

Data File : VW008169.D
Acq On : 11 Jan 2019 02:00
Operator : SY/AP
Sample : VW0110SBSD02
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBSD02

Quant Time: Jan 11 05:21:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 04:40:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	87423	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	155697	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	143420	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	69331	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	56006	57.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.00%	
35) Dibromofluoromethane	7.88	113	52361	57.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.32%	
50) Toluene-d8	10.32	98	213633	56.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.12%	
62) 4-Bromofluorobenzene	12.62	95	75259	55.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.18%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	13362	18.728	ug/l	90
3) Chloromethane	2.21	50	17881	19.317	ug/l	100
4) Vinyl Chloride	2.37	62	24329	20.138	ug/l	90
5) Bromomethane	2.78	94	21584	23.850	ug/l	93
6) Chloroethane	2.93	64	16088	17.697	ug/l	90
7) Trichlorofluoromethane	3.26	101	17124	17.435	ug/l	99
8) Diethyl Ether	3.68	74	12564	22.628	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	18433	18.903	ug/l	95
10) Methyl Iodide	4.26	142	30090	21.172	ug/l	99
11) Tert butyl alcohol	5.20	59	3535	35.385	ug/l #	100
12) 1,1-Dichloroethene	4.04	96	19844	20.727	ug/l	90
13) Acrolein	3.89	56	5874	88.832	ug/l	94
14) Allyl chloride	4.66	41	34678	19.950	ug/l	98
15) Acrylonitrile	5.37	53	25902	122.533	ug/l	99
16) Acetone	4.14	43	20934	106.379	ug/l	90
17) Carbon Disulfide	4.37	76	59017	19.733	ug/l	98
18) Methyl Acetate	4.67	43	15055	24.243	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	34568	22.210	ug/l	97
20) Methylene Chloride	4.91	84	25959	24.369	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	21763	20.918	ug/l	95
22) Diisopropyl ether	6.31	45	71229	21.486	ug/l	99
23) Vinyl Acetate	6.26	43	193313	111.031	ug/l	98
24) 1,1-Dichloroethane	6.21	63	41123	21.290	ug/l	96
25) 2-Butanone	7.18	43	32124	117.507	ug/l	96
26) 2,2-Dichloropropane	7.16	77	24525	18.739	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	24696	21.756	ug/l	95
28) Bromochloromethane	7.51	49	16356	21.408	ug/l	95
29) Tetrahydrofuran	7.53	42	22751	124.586	ug/l	98
30) Chloroform	7.67	83	40593	22.079	ug/l	96
31) Cyclohexane	7.95	56	38039	18.396	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	32952	20.598	ug/l	98
36) 1,1-Dichloropropene	8.08	75	31519	19.652	ug/l	99
37) Ethyl Acetate	7.25	43	14886	23.167	ug/l	99
38) Carbon Tetrachloride	8.07	117	29119	19.836	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	37270	18.327	ug/l	97
40) Benzene	8.32	78	90205	20.736	ug/l	99
41) Methacrylonitrile	7.48	41	9622	23.706	ug/l	96
42) 1,2-Dichloroethane	8.40	62	26650	21.782	ug/l	98
43) Isopropyl Acetate	8.43	43	29106	22.656	ug/l	98
44) Trichloroethene	9.09	130	23161	20.799	ug/l	86
45) 1,2-Dichloropropane	9.37	63	22500	20.860	ug/l	94
46) Dibromomethane	9.46	93	12002	22.657	ug/l	96
47) Bromodichloromethane	9.64	83	28992	21.554	ug/l #	99
48) Methyl methacrylate	9.44	41	13388	22.085	ug/l	94
49) 1,4-Dioxane	9.46	88	4247	498.541	ug/l #	100
51) 4-Methyl-2-Pentanone	10.21	43	72811	117.085	ug/l	98
52) Toluene	10.39	92	58182	20.943	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	29055	20.767	ug/l	94
54) cis-1,3-Dichloropropene	10.07	75	33802	20.374	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	17132	23.035	ug/l	92
56) Ethyl methacrylate	10.65	69	20975	22.773	ug/l	99
57) 1,3-Dichloropropane	10.93	76	30038	22.084	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	57422	120.694	ug/l	98
59) 2-Hexanone	10.97	43	47433	112.793	ug/l	98
60) Dibromochloromethane	11.13	129	18492	22.643	ug/l	99
61) 1,2-Dibromoethane	11.24	107	16333	23.145	ug/l	99
64) Tetrachloroethene	10.86	164	20218	21.661	ug/l	88
65) Chlorobenzene	11.66	112	62486	20.565	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	20893	21.141	ug/l	98
67) Ethyl Benzene	11.73	91	109155	19.634	ug/l	95
68) m/p-Xylenes	11.84	106	84430	39.788	ug/l	97
69) o-Xylene	12.17	106	39598	20.151	ug/l	97
70) Styrene	12.18	104	63359	20.585	ug/l	97
71) Bromoform	12.35	173	10150	22.948	ug/l #	98
73) Isopropylbenzene	12.47	105	106459	19.558	ug/l	99
74) N-amyl acetate	12.27	43	26783	22.219	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	19719	22.633	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	26324	41.650	ug/l #	18
77) Bromobenzene	12.75	156	23470	20.407	ug/l	95
78) n-propylbenzene	12.81	91	130526	19.571	ug/l	99
79) 2-Chlorotoluene	12.90	91	74281	19.963	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	90514	20.236	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	5663	20.865	ug/l	95
82) 4-Chlorotoluene	12.99	91	78275	19.974	ug/l	99
83) tert-Butylbenzene	13.21	119	79800	20.166	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	91620	19.860	ug/l	98
85) sec-Butylbenzene	13.39	105	114057	19.676	ug/l	100
86) p-Isopropyltoluene	13.50	119	98557	19.689	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	48754	20.897	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	47962	20.490	ug/l	95
89) n-Butylbenzene	13.83	91	94529	19.281	ug/l	99
90) Hexachloroethane	14.10	117	17699	20.934	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	43781	21.352	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3445	24.570	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW011019\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	27891	20.488	ug/l	97
94) Hexachlorobutadiene	15.24	225	14981	20.561	ug/l	97
95) Naphthalene	15.38	128	54076	21.274	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	24683	21.270	ug/l	96

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

Data File : VW008169.D

Acq On : 11 Jan 2019 02:00

Operator : SY/AP

Sample : VW0110SBSD02

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 :
VW0110SBSD02

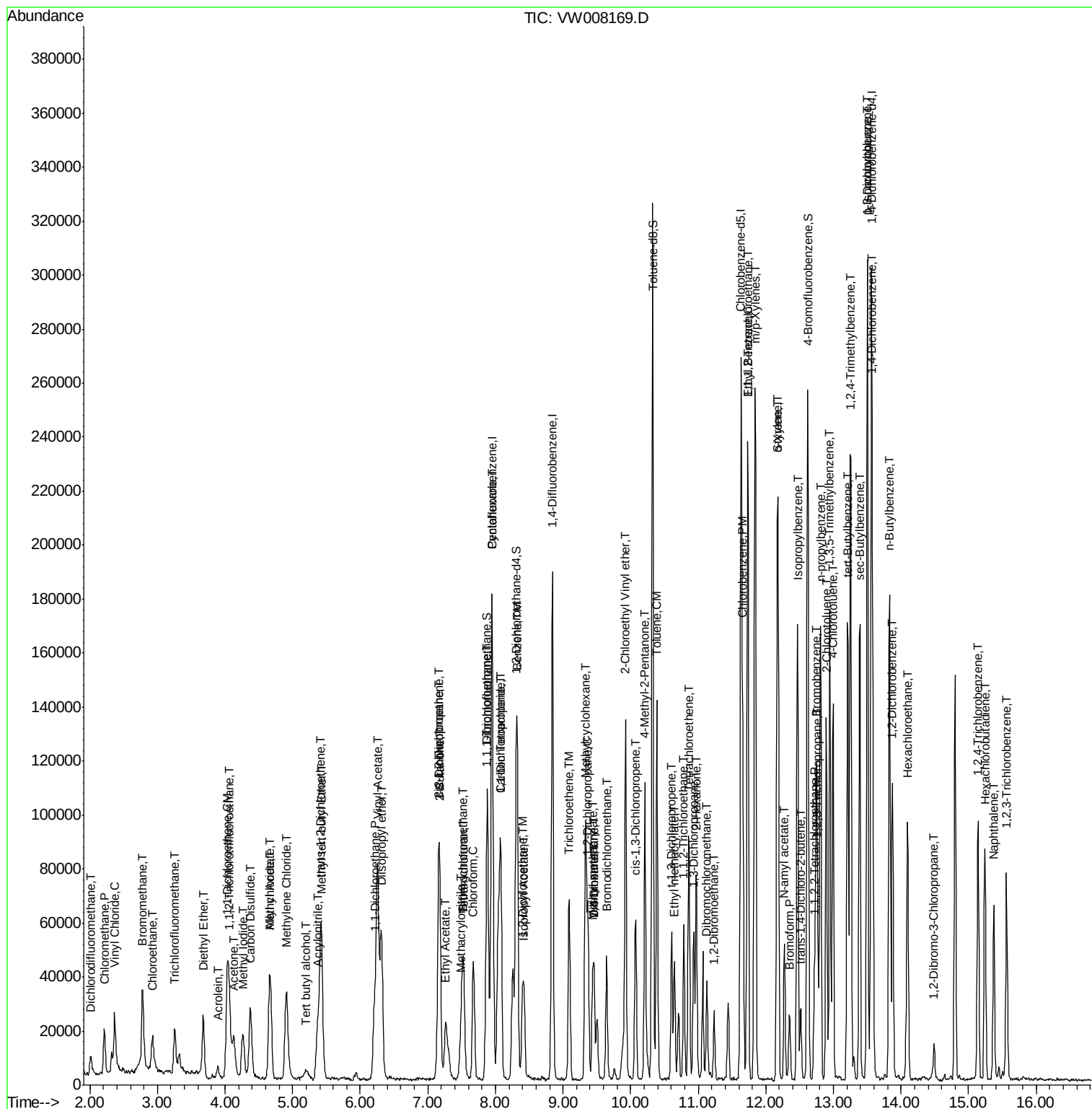
Quant Time: Jan 11 05:21:11 2019

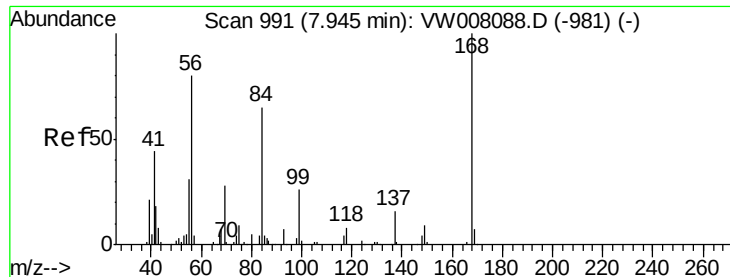
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_W\METHOD\82W010819S.M

Quant Title : SW846 8260

QLast Update : Wed Jan 09 04:40:48 2019

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

Instrument :

MSVOA_W

ClientSampleId :

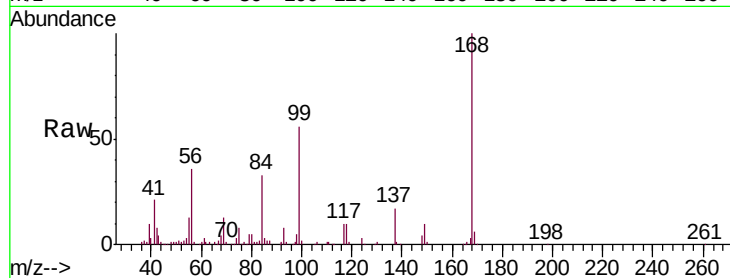
VW0110SBSD02

Tgt Ion:168 Resp: 87423

Ion Ratio Lower Upper

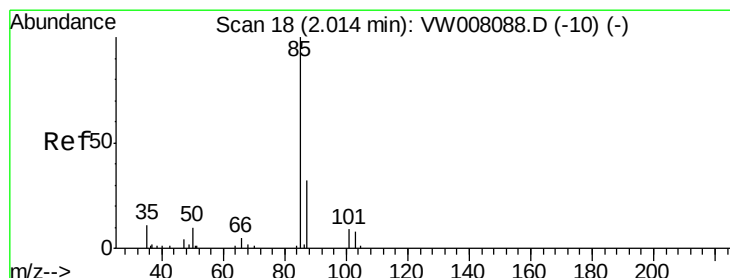
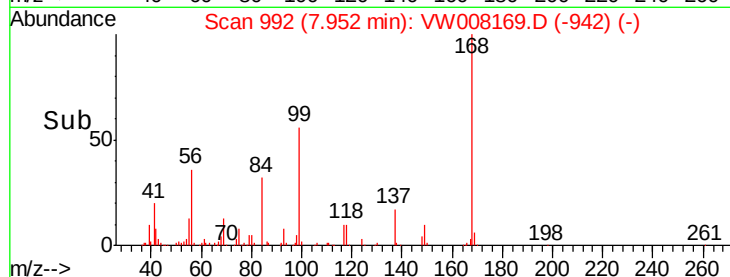
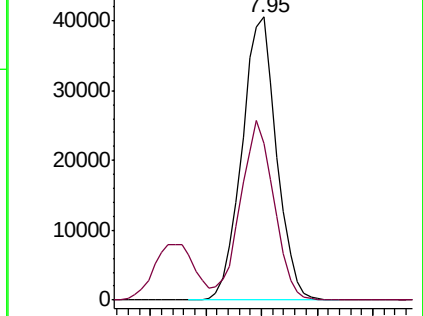
168 100

99 55.2 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 18.728 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW008169.D

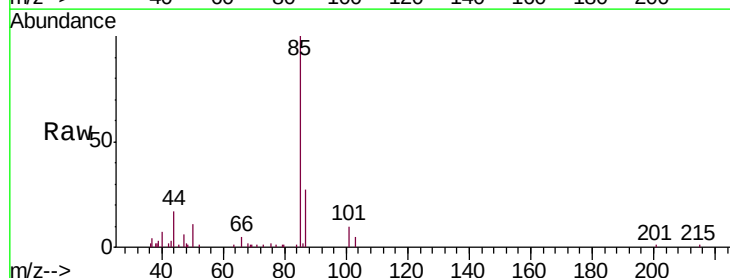
Acq: 11 Jan 2019 02:00

Tgt Ion: 85 Resp: 13362

Ion Ratio Lower Upper

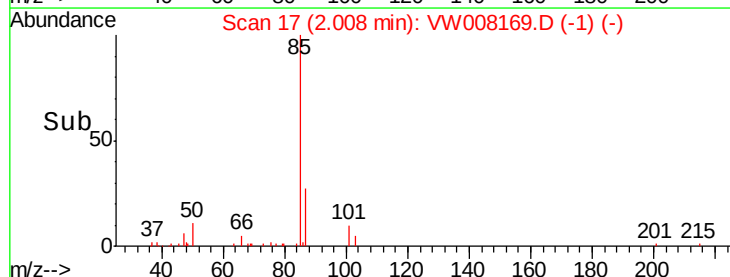
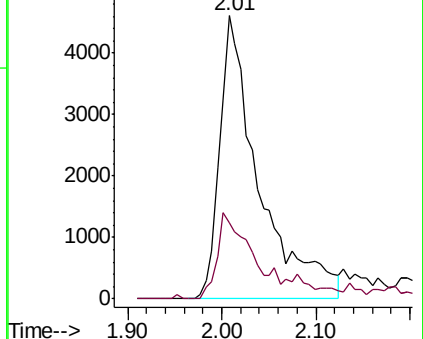
85 100

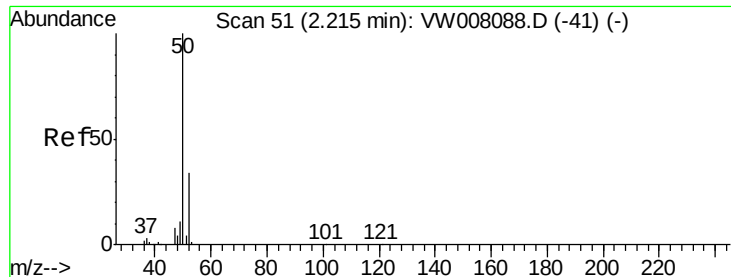
87 26.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 19.317 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

Instrument :

MSVOA_W

ClientSampleId :

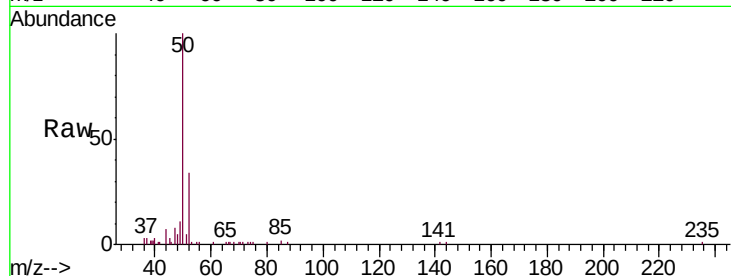
VW0110SBSD02

Tgt Ion: 50 Resp: 17881

Ion Ratio Lower Upper

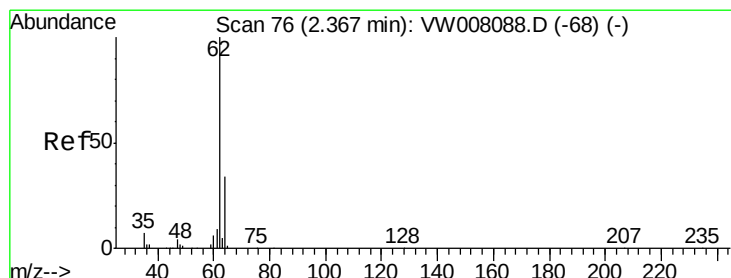
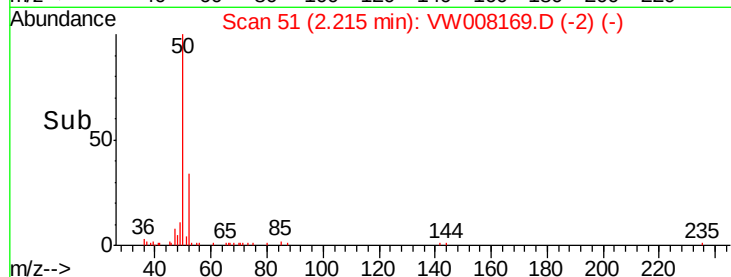
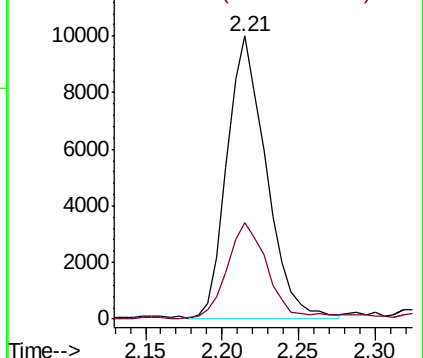
50 100

52 33.6 26.8 40.2



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 20.138 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW008169.D

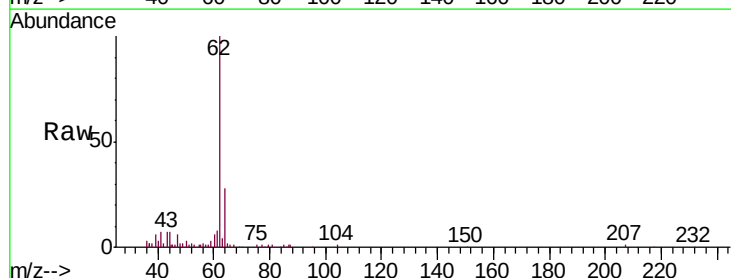
Acq: 11 Jan 2019 02:00

Tgt Ion: 62 Resp: 24329

Ion Ratio Lower Upper

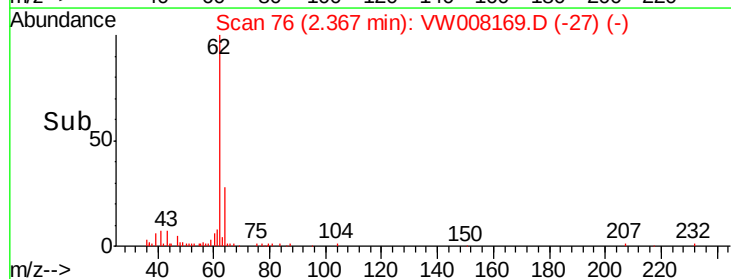
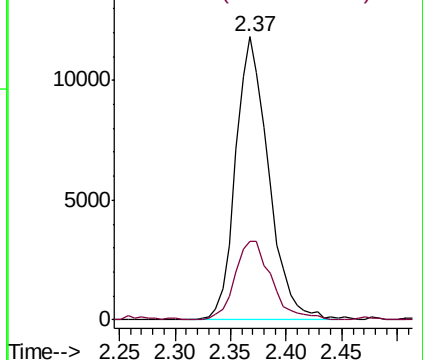
62 100

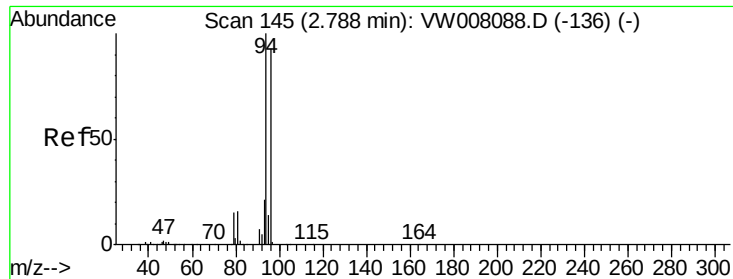
64 28.0 27.0 40.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 23.850 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

Instrument :

MSVOA_W

ClientSampleId :

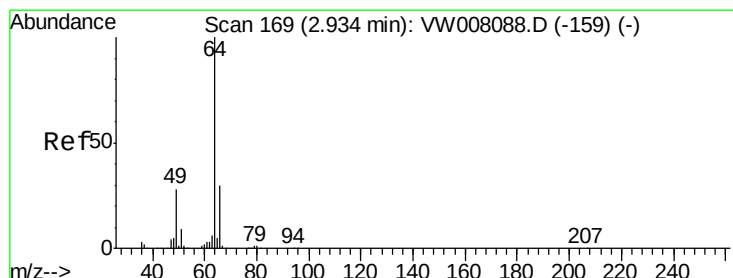
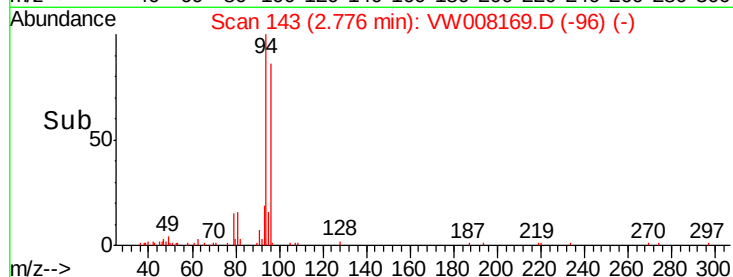
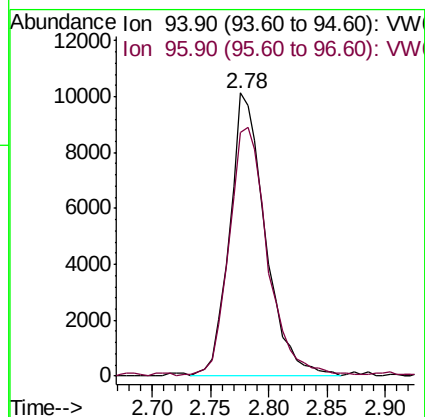
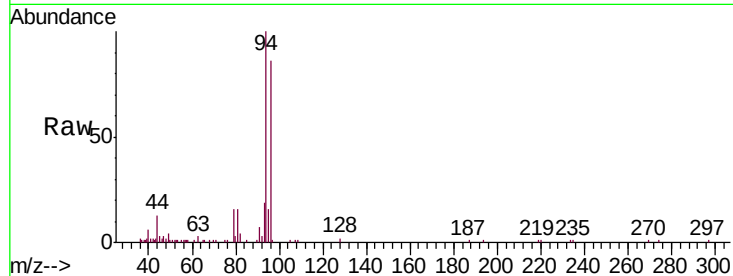
VW0110SBSD02

Tgt Ion: 94 Resp: 21584

Ion Ratio Lower Upper

94 100

96 85.5 74.1 111.1



#6

Chloroethane

Concen: 17.697 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW008169.D

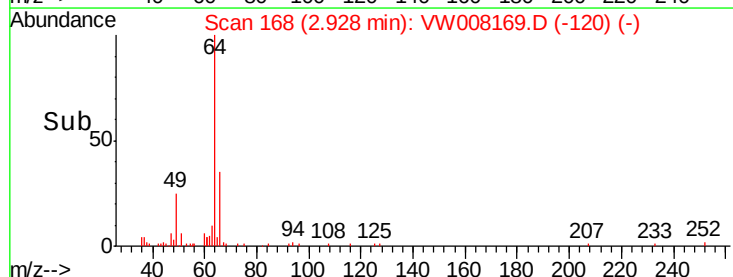
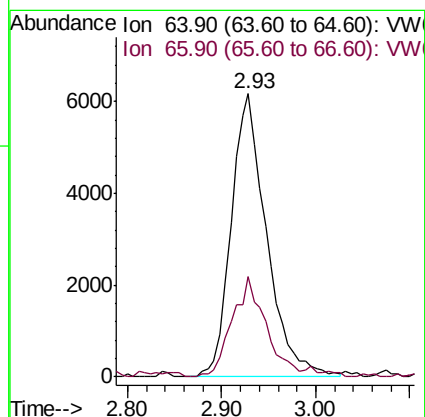
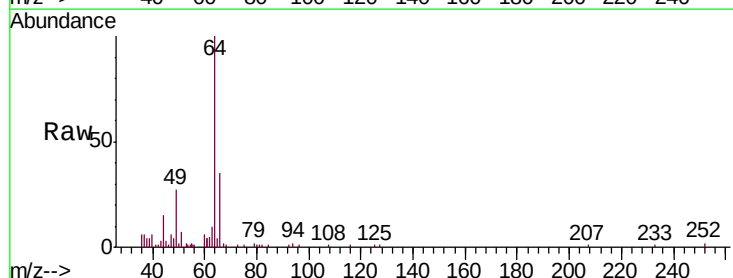
Acq: 11 Jan 2019 02:00

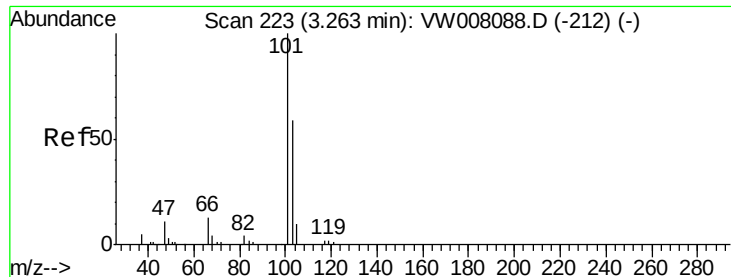
Tgt Ion: 64 Resp: 16088

Ion Ratio Lower Upper

64 100

66 35.4 24.2 36.2



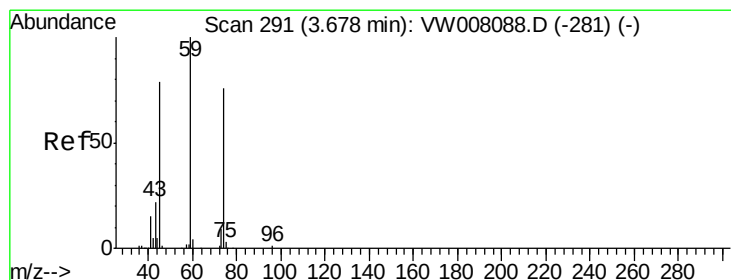
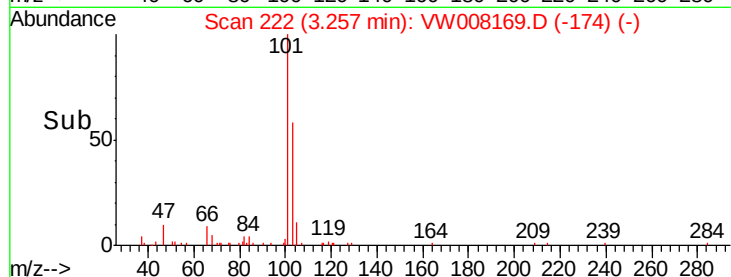
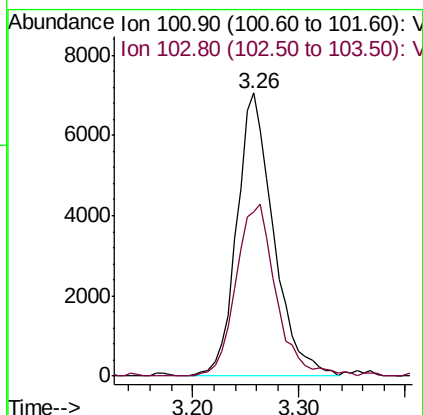
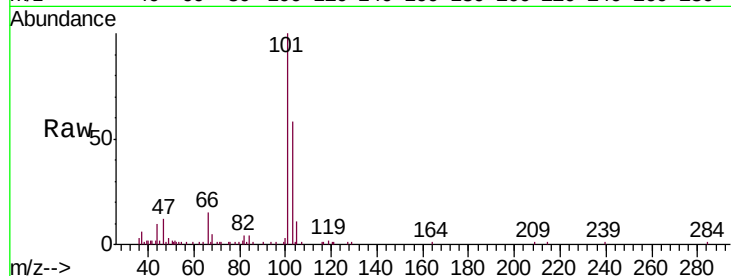


#7

Trichlorofluoromethane
 Concen: 17.435 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW008169.D
 Acq: 11 Jan 2019 02:00

Instrument :
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 VW0110SBSD02

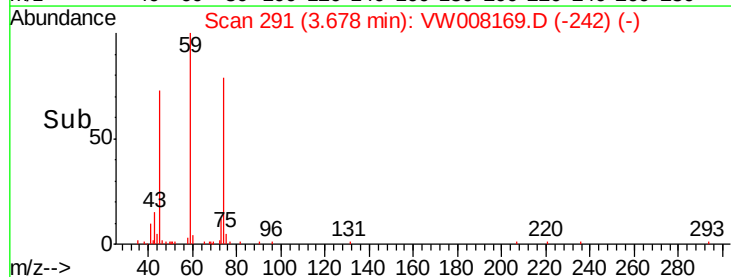
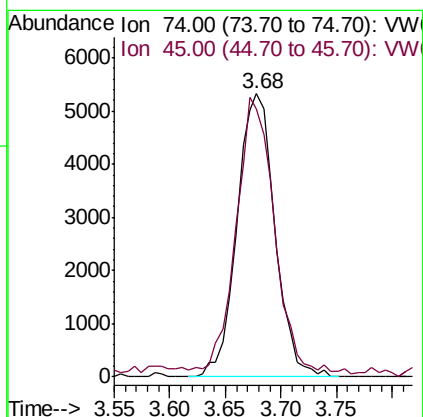
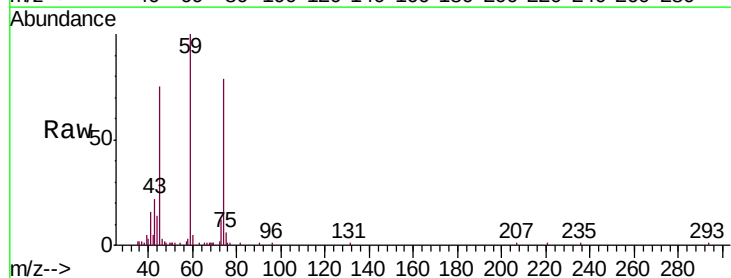
Tgt Ion: 101 Resp: 17124
 Ion Ratio Lower Upper
 101 100
 103 58.1 47.0 70.6

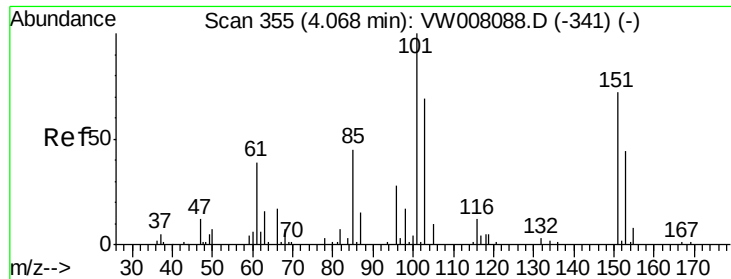


#8

Diethyl Ether
 Concen: 22.628 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW008169.D
 Acq: 11 Jan 2019 02:00

Tgt Ion: 74 Resp: 12564
 Ion Ratio Lower Upper
 74 100
 45 99.1 52.4 157.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.903 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBSD02

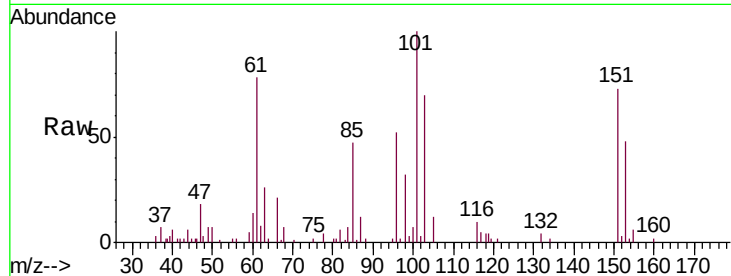
Tgt Ion:101 Resp: 18433

Ion Ratio Lower Upper

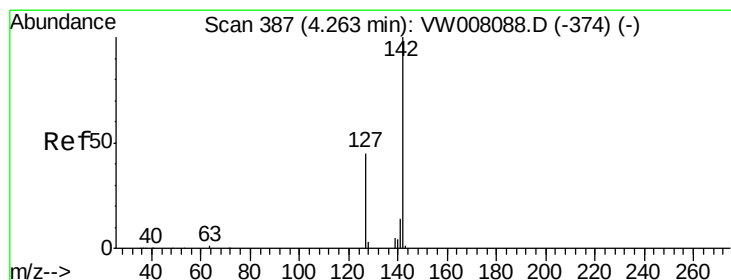
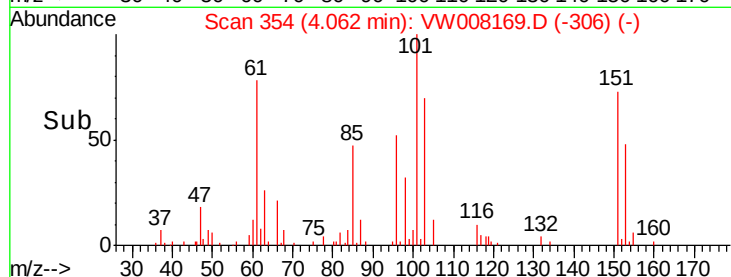
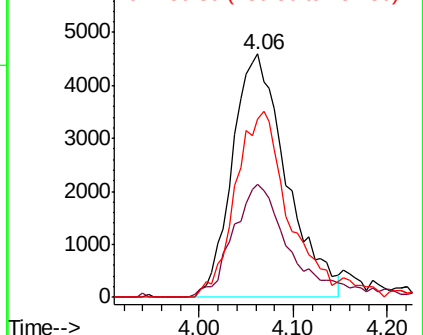
101 100

