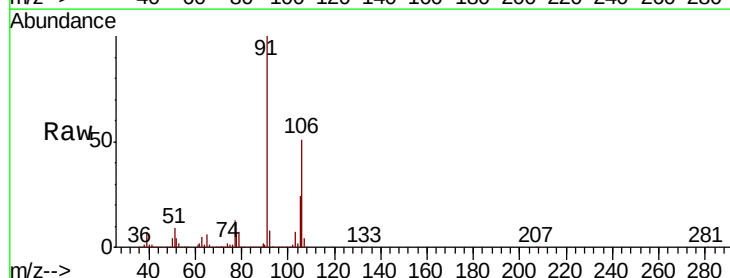
Acq: 10 Sep 2018 18:46

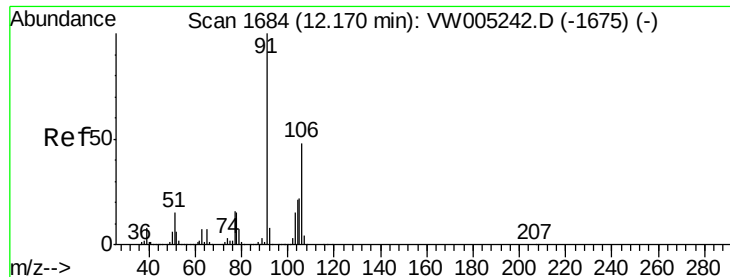
Tgt Ion: 106 Resp: 458009

Ion Ratio Lower Upper

106 100

91 198.5 160.2 240.2

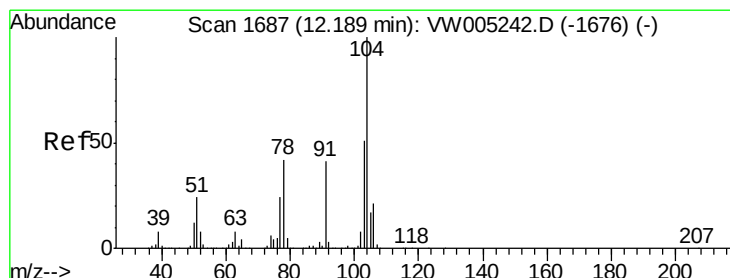
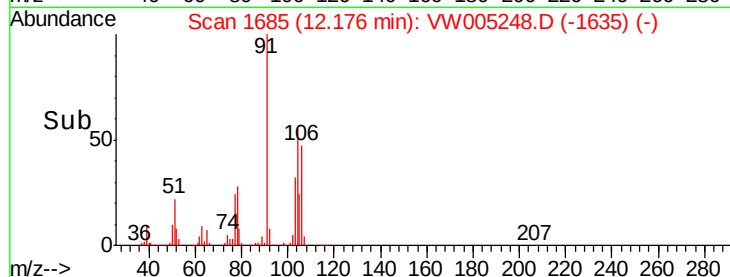
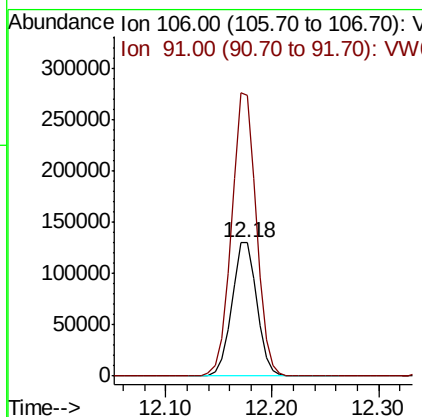
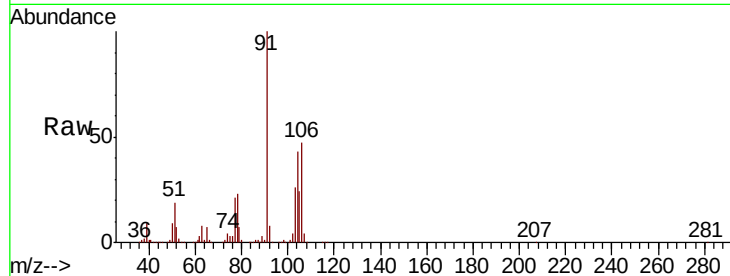




#69
o-Xylene
Concen: 20.044 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. 0.01 min
Lab File: VW005248.D
Acq: 10 Sep 2018 18:46

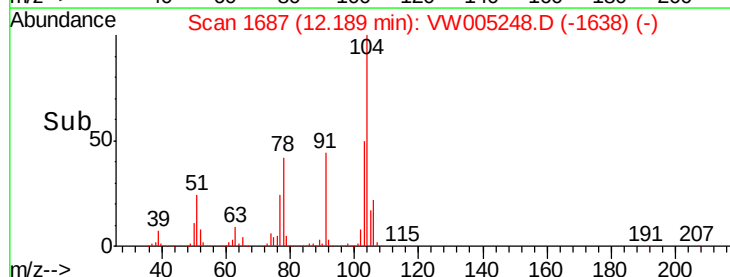
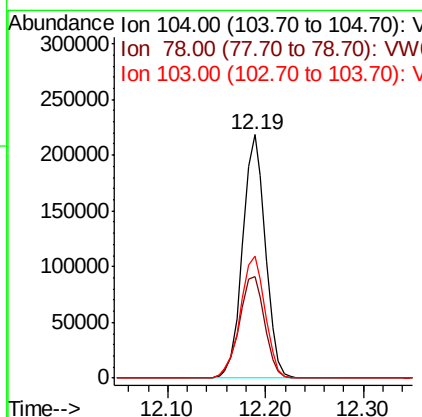
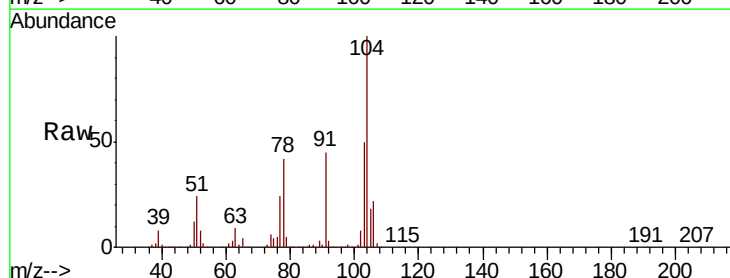
Instrument :
MSVOA_W
ClientSampleId :
VW0910SBS01

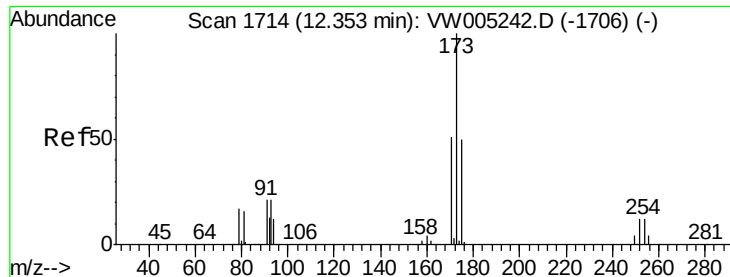
Tgt Ion:106 Resp: 214457
Ion Ratio Lower Upper
106 100
91 210.8 104.1 312.3



#70
Styrene
Concen: 20.168 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VW005248.D
Acq: 10 Sep 2018 18:46

Tgt Ion:104 Resp: 352101
Ion Ratio Lower Upper
104 100
78 47.0 37.4 56.2
103 54.8 44.1 66.1





#71

Bromoform

Concen: 20.266 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW005248.D

Acq: 10 Sep 2018 18:46

Instrument :

MSVOA_W

ClientSampleId :

VW0910SBS01

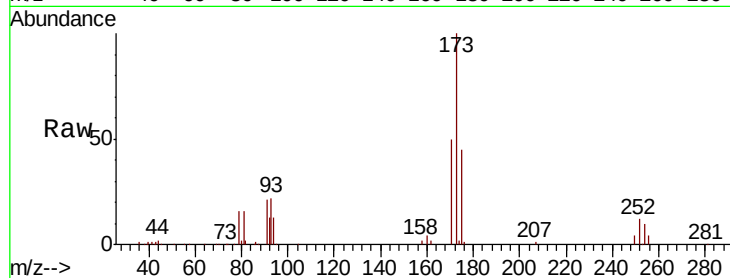
Tgt Ion:173 Resp: 53763

Ion Ratio Lower Upper

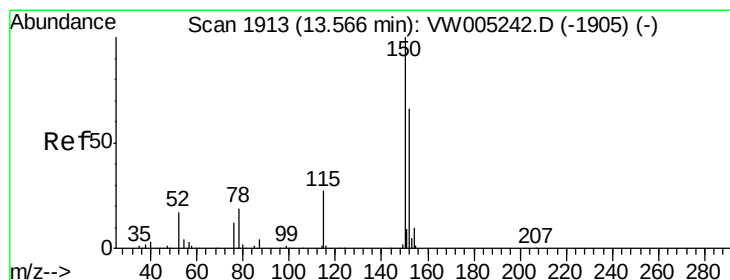
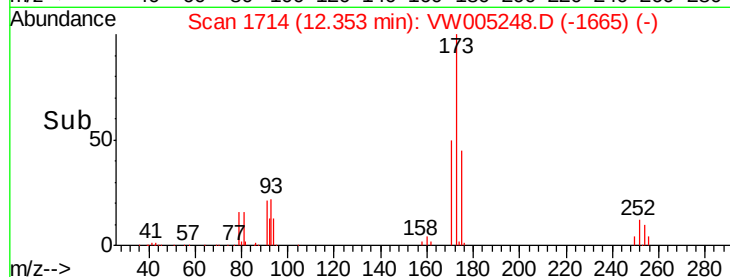
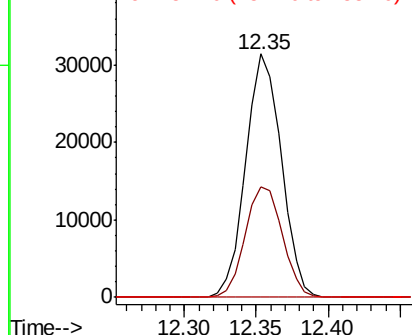
173 100

