

Data File : VW005887.D
Acq On : 08 Oct 2018 10:57
Operator : SY/AP
Sample : VSTDIC010
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Quant Time: Oct 09 01:58:09 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100818S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 09 01:57:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	368798	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	540699	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	490194	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	262022	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	36895	10.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.62%	
35) Dibromofluoromethane	7.89	113	35275	10.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.44%	
50) Toluene-d8	10.33	98	137137	10.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.66%	
62) 4-Bromofluorobenzene	12.62	95	51591	10.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	17815	9.857	ug/l	96
3) Chloromethane	2.21	50	21362	10.049	ug/l	98
4) Vinyl Chloride	2.37	62	32506	9.632	ug/l	97
5) Bromomethane	2.78	94	25031	9.398	ug/l	91
6) Chloroethane	2.93	64	19836	9.225	ug/l	95
7) Trichlorofluoromethane	3.26	101	25087	9.364	ug/l	97
8) Diethyl Ether	3.68	74	16396	9.945	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	4.06	101	34271	10.137	ug/l	99
10) Methyl Iodide	4.26	142	55061	9.959	ug/l	99
11) Tert butyl alcohol	5.20	59	13964	53.219	ug/l #	87
12) 1,1-Dichloroethene	4.03	96	32776	10.096	ug/l	99
13) Acrolein	3.89	56	14088	60.251	ug/l	90
14) Allyl chloride	4.67	41	56938	10.284	ug/l	97
15) Acrylonitrile	5.37	53	36727	51.186	ug/l	99
16) Acetone	4.13	43	39480	55.208	ug/l	91
17) Carbon Disulfide	4.37	76	94316	9.609	ug/l	99
18) Methyl Acetate	4.68	43	17219	9.542	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	52212	10.337	ug/l	97
20) Methylene Chloride	4.91	84	37807	10.552	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	34929	9.871	ug/l	93
22) Diisopropyl ether	6.32	45	106211	10.262	ug/l	97
23) Vinyl Acetate	6.26	43	325801	51.145	ug/l	99
24) 1,1-Dichloroethane	6.21	63	64528	10.188	ug/l	98
25) 2-Butanone	7.18	43	53910	53.002	ug/l	97
26) 2,2-Dichloropropane	7.17	77	47663	10.693	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	40711	10.173	ug/l	97
28) Bromochloromethane	7.51	49	24159	10.334	ug/l	96
29) Tetrahydrofuran	7.54	42	32176	50.042	ug/l	99
30) Chloroform	7.68	83	65949	10.137	ug/l	97
31) Cyclohexane	7.95	56	64762	10.333	ug/l #	90
32) 1,1,1-Trichloroethane	7.87	97	59544	10.278	ug/l	98
36) 1,1-Dichloropropene	8.09	75	52196	10.075	ug/l	100
37) Ethyl Acetate	7.26	43	22879	10.428	ug/l	98
38) Carbon Tetrachloride	8.07	117	55760	10.017	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	67341	9.855	ug/l	99
40) Benzene	8.32	78	142223	10.030	ug/l	100
41) Methacrylonitrile	7.49	41	13729	9.995	ug/l	96
42) 1,2-Dichloroethane	8.40	62	43098	10.060	ug/l	97
43) Isopropyl Acetate	8.43	43	45187	9.860	ug/l	98
44) Trichloroethene	9.09	130	40749	9.904	ug/l	93
45) 1,2-Dichloropropane	9.37	63	35786	10.082	ug/l	96
46) Dibromomethane	9.46	93	19326	9.907	ug/l	99
47) Bromodichloromethane	9.65	83	49683	10.121	ug/l	96
48) Methyl methacrylate	9.44	41	21508	9.851	ug/l	96
49) 1,4-Dioxane	9.46	88	5587	188.549	ug/l #	83
51) 4-Methyl-2-Pentanone	10.21	43	111605	50.007	ug/l	99
52) Toluene	10.39	92	93870	10.077	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	51187	9.978	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	58190	10.091	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	26691	9.878	ug/l	96
56) Ethyl methacrylate	10.65	69	35805	9.832	ug/l	99
57) 1,3-Dichloropropane	10.93	76	45562	10.023	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.93	63	73870	49.851	ug/l	99
59) 2-Hexanone	10.97	43	82370	51.474	ug/l	100
60) Dibromochloromethane	11.13	129	35297	10.123	ug/l	100
61) 1,2-Dibromoethane	11.24	107	27116	10.043	ug/l	96
64) Tetrachloroethene	10.87	164	35425	9.702	ug/l	99
65) Chlorobenzene	11.66	112	105326	10.031	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	38488	10.000	ug/l	99
67) Ethyl Benzene	11.73	91	185565	10.005	ug/l	99
68) m/p-Xylenes	11.84	106	145662	20.097	ug/l	100
69) o-Xylene	12.17	106	69126	9.962	ug/l	100
70) Styrene	12.18	104	114996	9.989	ug/l	100
71) Bromoform	12.35	173	22325	9.738	ug/l #	99
73) Isopropylbenzene	12.47	105	192939	10.083	ug/l	100
74) N-amyl acetate	12.27	43	45544	10.021	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	31927	10.179	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	43571	10.864	ug/l #	100
77) Bromobenzene	12.75	156	45286	9.989	ug/l	97
78) n-propylbenzene	12.81	91	228820	10.165	ug/l	99
79) 2-Chlorotoluene	12.90	91	128692	10.128	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	164000	10.151	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	10892	9.824	ug/l	98
82) 4-Chlorotoluene	12.99	91	133664	9.998	ug/l	99
83) tert-Butylbenzene	13.21	119	145510	10.127	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	166891	10.241	ug/l	99
85) sec-Butylbenzene	13.39	105	204360	10.132	ug/l	100
86) p-Isopropyltoluene	13.51	119	183602	10.122	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	91277	10.134	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	91424	10.215	ug/l	98
89) n-Butylbenzene	13.83	91	174142	10.185	ug/l	100
90) Hexachloroethane	14.10	117	33836	9.918	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	80387	10.053	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	5782	9.892	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100818\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	62299	10.048	ug/l	99
94) Hexachlorobutadiene	15.24	225	38798	10.025	ug/l	98
95) Naphthalene	15.37	128	105842	9.903	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	54166	10.089	ug/l	99

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

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Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

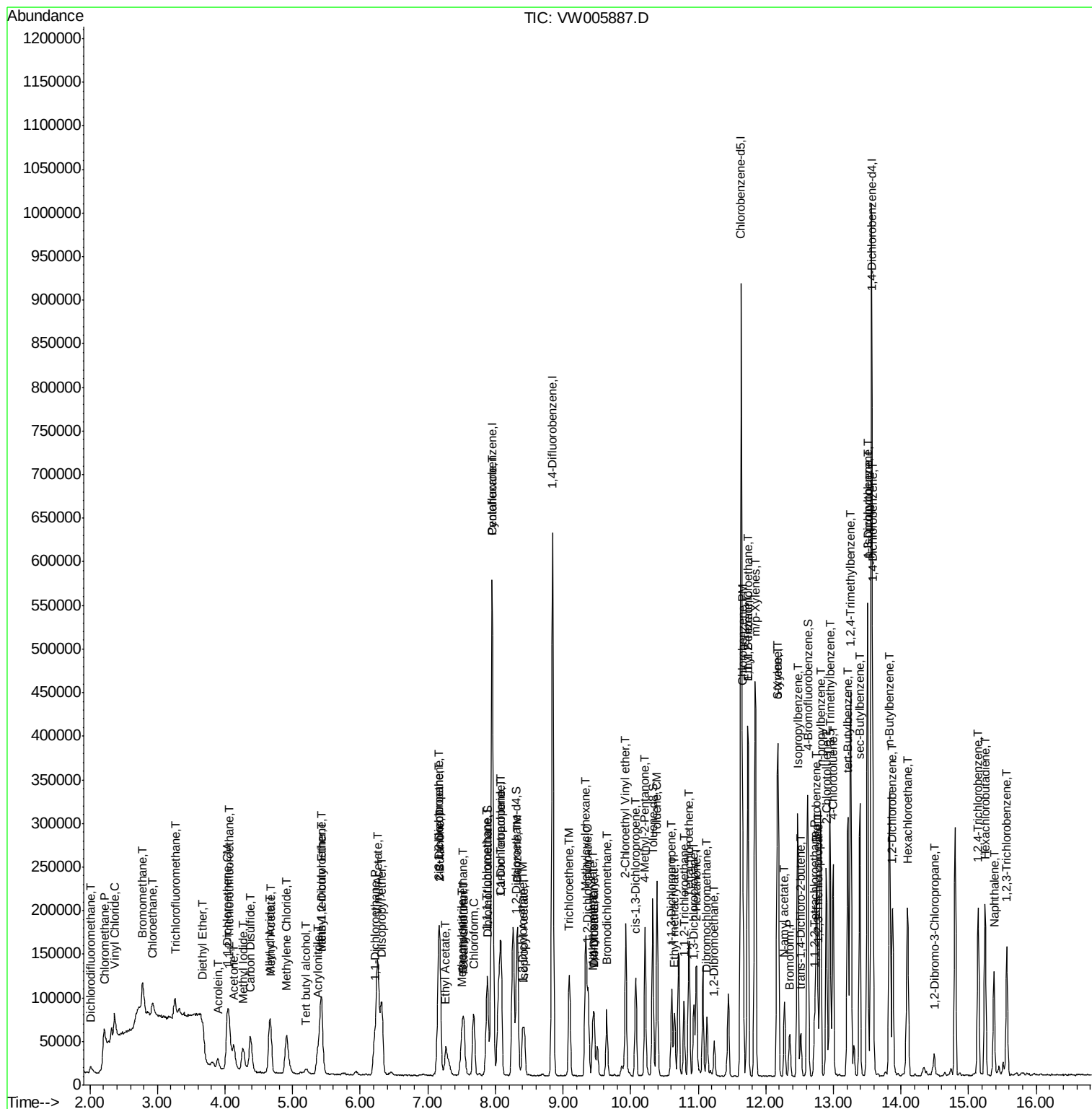
Quant Time: Oct 09 01:58:09 2018

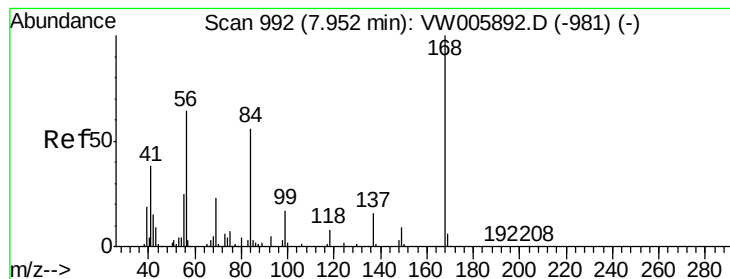
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_W\METHOD\82W100818S.M

Quant Title : SW846 8260

QLast Update : Tue Oct 09 01:57:02 2018

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW005887.D

Acq: 08 Oct 2018 10:57

Instrument :

MSVOA_W

ClientSampleId :

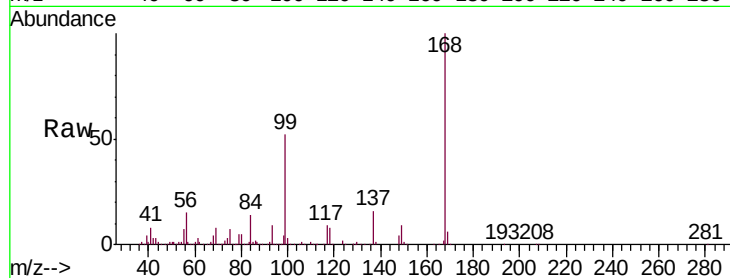
VSTDIC010

Tgt Ion:168 Resp: 368798

Ion Ratio Lower Upper

168 100

99 51.7 40.9 61.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

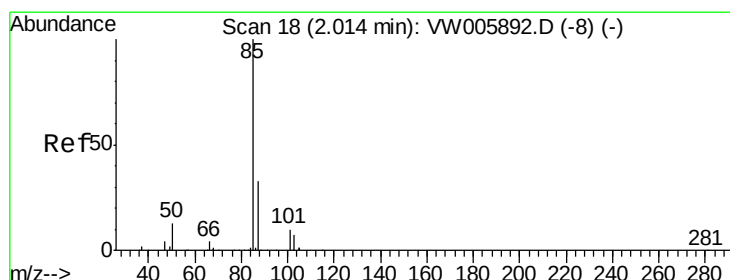
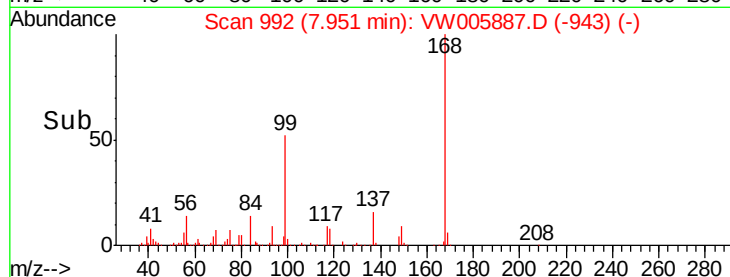
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 9.857 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW005887.D

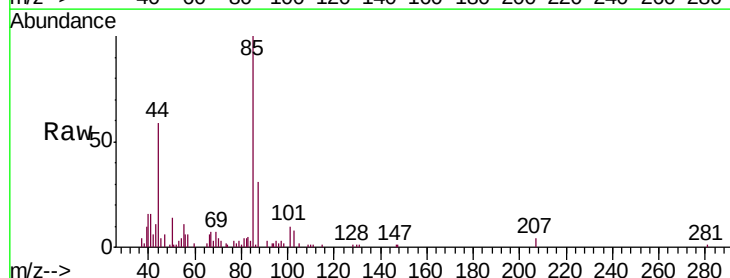
Acq: 08 Oct 2018 10:57

Tgt Ion: 85 Resp: 17815

Ion Ratio Lower Upper

85 100

87 31.2 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

5000

4000

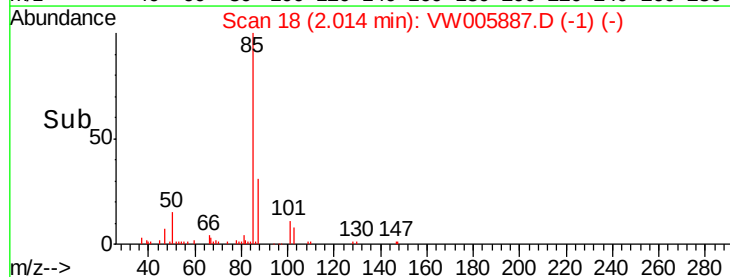
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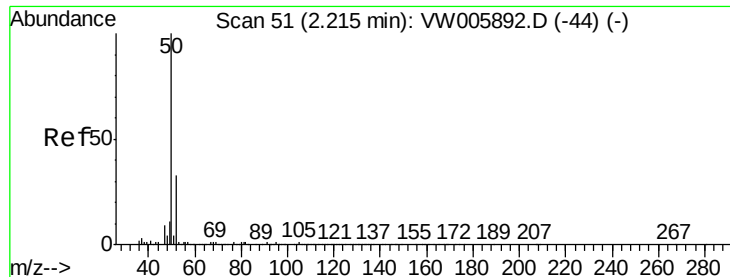
2000

1000

0

Time-->





#3

Chloromethane

Concen: 10.049 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW005887.D

Acq: 08 Oct 2018 10:57

Instrument :

MSVOA_W

ClientSampleId :

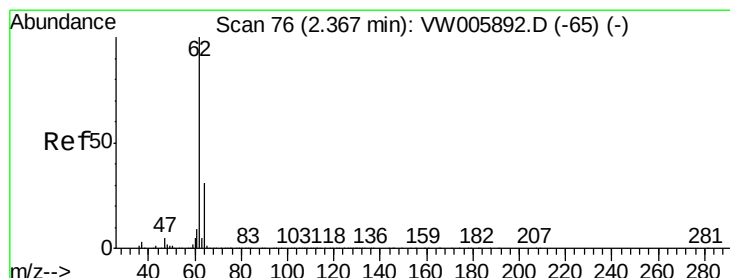
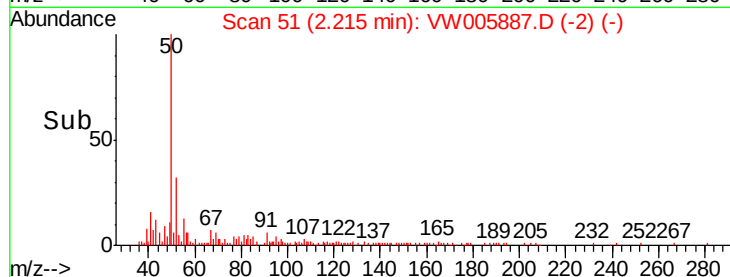
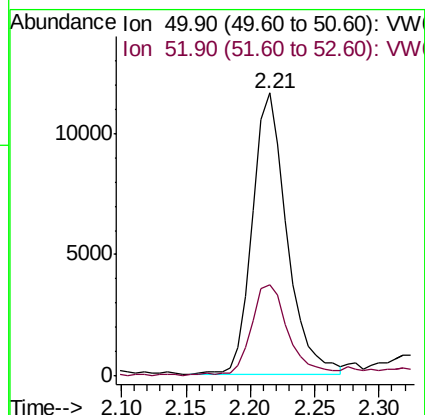
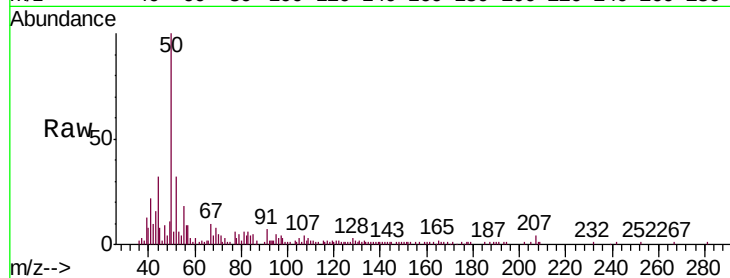
VSTDIC010

Tgt Ion: 50 Resp: 21362

Ion Ratio Lower Upper

50 100

52 32.2 26.7 40.1



#4

Vinyl Chloride

Concen: 9.632 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW005887.D

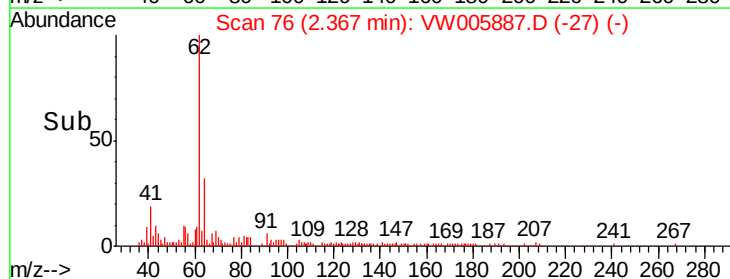
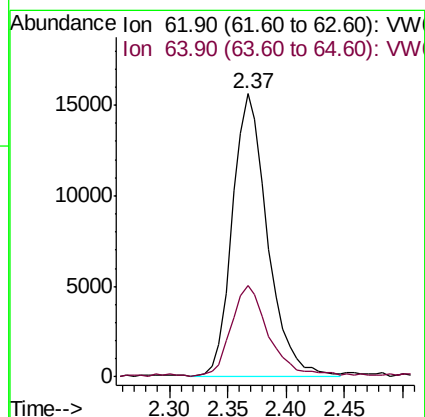
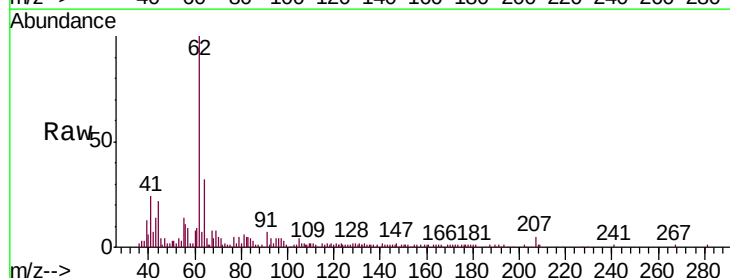
Acq: 08 Oct 2018 10:57

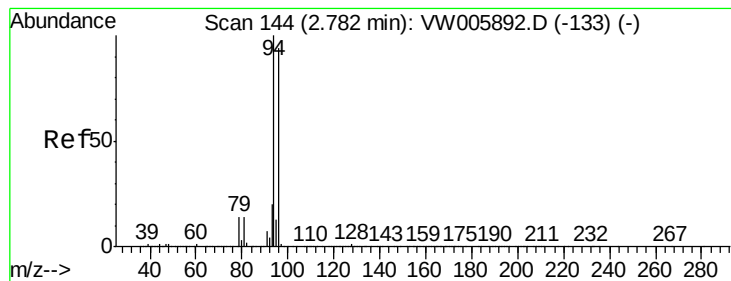
Tgt Ion: 62 Resp: 32506

Ion Ratio Lower Upper

62 100

64 32.2 24.6 36.8





#5

Bromomethane

Concen: 9.398 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW005887.D

Acq: 08 Oct 2018 10:57

Instrument :

MSVOA_W

ClientSampleId :

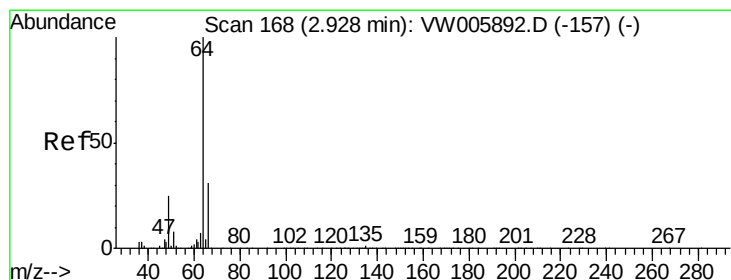
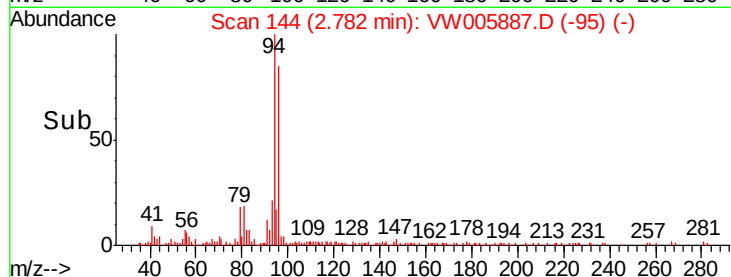
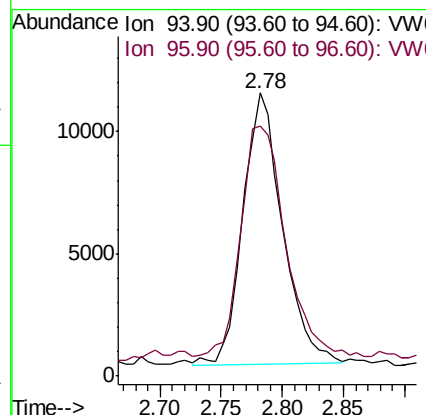
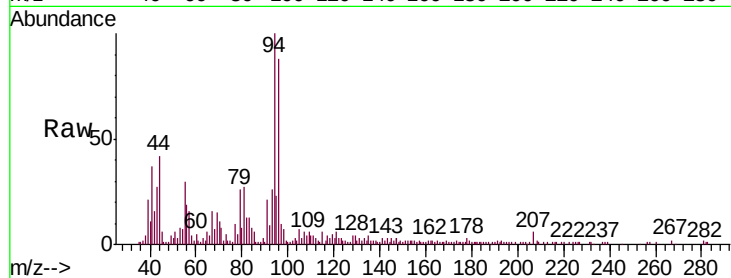
VSTDIC010

Tgt Ion: 94 Resp: 25031

Ion Ratio Lower Upper

94 100

96 85.2 75.0 112.4



#6

Chloroethane

Concen: 9.225 ug/l

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW005887.D

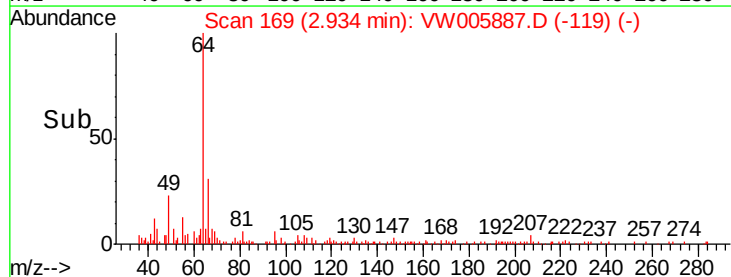
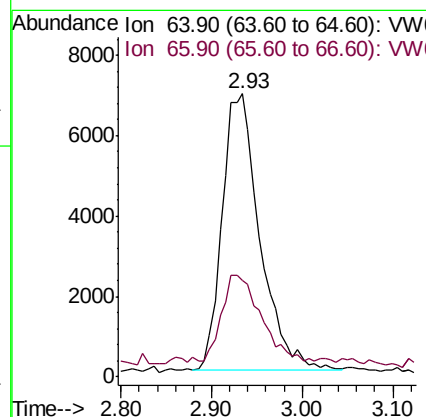
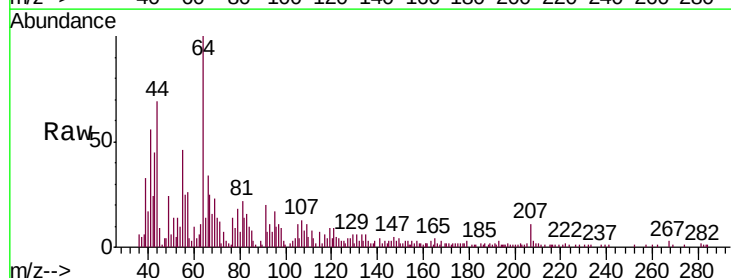
Acq: 08 Oct 2018 10:57

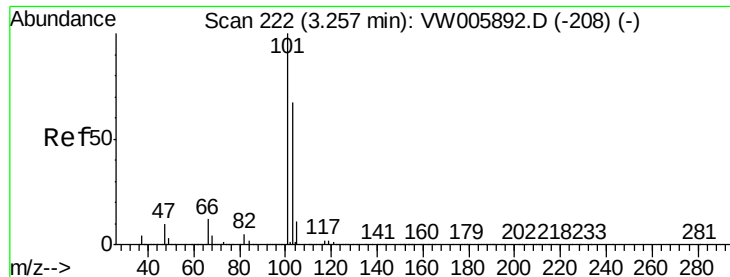
Tgt Ion: 64 Resp: 19836

Ion Ratio Lower Upper

64 100

66 28.5 25.0 37.4



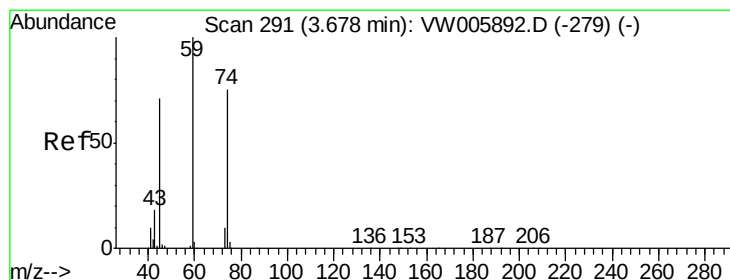
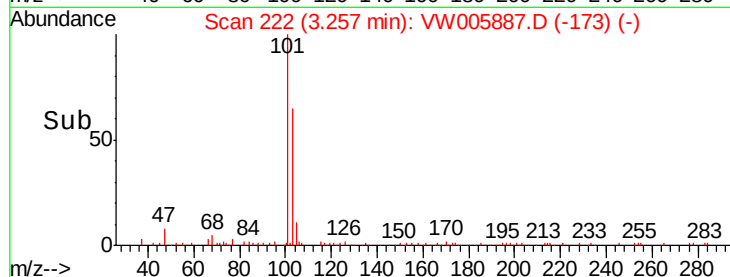
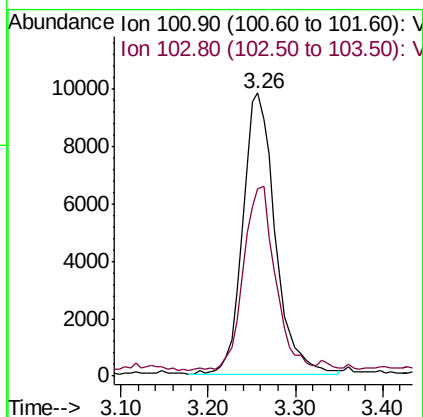
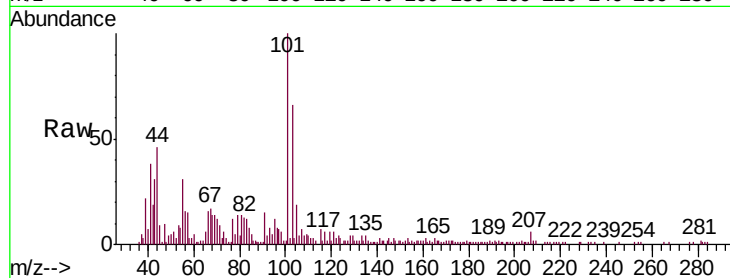


#7

Trichlorofluoromethane
Concen: 9.364 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.00 min
Lab File: VW005887.D
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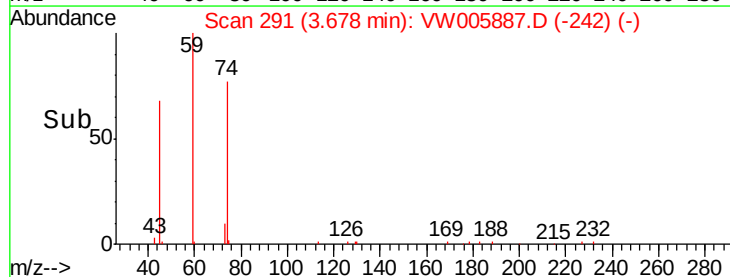
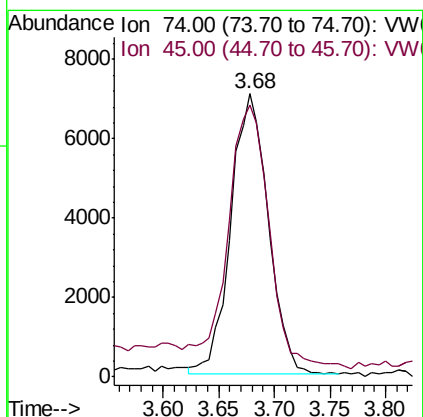
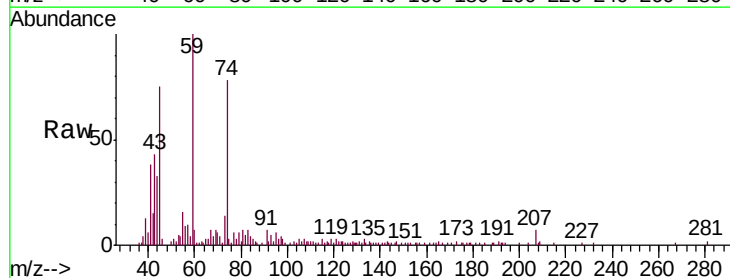
Tgt Ion: 101 Resp: 25087
Ion Ratio Lower Upper
101 100
103 64.8 53.5 80.3

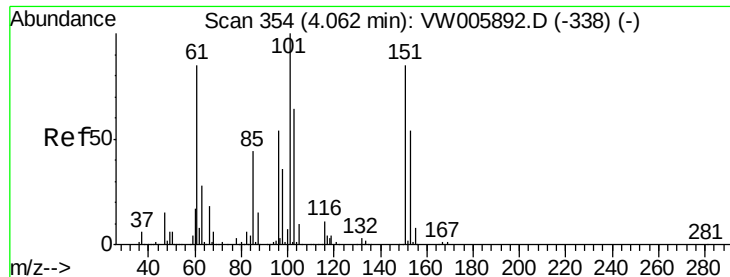


#8

Diethyl Ether
Concen: 9.945 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW005887.D
Acq: 08 Oct 2018 10:57

Tgt Ion: 74 Resp: 16396
Ion Ratio Lower Upper
74 100
45 103.6 46.8 140.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.137 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW005887.D

Acq: 08 Oct 2018 10:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

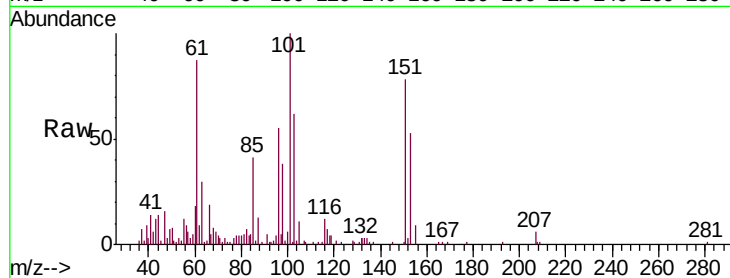
Tgt Ion:101 Resp: 34271

Ion Ratio Lower Upper

101 100

85 43.6 35.1 52.7

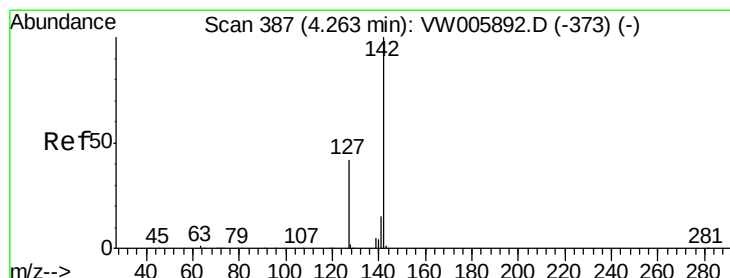
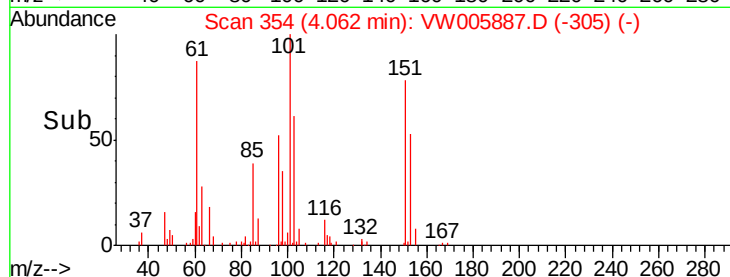
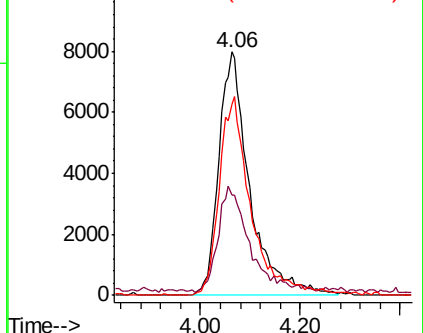
151 83.4 67.7 101.5



