

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090118\
 Data File : VW005054.D
 Acq On : 31 Aug 2018 23:48
 Operator : SY/AP
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Quant Time: Sep 01 07:27:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 01 03:35:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	433647	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	645676	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	645027	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	351460	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	21146	5.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.76%	
35) Dibromofluoromethane	7.89	113	20079	5.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.76%	
50) Toluene-d8	10.33	98	86439	5.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.06%	
62) 4-Bromofluorobenzene	12.62	95	30688	5.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.12%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.00	85	19471	5.572 ug/l	99
3) Chloromethane	2.22	50	28489	5.618 ug/l	94
4) Vinyl Chloride	2.36	62	27149	5.505 ug/l	97
5) Bromomethane	2.77	94	21856	2.516 ug/l	98
6) Chloroethane	2.92	64	17199	5.603 ug/l	93
7) Trichlorofluoromethane	3.27	101	31315	5.645 ug/l	87
8) Diethyl Ether	3.70	74	10858	5.410 ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.07	101	22173	5.819 ug/l	99
10) Methyl Iodide	4.28	142	17556	6.666 ug/l	97
12) 1,1-Dichloroethene	4.04	96	18519	5.281 ug/l	94
13) Acrolein	3.90	56	6455	27.665 ug/l	100
14) Allyl chloride	4.68	41	27389	4.997 ug/l	98
15) Acrylonitrile	5.39	53	21835	25.792 ug/l	98
16) Acetone	4.14	43	20767	28.806 ug/l	93
17) Carbon Disulfide	4.39	76	63856	5.226 ug/l	97
18) Methyl Acetate	4.68	43	12968	6.115 ug/l	98
19) Methyl tert-butyl Ether	5.43	73	41082	4.825 ug/l	99
20) Methylene Chloride	4.93	84	45977	6.016 ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	22720	5.318 ug/l	97
22) Diisopropyl ether	6.32	45	52033	4.511 ug/l	97
23) Vinyl Acetate	6.26	43	134492	22.199 ug/l	99
24) 1,1-Dichloroethane	6.23	63	39247	5.444 ug/l	98
25) 2-Butanone	7.18	43	35186	28.139 ug/l	94
26) 2,2-Dichloropropane	7.18	77	36846	6.219 ug/l	93
27) cis-1,2-Dichloroethene	7.18	96	24877	5.323 ug/l	92
28) Bromochloromethane	7.53	49	15962	5.501 ug/l	99
29) Tetrahydrofuran	7.54	42	16205	25.363 ug/l	95
30) Chloroform	7.68	83	40649	5.524 ug/l	99
31) Cyclohexane	7.96	56	40388	5.721 ug/l #	81
32) 1,1,1-Trichloroethane	7.88	97	35741	5.577 ug/l	98
36) 1,1-Dichloropropene	8.09	75	31583	5.136 ug/l	99
37) Ethyl Acetate	7.26	43	11929	5.187 ug/l	98
38) Carbon Tetrachloride	8.07	117	32379	5.538 ug/l	97
39) Methylcyclohexane	9.34	83	34703	4.666 ug/l	90

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090118\
 Data File : VW005054.D
 Acq On : 31 Aug 2018 23:48
 Operator : SY/AP
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Quant Time: Sep 01 07:27:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 01 03:35:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	8.33	78	96349	5.118	ug/l	98
41) Methacrylonitrile	7.49	41	6000	4.503	ug/l #	65
42) 1,2-Dichloroethane	8.41	62	25960	5.635	ug/l	99
43) Isopropyl Acetate	8.43	43	20091	4.801	ug/l	96
44) Trichloroethene	9.10	130	27059	5.327	ug/l	97
45) 1,2-Dichloropropane	9.37	63	24432	5.313	ug/l	97
46) Dibromomethane	9.46	93	11762	5.349	ug/l	97
47) Bromodichloromethane	9.65	83	30011	5.420	ug/l	99
48) Methyl methacrylate	9.45	41	8639	4.287	ug/l	96
49) 1,4-Dioxane	9.47	88	3507	98.615	ug/l #	89
51) 4-Methyl-2-Pentanone	10.21	43	64883	23.134	ug/l	98
52) Toluene	10.40	92	62096	4.868	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	25672	4.718	ug/l	93
54) cis-1,3-Dichloropropene	10.08	75	31410	4.747	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	18184	5.341	ug/l	99
56) Ethyl methacrylate	10.65	69	16565	4.264	ug/l	94
57) 1,3-Dichloropropane	10.94	76	28702	5.120	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	39599	21.514	ug/l	99
59) 2-Hexanone	10.98	43	43303	22.828	ug/l	96
60) Dibromochloromethane	11.13	129	19481	5.061	ug/l	99
61) 1,2-Dibromoethane	11.24	107	15742	5.121	ug/l	99
64) Tetrachloroethene	10.87	164	26561	5.248	ug/l	97
65) Chlorobenzene	11.66	112	74099	5.103	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	22577	5.088	ug/l	98
67) Ethyl Benzene	11.74	91	114904	4.681	ug/l	100
68) m/p-Xylenes	11.85	106	90221	9.179	ug/l	99
69) o-Xylene	12.17	106	41714	4.590	ug/l	97
70) Styrene	12.19	104	65576	4.368	ug/l	99
71) Bromoform	12.35	173	11563	4.916	ug/l #	99
73) Isopropylbenzene	12.47	105	106545	4.299	ug/l	99
74) N-amyl acetate	12.28	43	18249	4.277	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	19089	5.060	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	24549	9.305	ug/l #	100
77) Bromobenzene	12.75	156	29695	4.863	ug/l	98
78) n-propylbenzene	12.81	91	132013	4.413	ug/l	100
79) 2-Chlorotoluene	12.90	91	80979	4.640	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	94190	4.395	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	5227	4.769	ug/l	96
82) 4-Chlorotoluene	12.99	91	87020	4.722	ug/l	99
83) tert-Butylbenzene	13.21	119	77320	4.320	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	95428	4.372	ug/l	99
85) sec-Butylbenzene	13.39	105	117880	4.482	ug/l	99
86) p-Isopropyltoluene	13.51	119	100053	4.297	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	64209	5.119	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	65742	5.284	ug/l	96
89) n-Butylbenzene	13.83	91	97417	4.515	ug/l	98
90) Hexachloroethane	14.10	117	18347	4.744	ug/l	96
91) 1,2-Dichlorobenzene	13.88	146	56134	5.135	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.50	75	3312	5.618	ug/l	88
93) 1,2,4-Trichlorobenzene	15.15	180	36069	4.920	ug/l	99

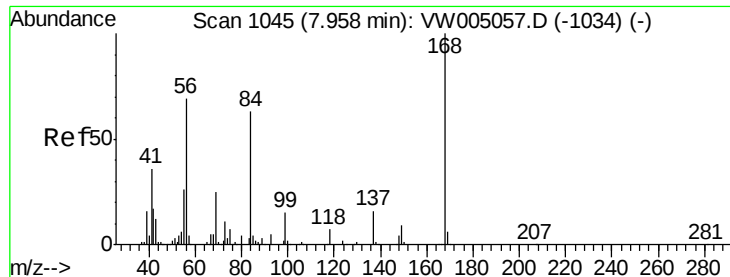
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090118\
Data File : VW005054.D
Acq On : 31 Aug 2018 23:48
Operator : SY/AP
Sample : VSTDICC005
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Quant Time: Sep 01 07:27:28 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
Quant Title : SW846 8260
QLast Update : Sat Sep 01 03:35:05 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.24	225	23479	5.150	ug/l	99
95) Naphthalene	15.38	128	49021	7.540	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	31322	4.993	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.00 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

Instrument :

MSVOA_W

ClientSampleId :

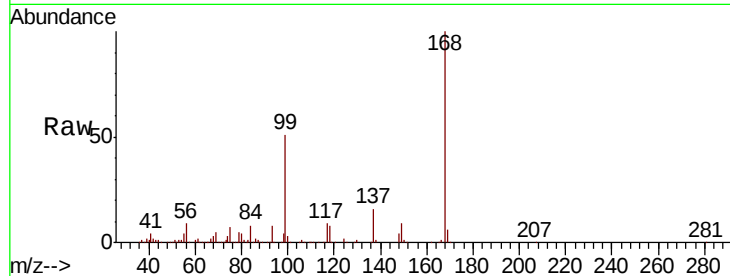
VSTDIC005

Tgt Ion:168 Resp: 433647

Ion Ratio Lower Upper

168 100

99 50.9 39.4 59.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

200000

150000

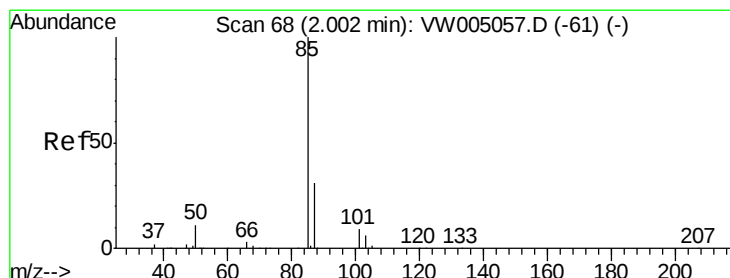
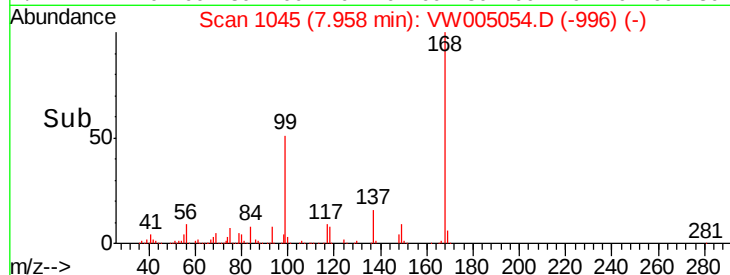
100000

50000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 5.572 ug/l

RT: 2.00 min Scan# 68

Delta R.T. -0.00 min

Lab File: VW005054.D

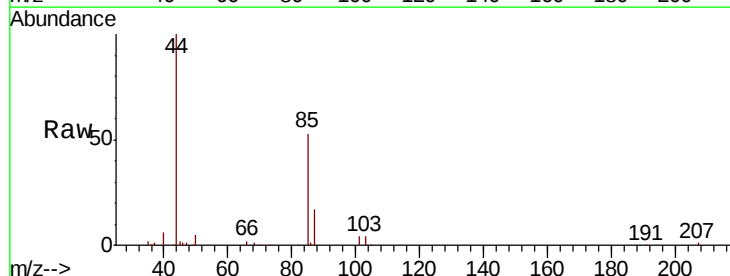
Acq: 31 Aug 2018 23:48

Tgt Ion: 85 Resp: 19471

Ion Ratio Lower Upper

85 100

87 32.1 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

15000

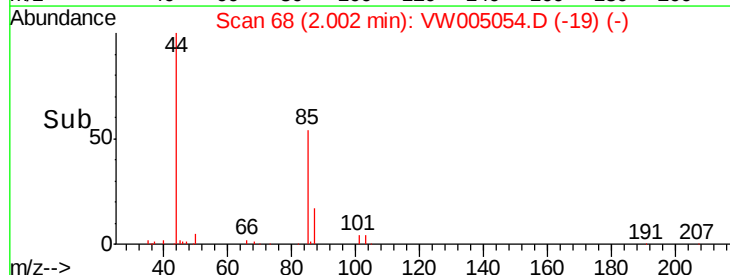
10000

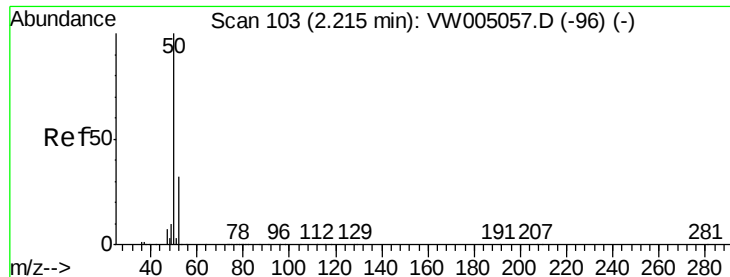
5000

0

1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 5.618 ug/l

RT: 2.22 min Scan# 103

Delta R.T. -0.00 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

Instrument :

MSVOA_W

ClientSampleId :

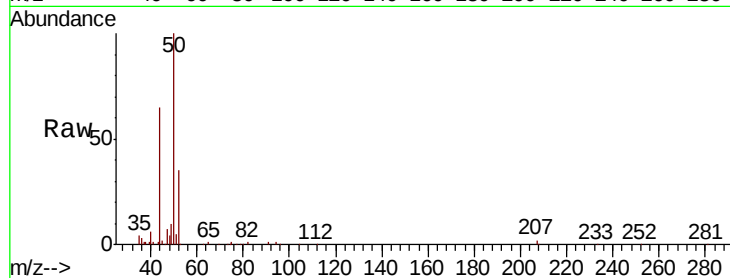
VSTDIC005

Tgt Ion: 50 Resp: 28489

Ion Ratio Lower Upper

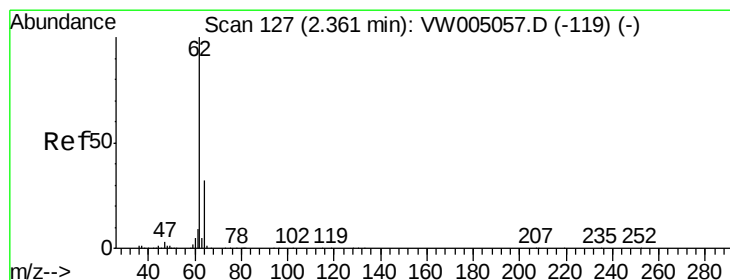
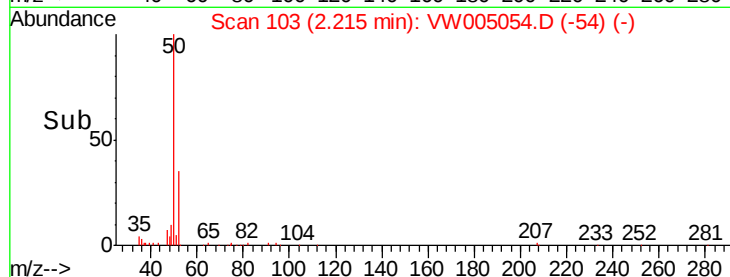
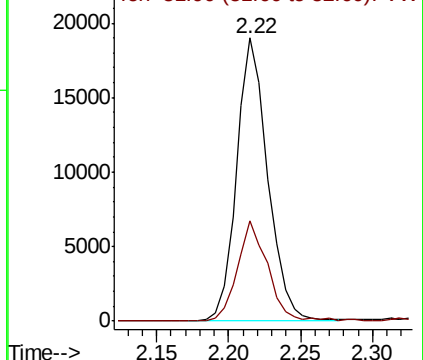
50 100

52 35.5 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 5.505 ug/l

RT: 2.36 min Scan# 127

Delta R.T. -0.00 min

Lab File: VW005054.D

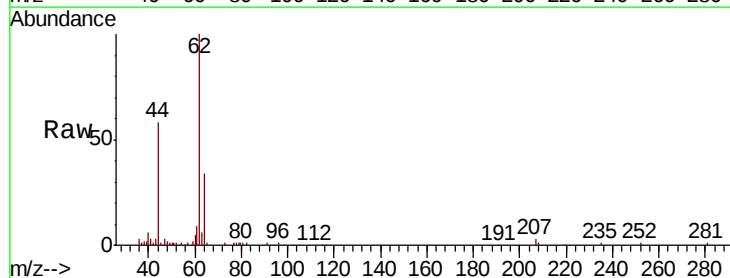
Acq: 31 Aug 2018 23:48

Tgt Ion: 62 Resp: 27149

Ion Ratio Lower Upper

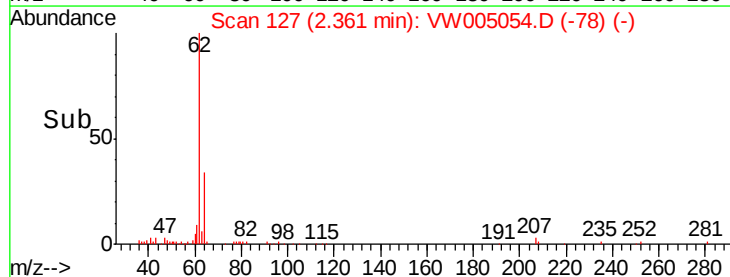
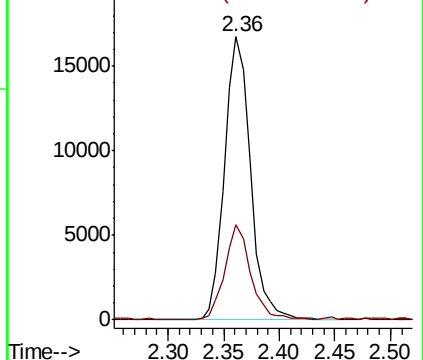
62 100

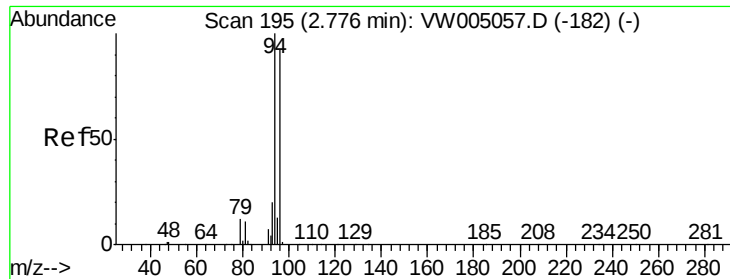
64 33.7 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 2.516 ug/l

RT: 2.77 min Scan# 194

Delta R.T. -0.01 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

Instrument :

MSVOA_W

ClientSampleId :

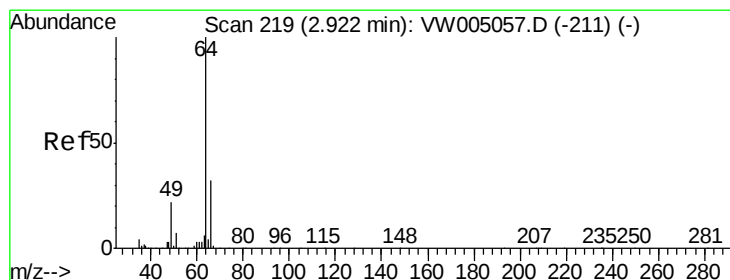
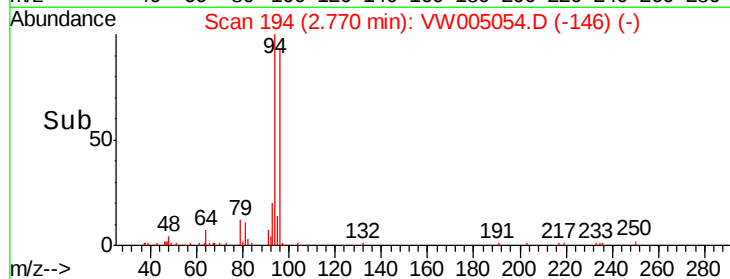
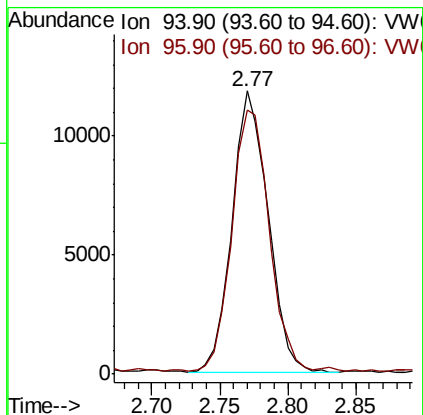
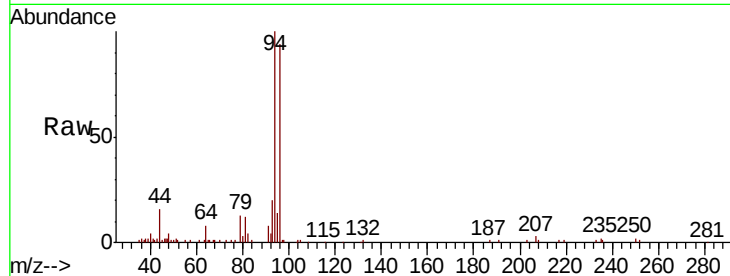
VSTDIC005

Tgt Ion: 94 Resp: 21856

Ion Ratio Lower Upper

94 100

96 93.0 73.2 109.8



#6

Chloroethane

Concen: 5.603 ug/l

RT: 2.92 min Scan# 219

Delta R.T. -0.00 min

Lab File: VW005054.D

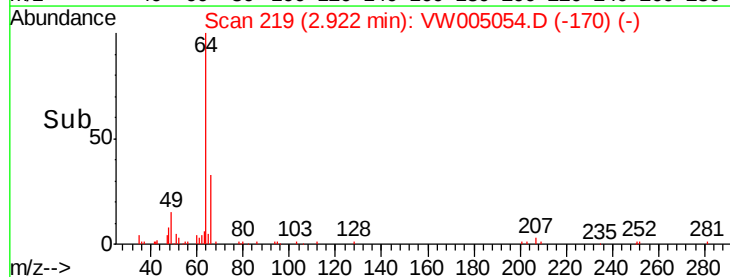
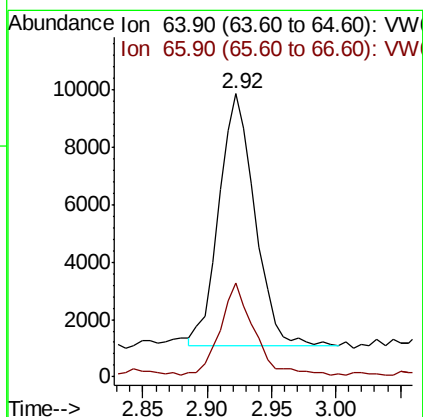
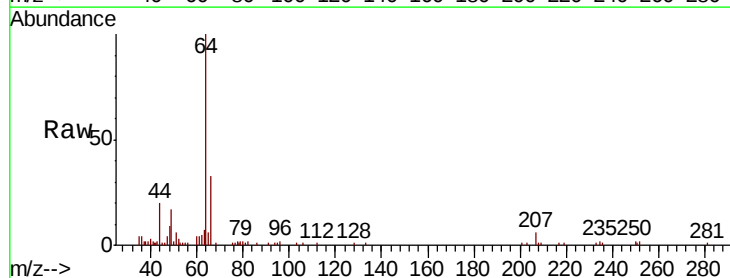
Acq: 31 Aug 2018 23:48

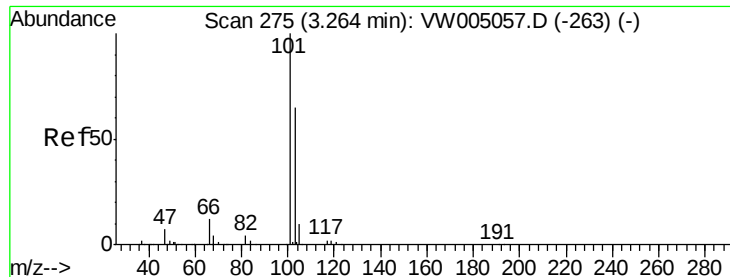
Tgt Ion: 64 Resp: 17199

Ion Ratio Lower Upper

64 100

66 36.0 25.7 38.5



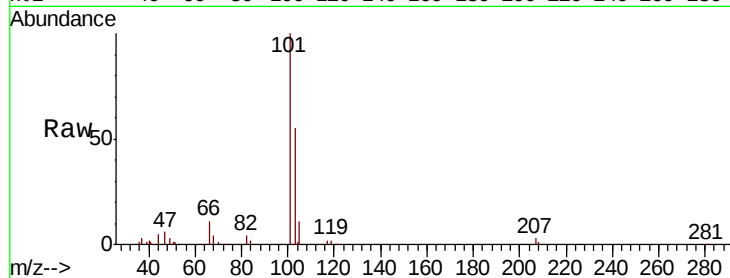


#7

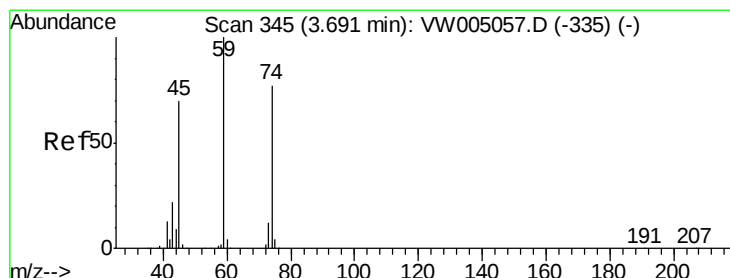
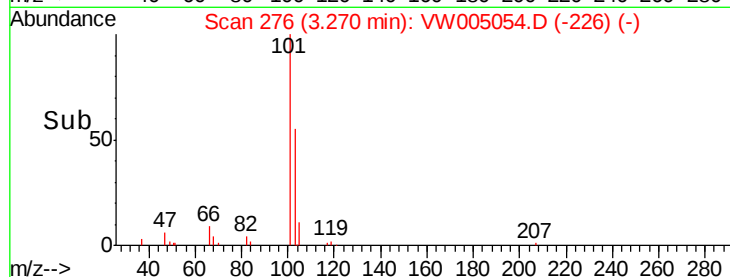
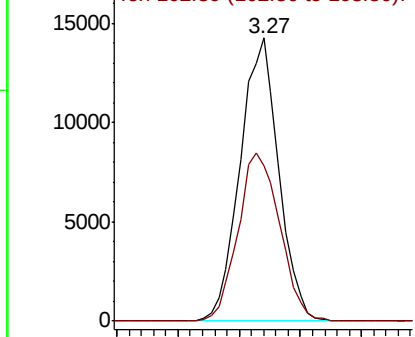
Trichlorofluoromethane
 Concen: 5.645 ug/l
 RT: 3.27 min Scan# 276
 Delta R.T. 0.01 min
 Lab File: VW005054.D
 Acq: 31 Aug 2018 23:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion: 101 Resp: 31315
 Ion Ratio Lower Upper
 101 100
 103 54.8 51.9 77.9



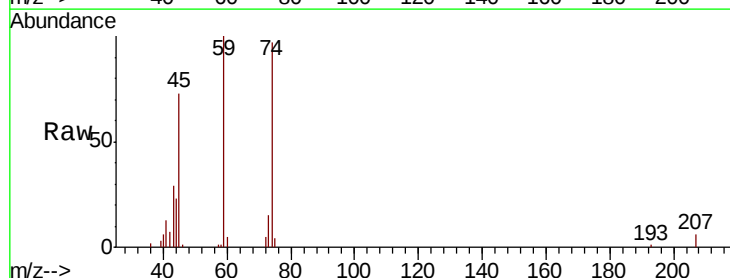
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



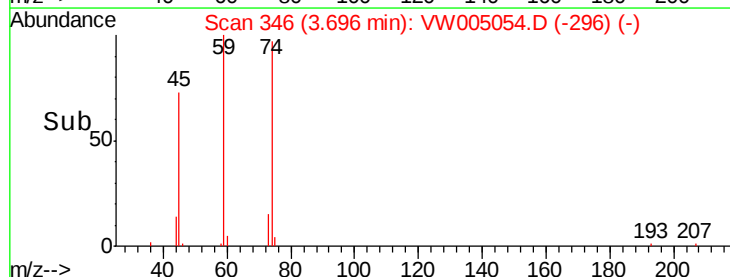
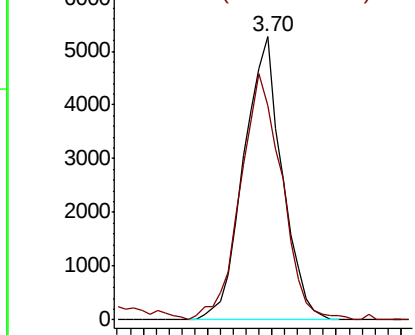
#8

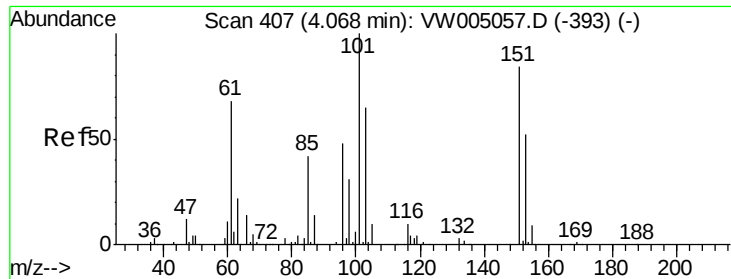
Diethyl Ether
 Concen: 5.410 ug/l
 RT: 3.70 min Scan# 346
 Delta R.T. 0.01 min
 Lab File: VW005054.D
 Acq: 31 Aug 2018 23:48

Tgt Ion: 74 Resp: 10858
 Ion Ratio Lower Upper
 74 100
 45 94.2 46.0 137.8



Abundance Ion 74.00 (73.70 to 74.70): VW
 Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.819 ug/l

RT: 4.07 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

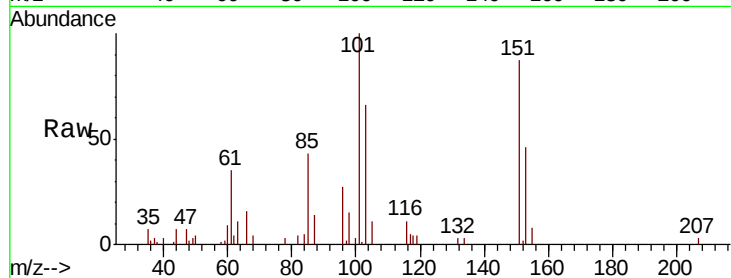
Tgt Ion:101 Resp: 22173

Ion Ratio Lower Upper

101 100

85 41.8 33.0 49.6

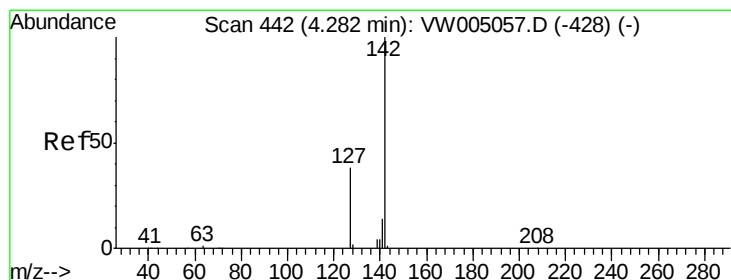
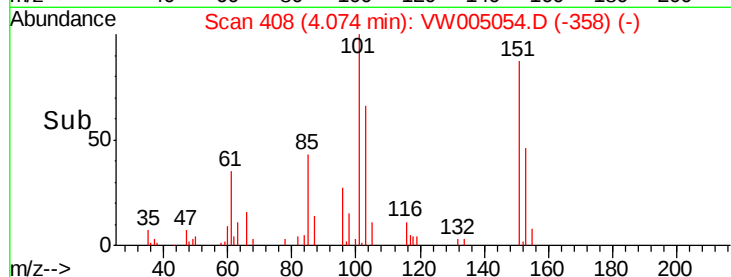
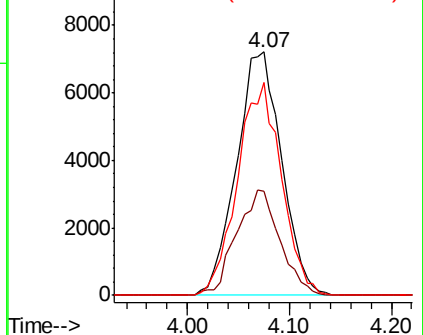
151 84.9 67.0 100.6



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: 6.666 ug/l

RT: 4.28 min Scan# 442

Delta R.T. 0.00 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

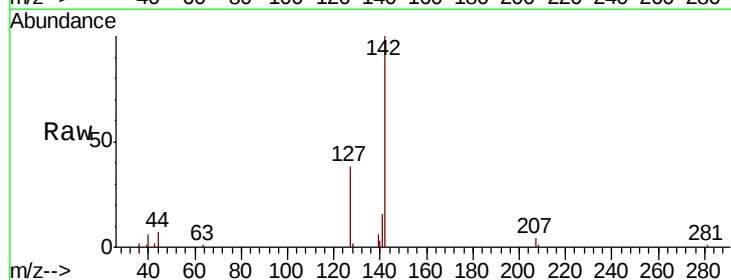
Tgt Ion:142 Resp: 17556

Ion Ratio Lower Upper

142 100

127 39.9 30.8 46.2

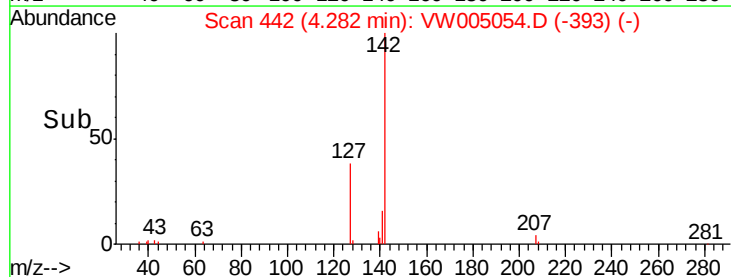
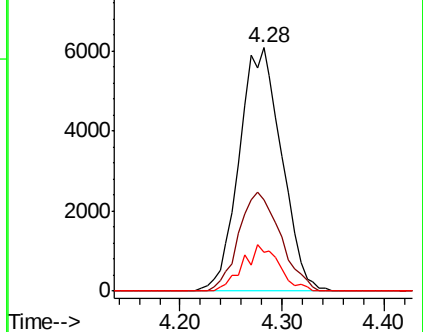
141 16.2 11.6 17.4

