

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011619\
 Data File : VW008302.D
 Acq On : 16 Jan 2019 12:28
 Operator : SY/VA
 Sample : VW0116SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0116SBS01

Quant Time: Jan 17 05:01:07 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	90762	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	154694	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	143673	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	73017	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	47162	46.23	ug/l	0.00
Spiked Amount			Recovery	=	92.46%	
35) Dibromofluoromethane	7.88	113	47359	52.49	ug/l	0.00
Spiked Amount			Recovery	=	104.98%	
50) Toluene-d8	10.32	98	200927	53.07	ug/l	0.00
Spiked Amount			Recovery	=	106.14%	
62) 4-Bromofluorobenzene	12.62	95	71265	52.50	ug/l	0.00
Spiked Amount			Recovery	=	105.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	12383	16.717	ug/l	97
3) Chloromethane	2.21	50	19043	19.816	ug/l	97
4) Vinyl Chloride	2.36	62	26283	20.955	ug/l	100
5) Bromomethane	2.78	94	18694	19.896	ug/l	98
6) Chloroethane	2.92	64	17899	18.965	ug/l	96
7) Trichlorofluoromethane	3.25	101	18586	18.227	ug/l	94
8) Diethyl Ether	3.67	74	11966	20.758	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	20268	20.020	ug/l	95
10) Methyl Iodide	4.26	142	28286	19.171	ug/l	98
11) Tert butyl alcohol	5.18	59	6448	85.257	ug/l #	100
12) 1,1-Dichloroethene	4.03	96	20813	20.940	ug/l	92
13) Acrolein	3.89	56	4554	65.955	ug/l	95
14) Allyl chloride	4.65	41	34845	19.309	ug/l	98
15) Acrylonitrile	5.36	53	21854	99.580	ug/l	96
16) Acetone	4.12	43	21318	103.903	ug/l	97
17) Carbon Disulfide	4.37	76	58896	18.968	ug/l	96
18) Methyl Acetate	4.67	43	11215	17.395	ug/l	92
19) Methyl tert-butyl Ether	5.42	73	28280	17.501	ug/l	94
20) Methylene Chloride	4.90	84	23821	20.922	ug/l	88
21) trans-1,2-Dichloroethene	5.41	96	22721	21.035	ug/l	88
22) Diisopropyl ether	6.31	45	67413	19.587	ug/l	98
23) Vinyl Acetate	6.25	43	168994	93.492	ug/l	97
24) 1,1-Dichloroethane	6.21	63	41499	20.694	ug/l	98
25) 2-Butanone	7.17	43	28380	99.993	ug/l	94
26) 2,2-Dichloropropane	7.16	77	27555	20.280	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	25335	21.498	ug/l	95
28) Bromochloromethane	7.50	49	16789	21.167	ug/l	98
29) Tetrahydrofuran	7.53	42	17466	92.126	ug/l	97
30) Chloroform	7.67	83	43332	22.701	ug/l	95
31) Cyclohexane	7.95	56	40463	18.848	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	35382	21.303	ug/l	99
36) 1,1-Dichloropropene	8.07	75	34399	21.587	ug/l	99
37) Ethyl Acetate	7.25	43	11492	18.001	ug/l	97
38) Carbon Tetrachloride	8.06	117	33316	22.843	ug/l	99

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 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0116SBS01

Quant Time: Jan 17 05:01:07 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)
39) Methylcyclohexane	9.33	83	41348	20.464	ug/l	90
40) Benzene	8.32	78	95964	22.203	ug/l	98
41) Methacrylonitrile	7.48	41	6145	15.238	ug/l #	87
42) 1,2-Dichloroethane	8.40	62	25727	21.164	ug/l	99
43) Isopropyl Acetate	8.42	43	22921	17.957	ug/l	96
44) Trichloroethene	9.09	130	25377	22.937	ug/l	90
45) 1,2-Dichloropropane	9.37	63	23789	22.198	ug/l	95
46) Dibromomethane	9.46	93	11033	20.963	ug/l	97
47) Bromodichloromethane	9.64	83	29918	22.387	ug/l #	99
48) Methyl methacrylate	9.43	41	11157	18.524	ug/l	92
49) 1,4-Dioxane	9.45	88	2980	352.080	ug/l #	90
51) 4-Methyl-2-Pentanone	10.21	43	57453	92.987	ug/l	100
52) Toluene	10.38	92	61423	22.253	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	29324	21.095	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	35149	21.323	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	16683	22.577	ug/l	95
56) Ethyl methacrylate	10.65	69	17788	19.438	ug/l	97
57) 1,3-Dichloropropane	10.93	76	29376	21.737	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	44418	93.967	ug/l	98
59) 2-Hexanone	10.97	43	41449	99.202	ug/l	98
60) Dibromochloromethane	11.13	129	18440	22.725	ug/l	98
61) 1,2-Dibromoethane	11.24	107	15434	22.012	ug/l	97
64) Tetrachloroethene	10.86	164	20523	21.949	ug/l	93
65) Chlorobenzene	11.66	112	66930	21.989	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	22350	22.575	ug/l	99
67) Ethyl Benzene	11.73	91	118868	21.343	ug/l	99
68) m/p-Xylenes	11.84	106	92046	43.300	ug/l	99
69) o-Xylene	12.17	106	42299	21.488	ug/l	99
70) Styrene	12.18	104	68156	22.104	ug/l	97
71) Bromoform	12.35	173	9860	22.253	ug/l #	94
73) Isopropylbenzene	12.47	105	118320	20.640	ug/l	100
74) N-amyl acetate	12.27	43	21988	17.320	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.72	83	18538	20.203	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	23616	35.479	ug/l #	1
77) Bromobenzene	12.75	156	26130	21.572	ug/l	90
78) n-propylbenzene	12.81	91	147390	20.984	ug/l	99
79) 2-Chlorotoluene	12.90	91	82040	20.935	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	101160	21.474	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	5248	18.360	ug/l	96
82) 4-Chlorotoluene	12.99	91	86944	21.066	ug/l	97
83) tert-Butylbenzene	13.21	119	86492	20.754	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	103240	21.249	ug/l	99
85) sec-Butylbenzene	13.39	105	129471	21.208	ug/l	98
86) p-Isopropyltoluene	13.50	119	112243	21.291	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	54933	22.357	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	52888	21.454	ug/l	98
89) n-Butylbenzene	13.83	91	107416	20.804	ug/l	99
90) Hexachloroethane	14.10	117	20519	23.044	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	47014	21.772	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2945	19.944	ug/l	94

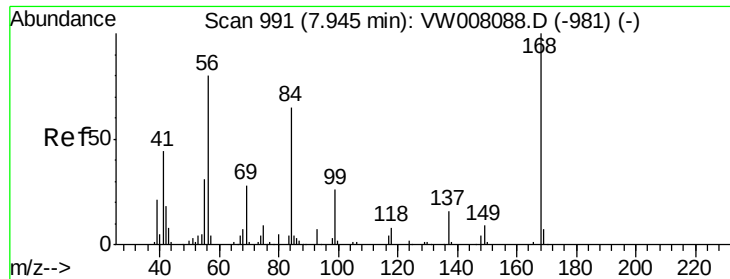
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW011619\
Data File : VW008302.D
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 04:40:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	30419	21.217	ug/l	96
94) Hexachlorobutadiene	15.24	225	17052	22.222	ug/l	97
95) Naphthalene	15.37	128	48415	18.086	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	24668	20.184	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008302.D

Acq: 16 Jan 2019 12:28

Instrument :

MSVOA_W

ClientSampleId :

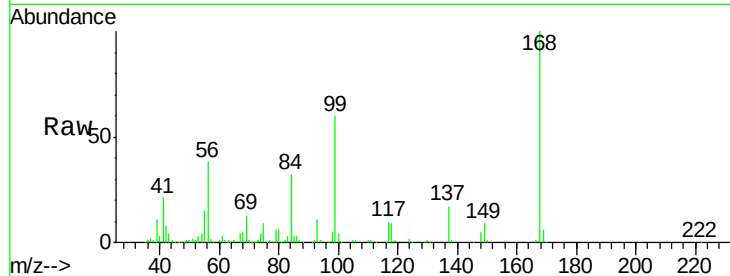
VW0116SBS01

Tot Ion:168 Resp: 90762

Ion Ratio Lower Upper

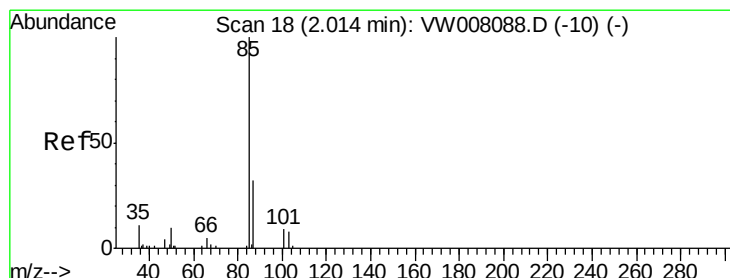
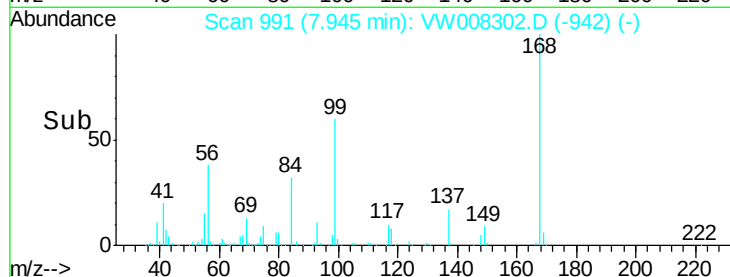
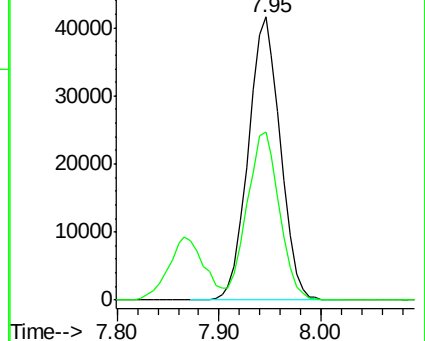
168 100

99 59.6 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: 16.717 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW008302.D

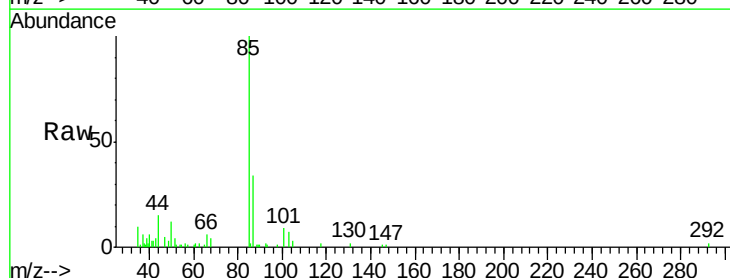
Acq: 16 Jan 2019 12:28

Tgt Ion: 85 Resp: 12383

Ion Ratio Lower Upper

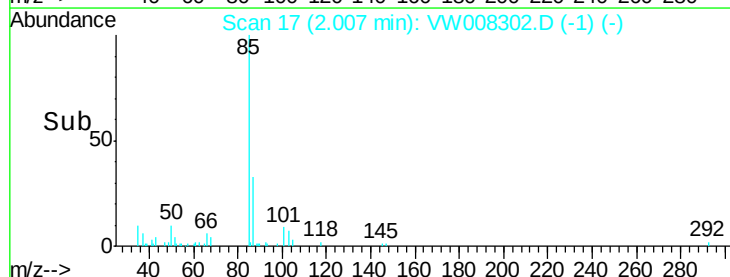
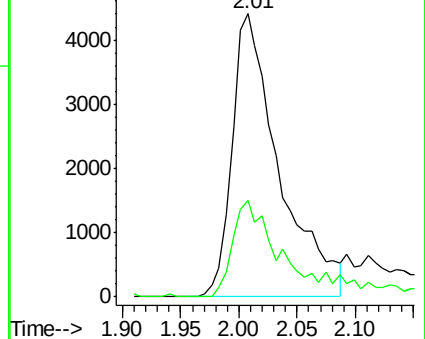
85 100

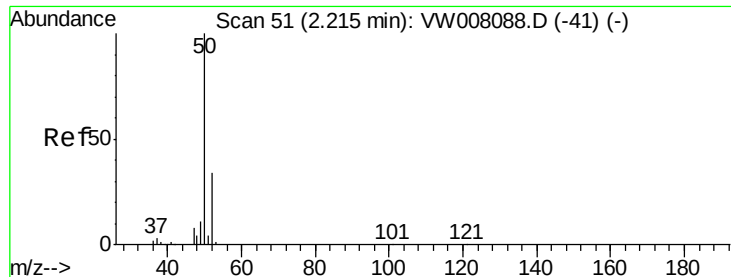
87 34.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 19.816 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW008302.D

Acq: 16 Jan 2019 12:28

Instrument :

MSVOA_W

ClientSampleId :

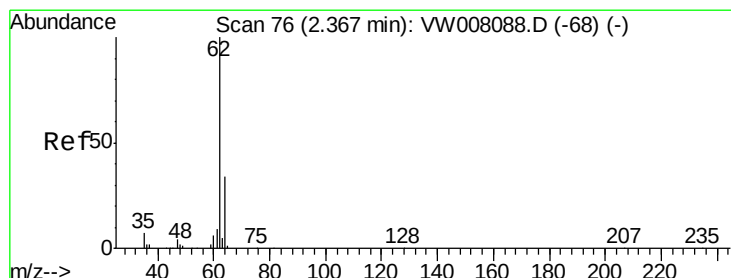
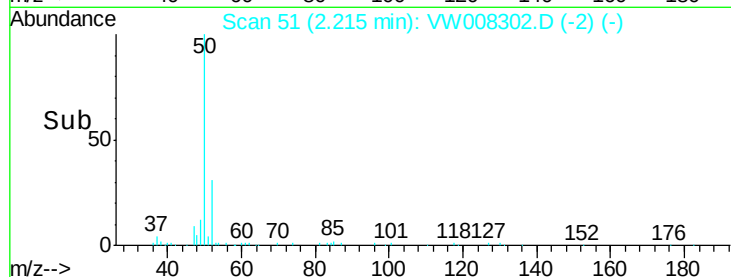
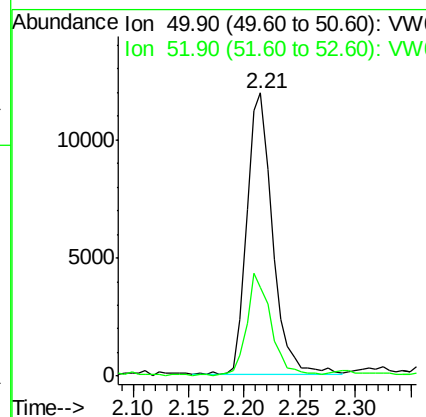
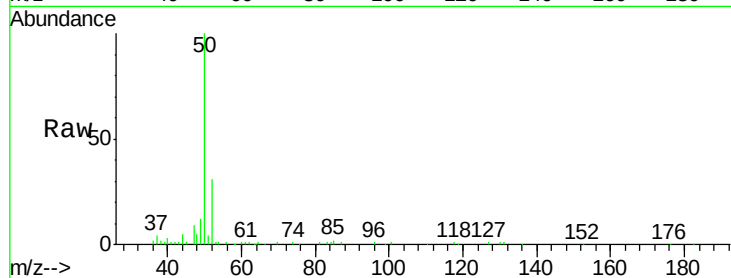
VW0116SBS01

Tot Ion: 50 Resp: 19043

Ion Ratio Lower Upper

50 100

52 31.7 26.8 40.2



#4

Vinyl Chloride

Concen: 20.955 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW008302.D

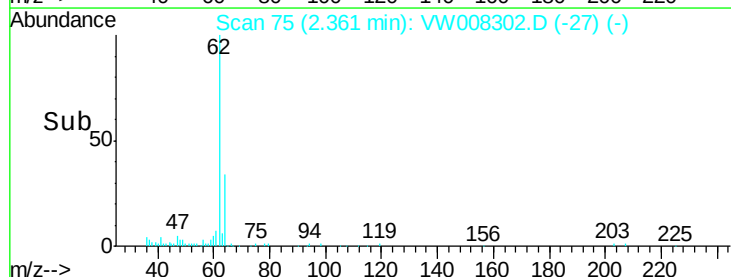
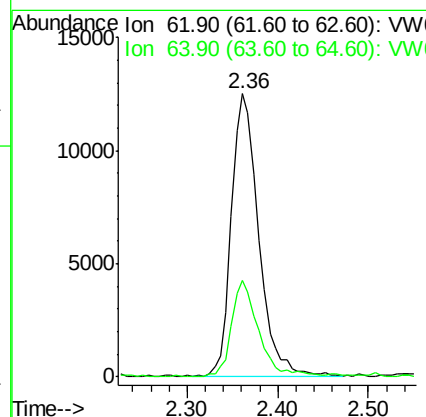
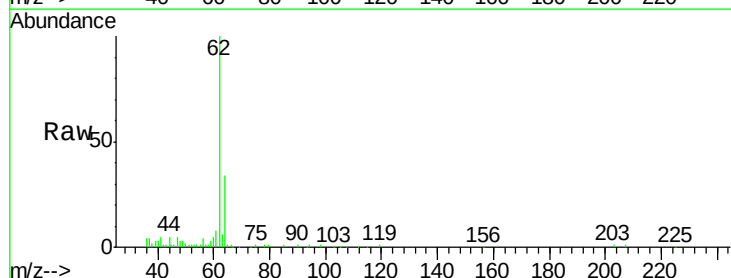
Acq: 16 Jan 2019 12:28

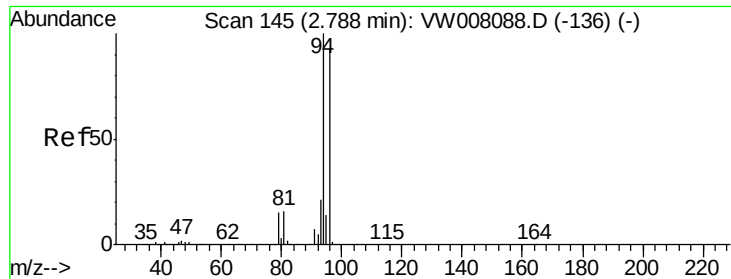
Tgt Ion: 62 Resp: 26283

Ion Ratio Lower Upper

62 100

64 33.9 27.0 40.6





#5

Bromomethane

Concen: 19.896 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW008302.D

Acq: 16 Jan 2019 12:28

Instrument :

MSVOA_W

ClientSampleId :

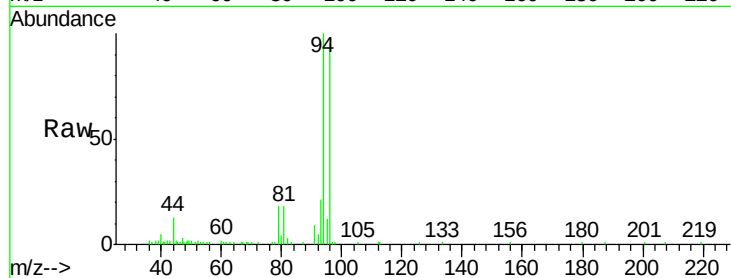
VW0116SBS01

Tot Ion: 94 Resp: 18694

Ion Ratio Lower Upper

94 100

96 94.9 74.1 111.1



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.78

8000

6000

4000

2000

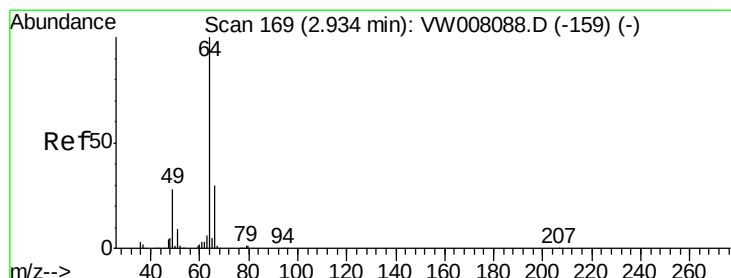
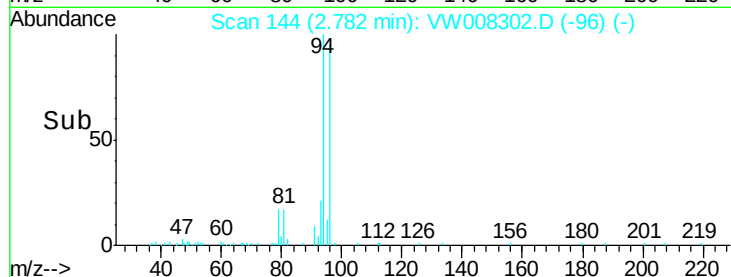
0

