

Data File : VW005104.D
Acq On : 05 Sep 2018 03:26
Operator : SY/AP
Sample : VW0904SBSD02
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0904SBSD02

Quant Time: Sep 05 05:17:53 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
Quant Title : SW846 8260
QLast Update : Sat Sep 01 03:35:05 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	470127	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	680479	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	678644	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	385637	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	204542	52.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.98%	
35) Dibromofluoromethane	7.89	113	204612	52.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.06%	
50) Toluene-d8	10.33	98	945536	52.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.36%	
62) 4-Bromofluorobenzene	12.62	95	344407	53.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	81673	21.558	ug/l	99
3) Chloromethane	2.21	50	115603	21.028	ug/l	100
4) Vinyl Chloride	2.36	62	111320	20.823	ug/l	99
5) Bromomethane	2.74	94	81096	22.192	ug/l	98
6) Chloroethane	2.90	64	68449	20.570	ug/l	94
7) Trichlorofluoromethane	3.25	101	126370	21.013	ug/l	100
8) Diethyl Ether	3.68	74	46206	21.235	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	84988	20.574	ug/l	98
10) Methyl Iodide	4.27	142	103022	19.233	ug/l	99
11) Tert butyl alcohol	5.15	59	35832	163.389	ug/l	95
12) 1,1-Dichloroethene	4.04	96	78255	20.585	ug/l	99
13) Acrolein	3.89	56	24699	97.642	ug/l	100
14) Allyl chloride	4.67	41	120122	20.214	ug/l	100
15) Acrylonitrile	5.37	53	102239	111.397	ug/l	99
16) Acetone	4.12	43	91915	117.604	ug/l	99
17) Carbon Disulfide	4.38	76	278734	21.042	ug/l	100
18) Methyl Acetate	4.67	43	61815	26.886	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	205920	22.307	ug/l	99
20) Methylene Chloride	4.92	84	165376	29.746	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	96567	20.849	ug/l	98
22) Diisopropyl ether	6.32	45	265925	21.266	ug/l	98
23) Vinyl Acetate	6.26	43	667938	101.693	ug/l	99
24) 1,1-Dichloroethane	6.22	63	161775	20.698	ug/l	98
25) 2-Butanone	7.17	43	151451	111.721	ug/l	100
26) 2,2-Dichloropropane	7.17	77	120947	18.830	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	107740	21.265	ug/l	98
28) Bromochloromethane	7.52	49	64998	20.661	ug/l	95
29) Tetrahydrofuran	7.54	42	77441	111.802	ug/l	99
30) Chloroform	7.68	83	167306	20.972	ug/l	99
31) Cyclohexane	7.96	56	154109	20.134	ug/l	92
32) 1,1,1-Trichloroethane	7.88	97	145756	20.979	ug/l	99
36) 1,1-Dichloropropene	8.09	75	136975	21.135	ug/l	99
37) Ethyl Acetate	7.26	43	54503	22.488	ug/l	99
38) Carbon Tetrachloride	8.07	117	130531	21.182	ug/l	99

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	155868	19.887	ug/l	99
40) Benzene	8.33	78	417095	21.023	ug/l	98
41) Methacrylonitrile	7.49	41	31178	22.202	ug/l	96
42) 1,2-Dichloroethane	8.40	62	104506	21.523	ug/l	99
43) Isopropyl Acetate	8.43	43	93930	21.298	ug/l	99
44) Trichloroethene	9.10	130	115661	21.606	ug/l	95
45) 1,2-Dichloropropane	9.37	63	104492	21.559	ug/l	99
46) Dibromomethane	9.46	93	50884	21.955	ug/l	99
47) Bromodichloromethane	9.65	83	126973	21.758	ug/l	95
48) Methyl methacrylate	9.44	41	45221	21.294	ug/l	96
49) 1,4-Dioxane	9.45	88	18220	486.131	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	333148	112.709	ug/l	99
52) Toluene	10.39	92	287617	21.395	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	120570	21.026	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	149874	21.491	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	79672	22.203	ug/l	98
56) Ethyl methacrylate	10.65	69	89816	21.939	ug/l	99
57) 1,3-Dichloropropane	10.93	76	129128	21.858	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	210649	108.590	ug/l	99
59) 2-Hexanone	10.98	43	229949	115.021	ug/l	98
60) Dibromochloromethane	11.13	129	87271	21.513	ug/l	100
61) 1,2-Dibromoethane	11.24	107	71505	22.072	ug/l	98
64) Tetrachloroethene	10.87	164	117688	22.102	ug/l	97
65) Chlorobenzene	11.66	112	321019	21.012	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	99131	21.233	ug/l	98
67) Ethyl Benzene	11.74	91	535126	20.719	ug/l	99
68) m/p-Xylenes	11.85	106	443916	42.926	ug/l	99
69) o-Xylene	12.17	106	202681	21.198	ug/l	98
70) Styrene	12.19	104	342163	21.664	ug/l	100
71) Bromoform	12.35	173	54094	21.861	ug/l #	99
73) Isopropylbenzene	12.47	105	535030	19.676	ug/l	100
74) N-amyl acetate	12.28	43	92016	19.653	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	87651	21.175	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	111781	38.616	ug/l #	100
77) Bromobenzene	12.75	156	137084	20.460	ug/l	99
78) n-propylbenzene	12.81	91	657159	20.020	ug/l	100
79) 2-Chlorotoluene	12.90	91	386324	20.173	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	475712	20.230	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	23403	19.459	ug/l	99
82) 4-Chlorotoluene	12.99	91	403369	19.946	ug/l	98
83) tert-Butylbenzene	13.21	119	386125	19.663	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	488988	20.419	ug/l	100
85) sec-Butylbenzene	13.39	105	575143	19.929	ug/l	100
86) p-Isopropyltoluene	13.51	119	512486	20.061	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	285526	20.746	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	282360	20.682	ug/l	99
89) n-Butylbenzene	13.83	91	464581	19.623	ug/l	99
90) Hexachloroethane	14.10	117	83466	19.670	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	256371	21.372	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	14032	21.692	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090418\
Quantitation Report (Not Reviewed)

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Quant Title : SW846 8260
QLast Update : Sat Sep 01 03:35:05 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	166922	20.753	ug/l	99
94) Hexachlorobutadiene	15.24	225	103098	20.609	ug/l	99
95) Naphthalene	15.38	128	258580	21.097	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	146292	21.253	ug/l	99

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

Data File : VW005104.D

Acq On : 05 Sep 2018 03:26

Operator : SY/AP

Sample : VW0904SBSD02

Misc : 5.00G/5ML/MSVOA W/SOIL

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ALS Vial      : 33      Sample Multiplier: 1
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Instrument :
MSVOA_W
ClientSampleId :
VW0904SBSD02

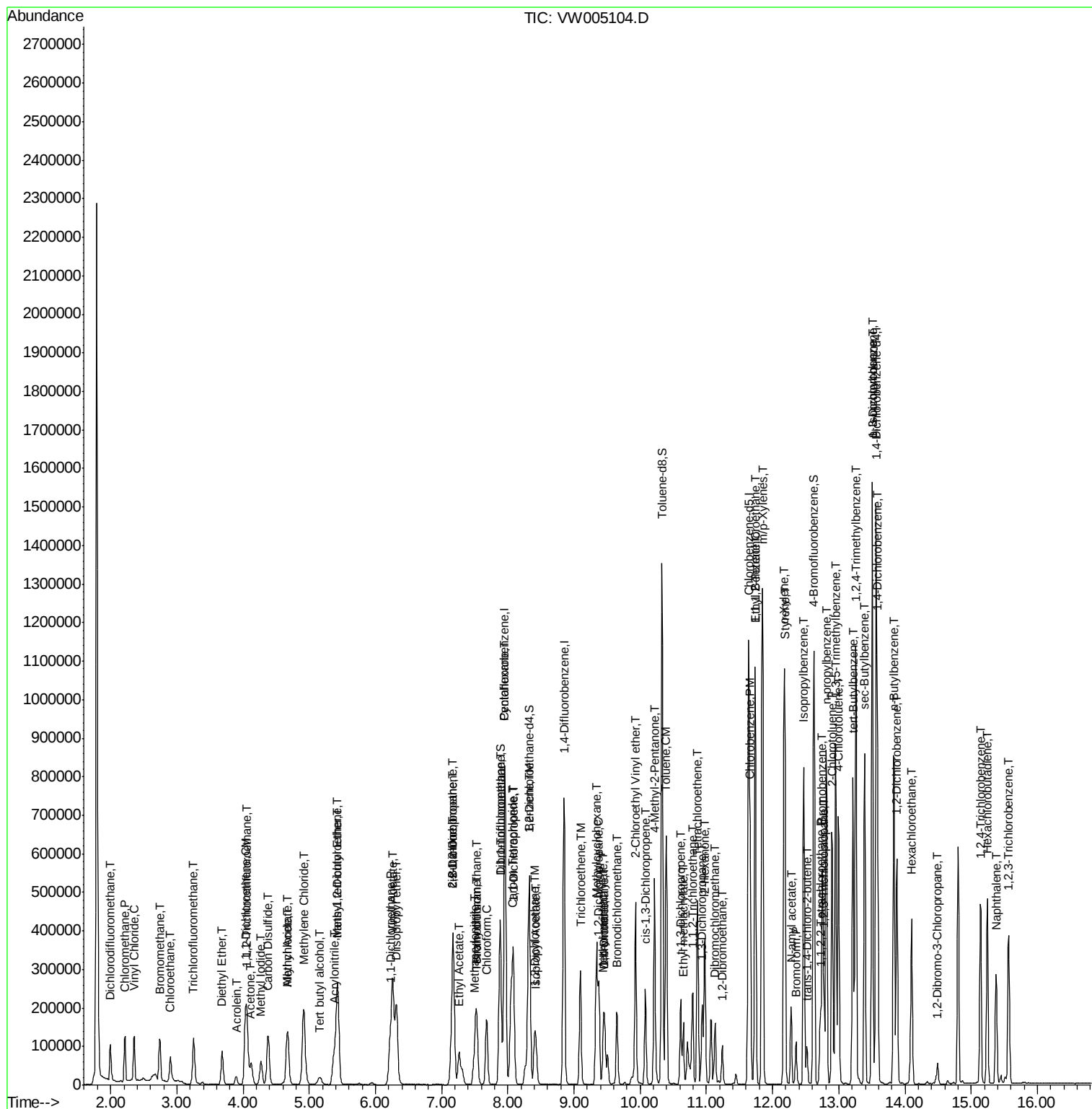
Quant Time: Sep 05 03:59:21 2018

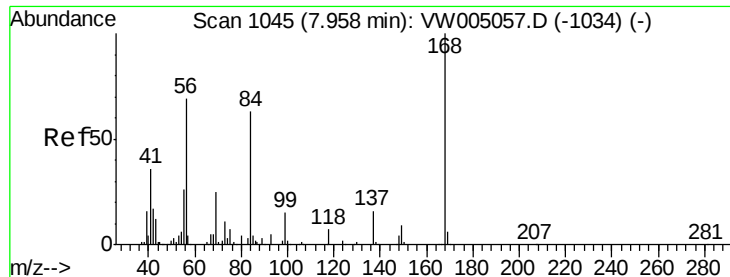
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA W\METHOD\82W090118S.M

Quant Title : SW846 8260

QLast Update : Sat Sep 01 03:35:05 2018

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.01 min

Lab File: VW005104.D

Acq: 05 Sep 2018 03:26

Instrument :

MSVOA_W

ClientSampleId :

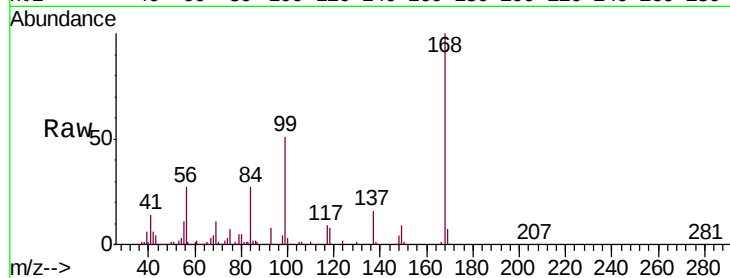
VW0904SBSD02

Tgt Ion:168 Resp: 470127

Ion Ratio Lower Upper

168 100

99 51.0 39.4 59.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

250000

200000

150000

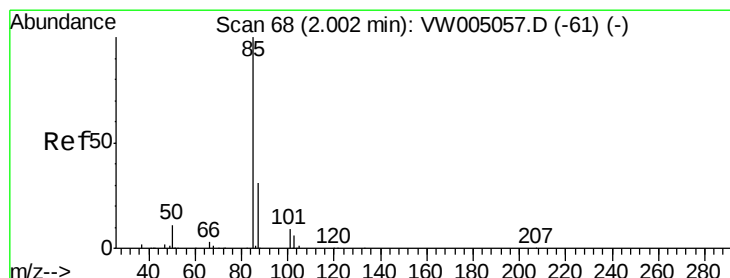
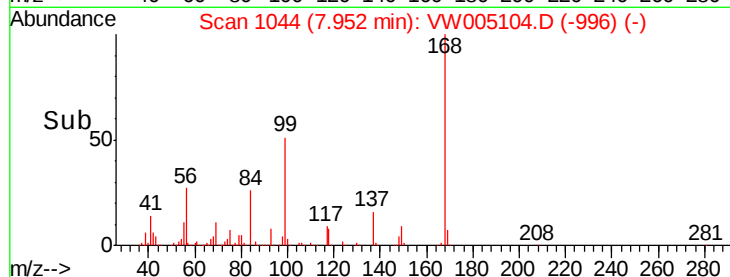
100000

50000

0

7.95

Time-->



#2

Dichlorodifluoromethane

Concen: 21.558 ug/l

RT: 2.00 min Scan# 67

Delta R.T. -0.01 min

Lab File: VW005104.D

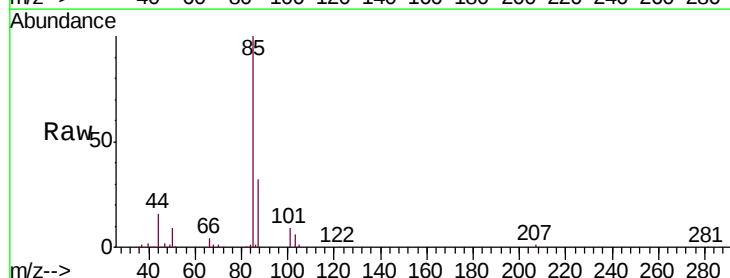
Acq: 05 Sep 2018 03:26

Tgt Ion: 85 Resp: 81673

Ion Ratio Lower Upper

85 100

87 32.2 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

60000

50000

40000

30000

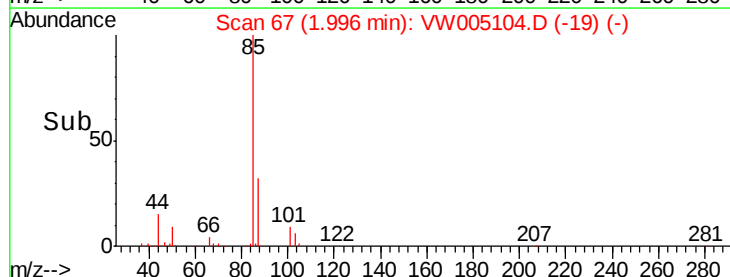
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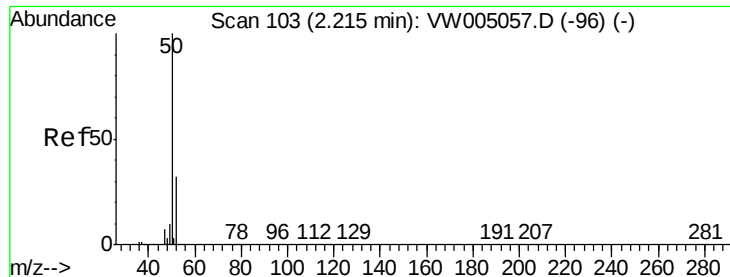
10000

0

2.00

Time-->





#3

Chloromethane

Concen: 21.028 ug/l

RT: 2.21 min Scan# 103

Delta R.T. -0.00 min

Lab File: VW005104.D

Acq: 05 Sep 2018 03:26

Instrument :

MSVOA_W

ClientSampleId :

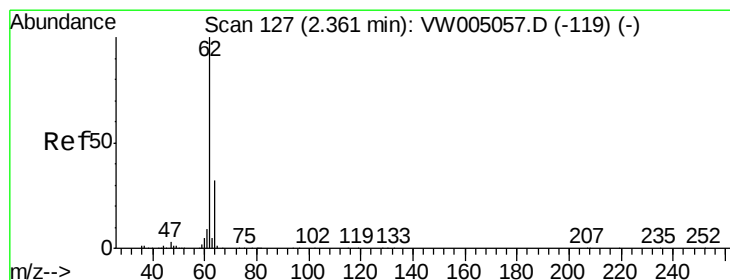
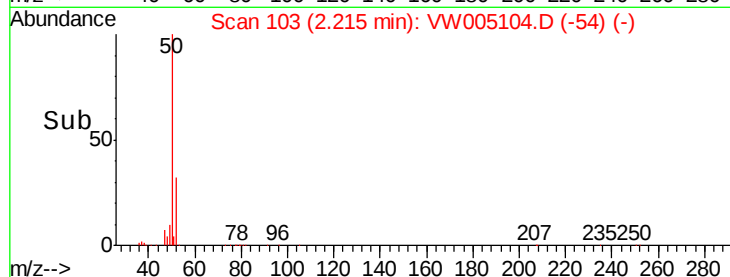
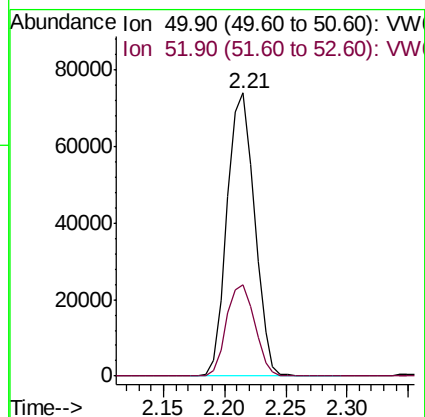
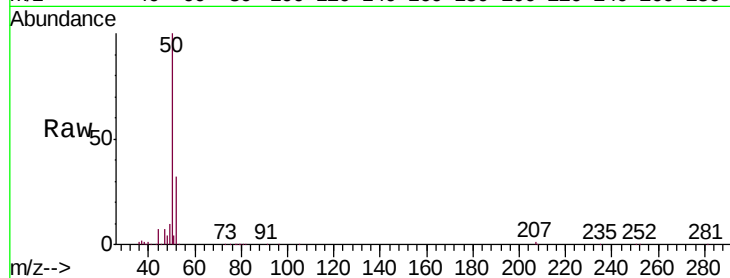
VW0904SBSD02

Tgt Ion: 50 Resp: 115603

Ion Ratio Lower Upper

50 100

52 32.3 25.8 38.6



#4

Vinyl Chloride

Concen: 20.823 ug/l

RT: 2.36 min Scan# 126

Delta R.T. -0.01 min

Lab File: VW005104.D

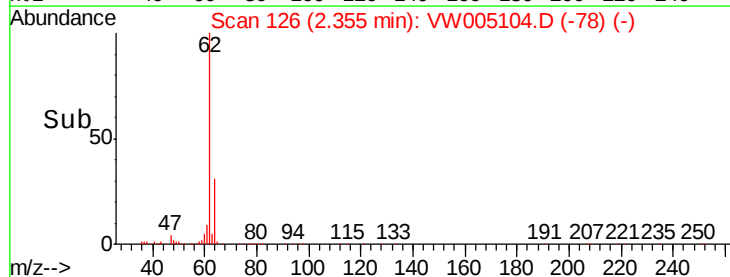
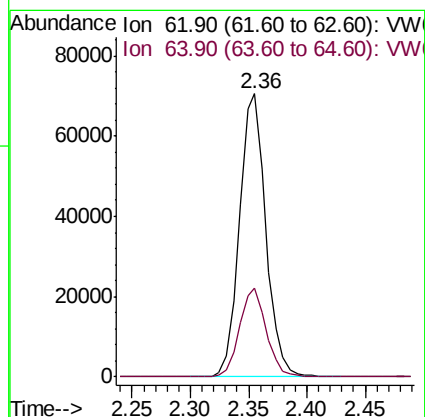
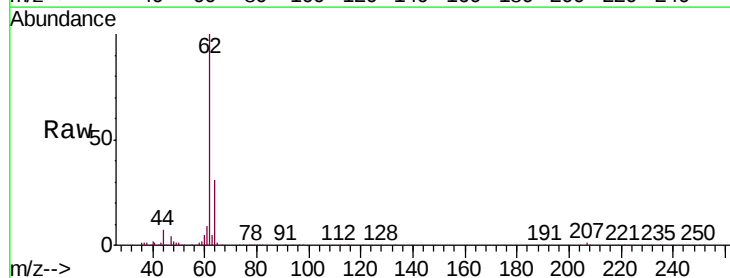
Acq: 05 Sep 2018 03:26

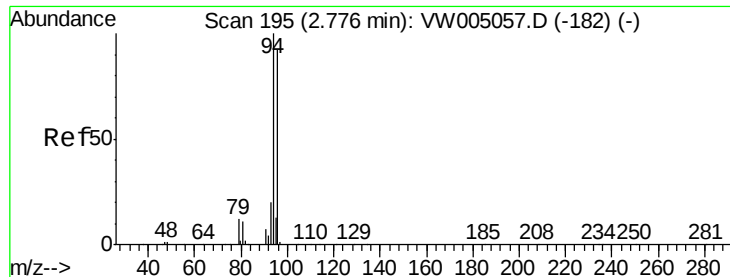
Tgt Ion: 62 Resp: 111320

Ion Ratio Lower Upper

62 100

64 31.2 25.6 38.4





#5

Bromomethane

Concen: 22.192 ug/l

RT: 2.74 min Scan# 189

Delta R.T. -0.04 min

Lab File: VW005104.D

Acq: 05 Sep 2018 03:26

Instrument :

MSVOA_W

ClientSampleId :

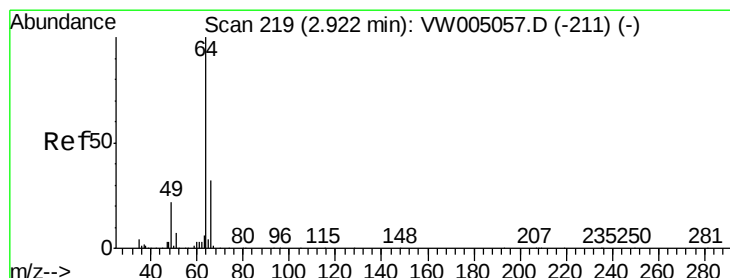
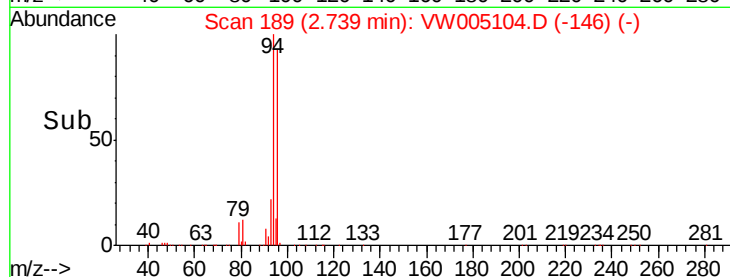
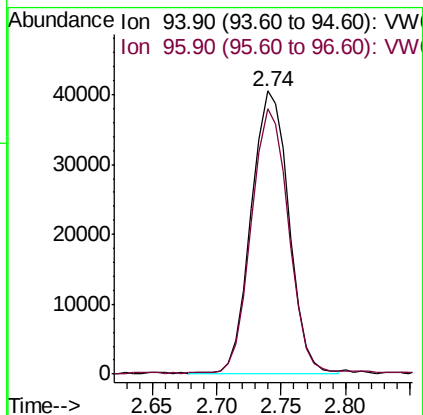
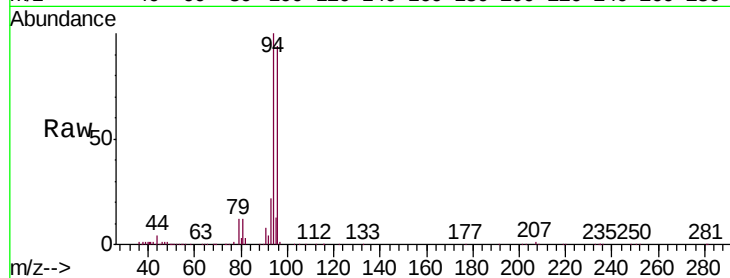
VW0904SBSD02