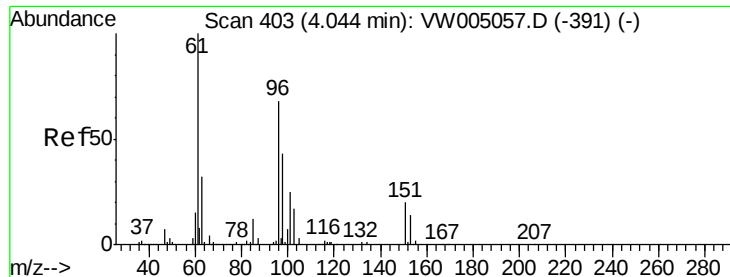


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#12

1,1-Dichloroethene

Concen: 5.281 ug/l

RT: 4.04 min Scan# 403

Delta R.T. -0.00 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

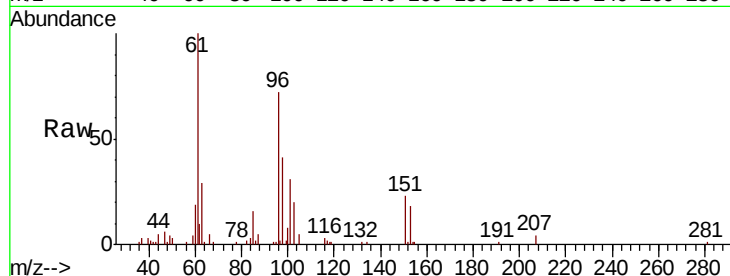
Tgt Ion: 96 Resp: 18519

Ion Ratio Lower Upper

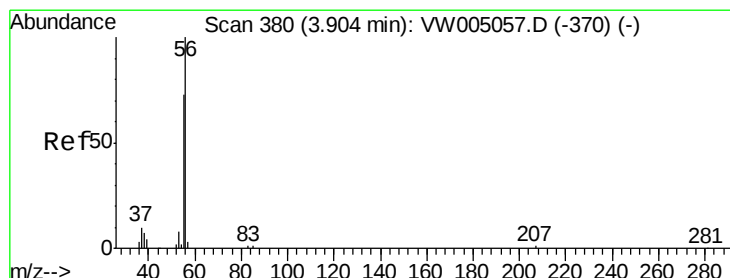
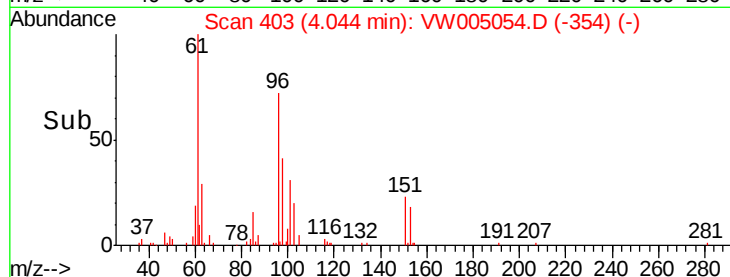
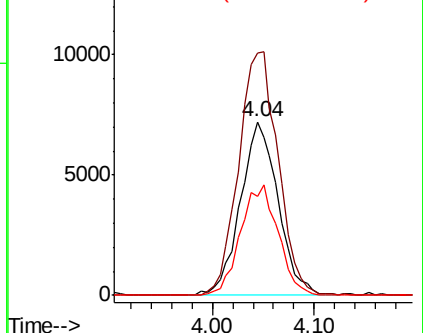
96 100

61 139.6 117.4 176.0

98 57.3 51.0 76.4



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: 27.665 ug/l

RT: 3.90 min Scan# 380

Delta R.T. -0.00 min

Lab File: VW005054.D

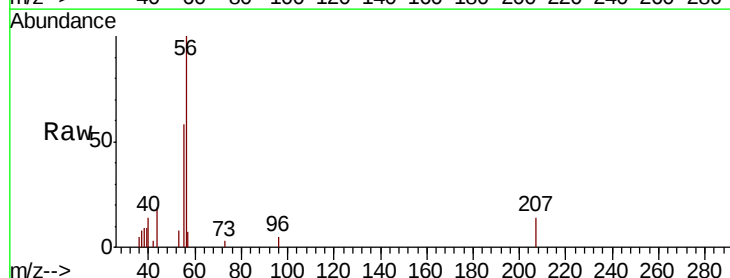
Acq: 31 Aug 2018 23:48

Tgt Ion: 56 Resp: 6455

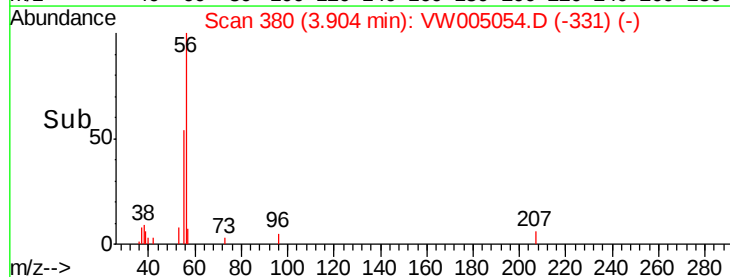
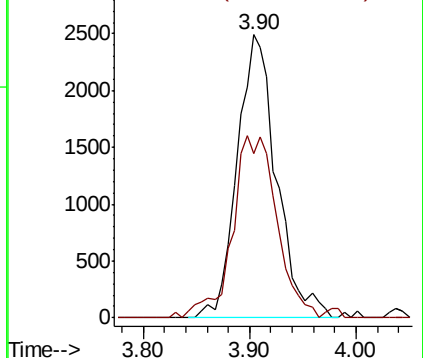
Ion Ratio Lower Upper

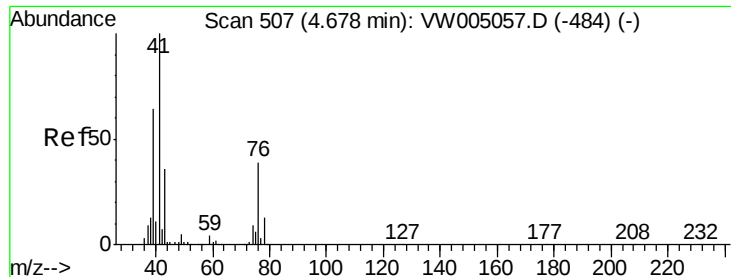
56 100

55 72.3 58.1 87.1



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 55.00 (54.70 to 55.70): VW

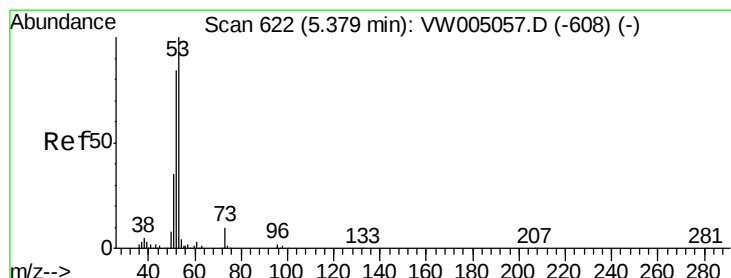
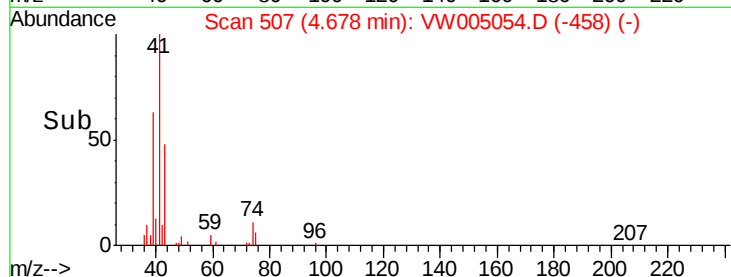
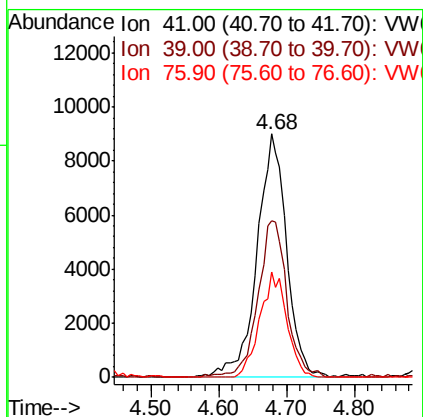
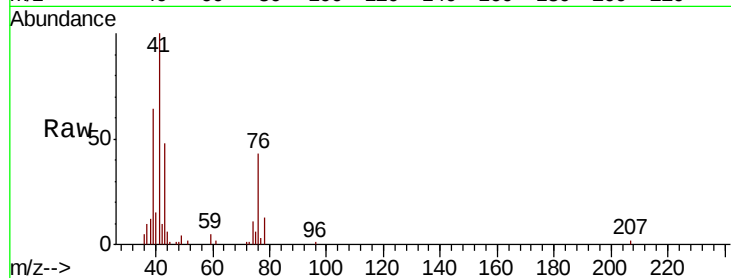




#14
 Allyl chloride
 Concen: 4.997 ug/l
 RT: 4.68 min Scan# 507
 Delta R.T. -0.00 min
 Lab File: VW005054.D
 Acq: 31 Aug 2018 23:48

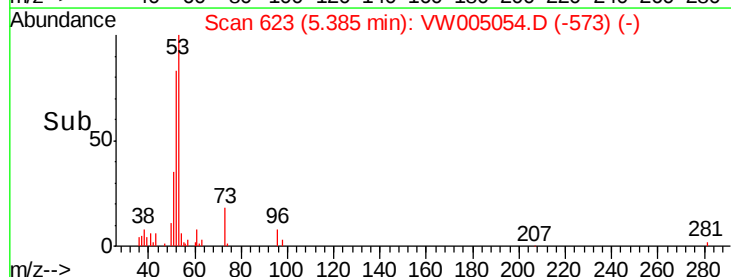
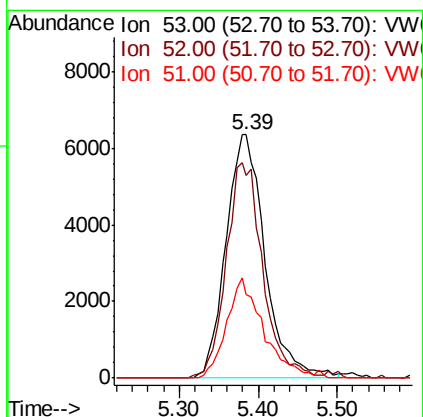
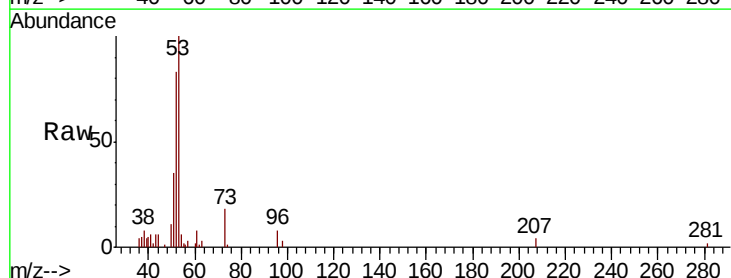
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

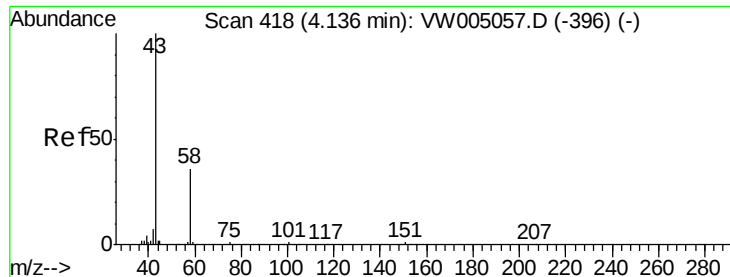
Tgt Ion: 41 Resp: 27389
 Ion Ratio Lower Upper
 41 100
 39 63.2 49.4 74.2
 76 38.9 31.8 47.6



#15
 Acrylonitrile
 Concen: 25.792 ug/l
 RT: 5.39 min Scan# 623
 Delta R.T. 0.01 min
 Lab File: VW005054.D
 Acq: 31 Aug 2018 23:48

Tgt Ion: 53 Resp: 21835
 Ion Ratio Lower Upper
 53 100
 52 83.0 65.7 98.5
 51 38.6 28.8 43.2





#16

Acetone

Concen: 28.806 ug/l

RT: 4.14 min Scan# 418

Delta R.T. -0.00 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

Instrument :

MSVOA_W

ClientSampleId :

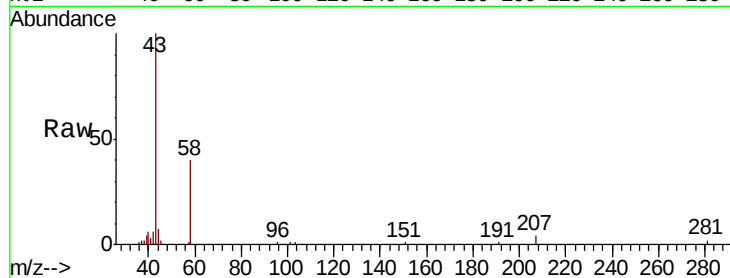
VSTDIC005

Tgt Ion: 43 Resp: 20767

Ion Ratio Lower Upper

43 100

58 40.2 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

8000

6000

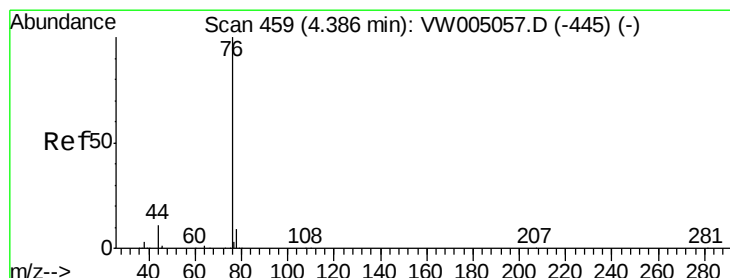
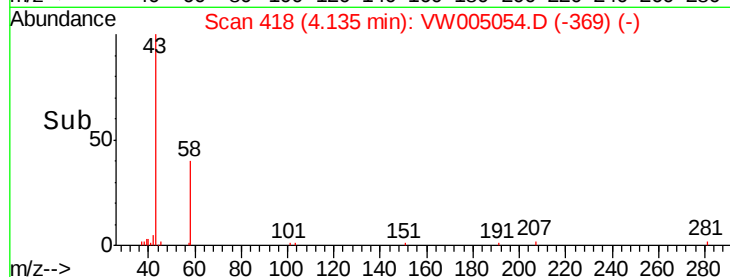
4000

2000

0

Time-->

4.00 4.10 4.20 4.30



#17

Carbon Disulfide

Concen: 5.226 ug/l

RT: 4.39 min Scan# 459

Delta R.T. -0.00 min

Lab File: VW005054.D

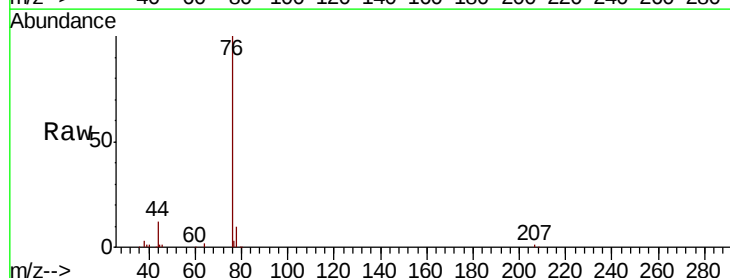
Acq: 31 Aug 2018 23:48

Tgt Ion: 76 Resp: 63856

Ion Ratio Lower Upper

76 100

78 10.0 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.39

25000

20000

15000

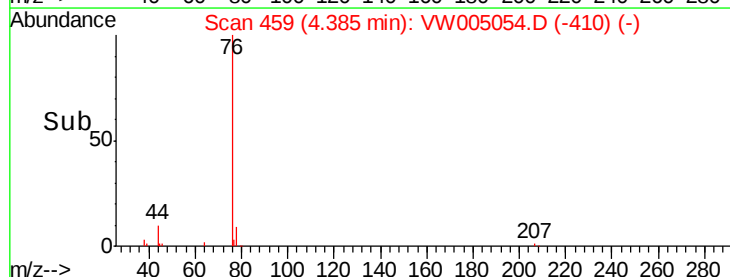
10000

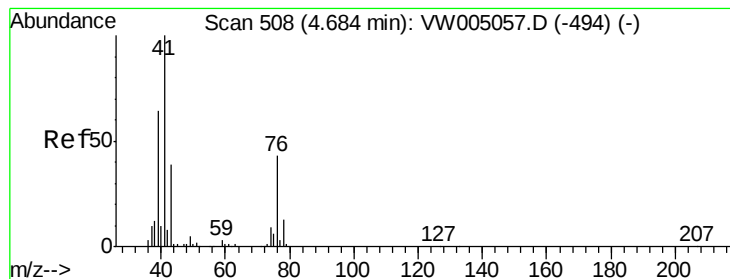
5000

0

Time-->

4.30 4.40 4.50





#18

Methyl Acetate

Concen: 6.115 ug/l

RT: 4.68 min Scan# 508

Delta R.T. -0.00 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

Instrument :

MSVOA_W

ClientSampleId :

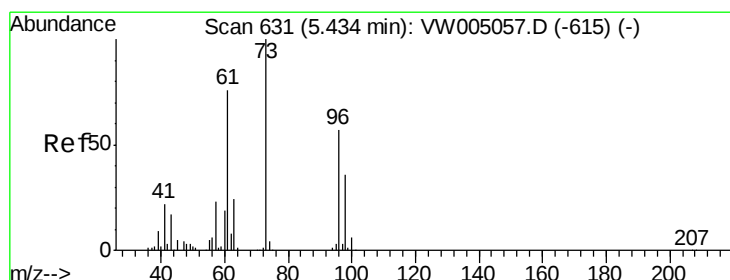
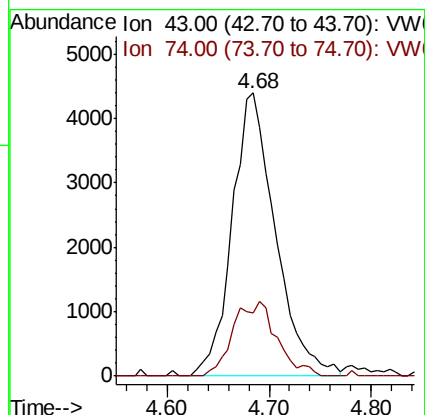
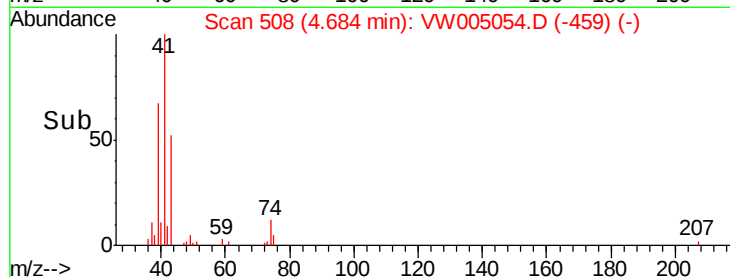
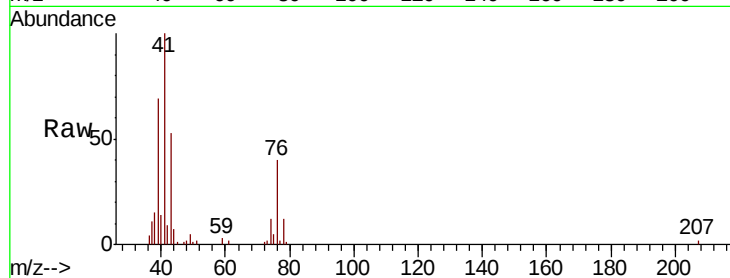
VSTDIC005

Tgt Ion: 43 Resp: 12968

Ion Ratio Lower Upper

43 100

74 26.7 20.7 31.1



#19

Methyl tert-butyl Ether

Concen: 4.825 ug/l

RT: 5.43 min Scan# 631

Delta R.T. -0.00 min

Lab File: VW005054.D

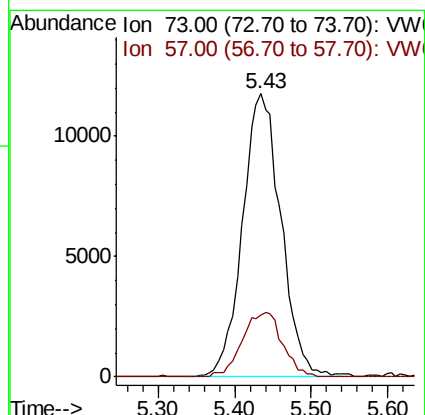
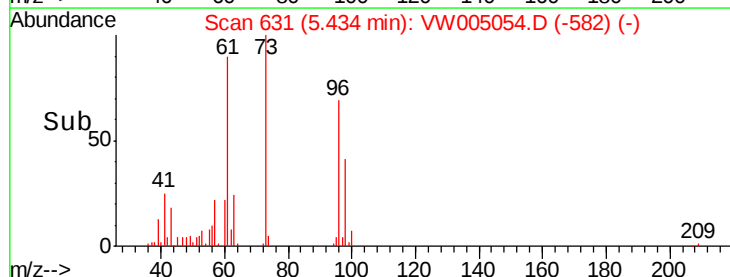
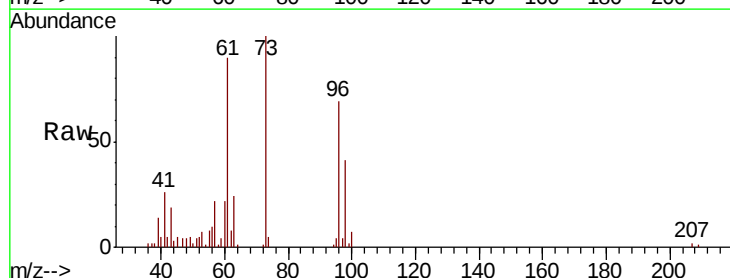
Acq: 31 Aug 2018 23:48

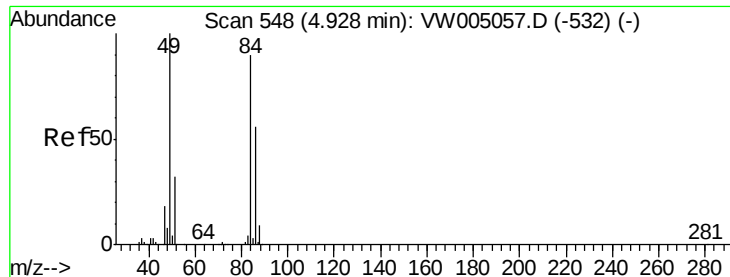
Tgt Ion: 73 Resp: 41082

Ion Ratio Lower Upper

73 100

57 22.1 18.1 27.1

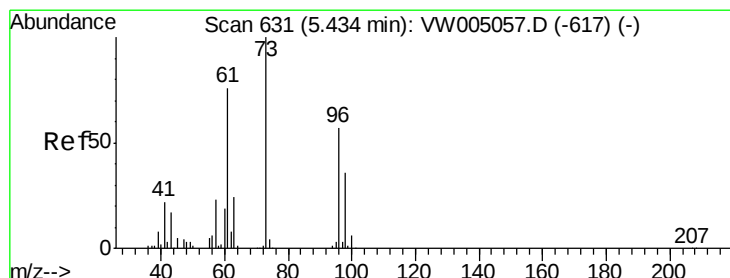
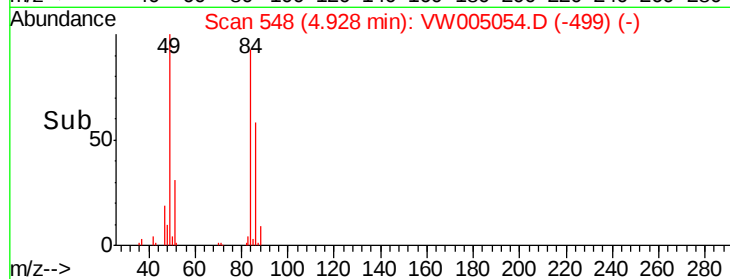
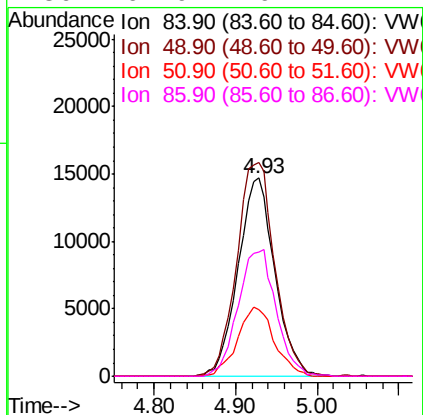
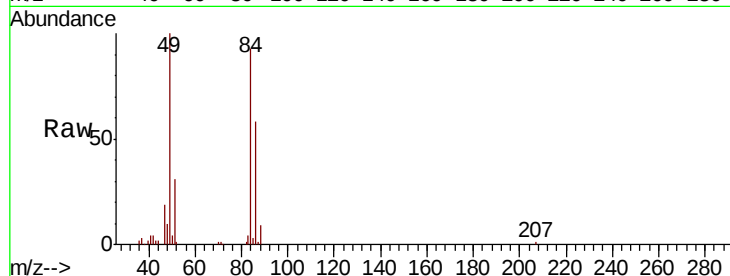




#20
Methylene Chloride
Concen: 6.016 ug/l
RT: 4.93 min Scan# 548
Delta R.T. -0.00 min
Lab File: VW005054.D
Acq: 31 Aug 2018 23:48

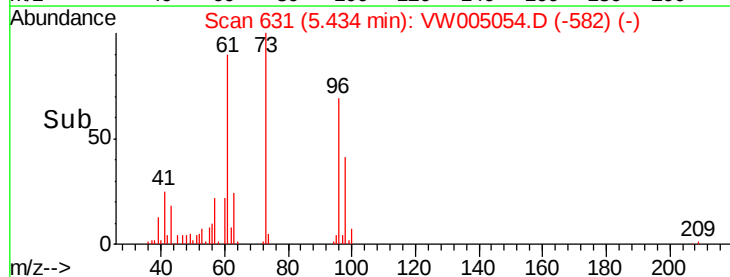
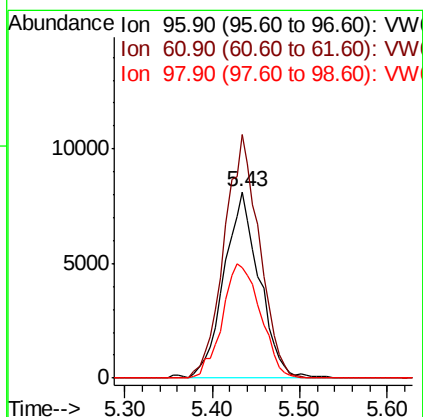
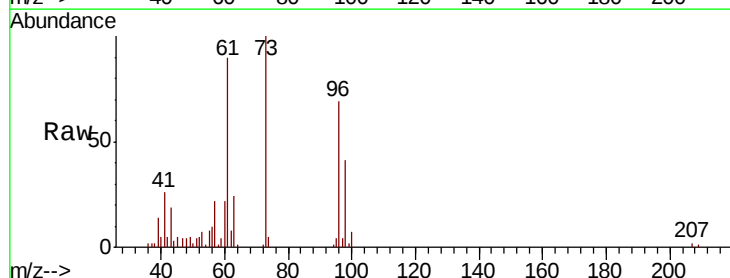
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

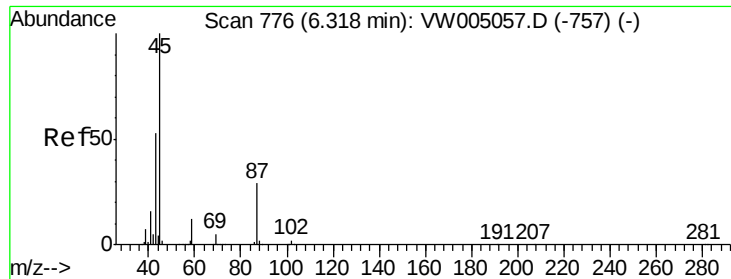
Tgt Ion:	84	Resp:	45977
Ion	Ratio	Lower	Upper
84	100		
49	107.8	88.7	133.1
51	33.6	28.6	42.8
86	62.9	49.4	74.2



#21
trans-1,2-Dichloroethene
Concen: 5.318 ug/l
RT: 5.43 min Scan# 631
Delta R.T. -0.00 min
Lab File: VW005054.D
Acq: 31 Aug 2018 23:48

Tgt Ion:	96	Resp:	22720
Ion	Ratio	Lower	Upper
96	100		
61	130.7	106.3	159.5
98	59.0	50.9	76.3





#22

Diisopropyl ether

Concen: 4.511 ug/l

RT: 6.32 min Scan# 777

Delta R.T. 0.01 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 45 Resp: 52033

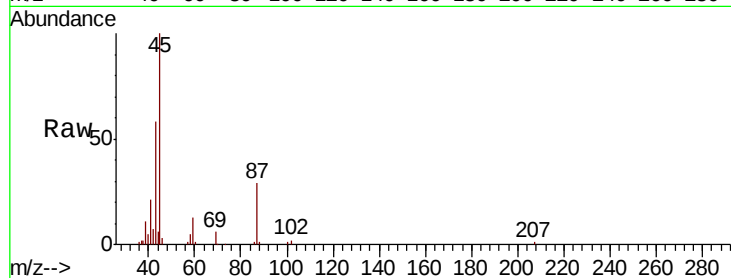
Ion Ratio Lower Upper

45 100

43 57.1 42.6 63.8

87 29.2 23.6 35.4

59 12.5 9.8 14.8

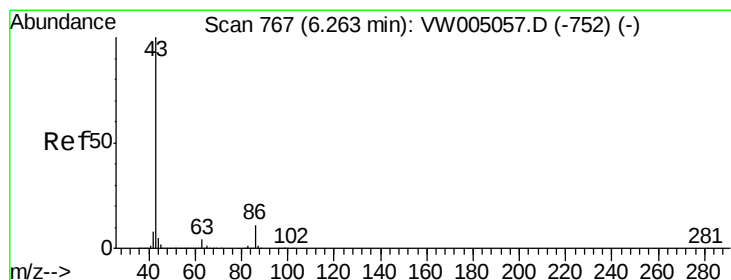
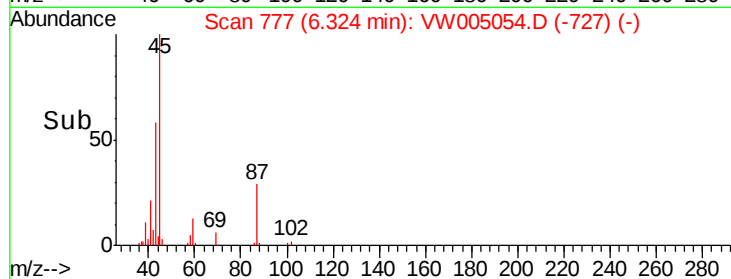
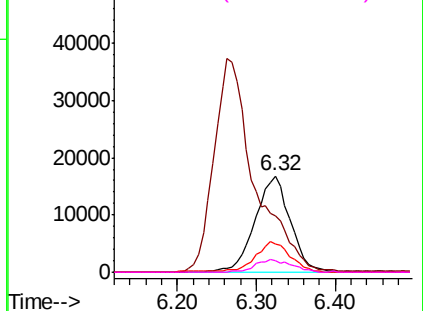


Abundance Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW



#23

Vinyl Acetate

Concen: 22.199 ug/l

RT: 6.26 min Scan# 767

Delta R.T. -0.00 min

Lab File: VW005054.D

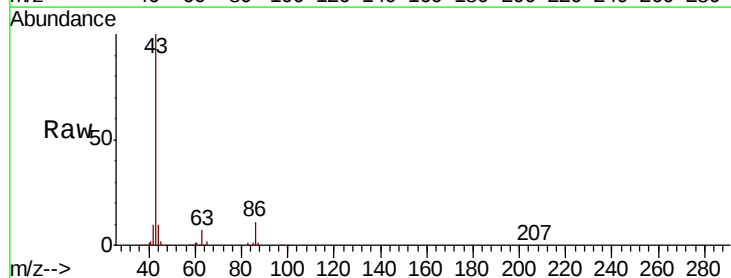
Acq: 31 Aug 2018 23:48

Tgt Ion: 43 Resp: 134492

Ion Ratio Lower Upper

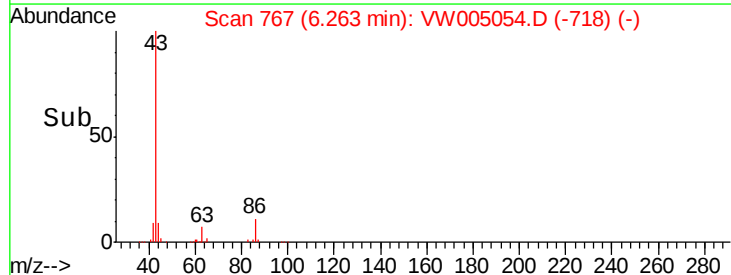
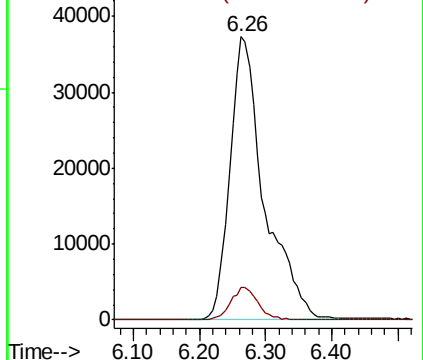
43 100