Time-->

2.70

2.80

2.90



#6

Chloroethane

Concen: 18.965 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW008302.D

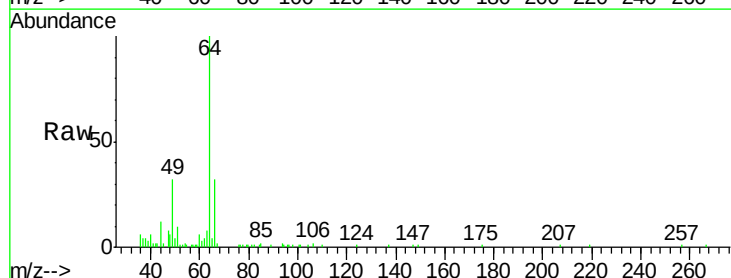
Acq: 16 Jan 2019 12:28

Tgt Ion: 64 Resp: 17899

Ion Ratio Lower Upper

64 100

66 32.5 24.2 36.2



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

2.92

6000

4000

2000

0

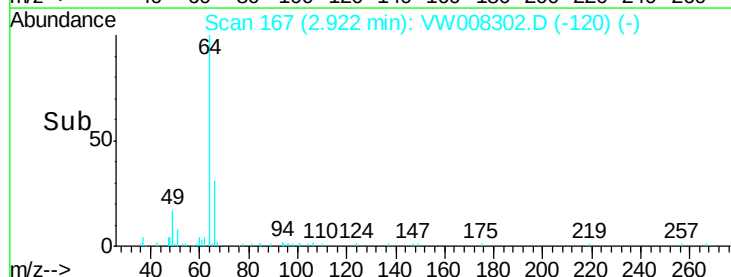
Time-->

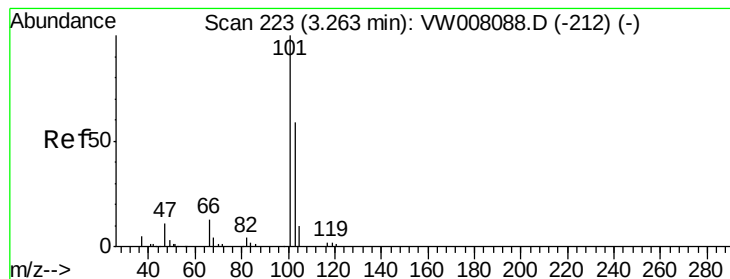
2.80

2.90

3.00

3.10



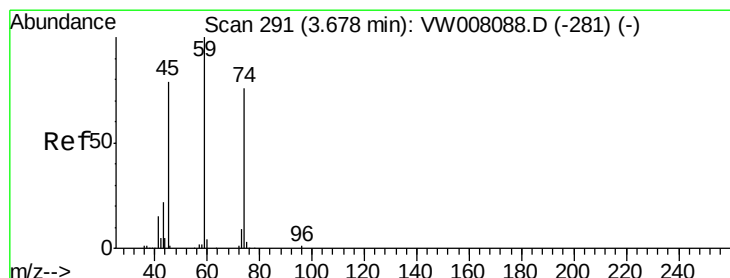
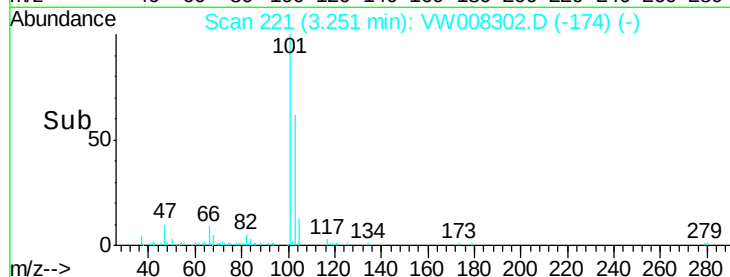
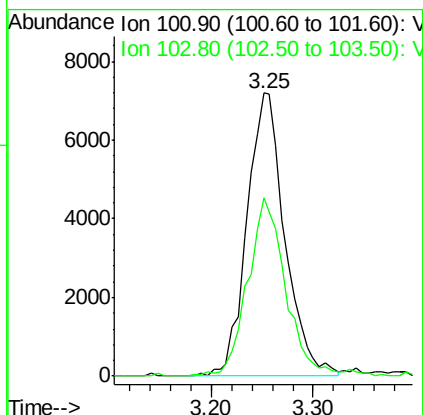
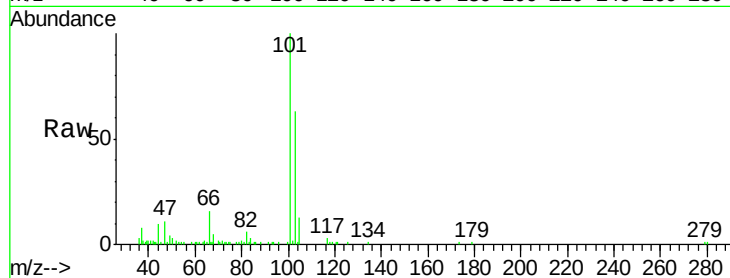


#7

Trichlorofluoromethane
 Concen: 18.227 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW008302.D
 Acq: 16 Jan 2019 12:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0116SBS01

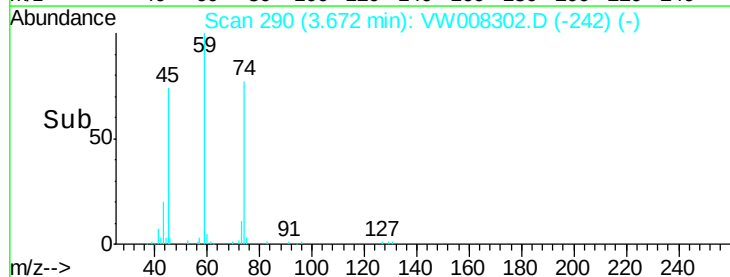
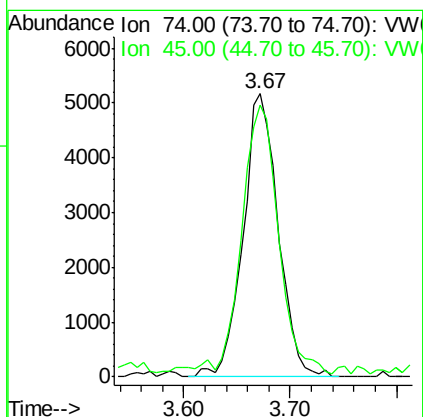
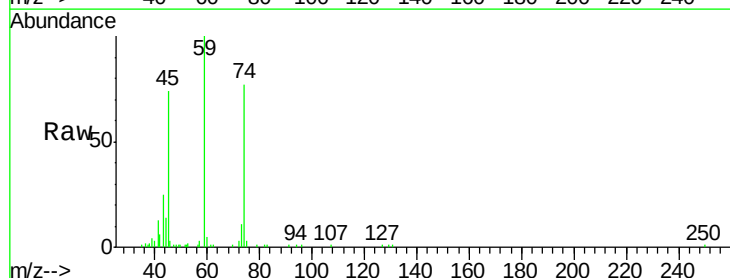
Tot Ion:101 Resp: 18586
 Ion Ratio Lower Upper
 101 100
 103 63.1 47.0 70.6

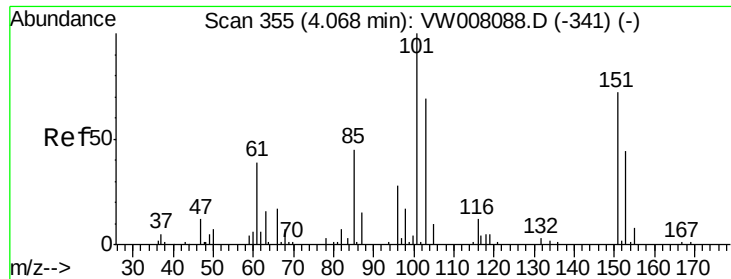


#8

Diethyl Ether
 Concen: 20.758 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW008302.D
 Acq: 16 Jan 2019 12:28

Tgt Ion: 74 Resp: 11966
 Ion Ratio Lower Upper
 74 100
 45 100.5 52.4 157.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.020 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW008302.D

Acq: 16 Jan 2019 12:28

Instrument :

MSVOA_W

ClientSampleId :

VW0116SBS01

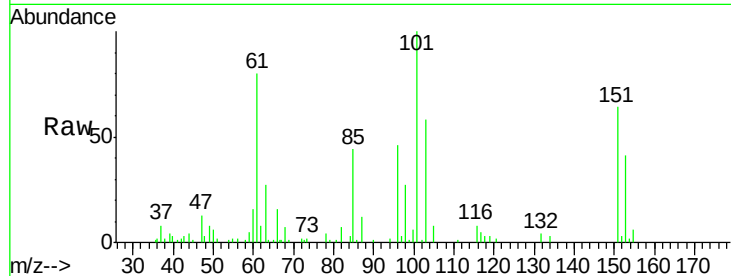
Tot Ion:101 Resp: 20268

Ion Ratio Lower Upper

101 100

85 47.6 35.9 53.9

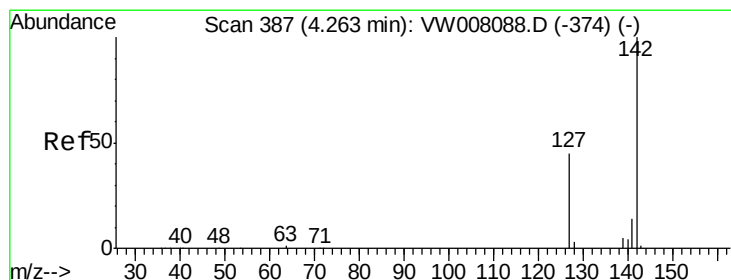
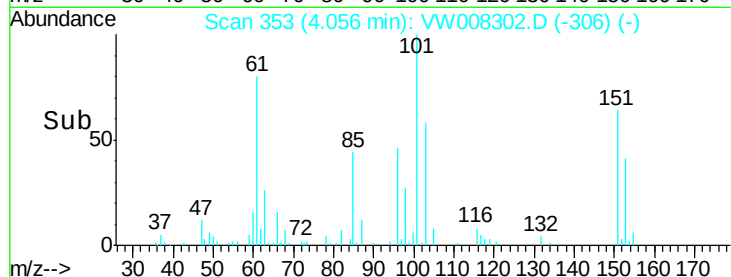
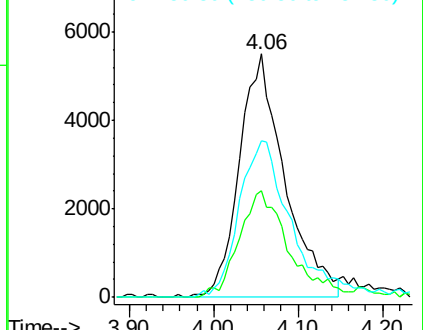
151 74.5 55.8 83.8



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: 19.171 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.00 min

Lab File: VW008302.D

Acq: 16 Jan 2019 12:28

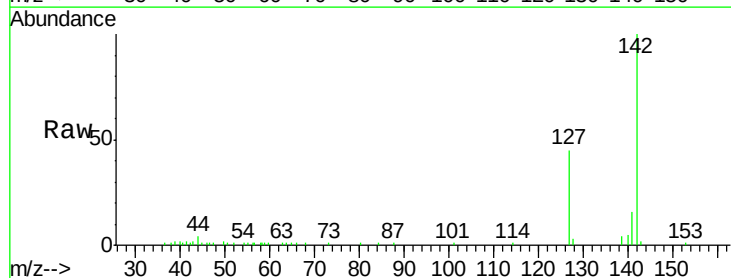
Tgt Ion:142 Resp: 28286

Ion Ratio Lower Upper

142 100

127 45.3 35.0 52.4

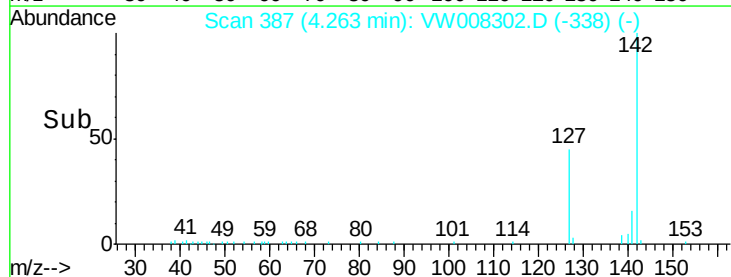
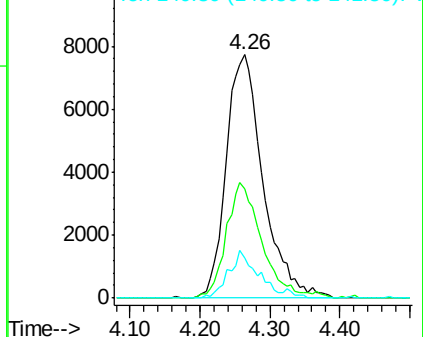
141 15.2 11.8 17.6

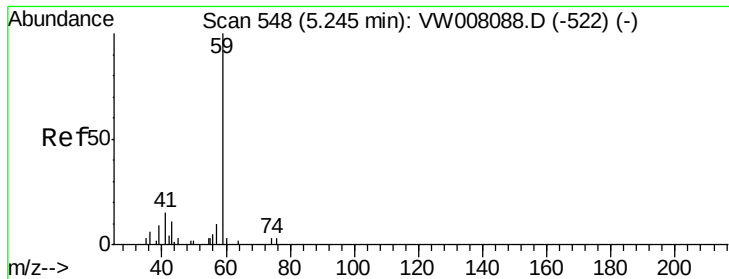


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



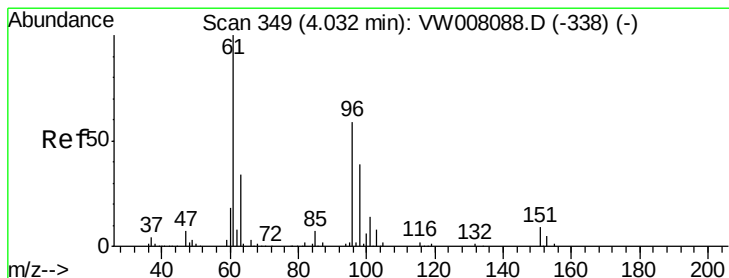
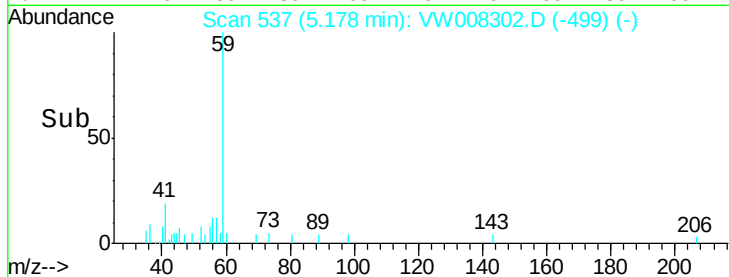
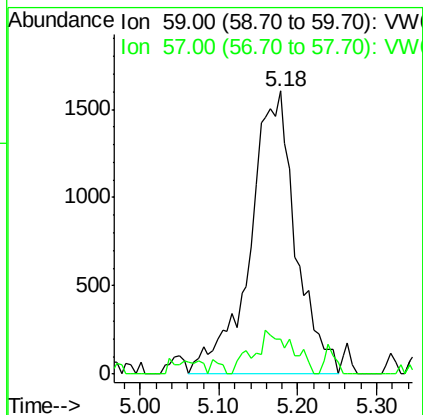
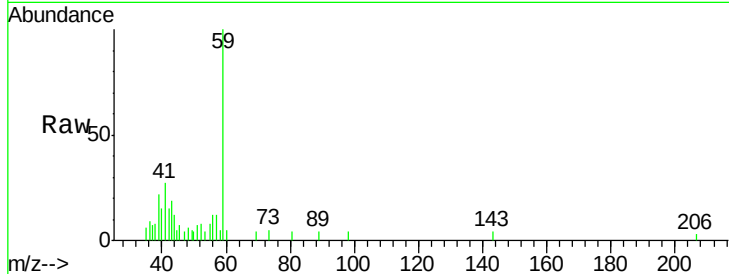


#11

Tert butyl alcohol
Concen: 85.257 ug/l
RT: 5.18 min Scan# 537
Delta R.T. -0.07 min
Lab File: VW008302.D
Acq: 16 Jan 2019 12:28

Instrument :
MSVOA_W
ClientSampleId :
VW0116SBS01

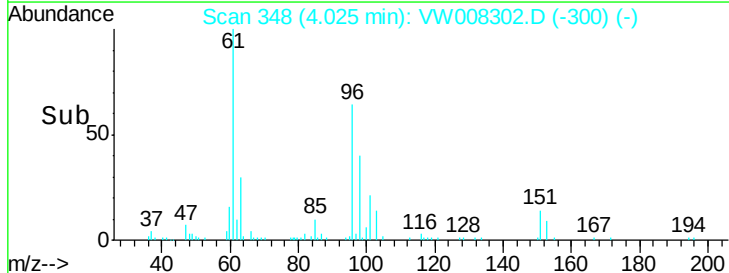
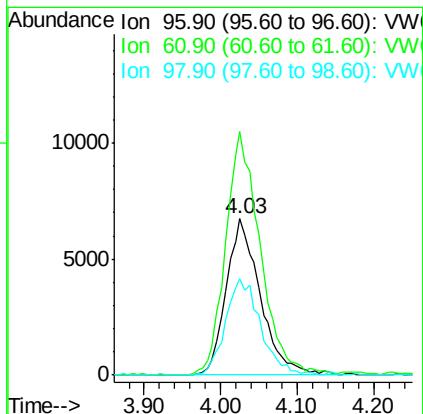
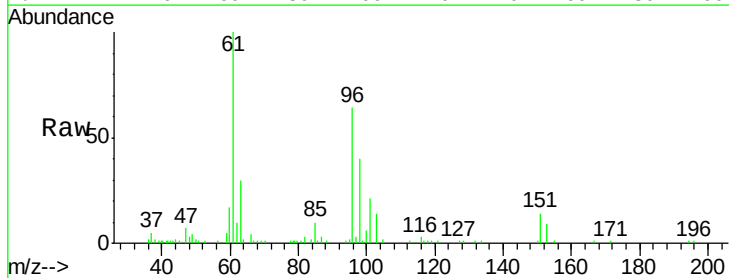
Tot Ion: 59 Resp: 6448
Ion Ratio Lower Upper
59 100
57 10.6 0.0 0.0#

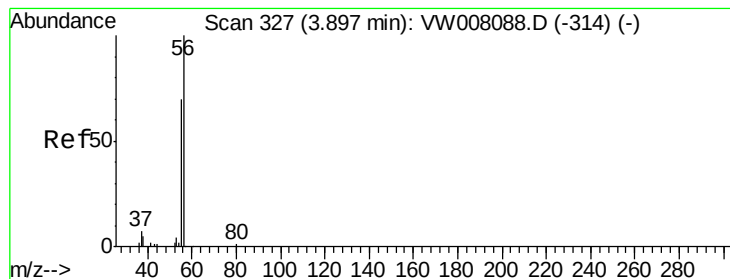


#12

1,1-Dichloroethene
Concen: 20.940 ug/l
RT: 4.03 min Scan# 348
Delta R.T. -0.01 min
Lab File: VW008302.D
Acq: 16 Jan 2019 12:28

Tgt Ion: 96 Resp: 20813
Ion Ratio Lower Upper
96 100
61 155.6 135.4 203.2
98 62.0 52.5 78.7





#13

Acrolein

Concen: 65.955 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW008302.D

Acq: 16 Jan 2019 12:28

Instrument :

MSVOA_W

ClientSampleId :