85 48.3 35.9 53.9

151 74.3 55.8 83.8



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: 21.172 ug/l

RT: 4.26 min Scan# 387

Delta R.T. 0.00 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

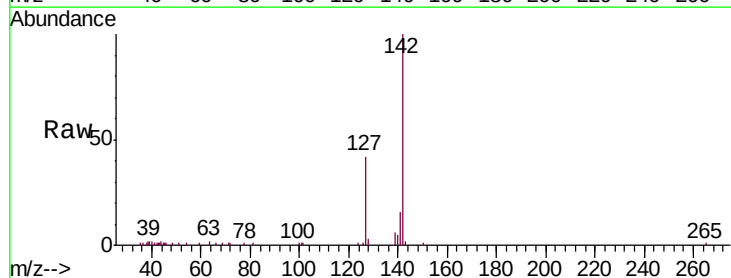
Tgt Ion:142 Resp: 30090

Ion Ratio Lower Upper

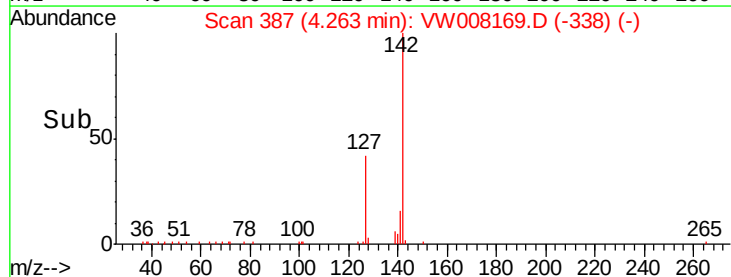
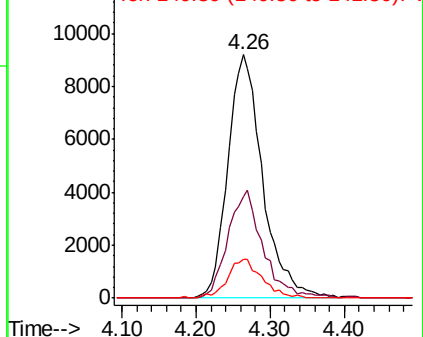
142 100

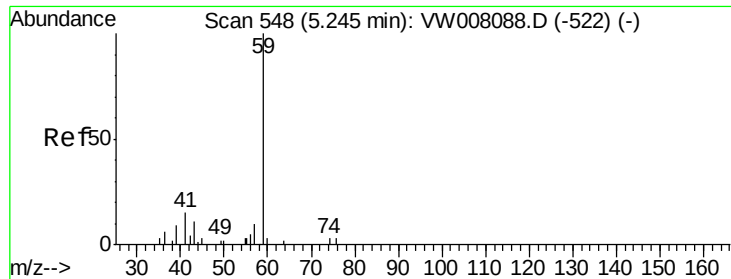
127 44.3 35.0 52.4

141 15.8 11.8 17.6



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

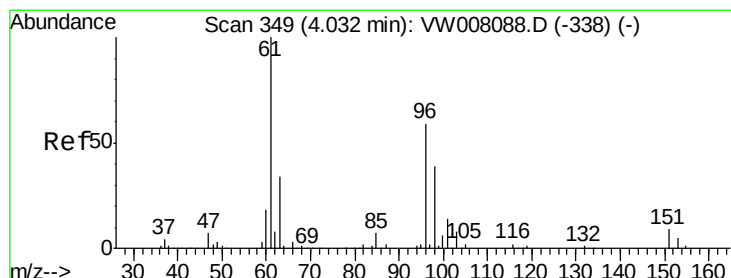
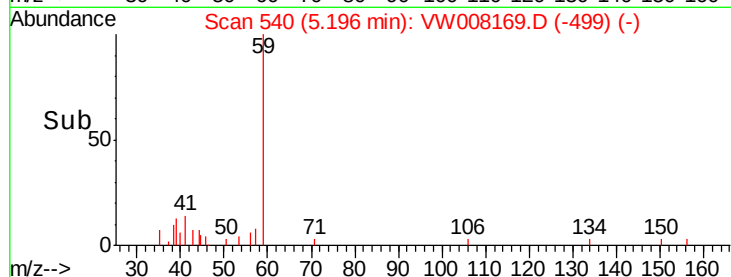
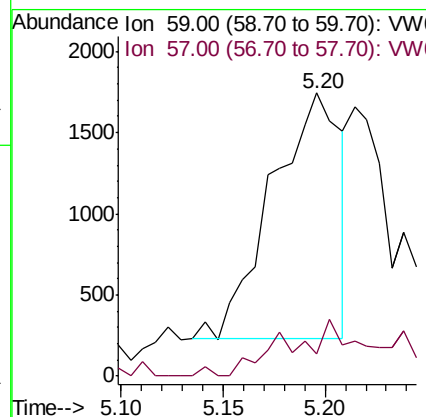
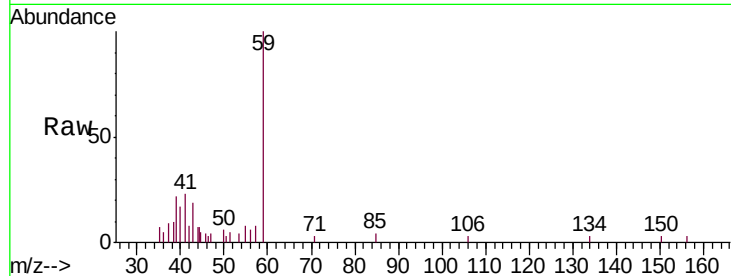




#11
Tert butyl alcohol
Concen: 35.385 ug/l
RT: 5.20 min Scan# 540
Delta R.T. -0.05 min
Lab File: VW008169.D
Acq: 11 Jan 2019 02:00

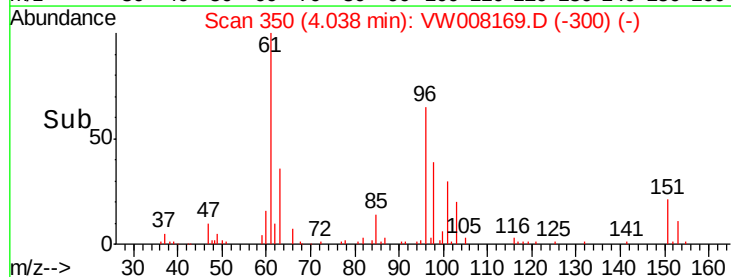
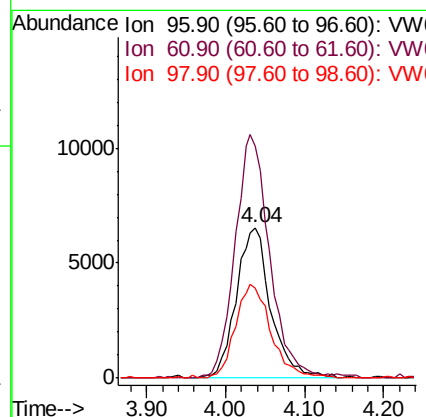
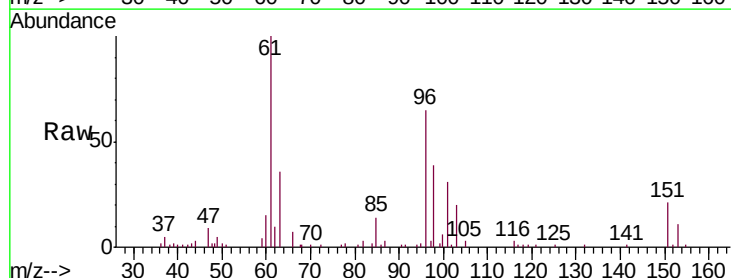
Instrument :
MSVOA_W
ClientSampleId :
VW0110SBSD02

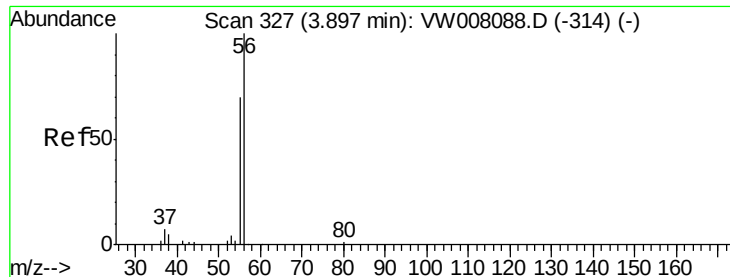
Tgt Ion: 59 Resp: 3535
Ion Ratio Lower Upper
59 100
57 8.1 0.0 0.0#



#12
1,1-Dichloroethene
Concen: 20.727 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.01 min
Lab File: VW008169.D
Acq: 11 Jan 2019 02:00

Tgt Ion: 96 Resp: 19844
Ion Ratio Lower Upper
96 100
61 154.4 135.4 203.2
98 60.1 52.5 78.7





#13

Acrolein

Concen: 88.832 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

Instrument :

MSVOA_W

ClientSampled :

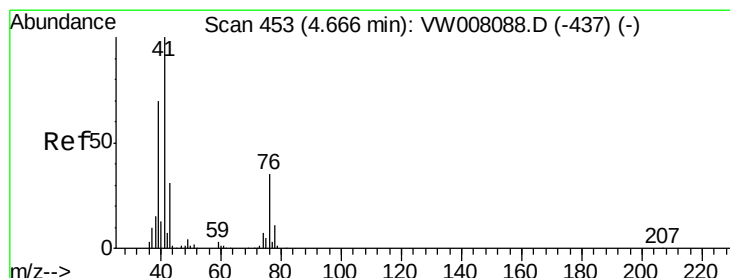
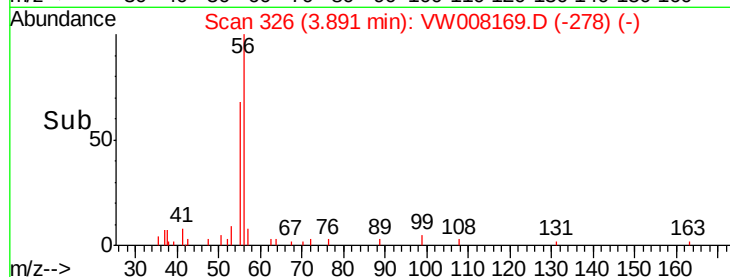
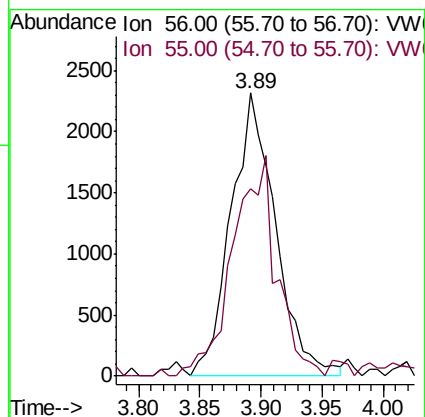
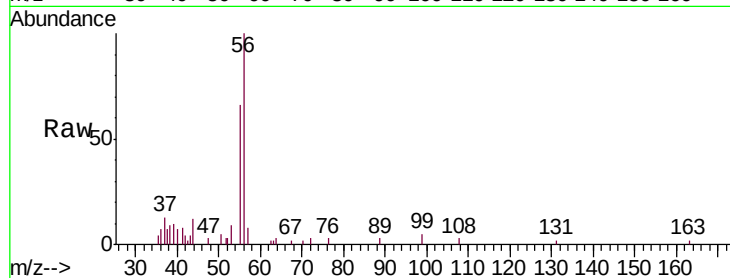
VW0110SBSD02

Tgt Ion: 56 Resp: 5874

Ion Ratio Lower Upper

56 100

55 76.0 56.6 84.8



#14

Allyl chloride

Concen: 19.950 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

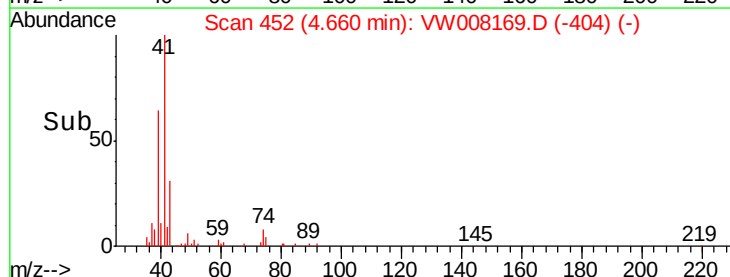
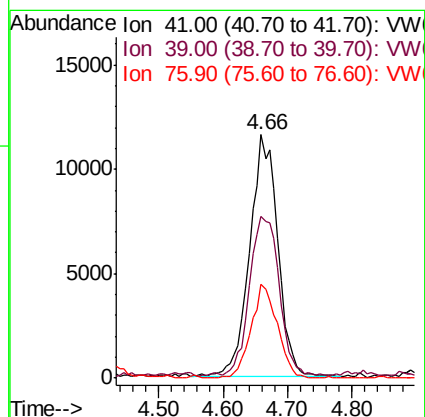
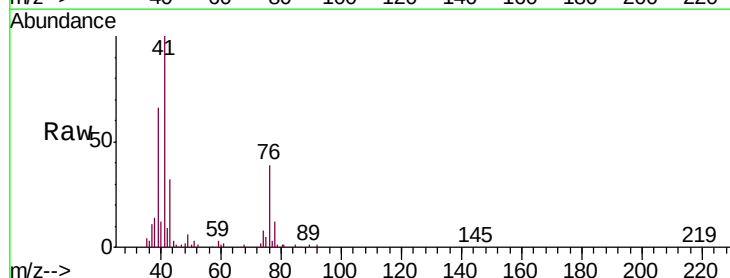
Tgt Ion: 41 Resp: 34678

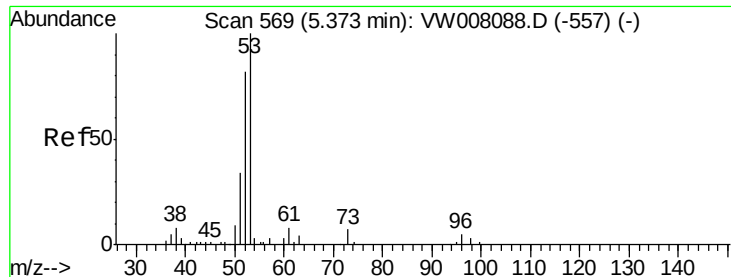
Ion Ratio Lower Upper

41 100

39 68.7 53.8 80.8

76 36.0 27.6 41.4





#15

Acrylonitrile

Concen: 122.533 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.00 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBSD02

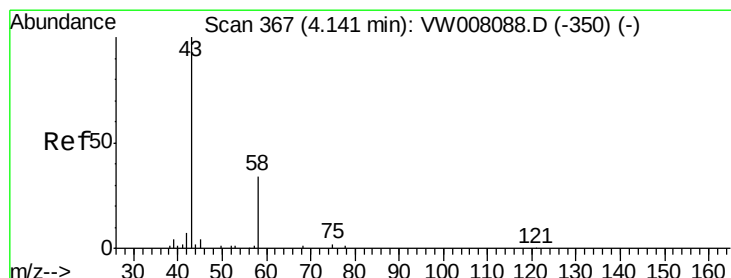
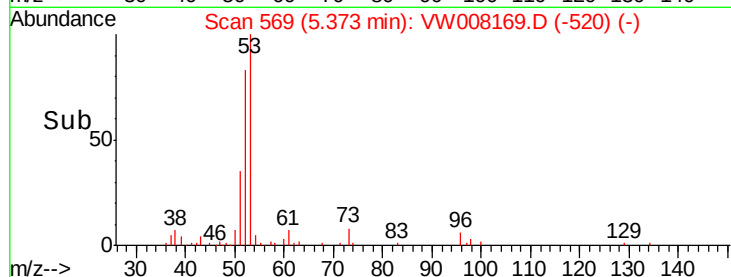
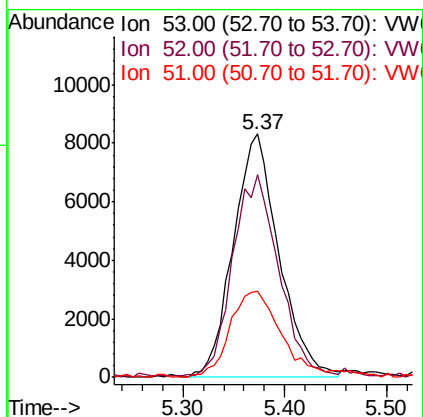
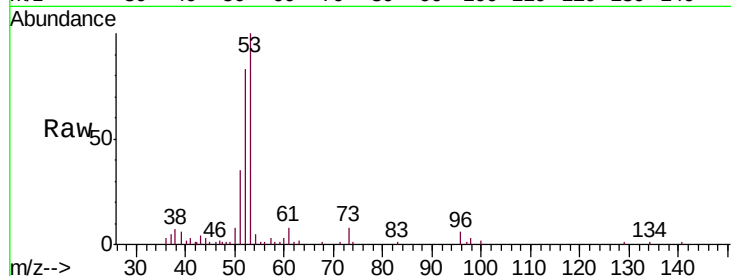
Tgt Ion: 53 Resp: 25902

Ion Ratio Lower Upper

53 100

52 83.2 66.8 100.2

51 39.3 29.7 44.5



#16

Acetone

Concen: 106.379 ug/l

RT: 4.14 min Scan# 366

Delta R.T. -0.01 min

Lab File: VW008169.D

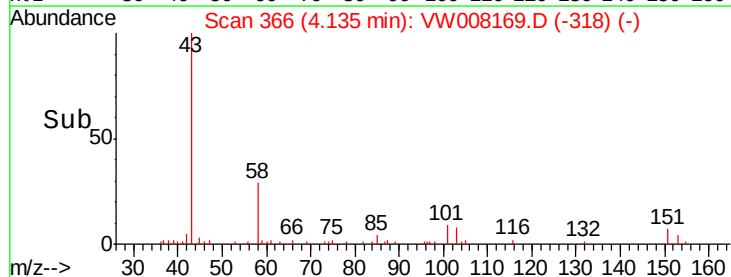
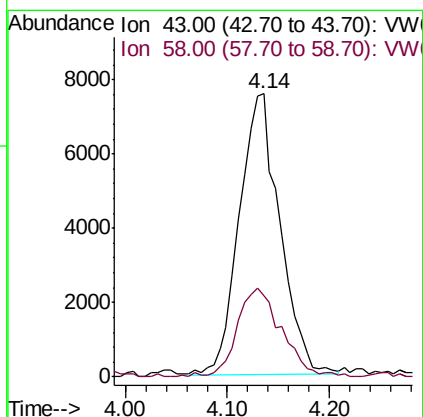
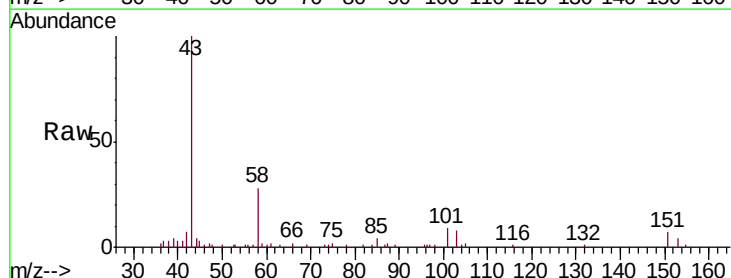
Acq: 11 Jan 2019 02:00

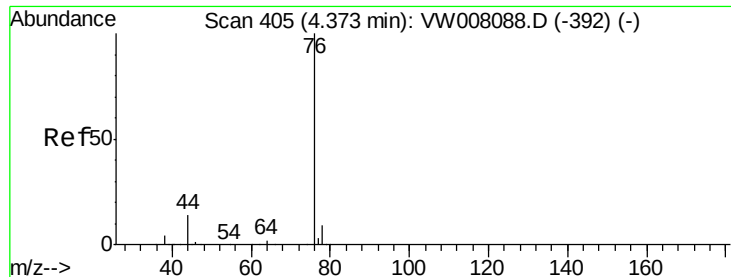
Tgt Ion: 43 Resp: 20934

Ion Ratio Lower Upper

43 100

58 28.8 27.5 41.3





#17

Carbon Disulfide

Concen: 19.733 ug/l

RT: 4.37 min Scan# 404

Delta R.T. -0.01 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

Instrument :

MSVOA_W

ClientSampleId :

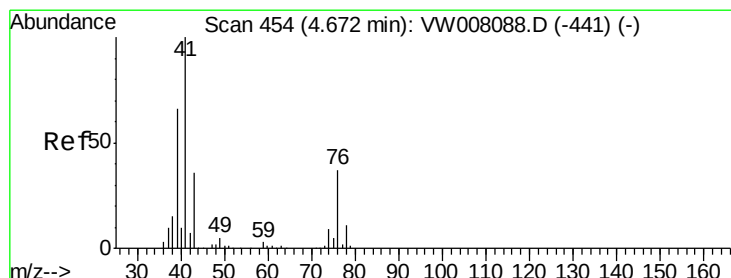
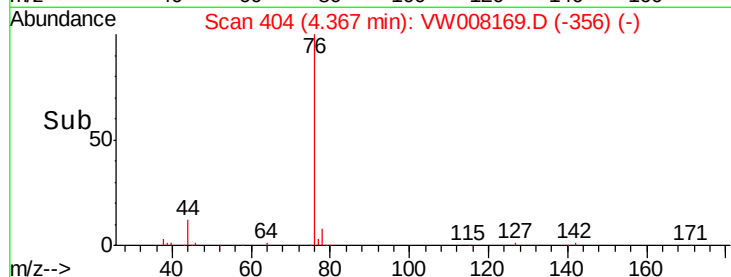
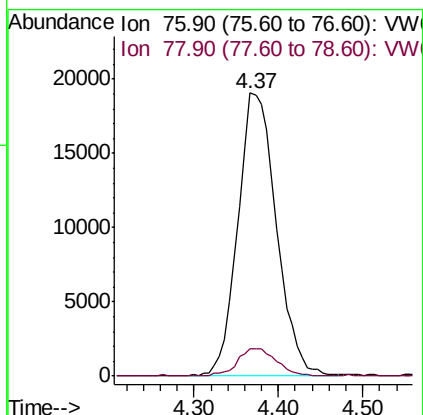
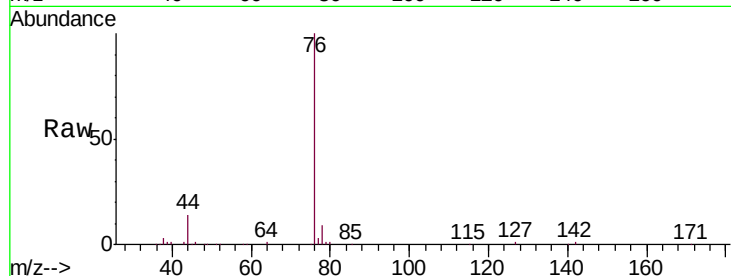
VW0110SBSD02

Tgt Ion: 76 Resp: 59017

Ion Ratio Lower Upper

76 100

78 9.5 7.0 10.6



#18

Methyl Acetate

Concen: 24.243 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW008169.D

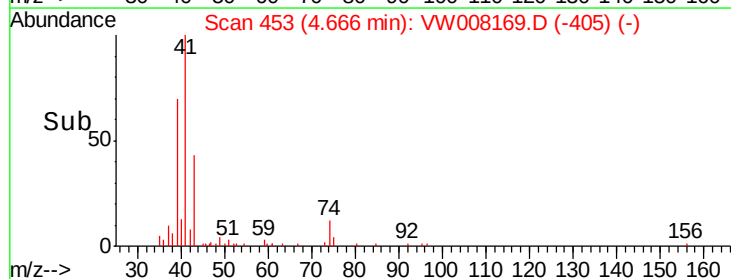
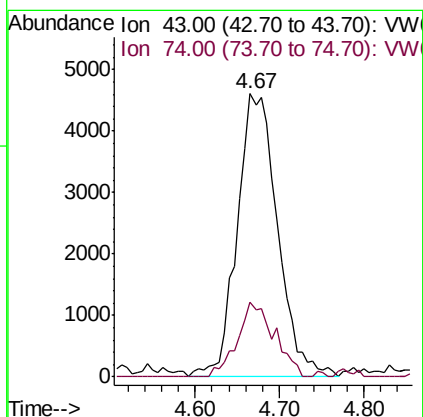
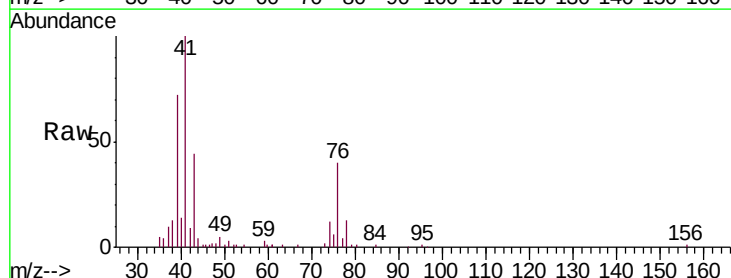
Acq: 11 Jan 2019 02:00

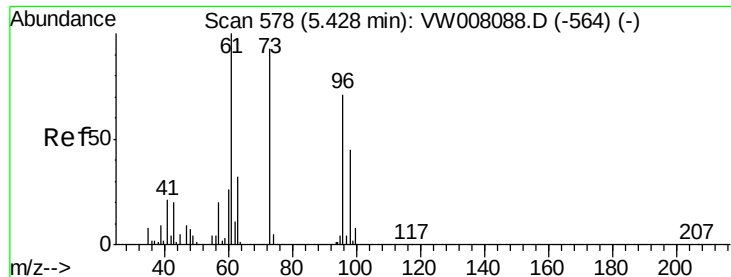
Tgt Ion: 43 Resp: 15055

Ion Ratio Lower Upper

43 100

74 24.0 19.0 28.4





#19

Methyl tert-butyl Ether

Concen: 22.210 ug/l

RT: 5.43 min Scan# 579

Delta R.T. 0.01 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

Instrument :

MSVOA_W

ClientSampled :

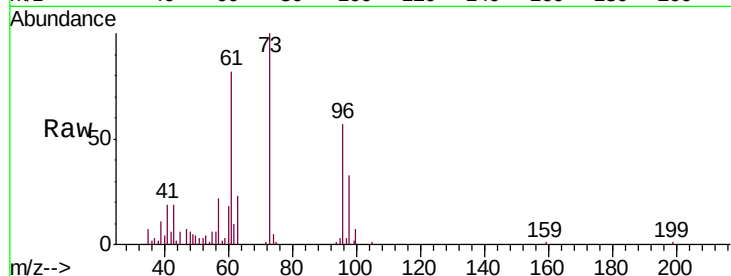
VW0110SBSD02

Tgt Ion: 73 Resp: 34568

Ion Ratio Lower Upper

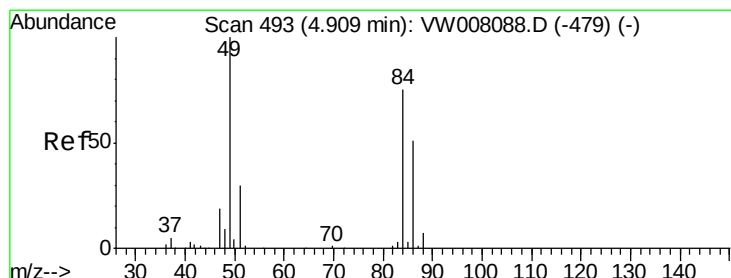
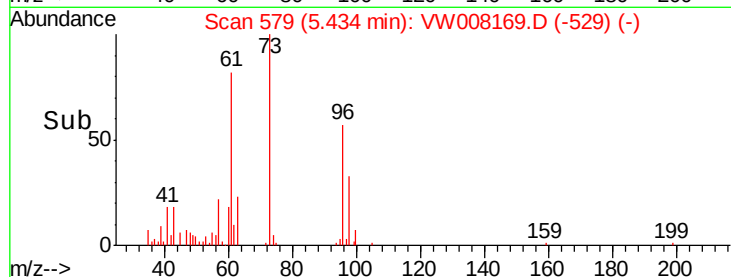
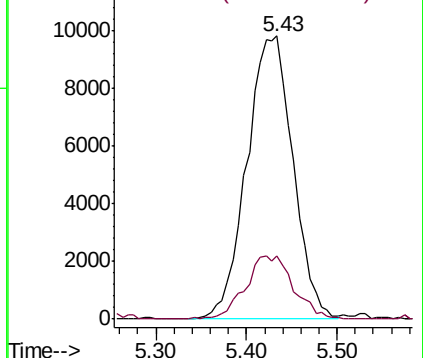
73 100

57 22.5 16.7 25.1



Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 57.00 (56.70 to 57.70): VW



#20

Methylene Chloride

Concen: 24.369 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

Tgt Ion: 84 Resp: 25959

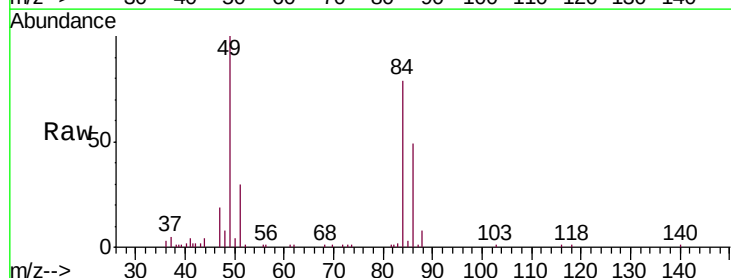
Ion Ratio Lower Upper

84 100

49 125.7 107.1 160.7

51 37.8 32.4 48.6

86 61.8 54.2 81.4

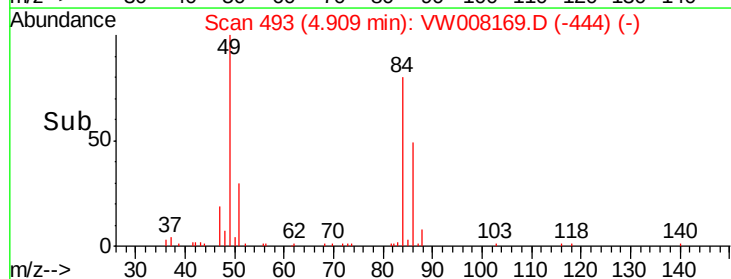
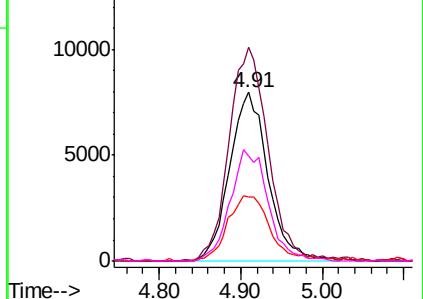


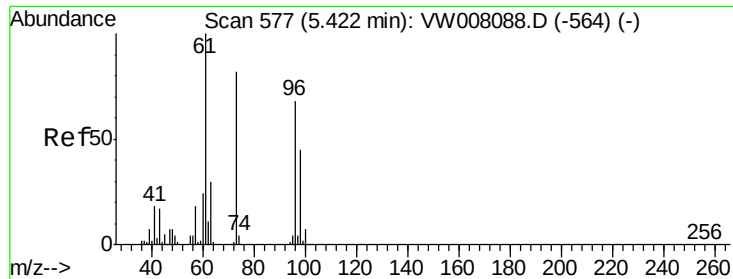
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW





#21

trans-1,2-Dichloroethene

Concen: 20.918 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBSD02

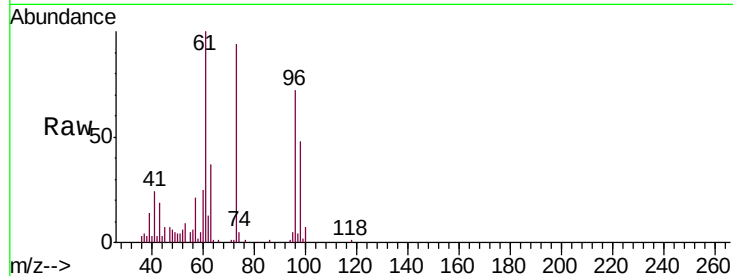
Tgt Ion: 96 Resp: 21763

Ion Ratio Lower Upper

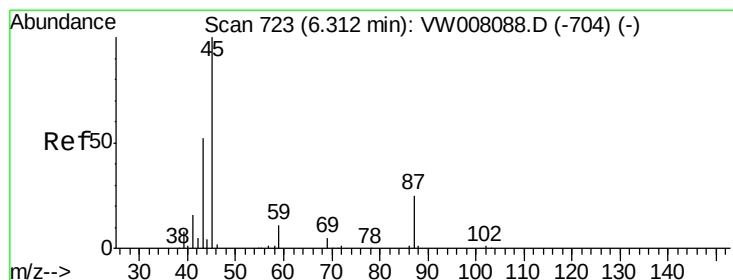
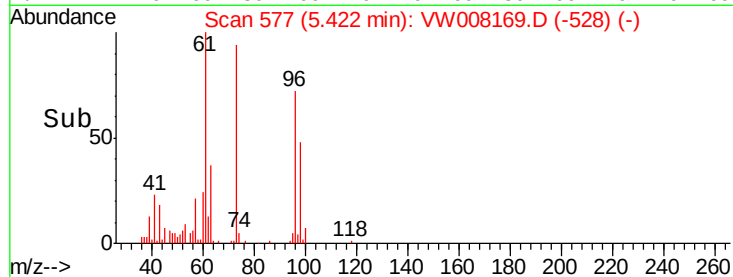
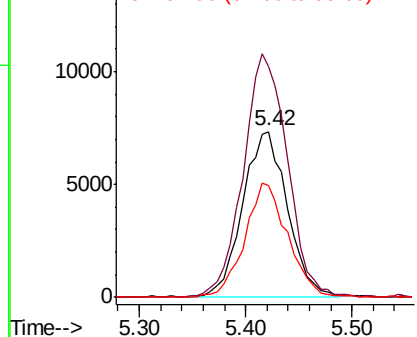
96 100

