

Data File : VW002524.D

Acq On : 14 May 2018 20:51

Operator : JC/SY

Sample : VSTDIC005

Misc : 5.00G/5ML/MSVOA_W/SOIL

ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Quant Time: May 15 02:23:05 2018

Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W051518S.M

Quant Title : SW846 8260

QLast Update : Tue May 15 02:22:37 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	230476	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	347385	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	324940	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	176150	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	11610	4.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.56%	
35) Dibromofluoromethane	7.88	113	10989	4.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.94%	
50) Toluene-d8	10.33	98	39470	4.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.34%	
62) 4-Bromofluorobenzene	12.63	95	14782	4.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	4846	5.60	ug/l	86
3) Chloromethane	2.21	50	10129	5.82	ug/l	95
4) Vinyl Chloride	2.35	62	14369	5.03	ug/l	99
5) Bromomethane	2.77	94	11517	4.98	ug/l	97
6) Chloroethane	2.92	64	9441	4.85	ug/l	92
7) Trichlorofluoromethane	3.25	101	6139	5.16	ug/l	89
8) Diethyl Ether	3.67	74	6649	4.96	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	4.05	101	10552	5.08	ug/l #	40
10) Methyl Iodide	4.26	142	16280	4.87	ug/l	100
11) Tert butyl alcohol	5.18	59	5384	29.63	ug/l #	85
12) 1,1-Dichloroethene	4.03	96	10558	5.15	ug/l	91
13) Acrolein	3.88	56	4717	30.34	ug/l	94
14) Allyl chloride	4.65	41	13752	4.55	ug/l	92
15) Acrylonitrile	5.37	53	12767	24.36	ug/l	98
16) Acetone	4.11	43	14168	29.22	ug/l #	88
17) Carbon Disulfide	4.37	76	29157	4.94	ug/l	96
18) Methyl Acetate	4.67	43	8110	5.59	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	17349	4.77	ug/l #	91
20) Methylene Chloride	4.90	84	14188	6.23	ug/l	90
21) trans-1,2-Dichloroethene	5.41	96	11071	4.99	ug/l	98
22) Diisopropyl ether	6.31	45	30826	4.63	ug/l	92
23) Vinyl Acetate	6.25	43	85902	21.47	ug/l	100
24) 1,1-Dichloroethane	6.21	63	19999	4.97	ug/l	96
25) 2-Butanone	7.17	43	17536	24.50	ug/l	97
26) 2,2-Dichloropropane	7.16	77	12388	6.07	ug/l	95
27) cis-1,2-Dichloroethene	7.16	96	12361	4.93	ug/l	97
28) Bromochloromethane	7.51	49	8762	4.79	ug/l	98
29) Tetrahydrofuran	7.53	42	10865	23.26	ug/l	96
30) Chloroform	7.67	83	21823	5.17	ug/l	98
31) Cyclohexane	7.95	56	20981	5.86	ug/l #	87
32) 1,1,1-Trichloroethane	7.87	97	15863	4.98	ug/l	99
36) 1,1-Dichloropropene	8.08	75	16385	5.23	ug/l	99
37) Ethyl Acetate	7.26	43	7142	4.63	ug/l #	96
38) Carbon Tetrachloride	8.06	117	14728	4.84	ug/l	89

Data File : VW002524.D

Acq On : 14 May 2018 20:51

Operator : JC/SY

Sample : VSTDIC005

Misc : 5.00G/5ML/MSVOA_W/SOIL

ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Quant Time: May 15 02:23:05 2018

Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W051518S.M

Quant Title : SW846 8260

QLast Update : Tue May 15 02:22:37 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	17980	4.93	ug/l	93
40) Benzene	8.32	78	45713	5.02	ug/l	97
41) Methacrylonitrile	7.49	41	4060	4.69	ug/l	97
42) 1,2-Dichloroethane	8.40	62	14486	5.07	ug/l	98
43) Isopropyl Acetate	8.43	43	14275	4.88	ug/l	96
44) Trichloroethene	9.09	130	12389	4.97	ug/l	98
45) 1,2-Dichloropropane	9.37	63	11366	4.95	ug/l	93
46) Dibromomethane	9.46	93	6544	5.09	ug/l	95
47) Bromodichloromethane	9.65	83	14635	4.83	ug/l	93
48) Methyl methacrylate	9.44	41	6238	4.40	ug/l	98
49) 1,4-Dioxane	9.46	88	2209	106.40	ug/l	96
51) 4-Methyl-2-Pentanone	10.22	43	37125	22.93	ug/l	99
52) Toluene	10.39	92	27565	4.76	ug/l	95
53) t-1,3-Dichloropropene	10.61	75	14029	4.67	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	15811	4.63	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	9237	5.09	ug/l	91
56) Ethyl methacrylate	10.65	69	9384	4.18	ug/l	95
57) 1,3-Dichloropropane	10.94	76	14745	4.79	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.93	63	23455	21.49	ug/l	98
59) 2-Hexanone	10.98	43	24362	21.96	ug/l	97
60) Dibromochloromethane	11.13	129	10258	4.79	ug/l	99
61) 1,2-Dibromoethane	11.24	107	8843	5.00	ug/l	99
64) Tetrachloroethene	10.87	164	12152	4.93	ug/l	90
65) Chlorobenzene	11.66	112	33774	5.11	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	11147	4.72	ug/l	98
67) Ethyl Benzene	11.74	91	52526	4.62	ug/l	97
68) m/p-Xylenes	11.85	106	40675	9.27	ug/l	96
69) o-Xylene	12.18	106	18894	4.53	ug/l	99
70) Styrene	12.19	104	30541	4.41	ug/l	99
71) Bromoform	12.36	173	6330	4.64	ug/l #	99
73) Isopropylbenzene	12.48	105	50304	4.41	ug/l	97
74) N-amyl acetate	12.28	43	11790	4.10	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	12.73	83	11052	4.96	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	13568	8.33	ug/l #	100
77) Bromobenzene	12.76	156	13976	4.86	ug/l	94
78) n-propylbenzene	12.82	91	61528	4.55	ug/l	100
79) 2-Chlorotoluene	12.90	91	35171	4.53	ug/l	96
80) 1,3,5-Trimethylbenzene	12.96	105	43219	4.50	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	2757	4.60	ug/l	97
82) 4-Chlorotoluene	13.00	91	38819	4.69	ug/l	99
83) tert-Butylbenzene	13.22	119	36999	4.49	ug/l	96
84) 1,2,4-Trimethylbenzene	13.26	105	43669	4.39	ug/l	96
85) sec-Butylbenzene	13.40	105	54965	4.65	ug/l	99
86) p-Isopropyltoluene	13.51	119	47383	4.48	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	28523	5.01	ug/l	97
88) 1,4-Dichlorobenzene	13.59	146	28625	5.03	ug/l	93
89) n-Butylbenzene	13.84	91	46566	4.70	ug/l	97
90) Hexachloroethane	14.10	117	9117	4.82	ug/l	96
91) 1,2-Dichlorobenzene	13.88	146	25808	4.98	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2100	5.45	ug/l	82

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW051518\
Quantitation Report (Not Reviewed)

Data File : VW002524.D
Acq On : 14 May 2018 20:51
Operator : JC/SY
Sample : VSTDICC005
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

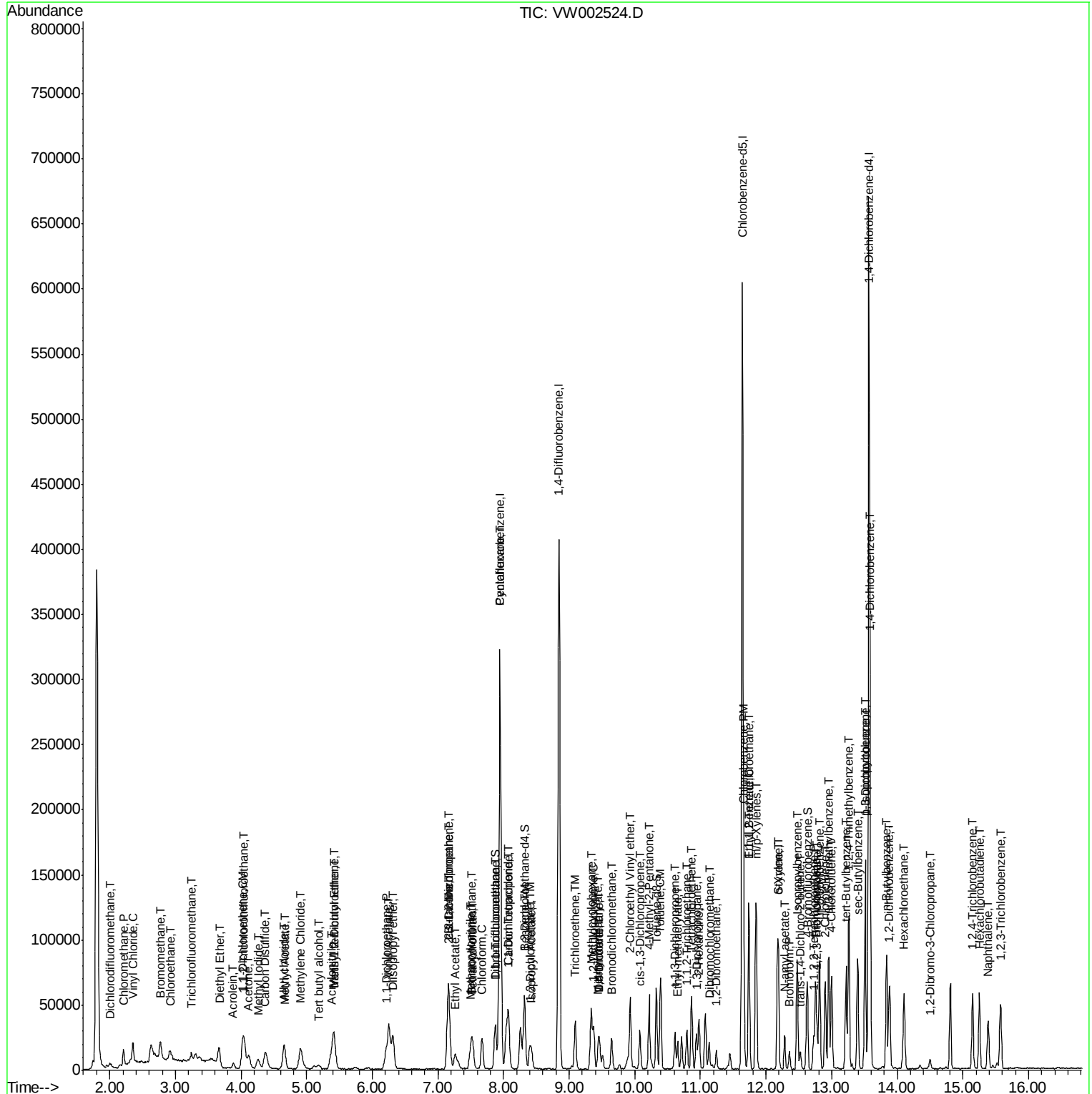
Quant Time: May 15 02:23:05 2018
Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W051518S.M
Quant Title : SW846 8260
QLast Update : Tue May 15 02:22:37 2018
Response via : Initial Calibration

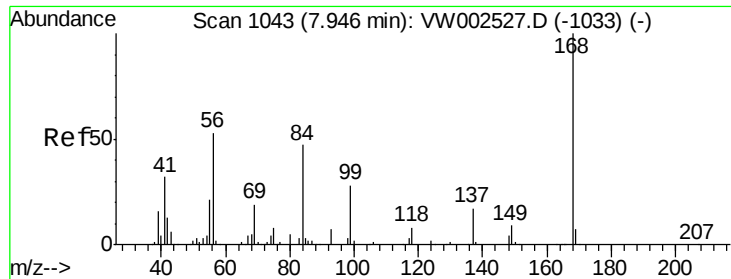
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	18819	5.06	ug/l	99
94) Hexachlorobutadiene	15.26	225	10906	5.27	ug/l	98
95) Naphthalene	15.38	128	30573	4.46	ug/l	99
96) 1,2,3-Trichlorobenzene	15.58	180	16776	5.03	ug/l	98

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

ALS Vial : 19 Sample Multiplier: 1

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VW002524.D

Acq: 14 May 2018 20:51

Instrument :

MSVOA_W

ClientSampleId :

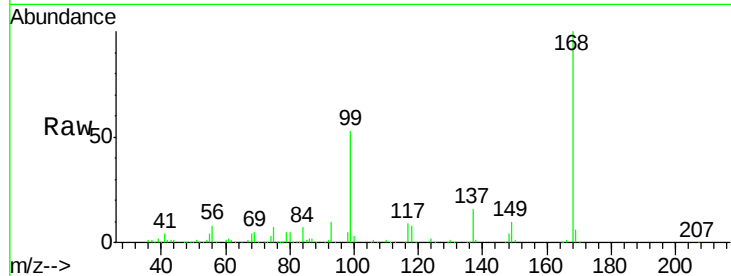
VSTDIC005

Tgt Ion: 168 Resp: 230476

Ion Ratio Lower Upper

168 100

99 52.9 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

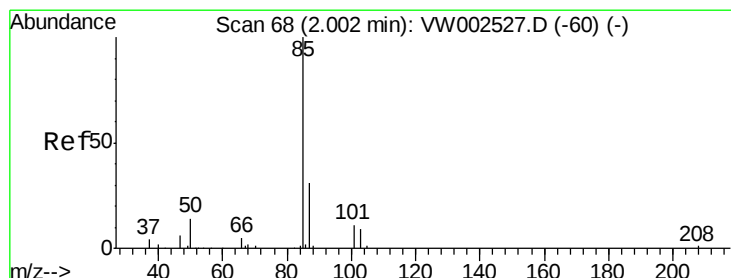
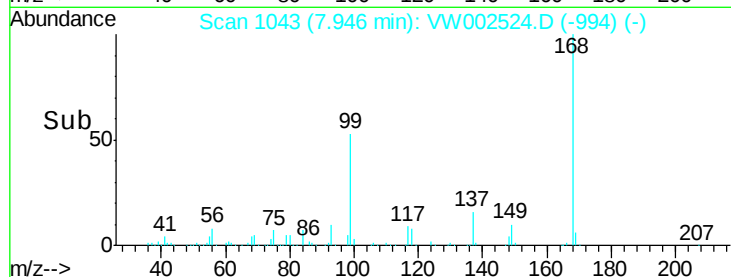
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 5.60 ug/l

RT: 2.00 min Scan# 68

Delta R.T. 0.00 min

Lab File: VW002524.D

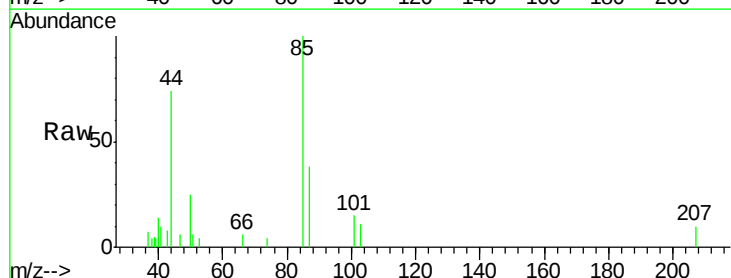
Acq: 14 May 2018 20:51

Tgt Ion: 85 Resp: 4846

Ion Ratio Lower Upper

85 100

87 38.2 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

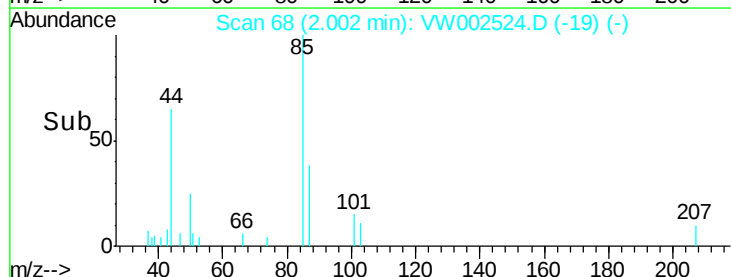
1500

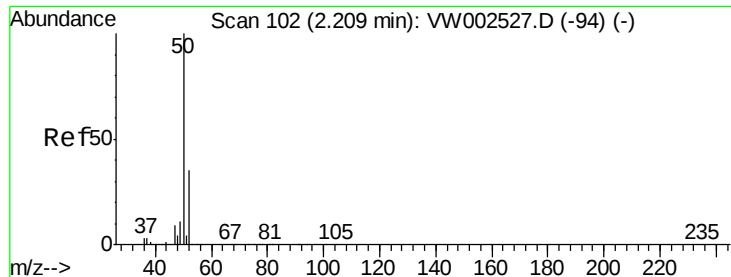
1000

500

0

Time-->





#3

Chloromethane

Concen: 5.82 ug/l

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW002524.D

Acq: 14 May 2018 20:51

Instrument :

MSVOA_W

ClientSampleId :

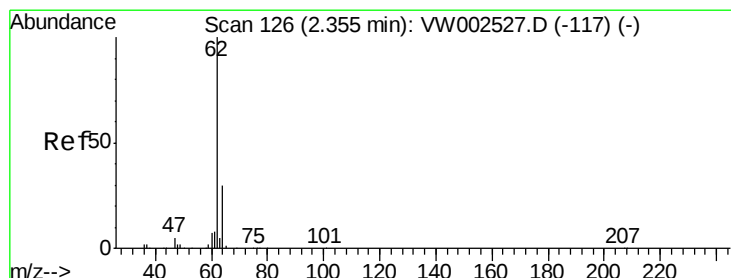
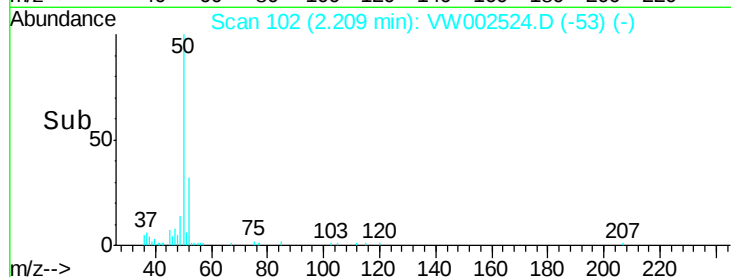
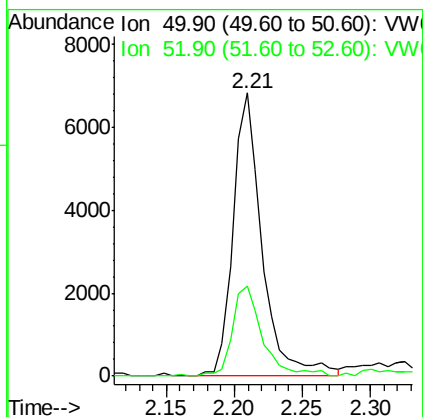
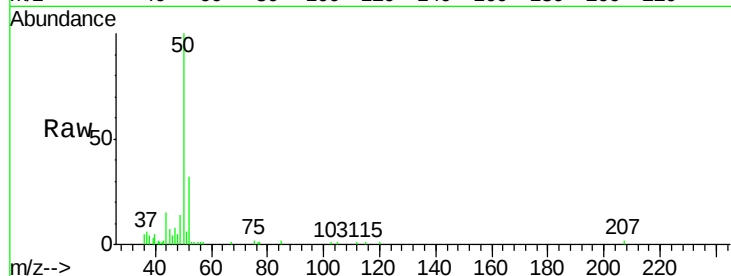
VSTDIC005

Tgt Ion: 50 Resp: 10129

Ion Ratio Lower Upper

50 100

52 31.9 27.8 41.8



#4

Vinyl Chloride

Concen: 5.03 ug/l

RT: 2.35 min Scan# 125

Delta R.T. -0.01 min

Lab File: VW002524.D

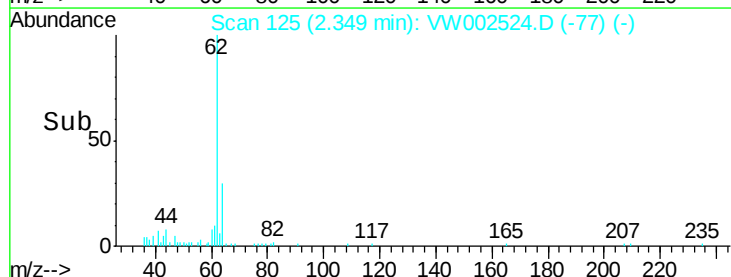
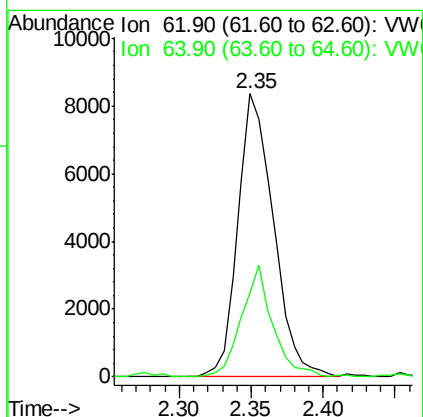
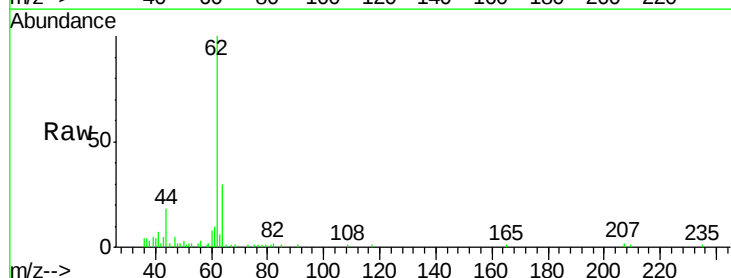
Acq: 14 May 2018 20:51

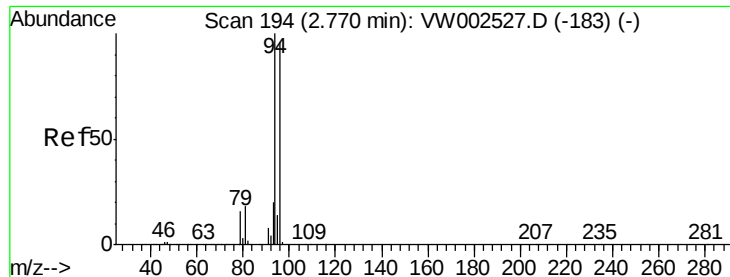
Tgt Ion: 62 Resp: 14369

Ion Ratio Lower Upper

62 100

64 29.5 24.0 36.0





#5

Bromomethane

Concen: 4.98 ug/l

RT: 2.77 min Scan# 194

Delta R.T. 0.00 min

Lab File: VW002524.D

Acq: 14 May 2018 20:51

Instrument :

MSVOA_W

ClientSampleId :

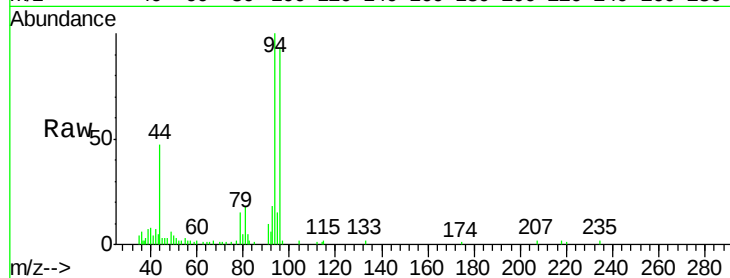
VSTDIC005

Tgt Ion: 94 Resp: 11517

Ion Ratio Lower Upper

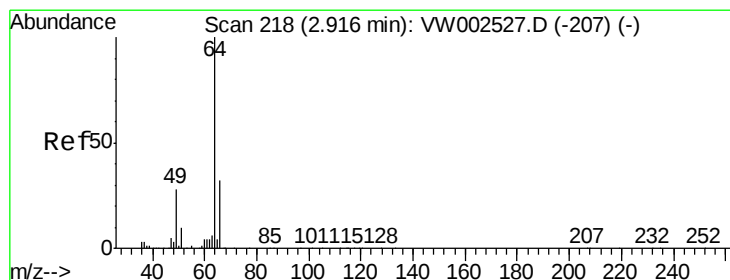
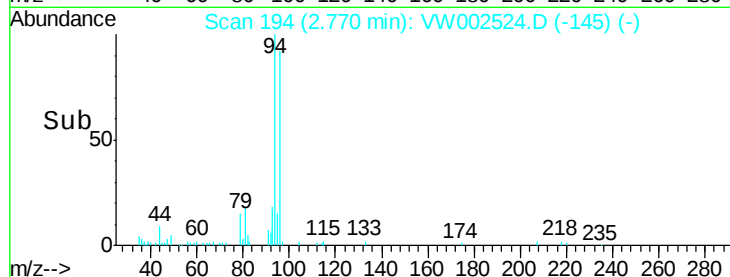
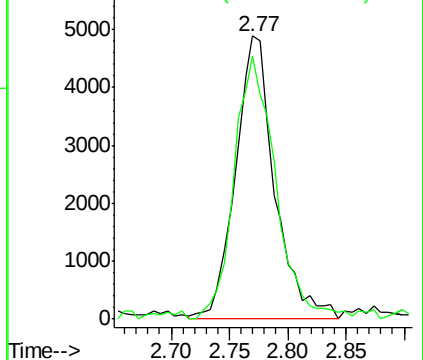
94 100

96 92.8 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 4.85 ug/l

RT: 2.92 min Scan# 218

Delta R.T. 0.00 min

Lab File: VW002524.D

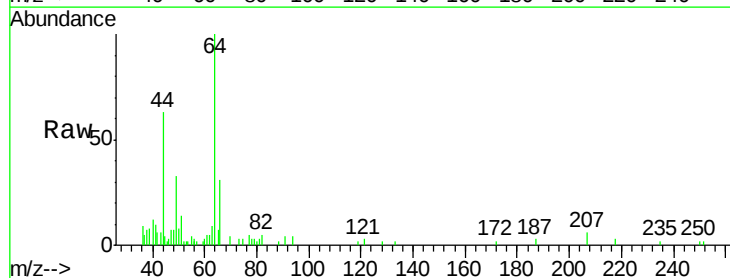
Acq: 14 May 2018 20:51

Tgt Ion: 64 Resp: 9441

Ion Ratio Lower Upper

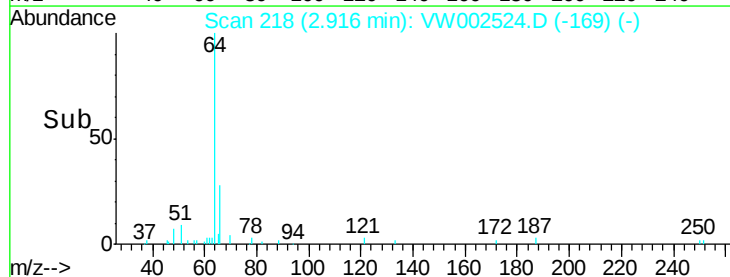
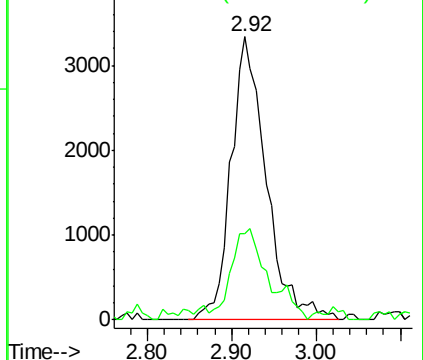
64 100

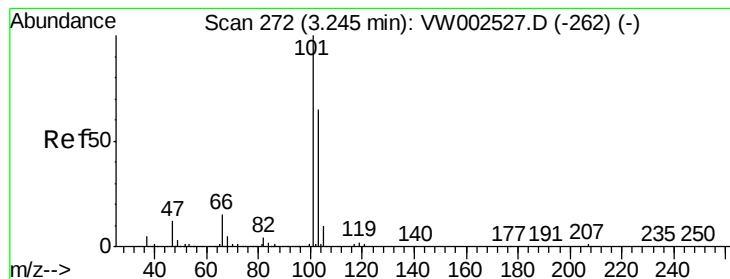
66 27.7 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



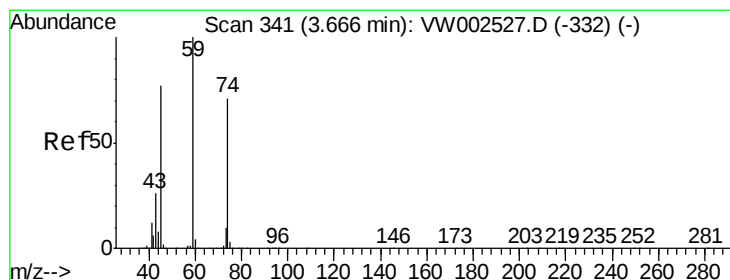
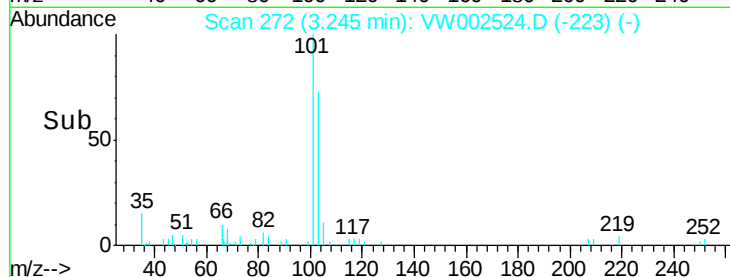
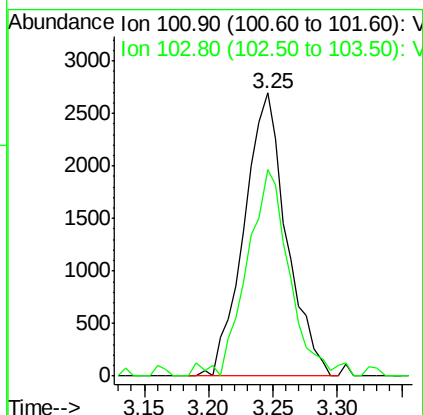
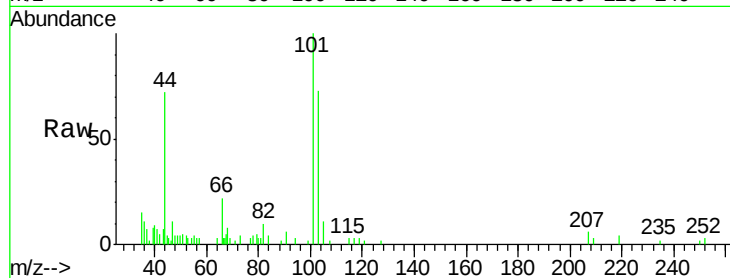


#7

Trichlorofluoromethane
 Concen: 5.16 ug/l
 RT: 3.25 min Scan# 272
 Delta R.T. 0.00 min
 Lab File: VW002524.D
 Acq: 14 May 2018 20:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

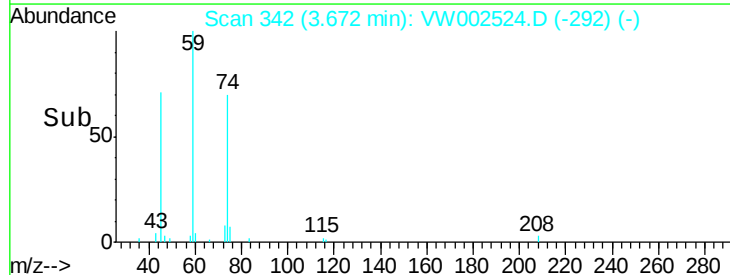
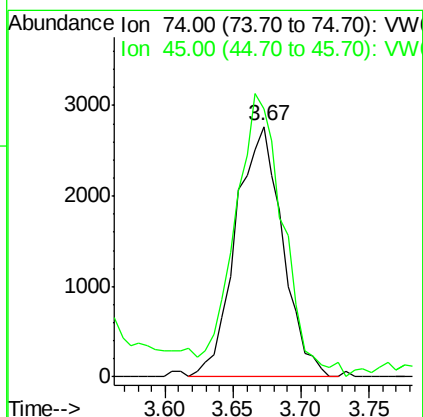
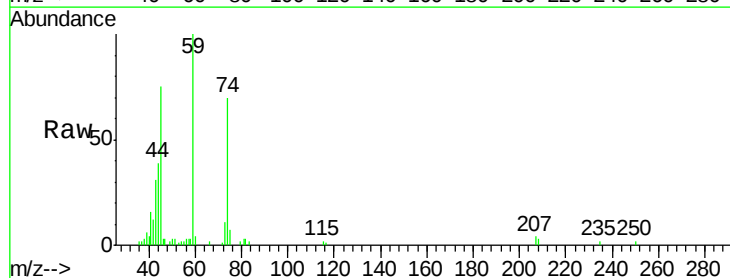
Tgt Ion:101 Resp: 6139
 Ion Ratio Lower Upper
 101 100
 103 73.1 51.8 77.8

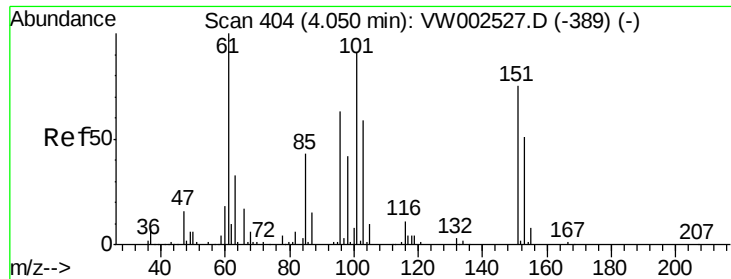


#8

Diethyl Ether
 Concen: 4.96 ug/l
 RT: 3.67 min Scan# 342
 Delta R.T. 0.01 min
 Lab File: VW002524.D
 Acq: 14 May 2018 20:51

Tgt Ion: 74 Resp: 6649
 Ion Ratio Lower Upper
 74 100
 45 116.9 52.3 156.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.08 ug/l