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: 9.959 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.00 min

Lab File: VW005887.D

Acq: 08 Oct 2018 10:57

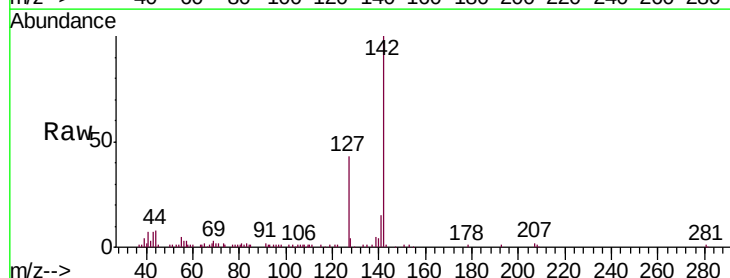
Tgt Ion:142 Resp: 55061

Ion Ratio Lower Upper

142 100

127 41.6 33.7 50.5

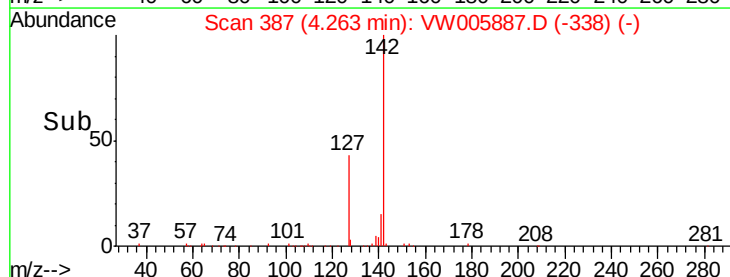
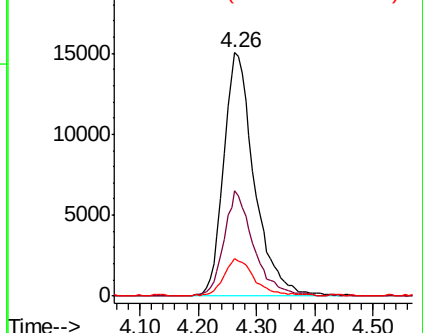
141 15.4 11.5 17.3

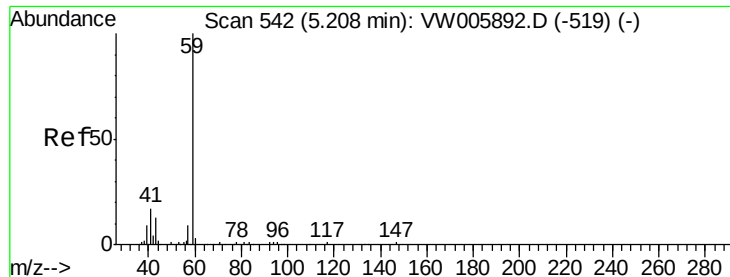


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 53.219 ug/l

RT: 5.20 min Scan# 540

Delta R.T. -0.01 min

Lab File: VW005887.D

Acq: 08 Oct 2018 10:57

Instrument :

MSVOA_W

ClientSampleId :

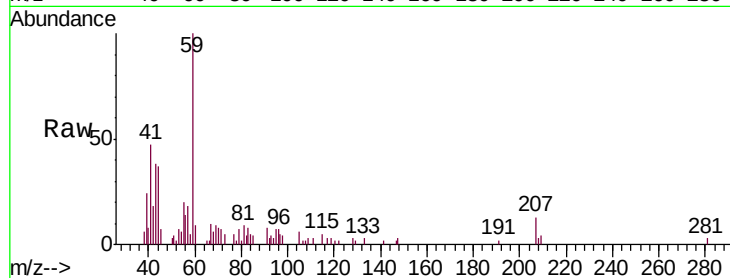
VSTDIC010

Tgt Ion: 59 Resp: 13964

Ion Ratio Lower Upper

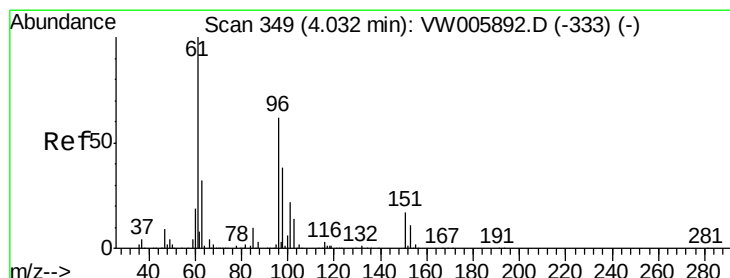
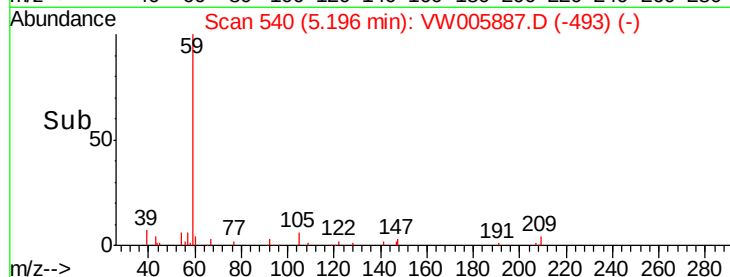
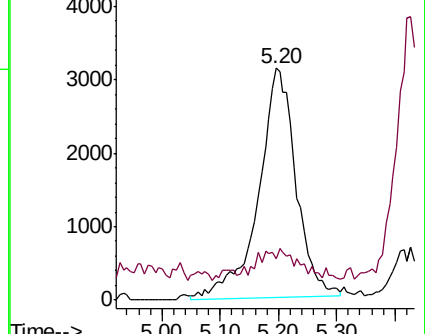
59 100

57 4.8 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#12

1,1-Dichloroethene

Concen: 10.096 ug/l

RT: 4.03 min Scan# 349

Delta R.T. -0.00 min

Lab File: VW005887.D

Acq: 08 Oct 2018 10:57

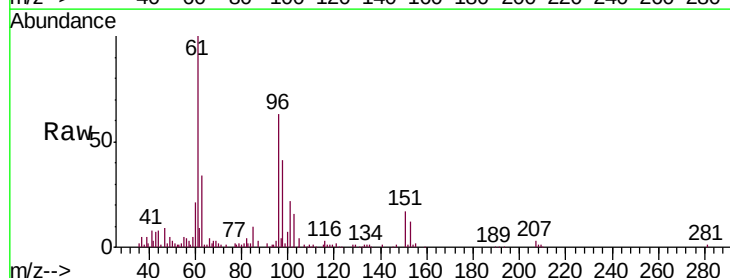
Tgt Ion: 96 Resp: 32776

Ion Ratio Lower Upper

96 100

61 159.9 128.6 193.0

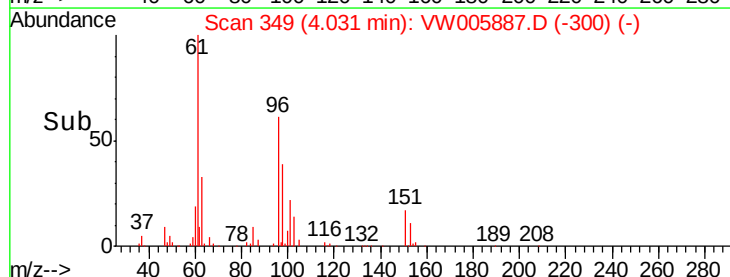
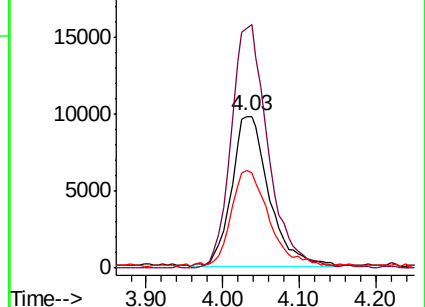
98 63.8 49.4 74.0

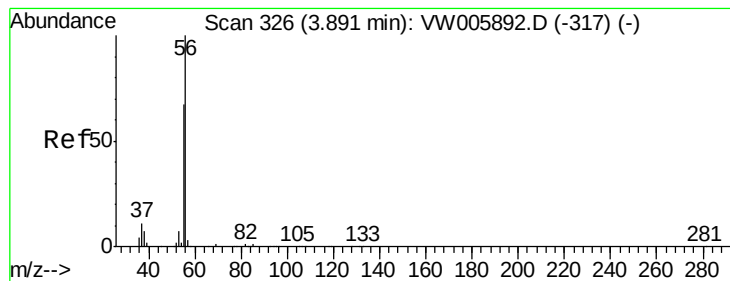


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW





#13

Acrolein

Concen: 60.251 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW005887.D

Acq: 08 Oct 2018 10:57

Instrument :

MSVOA_W

ClientSampleId :

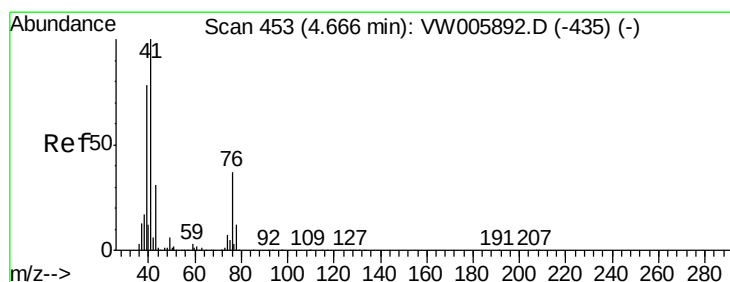
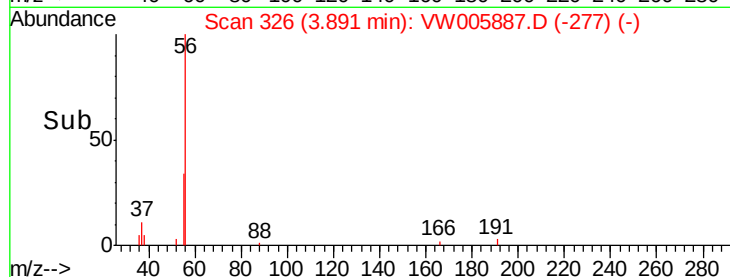
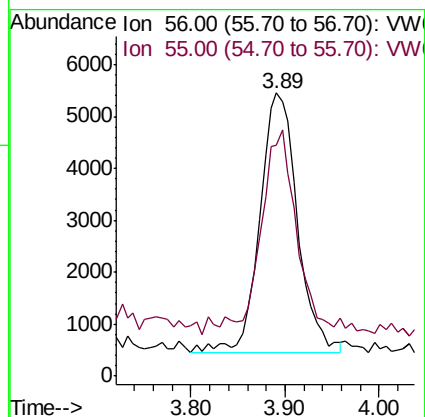
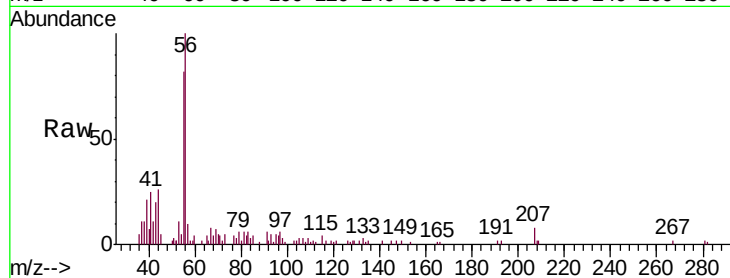
VSTDIC010

Tgt Ion: 56 Resp: 14088

Ion Ratio Lower Upper

56 100

55 76.6 54.6 82.0



#14

Allyl chloride

Concen: 10.284 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW005887.D

Acq: 08 Oct 2018 10:57

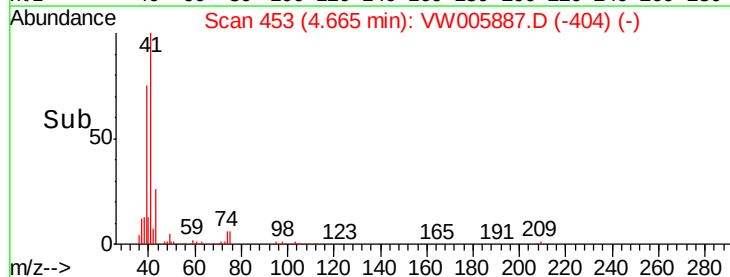
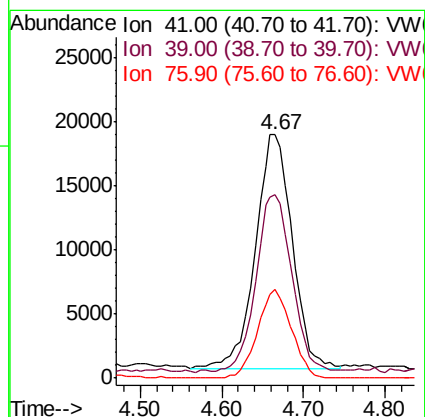
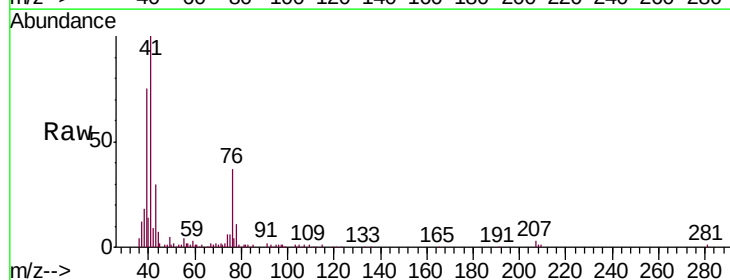
Tgt Ion: 41 Resp: 56938

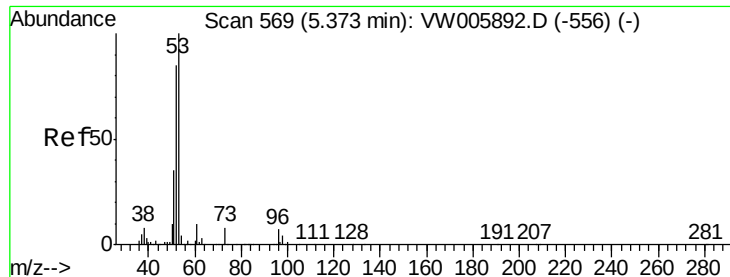
Ion Ratio Lower Upper

41 100

39 73.6 60.8 91.2

76 34.9 29.6 44.4





#15

Acrylonitrile

Concen: 51.186 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.00 min

Lab File: VW005887.D

Acq: 08 Oct 2018 10:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

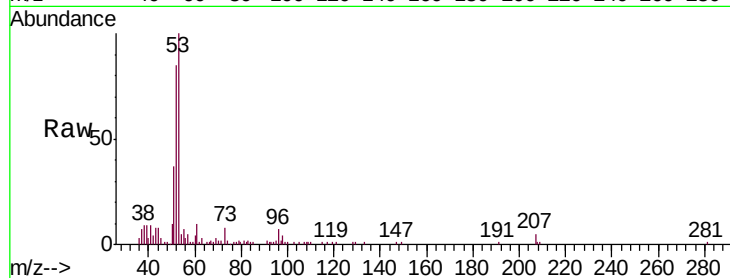
Tgt Ion: 53 Resp: 36727

Ion Ratio Lower Upper

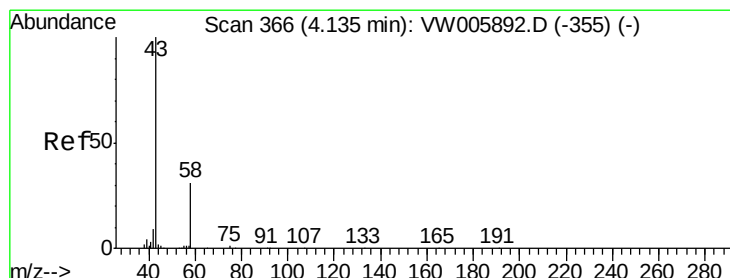
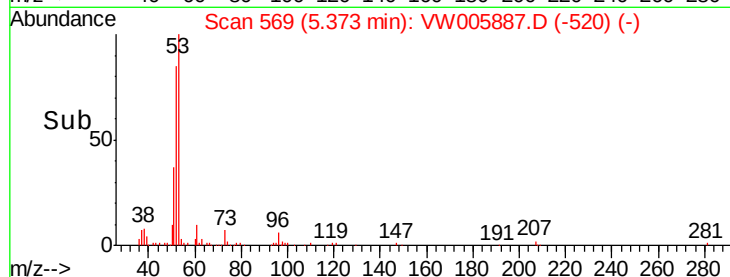
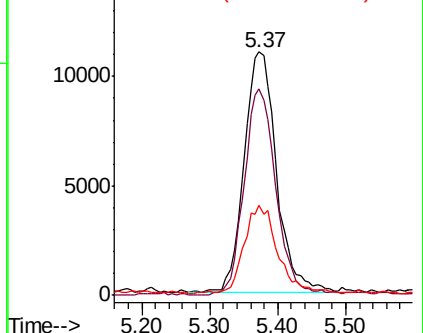
53 100

52 83.7 66.8 100.2

51 35.6 29.8 44.6



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



#16

Acetone

Concen: 55.208 ug/l

RT: 4.13 min Scan# 366

Delta R.T. -0.01 min

Lab File: VW005887.D

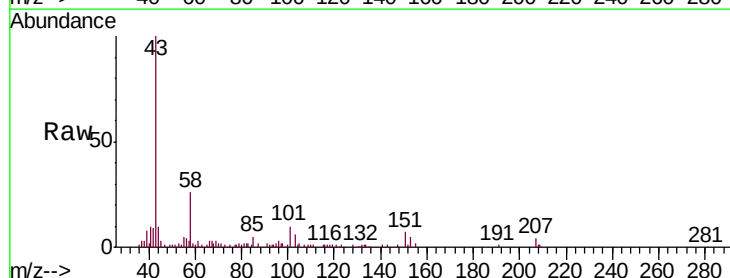
Acq: 08 Oct 2018 10:57

Tgt Ion: 43 Resp: 39480

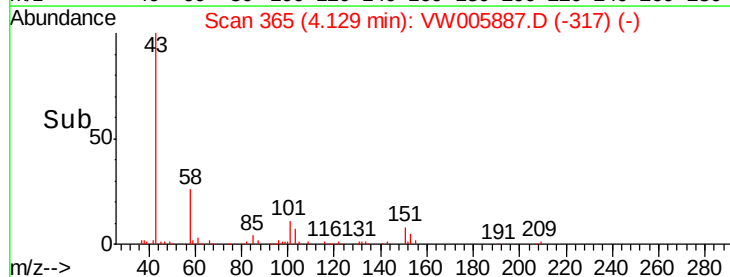
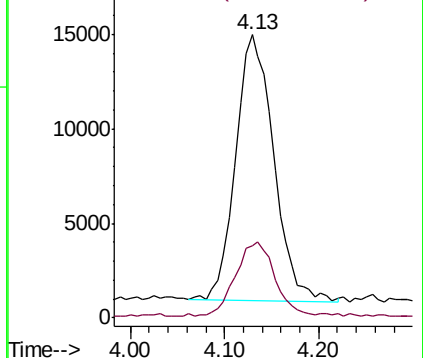
Ion Ratio Lower Upper

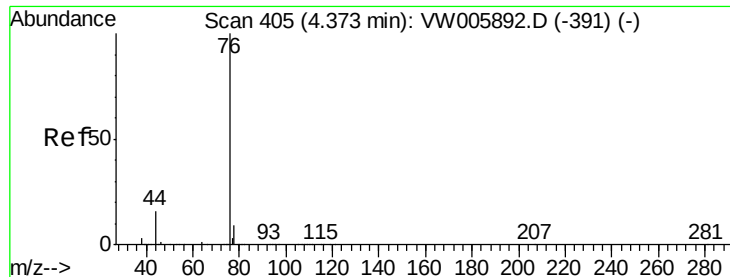
43 100

58 26.0 24.7 37.1



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





#17

Carbon Disulfide

Concen: 9.609 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW005887.D

Acq: 08 Oct 2018 10:57

Instrument :

MSVOA_W

ClientSampleId :

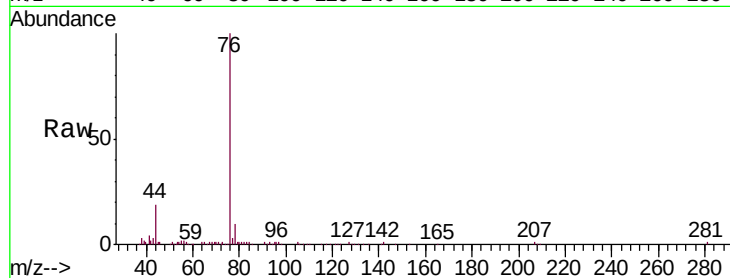
VSTDIC010

Tgt Ion: 76 Resp: 94316

Ion Ratio Lower Upper

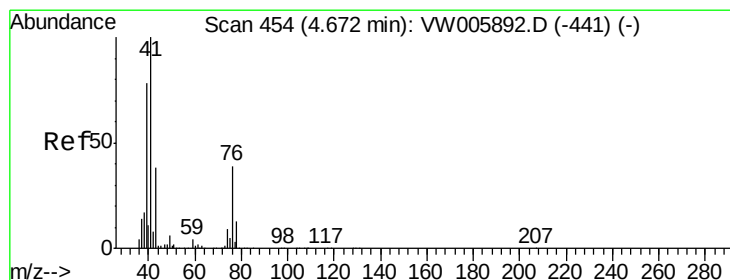
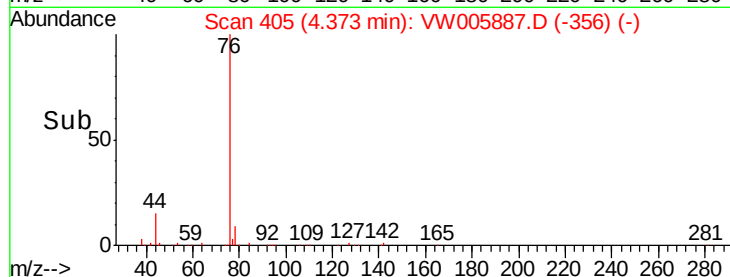
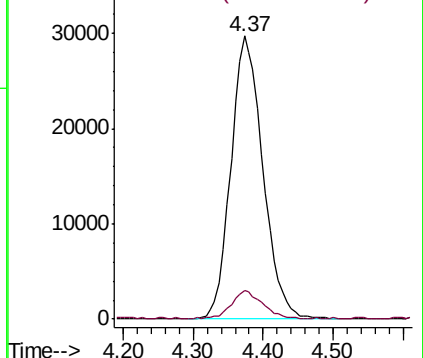
76 100

78 9.7 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 9.542 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW005887.D

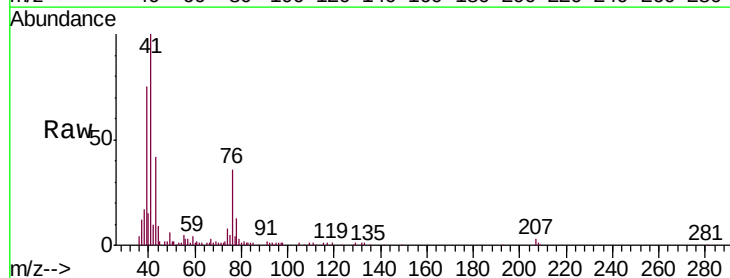
Acq: 08 Oct 2018 10:57

Tgt Ion: 43 Resp: 17219

Ion Ratio Lower Upper

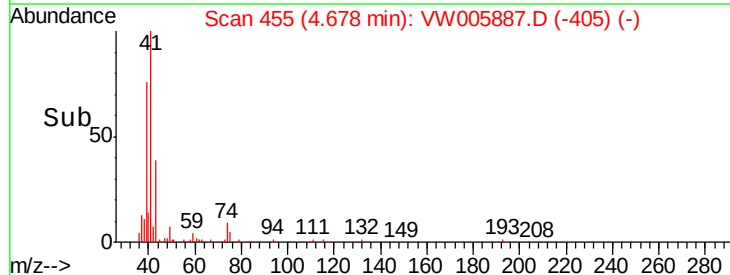
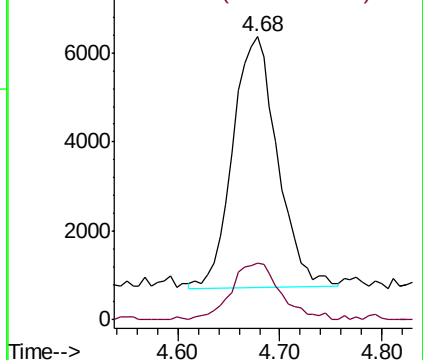
43 100

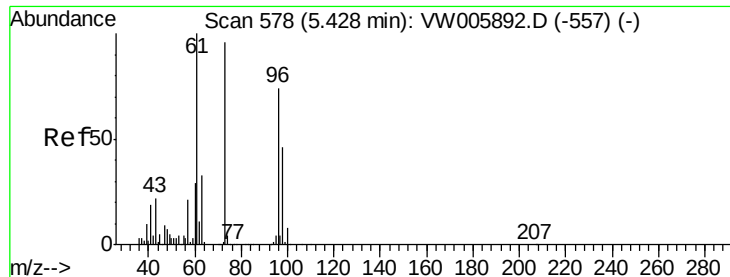
74 24.7 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



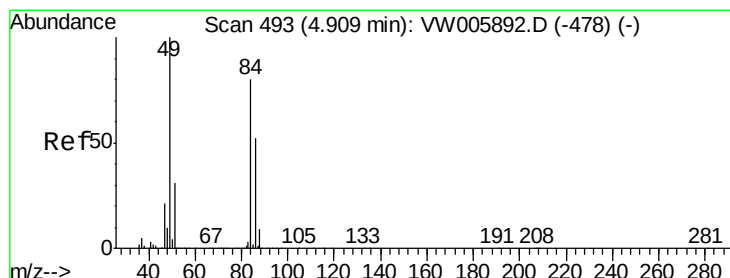
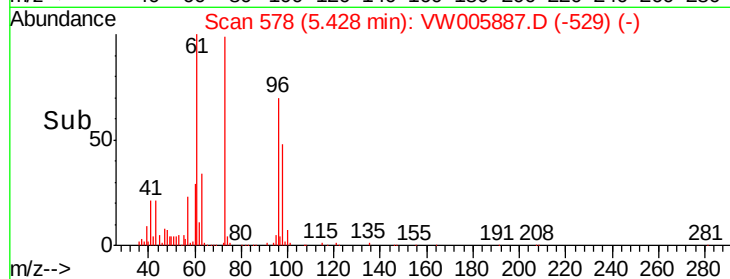
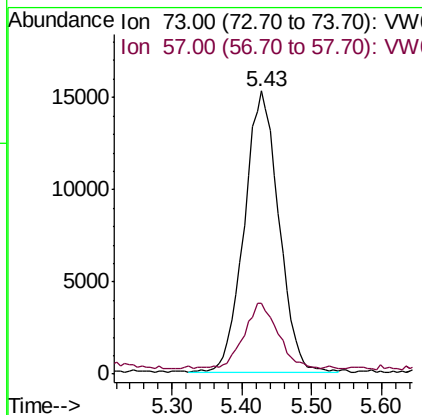
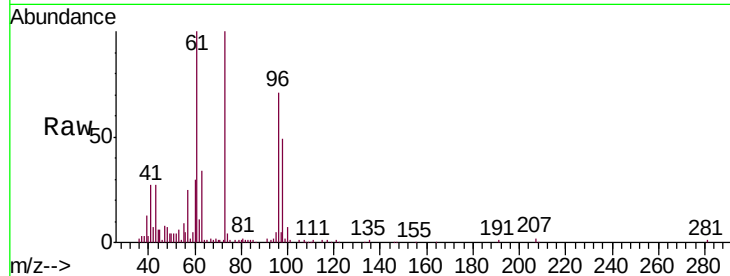


#19

Methyl tert-butyl Ether
 Concen: 10.337 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. -0.00 min
 Lab File: VW005887.D
 Acq: 08 Oct 2018 10:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

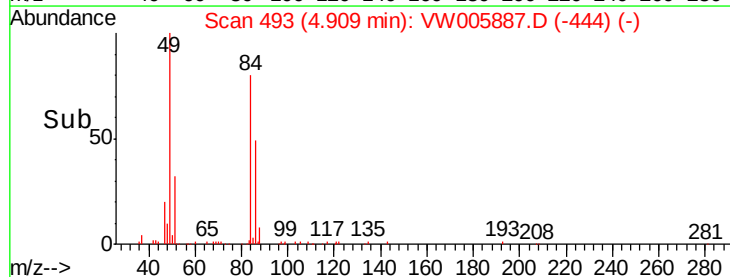
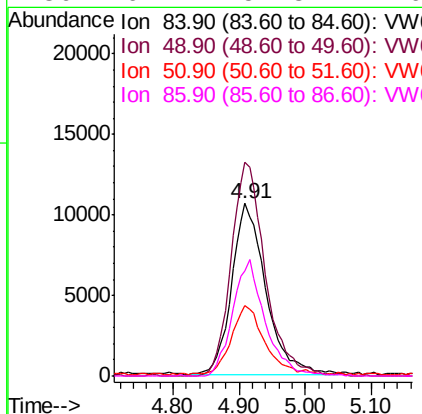
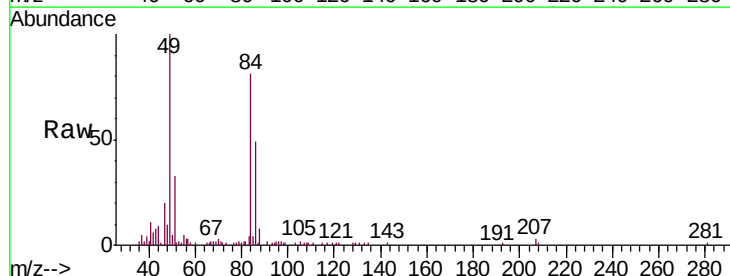
Tgt Ion: 73 Resp: 52212
 Ion Ratio Lower Upper
 73 100
 57 23.5 17.7 26.5

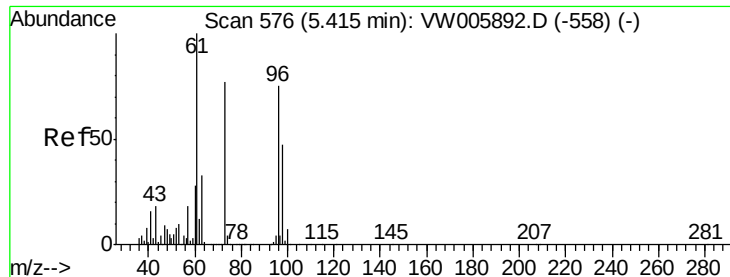


#20

Methylene Chloride
 Concen: 10.552 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.00 min
 Lab File: VW005887.D
 Acq: 08 Oct 2018 10:57

Tgt Ion: 84 Resp: 37807
 Ion Ratio Lower Upper
 84 100
 49 124.9 99.9 149.9
 51 39.9 31.1 46.7
 86 61.1 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 9.871 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW005887.D

Acq: 08 Oct 2018 10:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

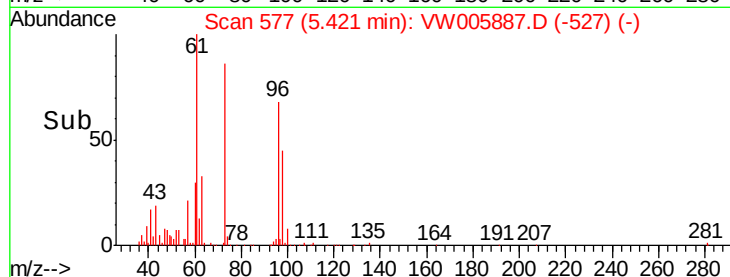
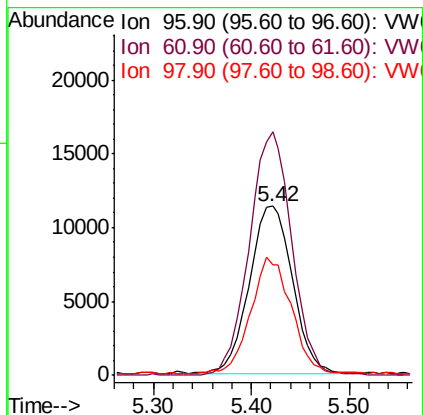
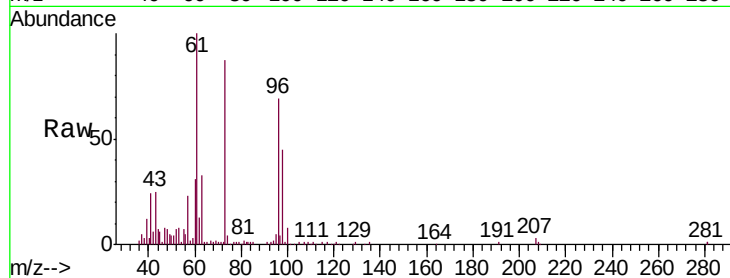
Tgt Ion: 96 Resp: 34929