Tgt Ion: 94 Resp: 81096

Ion Ratio Lower Upper

94 100

96 93.5 73.2 109.8



#6

Chloroethane

Concen: 20.570 ug/l

RT: 2.90 min Scan# 216

Delta R.T. -0.02 min

Lab File: VW005104.D

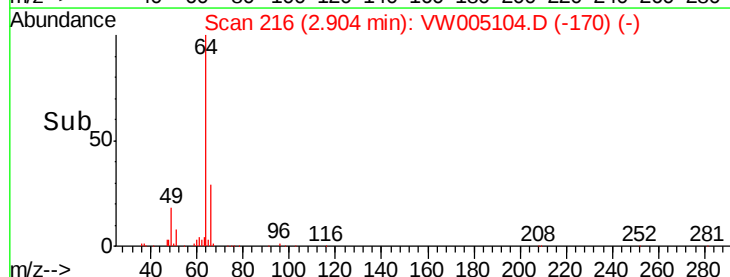
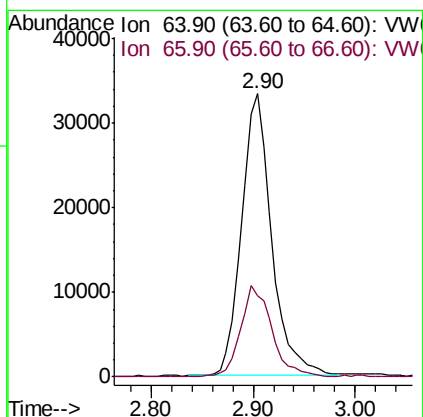
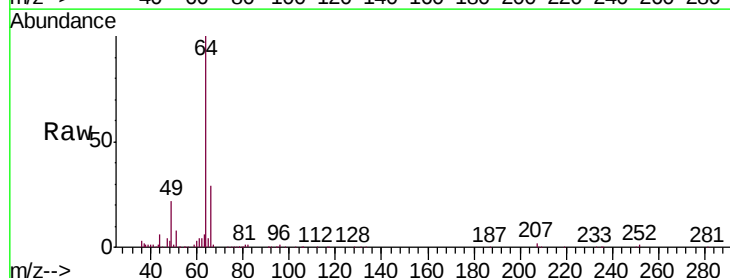
Acq: 05 Sep 2018 03:26

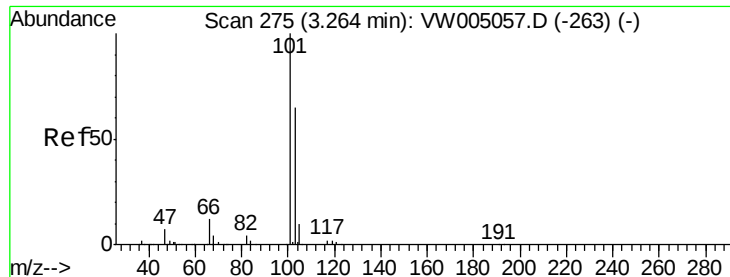
Tgt Ion: 64 Resp: 68449

Ion Ratio Lower Upper

64 100

66 28.5 25.7 38.5



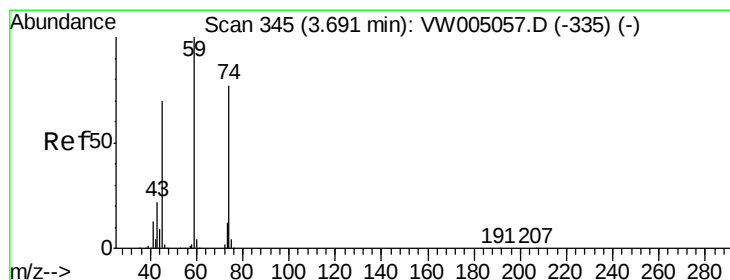
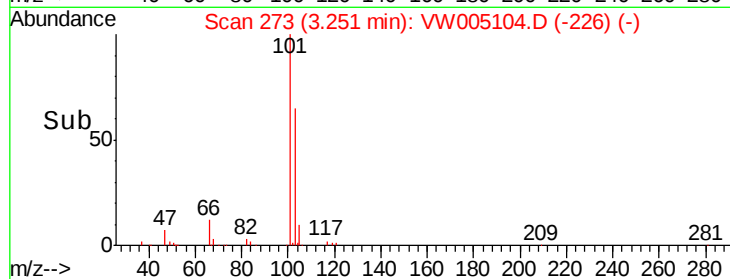
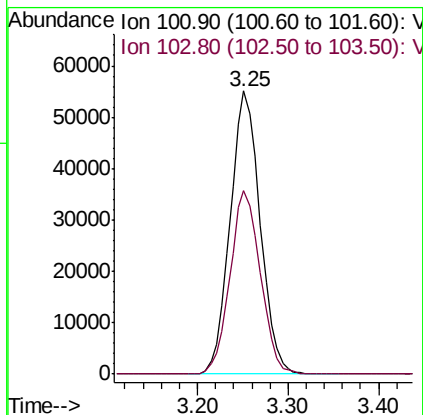
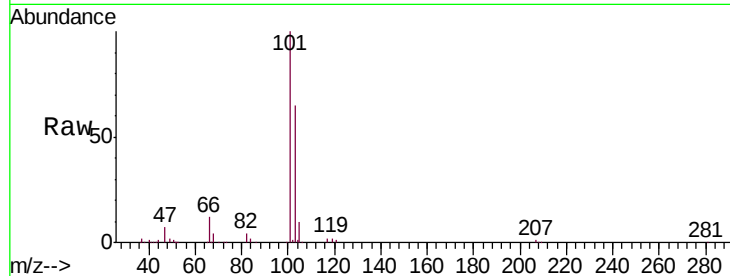


#7

Trichlorofluoromethane
Concen: 21.013 ug/l
RT: 3.25 min Scan# 273
Delta R.T. -0.01 min
Lab File: VW005104.D
Acq: 05 Sep 2018 03:26

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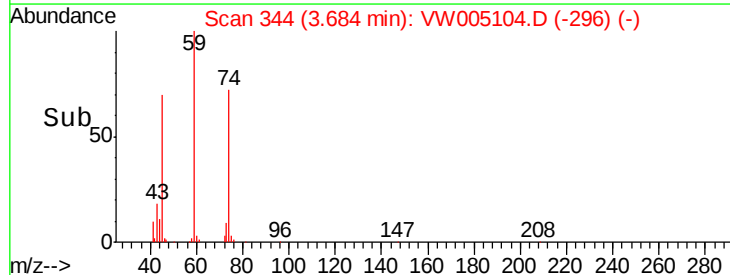
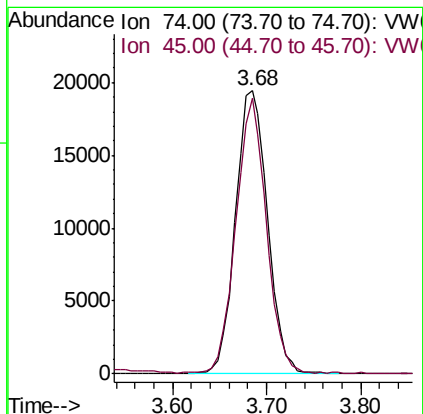
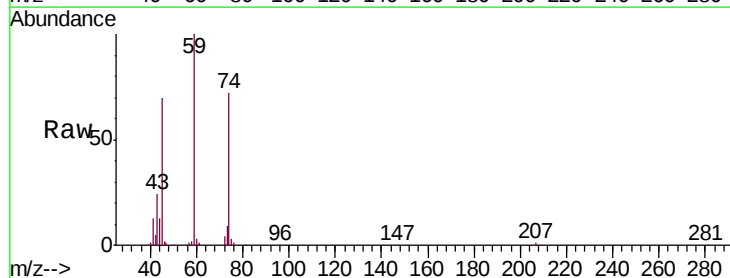
Tgt Ion:101 Resp: 126370
Ion Ratio Lower Upper
101 100
103 64.8 51.9 77.9

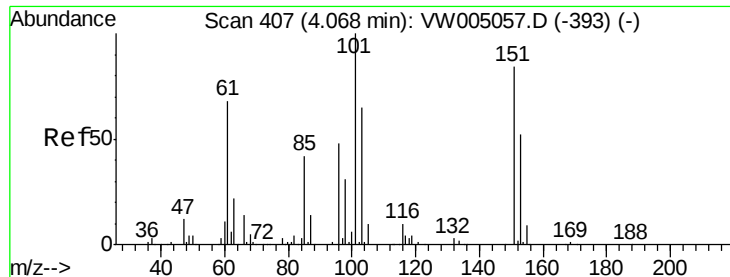


#8

Diethyl Ether
Concen: 21.235 ug/l
RT: 3.68 min Scan# 344
Delta R.T. -0.01 min
Lab File: VW005104.D
Acq: 05 Sep 2018 03:26

Tgt Ion: 74 Resp: 46206
Ion Ratio Lower Upper
74 100
45 91.6 46.0 137.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.574 ug/l

RT: 4.06 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW005104.D

Acq: 05 Sep 2018 03:26

Instrument :

MSVOA_W

ClientSampleId :

VW0904SBSD02

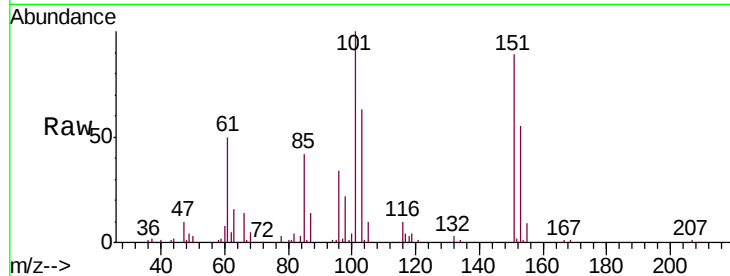
Tgt Ion:101 Resp: 84988

Ion Ratio Lower Upper

101 100

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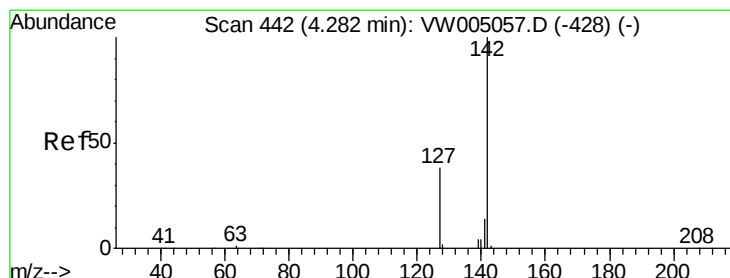
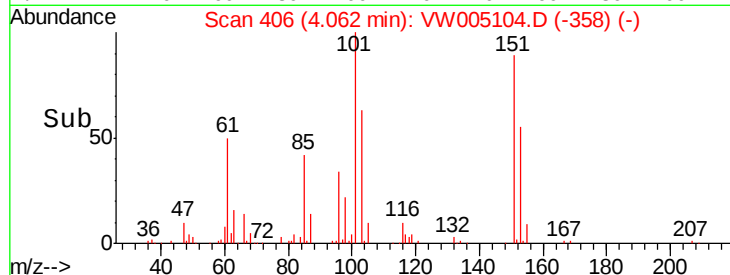
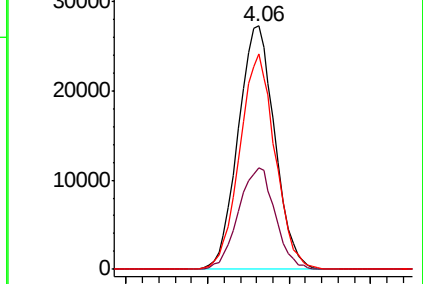
151 85.8 67.0 100.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.233 ug/l

RT: 4.27 min Scan# 440

Delta R.T. -0.01 min

Lab File: VW005104.D

Acq: 05 Sep 2018 03:26

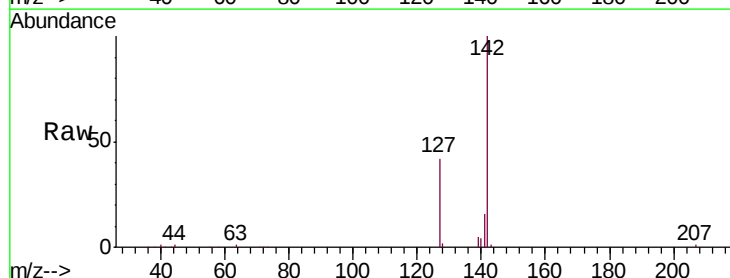
Tgt Ion:142 Resp: 103022

Ion Ratio Lower Upper

142 100

127 39.2 30.8 46.2

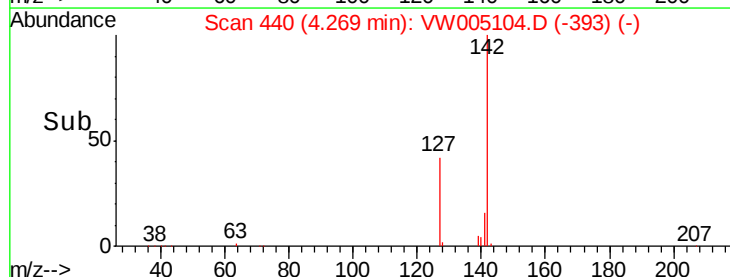
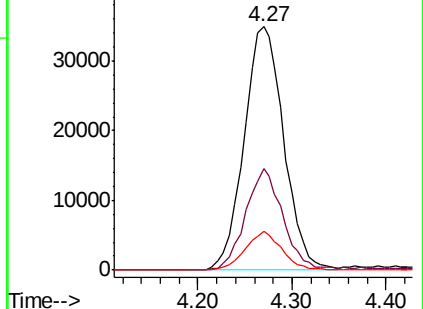
141 14.7 11.6 17.4

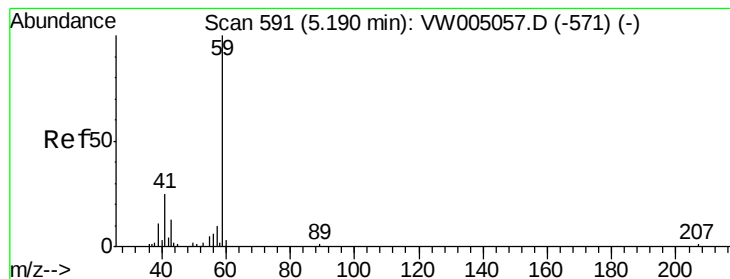


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



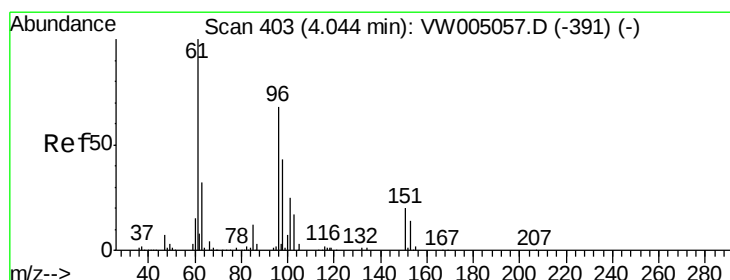
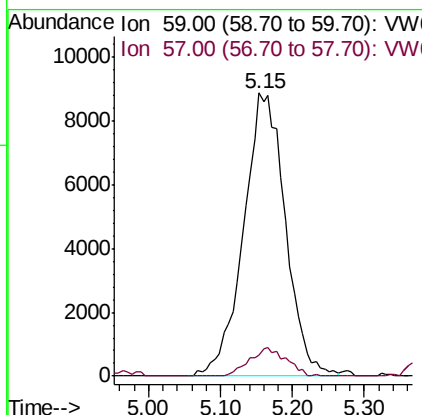
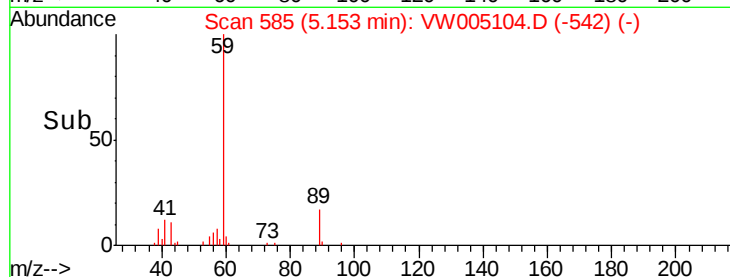
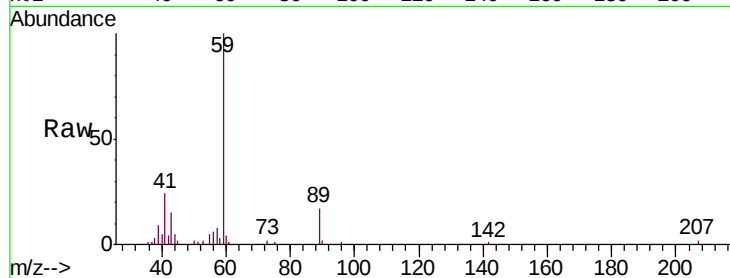


#11

Tert butyl alcohol
Concen: 163.389 ug/l
RT: 5.15 min Scan# 585
Delta R.T. -0.04 min
Lab File: VW005104.D
Acq: 05 Sep 2018 03:26

Instrument :
MSVOA_W
ClientSampleId :
VW0904SBSD02

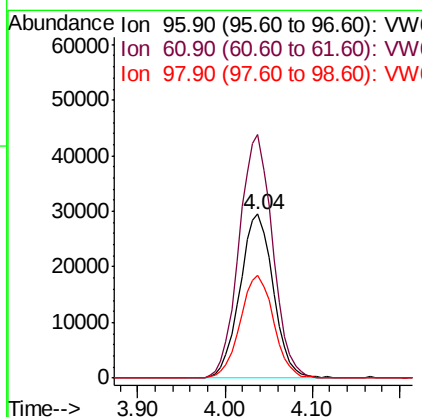
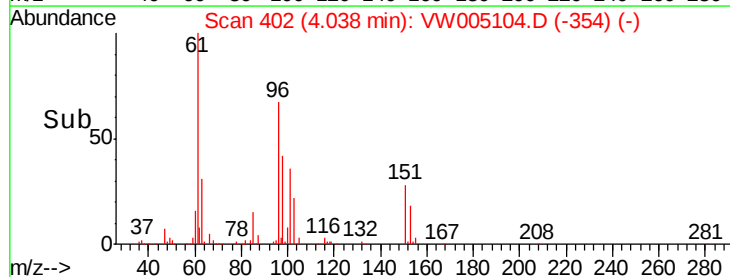
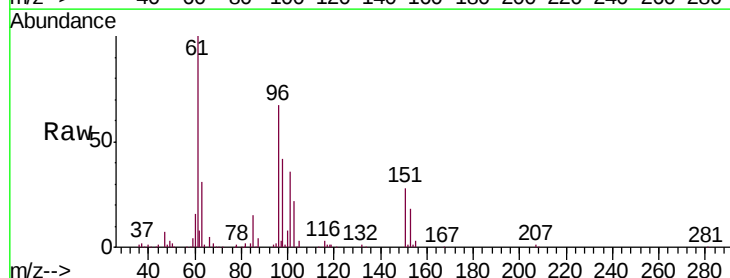
Tgt Ion: 59 Resp: 35832
Ion Ratio Lower Upper
59 100
57 8.8 8.6 12.8

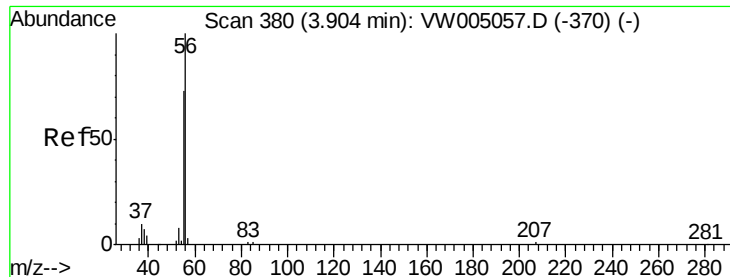


#12

1,1-Dichloroethene
Concen: 20.585 ug/l
RT: 4.04 min Scan# 402
Delta R.T. -0.01 min
Lab File: VW005104.D
Acq: 05 Sep 2018 03:26

Tgt Ion: 96 Resp: 78255
Ion Ratio Lower Upper
96 100
61 148.4 117.4 176.0
98 62.4 51.0 76.4





#13

Acrolein

Concen: 97.642 ug/l

RT: 3.89 min Scan# 378

Delta R.T. -0.01 min

Lab File: VW005104.D

Acq: 05 Sep 2018 03:26

Instrument :

MSVOA_W

ClientSampleId :

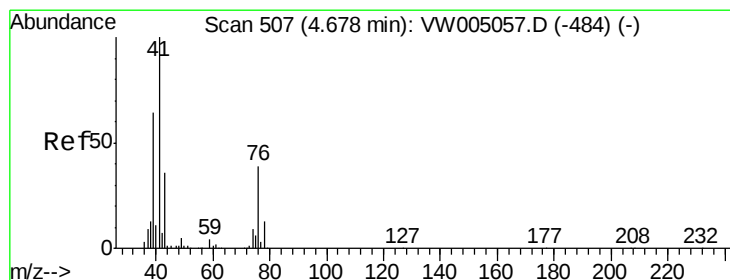
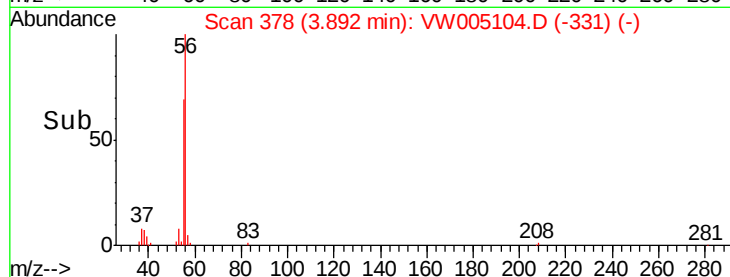
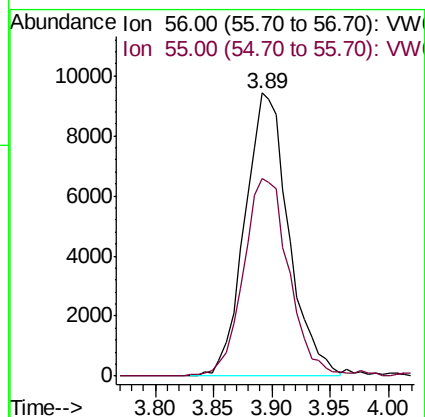
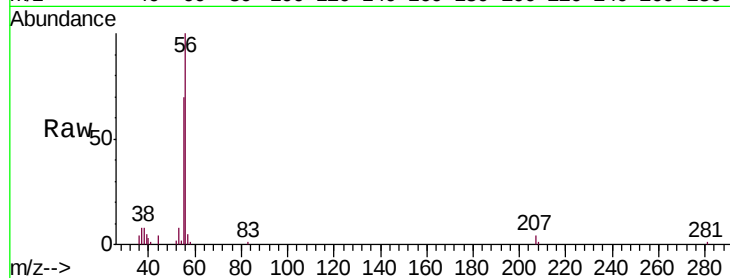
VW0904SBSD02