61 138.2 117.4 176.0

98 67.1 52.2 78.4



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



#22

Diisopropyl ether

Concen: 21.486 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

Tgt Ion: 45 Resp: 71229

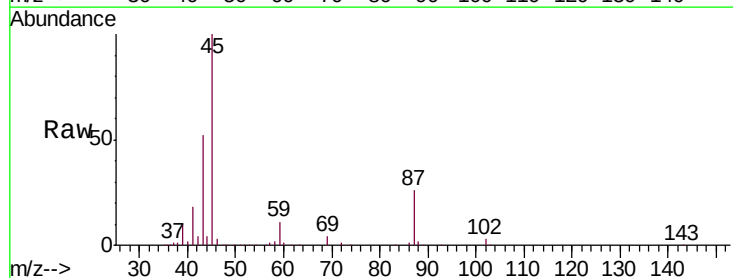
Ion Ratio Lower Upper

45 100

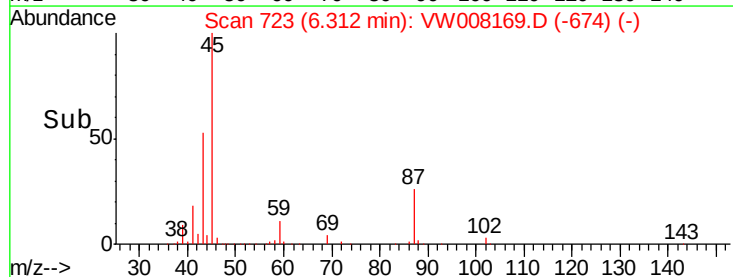
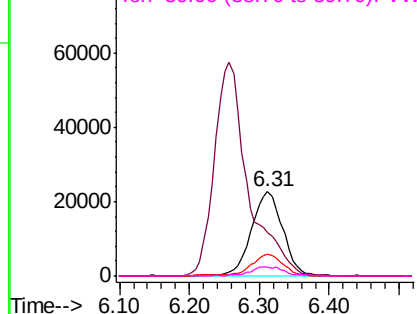
43 51.6 41.7 62.5

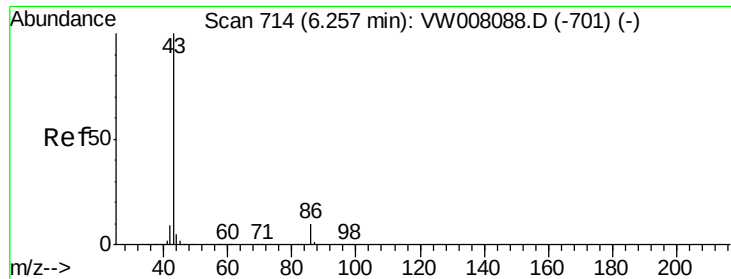
87 26.0 20.1 30.1

59 10.4 8.8 13.2



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: 111.031 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

Instrument :

MSVOA_W

ClientSampleId :

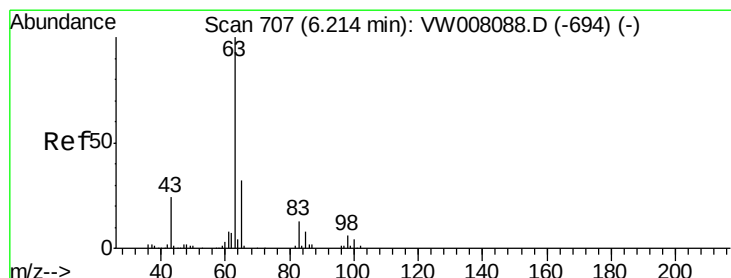
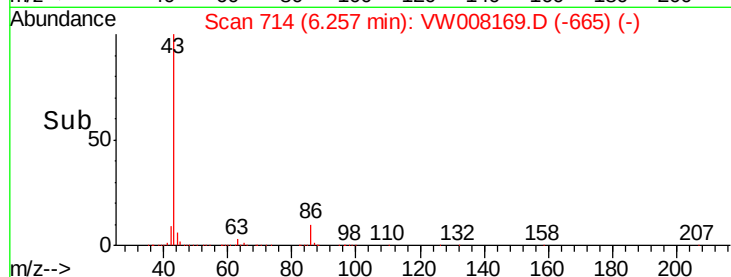
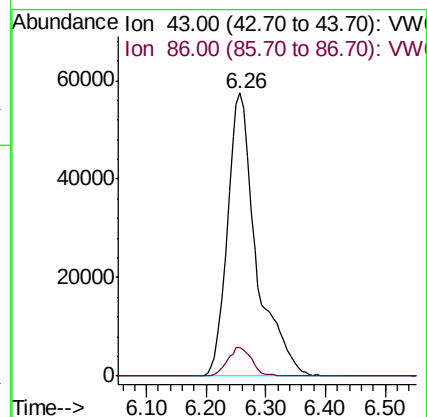
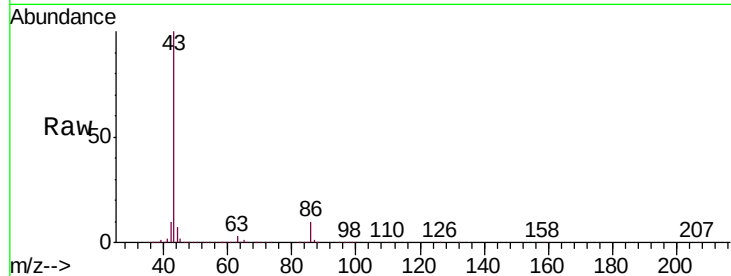
VW0110SBSD02

Tgt Ion: 43 Resp: 193313

Ion Ratio Lower Upper

43 100

86 10.2 7.7 11.5



#24

1,1-Dichloroethane

Concen: 21.290 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

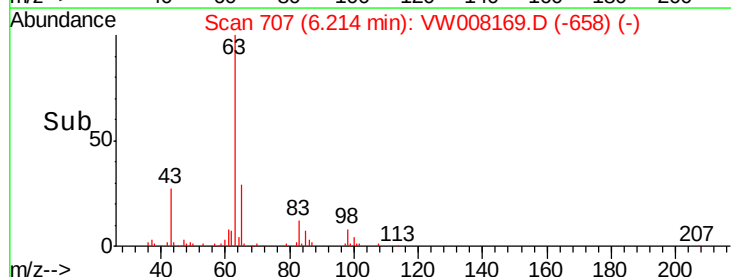
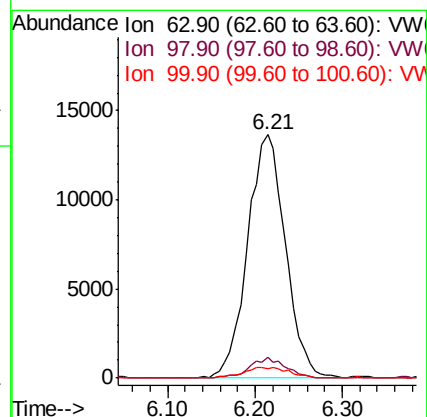
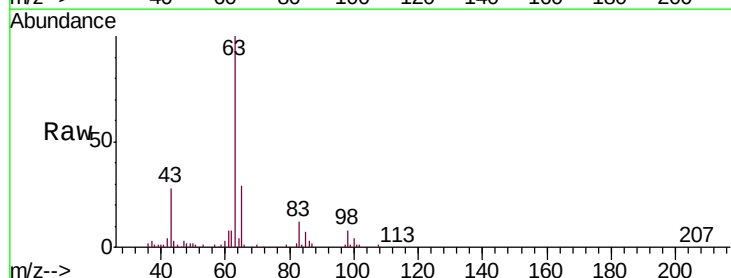
Tgt Ion: 63 Resp: 41123

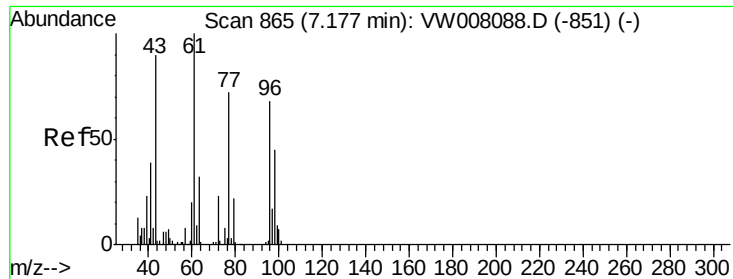
Ion Ratio Lower Upper

63 100

98 8.5 3.2 9.6

100 4.0 2.0 6.0





#25

2-Butanone

Concen: 117.507 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

Instrument :

MSVOA_W

ClientSampleId :

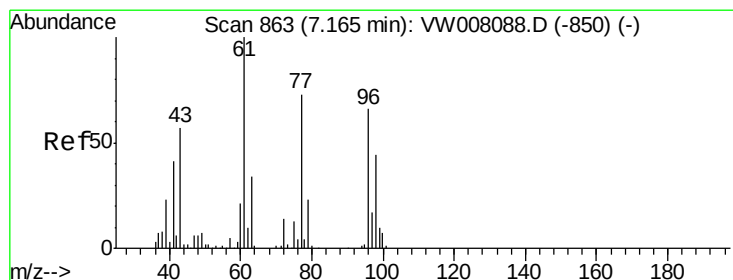
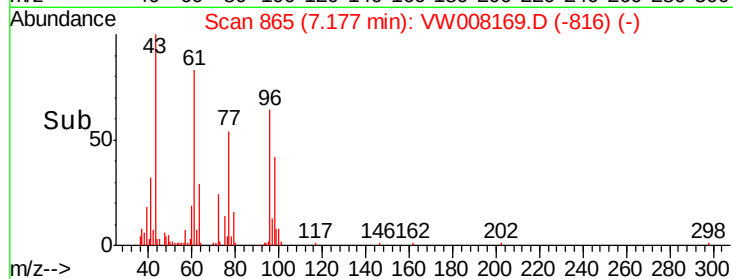
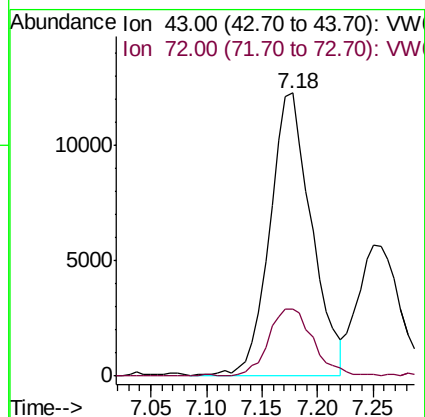
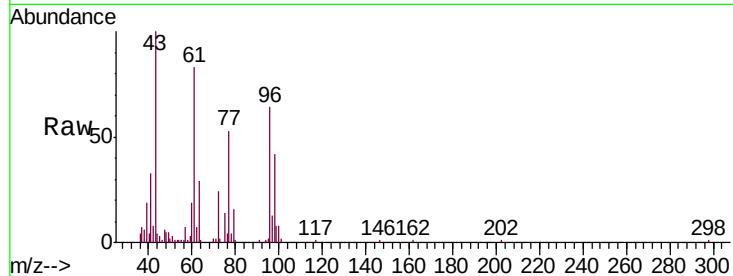
VW0110SBSD02

Tgt Ion: 43 Resp: 32124

Ion Ratio Lower Upper

43 100

72 23.5 20.5 30.7



#26

2,2-Dichloropropane

Concen: 18.739 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW008169.D

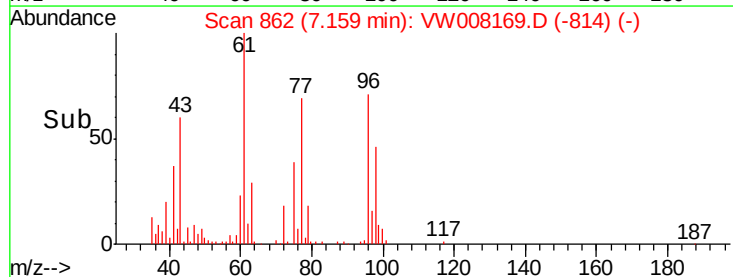
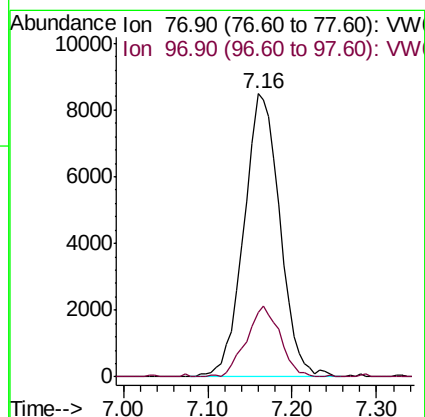
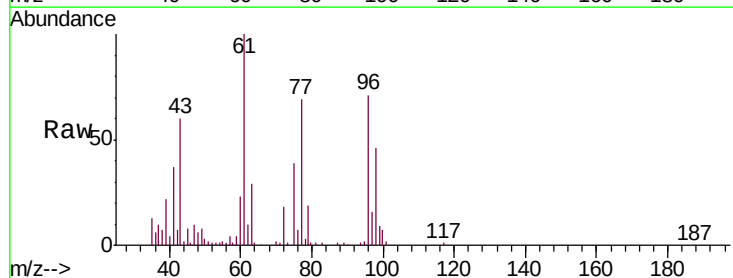
Acq: 11 Jan 2019 02:00

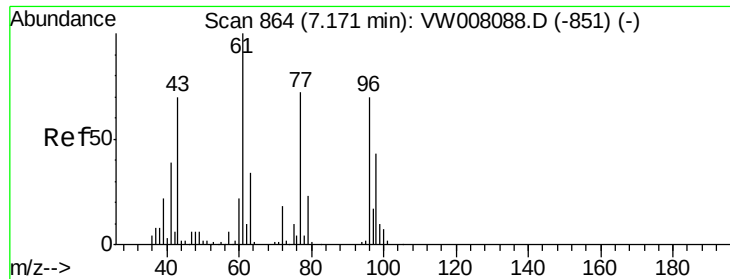
Tgt Ion: 77 Resp: 24525

Ion Ratio Lower Upper

77 100

97 23.5 11.4 34.1

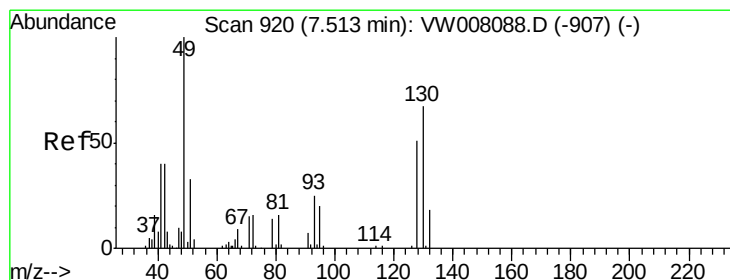
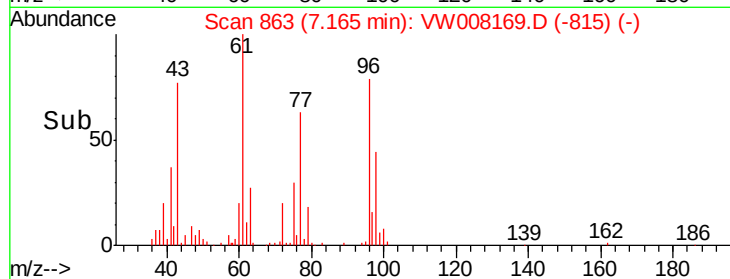
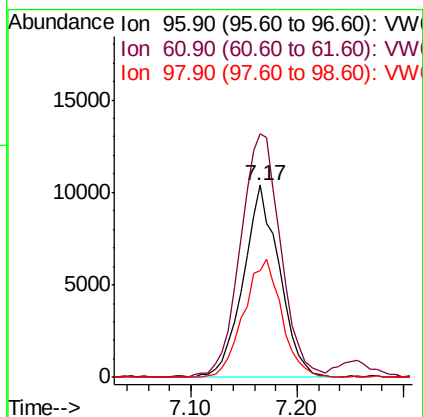
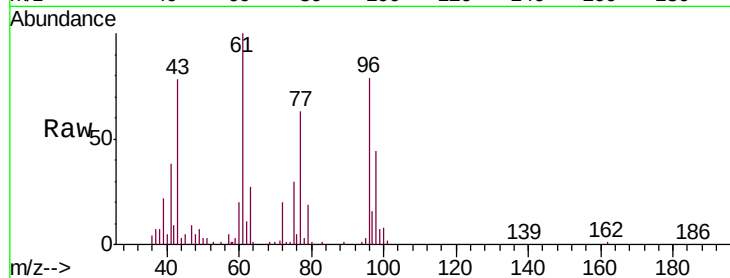




#27
 cis-1,2-Dichloroethene
 Concen: 21.756 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW008169.D
 Acq: 11 Jan 2019 02:00

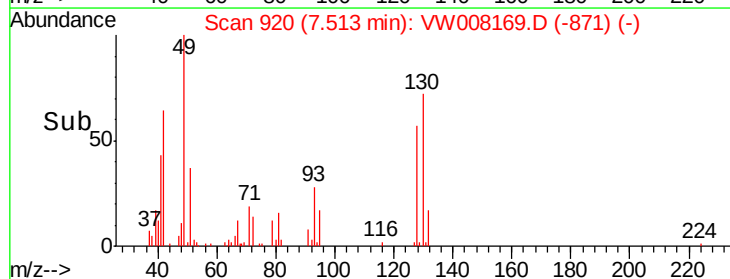
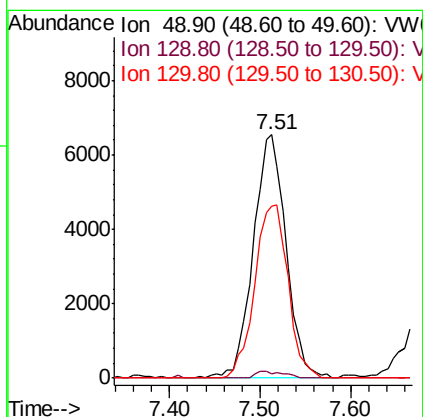
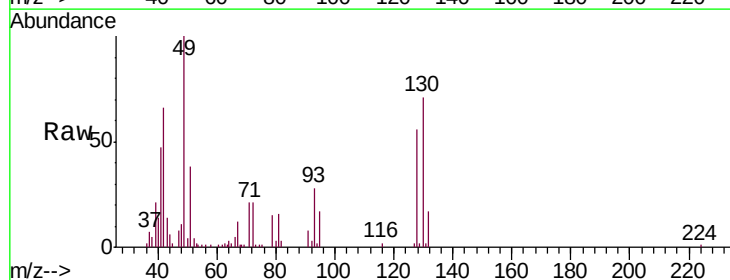
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0110SBSD02

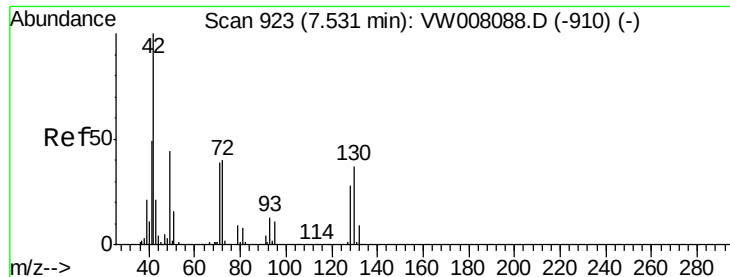
Tgt Ion: 96 Resp: 24696
 Ion Ratio Lower Upper
 96 100
 61 141.7 0.0 300.4
 98 64.2 0.0 128.4



#28
 Bromochloromethane
 Concen: 21.408 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW008169.D
 Acq: 11 Jan 2019 02:00

Tgt Ion: 49 Resp: 16356
 Ion Ratio Lower Upper
 49 100
 129 2.4 0.0 2.8
 130 72.2 54.3 81.5

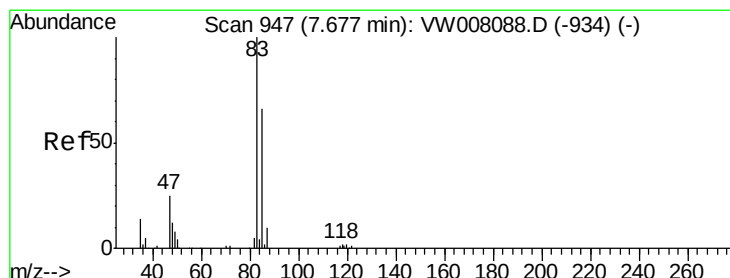
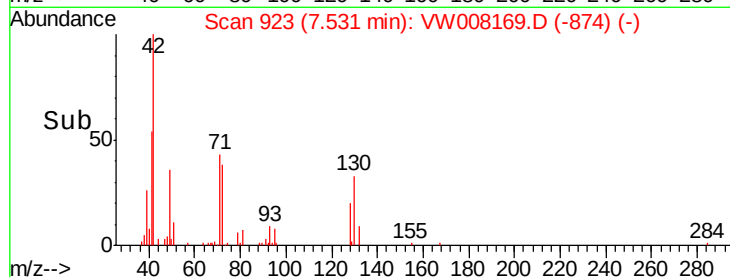
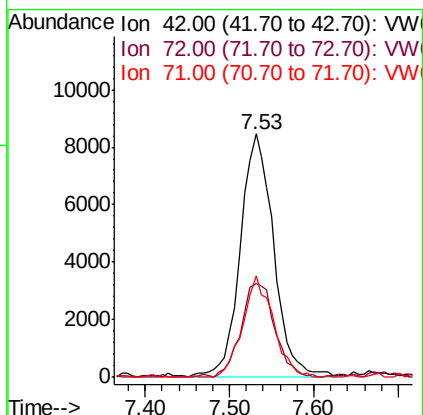
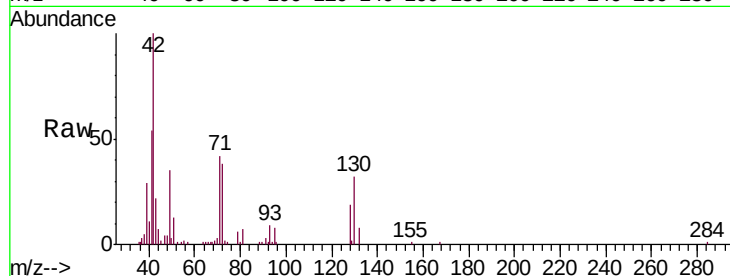




#29
Tetrahydrofuran
Concen: 124.586 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW008169.D
Acq: 11 Jan 2019 02:00

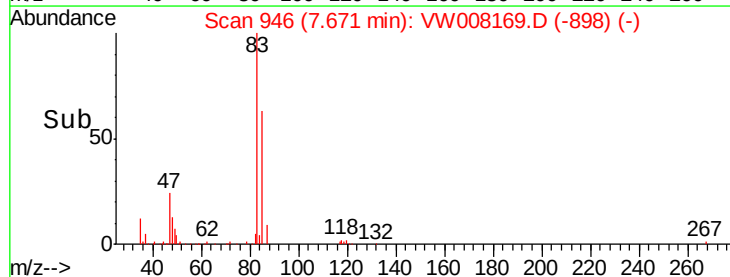
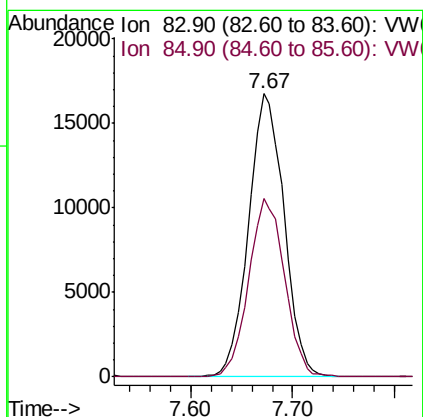
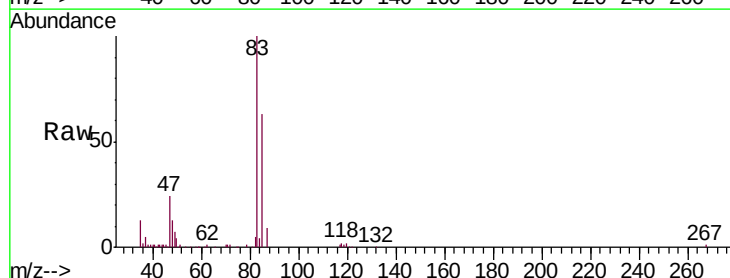
Instrument :
MSVOA_W
ClientSampleId :
VW0110SBSD02

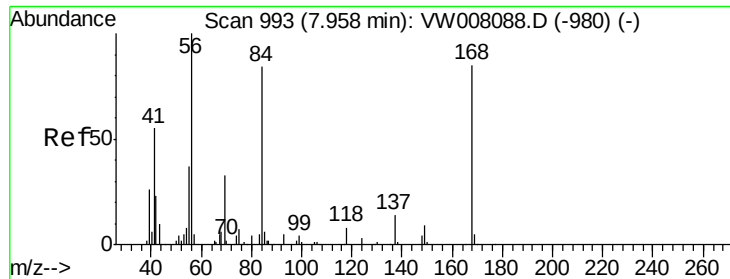
Tgt Ion: 42 Resp: 22751
Ion Ratio Lower Upper
42 100
72 39.0 32.4 48.6
71 38.1 31.3 46.9



#30
Chloroform
Concen: 22.079 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW008169.D
Acq: 11 Jan 2019 02:00

Tgt Ion: 83 Resp: 40593
Ion Ratio Lower Upper
83 100
85 63.2 53.2 79.8

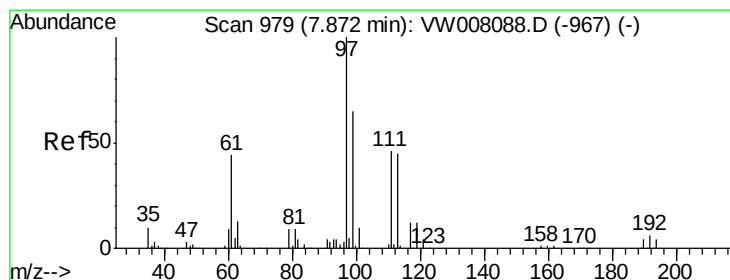
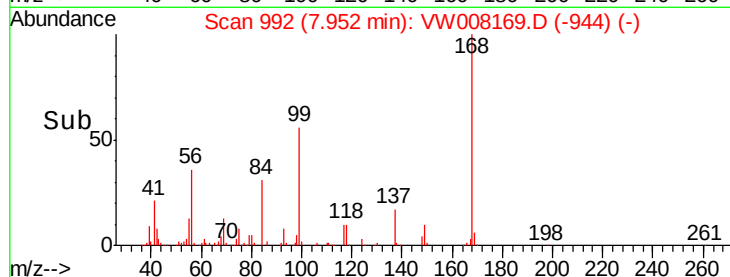
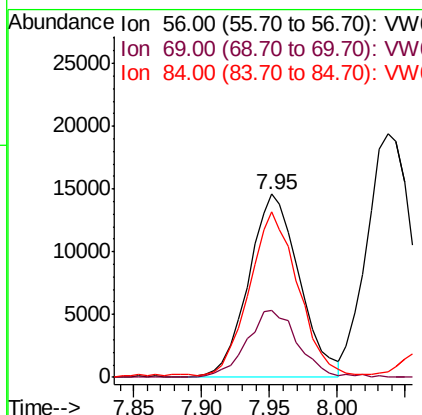
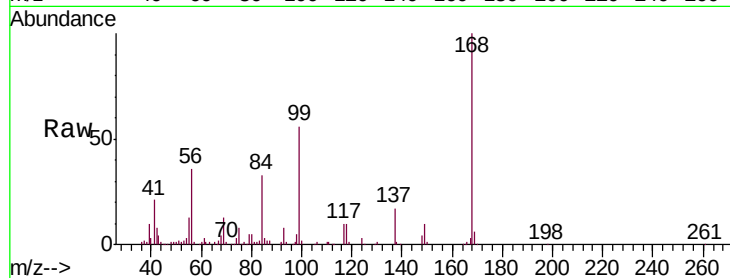




#31
Cyclohexane
Concen: 18.396 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW008169.D
Acq: 11 Jan 2019 02:00

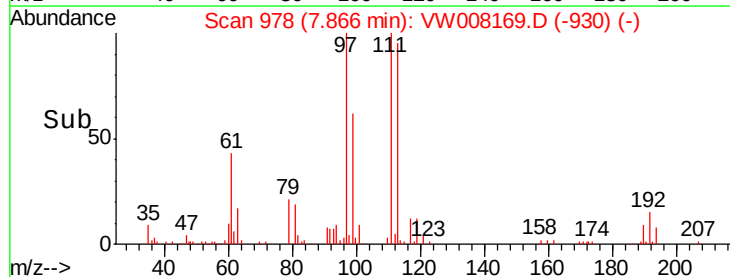
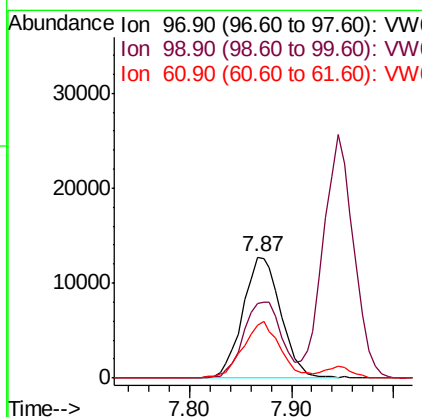
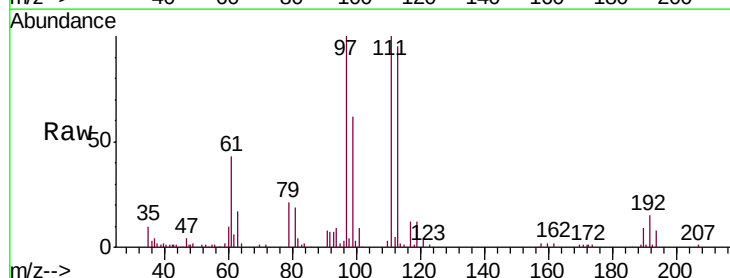
Instrument :
MSVOA_W
ClientSampleId :
VW0110SBSD02

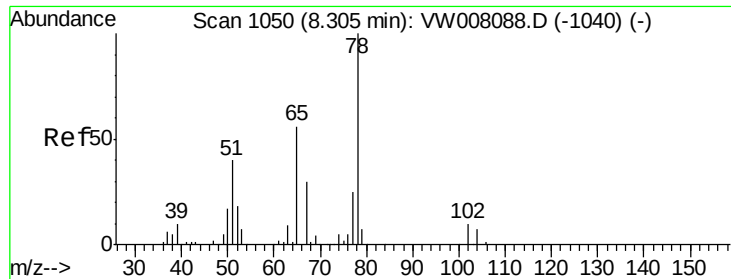
Tgt Ion: 56 Resp: 38039
Ion Ratio Lower Upper
56 100
69 36.3 26.2 39.4
84 89.8 67.4 101.2



#32
1,1,1-Trichloroethane
Concen: 20.598 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW008169.D
Acq: 11 Jan 2019 02:00

Tgt Ion: 97 Resp: 32952
Ion Ratio Lower Upper
97 100
99 62.9 51.4 77.0
61 45.7 35.6 53.4

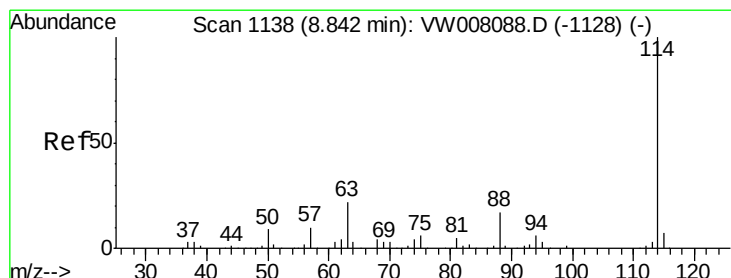
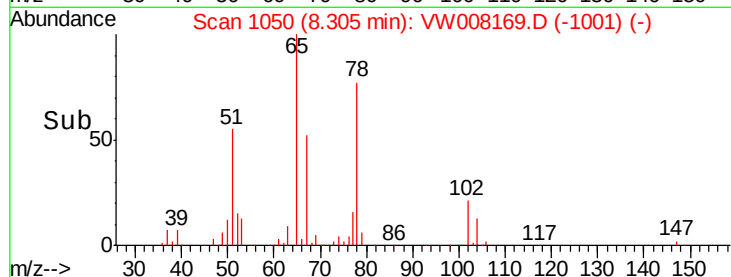
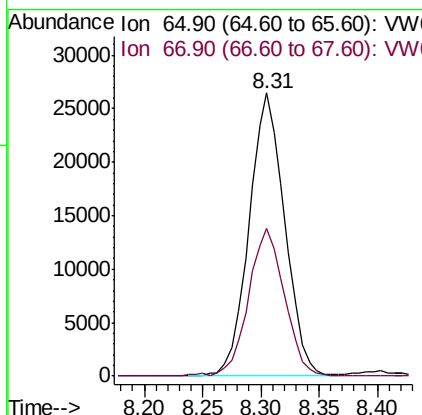
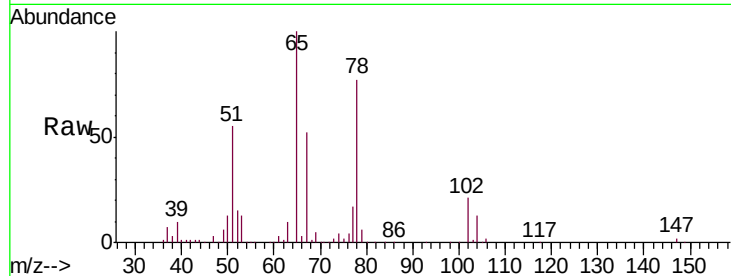




#33
 1,2-Dichloroethane-d4
 Concen: 57.000 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008169.D
 Acq: 11 Jan 2019 02:00