Ion Ratio Lower Upper

96 100

61 145.3 107.4 161.0

98 64.8 50.8 76.2



#22

Diisopropyl ether

Concen: 10.262 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.01 min

Lab File: VW005887.D

Acq: 08 Oct 2018 10:57

Tgt Ion: 45 Resp: 106211

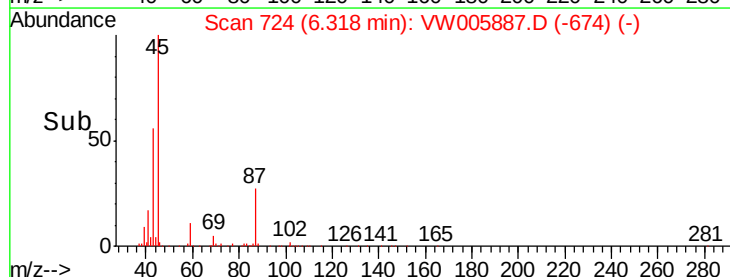
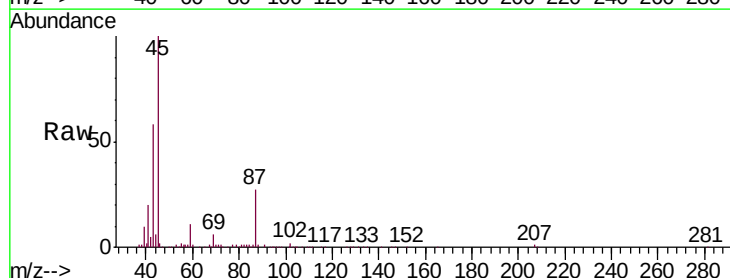
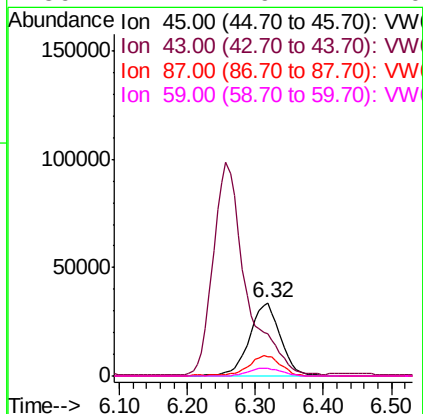
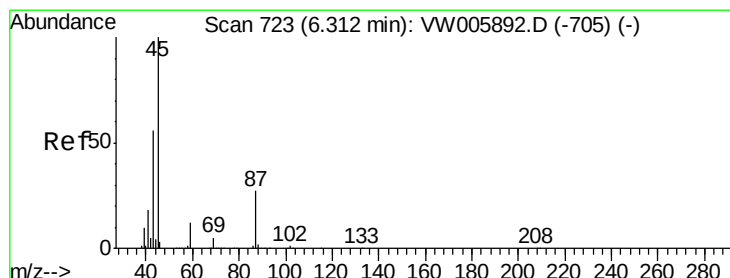
Ion Ratio Lower Upper

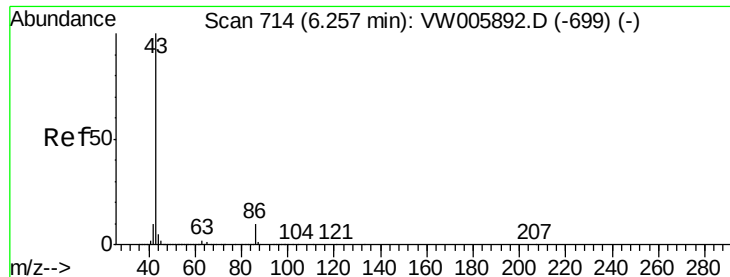
45 100

43 54.8 45.9 68.9

87 26.7 22.2 33.4

59 11.1 9.4 14.0

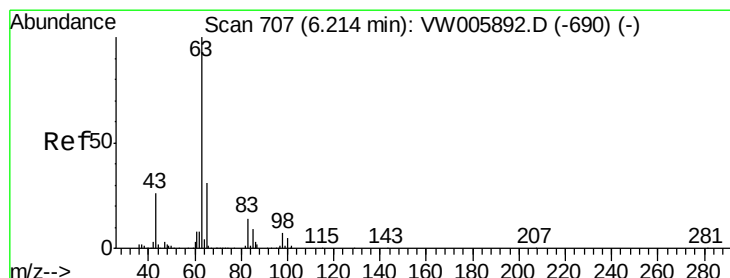
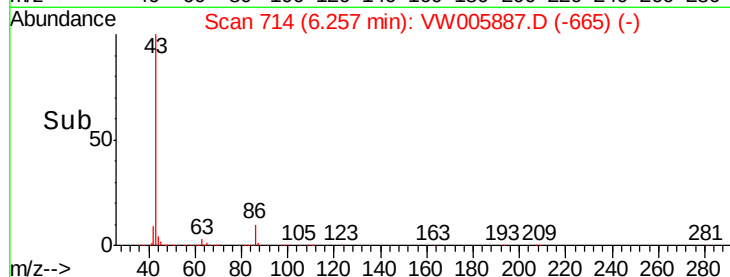
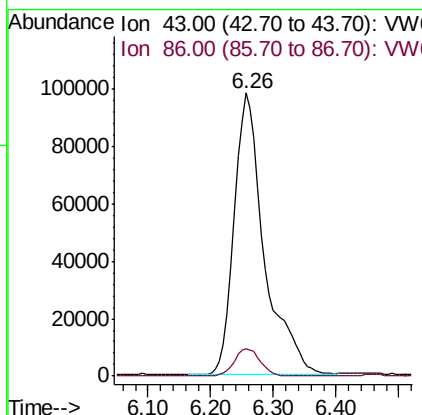
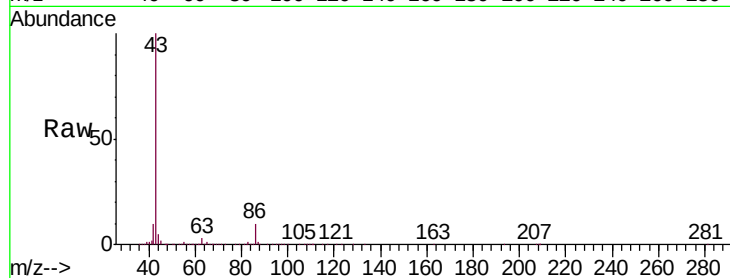




#23
 Vinyl Acetate
 Concen: 51.145 ug/l
 RT: 6.26 min Scan# 714
 Delta R.T. -0.00 min
 Lab File: VW005887.D
 Acq: 08 Oct 2018 10:57

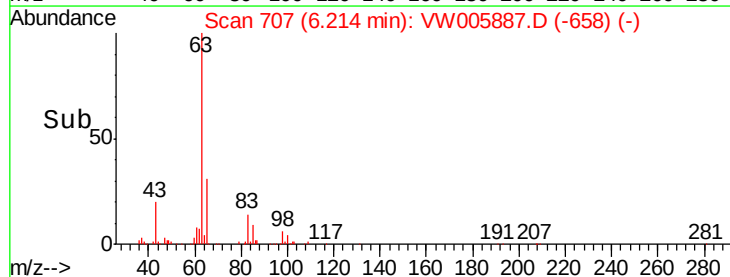
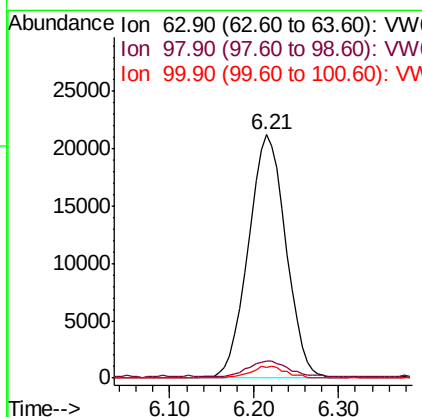
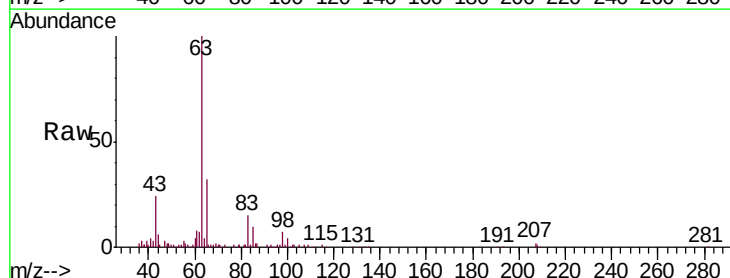
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

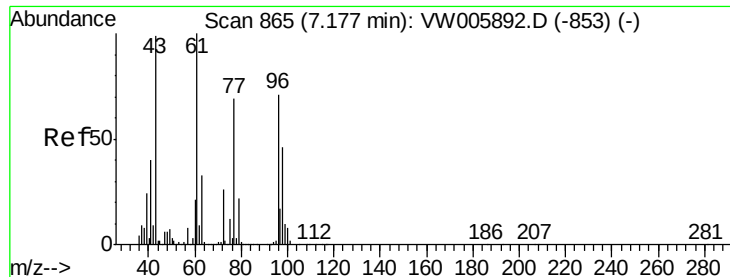
Tgt Ion: 43 Resp: 325801
 Ion Ratio Lower Upper
 43 100
 86 9.9 8.2 12.4



#24
 1,1-Dichloroethane
 Concen: 10.188 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW005887.D
 Acq: 08 Oct 2018 10:57

Tgt Ion: 63 Resp: 64528
 Ion Ratio Lower Upper
 63 100
 98 6.1 3.5 10.6
 100 4.4 2.4 7.1





#25

2-Butanone

Concen: 53.002 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW005887.D

Acq: 08 Oct 2018 10:57

Instrument :

MSVOA_W

ClientSampleId :

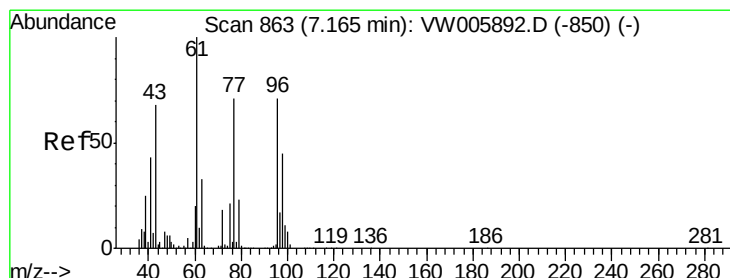
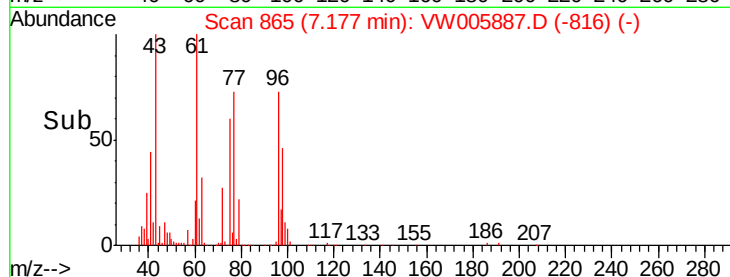
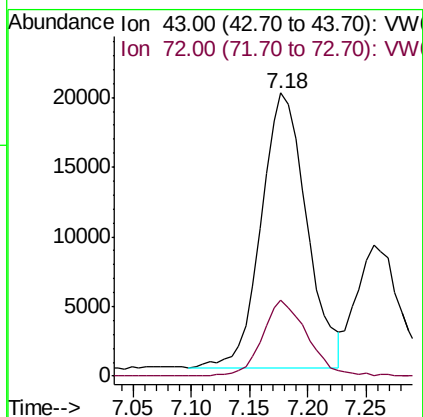
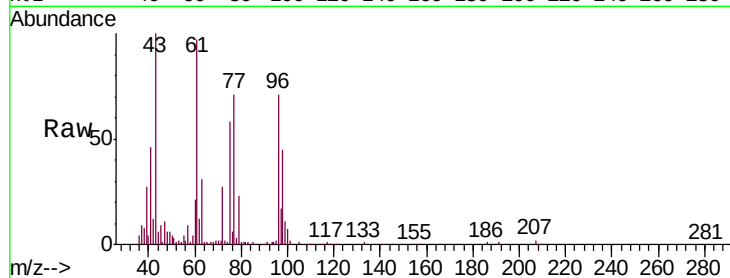
VSTDIC010

Tgt Ion: 43 Resp: 53910

Ion Ratio Lower Upper

43 100

72 27.5 21.0 31.4



#26

2,2-Dichloropropane

Concen: 10.693 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW005887.D

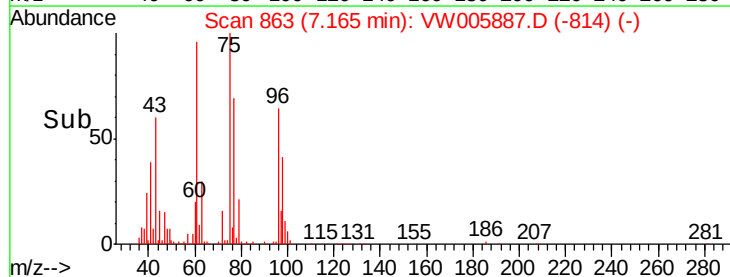
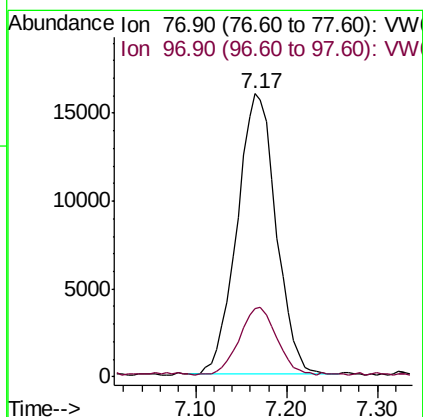
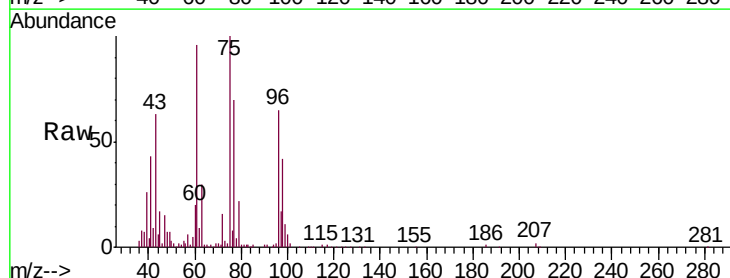
Acq: 08 Oct 2018 10:57

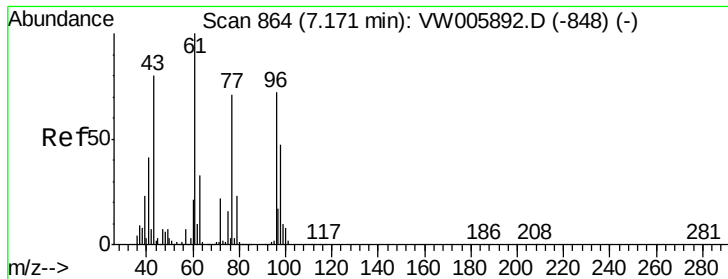
Tgt Ion: 77 Resp: 47663

Ion Ratio Lower Upper

77 100

97 23.0 11.9 35.7





#27

cis-1,2-Dichloroethene

Concen: 10.173 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

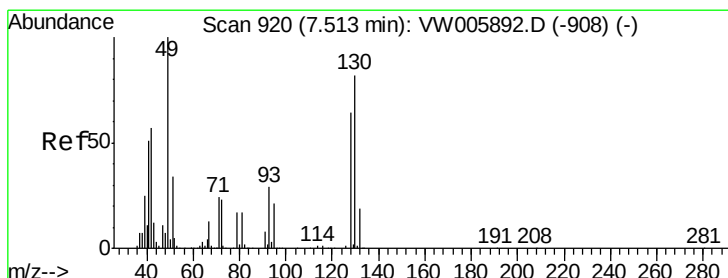
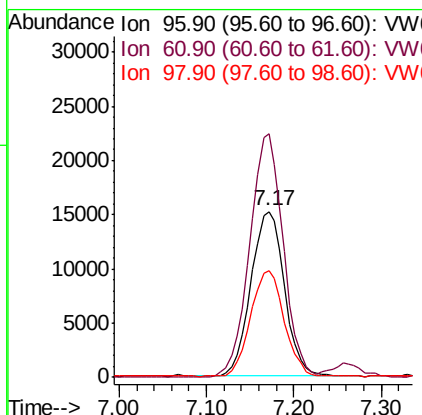
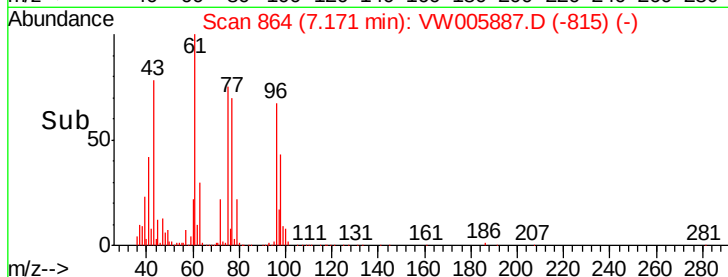
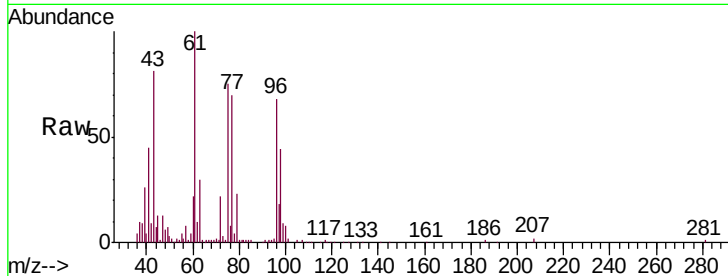
Lab File: VW005887.D

Acq: 08 Oct 2018 10:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion: 96 Resp: 40711

Ion	Ratio	Lower	Upper
96	100		
61	147.1	0.0	284.0
98	64.6	0.0	129.8



#28

Bromochloromethane

Concen: 10.334 ug/l

RT: 7.51 min Scan# 920

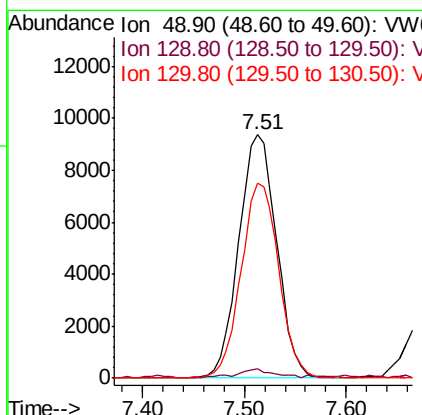
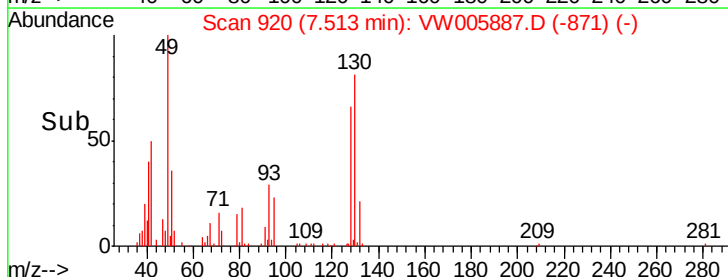
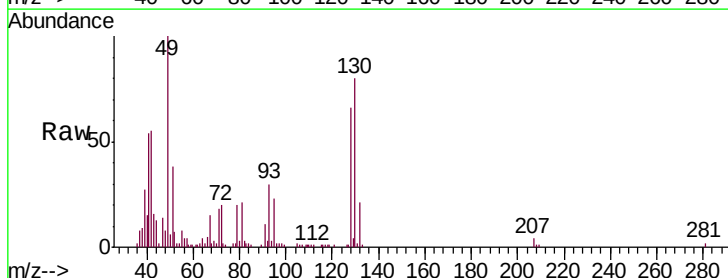
Delta R.T. -0.00 min

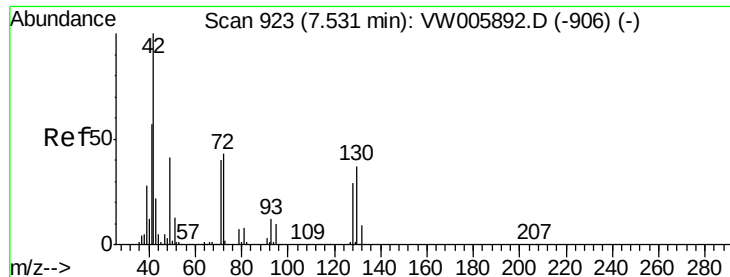
Lab File: VW005887.D

Acq: 08 Oct 2018 10:57

Tgt Ion: 49 Resp: 24159

Ion	Ratio	Lower	Upper
49	100		
129	3.8	0.0	5.0
130	79.8	66.9	100.3





#29

Tetrahydrofuran

Concen: 50.042 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW005887.D

Acq: 08 Oct 2018 10:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

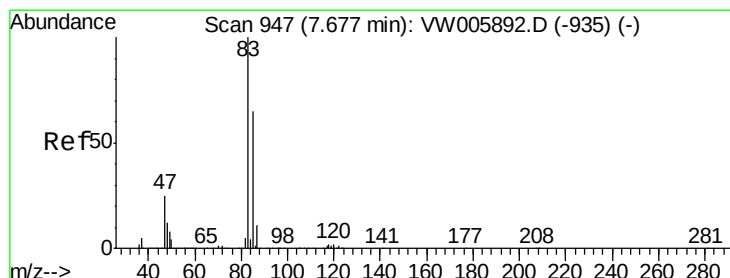
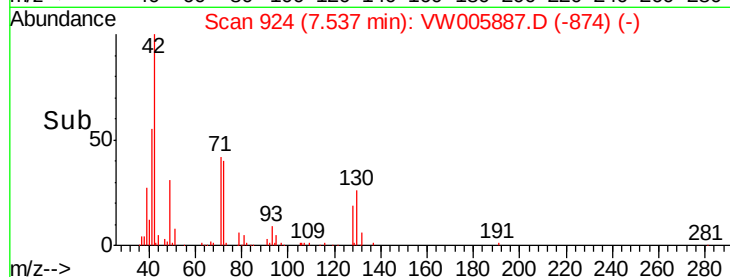
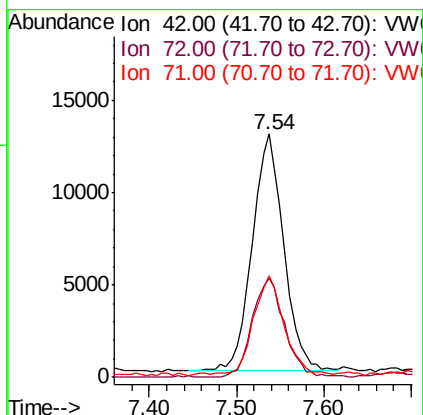
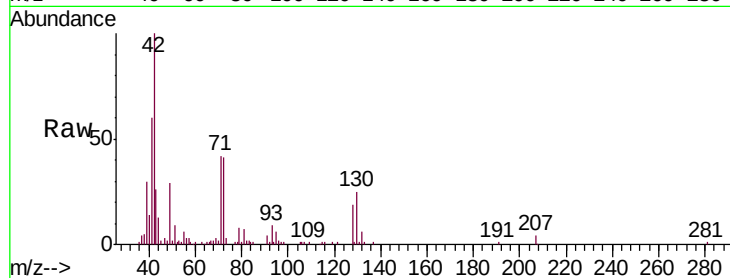
Tgt Ion: 42 Resp: 32176

Ion Ratio Lower Upper

42 100

72 43.0 34.6 51.8

71 39.8 32.6 49.0



#30

Chloroform

Concen: 10.137 ug/l

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW005887.D

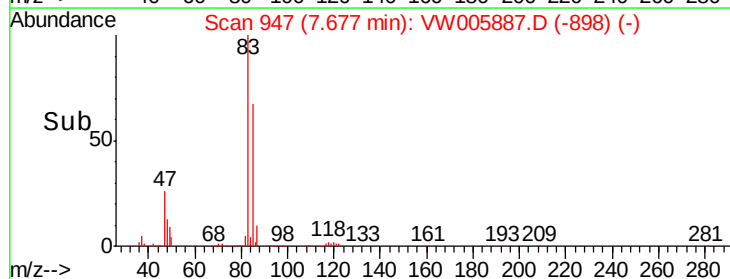
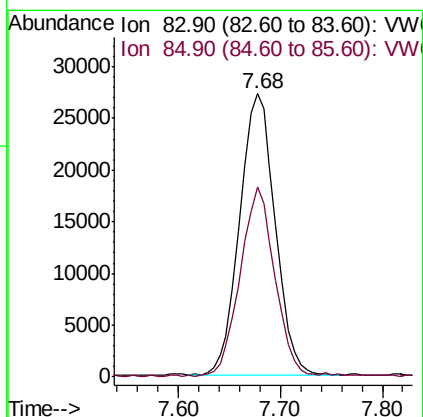
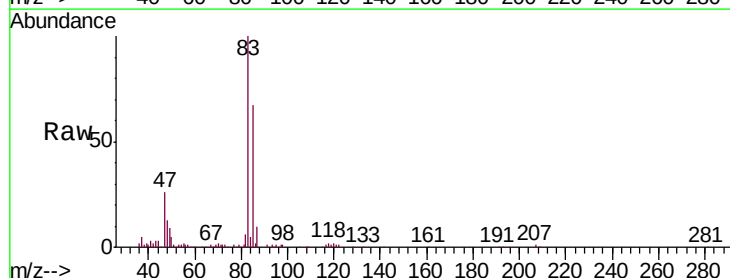
Acq: 08 Oct 2018 10:57

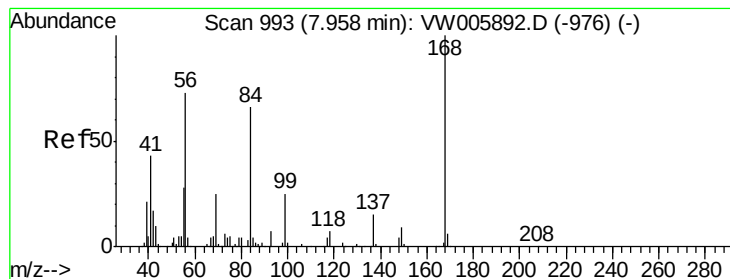
Tgt Ion: 83 Resp: 65949

Ion Ratio Lower Upper

83 100

85 67.0 51.6 77.4





#31

Cyclohexane

Concen: 10.333 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW005887.D

Acq: 08 Oct 2018 10:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

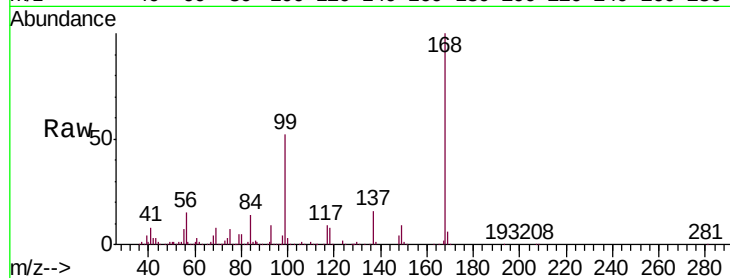
Tgt Ion: 56 Resp: 64762

Ion Ratio Lower Upper

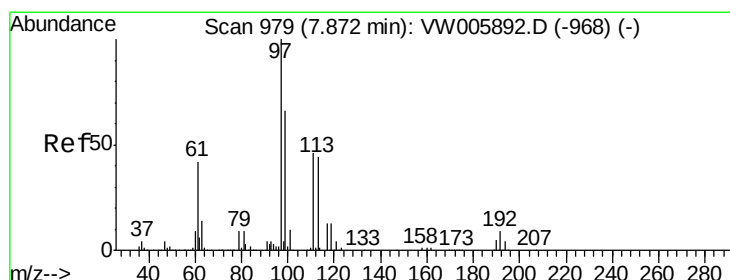
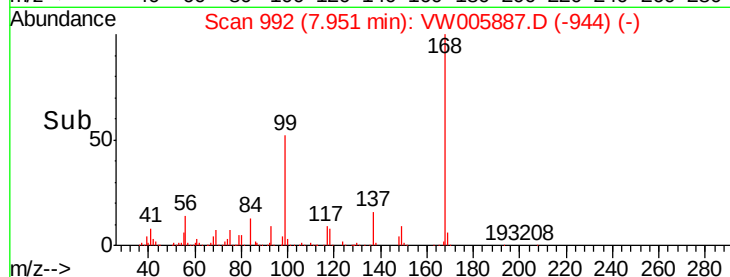
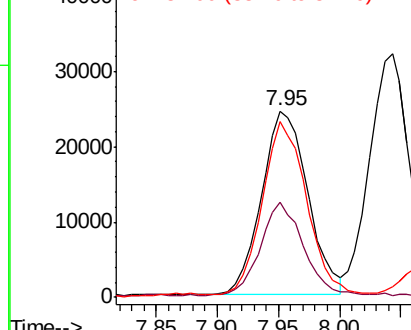
56 100

69 50.6 27.9 41.9#

84 93.4 72.3 108.5



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: 10.278 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW005887.D

Acq: 08 Oct 2018 10:57

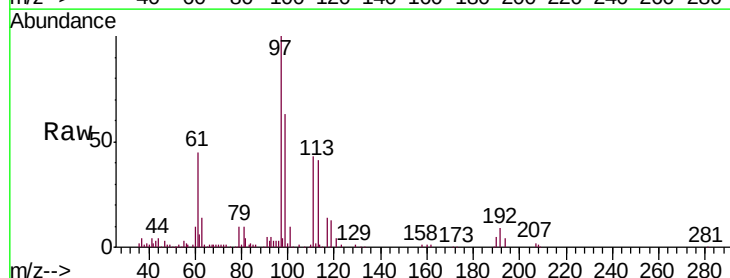
Tgt Ion: 97 Resp: 59544

Ion Ratio Lower Upper

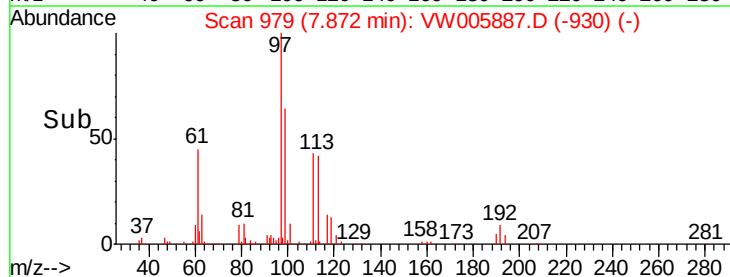
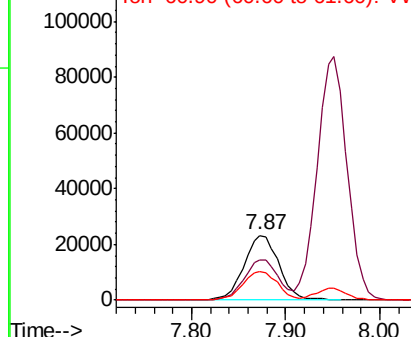
97 100

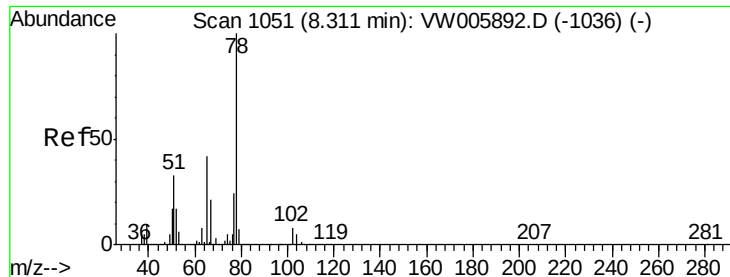
99 62.5 51.6 77.4

61 44.3 34.5 51.7



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

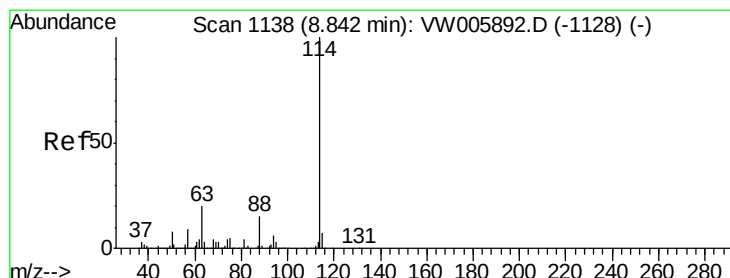
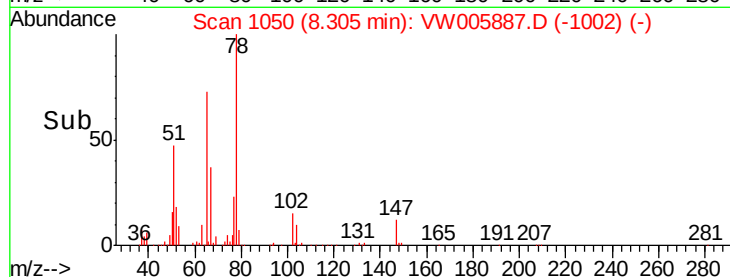
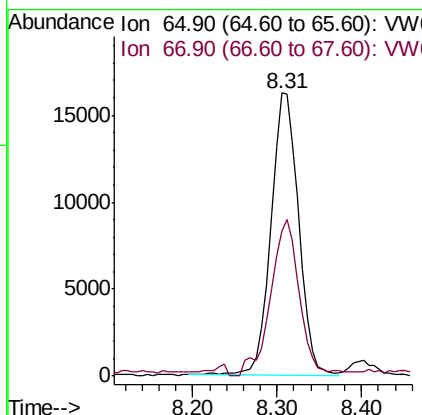
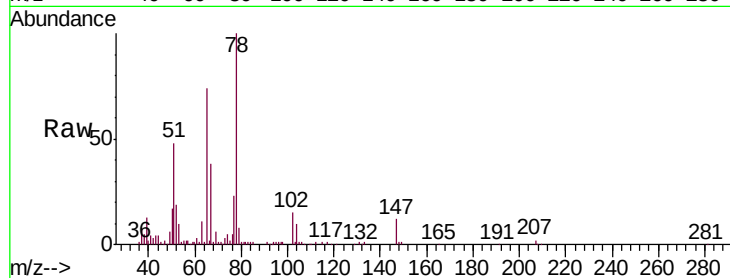




#33
 1,2-Dichloroethane-d4
 Concen: 10.305 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW005887.D
 Acq: 08 Oct 2018 10:57