Tgt Ion: 56 Resp: 24699

Ion Ratio Lower Upper

56 100

55 72.6 58.1 87.1



#14

Allyl chloride

Concen: 20.214 ug/l

RT: 4.67 min Scan# 506

Delta R.T. -0.01 min

Lab File: VW005104.D

Acq: 05 Sep 2018 03:26

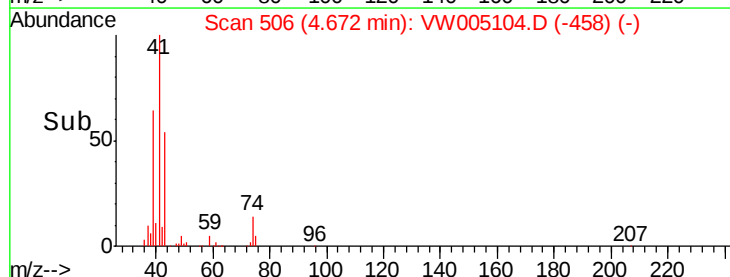
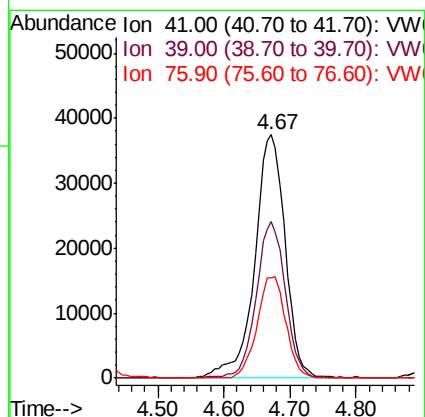
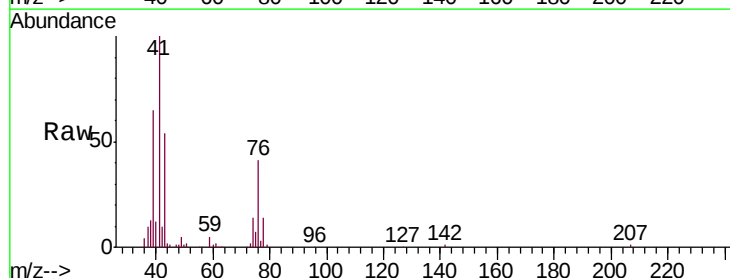
Tgt Ion: 41 Resp: 120122

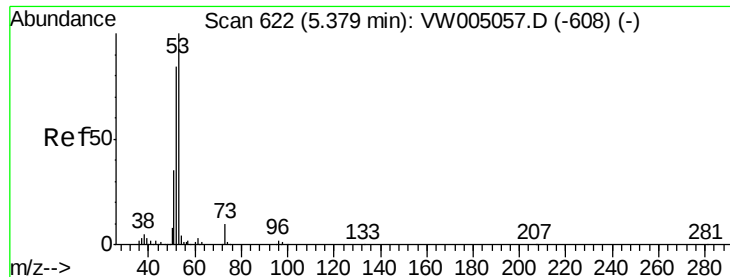
Ion Ratio Lower Upper

41 100

39 61.7 49.4 74.2

76 39.2 31.8 47.6





#15

Acrylonitrile

Concen: 111.397 ug/l

RT: 5.37 min Scan# 621

Delta R.T. -0.01 min

Lab File: VW005104.D

Acq: 05 Sep 2018 03:26

Instrument :

MSVOA_W

ClientSampleId :

VW0904SBSD02

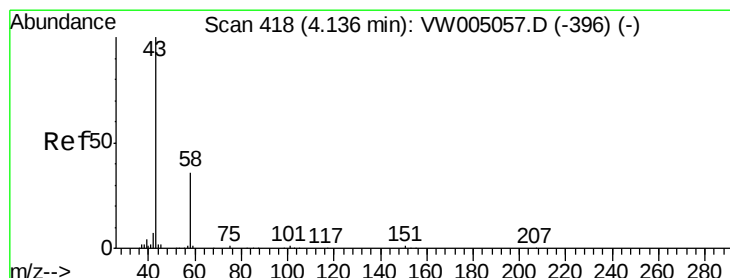
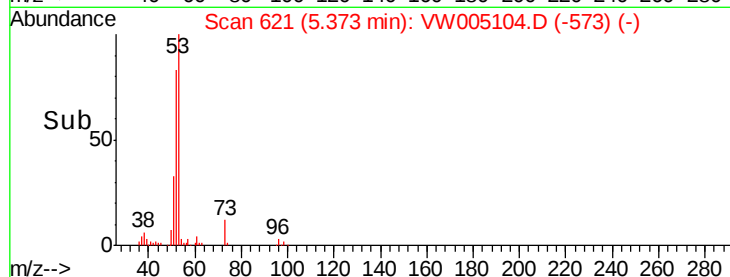
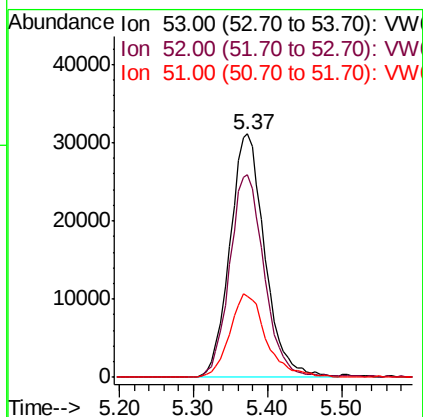
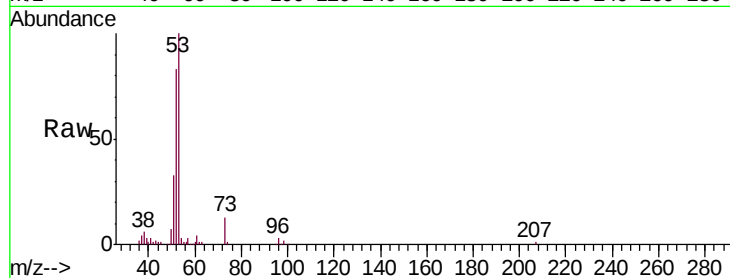
Tgt Ion: 53 Resp: 102239

Ion Ratio Lower Upper

53 100

52 82.7 65.7 98.5

51 35.8 28.8 43.2



#16

Acetone

Concen: 117.604 ug/l

RT: 4.12 min Scan# 416

Delta R.T. -0.01 min

Lab File: VW005104.D

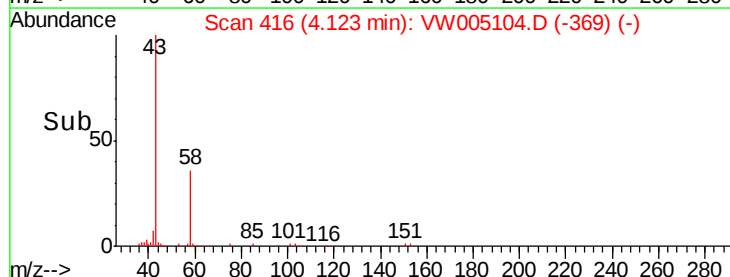
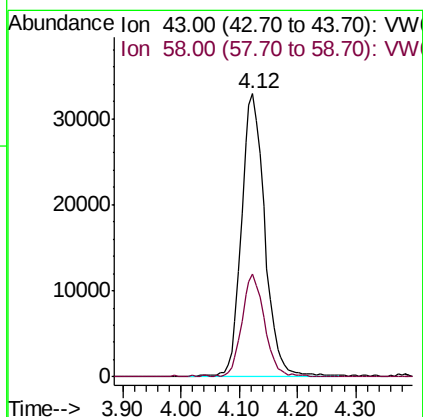
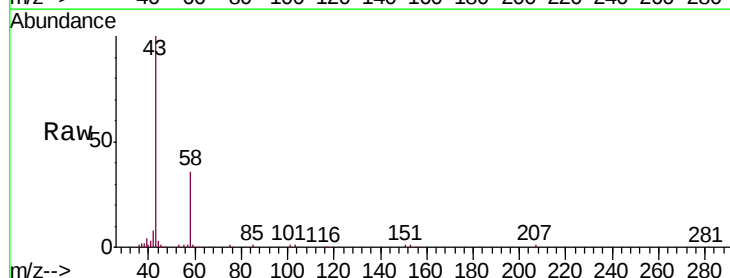
Acq: 05 Sep 2018 03:26

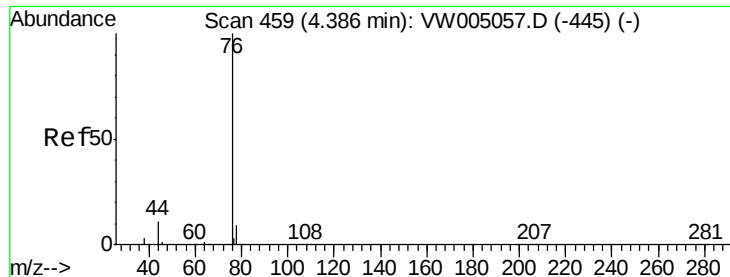
Tgt Ion: 43 Resp: 91915

Ion Ratio Lower Upper

43 100

58 36.0 29.0 43.6





#17

Carbon Disulfide

Concen: 21.042 ug/l

RT: 4.38 min Scan# 458

Delta R.T. -0.01 min

Lab File: VW005104.D

Acq: 05 Sep 2018 03:26

Instrument :

MSVOA_W

ClientSampleId :

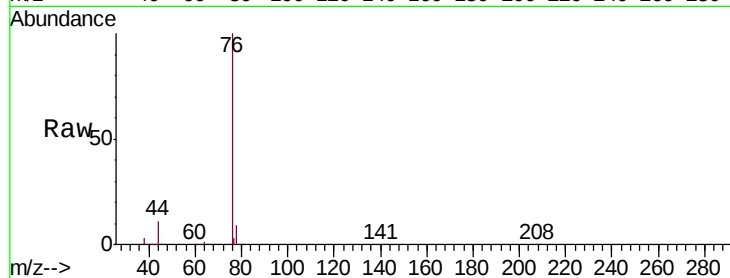
VW0904SBSD02

Tgt Ion: 76 Resp: 278734

Ion Ratio Lower Upper

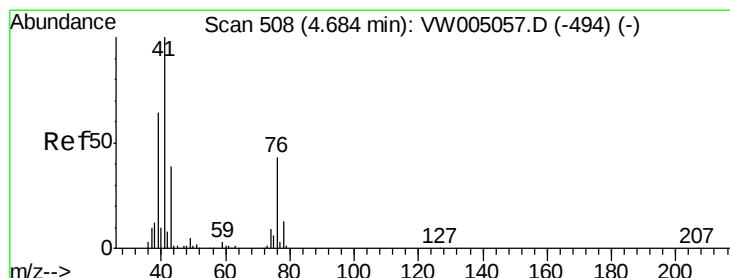
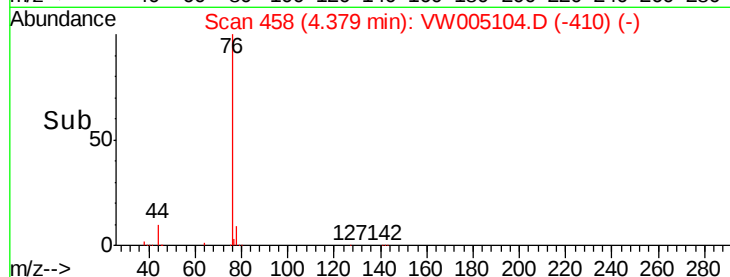
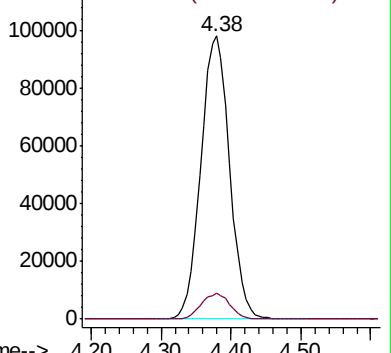
76 100

78 9.1 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 26.886 ug/l

RT: 4.67 min Scan# 506

Delta R.T. -0.01 min

Lab File: VW005104.D

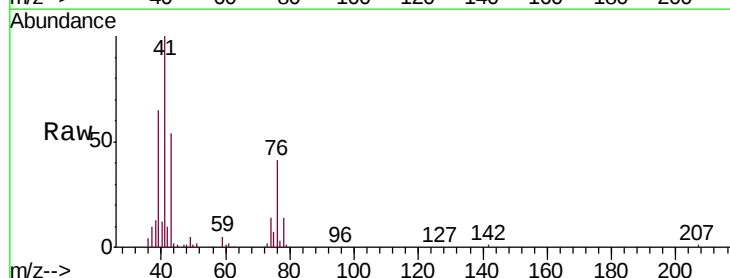
Acq: 05 Sep 2018 03:26

Tgt Ion: 43 Resp: 61815

Ion Ratio Lower Upper

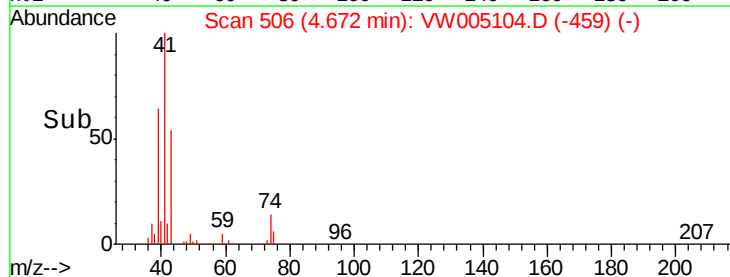
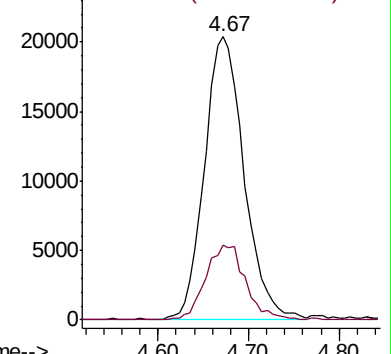
43 100

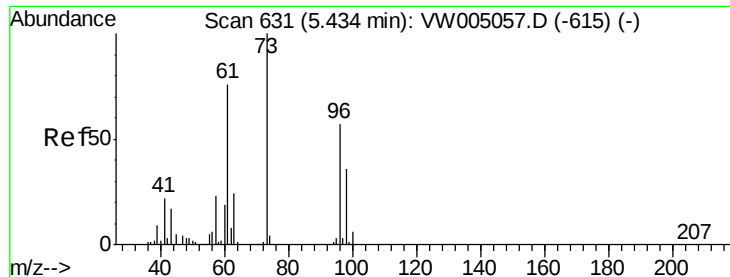
74 26.5 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

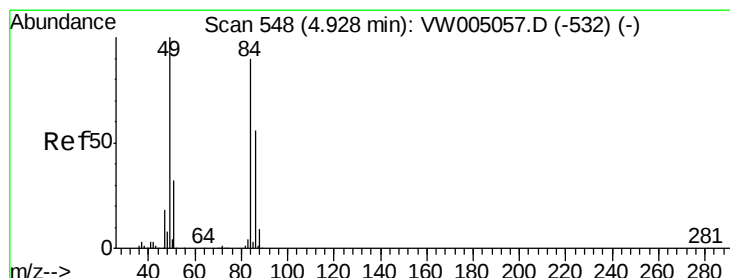
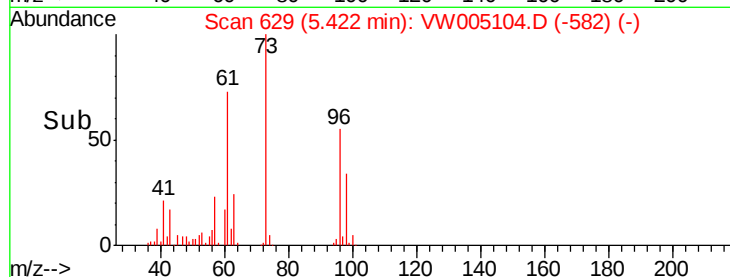
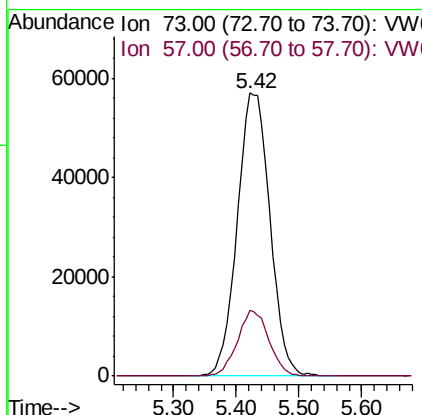
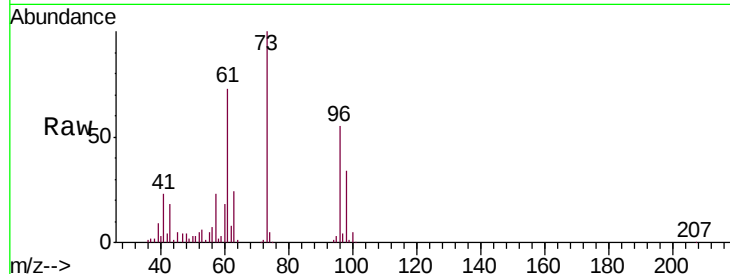




#19
Methyl tert-butyl Ether
Concen: 22.307 ug/l
RT: 5.42 min Scan# 629
Delta R.T. -0.01 min
Lab File: VW005104.D
Acq: 05 Sep 2018 03:26

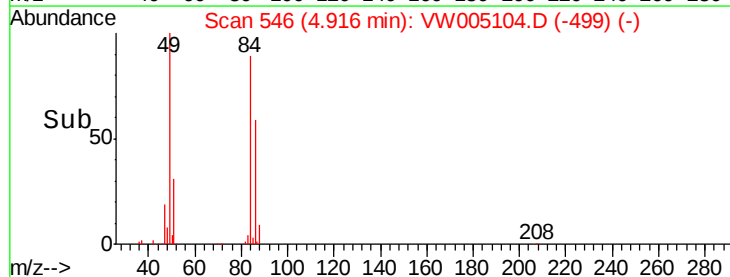
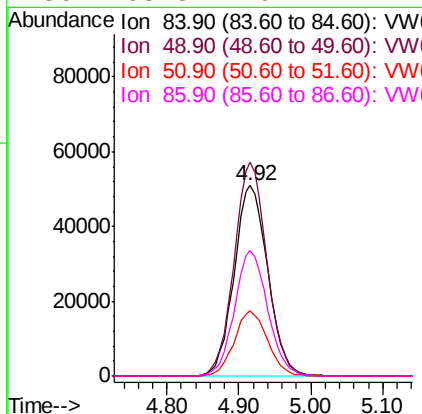
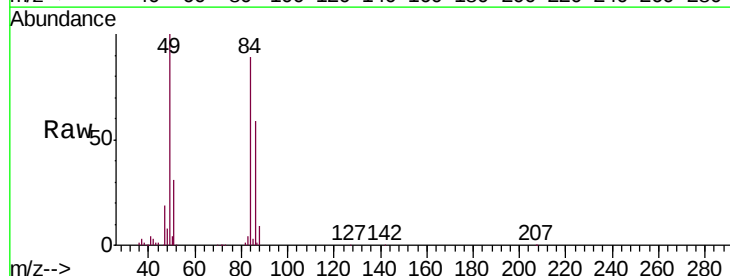
Instrument :
MSVOA_W
ClientSampleId :
VW0904SBSD02

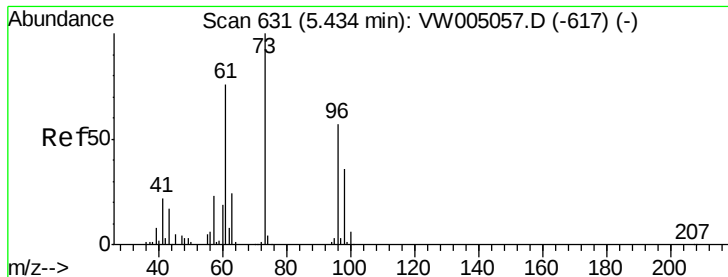
Tgt Ion: 73 Resp: 205920
Ion Ratio Lower Upper
73 100
57 23.2 18.1 27.1



#20
Methylene Chloride
Concen: 29.746 ug/l
RT: 4.92 min Scan# 546
Delta R.T. -0.01 min
Lab File: VW005104.D
Acq: 05 Sep 2018 03:26

Tgt Ion: 84 Resp: 165376
Ion Ratio Lower Upper
84 100
49 112.1 88.7 133.1
51 34.4 28.6 42.8
86 65.8 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 20.849 ug/l

RT: 5.43 min Scan# 630

Delta R.T. -0.01 min

Lab File: VW005104.D

Acq: 05 Sep 2018 03:26

Instrument :

MSVOA_W

ClientSampleId :

VW0904SBSD02

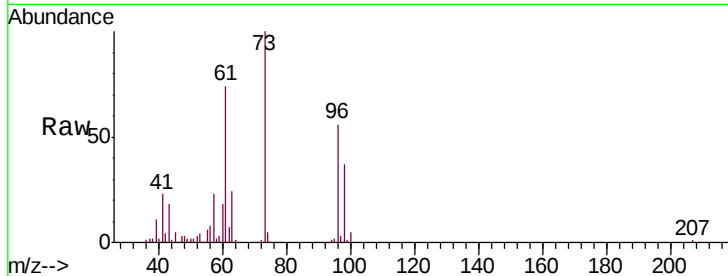
Tgt Ion: 96 Resp: 96567

Ion Ratio Lower Upper

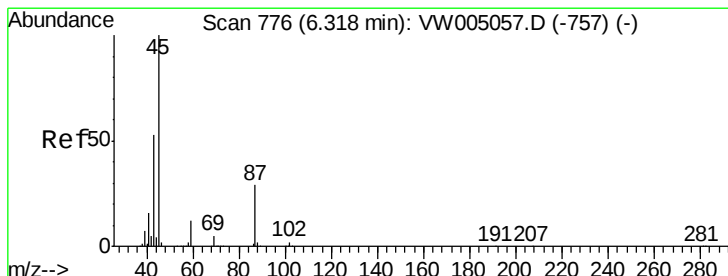
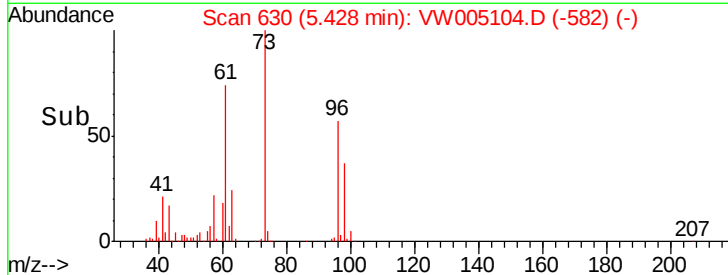
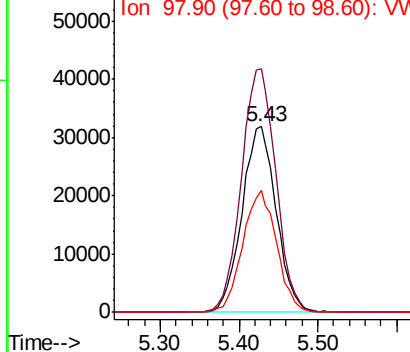
96 100