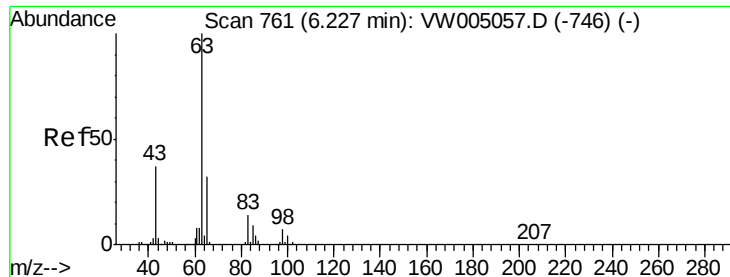
86 11.5 9.0 13.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

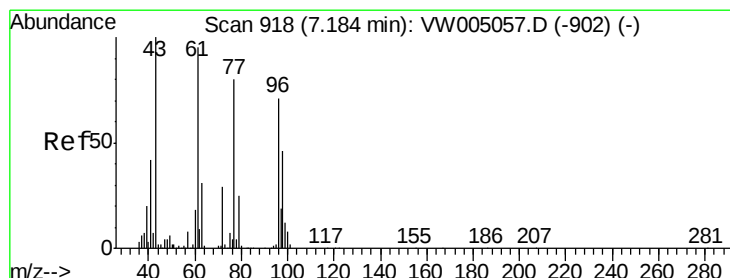
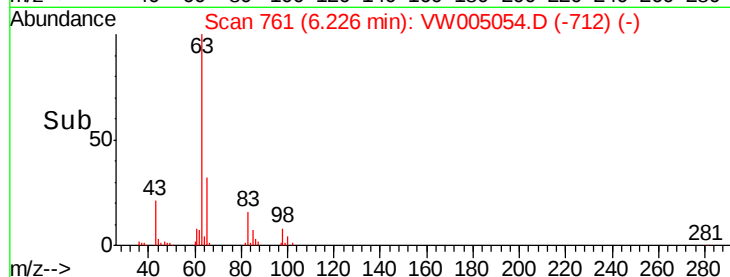
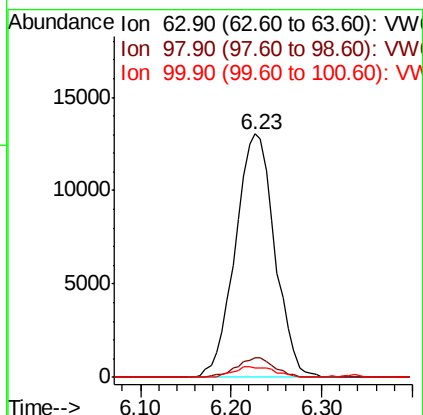
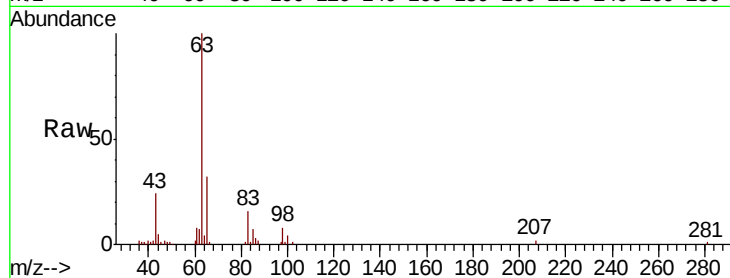




#24
 1,1-Dichloroethane
 Concen: 5.444 ug/l
 RT: 6.23 min Scan# 761
 Delta R.T. -0.00 min
 Lab File: VW005054.D
 Acq: 31 Aug 2018 23:48

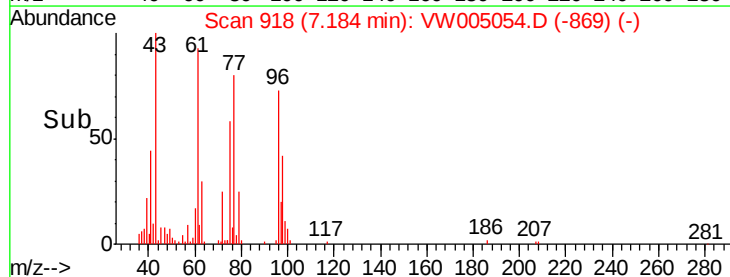
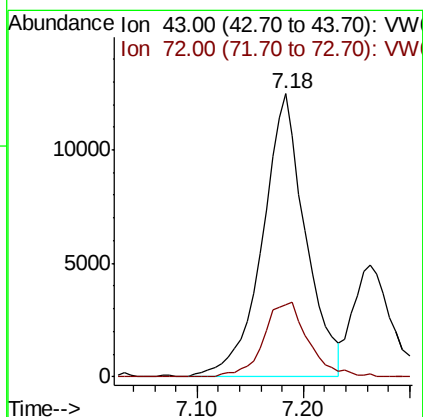
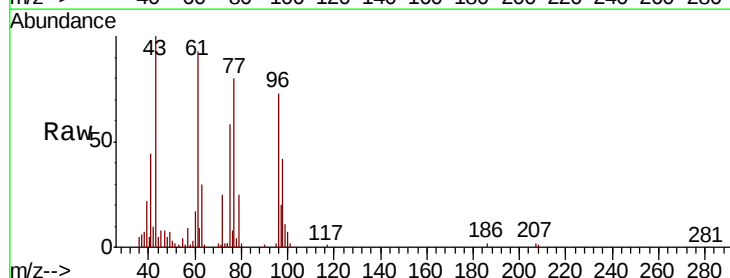
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

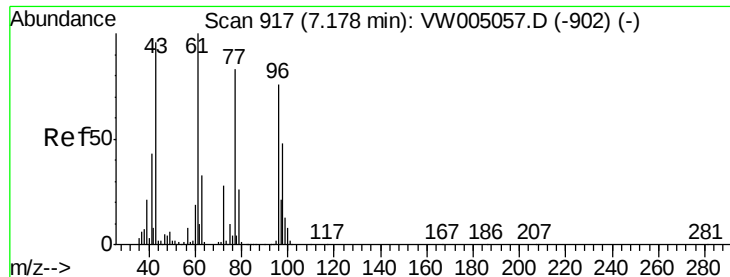
Tgt Ion: 63 Resp: 39247
 Ion Ratio Lower Upper
 63 100
 98 7.8 3.6 10.8
 100 4.0 2.2 6.6



#25
 2-Butanone
 Concen: 28.139 ug/l
 RT: 7.18 min Scan# 918
 Delta R.T. -0.00 min
 Lab File: VW005054.D
 Acq: 31 Aug 2018 23:48

Tgt Ion: 43 Resp: 35186
 Ion Ratio Lower Upper
 43 100
 72 25.5 23.1 34.7





#26

2,2-Dichloropropane

Concen: 6.219 ug/l

RT: 7.18 min Scan# 917

Delta R.T. -0.00 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

Instrument :

MSVOA_W

ClientSampled :

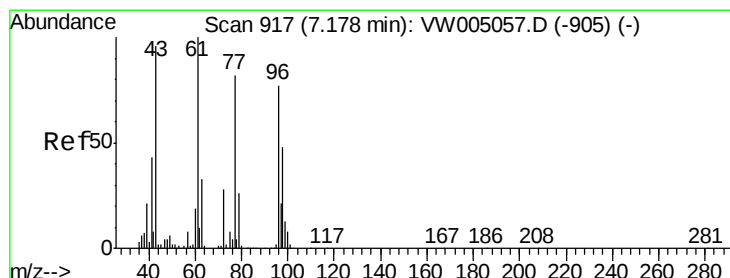
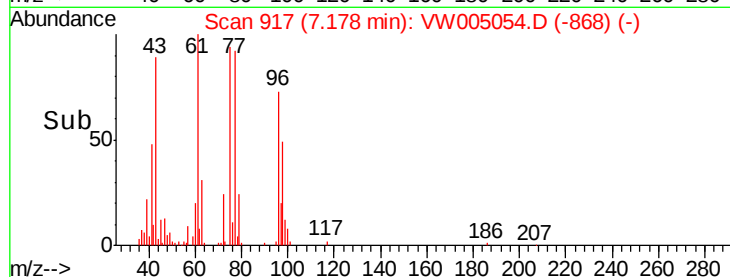
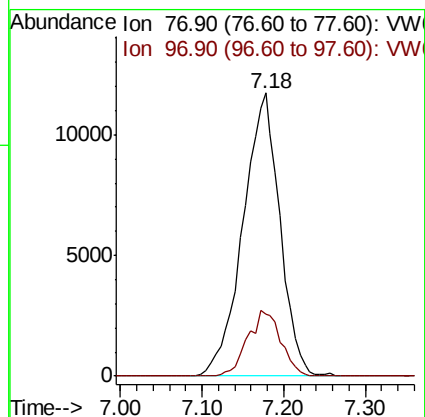
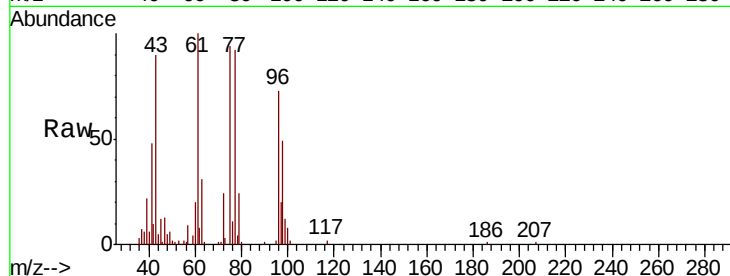
VSTDIC005

Tgt Ion: 77 Resp: 36846

Ion Ratio Lower Upper

77 100

97 20.7 12.2 36.6



#27

cis-1,2-Dichloroethene

Concen: 5.323 ug/l

RT: 7.18 min Scan# 917

Delta R.T. -0.00 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

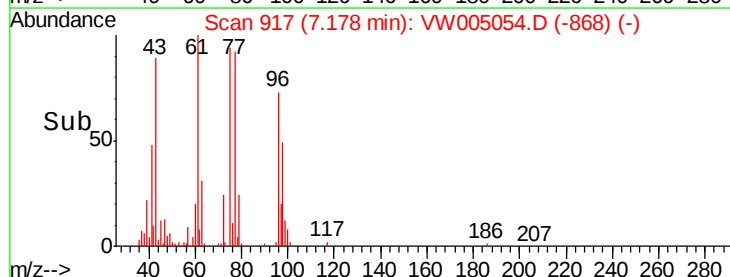
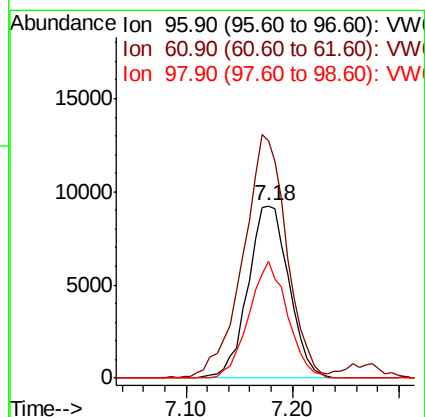
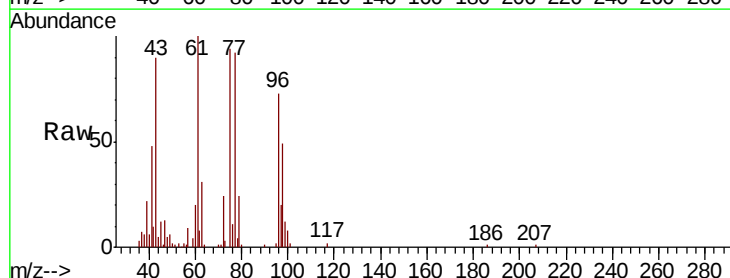
Tgt Ion: 96 Resp: 24877

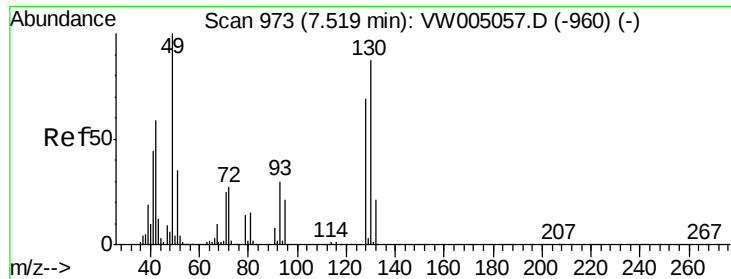
Ion Ratio Lower Upper

96 100

61 150.6 0.0 273.2

98 63.7 0.0 127.8





#28

Bromochloromethane

Concen: 5.501 ug/l

RT: 7.53 min Scan# 974

Delta R.T. 0.01 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

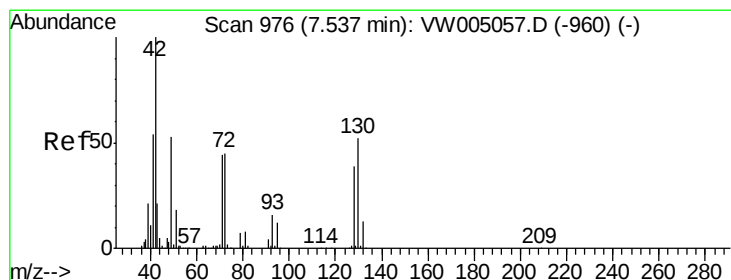
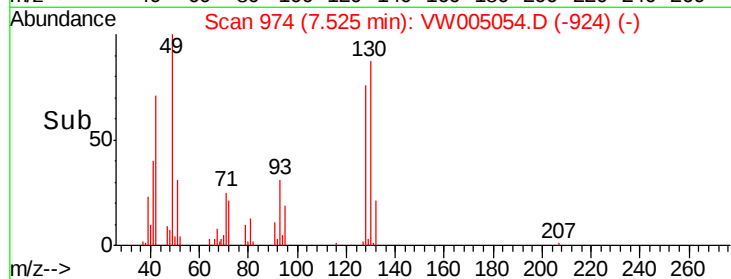
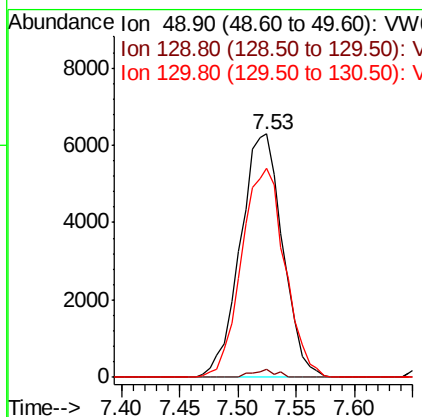
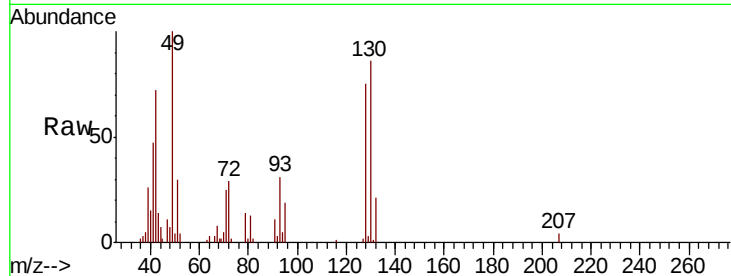
Tgt Ion: 49 Resp: 15962

Ion Ratio Lower Upper

49 100

129 1.8 0.0 4.4

130 87.8 69.6 104.4



#29

Tetrahydrofuran

Concen: 25.363 ug/l

RT: 7.54 min Scan# 977

Delta R.T. 0.01 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

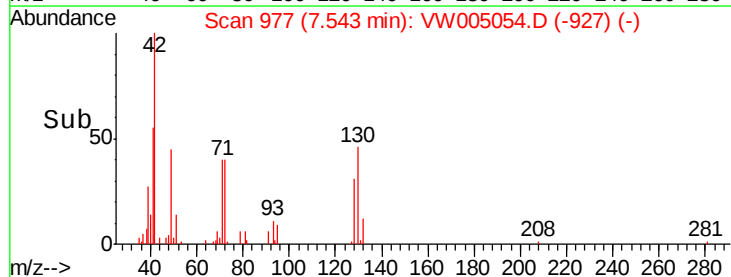
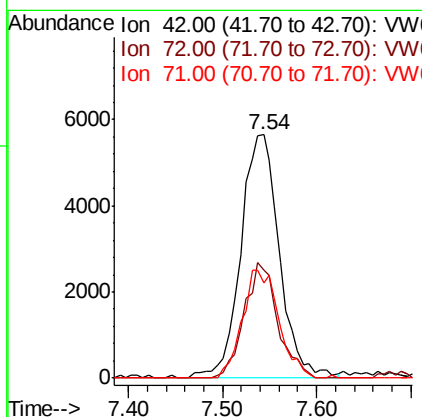
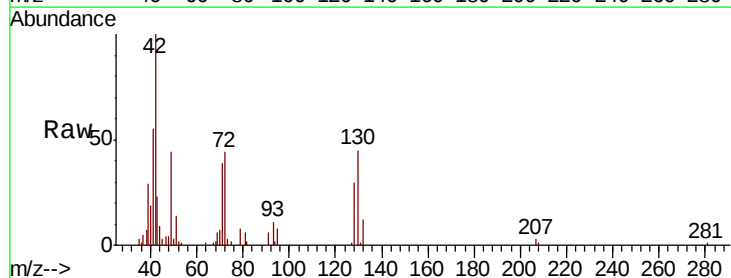
Tgt Ion: 42 Resp: 16205

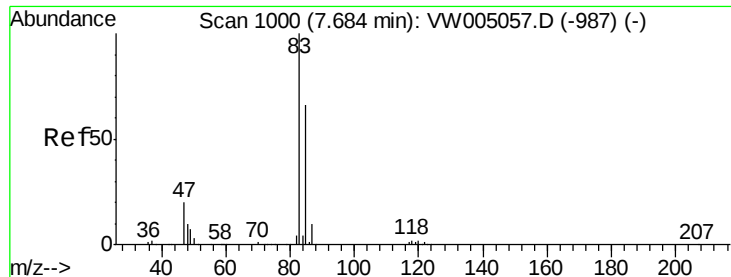
Ion Ratio Lower Upper

42 100

72 41.4 37.0 55.4

71 42.0 35.0 52.6

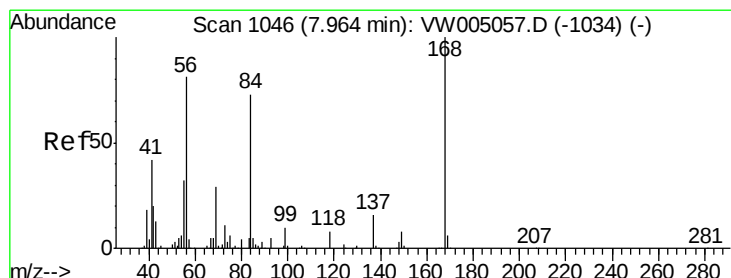
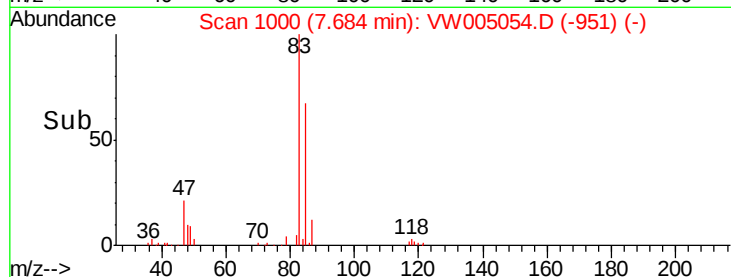
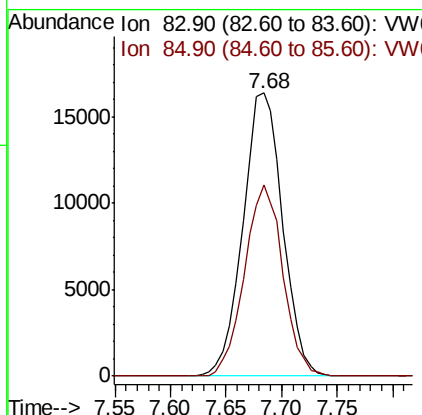
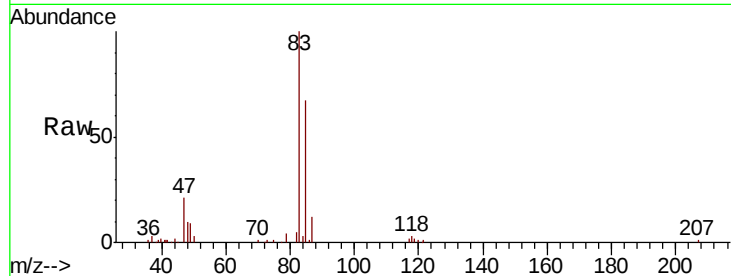




#30
Chloroform
Concen: 5.524 ug/l
RT: 7.68 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VW005054.D
Acq: 31 Aug 2018 23:48

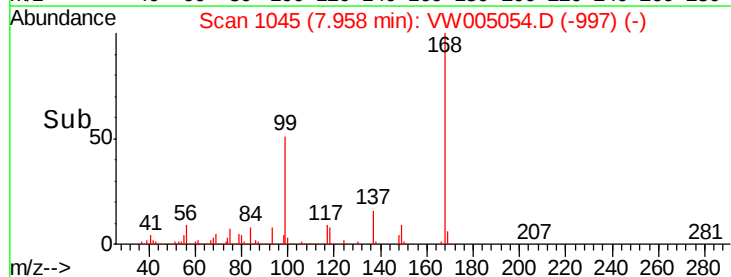
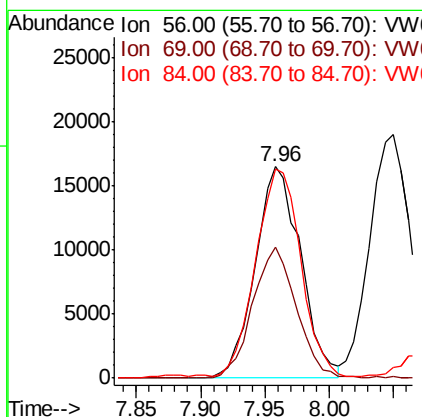
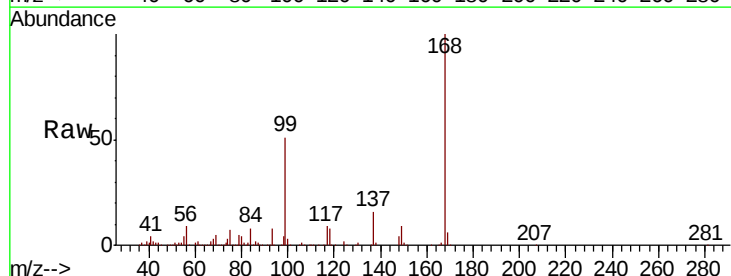
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

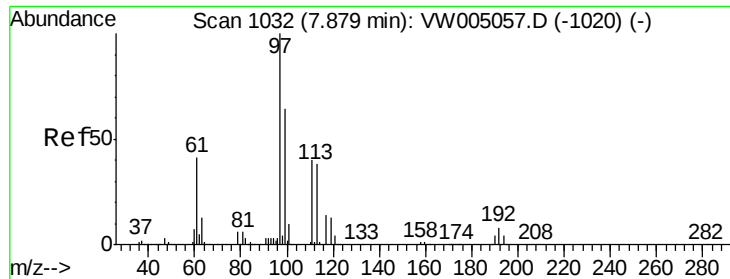
Tgt Ion: 83 Resp: 40649
Ion Ratio Lower Upper
83 100
85 67.4 53.1 79.7



#31
Cyclohexane
Concen: 5.721 ug/l
RT: 7.96 min Scan# 1045
Delta R.T. -0.01 min
Lab File: VW005054.D
Acq: 31 Aug 2018 23:48

Tgt Ion: 56 Resp: 40388
Ion Ratio Lower Upper
56 100
69 62.2 28.2 42.2#
84 97.9 71.8 107.8





#32

1,1,1-Trichloroethane

Concen: 5.577 ug/l

RT: 7.88 min Scan# 1032

Delta R.T. -0.00 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

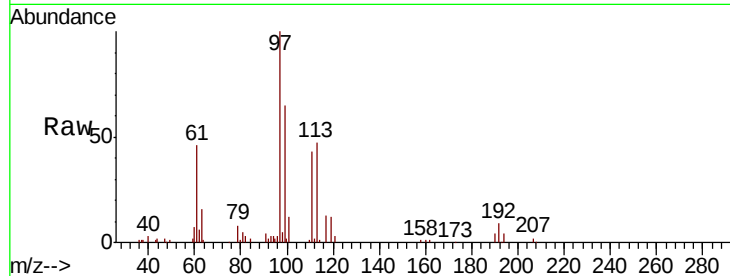
Tgt Ion: 97 Resp: 35741

Ion Ratio Lower Upper

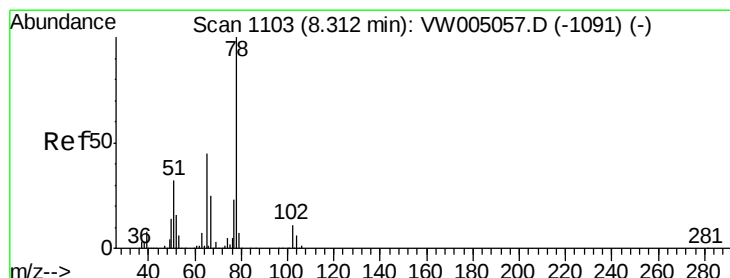
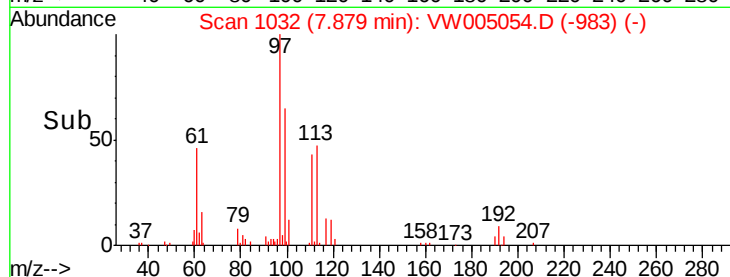
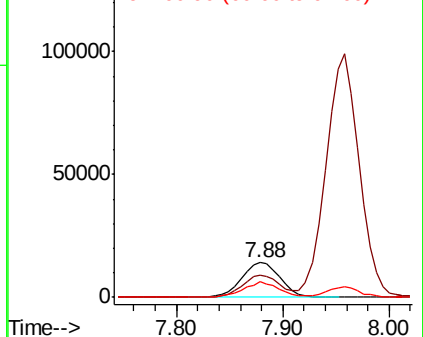
97 100

99 63.0 51.8 77.8

61 40.9 33.2 49.8



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: 5.882 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VW005054.D

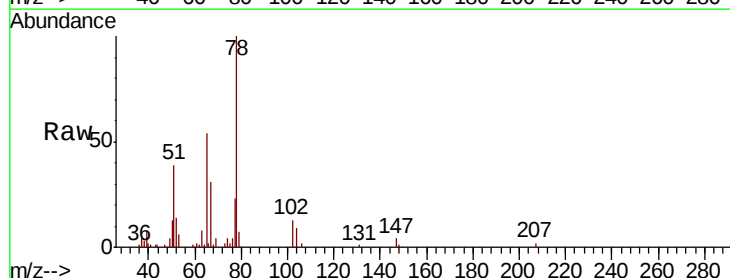
Acq: 31 Aug 2018 23:48

Tgt Ion: 65 Resp: 21146

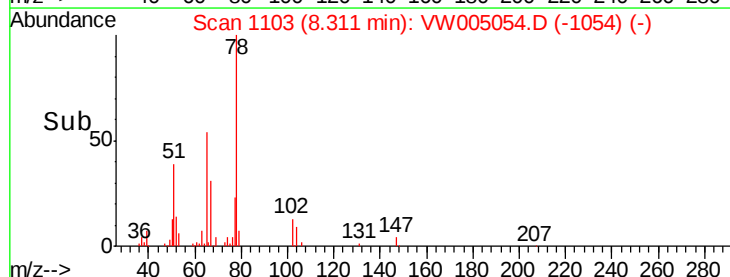
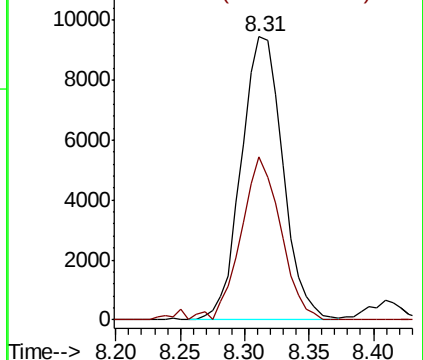
Ion Ratio Lower Upper

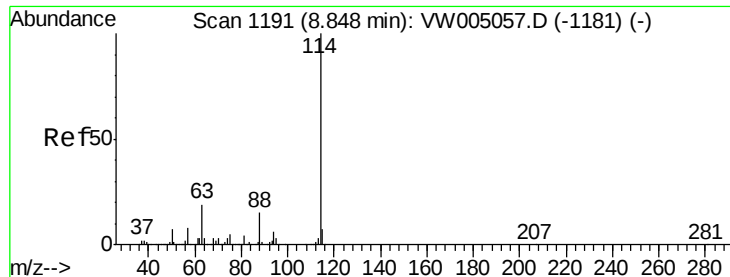
65 100

67 54.6 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

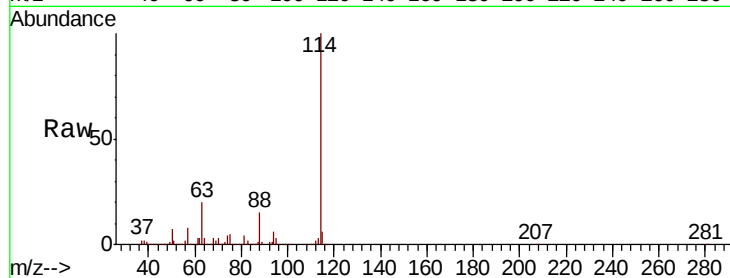




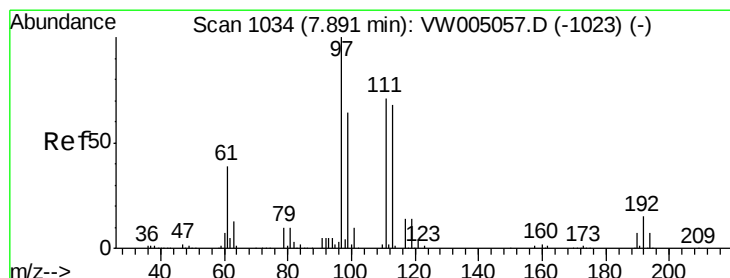
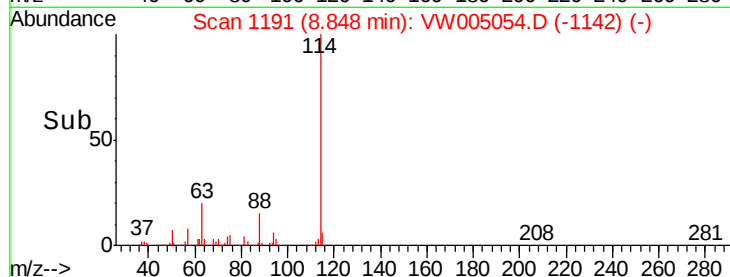
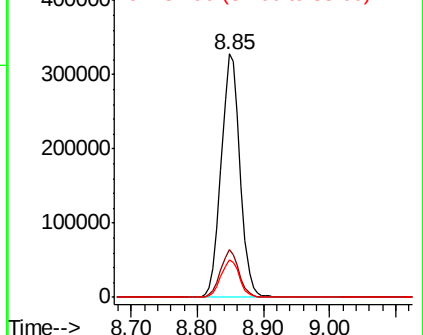
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW005054.D
 Acq: 31 Aug 2018 23:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion:114 Resp: 645676
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 38.0
 88 15.2 0.0 30.2

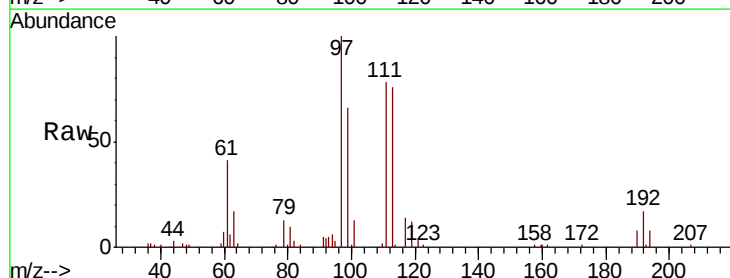


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

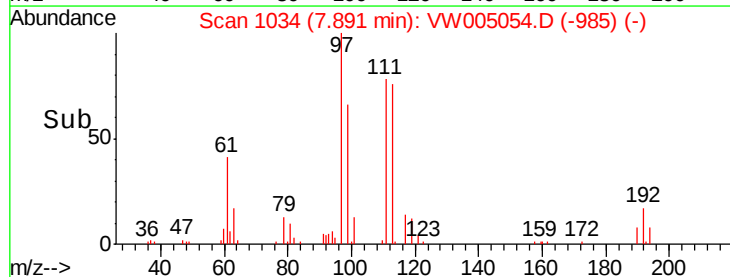
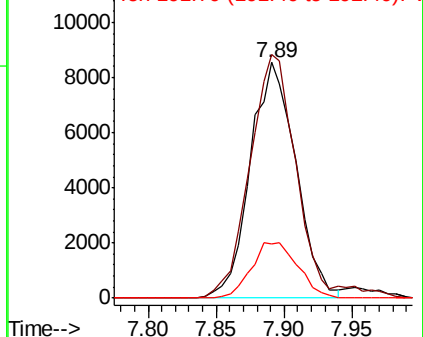