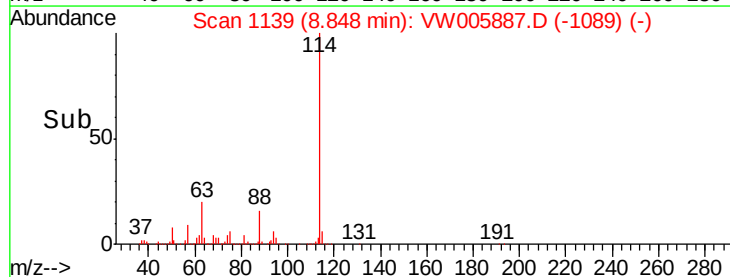
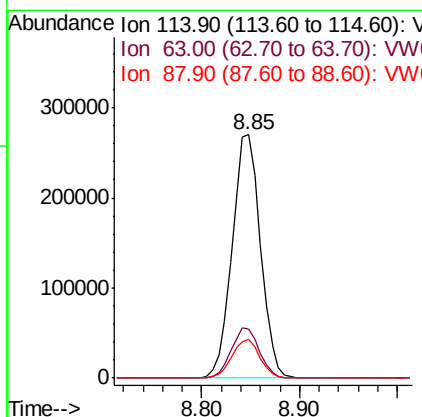
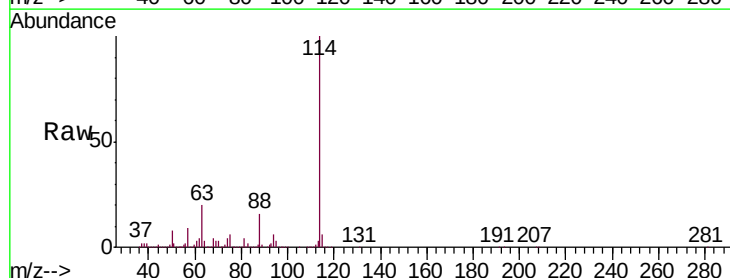
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

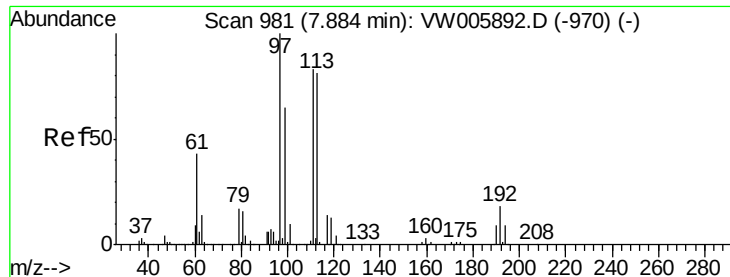
Tgt Ion: 65 Resp: 36895
 Ion Ratio Lower Upper
 65 100
 67 58.9 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VW005887.D
 Acq: 08 Oct 2018 10:57

Tgt Ion: 114 Resp: 540699
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 39.2
 88 15.8 0.0 30.8





#35

Dibromofluoromethane

Concen: 10.218 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.01 min

Lab File: VW005887.D

Acq: 08 Oct 2018 10:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

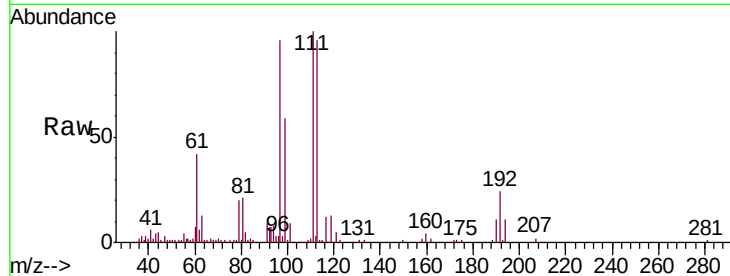
Tgt Ion:113 Resp: 35275

Ion Ratio Lower Upper

113 100

111 102.7 82.0 123.0

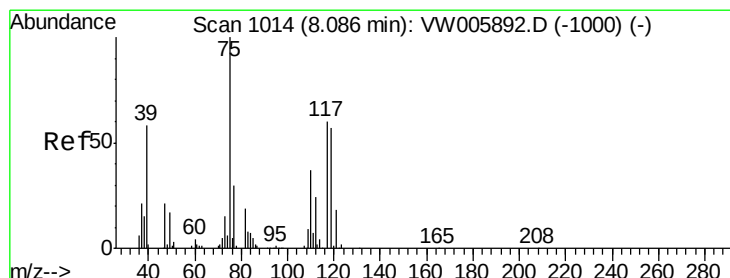
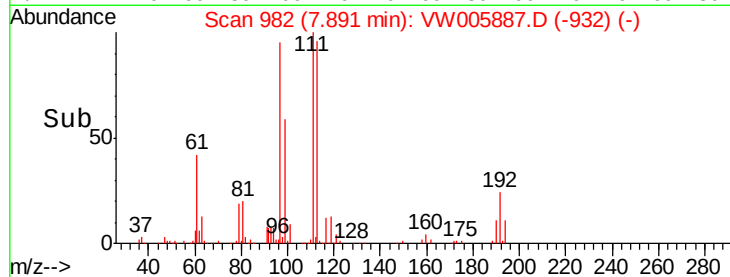
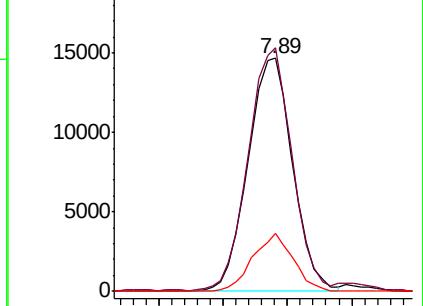
192 22.5 18.3 27.5



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: 10.075 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VW005887.D

Acq: 08 Oct 2018 10:57

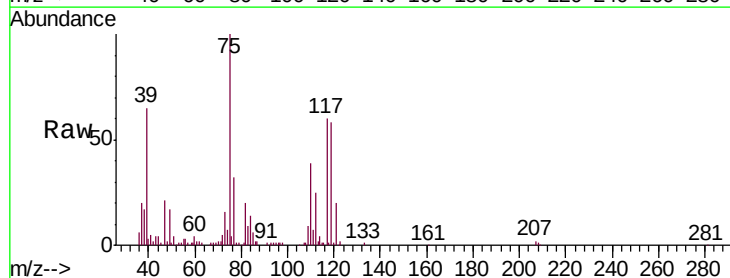
Tgt Ion: 75 Resp: 52196

Ion Ratio Lower Upper

75 100

110 37.3 18.6 56.0

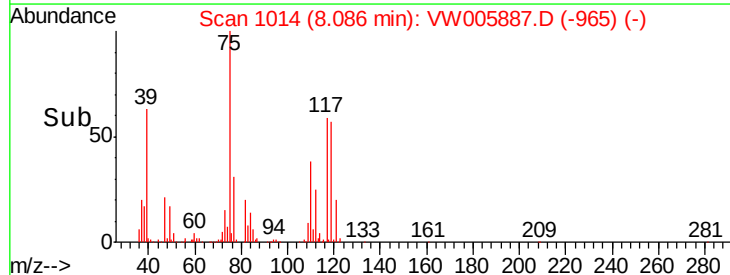
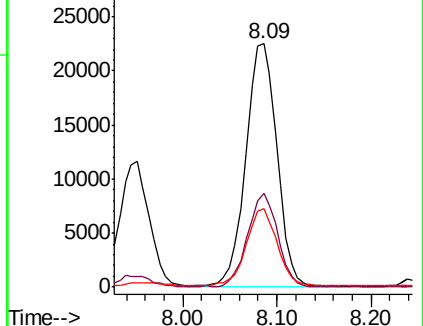
77 30.7 24.7 37.1

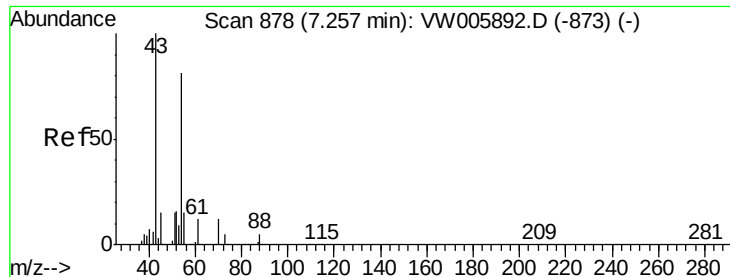


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

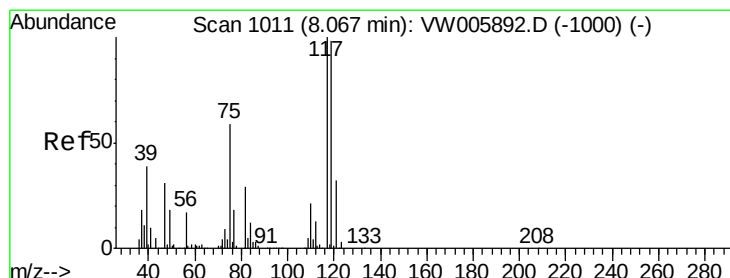
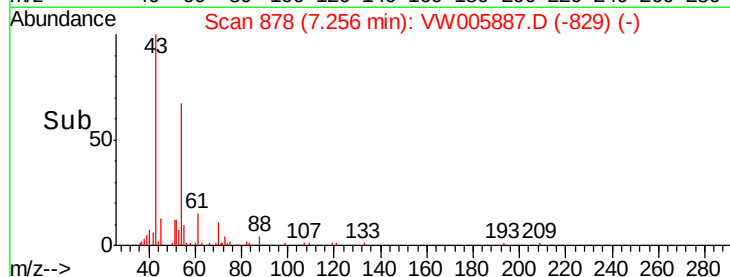
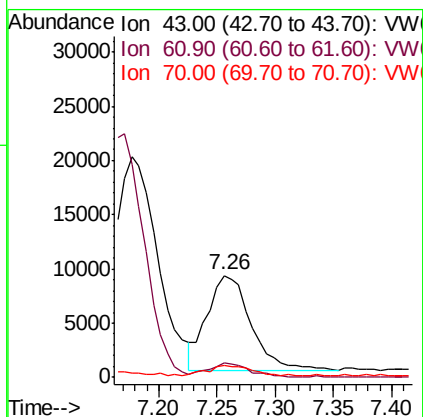
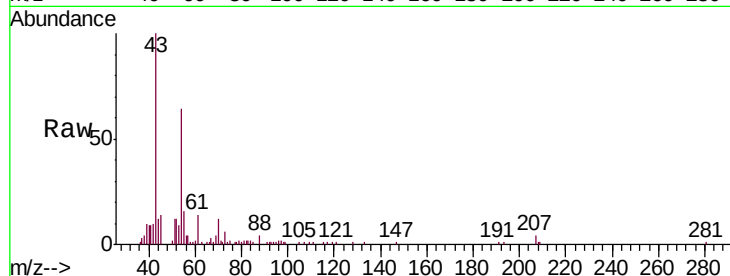




#37
Ethyl Acetate
Concen: 10.428 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.00 min
Lab File: VW005887.D
Acq: 08 Oct 2018 10:57

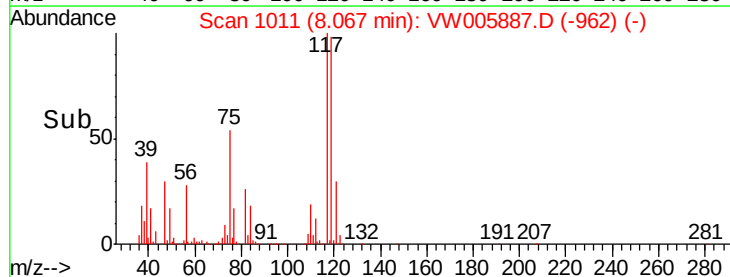
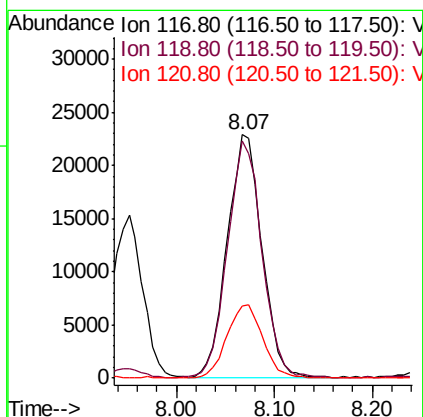
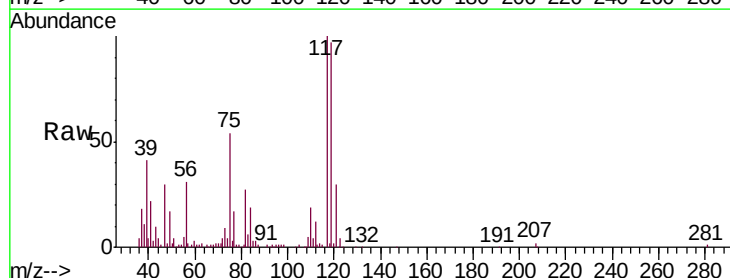
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

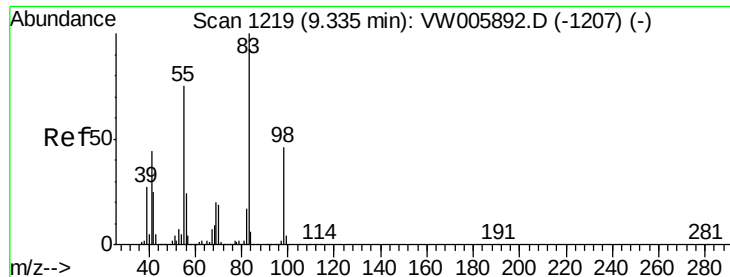
Tgt Ion: 43 Resp: 22879
Ion Ratio Lower Upper
43 100
61 14.2 10.6 16.0
70 11.1 8.6 13.0



#38
Carbon Tetrachloride
Concen: 10.017 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW005887.D
Acq: 08 Oct 2018 10:57

Tgt Ion: 117 Resp: 55760
Ion Ratio Lower Upper
117 100
119 97.5 78.6 117.8
121 30.0 25.3 37.9

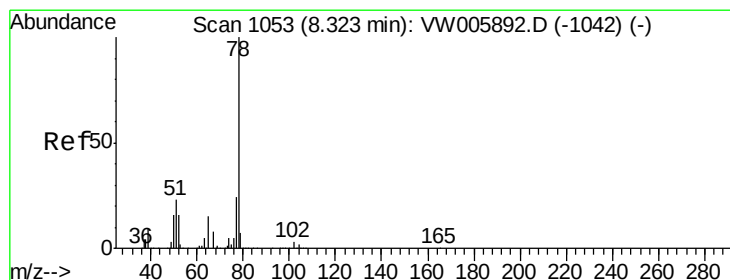
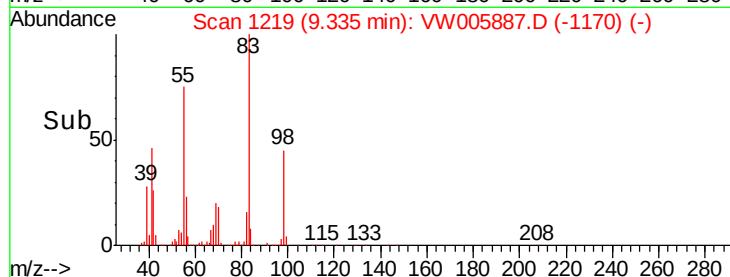
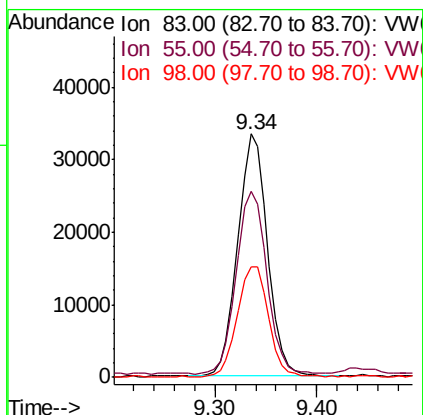
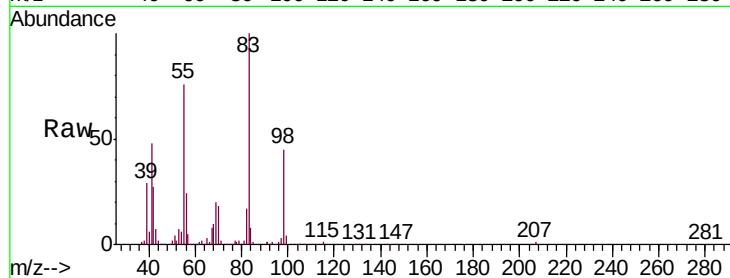




#39
Methylcyclohexane
Concen: 9.855 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW005887.D
Acq: 08 Oct 2018 10:57

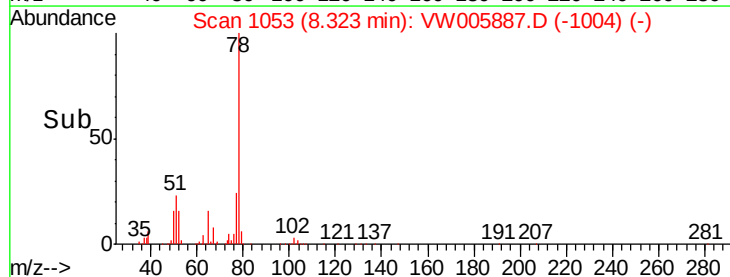
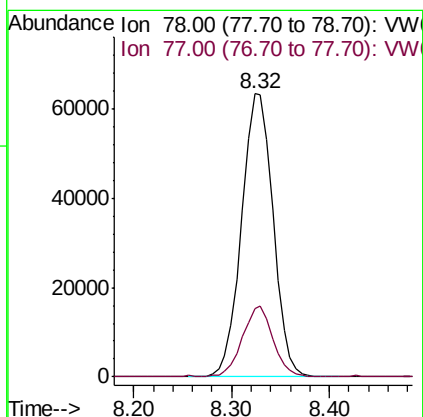
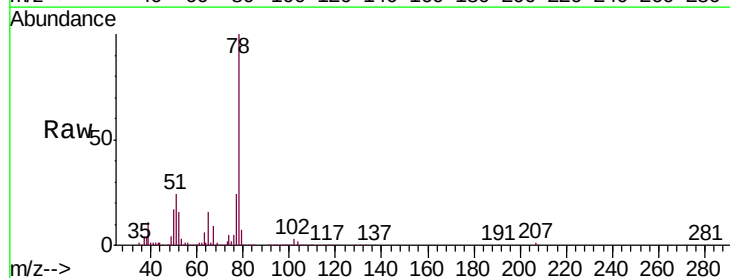
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

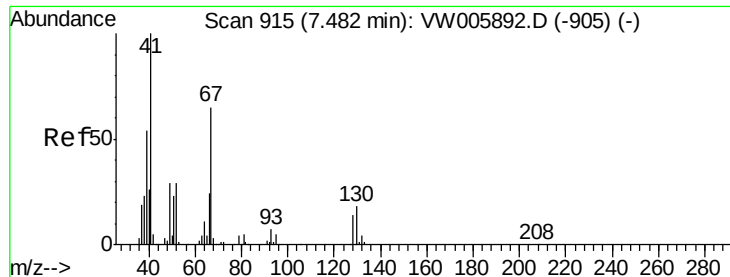
Tgt Ion: 83 Resp: 67341
Ion Ratio Lower Upper
83 100
55 75.1 59.8 89.6
98 45.1 37.1 55.7



#40
Benzene
Concen: 10.030 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW005887.D
Acq: 08 Oct 2018 10:57

Tgt Ion: 78 Resp: 142223
Ion Ratio Lower Upper
78 100
77 23.8 19.1 28.7





#41

Methacrylonitrile

Concen: 9.995 ug/l

RT: 7.49 min Scan# 917

Delta R.T. 0.01 min

Lab File: VW005887.D

Acq: 08 Oct 2018 10:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tgt Ion: 41 Resp: 13729

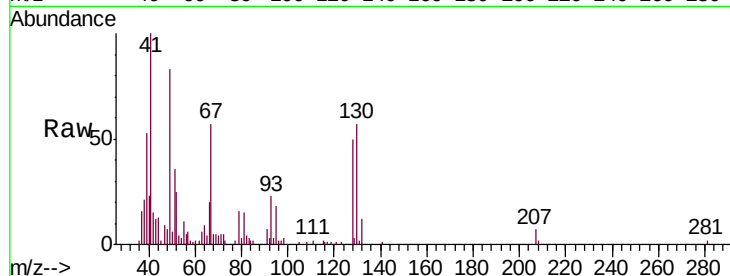
Ion Ratio Lower Upper

41 100

39 61.2 45.0 67.4

67 71.6 55.8 83.8

52 33.0 25.3 37.9

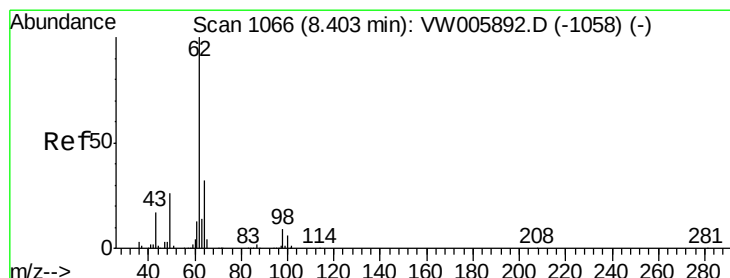
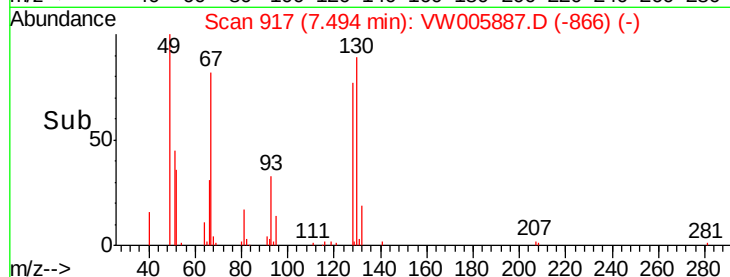
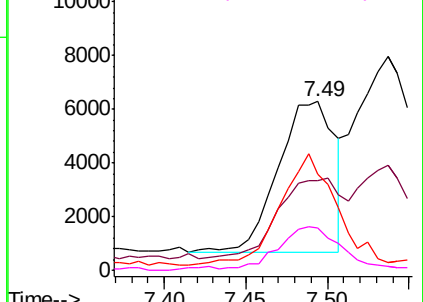


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 10.060 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW005887.D

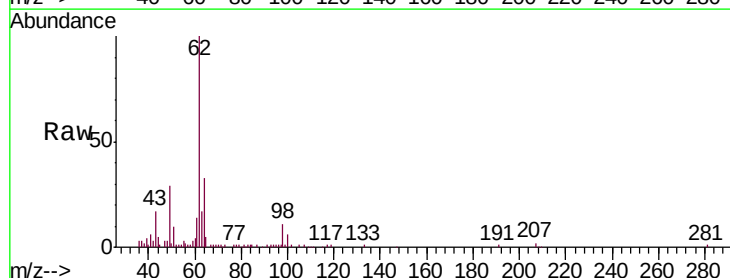
Acq: 08 Oct 2018 10:57

Tgt Ion: 62 Resp: 43098

Ion Ratio Lower Upper

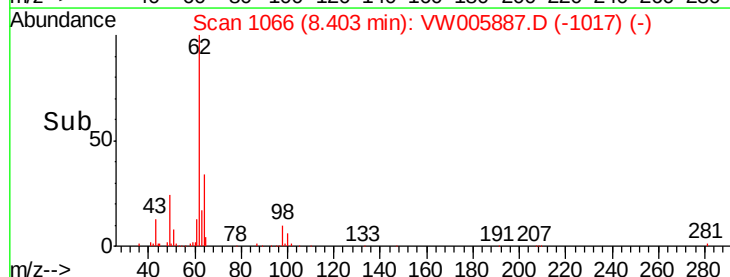
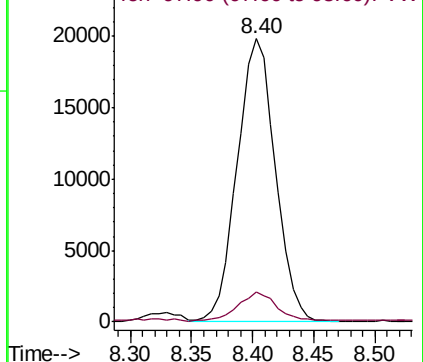
62 100

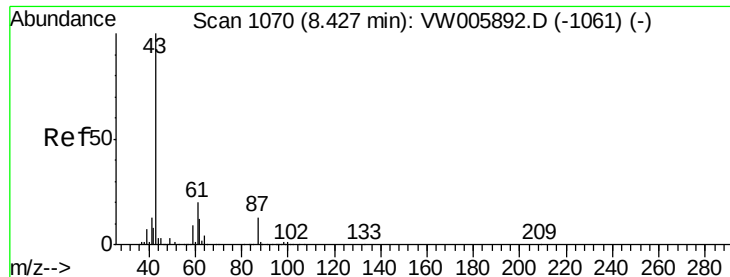
98 10.0 0.0 18.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 9.860 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW005887.D

Acq: 08 Oct 2018 10:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

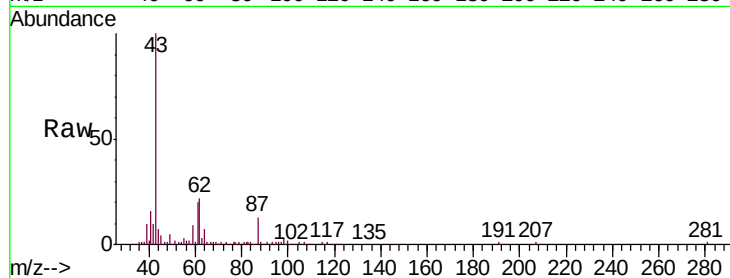
Tgt Ion: 43 Resp: 45187

Ion Ratio Lower Upper

43 100

61 30.1 23.1 34.7

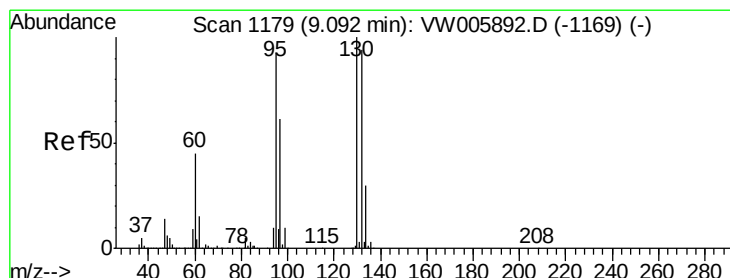
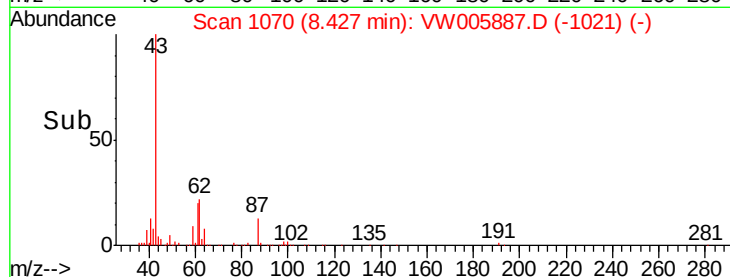
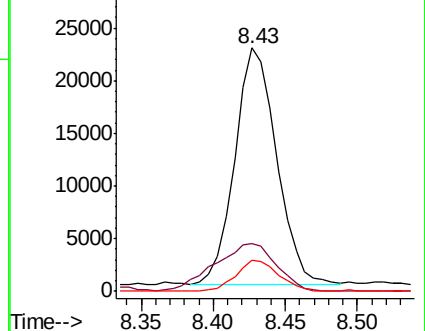
87 13.4 10.7 16.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 9.904 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW005887.D

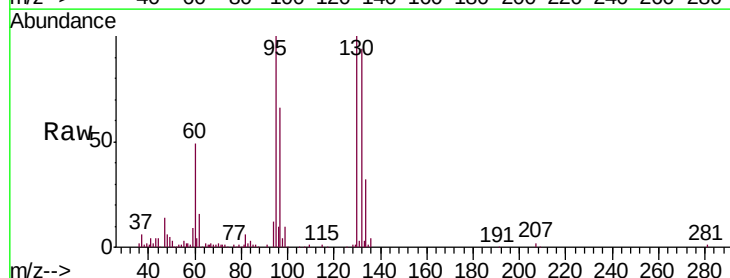
Acq: 08 Oct 2018 10:57

Tgt Ion: 130 Resp: 40749

Ion Ratio Lower Upper

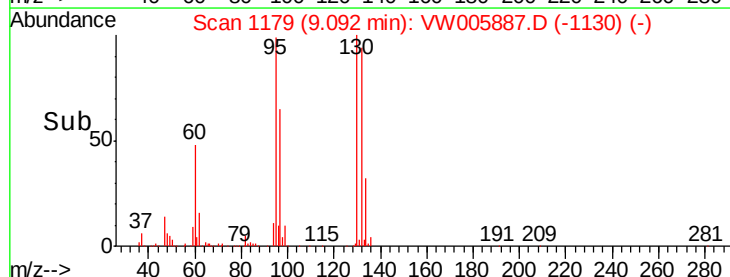
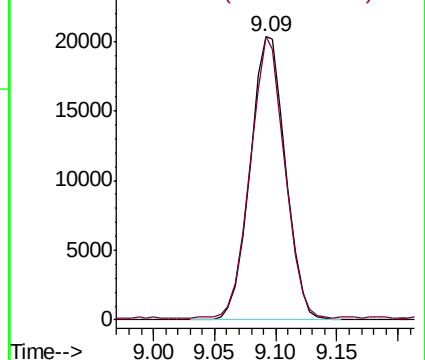
130 100

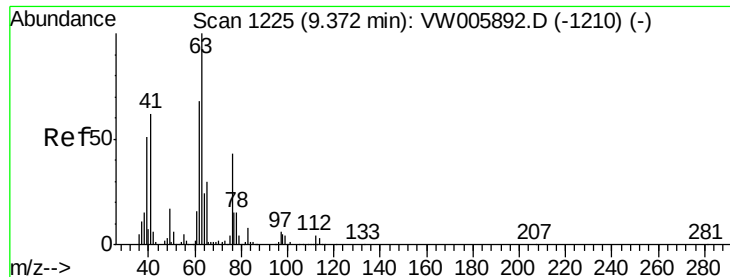
95 99.2 0.0 185.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 10.082 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW005887.D

Acq: 08 Oct 2018 10:57

Instrument :

MSVOA_W

ClientSampleId :

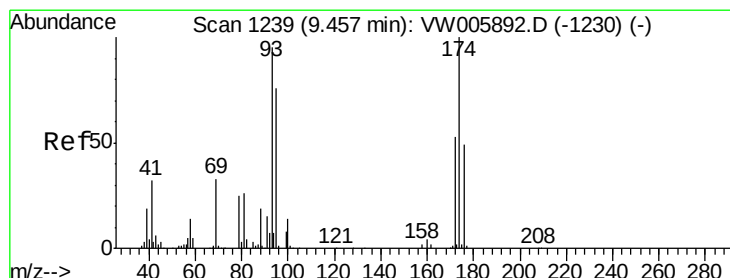
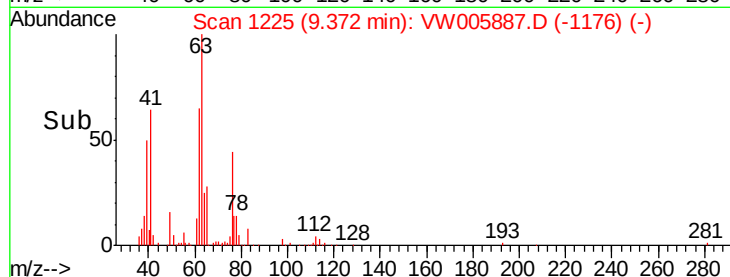
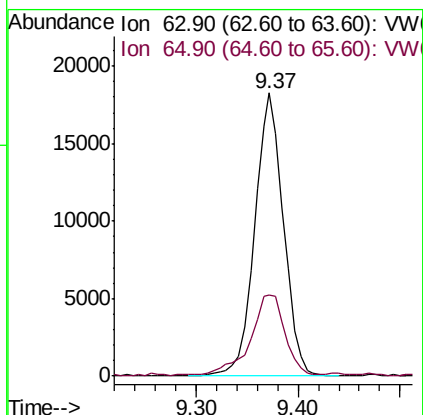
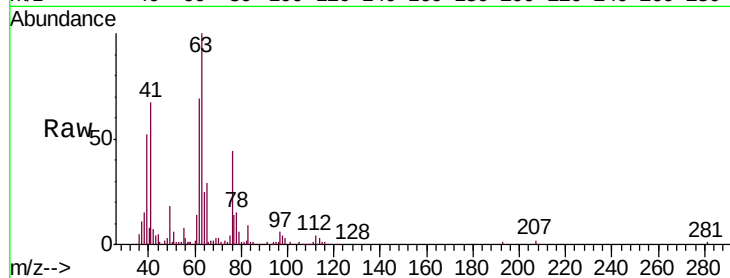
VSTDIC010

Tgt Ion: 63 Resp: 35786

Ion Ratio Lower Upper

63 100

65 28.3 24.3 36.5



#46

Dibromomethane

Concen: 9.907 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.01 min

Lab File: VW005887.D

Acq: 08 Oct 2018 10:57

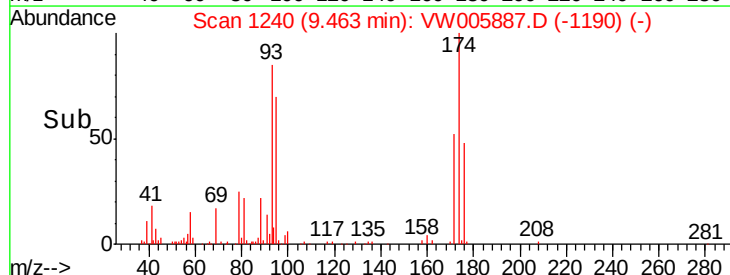
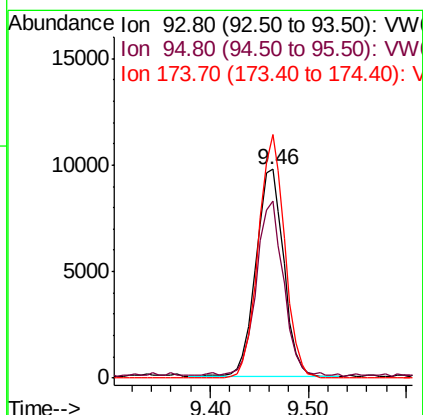
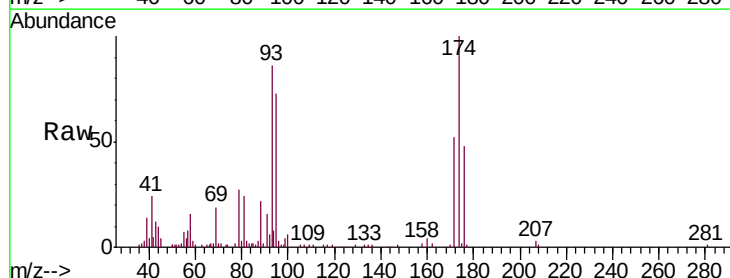
Tgt Ion: 93 Resp: 19326