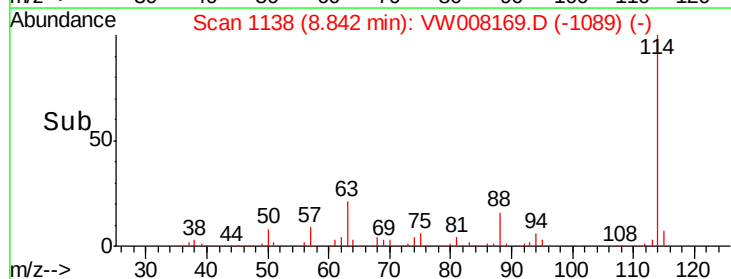
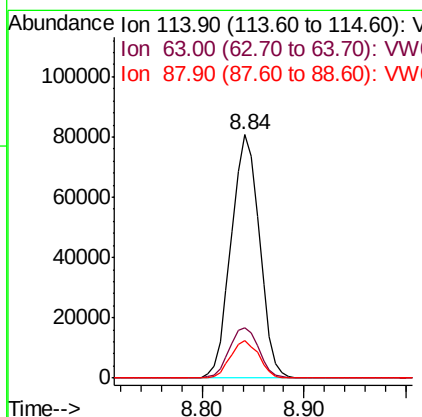
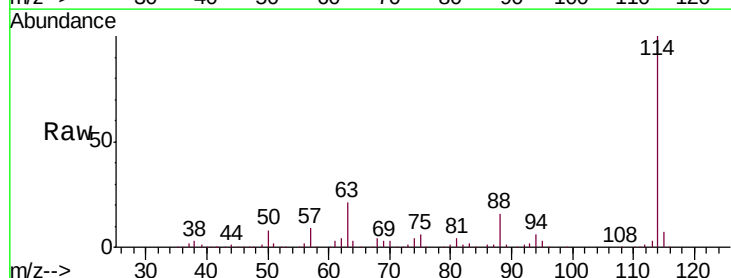
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0110SBSD02

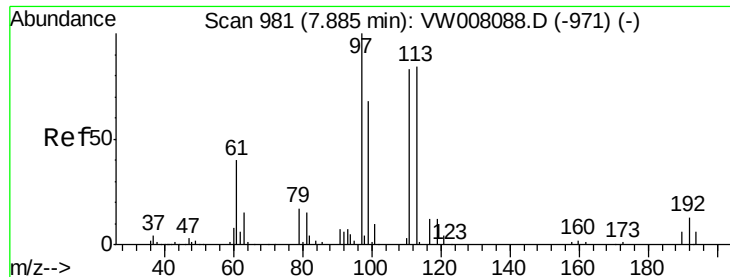
Tgt Ion: 65 Resp: 56006
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008169.D
 Acq: 11 Jan 2019 02:00

Tgt Ion: 114 Resp: 155697
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 43.4
 88 15.6 0.0 33.4

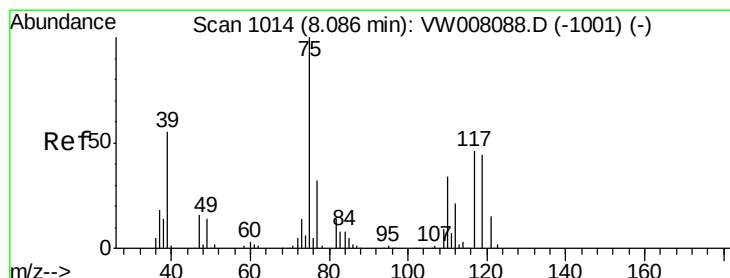
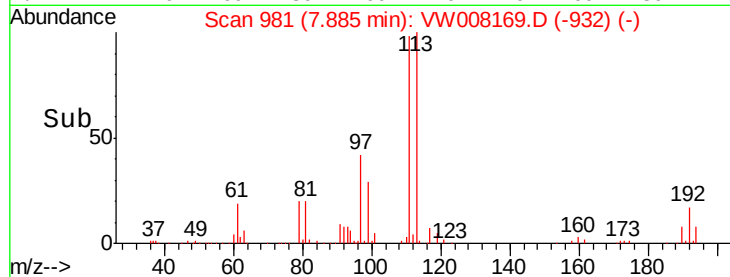
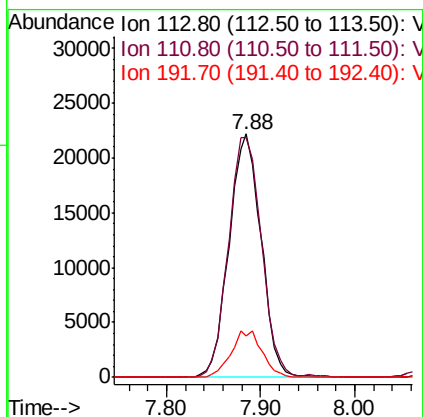
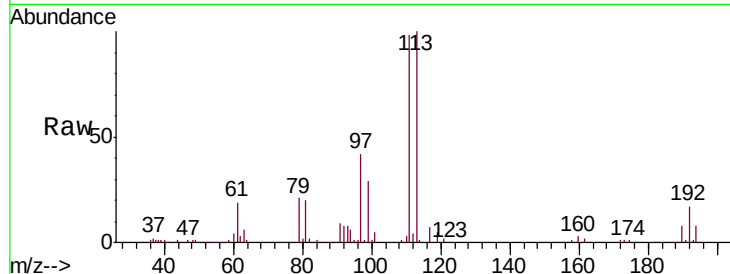




#35
 Dibromofluoromethane
 Concen: 57.661 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008169.D
 Acq: 11 Jan 2019 02:00

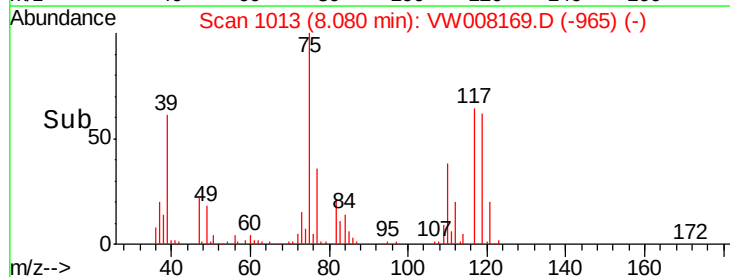
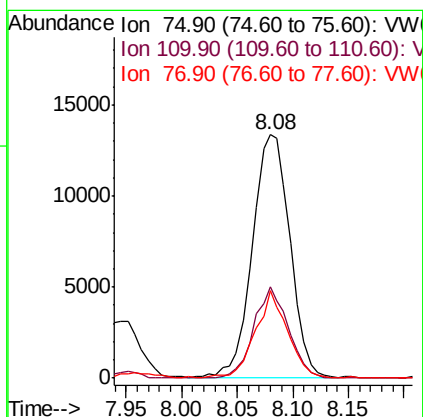
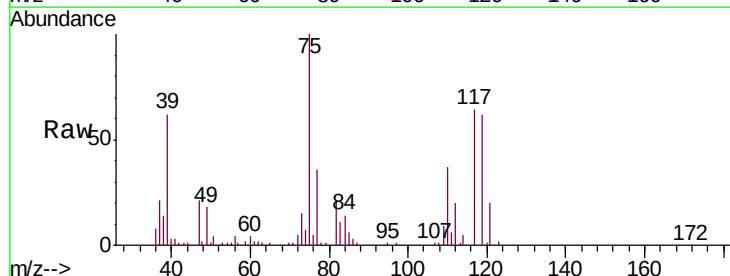
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0110SBSD02

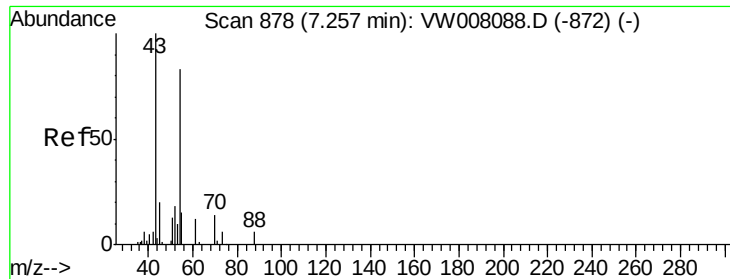
Tgt Ion: 113 Resp: 52361
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.8 122.8
 192 18.6 12.8 19.2



#36
 1,1-Dichloropropene
 Concen: 19.652 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: VW008169.D
 Acq: 11 Jan 2019 02:00

Tgt Ion: 75 Resp: 31519
 Ion Ratio Lower Upper
 75 100
 110 34.2 17.1 51.3
 77 31.1 25.5 38.3

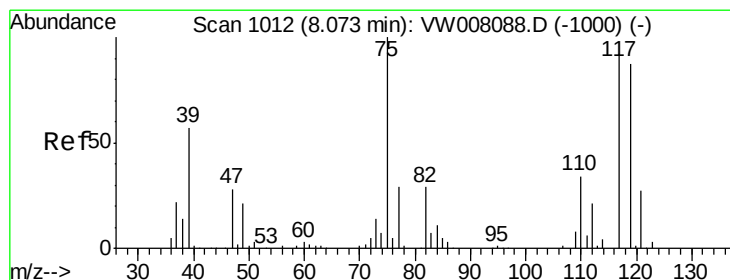
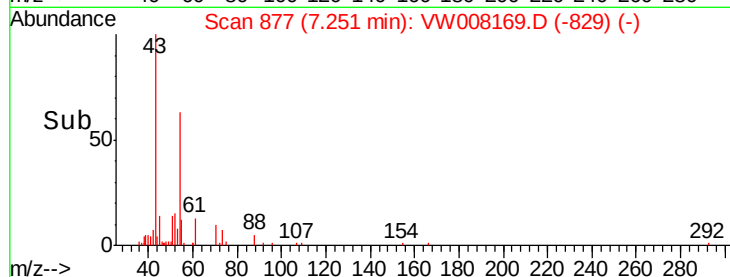
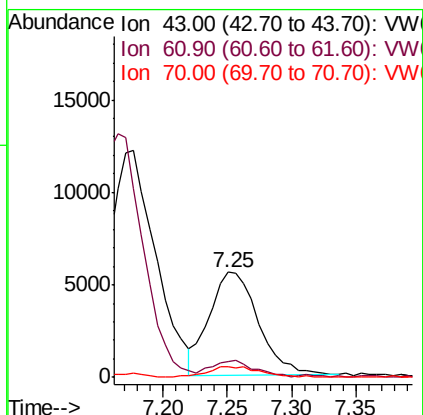
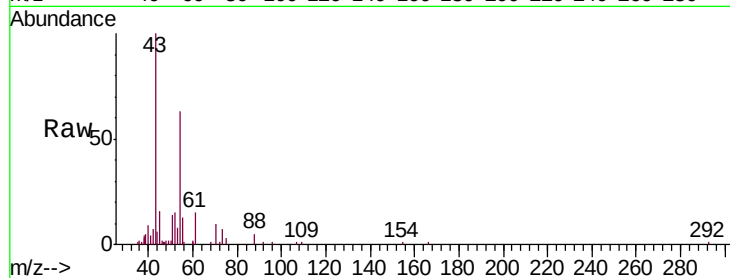




#37
Ethyl Acetate
Concen: 23.167 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: VW008169.D
Acq: 11 Jan 2019 02:00

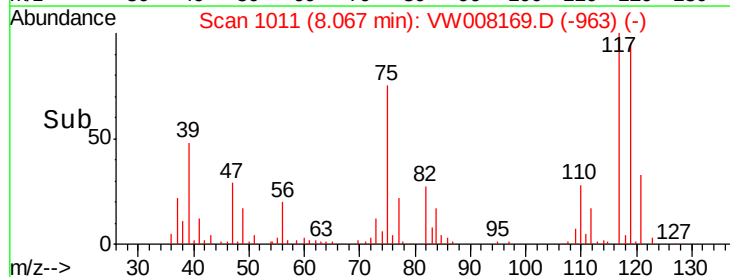
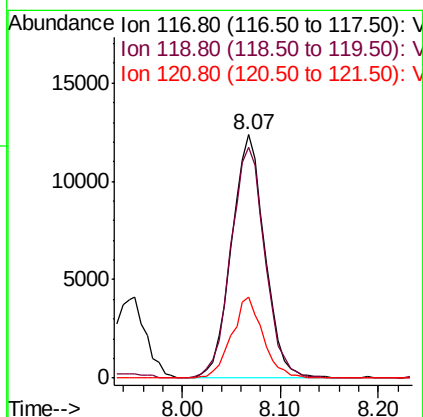
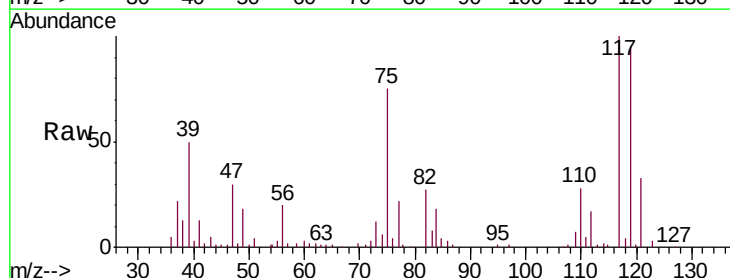
Instrument :
MSVOA_W
ClientSampleId :
VW0110SBSD02

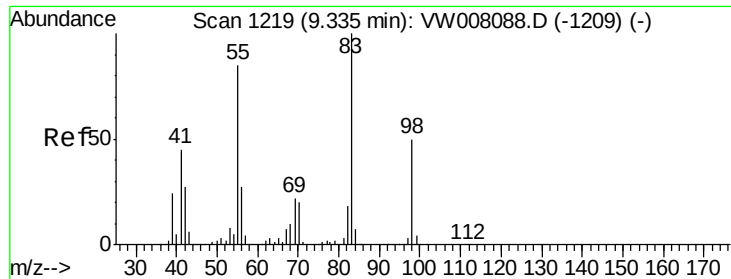
Tgt Ion: 43 Resp: 14886
Ion Ratio Lower Upper
43 100
61 14.3 10.6 16.0
70 11.1 8.9 13.3



#38
Carbon Tetrachloride
Concen: 19.836 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW008169.D
Acq: 11 Jan 2019 02:00

Tgt Ion: 117 Resp: 29119
Ion Ratio Lower Upper
117 100
119 94.6 75.8 113.8
121 33.4 23.7 35.5

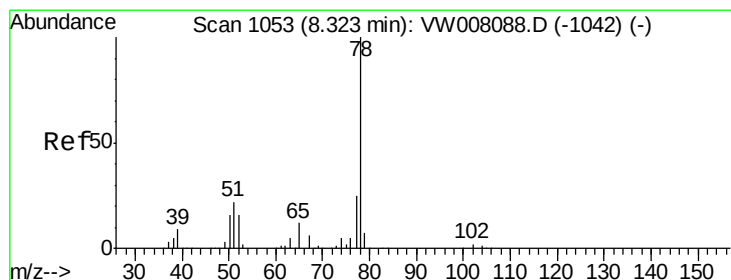
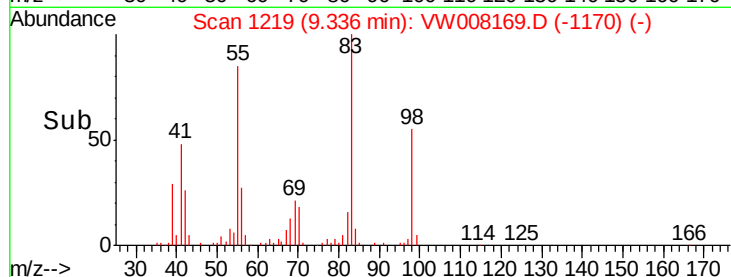
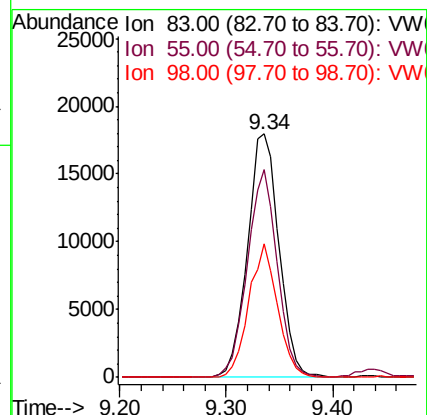
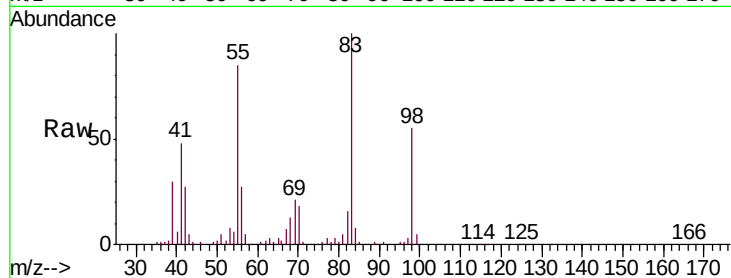




#39
Methylcyclohexane
Concen: 18.327 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008169.D
Acq: 11 Jan 2019 02:00

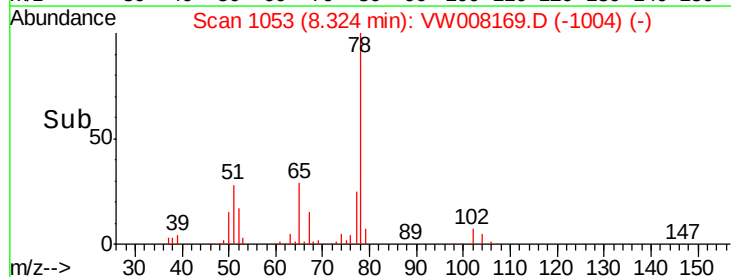
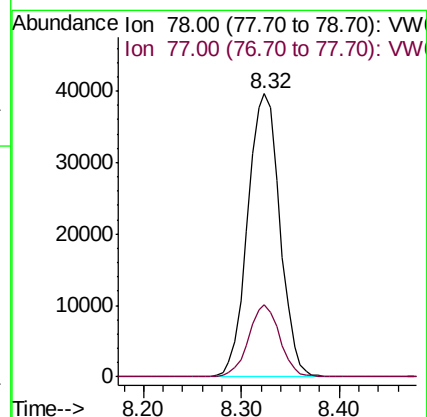
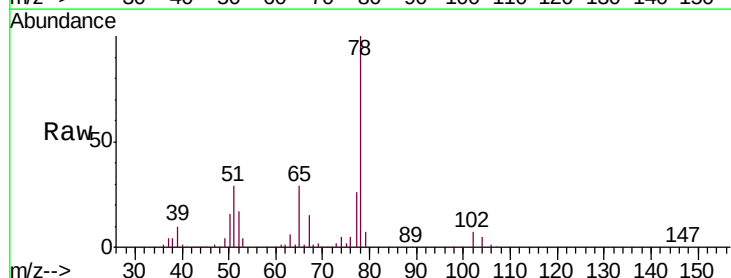
Instrument :
MSVOA_W
ClientSampleId :
VW0110SBSD02

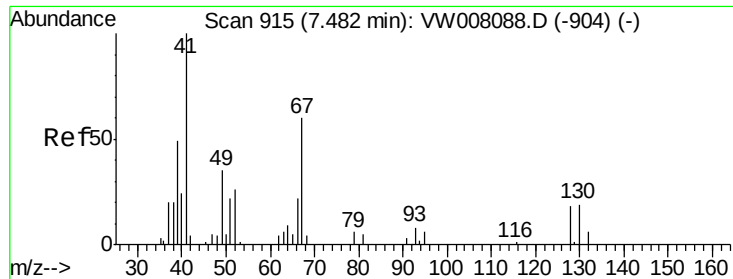
Tgt Ion: 83 Resp: 37270
Ion Ratio Lower Upper
83 100
55 85.3 67.8 101.6
98 54.7 40.2 60.4



#40
Benzene
Concen: 20.736 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008169.D
Acq: 11 Jan 2019 02:00

Tgt Ion: 78 Resp: 90205
Ion Ratio Lower Upper
78 100
77 25.6 20.2 30.4

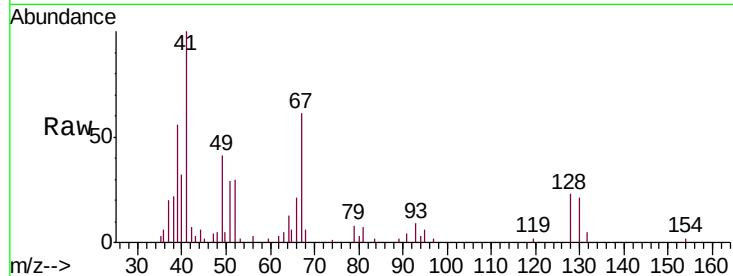




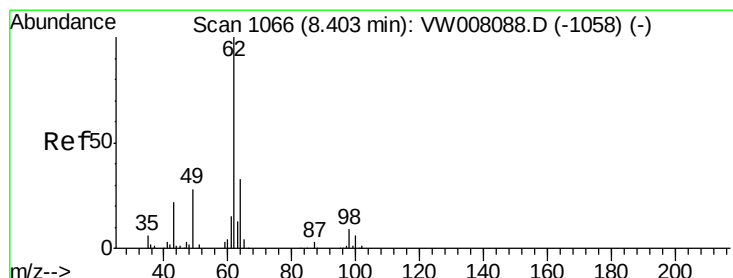
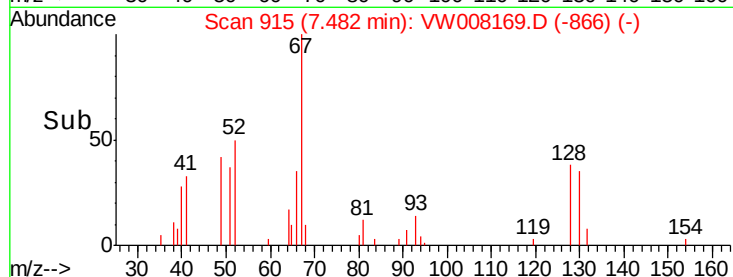
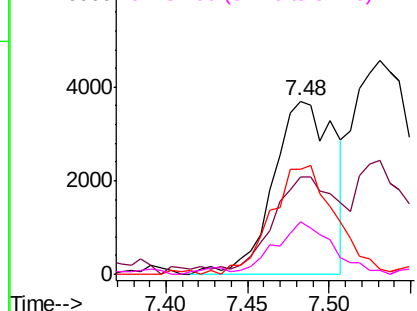
#41
Methacrylonitrile
Concen: 23.706 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW008169.D
Acq: 11 Jan 2019 02:00

Instrument :
MSVOA_W
ClientSampled :
VW0110SBSD02

Tgt Ion:	41	Resp:	9622
Ion	Ratio	Lower	Upper
41	100		
39	58.1	47.9	71.9
67	65.7	56.3	84.5
52	28.1	24.5	36.7

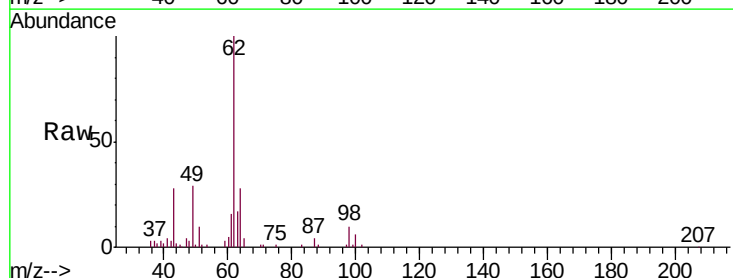


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

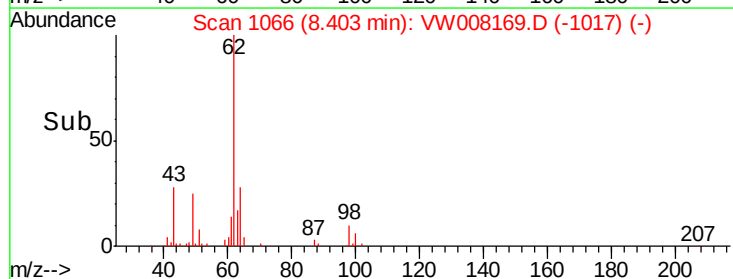
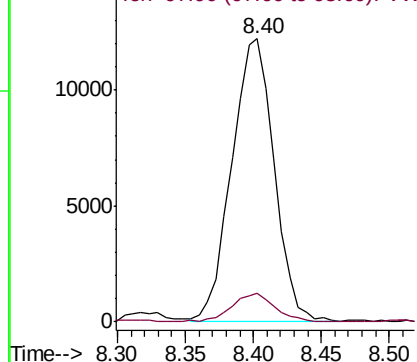


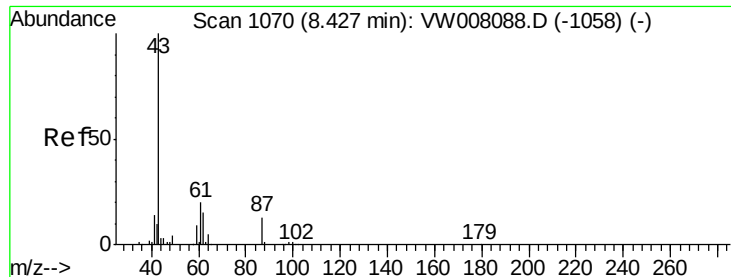
#42
1,2-Dichloroethane
Concen: 21.782 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW008169.D
Acq: 11 Jan 2019 02:00

Tgt Ion:	62	Resp:	26650
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	18.6



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





#43

Isopropyl Acetate

Concen: 22.656 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBSD02

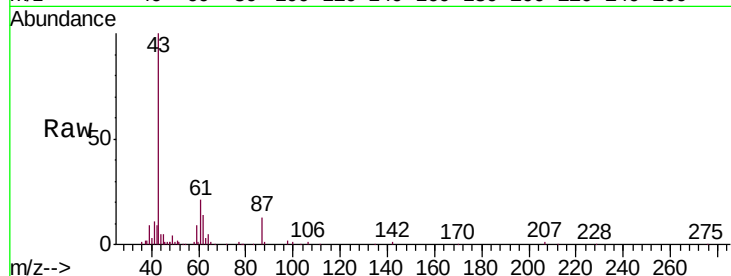
Tgt Ion: 43 Resp: 29106

Ion Ratio Lower Upper

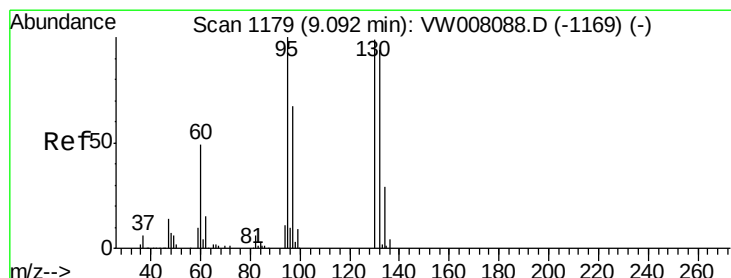
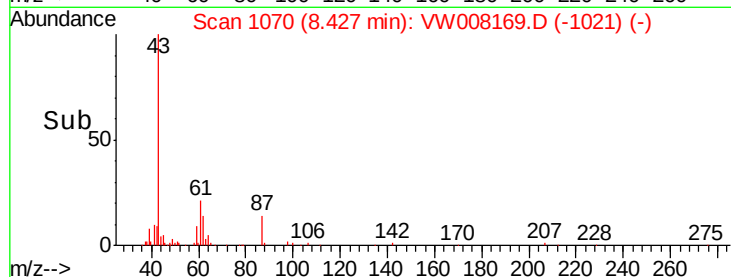
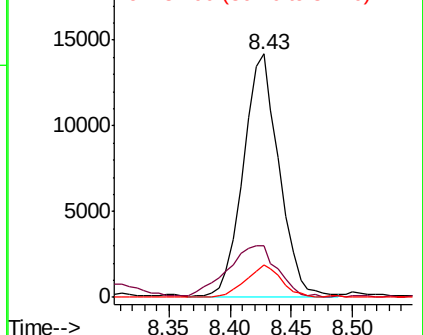
43 100

61 29.8 24.8 37.2

87 13.0 10.4 15.6



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: 20.799 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW008169.D

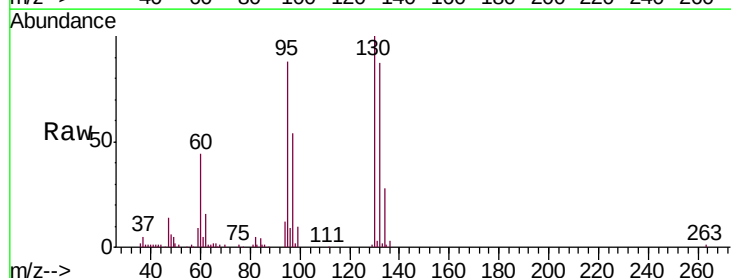
Acq: 11 Jan 2019 02:00

Tgt Ion: 130 Resp: 23161

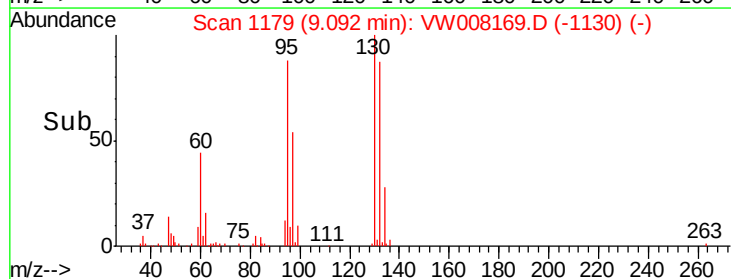
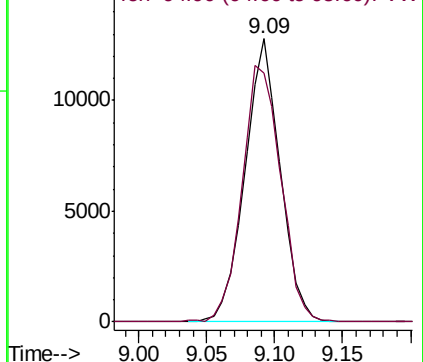
Ion Ratio Lower Upper

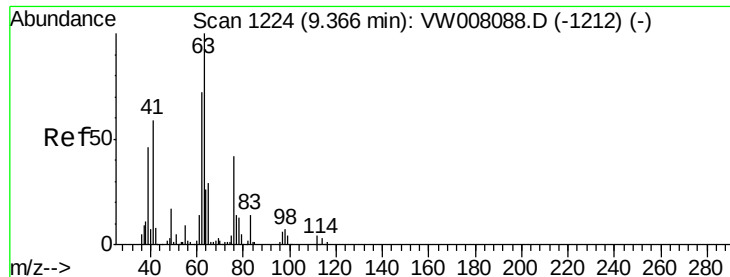
130 100

95 87.8 0.0 202.8



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





#45

1,2-Dichloropropane

Concen: 20.860 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

Instrument :

MSVOA_W

ClientSampleId :

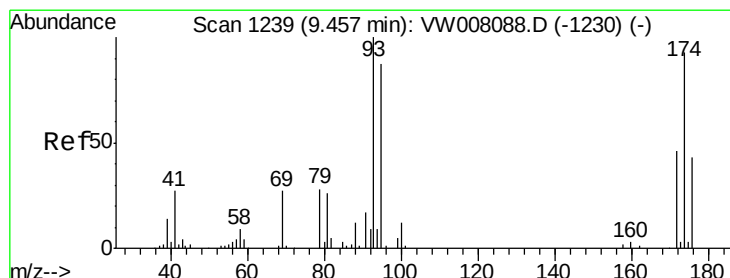
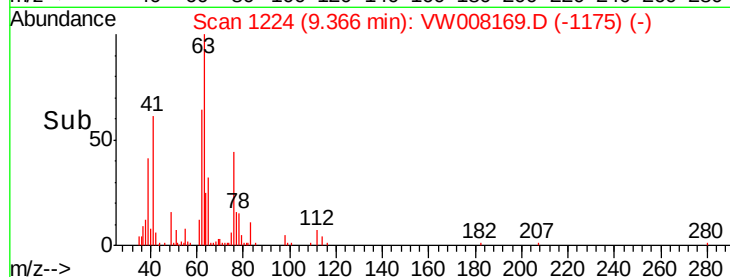
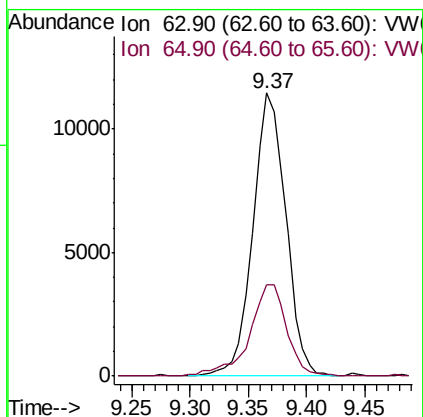
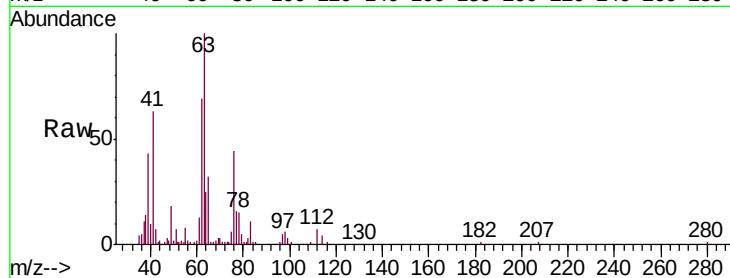
VW0110SBSD02

Tgt Ion: 63 Resp: 22500

Ion Ratio Lower Upper

63 100

65 32.4 23.3 34.9



#46

Dibromomethane

Concen: 22.657 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

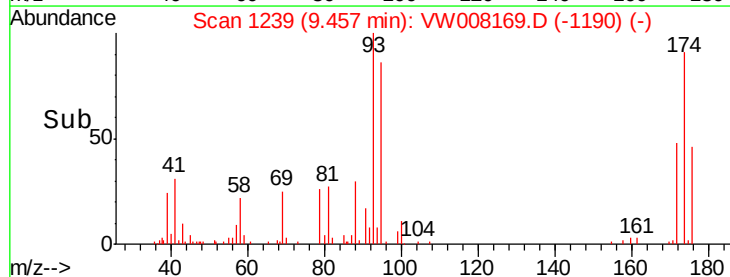
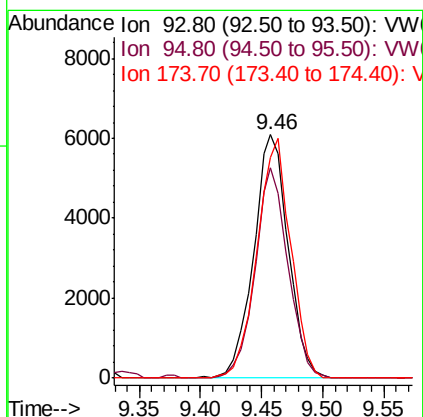
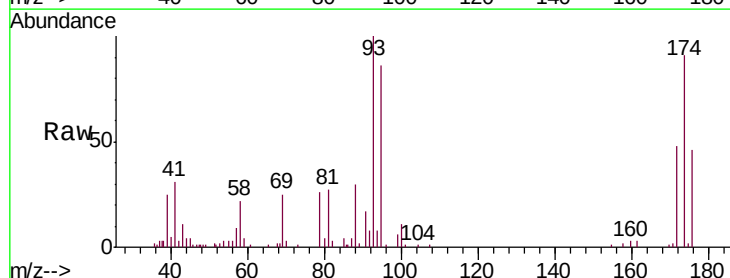
Tgt Ion: 93 Resp: 12002