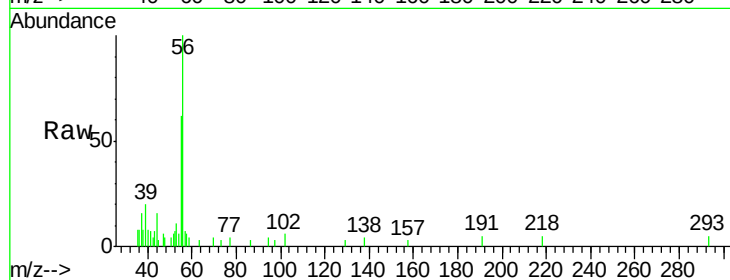
VW0116SBS01

Tot Ion: 56 Resp: 4554

Ion Ratio Lower Upper

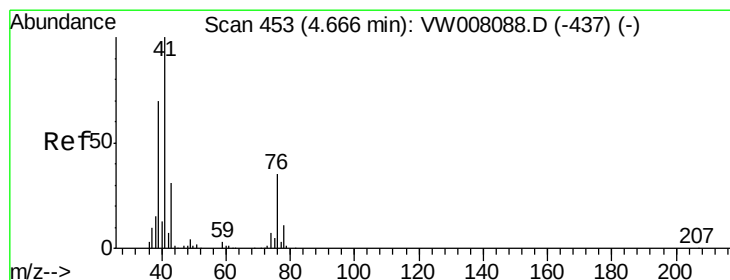
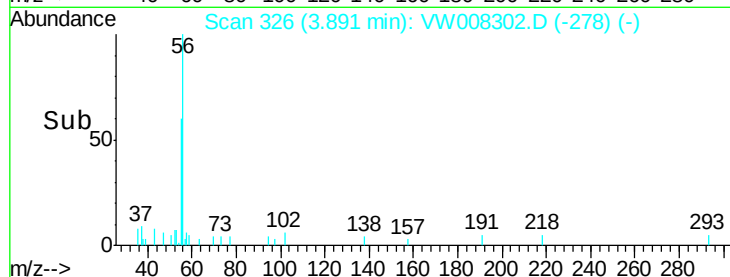
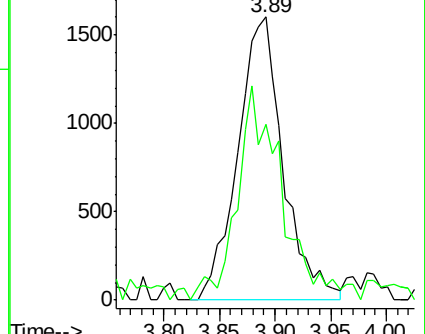
56 100

55 74.8 56.6 84.8



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 19.309 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW008302.D

Acq: 16 Jan 2019 12:28

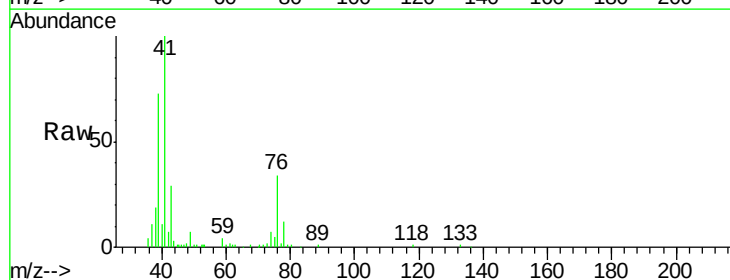
Tgt Ion: 41 Resp: 34845

Ion Ratio Lower Upper

41 100

39 70.0 53.8 80.8

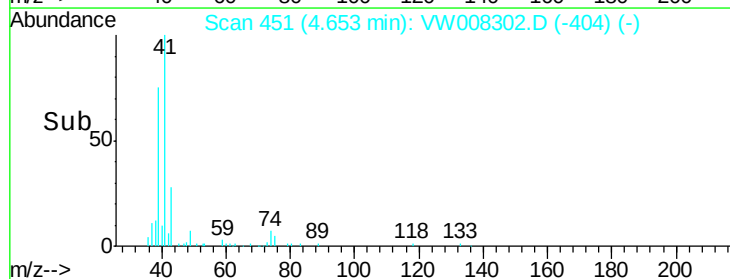
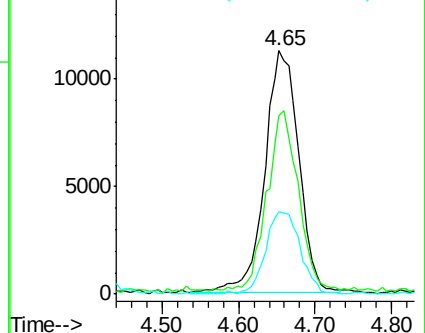
76 34.5 27.6 41.4

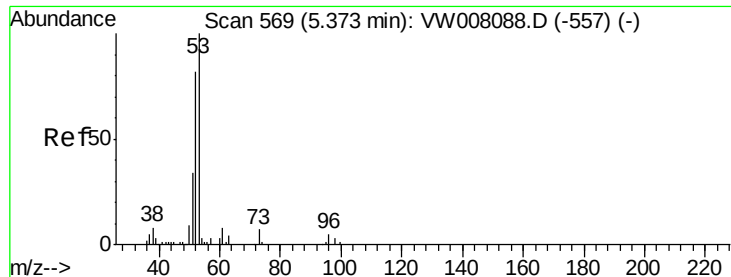


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 99.580 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW008302.D

Acq: 16 Jan 2019 12:28

Instrument :

MSVOA_W

ClientSampleId :

VW0116SBS01

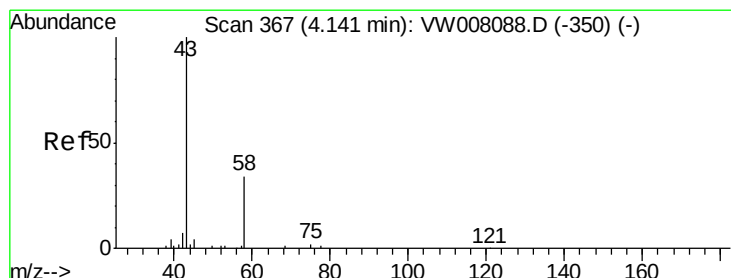
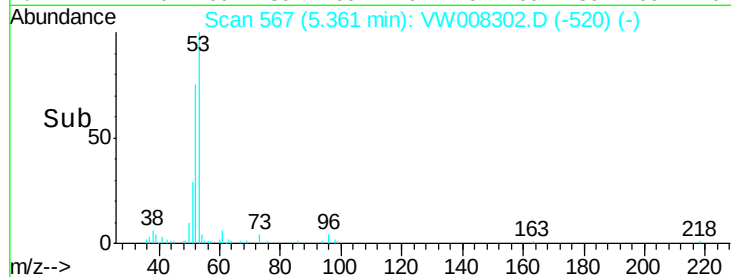
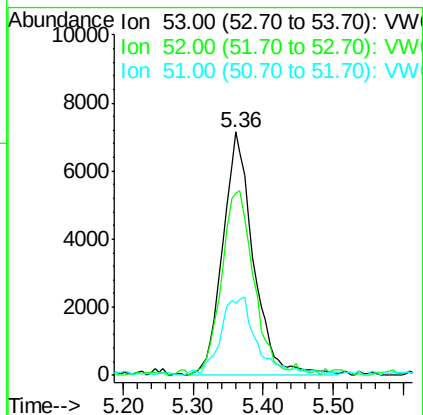
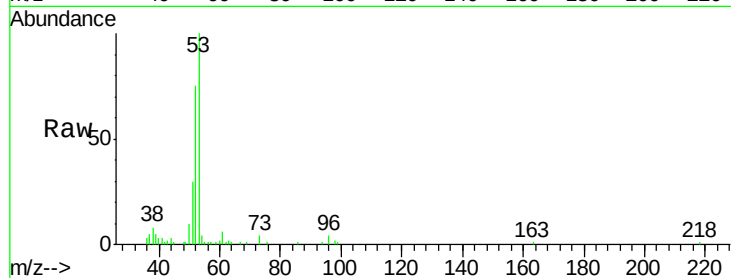
Tot Ion: 53 Resp: 21854

Ion Ratio Lower Upper

53 100

52 79.1 66.8 100.2

51 38.5 29.7 44.5



#16

Acetone

Concen: 103.903 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.02 min

Lab File: VW008302.D

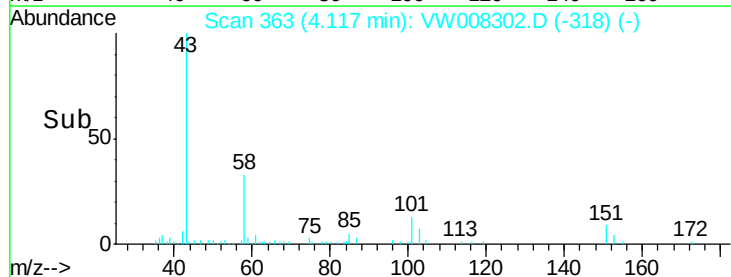
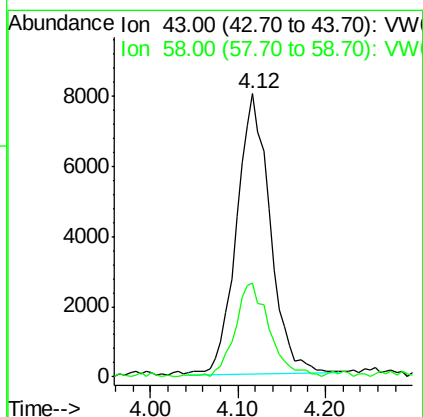
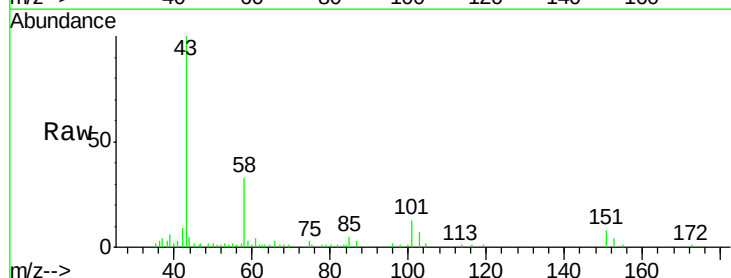
Acq: 16 Jan 2019 12:28

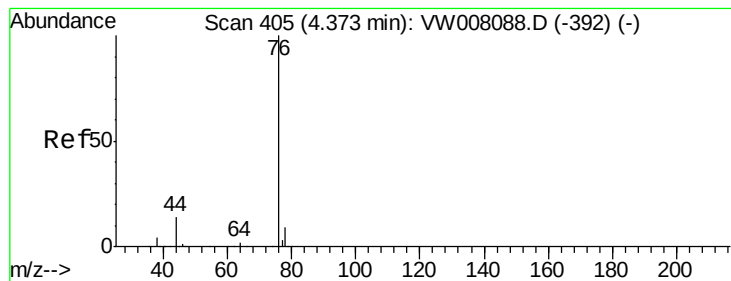
Tgt Ion: 43 Resp: 21318

Ion Ratio Lower Upper

43 100

58 32.7 27.5 41.3





#17

Carbon Disulfide

Concen: 18.968 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW008302.D

Acq: 16 Jan 2019 12:28

Instrument :

MSVOA_W

ClientSampleId :

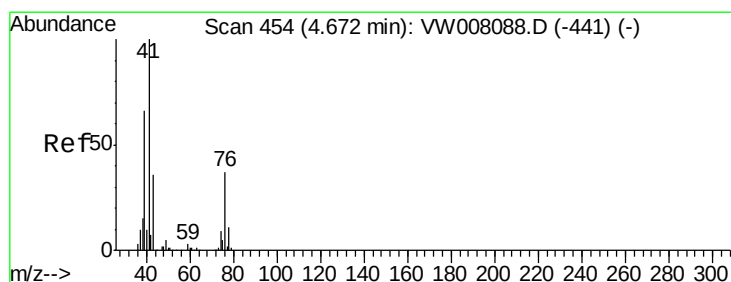
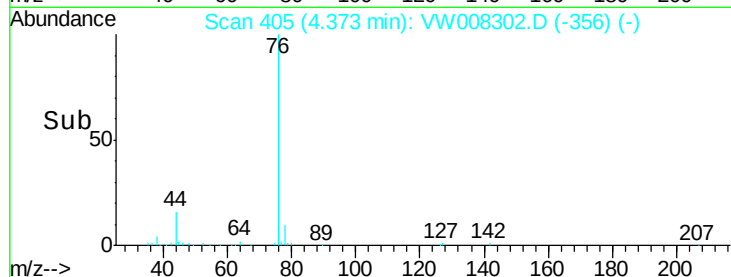
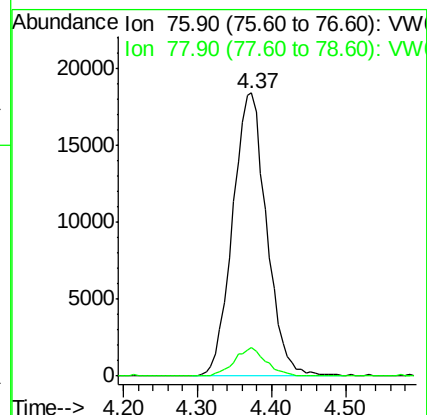
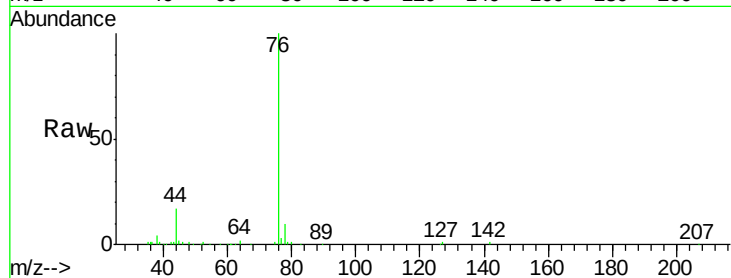
VW0116SBS01

Tot Ion: 76 Resp: 58896

Ion Ratio Lower Upper

76 100

78 10.3 7.0 10.6



#18

Methyl Acetate

Concen: 17.395 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW008302.D

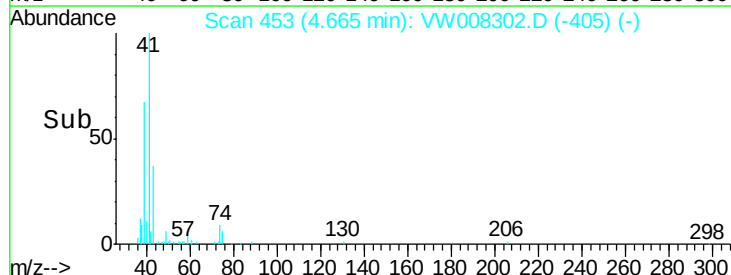
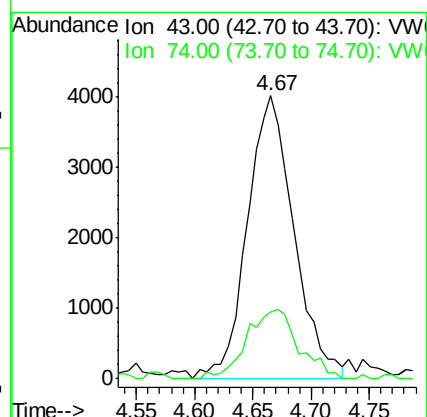
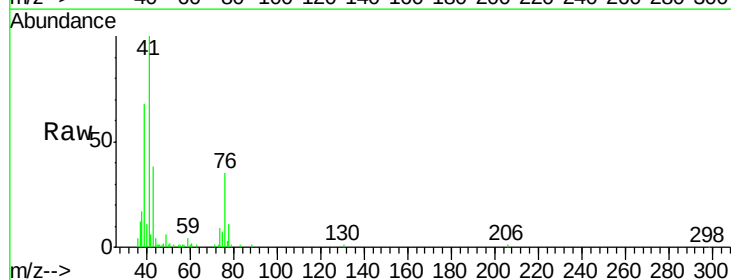
Acq: 16 Jan 2019 12:28

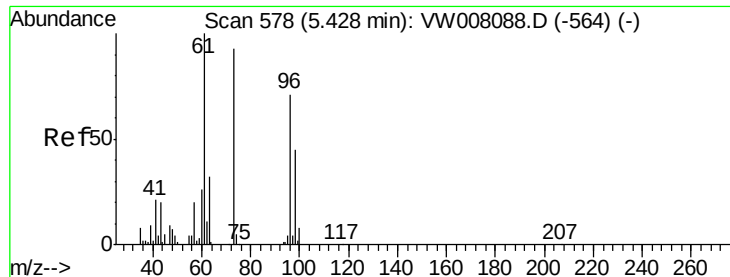
Tgt Ion: 43 Resp: 11215

Ion Ratio Lower Upper

43 100

74 27.4 19.0 28.4

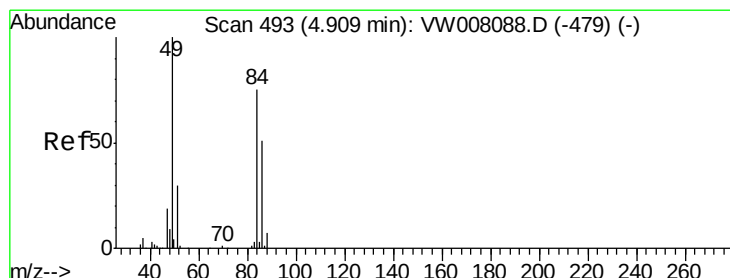
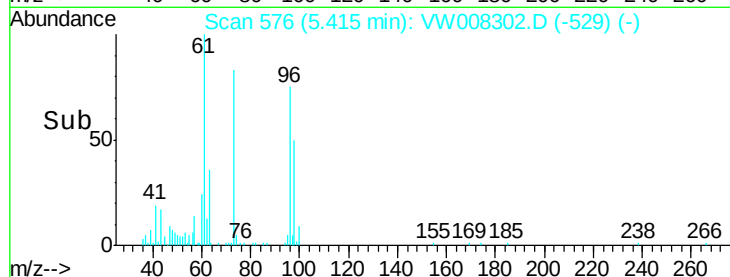
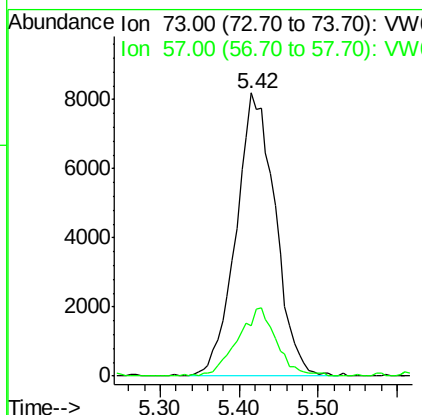
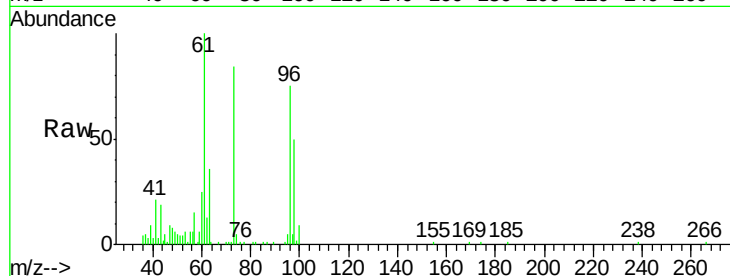




#19
Methyl tert-butyl Ether
Concen: 17.501 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW008302.D
Acq: 16 Jan 2019 12:28

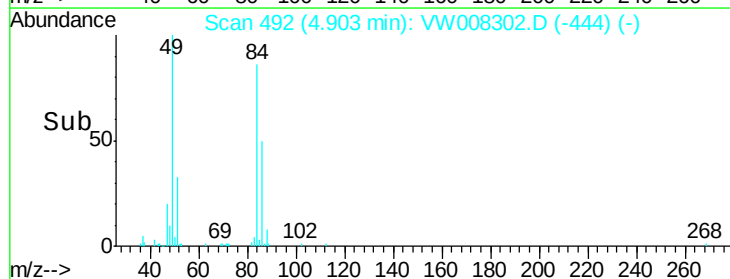
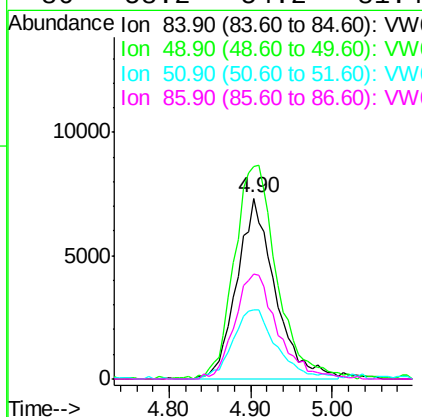
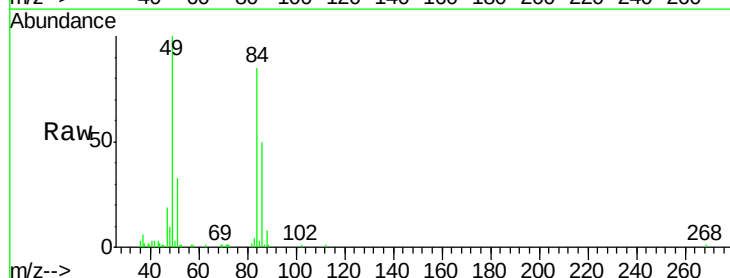
Instrument :
MSVOA_W
ClientSampleId :
VW0116SBS01