RT: 4.05 min Scan# 404

Delta R.T. 0.00 min

Lab File: VW002524.D

Acq: 14 May 2018 20:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

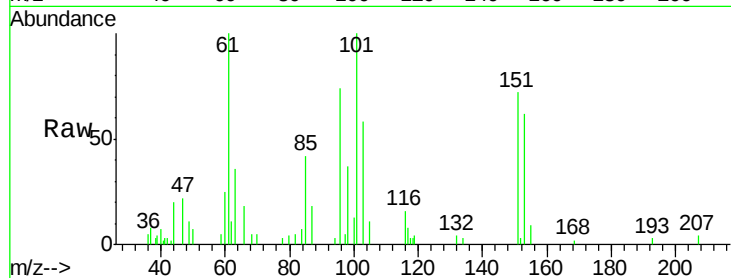
Tgt Ion:101 Resp: 10552

Ion Ratio Lower Upper

101 100

85 46.6 36.5 54.7

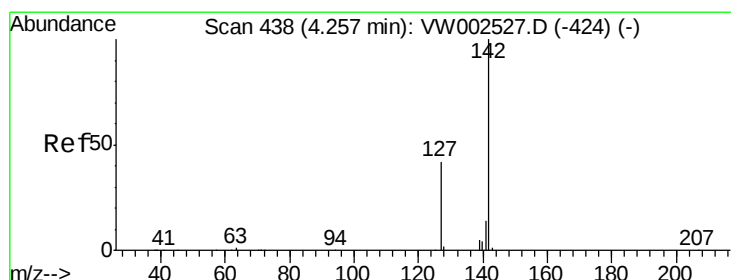
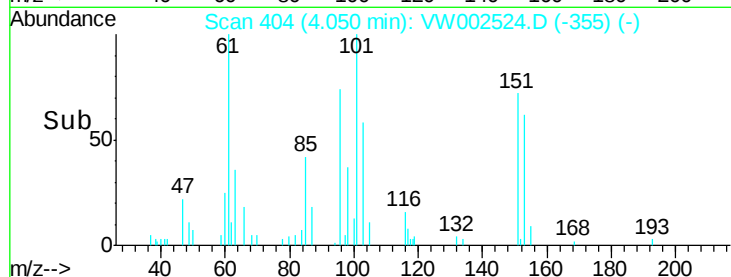
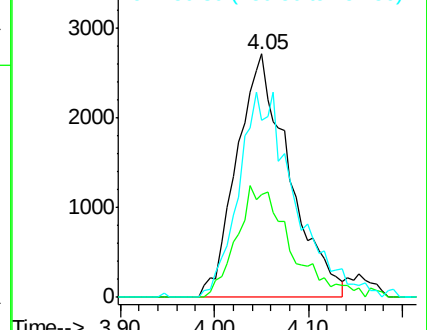
151 0.0 66.7 100.1#



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: 4.87 ug/l

RT: 4.26 min Scan# 438

Delta R.T. 0.00 min

Lab File: VW002524.D

Acq: 14 May 2018 20:51

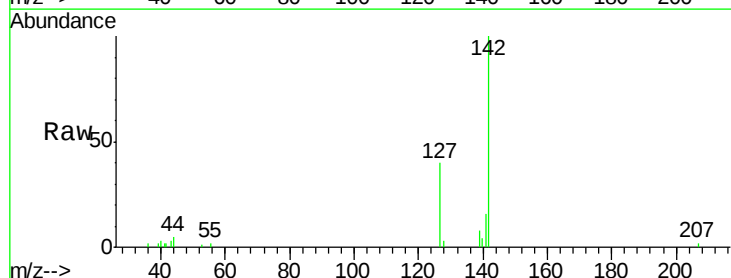
Tgt Ion:142 Resp: 16280

Ion Ratio Lower Upper

142 100

127 43.3 34.6 52.0

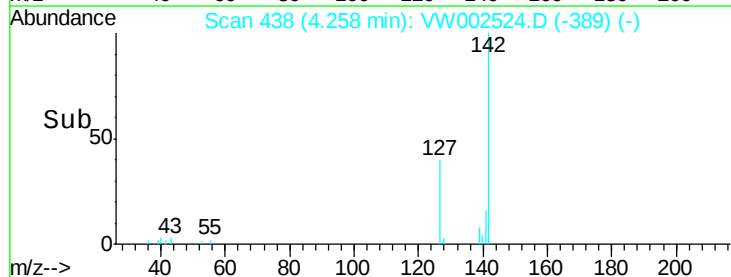
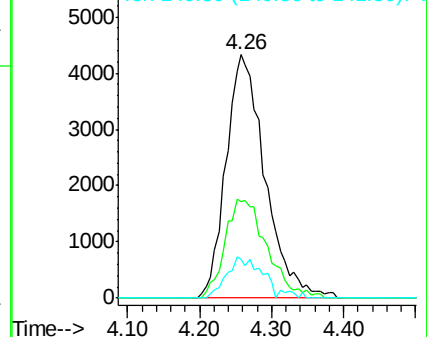
141 14.8 11.8 17.8

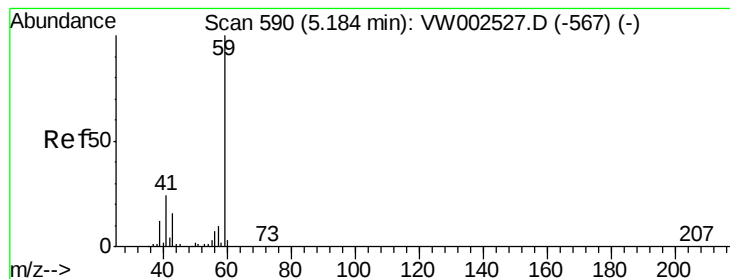


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 29.63 ug/l

RT: 5.18 min Scan# 590

Delta R.T. 0.00 min

Lab File: VW002524.D

Acq: 14 May 2018 20:51

Instrument :

MSVOA_W

ClientSampleId :

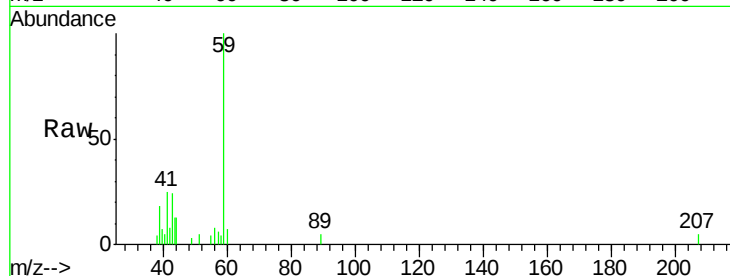
VSTDIC005

Tgt Ion: 59 Resp: 5384

Ion Ratio Lower Upper

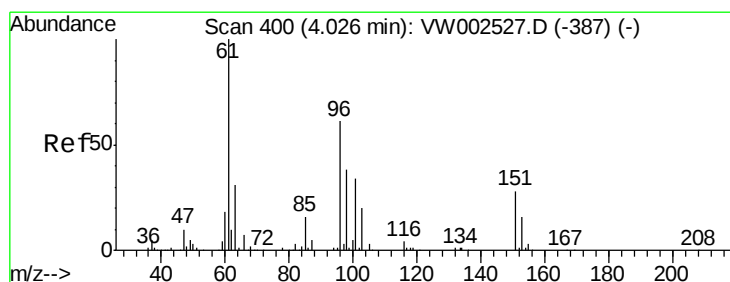
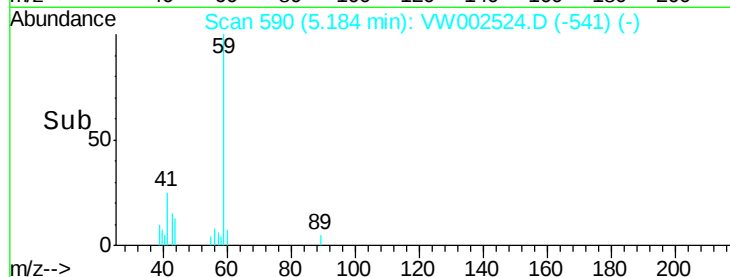
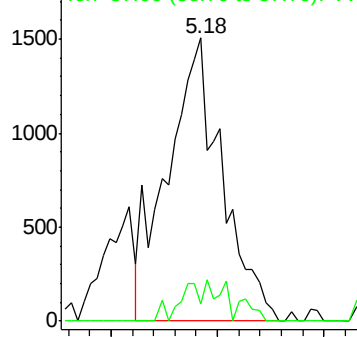
59 100

57 4.6 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#12

1,1-Dichloroethene

Concen: 5.15 ug/l

RT: 4.03 min Scan# 400

Delta R.T. 0.00 min

Lab File: VW002524.D

Acq: 14 May 2018 20:51

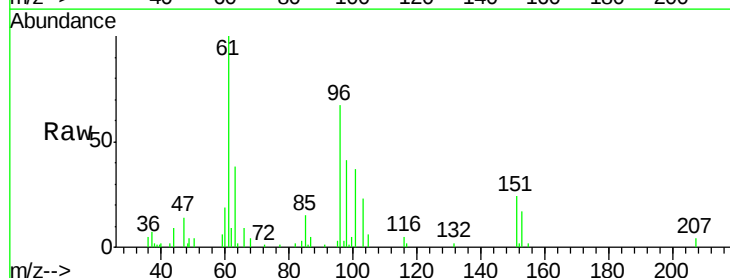
Tgt Ion: 96 Resp: 10558

Ion Ratio Lower Upper

96 100

61 149.3 132.2 198.2

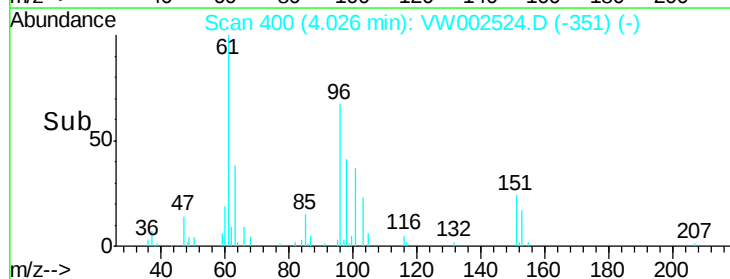
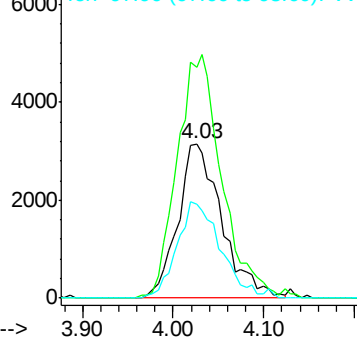
98 60.6 50.6 76.0

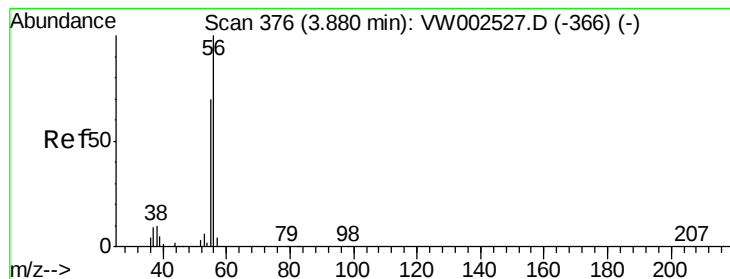


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW





#13

Acrolein

Concen: 30.34 ug/l

RT: 3.88 min Scan# 376

Delta R.T. 0.00 min

Lab File: VW002524.D

Acq: 14 May 2018 20:51

Instrument :

MSVOA_W

ClientSampleId :

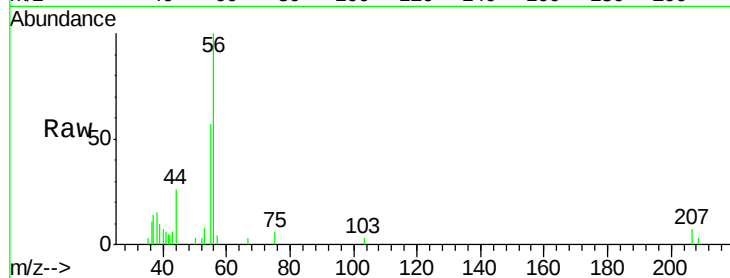
VSTDIC005

Tgt Ion: 56 Resp: 4717

Ion Ratio Lower Upper

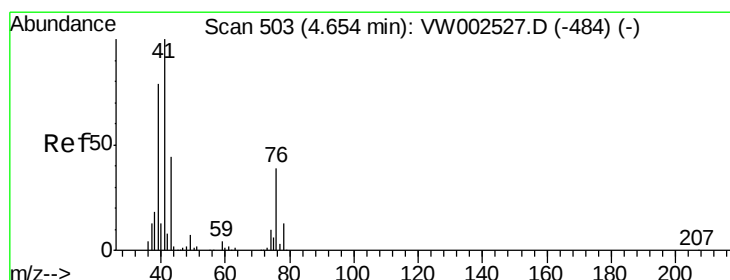
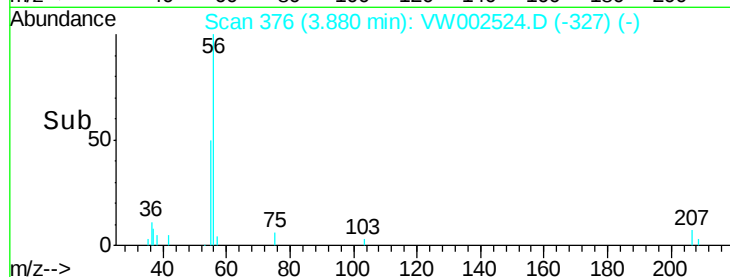
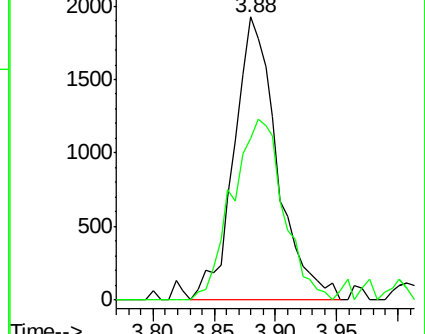
56 100

55 76.0 57.0 85.4



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 4.55 ug/l

RT: 4.65 min Scan# 503

Delta R.T. 0.00 min

Lab File: VW002524.D

Acq: 14 May 2018 20:51

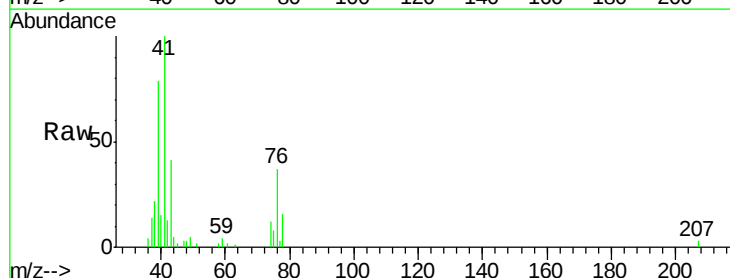
Tgt Ion: 41 Resp: 13752

Ion Ratio Lower Upper

41 100

39 85.2 61.4 92.2

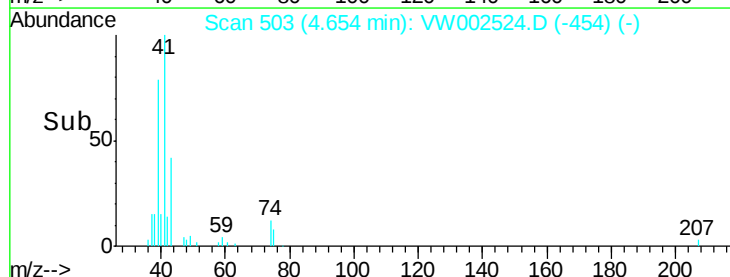
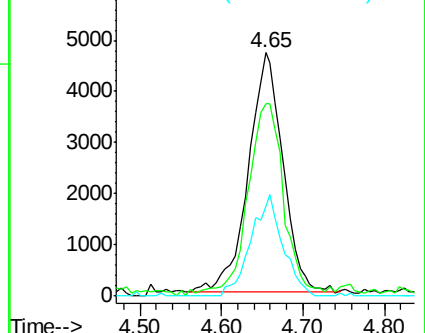
76 39.4 29.6 44.4

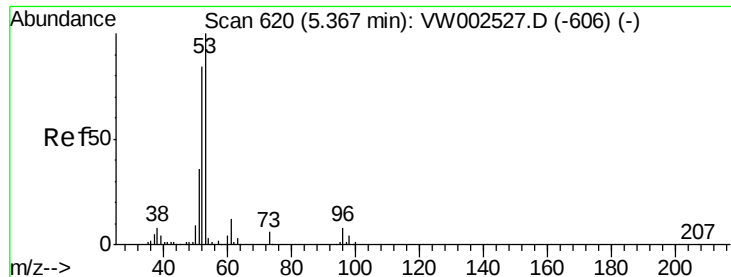


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 24.36 ug/l

RT: 5.37 min Scan# 621

Delta R.T. 0.01 min

Lab File: VW002524.D

Acq: 14 May 2018 20:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

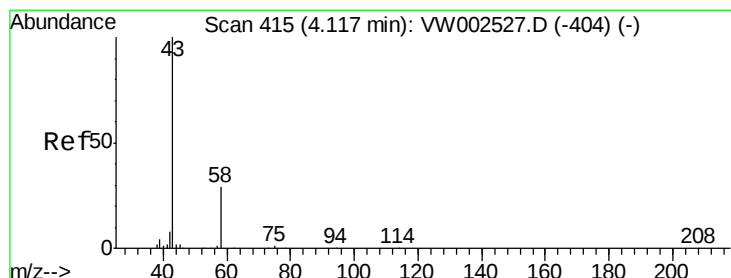
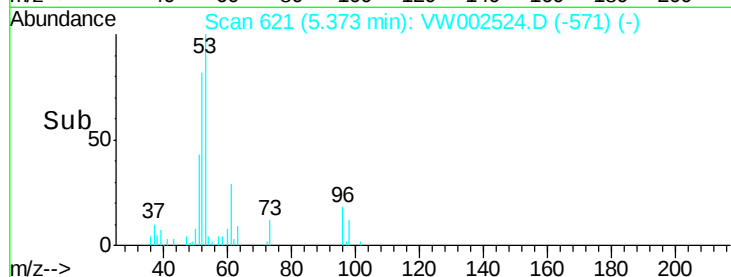
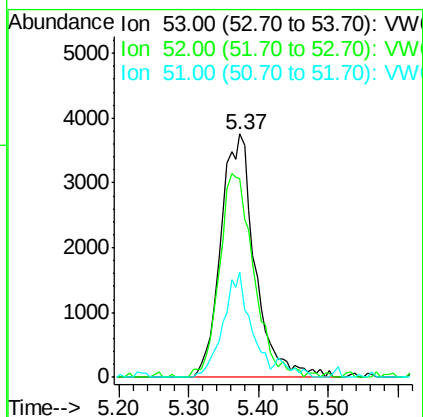
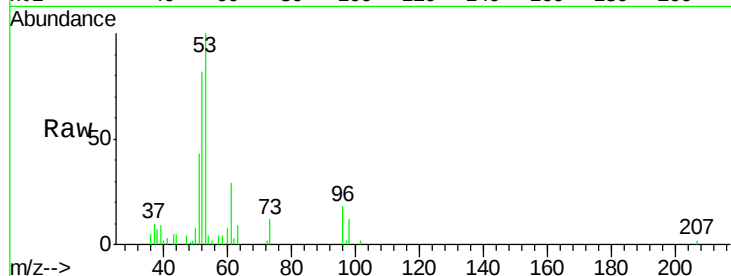
Tgt Ion: 53 Resp: 12767

Ion Ratio Lower Upper

53 100

52 83.7 66.6 100.0

51 34.3 30.6 46.0



#16

Acetone

Concen: 29.22 ug/l

RT: 4.11 min Scan# 414

Delta R.T. -0.01 min

Lab File: VW002524.D

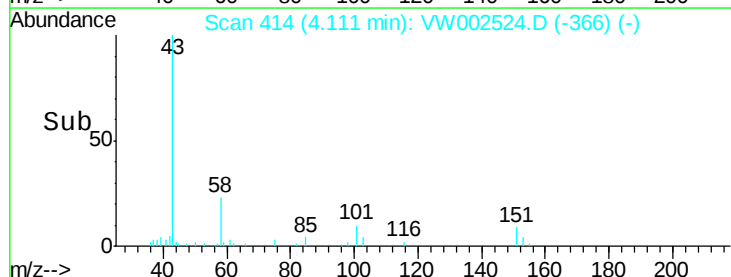
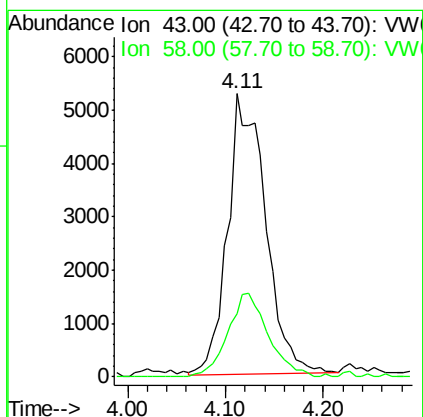
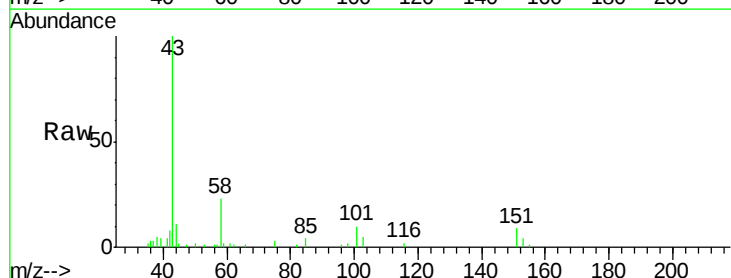
Acq: 14 May 2018 20:51

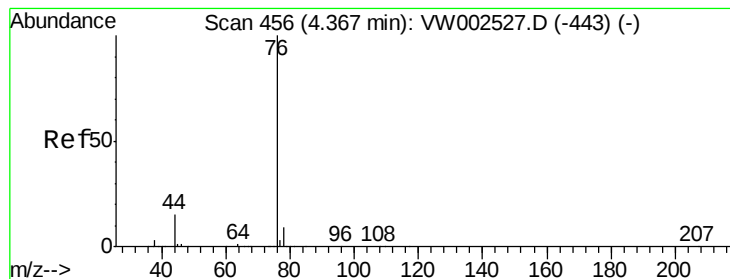
Tgt Ion: 43 Resp: 14168

Ion Ratio Lower Upper

43 100

58 22.9 23.4 35.0#





#17

Carbon Disulfide

Concen: 4.94 ug/l

RT: 4.37 min Scan# 456

Delta R.T. 0.00 min

Lab File: VW002524.D

Acq: 14 May 2018 20:51

Instrument :

MSVOA_W

ClientSampleId :

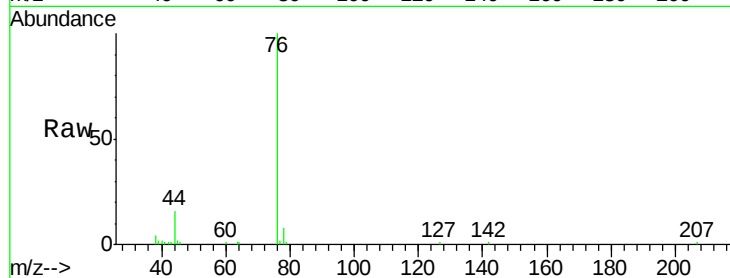
VSTDIC005

Tgt Ion: 76 Resp: 29157

Ion Ratio Lower Upper

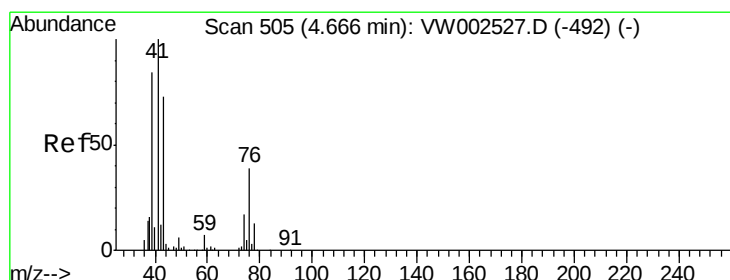
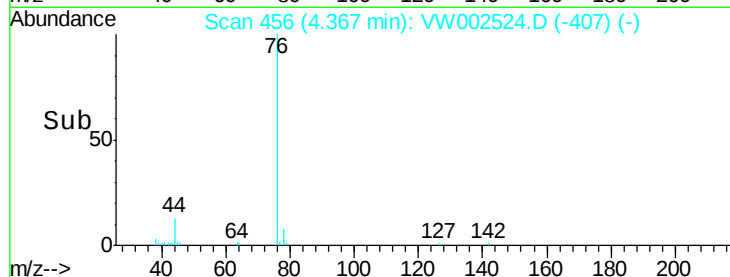
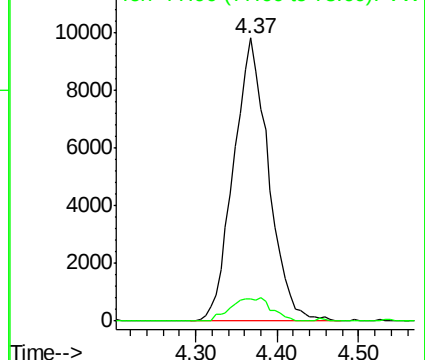
76 100

78 7.8 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 5.59 ug/l

RT: 4.67 min Scan# 506

Delta R.T. 0.01 min

Lab File: VW002524.D

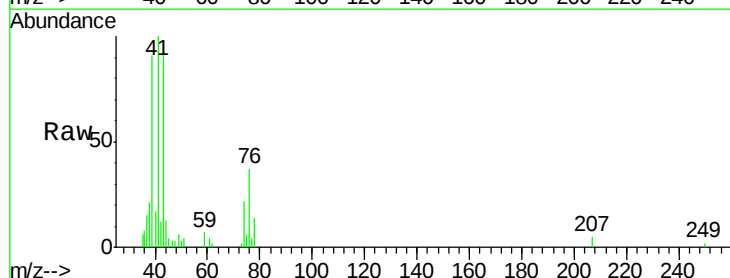
Acq: 14 May 2018 20:51

Tgt Ion: 43 Resp: 8110

Ion Ratio Lower Upper

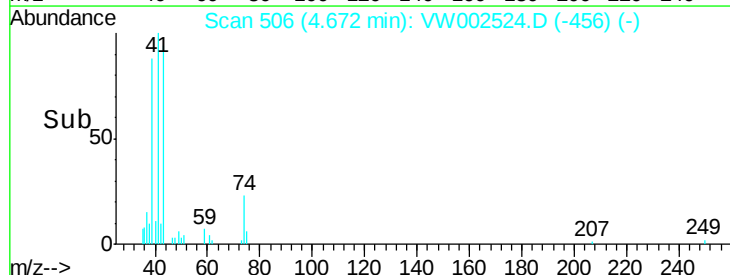
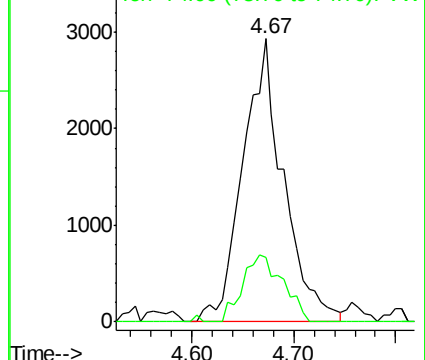
43 100

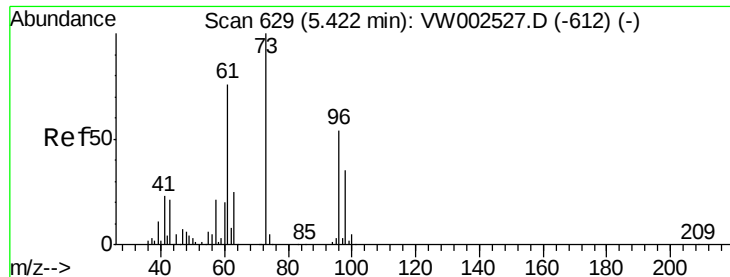
74 23.3 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

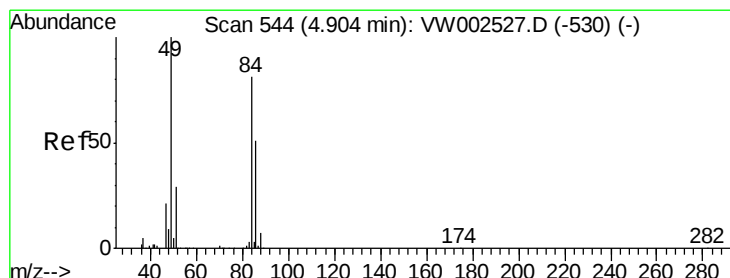
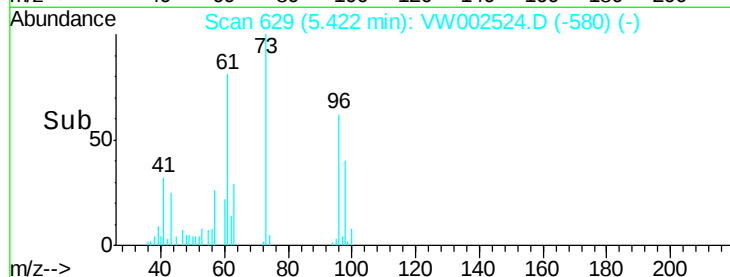
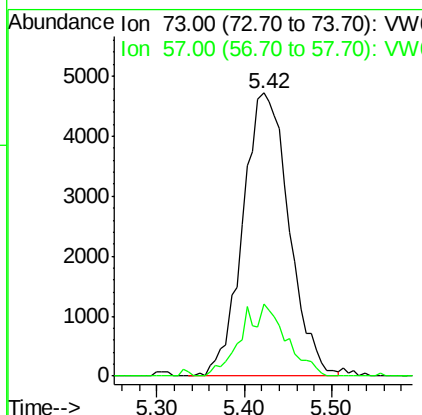
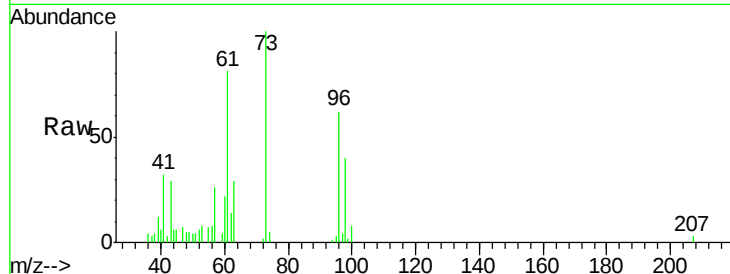




#19
Methyl tert-butyl Ether
Concen: 4.77 ug/l
RT: 5.42 min Scan# 629
Delta R.T. 0.00 min
Lab File: VW002524.D
Acq: 14 May 2018 20:51

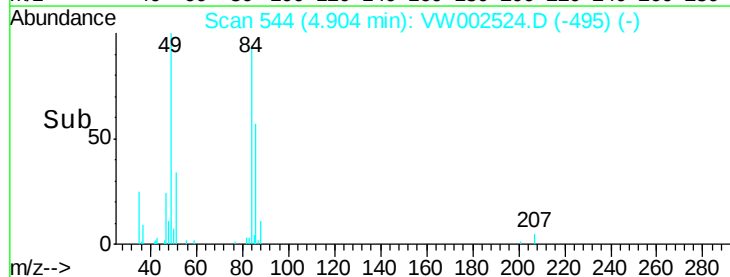
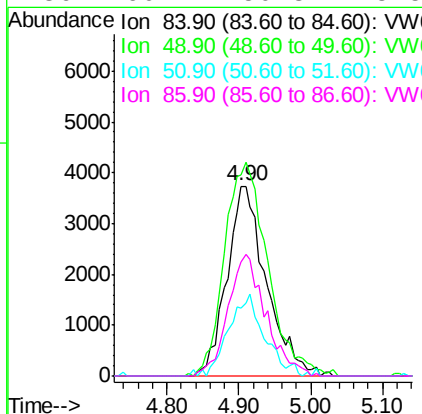
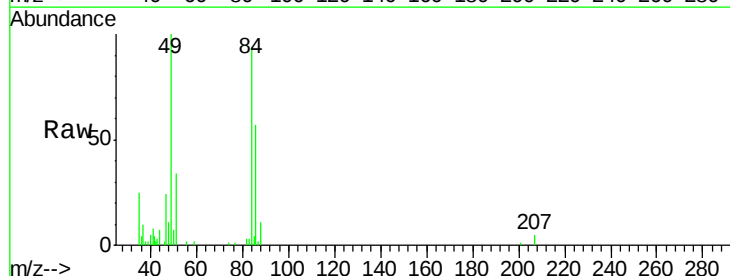
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

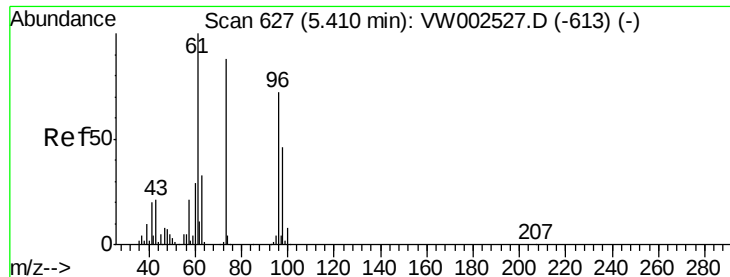
Tgt Ion: 73 Resp: 17349
Ion Ratio Lower Upper
73 100
57 25.7 17.0 25.6#



#20
Methylene Chloride
Concen: 6.23 ug/l
RT: 4.90 min Scan# 544
Delta R.T. 0.00 min
Lab File: VW002524.D
Acq: 14 May 2018 20:51

Tgt Ion: 84 Resp: 14188
Ion Ratio Lower Upper
84 100
49 106.3 99.4 149.0
51 35.8 29.0 43.6
86 60.2 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 4.99 ug/l

RT: 5.41 min Scan# 627

Delta R.T. 0.00 min

Lab File: VW002524.D

Acq: 14 May 2018 20:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

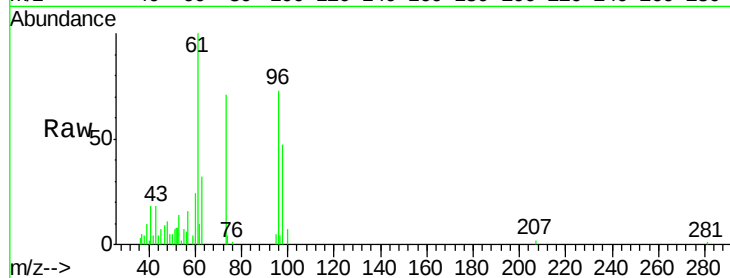
Tgt Ion: 96 Resp: 11071

Ion Ratio Lower Upper

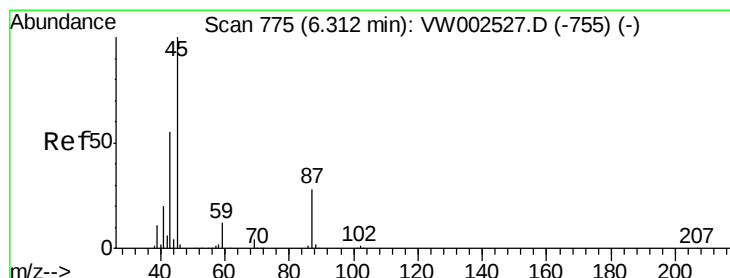
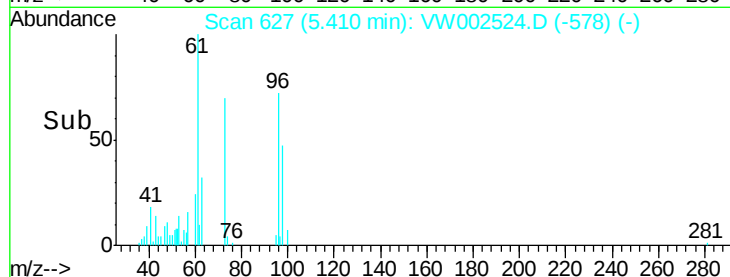
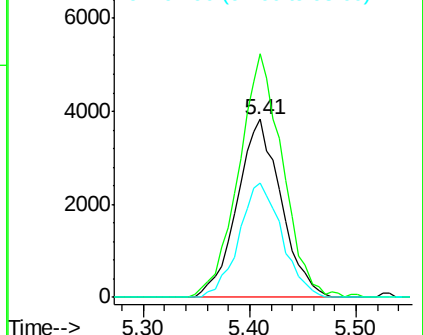
96 100