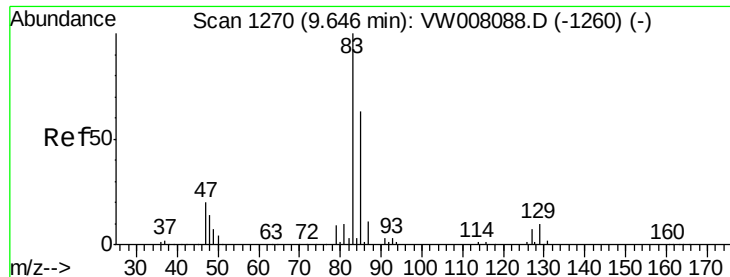
Ion Ratio Lower Upper

93 100

95 82.2 67.5 101.3

174 95.4 72.5 108.7





#47

Bromodichloromethane

Concen: 21.554 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBSD02

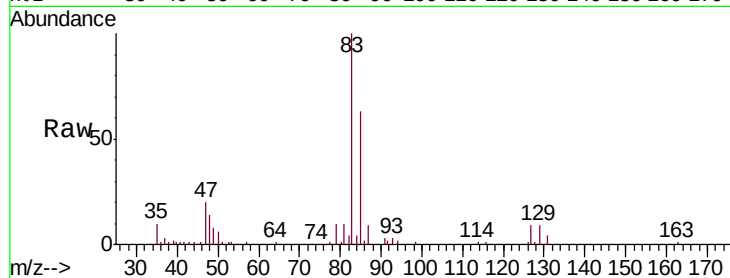
Tgt Ion: 83 Resp: 28992

Ion Ratio Lower Upper

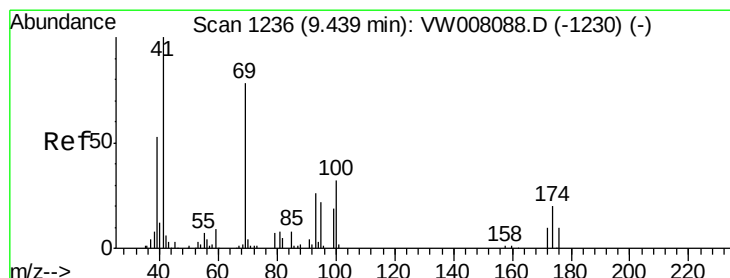
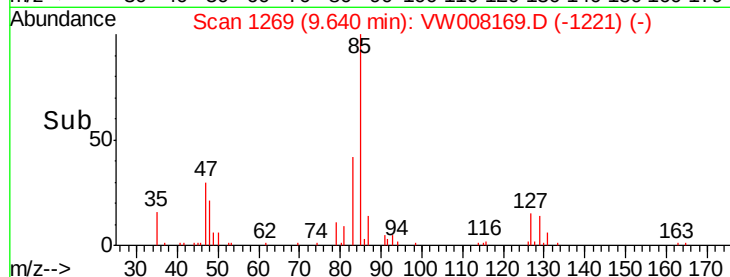
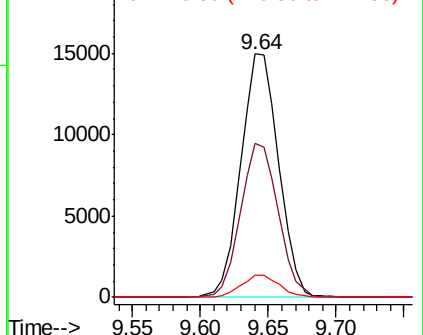
83 100

85 63.4 50.7 76.1

127 9.2 6.0 9.0#



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



#48

Methyl methacrylate

Concen: 22.085 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

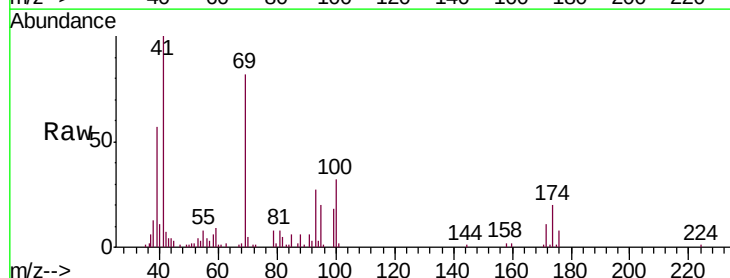
Tgt Ion: 41 Resp: 13388

Ion Ratio Lower Upper

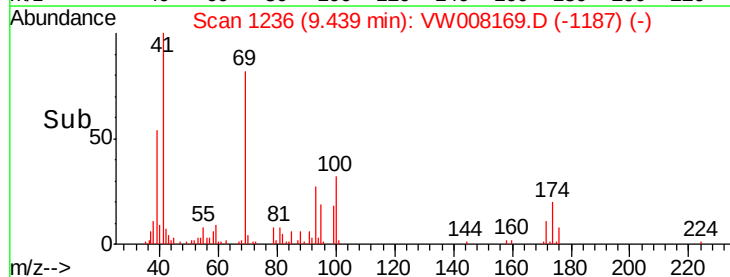
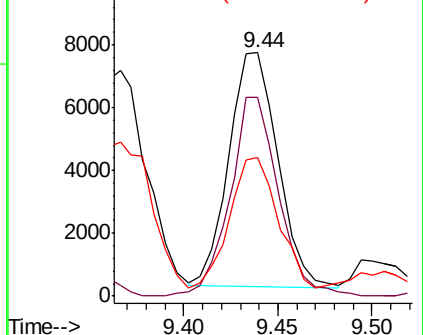
41 100

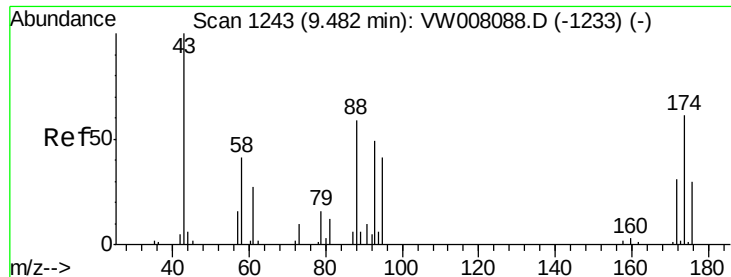
69 84.6 61.9 92.9

39 55.2 43.0 64.4



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

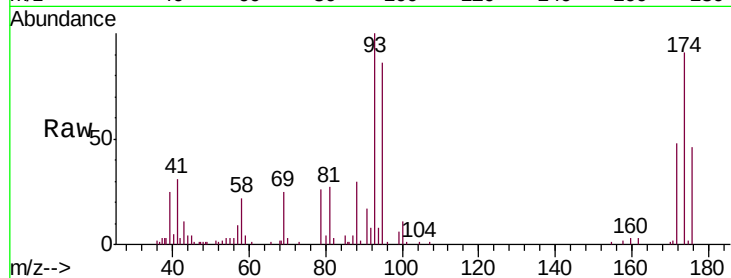




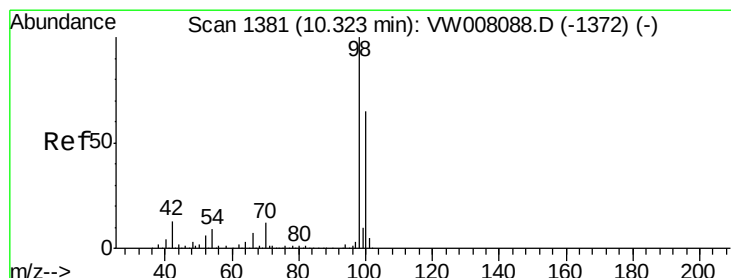
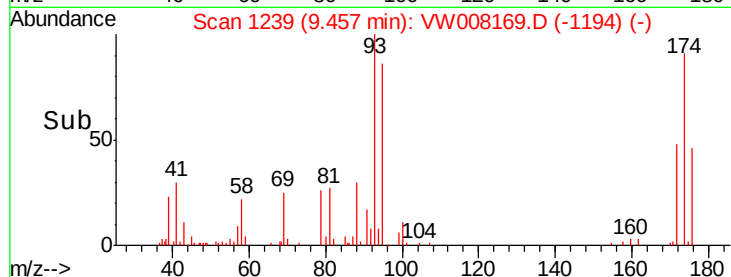
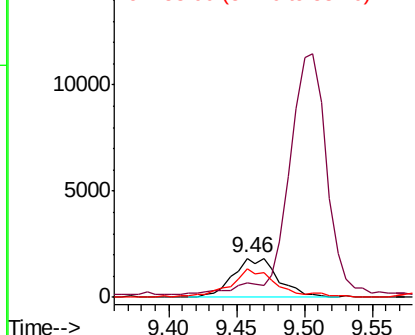
#49
1,4-Dioxane
Concen: 498.541 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. -0.02 min
Lab File: VW008169.D
Acq: 11 Jan 2019 02:00

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBSD02

Tgt Ion: 88 Resp: 4247
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 76.9 61.7 92.5

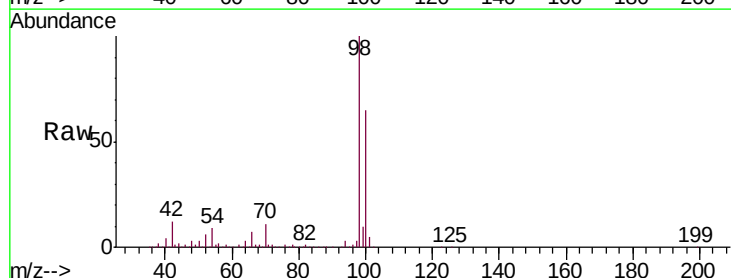


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

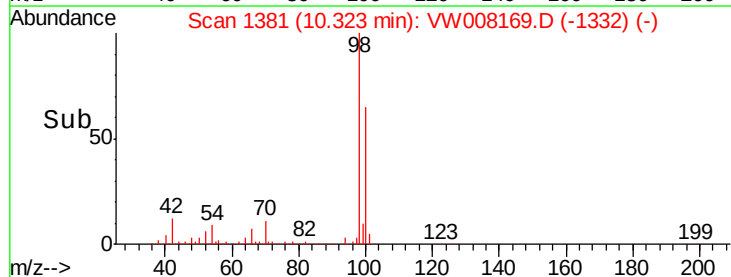
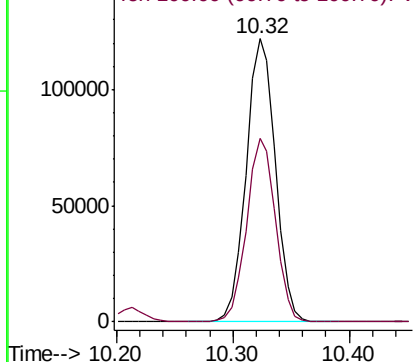


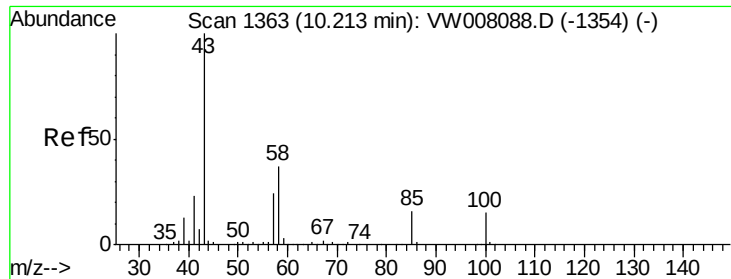
#50
Toluene-d8
Concen: 56.062 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008169.D
Acq: 11 Jan 2019 02:00

Tgt Ion: 98 Resp: 213633
Ion Ratio Lower Upper
98 100
100 63.9 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 117.085 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

Instrument :

MSVOA_W

ClientSampleId :

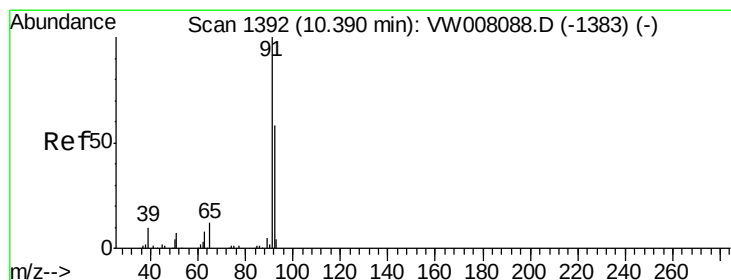
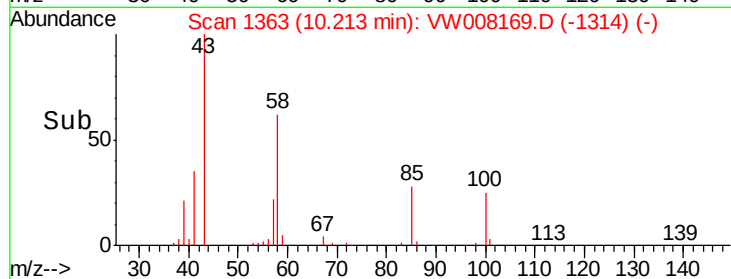
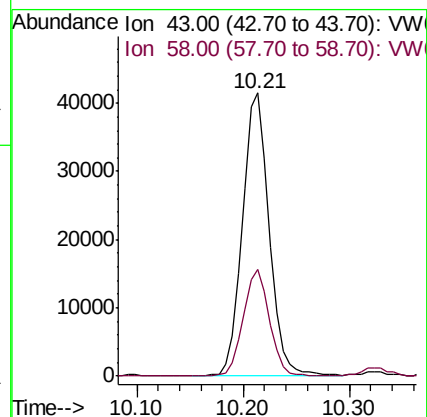
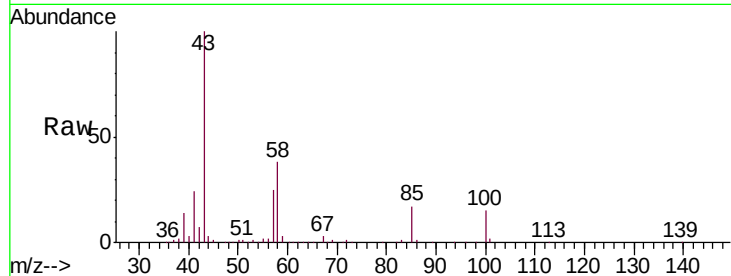
VW0110SBSD02

Tgt Ion: 43 Resp: 72811

Ion Ratio Lower Upper

43 100

58 37.2 30.6 46.0



#52

Toluene

Concen: 20.943 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW008169.D

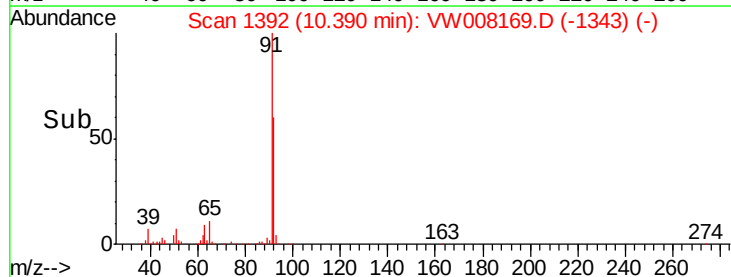
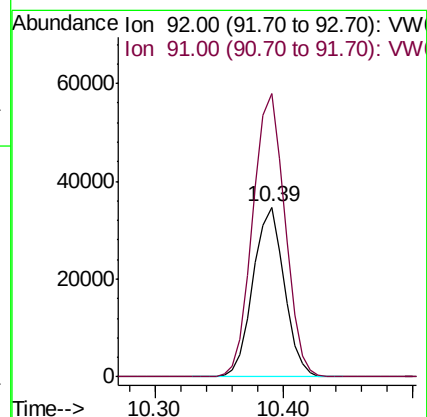
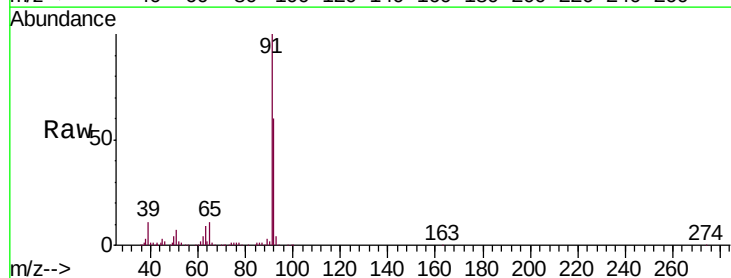
Acq: 11 Jan 2019 02:00

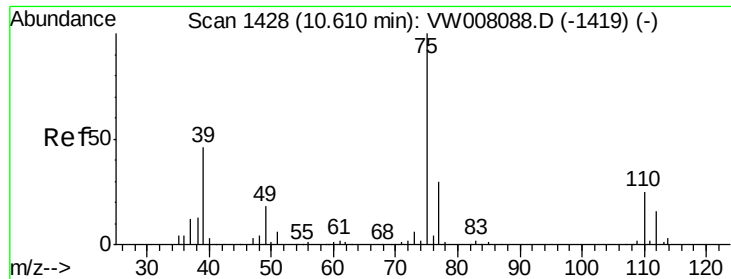
Tgt Ion: 92 Resp: 58182

Ion Ratio Lower Upper

92 100

91 172.0 137.0 205.4





#53

t-1,3-Dichloropropene

Concen: 20.767 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.01 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

Instrument :

MSVOA_W

ClientSampleId :

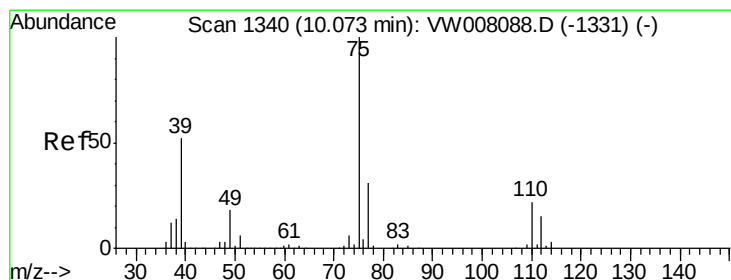
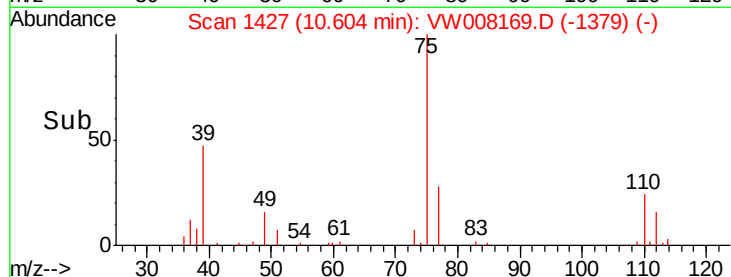
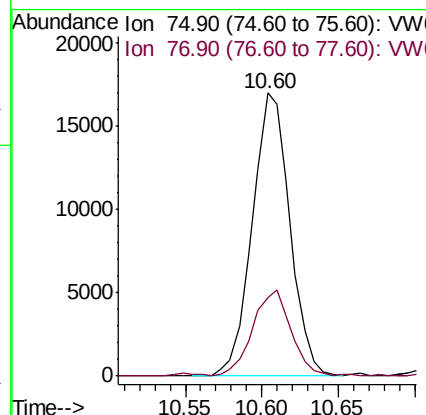
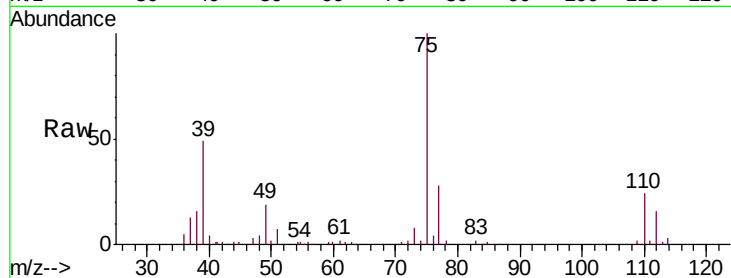
VW0110SBSD02

Tgt Ion: 75 Resp: 29055

Ion Ratio Lower Upper

75 100

77 27.1 24.4 36.6



#54

cis-1,3-Dichloropropene

Concen: 20.374 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

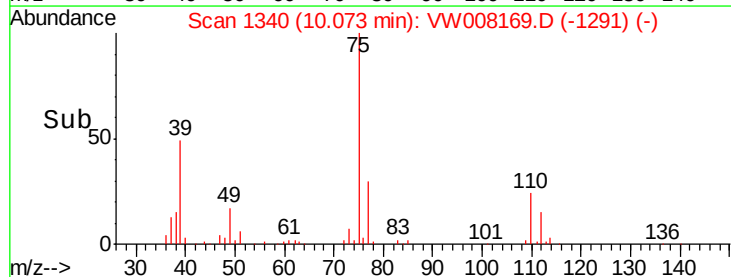
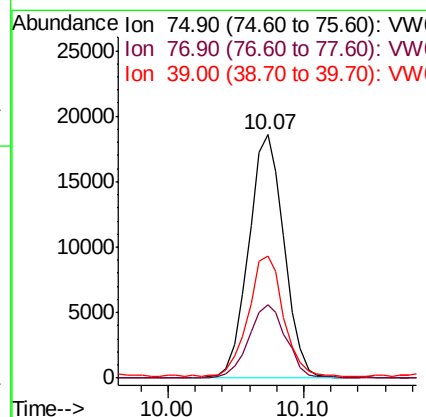
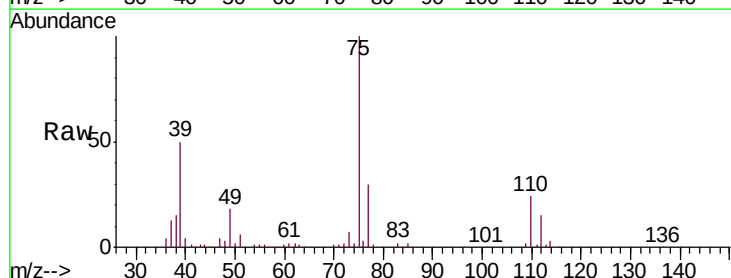
Tgt Ion: 75 Resp: 33802

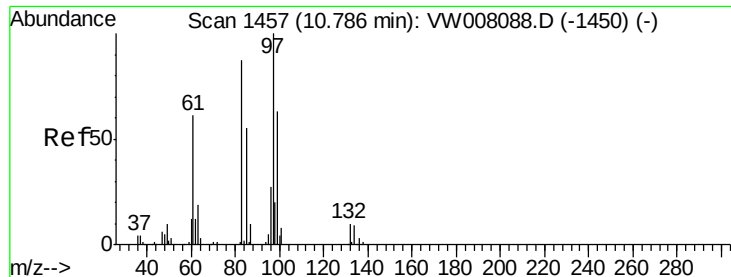
Ion Ratio Lower Upper

75 100

77 30.2 25.2 37.8

39 49.1 41.4 62.0

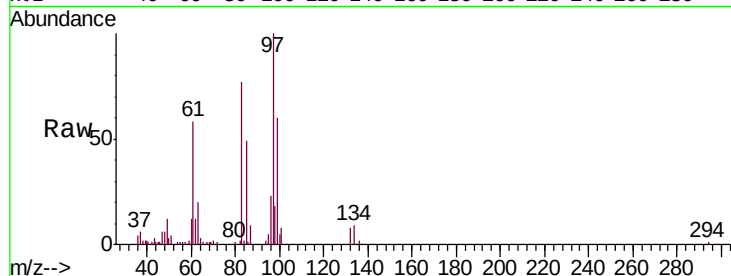




#55
 1,1,2-Trichloroethane
 Concen: 23.035 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008169.D
 Acq: 11 Jan 2019 02:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0110SBSD02

Tgt Ion:	97	Resp:	17132
Ion	Ratio	Lower	Upper
97	100		
83	77.3	69.3	103.9
85	48.7	43.8	65.6
99	59.9	50.0	75.0



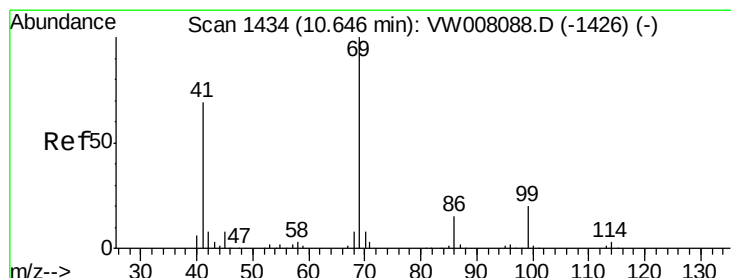
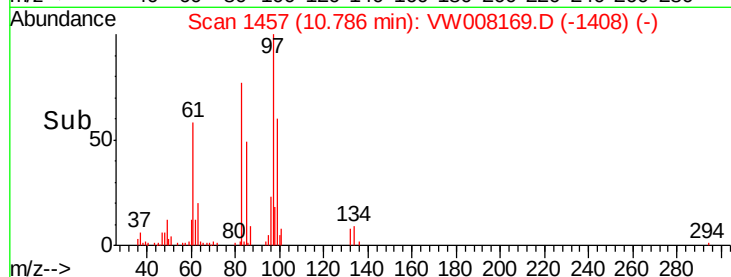
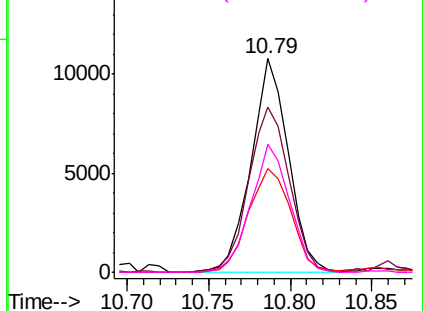
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

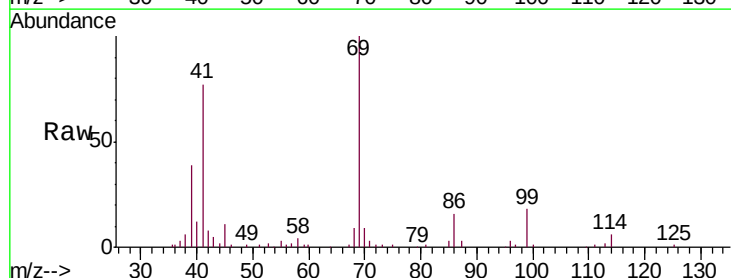
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 22.773 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008169.D
 Acq: 11 Jan 2019 02:00

Tgt Ion:	69	Resp:	20975
Ion	Ratio	Lower	Upper
69	100		
41	69.7	56.4	84.6
39	35.2	28.1	42.1

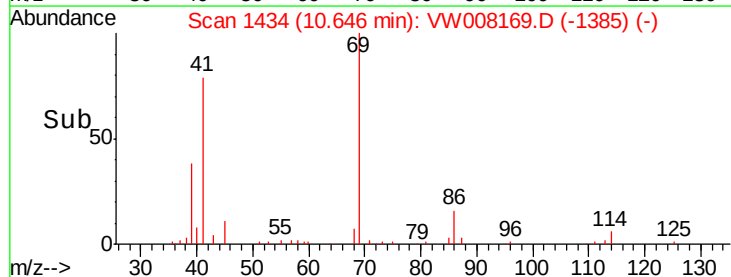
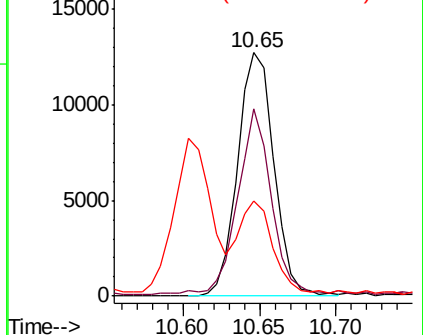


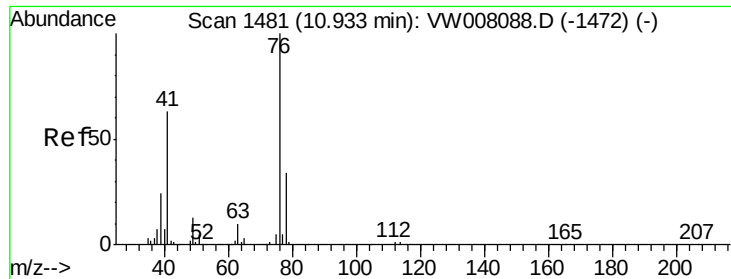
Abundance

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: 22.084 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

Instrument :

MSVOA_W

ClientSampleId :

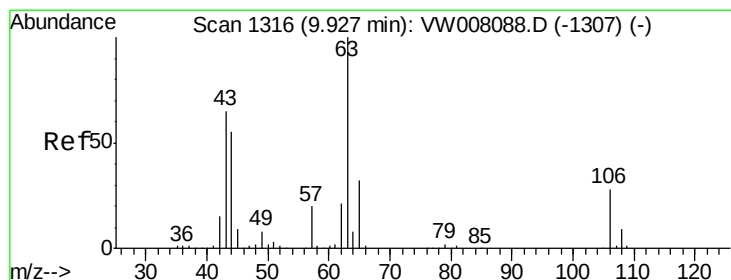
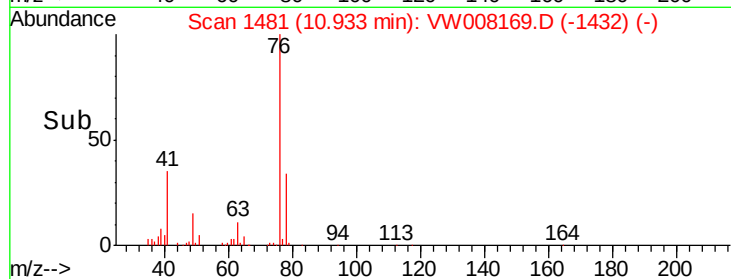
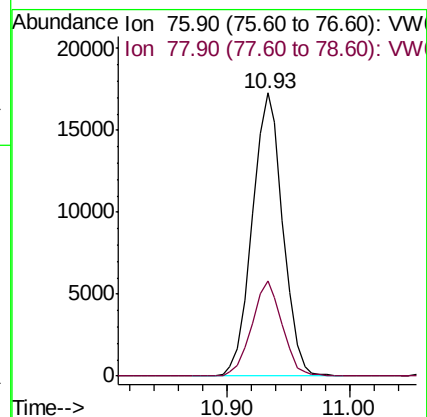
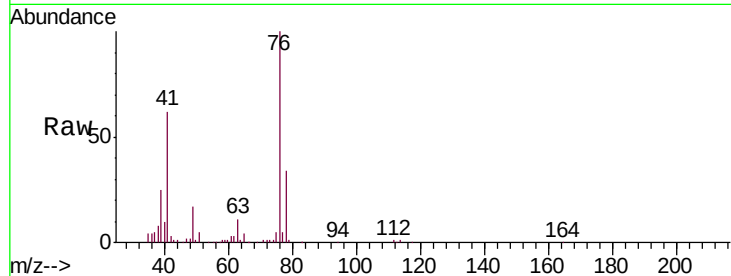
VW0110SBSD02

Tgt Ion: 76 Resp: 30038

Ion Ratio Lower Upper

76 100

78 33.2 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 120.694 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VW008169.D

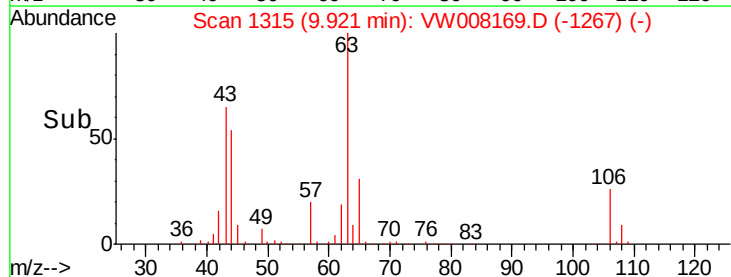
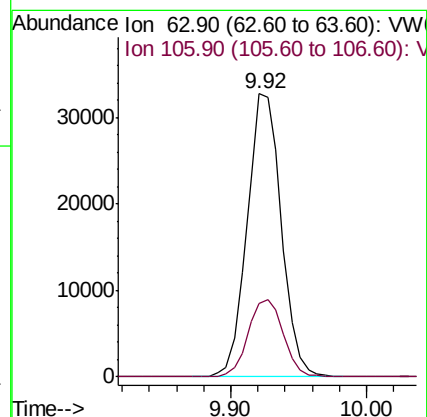
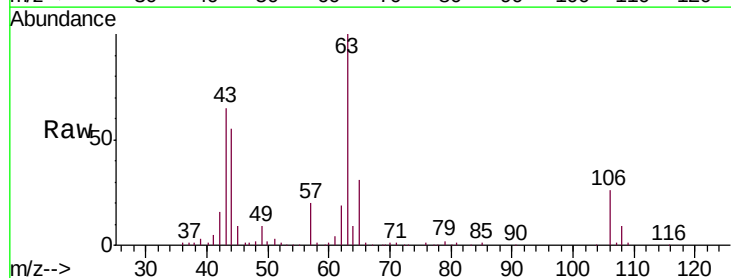
Acq: 11 Jan 2019 02:00