61 131.0 106.3 159.5

98 65.6 50.9 76.3



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



#22

Diisopropyl ether

Concen: 21.266 ug/l

RT: 6.32 min Scan# 776

Delta R.T. -0.00 min

Lab File: VW005104.D

Acq: 05 Sep 2018 03:26

Tgt Ion: 45 Resp: 265925

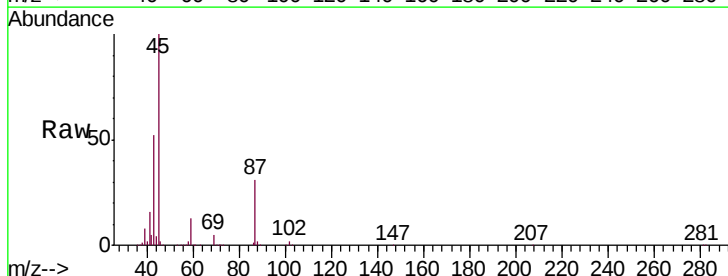
Ion Ratio Lower Upper

45 100

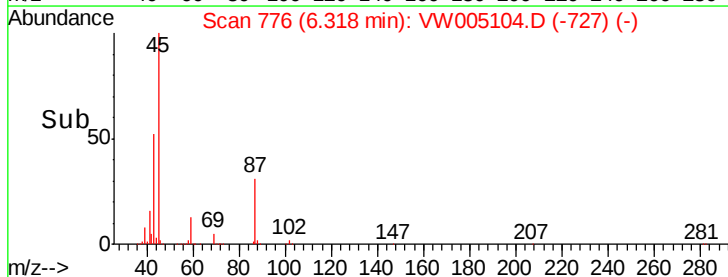
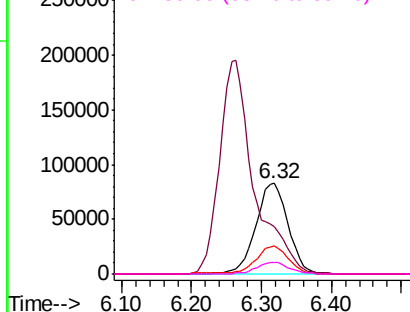
43 51.9 42.6 63.8

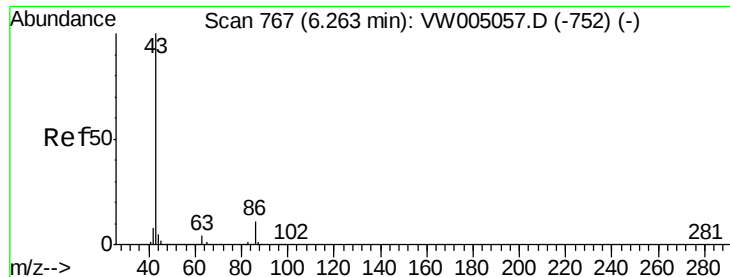
87 30.7 23.6 35.4

59 12.6 9.8 14.8



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





#23

Vinyl Acetate

Concen: 101.693 ug/l

RT: 6.26 min Scan# 767

Delta R.T. -0.00 min

Lab File: VW005104.D

Acq: 05 Sep 2018 03:26

Instrument :

MSVOA_W

ClientSampleId :

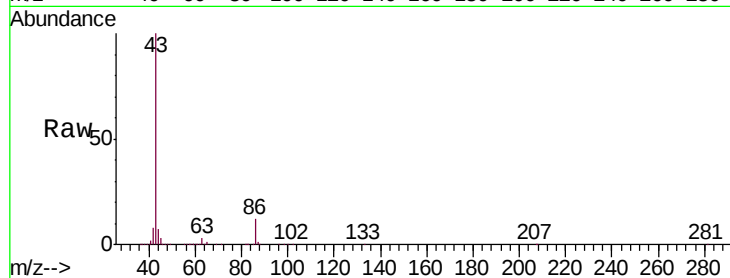
VW0904SBSD02

Tgt Ion: 43 Resp: 667938

Ion Ratio Lower Upper

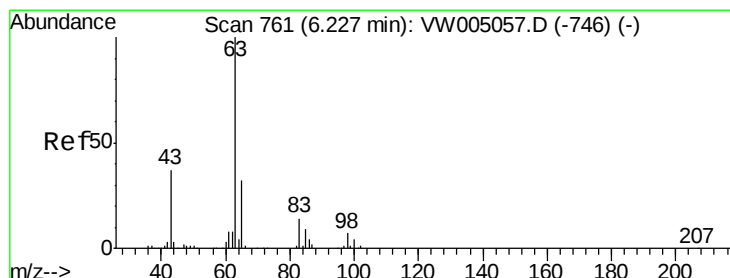
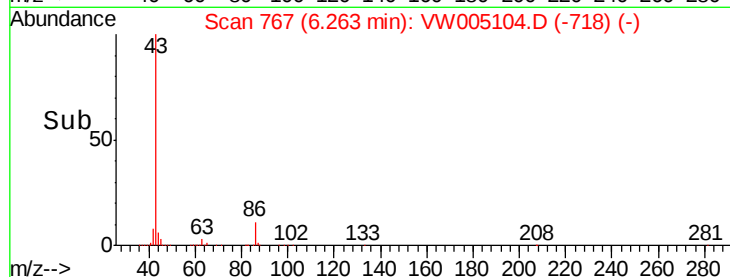
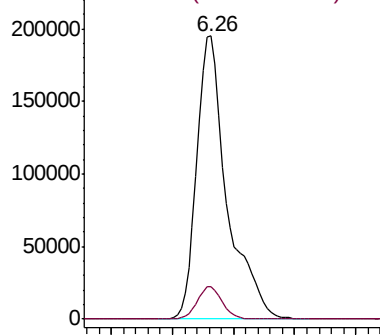
43 100

86 11.5 9.0 13.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 20.698 ug/l

RT: 6.22 min Scan# 760

Delta R.T. -0.01 min

Lab File: VW005104.D

Acq: 05 Sep 2018 03:26

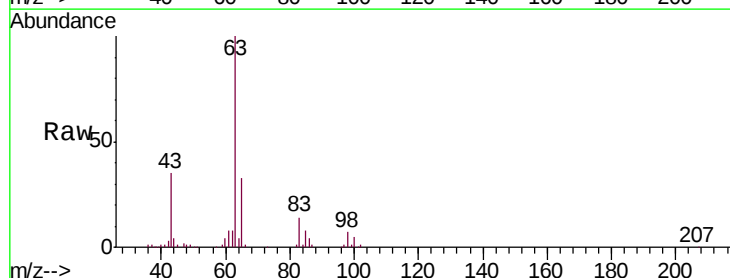
Tgt Ion: 63 Resp: 161775

Ion Ratio Lower Upper

63 100

98 6.6 3.6 10.8

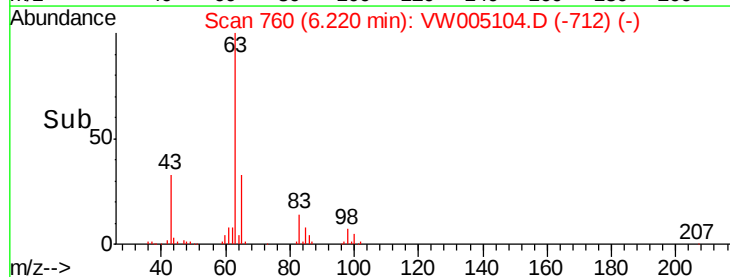
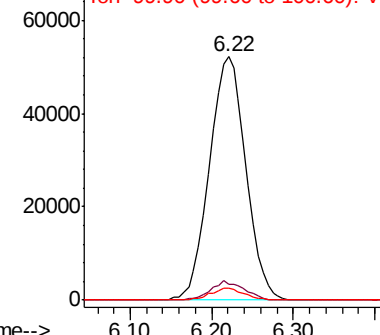
100 4.9 2.2 6.6

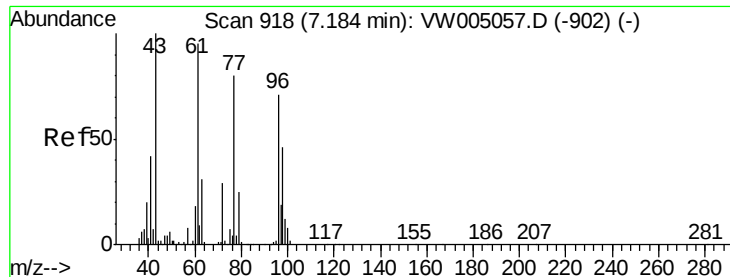


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 111.721 ug/l

RT: 7.17 min Scan# 916

Delta R.T. -0.01 min

Lab File: VW005104.D

Acq: 05 Sep 2018 03:26

Instrument :

MSVOA_W

ClientSampleId :

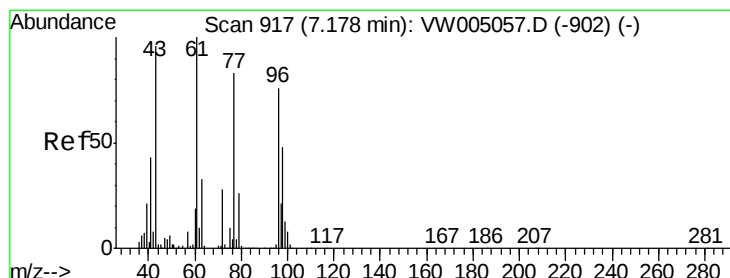
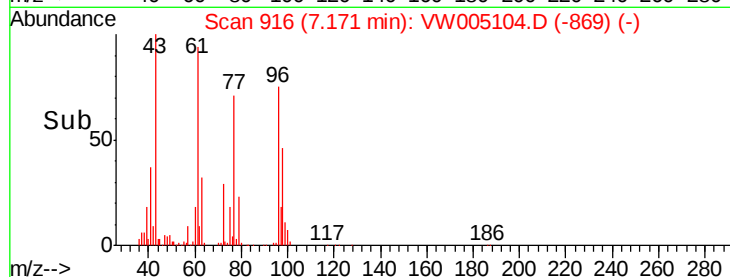
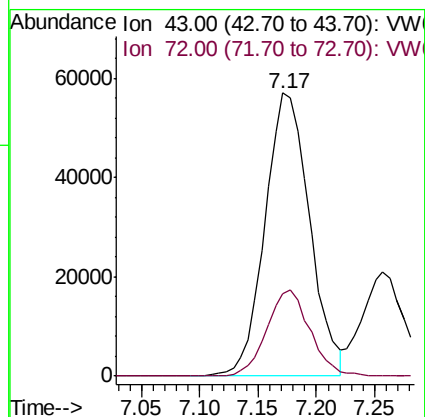
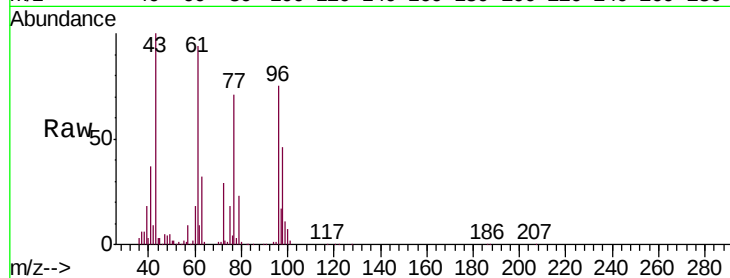
VW0904SBSD02

Tgt Ion: 43 Resp: 151451

Ion Ratio Lower Upper

43 100

72 28.9 23.1 34.7



#26

2,2-Dichloropropane

Concen: 18.830 ug/l

RT: 7.17 min Scan# 916

Delta R.T. -0.01 min

Lab File: VW005104.D

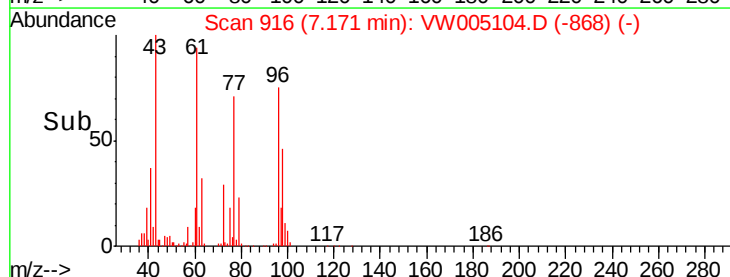
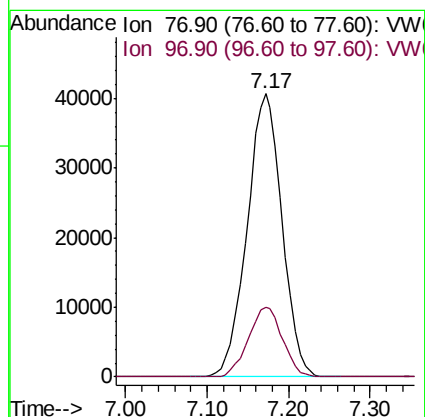
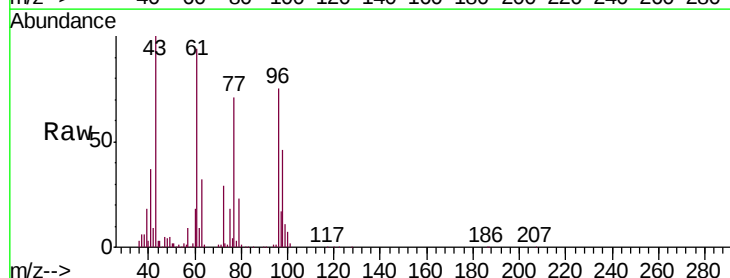
Acq: 05 Sep 2018 03:26

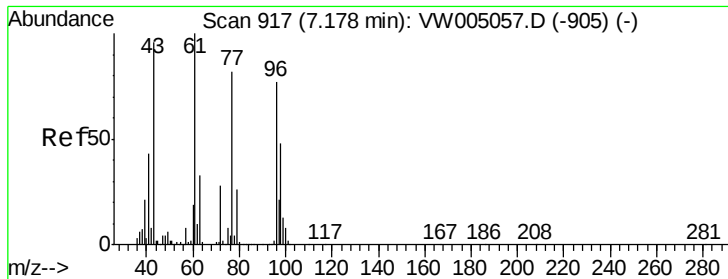
Tgt Ion: 77 Resp: 120947

Ion Ratio Lower Upper

77 100

97 24.0 12.2 36.6



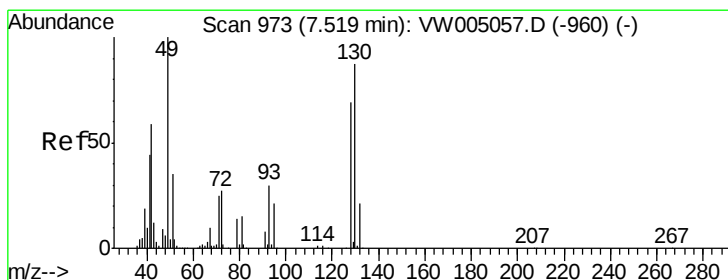
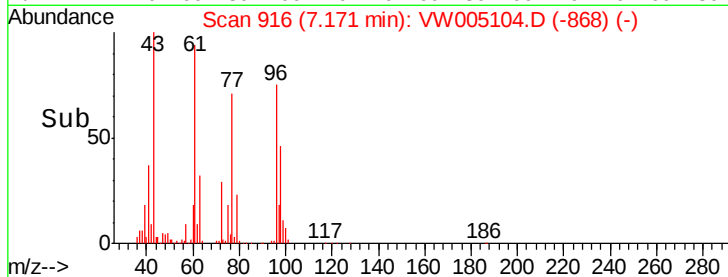
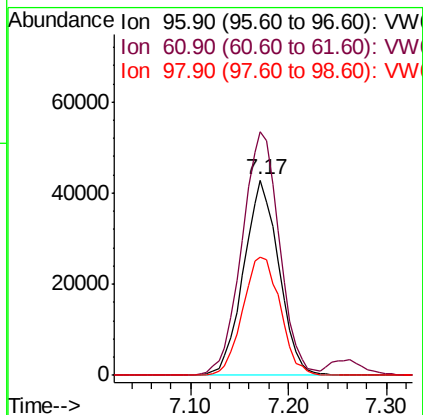
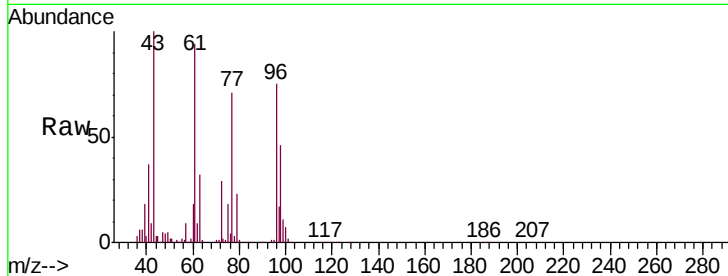


#27

cis-1,2-Dichloroethene
 Concen: 21.265 ug/l
 RT: 7.17 min Scan# 916
 Delta R.T. -0.01 min
 Lab File: VW005104.D
 Acq: 05 Sep 2018 03:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0904SBSD02

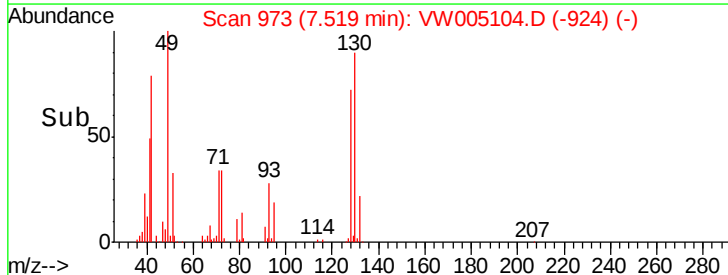
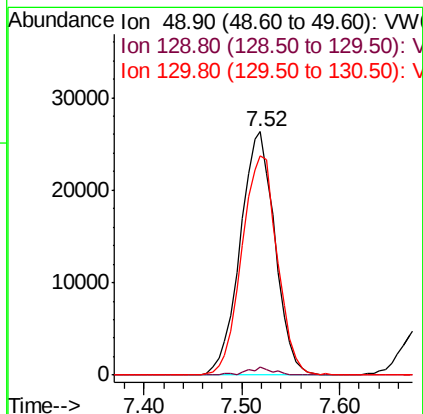
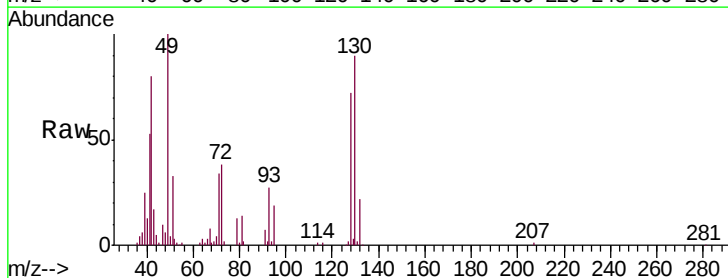
Tgt Ion	Ratio	Lower	Upper
96	100		
61	132.9	0.0	273.2
98	64.5	0.0	127.8

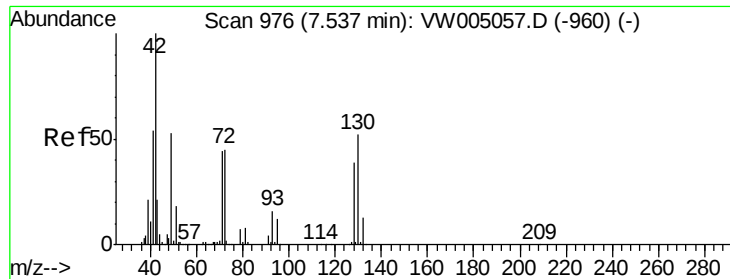


#28

Bromochloromethane
 Concen: 20.661 ug/l
 RT: 7.52 min Scan# 973
 Delta R.T. -0.00 min
 Lab File: VW005104.D
 Acq: 05 Sep 2018 03:26

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.4
130	92.0	69.6	104.4

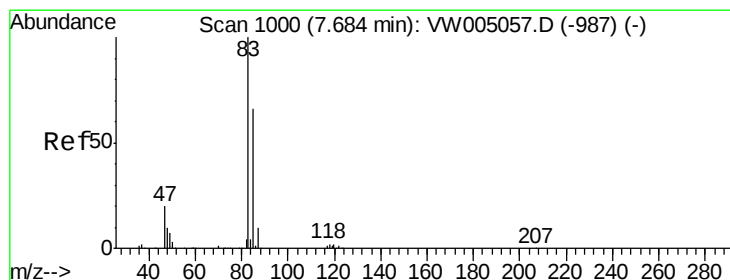
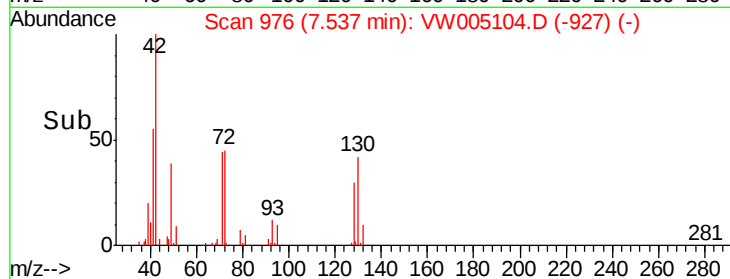
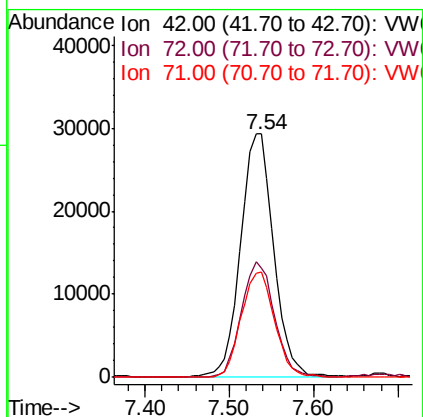
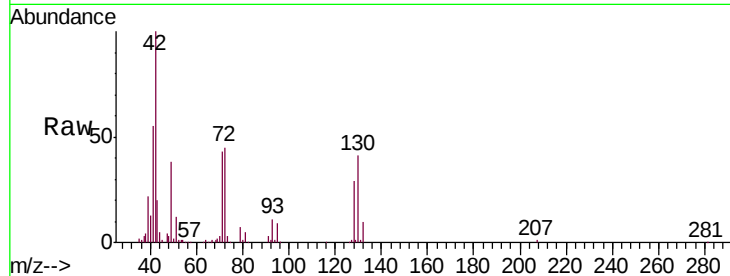




#29
Tetrahydrofuran
Concen: 111.802 ug/l
RT: 7.54 min Scan# 976
Delta R.T. -0.00 min
Lab File: VW005104.D
Acq: 05 Sep 2018 03:26

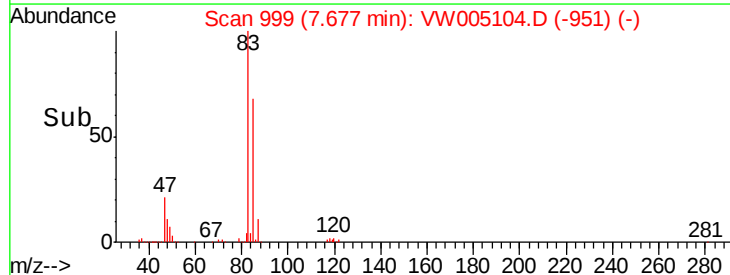
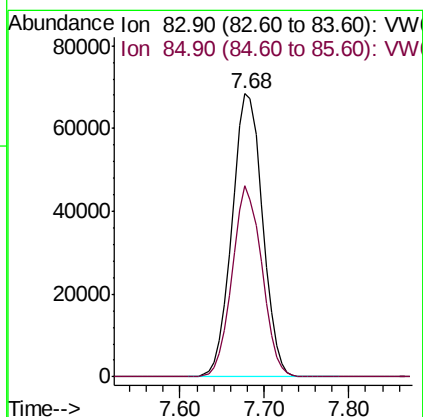
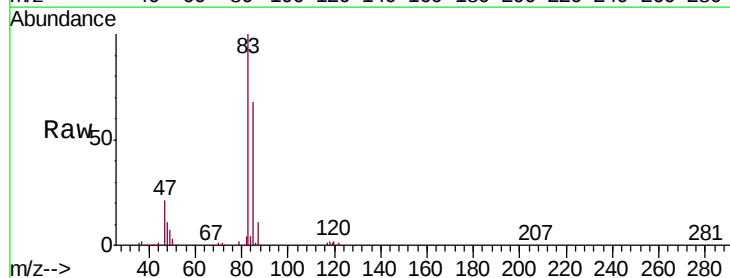
Instrument :
MSVOA_W
ClientSampleId :
VW0904SBSD02