61 136.8 111.6 167.4

98 64.4 51.7 77.5



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



#22

Diisopropyl ether

Concen: 4.63 ug/l

RT: 6.31 min Scan# 774

Delta R.T. -0.01 min

Lab File: VW002524.D

Acq: 14 May 2018 20:51

Tgt Ion: 45 Resp: 30826

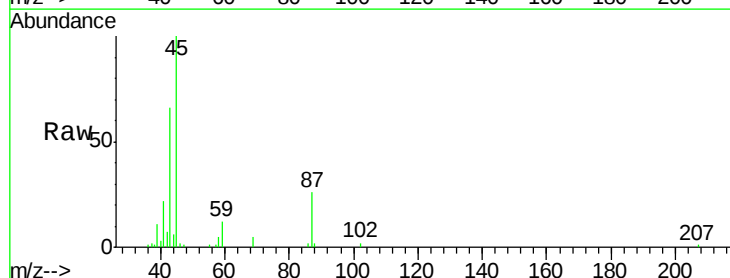
Ion Ratio Lower Upper

45 100

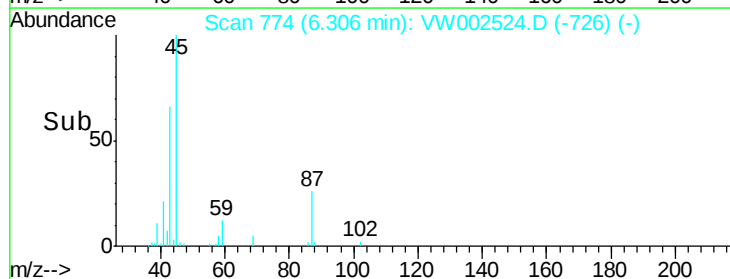
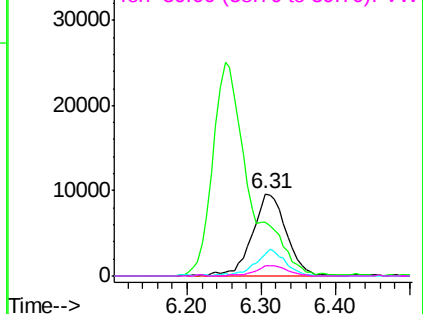
43 64.0 44.4 66.6

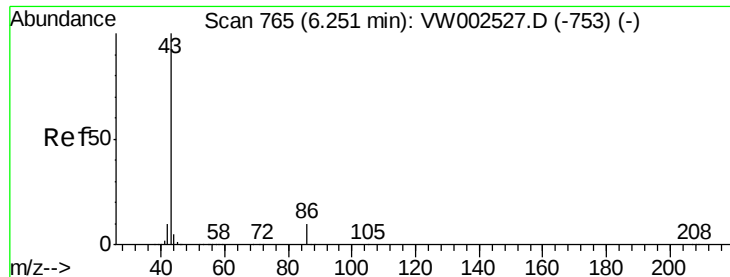
87 26.0 23.0 34.4

59 12.4 9.4 14.2



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: 21.47 ug/l

RT: 6.25 min Scan# 765

Delta R.T. 0.00 min

Lab File: VW002524.D

Acq: 14 May 2018 20:51

Instrument :

MSVOA_W

ClientSampleId :

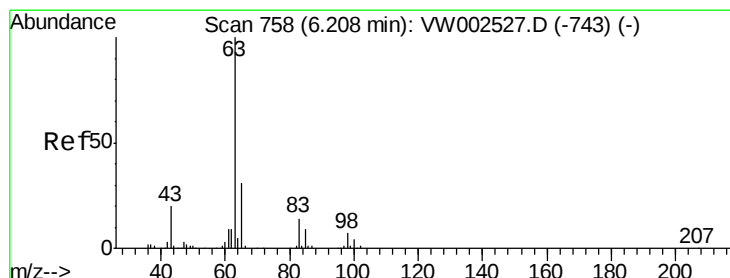
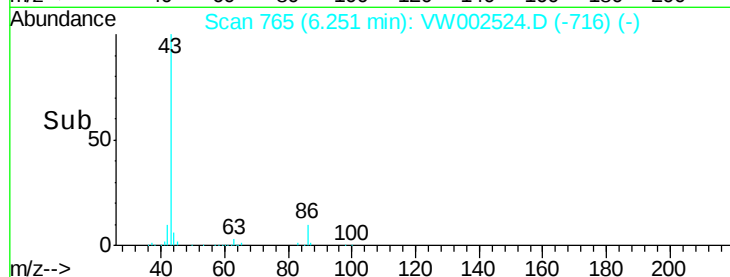
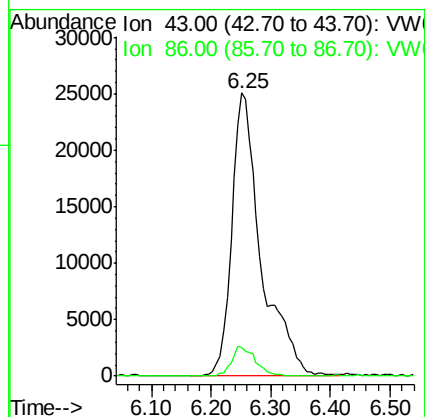
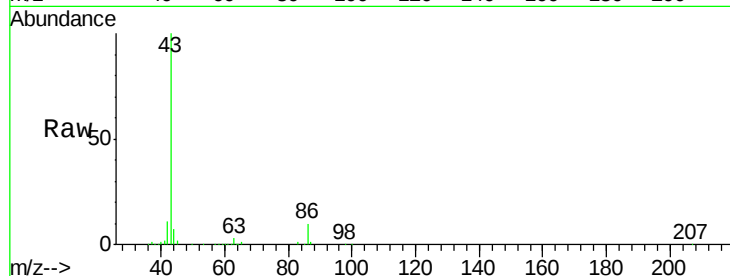
VSTDIC005

Tgt Ion: 43 Resp: 85902

Ion Ratio Lower Upper

43 100

86 10.0 7.9 11.9



#24

1,1-Dichloroethane

Concen: 4.97 ug/l

RT: 6.21 min Scan# 758

Delta R.T. 0.00 min

Lab File: VW002524.D

Acq: 14 May 2018 20:51

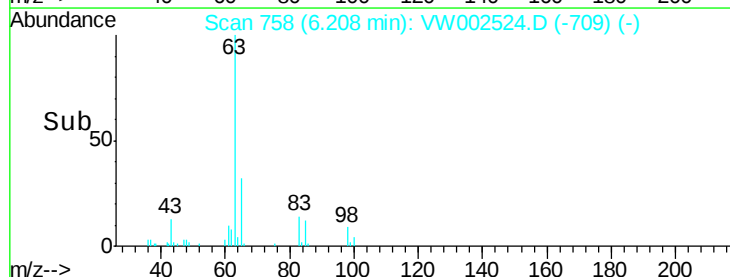
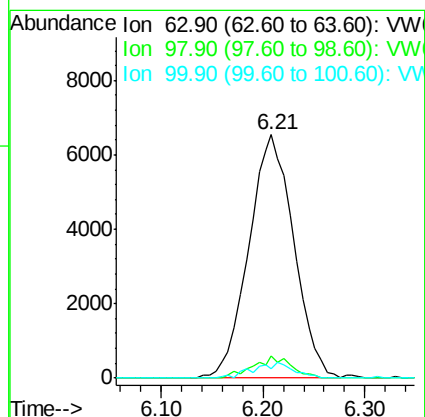
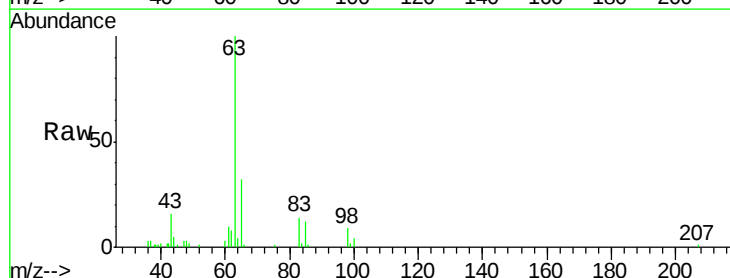
Tgt Ion: 63 Resp: 19999

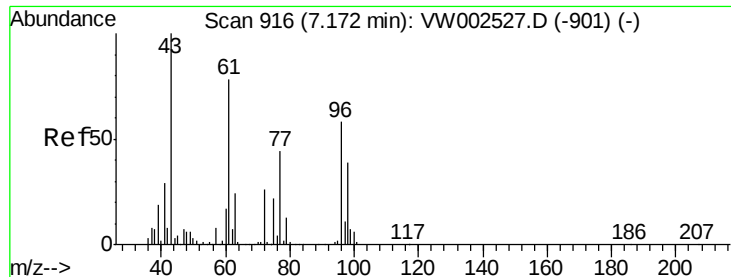
Ion Ratio Lower Upper

63 100

98 9.1 3.6 10.9

100 3.8 2.1 6.5





#25

2-Butanone

Concen: 24.50 ug/l

RT: 7.17 min Scan# 916

Delta R.T. 0.00 min

Lab File: VW002524.D

Acq: 14 May 2018 20:51

Instrument :

MSVOA_W

ClientSampled :

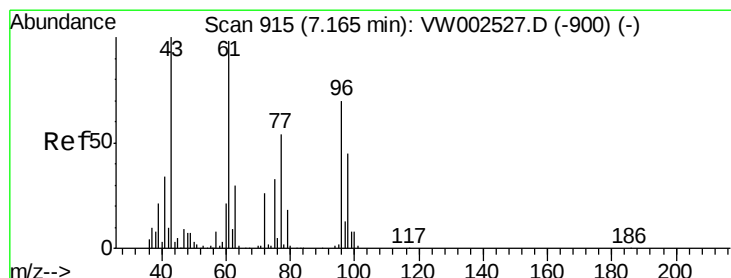
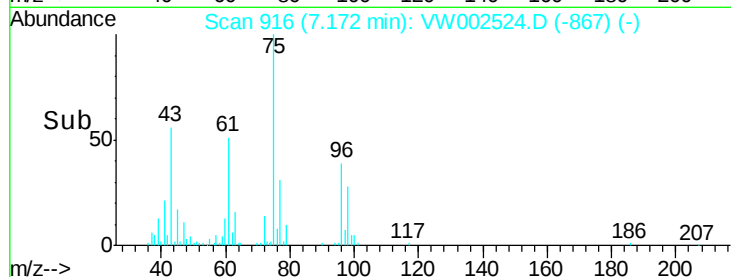
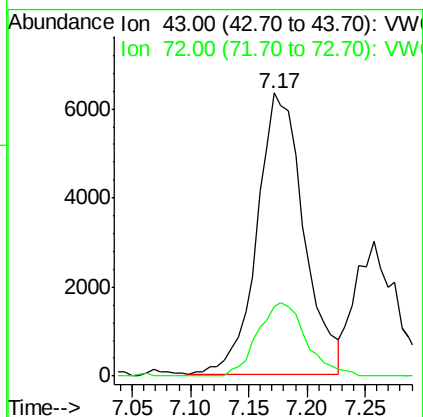
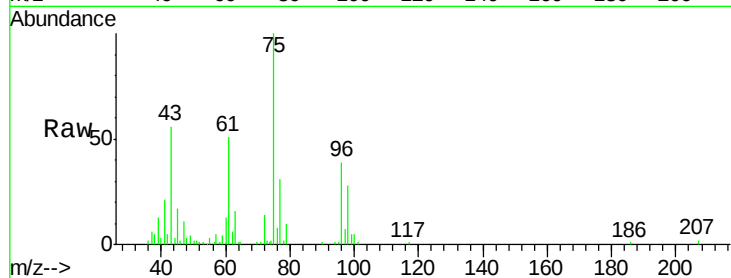
VSTDIC005

Tgt Ion: 43 Resp: 17536

Ion Ratio Lower Upper

43 100

72 24.6 20.9 31.3



#26

2,2-Dichloropropane

Concen: 6.07 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW002524.D

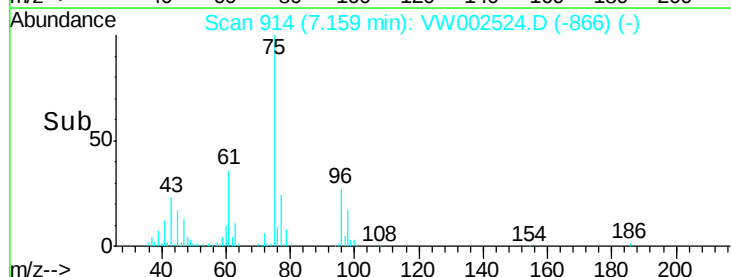
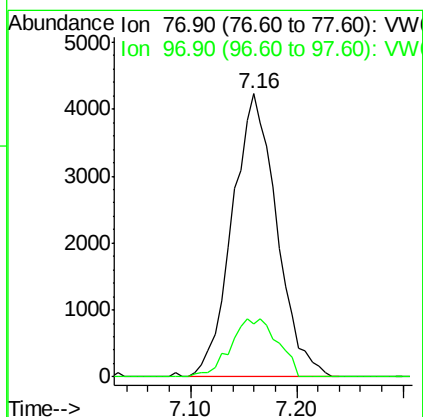
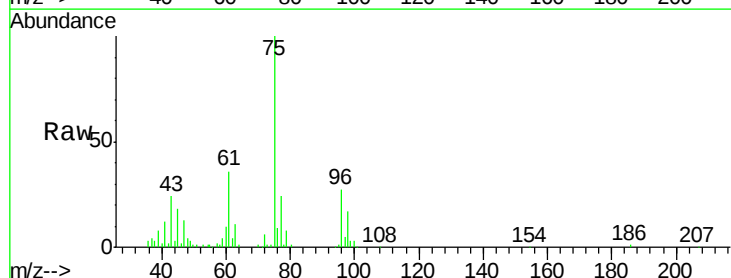
Acq: 14 May 2018 20:51

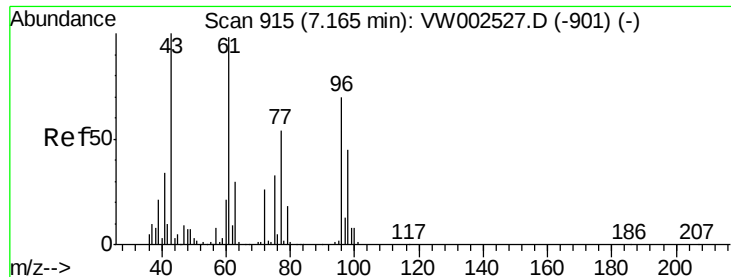
Tgt Ion: 77 Resp: 12388

Ion Ratio Lower Upper

77 100

97 21.9 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 4.93 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW002524.D

Acq: 14 May 2018 20:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

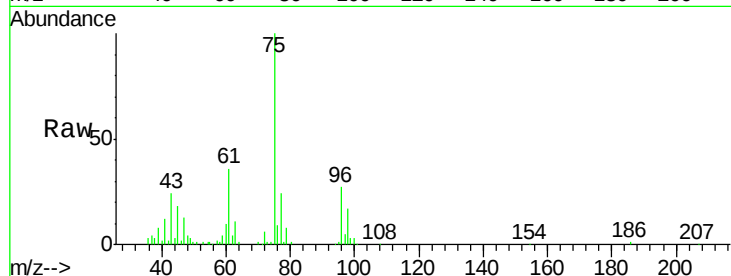
Tgt Ion: 96 Resp: 12361

Ion Ratio Lower Upper

96 100

61 145.5 0.0 281.6

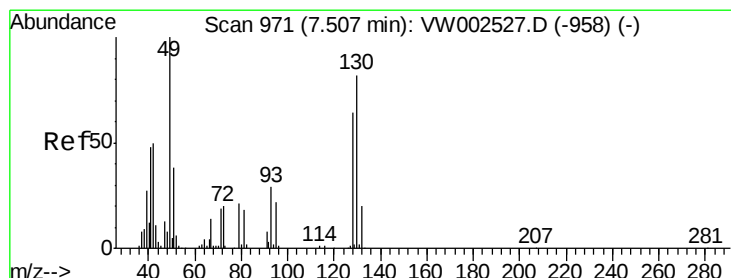
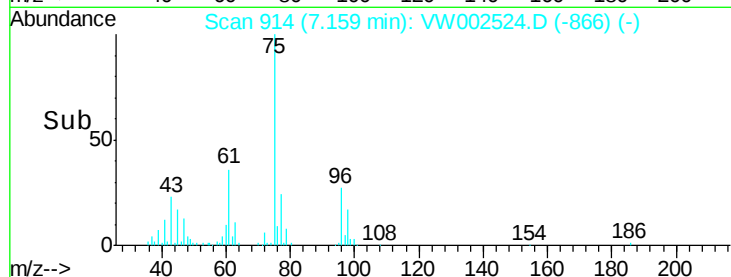
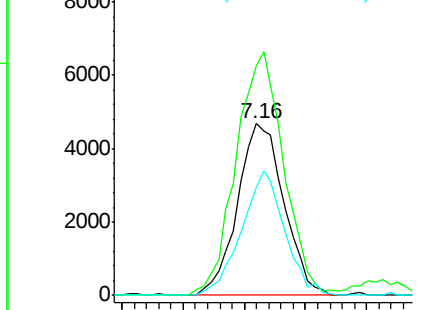
98 67.2 0.0 130.8



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#28

Bromochloromethane

Concen: 4.79 ug/l

RT: 7.51 min Scan# 971

Delta R.T. 0.00 min

Lab File: VW002524.D

Acq: 14 May 2018 20:51

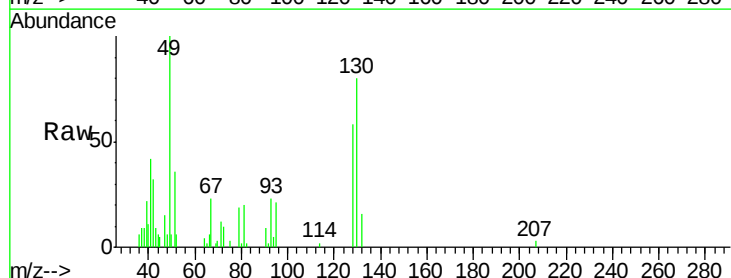
Tgt Ion: 49 Resp: 8762

Ion Ratio Lower Upper

49 100

129 0.5 0.0 4.4

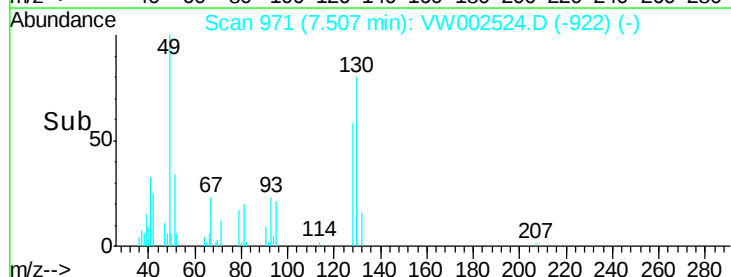
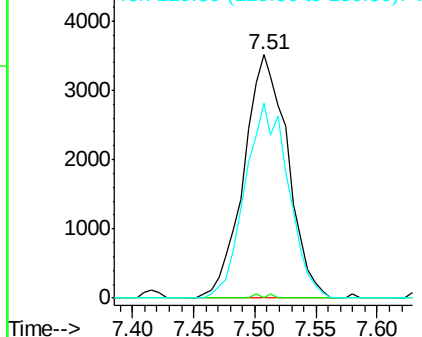
130 79.4 64.7 97.1

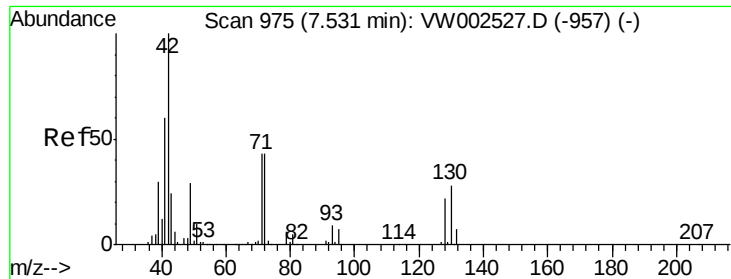


Abundance Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

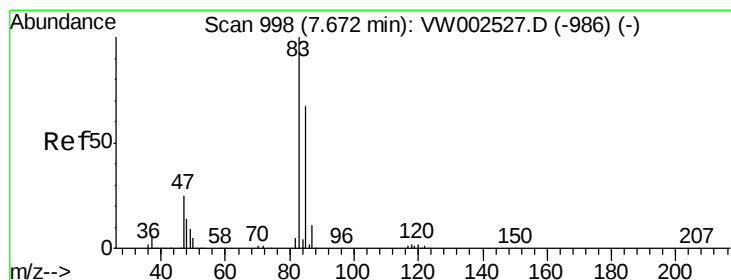
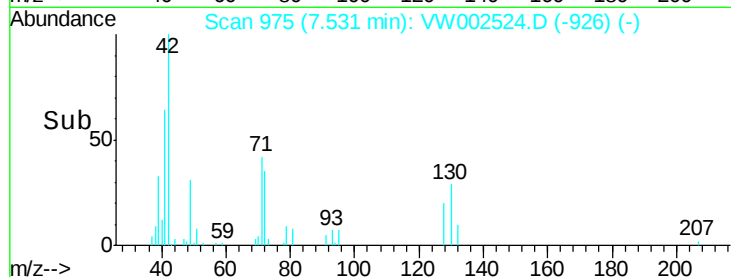
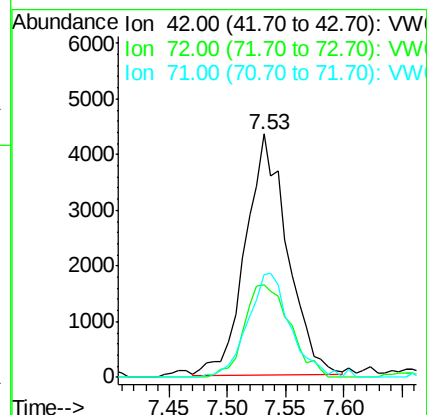
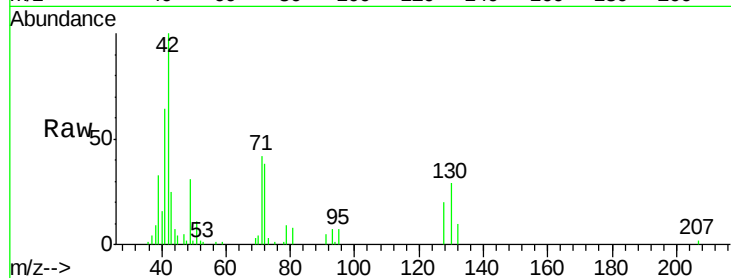




#29
Tetrahydrofuran
Concen: 23.26 ug/l
RT: 7.53 min Scan# 975
Delta R.T. 0.00 min
Lab File: VW002524.D
Acq: 14 May 2018 20:51

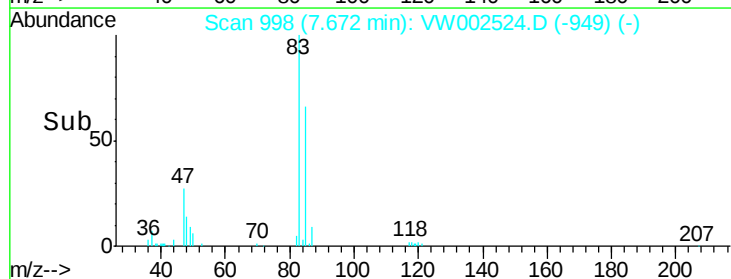
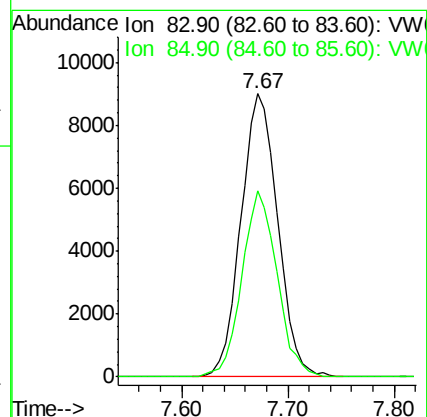
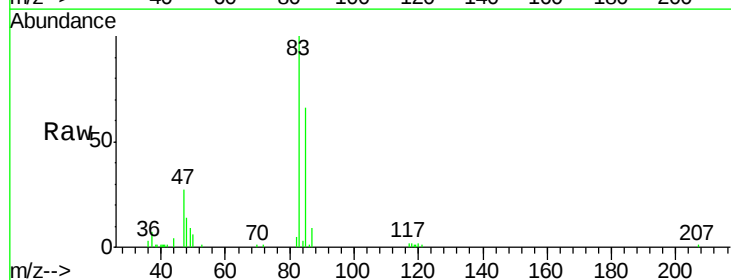
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

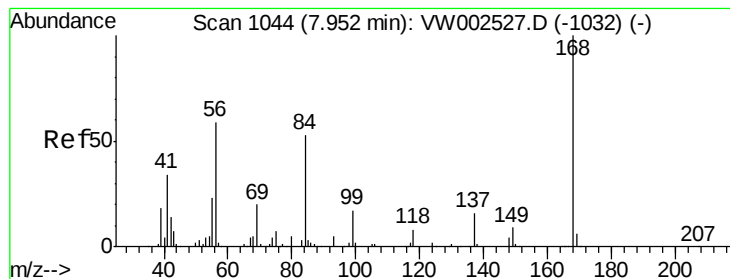
Tgt Ion: 42 Resp: 10865
Ion Ratio Lower Upper
42 100
72 41.6 35.0 52.4
71 43.7 33.0 49.6



#30
Chloroform
Concen: 5.17 ug/l
RT: 7.67 min Scan# 998
Delta R.T. 0.00 min
Lab File: VW002524.D
Acq: 14 May 2018 20:51

Tgt Ion: 83 Resp: 21823
Ion Ratio Lower Upper
83 100
85 65.7 53.9 80.9





#31

Cyclohexane

Concen: 5.86 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW002524.D

Acq: 14 May 2018 20:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

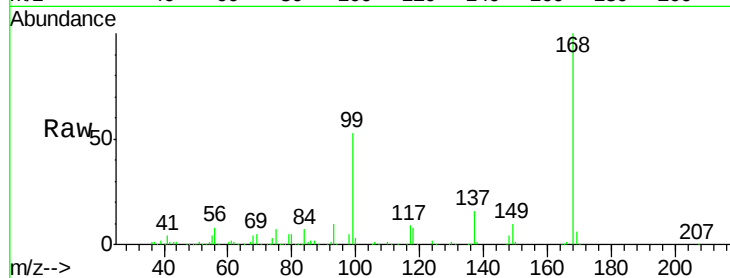
Tgt Ion: 56 Resp: 20981

Ion Ratio Lower Upper

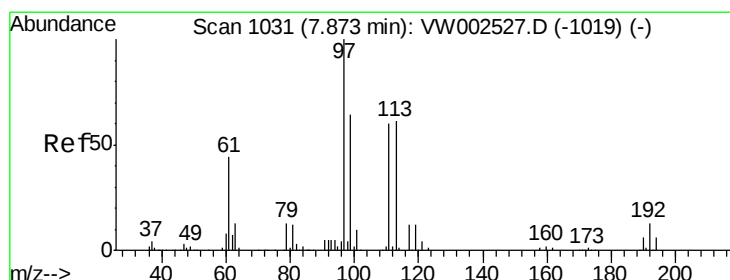
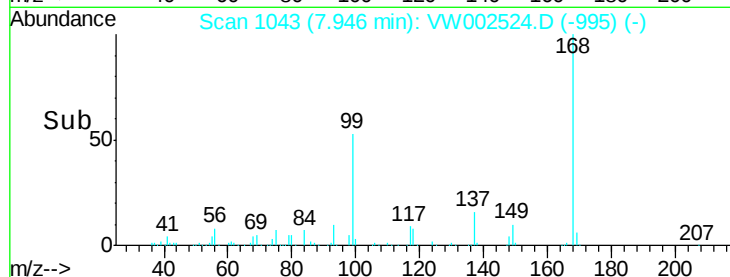
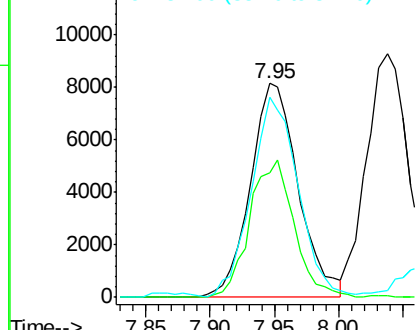
56 100

69 58.2 27.0 40.4#

84 92.3 72.2 108.2



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



#32

1,1,1-Trichloroethane

Concen: 4.98 ug/l

RT: 7.87 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VW002524.D

Acq: 14 May 2018 20:51

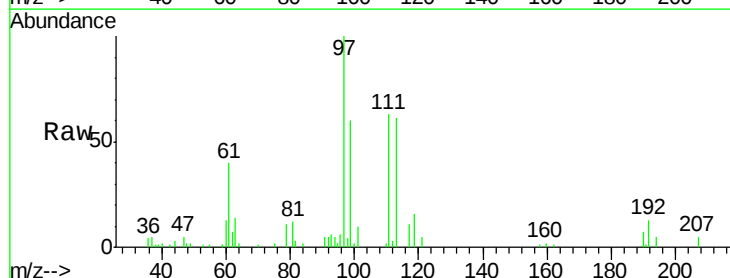
Tgt Ion: 97 Resp: 15863

Ion Ratio Lower Upper

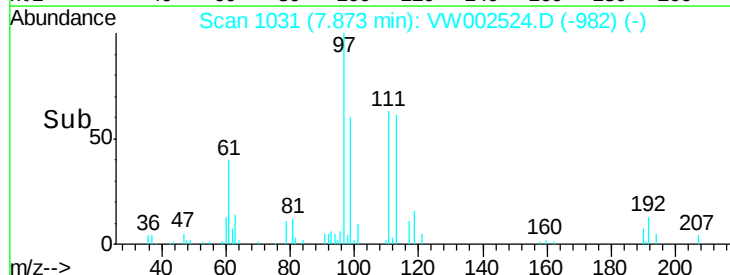
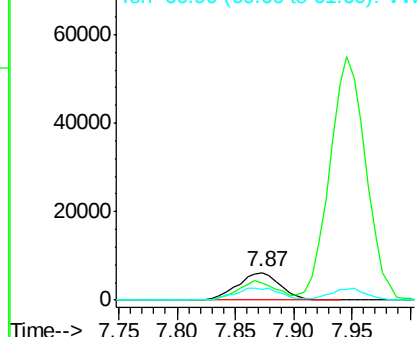
97 100

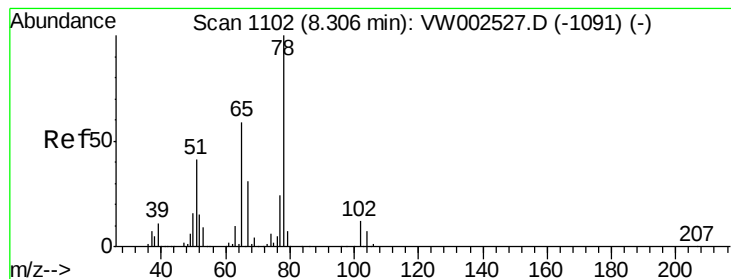
99 63.1 51.1 76.7

61 45.9 35.9 53.9



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: 4.78 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VW002524.D

Acq: 14 May 2018 20:51

Instrument :

MSVOA_W

ClientSampleId :

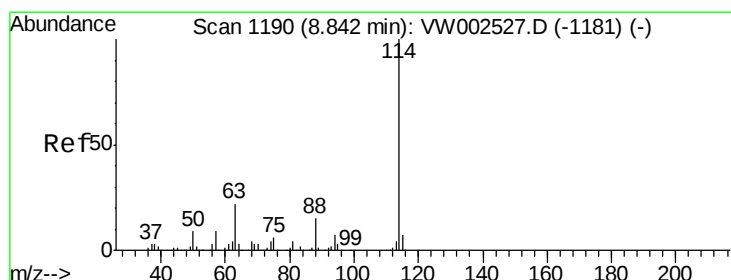
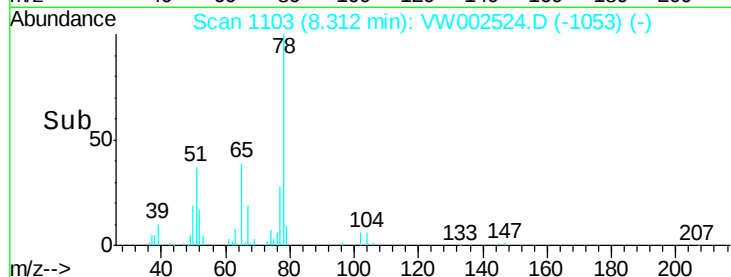
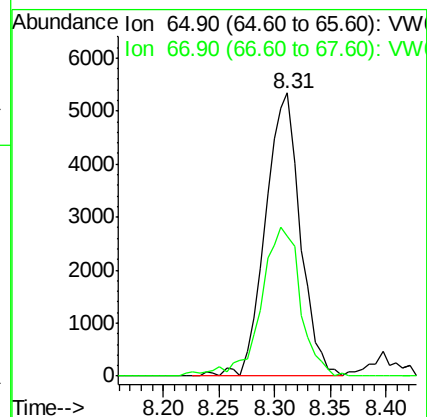
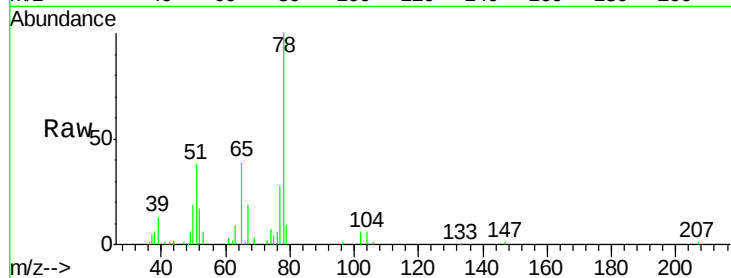
VSTDIC005