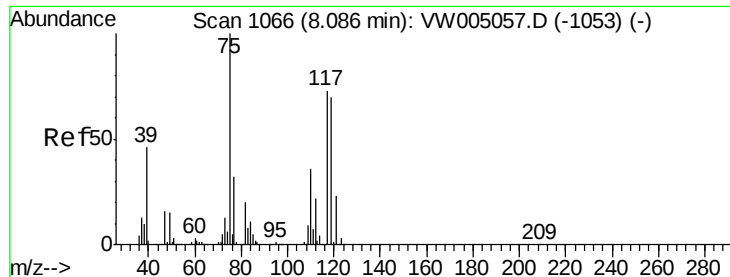
#35
 Dibromofluoromethane
 Concen: 5.381 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. -0.00 min
 Lab File: VW005054.D
 Acq: 31 Aug 2018 23:48

Tgt Ion:113 Resp: 20079
 Ion Ratio Lower Upper
 113 100
 111 106.8 82.2 123.2
 192 24.0 18.1 27.1



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: 5.136 ug/l

RT: 8.09 min Scan# 1067

Delta R.T. 0.01 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

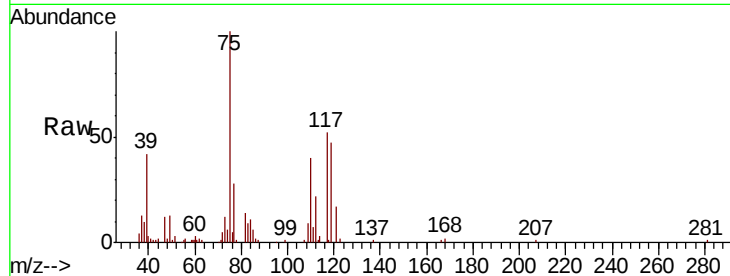
Tgt Ion: 75 Resp: 31583

Ion Ratio Lower Upper

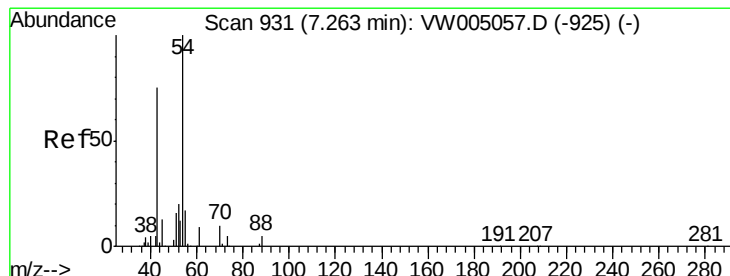
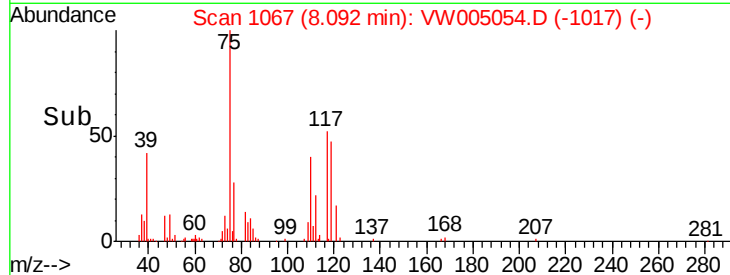
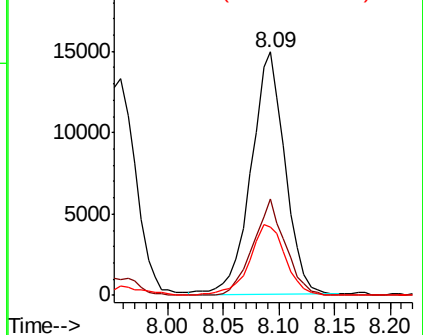
75 100

110 37.7 18.9 56.7

77 30.8 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW



#37

Ethyl Acetate

Concen: 5.187 ug/l

RT: 7.26 min Scan# 931

Delta R.T. -0.00 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

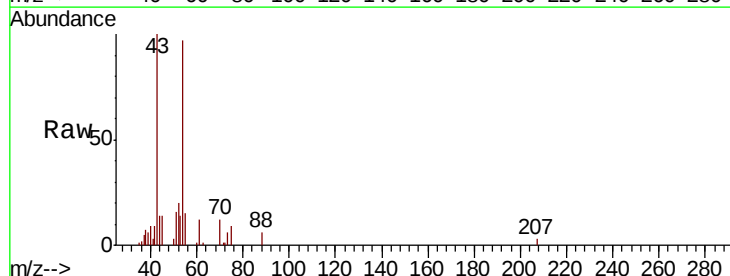
Tgt Ion: 43 Resp: 11929

Ion Ratio Lower Upper

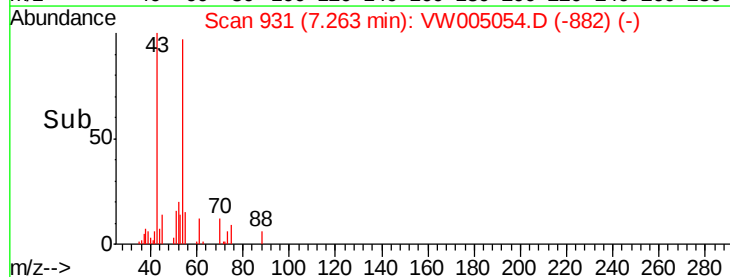
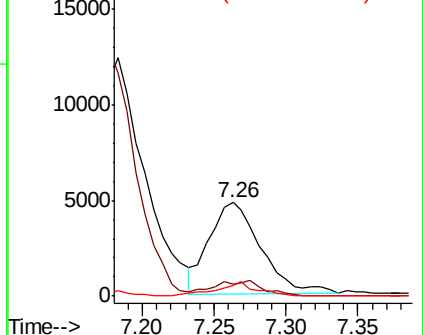
43 100

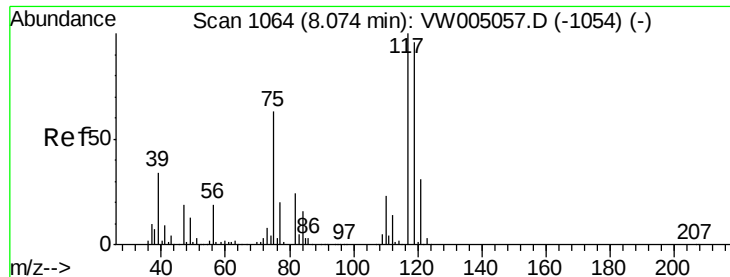
61 16.5 12.1 18.1

70 12.1 9.4 14.2



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

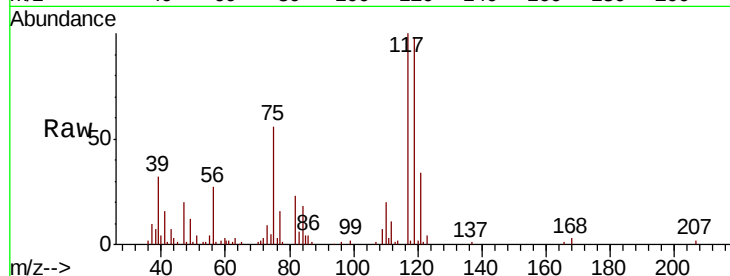




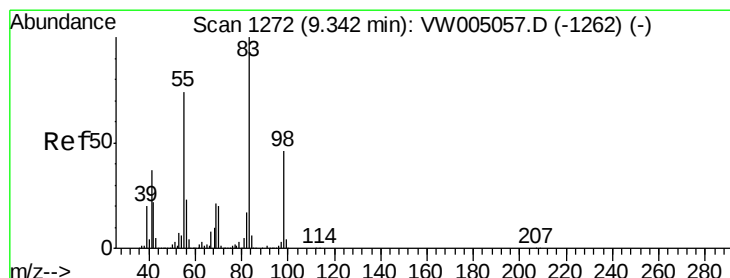
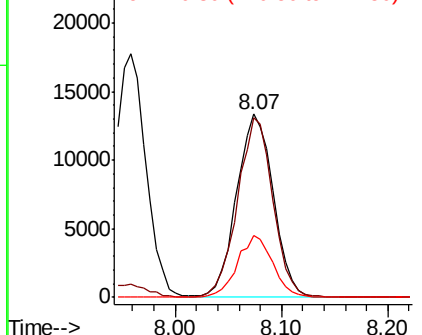
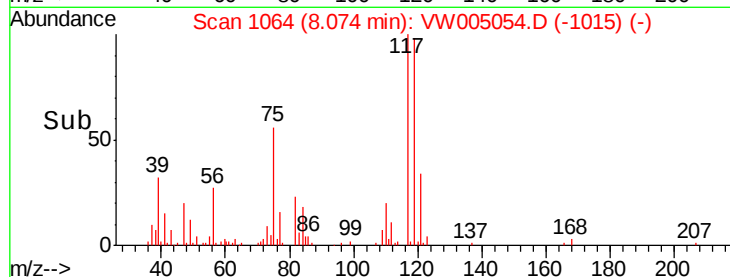
#38
Carbon Tetrachloride
Concen: 5.538 ug/l
RT: 8.07 min Scan# 1064
Delta R.T. -0.00 min
Lab File: VW005054.D
Acq: 31 Aug 2018 23:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion: 117 Resp: 32379
Ion Ratio Lower Upper
117 100
119 98.0 76.6 115.0
121 33.6 24.8 37.2

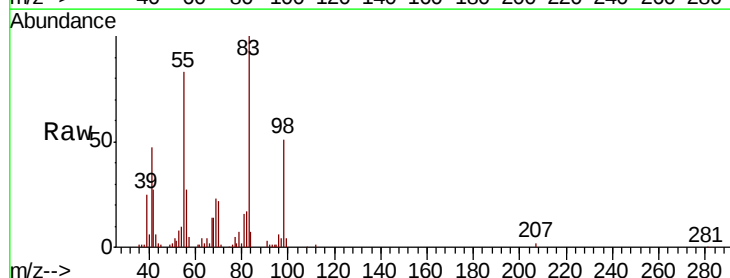


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

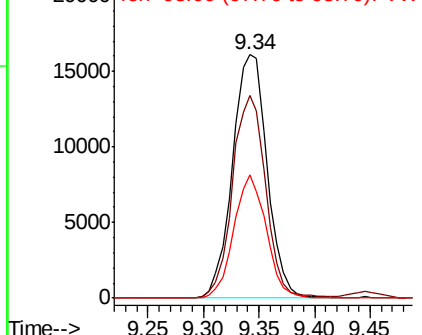
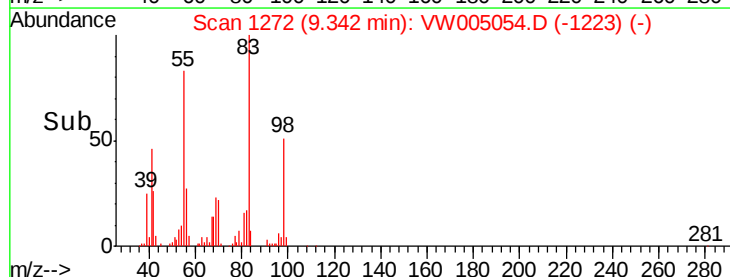


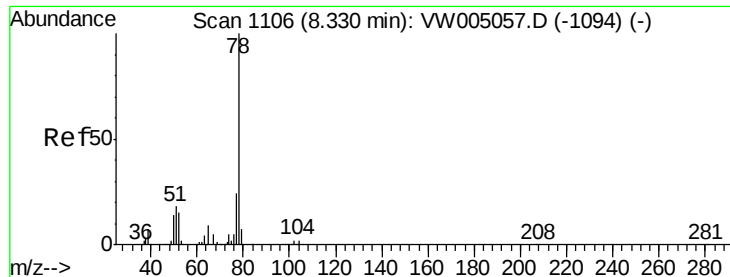
#39
Methylcyclohexane
Concen: 4.666 ug/l
RT: 9.34 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VW005054.D
Acq: 31 Aug 2018 23:48

Tgt Ion: 83 Resp: 34703
Ion Ratio Lower Upper
83 100
55 83.3 58.9 88.3
98 50.5 36.8 55.2



Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW





#40

Benzene

Concen: 5.118 ug/l

RT: 8.33 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

Instrument :

MSVOA_W

ClientSampleId :

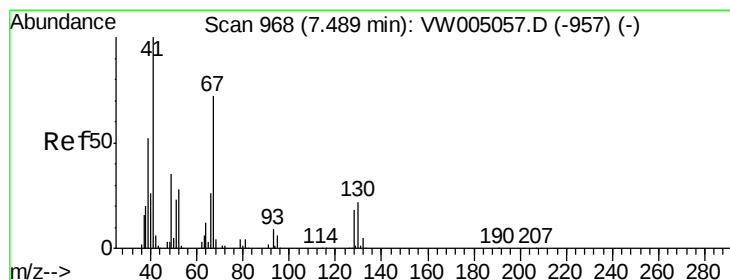
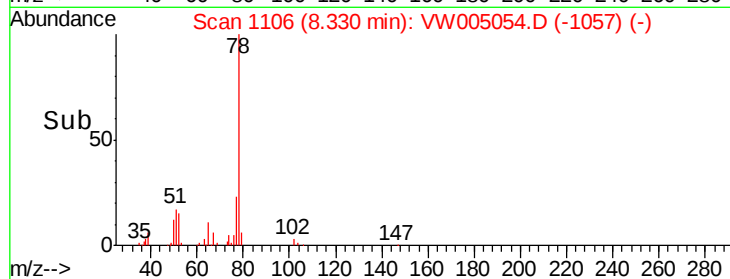
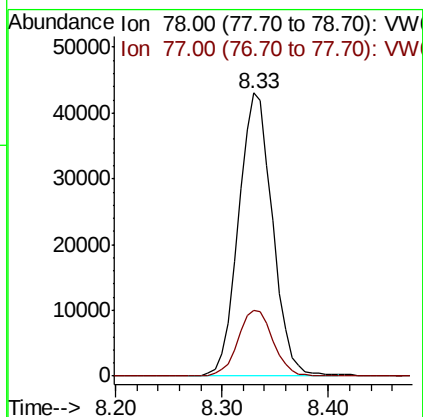
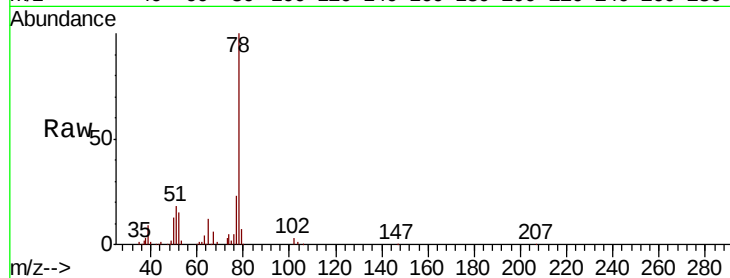
VSTDIC005

Tgt Ion: 78 Resp: 96349

Ion Ratio Lower Upper

78 100

77 23.4 19.4 29.0



#41

Methacrylonitrile

Concen: 4.503 ug/l

RT: 7.49 min Scan# 969

Delta R.T. 0.01 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

Tgt Ion: 41 Resp: 6000

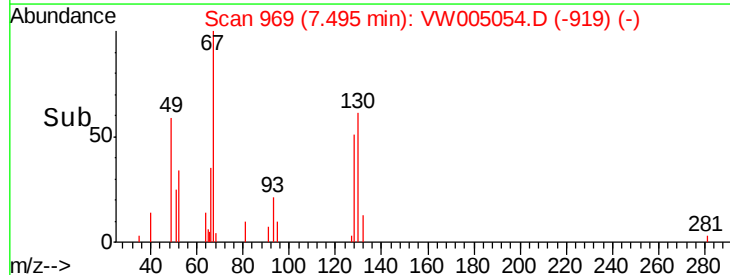
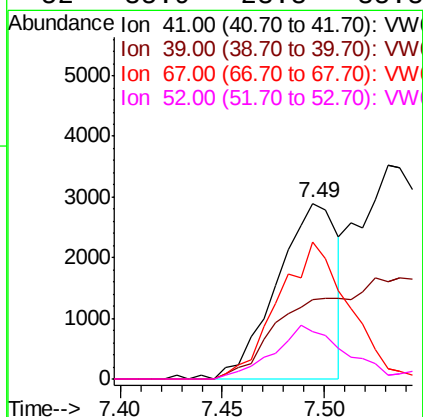
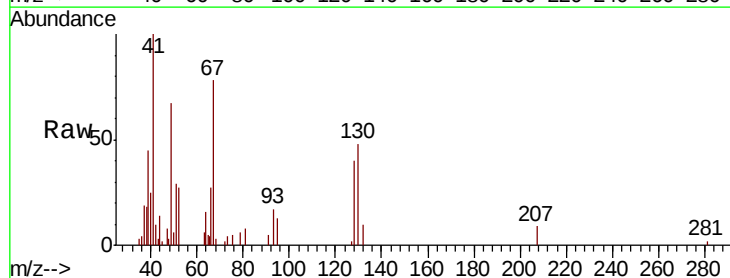
Ion Ratio Lower Upper

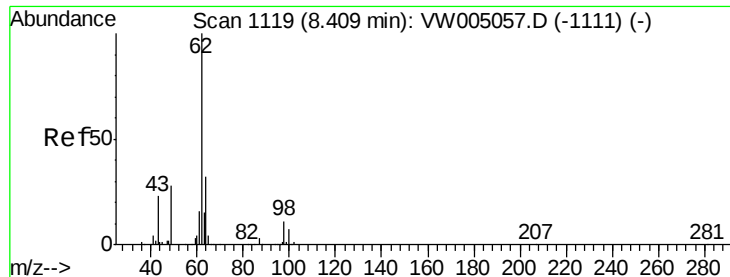
41 100

39 0.0 41.8 62.8#

67 90.1 60.4 90.6

52 35.9 23.8 35.8#





#42

1,2-Dichloroethane

Concen: 5.635 ug/l

RT: 8.41 min Scan# 1119

Delta R.T. -0.00 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

Instrument :

MSVOA_W

ClientSampleId :

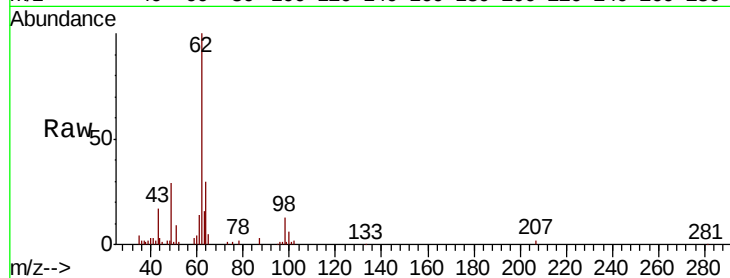
VSTDIC005

Tgt Ion: 62 Resp: 25960

Ion Ratio Lower Upper

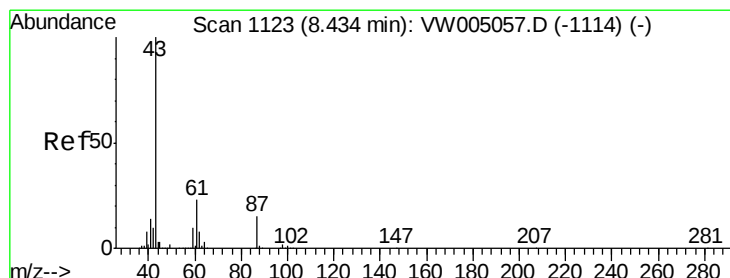
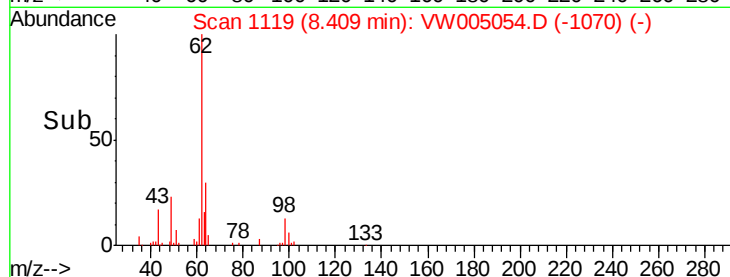
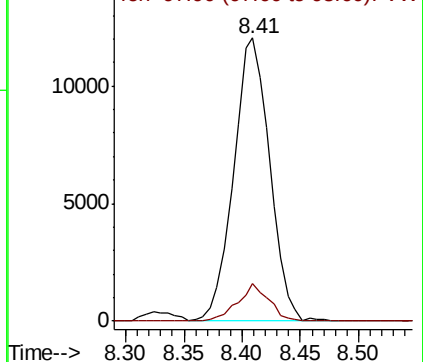
62 100

98 11.3 0.0 21.8



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW



#43

Isopropyl Acetate

Concen: 4.801 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

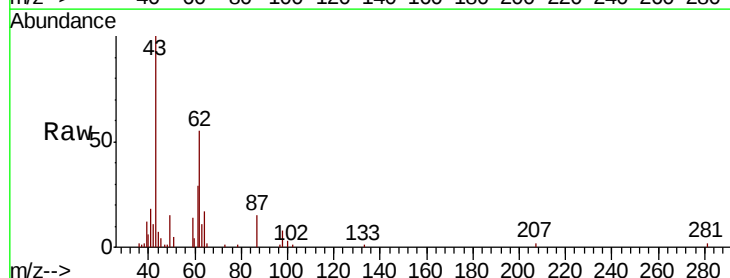
Tgt Ion: 43 Resp: 20091

Ion Ratio Lower Upper

43 100

61 36.6 26.8 40.2

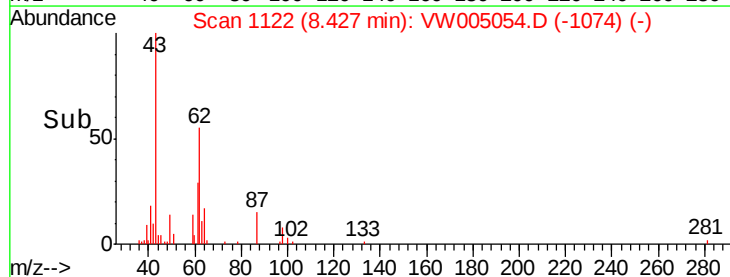
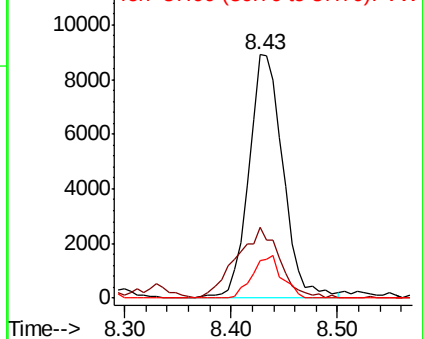
87 15.1 11.6 17.4

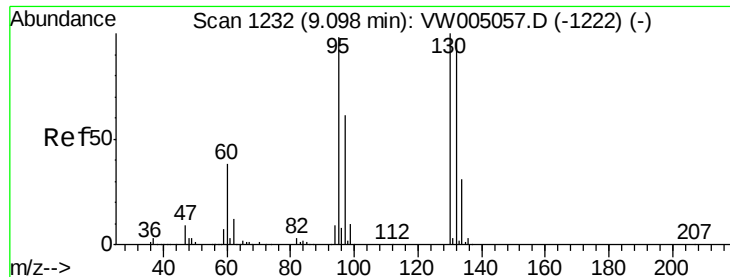


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW





#44

Trichloroethene

Concen: 5.327 ug/l

RT: 9.10 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

Instrument :

MSVOA_W

ClientSampleId :

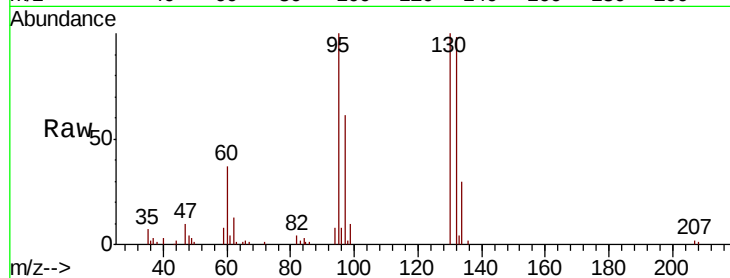
VSTDIC005

Tgt Ion:130 Resp: 27059

Ion Ratio Lower Upper

130 100

95 100.4 0.0 195.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

15000

10000

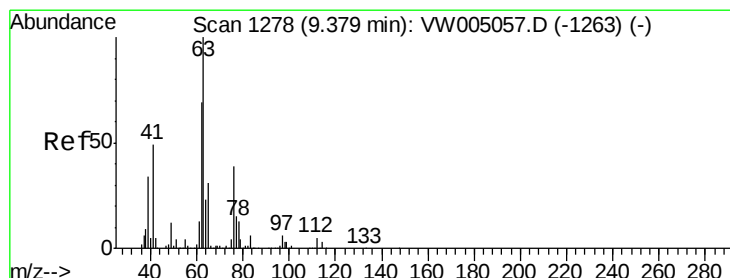
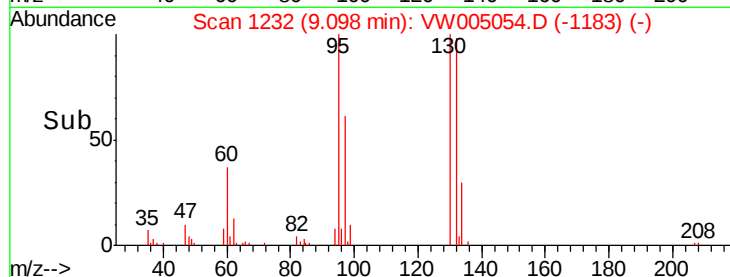
5000

0

9.10

9.05 9.10 9.15 9.20

Time-->



#45

1,2-Dichloropropane

Concen: 5.313 ug/l

RT: 9.37 min Scan# 1277

Delta R.T. -0.01 min

Lab File: VW005054.D

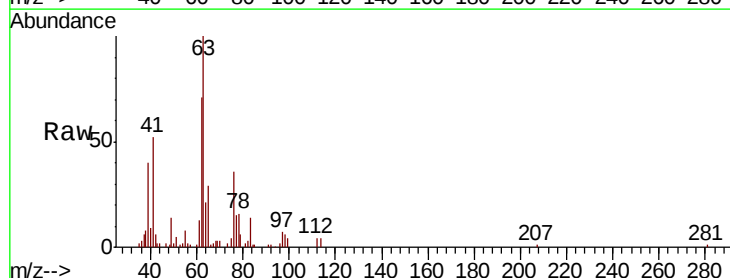
Acq: 31 Aug 2018 23:48

Tgt Ion: 63 Resp: 24432

Ion Ratio Lower Upper

63 100

65 29.1 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW

10000

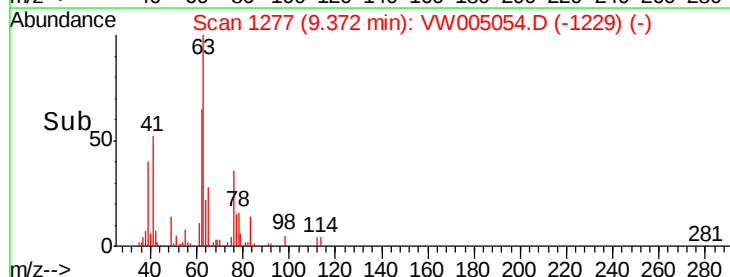
5000

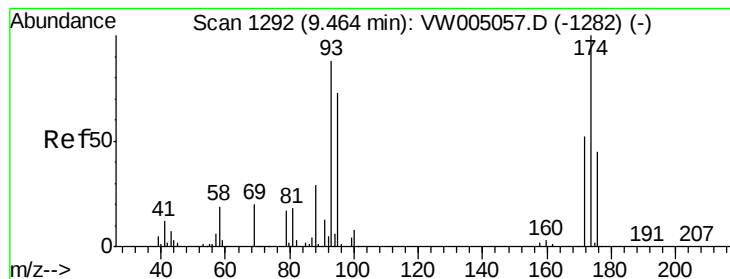
0

9.37

9.30 9.40 9.50

Time-->





#46

Dibromomethane

Concen: 5.349 ug/l

RT: 9.46 min Scan# 1292

Delta R.T. -0.00 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

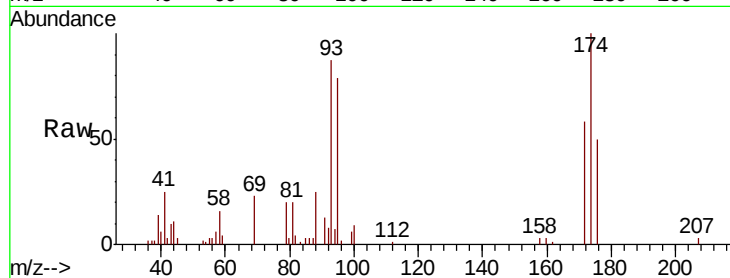
Tgt Ion: 93 Resp: 11762

Ion Ratio Lower Upper

93 100

95 86.2 66.2 99.4

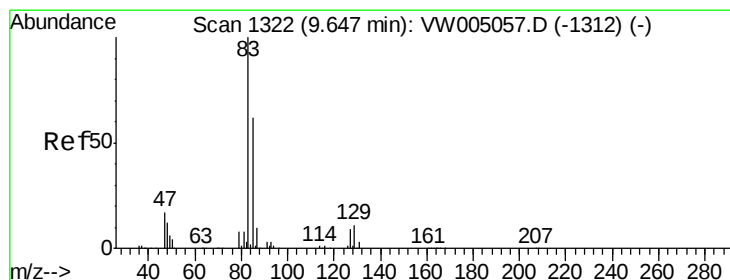
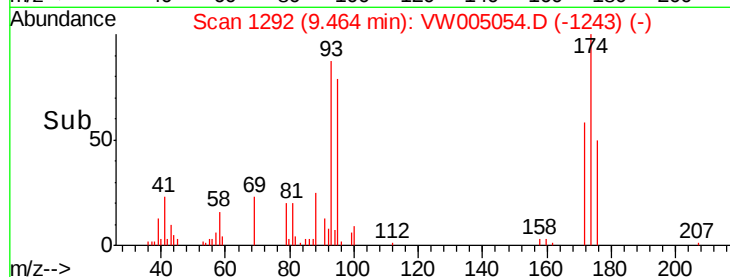
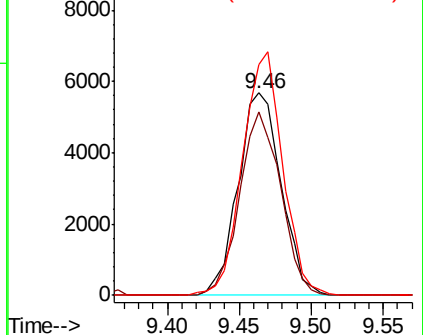
174 111.9 92.0 138.0



Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V



#47

Bromodichloromethane

Concen: 5.420 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

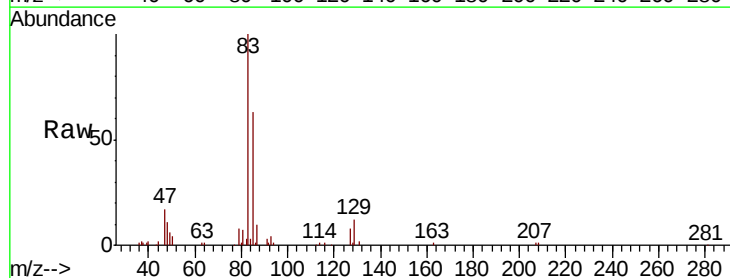
Tgt Ion: 83 Resp: 30011

Ion Ratio Lower Upper

83 100

85 63.1 49.8 74.6

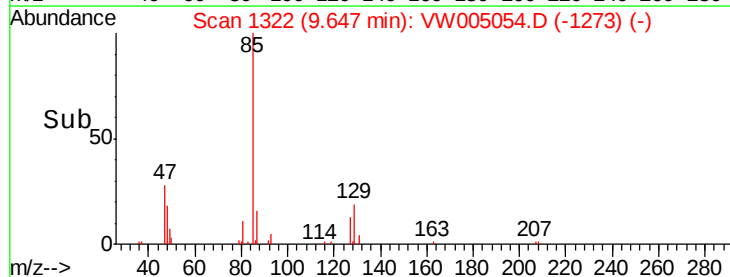
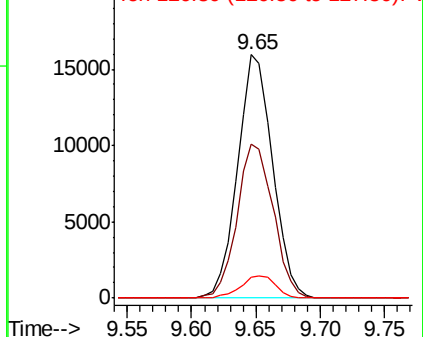
127 8.4 7.0 10.4