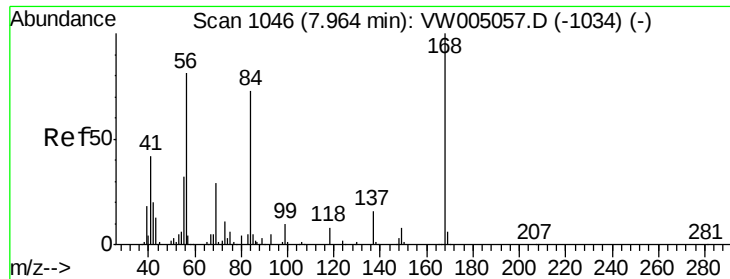
Tgt Ion: 42 Resp: 77441
Ion Ratio Lower Upper
42 100
72 47.6 37.0 55.4
71 43.7 35.0 52.6



#30
Chloroform
Concen: 20.972 ug/l
RT: 7.68 min Scan# 999
Delta R.T. -0.01 min
Lab File: VW005104.D
Acq: 05 Sep 2018 03:26

Tgt Ion: 83 Resp: 167306
Ion Ratio Lower Upper
83 100
85 67.6 53.1 79.7

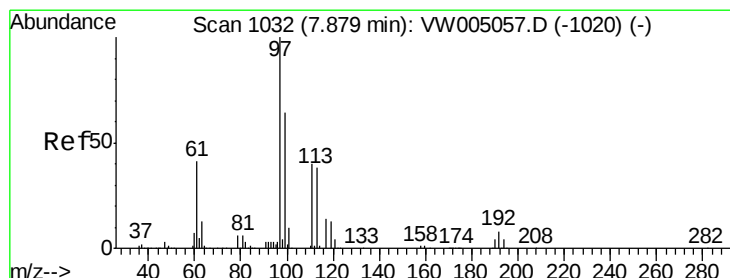
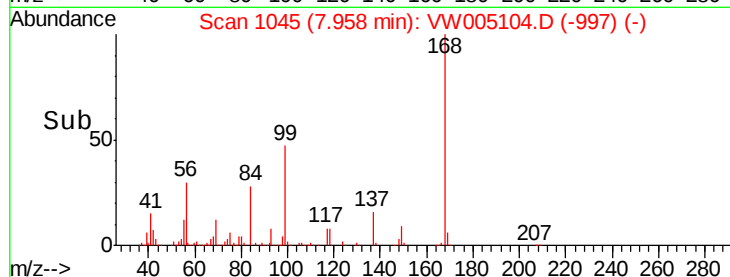
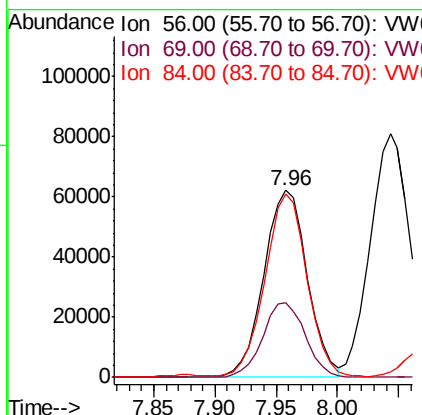
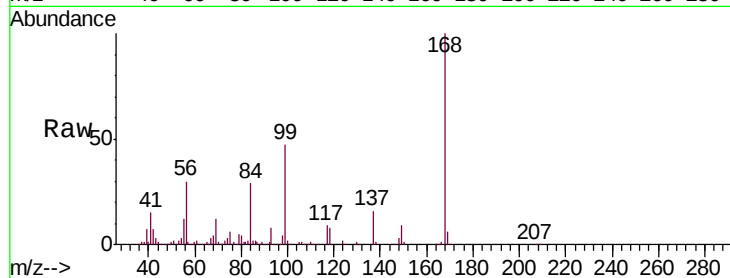




#31
Cyclohexane
Concen: 20.134 ug/l
RT: 7.96 min Scan# 1045
Delta R.T. -0.01 min
Lab File: VW005104.D
Acq: 05 Sep 2018 03:26

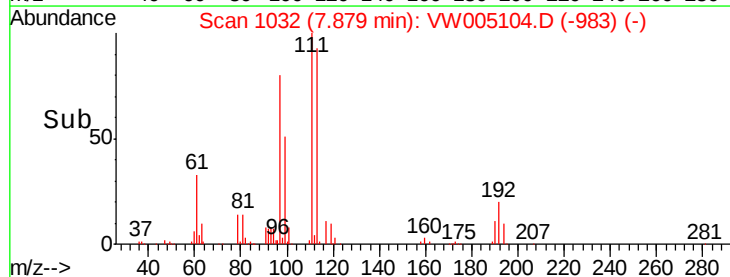
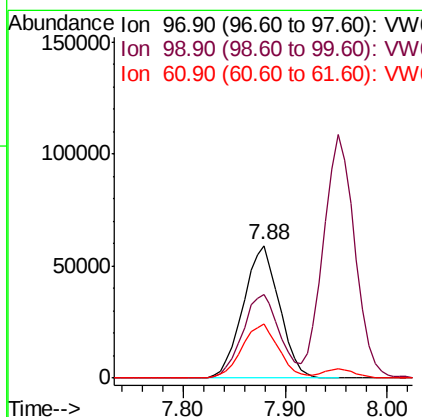
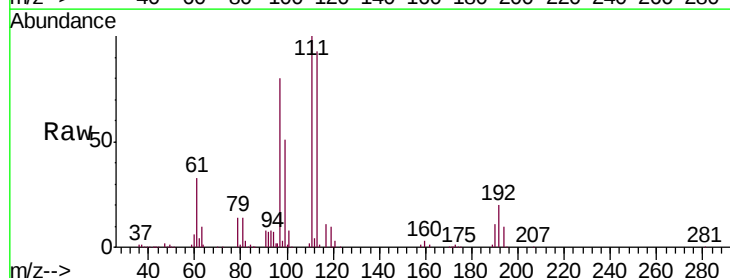
Instrument :
MSVOA_W
ClientSampleId :
VW0904SBSD02

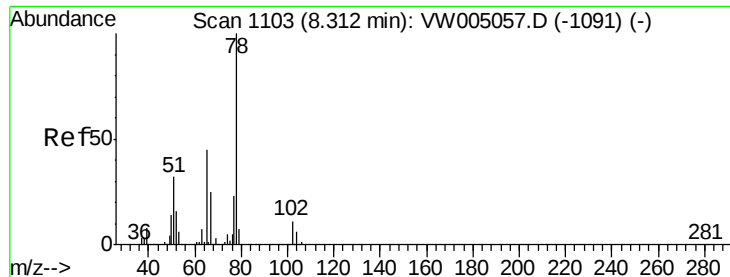
Tgt Ion: 56 Resp: 154109
Ion Ratio Lower Upper
56 100
69 39.8 28.2 42.2
84 96.9 71.8 107.8



#32
1,1,1-Trichloroethane
Concen: 20.979 ug/l
RT: 7.88 min Scan# 1032
Delta R.T. -0.00 min
Lab File: VW005104.D
Acq: 05 Sep 2018 03:26

Tgt Ion: 97 Resp: 145756
Ion Ratio Lower Upper
97 100
99 65.6 51.8 77.8
61 41.4 33.2 49.8

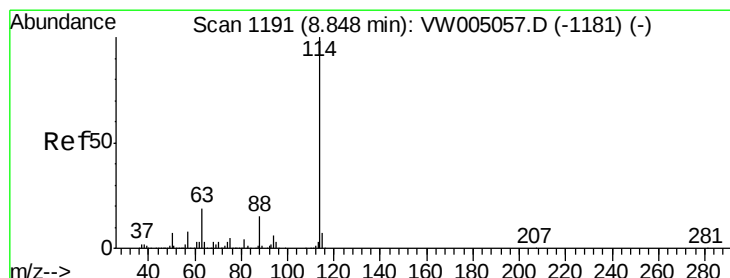
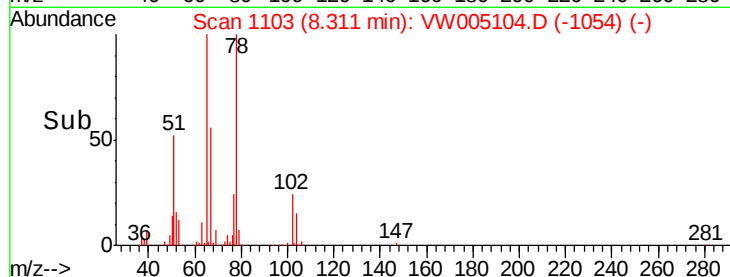
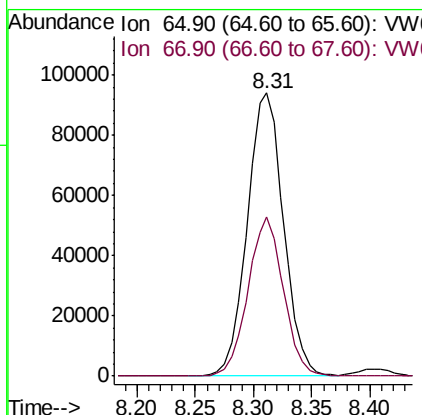
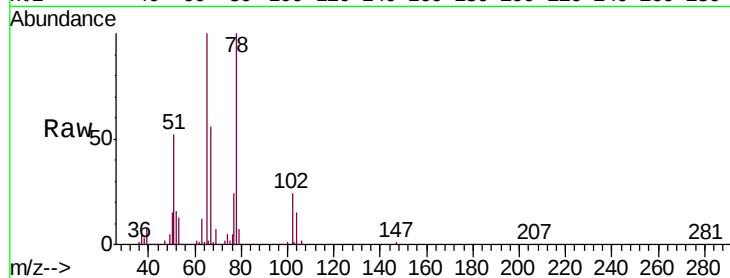




#33
 1,2-Dichloroethane-d4
 Concen: 52.485 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. -0.00 min
 Lab File: VW005104.D
 Acq: 05 Sep 2018 03:26

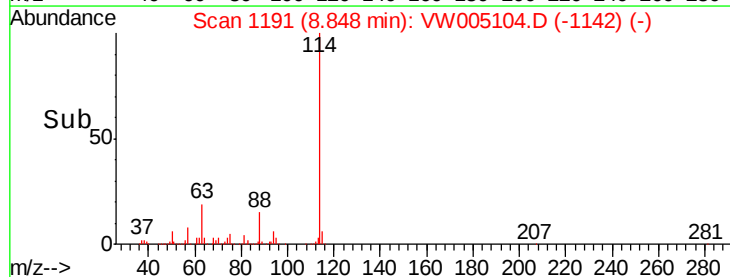
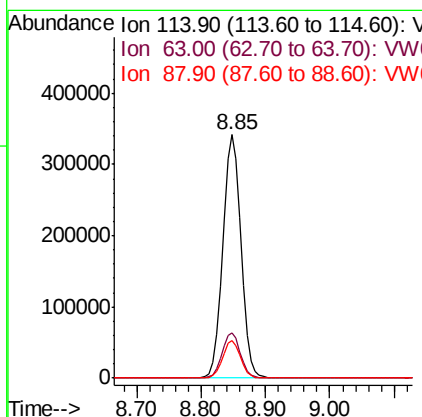
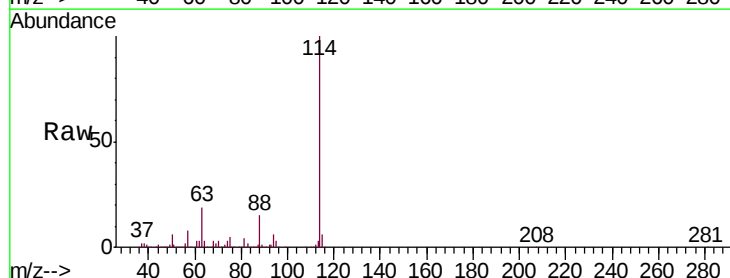
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0904SBSD02

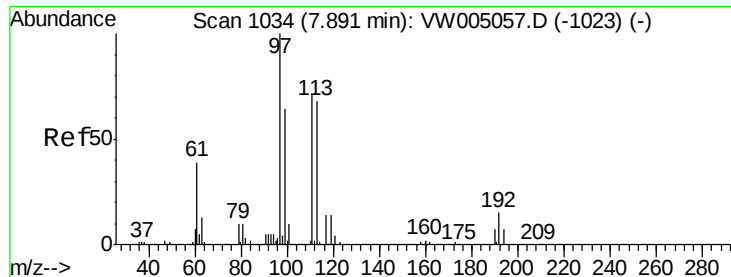
Tgt Ion: 65 Resp: 204542
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW005104.D
 Acq: 05 Sep 2018 03:26

Tgt Ion: 114 Resp: 680479
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 38.0
 88 15.3 0.0 30.2

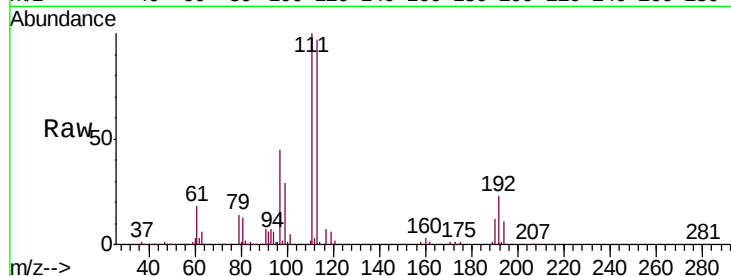




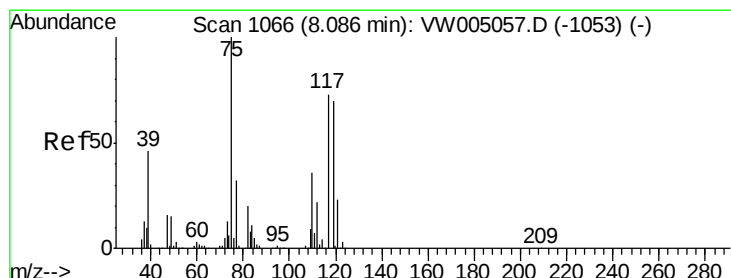
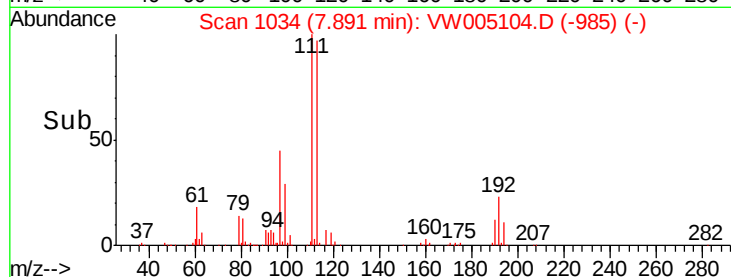
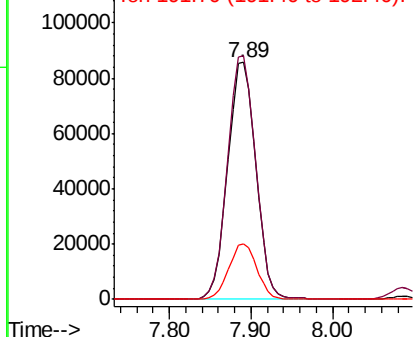
#35
 Dibromofluoromethane
 Concen: 52.033 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. -0.00 min
 Lab File: VW005104.D
 Acq: 05 Sep 2018 03:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0904SBSD02

Tgt Ion: 113 Resp: 204612
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.2 123.2
 192 23.3 18.1 27.1

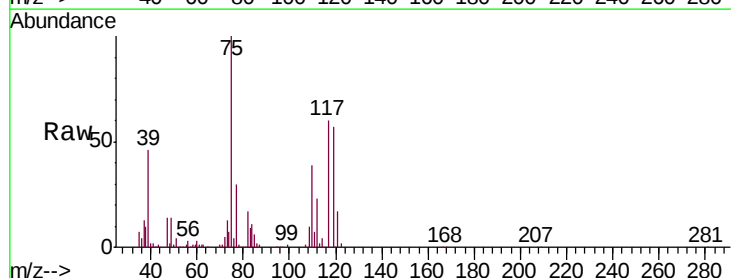


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

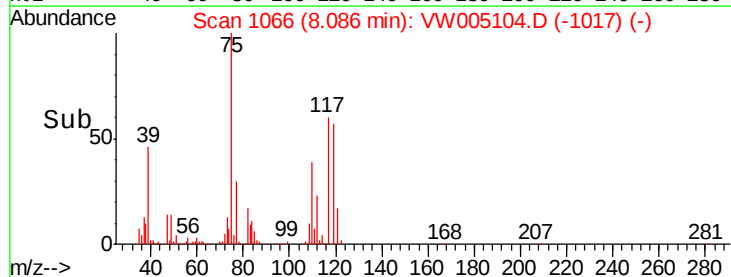
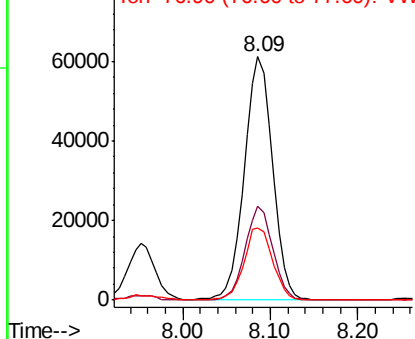


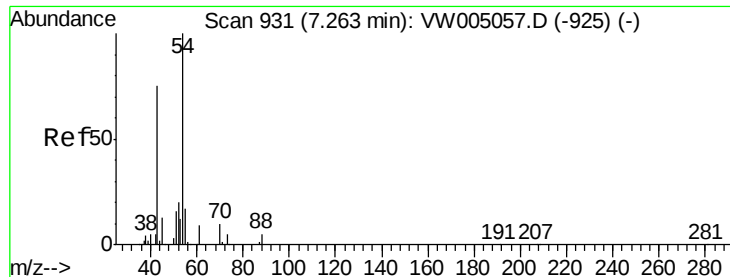
#36
 1,1-Dichloropropene
 Concen: 21.135 ug/l
 RT: 8.09 min Scan# 1066
 Delta R.T. -0.00 min
 Lab File: VW005104.D
 Acq: 05 Sep 2018 03:26

Tgt Ion: 75 Resp: 136975
 Ion Ratio Lower Upper
 75 100
 110 37.8 18.9 56.7
 77 30.4 25.5 38.3



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

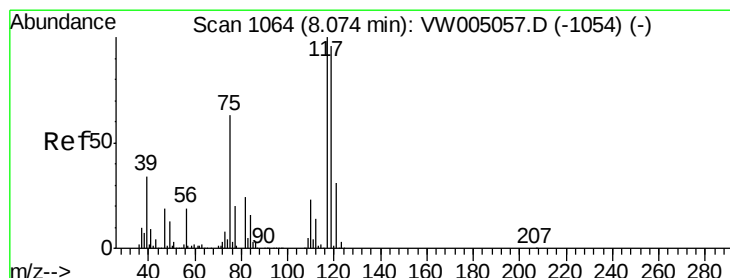
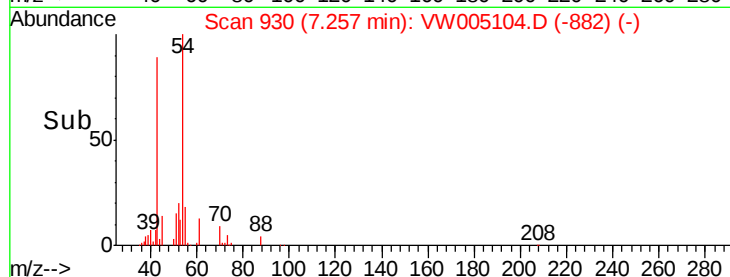
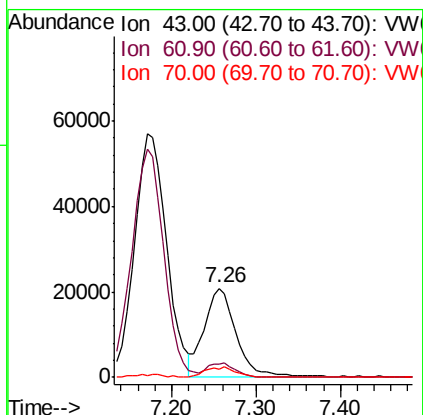
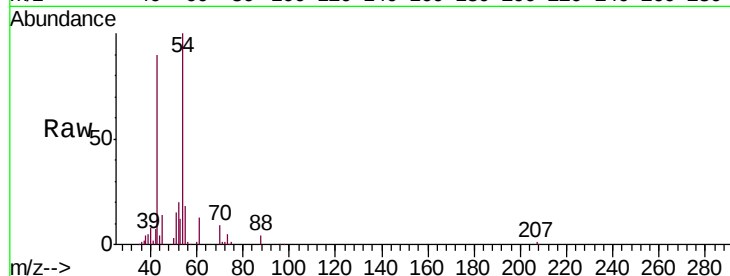




#37
Ethyl Acetate
Concen: 22.488 ug/l
RT: 7.26 min Scan# 930
Delta R.T. -0.01 min
Lab File: VW005104.D
Acq: 05 Sep 2018 03:26

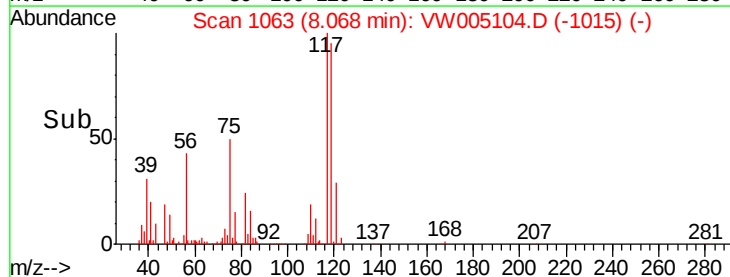
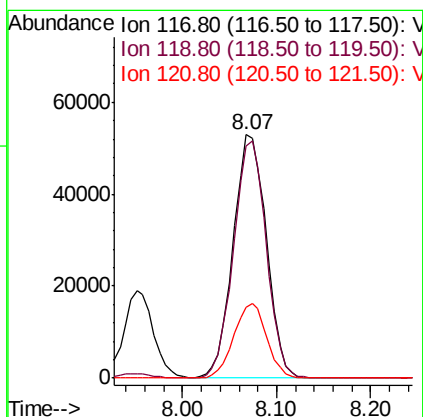
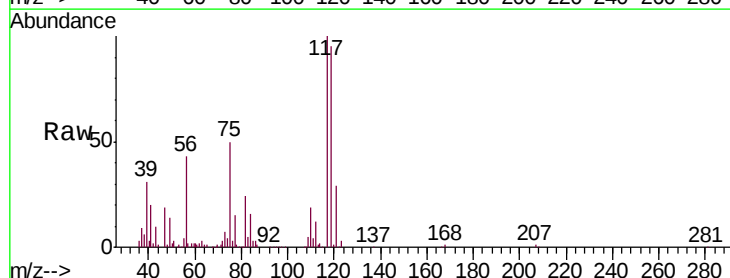
Instrument :
MSVOA_W
ClientSampled :
VW0904SBSD02

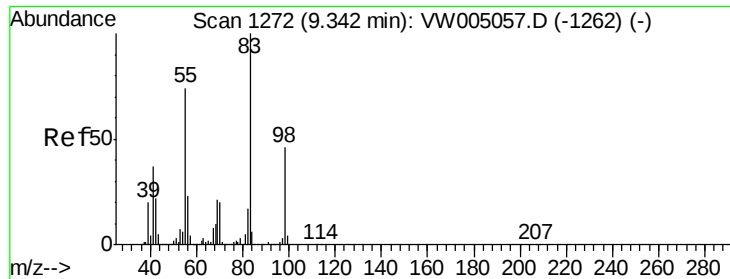
Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.8	12.1	18.1
70	11.6	9.4	14.2



#38
Carbon Tetrachloride
Concen: 21.182 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. -0.01 min
Lab File: VW005104.D
Acq: 05 Sep 2018 03:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	76.6	115.0
121	28.8	24.8	37.2