Tgt Ion: 65 Resp: 11610

Ion Ratio Lower Upper

65 100

67 59.6 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.01 min

Lab File: VW002524.D

Acq: 14 May 2018 20:51

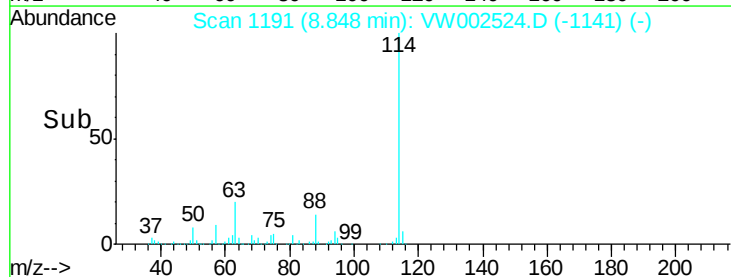
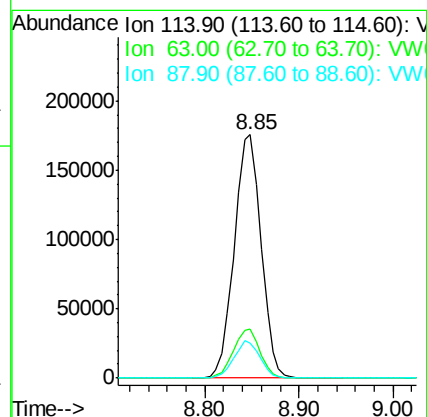
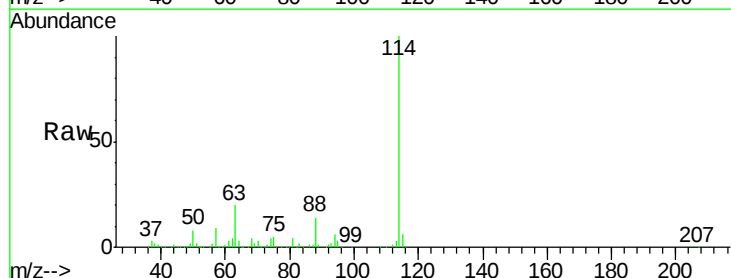
Tgt Ion: 114 Resp: 347385

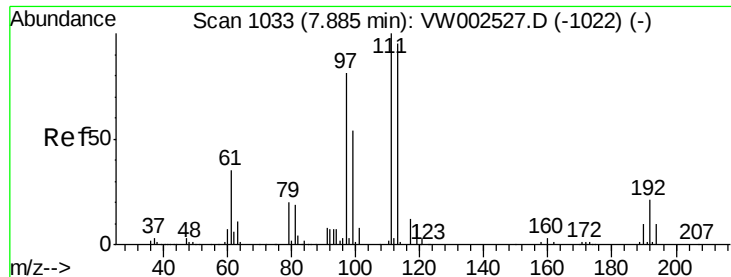
Ion Ratio Lower Upper

114 100

63 20.0 0.0 43.2

88 14.2 0.0 29.2

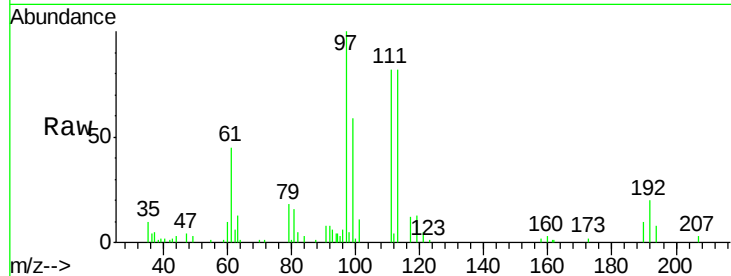




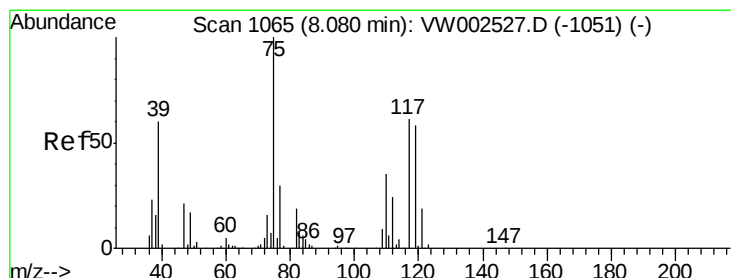
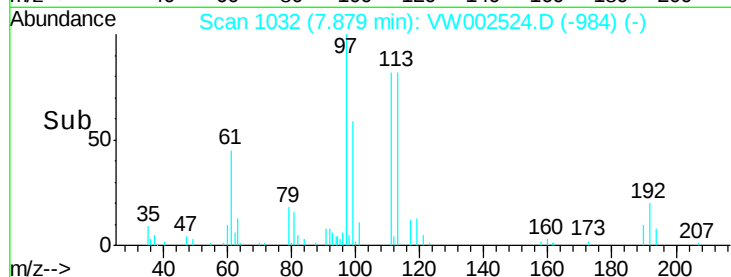
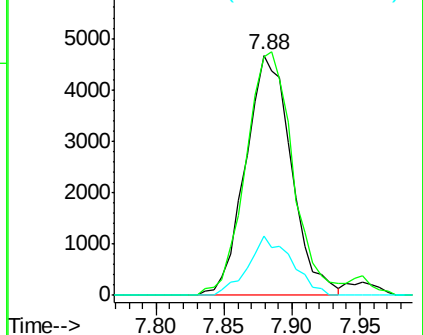
#35
 Dibromofluoromethane
 Concen: 4.97 ug/l
 RT: 7.88 min Scan# 1032
 Delta R.T. -0.01 min
 Lab File: VW002524.D
 Acq: 14 May 2018 20:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion:113 Resp: 10989
 Ion Ratio Lower Upper
 113 100
 111 104.3 81.8 122.8
 192 23.3 17.5 26.3

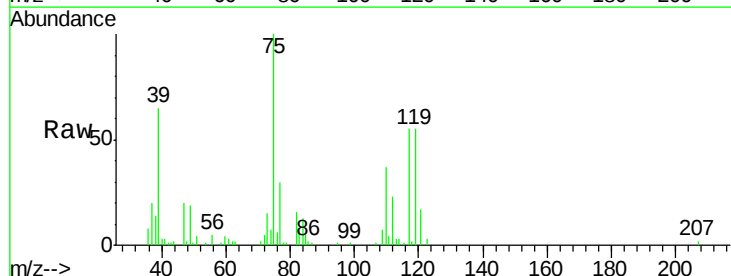


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

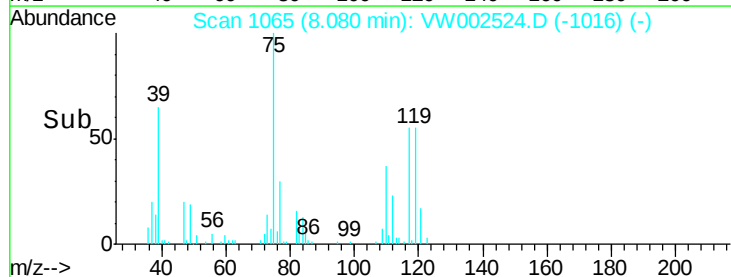
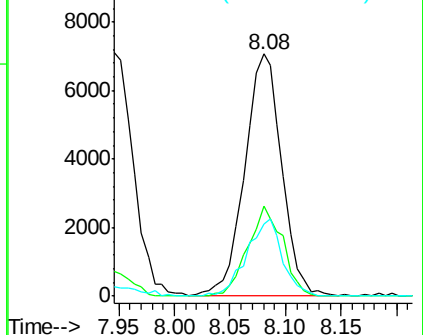


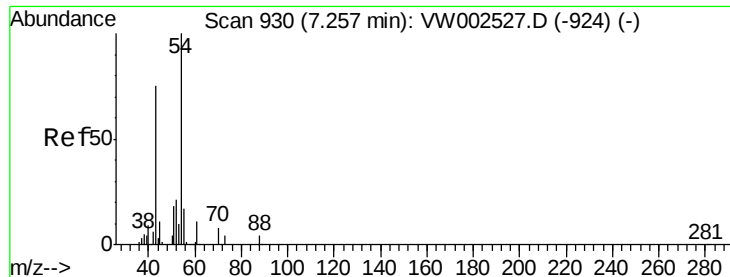
#36
 1,1-Dichloropropene
 Concen: 5.23 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. 0.00 min
 Lab File: VW002524.D
 Acq: 14 May 2018 20:51

Tgt Ion: 75 Resp: 16385
 Ion Ratio Lower Upper
 75 100
 110 35.0 17.8 53.5
 77 30.9 24.5 36.7



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

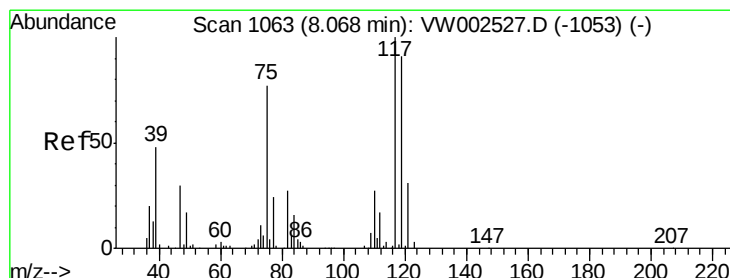
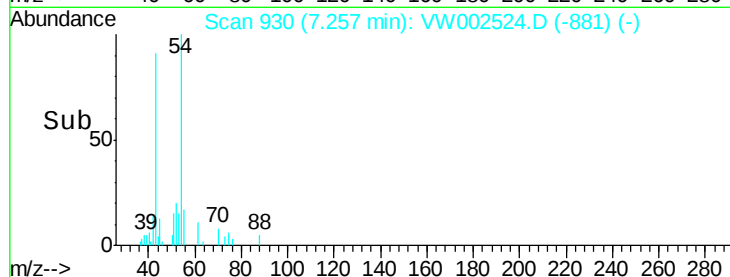
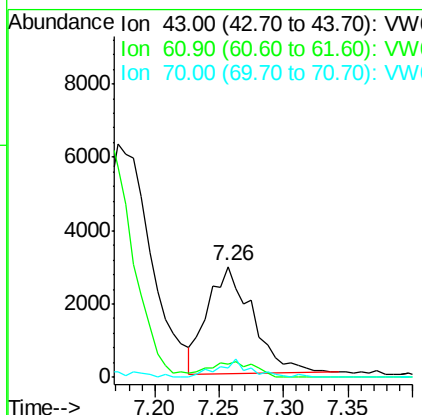
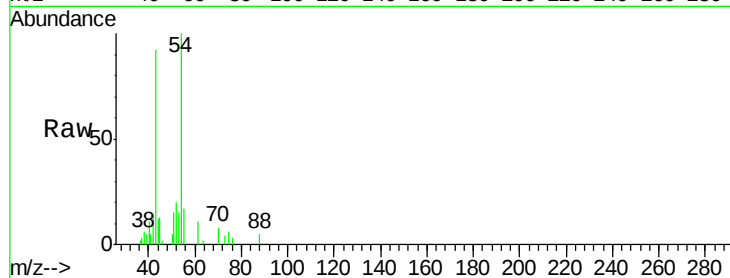




#37
Ethyl Acetate
Concen: 4.63 ug/l
RT: 7.26 min Scan# 930
Delta R.T. 0.00 min
Lab File: VW002524.D
Acq: 14 May 2018 20:51

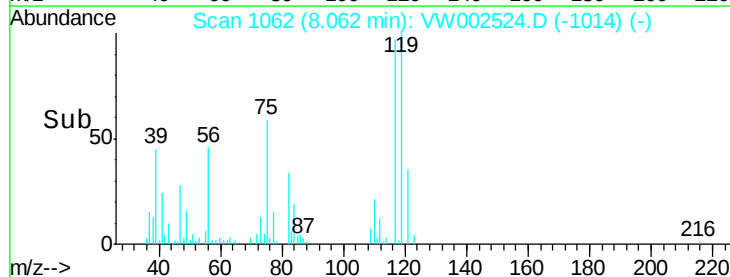
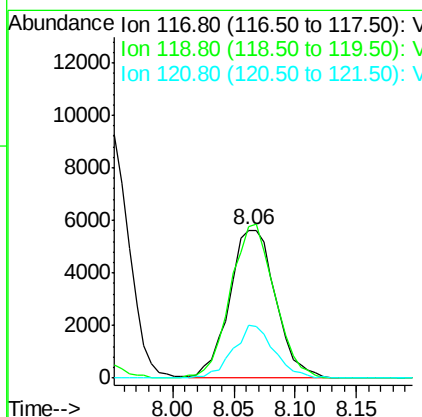
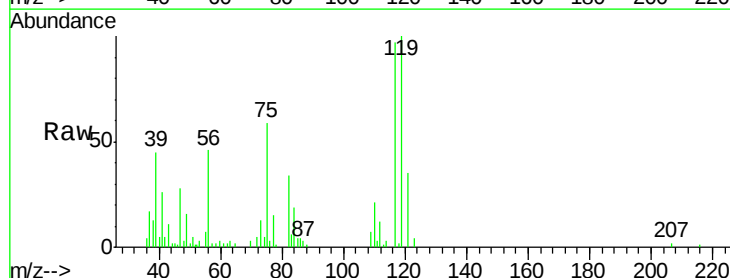
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

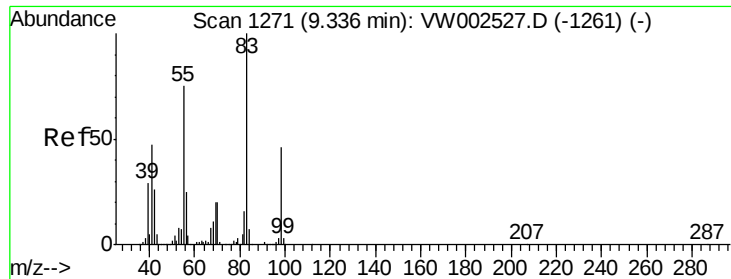
Tgt Ion: 43 Resp: 7142
Ion Ratio Lower Upper
43 100
61 14.7 11.1 16.7
70 11.9 7.8 11.8#



#38
Carbon Tetrachloride
Concen: 4.84 ug/l
RT: 8.06 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VW002524.D
Acq: 14 May 2018 20:51

Tgt Ion: 117 Resp: 14728
Ion Ratio Lower Upper
117 100
119 102.7 73.1 109.7
121 35.9 24.4 36.6

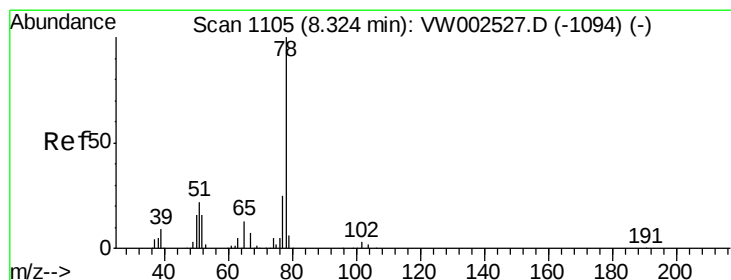
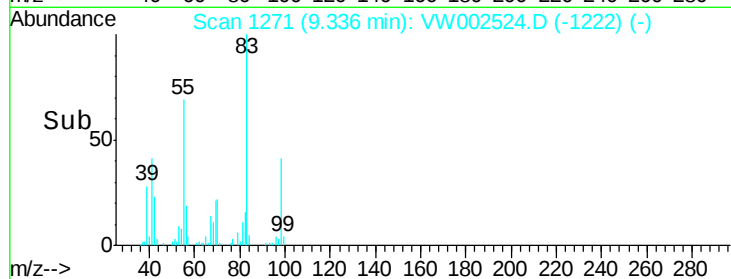
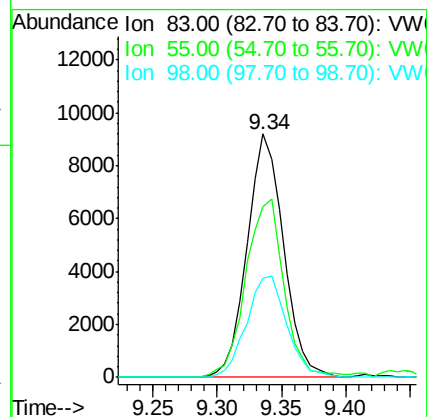
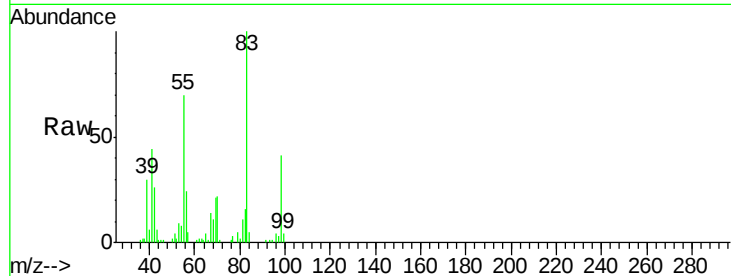




#39
Methylcyclohexane
Concen: 4.93 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VW002524.D
Acq: 14 May 2018 20:51

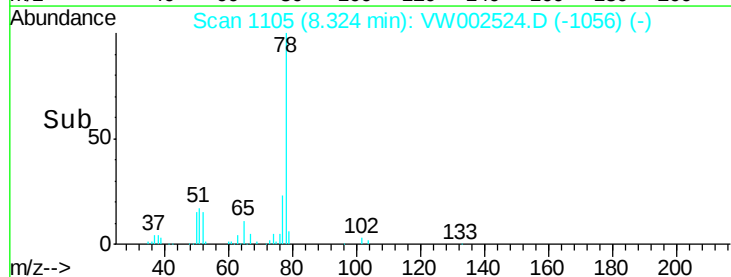
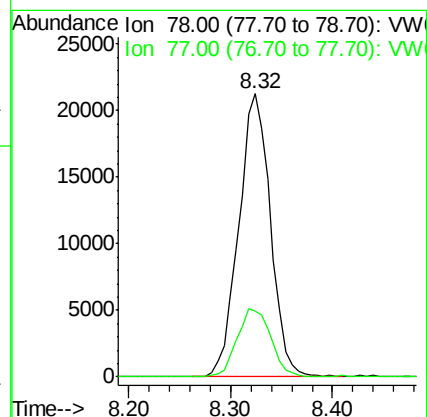
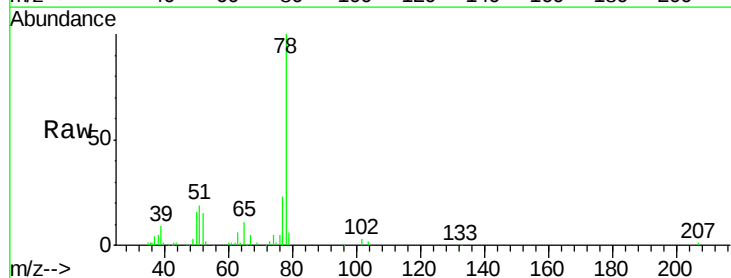
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

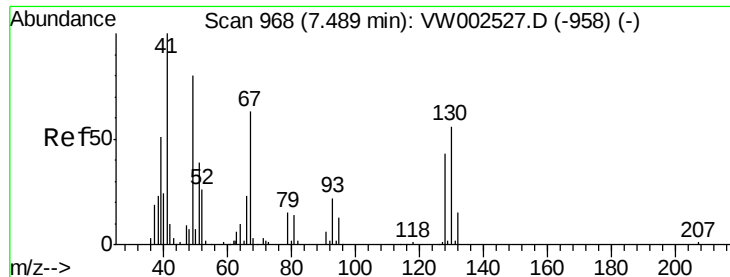
Tgt Ion: 83 Resp: 17980
Ion Ratio Lower Upper
83 100
55 70.1 60.0 90.0
98 40.7 37.0 55.4



#40
Benzene
Concen: 5.02 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VW002524.D
Acq: 14 May 2018 20:51

Tgt Ion: 78 Resp: 45713
Ion Ratio Lower Upper
78 100
77 23.2 19.9 29.9

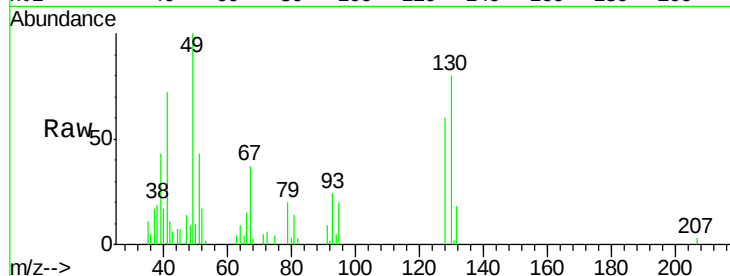




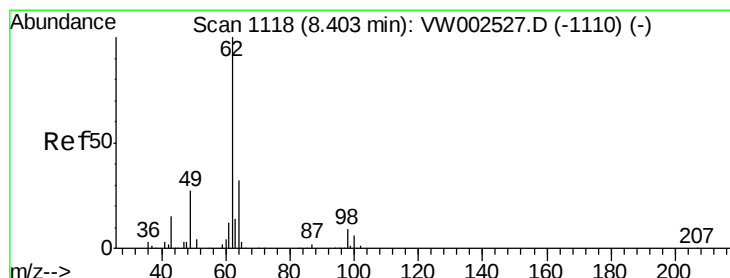
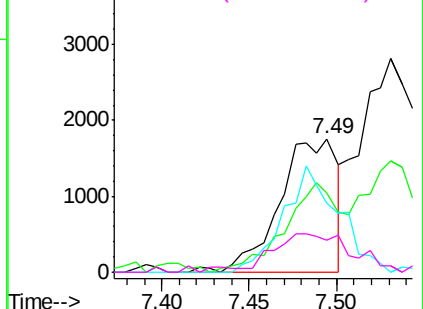
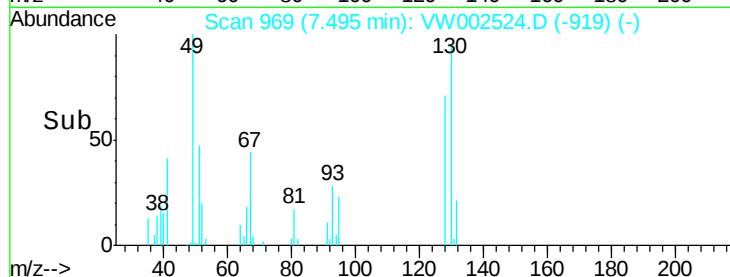
#41
Methacrylonitrile
Concen: 4.69 ug/l
RT: 7.49 min Scan# 969
Delta R.T. 0.01 min
Lab File: VW002524.D
Acq: 14 May 2018 20:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion:	41	Resp:	4060
Ion	Ratio	Lower	Upper
41	100		
39	66.1	51.8	77.8
67	76.5	59.9	89.9
52	38.6	26.6	39.8

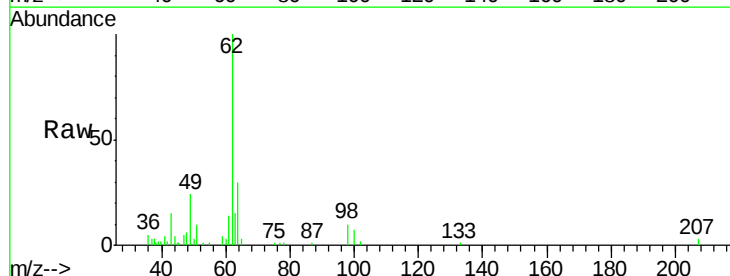


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

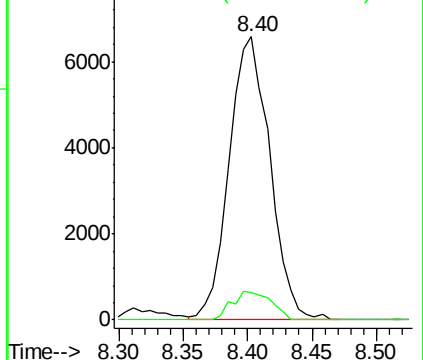
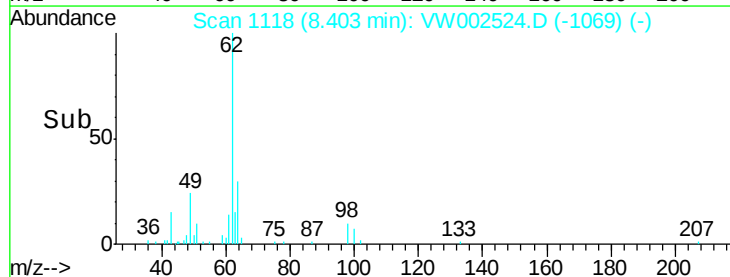


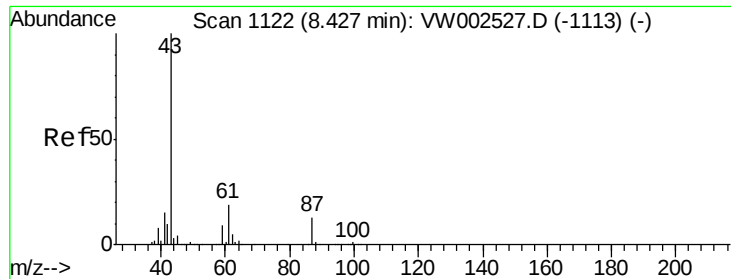
#42
1,2-Dichloroethane
Concen: 5.07 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW002524.D
Acq: 14 May 2018 20:51

Tgt Ion:	62	Resp:	14486
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	17.8



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

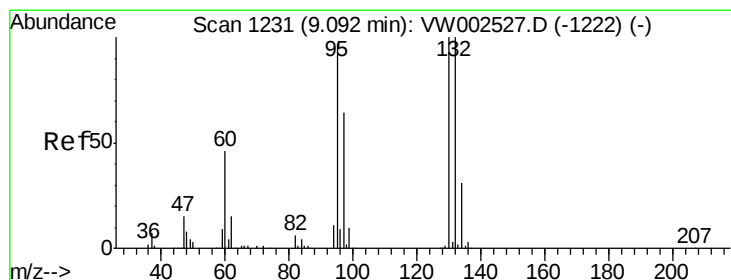
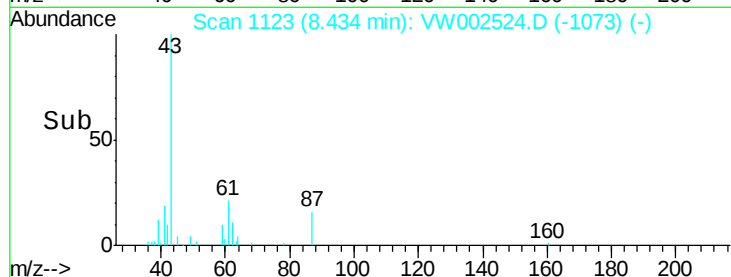
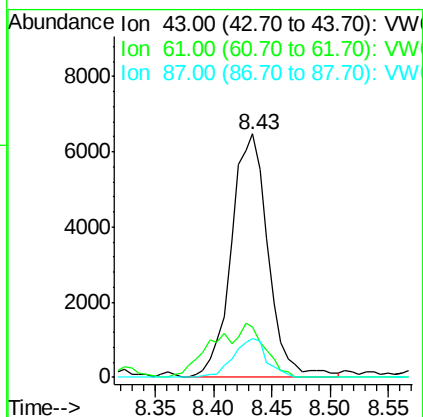
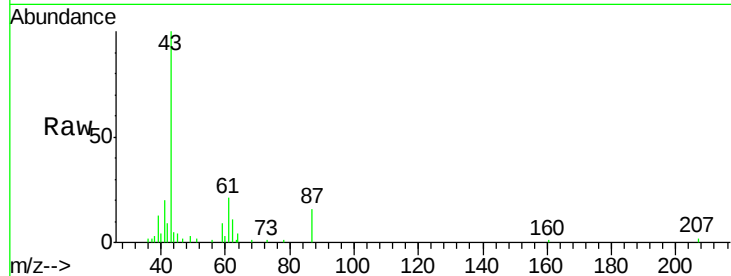




#43
Isopropyl Acetate
Concen: 4.88 ug/l
RT: 8.43 min Scan# 1123
Delta R.T. 0.01 min
Lab File: VW002524.D
Acq: 14 May 2018 20:51

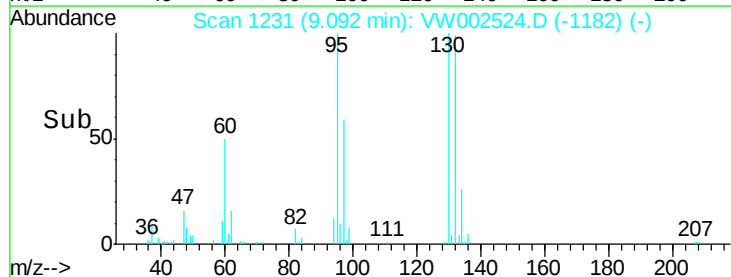
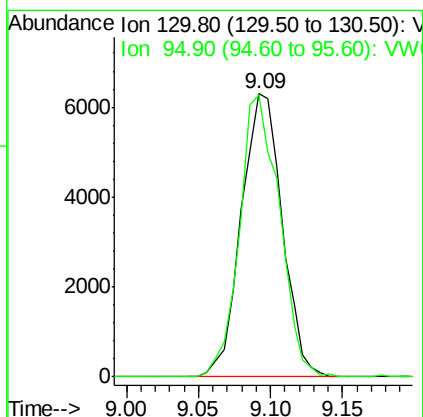
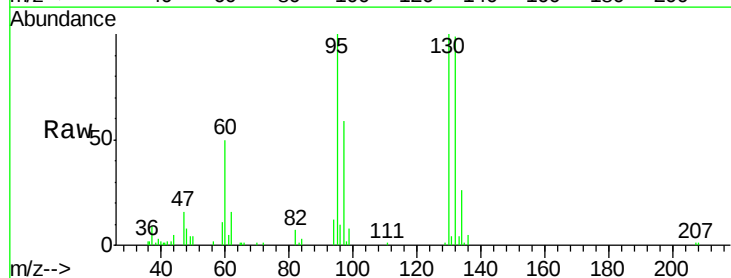
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

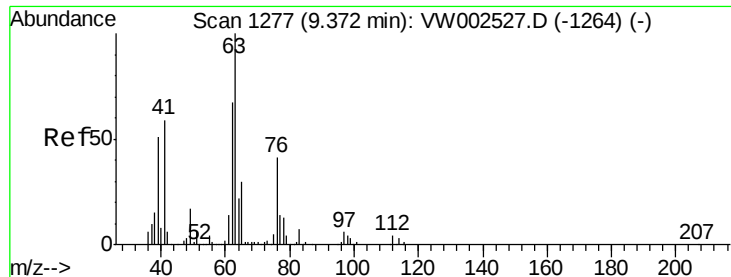
Tgt Ion: 43 Resp: 14275
Ion Ratio Lower Upper
43 100
61 30.8 23.0 34.6
87 14.5 10.6 15.8



#44
Trichloroethene
Concen: 4.97 ug/l
RT: 9.09 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VW002524.D
Acq: 14 May 2018 20:51

Tgt Ion: 130 Resp: 12389
Ion Ratio Lower Upper
130 100
95 99.7 0.0 194.6

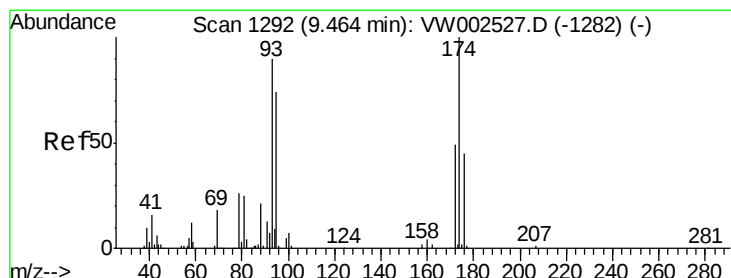
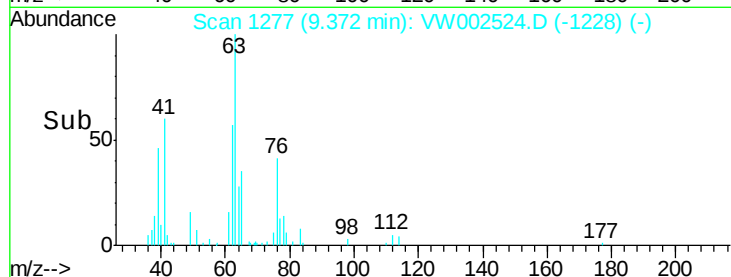
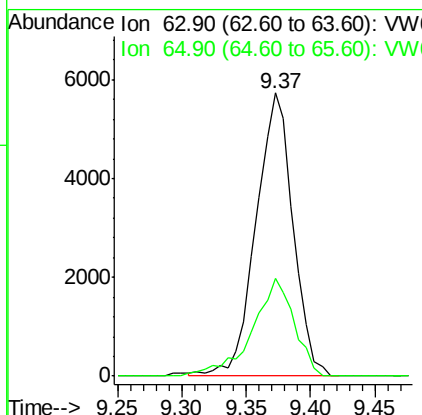
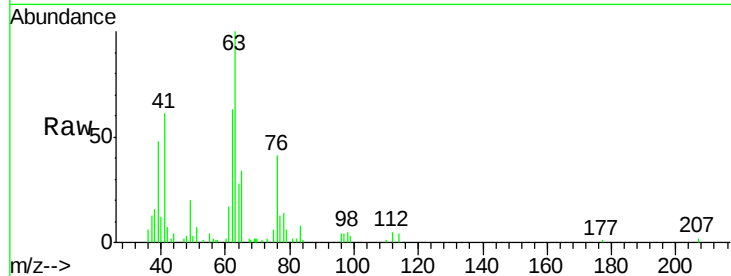




#45
 1,2-Dichloropropane
 Concen: 4.95 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW002524.D
 Acq: 14 May 2018 20:51

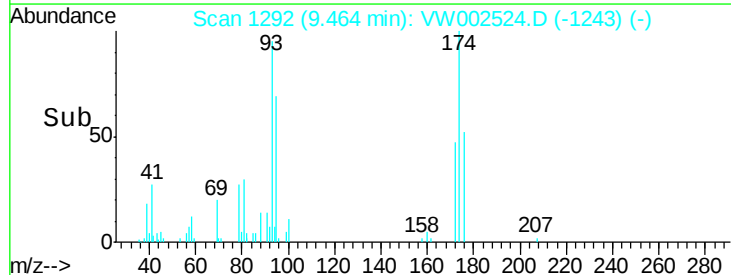
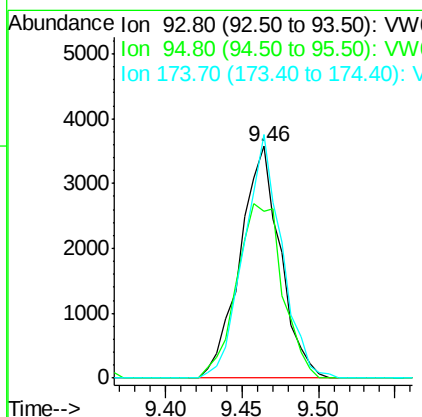
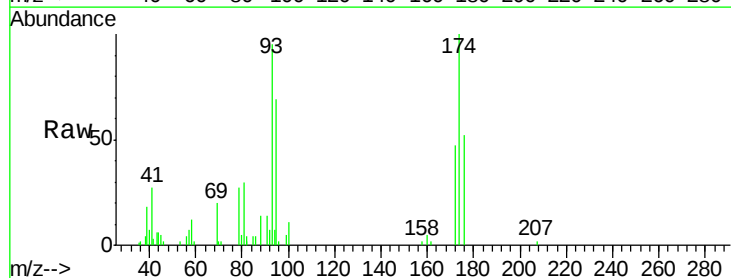
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