175 47.5 24.9 74.6

254 0.0 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# 1913

Delta R.T. 0.00 min

Lab File: VW005248.D

Acq: 10 Sep 2018 18:46

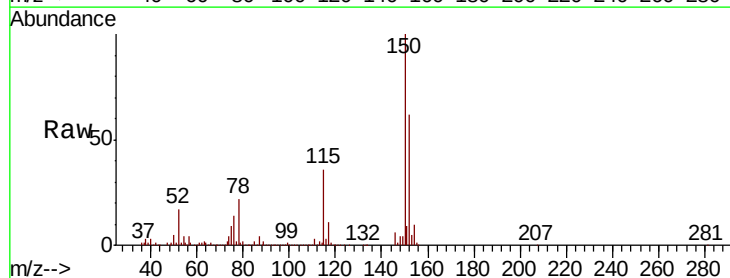
Tgt Ion:152 Resp: 397058

Ion Ratio Lower Upper

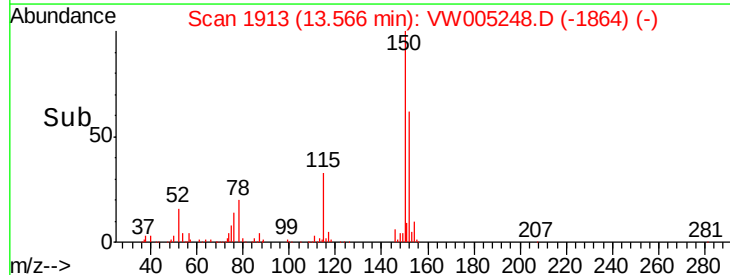
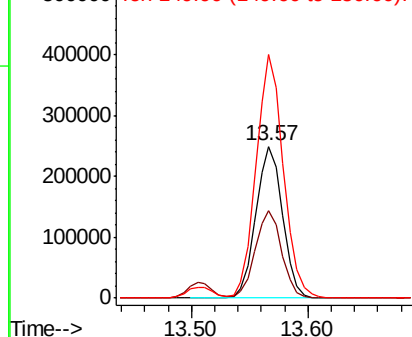
152 100

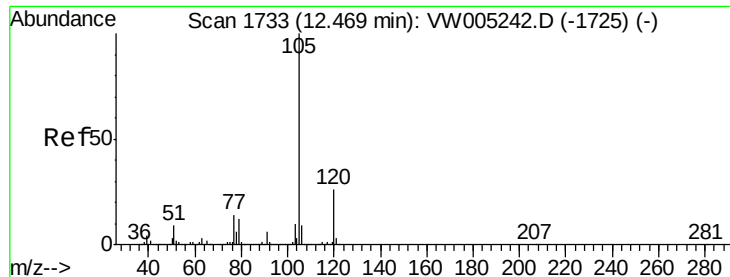
115 57.1 27.5 82.4

150 164.5 0.0 347.4



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: 20.438 ug/l

RT: 12.48 min Scan# 1734

Delta R.T. 0.01 min

Lab File: VW005248.D

Acq: 10 Sep 2018 18:46

Instrument :

MSVOA_W

ClientSampleId :

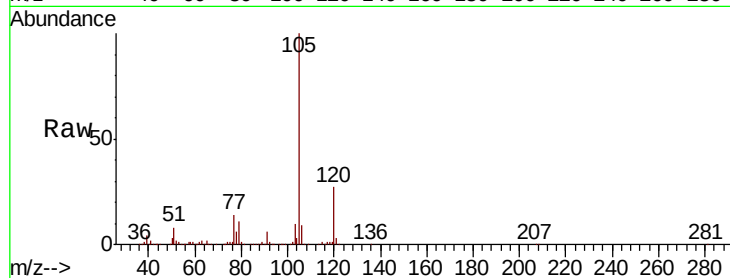
VW0910SBS01

Tgt Ion: 105 Resp: 573365

Ion Ratio Lower Upper

105 100

120 26.5 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

400000

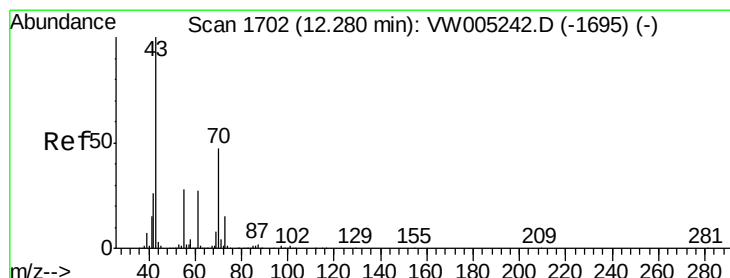
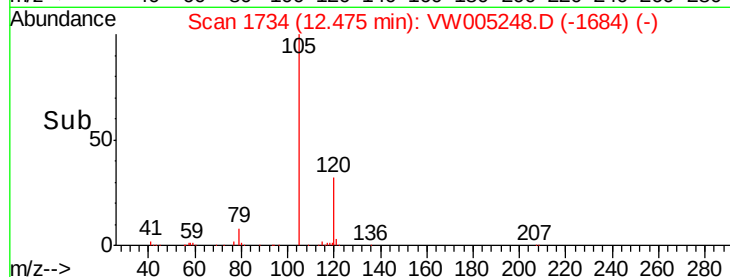
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 21.306 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VW005248.D

Acq: 10 Sep 2018 18:46

Tgt Ion: 43 Resp: 113724

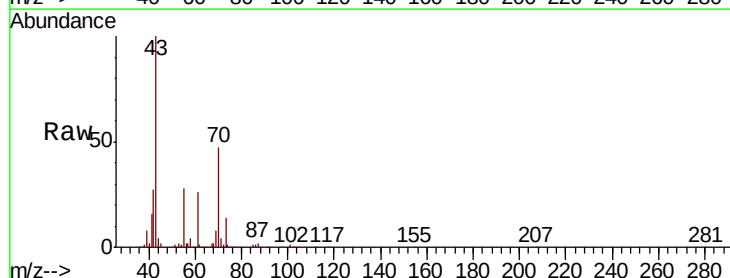
Ion Ratio Lower Upper

43 100

70 45.8 37.9 56.9

55 28.9 22.6 33.8

61 25.7 20.9 31.3



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

120000

100000

80000

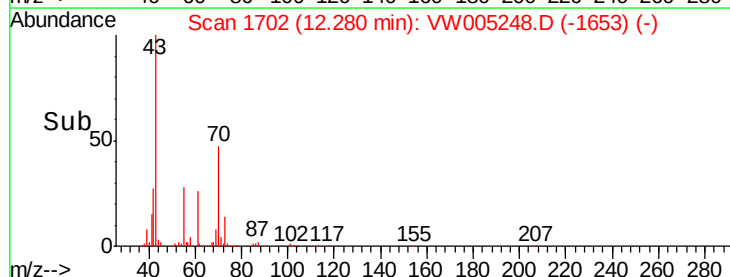
60000

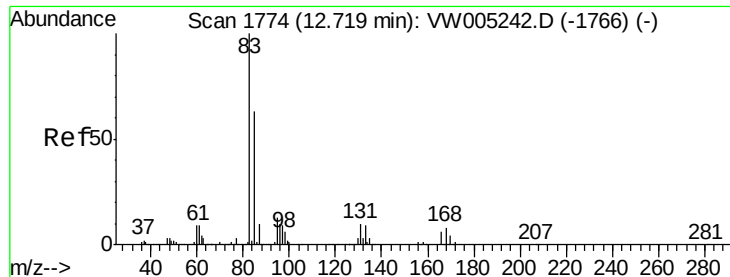
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.113 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW005248.D

Acq: 10 Sep 2018 18:46

Instrument :

MSVOA_W

ClientSampleId :

VW0910SBS01

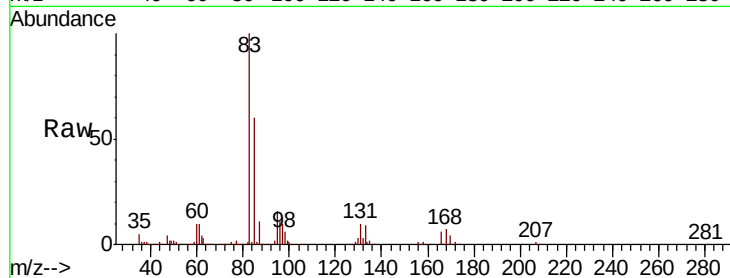
Tgt Ion: 83 Resp: 89014

Ion Ratio Lower Upper

83 100

131 10.7 5.5 16.4

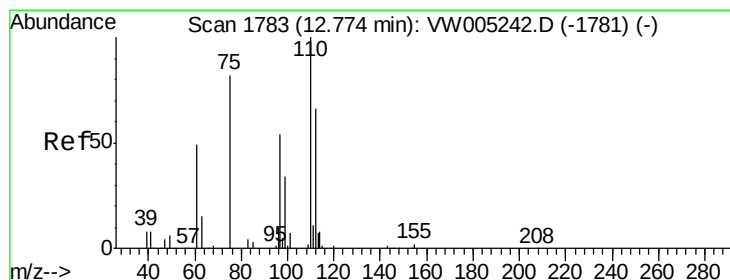
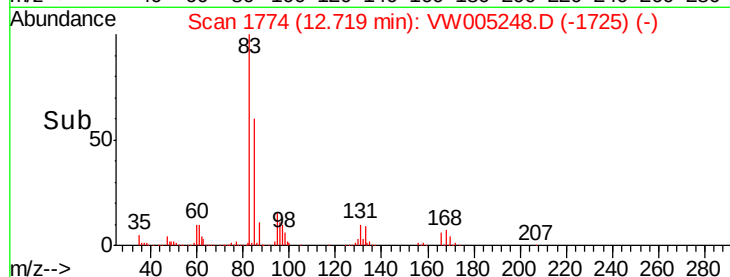
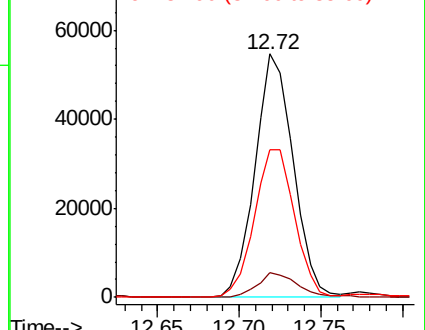
85 63.7 31.6 95.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 38.205 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW005248.D