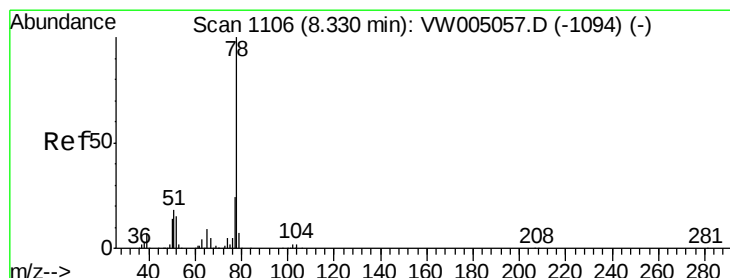
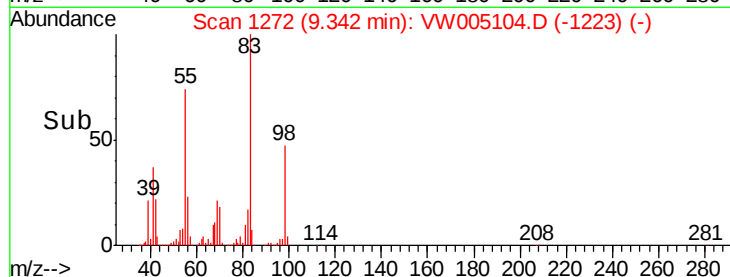
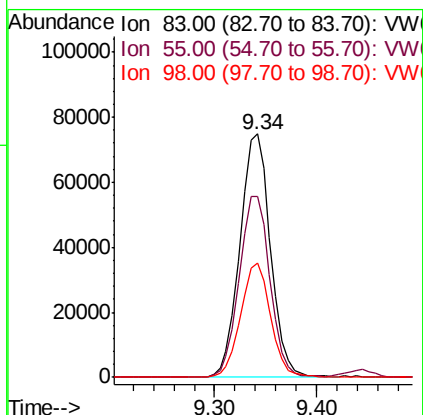
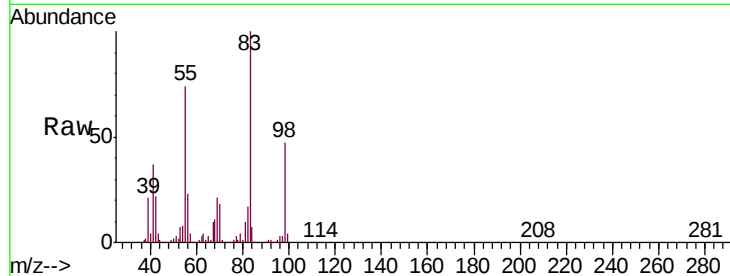




#39
Methylcyclohexane
Concen: 19.887 ug/l
RT: 9.34 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VW005104.D
Acq: 05 Sep 2018 03:26

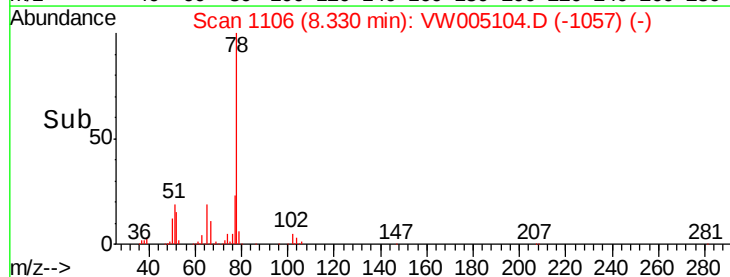
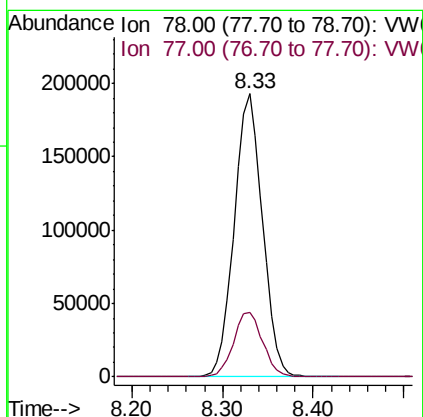
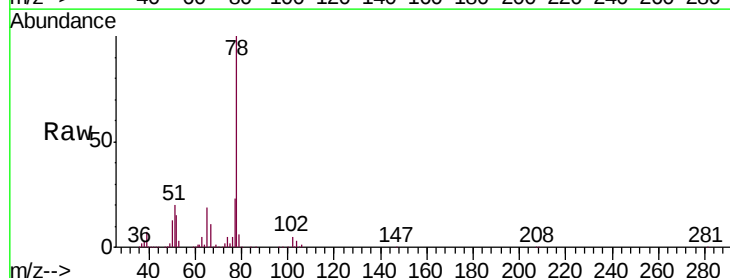
Instrument :
MSVOA_W
ClientSampleId :
VW0904SBSD02

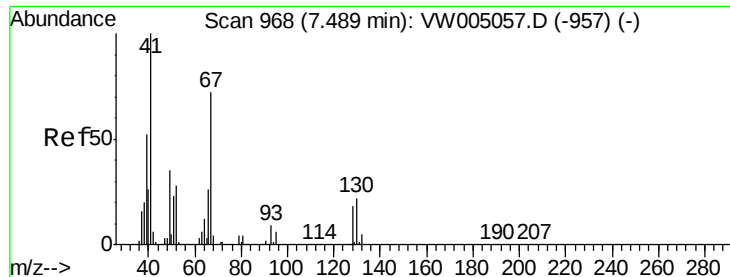
Tgt Ion: 83 Resp: 155868
Ion Ratio Lower Upper
83 100
55 74.1 58.9 88.3
98 47.1 36.8 55.2



#40
Benzene
Concen: 21.023 ug/l
RT: 8.33 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VW005104.D
Acq: 05 Sep 2018 03:26

Tgt Ion: 78 Resp: 417095
Ion Ratio Lower Upper
78 100
77 23.0 19.4 29.0

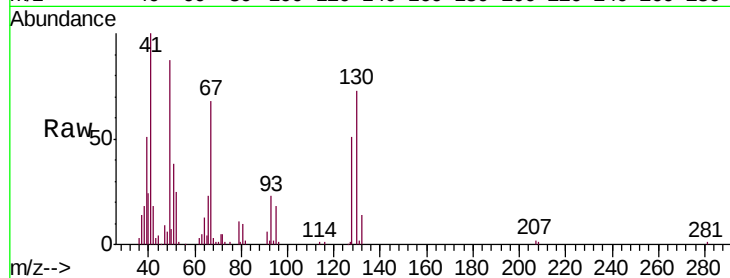




#41
Methacrylonitrile
Concen: 22.202 ug/l
RT: 7.49 min Scan# 969
Delta R.T. 0.01 min
Lab File: VW005104.D
Acq: 05 Sep 2018 03:26

Instrument :
MSVOA_W
ClientSampleId :
VW0904SBSD02

Tgt Ion:	41	Resp:	31178
Ion	Ratio	Lower	Upper
41	100		
39	51.9	41.8	62.8
67	81.4	60.4	90.6
52	30.7	23.8	35.8



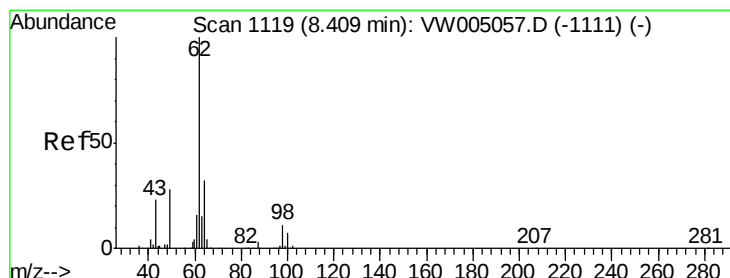
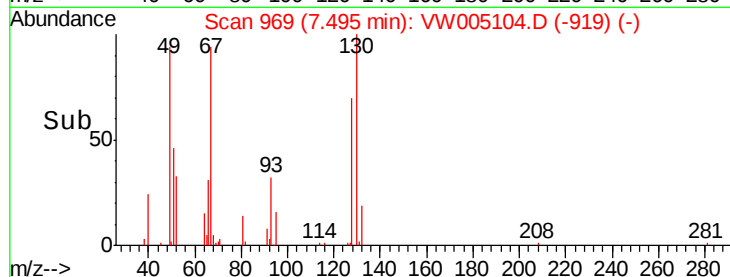
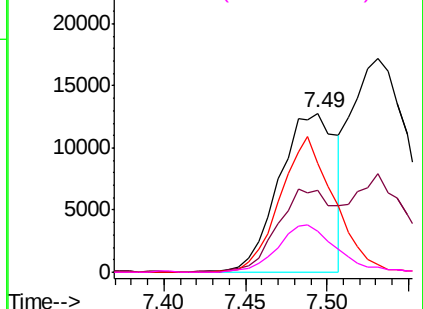
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

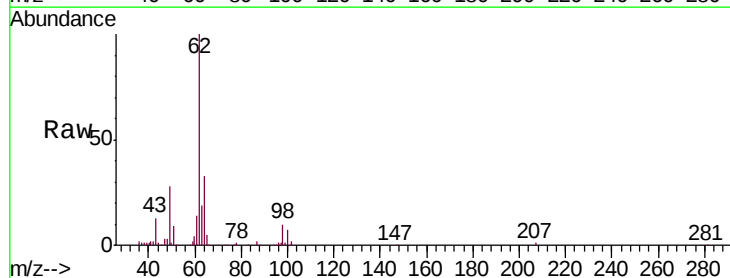
Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42
1,2-Dichloroethane
Concen: 21.523 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. -0.01 min
Lab File: VW005104.D
Acq: 05 Sep 2018 03:26

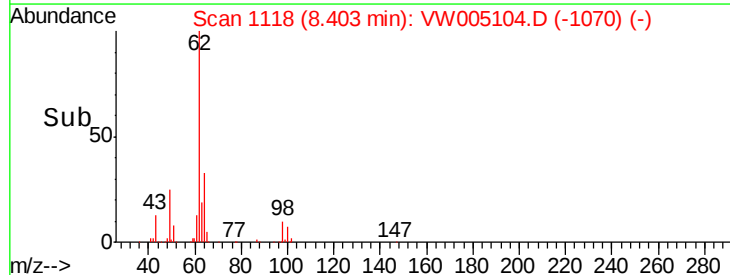
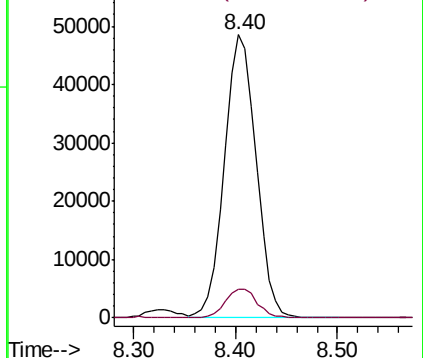
Tgt Ion:	62	Resp:	104506
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	21.8

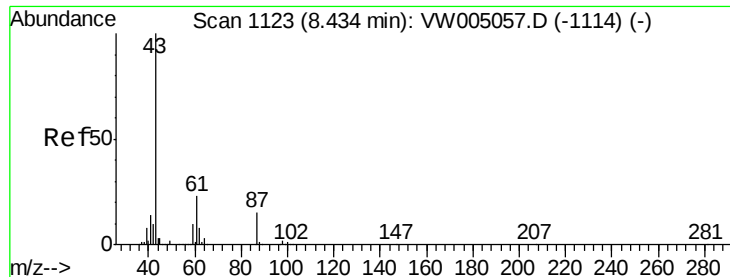


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 21.298 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VW005104.D

Acq: 05 Sep 2018 03:26

Instrument :

MSVOA_W

ClientSampleId :

VW0904SBSD02

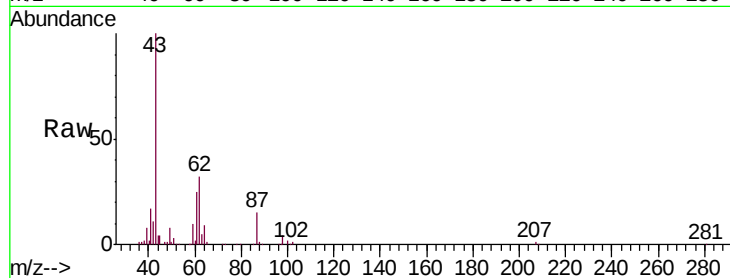
Tgt Ion: 43 Resp: 93930

Ion Ratio Lower Upper

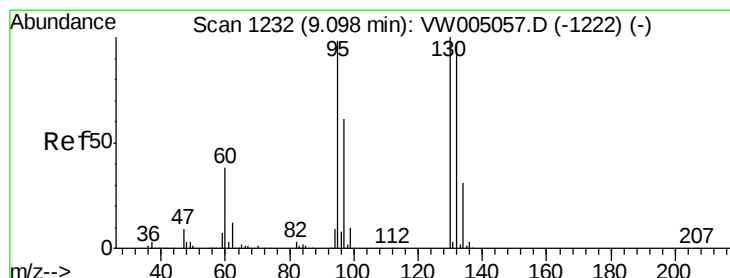
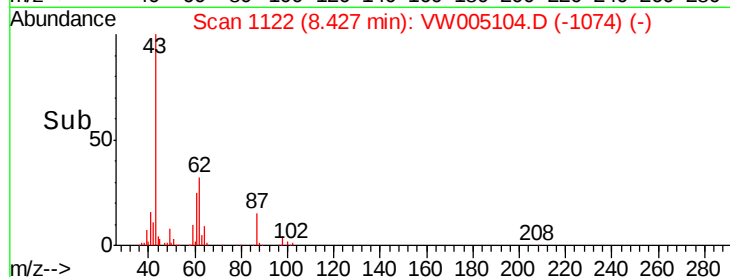
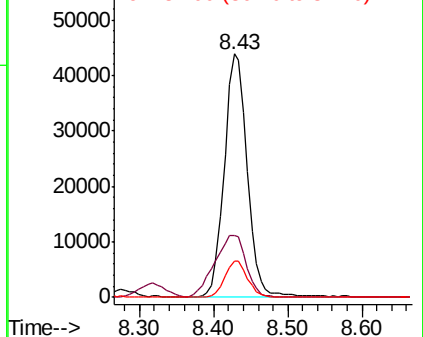
43 100

61 34.3 26.8 40.2

87 15.0 11.6 17.4



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



#44

Trichloroethene

Concen: 21.606 ug/l

RT: 9.10 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VW005104.D

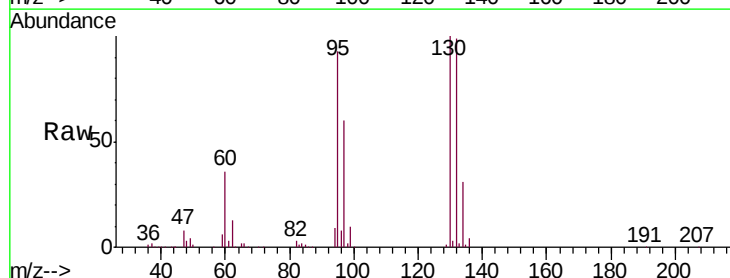
Acq: 05 Sep 2018 03:26

Tgt Ion: 130 Resp: 115661

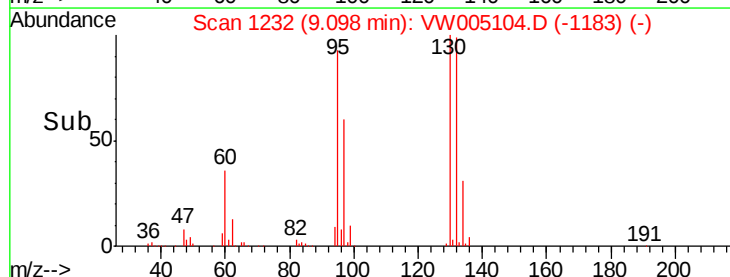
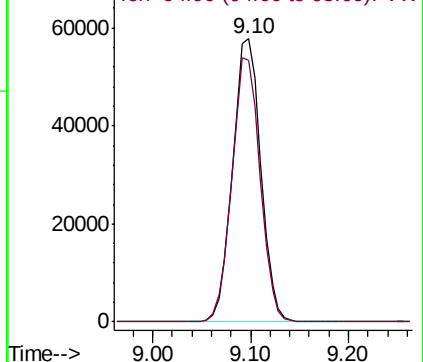
Ion Ratio Lower Upper

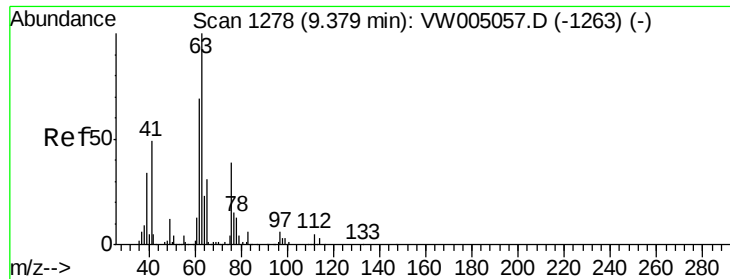
130 100

95 92.6 0.0 195.2



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

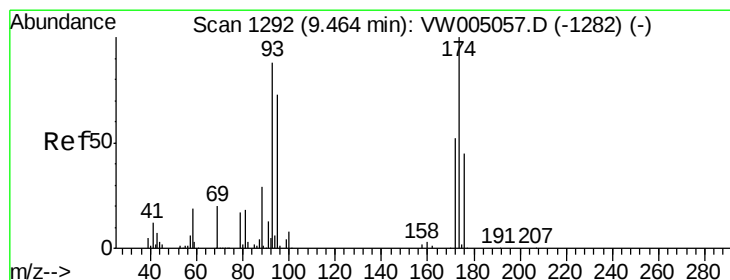
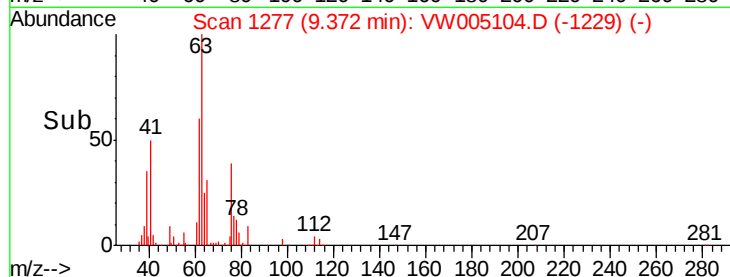
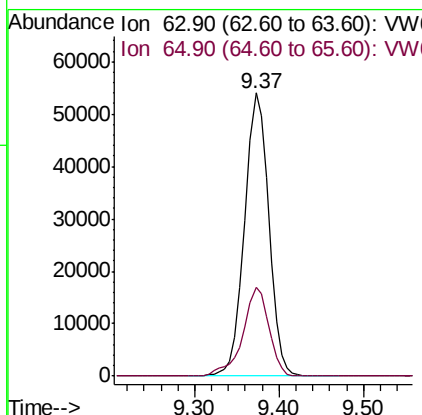
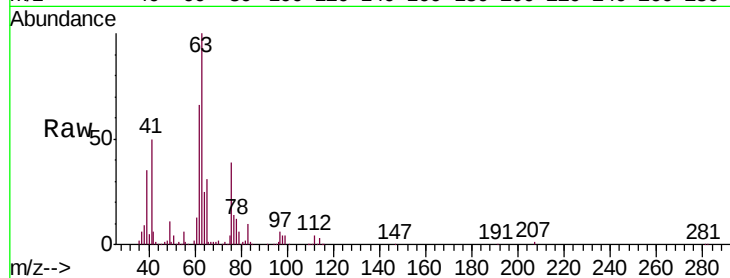




#45
 1,2-Dichloropropane
 Concen: 21.559 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.01 min
 Lab File: VW005104.D
 Acq: 05 Sep 2018 03:26

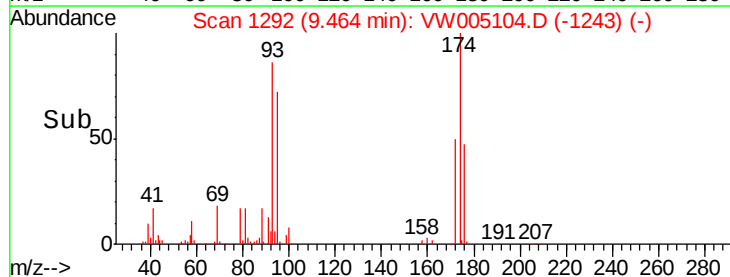
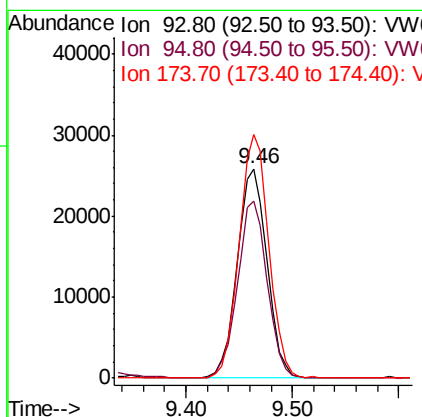
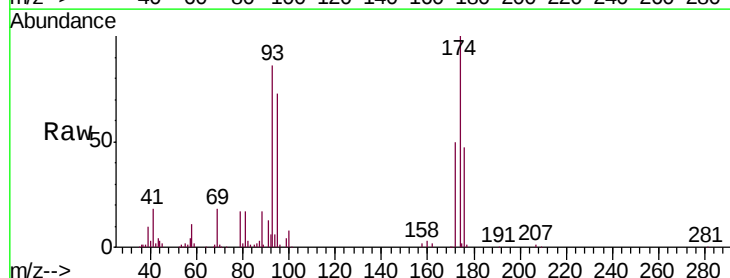
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0904SBSD02

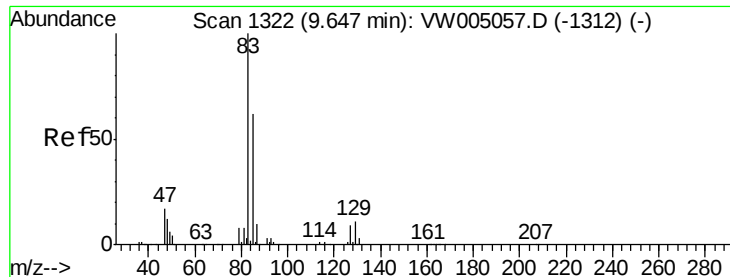
Tgt Ion: 63 Resp: 104492
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.6 37.0



#46
 Dibromomethane
 Concen: 21.955 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. -0.00 min
 Lab File: VW005104.D
 Acq: 05 Sep 2018 03:26

Tgt Ion: 93 Resp: 50884
 Ion Ratio Lower Upper
 93 100
 95 84.1 66.2 99.4
 174 115.7 92.0 138.0





#47

Bromodichloromethane

Concen: 21.758 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW005104.D

Acq: 05 Sep 2018 03:26

Instrument :

MSVOA_W

ClientSampleId :