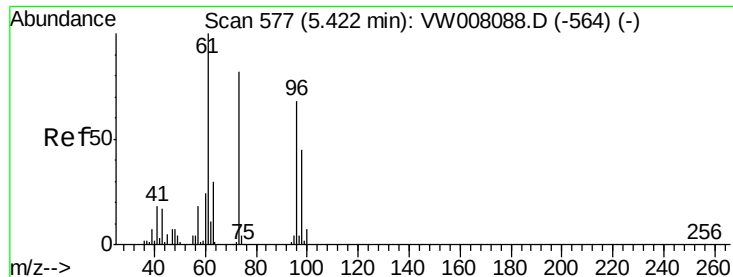
Tot Ion: 73 Resp: 28280
Ion Ratio Lower Upper
73 100
57 18.0 16.7 25.1



#20
Methylene Chloride
Concen: 20.922 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW008302.D
Acq: 16 Jan 2019 12:28

Tgt Ion: 84 Resp: 23821
Ion Ratio Lower Upper
84 100
49 116.2 107.1 160.7
51 38.2 32.4 48.6
86 58.2 54.2 81.4





#21

trans-1,2-Dichloroethene

Concen: 21.035 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW008302.D

Acq: 16 Jan 2019 12:28

Instrument :

MSVOA_W

ClientSampleId :

VW0116SBS01

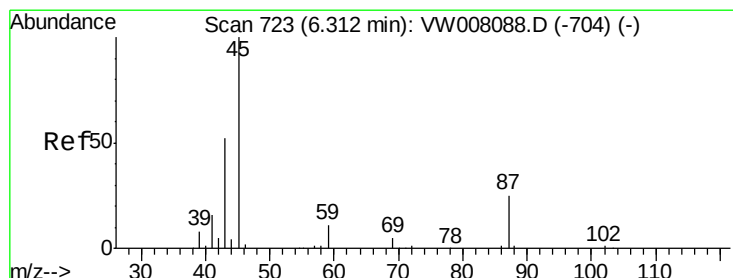
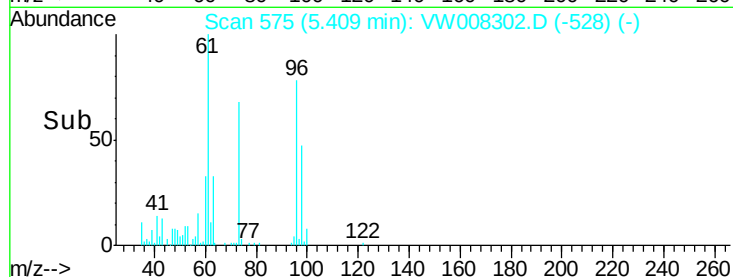
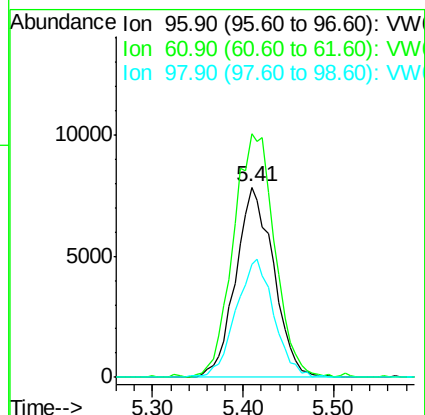
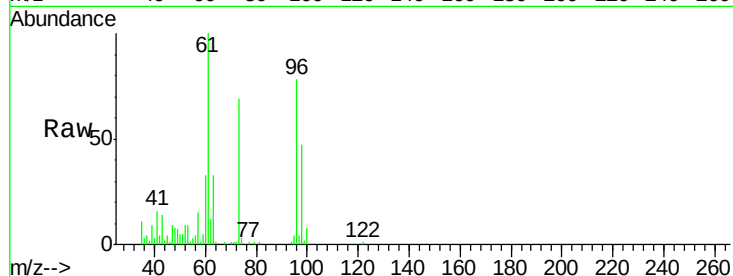
Tot Ion: 96 Resp: 22721

Ion Ratio Lower Upper

96 100

61 128.1 117.4 176.0

98 59.7 52.2 78.4



#22

Diisopropyl ether

Concen: 19.587 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW008302.D

Acq: 16 Jan 2019 12:28

Tgt Ion: 45 Resp: 67413

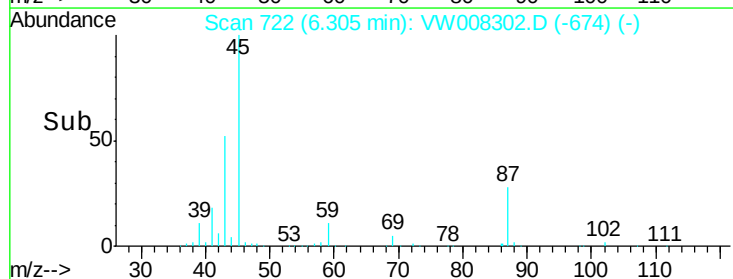
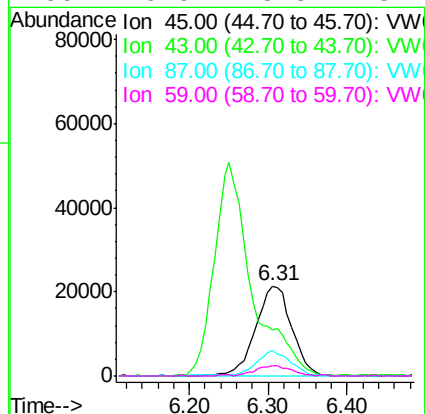
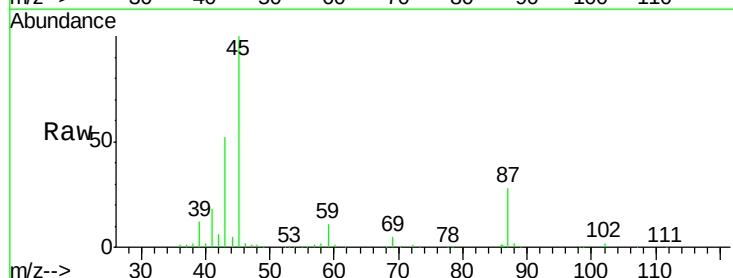
Ion Ratio Lower Upper

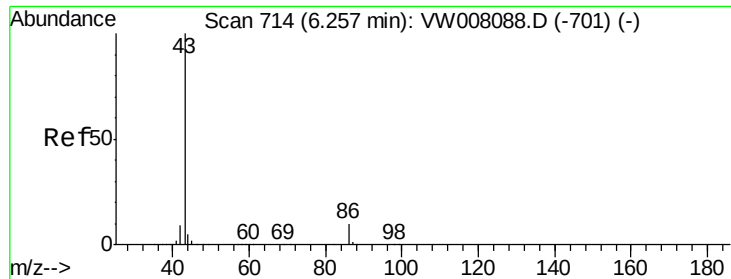
45 100

43 51.0 41.7 62.5

87 27.4 20.1 30.1

59 10.9 8.8 13.2





#23

Vinyl Acetate

Concen: 93.492 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW008302.D

Acq: 16 Jan 2019 12:28

Instrument :

MSVOA_W

ClientSampleId :

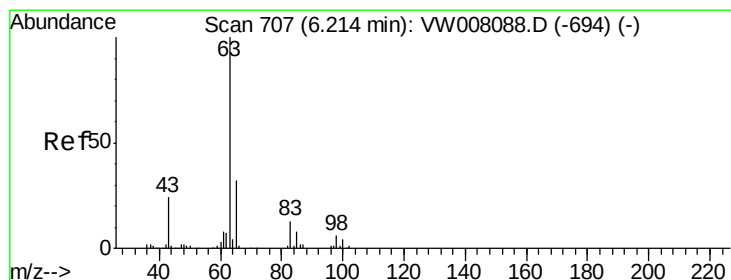
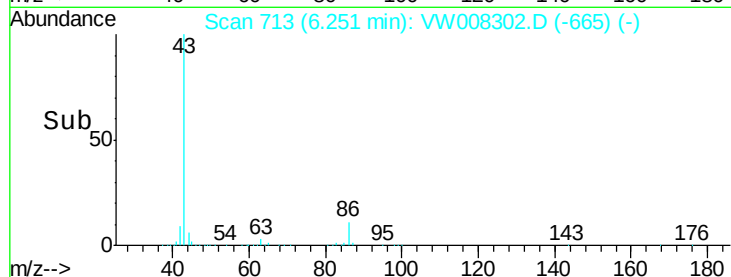
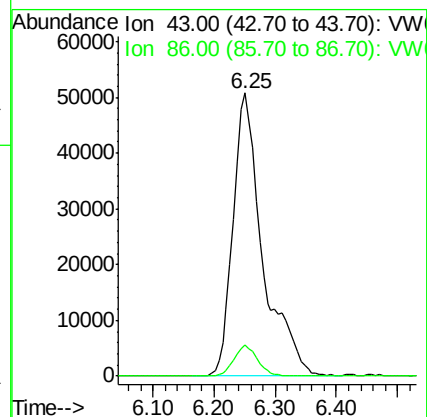
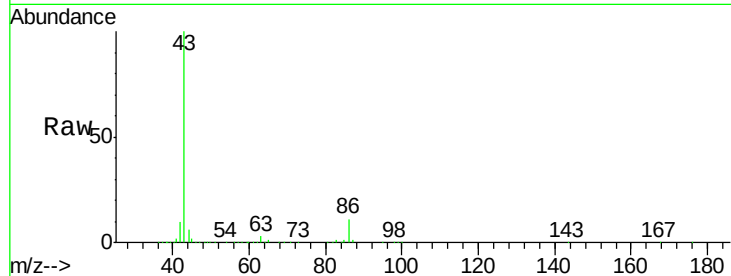
VW0116SBS01

Tot Ion: 43 Resp: 168994

Ion Ratio Lower Upper

43 100

86 10.8 7.7 11.5



#24

1,1-Dichloroethane

Concen: 20.694 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW008302.D

Acq: 16 Jan 2019 12:28

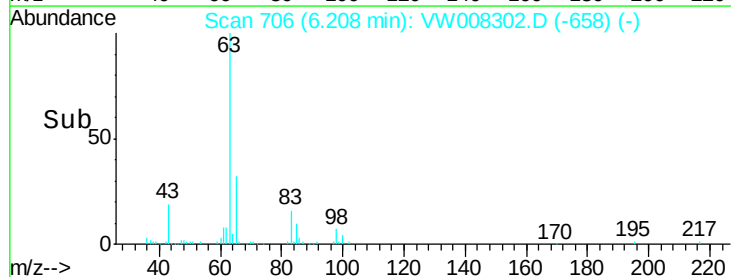
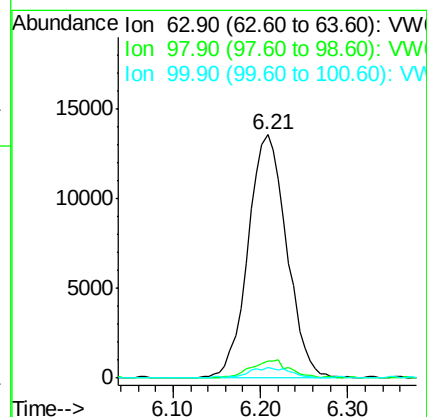
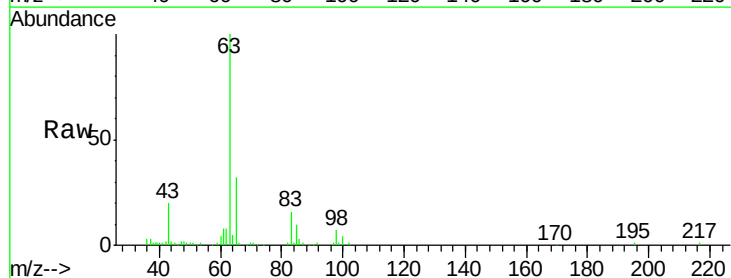
Tgt Ion: 63 Resp: 41499

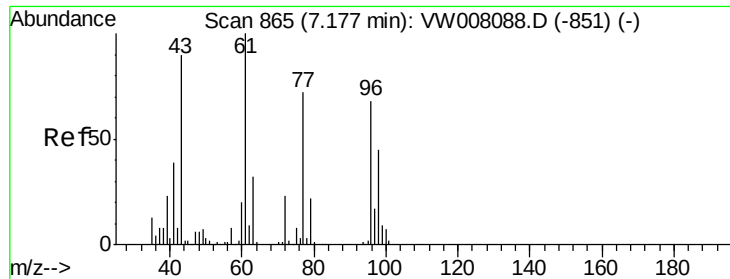
Ion Ratio Lower Upper

63 100

98 7.2 3.2 9.6

100 4.2 2.0 6.0





#25

2-Butanone

Concen: 99.993 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008302.D

Acq: 16 Jan 2019 12:28

Instrument :

MSVOA_W

ClientSampleId :

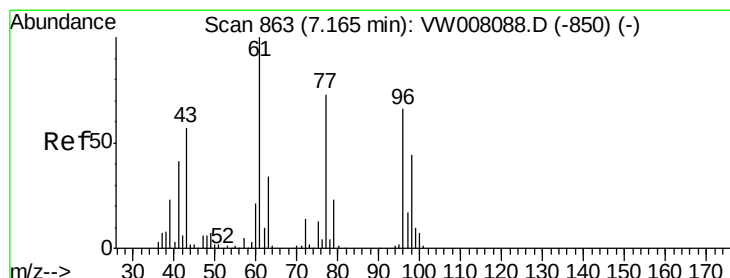
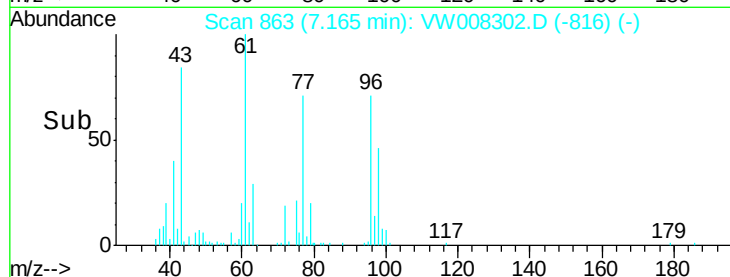
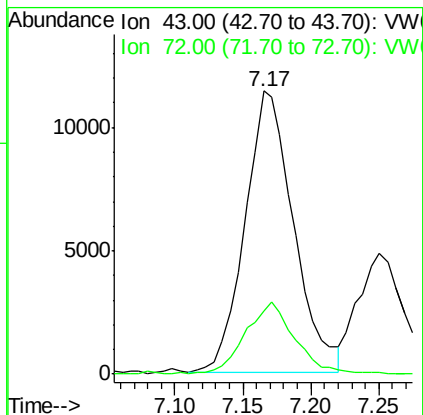
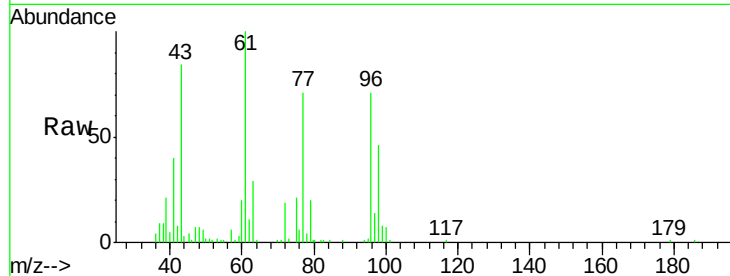
VW0116SBS01

Tot Ion: 43 Resp: 28380

Ion Ratio Lower Upper

43 100

72 22.7 20.5 30.7



#26

2,2-Dichloropropane

Concen: 20.280 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW008302.D

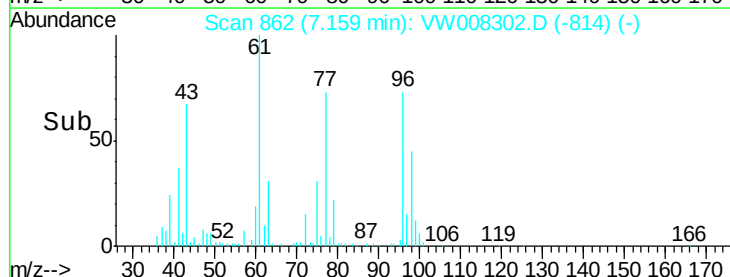
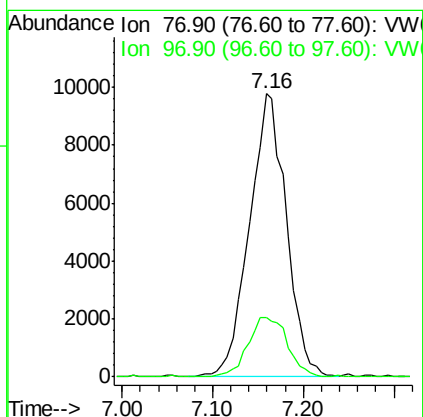
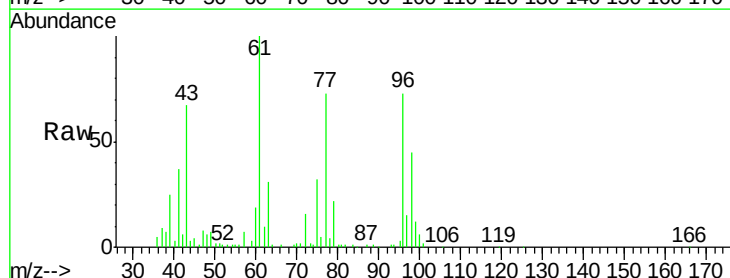
Acq: 16 Jan 2019 12:28

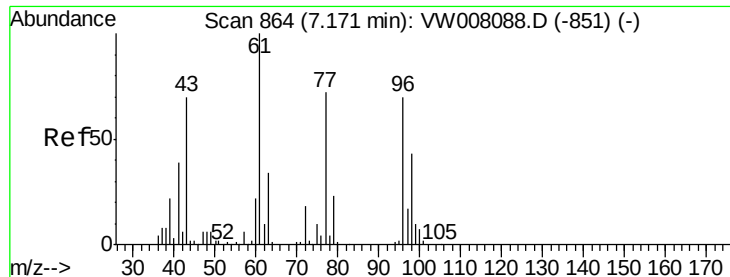
Tgt Ion: 77 Resp: 27555

Ion Ratio Lower Upper

77 100

97 22.5 11.4 34.1



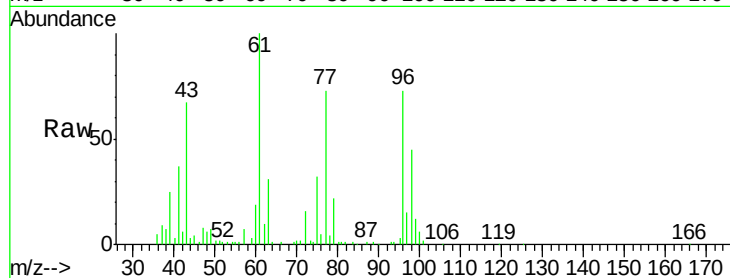


#27

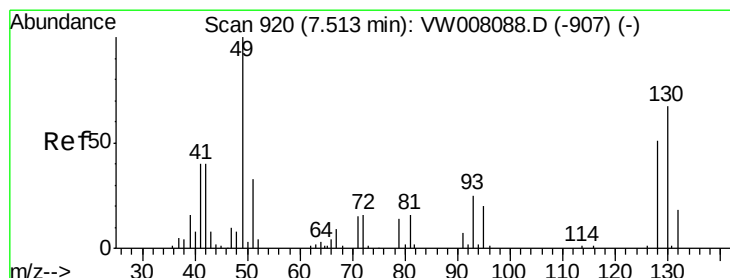
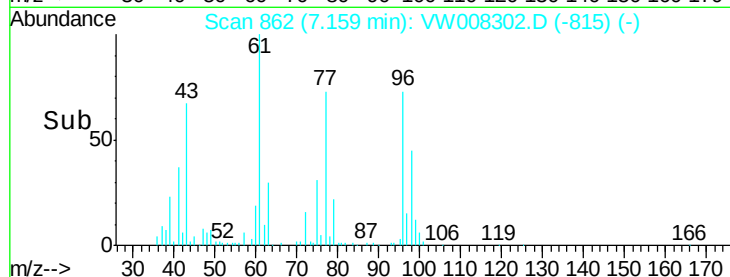
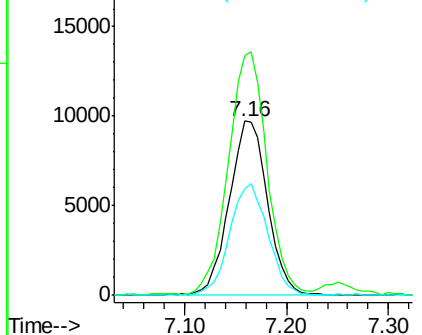
cis-1,2-Dichloroethene
Concen: 21.498 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW008302.D
Acq: 16 Jan 2019 12:28