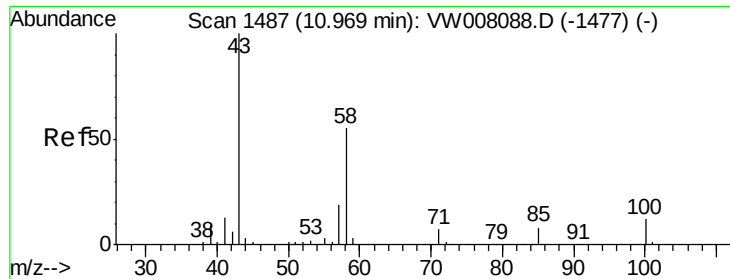
Tgt Ion: 63 Resp: 57422

Ion Ratio Lower Upper

63 100

106 28.0 21.8 32.6

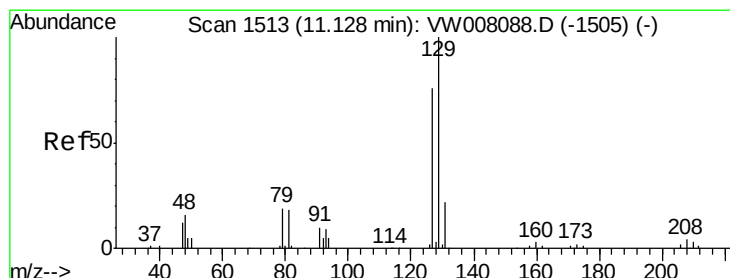
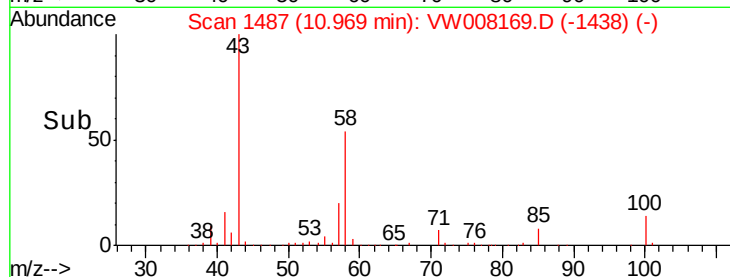
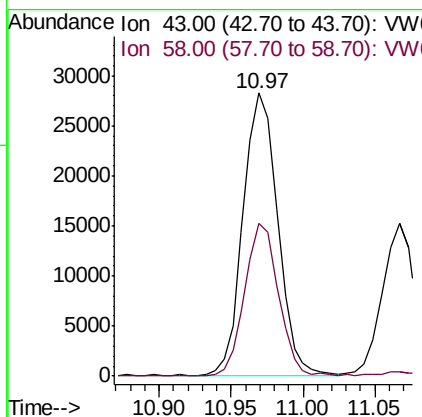
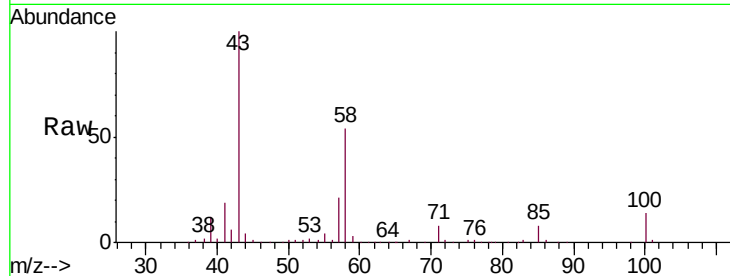




#59
2-Hexanone
Concen: 112.793 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008169.D
Acq: 11 Jan 2019 02:00

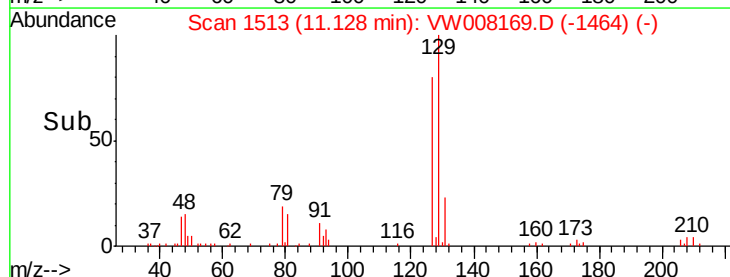
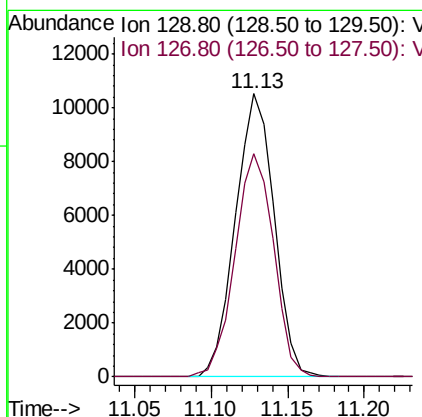
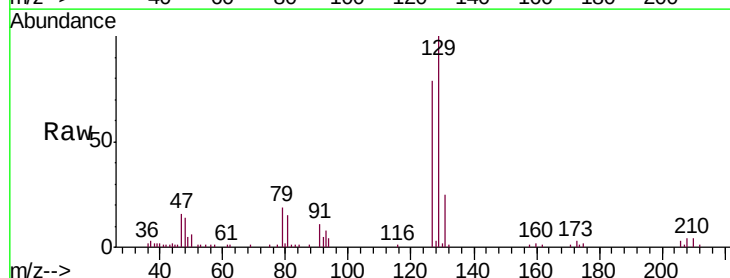
Instrument :
MSVOA_W
ClientSampleId :
VW0110SBSD02

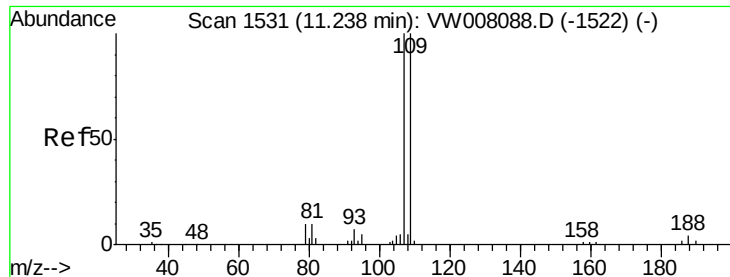
Tgt Ion: 43 Resp: 47433
Ion Ratio Lower Upper
43 100
58 52.5 27.2 81.5



#60
Dibromochloromethane
Concen: 22.643 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008169.D
Acq: 11 Jan 2019 02:00

Tgt Ion: 129 Resp: 18492
Ion Ratio Lower Upper
129 100
127 79.0 38.9 116.6

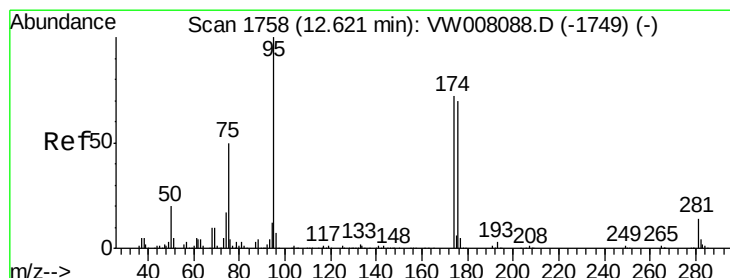
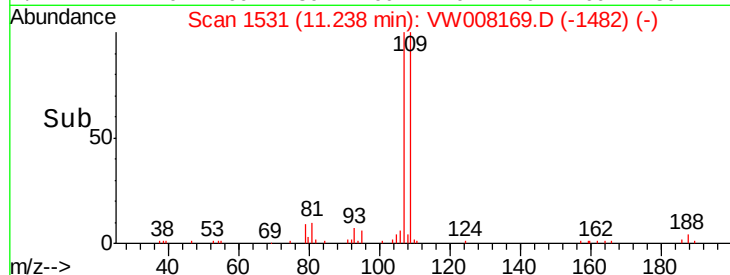
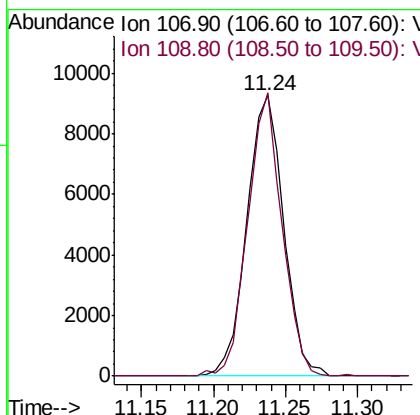
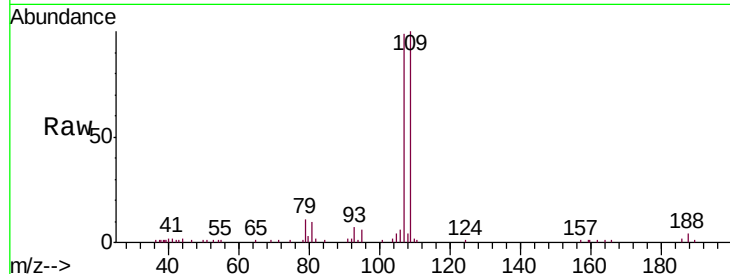




#61
 1,2-Dibromoethane
 Concen: 23.145 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW008169.D
 Acq: 11 Jan 2019 02:00

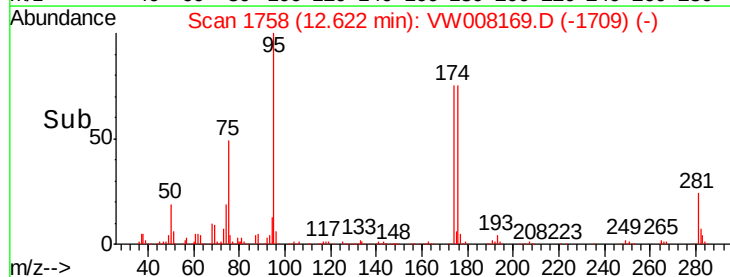
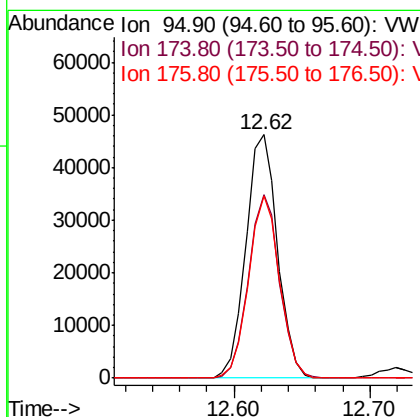
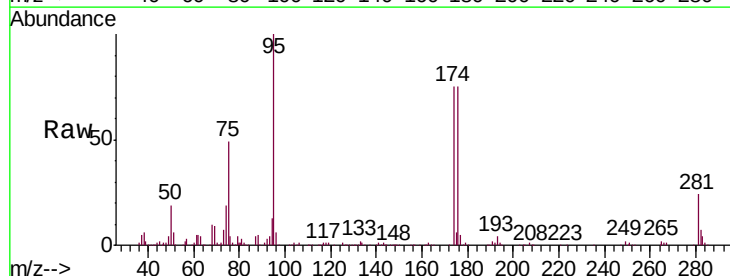
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0110SBSD02

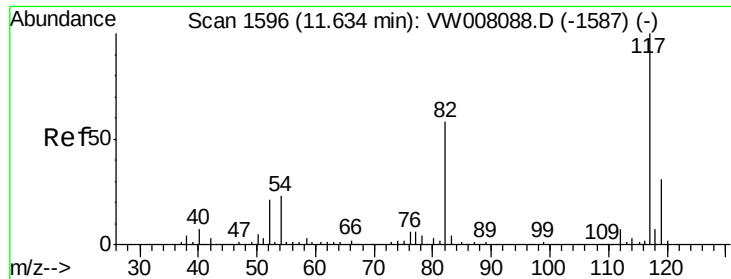
Tgt Ion: 107 Resp: 16333
 Ion Ratio Lower Upper
 107 100
 109 93.8 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 55.090 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW008169.D
 Acq: 11 Jan 2019 02:00

Tgt Ion: 95 Resp: 75259
 Ion Ratio Lower Upper
 95 100
 174 74.1 0.0 143.0
 176 73.3 0.0 140.2

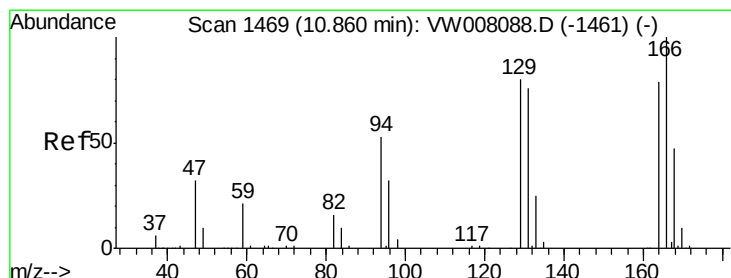
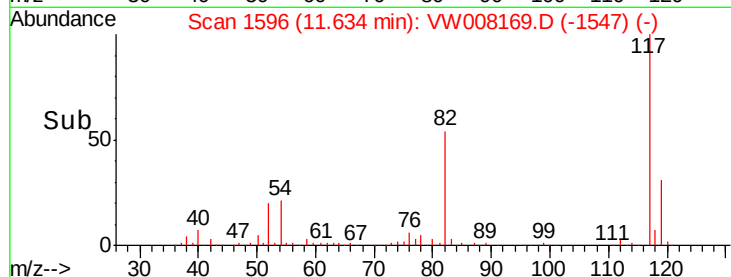
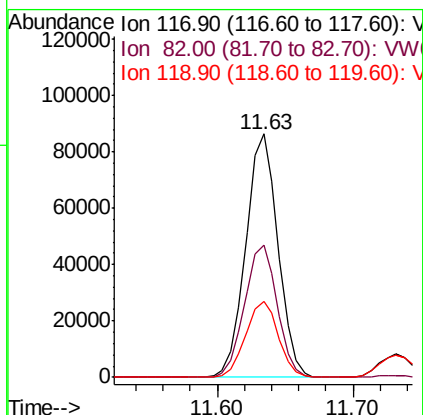
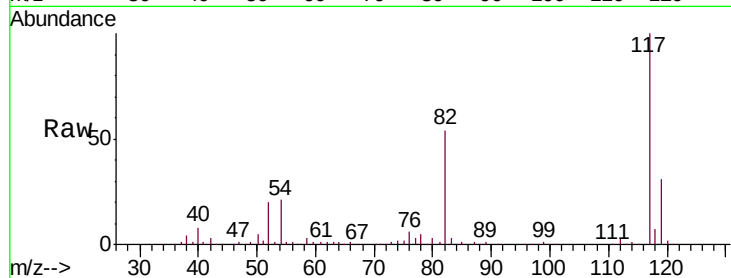




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008169.D
Acq: 11 Jan 2019 02:00

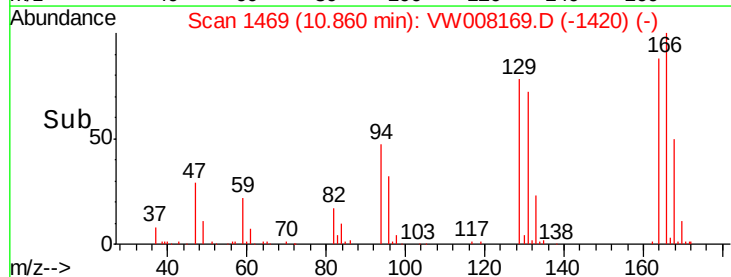
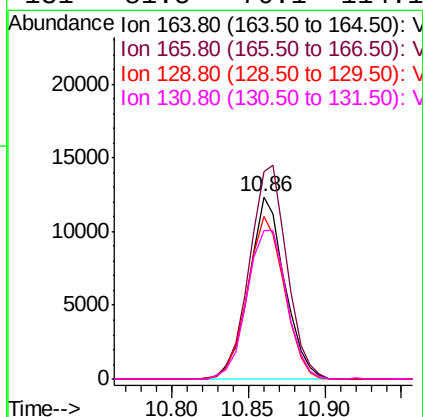
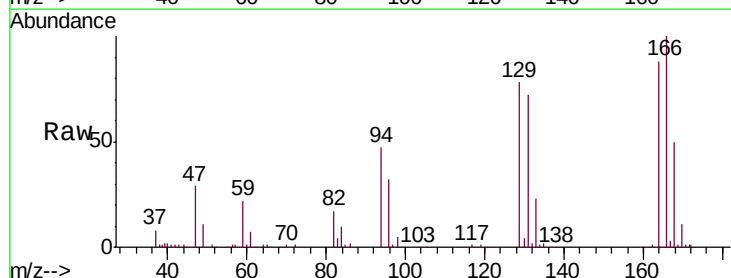
Instrument :
MSVOA_W
ClientSampleId :
VW0110SBSD02

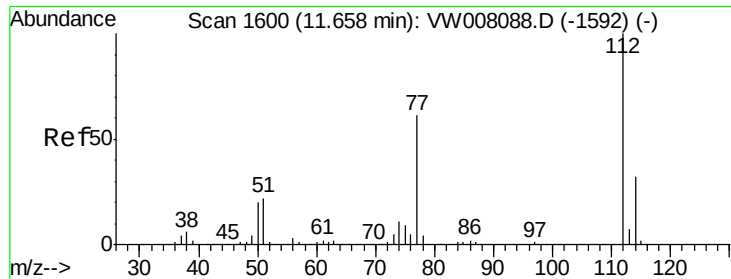
Tgt Ion:117 Resp: 143420
Ion Ratio Lower Upper
117 100
82 54.4 46.4 69.6
119 31.2 24.7 37.1



#64
Tetrachloroethene
Concen: 21.661 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW008169.D
Acq: 11 Jan 2019 02:00

Tgt Ion:164 Resp: 20218
Ion Ratio Lower Upper
164 100
166 114.0 100.7 151.1
129 89.1 81.0 121.4
131 81.5 76.1 114.1

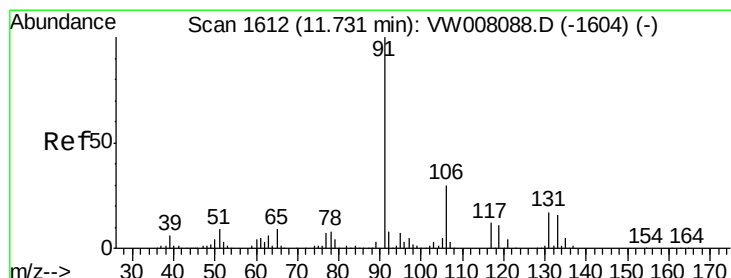
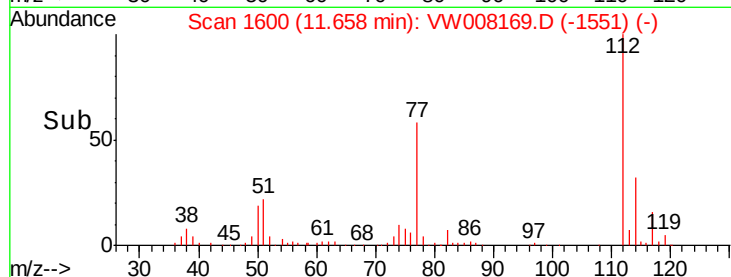
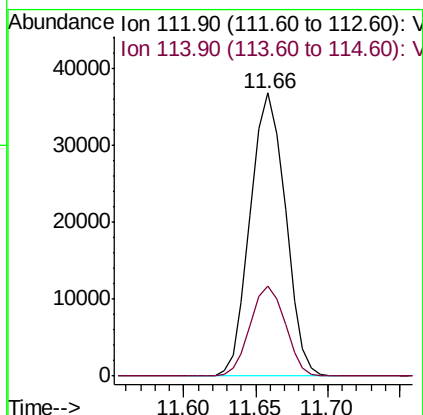
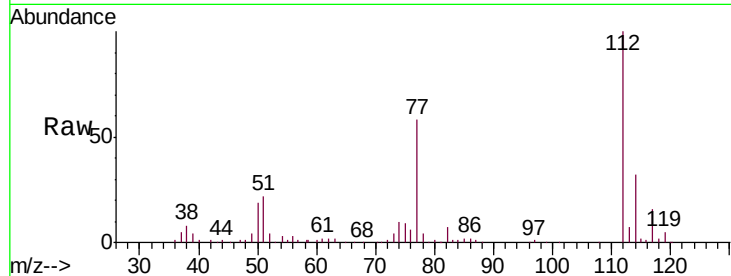




#65
Chlorobenzene
Concen: 20.565 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW008169.D
Acq: 11 Jan 2019 02:00

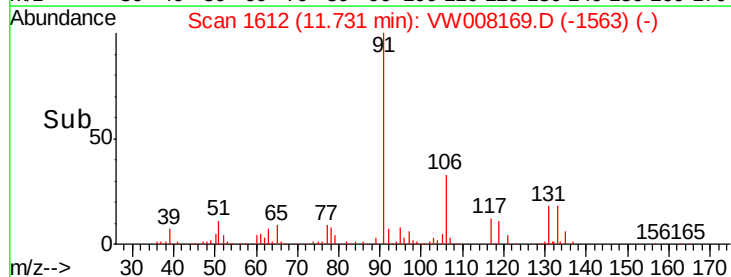
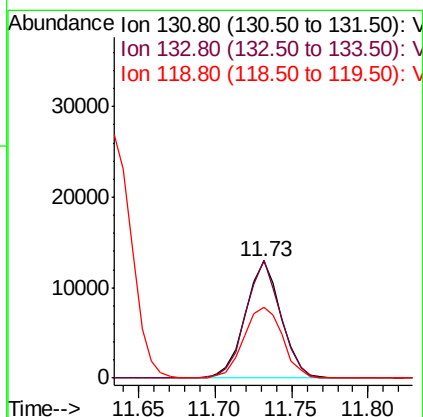
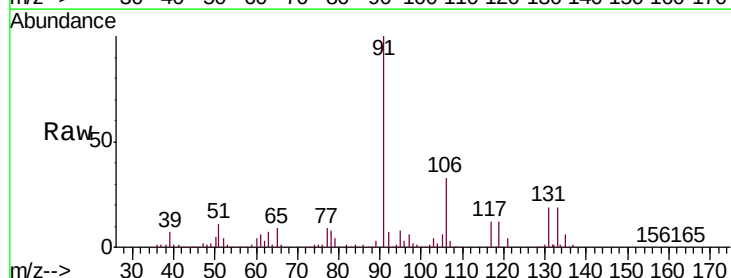
Instrument :
MSVOA_W
ClientSampleId :
VW0110SBSD02

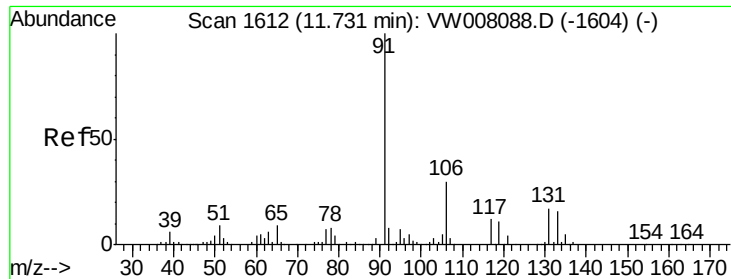
Tgt Ion:112 Resp: 62486
Ion Ratio Lower Upper
112 100
114 31.8 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 21.141 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008169.D
Acq: 11 Jan 2019 02:00

Tgt Ion:131 Resp: 20893
Ion Ratio Lower Upper
131 100
133 98.2 47.9 143.7
119 66.0 32.5 97.4

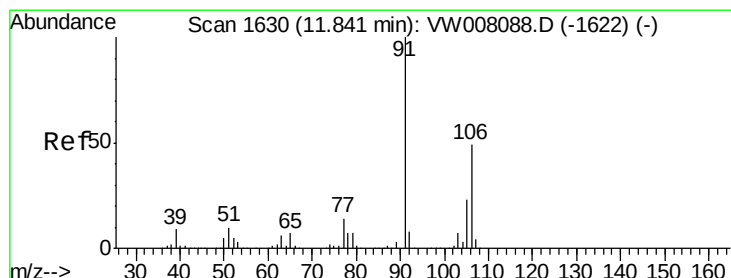
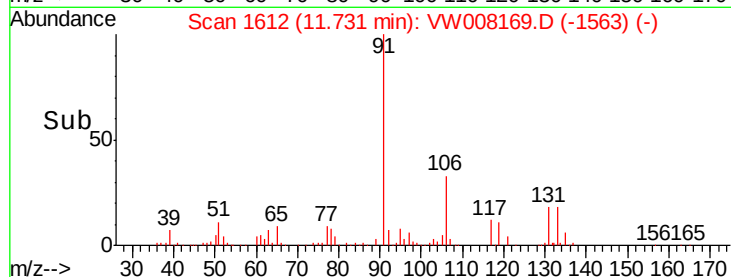
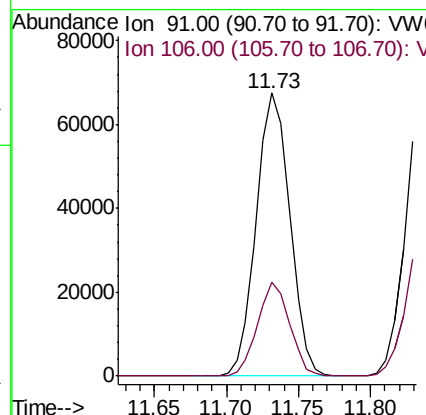
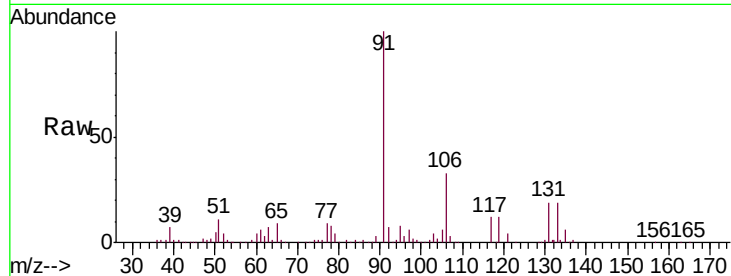




#67
Ethyl Benzene
Concen: 19.634 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008169.D
Acq: 11 Jan 2019 02:00

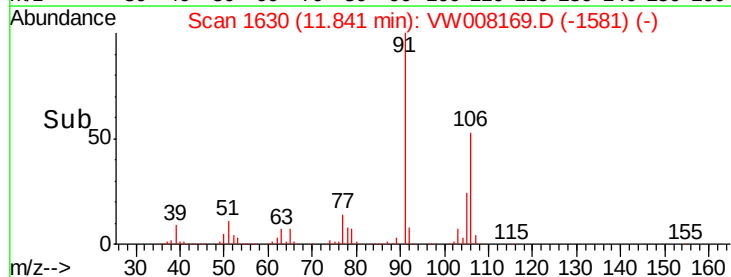
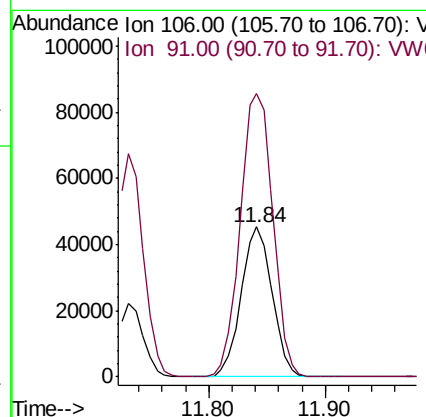
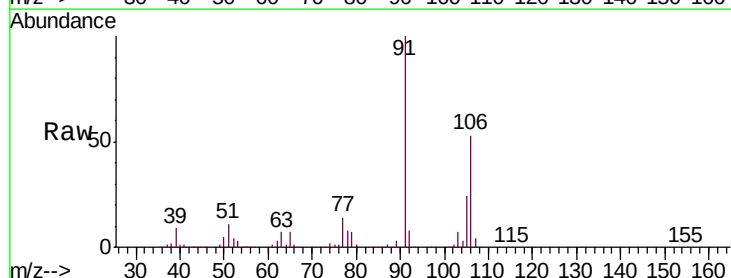
Instrument :
MSVOA_W
ClientSampleId :
VW0110SBSD02

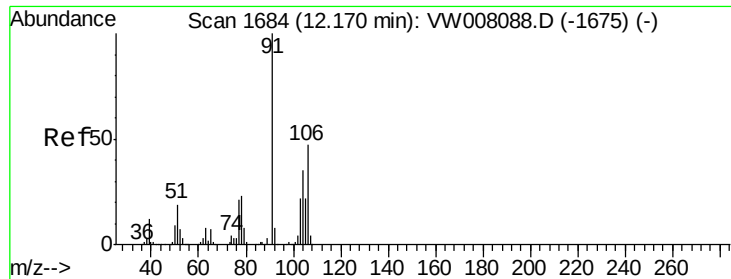
Tgt Ion: 91 Resp: 109155
Ion Ratio Lower Upper
91 100
106 33.1 24.2 36.4



#68
m/p-Xylenes
Concen: 39.788 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008169.D
Acq: 11 Jan 2019 02:00

Tgt Ion: 106 Resp: 84430
Ion Ratio Lower Upper
106 100
91 198.4 162.4 243.6

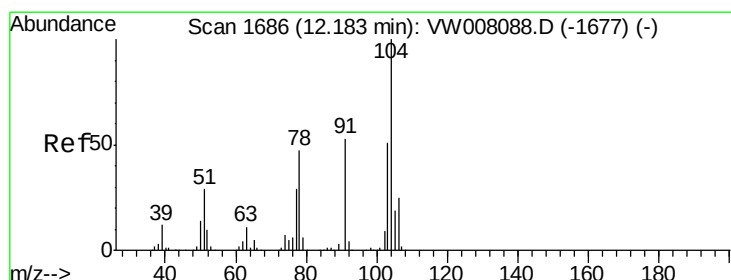
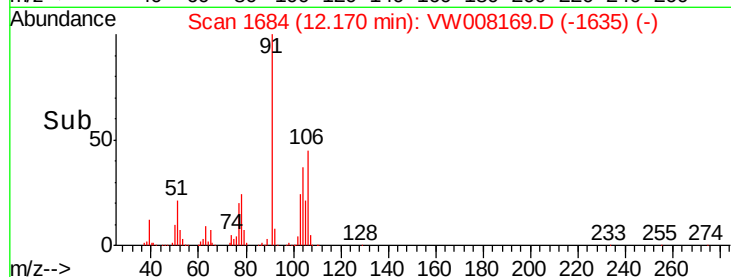
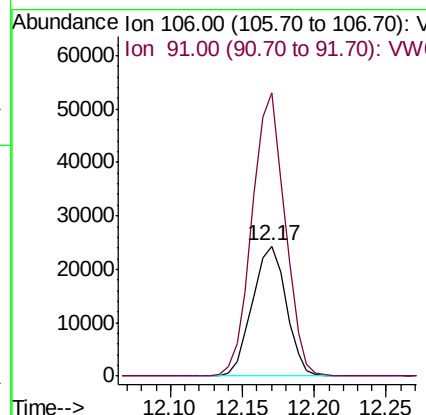
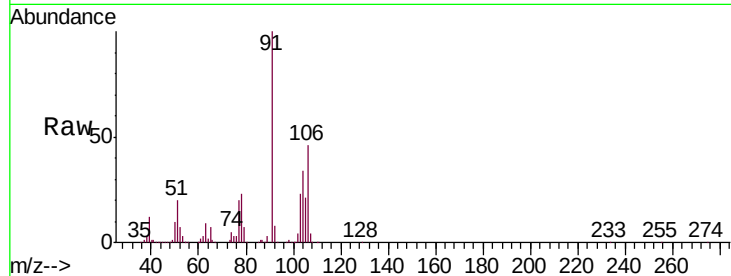




#69
o-Xylene
Concen: 20.151 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW008169.D
Acq: 11 Jan 2019 02:00

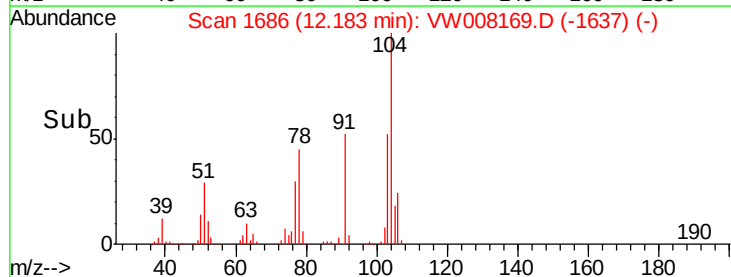
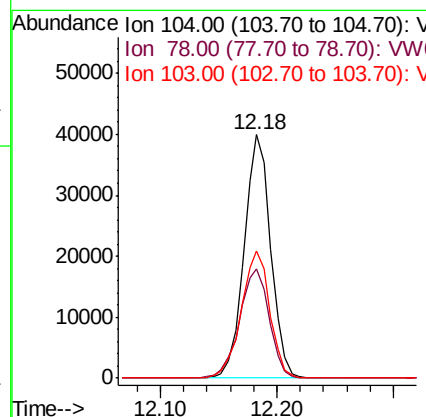
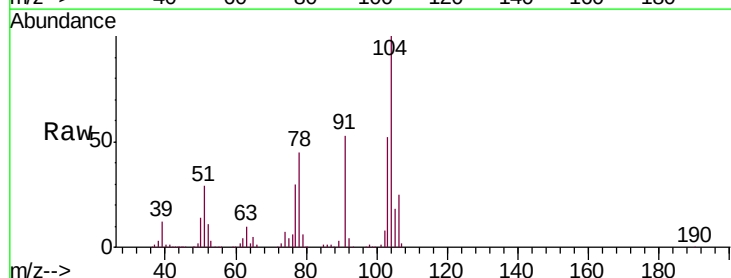
Instrument :
MSVOA_W
ClientSampleId :
VW0110SBSD02

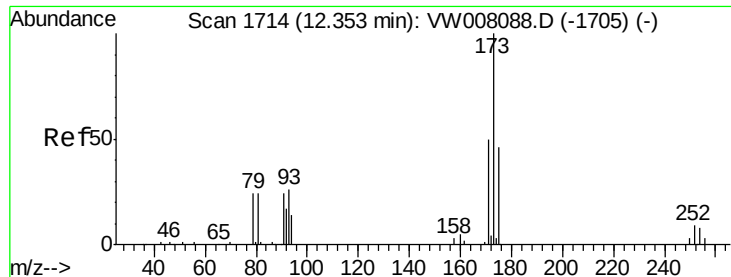
Tgt Ion:106 Resp: 39598
Ion Ratio Lower Upper
106 100
91 211.5 107.8 323.6



#70
Styrene
Concen: 20.585 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008169.D
Acq: 11 Jan 2019 02:00

Tgt Ion:104 Resp: 63359
Ion Ratio Lower Upper
104 100
78 50.3 41.8 62.8
103 56.4 43.8 65.8