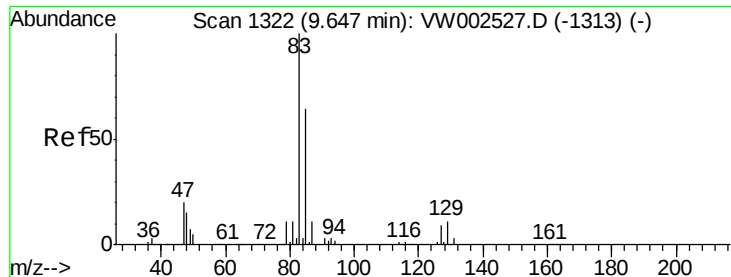
Tgt Ion: 63 Resp: 11366
 Ion Ratio Lower Upper
 63 100
 65 34.4 24.4 36.6



#46
 Dibromomethane
 Concen: 5.09 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. 0.00 min
 Lab File: VW002524.D
 Acq: 14 May 2018 20:51

Tgt Ion: 93 Resp: 6544
 Ion Ratio Lower Upper
 93 100
 95 85.3 66.6 100.0
 174 98.5 84.0 126.0





#47

Bromodichloromethane

Concen: 4.83 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW002524.D

Acq: 14 May 2018 20:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

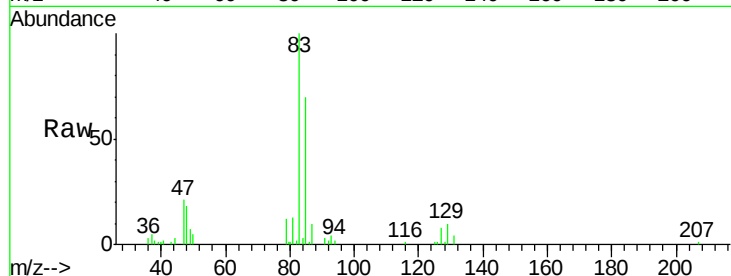
Tgt Ion: 83 Resp: 14635

Ion Ratio Lower Upper

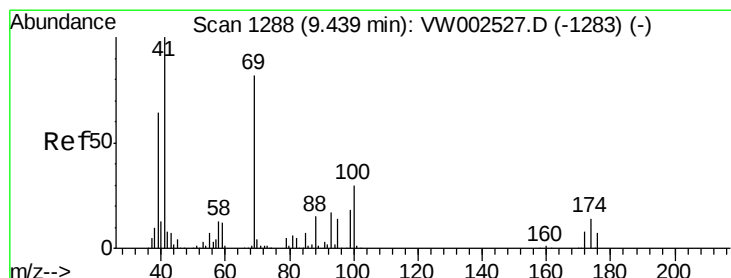
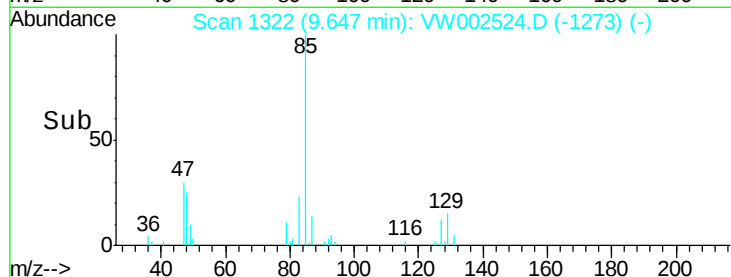
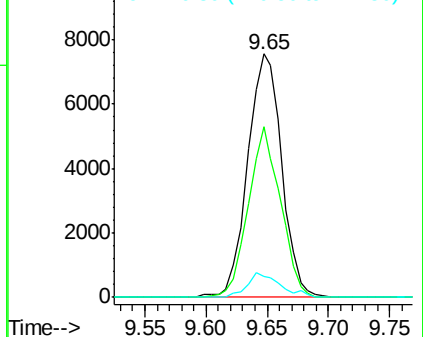
83 100

85 70.3 51.4 77.2

127 8.5 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 4.40 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VW002524.D

Acq: 14 May 2018 20:51

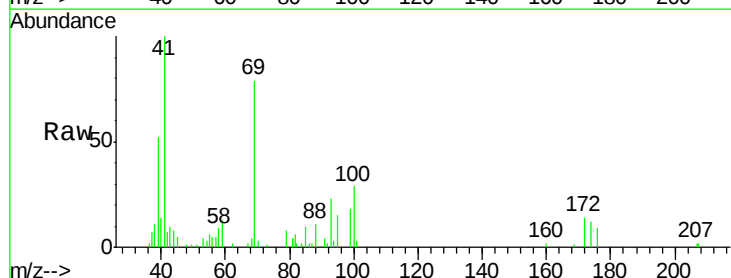
Tgt Ion: 41 Resp: 6238

Ion Ratio Lower Upper

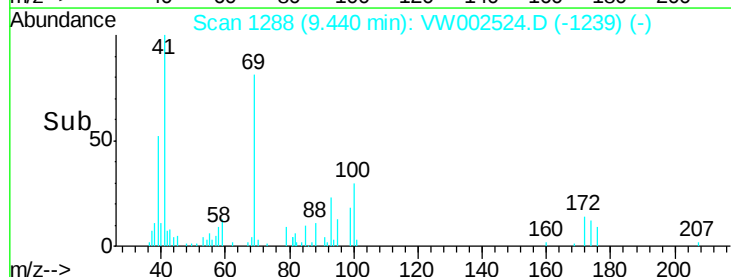
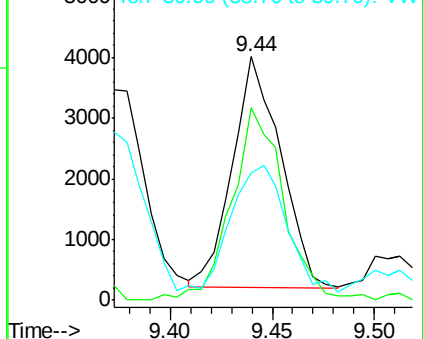
41 100

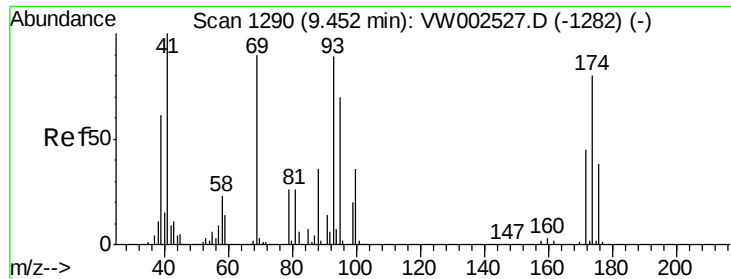
69 90.5 69.7 104.5

39 69.0 55.0 82.4



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

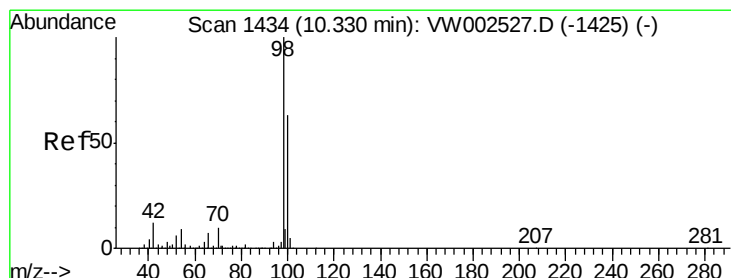
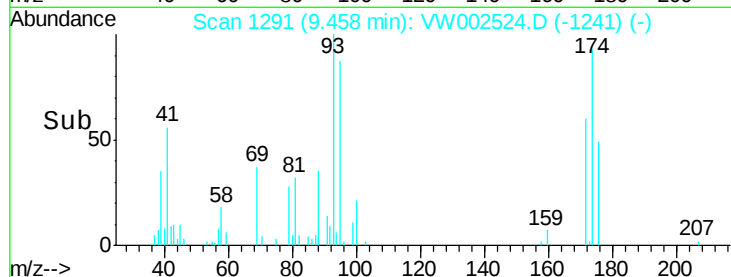
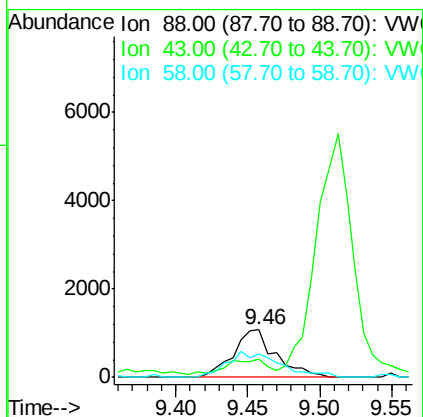
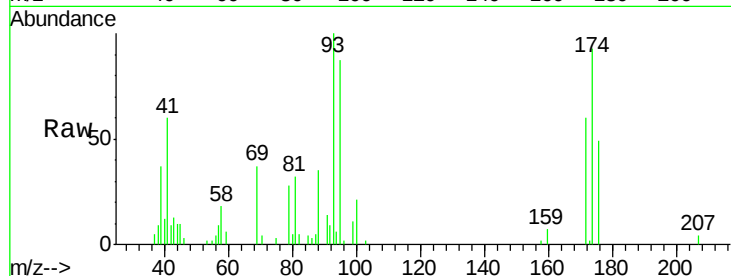




#49
 1,4-Dioxane
 Concen: 106.40 ug/l
 RT: 9.46 min Scan# 1291
 Delta R.T. 0.01 min
 Lab File: VW002524.D
 Acq: 14 May 2018 20:51

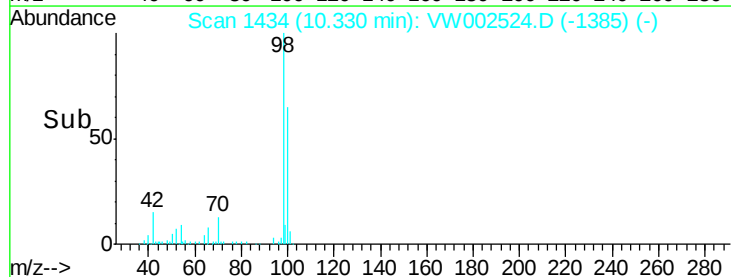
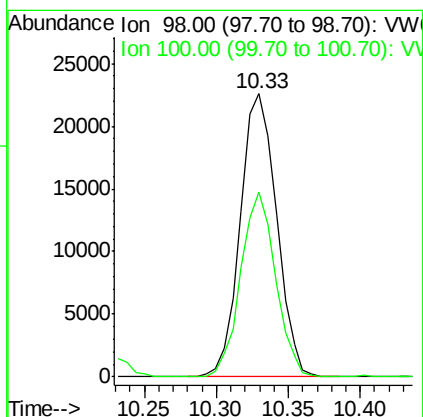
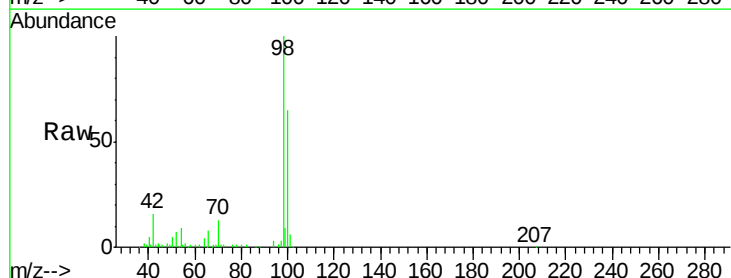
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

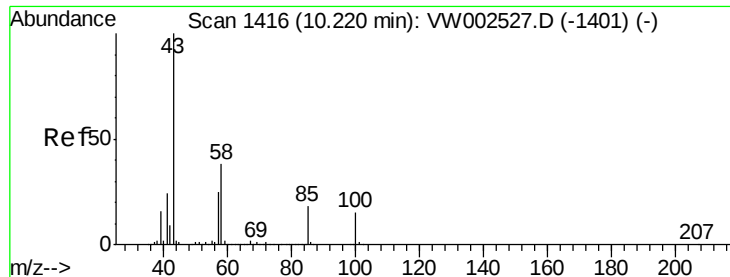
Tgt Ion: 88 Resp: 2209
 Ion Ratio Lower Upper
 88 100
 43 36.6 27.0 40.4
 58 68.1 56.9 85.3



#50
 Toluene-d8
 Concen: 4.67 ug/l
 RT: 10.33 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW002524.D
 Acq: 14 May 2018 20:51

Tgt Ion: 98 Resp: 39470
 Ion Ratio Lower Upper
 98 100
 100 62.4 51.0 76.4





#51

4-Methyl-2-Pentanone

Concen: 22.93 ug/l

RT: 10.22 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VW002524.D

Acq: 14 May 2018 20:51

Instrument :

MSVOA_W

ClientSampleId :

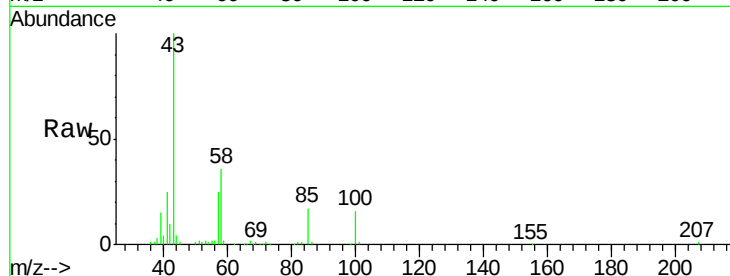
VSTDIC005

Tgt Ion: 43 Resp: 37125

Ion Ratio Lower Upper

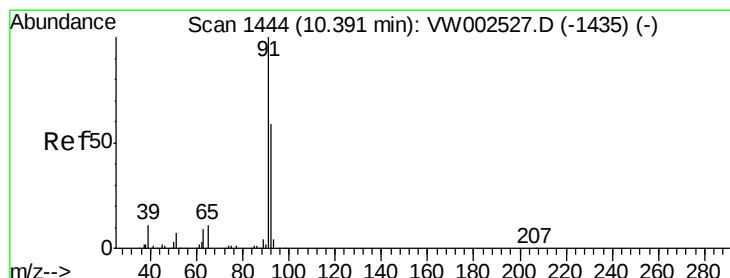
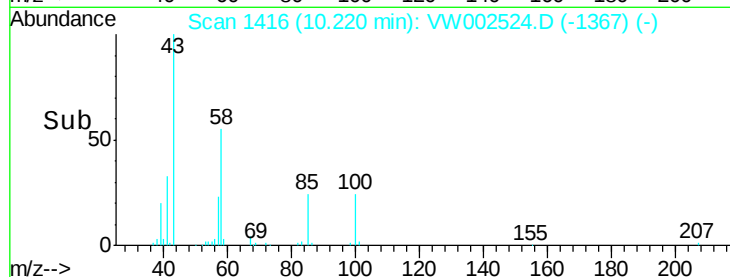
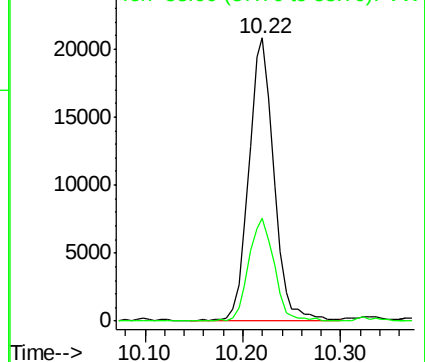
43 100

58 37.0 30.1 45.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 4.76 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW002524.D

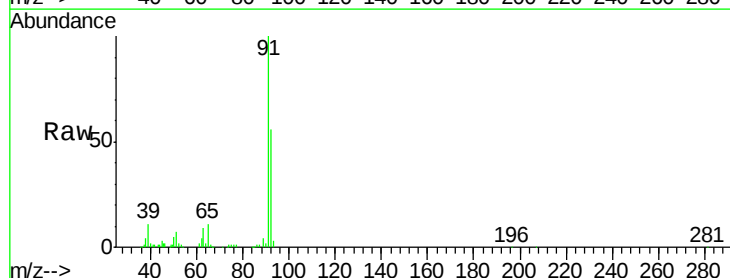
Acq: 14 May 2018 20:51

Tgt Ion: 92 Resp: 27565

Ion Ratio Lower Upper

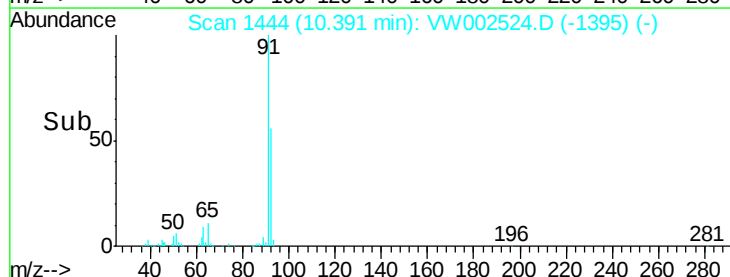
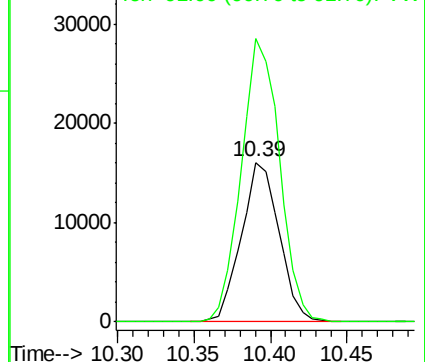
92 100

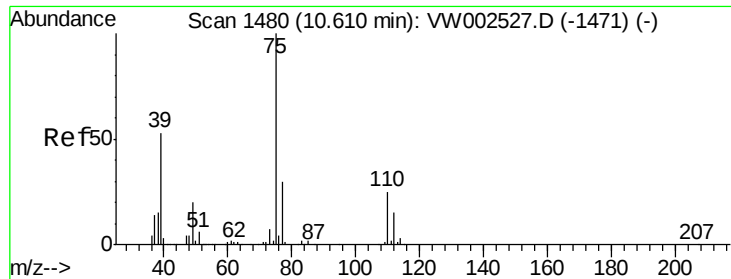
91 180.4 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

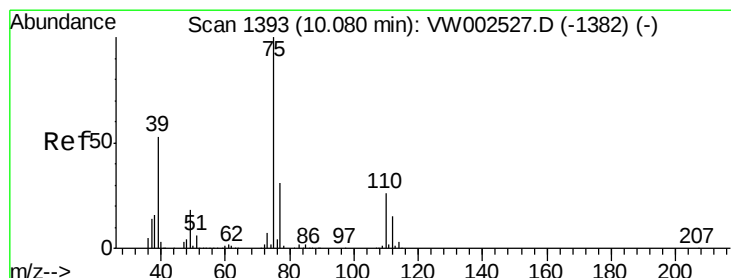
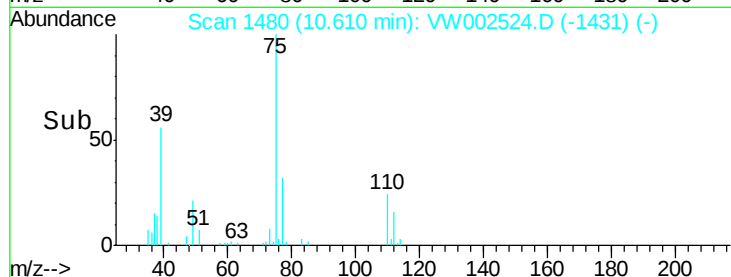
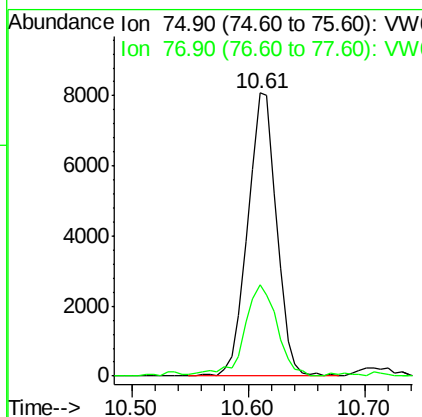
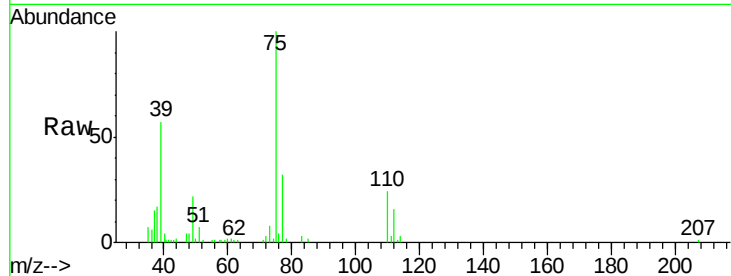




#53
 t-1,3-Dichloropropene
 Concen: 4.67 ug/l
 RT: 10.61 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VW002524.D
 Acq: 14 May 2018 20:51

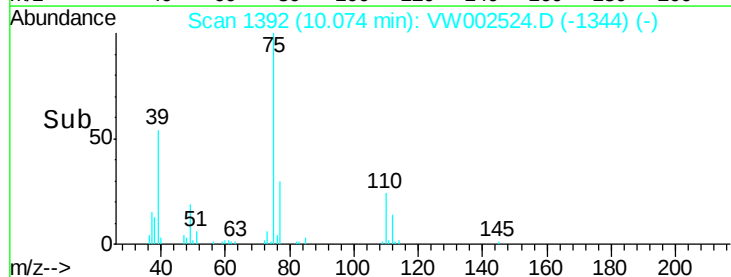
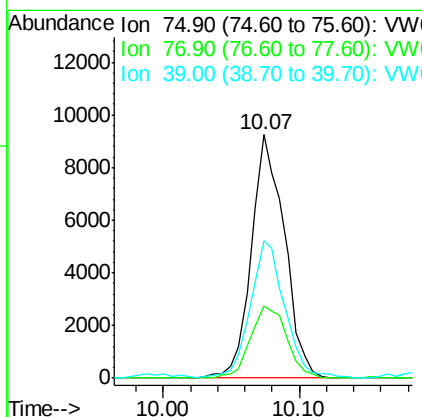
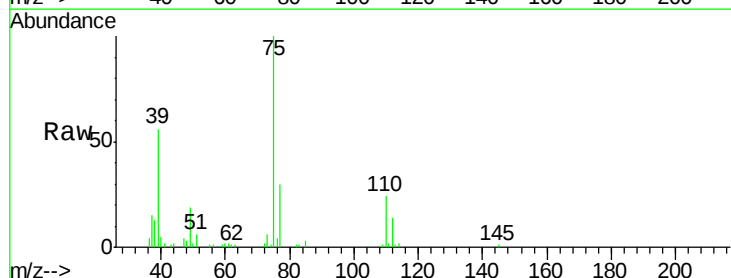
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

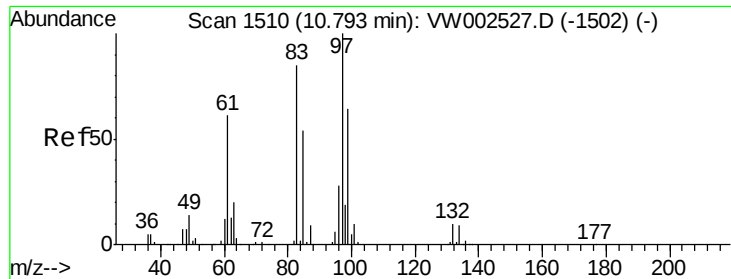
Tgt Ion: 75 Resp: 14029
 Ion Ratio Lower Upper
 75 100
 77 31.3 24.1 36.1



#54
 cis-1,3-Dichloropropene
 Concen: 4.63 ug/l
 RT: 10.07 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VW002524.D
 Acq: 14 May 2018 20:51

Tgt Ion: 75 Resp: 15811
 Ion Ratio Lower Upper
 75 100
 77 29.6 25.0 37.4
 39 55.5 42.5 63.7





#55

1,1,2-Trichloroethane

Concen: 5.09 ug/l

RT: 10.79 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VW002524.D

Acq: 14 May 2018 20:51

Instrument :

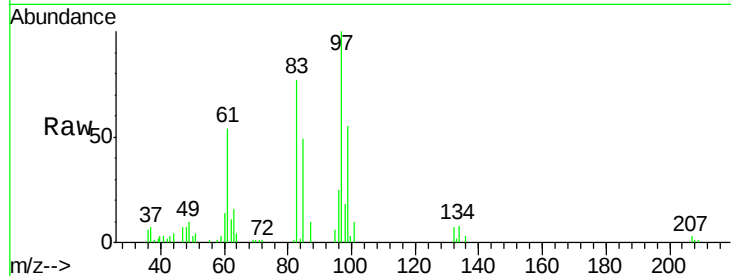
MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 97 Resp: 9237

Ion	Ratio	Lower	Upper
97	100		
83	77.2	68.1	102.1
85	49.4	43.6	65.4
99	55.4	51.2	76.8

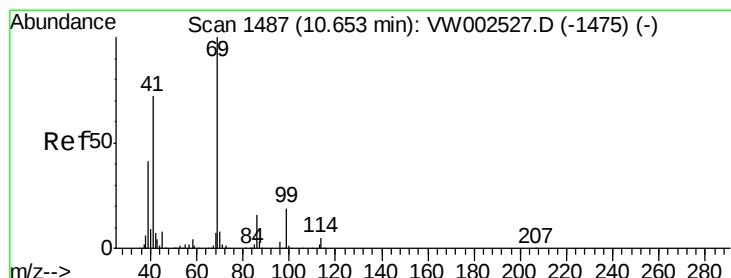
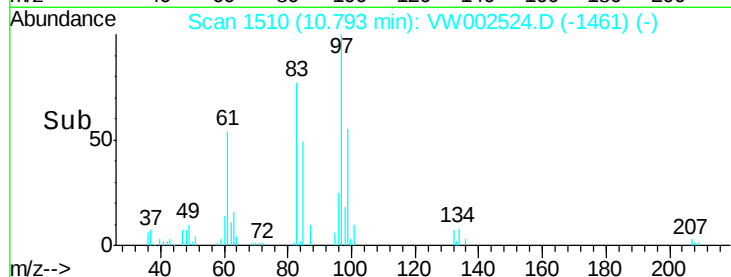


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 4.18 ug/l

RT: 10.65 min Scan# 1487

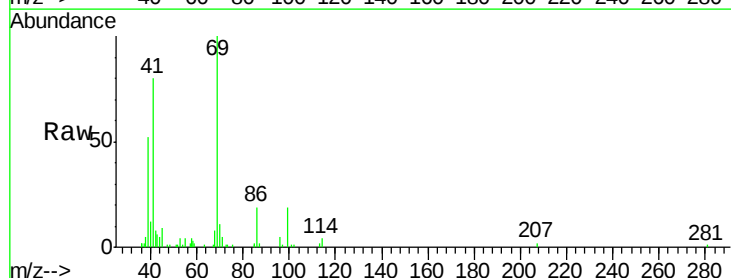
Delta R.T. 0.00 min

Lab File: VW002524.D

Acq: 14 May 2018 20:51

Tgt Ion: 69 Resp: 9384

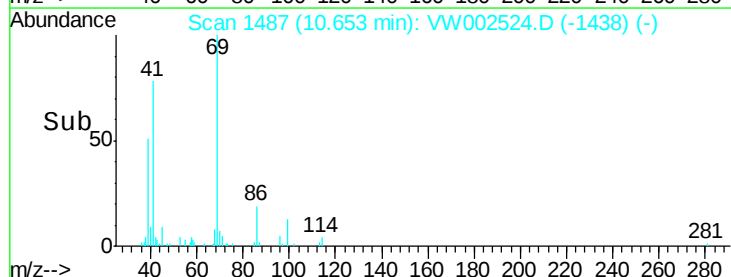
Ion	Ratio	Lower	Upper
69	100		
41	75.0	55.3	82.9
39	41.2	33.0	49.6

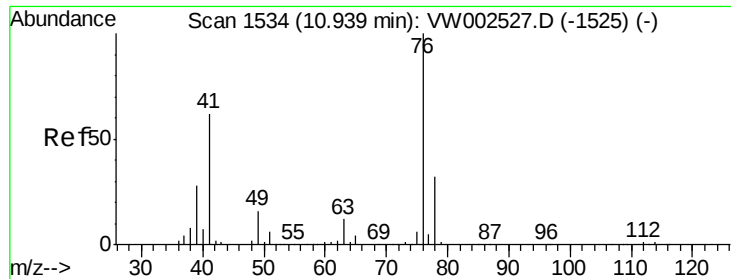


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

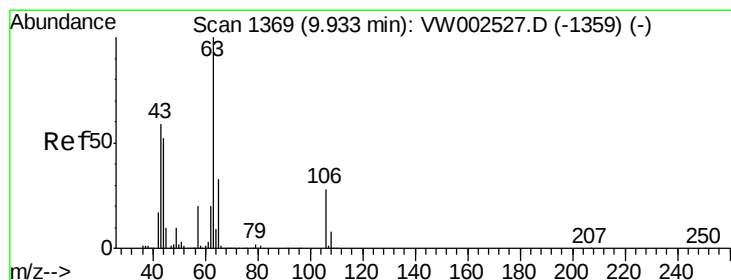
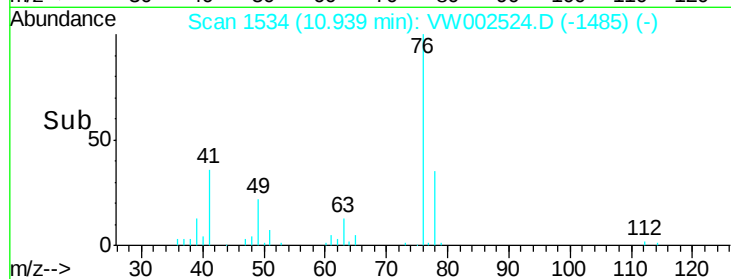
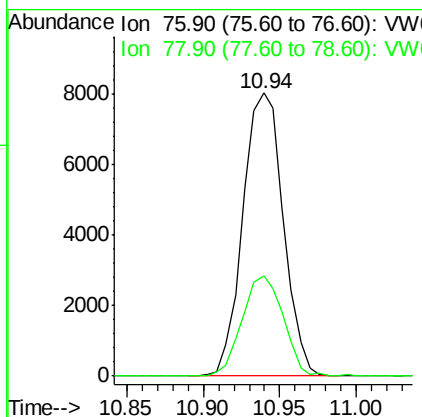
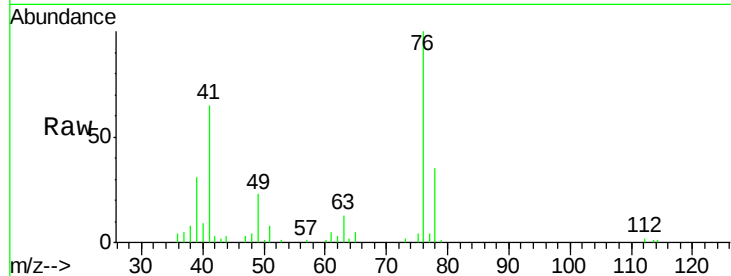




#57
 1,3-Dichloropropane
 Concen: 4.79 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VW002524.D
 Acq: 14 May 2018 20:51

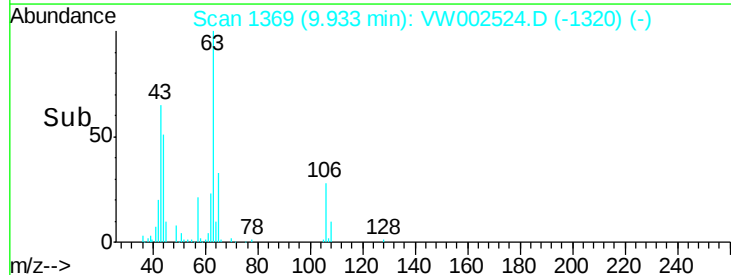
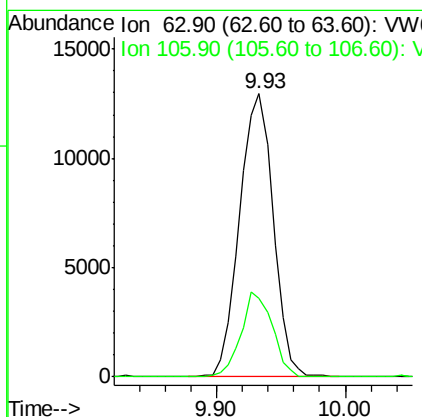
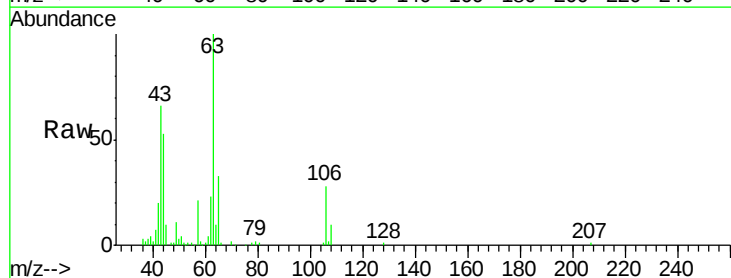
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

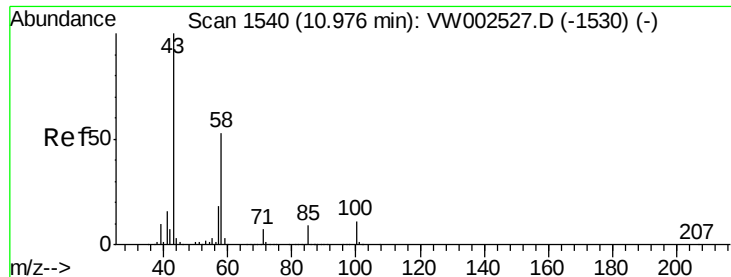
Tgt Ion: 76 Resp: 14745
 Ion Ratio Lower Upper
 76 100
 78 36.0 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 21.49 ug/l
 RT: 9.93 min Scan# 1369
 Delta R.T. 0.00 min
 Lab File: VW002524.D
 Acq: 14 May 2018 20:51