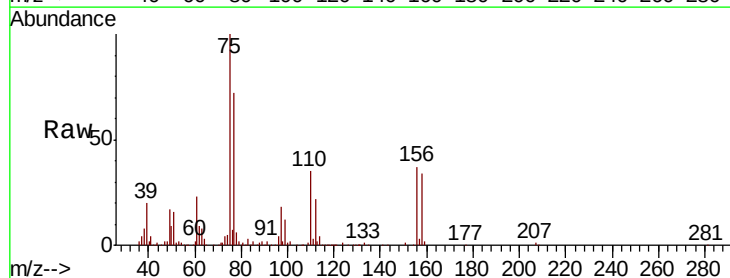
Acq: 10 Sep 2018 18:46

Tgt Ion: 75 Resp: 116678

Ion Ratio Lower Upper

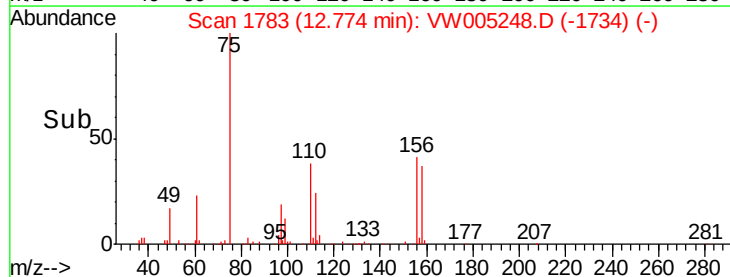
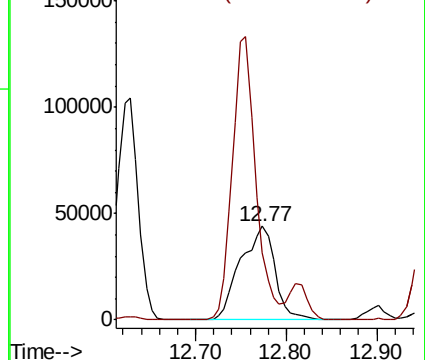
75 100

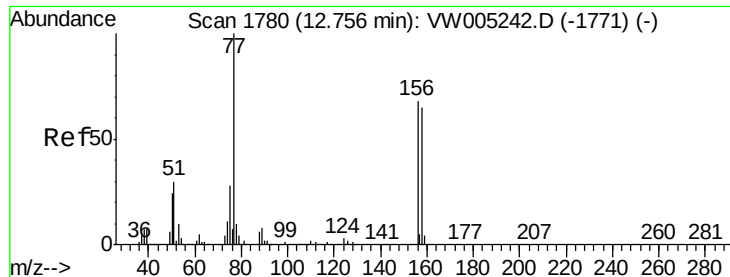
77 205.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.706 ug/l

RT: 12.76 min Scan# 1780

Delta R.T. 0.00 min

Lab File: VW005248.D

Acq: 10 Sep 2018 18:46

Instrument :

MSVOA_W

ClientSampleId :

VW0910SBS01

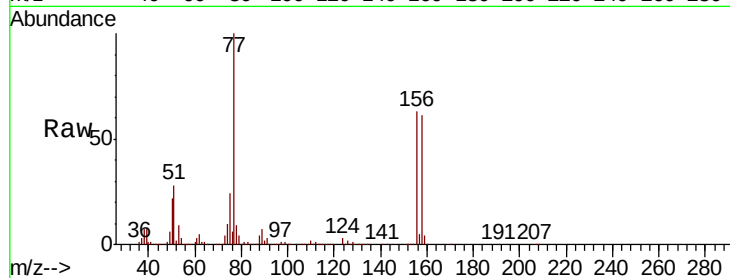
Tgt Ion:156 Resp: 136852

Ion Ratio Lower Upper

156 100

77 175.0 86.3 258.8

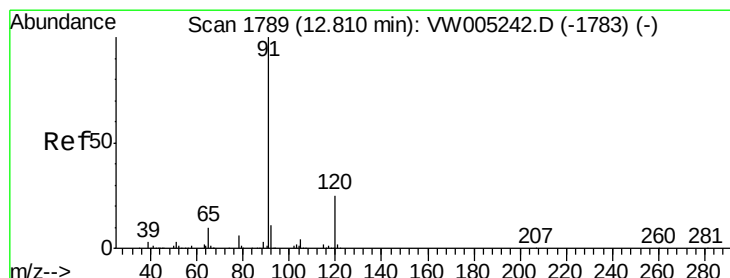
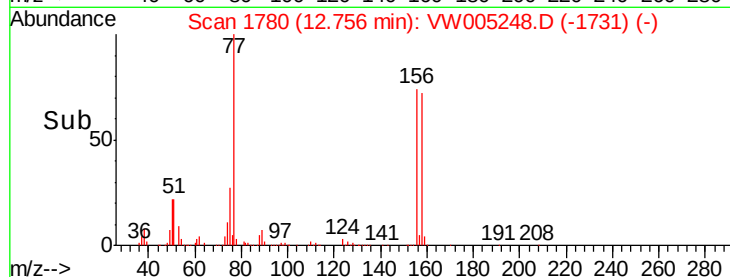
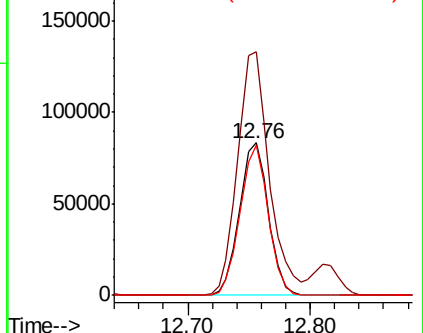
158 95.7 48.6 145.8



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: 20.683 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW005248.D

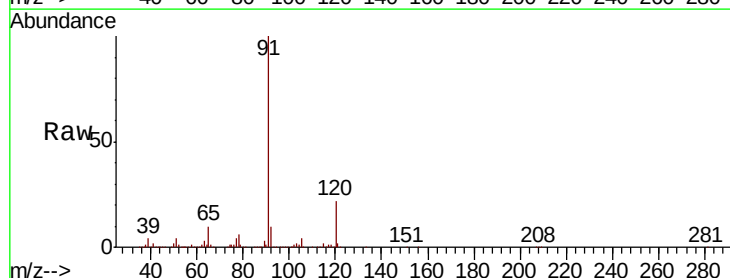
Acq: 10 Sep 2018 18:46

Tgt Ion: 91 Resp: 696885

Ion Ratio Lower Upper

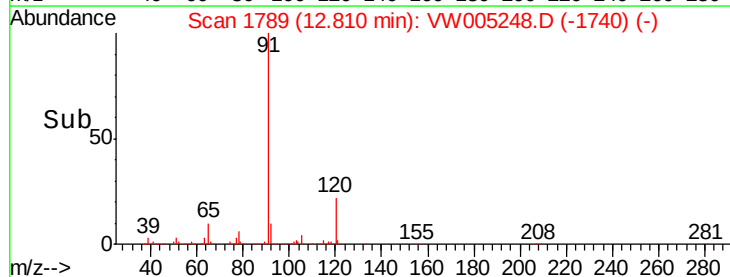
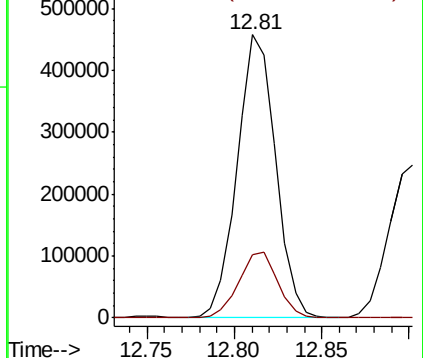
91 100

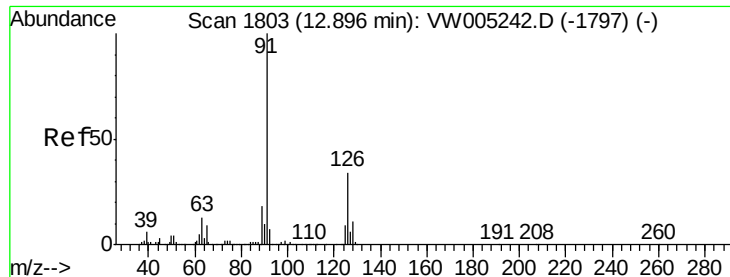
120 23.6 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.457 ug/l