VW0904SBSD02

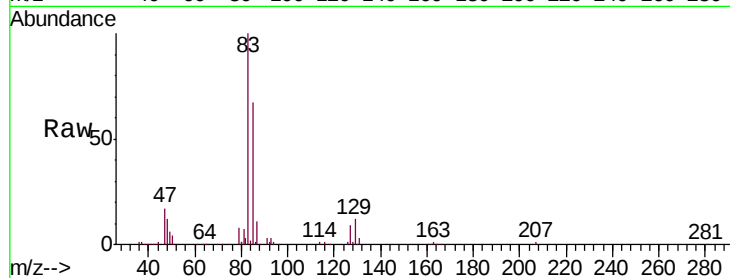
Tgt Ion: 83 Resp: 126973

Ion Ratio Lower Upper

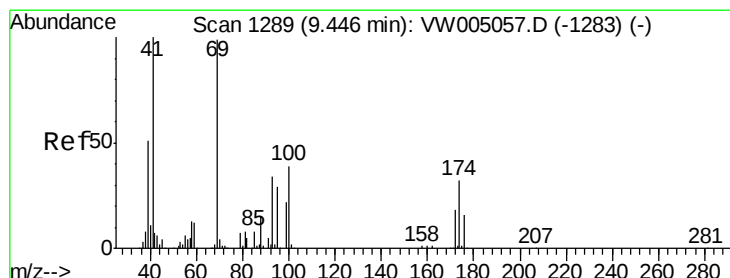
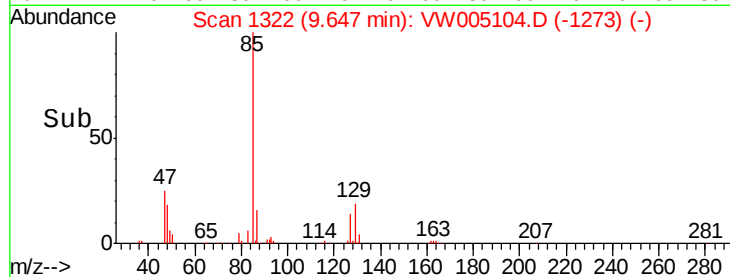
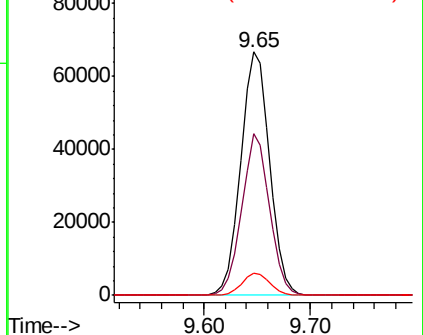
83 100

85 66.6 49.8 74.6

127 9.1 7.0 10.4



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



#48

Methyl methacrylate

Concen: 21.294 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VW005104.D

Acq: 05 Sep 2018 03:26

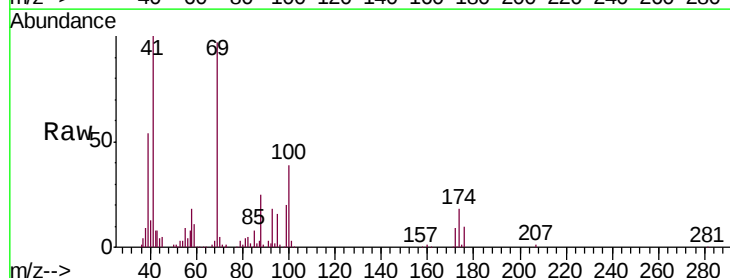
Tgt Ion: 41 Resp: 45221

Ion Ratio Lower Upper

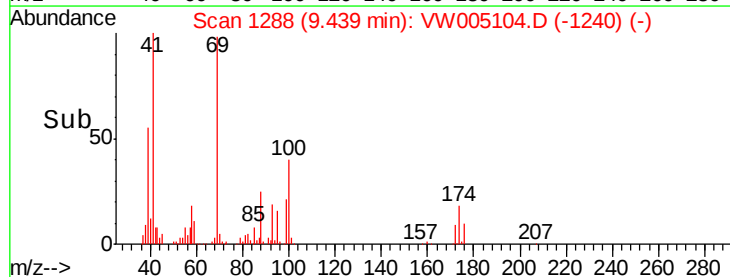
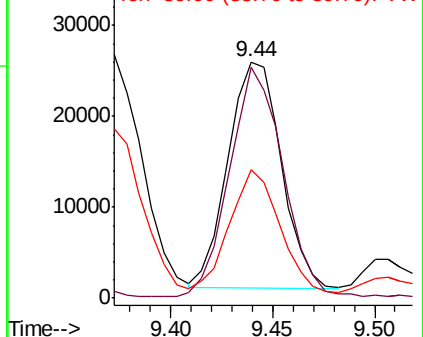
41 100

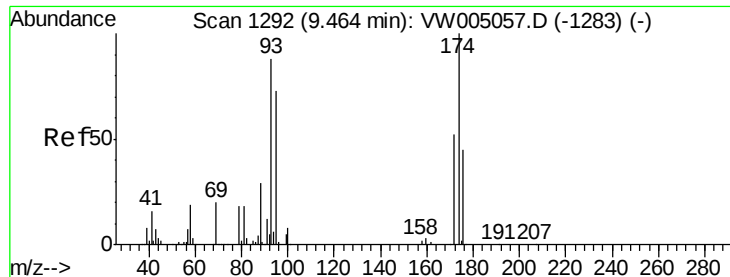
69 104.5 80.4 120.6

39 56.3 43.5 65.3



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: 486.131 ug/l

RT: 9.45 min Scan# 1290

Delta R.T. -0.01 min

Lab File: VW005104.D

Acq: 05 Sep 2018 03:26

Instrument :

MSVOA_W

ClientSampleId :

VW0904SBSD02

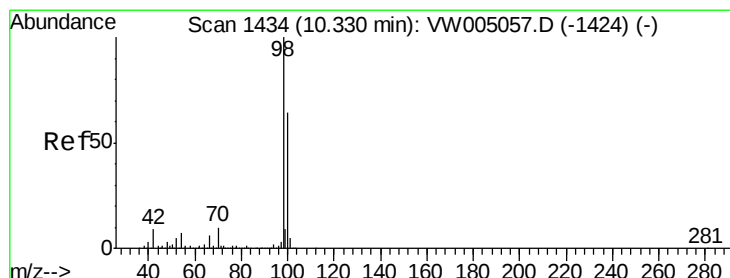
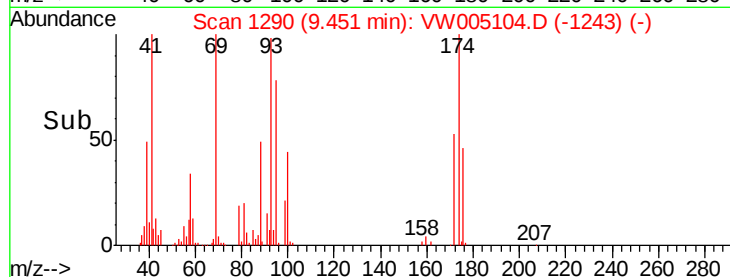
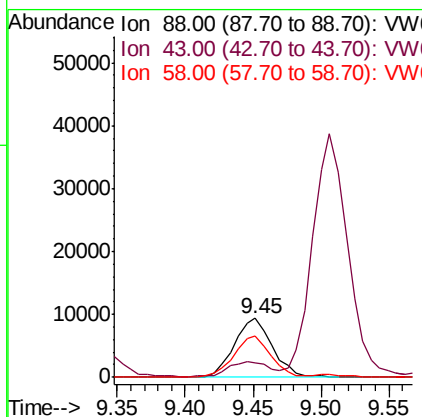
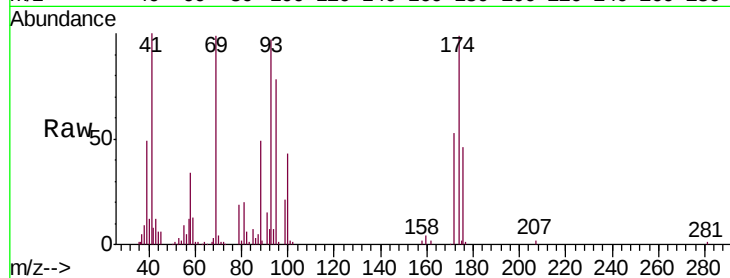
Tgt Ion: 88 Resp: 18220

Ion Ratio Lower Upper

88 100

43 27.8 19.8 29.6

58 68.0 57.1 85.7



#50

Toluene-d8

Concen: 52.183 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW005104.D

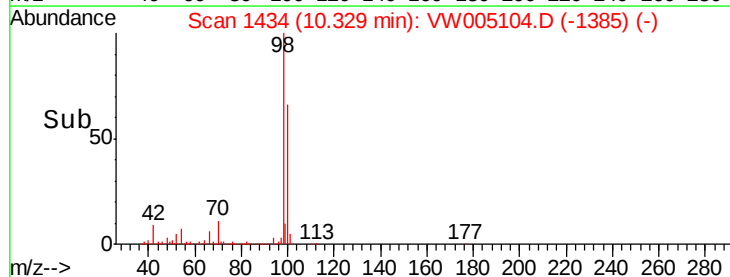
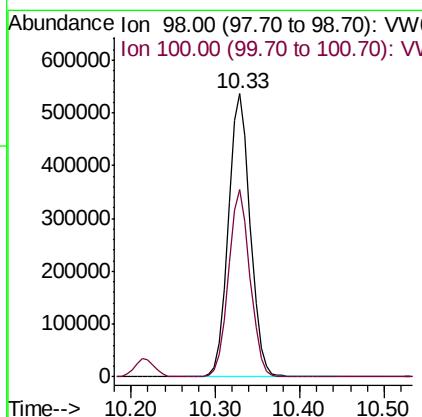
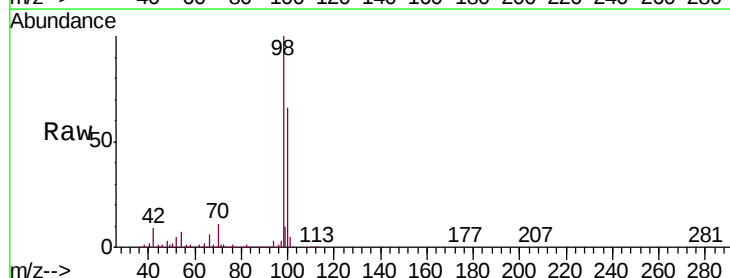
Acq: 05 Sep 2018 03:26

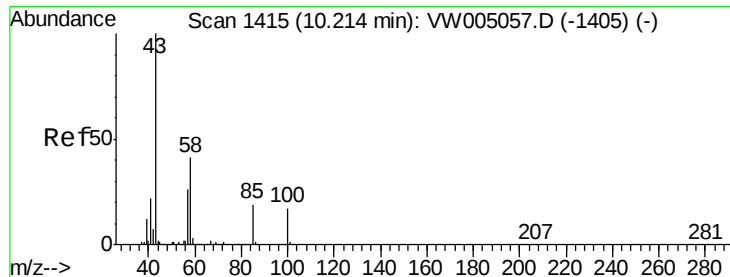
Tgt Ion: 98 Resp: 945536

Ion Ratio Lower Upper

98 100

100 65.1 51.7 77.5

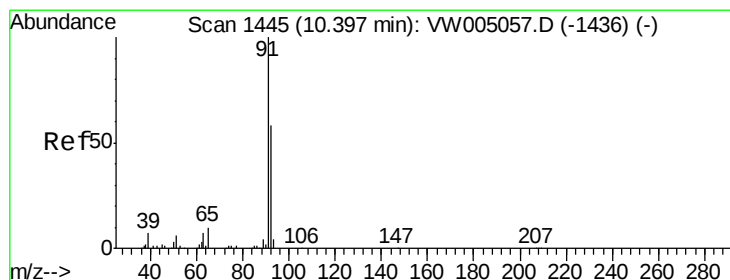
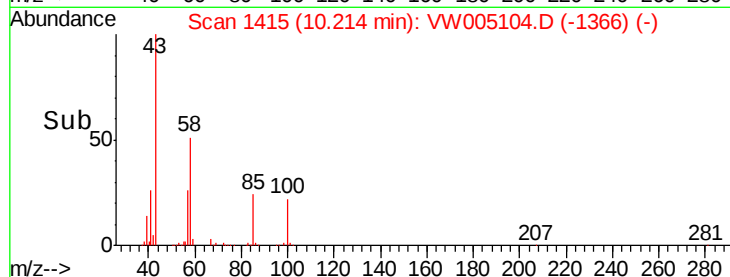
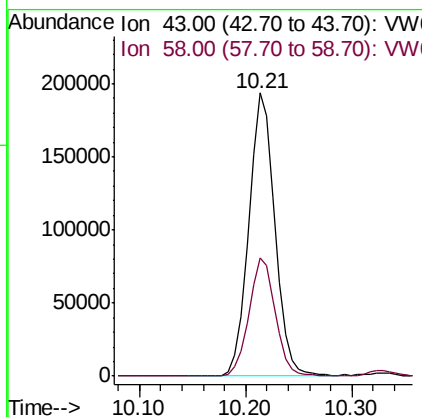
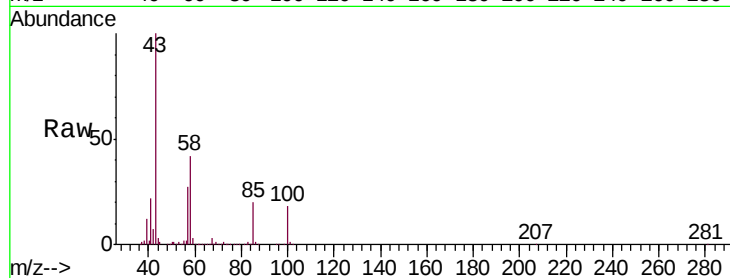




#51
 4-Methyl-2-Pentanone
 Concen: 112.709 ug/l
 RT: 10.21 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VW005104.D
 Acq: 05 Sep 2018 03:26

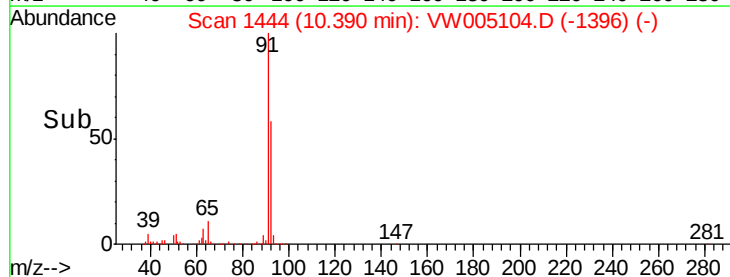
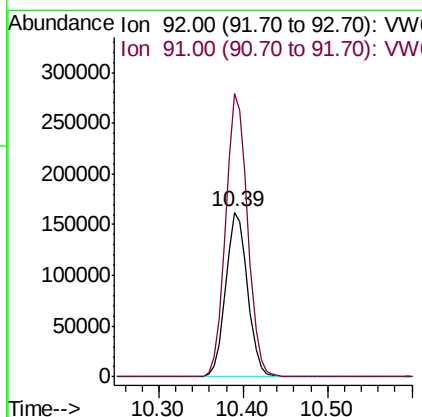
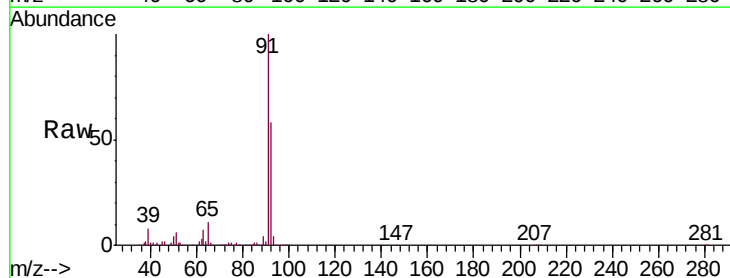
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0904SBSD02

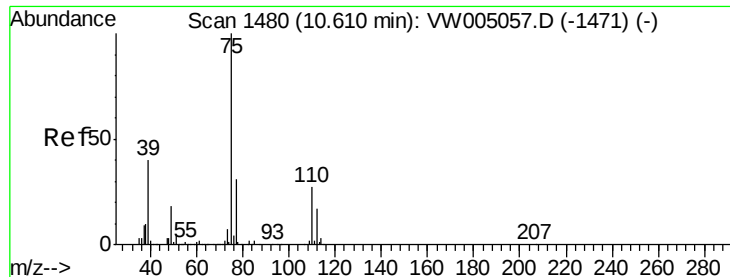
Tgt Ion: 43 Resp: 333148
 Ion Ratio Lower Upper
 43 100
 58 42.0 33.3 49.9



#52
 Toluene
 Concen: 21.395 ug/l
 RT: 10.39 min Scan# 1444
 Delta R.T. -0.01 min
 Lab File: VW005104.D
 Acq: 05 Sep 2018 03:26

Tgt Ion: 92 Resp: 287617
 Ion Ratio Lower Upper
 92 100
 91 172.8 139.2 208.8





#53

t-1,3-Dichloropropene

Concen: 21.026 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW005104.D

Acq: 05 Sep 2018 03:26

Instrument :

MSVOA_W

ClientSampleId :

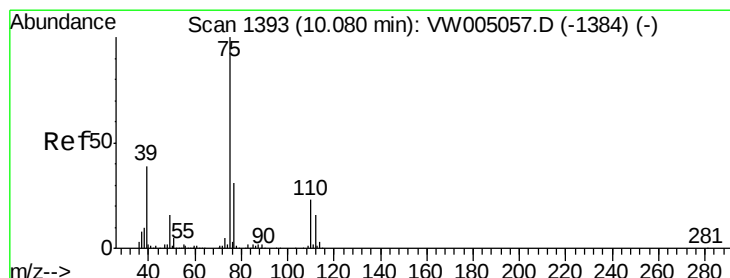
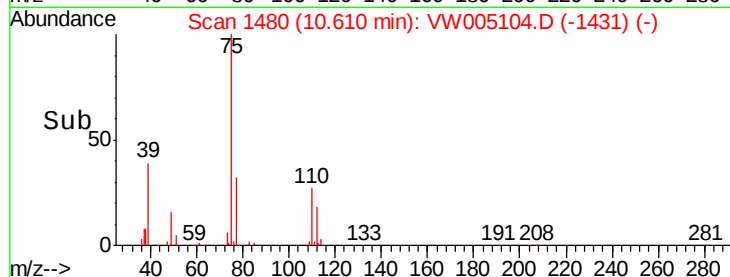
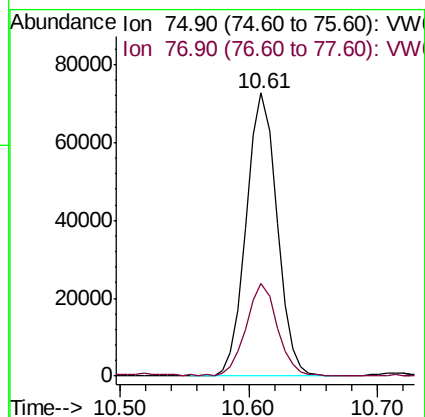
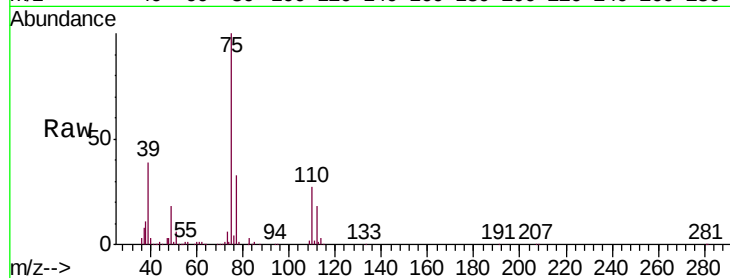
VW0904SBSD02

Tgt Ion: 75 Resp: 120570

Ion Ratio Lower Upper

75 100

77 32.3 25.0 37.6



#54

cis-1,3-Dichloropropene

Concen: 21.491 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW005104.D

Acq: 05 Sep 2018 03:26

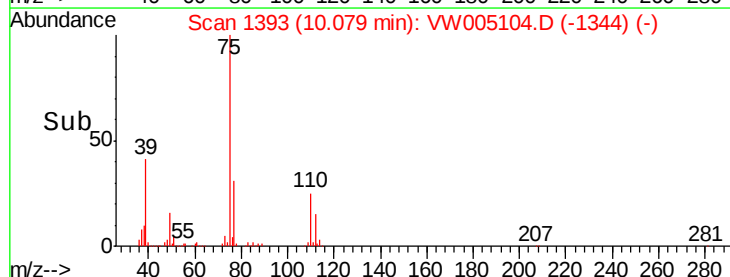
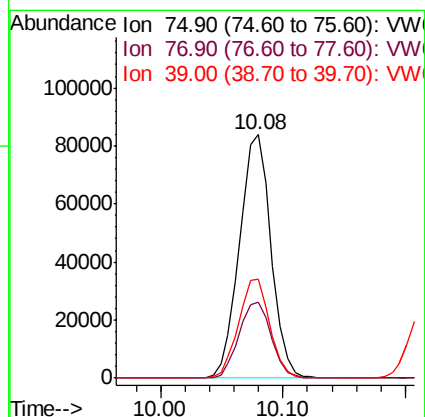
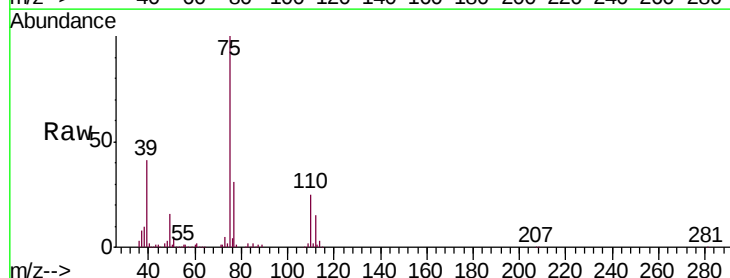
Tgt Ion: 75 Resp: 149874

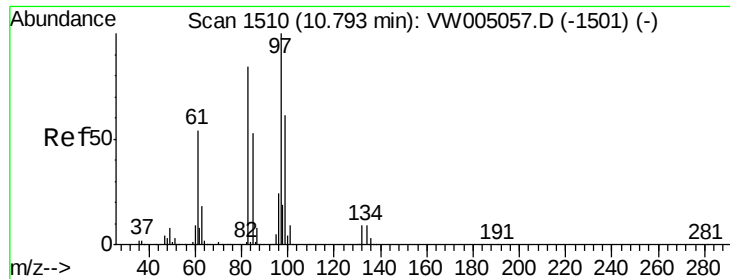
Ion Ratio Lower Upper

75 100

77 31.0 24.9 37.3

39 40.7 31.0 46.6

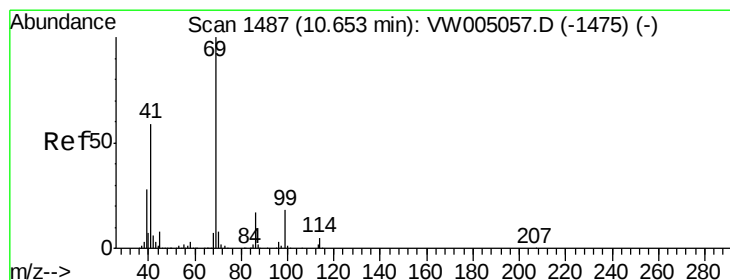
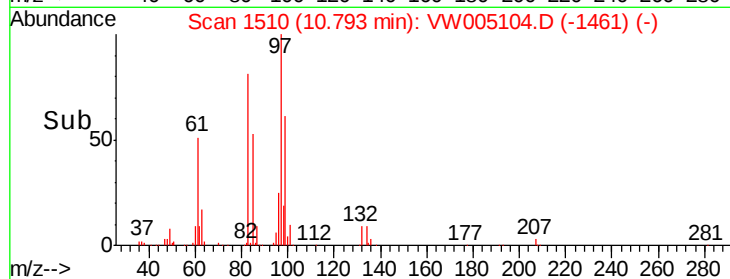
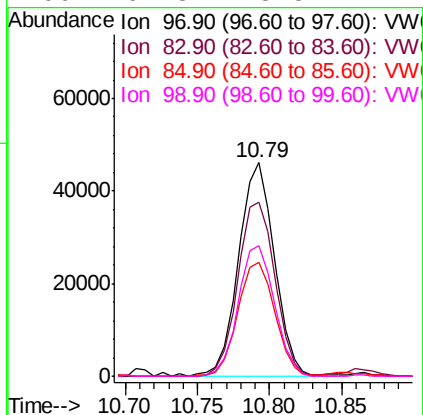
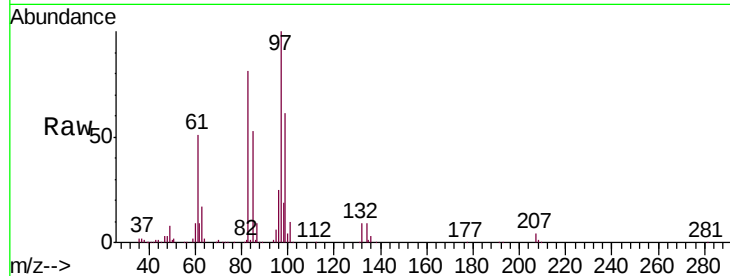