Tgt Ion: 63 Resp: 23455
 Ion Ratio Lower Upper
 63 100
 106 27.8 22.9 34.3

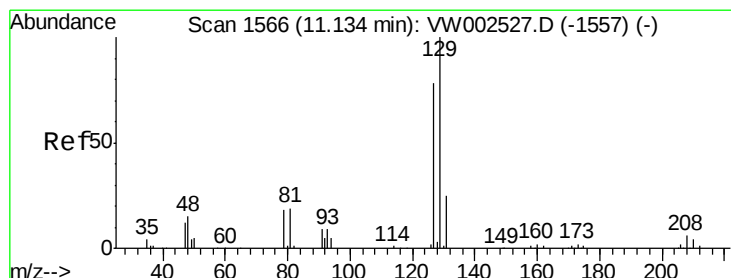
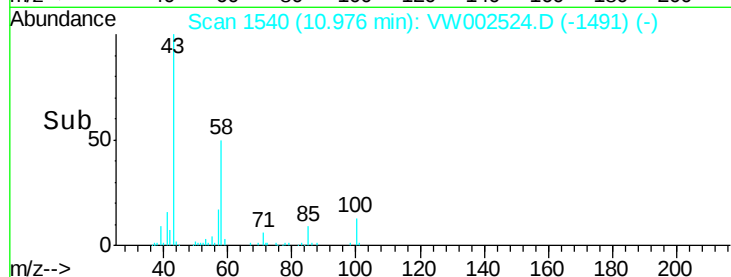
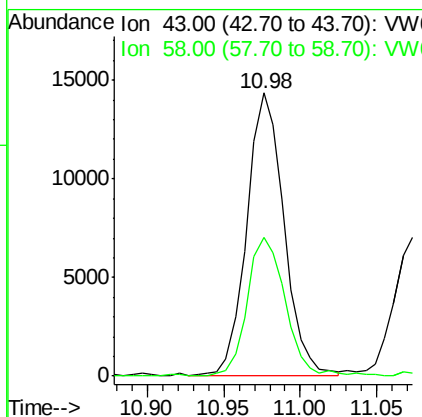
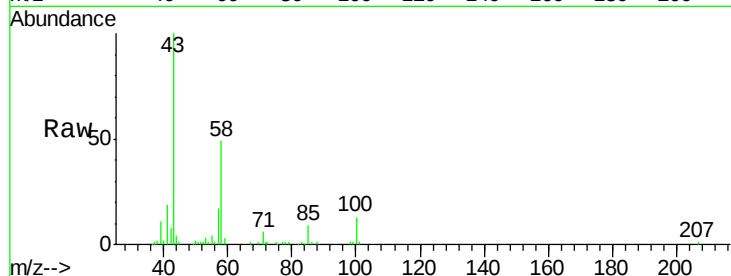




#59
2-Hexanone
Concen: 21.96 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW002524.D
Acq: 14 May 2018 20:51

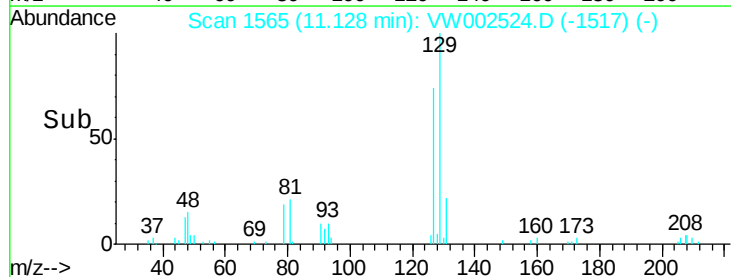
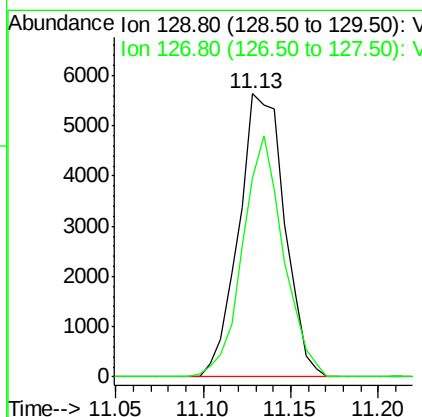
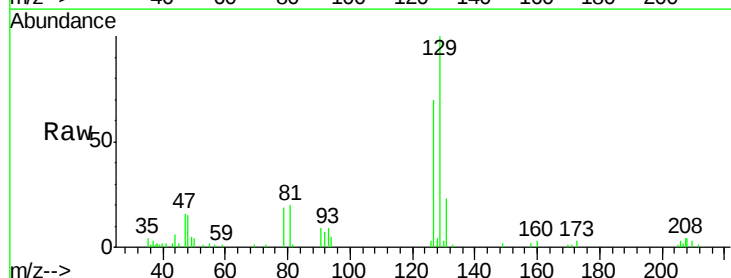
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

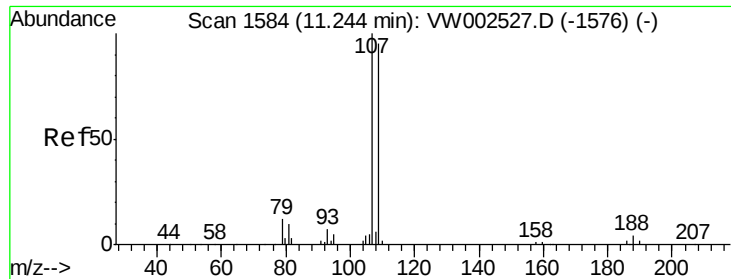
Tgt Ion: 43 Resp: 24362
Ion Ratio Lower Upper
43 100
58 50.3 26.3 78.8



#60
Dibromochloromethane
Concen: 4.79 ug/l
RT: 11.13 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VW002524.D
Acq: 14 May 2018 20:51

Tgt Ion: 129 Resp: 10258
Ion Ratio Lower Upper
129 100
127 76.2 38.6 115.7

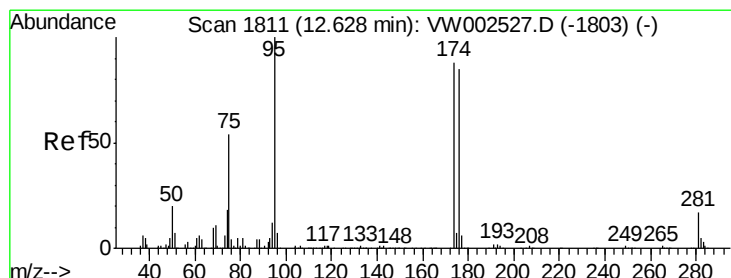
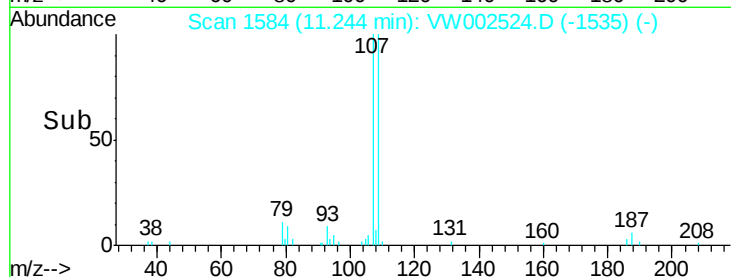
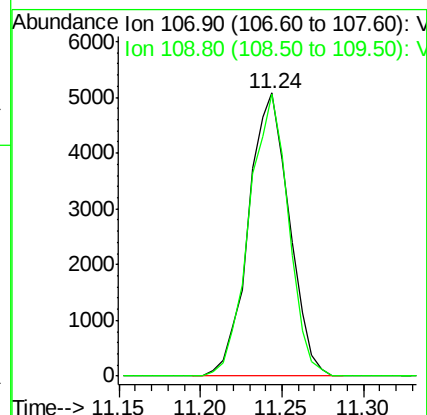
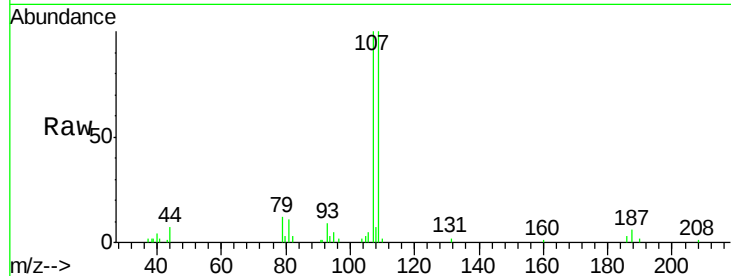




#61
 1,2-Dibromoethane
 Concen: 5.00 ug/l
 RT: 11.24 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VW002524.D
 Acq: 14 May 2018 20:51

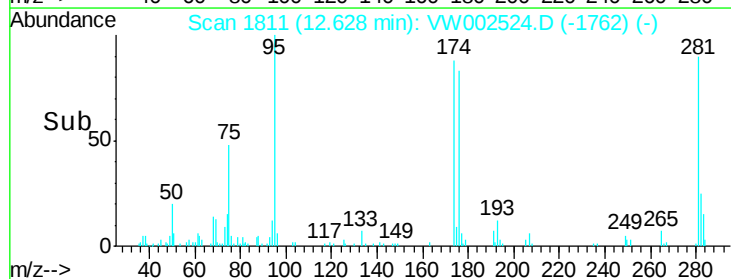
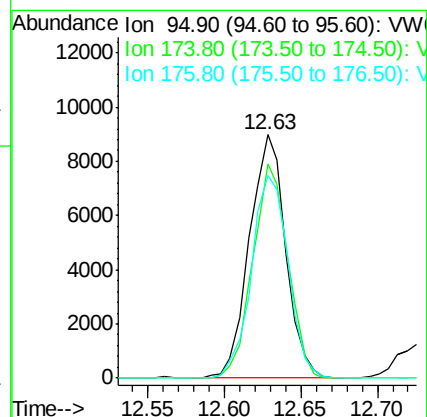
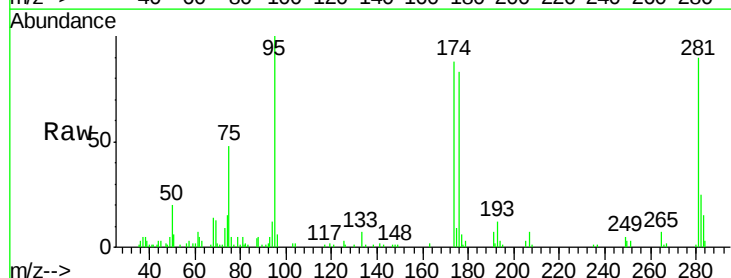
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

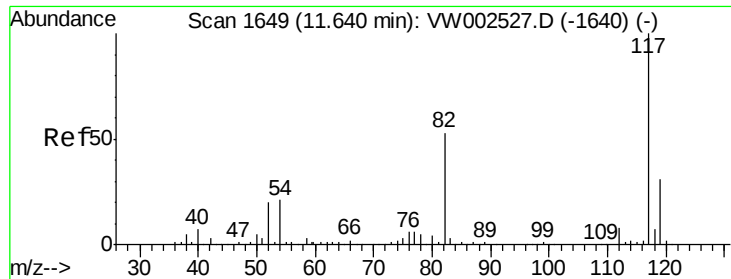
Tgt Ion: 107 Resp: 8843
 Ion Ratio Lower Upper
 107 100
 109 95.5 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 4.84 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW002524.D
 Acq: 14 May 2018 20:51

Tgt Ion: 95 Resp: 14782
 Ion Ratio Lower Upper
 95 100
 174 85.2 0.0 176.6
 176 84.3 0.0 172.2

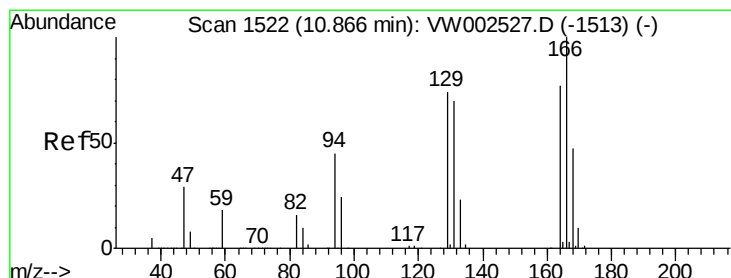
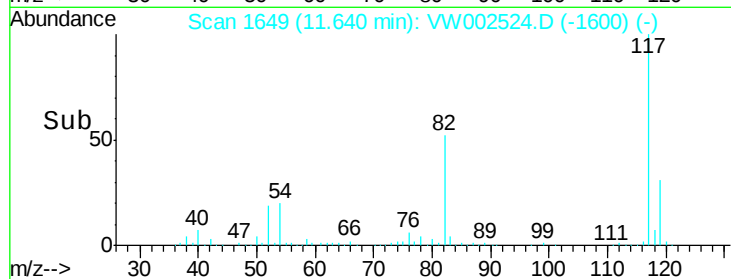
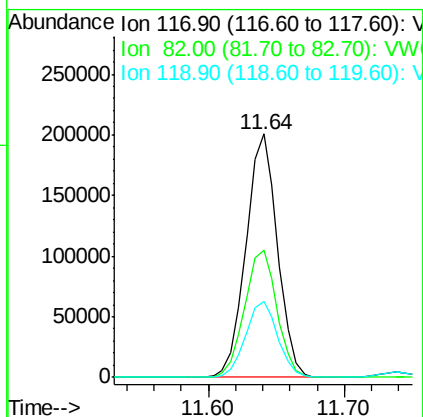
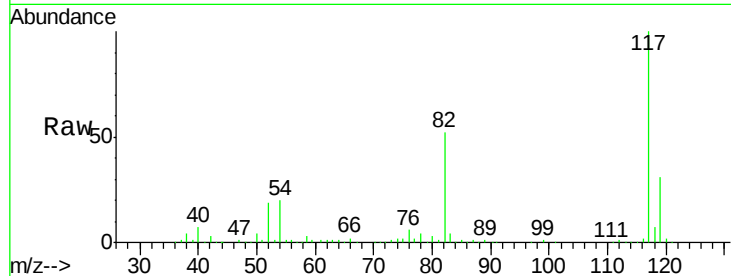




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VW002524.D
Acq: 14 May 2018 20:51

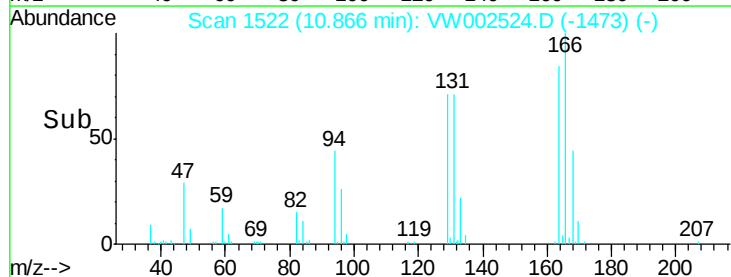
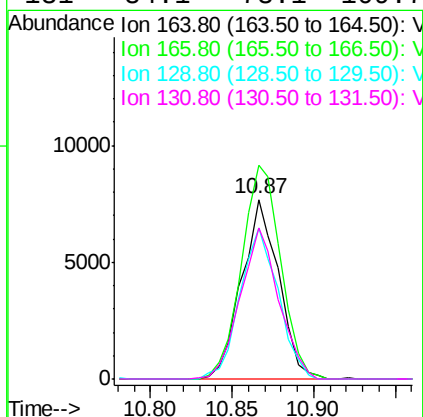
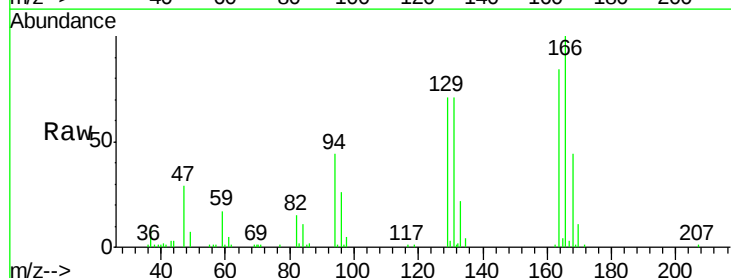
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

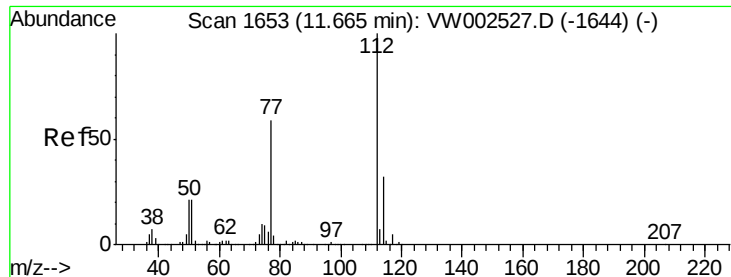
Tgt Ion:117 Resp: 324940
Ion Ratio Lower Upper
117 100
82 52.3 42.6 64.0
119 31.0 25.0 37.6



#64
Tetrachloroethene
Concen: 4.93 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW002524.D
Acq: 14 May 2018 20:51

Tgt Ion:164 Resp: 12152
Ion Ratio Lower Upper
164 100
166 119.1 104.2 156.2
129 84.0 77.0 115.4
131 84.1 73.1 109.7





#65

Chlorobenzene

Concen: 5.11 ug/l

RT: 11.66 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VW002524.D

Acq: 14 May 2018 20:51

Instrument :

MSVOA_W

ClientSampleId :

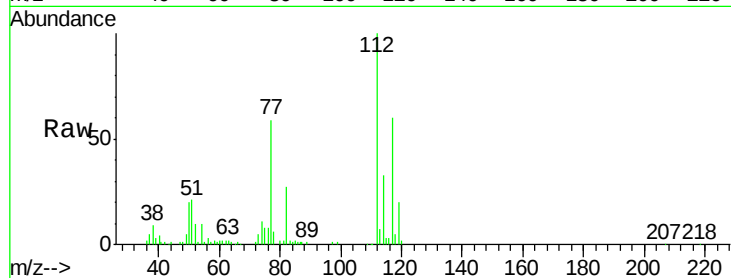
VSTDIC005

Tgt Ion:112 Resp: 33774

Ion Ratio Lower Upper

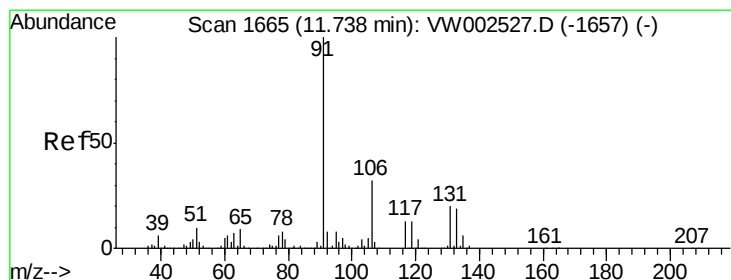
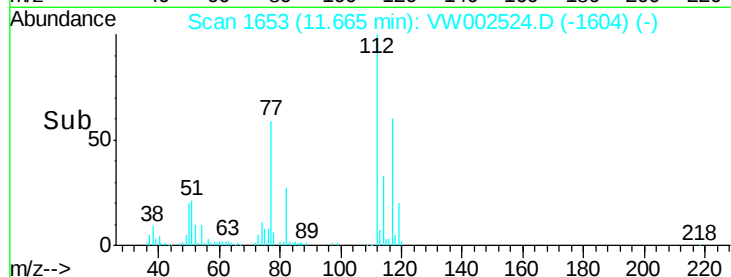
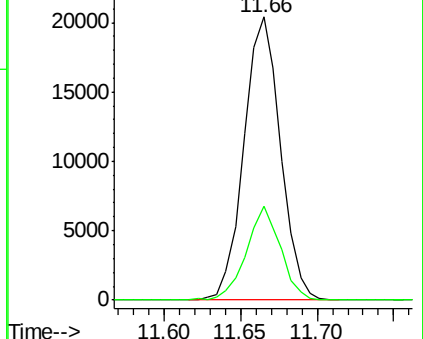
112 100

114 33.1 25.3 37.9



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: 4.72 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW002524.D

Acq: 14 May 2018 20:51

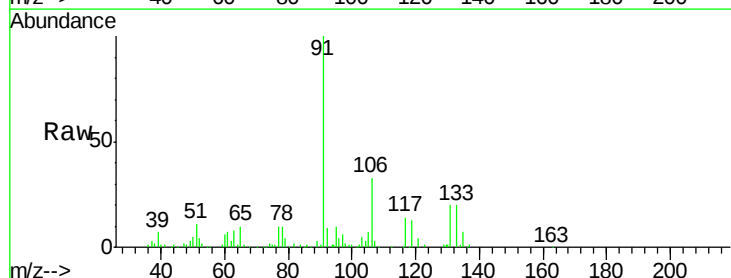
Tgt Ion:131 Resp: 11147

Ion Ratio Lower Upper

131 100

133 98.7 48.4 145.3

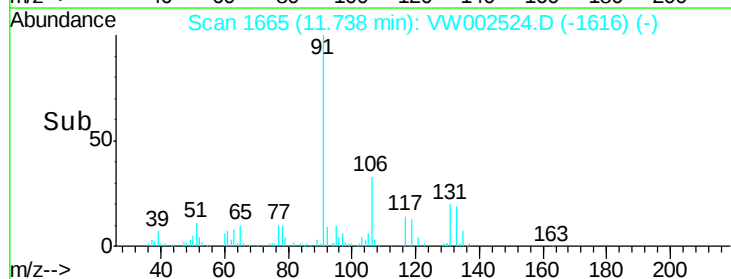
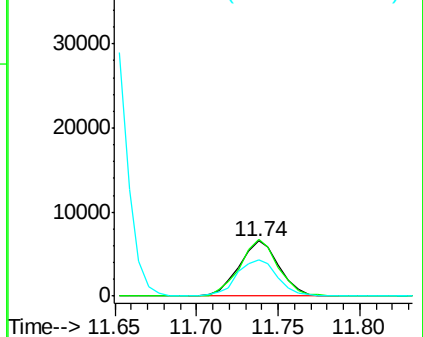
119 67.0 32.2 96.6

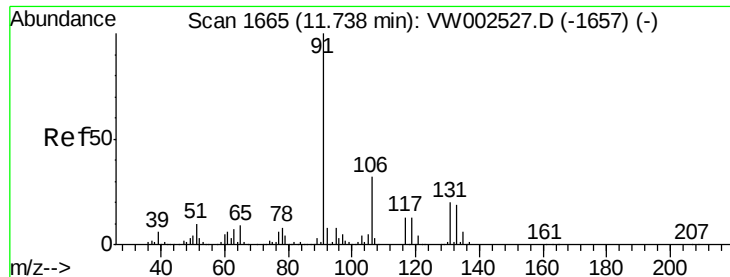


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

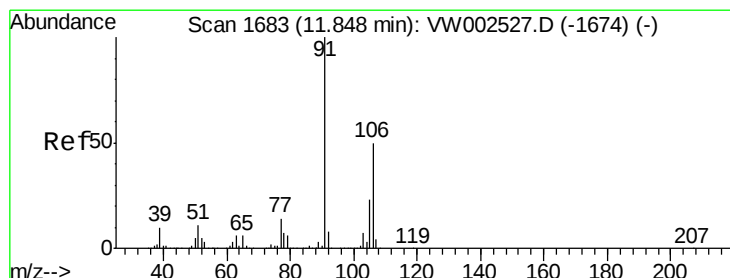
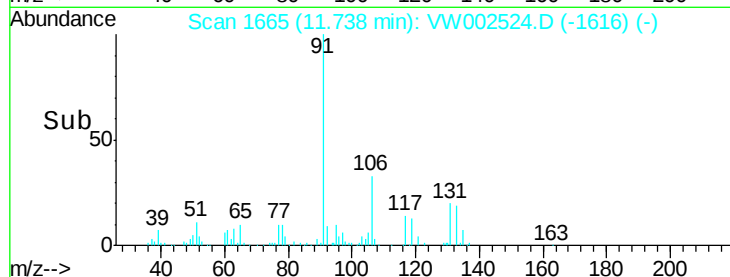
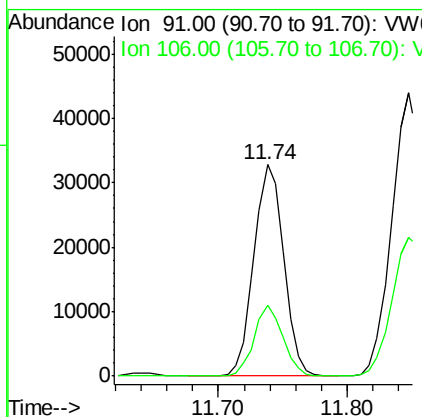
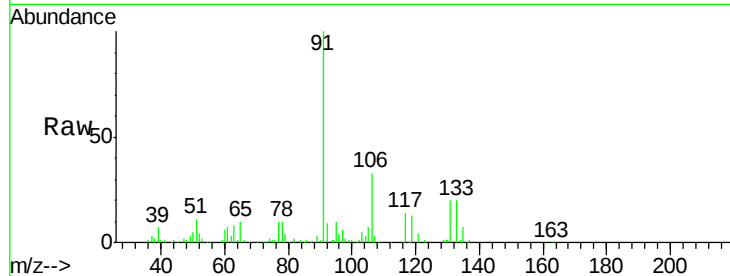




#67
Ethyl Benzene
Concen: 4.62 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW002524.D
Acq: 14 May 2018 20:51

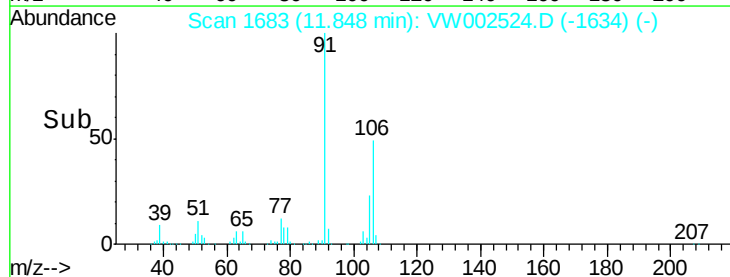
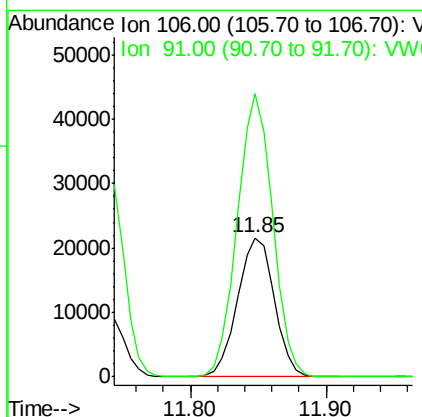
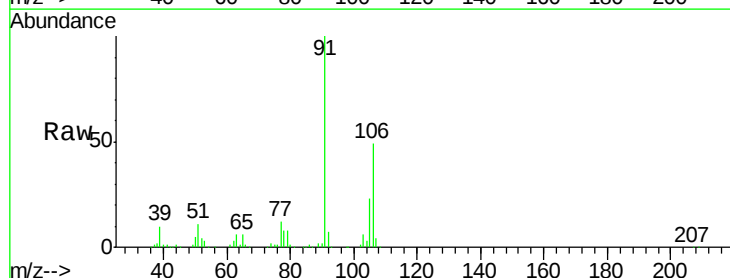
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

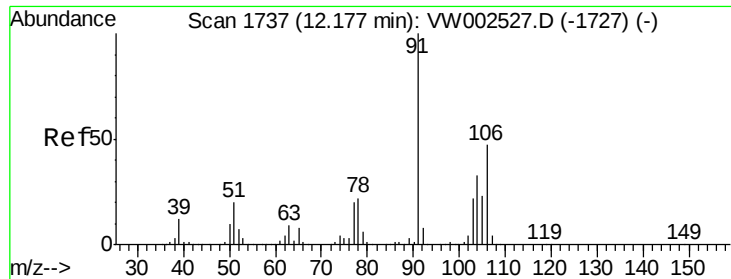
Tgt Ion: 91 Resp: 52526
Ion Ratio Lower Upper
91 100
106 33.3 25.4 38.0



#68
m/p-Xylenes
Concen: 9.27 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW002524.D
Acq: 14 May 2018 20:51

Tgt Ion: 106 Resp: 40675
Ion Ratio Lower Upper
106 100
91 196.4 161.4 242.2

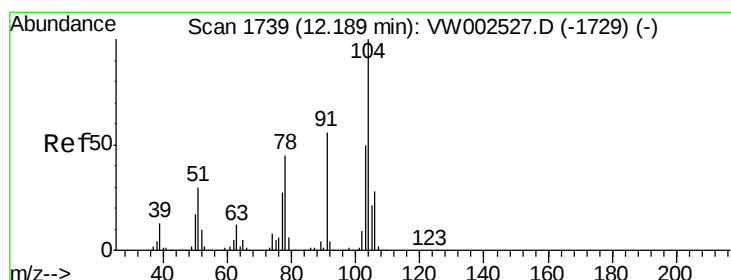
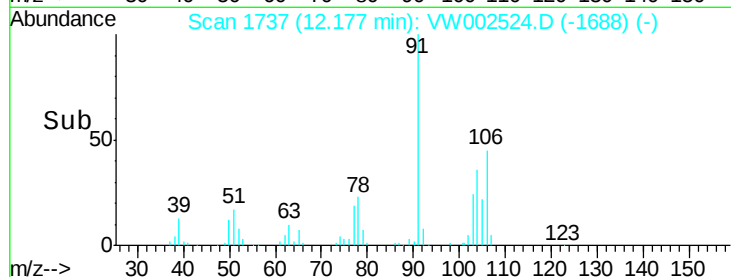
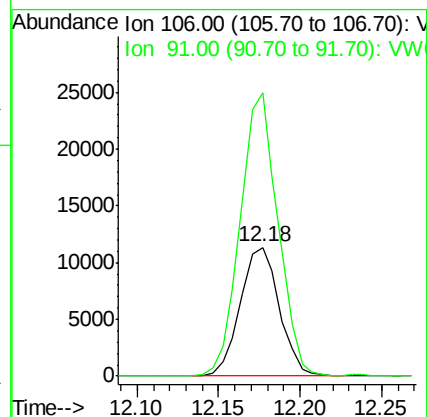
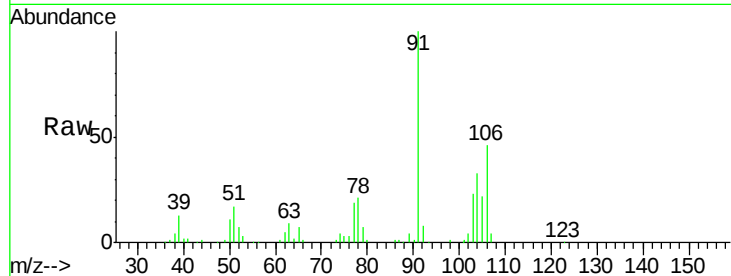




#69
o-Xylene
Concen: 4.53 ug/l
RT: 12.18 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VW002524.D
Acq: 14 May 2018 20:51

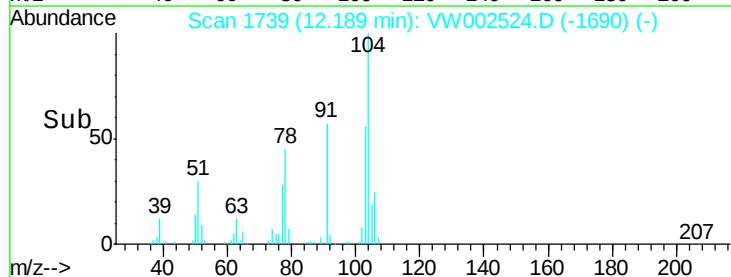
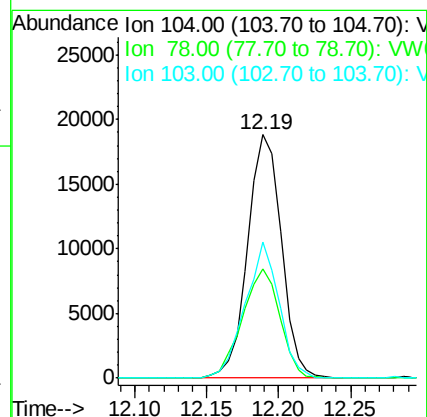
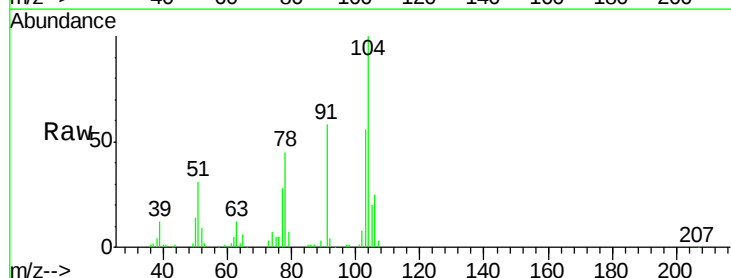
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

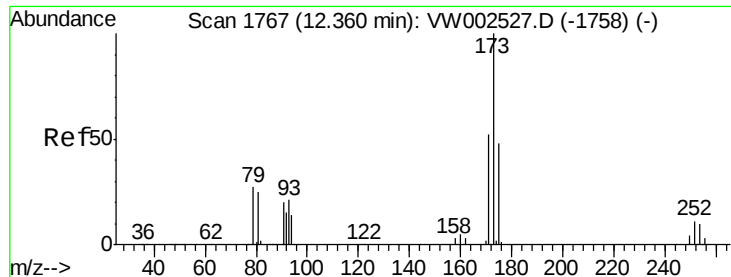
Tgt Ion:106 Resp: 18894
Ion Ratio Lower Upper
106 100
91 212.7 106.7 320.2



#70
Styrene
Concen: 4.41 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW002524.D
Acq: 14 May 2018 20:51

Tgt Ion:104 Resp: 30541
Ion Ratio Lower Upper
104 100
78 49.7 40.1 60.1
103 56.5 44.6 66.8

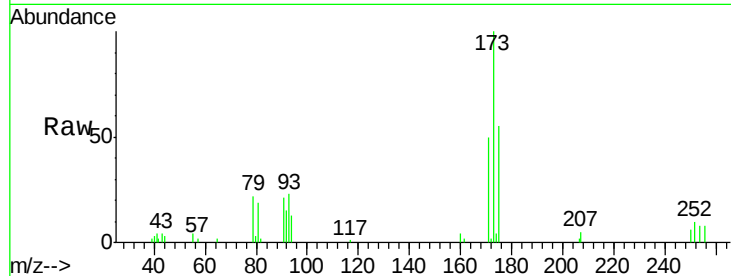




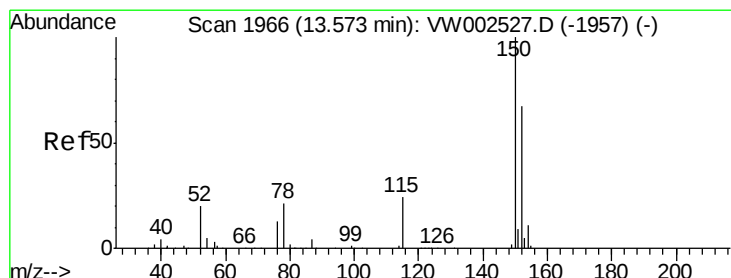
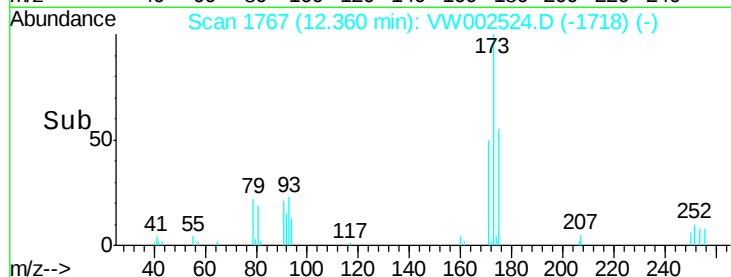
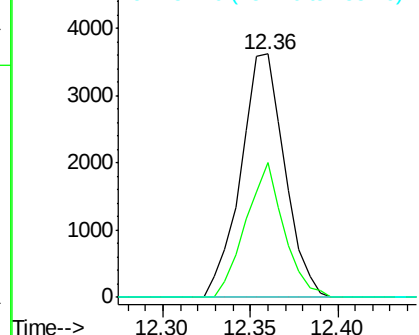
#71
Bromoform
Concen: 4.64 ug/l
RT: 12.36 min Scan# 1767
Delta R.T. 0.00 min
Lab File: VW002524.D
Acq: 14 May 2018 20:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion:173 Resp: 6330
Ion Ratio Lower Upper
173 100
175 48.2 24.5 73.5
254 0.0 0.1 0.1#