RT: 12.90 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VW005248.D

Acq: 10 Sep 2018 18:46

Instrument :

MSVOA_W

ClientSampleId :

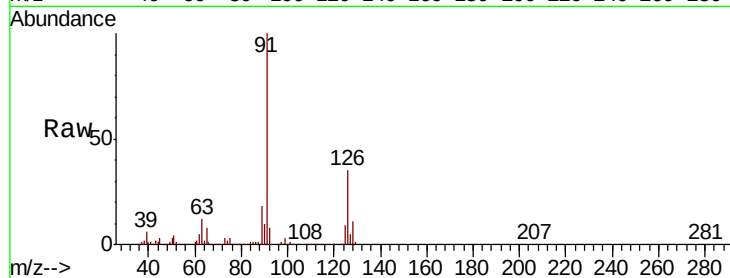
VW0910SBS01

Tgt Ion: 91 Resp: 395260

Ion Ratio Lower Upper

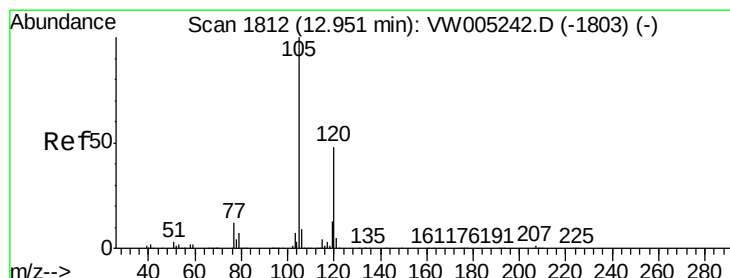
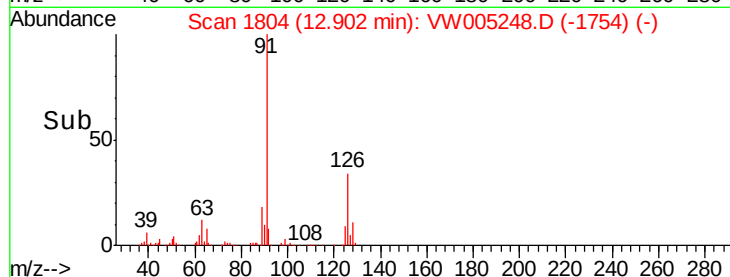
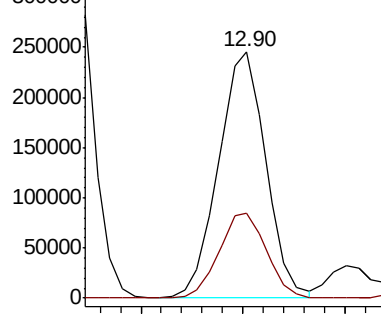
91 100

126 34.8 17.2 51.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.381 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW005248.D

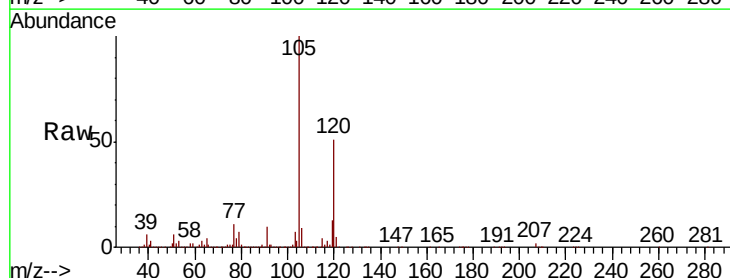
Acq: 10 Sep 2018 18:46

Tgt Ion: 105 Resp: 486883

Ion Ratio Lower Upper

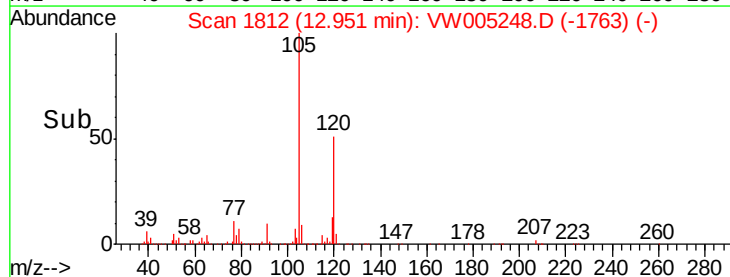
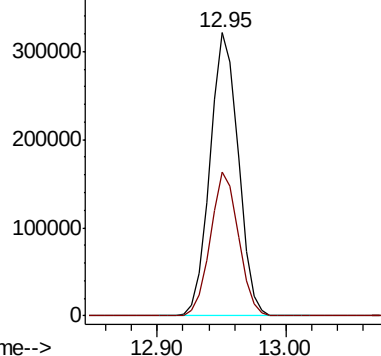
105 100

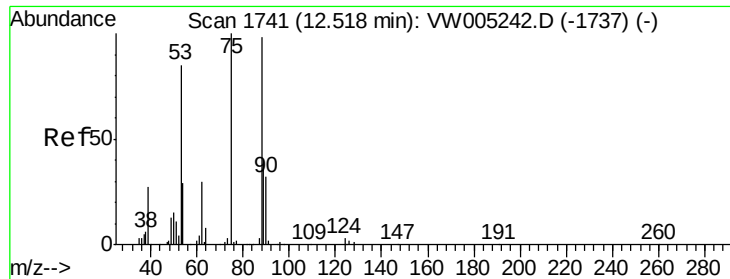
120 50.4 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.049 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VW005248.D

Acq: 10 Sep 2018 18:46

Instrument :

MSVOA_W

ClientSampleId :

VW0910SBS01

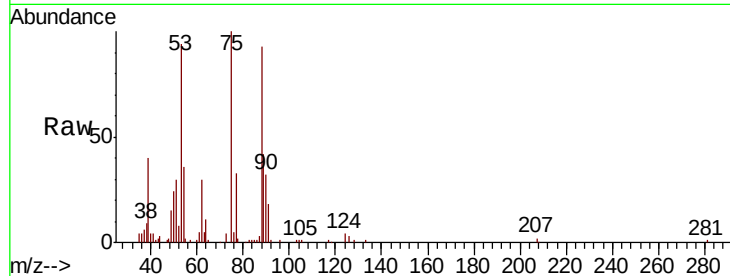
Tgt Ion: 75 Resp: 26108

Ion Ratio Lower Upper

75 100

53 89.6 67.0 100.6

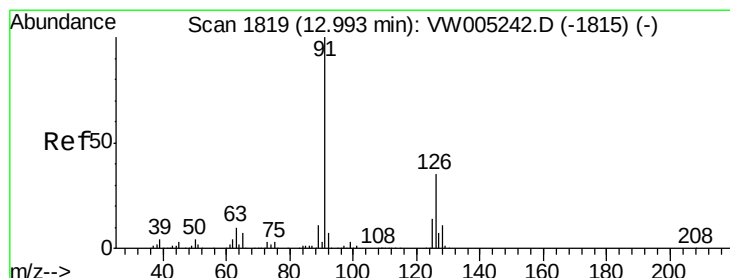
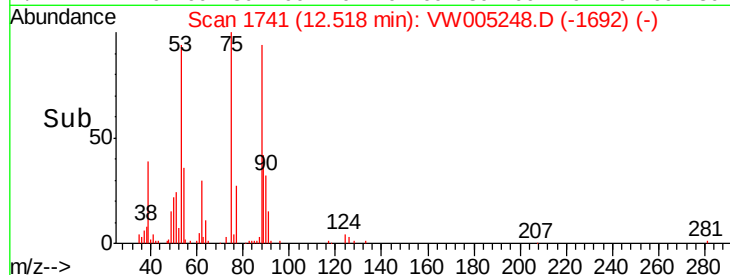
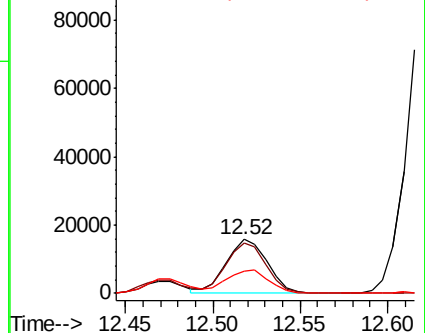
89 44.8 37.0 55.4



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: 20.811 ug/l

RT: 13.00 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VW005248.D

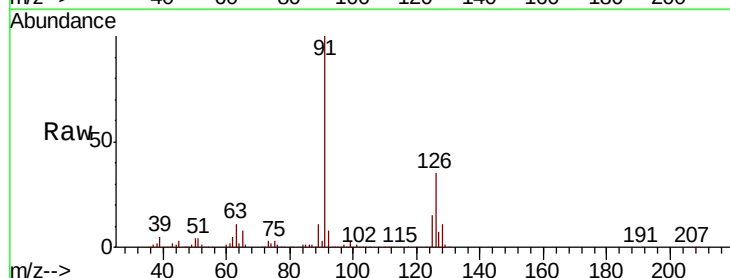
Acq: 10 Sep 2018 18:46

Tgt Ion: 91 Resp: 422646

Ion Ratio Lower Upper

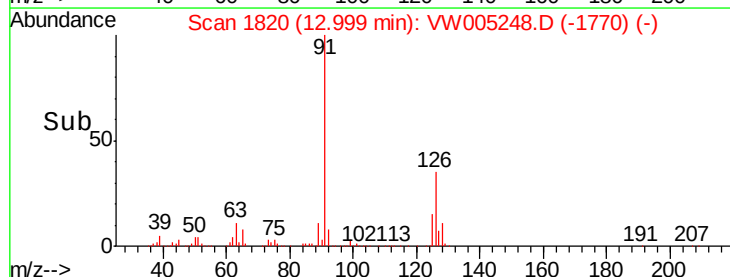
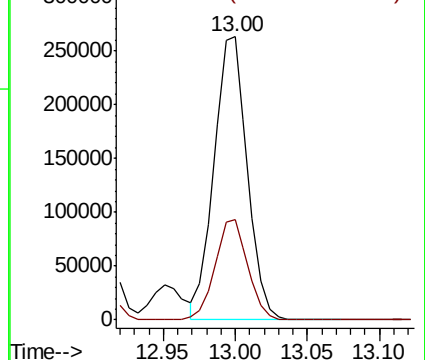
91 100