#71

Bromoform

Concen: 22.948 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBSD02

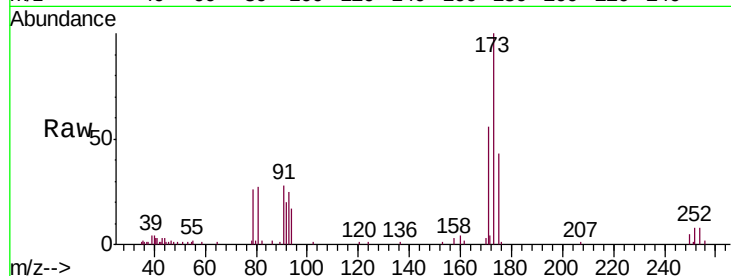
Tgt Ion:173 Resp: 10150

Ion Ratio Lower Upper

173 100

175 48.2 23.3 69.8

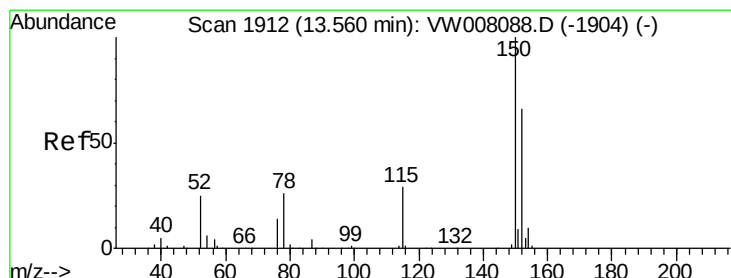
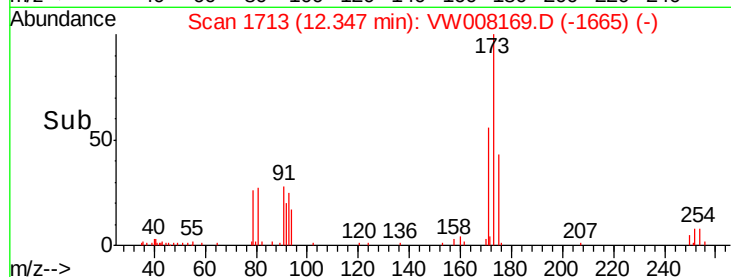
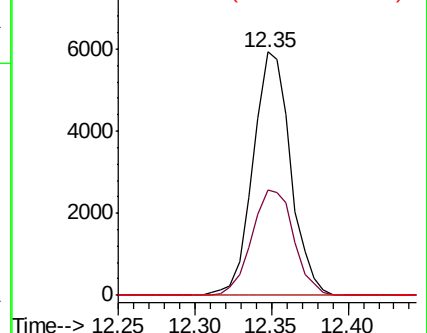
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

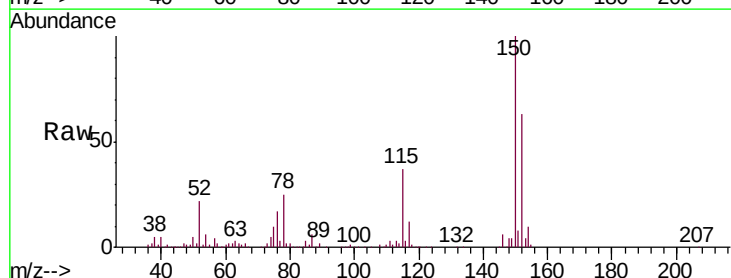
Tgt Ion:152 Resp: 69331

Ion Ratio Lower Upper

152 100

115 59.9 30.8 92.4

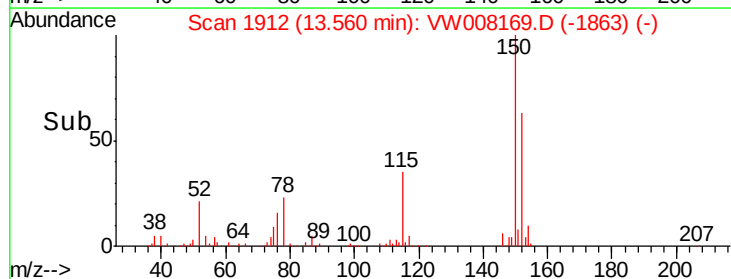
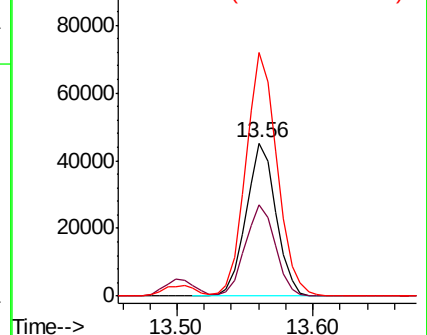
150 166.8 0.0 350.2

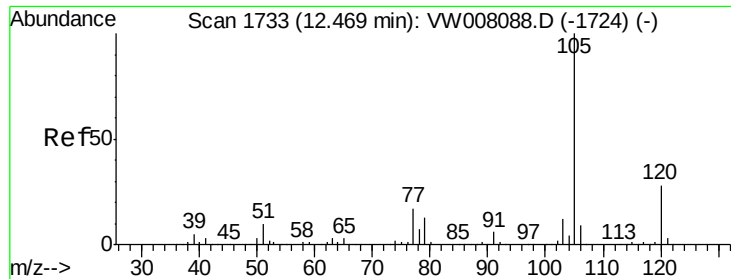


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.558 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

Instrument :

MSVOA_W

ClientSampleId :

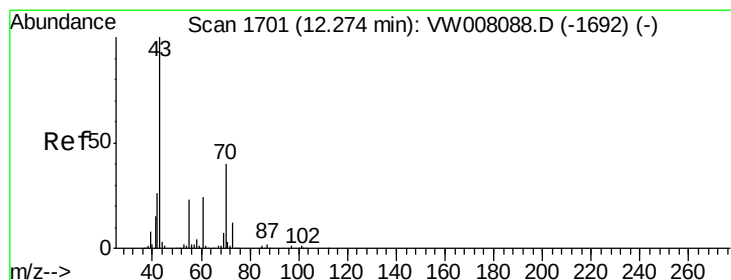
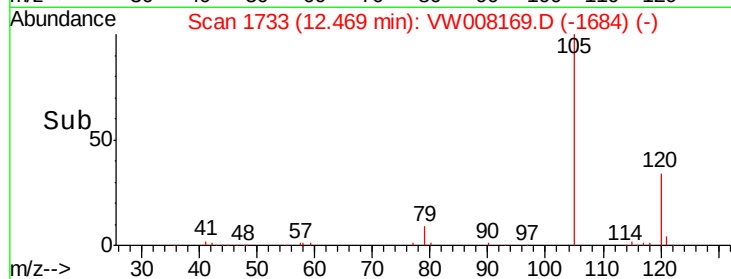
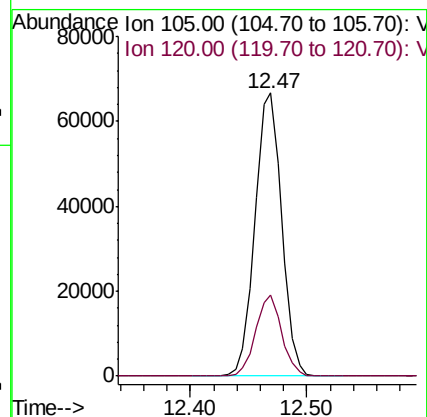
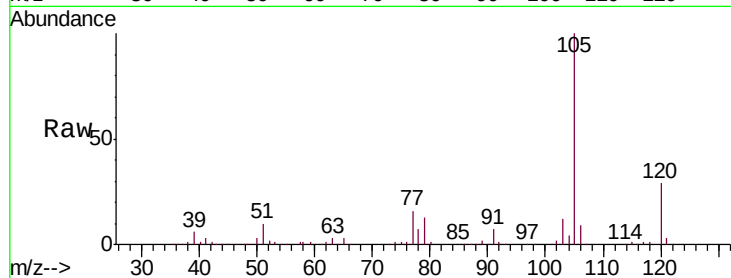
VW0110SBSD02

Tgt Ion: 105 Resp: 106459

Ion Ratio Lower Upper

105 100

120 27.9 13.6 40.8



#74

N-ethyl acetate

Concen: 22.219 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

Tgt Ion: 43 Resp: 26783

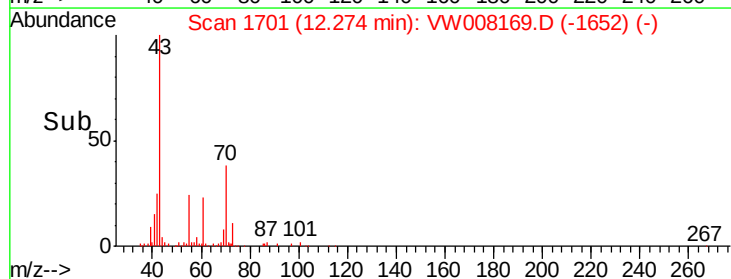
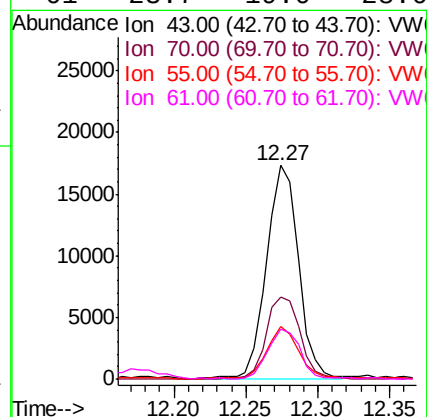
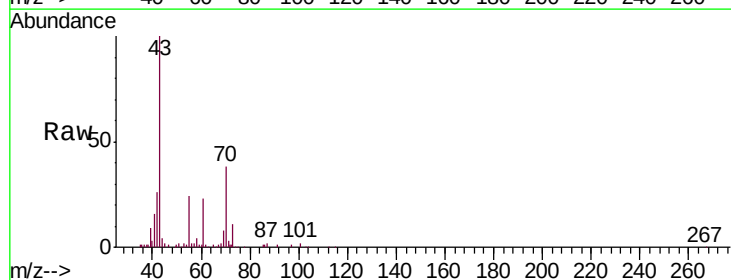
Ion Ratio Lower Upper

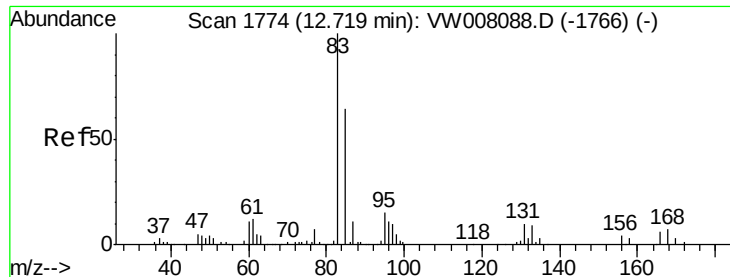
43 100

70 40.1 32.4 48.6

55 24.8 18.7 28.1

61 23.7 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 22.633 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBSD02

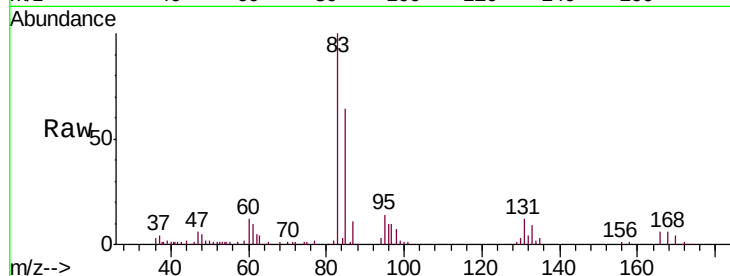
Tgt Ion: 83 Resp: 19719

Ion Ratio Lower Upper

83 100

131 11.4 5.3 16.1

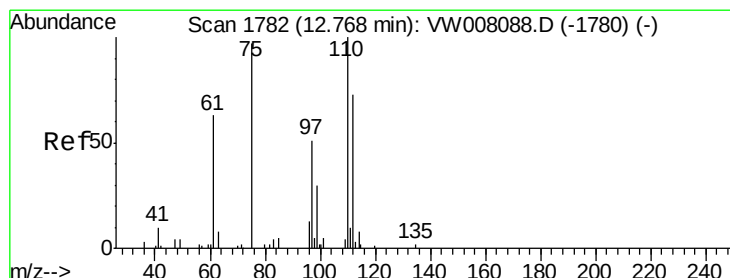
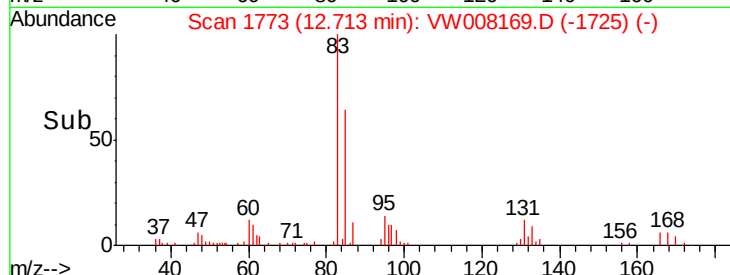
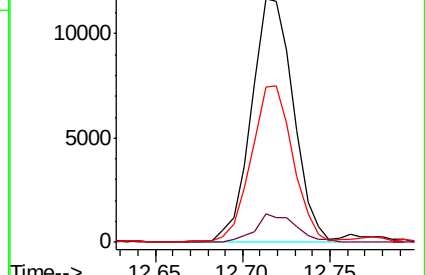
85 64.3 32.4 97.2



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: 41.650 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW008169.D

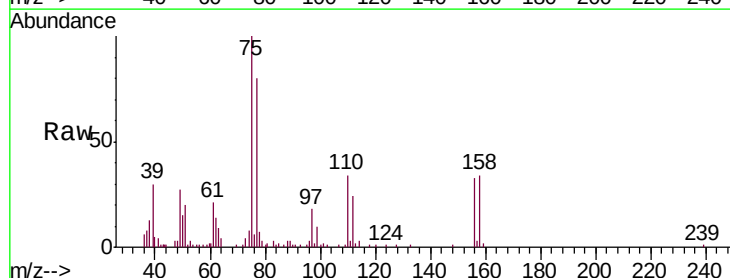
Acq: 11 Jan 2019 02:00

Tgt Ion: 75 Resp: 26324

Ion Ratio Lower Upper

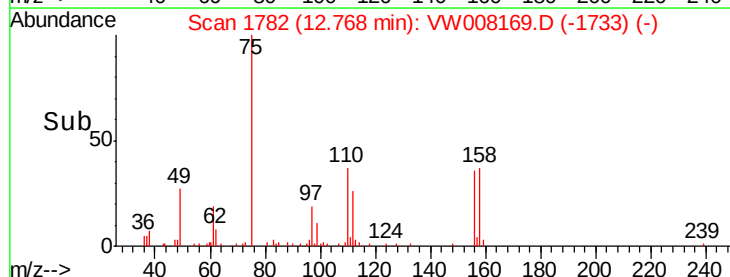
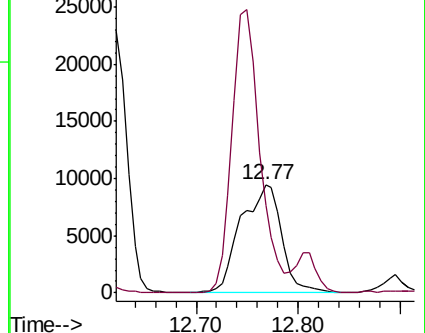
75 100

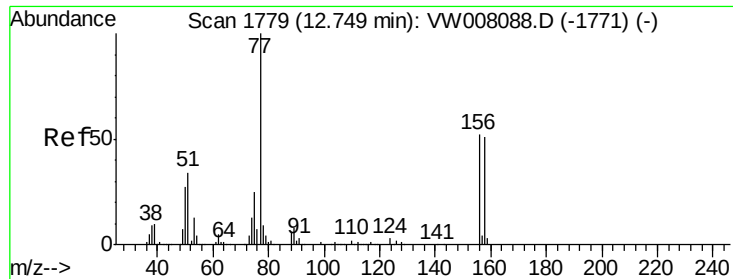
77 178.4 179.4 538.2#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.407 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBSD02

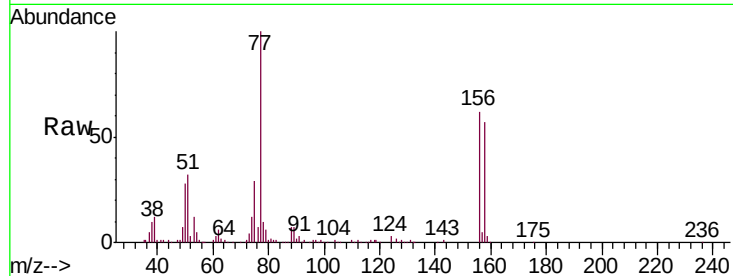
Tgt Ion:156 Resp: 23470

Ion Ratio Lower Upper

156 100

77 200.1 104.2 312.5

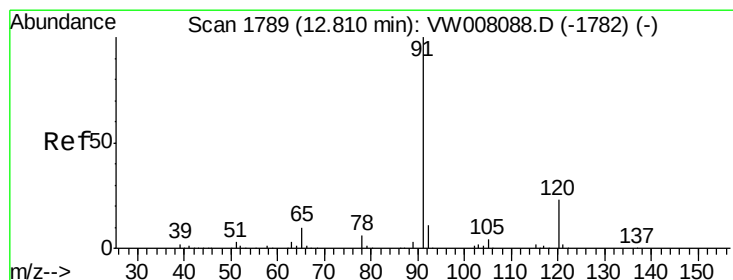
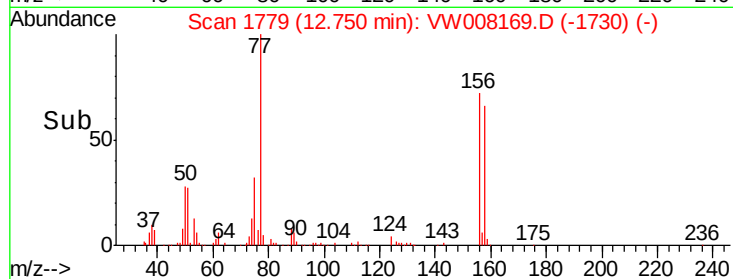
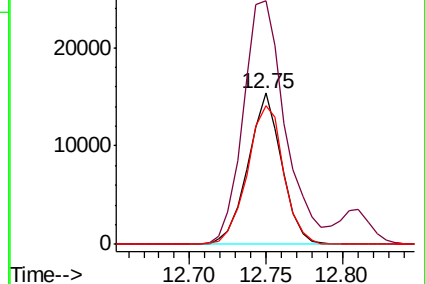
158 98.7 47.9 143.6



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: 19.571 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW008169.D

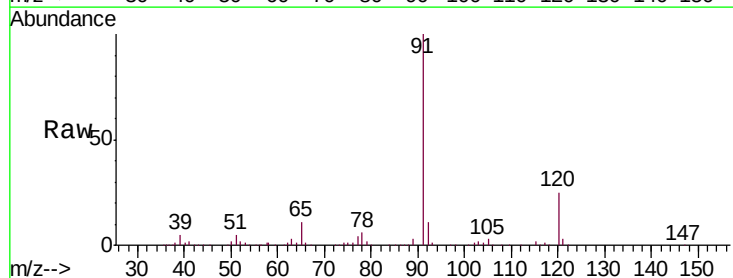
Acq: 11 Jan 2019 02:00

Tgt Ion: 91 Resp: 130526

Ion Ratio Lower Upper

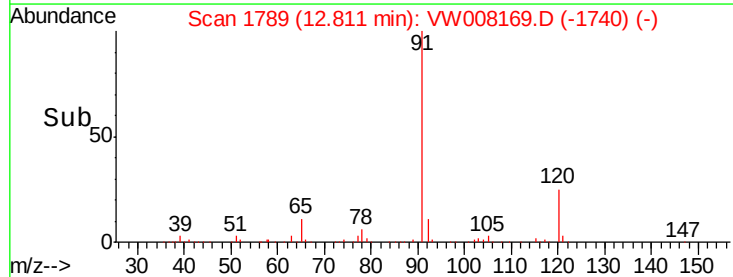
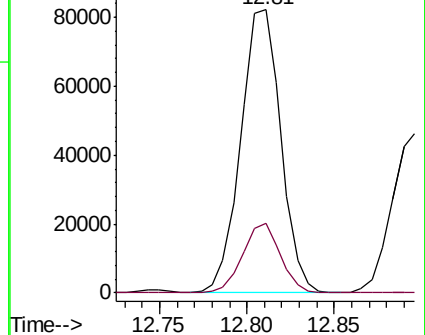
91 100

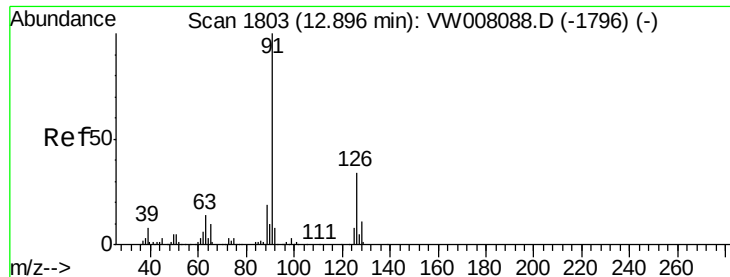
120 23.2 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.963 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

Instrument :

MSVOA_W

ClientSampleId :

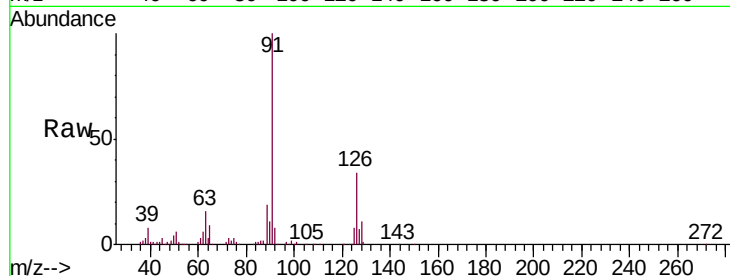
VW0110SBSD02

Tgt Ion: 91 Resp: 74281

Ion Ratio Lower Upper

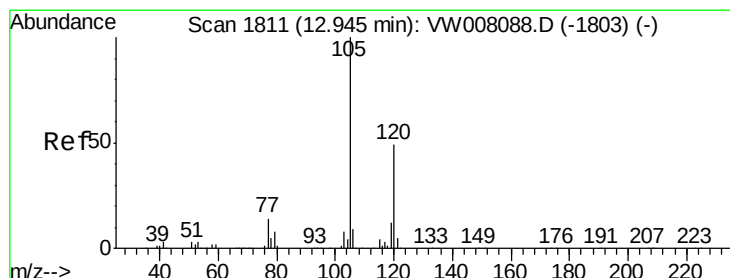
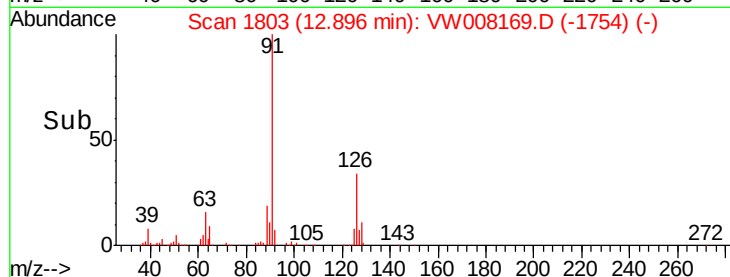
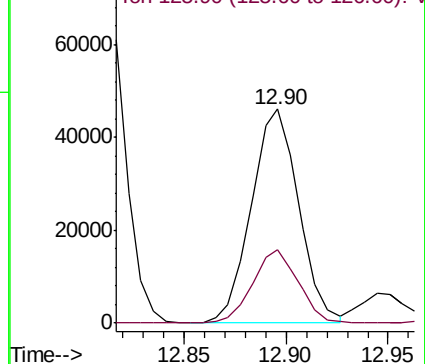
91 100

126 33.2 16.8 50.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.236 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008169.D

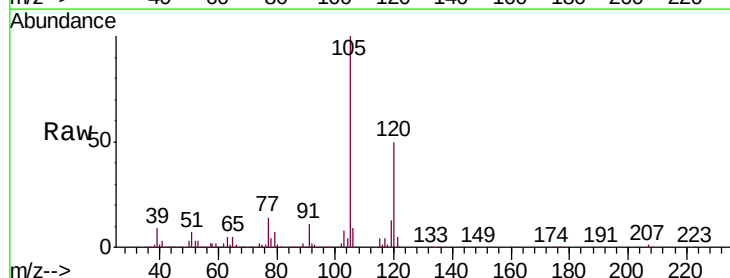
Acq: 11 Jan 2019 02:00

Tgt Ion: 105 Resp: 90514

Ion Ratio Lower Upper

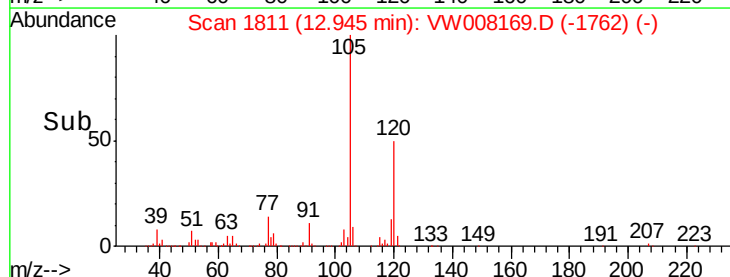
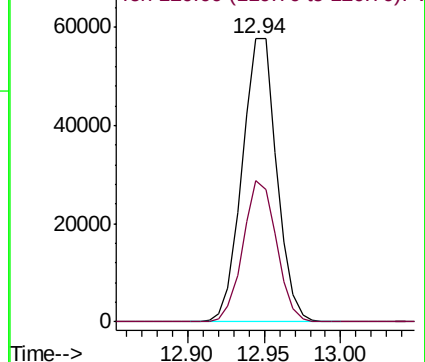
105 100

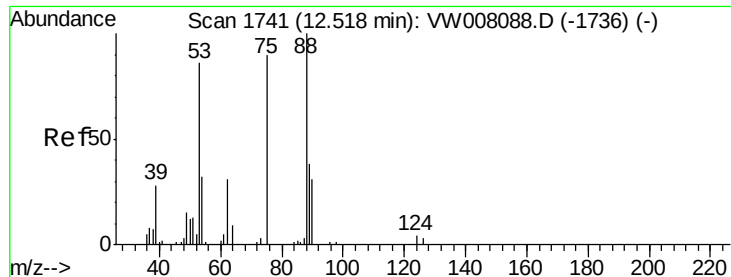
120 48.2 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.865 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBSD02

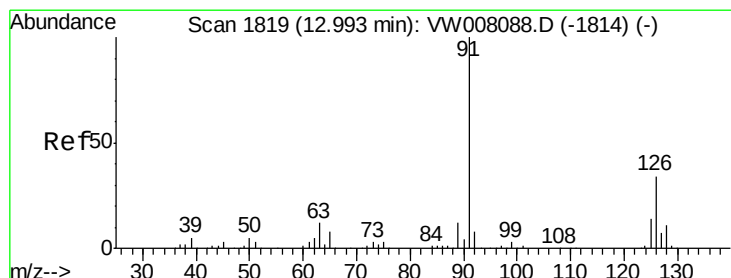
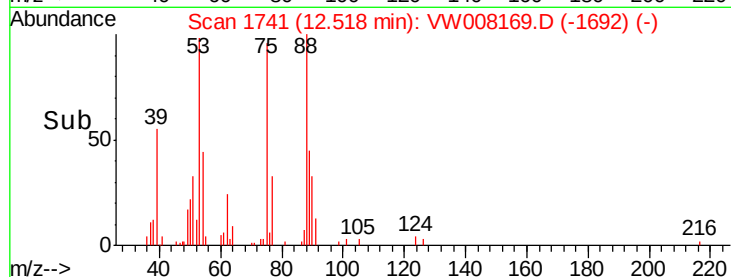
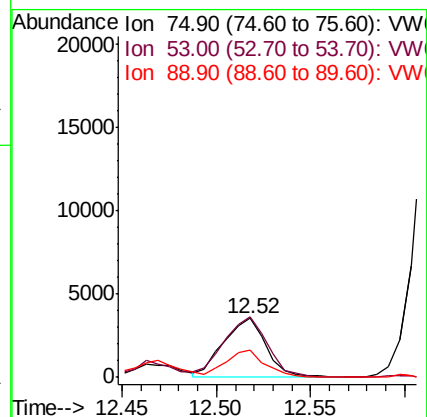
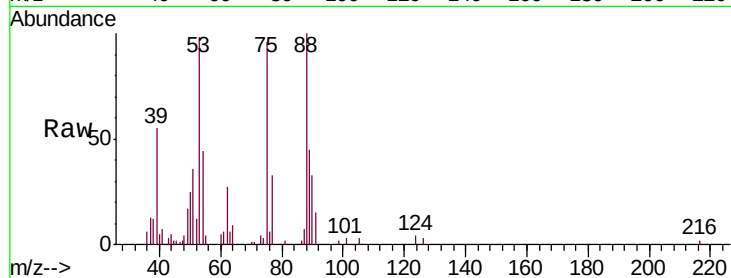
Tgt Ion: 75 Resp: 5663

Ion Ratio Lower Upper

75 100

53 103.4 78.8 118.2

89 41.7 35.4 53.2



#82

4-Chlorotoluene

Concen: 19.974 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW008169.D

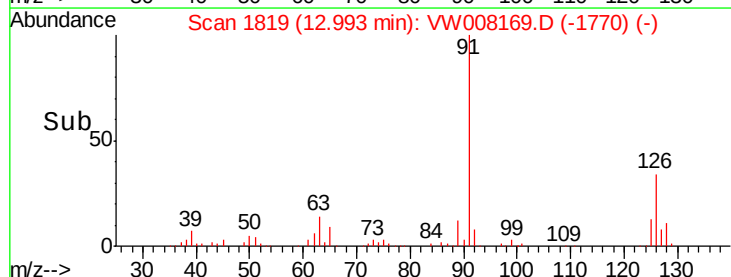
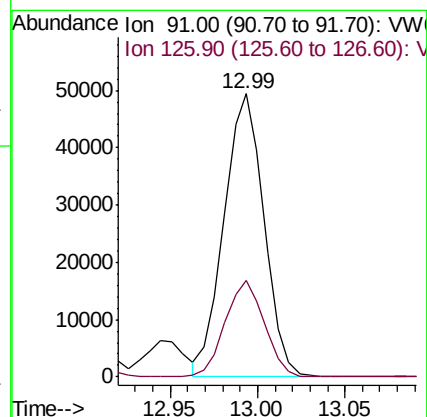
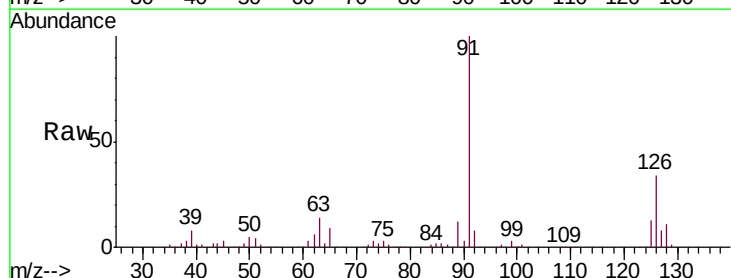
Acq: 11 Jan 2019 02:00

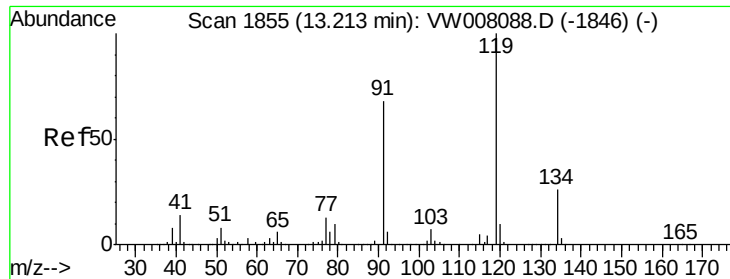
Tgt Ion: 91 Resp: 78275

Ion Ratio Lower Upper

91 100

126 33.5 16.5 49.5





#83

tert-Butylbenzene

Concen: 20.166 ug/l

RT: 13.21 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBSD02

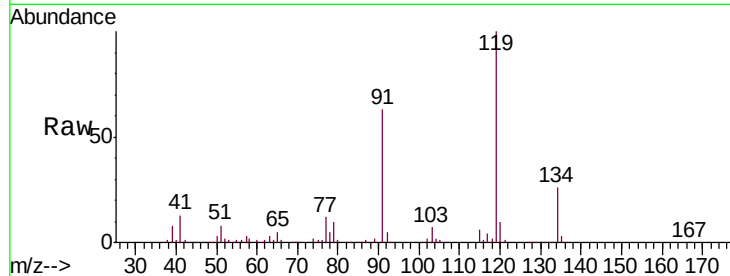
Tgt Ion:119 Resp: 79800

Ion Ratio Lower Upper

119 100

91 66.4 33.9 101.6

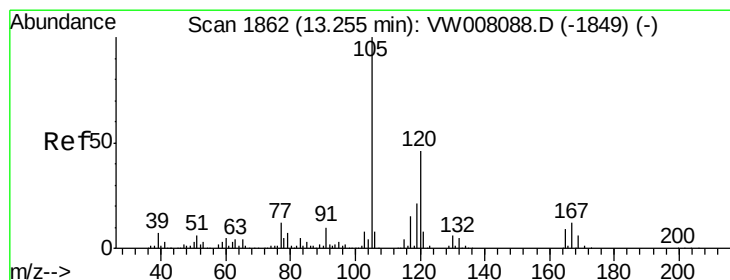
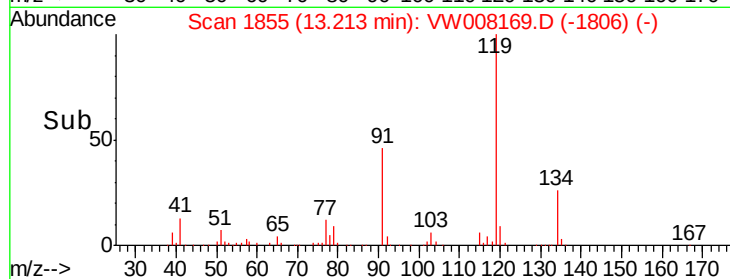
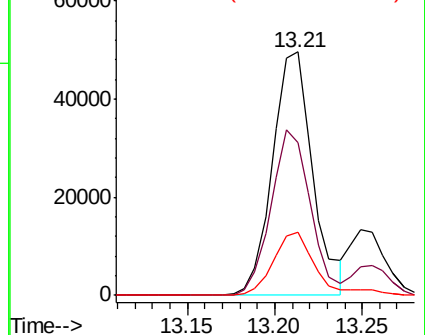
134 27.6 13.6 40.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VW