Instrument :
MSVOA_W
ClientSampleId :
VW0116SBS01

Tot Ion: 96 Resp: 25335
Ion Ratio Lower Upper
96 100
61 141.4 0.0 300.4
98 63.9 0.0 128.4



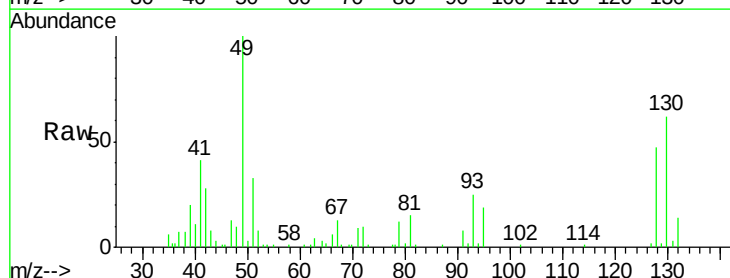
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



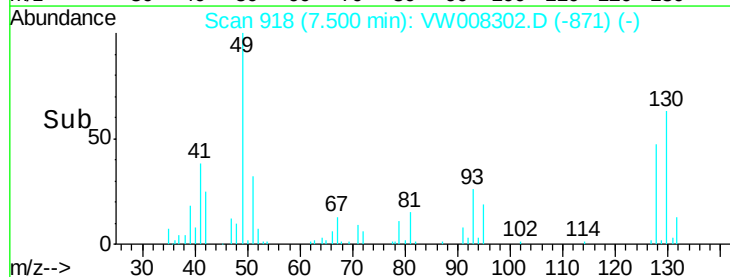
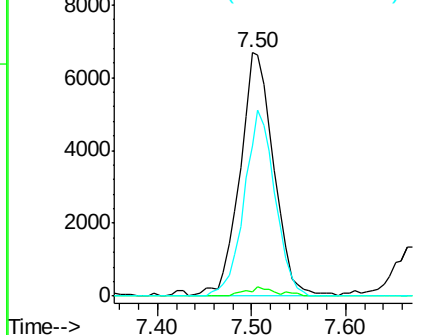
#28

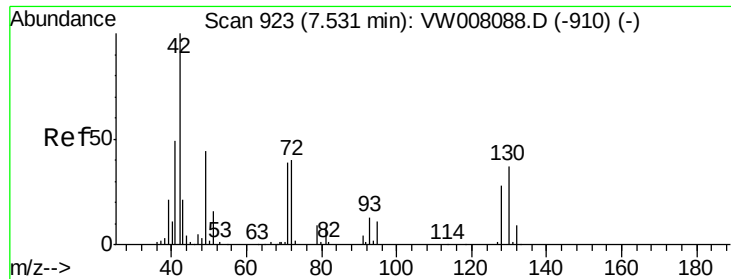
Bromochloromethane
Concen: 21.167 ug/l
RT: 7.50 min Scan# 918
Delta R.T. -0.01 min
Lab File: VW008302.D
Acq: 16 Jan 2019 12:28

Tgt Ion: 49 Resp: 16789
Ion Ratio Lower Upper
49 100
129 2.7 0.0 2.8
130 69.7 54.3 81.5



Abundance Ion 48.90 (48.60 to 49.60): VW
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

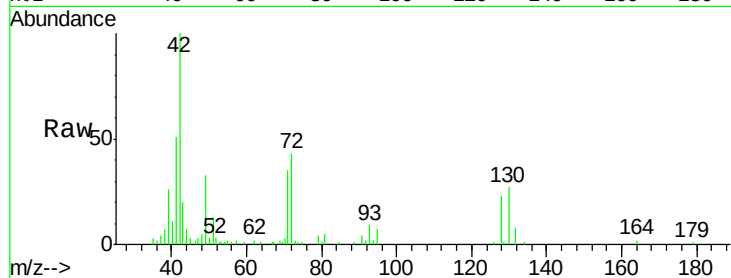




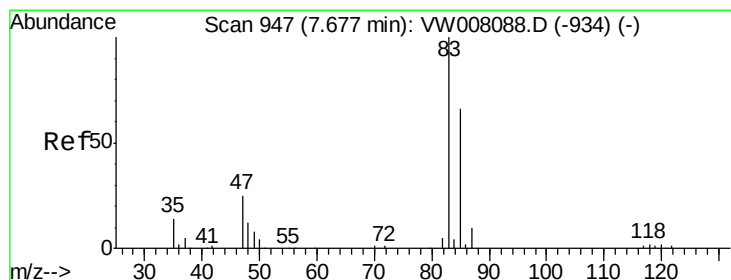
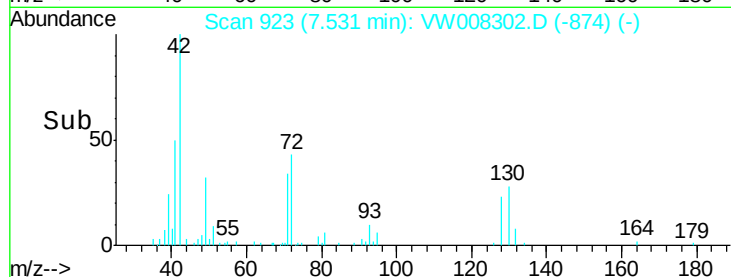
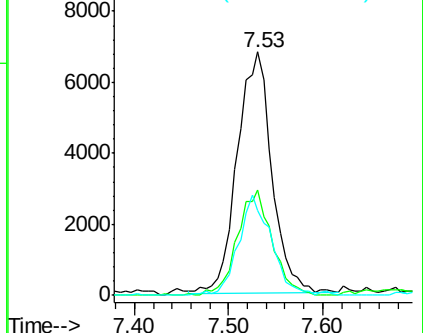
#29
Tetrahydrofuran
Concen: 92.126 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW008302.D
Acq: 16 Jan 2019 12:28

Instrument :
MSVOA_W
ClientSampleId :
VW0116SBS01

Tot Ion: 42 Resp: 17466
Ion Ratio Lower Upper
42 100
72 43.7 32.4 48.6
71 39.4 31.3 46.9

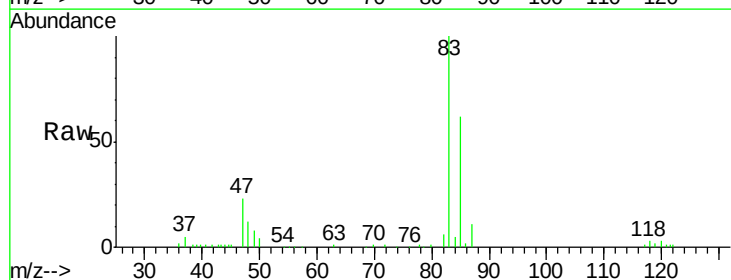


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

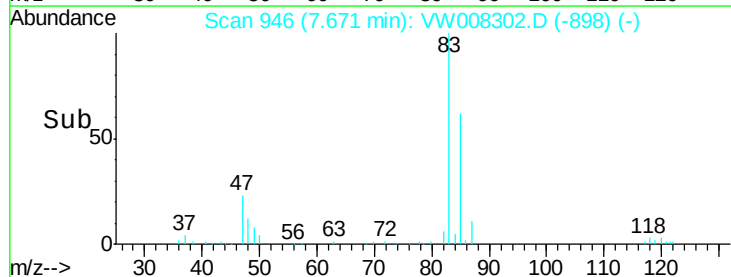
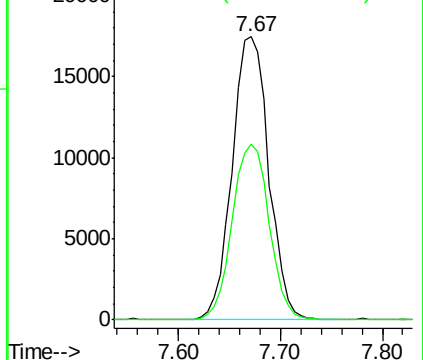


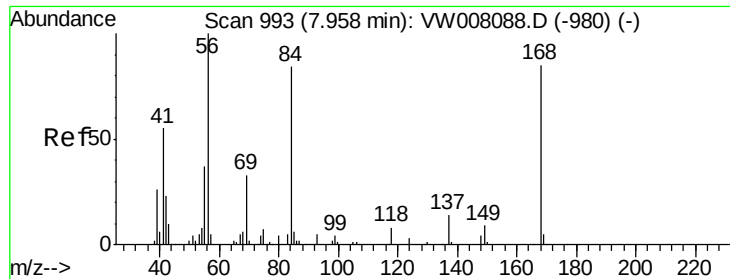
#30
Chloroform
Concen: 22.701 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW008302.D
Acq: 16 Jan 2019 12:28

Tgt Ion: 83 Resp: 43332
Ion Ratio Lower Upper
83 100
85 62.3 53.2 79.8



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

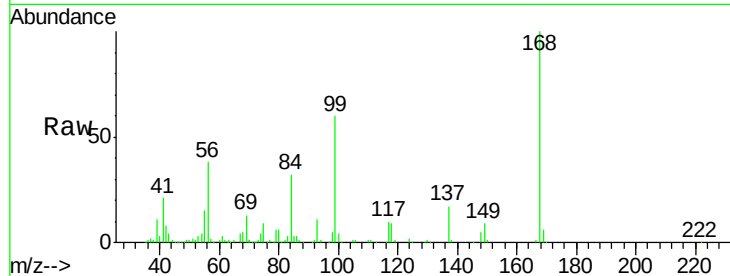




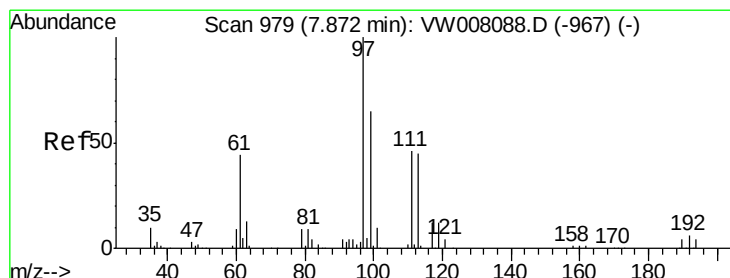
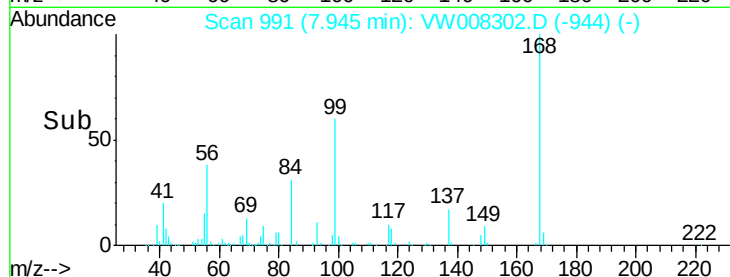
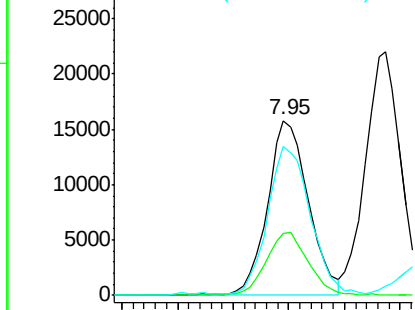
#31
Cyclohexane
Concen: 18.848 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008302.D
Acq: 16 Jan 2019 12:28

Instrument :
MSVOA_W
ClientSampleId :
VW0116SBS01

Tot Ion: 56 Resp: 40463
Ion Ratio Lower Upper
56 100
69 35.3 26.2 39.4
84 84.2 67.4 101.2

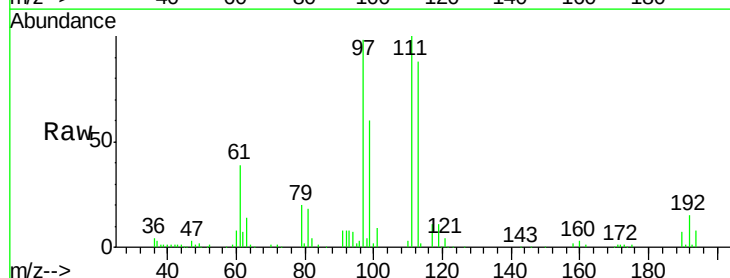


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

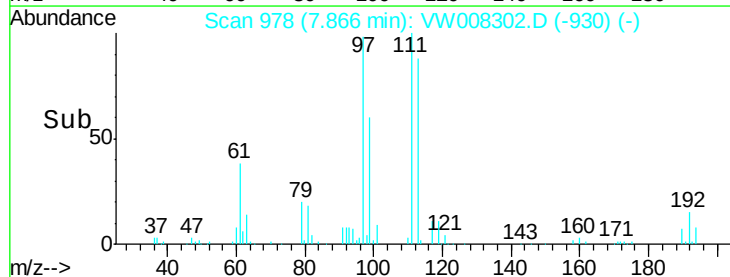
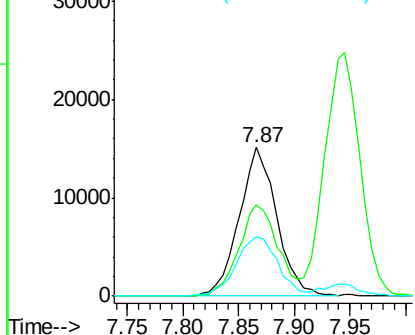


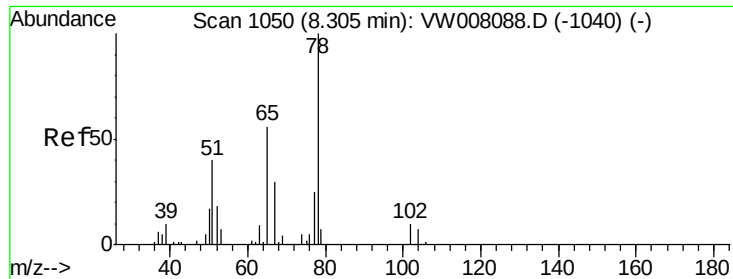
#32
1,1,1-Trichloroethane
Concen: 21.303 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW008302.D
Acq: 16 Jan 2019 12:28

Tgt Ion: 97 Resp: 35382
Ion Ratio Lower Upper
97 100
99 63.6 51.4 77.0
61 44.6 35.6 53.4



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW

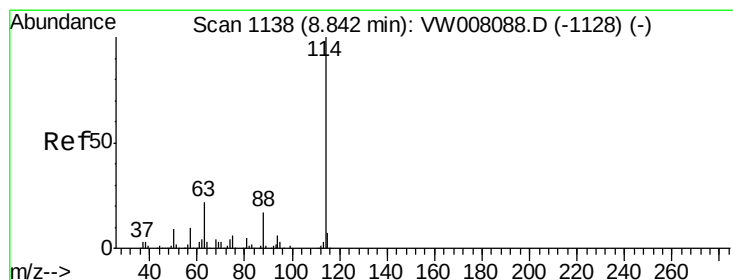
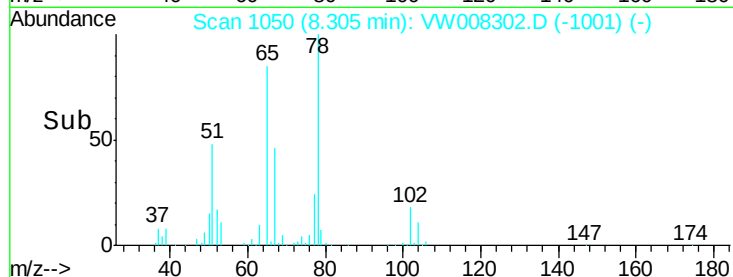
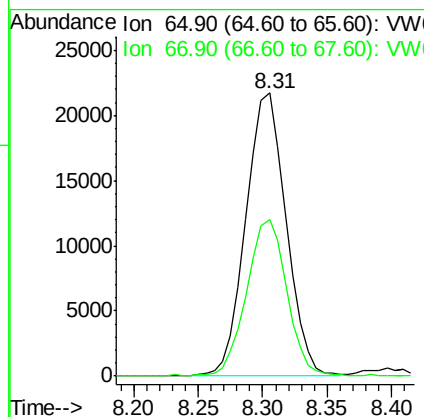
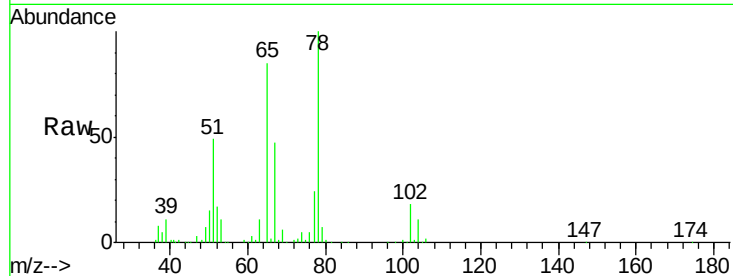




#33
 1,2-Dichloroethane-d4
 Concen: 46.233 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008302.D
 Acq: 16 Jan 2019 12:28

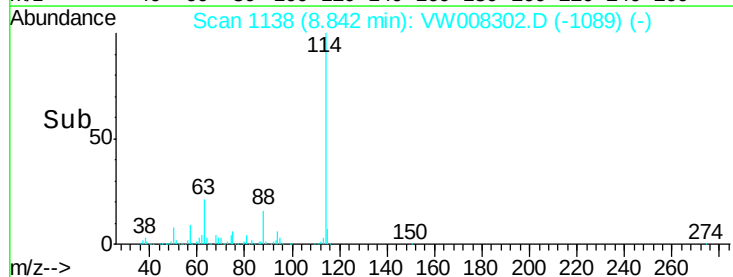
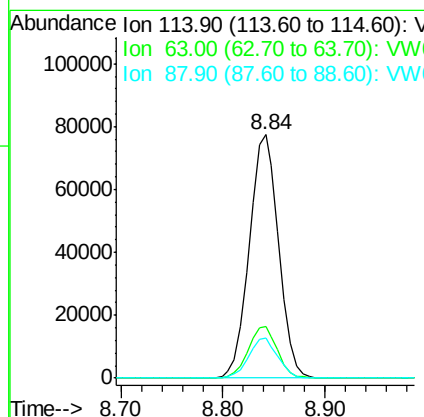
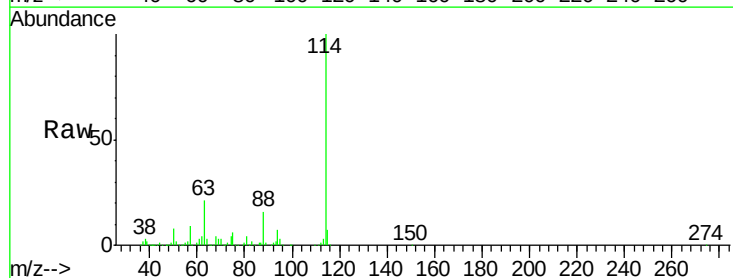
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0116SBS01

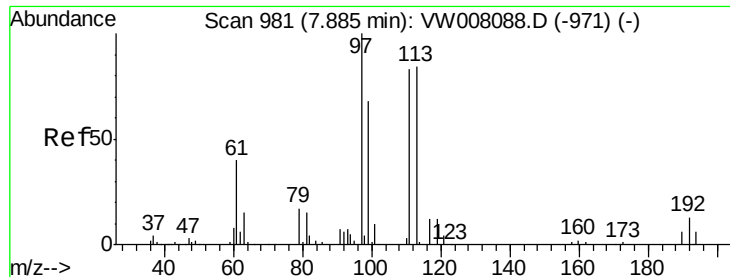
Tot Ion: 65 Resp: 47162
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008302.D
 Acq: 16 Jan 2019 12:28