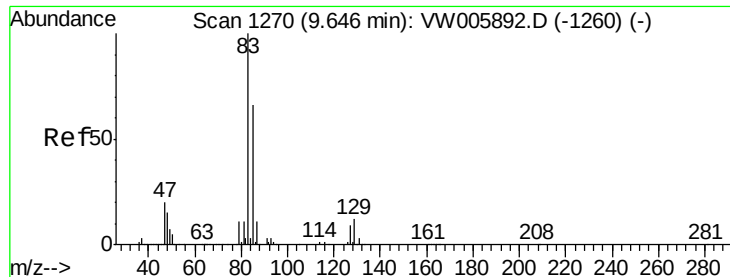
Ion Ratio Lower Upper

93 100

95 81.8 66.6 99.8

174 111.6 90.4 135.6





#47

Bromodichloromethane

Concen: 10.121 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW005887.D

Acq: 08 Oct 2018 10:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

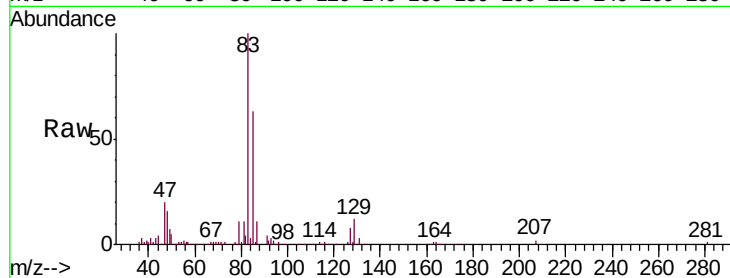
Tgt Ion: 83 Resp: 49683

Ion Ratio Lower Upper

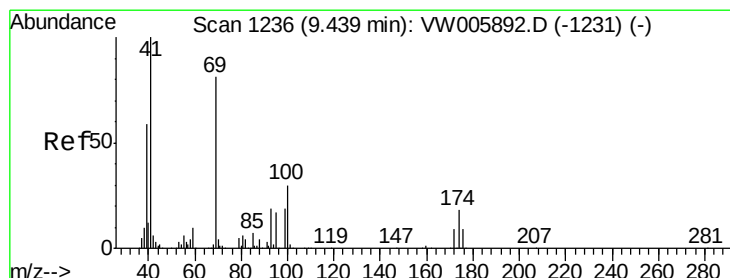
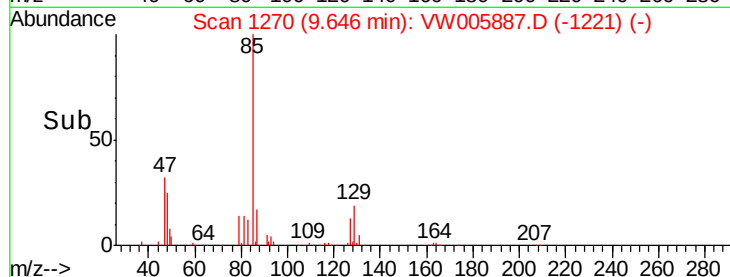
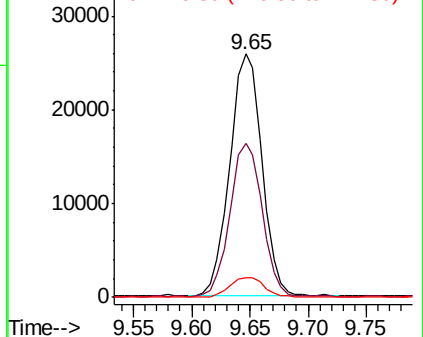
83 100

85 63.4 53.0 79.6

127 7.9 7.4 11.0



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): V



#48

Methyl methacrylate

Concen: 9.851 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VW005887.D

Acq: 08 Oct 2018 10:57

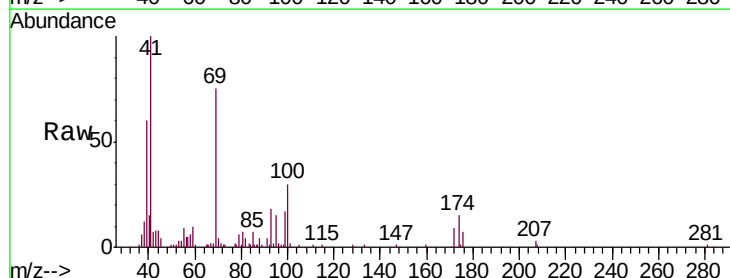
Tgt Ion: 41 Resp: 21508

Ion Ratio Lower Upper

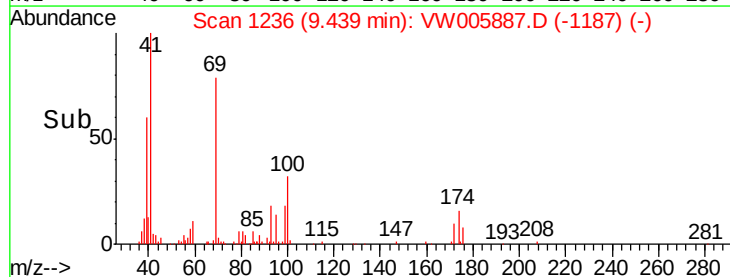
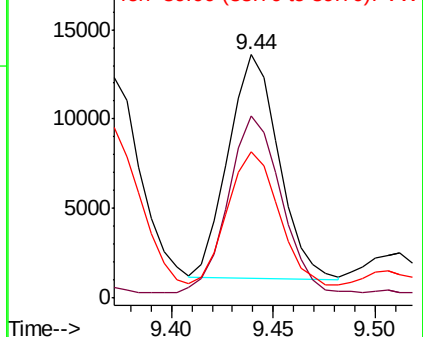
41 100

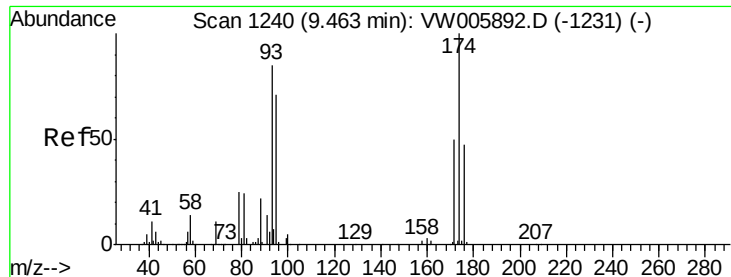
69 82.7 68.7 103.1

39 65.6 50.0 75.0



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: 188.549 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VW005887.D

Acq: 08 Oct 2018 10:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

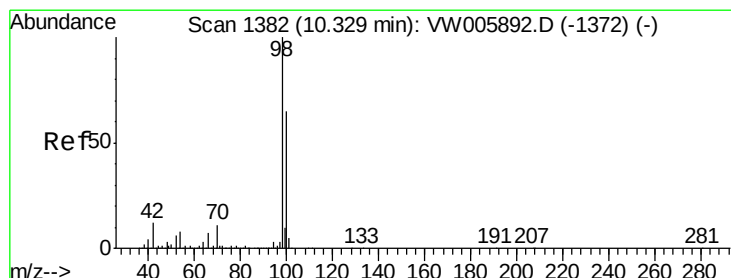
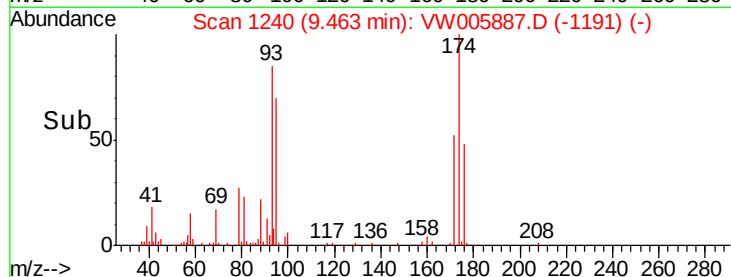
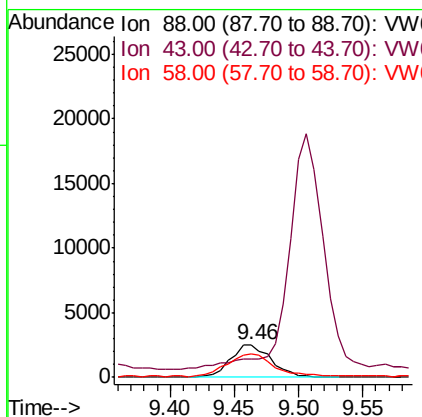
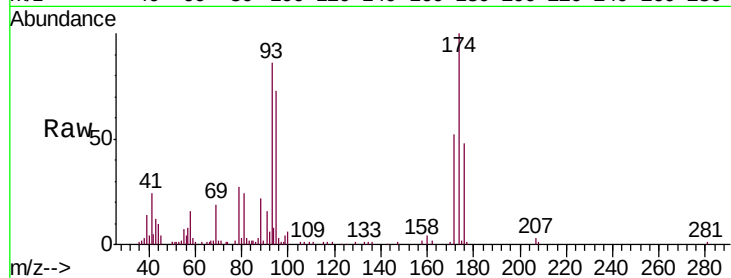
Tgt Ion: 88 Resp: 5587

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 86.5 57.7 86.5



#50

Toluene-d8

Concen: 10.325 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005887.D

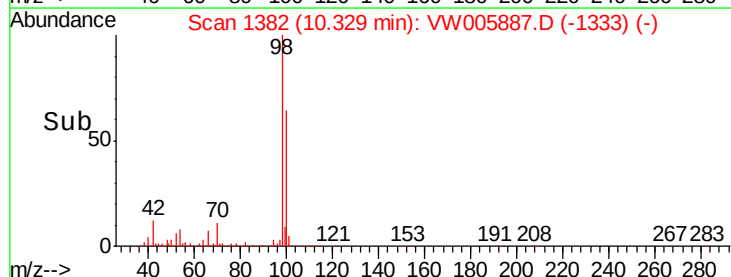
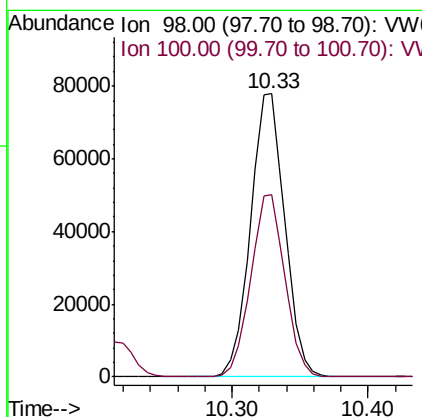
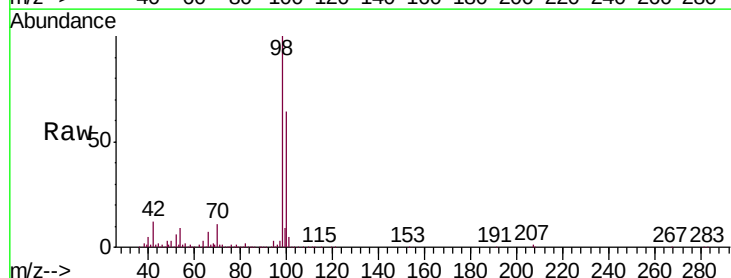
Acq: 08 Oct 2018 10:57

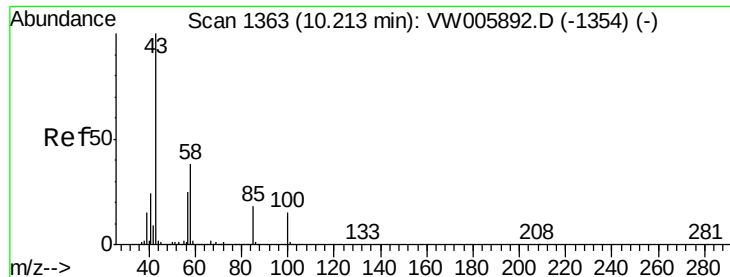
Tgt Ion: 98 Resp: 137137

Ion Ratio Lower Upper

98 100

100 64.5 51.9 77.9

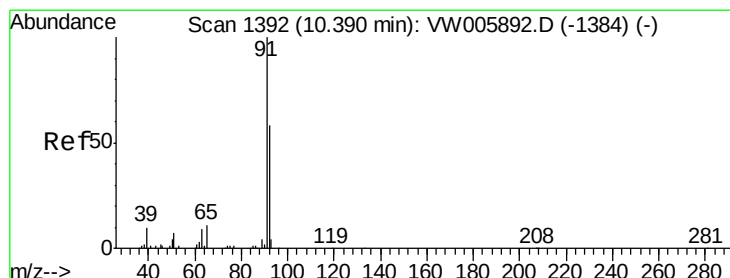
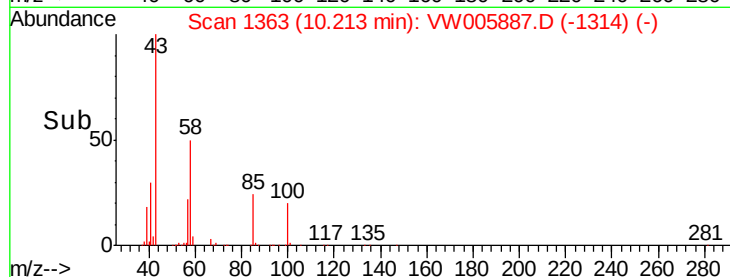
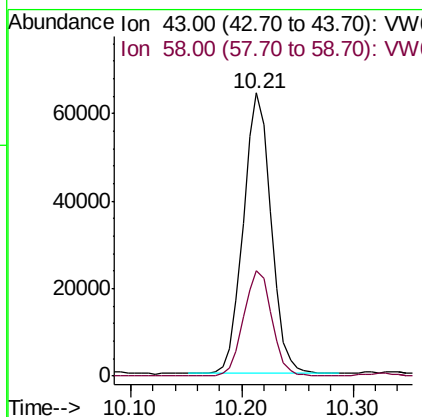
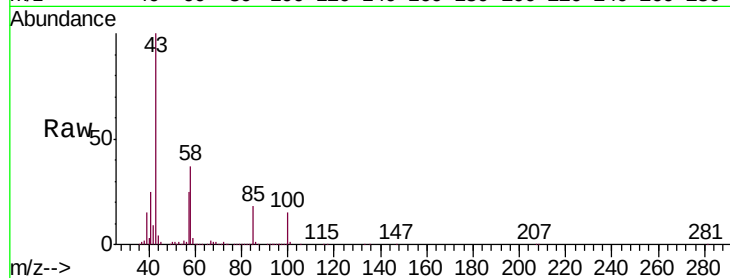




#51
 4-Methyl-2-Pentanone
 Concen: 50.007 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW005887.D
 Acq: 08 Oct 2018 10:57

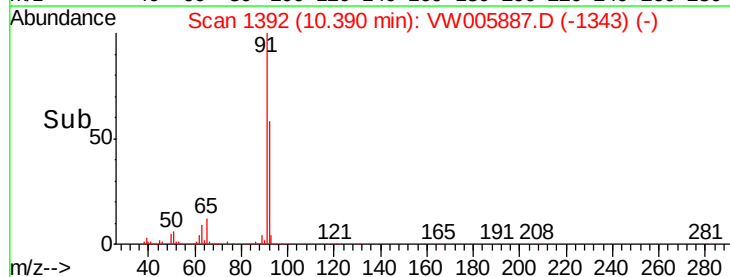
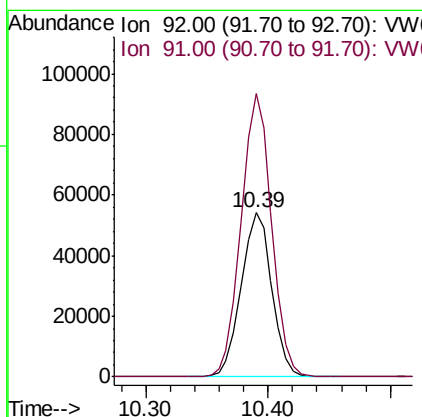
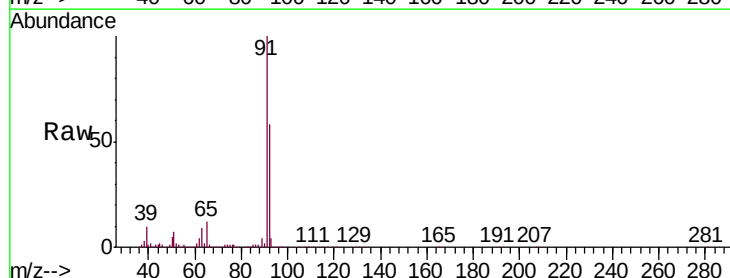
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

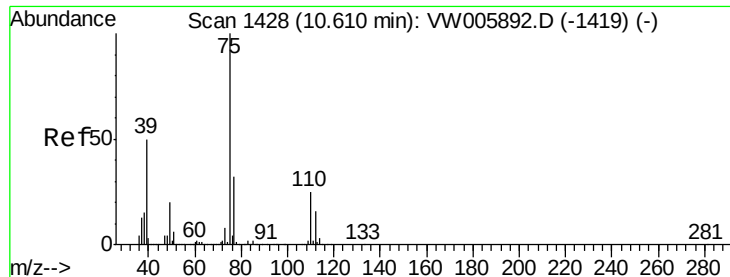
Tgt Ion: 43 Resp: 111605
 Ion Ratio Lower Upper
 43 100
 58 38.2 30.2 45.4



#52
 Toluene
 Concen: 10.077 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW005887.D
 Acq: 08 Oct 2018 10:57

Tgt Ion: 92 Resp: 93870
 Ion Ratio Lower Upper
 92 100
 91 171.0 138.2 207.4





#53

t-1,3-Dichloropropene

Concen: 9.978 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW005887.D

Acq: 08 Oct 2018 10:57

Instrument :

MSVOA_W

ClientSampleId :

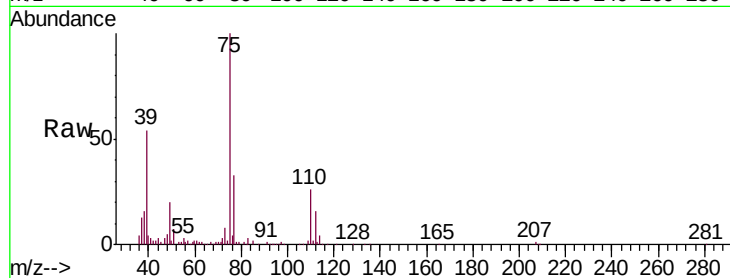
VSTDIC010

Tgt Ion: 75 Resp: 51187

Ion Ratio Lower Upper

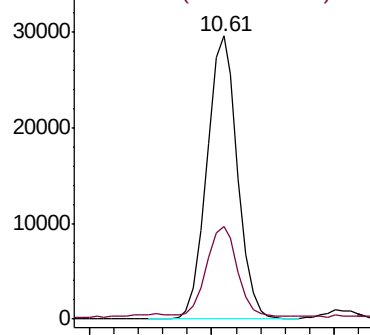
75 100

77 31.6 25.4 38.2

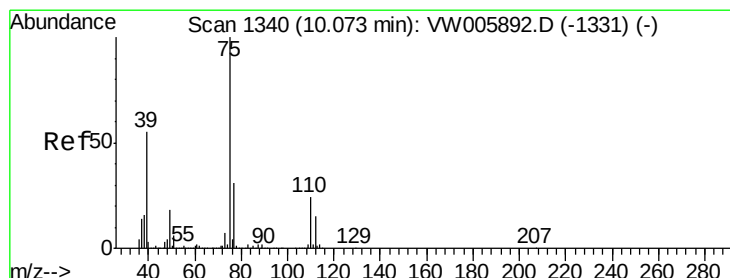
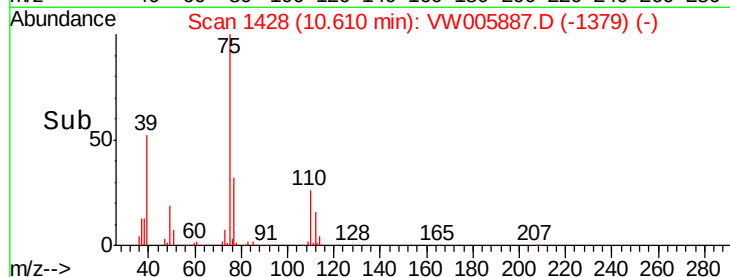


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



Time-->



#54

cis-1,3-Dichloropropene

Concen: 10.091 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW005887.D

Acq: 08 Oct 2018 10:57

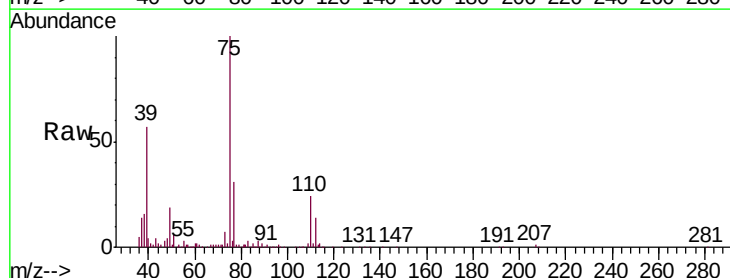
Tgt Ion: 75 Resp: 58190

Ion Ratio Lower Upper

75 100

77 30.1 24.6 37.0

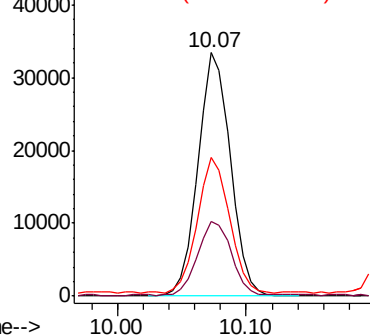
39 55.1 44.2 66.4



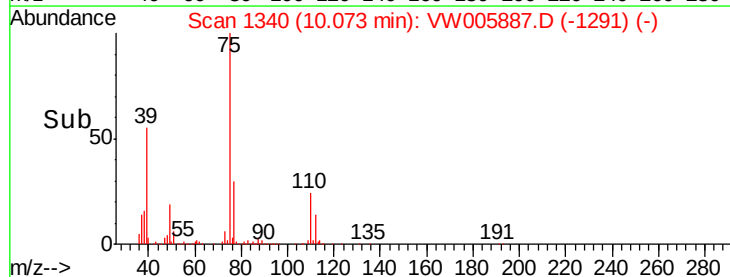
Abundance Ion 74.90 (74.60 to 75.60): VW

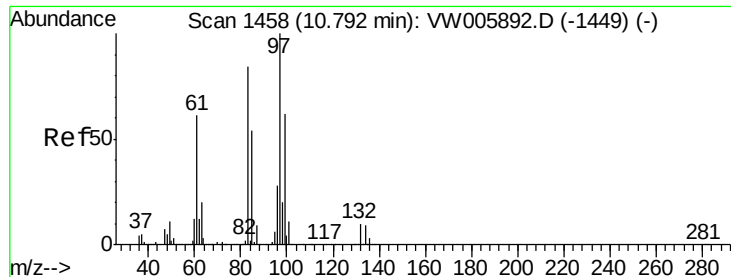
Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW



Time-->

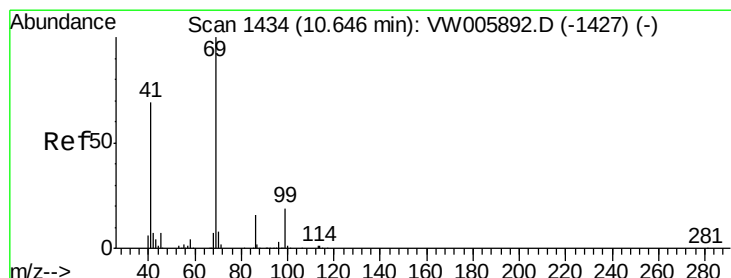
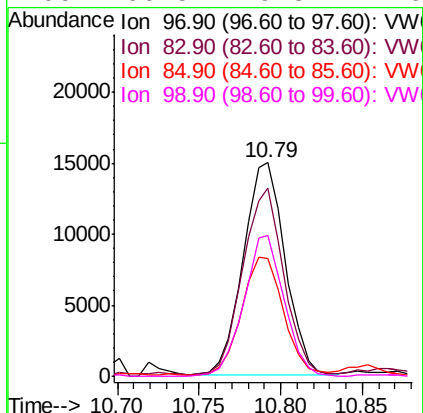
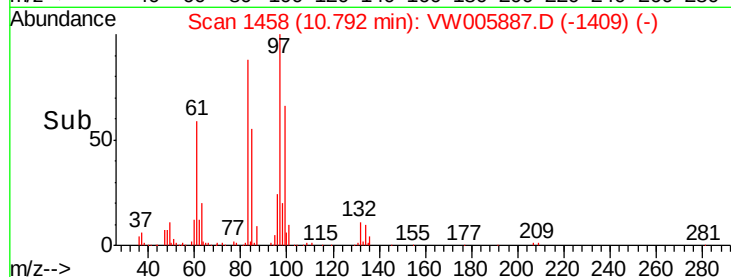
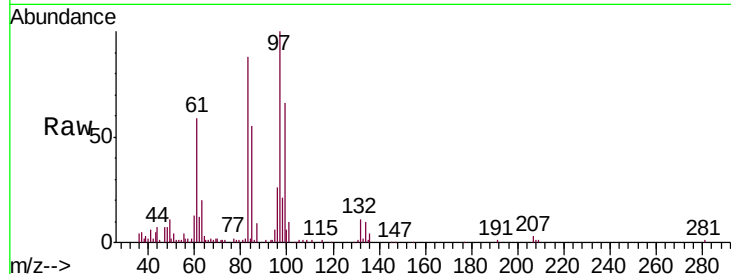




#55
 1,1,2-Trichloroethane
 Concen: 9.878 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. -0.00 min
 Lab File: VW005887.D
 Acq: 08 Oct 2018 10:57

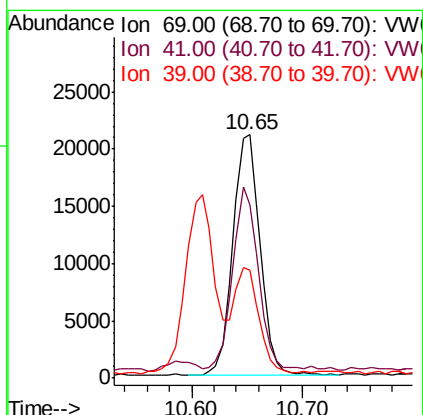
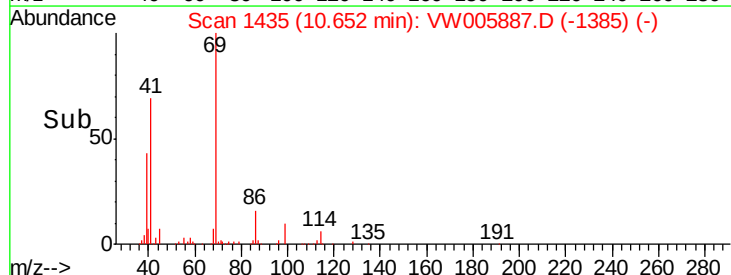
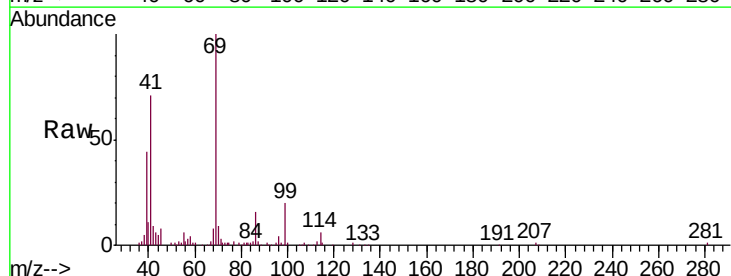
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

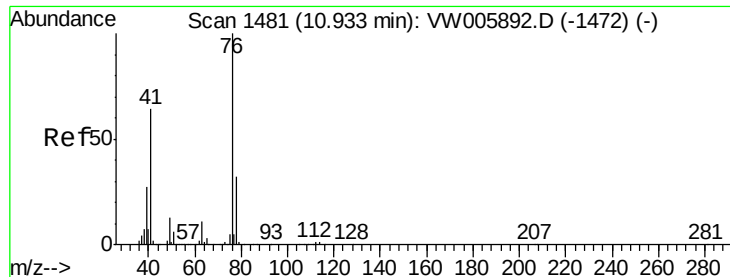
Tgt Ion:	97	Resp:	26691
Ion	Ratio	Lower	Upper
97	100		
83	87.9	66.9	100.3
85	55.0	43.4	65.0
99	66.5	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 9.832 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. 0.01 min
 Lab File: VW005887.D
 Acq: 08 Oct 2018 10:57

Tgt Ion:	69	Resp:	35805
Ion	Ratio	Lower	Upper
69	100		
41	70.8	56.0	84.0
39	41.4	33.5	50.3





#57

1,3-Dichloropropane

Concen: 10.023 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW005887.D

Acq: 08 Oct 2018 10:57

Instrument :

MSVOA_W

ClientSampleId :

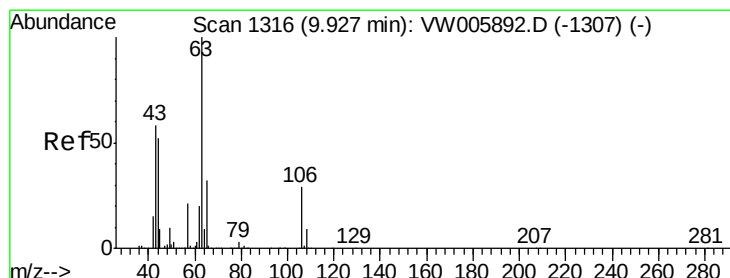
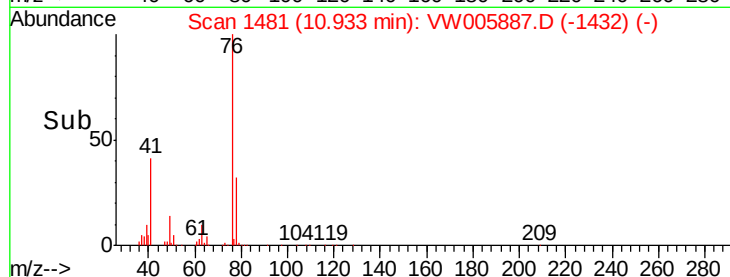
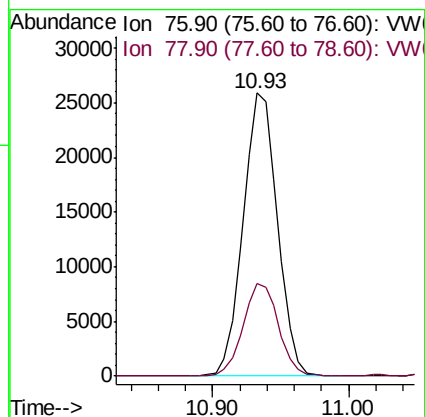
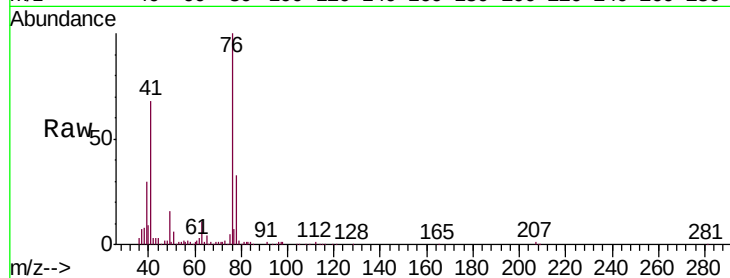
VSTDIC010

Tgt Ion: 76 Resp: 45562

Ion Ratio Lower Upper

76 100

78 33.9 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 49.851 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VW005887.D

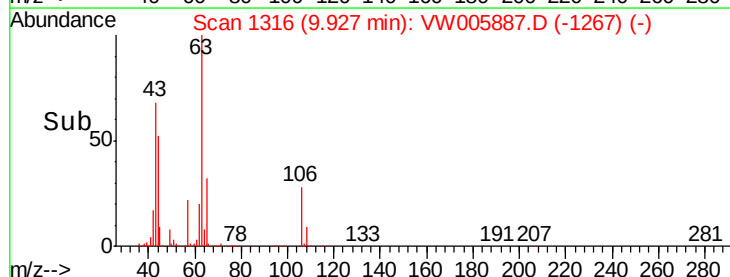
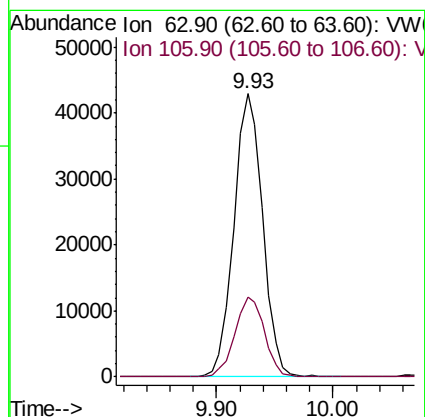
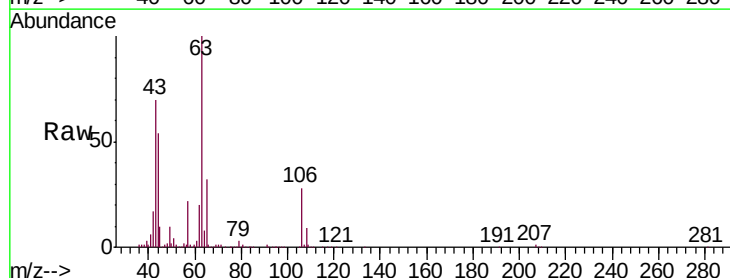
Acq: 08 Oct 2018 10:57

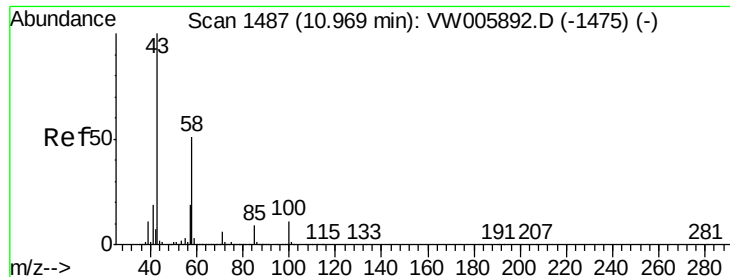
Tgt Ion: 63 Resp: 73870

Ion Ratio Lower Upper

63 100

106 28.9 23.6 35.4





#59

2-Hexanone

Concen: 51.474 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW005887.D

Acq: 08 Oct 2018 10:57

Instrument :