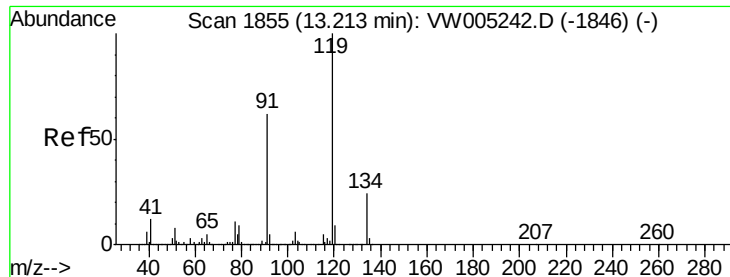
126 34.8 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 20.490 ug/l

RT: 13.21 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW005248.D

Acq: 10 Sep 2018 18:46

Instrument :

MSVOA_W

ClientSampleId :

VW0910SBS01

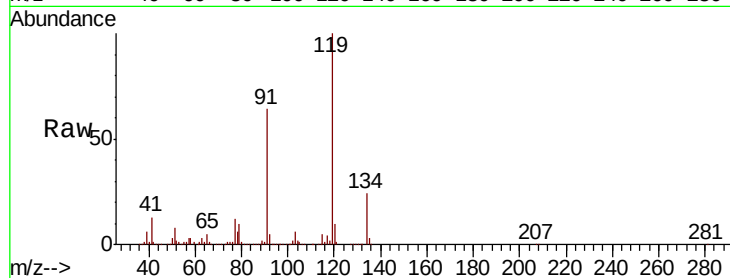
Tgt Ion:119 Resp: 428088

Ion Ratio Lower Upper

119 100

91 61.9 31.7 95.1

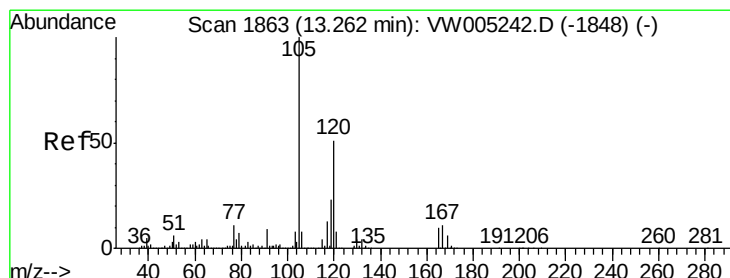
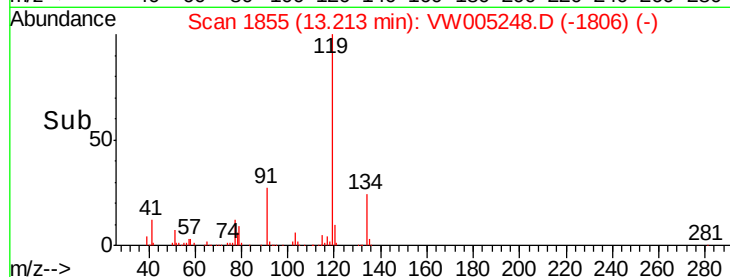
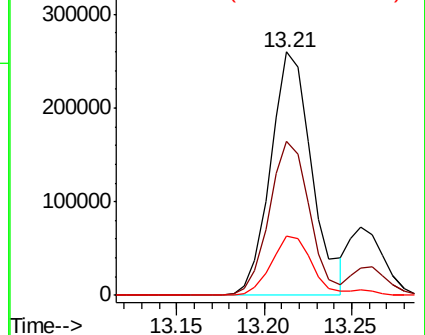
134 25.5 13.0 38.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.825 ug/l

RT: 13.26 min Scan# 1863

Delta R.T. 0.00 min

Lab File: VW005248.D

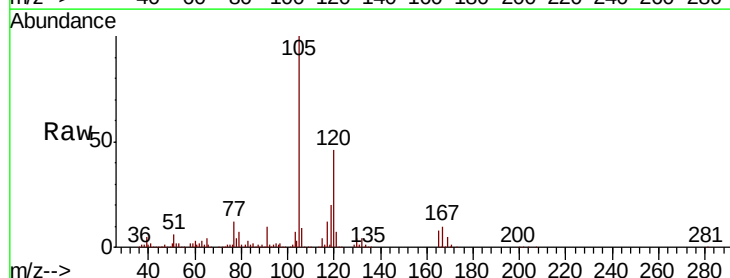
Acq: 10 Sep 2018 18:46

Tgt Ion:105 Resp: 499916

Ion Ratio Lower Upper

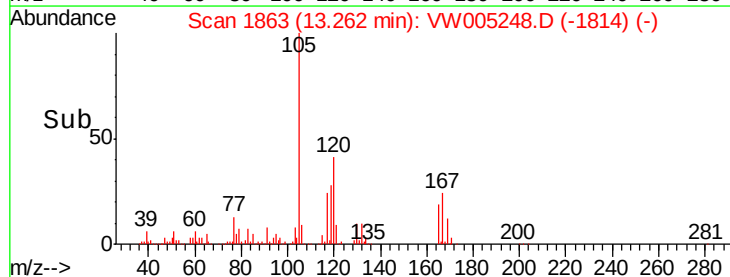
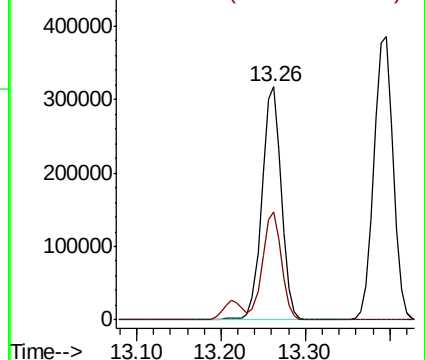
105 100

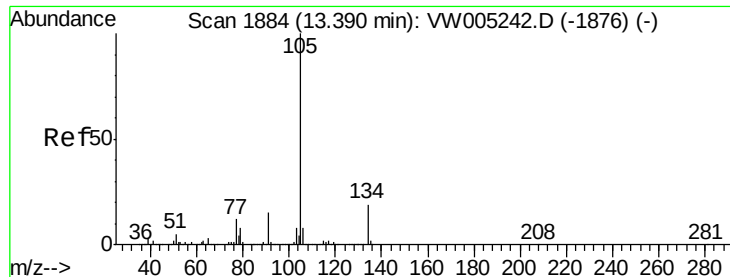
120 45.3 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.420 ug/l

RT: 13.40 min Scan# 1885

Delta R.T. 0.01 min

Lab File: VW005248.D

Acq: 10 Sep 2018 18:46

Instrument :

MSVOA_W

ClientSampleId :

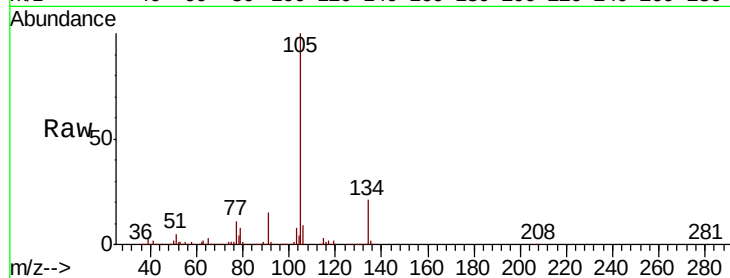
VW0910SBS01

Tgt Ion:105 Resp: 613142

Ion Ratio Lower Upper

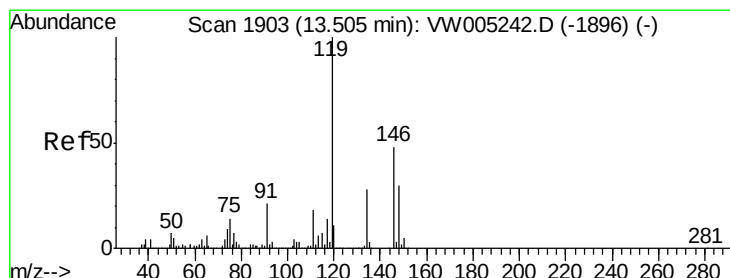
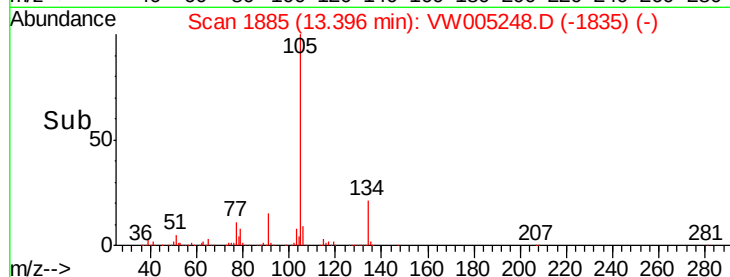
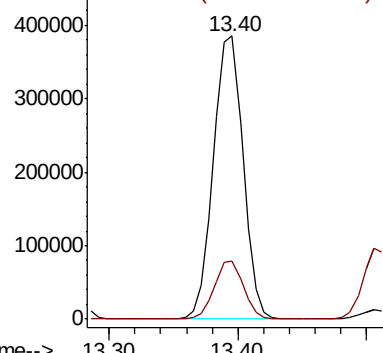
105 100