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.860 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW008169.D

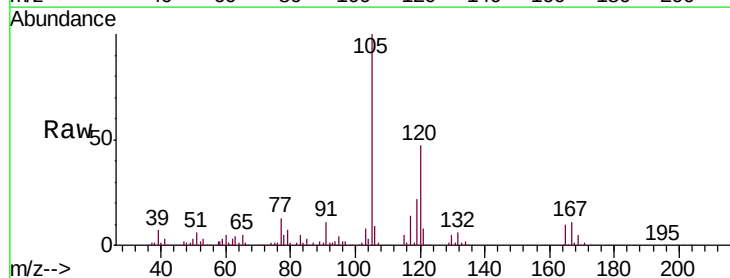
Acq: 11 Jan 2019 02:00

Tgt Ion:105 Resp: 91620

Ion Ratio Lower Upper

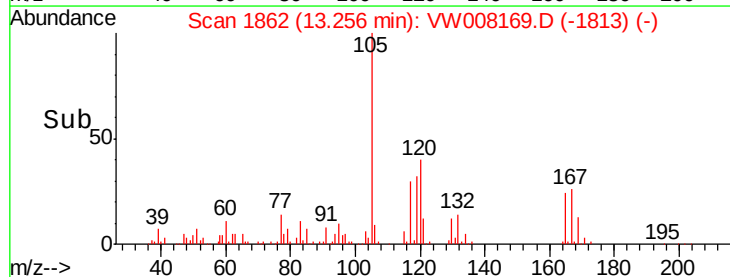
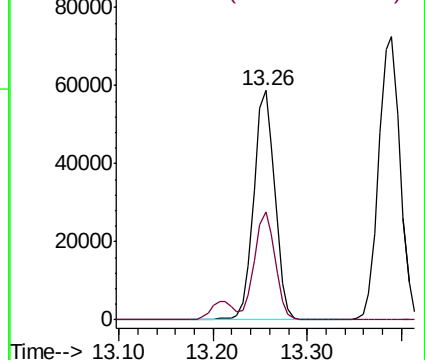
105 100

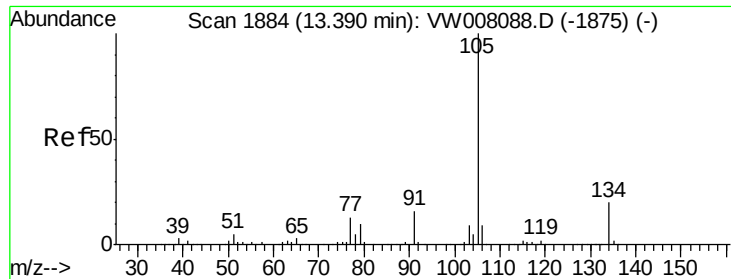
120 46.4 22.7 68.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.676 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

Instrument :

MSVOA_W

ClientSampleId :

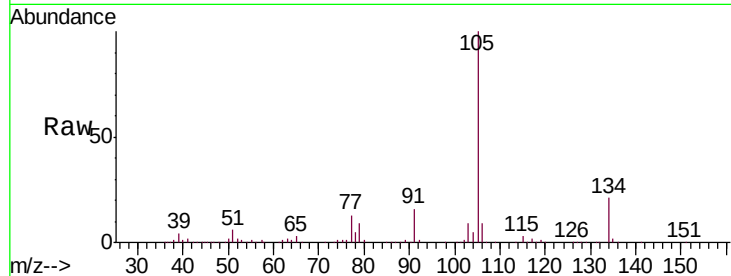
VW0110SBSD02

Tgt Ion:105 Resp: 114057

Ion Ratio Lower Upper

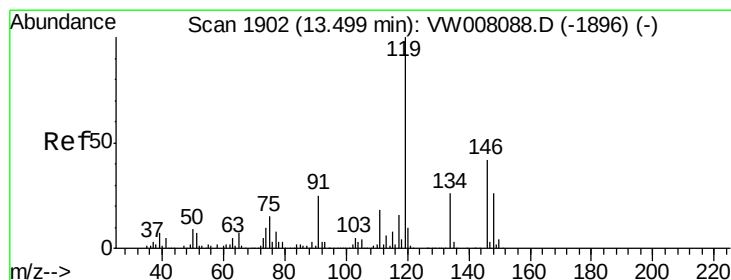
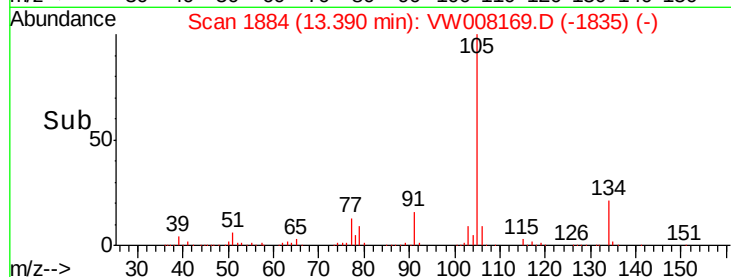
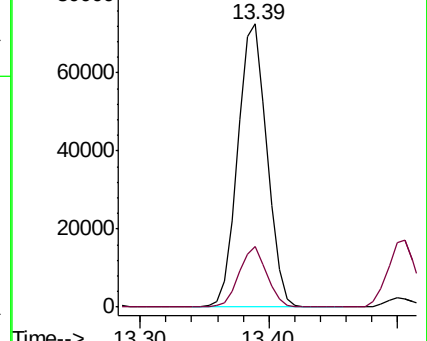
105 100

134 20.3 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.689 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

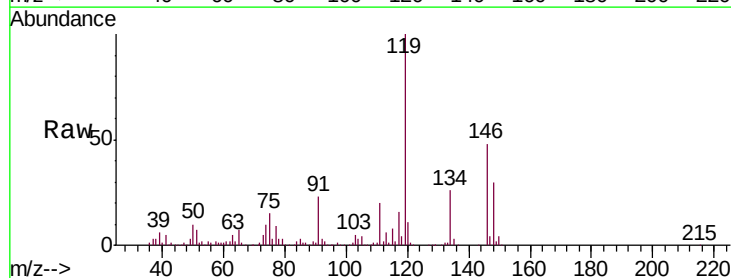
Tgt Ion:119 Resp: 98557

Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.8

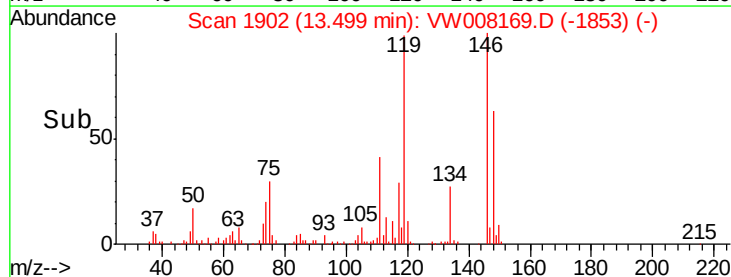
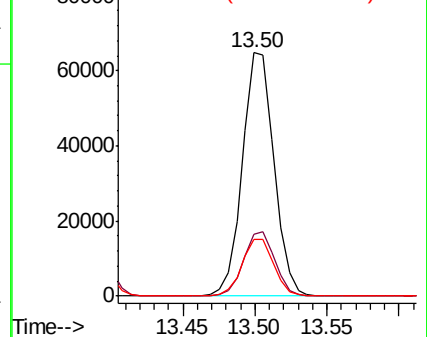
91 23.7 12.3 36.9

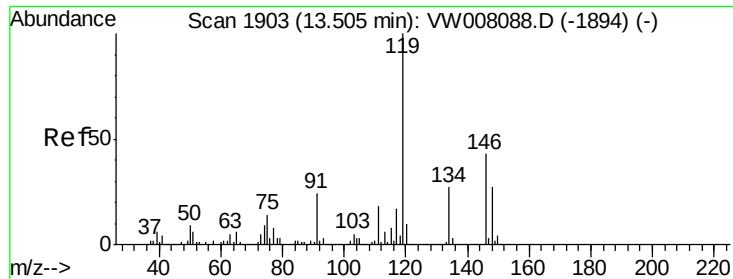


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.897 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

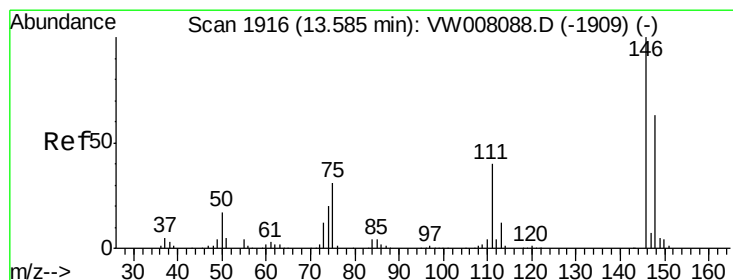
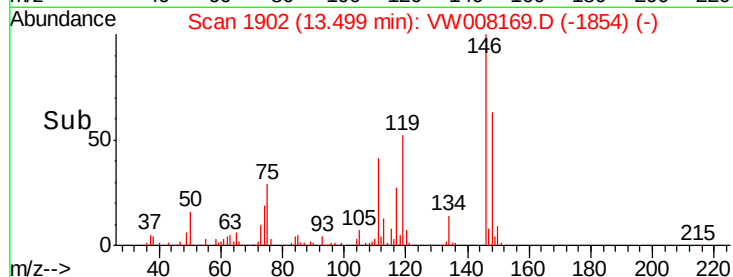
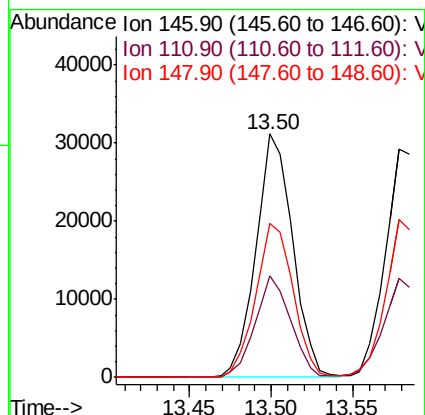
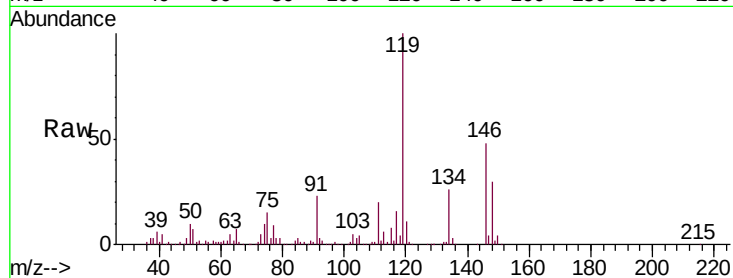
Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBSD02

Tgt Ion:146 Resp: 48754

Ion	Ratio	Lower	Upper
146	100		
111	40.4	21.1	63.1
148	64.6	31.3	93.9



#88

1,4-Dichlorobenzene

Concen: 20.490 ug/l

RT: 13.58 min Scan# 1915

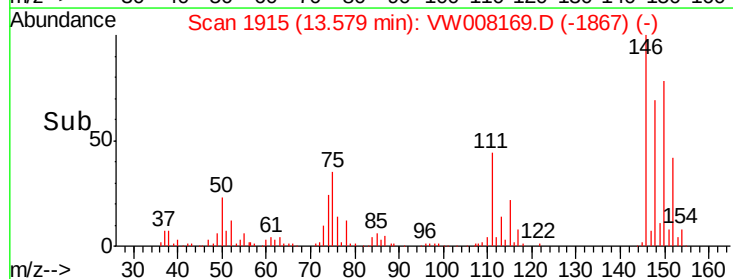
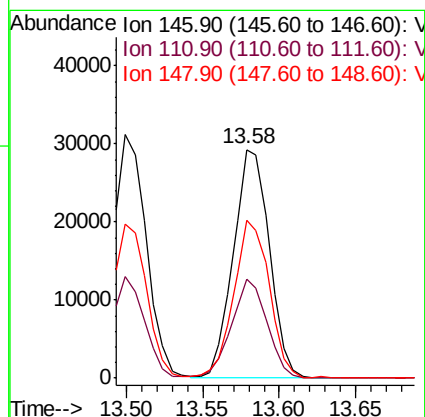
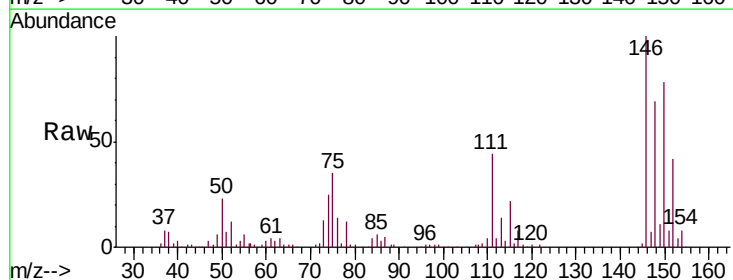
Delta R.T. -0.01 min

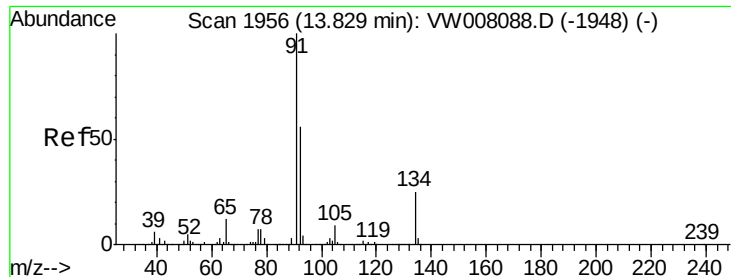
Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

Tgt Ion:146 Resp: 47962

Ion	Ratio	Lower	Upper
146	100		
111	42.7	20.5	61.5
148	68.0	31.6	94.8





#89

n-Butylbenzene

Concen: 19.281 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBSD02

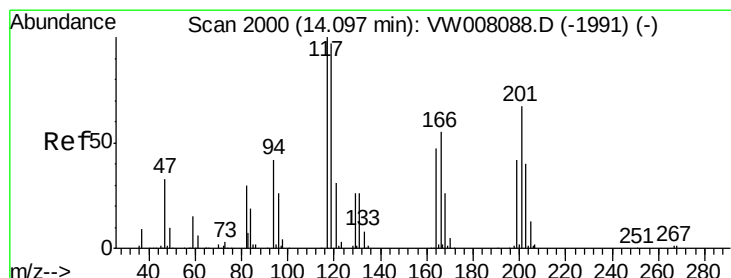
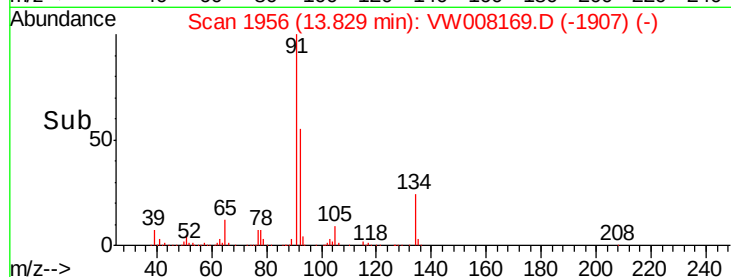
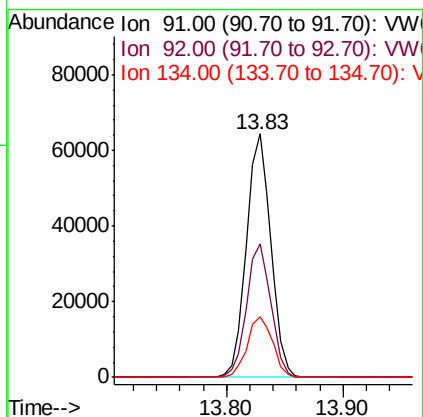
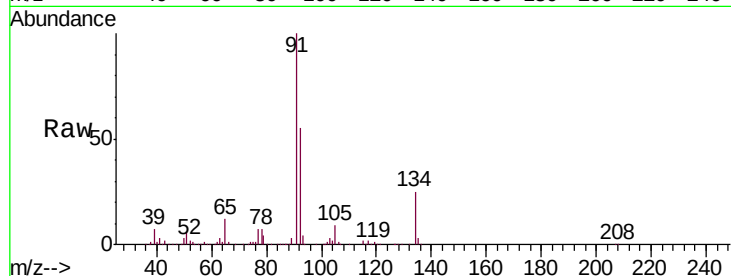
Tgt Ion: 91 Resp: 94529

Ion Ratio Lower Upper

91 100

92 54.4 27.4 82.2

134 25.7 12.6 37.8



#90

Hexachloroethane

Concen: 20.934 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW008169.D

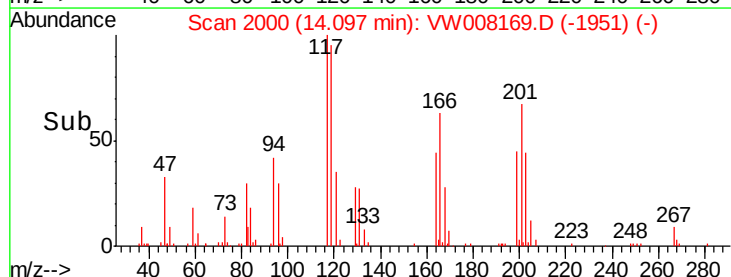
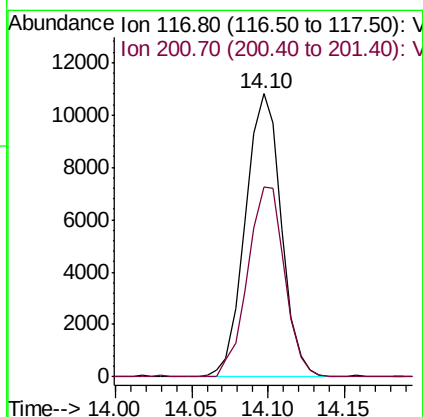
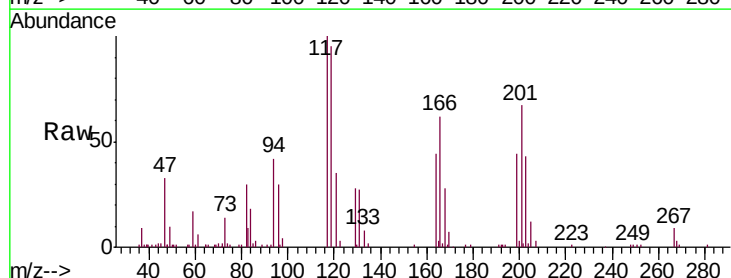
Acq: 11 Jan 2019 02:00

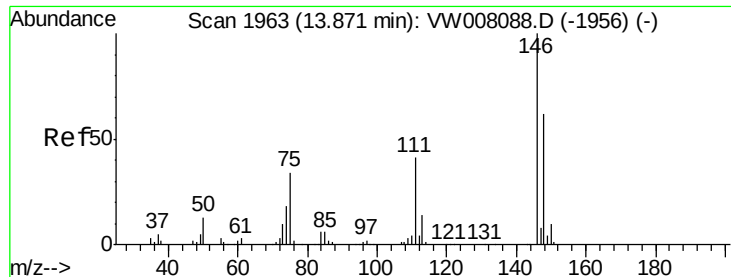
Tgt Ion: 117 Resp: 17699

Ion Ratio Lower Upper

117 100

201 68.9 33.0 98.9

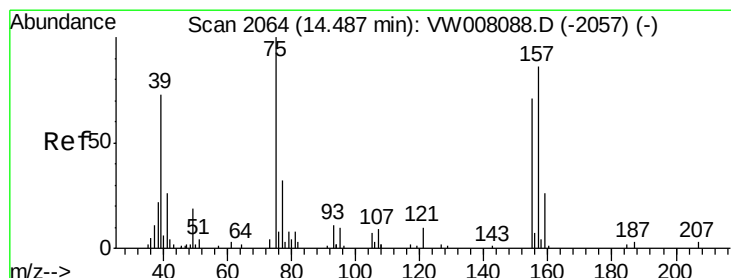
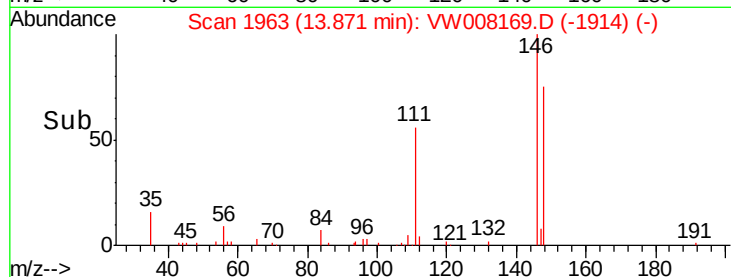
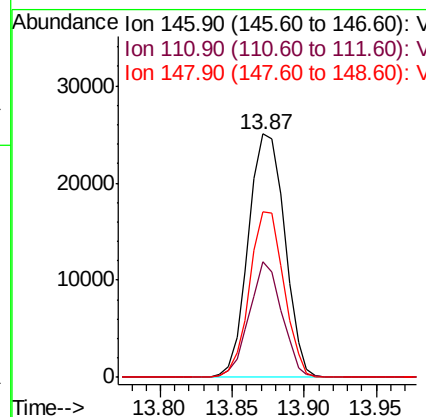
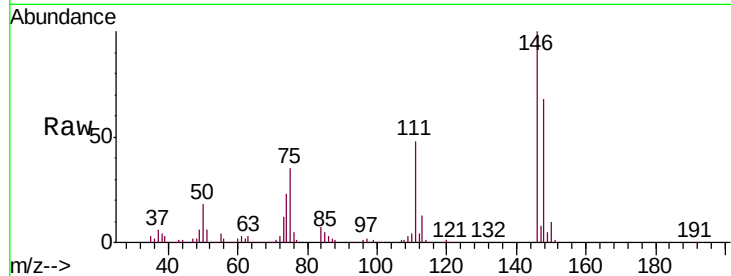




#91
 1,2-Dichlorobenzene
 Concen: 21.352 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW008169.D
 Acq: 11 Jan 2019 02:00

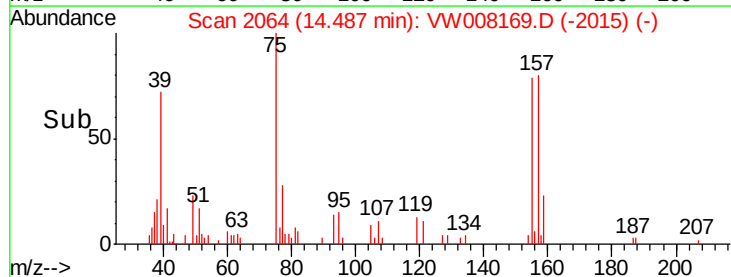
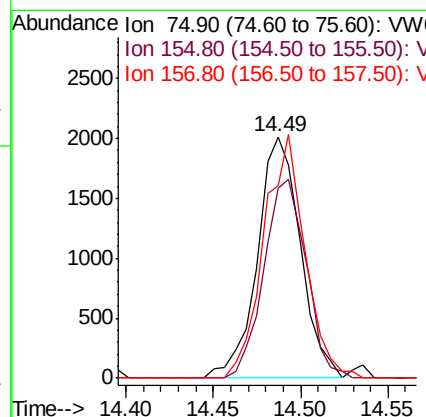
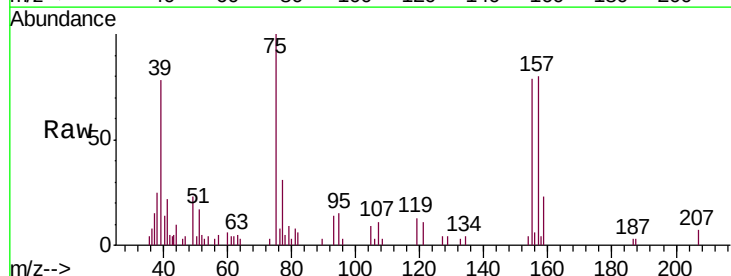
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0110SBSD02

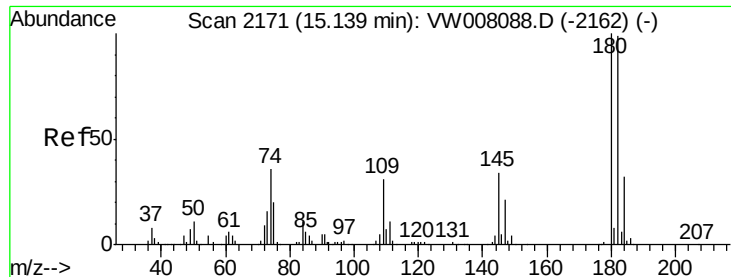
Tgt Ion: 146 Resp: 43781
 Ion Ratio Lower Upper
 146 100
 111 42.6 21.3 63.7
 148 64.2 31.5 94.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.570 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW008169.D
 Acq: 11 Jan 2019 02:00

Tgt Ion: 75 Resp: 3445
 Ion Ratio Lower Upper
 75 100
 155 80.9 38.6 115.7
 157 96.0 47.5 142.6

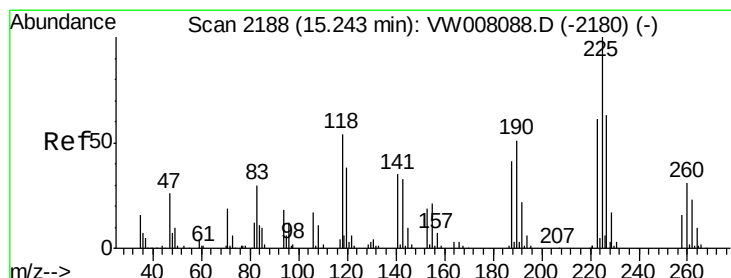
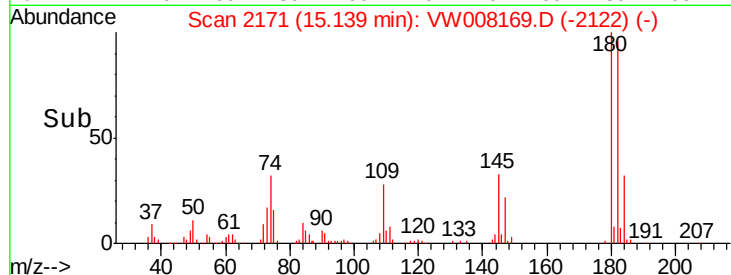
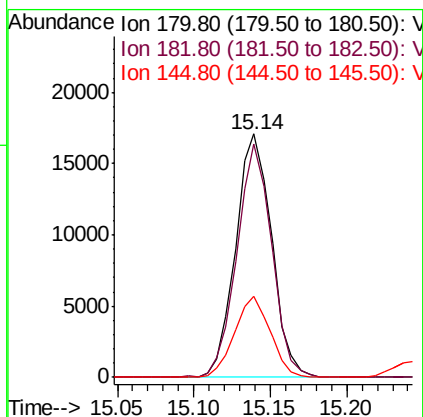
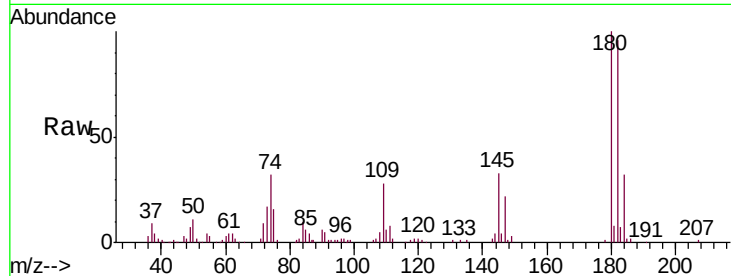




#93
 1,2,4-Trichlorobenzene
 Concen: 20.488 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008169.D
 Acq: 11 Jan 2019 02:00

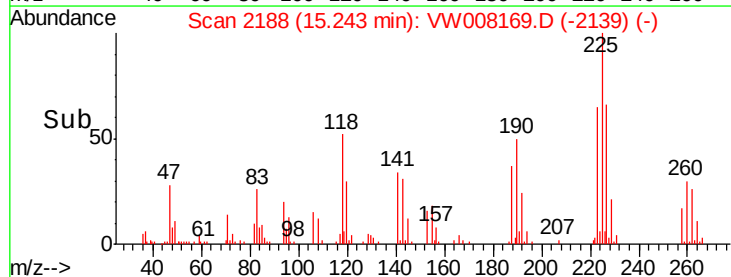
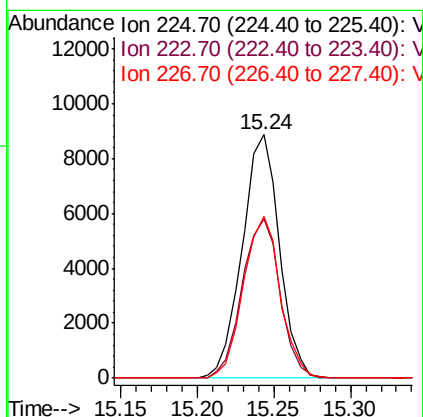
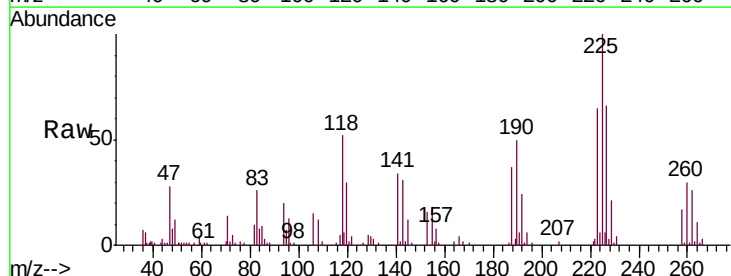
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0110SBSD02

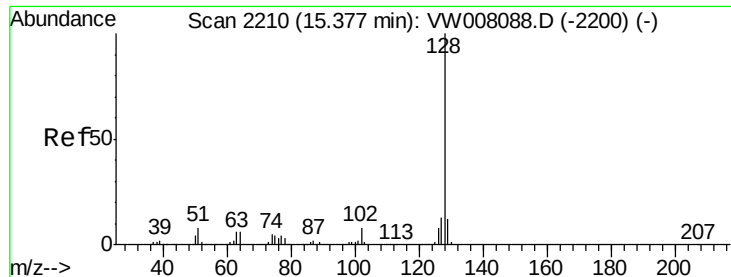
Tgt Ion:180 Resp: 27891
 Ion Ratio Lower Upper
 180 100
 182 92.8 48.6 145.9
 145 33.1 16.6 49.7



#94
 Hexachlorobutadiene
 Concen: 20.561 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008169.D
 Acq: 11 Jan 2019 02:00

Tgt Ion:225 Resp: 14981
 Ion Ratio Lower Upper
 225 100
 223 66.3 31.4 94.3
 227 65.6 32.0 96.2

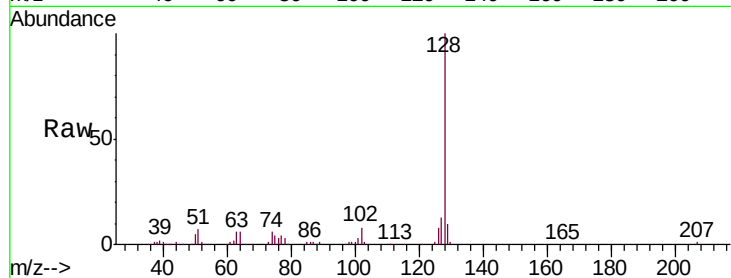




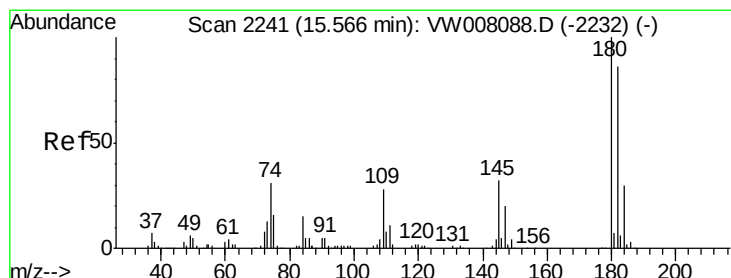
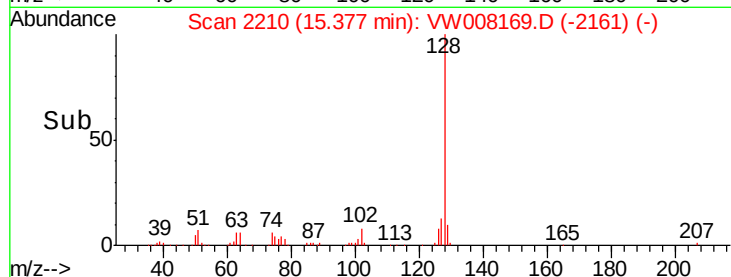
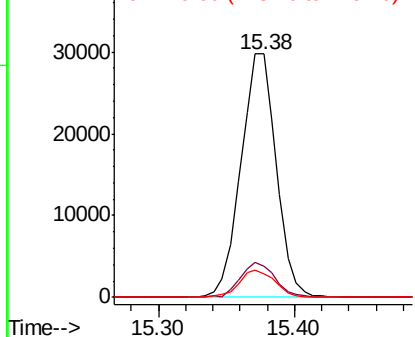
#95
Naphthalene
Concen: 21.274 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW008169.D
Acq: 11 Jan 2019 02:00

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBSD02

Tgt Ion:128 Resp: 54076
Ion Ratio Lower Upper
128 100
127 14.1 11.0 16.4
129 11.3 9.0 13.6

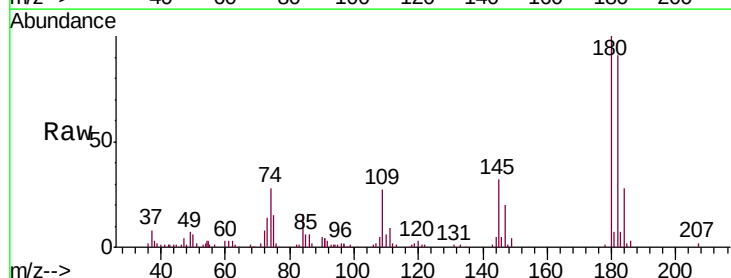


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 21.270 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW008169.D
Acq: 11 Jan 2019 02:00

Tgt Ion:180 Resp: 24683
Ion Ratio Lower Upper
180 100
182 96.2 46.5 139.3
145 32.6 17.4 52.2



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