MSVOA_W

ClientSampleId :

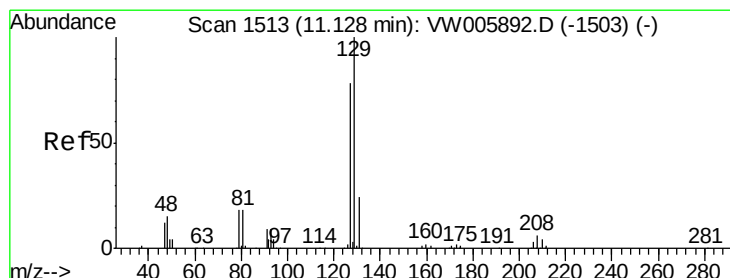
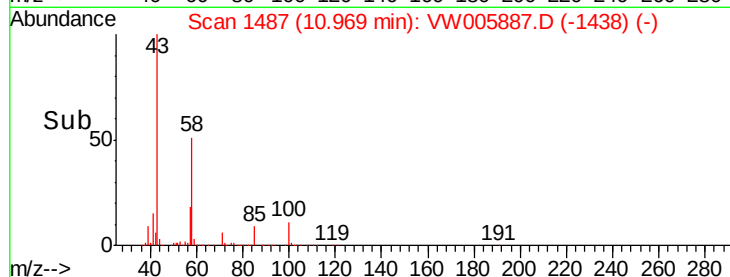
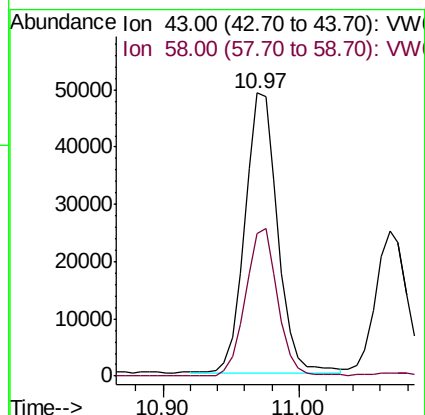
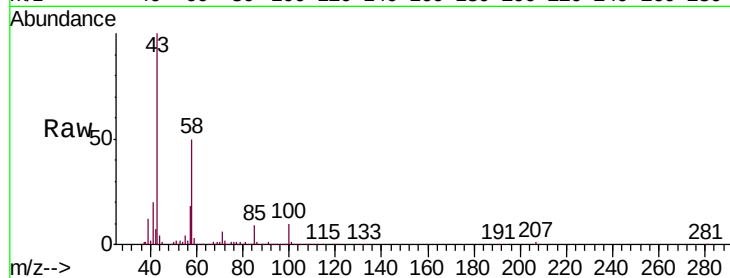
VSTDIC010

Tgt Ion: 43 Resp: 82370

Ion Ratio Lower Upper

43 100

58 51.2 25.7 77.1



#60

Dibromochloromethane

Concen: 10.123 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW005887.D

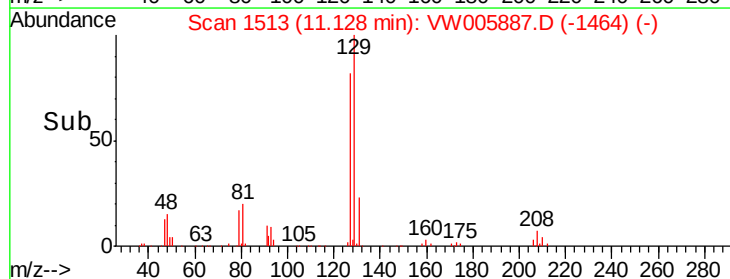
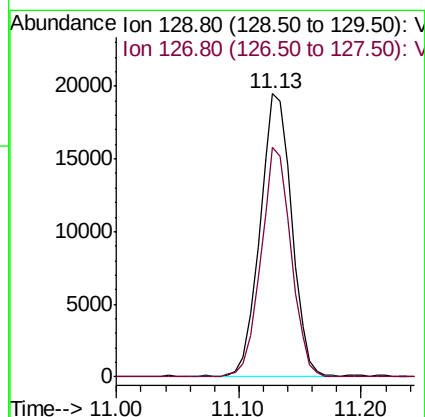
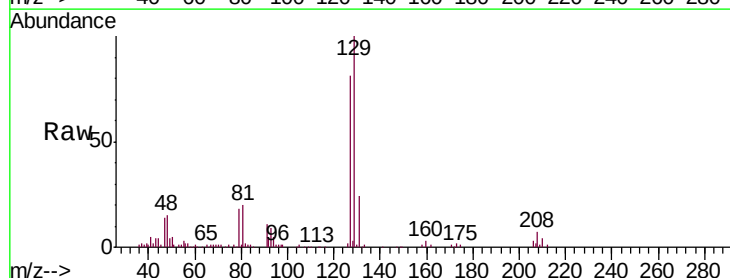
Acq: 08 Oct 2018 10:57

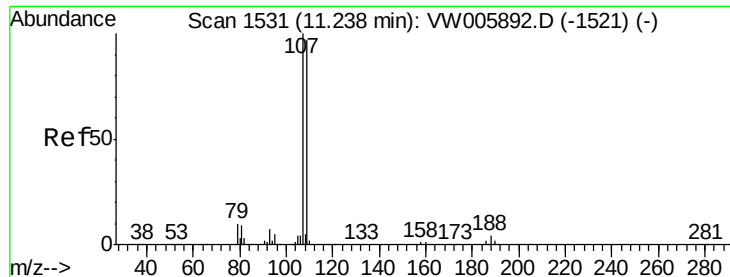
Tgt Ion: 129 Resp: 35297

Ion Ratio Lower Upper

129 100

127 76.8 38.5 115.5





#61

1,2-Dibromoethane

Concen: 10.043 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW005887.D

Acq: 08 Oct 2018 10:57

Instrument :

MSVOA_W

ClientSampleId :

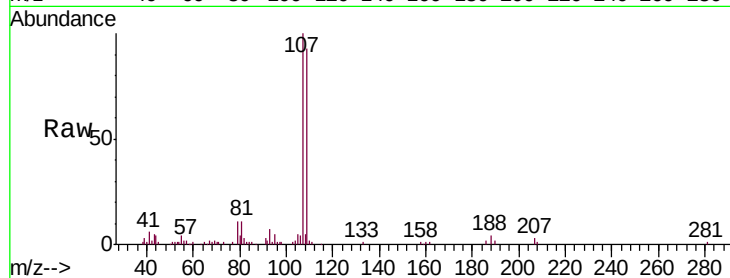
VSTDIC010

Tgt Ion: 107 Resp: 27116

Ion Ratio Lower Upper

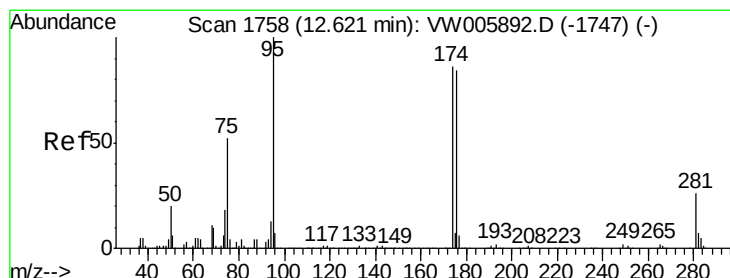
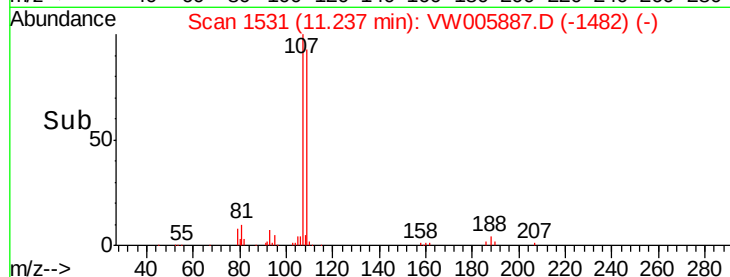
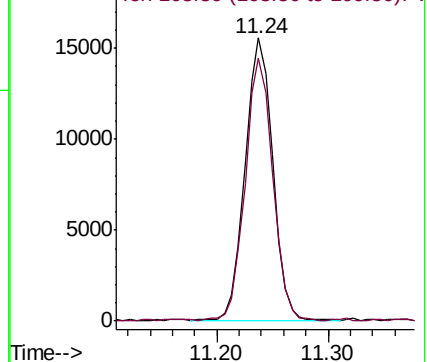
107 100

109 91.3 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 10.209 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW005887.D

Acq: 08 Oct 2018 10:57

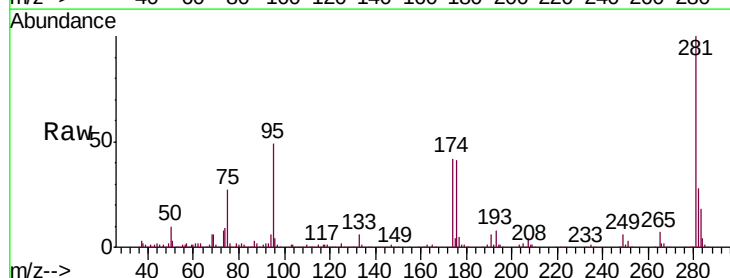
Tgt Ion: 95 Resp: 51591

Ion Ratio Lower Upper

95 100

174 88.1 0.0 176.4

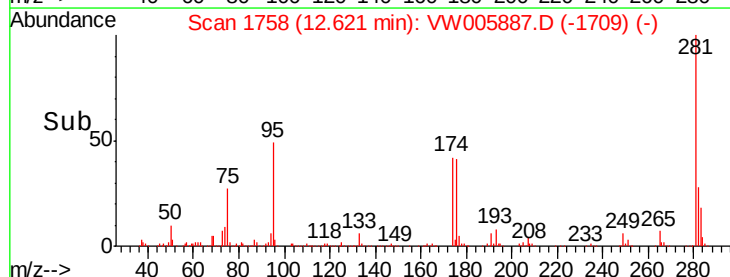
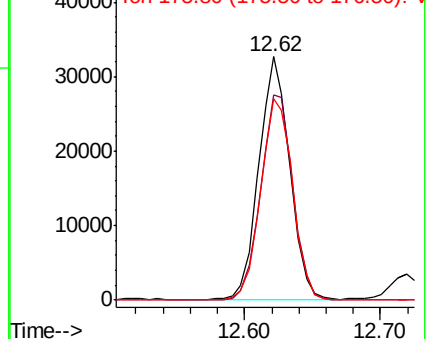
176 86.2 0.0 173.0

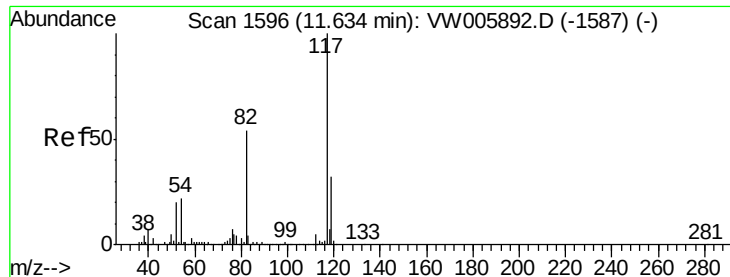


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

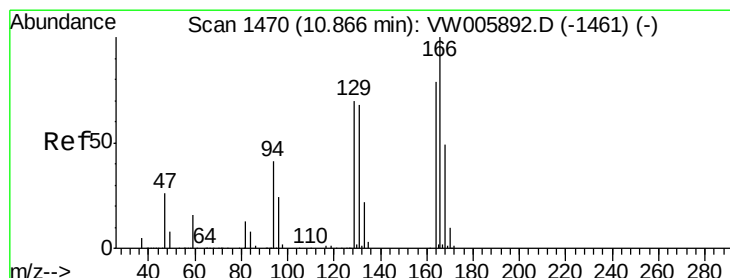
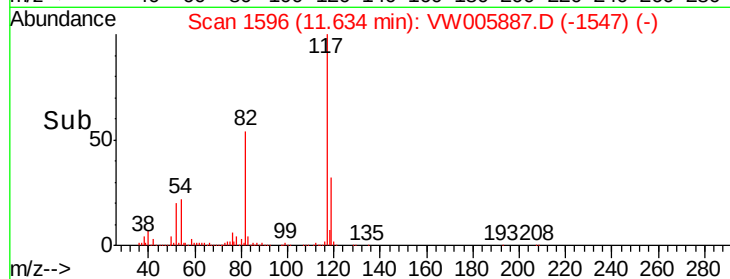
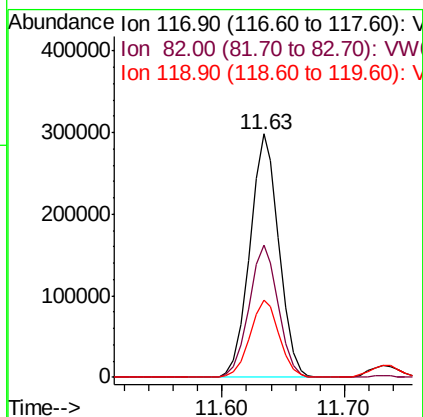
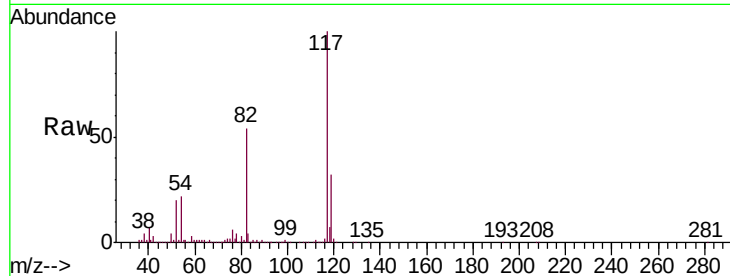




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW005887.D
Acq: 08 Oct 2018 10:57

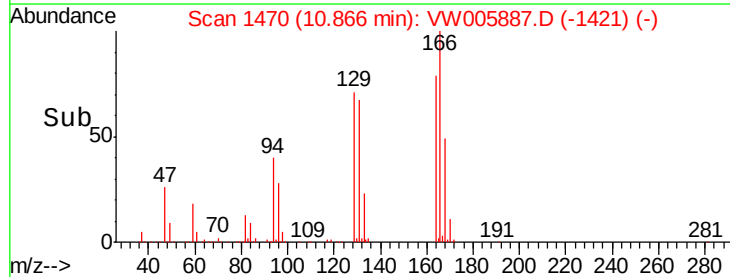
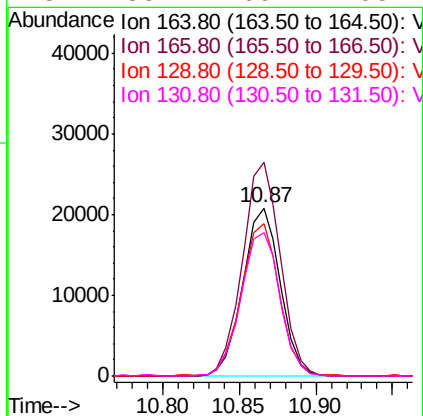
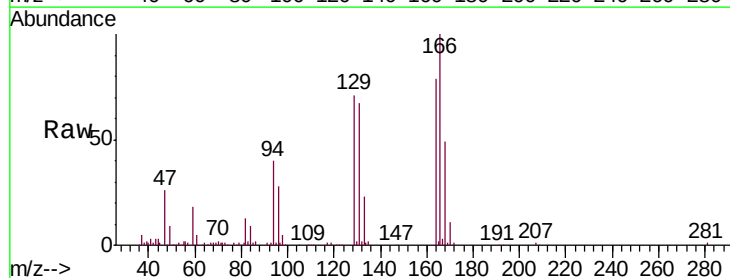
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

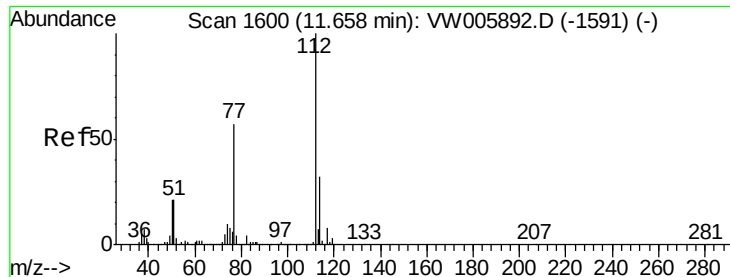
Tgt Ion:117 Resp: 490194
Ion Ratio Lower Upper
117 100
82 54.2 43.5 65.3
119 31.9 25.4 38.2



#64
Tetrachloroethene
Concen: 9.702 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW005887.D
Acq: 08 Oct 2018 10:57

Tgt Ion:164 Resp: 35425
Ion Ratio Lower Upper
164 100
166 127.3 101.5 152.3
129 90.5 71.1 106.7
131 85.4 69.1 103.7

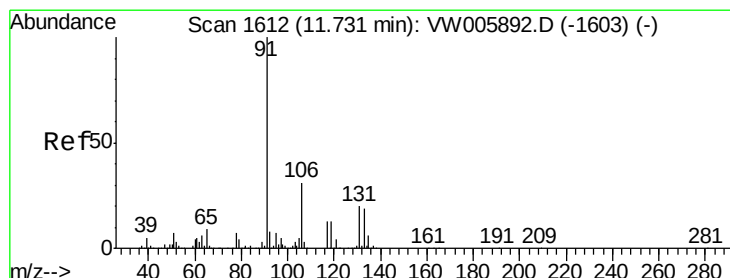
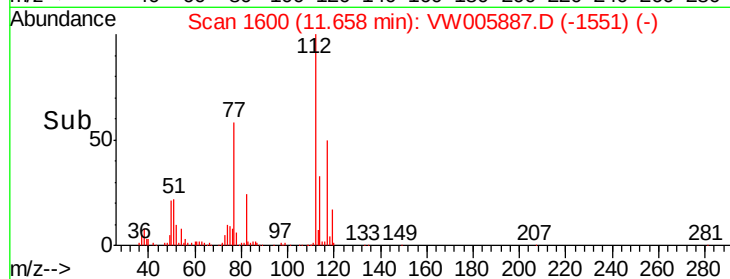
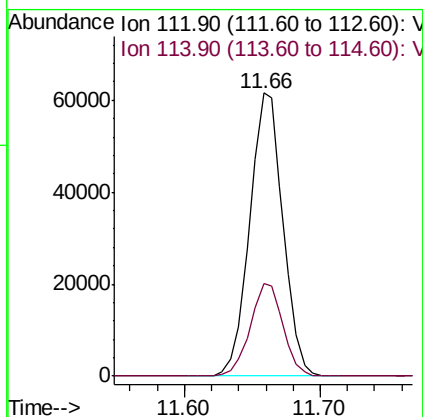
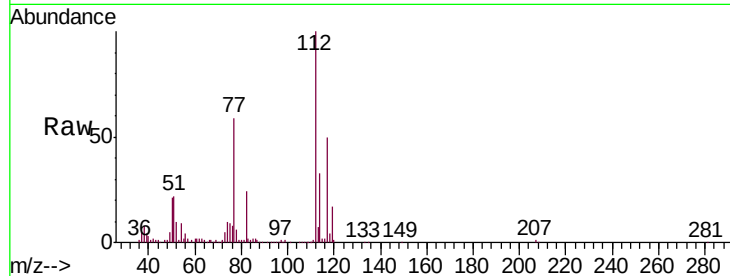




#65
Chlorobenzene
Concen: 10.031 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW005887.D
Acq: 08 Oct 2018 10:57

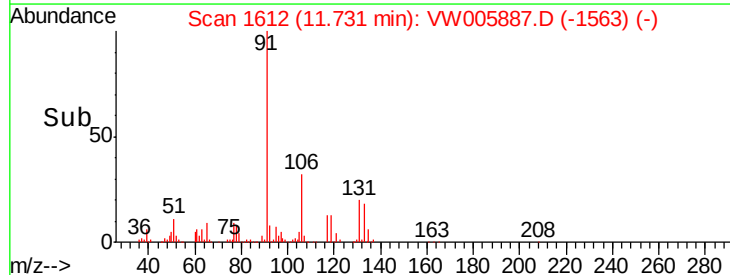
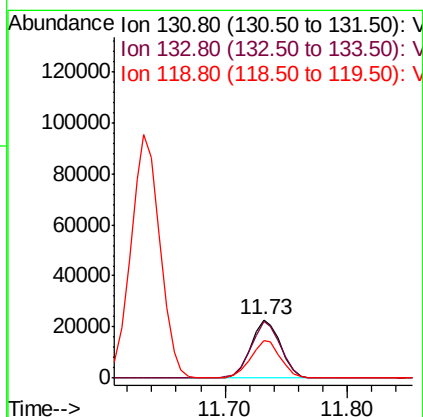
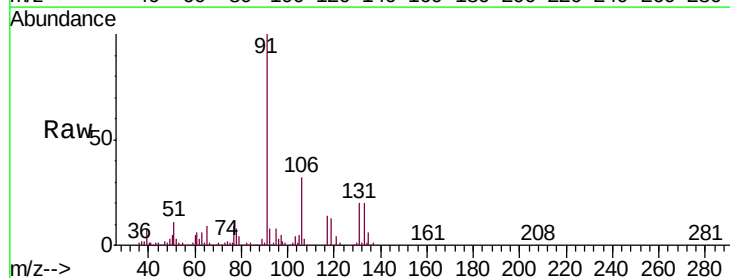
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

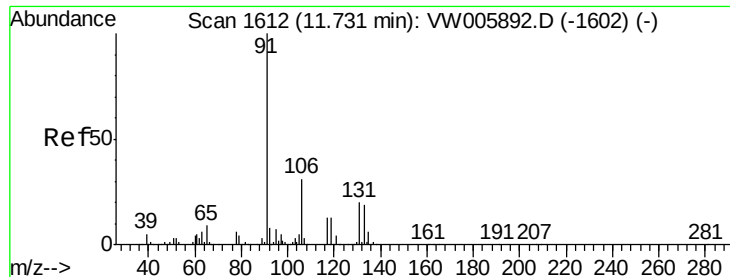
Tgt Ion:112 Resp: 105326
Ion Ratio Lower Upper
112 100
114 32.9 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 10.000 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW005887.D
Acq: 08 Oct 2018 10:57

Tgt Ion:131 Resp: 38488
Ion Ratio Lower Upper
131 100
133 97.5 48.2 144.6
119 65.3 32.5 97.5

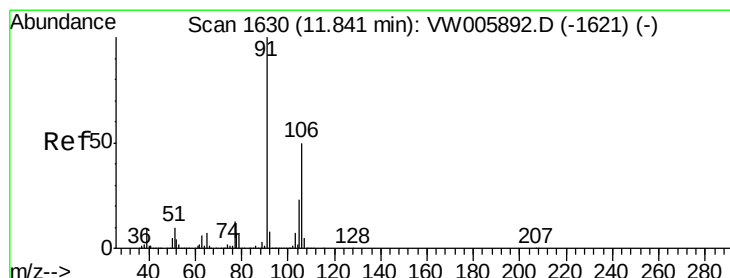
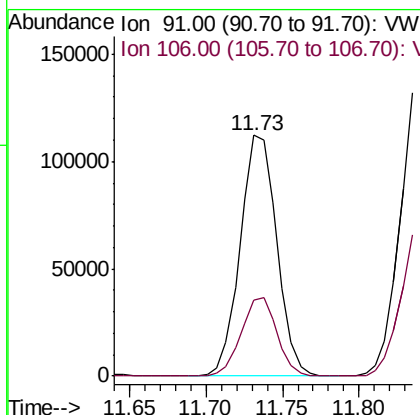
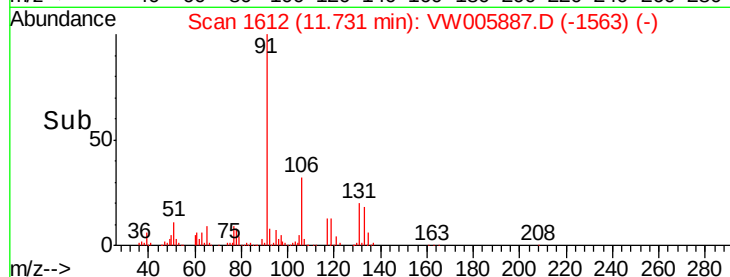
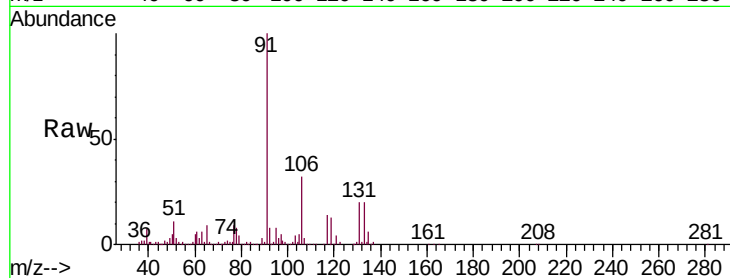




#67
Ethyl Benzene
Concen: 10.005 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW005887.D
Acq: 08 Oct 2018 10:57

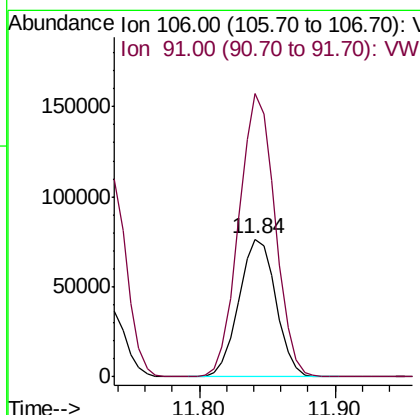
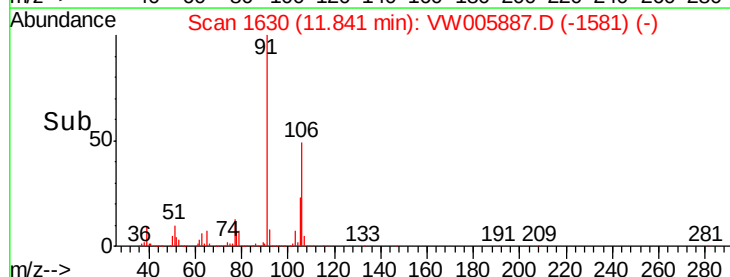
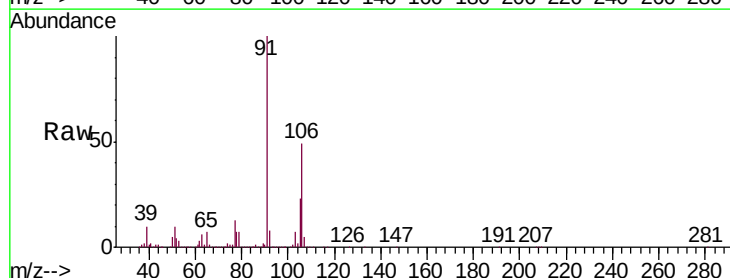
Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

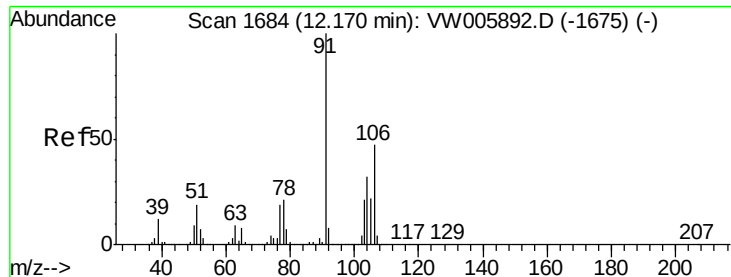
Tgt Ion: 91 Resp: 185565
Ion Ratio Lower Upper
91 100
106 31.7 25.0 37.6



#68
m/p-Xylenes
Concen: 20.097 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW005887.D
Acq: 08 Oct 2018 10:57

Tgt Ion: 106 Resp: 145662
Ion Ratio Lower Upper
106 100
91 200.2 160.2 240.2

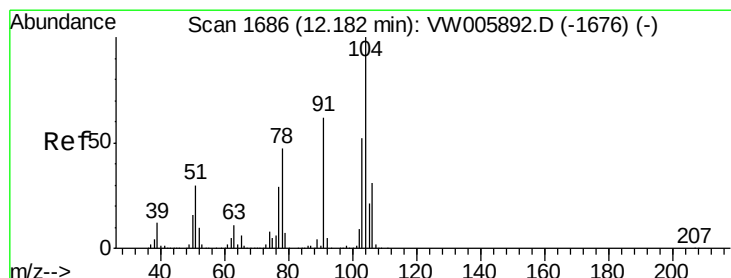
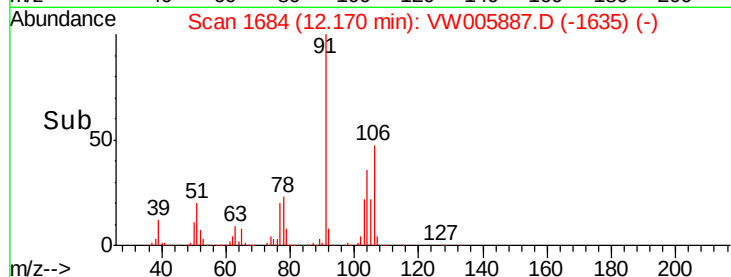
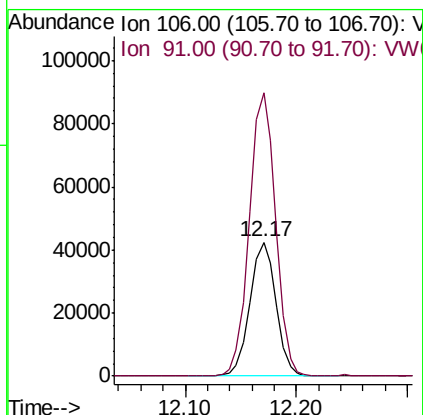
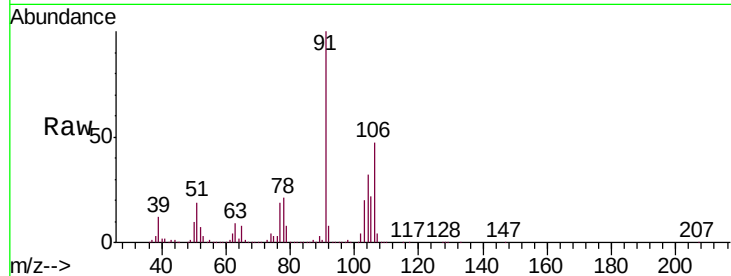




#69
o-Xylene
Concen: 9.962 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW005887.D
Acq: 08 Oct 2018 10:57

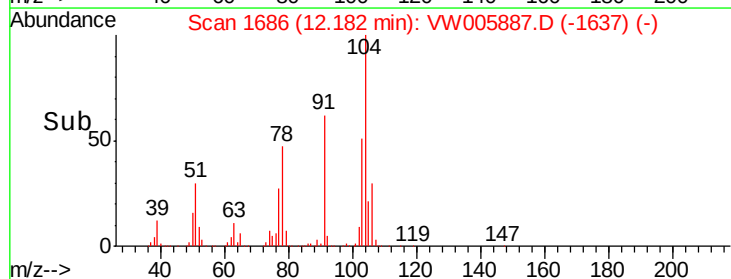
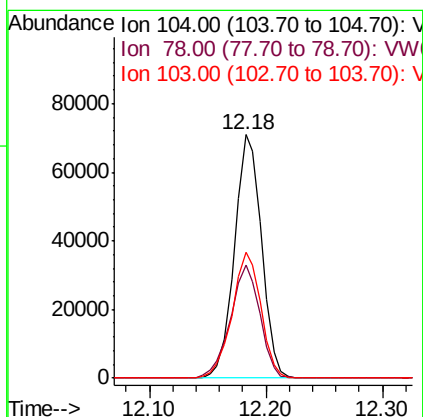
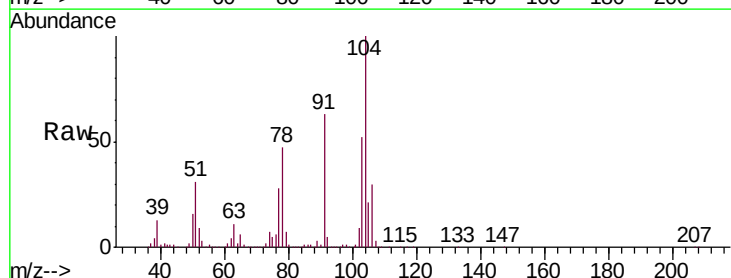
Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

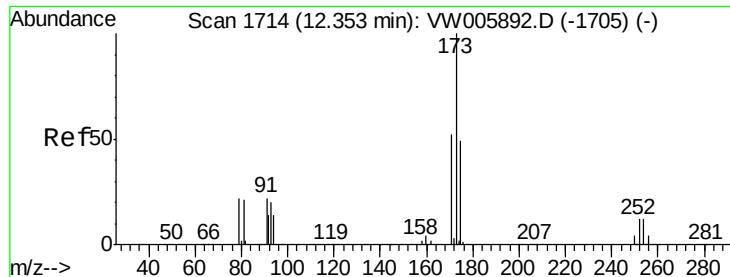
Tgt Ion:106 Resp: 69126
Ion Ratio Lower Upper
106 100
91 212.8 106.2 318.5



#70
Styrene
Concen: 9.989 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW005887.D
Acq: 08 Oct 2018 10:57

Tgt Ion:104 Resp: 114996
Ion Ratio Lower Upper
104 100
78 50.2 40.4 60.6
103 54.9 44.2 66.2