134 20.1 9.9 29.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.203 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW005248.D

Acq: 10 Sep 2018 18:46

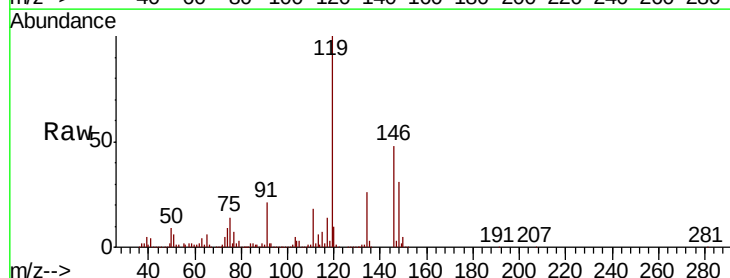
Tgt Ion:119 Resp: 537023

Ion Ratio Lower Upper

119 100

134 26.4 13.2 39.5

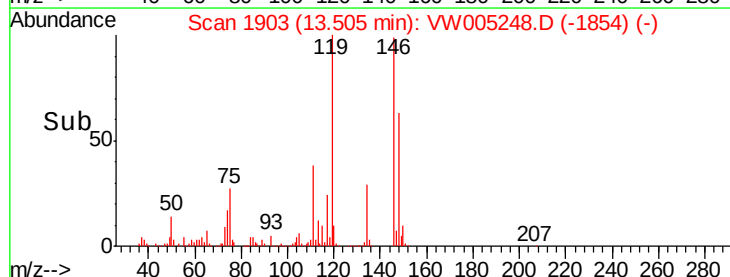
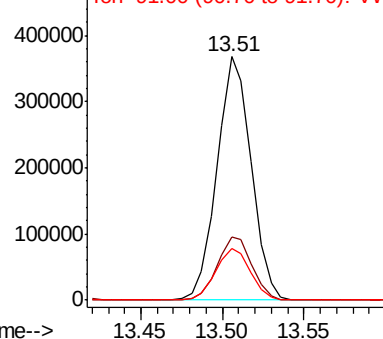
91 21.8 10.7 32.1

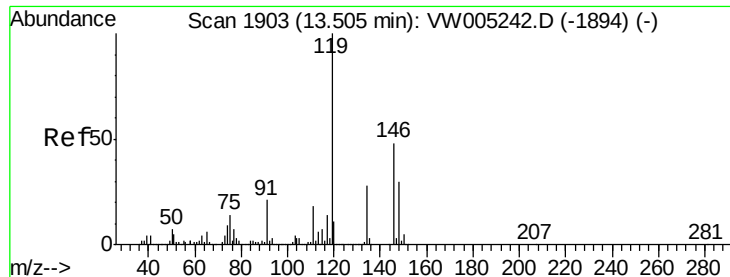


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

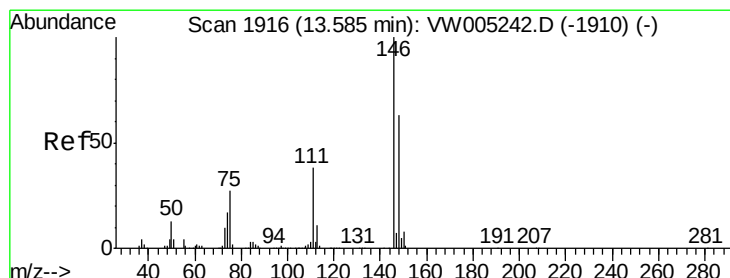
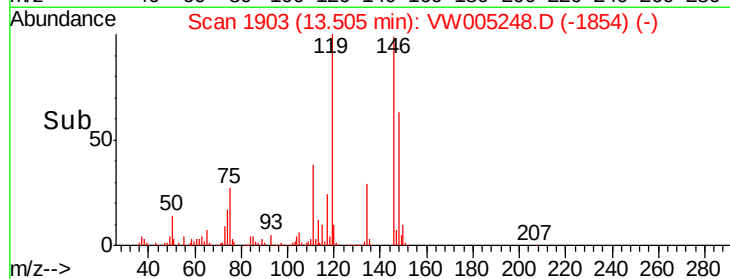
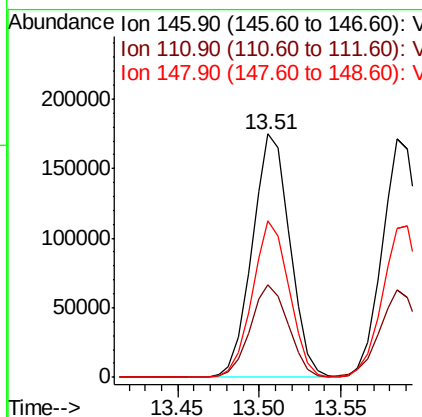
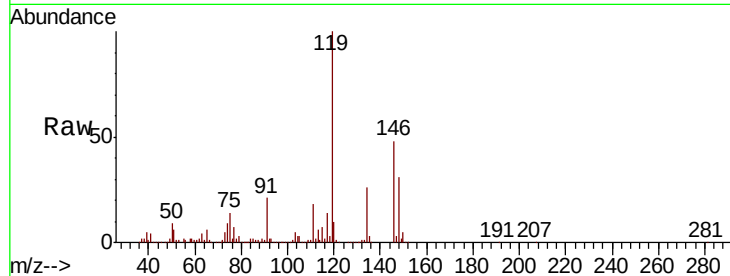




#87
 1,3-Dichlorobenzene
 Concen: 20.205 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW005248.D
 Acq: 10 Sep 2018 18:46

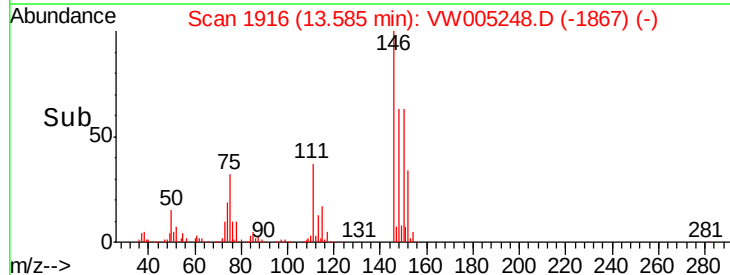
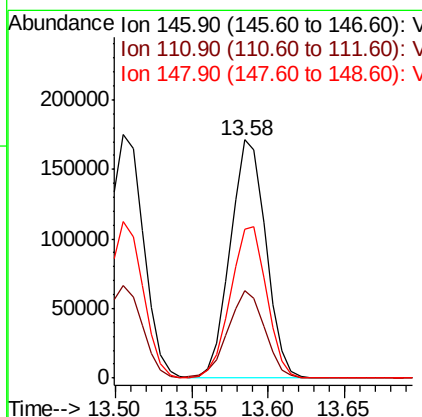
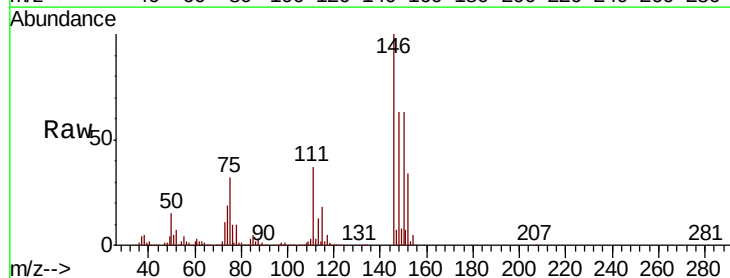
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0910SBS01

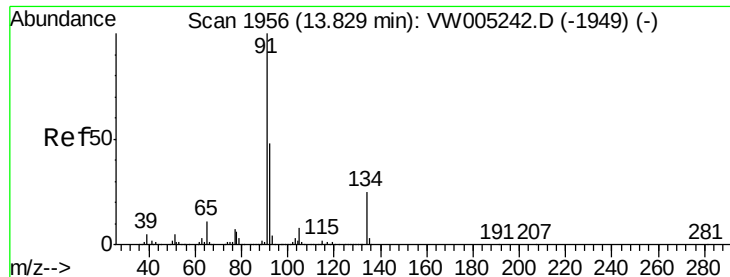
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	18.8	56.3
148	62.9	31.6	94.8



#88
 1,4-Dichlorobenzene
 Concen: 20.286 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW005248.D
 Acq: 10 Sep 2018 18:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.1	57.3
148	64.6	32.3	96.9





#89

n-Butylbenzene

Concen: 19.826 ug/l

RT: 13.83 min Scan# 1957

Delta R.T. 0.01 min

Lab File: VW005248.D

Acq: 10 Sep 2018 18:46

Instrument :

MSVOA_W

ClientSampleId :