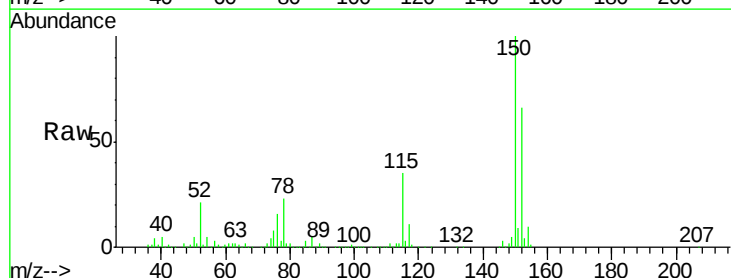


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

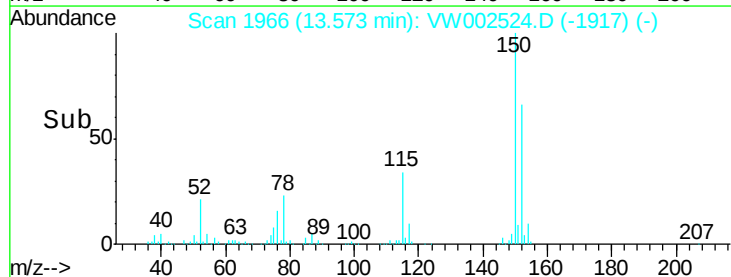
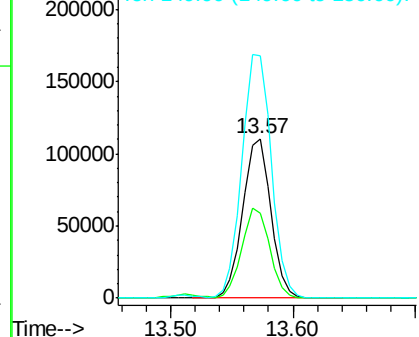


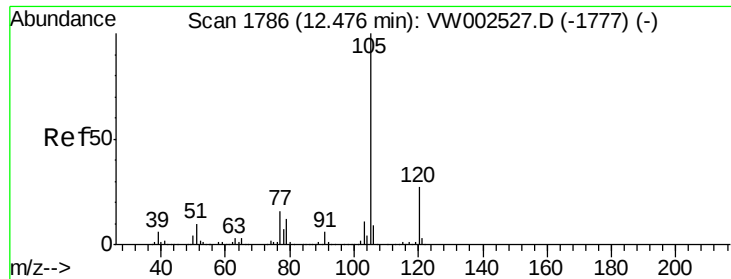
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1966
Delta R.T. 0.00 min
Lab File: VW002524.D
Acq: 14 May 2018 20:51

Tgt Ion:152 Resp: 176150
Ion Ratio Lower Upper
152 100
115 55.8 28.0 84.0
150 160.0 0.0 345.4



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: 4.41 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. 0.00 min

Lab File: VW002524.D

Acq: 14 May 2018 20:51

Instrument :

MSVOA_W

ClientSampleId :

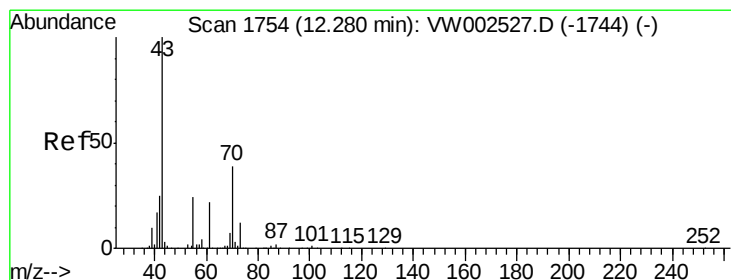
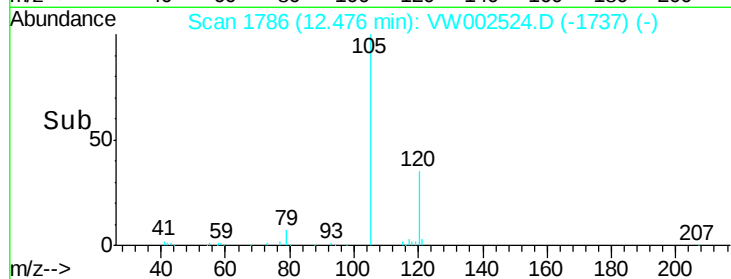
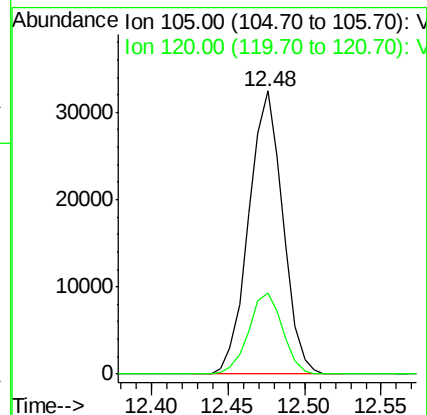
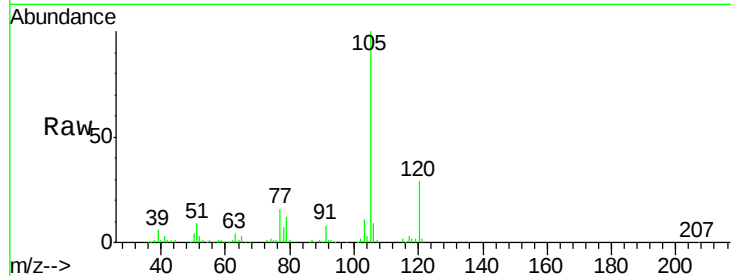
VSTDIC005

Tgt Ion: 105 Resp: 50304

Ion Ratio Lower Upper

105 100

120 28.4 13.4 40.2



#74

N-ethyl acetate

Concen: 4.10 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW002524.D

Acq: 14 May 2018 20:51

Tgt Ion: 43 Resp: 11790

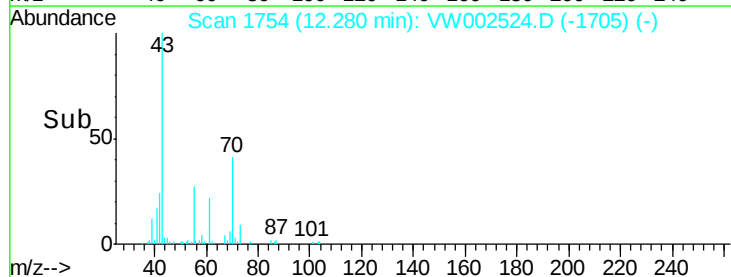
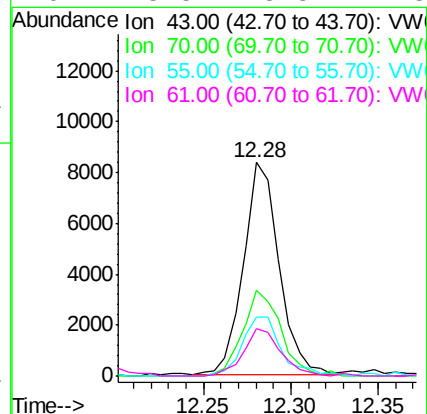
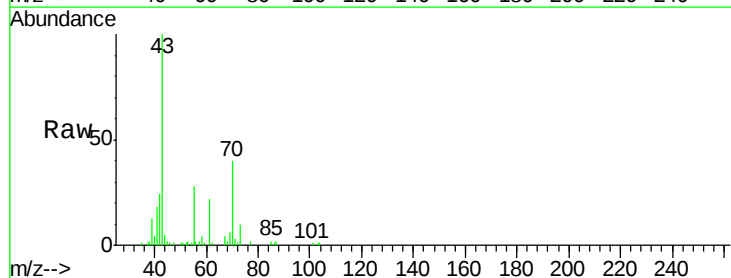
Ion Ratio Lower Upper

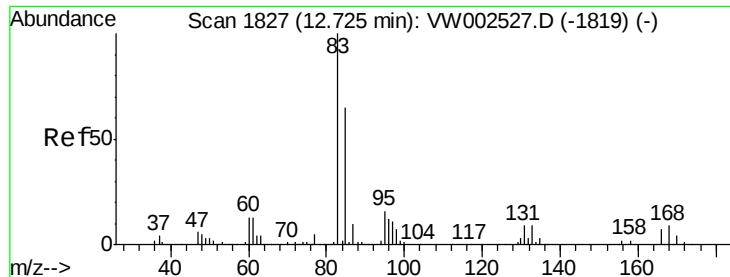
43 100

70 43.4 31.9 47.9

55 30.7 19.4 29.0#

61 23.5 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 4.96 ug/l

RT: 12.73 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VW002524.D

Acq: 14 May 2018 20:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

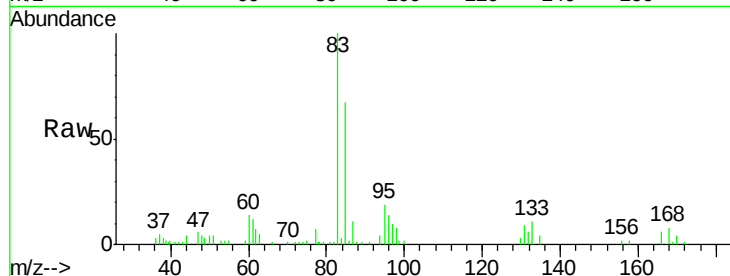
Tgt Ion: 83 Resp: 11052

Ion Ratio Lower Upper

83 100

131 10.5 5.4 16.2

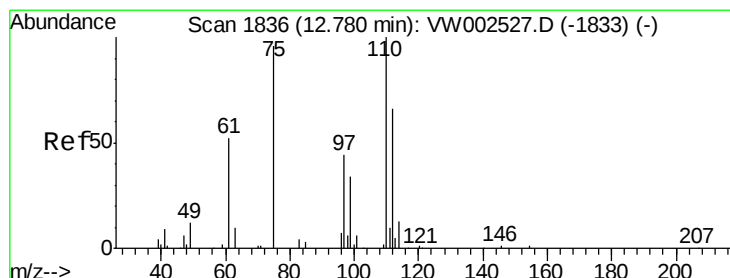
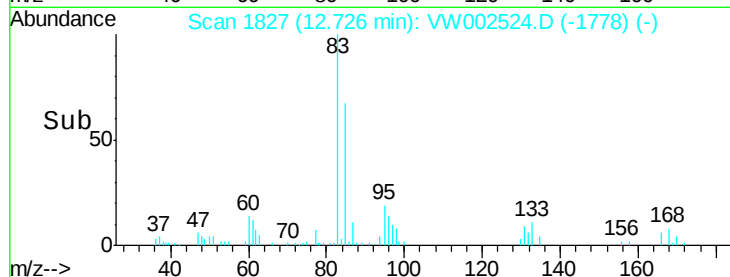
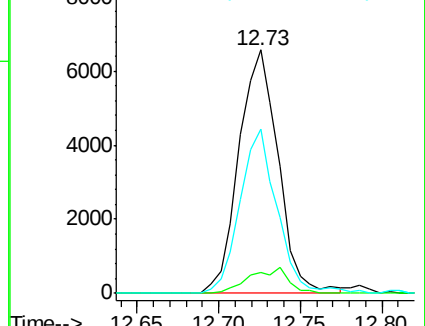
85 64.0 31.6 94.8



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 8.33 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. -0.01 min

Lab File: VW002524.D

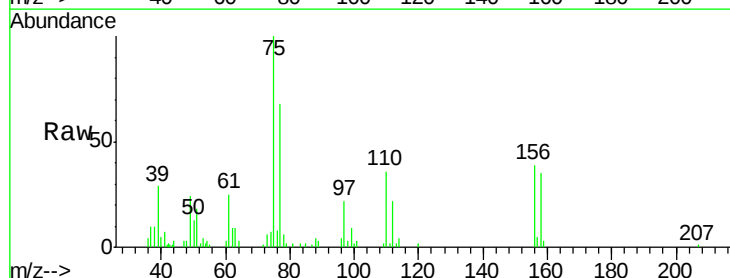
Acq: 14 May 2018 20:51

Tgt Ion: 75 Resp: 13568

Ion Ratio Lower Upper

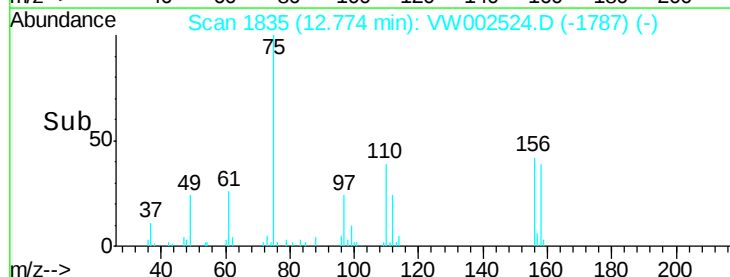
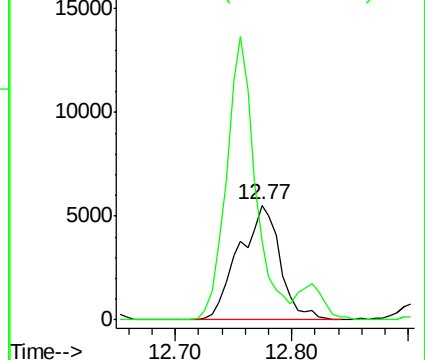
75 100

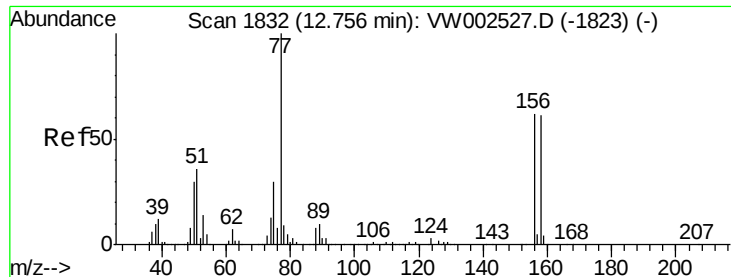
77 174.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 4.86 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VW002524.D

Acq: 14 May 2018 20:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

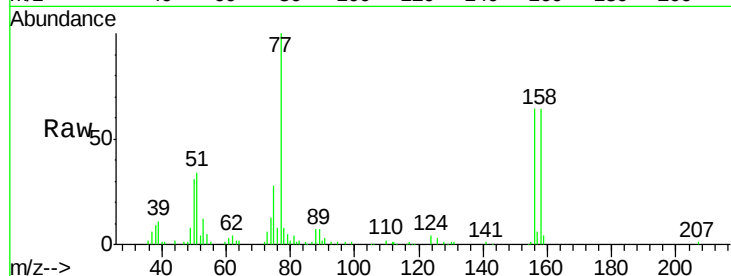
Tgt Ion:156 Resp: 13976

Ion Ratio Lower Upper

156 100

77 169.0 89.8 269.4

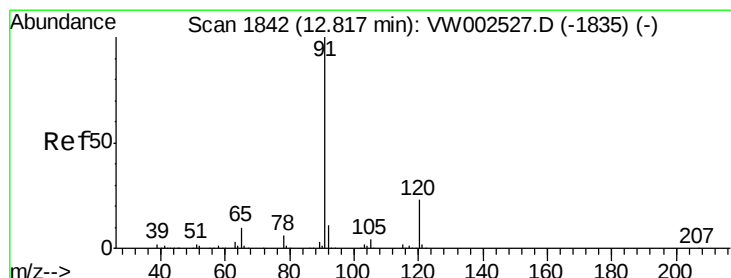
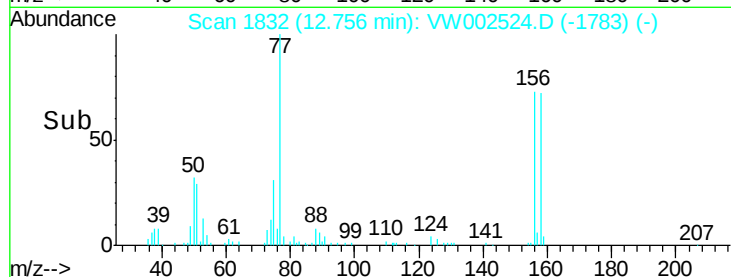
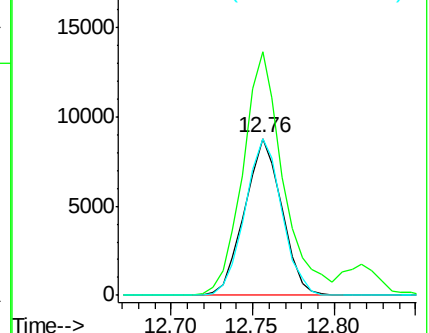
158 99.3 48.8 146.3



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: 4.55 ug/l

RT: 12.82 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VW002524.D

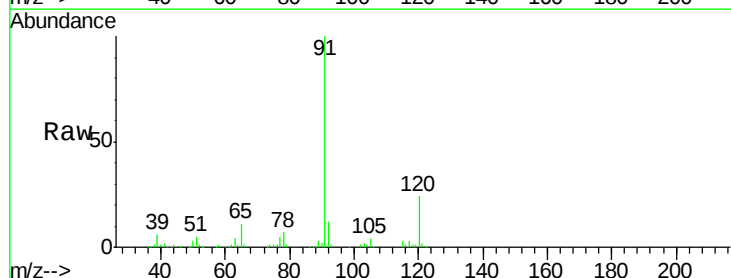
Acq: 14 May 2018 20:51

Tgt Ion: 91 Resp: 61528

Ion Ratio Lower Upper

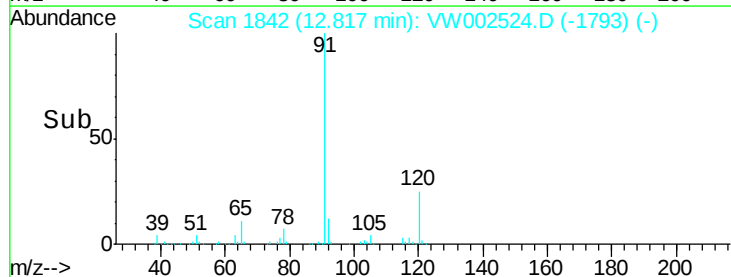
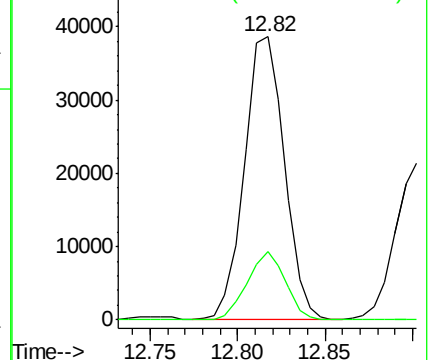
91 100

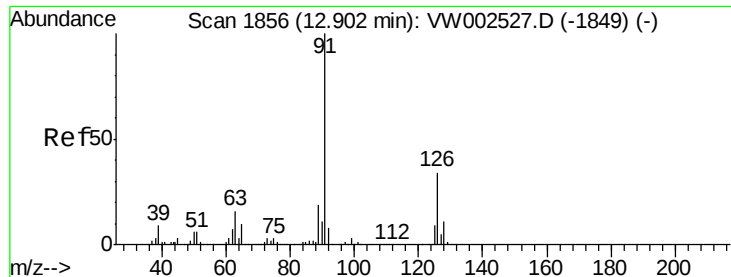
120 23.2 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

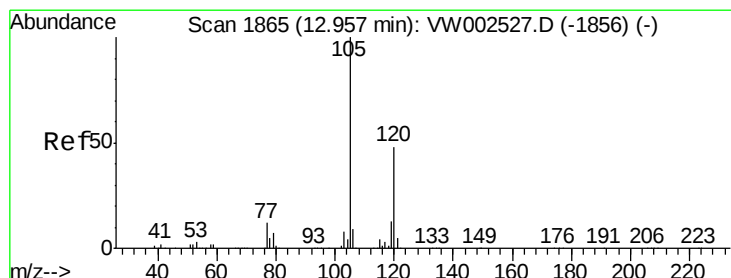
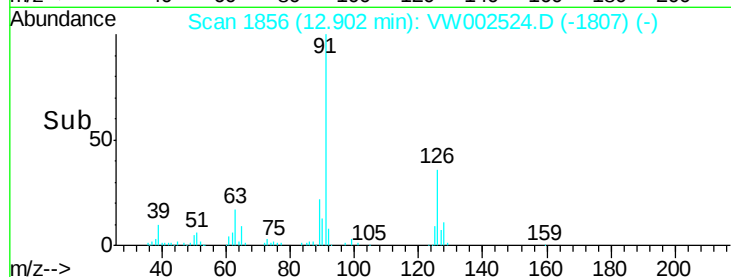
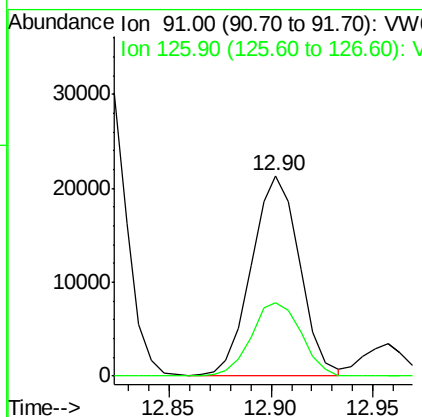
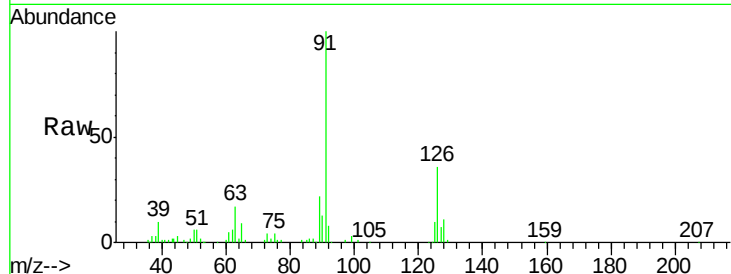




#79
 2-Chlorotoluene
 Concen: 4.53 ug/l
 RT: 12.90 min Scan# 1856
 Delta R.T. 0.00 min
 Lab File: VW002524.D
 Acq: 14 May 2018 20:51

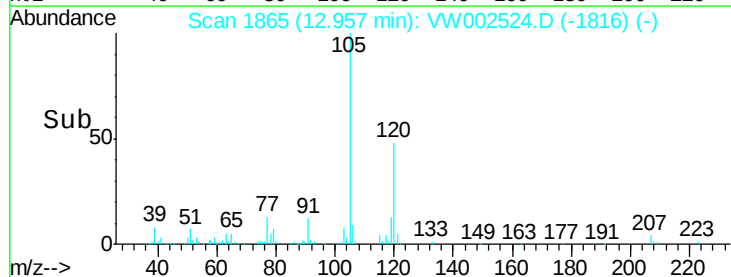
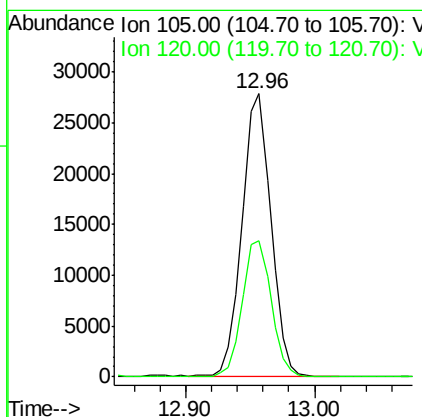
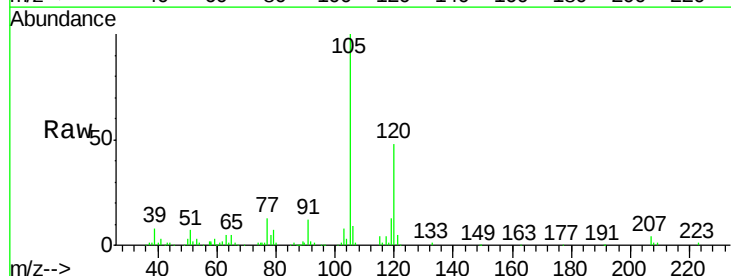
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

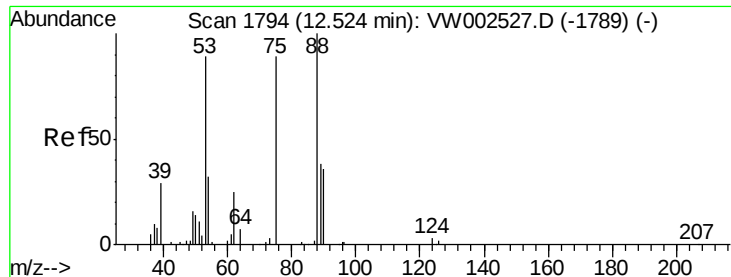
Tgt Ion: 91 Resp: 35171
 Ion Ratio Lower Upper
 91 100
 126 37.8 17.6 52.8



#80
 1,3,5-Trimethylbenzene
 Concen: 4.50 ug/l
 RT: 12.96 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VW002524.D
 Acq: 14 May 2018 20:51

Tgt Ion: 105 Resp: 43219
 Ion Ratio Lower Upper
 105 100
 120 48.0 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 4.60 ug/l

RT: 12.52 min Scan# 1794

Delta R.T. 0.00 min

Lab File: VW002524.D

Acq: 14 May 2018 20:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

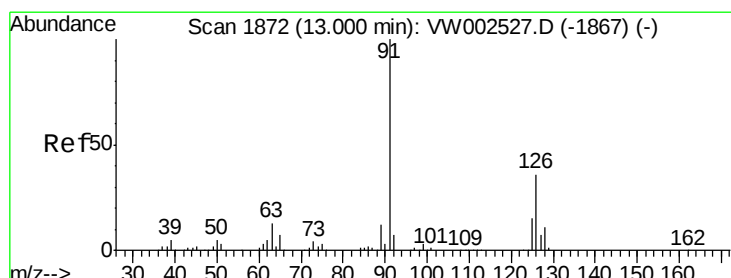
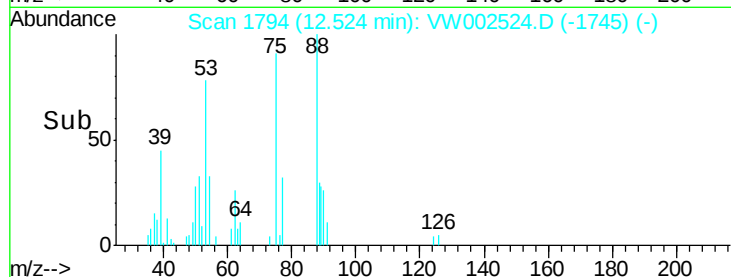
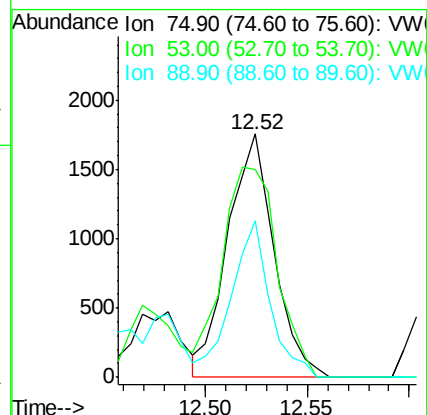
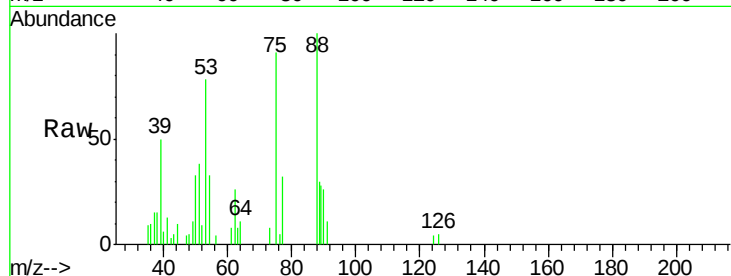
Tgt Ion: 75 Resp: 2757

Ion Ratio Lower Upper

75 100

53 102.4 82.6 124.0

89 54.0 39.2 58.8



#82

4-Chlorotoluene

Concen: 4.69 ug/l

RT: 13.00 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VW002524.D

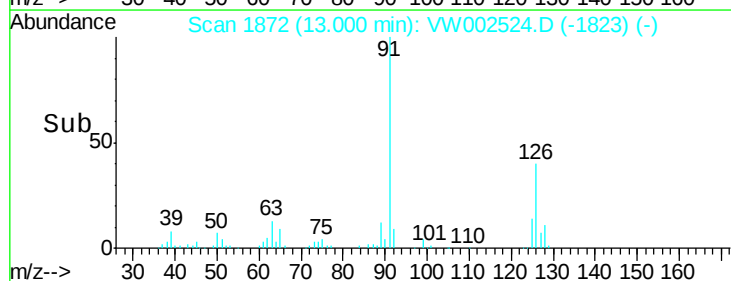
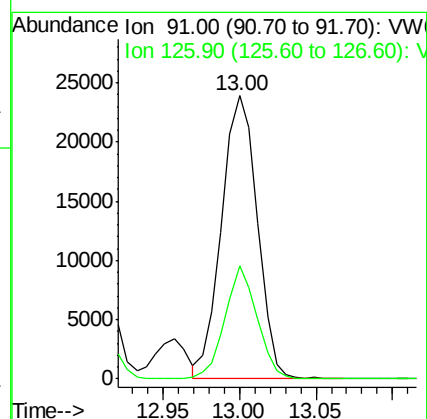
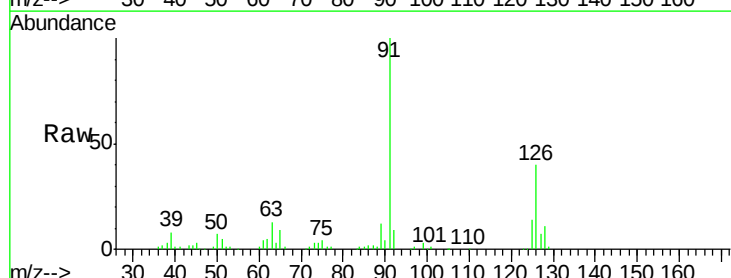
Acq: 14 May 2018 20:51

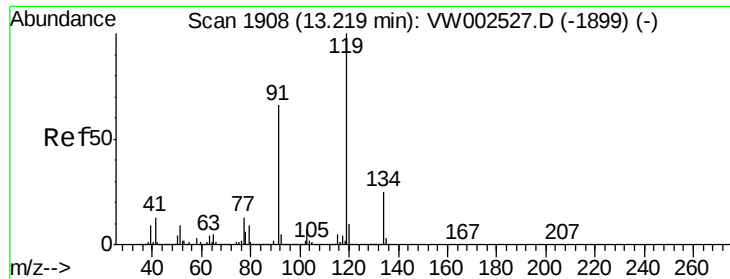
Tgt Ion: 91 Resp: 38819

Ion Ratio Lower Upper

91 100

126 35.7 17.5 52.5

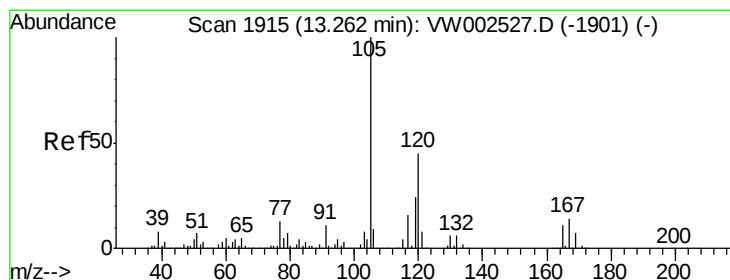
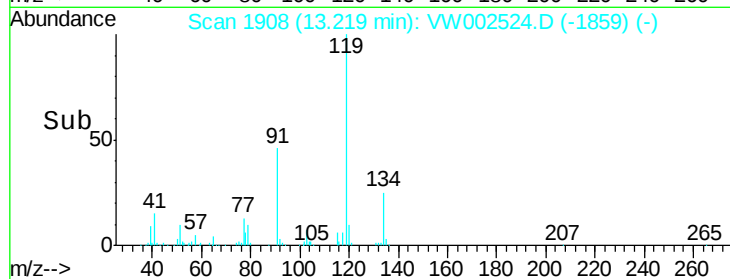
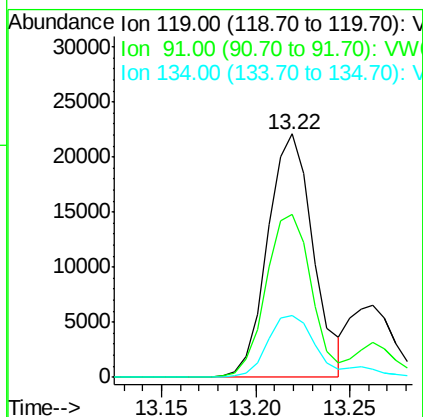
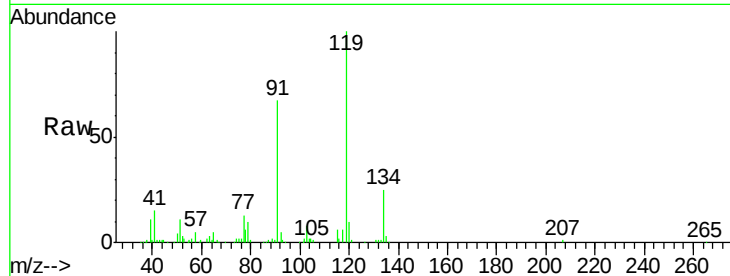




#83
 tert-Butylbenzene
 Concen: 4.49 ug/l
 RT: 13.22 min Scan# 1908
 Delta R.T. 0.00 min
 Lab File: VW002524.D
 Acq: 14 May 2018 20:51