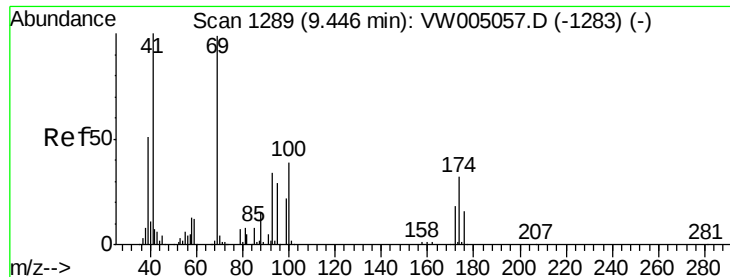


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V

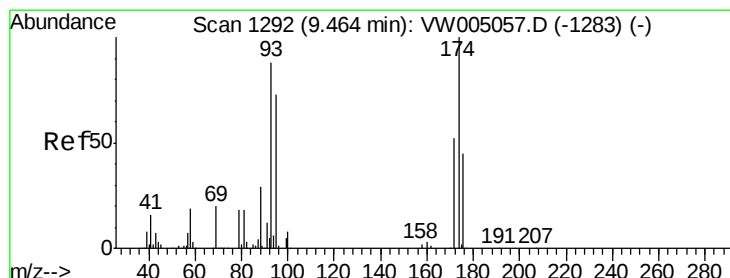
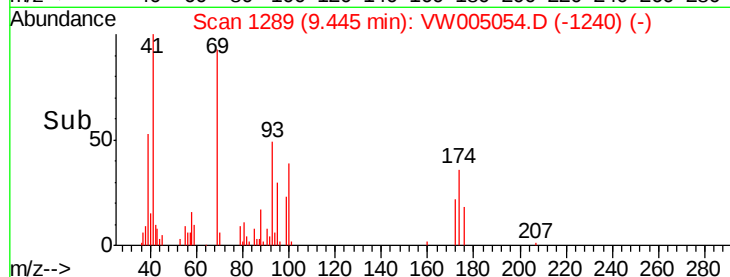
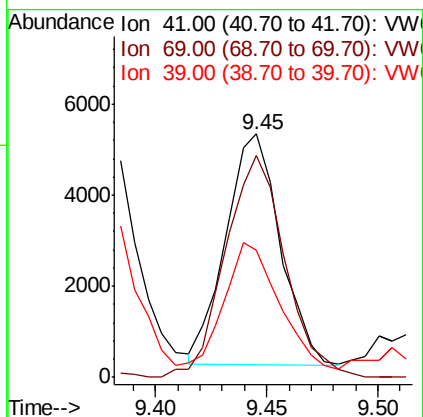
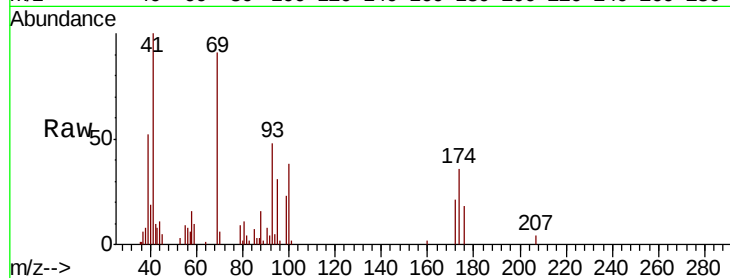




#48
Methyl methacrylate
Concen: 4.287 ug/l
RT: 9.45 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VW005054.D
Acq: 31 Aug 2018 23:48

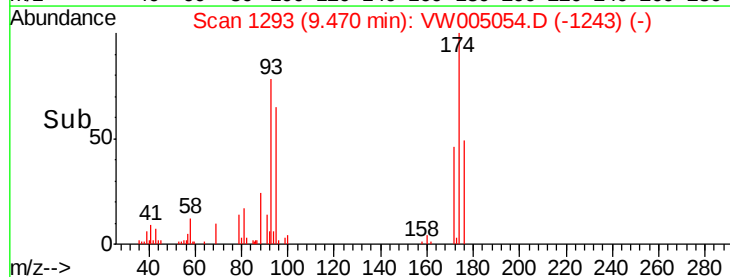
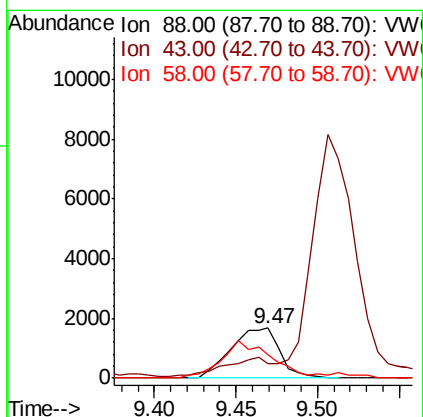
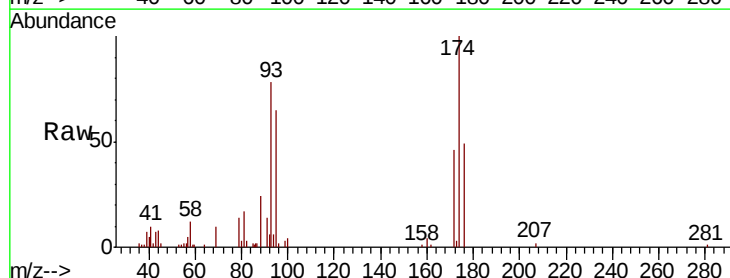
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

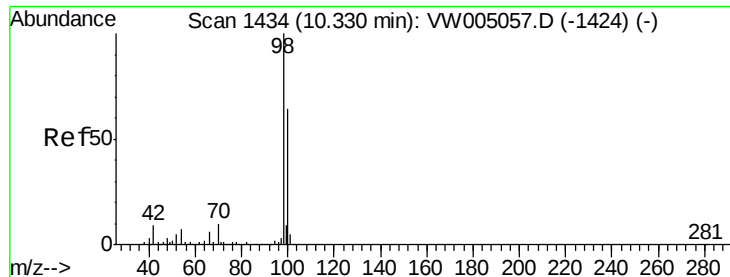
Tgt Ion: 41 Resp: 8639
Ion Ratio Lower Upper
41 100
69 105.4 80.4 120.6
39 55.1 43.5 65.3



#49
1,4-Dioxane
Concen: 98.615 ug/l
RT: 9.47 min Scan# 1293
Delta R.T. 0.01 min
Lab File: VW005054.D
Acq: 31 Aug 2018 23:48

Tgt Ion: 88 Resp: 3507
Ion Ratio Lower Upper
88 100
43 33.9 19.8 29.6#
58 78.0 57.1 85.7

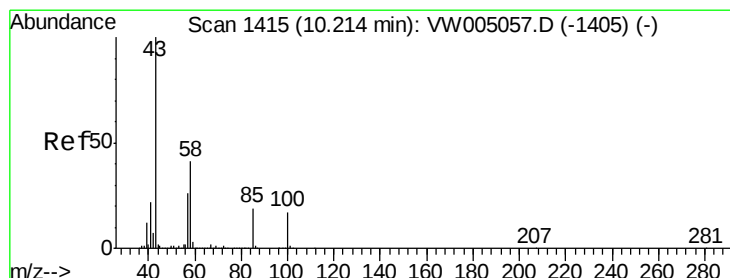
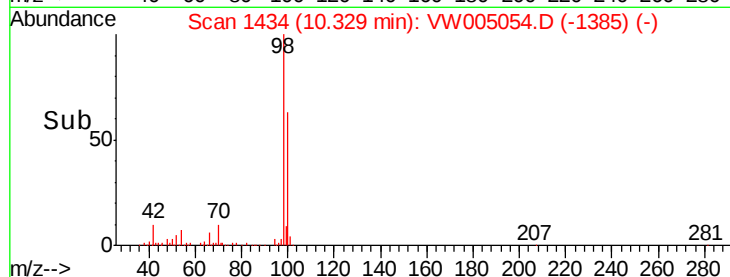
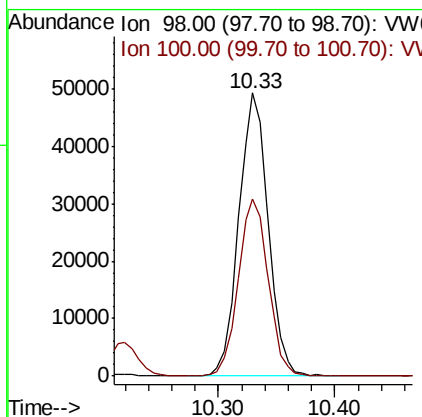
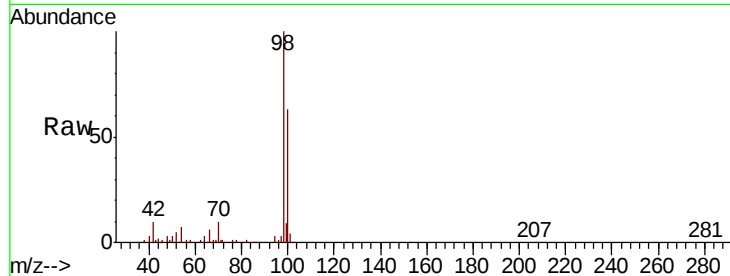




#50
Toluene-d8
Concen: 5.028 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW005054.D
Acq: 31 Aug 2018 23:48

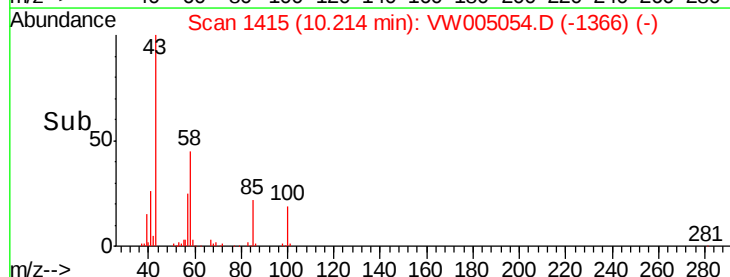
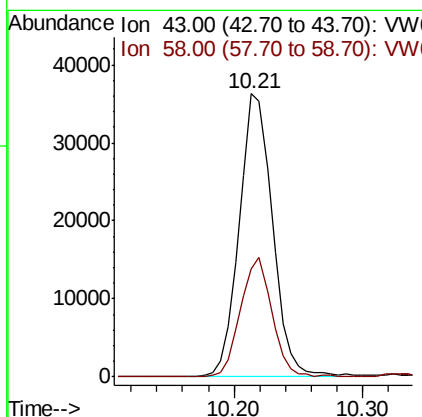
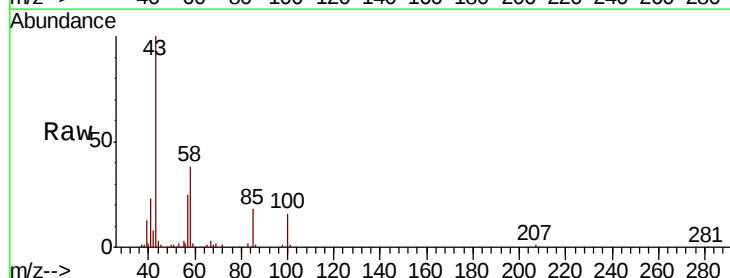
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

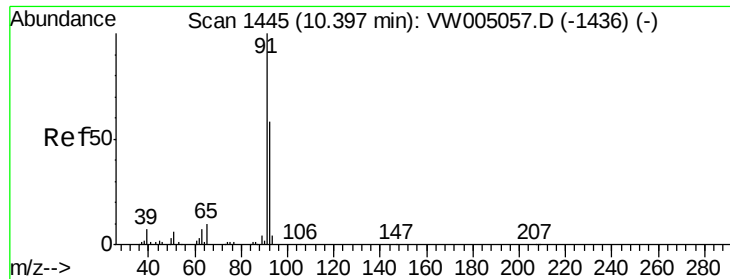
Tgt Ion: 98 Resp: 86439
Ion Ratio Lower Upper
98 100
100 63.9 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 23.134 ug/l
RT: 10.21 min Scan# 1415
Delta R.T. -0.00 min
Lab File: VW005054.D
Acq: 31 Aug 2018 23:48

Tgt Ion: 43 Resp: 64883
Ion Ratio Lower Upper
43 100
58 40.1 33.3 49.9





#52

Toluene

Concen: 4.868 ug/l

RT: 10.40 min Scan# 1445

Delta R.T. -0.00 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

Instrument :

MSVOA_W

ClientSampleId :

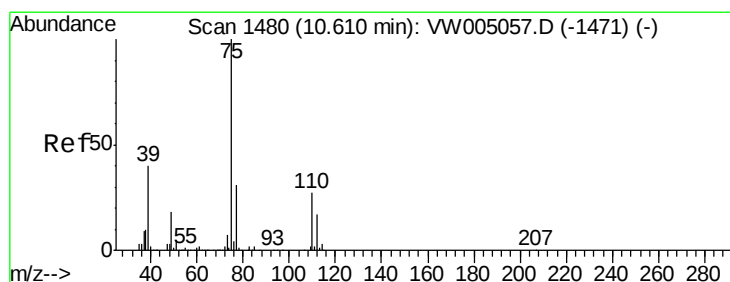
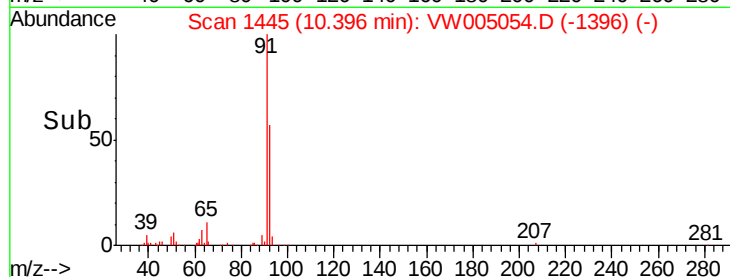
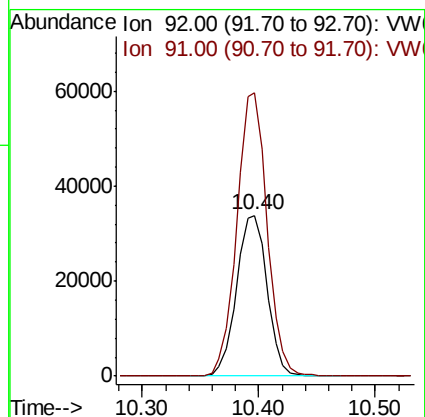
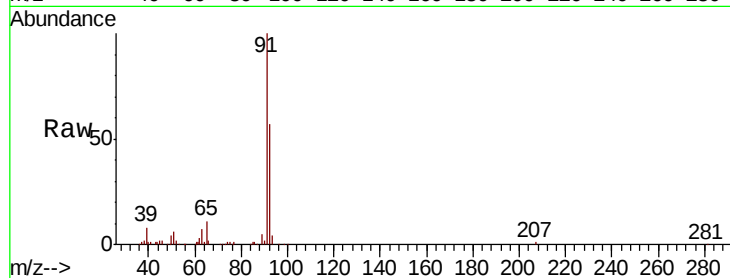
VSTDIC005

Tgt Ion: 92 Resp: 62096

Ion Ratio Lower Upper

92 100

91 174.3 139.2 208.8



#53

t-1,3-Dichloropropene

Concen: 4.718 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW005054.D

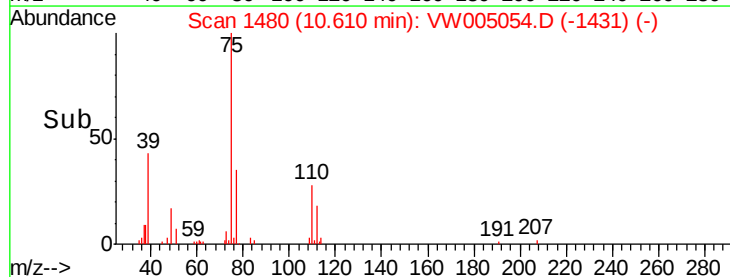
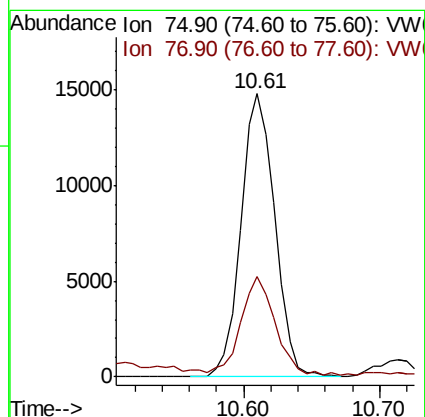
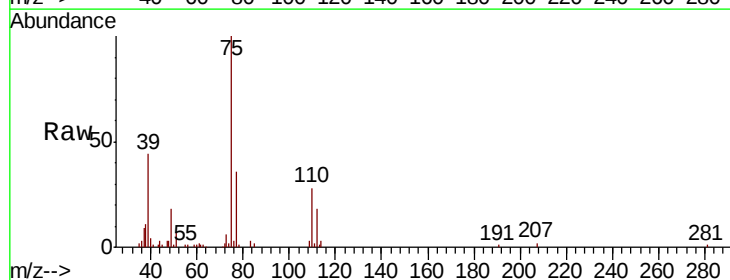
Acq: 31 Aug 2018 23:48

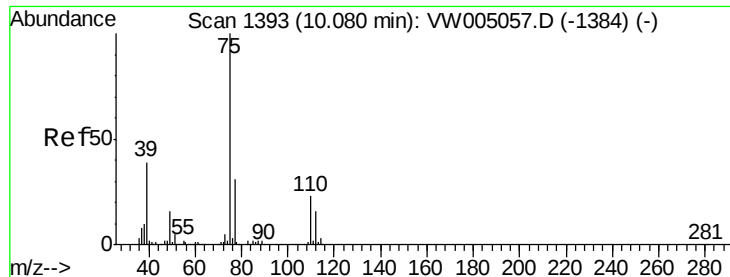
Tgt Ion: 75 Resp: 25672

Ion Ratio Lower Upper

75 100

77 35.1 25.0 37.6





#54

cis-1,3-Dichloropropene

Concen: 4.747 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

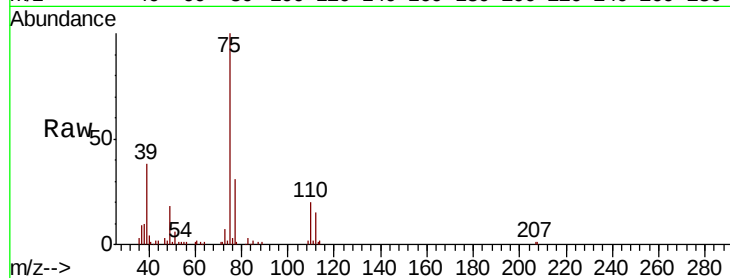
Tgt Ion: 75 Resp: 31410

Ion Ratio Lower Upper

75 100

77 30.9 24.9 37.3

39 38.4 31.0 46.6

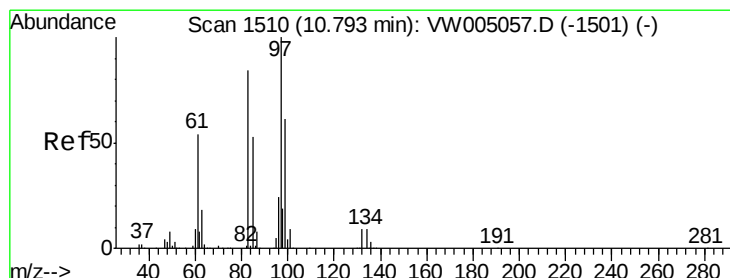
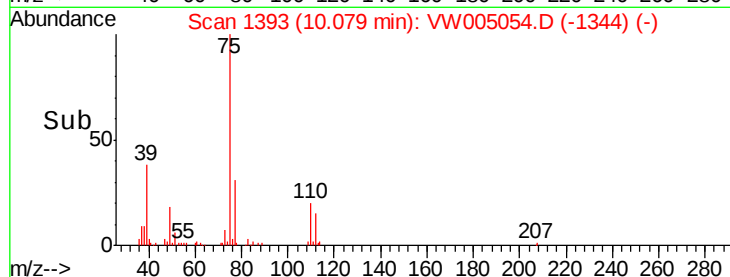
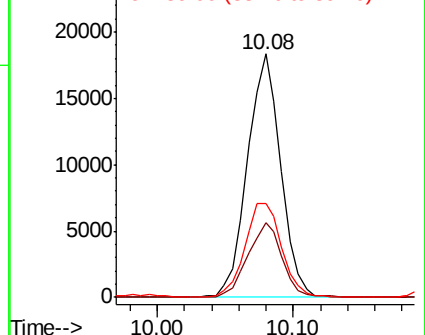


Abundance

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



#55

1,1,2-Trichloroethane

Concen: 5.341 ug/l

RT: 10.79 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

Tgt Ion: 97 Resp: 18184

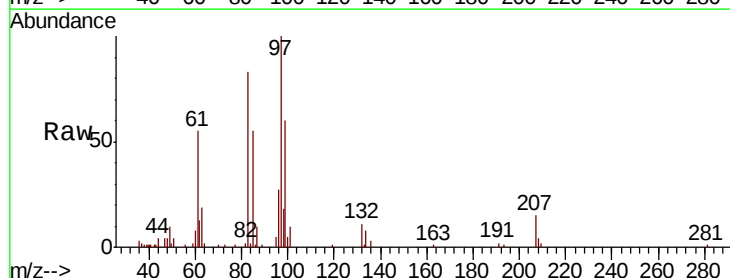
Ion Ratio Lower Upper

97 100

83 82.5 67.0 100.6

85 54.1 42.3 63.5

99 60.0 48.5 72.7



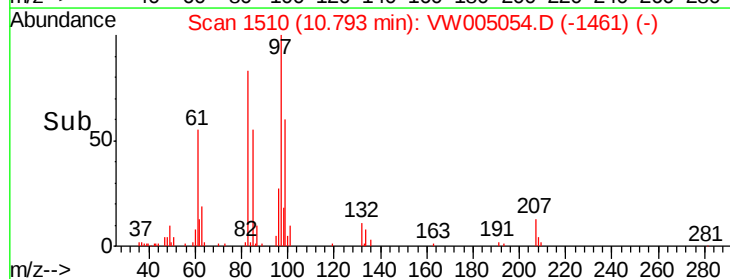
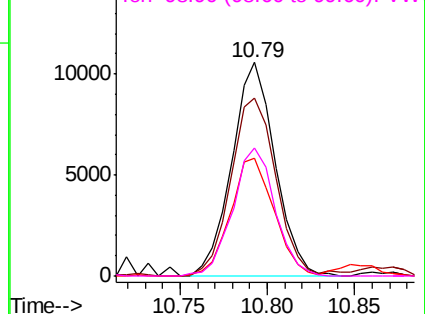
Abundance

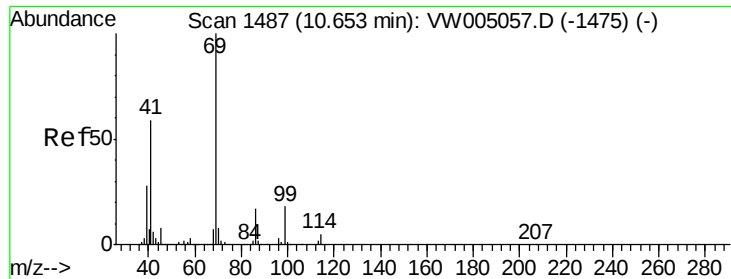
Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW





#56

Ethyl methacrylate

Concen: 4.264 ug/l

RT: 10.65 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

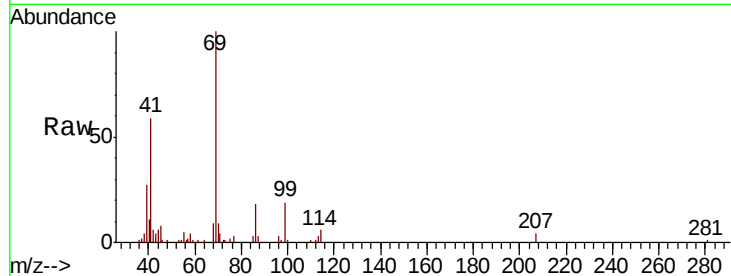
Tgt Ion: 69 Resp: 16565

Ion Ratio Lower Upper

69 100

41 63.3 47.8 71.6

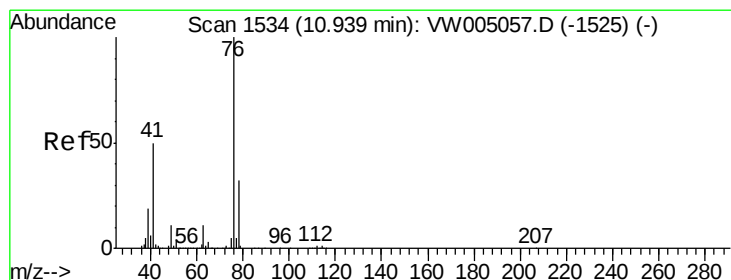
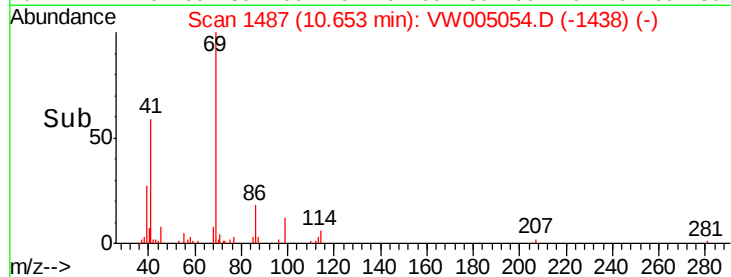
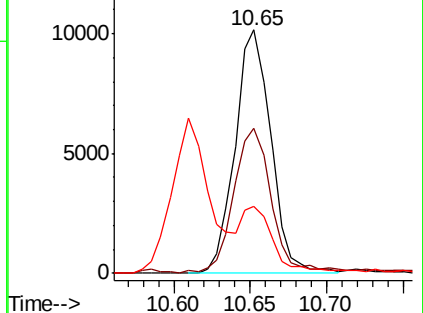
39 21.8 21.1 31.7



Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW



#57

1,3-Dichloropropane

Concen: 5.120 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.00 min

Lab File: VW005054.D

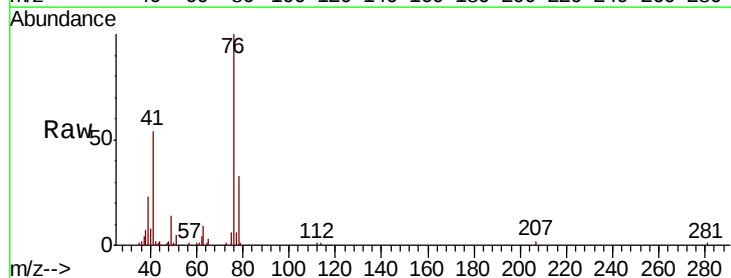
Acq: 31 Aug 2018 23:48

Tgt Ion: 76 Resp: 28702

Ion Ratio Lower Upper

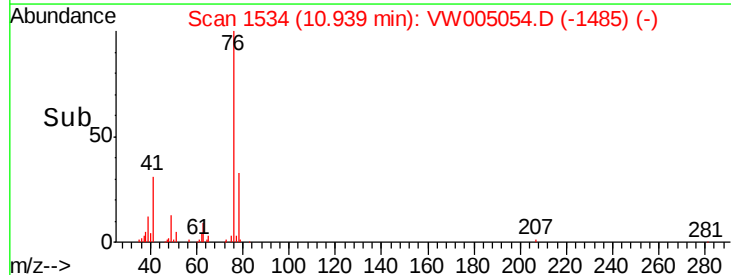
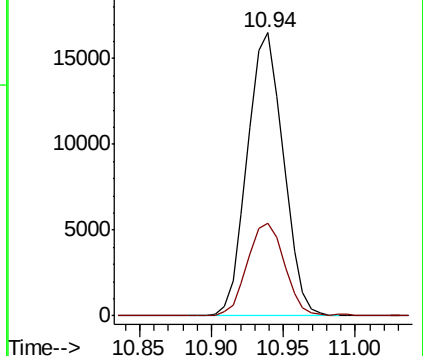
76 100

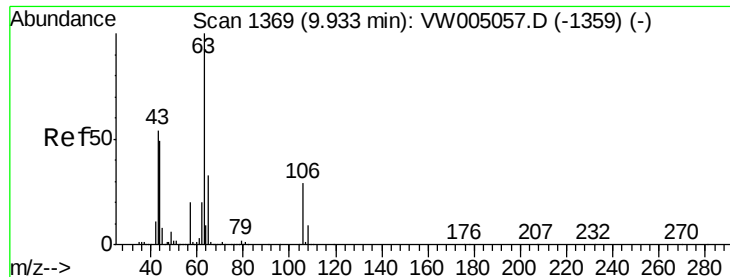
78 34.0 26.3 39.5



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

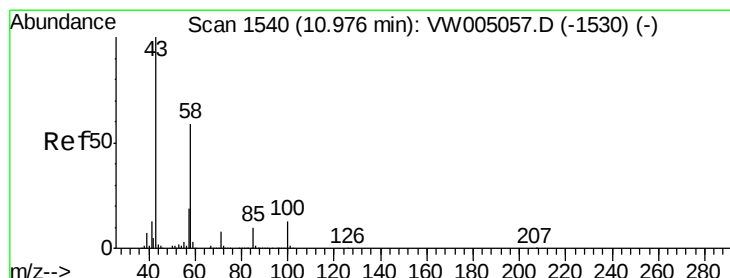
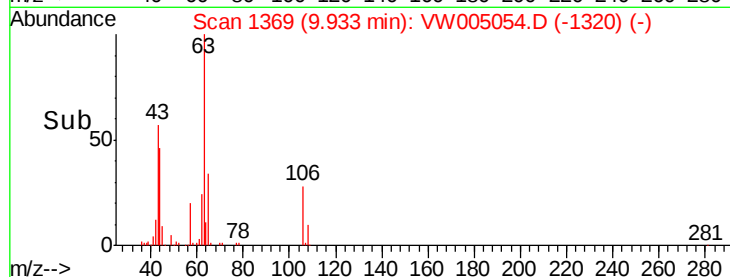
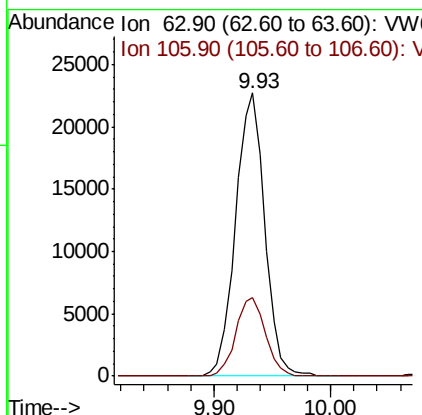
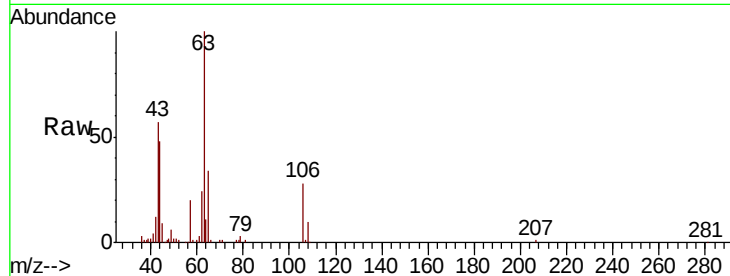




#58
 2-Chloroethyl Vinyl ether
 Concen: 21.514 ug/l
 RT: 9.93 min Scan# 1369
 Delta R.T. -0.00 min
 Lab File: VW005054.D
 Acq: 31 Aug 2018 23:48

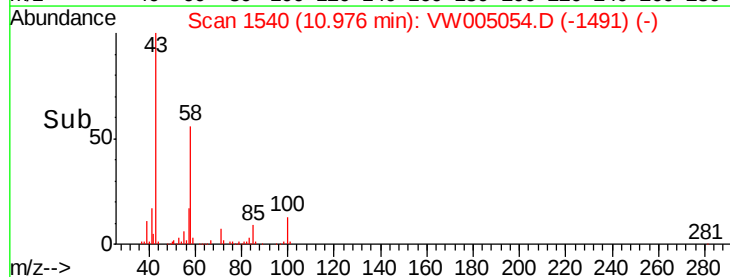
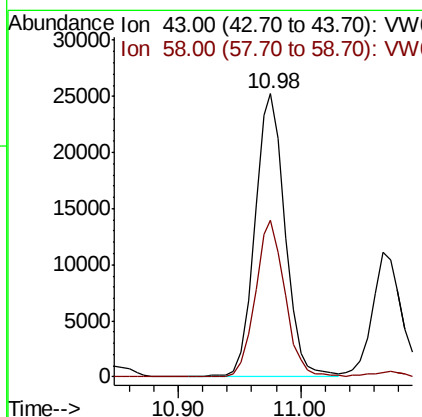
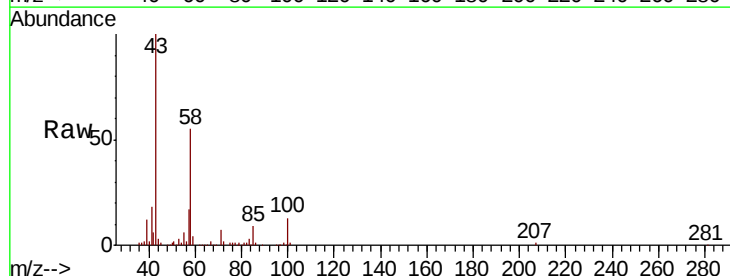
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