#71

Bromoform

Concen: 9.738 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW005887.D

Acq: 08 Oct 2018 10:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

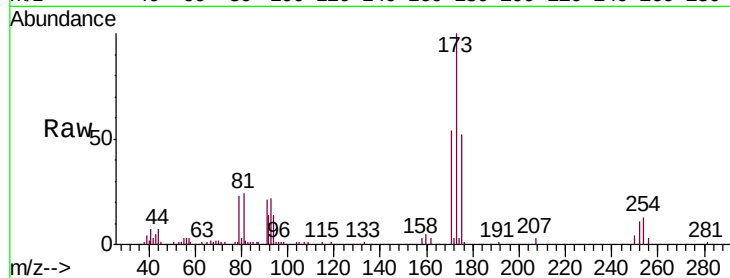
Tgt Ion:173 Resp: 22325

Ion Ratio Lower Upper

173 100

175 48.9 24.7 74.1

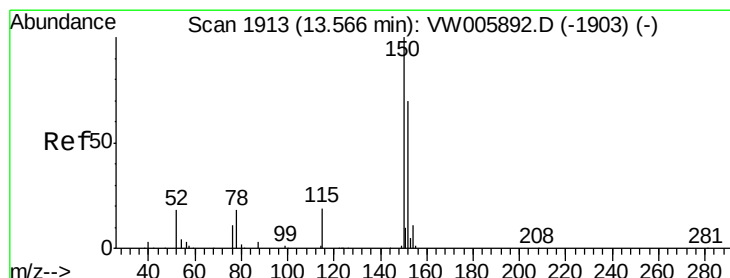
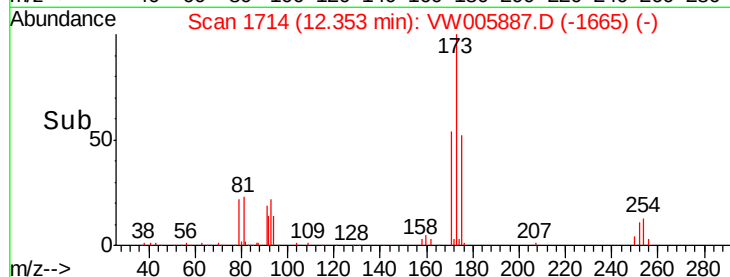
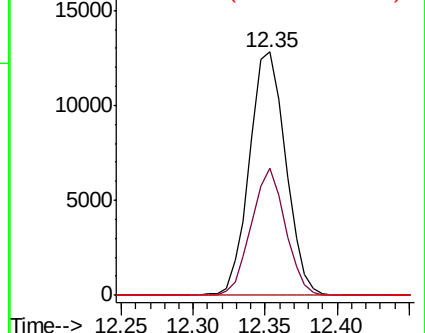
254 0.0 0.2 0.2#



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: 13.56 min Scan# 1912

Delta R.T. -0.01 min

Lab File: VW005887.D

Acq: 08 Oct 2018 10:57

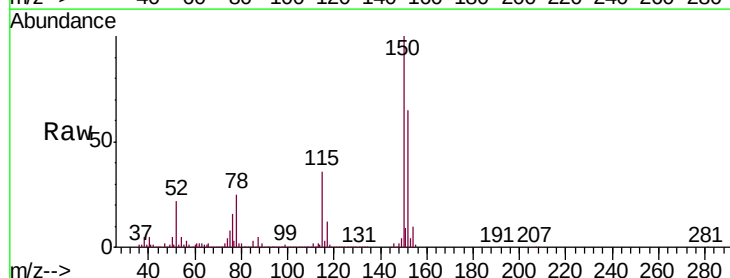
Tgt Ion:152 Resp: 262022

Ion Ratio Lower Upper

152 100

115 56.4 28.3 85.0

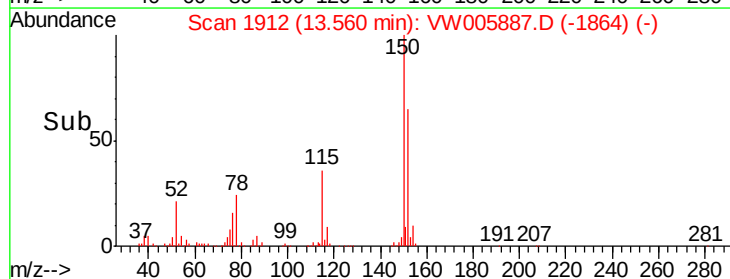
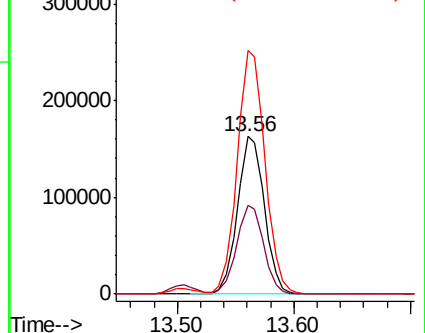
150 159.4 0.0 349.2

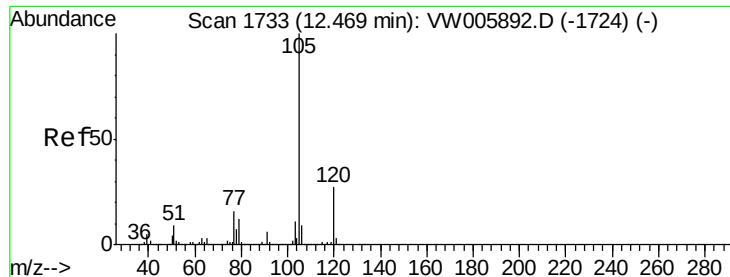


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 10.083 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW005887.D

Acq: 08 Oct 2018 10:57

Instrument :

MSVOA_W

ClientSampleId :

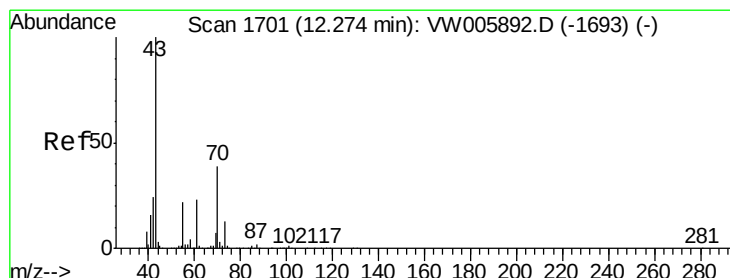
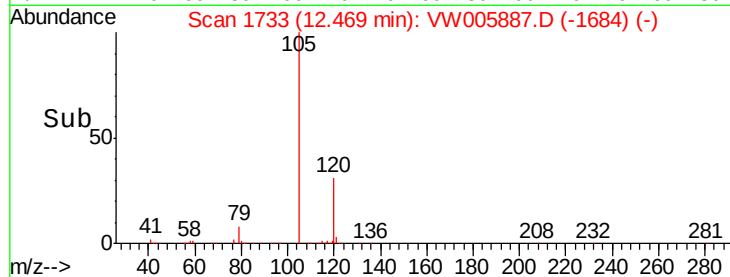
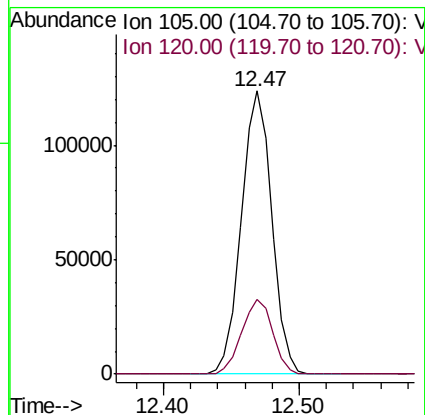
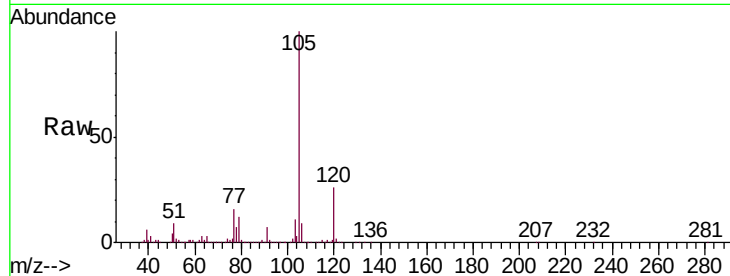
VSTDIC010

Tgt Ion:105 Resp: 192939

Ion Ratio Lower Upper

105 100

120 27.0 13.6 40.8



#74

N-ethyl acetate

Concen: 10.021 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW005887.D

Acq: 08 Oct 2018 10:57

Tgt Ion: 43 Resp: 45544

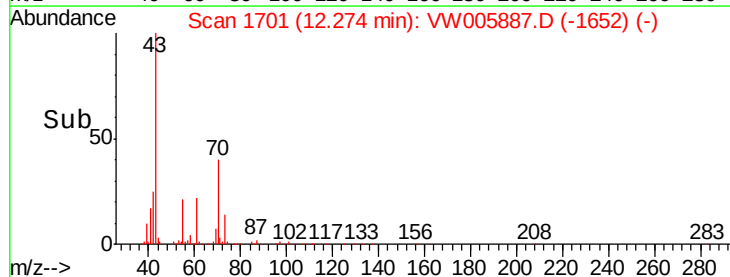
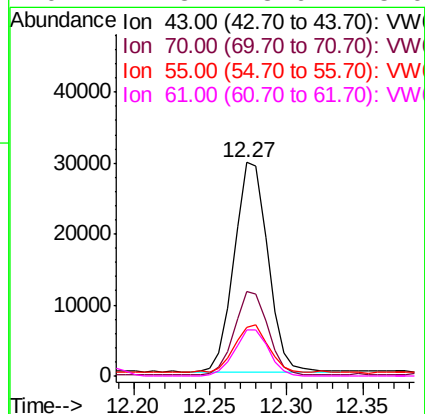
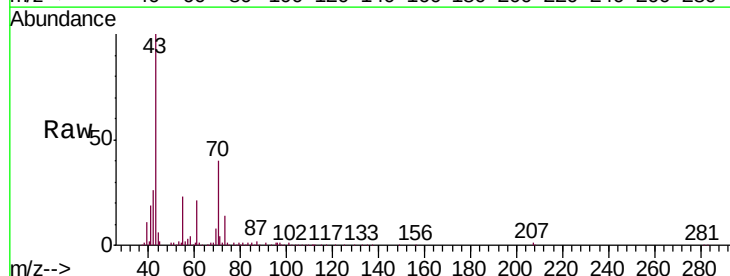
Ion Ratio Lower Upper

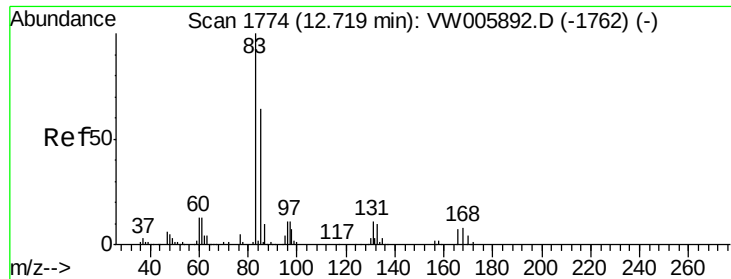
43 100

70 39.0 31.6 47.4

55 22.9 17.9 26.9

61 22.3 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 10.179 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW005887.D

Acq: 08 Oct 2018 10:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

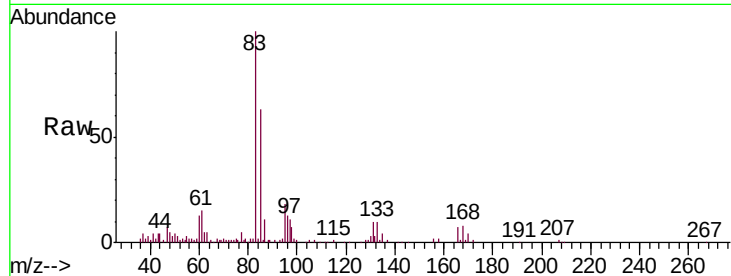
Tgt Ion: 83 Resp: 31927

Ion Ratio Lower Upper

83 100

131 11.7 5.8 17.3

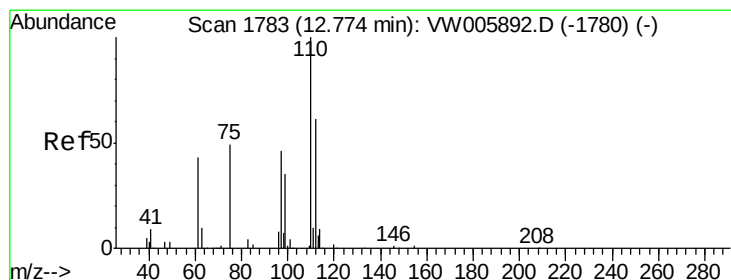
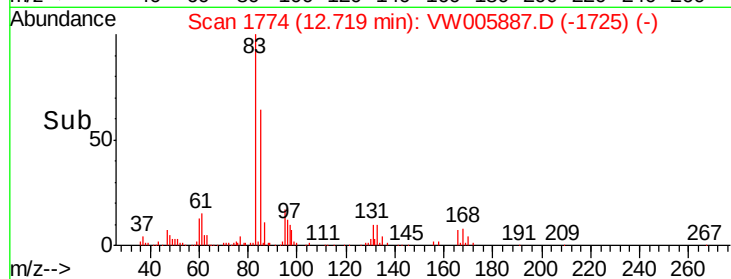
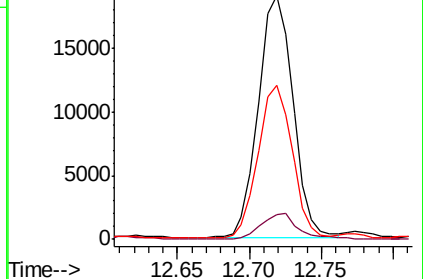
85 61.5 32.4 97.0



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: 10.864 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW005887.D

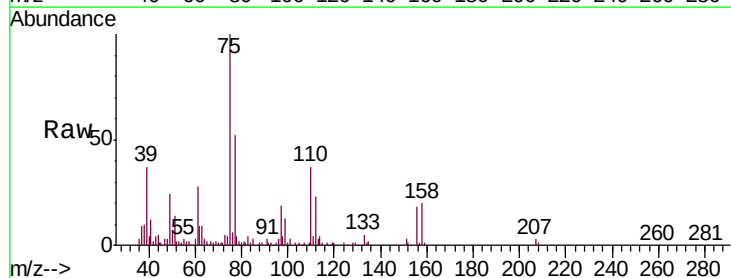
Acq: 08 Oct 2018 10:57

Tgt Ion: 75 Resp: 43571

Ion Ratio Lower Upper

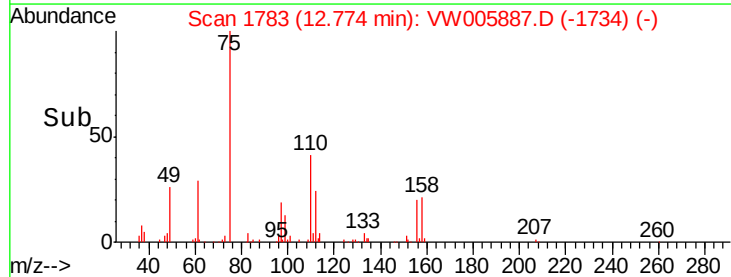
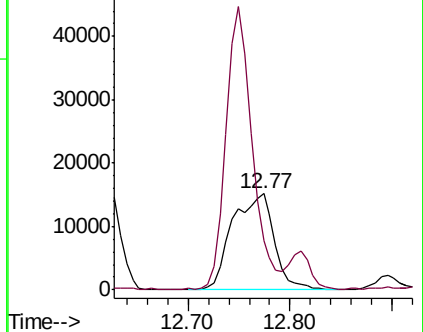
75 100

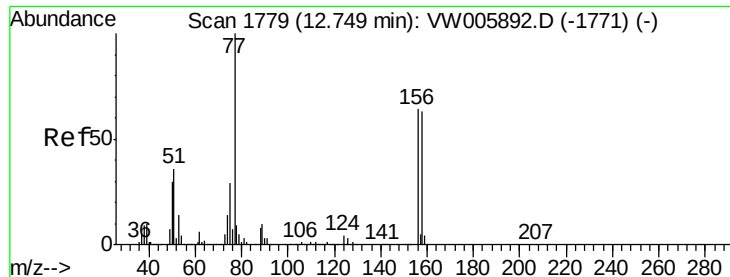
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 9.989 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW005887.D

Acq: 08 Oct 2018 10:57

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

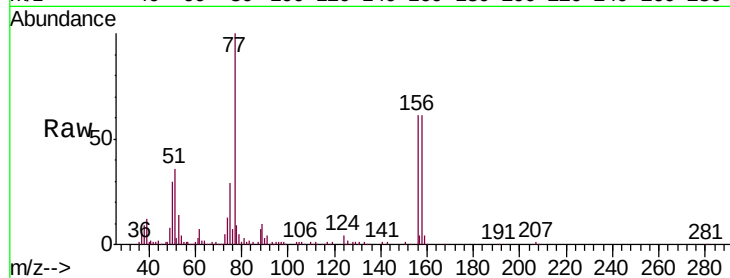
Tgt Ion:156 Resp: 45286

Ion Ratio Lower Upper

156 100

77 176.8 85.8 257.4

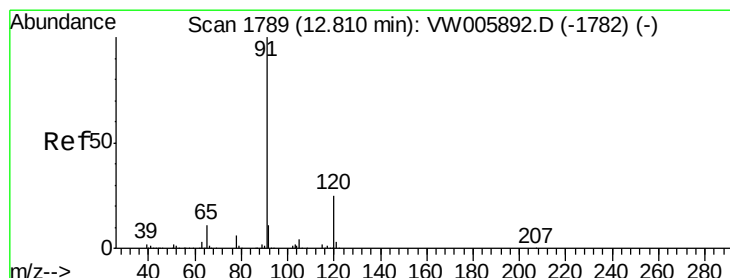
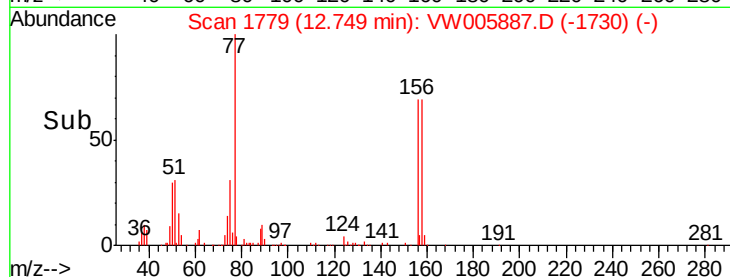
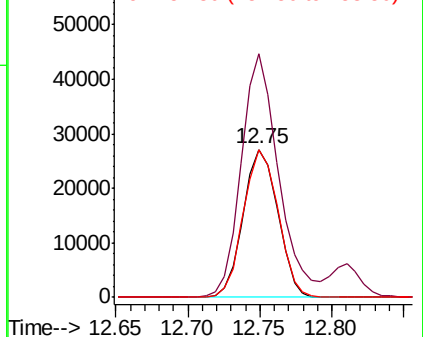
158 99.8 49.1 147.4



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: 10.165 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW005887.D

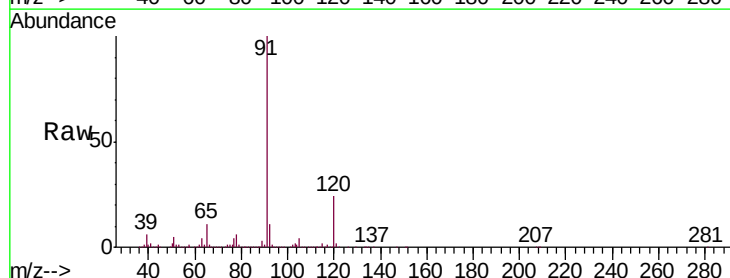
Acq: 08 Oct 2018 10:57

Tgt Ion: 91 Resp: 228820

Ion Ratio Lower Upper

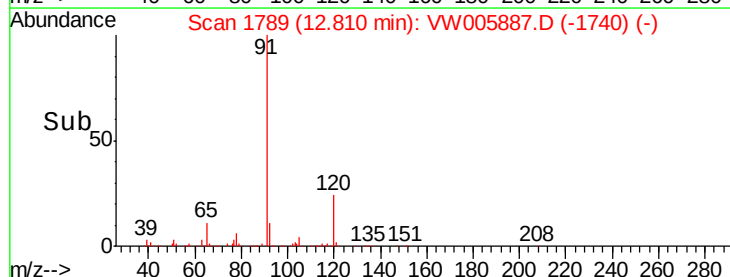
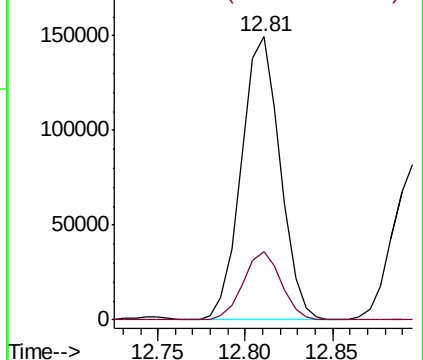
91 100

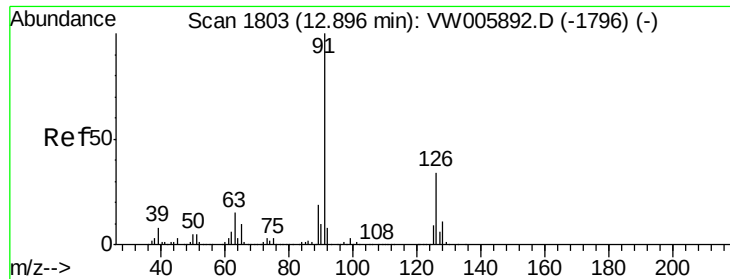
120 23.7 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 10.128 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW005887.D

Acq: 08 Oct 2018 10:57

Instrument :

MSVOA_W

ClientSampleId :

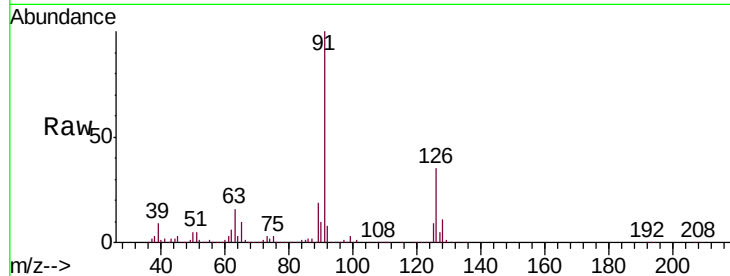
VSTDIC010

Tgt Ion: 91 Resp: 128692

Ion Ratio Lower Upper

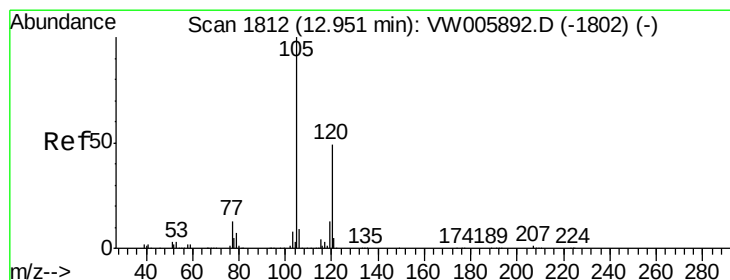
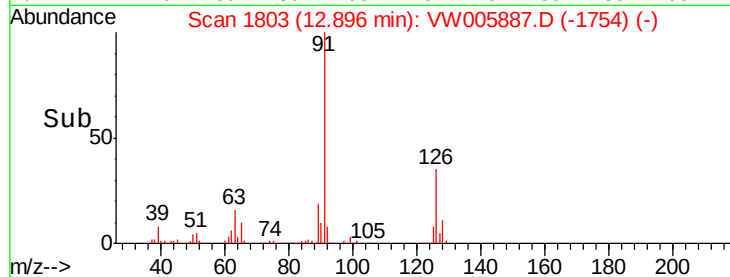
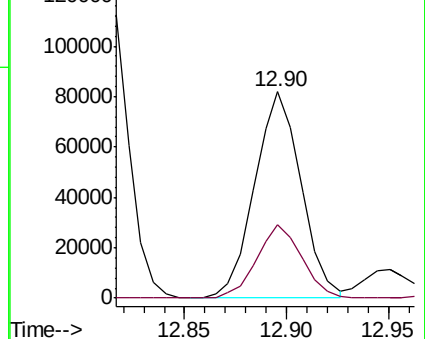
91 100

126 34.7 17.5 52.5



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: 10.151 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW005887.D

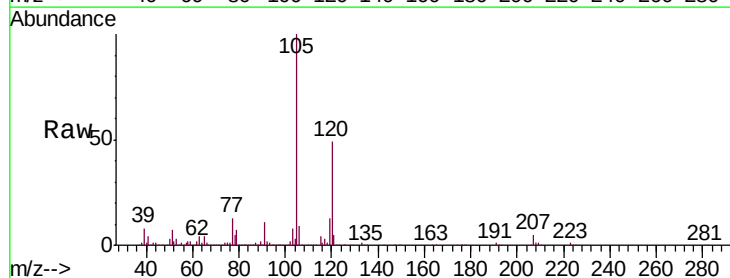
Acq: 08 Oct 2018 10:57

Tgt Ion: 105 Resp: 164000

Ion Ratio Lower Upper

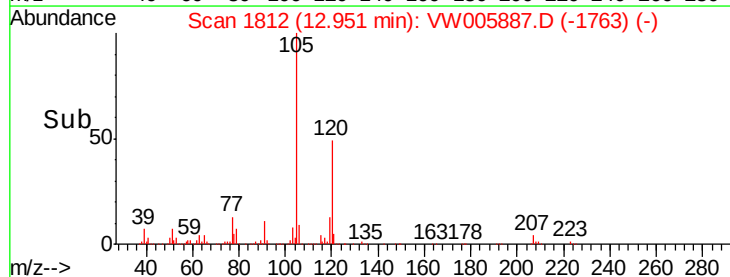
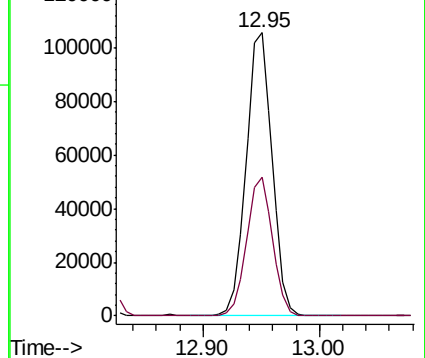
105 100

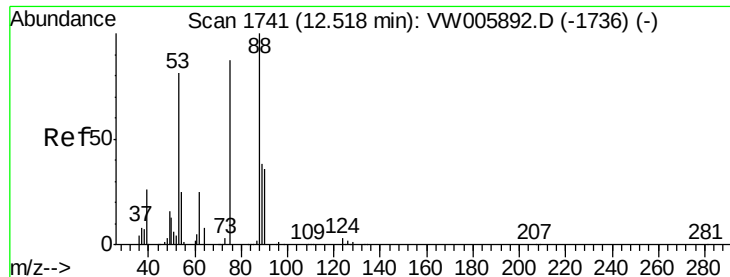
120 49.0 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

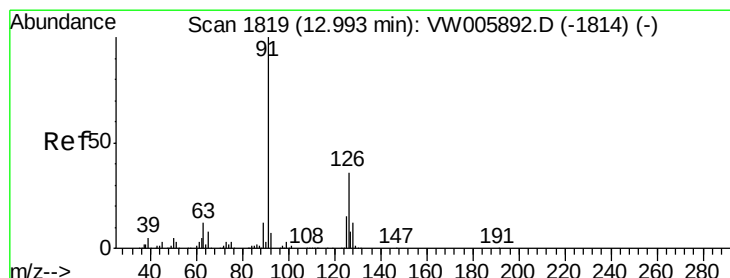
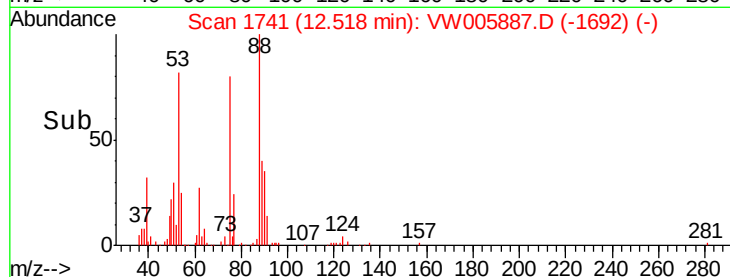
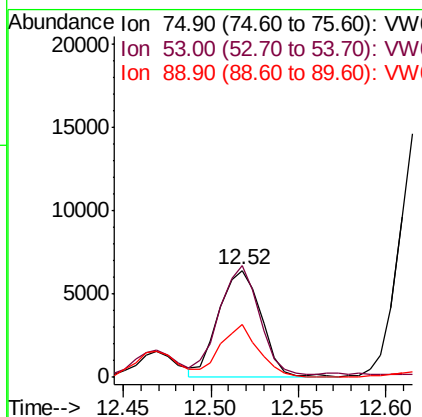
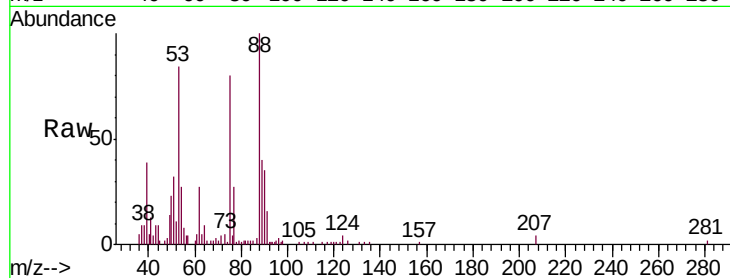




#81
trans-1,4-Dichloro-2-butene
Concen: 9.824 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VW005887.D
Acq: 08 Oct 2018 10:57

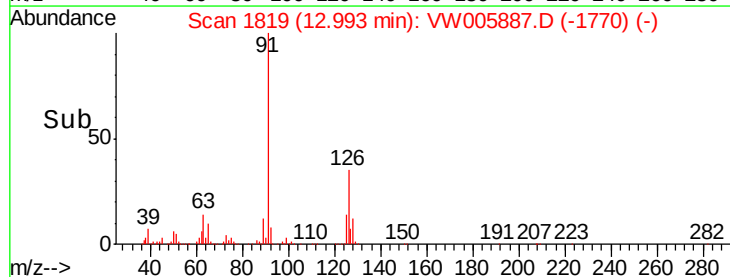
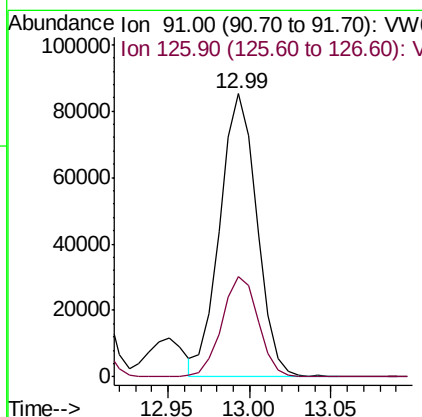
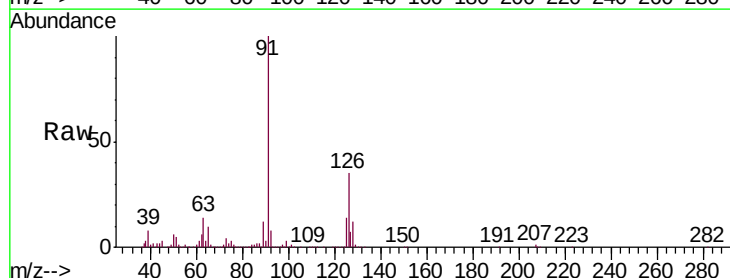
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

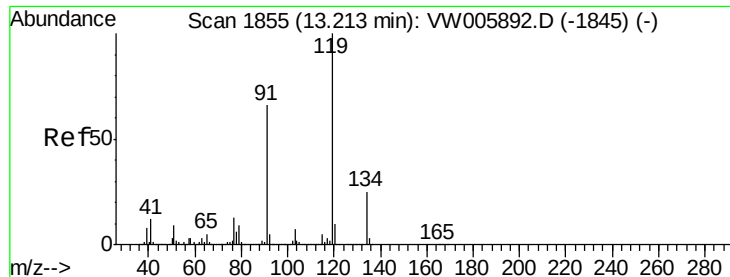
Tgt Ion: 75 Resp: 10892
Ion Ratio Lower Upper
75 100
53 95.6 76.5 114.7
89 43.8 37.6 56.4



#82
4-Chlorotoluene
Concen: 9.998 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW005887.D
Acq: 08 Oct 2018 10:57

Tgt Ion: 91 Resp: 133664
Ion Ratio Lower Upper
91 100
126 35.2 17.4 52.2





#83

tert-Butylbenzene

Concen: 10.127 ug/l

RT: 13.21 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW005887.D

Acq: 08 Oct 2018 10:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

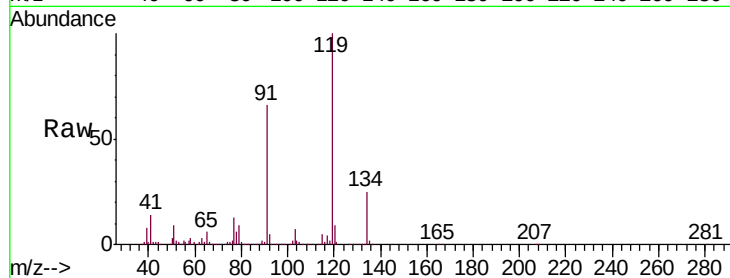
Tgt Ion:119 Resp: 145510

Ion Ratio Lower Upper

119 100

91 65.4 32.4 97.0

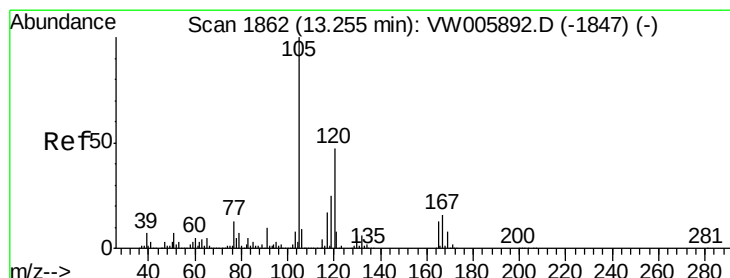
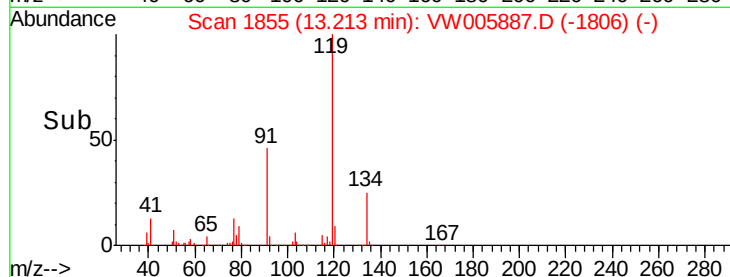
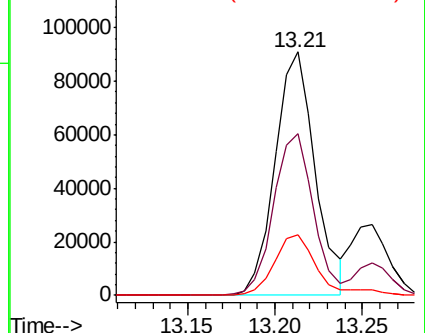
134 26.8 13.2 39.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VW