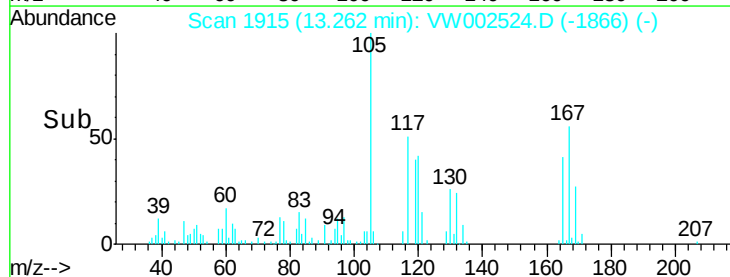
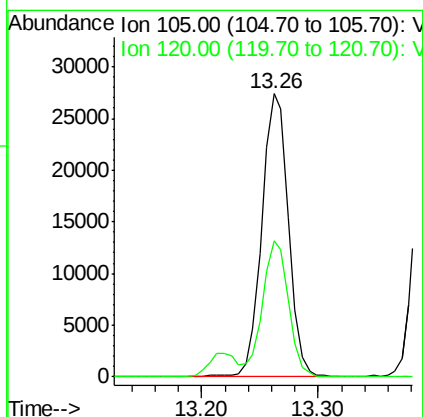
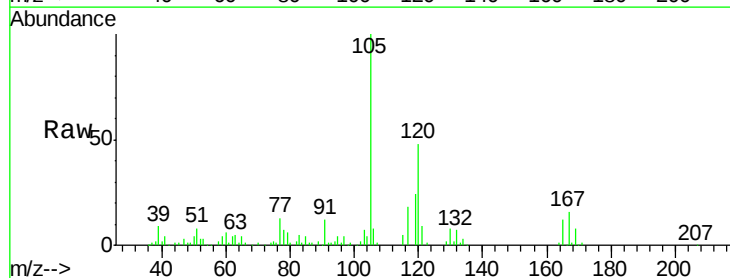
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

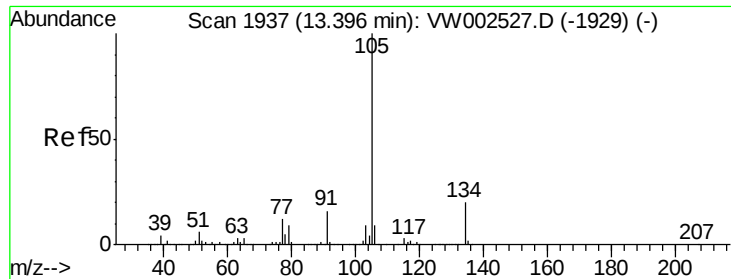
Tgt Ion:119 Resp: 36999
 Ion Ratio Lower Upper
 119 100
 91 67.2 32.5 97.5
 134 29.2 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 4.39 ug/l
 RT: 13.26 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW002524.D
 Acq: 14 May 2018 20:51

Tgt Ion:105 Resp: 43669
 Ion Ratio Lower Upper
 105 100
 120 47.5 22.3 66.9

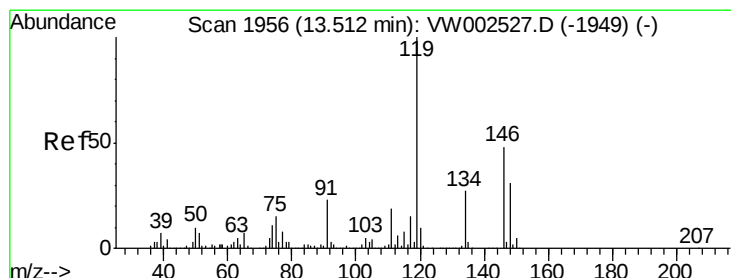
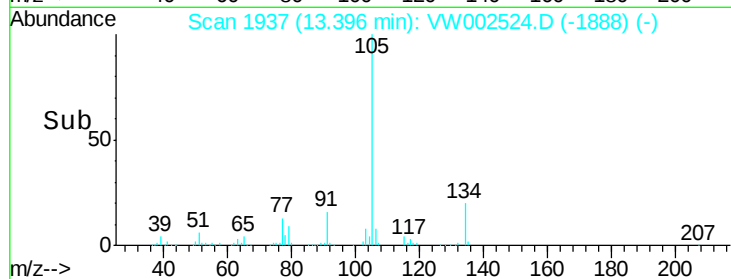
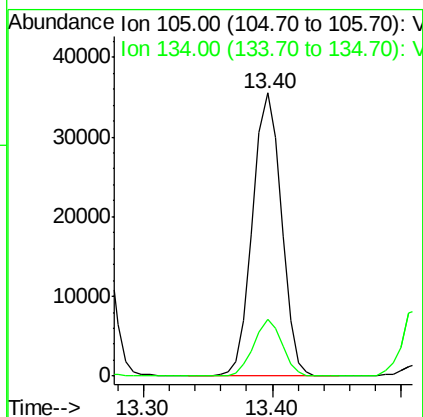
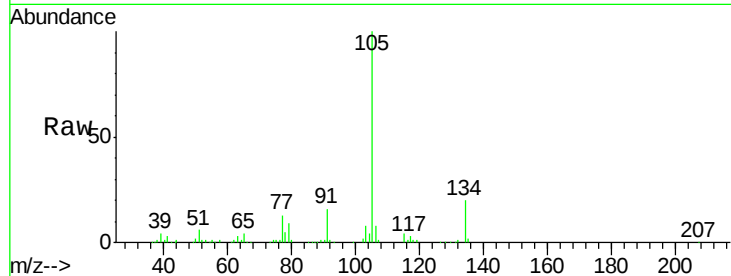




#85
 sec-Butylbenzene
 Concen: 4.65 ug/l
 RT: 13.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VW002524.D
 Acq: 14 May 2018 20:51

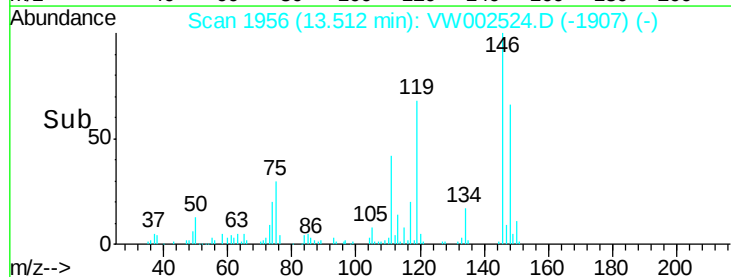
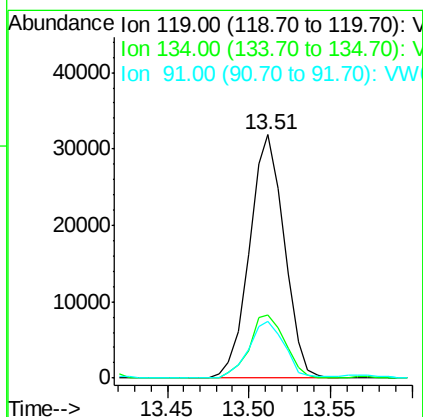
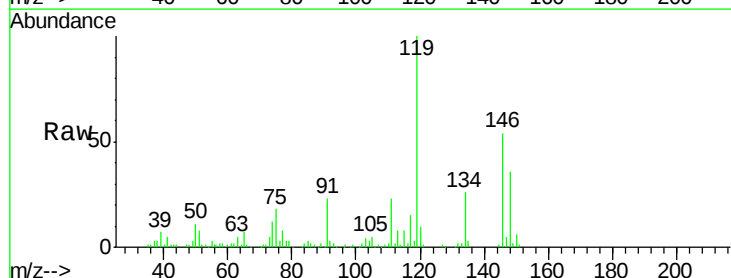
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

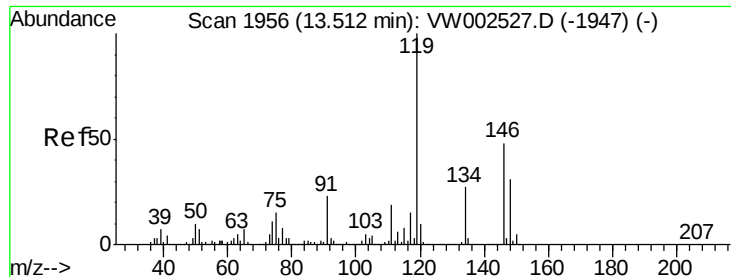
Tgt Ion:105 Resp: 54965
 Ion Ratio Lower Upper
 105 100
 134 19.8 10.1 30.3



#86
 p-Isopropyltoluene
 Concen: 4.48 ug/l
 RT: 13.51 min Scan# 1956
 Delta R.T. 0.00 min
 Lab File: VW002524.D
 Acq: 14 May 2018 20:51

Tgt Ion:119 Resp: 47383
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.4 40.1
 91 24.2 11.6 34.8

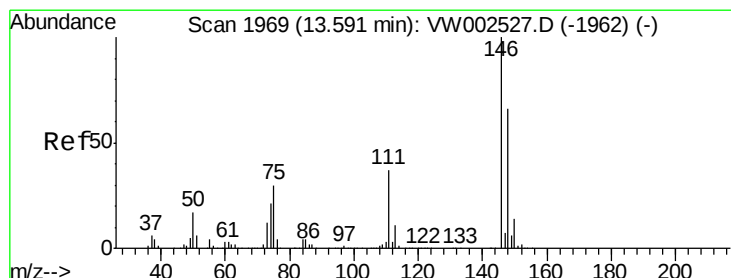
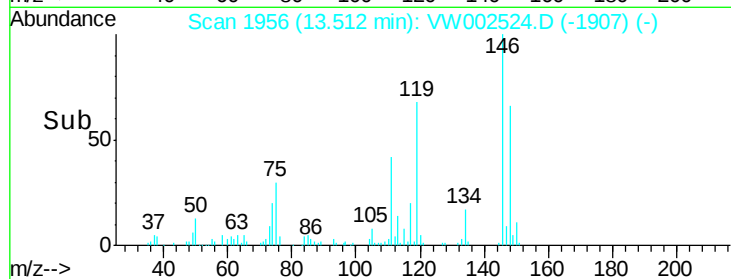
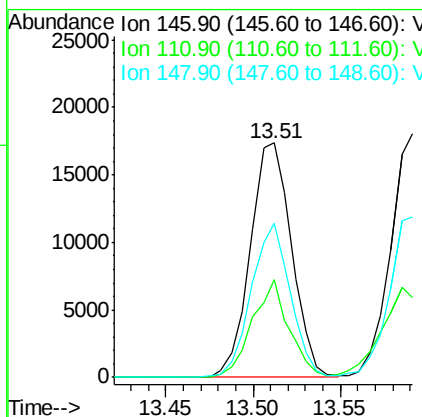
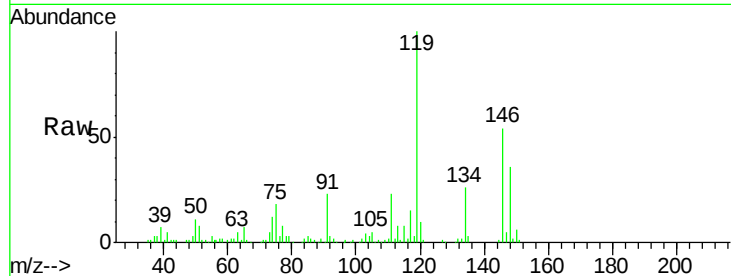




#87
 1,3-Dichlorobenzene
 Concen: 5.01 ug/l
 RT: 13.51 min Scan# 1956
 Delta R.T. 0.00 min
 Lab File: VW002524.D
 Acq: 14 May 2018 20:51

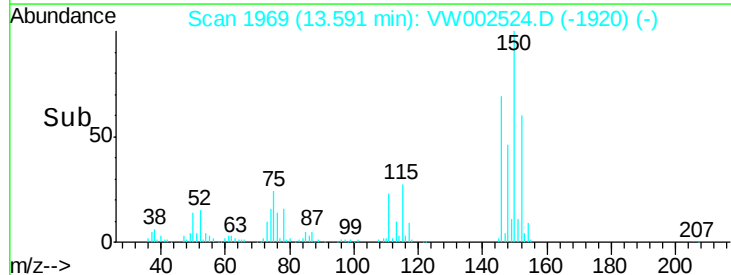
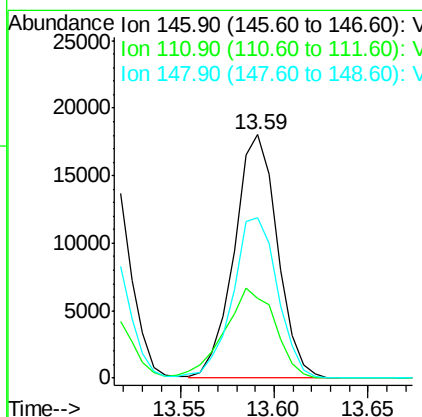
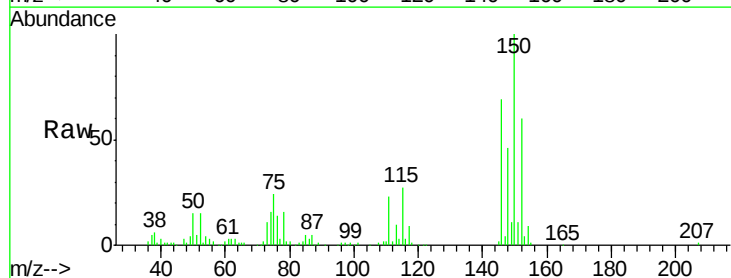
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

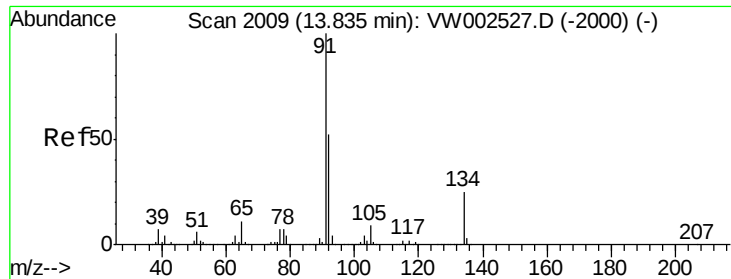
Tgt Ion:146 Resp: 28523
 Ion Ratio Lower Upper
 146 100
 111 37.2 19.6 58.7
 148 62.2 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 5.03 ug/l
 RT: 13.59 min Scan# 1969
 Delta R.T. 0.00 min
 Lab File: VW002524.D
 Acq: 14 May 2018 20:51

Tgt Ion:146 Resp: 28625
 Ion Ratio Lower Upper
 146 100
 111 43.4 18.9 56.5
 148 69.0 32.4 97.0





#89

n-Butylbenzene

Concen: 4.70 ug/l

RT: 13.84 min Scan# 2009

Delta R.T. 0.00 min

Lab File: VW002524.D

Acq: 14 May 2018 20:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

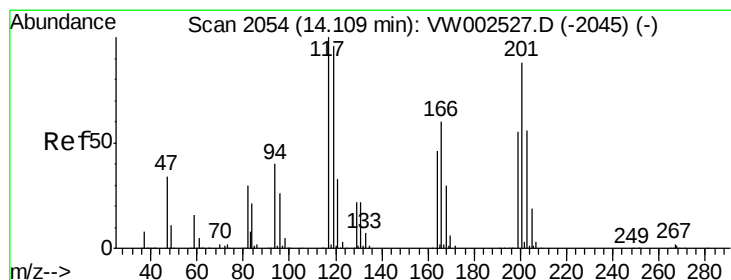
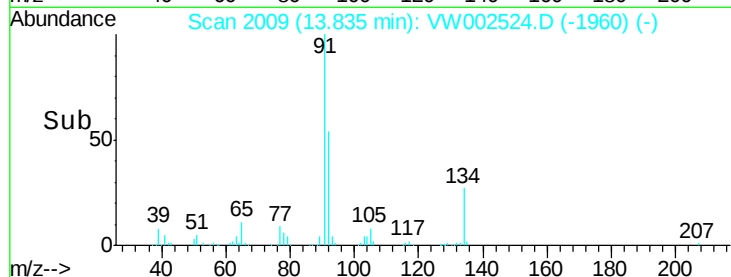
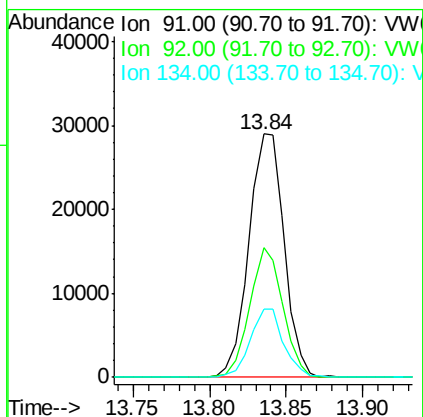
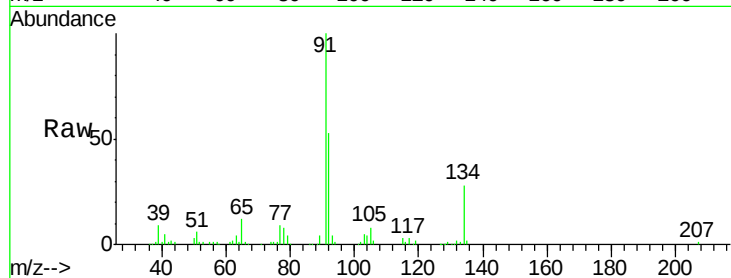
Tgt Ion: 91 Resp: 46566

Ion Ratio Lower Upper

91 100

92 49.6 26.1 78.2

134 26.5 13.1 39.1



#90

Hexachloroethane

Concen: 4.82 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. -0.01 min

Lab File: VW002524.D

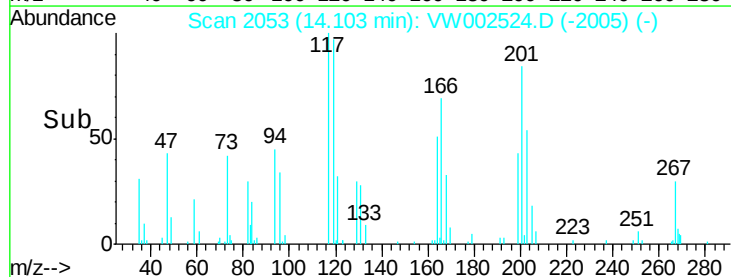
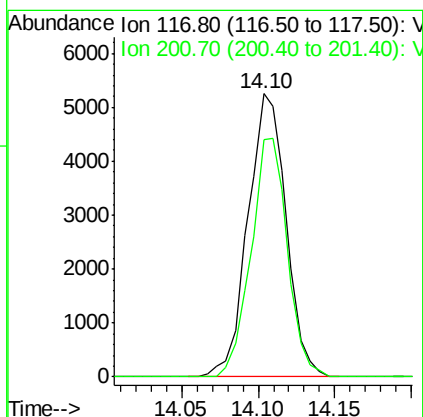
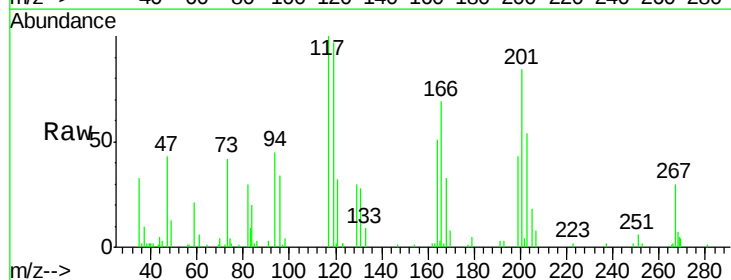
Acq: 14 May 2018 20:51

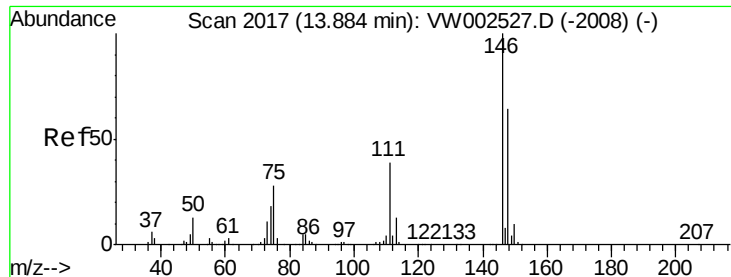
Tgt Ion: 117 Resp: 9117

Ion Ratio Lower Upper

117 100

201 80.2 42.0 126.0

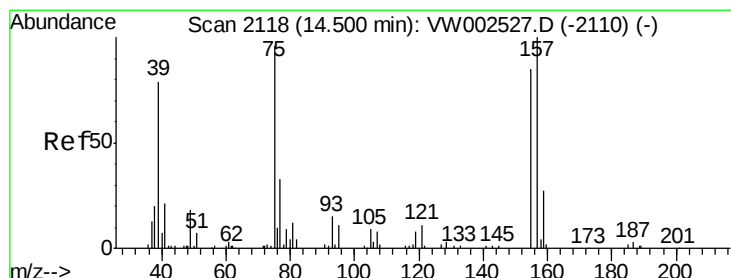
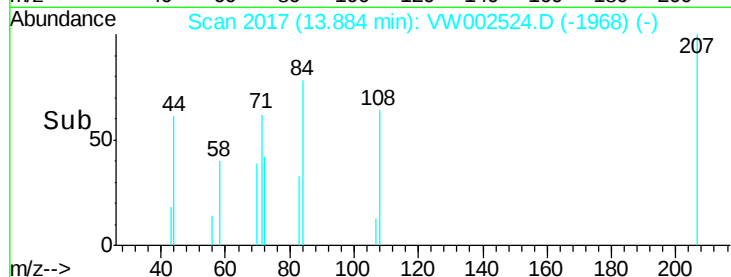
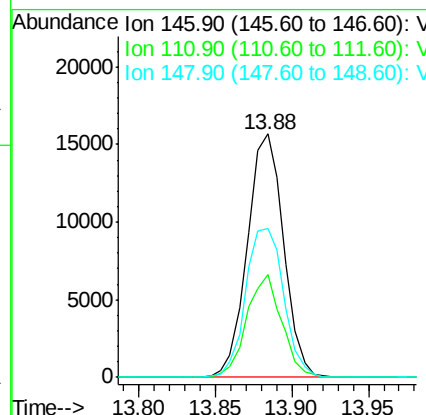
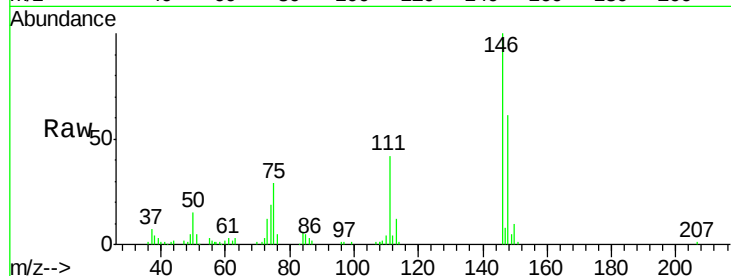




#91
 1,2-Dichlorobenzene
 Concen: 4.98 ug/l
 RT: 13.88 min Scan# 2017
 Delta R.T. 0.00 min
 Lab File: VW002524.D
 Acq: 14 May 2018 20:51

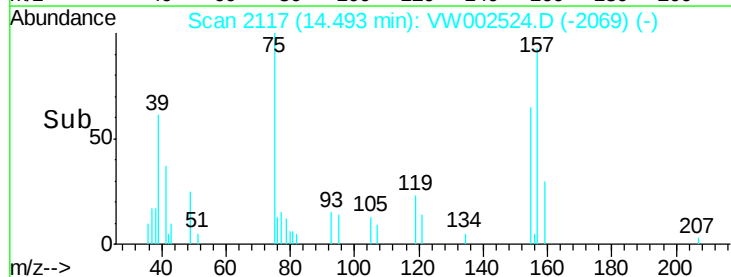
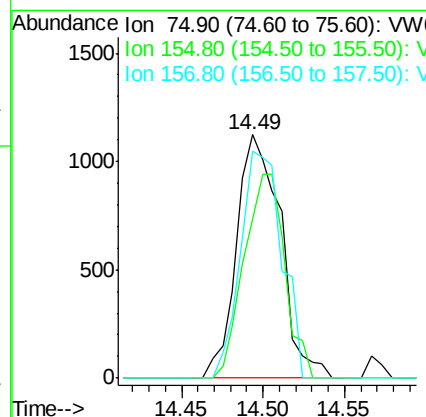
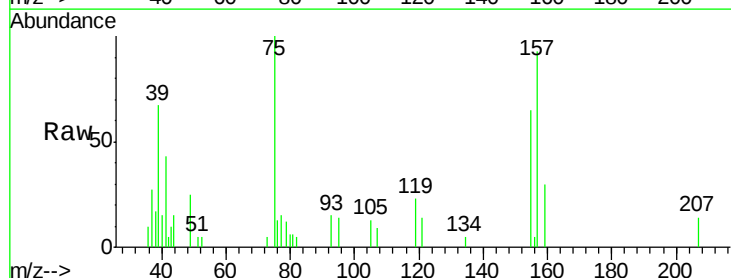
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

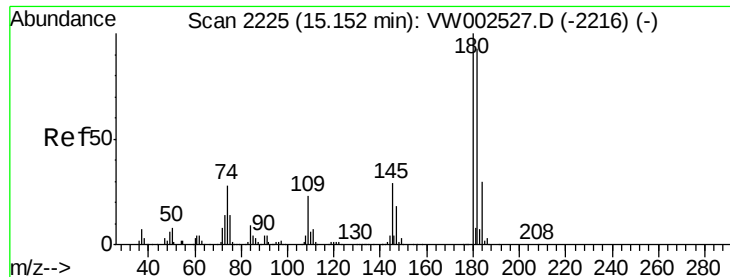
Tgt Ion: 146 Resp: 25808
 Ion Ratio Lower Upper
 146 100
 111 40.8 19.9 59.6
 148 64.3 32.1 96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.45 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. -0.01 min
 Lab File: VW002524.D
 Acq: 14 May 2018 20:51

Tgt Ion: 75 Resp: 2100
 Ion Ratio Lower Upper
 75 100
 155 77.5 42.8 128.4
 157 88.1 57.4 172.0

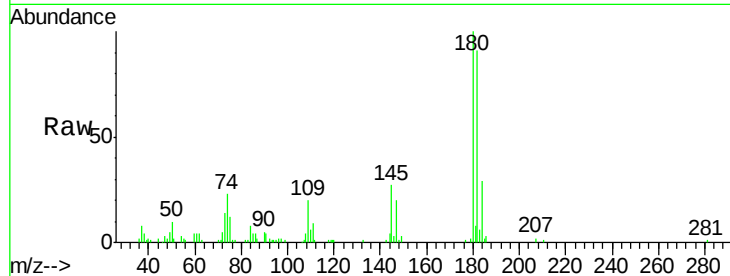




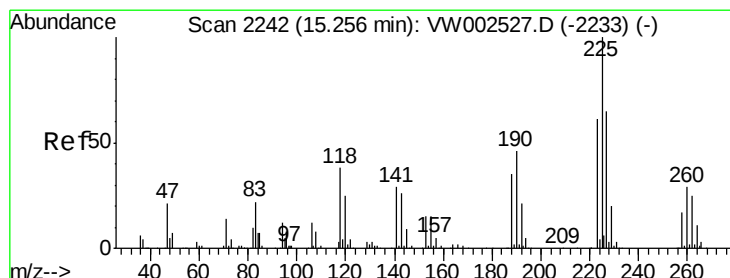
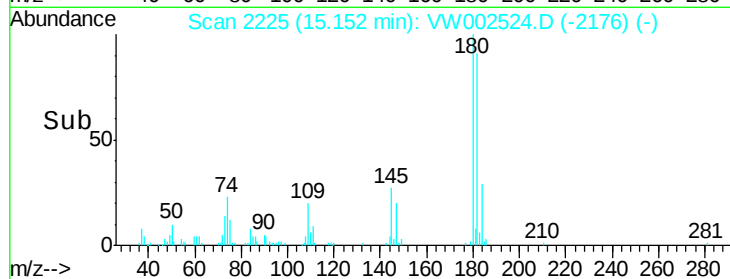
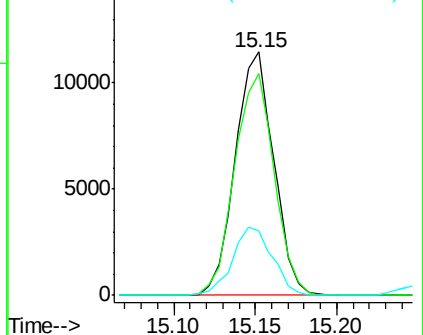
#93
 1,2,4-Trichlorobenzene
 Concen: 5.06 ug/l
 RT: 15.15 min Scan# 2225
 Delta R.T. 0.00 min
 Lab File: VW002524.D
 Acq: 14 May 2018 20:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion:180 Resp: 18819
 Ion Ratio Lower Upper
 180 100
 182 93.7 47.2 141.6
 145 28.9 14.9 44.9

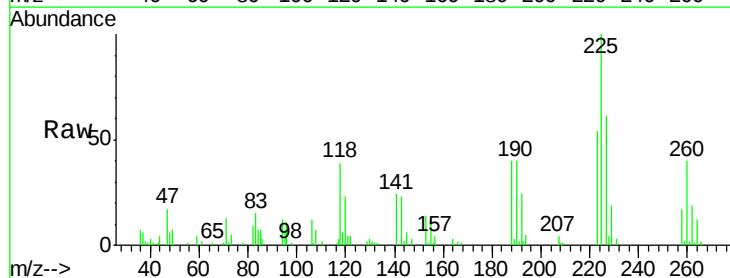


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

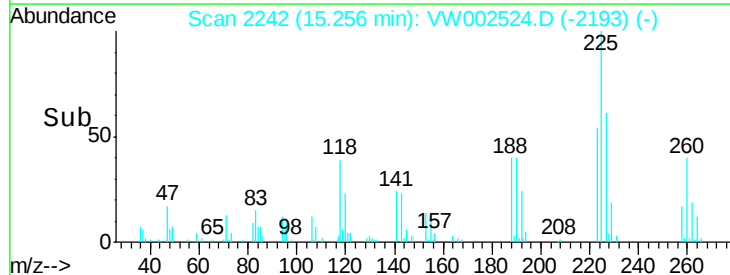
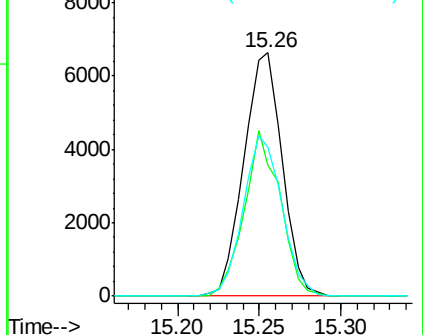


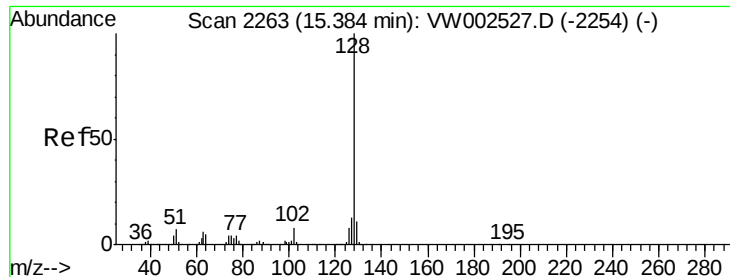
#94
 Hexachlorobutadiene
 Concen: 5.27 ug/l
 RT: 15.26 min Scan# 2242
 Delta R.T. 0.00 min
 Lab File: VW002524.D
 Acq: 14 May 2018 20:51

Tgt Ion:225 Resp: 10906
 Ion Ratio Lower Upper
 225 100
 223 63.1 31.3 93.9
 227 66.6 31.9 95.5



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

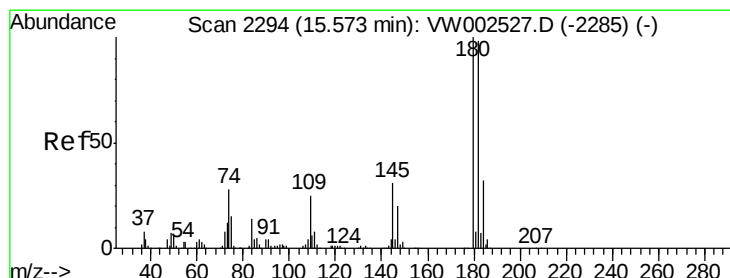
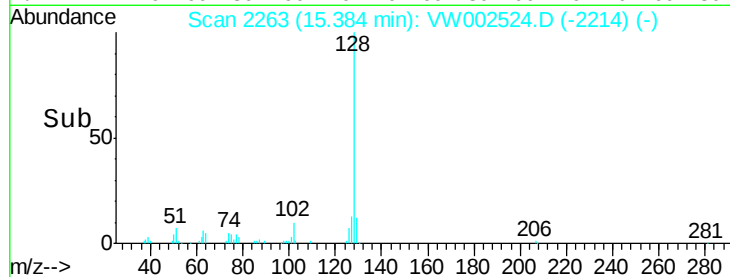
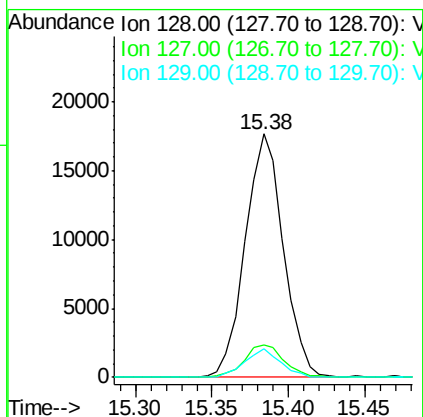
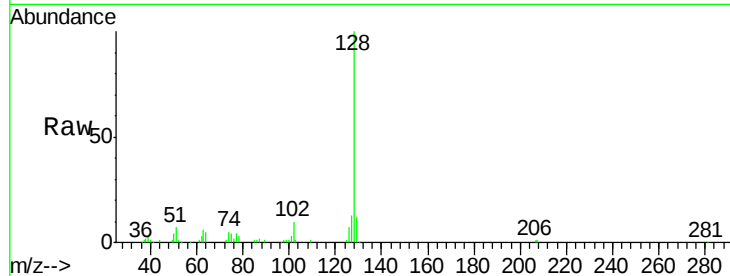




#95
Naphthalene
Concen: 4.46 ug/l
RT: 15.38 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VW002524.D
Acq: 14 May 2018 20:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion:128 Resp: 30573
Ion Ratio Lower Upper
128 100
127 13.9 10.6 15.8
129 10.8 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 5.03 ug/l
RT: 15.58 min Scan# 2295
Delta R.T. 0.01 min
Lab File: VW002524.D
Acq: 14 May 2018 20:51

Tgt Ion:180 Resp: 16776
Ion Ratio Lower Upper
180 100
182 96.5 47.3 141.8
145 31.0 15.5 46.5