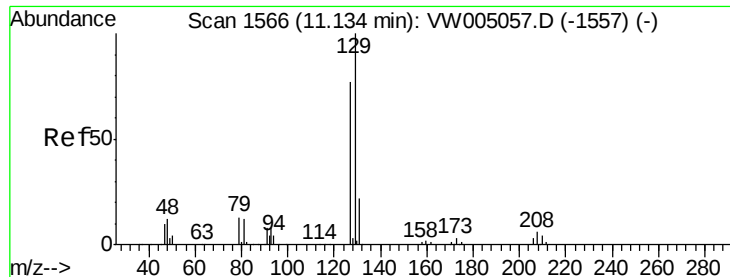
Tgt Ion: 63 Resp: 39599
 Ion Ratio Lower Upper
 63 100
 106 28.4 23.1 34.7



#59
 2-Hexanone
 Concen: 22.828 ug/l
 RT: 10.98 min Scan# 1540
 Delta R.T. -0.00 min
 Lab File: VW005054.D
 Acq: 31 Aug 2018 23:48

Tgt Ion: 43 Resp: 43303
 Ion Ratio Lower Upper
 43 100
 58 54.3 28.7 86.3





#60

Dibromochloromethane

Concen: 5.061 ug/l

RT: 11.13 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

Instrument :

MSVOA_W

ClientSampleId :

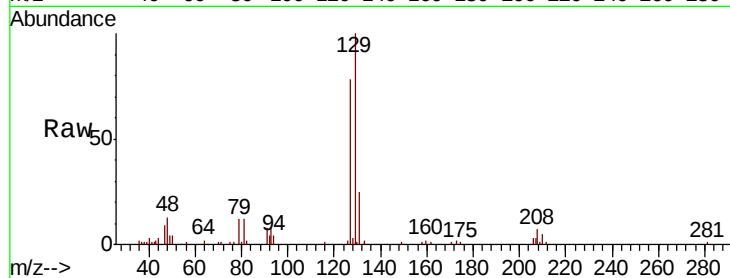
VSTDIC005

Tgt Ion:129 Resp: 19481

Ion Ratio Lower Upper

129 100

127 78.7 38.9 116.7



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

11.13

12000

10000

8000

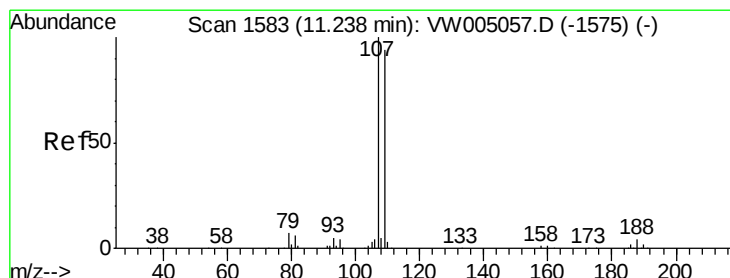
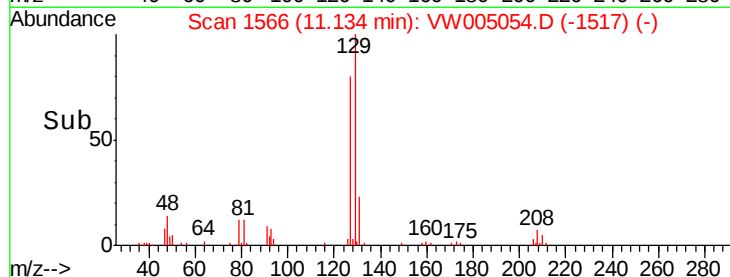
6000

4000

2000

0

Time--> 11.05 11.10 11.15 11.20



#61

1,2-Dibromoethane

Concen: 5.121 ug/l

RT: 11.24 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VW005054.D

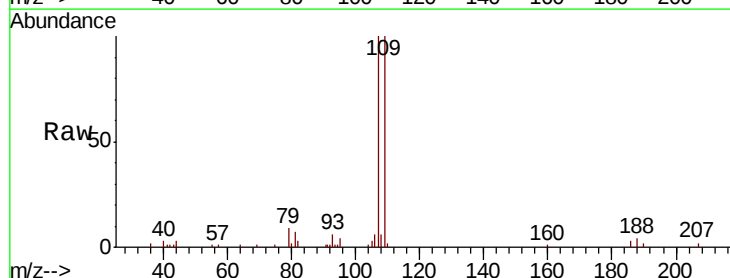
Acq: 31 Aug 2018 23:48

Tgt Ion:107 Resp: 15742

Ion Ratio Lower Upper

107 100

109 96.0 75.9 113.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

10000

8000

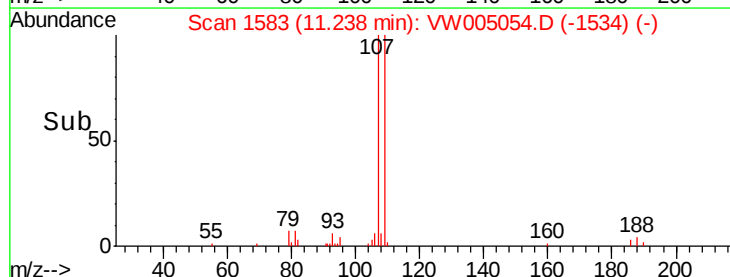
6000

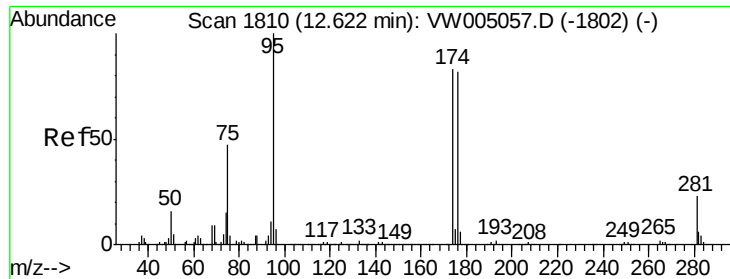
4000

2000

0

Time--> 11.15 11.20 11.25 11.30

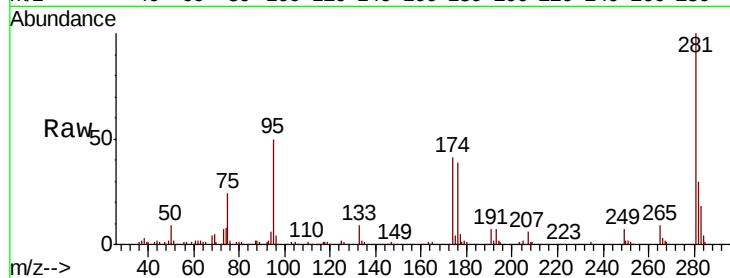




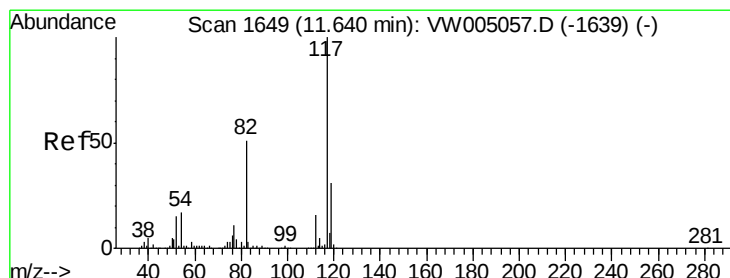
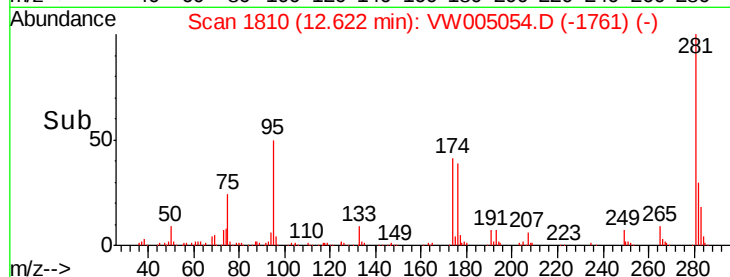
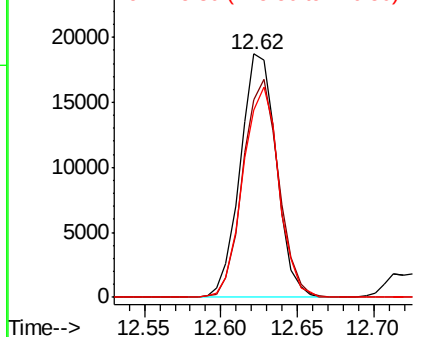
#62
4-Bromofluorobenzene
Concen: 5.062 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VW005054.D
Acq: 31 Aug 2018 23:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion: 95 Resp: 30688
Ion Ratio Lower Upper
95 100
174 88.5 0.0 173.4
176 85.8 0.0 167.4

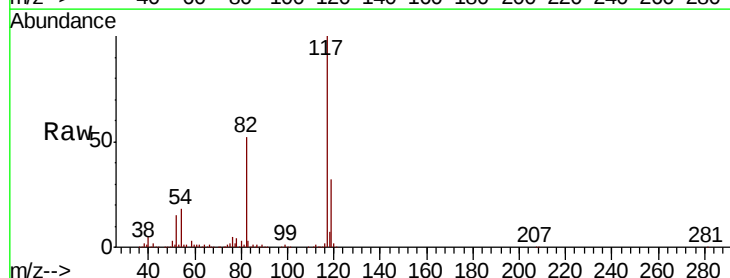


Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW

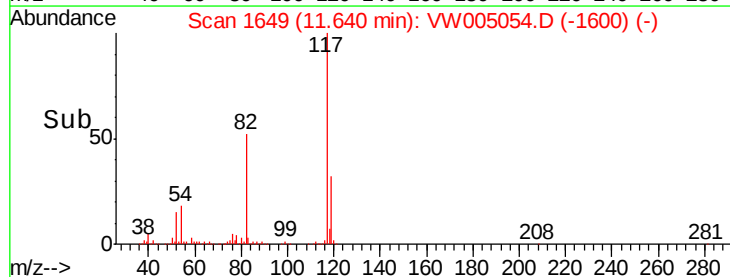
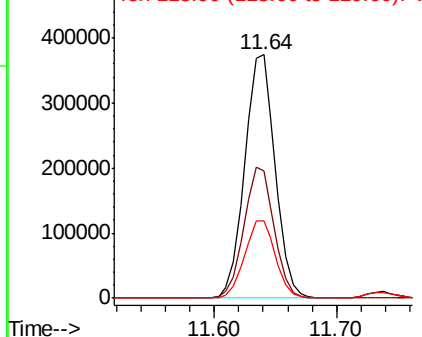


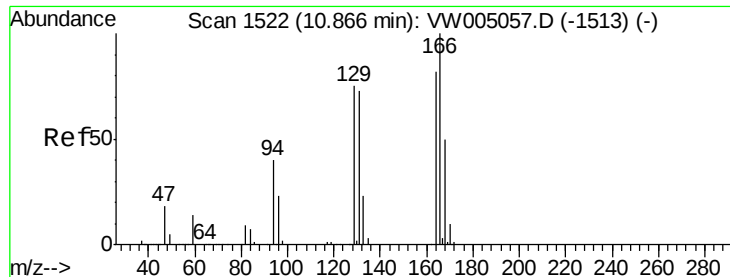
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW005054.D
Acq: 31 Aug 2018 23:48

Tgt Ion: 117 Resp: 645027
Ion Ratio Lower Upper
117 100
82 52.1 40.9 61.3
119 31.8 24.9 37.3



Abundance Ion 116.90 (116.60 to 117.60): VW
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): VW





#64

Tetrachloroethene

Concen: 5.248 ug/l

RT: 10.87 min Scan# 1522

Delta R.T. -0.00 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion:164 Resp: 26561

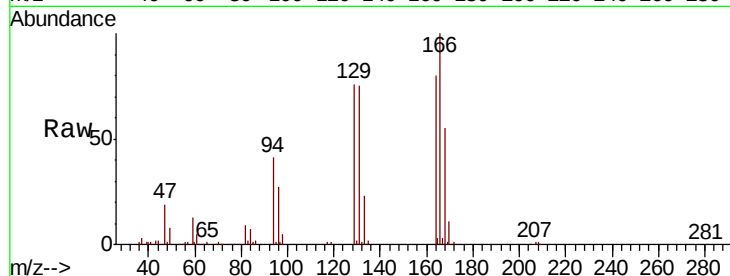
Ion Ratio Lower Upper

164 100

166 124.3 97.3 145.9

129 94.2 73.1 109.7

131 92.7 71.3 106.9



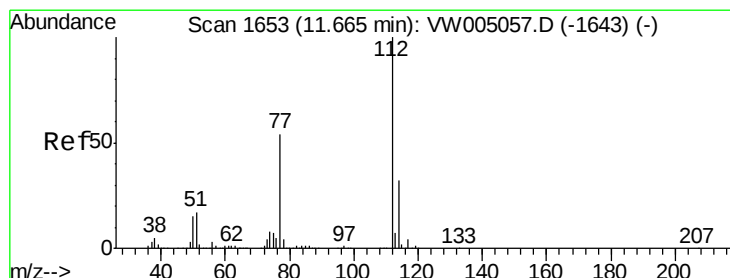
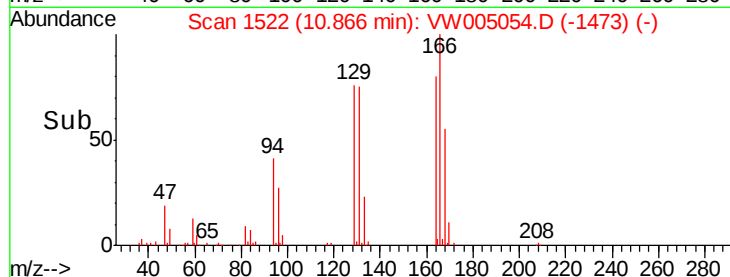
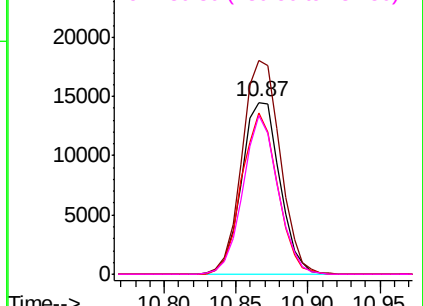
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 5.103 ug/l

RT: 11.66 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VW005054.D

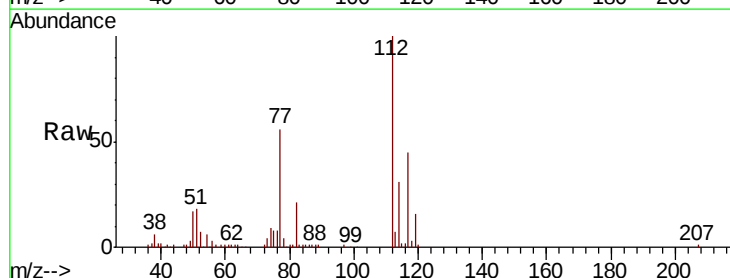
Acq: 31 Aug 2018 23:48

Tgt Ion:112 Resp: 74099

Ion Ratio Lower Upper

112 100

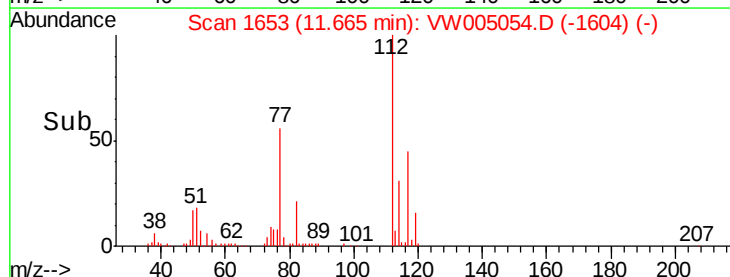
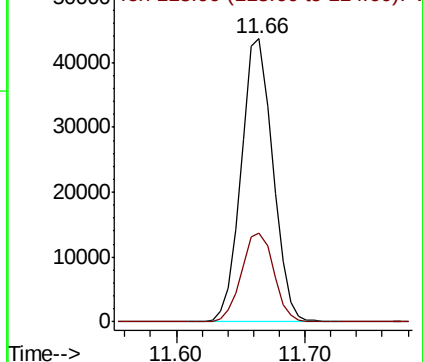
114 31.2 26.0 39.0

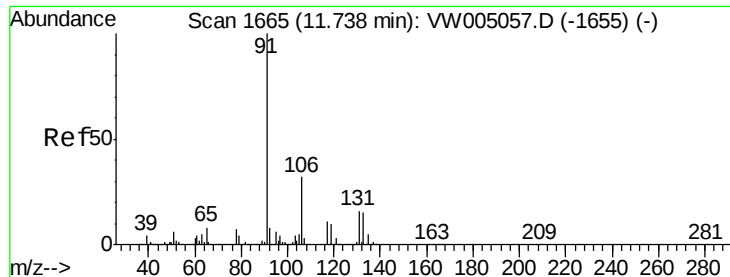


Abundance

Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

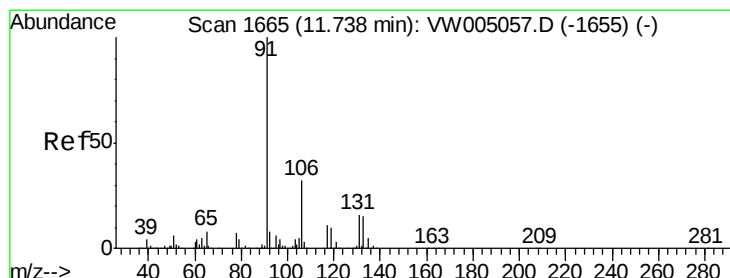
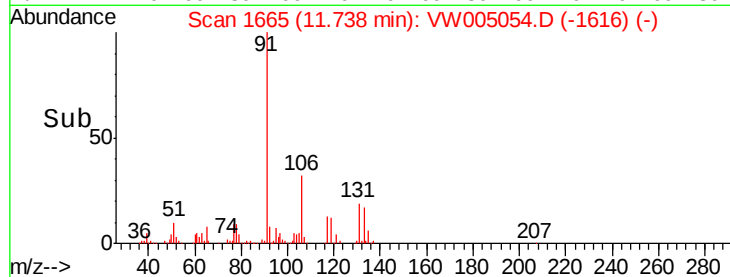
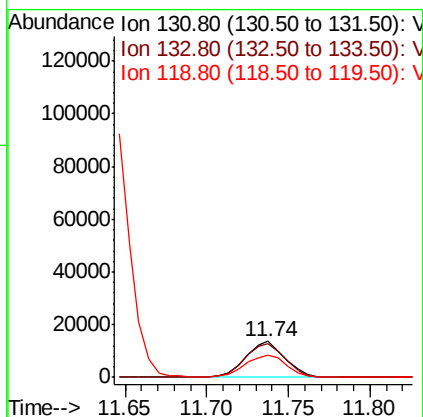
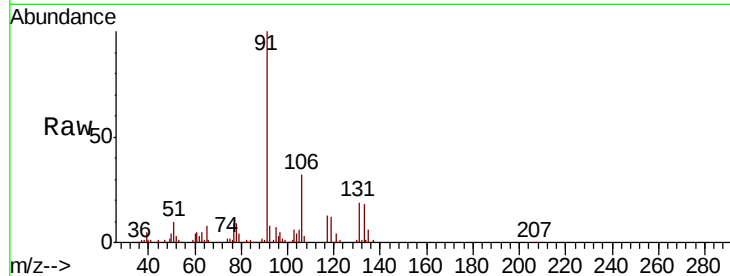




#66
 1,1,1,2-Tetrachloroethane
 Concen: 5.088 ug/l
 RT: 11.74 min Scan# 1665
 Delta R.T. -0.00 min
 Lab File: VW005054.D
 Acq: 31 Aug 2018 23:48

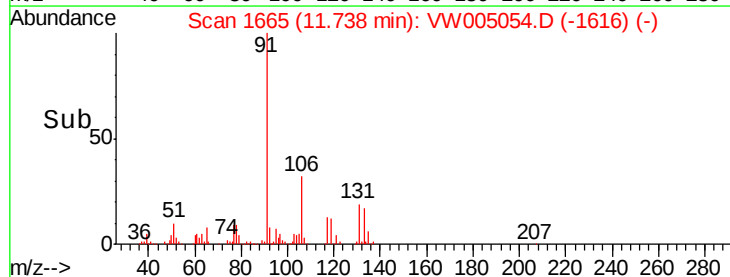
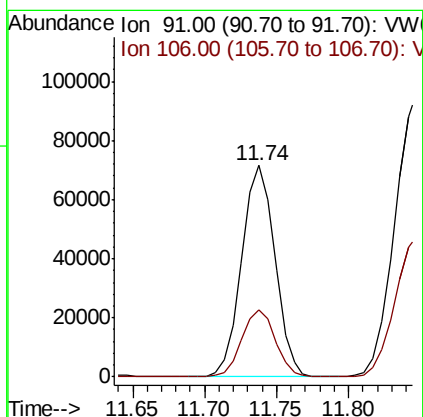
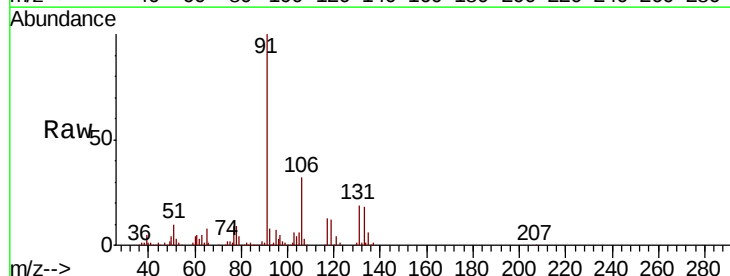
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

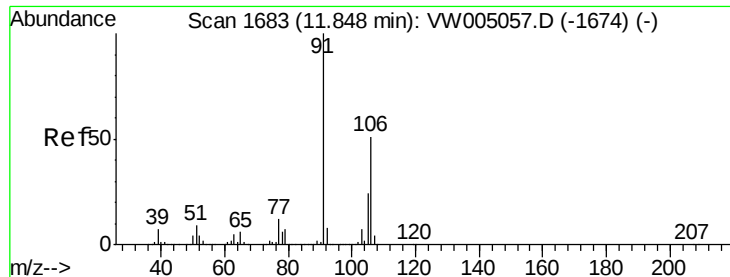
Tgt Ion: 131 Resp: 22577
 Ion Ratio Lower Upper
 131 100
 133 97.1 47.4 142.3
 119 67.3 33.4 100.1



#67
 Ethyl Benzene
 Concen: 4.681 ug/l
 RT: 11.74 min Scan# 1665
 Delta R.T. -0.00 min
 Lab File: VW005054.D
 Acq: 31 Aug 2018 23:48

Tgt Ion: 91 Resp: 114904
 Ion Ratio Lower Upper
 91 100
 106 31.5 25.3 37.9

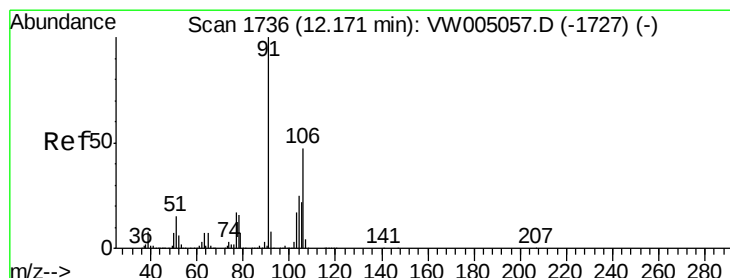
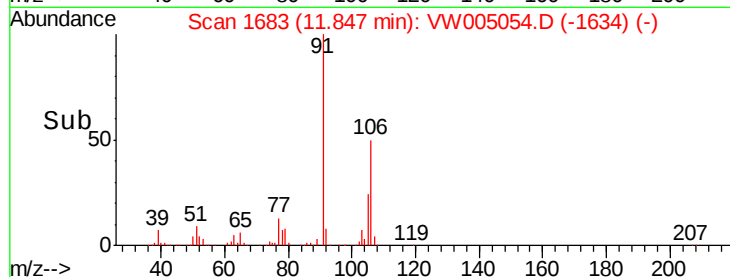
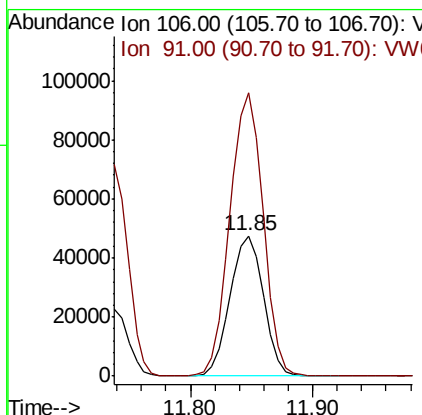
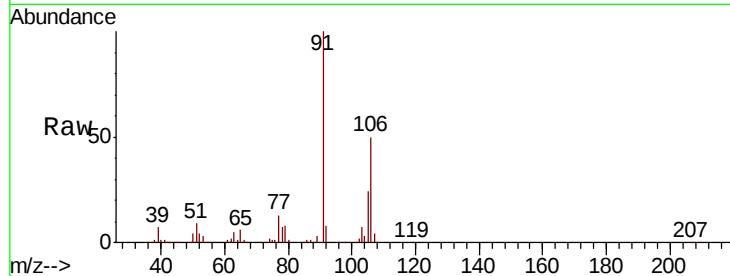




#68
m/p-Xylenes
Concen: 9.179 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW005054.D
Acq: 31 Aug 2018 23:48

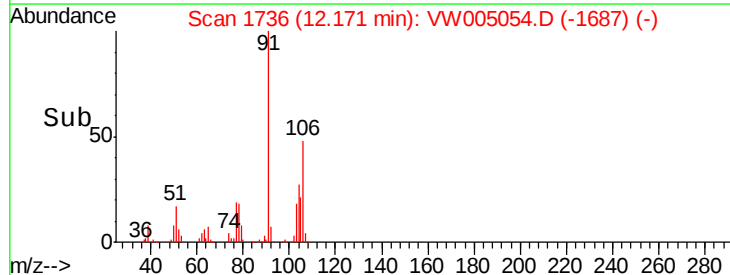
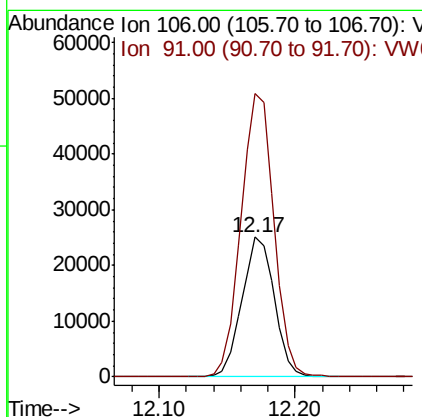
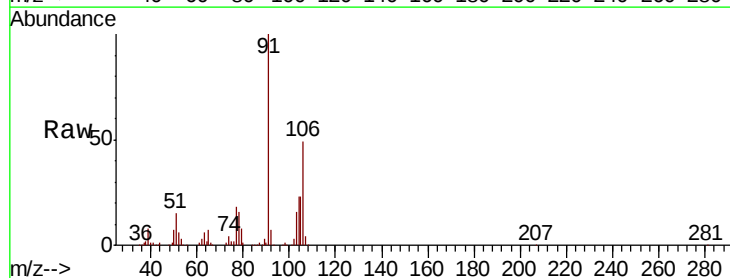
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

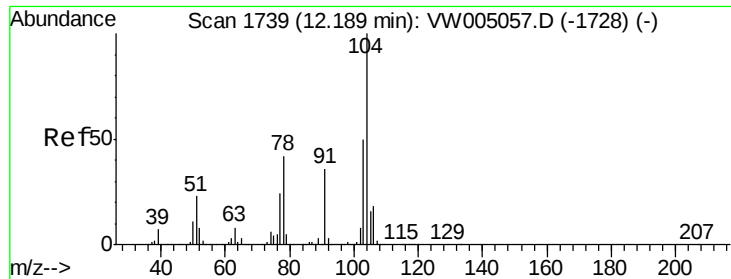
Tgt Ion:106 Resp: 90221
Ion Ratio Lower Upper
106 100
91 199.9 158.4 237.6



#69
o-Xylene
Concen: 4.590 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW005054.D
Acq: 31 Aug 2018 23:48

Tgt Ion:106 Resp: 41714
Ion Ratio Lower Upper
106 100
91 205.9 105.6 316.8





#70

Styrene

Concen: 4.368 ug/l

RT: 12.19 min Scan# 1739

Delta R.T. -0.00 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

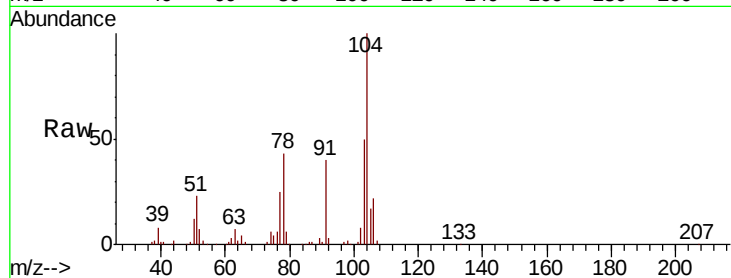
Tgt Ion:104 Resp: 65576

Ion Ratio Lower Upper

104 100

78 47.0 37.8 56.6

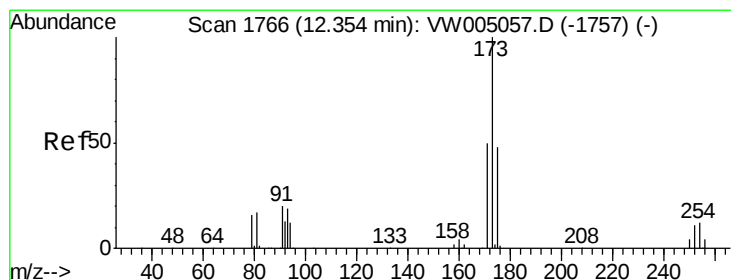
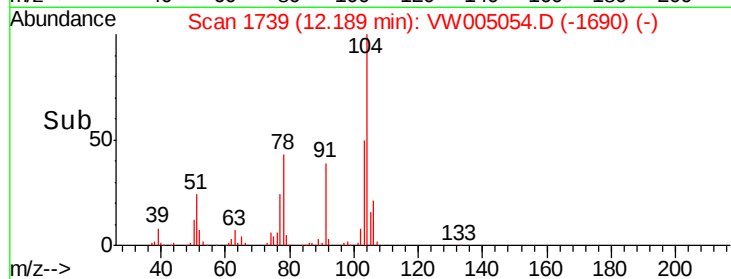
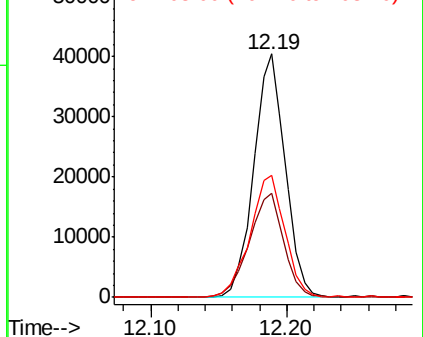
103 55.7 44.1 66.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 4.916 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

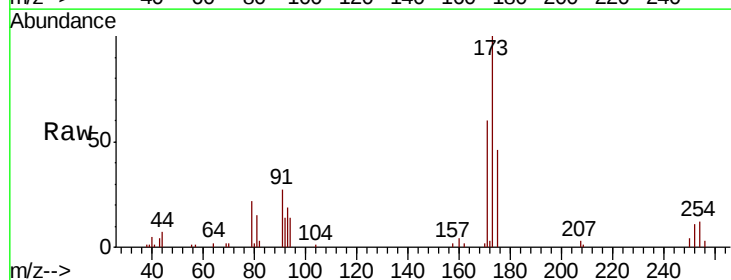
Tgt Ion:173 Resp: 11563

Ion Ratio Lower Upper

173 100

175 48.7 24.1 72.2

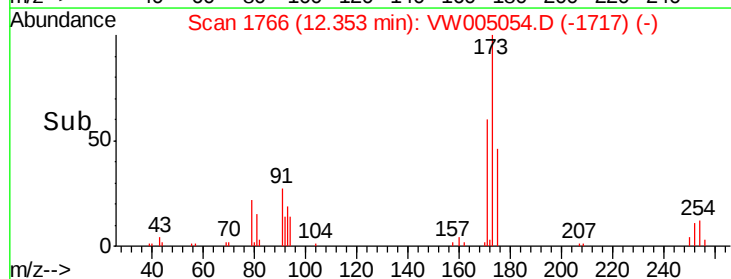
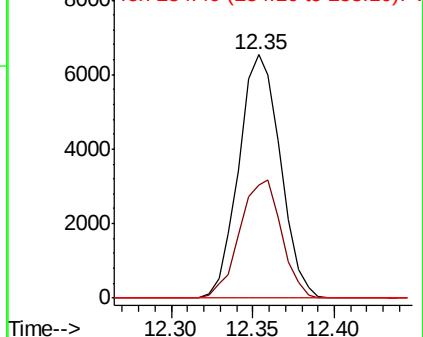
254 0.0 0.2 0.2#

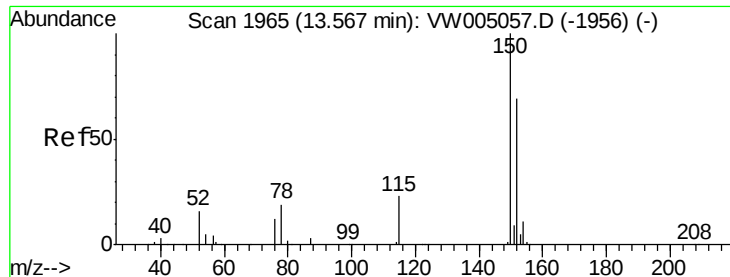


Abundance Ion 172.70 (172.40 to 173.40): V

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: 13.57 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