VW0910SBS01

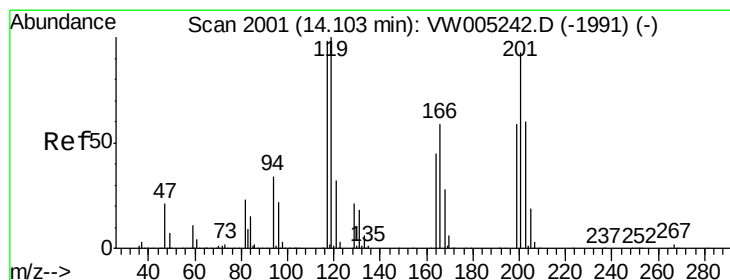
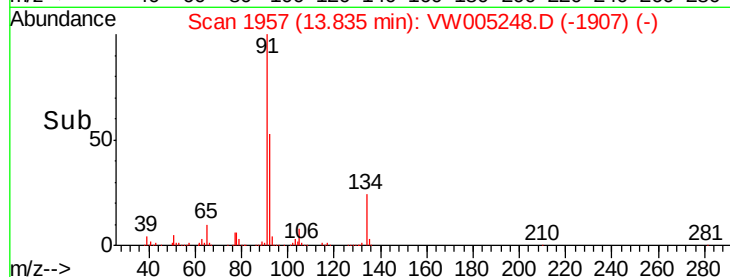
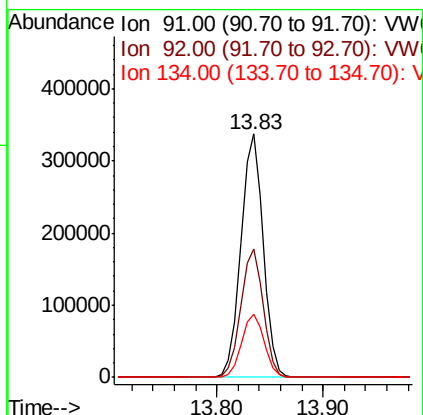
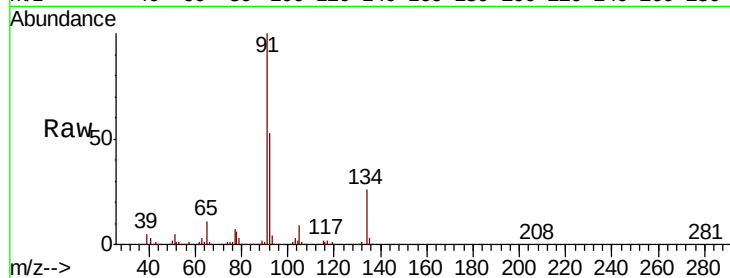
Tgt Ion: 91 Resp: 495400

Ion Ratio Lower Upper

91 100

92 53.1 25.8 77.3

134 26.3 13.6 40.8



#90

Hexachloroethane

Concen: 20.350 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.00 min

Lab File: VW005248.D

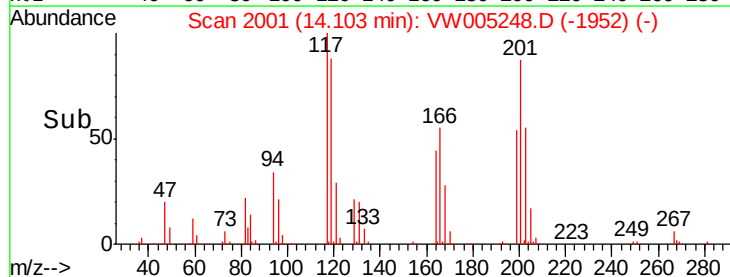
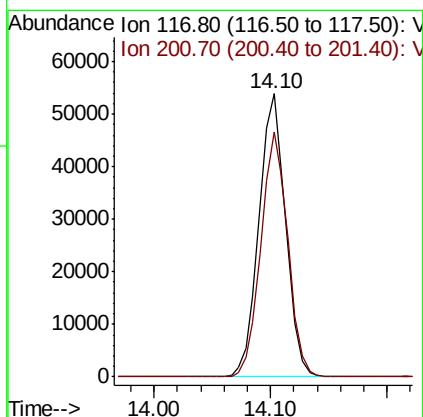
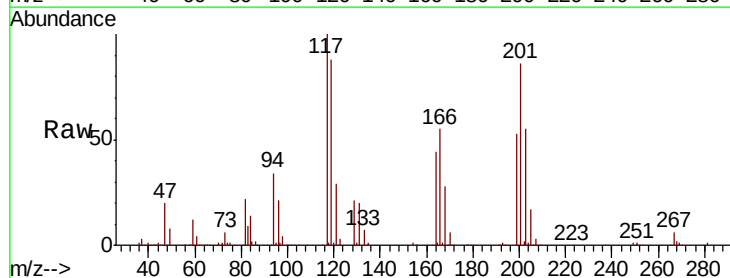
Acq: 10 Sep 2018 18:46

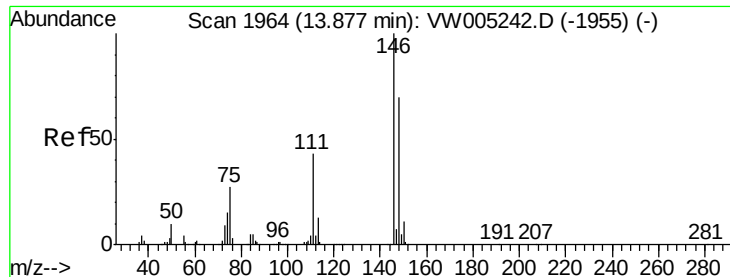
Tgt Ion: 117 Resp: 86662

Ion Ratio Lower Upper

117 100

201 86.2 44.0 132.1

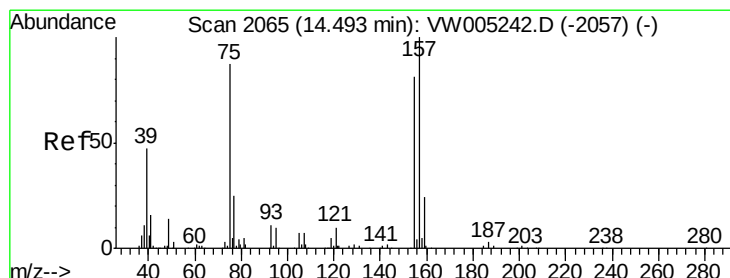
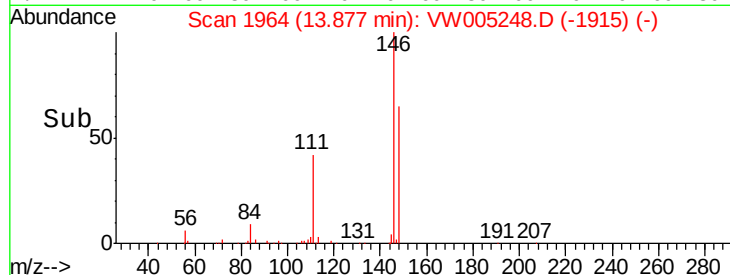
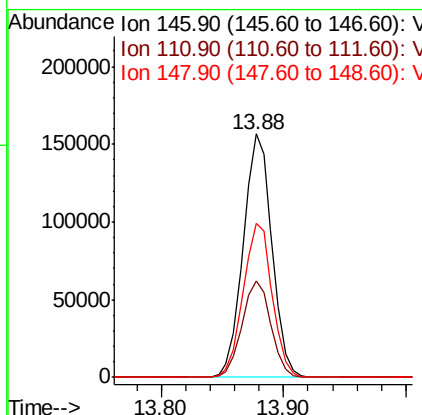
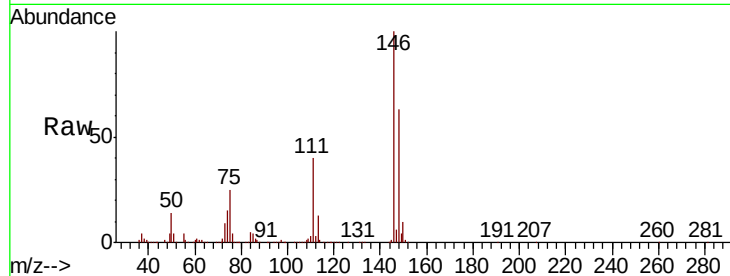




#91
 1,2-Dichlorobenzene
 Concen: 20.817 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW005248.D
 Acq: 10 Sep 2018 18:46

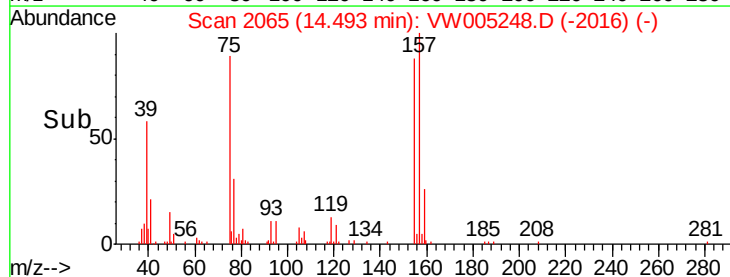
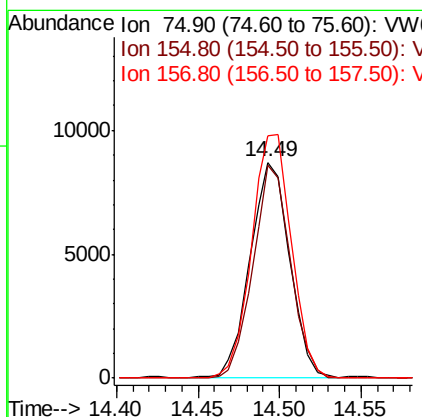
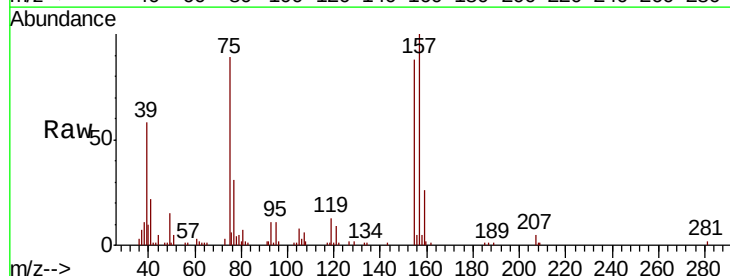
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0910SBS01