Tgt Ion: 114 Resp: 154694
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 43.4
 88 16.3 0.0 33.4





#35

Dibromofluoromethane

Concen: 52.491 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW008302.D

Acq: 16 Jan 2019 12:28

Instrument :

MSVOA_W

ClientSampled :

VW0116SBS01

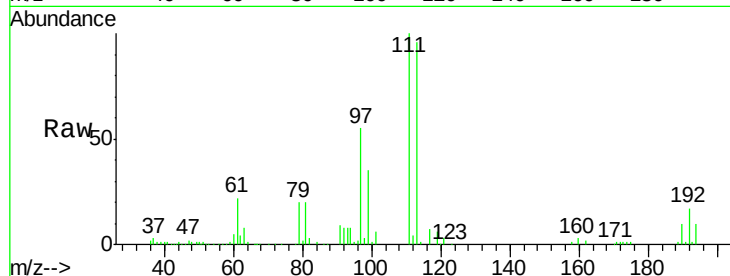
Tot Ion:113 Resp: 47359

Ion Ratio Lower Upper

113 100

111 105.6 81.8 122.8

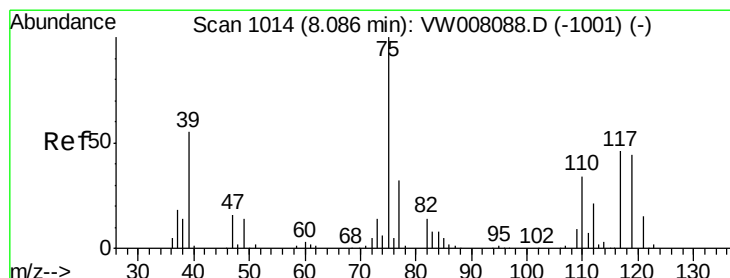
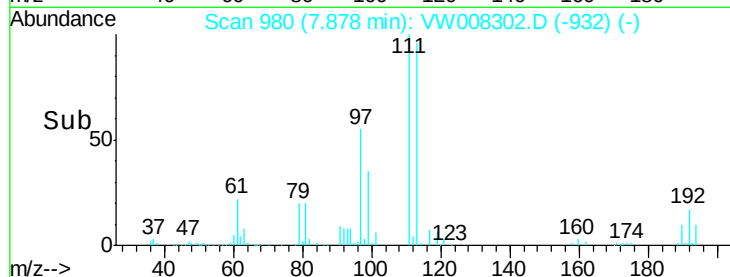
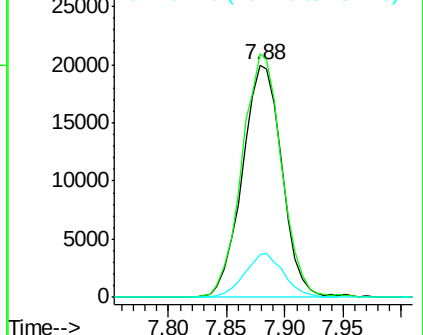
192 18.6 12.8 19.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 21.587 ug/l

RT: 8.07 min Scan# 1012

Delta R.T. -0.01 min

Lab File: VW008302.D

Acq: 16 Jan 2019 12:28

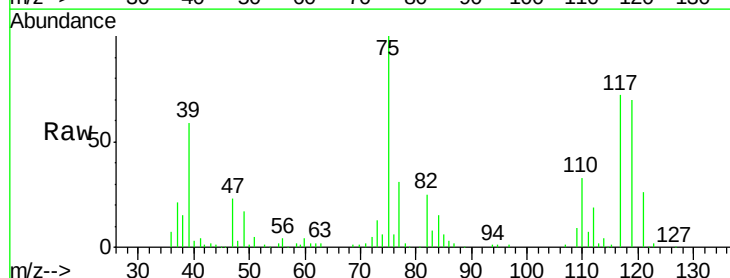
Tgt Ion: 75 Resp: 34399

Ion Ratio Lower Upper

75 100

110 34.8 17.1 51.3

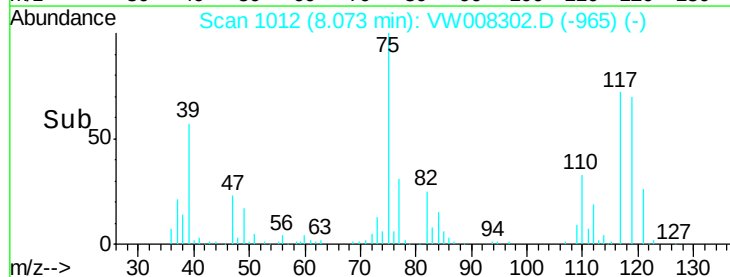
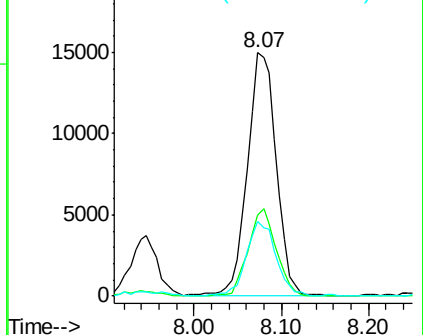
77 31.5 25.5 38.3

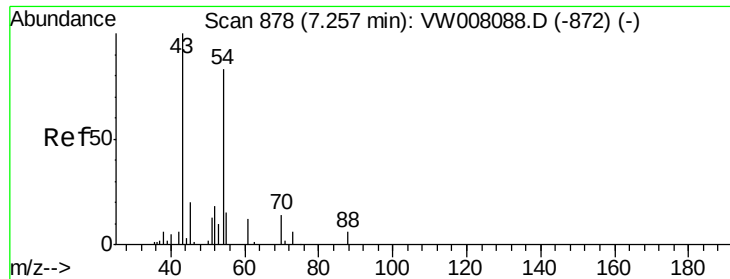


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

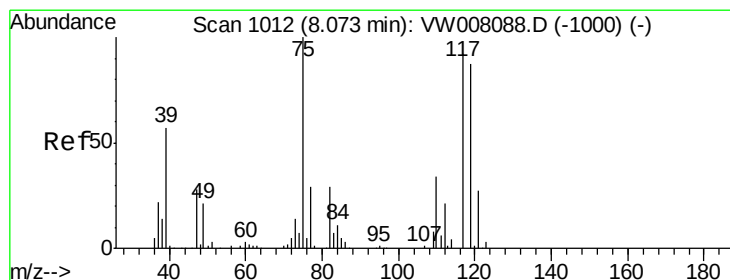
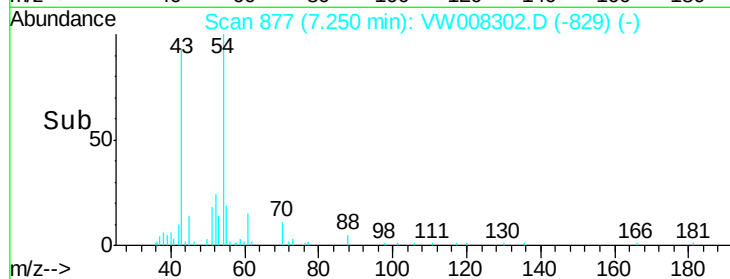
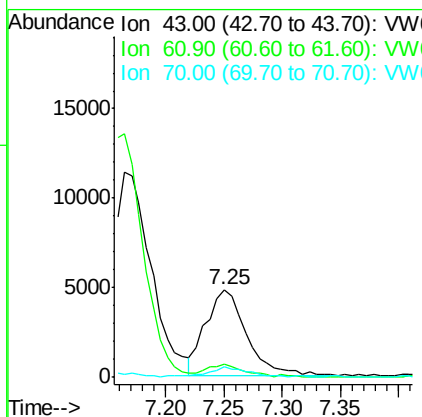
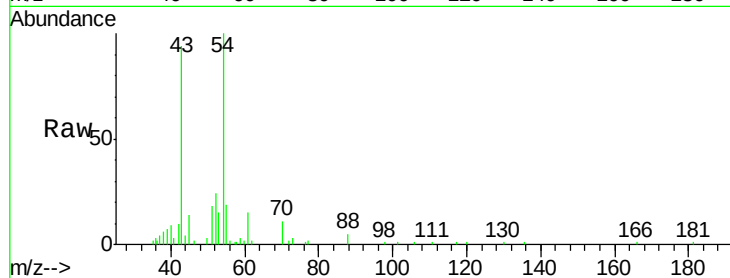




#37
Ethyl Acetate
Concen: 18.001 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: VW008302.D
Acq: 16 Jan 2019 12:28

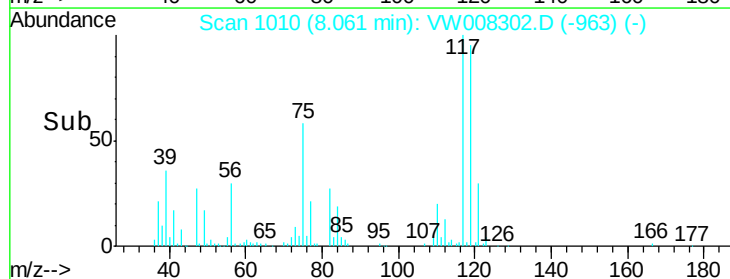
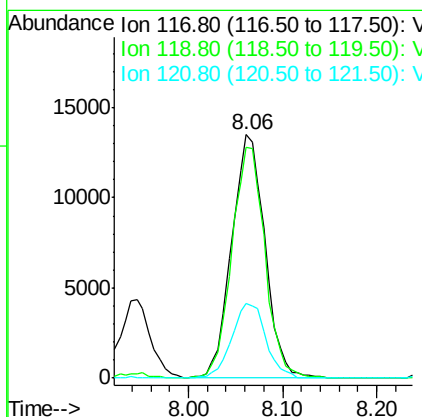
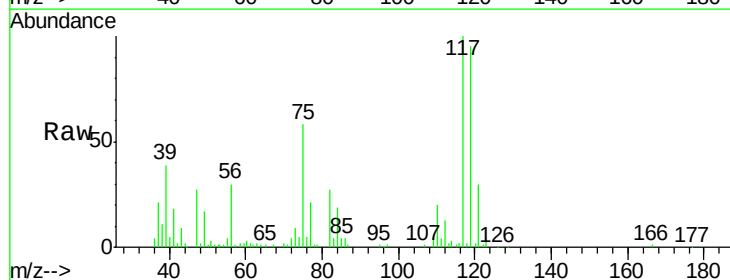
Instrument :
MSVOA_W
ClientSampleId :
VW0116SBS01

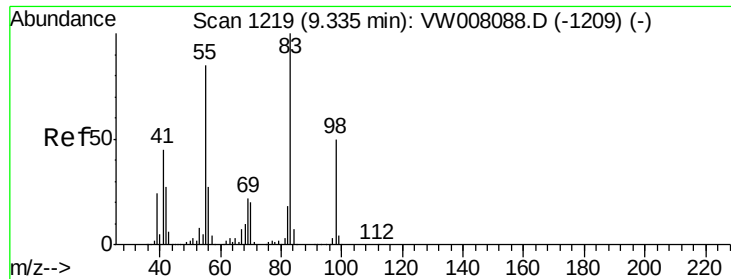
Tot Ion: 43 Resp: 11492
Ion Ratio Lower Upper
43 100
61 13.8 10.6 16.0
70 13.3 8.9 13.3



#38
Carbon Tetrachloride
Concen: 22.843 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW008302.D
Acq: 16 Jan 2019 12:28

Tgt Ion: 117 Resp: 33316
Ion Ratio Lower Upper
117 100
119 95.1 75.8 113.8
121 30.5 23.7 35.5

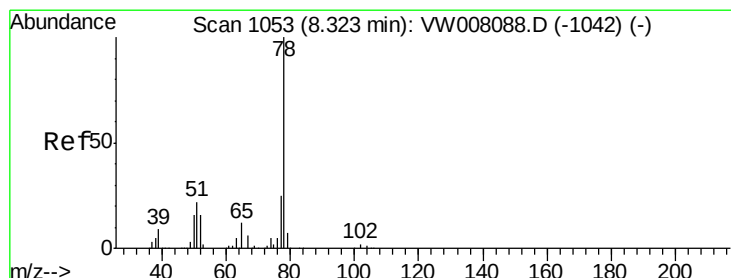
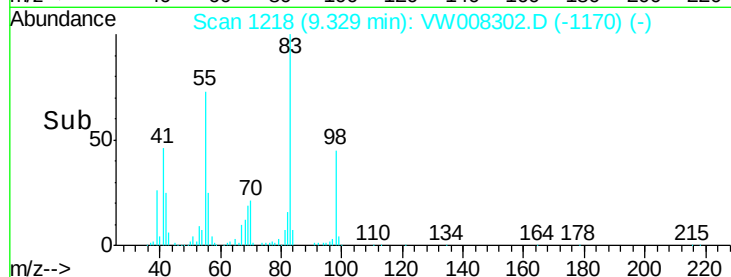
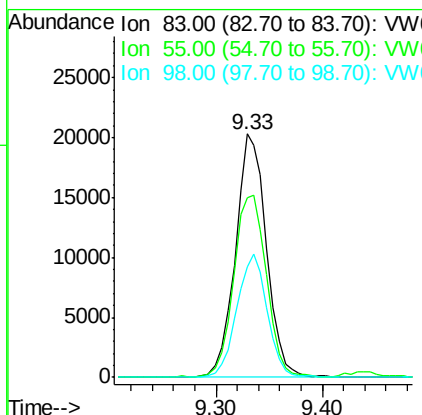
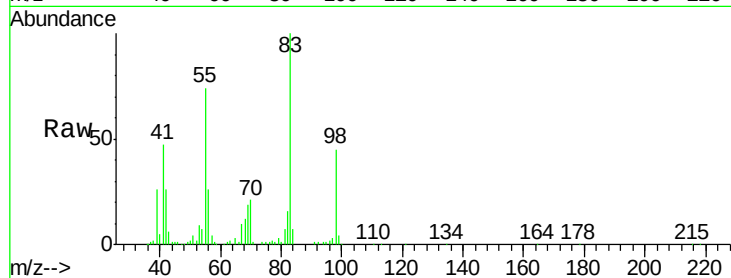




#39
Methylvlcyclohexane
Concen: 20.464 ug/l
RT: 9.33 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW008302.D
Acq: 16 Jan 2019 12:28

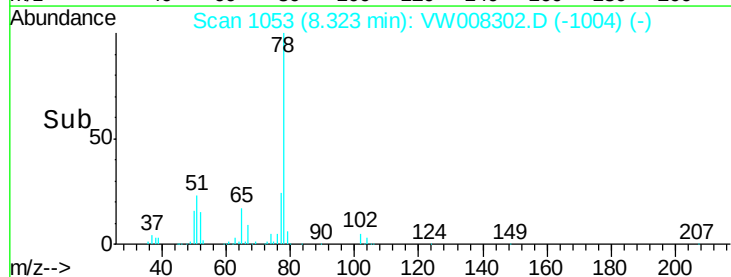
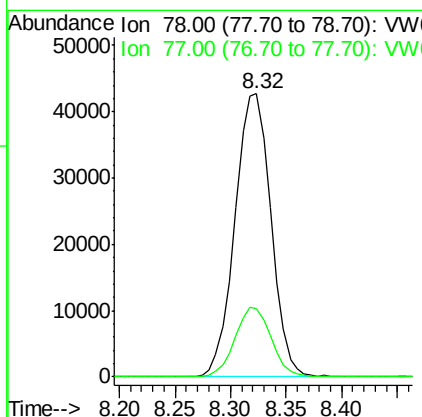
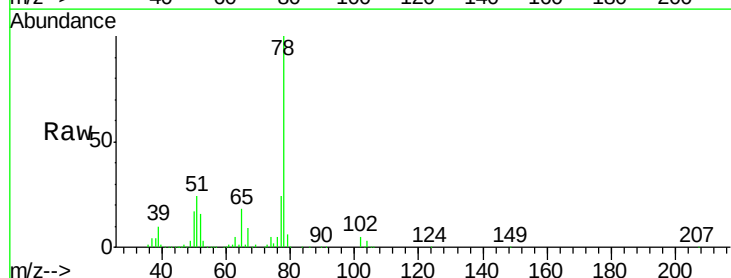
Instrument :
MSVOA_W
ClientSampled :
VW0116SBS01

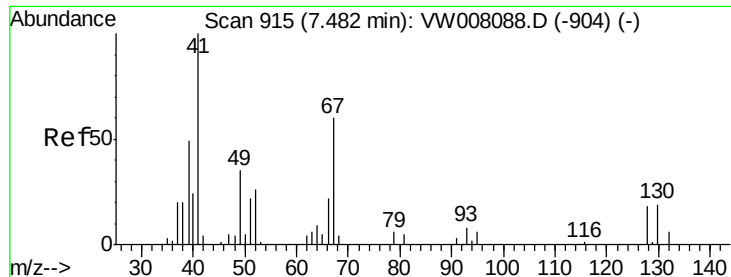
Tot Ion: 83 Resp: 41348
Ion Ratio Lower Upper
83 100
55 73.7 67.8 101.6
98 45.3 40.2 60.4



#40
Benzene
Concen: 22.203 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW008302.D
Acq: 16 Jan 2019 12:28

Tgt Ion: 78 Resp: 95964
Ion Ratio Lower Upper
78 100
77 24.1 20.2 30.4





#41

Methacrylonitrile

Concen: 15.238 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW008302.D

Acq: 16 Jan 2019 12:28

Instrument :

MSVOA_W

ClientSampled :

VW0116SBS01

Tot Ion: 41 Resp: 6145

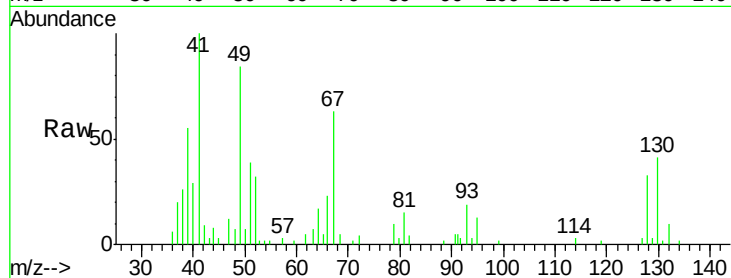
Ion Ratio Lower Upper

41 100

39 61.6 47.9 71.9

67 86.1 56.3 84.5#

52 41.5 24.5 36.7#

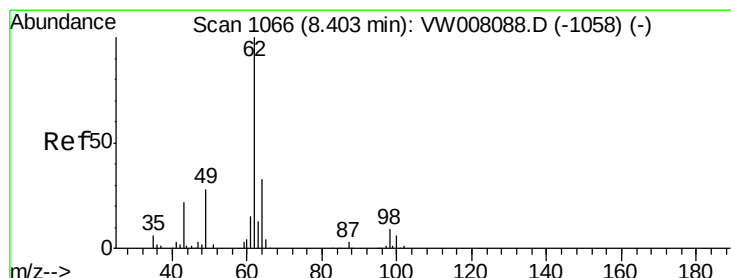
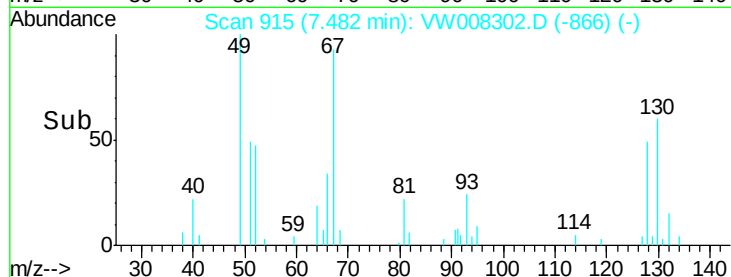
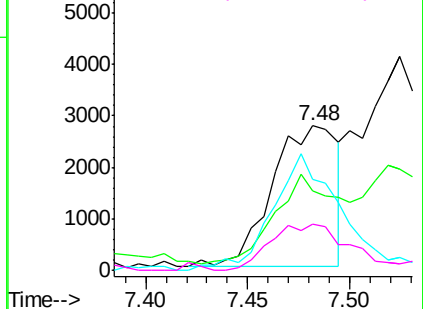


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 21.164 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.01 min