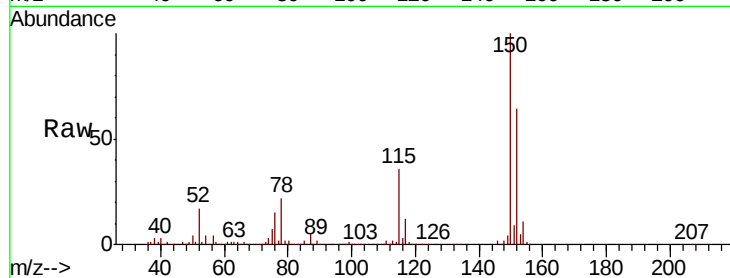
Tgt Ion:152 Resp: 351460

Ion Ratio Lower Upper

152 100

115 56.2 27.8 83.4

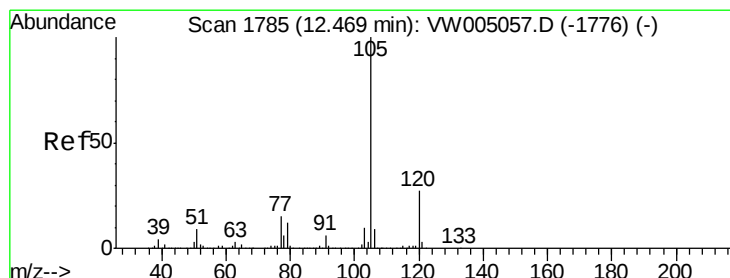
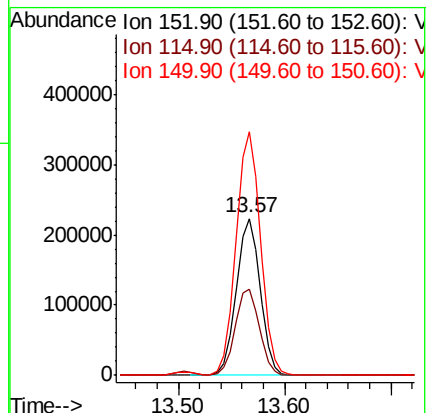
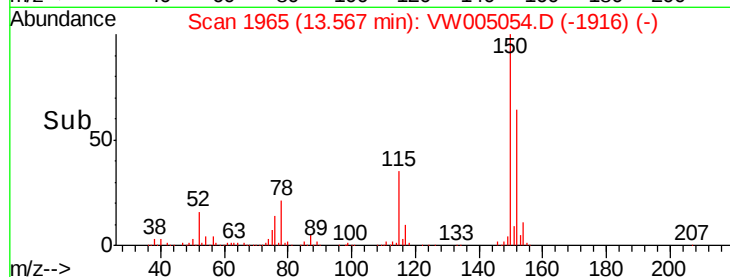
150 159.2 0.0 351.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 4.299 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW005054.D

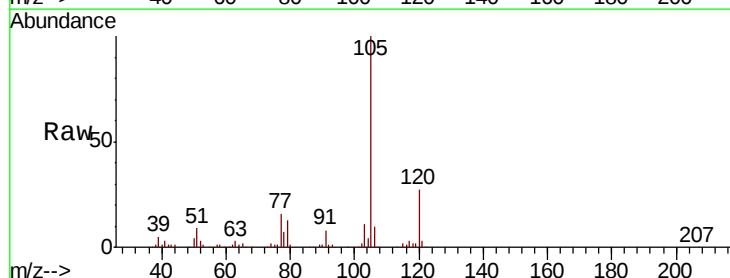
Acq: 31 Aug 2018 23:48

Tgt Ion:105 Resp: 106545

Ion Ratio Lower Upper

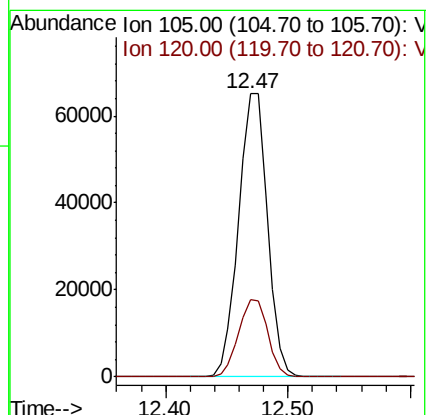
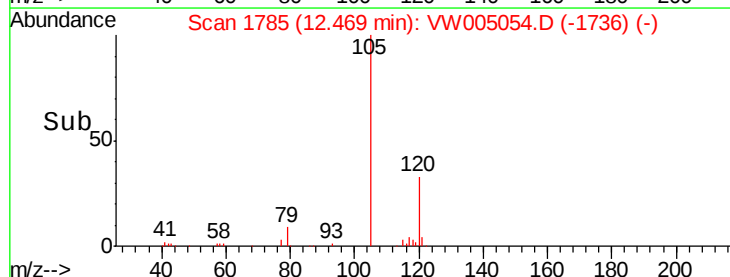
105 100

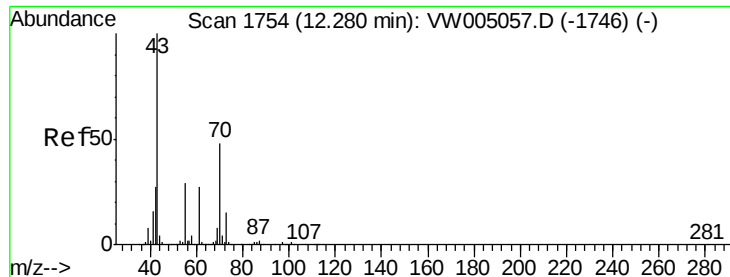
120 27.4 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amyI acetate

Concen: 4.277 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. -0.00 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 18249

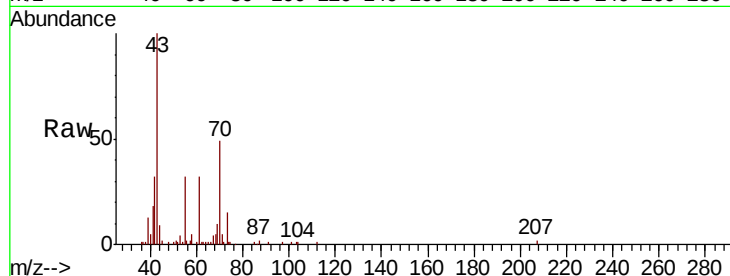
Ion Ratio Lower Upper

43 100

70 45.0 38.2 57.4

55 30.0 23.2 34.8

61 26.5 20.6 31.0

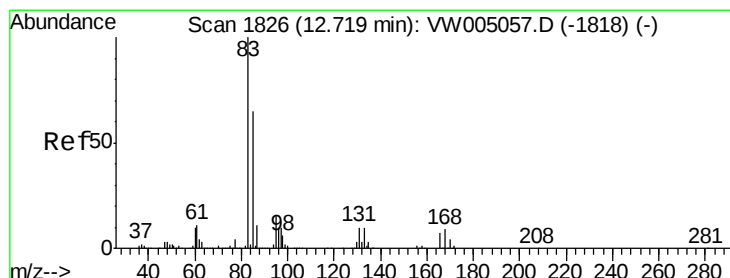
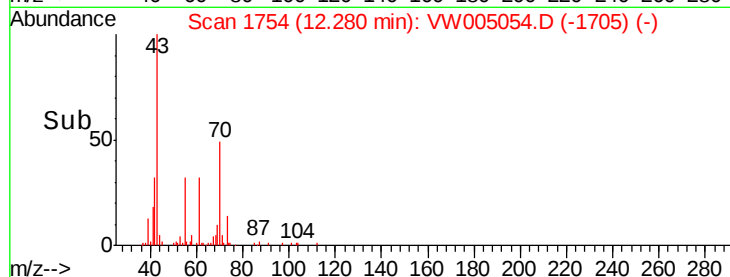
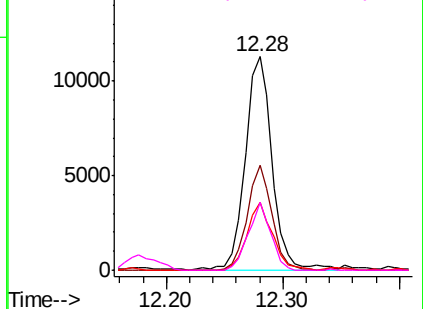


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#75

1,1,2,2-Tetrachloroethane

Concen: 5.060 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

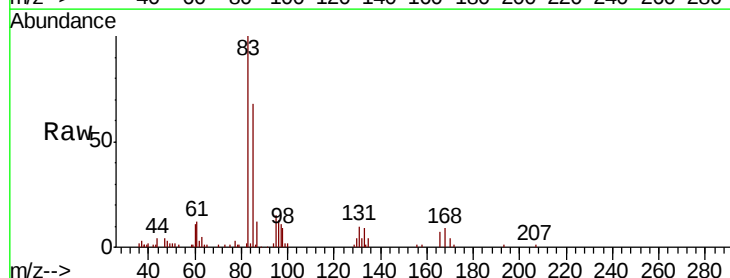
Tgt Ion: 83 Resp: 19089

Ion Ratio Lower Upper

83 100

131 11.3 5.5 16.4

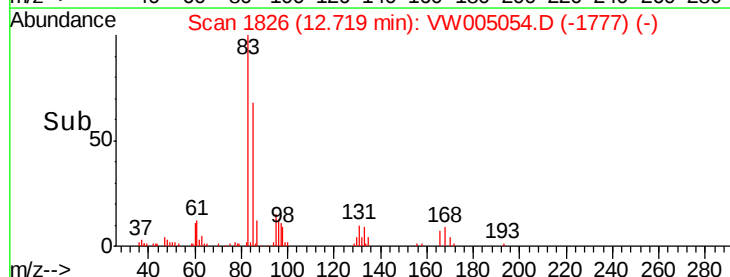
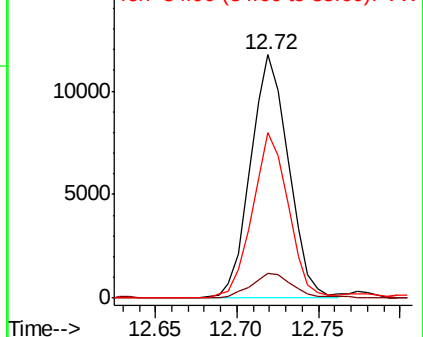
85 64.5 32.5 97.4

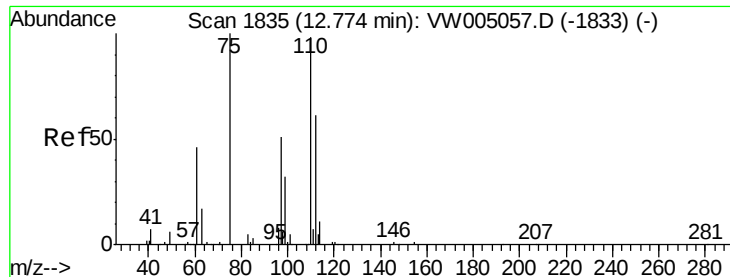


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW





#76

1,2,3-Trichloropropane

Concen: 9.305 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

Instrument :

MSVOA_W

ClientSampleId :

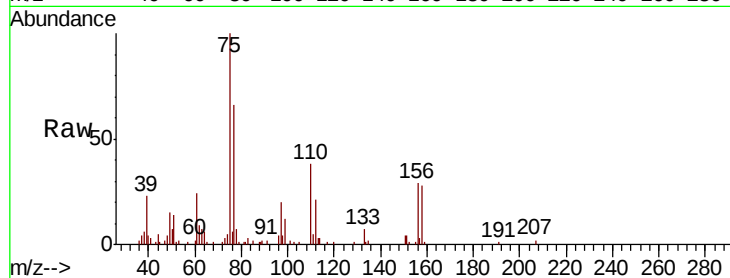
VSTDIC005

Tgt Ion: 75 Resp: 24549

Ion Ratio Lower Upper

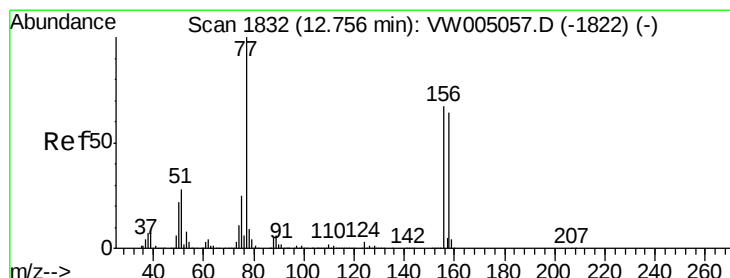
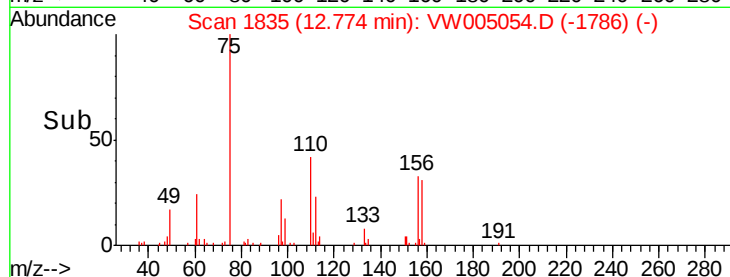
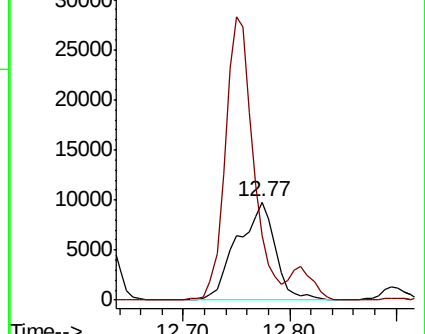
75 100

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: 4.863 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. -0.01 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

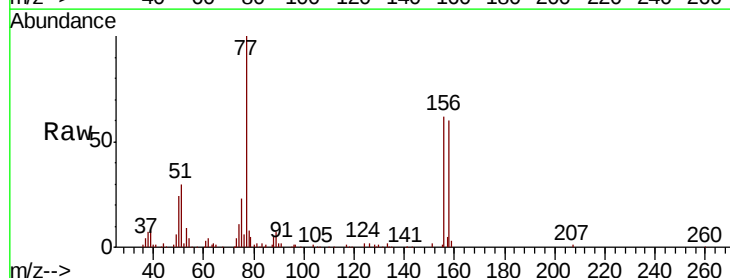
Tgt Ion: 156 Resp: 29695

Ion Ratio Lower Upper

156 100

77 175.3 85.8 257.4

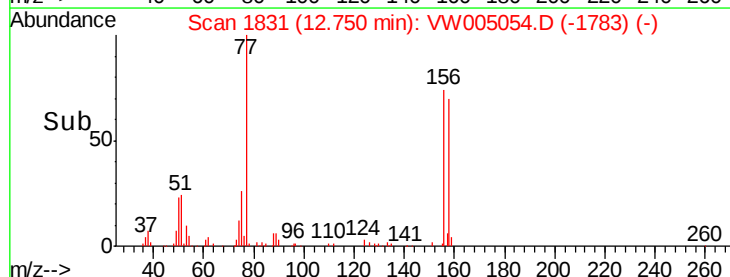
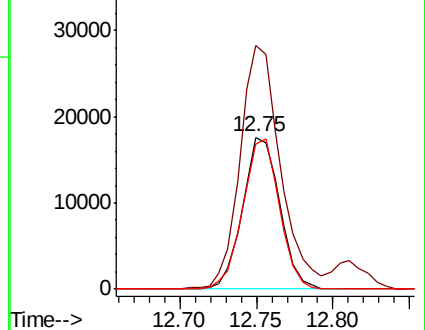
158 97.3 48.1 144.4

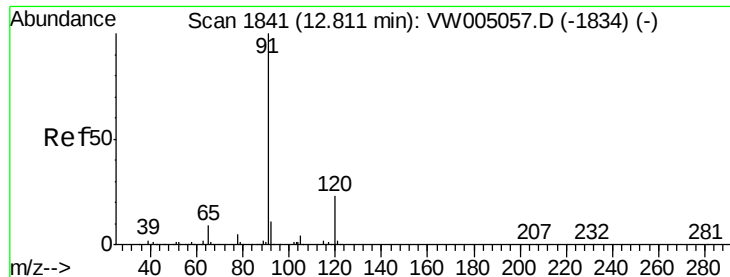


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V

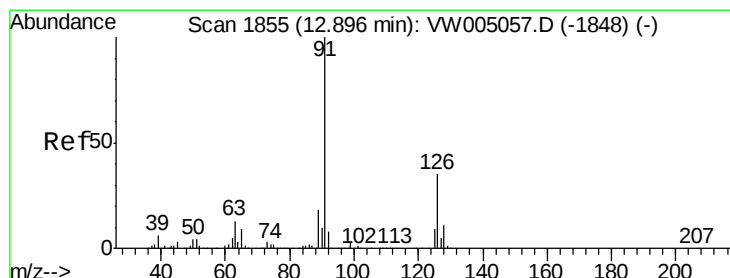
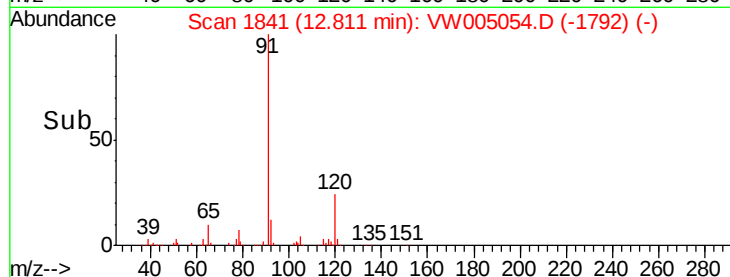
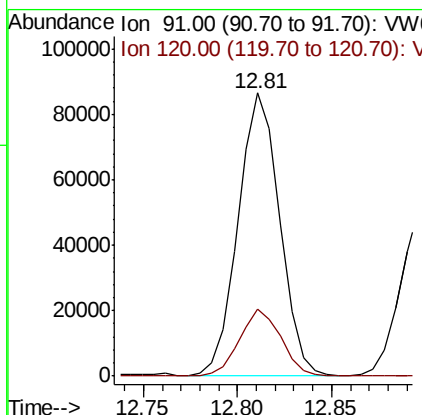
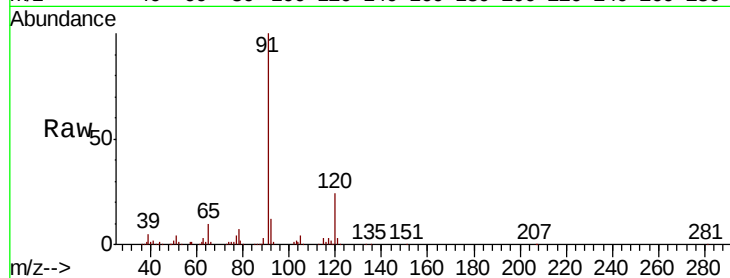




#78
n-propylbenzene
Concen: 4.413 ug/l
RT: 12.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VW005054.D
Acq: 31 Aug 2018 23:48

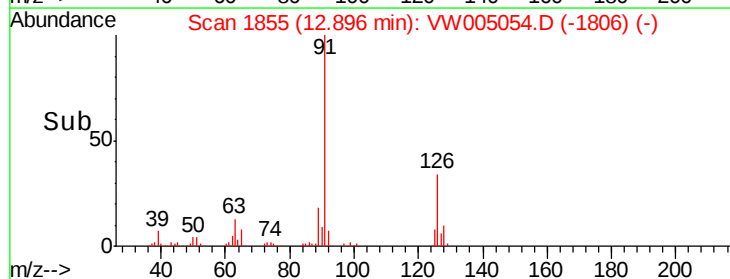
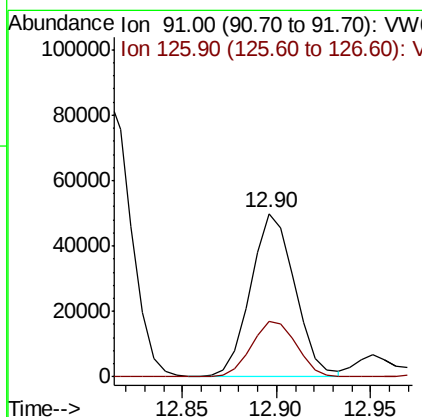
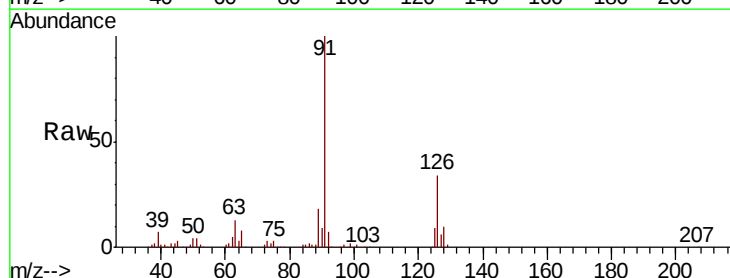
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

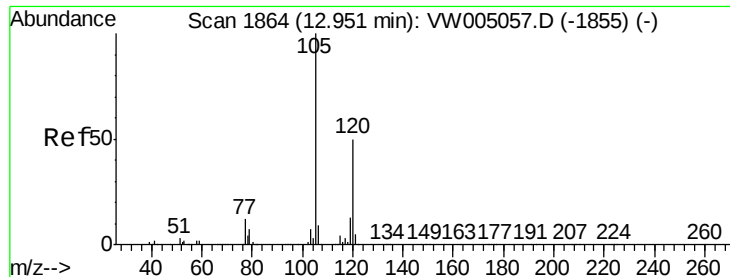
Tgt Ion: 91 Resp: 132013
Ion Ratio Lower Upper
91 100
120 23.5 11.8 35.3



#79
2-Chlorotoluene
Concen: 4.640 ug/l
RT: 12.90 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW005054.D
Acq: 31 Aug 2018 23:48

Tgt Ion: 91 Resp: 80979
Ion Ratio Lower Upper
91 100
126 34.9 17.3 52.0

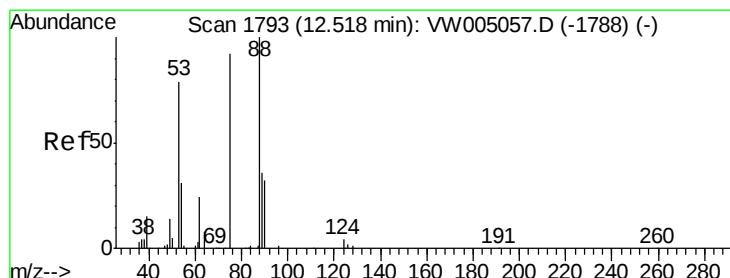
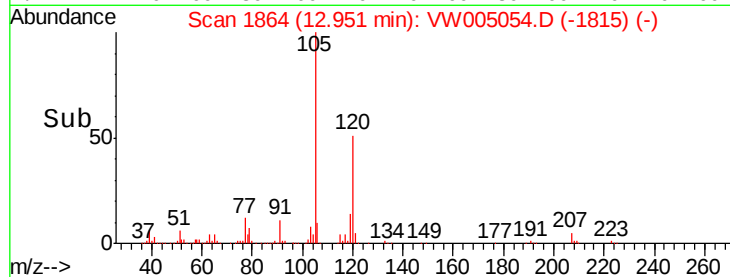
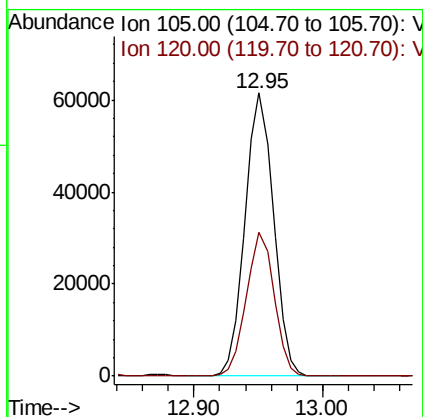
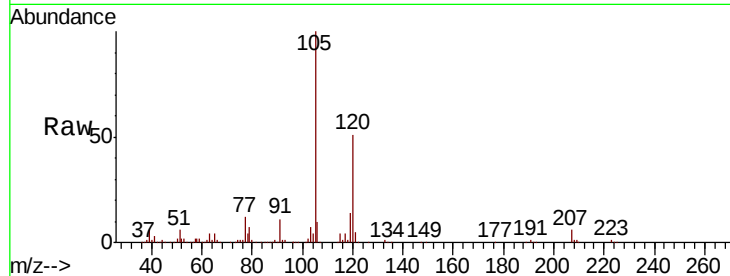




#80
 1,3,5-Trimethylbenzene
 Concen: 4.395 ug/l
 RT: 12.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VW005054.D
 Acq: 31 Aug 2018 23:48

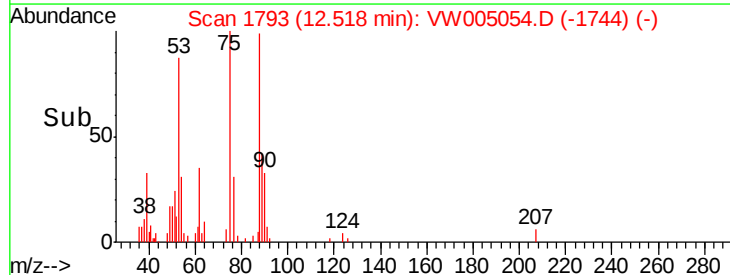
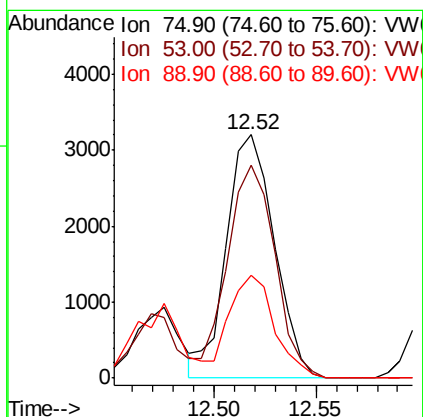
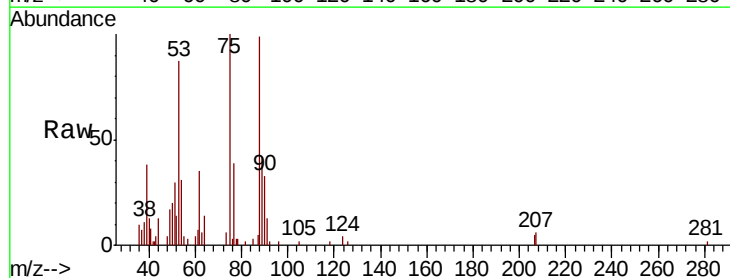
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

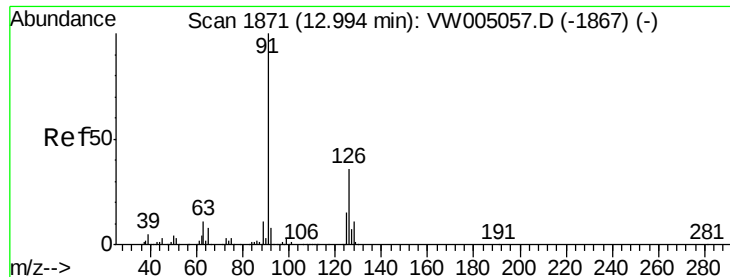
Tgt Ion: 105 Resp: 94190
 Ion Ratio Lower Upper
 105 100
 120 49.7 24.9 74.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 4.769 ug/l
 RT: 12.52 min Scan# 1793
 Delta R.T. -0.00 min
 Lab File: VW005054.D
 Acq: 31 Aug 2018 23:48

Tgt Ion: 75 Resp: 5227
 Ion Ratio Lower Upper
 75 100
 53 86.2 69.8 104.8
 89 39.3 36.0 54.0

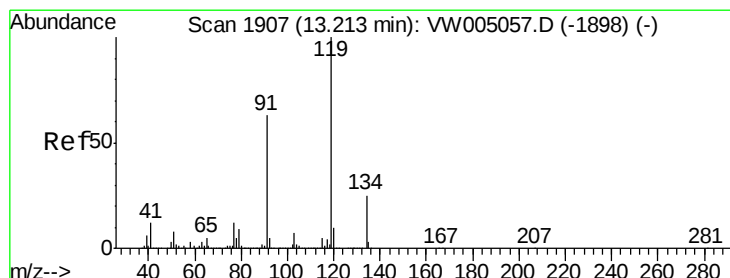
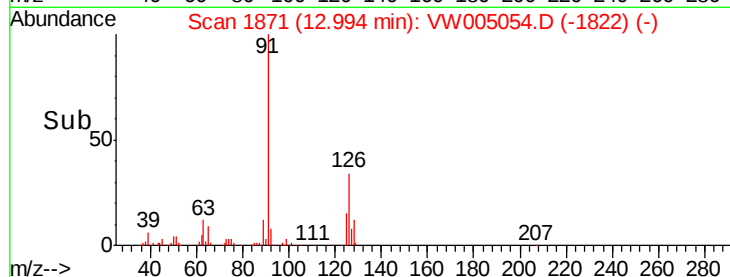
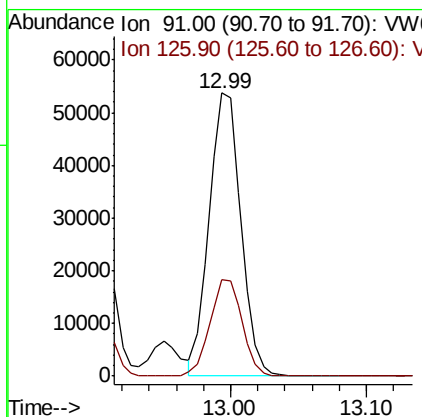
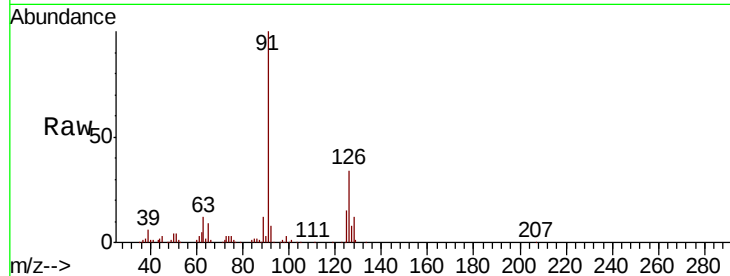




#82
4-Chlorotoluene
Concen: 4.722 ug/l
RT: 12.99 min Scan# 1871
Delta R.T. -0.00 min
Lab File: VW005054.D
Acq: 31 Aug 2018 23:48

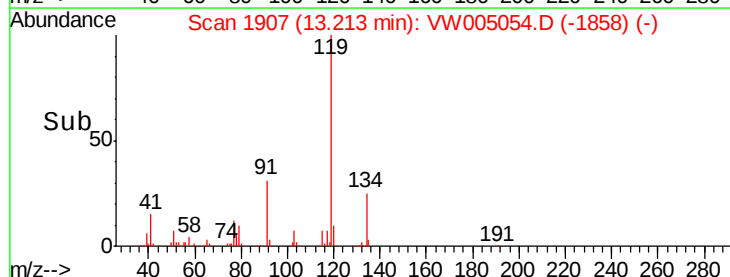
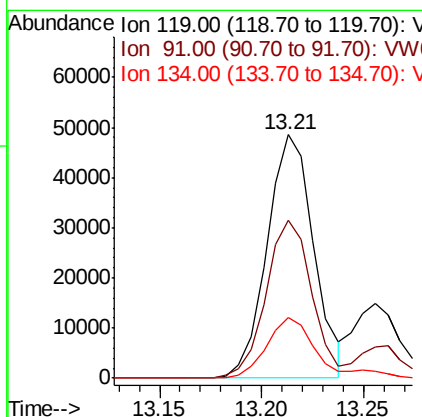
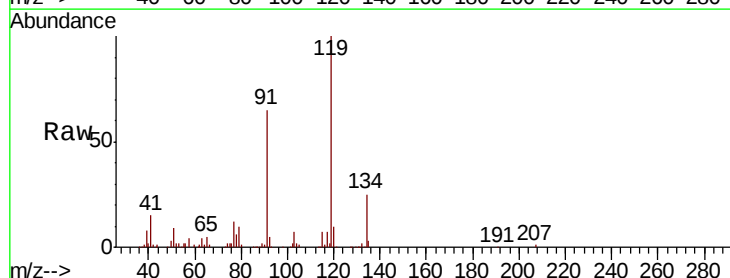
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

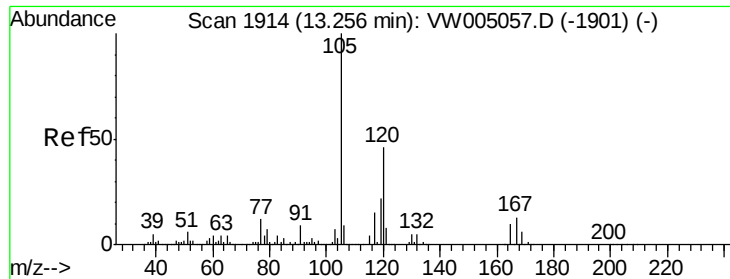
Tgt Ion: 91 Resp: 87020
Ion Ratio Lower Upper
91 100
126 34.3 17.4 52.3



#83
tert-Butylbenzene
Concen: 4.320 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. -0.00 min
Lab File: VW005054.D
Acq: 31 Aug 2018 23:48