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 10.241 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW005887.D

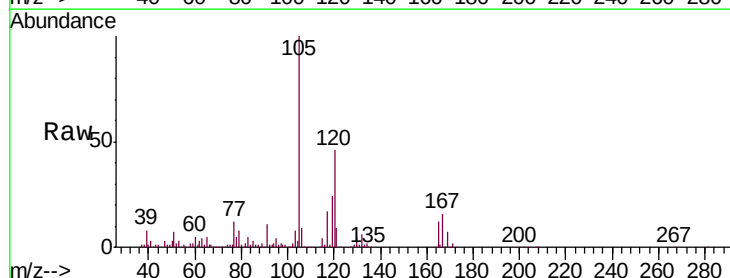
Acq: 08 Oct 2018 10:57

Tgt Ion:105 Resp: 166891

Ion Ratio Lower Upper

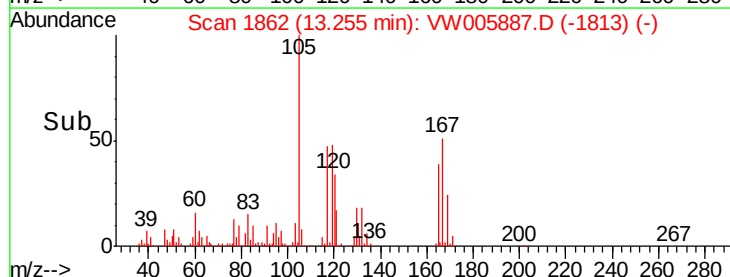
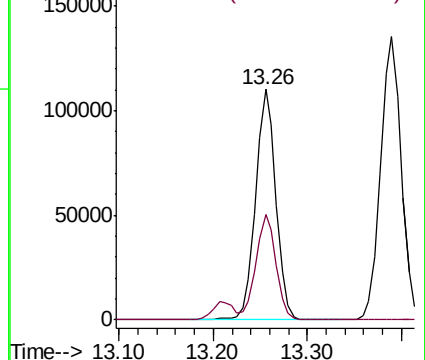
105 100

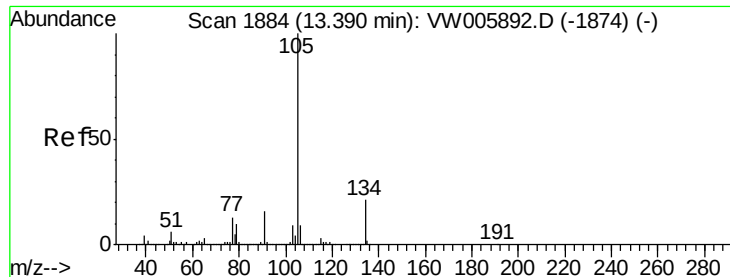
120 45.9 22.8 68.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

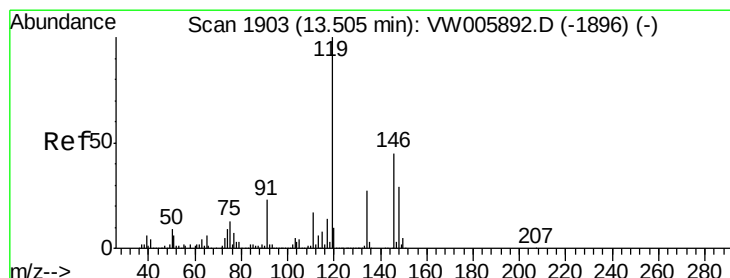
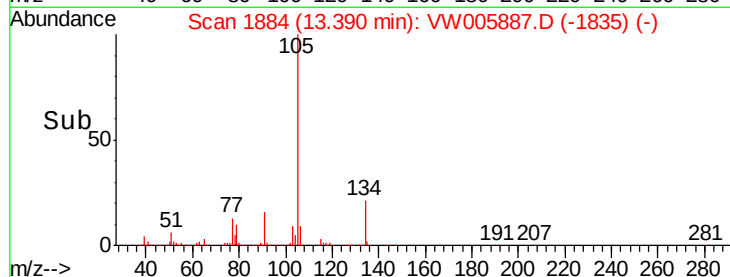
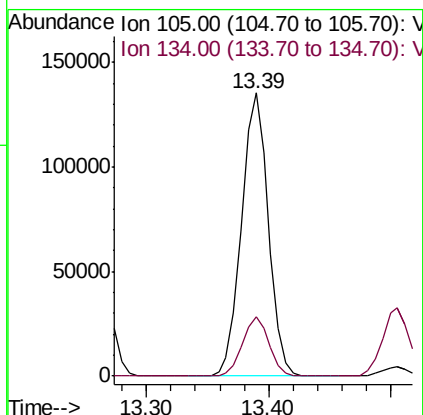
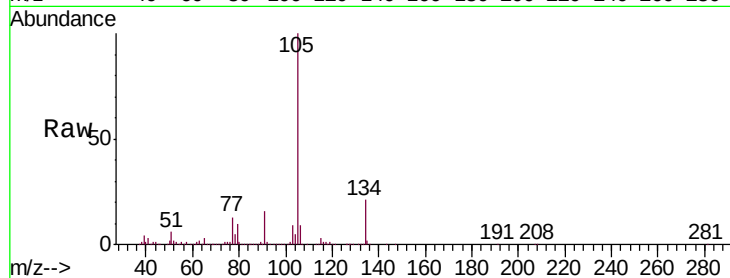




#85
 sec-Butylbenzene
 Concen: 10.132 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW005887.D
 Acq: 08 Oct 2018 10:57

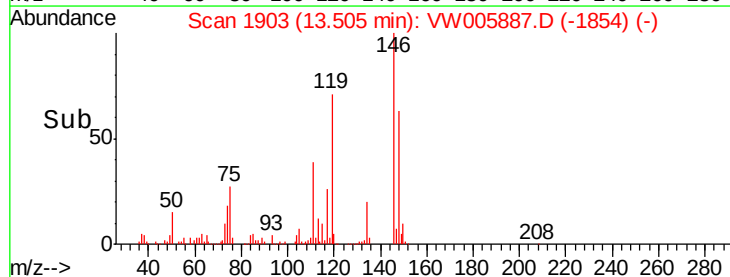
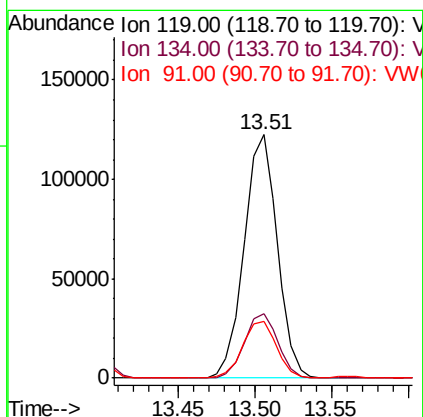
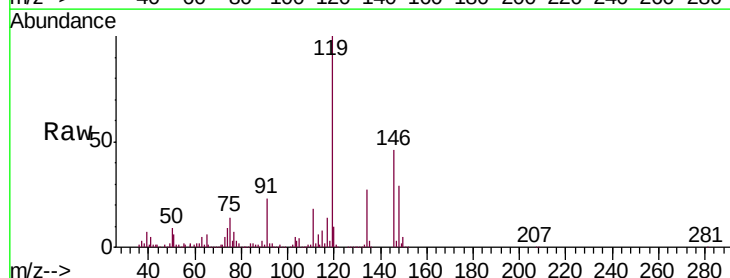
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

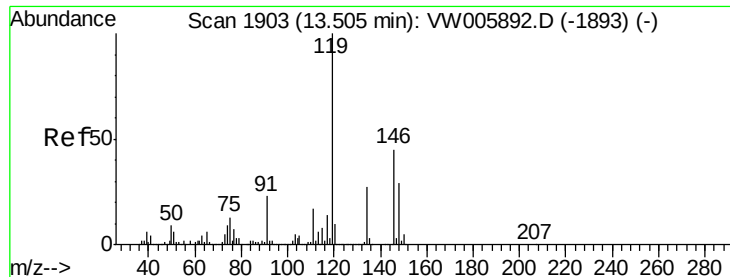
Tgt Ion:105 Resp: 204360
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.4 31.4



#86
 p-Isopropyltoluene
 Concen: 10.122 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW005887.D
 Acq: 08 Oct 2018 10:57

Tgt Ion:119 Resp: 183602
 Ion Ratio Lower Upper
 119 100
 134 27.2 13.5 40.5
 91 23.9 11.9 35.5

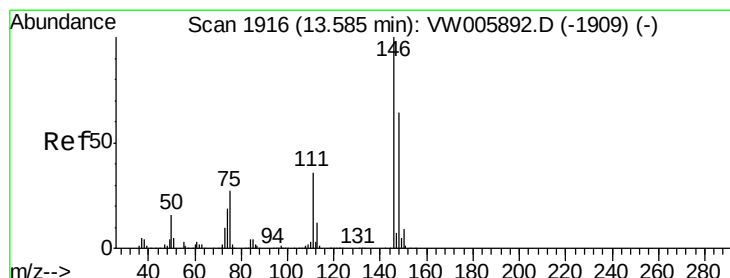
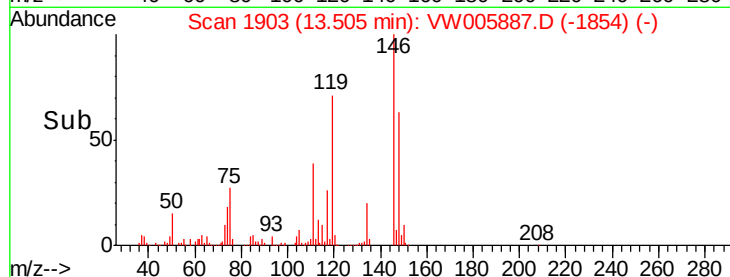
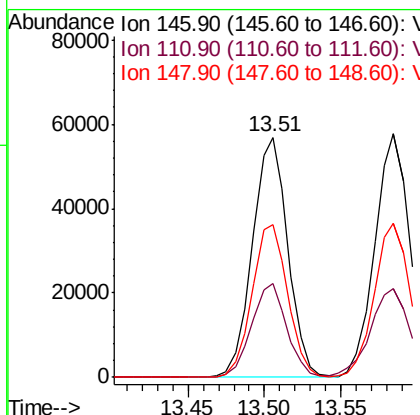
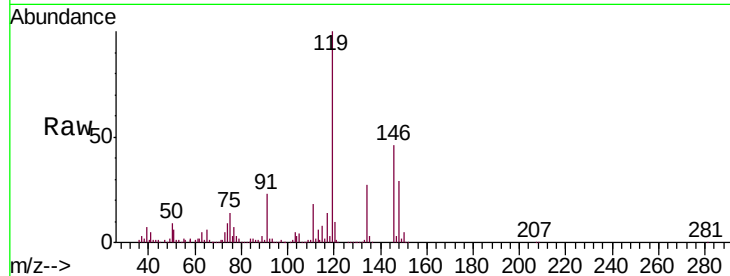




#87
 1,3-Dichlorobenzene
 Concen: 10.134 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW005887.D
 Acq: 08 Oct 2018 10:57

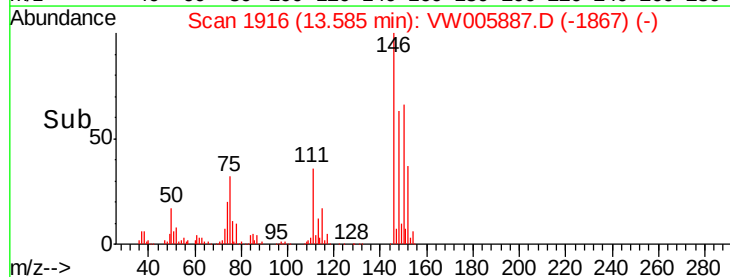
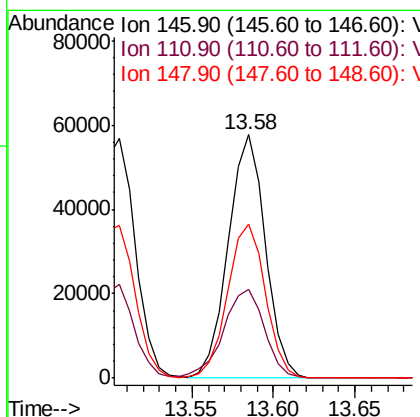
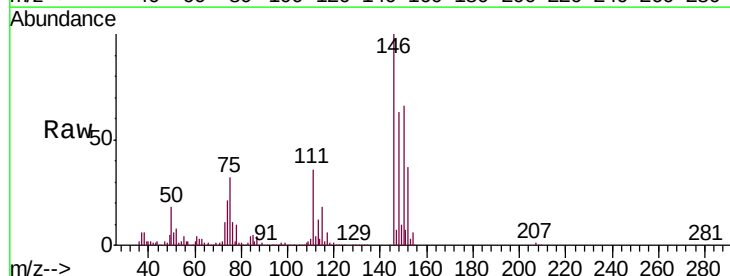
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

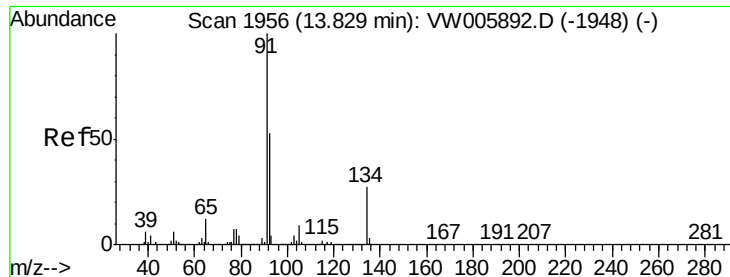
Tgt Ion:146 Resp: 91277
 Ion Ratio Lower Upper
 146 100
 111 39.1 19.5 58.5
 148 64.1 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 10.215 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW005887.D
 Acq: 08 Oct 2018 10:57

Tgt Ion:146 Resp: 91424
 Ion Ratio Lower Upper
 146 100
 111 40.2 19.0 57.0
 148 64.7 32.0 96.2





#89

n-Butylbenzene

Concen: 10.185 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW005887.D

Acq: 08 Oct 2018 10:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

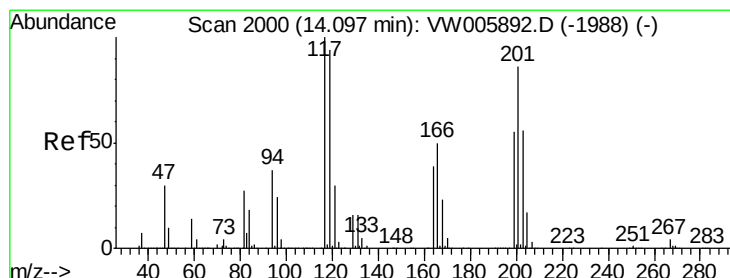
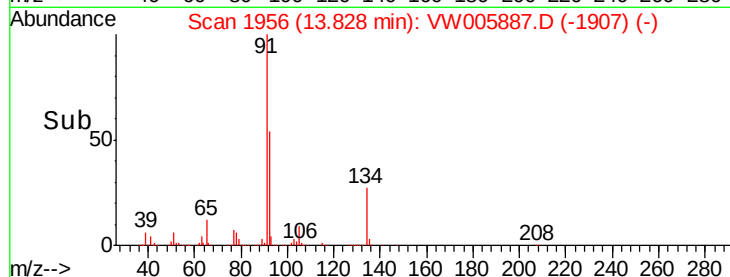
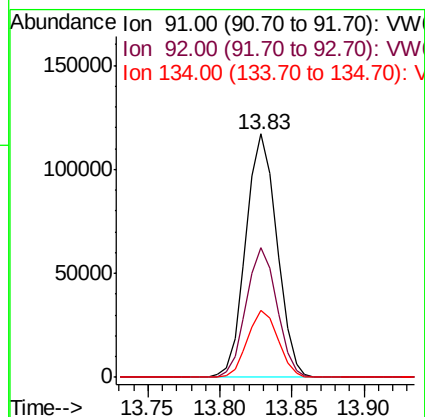
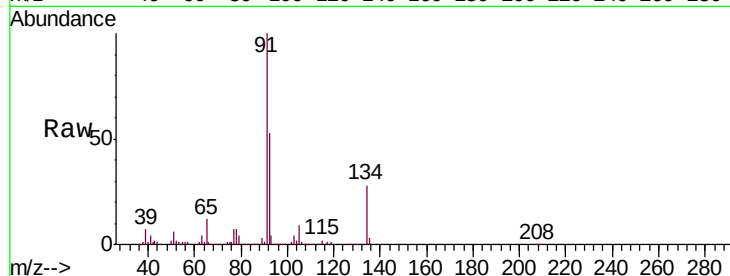
Tgt Ion: 91 Resp: 174142

Ion Ratio Lower Upper

91 100

92 53.0 26.6 79.8

134 27.4 13.8 41.4



#90

Hexachloroethane

Concen: 9.918 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW005887.D

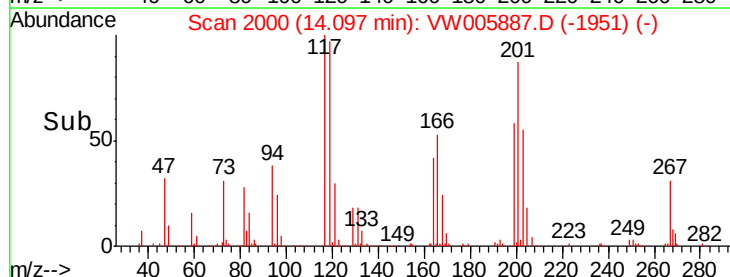
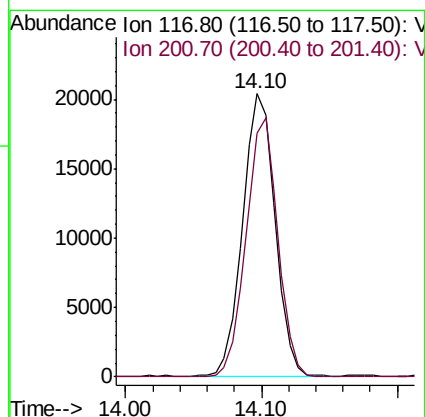
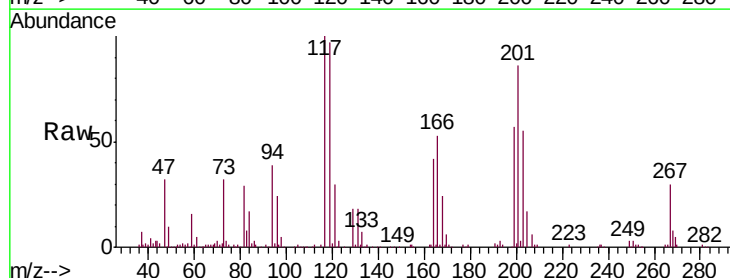
Acq: 08 Oct 2018 10:57

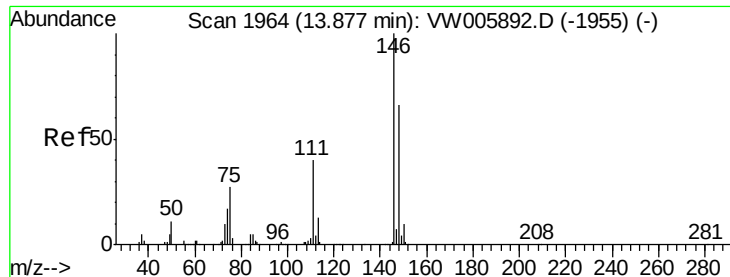
Tgt Ion: 117 Resp: 33836

Ion Ratio Lower Upper

117 100

201 90.0 44.5 133.5

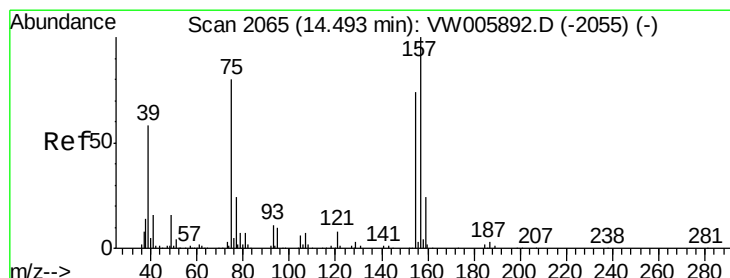
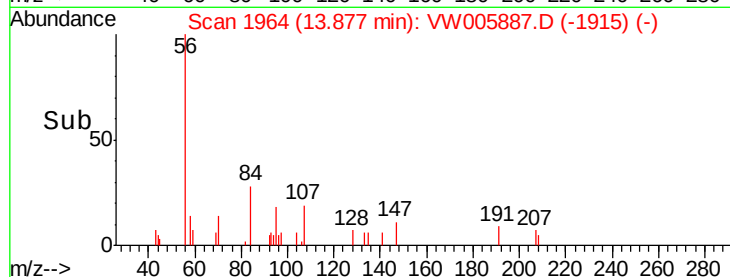
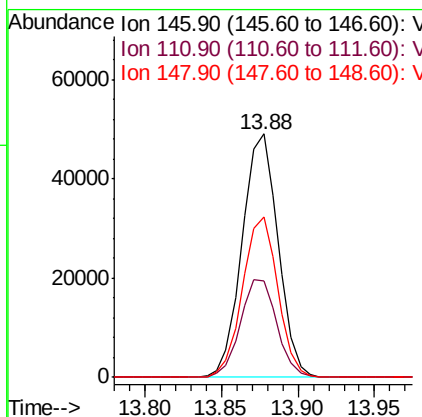
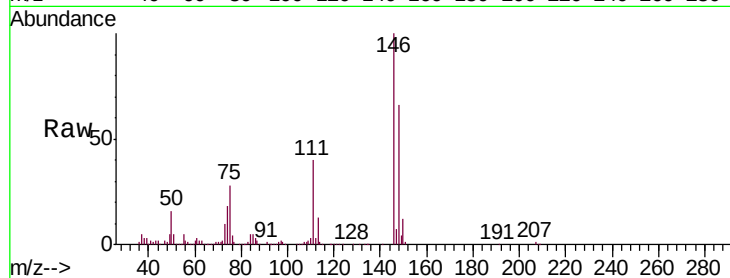




#91
 1,2-Dichlorobenzene
 Concen: 10.053 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW005887.D
 Acq: 08 Oct 2018 10:57

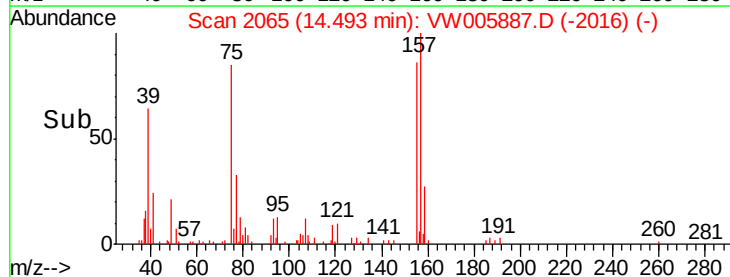
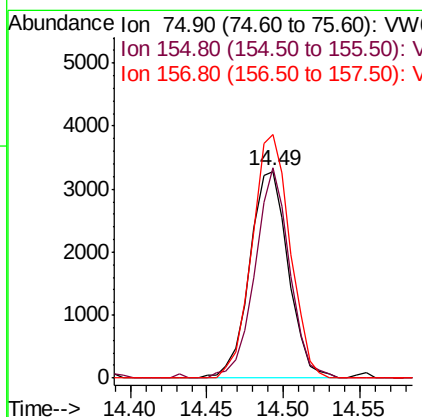
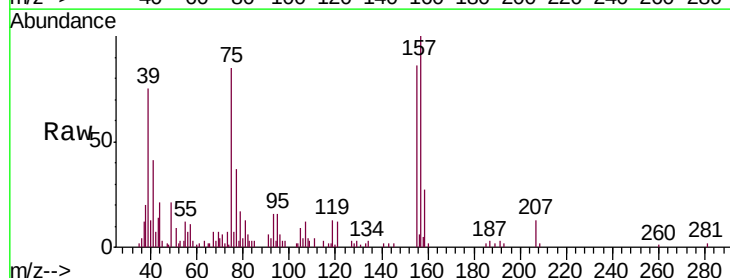
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

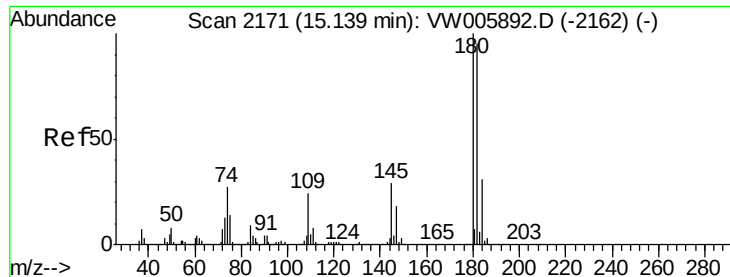
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.3	61.0
148	64.7	32.5	97.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 9.892 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. -0.00 min
 Lab File: VW005887.D
 Acq: 08 Oct 2018 10:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.9	44.8	134.3
157	115.7	58.9	176.6

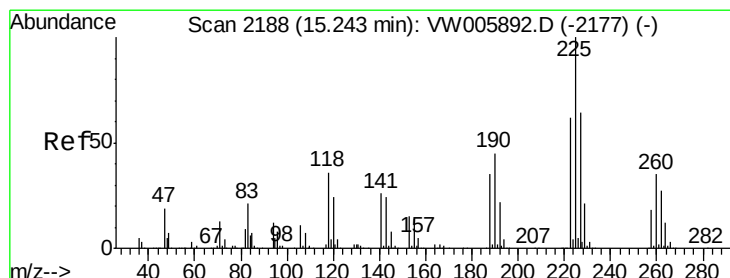
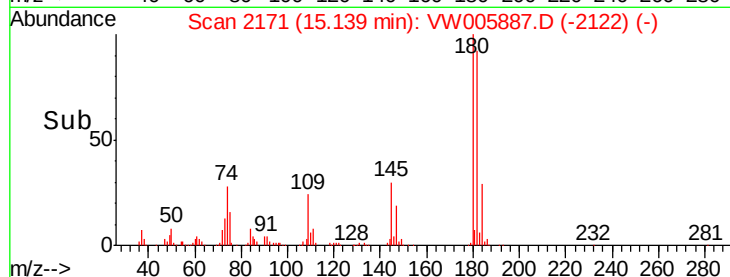
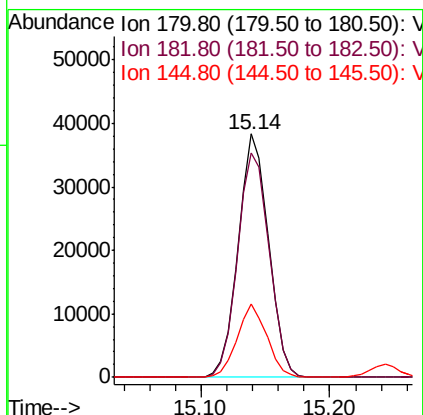
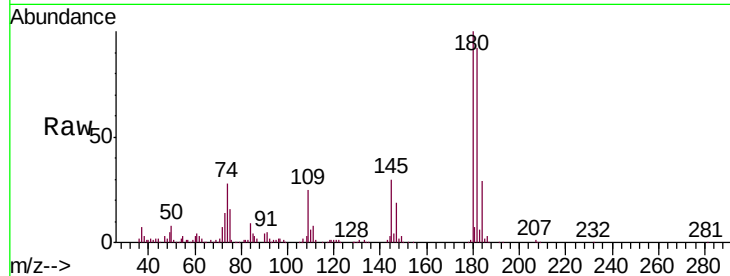




#93
 1,2,4-Trichlorobenzene
 Concen: 10.048 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW005887.D
 Acq: 08 Oct 2018 10:57

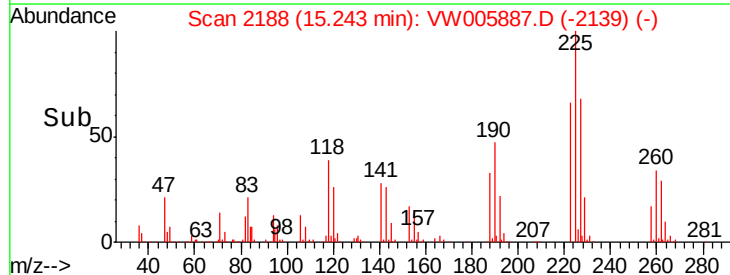
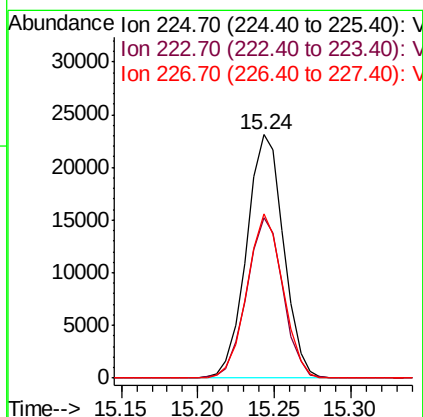
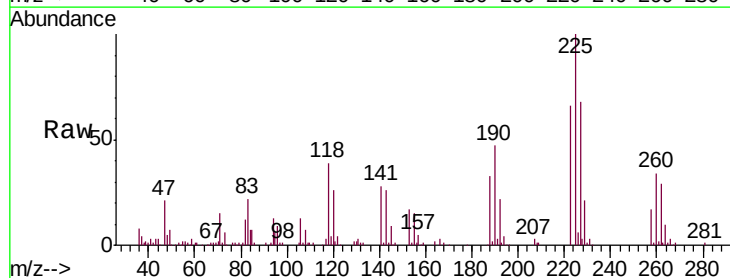
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

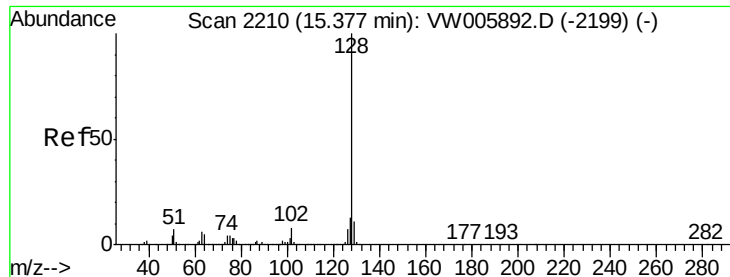
Tgt Ion:180 Resp: 62299
 Ion Ratio Lower Upper
 180 100
 182 96.0 47.8 143.3
 145 29.6 14.5 43.6



#94
 Hexachlorobutadiene
 Concen: 10.025 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW005887.D
 Acq: 08 Oct 2018 10:57

Tgt Ion:225 Resp: 38798
 Ion Ratio Lower Upper
 225 100
 223 64.1 31.2 93.6
 227 65.4 31.9 95.9

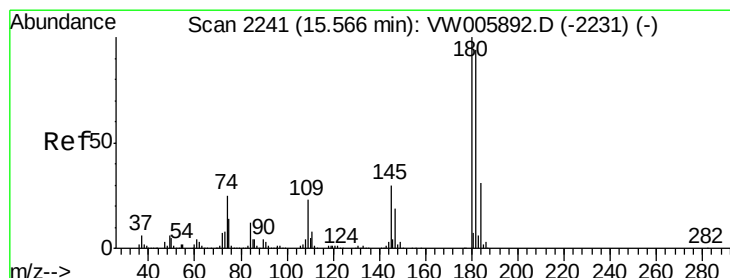
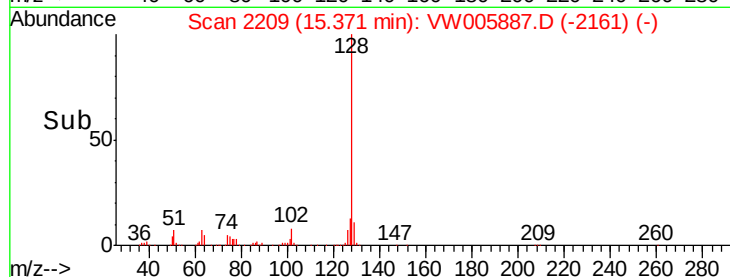
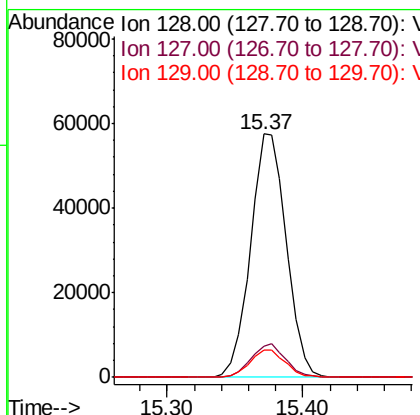
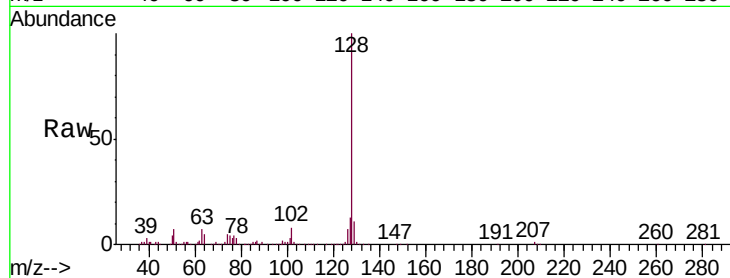




#95
Naphthalene
Concen: 9.903 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.01 min
Lab File: VW005887.D
Acq: 08 Oct 2018 10:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion:128 Resp: 105842
Ion Ratio Lower Upper
128 100
127 13.3 10.5 15.7
129 11.4 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 10.089 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW005887.D
Acq: 08 Oct 2018 10:57

Tgt Ion:180 Resp: 54166
Ion Ratio Lower Upper
180 100
182 94.5 47.6 142.8
145 30.9 15.3 45.9