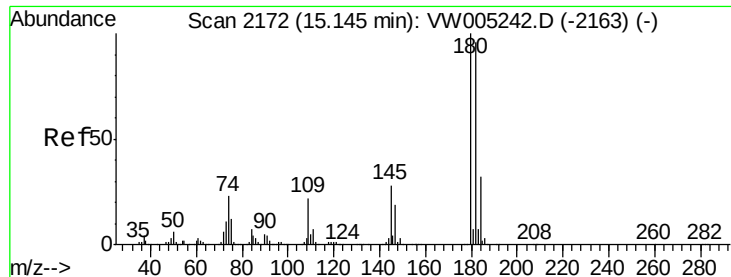
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.5	61.5
148	64.3	32.7	98.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.042 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW005248.D
 Acq: 10 Sep 2018 18:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.7	47.4	142.2
157	113.1	59.4	178.2

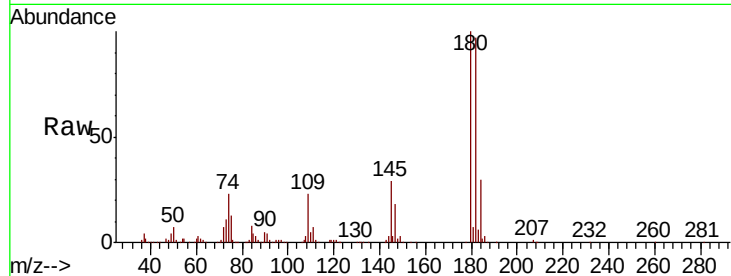




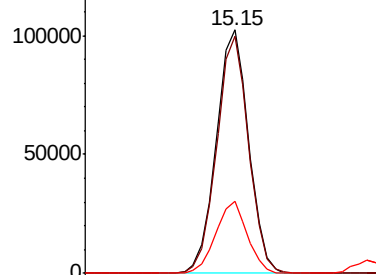
#93
 1,2,4-Trichlorobenzene
 Concen: 19.746 ug/l
 RT: 15.15 min Scan# 2172
 Delta R.T. 0.00 min
 Lab File: VW005248.D
 Acq: 10 Sep 2018 18:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0910SBS01

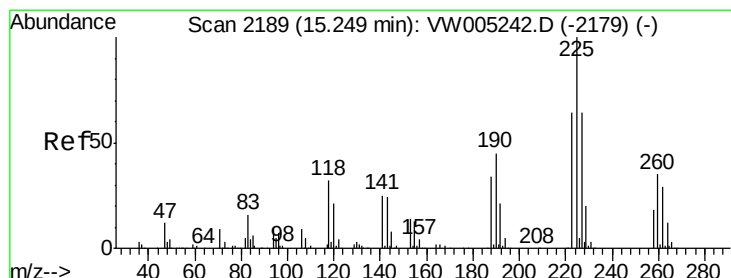
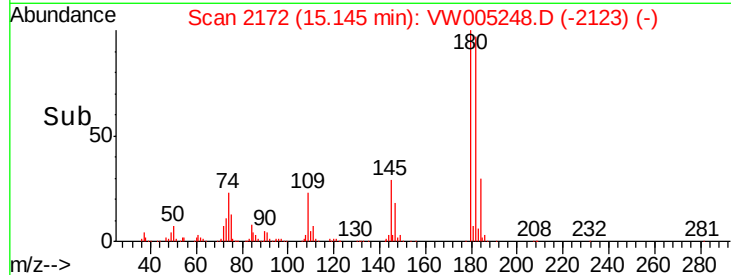
Tgt Ion:180 Resp: 170374
 Ion Ratio Lower Upper
 180 100
 182 95.7 48.1 144.4
 145 28.8 14.5 43.6



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

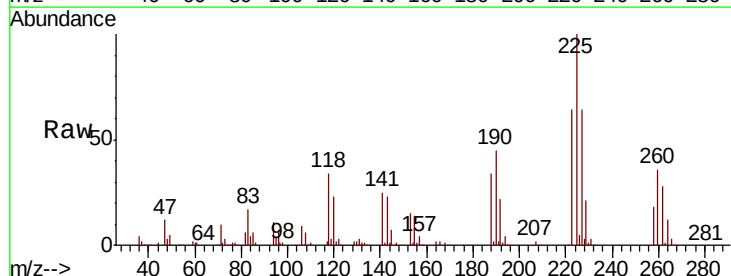


Time-->

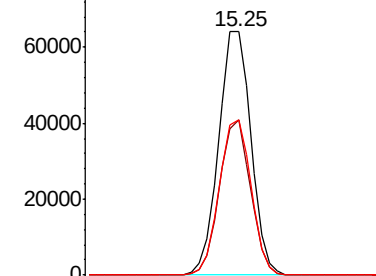


#94
 Hexachlorobutadiene
 Concen: 20.016 ug/l
 RT: 15.25 min Scan# 2189
 Delta R.T. 0.00 min
 Lab File: VW005248.D
 Acq: 10 Sep 2018 18:46

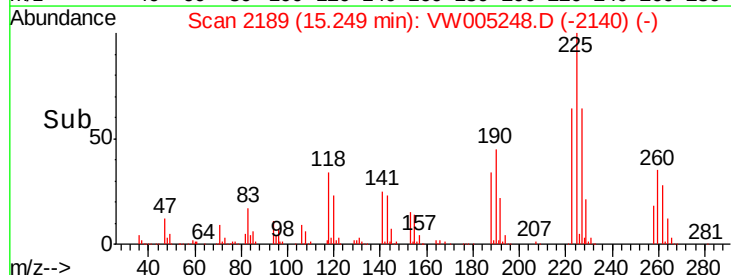
Tgt Ion:225 Resp: 110598
 Ion Ratio Lower Upper
 225 100
 223 61.7 31.4 94.2
 227 63.2 32.0 96.0

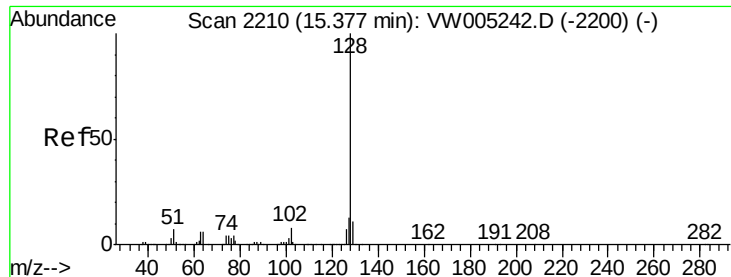


Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V



Time-->

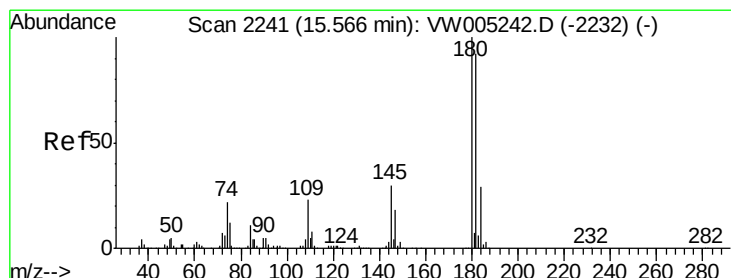
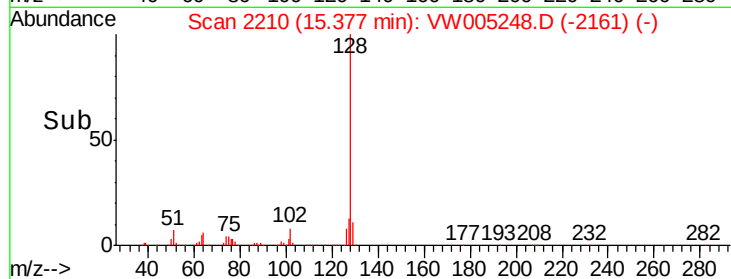
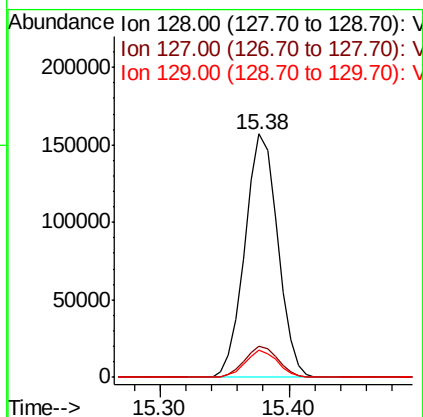
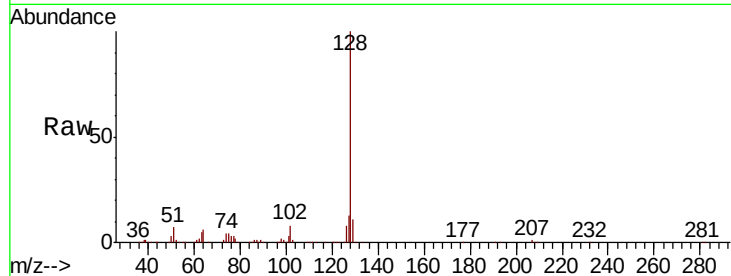




#95
Naphthalene
Concen: 19.782 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW005248.D
Acq: 10 Sep 2018 18:46

Instrument :
MSVOA_W
ClientSampleId :
VW0910SBS01

Tgt Ion:128 Resp: 276742
Ion Ratio Lower Upper
128 100
127 13.2 10.3 15.5
129 10.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 20.237 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW005248.D
Acq: 10 Sep 2018 18:46

Tgt Ion:180 Resp: 150250
Ion Ratio Lower Upper
180 100
182 96.1 47.2 141.6
145 30.4 15.2 45.6