Tgt Ion: 119 Resp: 77320
Ion Ratio Lower Upper
119 100
91 63.0 31.8 95.4
134 25.0 13.0 39.0

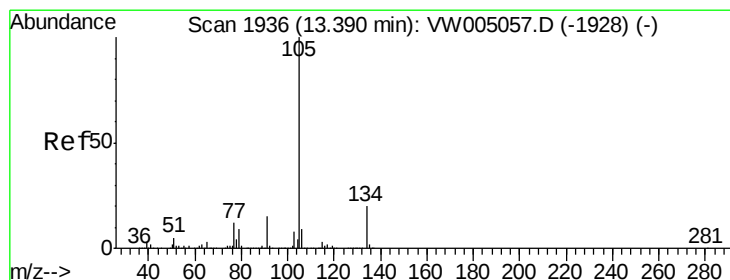
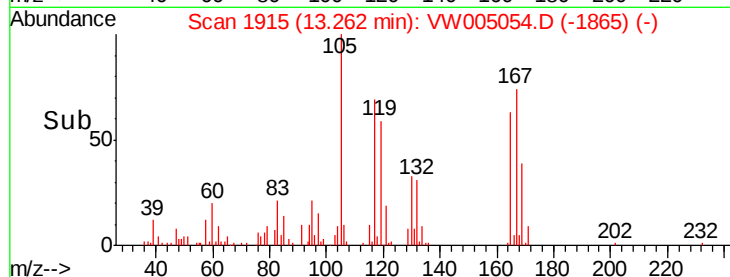
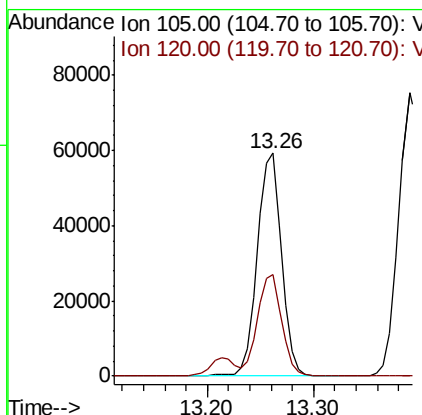
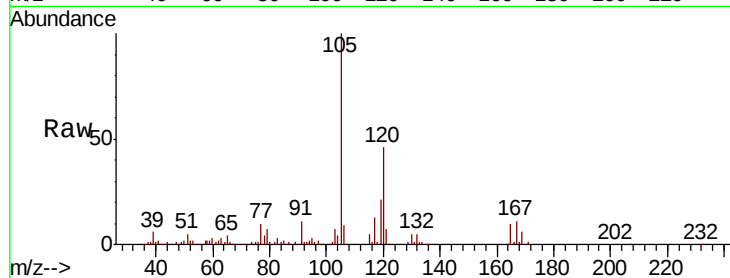




#84
 1,2,4-Trimethylbenzene
 Concen: 4.372 ug/l
 RT: 13.26 min Scan# 1915
 Delta R.T. 0.01 min
 Lab File: VW005054.D
 Acq: 31 Aug 2018 23:48

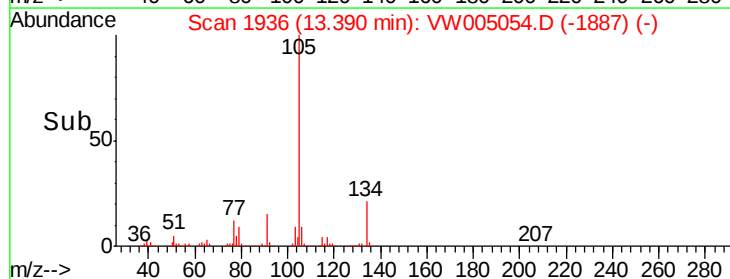
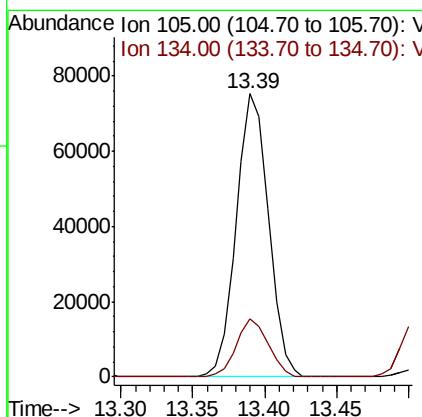
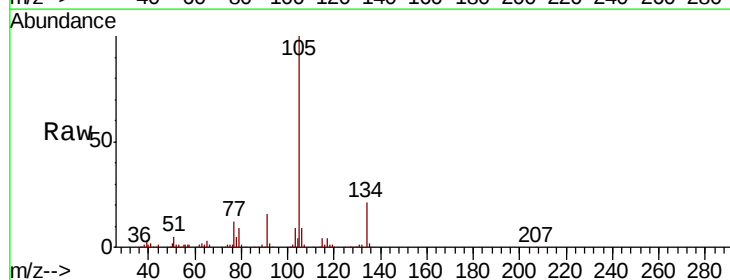
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

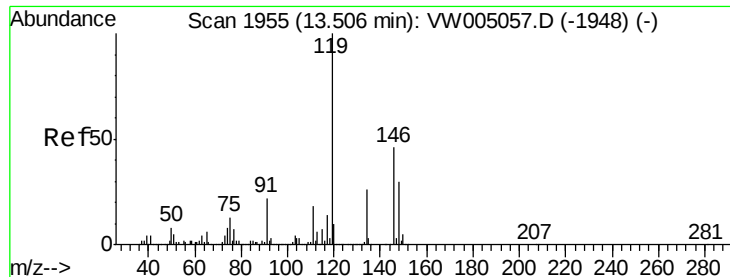
Tgt Ion:105 Resp: 95428
 Ion Ratio Lower Upper
 105 100
 120 45.2 23.1 69.3



#85
 sec-Butylbenzene
 Concen: 4.482 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VW005054.D
 Acq: 31 Aug 2018 23:48

Tgt Ion:105 Resp: 117880
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.1 30.3

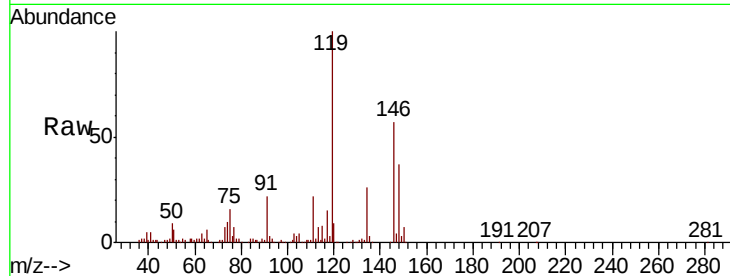




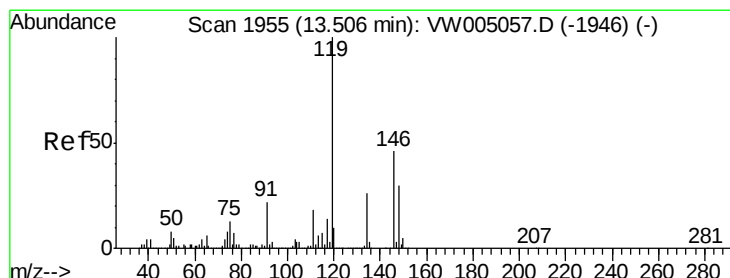
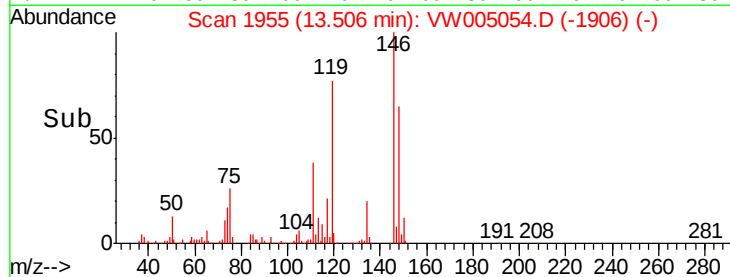
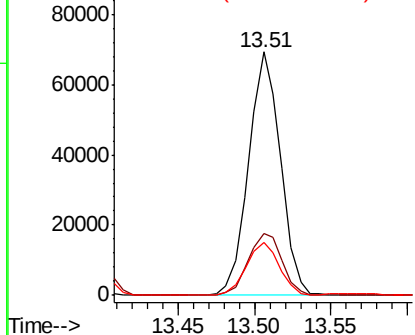
#86
p-Isopropyltoluene
Concen: 4.297 ug/l
RT: 13.51 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW005054.D
Acq: 31 Aug 2018 23:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.0	13.3	39.8
91	22.6	10.9	32.9

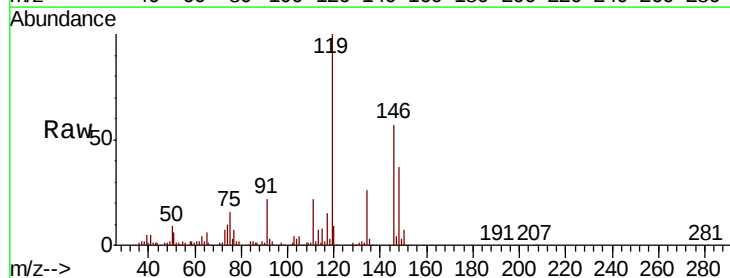


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

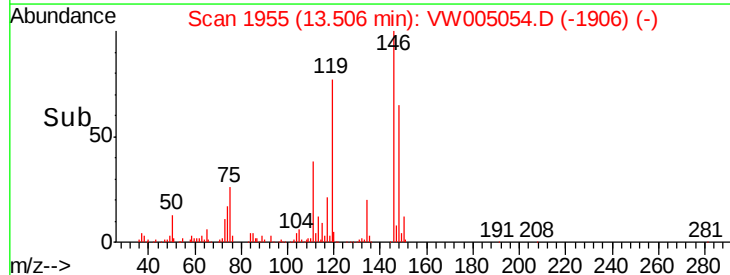
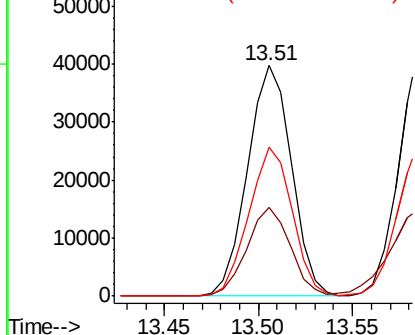


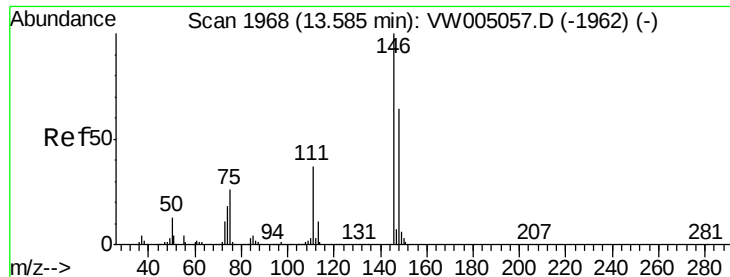
#87
1,3-Dichlorobenzene
Concen: 5.119 ug/l
RT: 13.51 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW005054.D
Acq: 31 Aug 2018 23:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.2	57.6
148	63.8	31.9	95.7



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

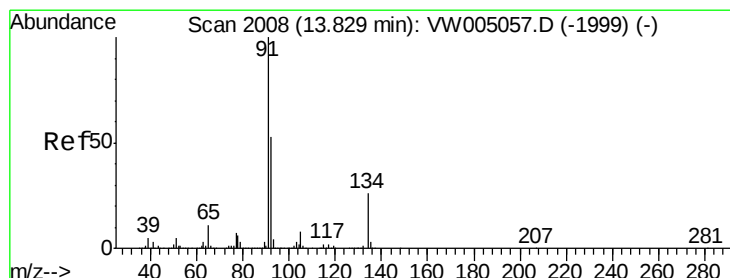
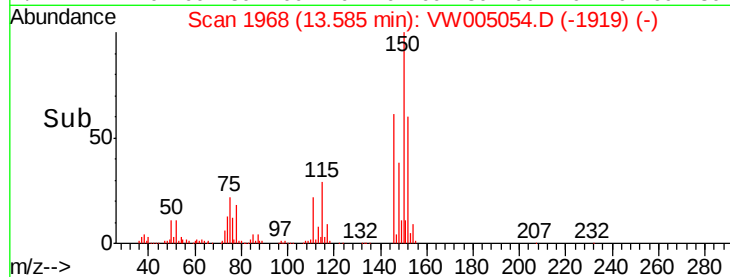
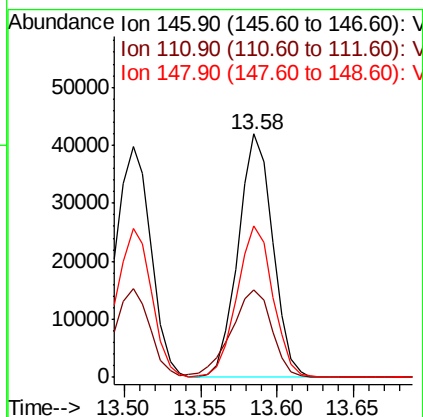
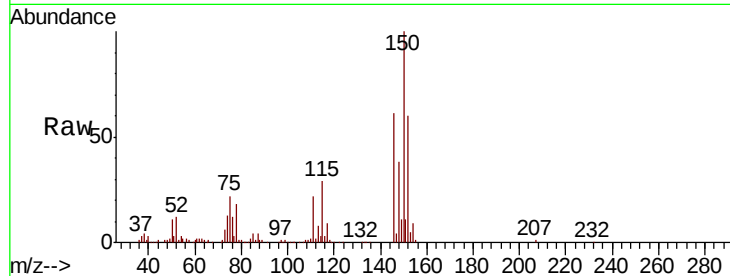




#88
 1,4-Dichlorobenzene
 Concen: 5.284 ug/l
 RT: 13.58 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW005054.D
 Acq: 31 Aug 2018 23:48

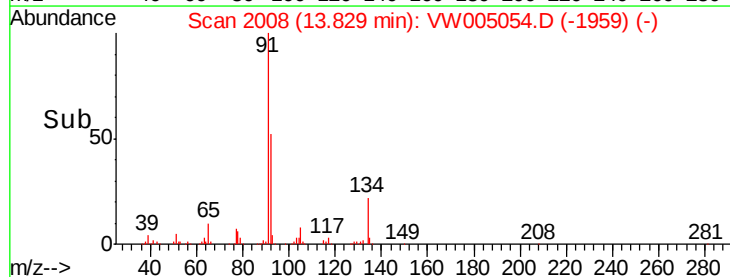
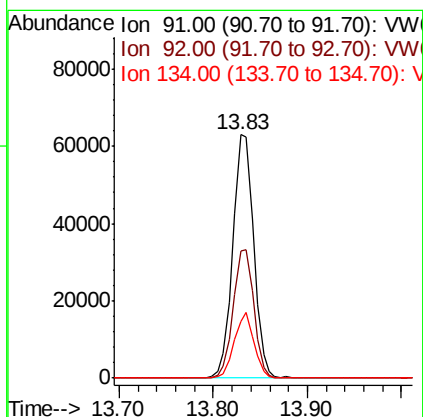
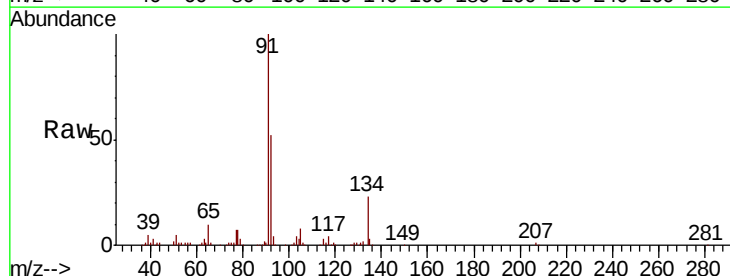
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

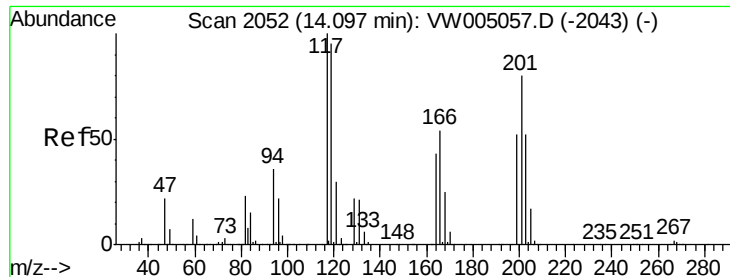
Tgt Ion: 146 Resp: 65742
 Ion Ratio Lower Upper
 146 100
 111 42.7 18.6 56.0
 148 64.8 32.0 96.0



#89
 n-Butylbenzene
 Concen: 4.515 ug/l
 RT: 13.83 min Scan# 2008
 Delta R.T. -0.00 min
 Lab File: VW005054.D
 Acq: 31 Aug 2018 23:48

Tgt Ion: 91 Resp: 97417
 Ion Ratio Lower Upper
 91 100
 92 52.0 26.5 79.5
 134 25.2 13.5 40.4





#90

Hexachloroethane

Concen: 4.744 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. 0.01 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

Instrument :

MSVOA_W

ClientSampleId :

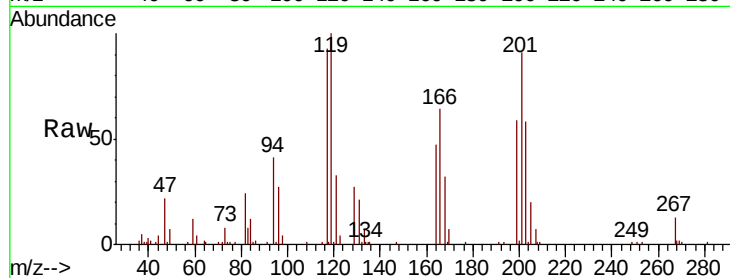
VSTDIC005

Tgt Ion:117 Resp: 18347

Ion Ratio Lower Upper

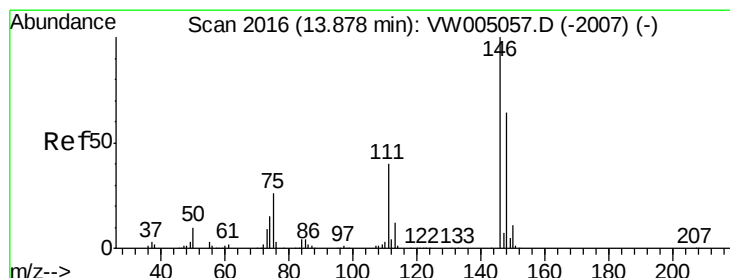
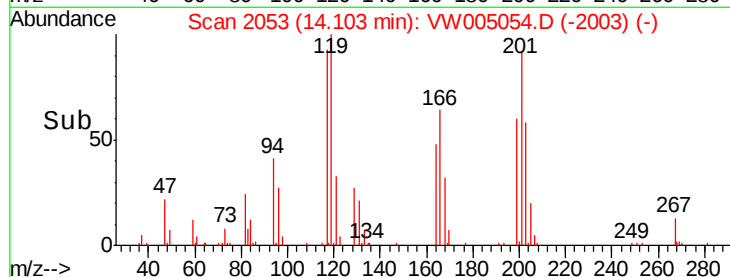
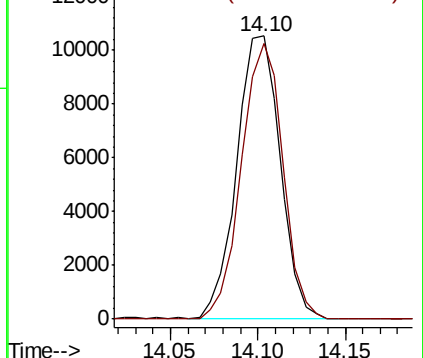
117 100

201 92.8 44.6 133.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 5.135 ug/l

RT: 13.88 min Scan# 2016

Delta R.T. -0.00 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

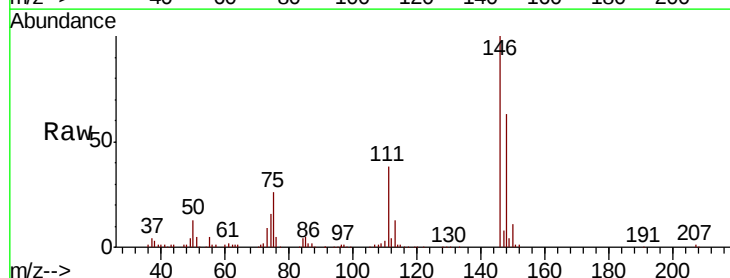
Tgt Ion:146 Resp: 56134

Ion Ratio Lower Upper

146 100

111 40.6 19.9 59.7

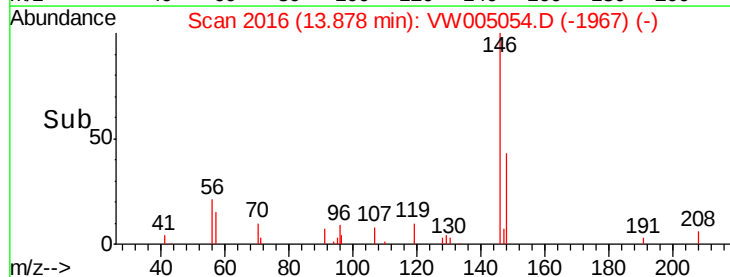
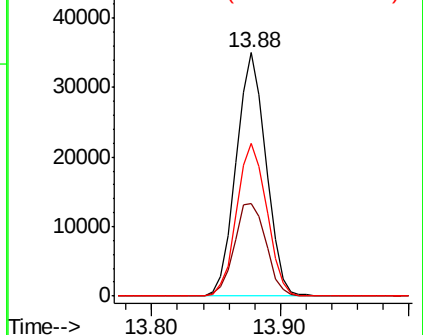
148 63.5 31.9 95.9

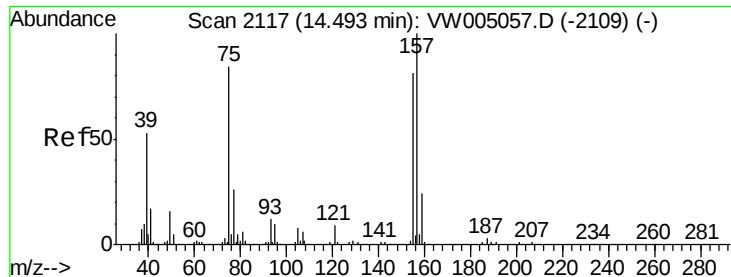


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 5.618 ug/l

RT: 14.50 min Scan# 2118

Delta R.T. 0.01 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

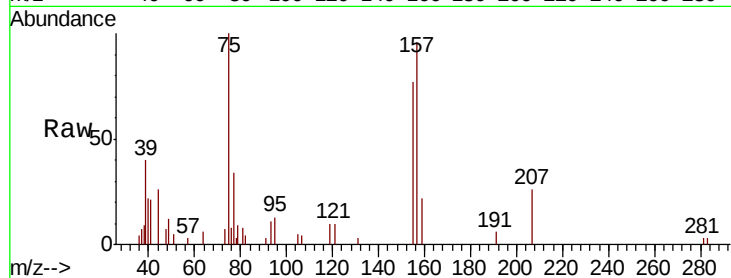
Tgt Ion: 75 Resp: 3312

Ion Ratio Lower Upper

75 100

155 78.8 46.0 137.8

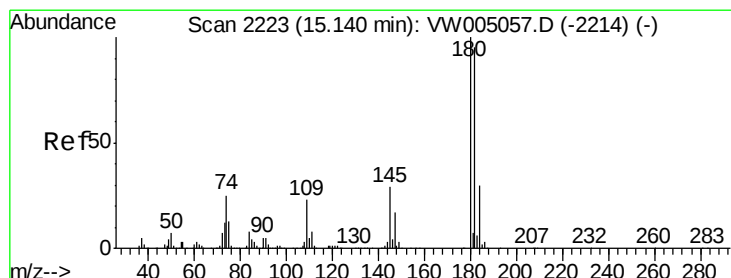
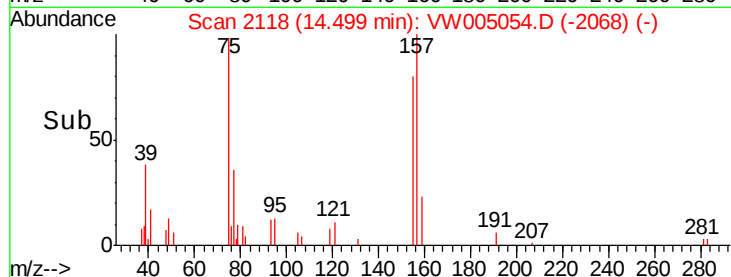
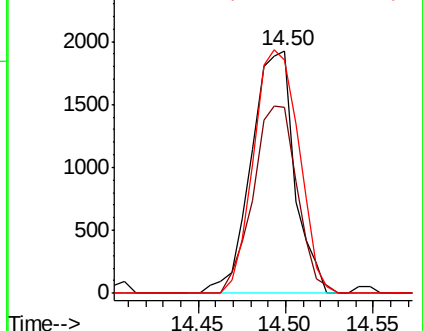
157 105.1 58.6 175.7



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 4.920 ug/l

RT: 15.15 min Scan# 2224

Delta R.T. 0.01 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

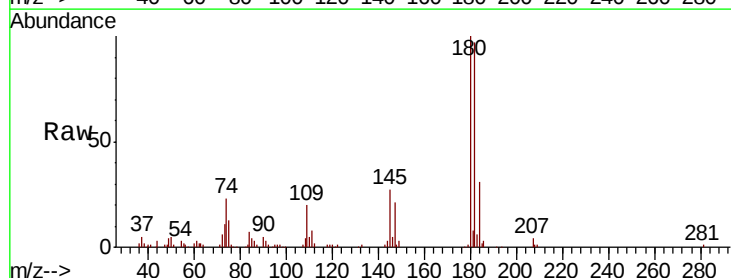
Tgt Ion: 180 Resp: 36069

Ion Ratio Lower Upper

180 100

182 94.5 47.5 142.6

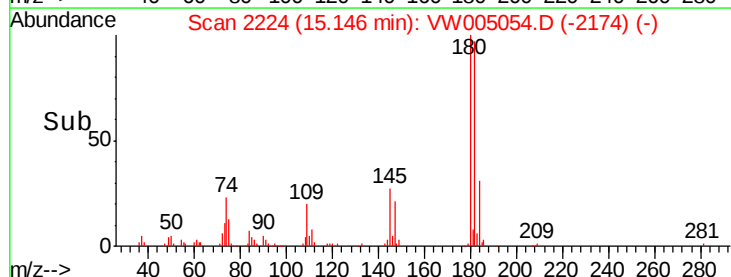
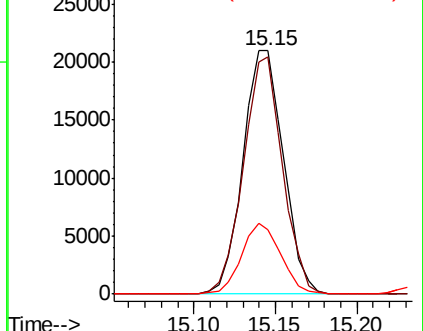
145 28.2 14.4 43.2

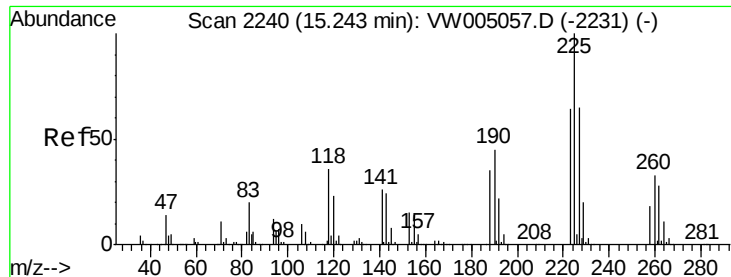


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 5.150 ug/l

RT: 15.24 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

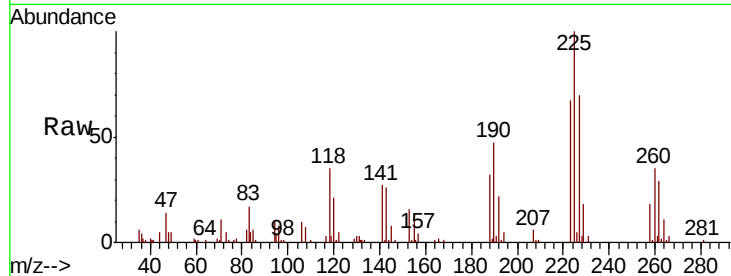
Tgt Ion:225 Resp: 23479

Ion Ratio Lower Upper

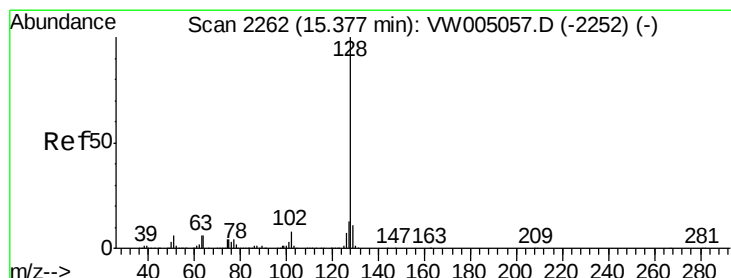
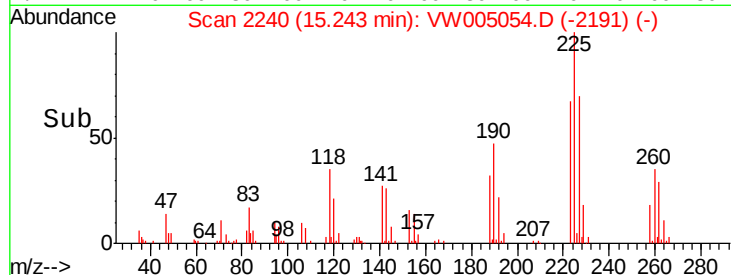
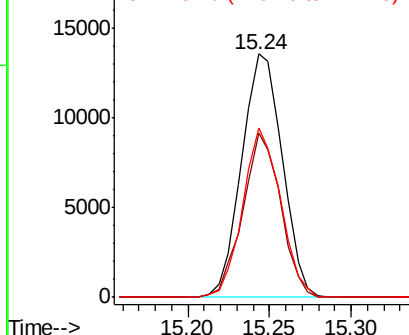
225 100

223 62.9 31.4 94.3

227 64.8 32.0 96.0



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



#95

Naphthalene

Concen: 7.540 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

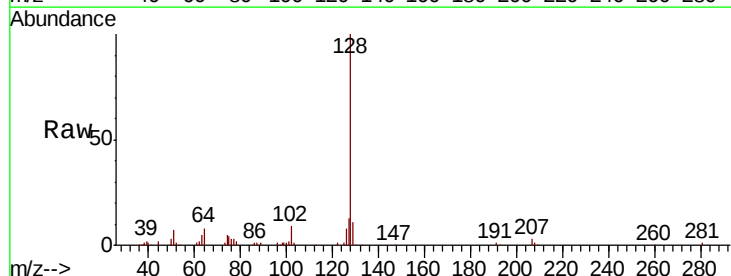
Tgt Ion:128 Resp: 49021

Ion Ratio Lower Upper

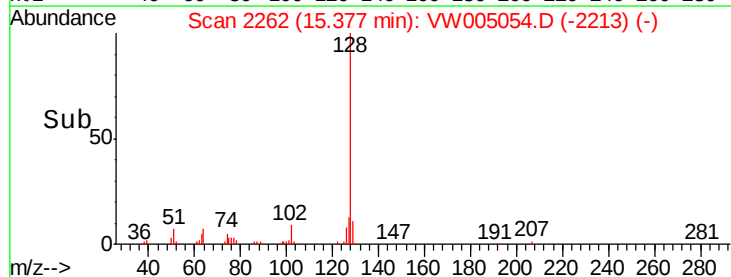
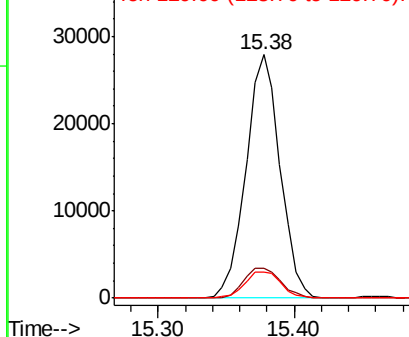
128 100

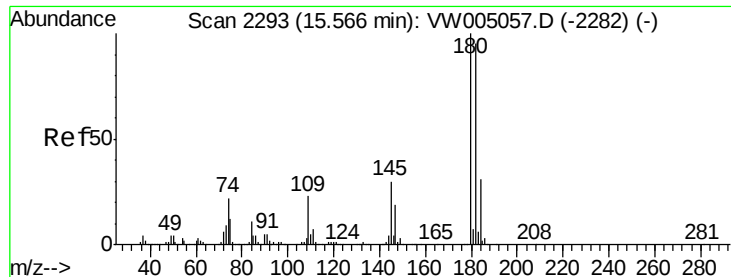
127 13.4 10.4 15.6

129 11.6 8.7 13.1



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





#96
 1,2,3-Trichlorobenzene
 Concen: 4.993 ug/l
 RT: 15.57 min Scan# 2293
 Delta R.T. -0.00 min
 Lab File: VW005054.D
 Acq: 31 Aug 2018 23:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion:	180	Resp:	31322
Ion	Ratio	Lower	Upper
180	100		
182	92.6	47.4	142.3
145	31.7	15.4	46.1