Lab File: VW008302.D

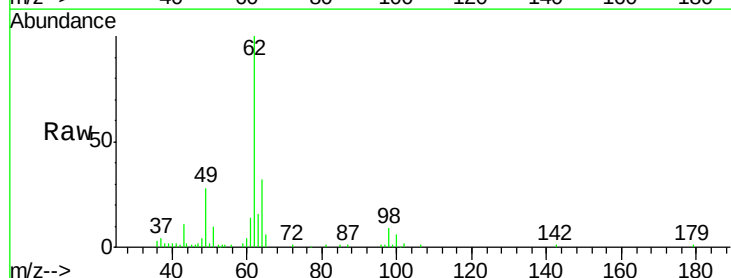
Acq: 16 Jan 2019 12:28

Tgt Ion: 62 Resp: 25727

Ion Ratio Lower Upper

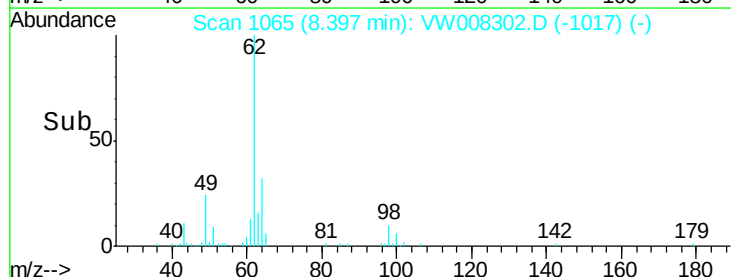
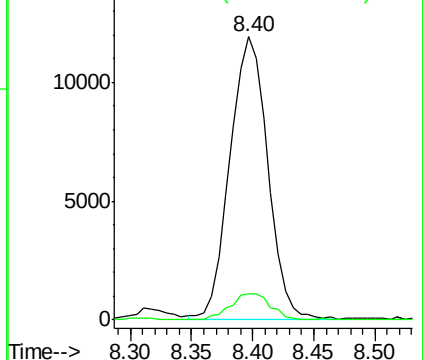
62 100

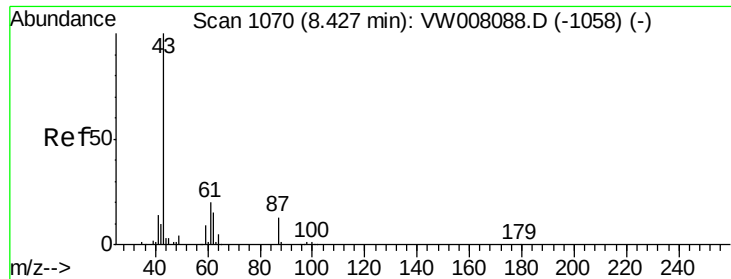
98 9.8 0.0 18.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 17.957 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW008302.D

Acq: 16 Jan 2019 12:28

Instrument :

MSVOA_W

ClientSampleId :

VW0116SBS01

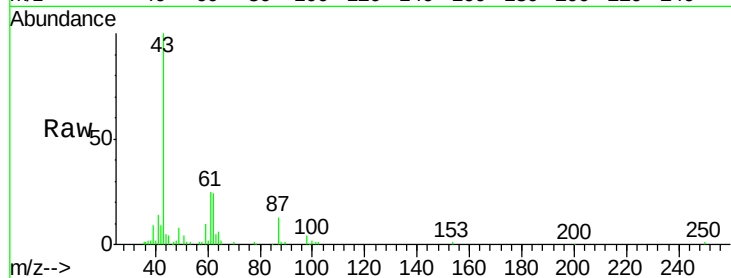
Tot Ion: 43 Resp: 22921

Ion Ratio Lower Upper

43 100

61 34.3 24.8 37.2

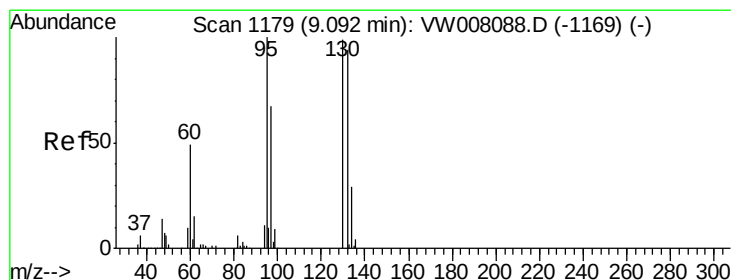
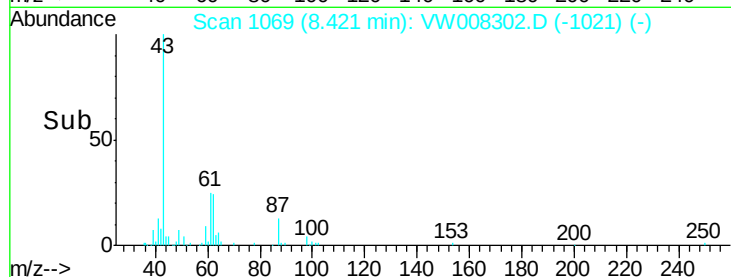
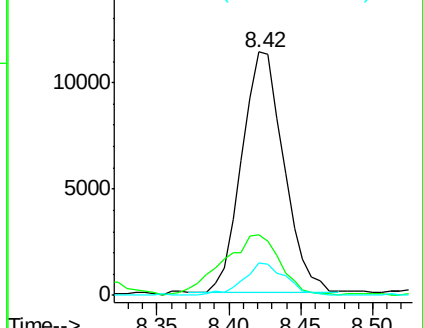
87 13.3 10.4 15.6



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: 22.937 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW008302.D

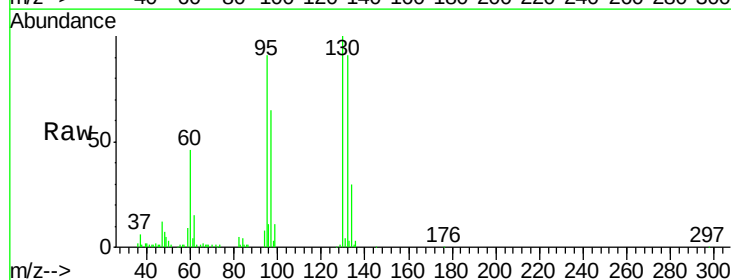
Acq: 16 Jan 2019 12:28

Tgt Ion: 130 Resp: 25377

Ion Ratio Lower Upper

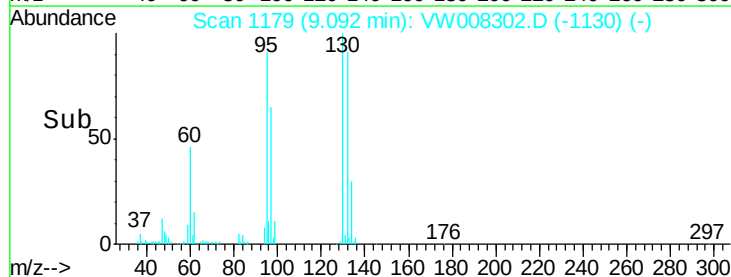
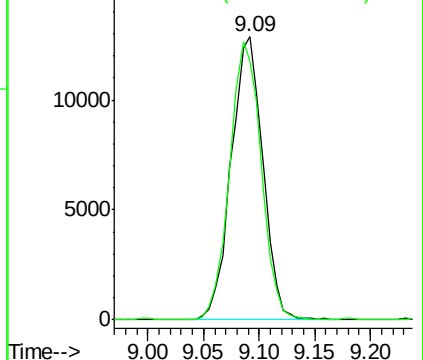
130 100

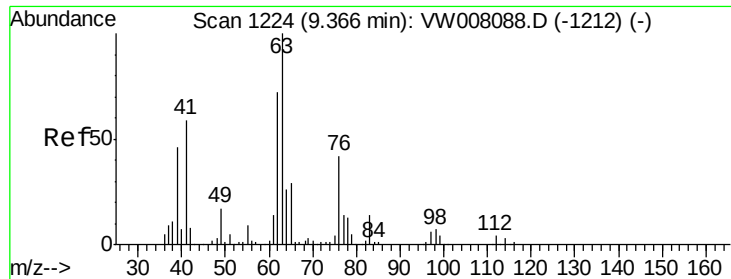
95 91.4 0.0 202.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

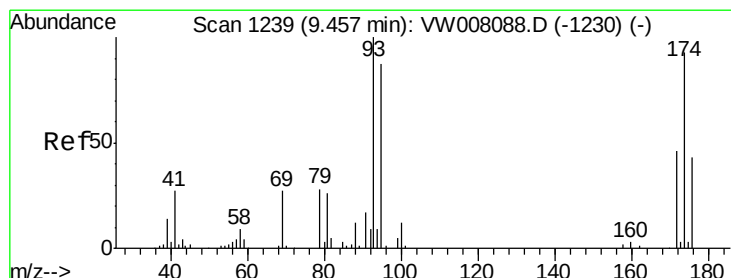
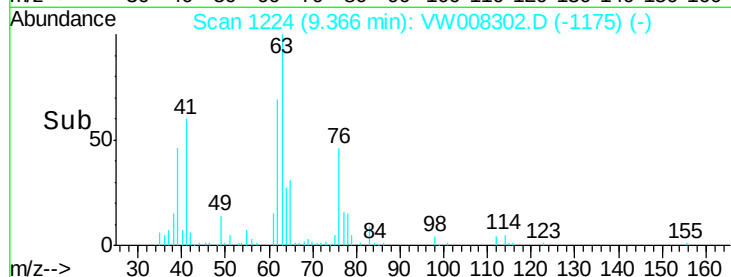
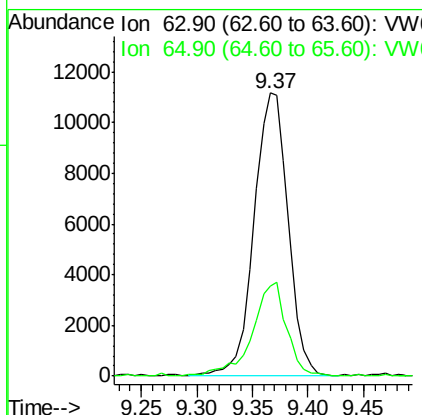
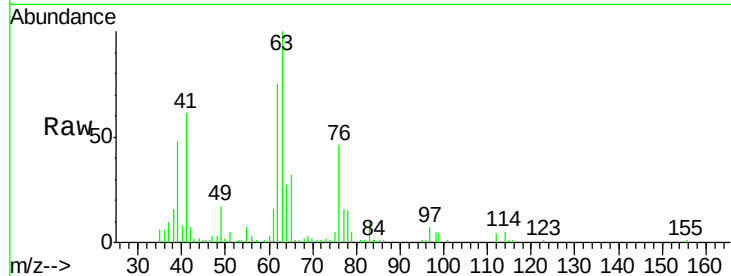




#45
 1,2-Dichloropropane
 Concen: 22.198 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW008302.D
 Acq: 16 Jan 2019 12:28

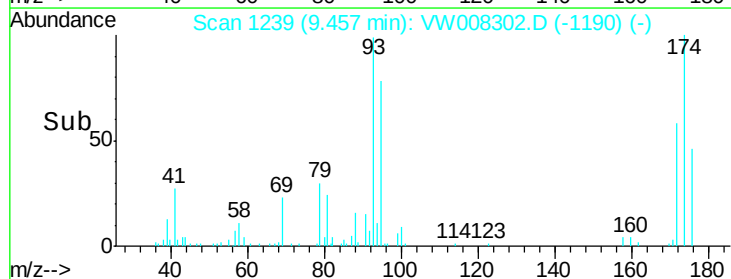
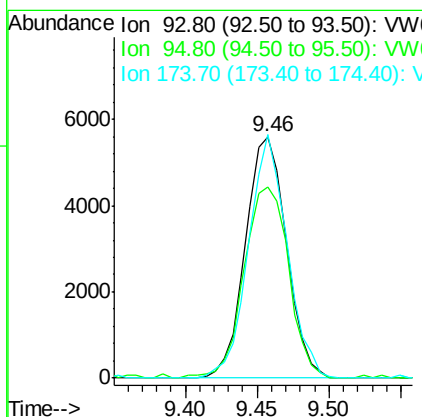
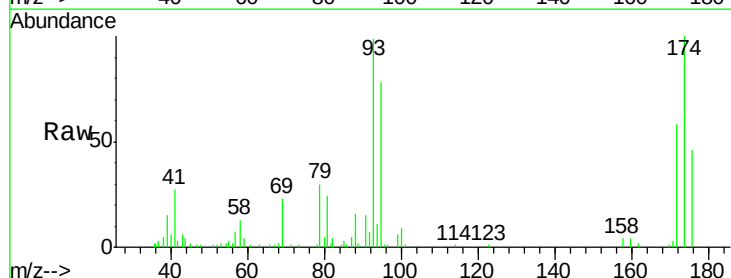
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0116SBS01

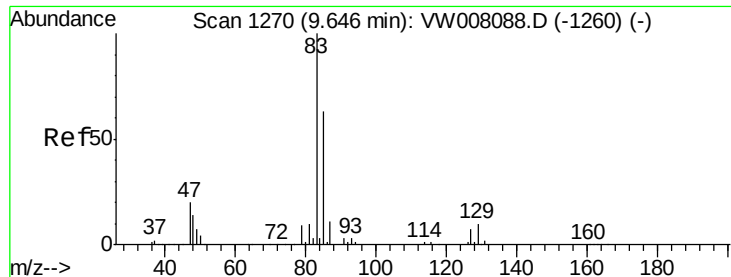
Tot Ion: 63 Resp: 23789
 Ion Ratio Lower Upper
 63 100
 65 31.8 23.3 34.9



#46
 Dibromomethane
 Concen: 20.963 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW008302.D
 Acq: 16 Jan 2019 12:28

Tgt Ion: 93 Resp: 11033
 Ion Ratio Lower Upper
 93 100
 95 86.2 67.5 101.3
 174 94.6 72.5 108.7





#47

Bromodichloromethane

Concen: 22.387 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW008302.D

Acq: 16 Jan 2019 12:28

Instrument :

MSVOA_W

ClientSampleId :

VW0116SBS01

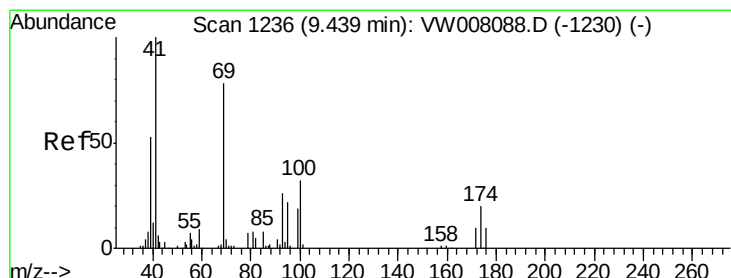
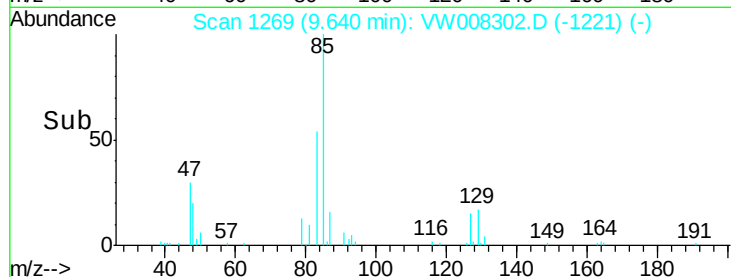
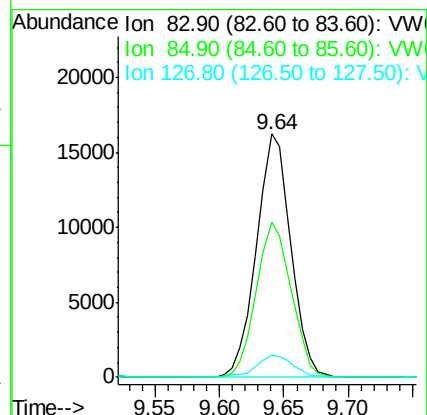
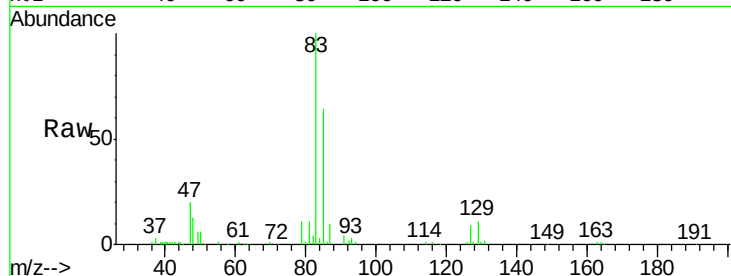
Tot Ion: 83 Resp: 29918

Ion Ratio Lower Upper

83 100

85 63.6 50.7 76.1

127 9.2 6.0 9.0#



#48

Methyl methacrylate

Concen: 18.524 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW008302.D

Acq: 16 Jan 2019 12:28

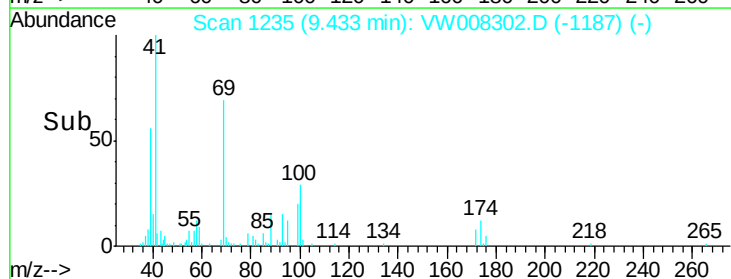
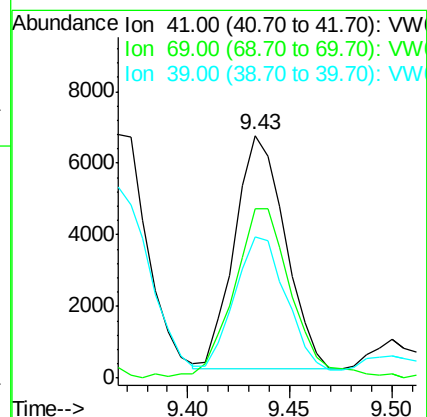
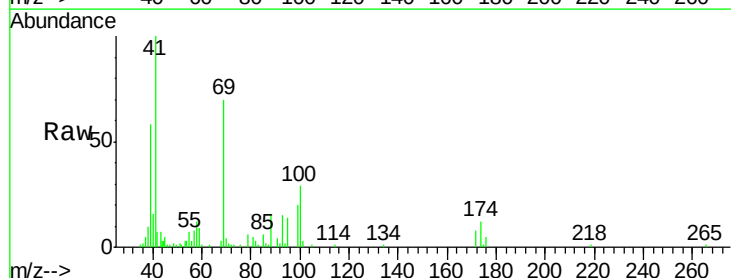
Tgt Ion: 41 Resp: 11157