#55
 1,1,2-Trichloroethane
 Concen: 22.203 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW005104.D
 Acq: 05 Sep 2018 03:26

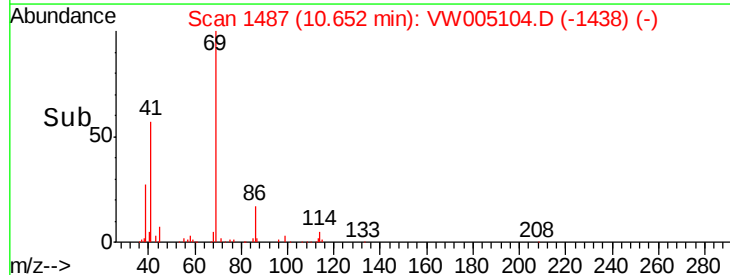
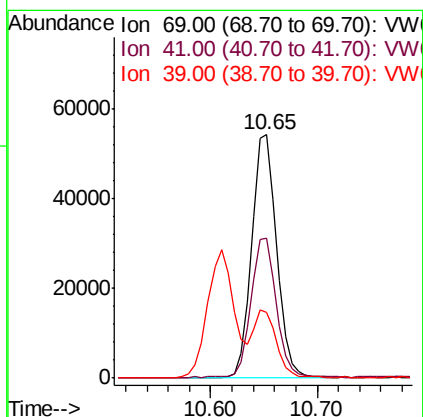
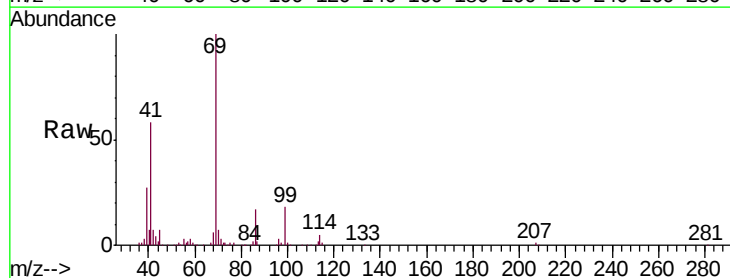
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0904SBSD02

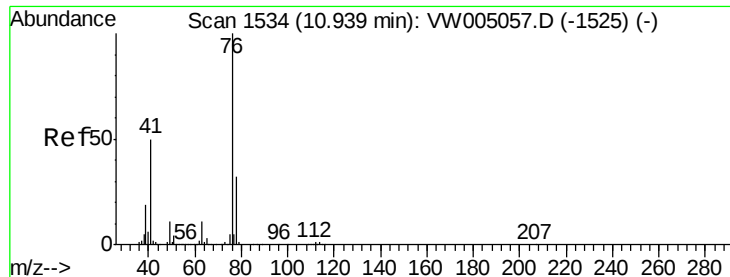
Tgt Ion:	97	Resp:	79672
Ion	Ratio	Lower	Upper
97	100		
83	81.4	67.0	100.6
85	53.2	42.3	63.5
99	61.3	48.5	72.7



#56
 Ethyl methacrylate
 Concen: 21.939 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VW005104.D
 Acq: 05 Sep 2018 03:26

Tgt Ion:	69	Resp:	89816
Ion	Ratio	Lower	Upper
69	100		
41	59.3	47.8	71.6
39	25.3	21.1	31.7





#57

1,3-Dichloropropane

Concen: 21.858 ug/l

RT: 10.93 min Scan# 1533

Delta R.T. -0.01 min

Lab File: VW005104.D

Acq: 05 Sep 2018 03:26

Instrument :

MSVOA_W

ClientSampleId :

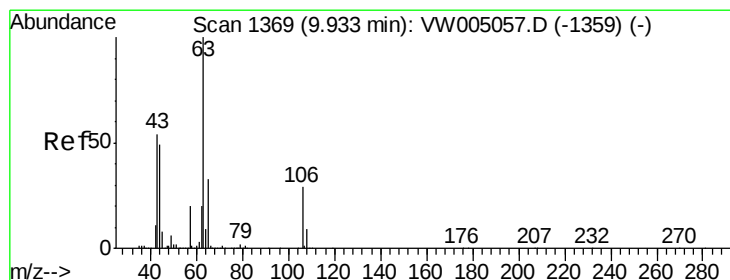
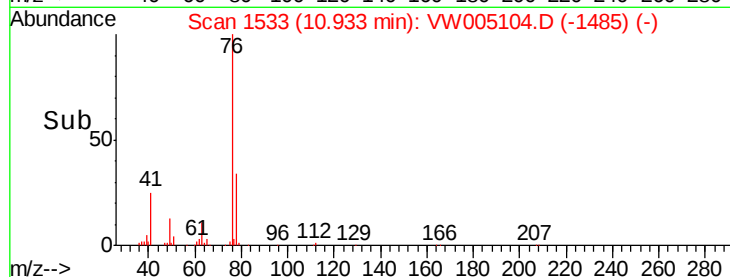
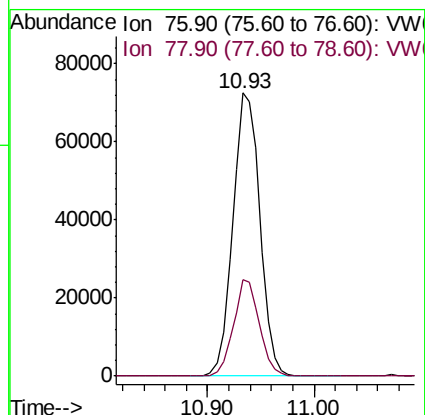
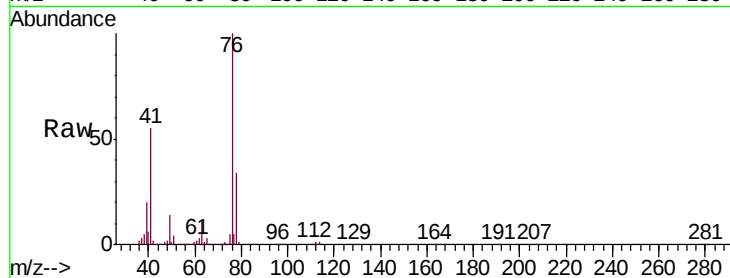
VW0904SBSD02

Tgt Ion: 76 Resp: 129128

Ion Ratio Lower Upper

76 100

78 32.4 26.3 39.5



#58

2-Chloroethyl Vinyl ether

Concen: 108.590 ug/l

RT: 9.93 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VW005104.D

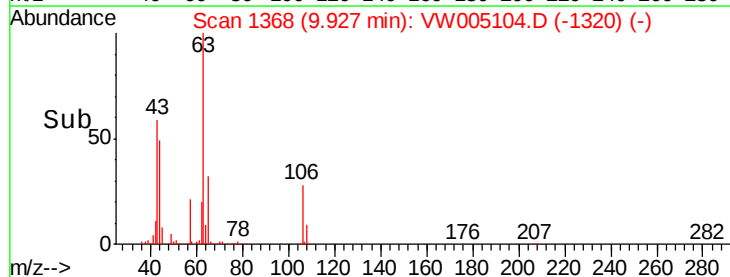
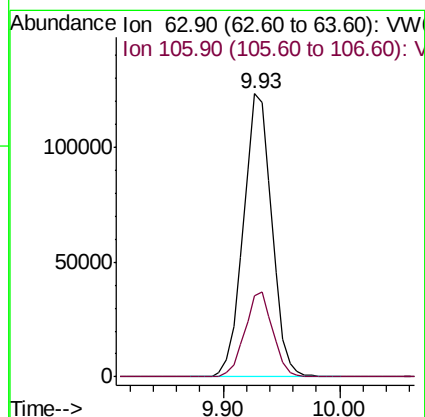
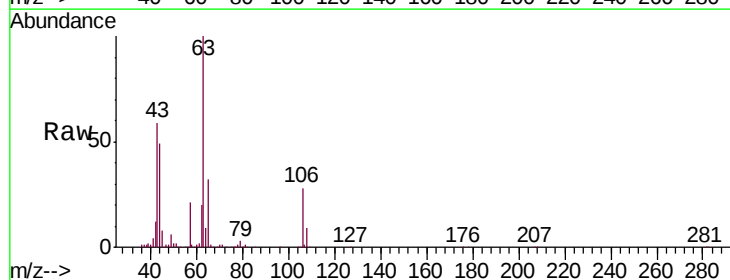
Acq: 05 Sep 2018 03:26

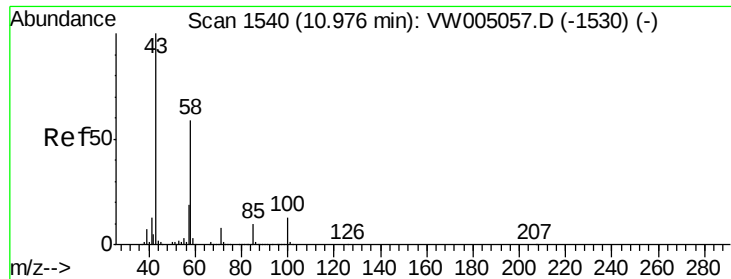
Tgt Ion: 63 Resp: 210649

Ion Ratio Lower Upper

63 100

106 29.5 23.1 34.7

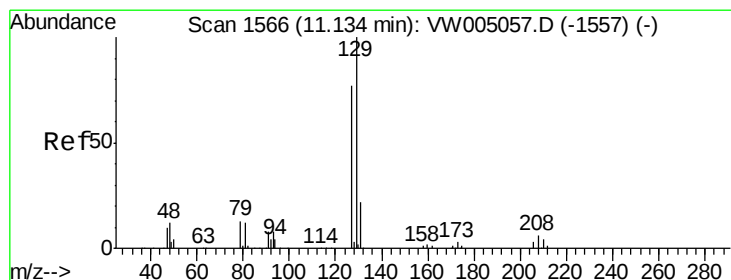
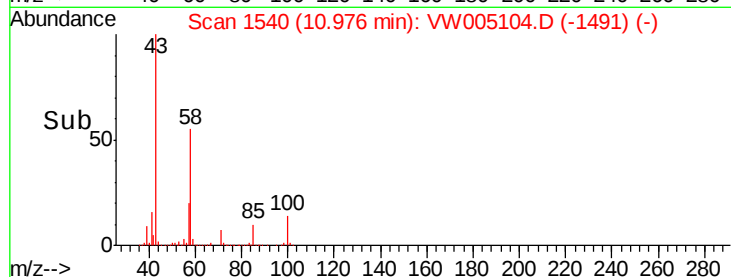
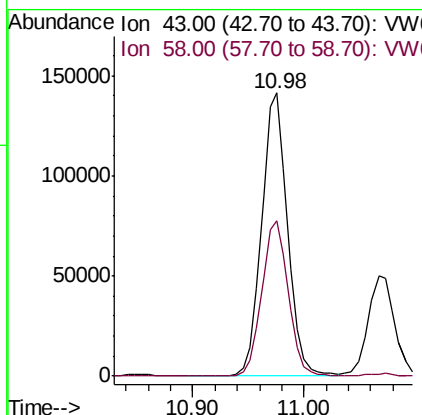
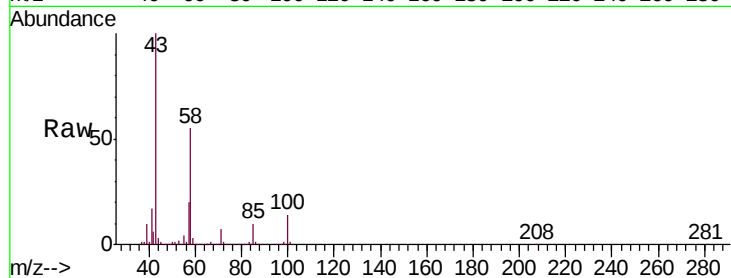




#59
2-Hexanone
Concen: 115.021 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW005104.D
Acq: 05 Sep 2018 03:26

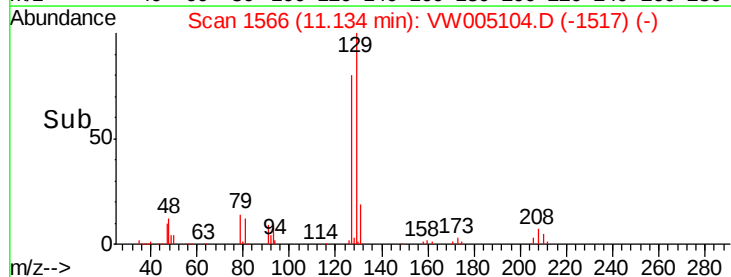
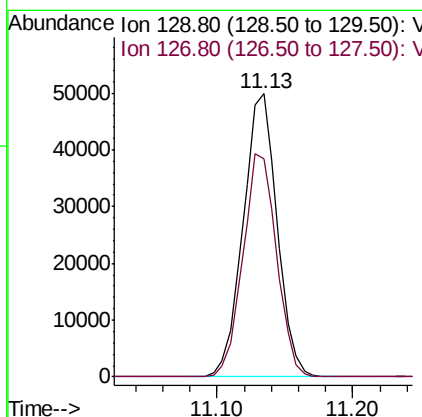
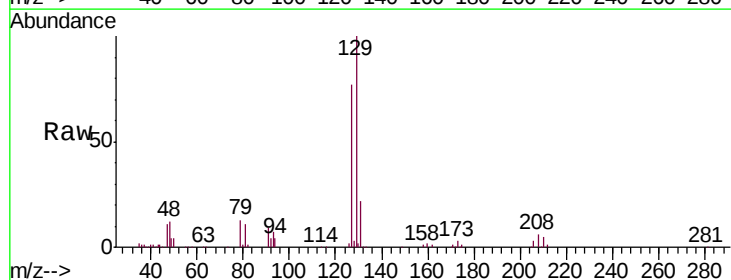
Instrument :
MSVOA_W
ClientSampleId :
VW0904SBSD02

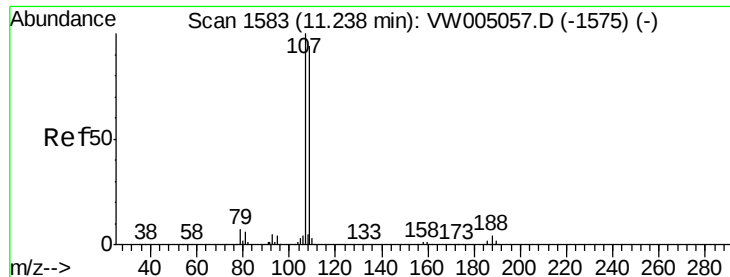
Tgt Ion: 43 Resp: 229949
Ion Ratio Lower Upper
43 100
58 56.1 28.7 86.3



#60
Dibromochloromethane
Concen: 21.513 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW005104.D
Acq: 05 Sep 2018 03:26

Tgt Ion: 129 Resp: 87271
Ion Ratio Lower Upper
129 100
127 78.2 38.9 116.7

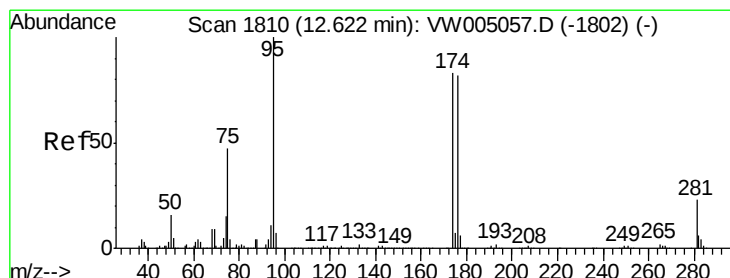
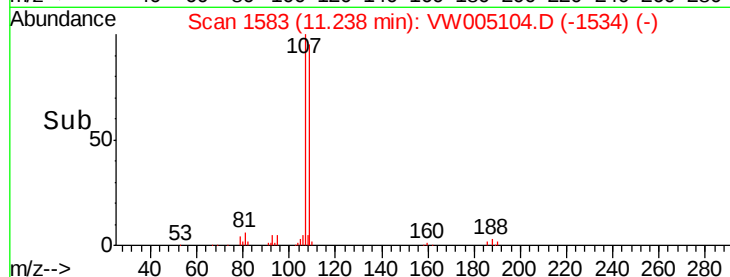
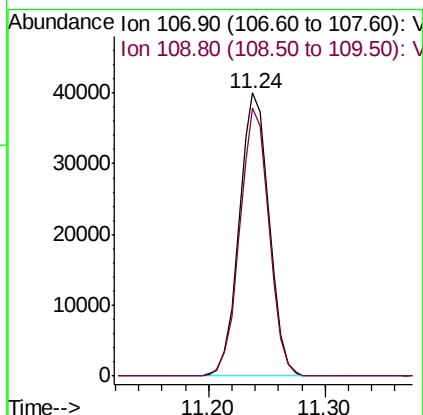
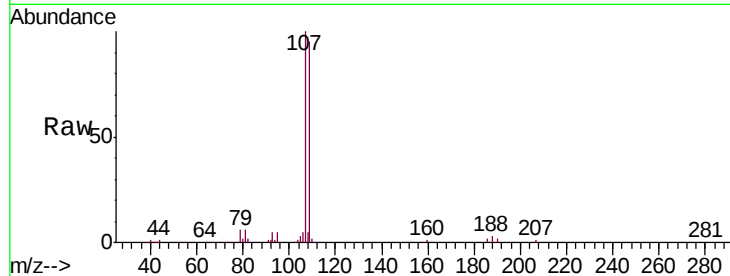




#61
 1,2-Dibromoethane
 Concen: 22.072 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VW005104.D
 Acq: 05 Sep 2018 03:26

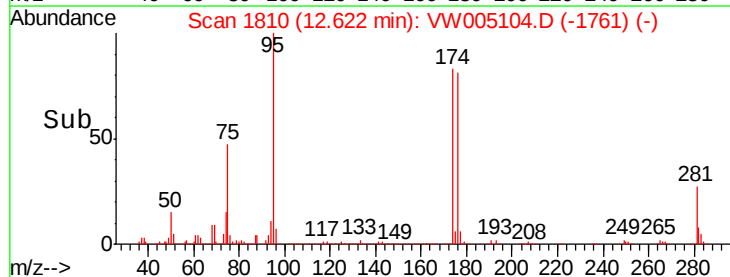
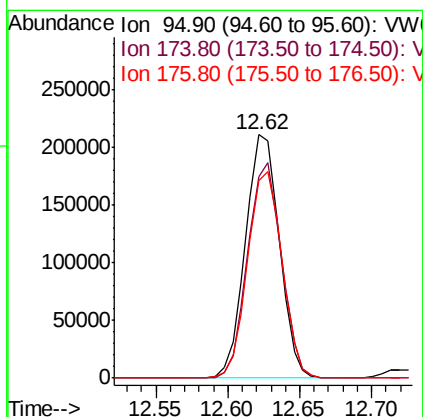
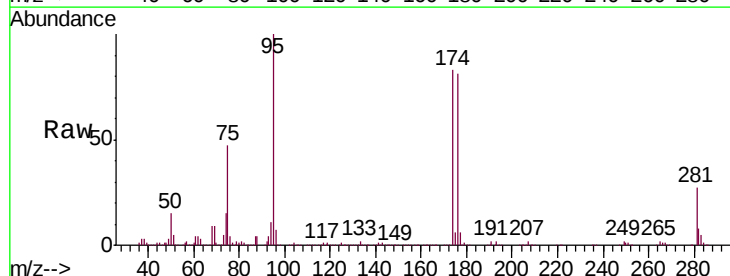
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0904SBSD02

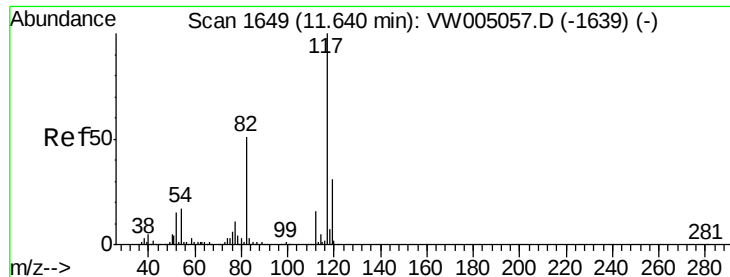
Tgt Ion: 107 Resp: 71505
 Ion Ratio Lower Upper
 107 100
 109 93.3 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 53.905 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VW005104.D
 Acq: 05 Sep 2018 03:26

Tgt Ion: 95 Resp: 344407
 Ion Ratio Lower Upper
 95 100
 174 87.9 0.0 173.4
 176 85.9 0.0 167.4

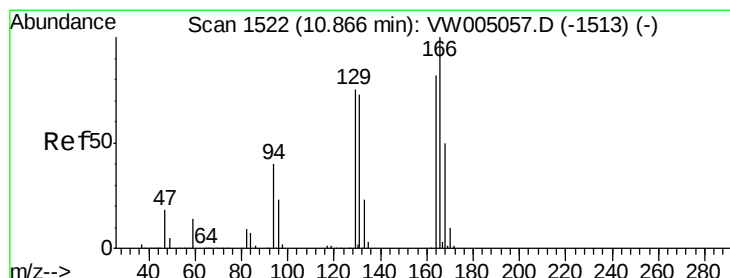
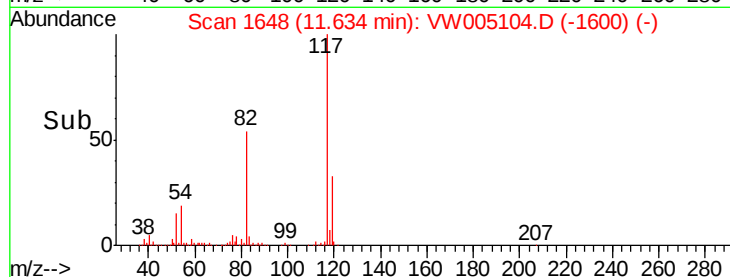
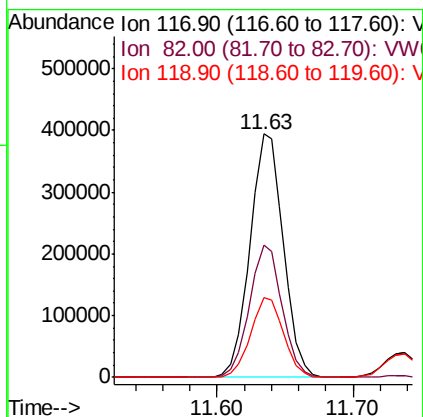
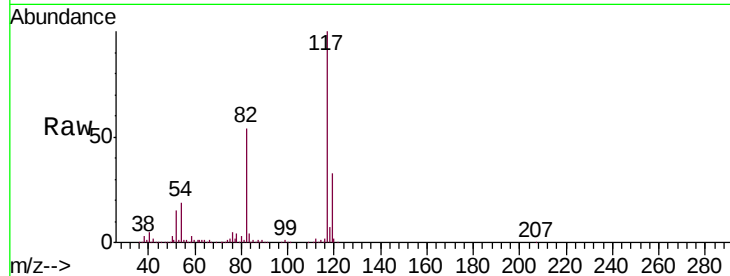




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VW005104.D
Acq: 05 Sep 2018 03:26

Instrument :
MSVOA_W
ClientSampleId :
VW0904SBSD02

Tgt Ion:117 Resp: 678644
Ion Ratio Lower Upper
117 100
82 54.5 40.9 61.3
119 32.7 24.9 37.3



#64
Tetrachloroethene
Concen: 22.102 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW005104.D
Acq: 05 Sep 2018 03:26

Tgt Ion:164 Resp: 117688
Ion Ratio Lower Upper
164 100
166 126.4 97.3 145.9
129 87.6 73.1 109.7
131 88.0 71.3 106.9