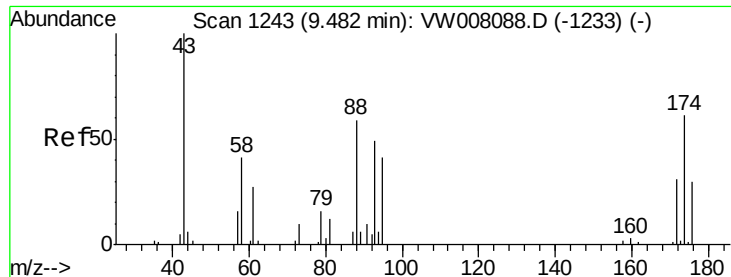
Ion Ratio Lower Upper

41 100

69 84.8 61.9 92.9

39 58.0 43.0 64.4

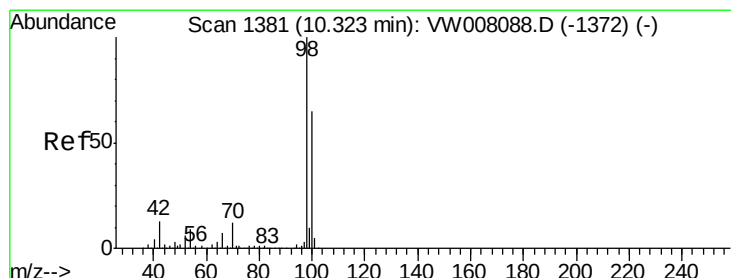
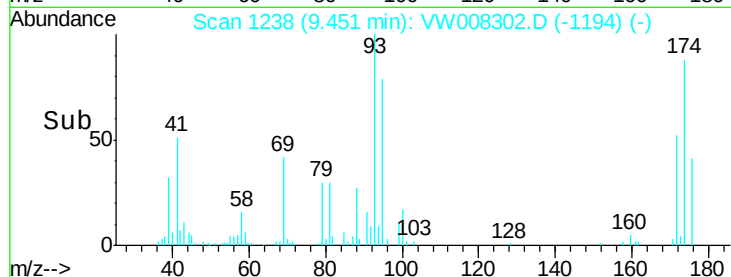
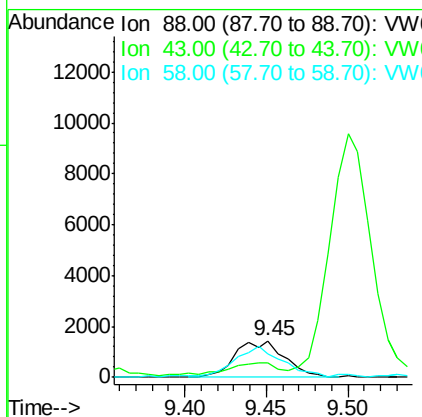
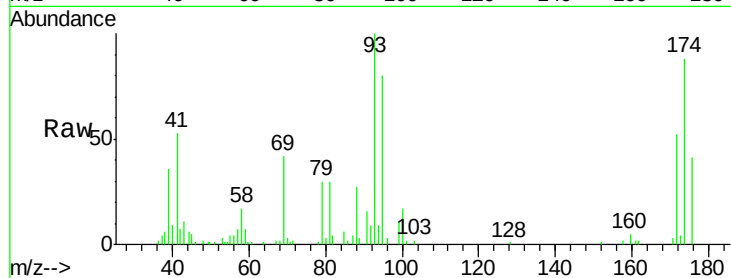




#49
 1,4-Dioxane
 Concen: 352.080 ug/l
 RT: 9.45 min Scan# 1238
 Delta R.T. -0.03 min
 Lab File: VW008302.D
 Acq: 16 Jan 2019 12:28

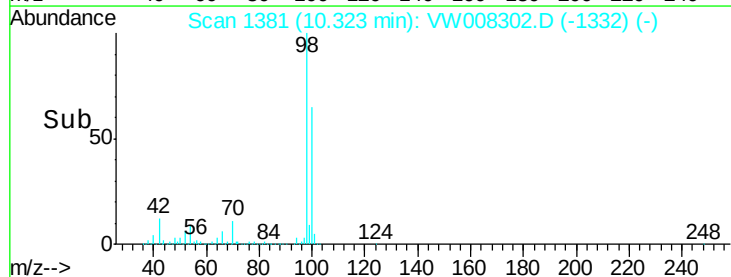
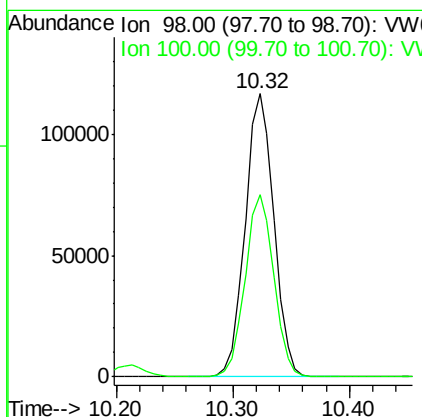
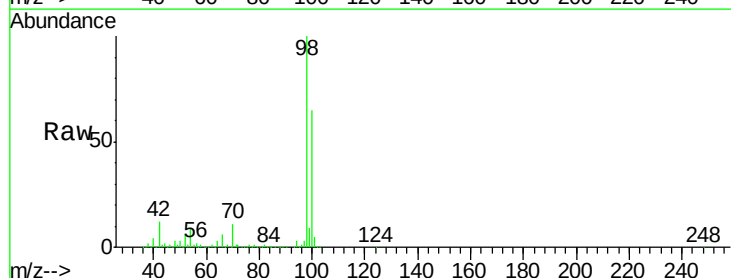
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0116SBS01

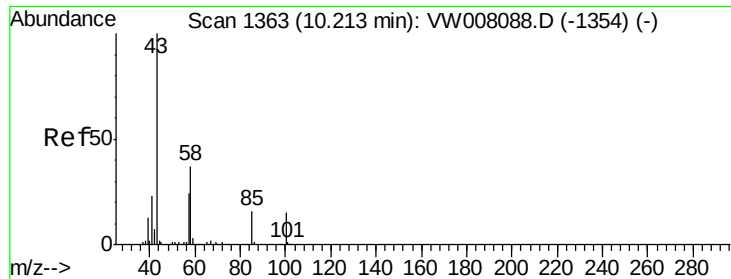
Tot Ion: 88 Resp: 2980
 Ion Ratio Lower Upper
 88 100
 43 36.1 0.0 0.0#
 58 85.8 61.7 92.5



#50
 Toluene-d8
 Concen: 53.069 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW008302.D
 Acq: 16 Jan 2019 12:28

Tgt Ion: 98 Resp: 200927
 Ion Ratio Lower Upper
 98 100
 100 64.5 51.7 77.5

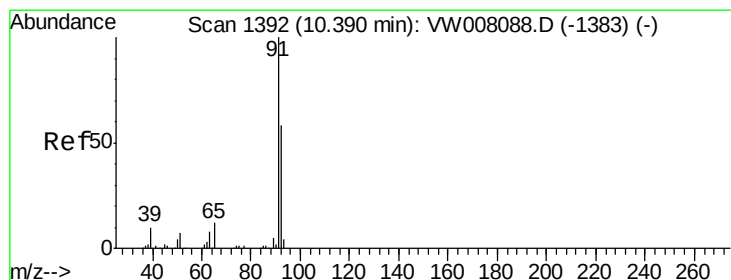
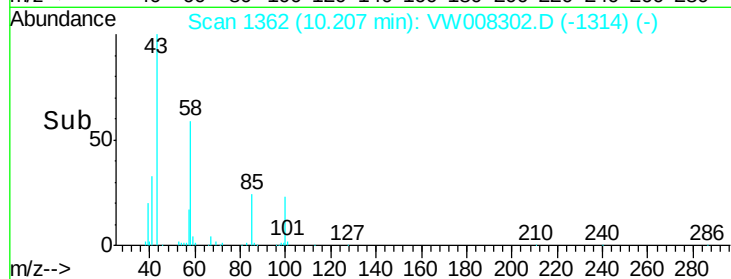
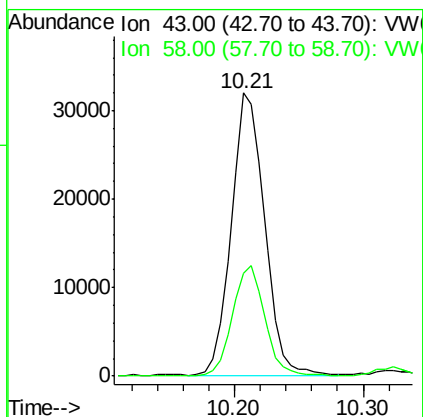
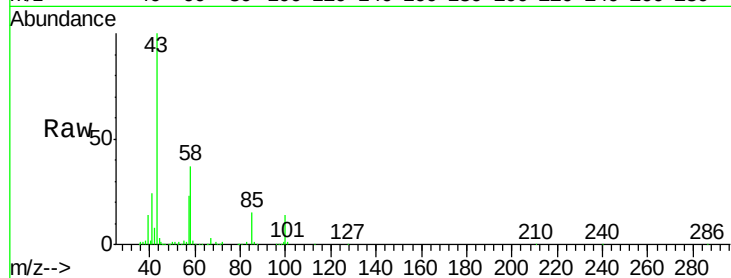




#51
 4-Methyl-2-Pentanone
 Concen: 92.987 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.01 min
 Lab File: VW008302.D
 Acq: 16 Jan 2019 12:28

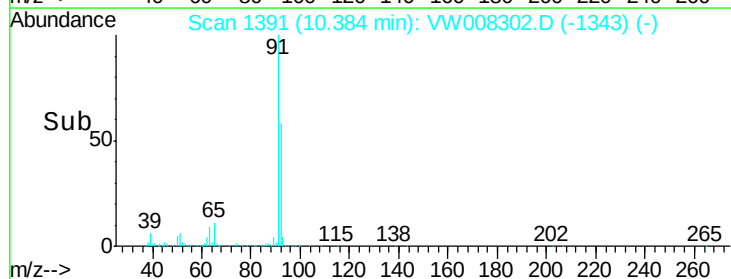
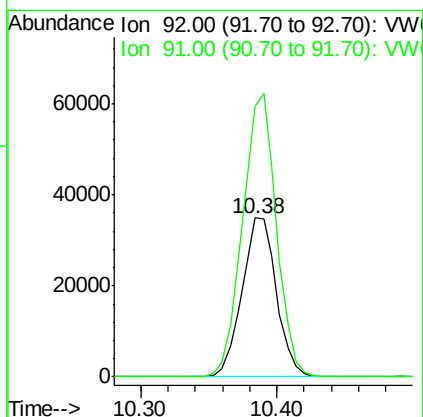
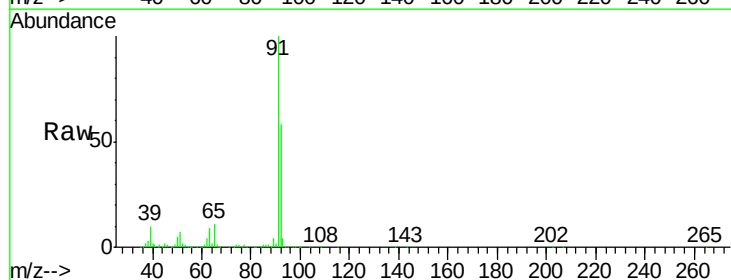
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0116SBS01

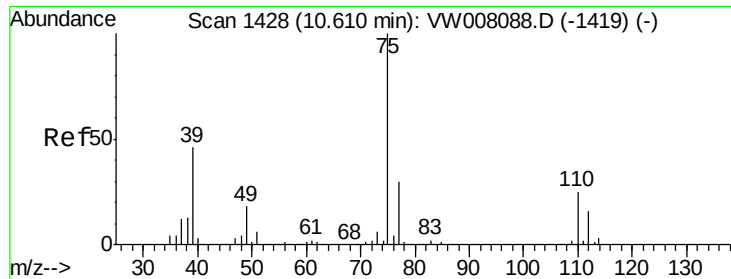
Tot Ion: 43 Resp: 57453
 Ion Ratio Lower Upper
 43 100
 58 38.4 30.6 46.0



#52
 Toluene
 Concen: 22.253 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VW008302.D
 Acq: 16 Jan 2019 12:28

Tgt Ion: 92 Resp: 61423
 Ion Ratio Lower Upper
 92 100
 91 175.7 137.0 205.4





#53

t-1,3-Dichloropropene

Concen: 21.095 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.01 min

Lab File: VW008302.D

Acq: 16 Jan 2019 12:28

Instrument :

MSVOA_W

ClientSampleId :

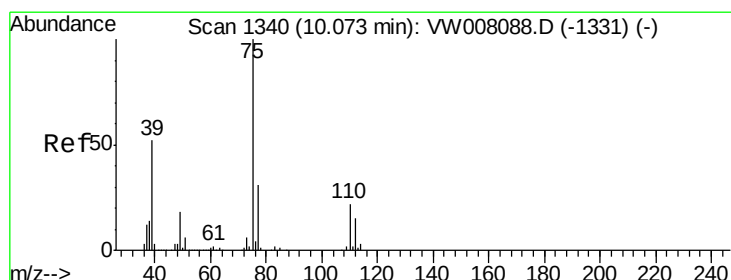
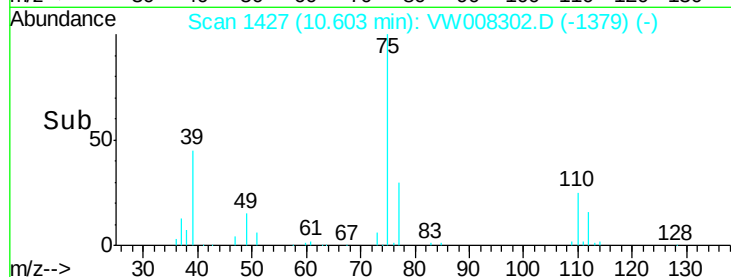
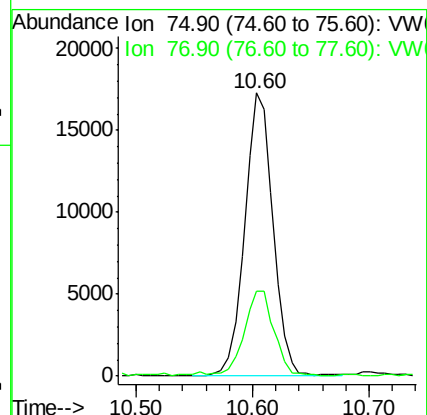
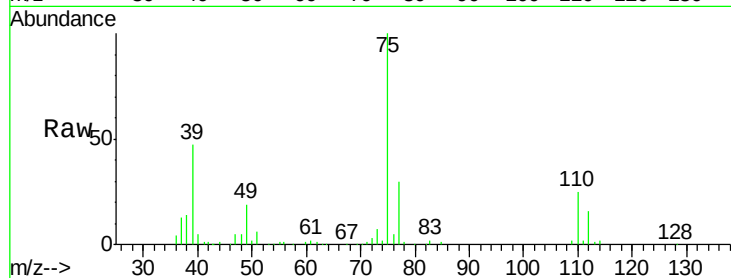
VW0116SBS01

Tot Ion: 75 Resp: 29324

Ion Ratio Lower Upper

75 100

77 29.3 24.4 36.6



#54

cis-1,3-Dichloropropene

Concen: 21.323 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW008302.D

Acq: 16 Jan 2019 12:28

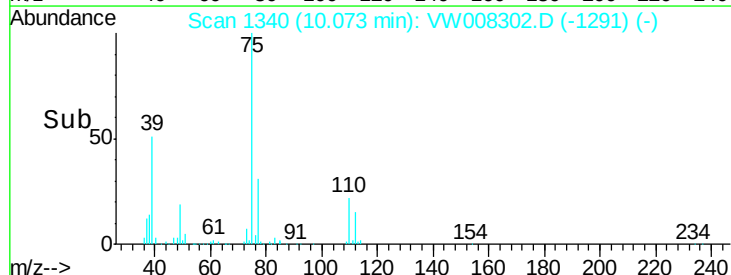
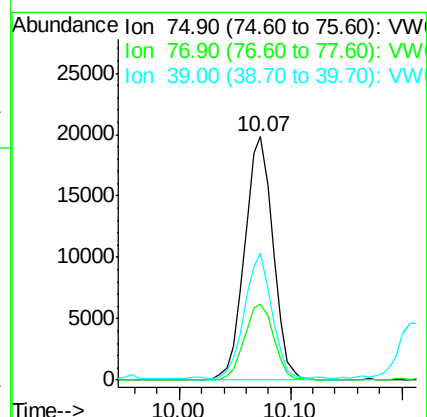
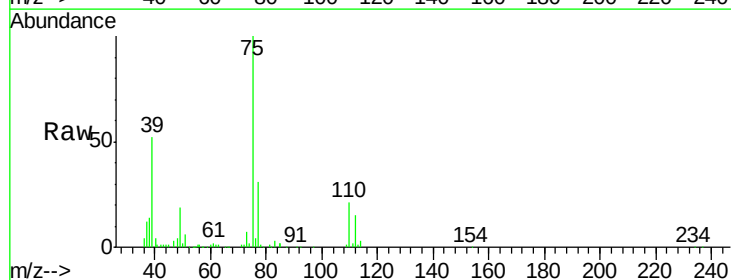
Tgt Ion: 75 Resp: 35149

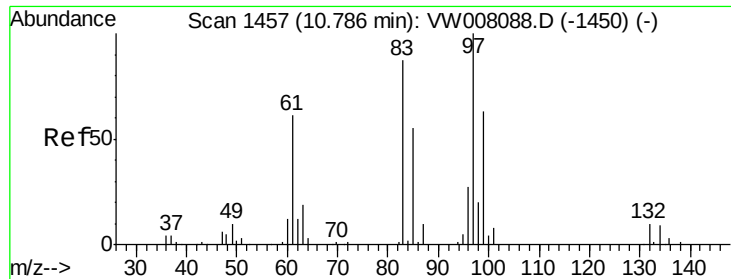
Ion Ratio Lower Upper

75 100

77 31.1 25.2 37.8

39 51.4 41.4 62.0

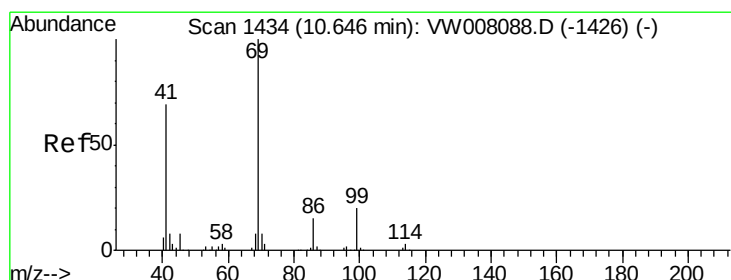
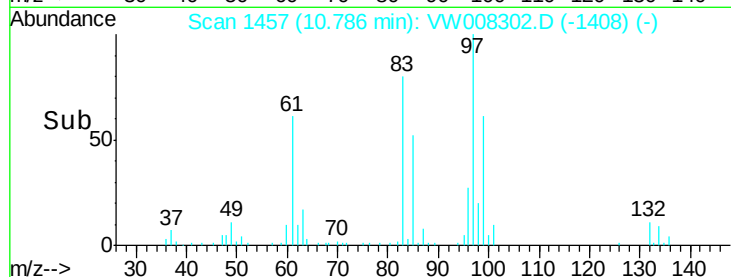
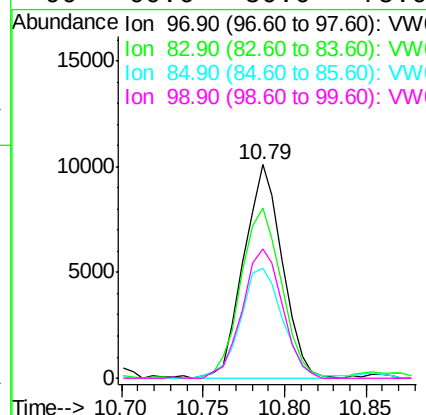
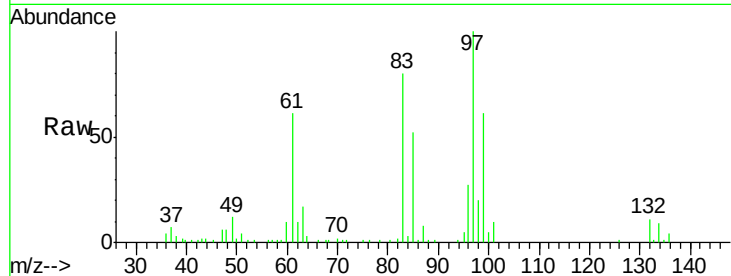




#55
 1,1,2-Trichloroethane
 Concen: 22.577 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW008302.D
 Acq: 16 Jan 2019 12:28

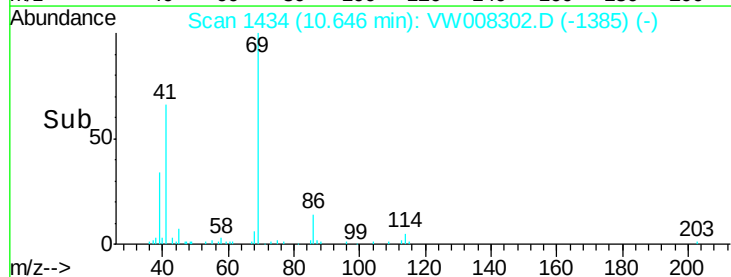
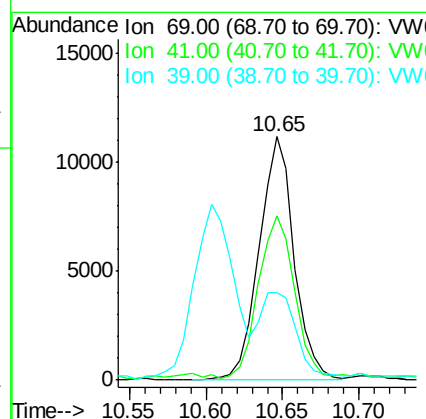
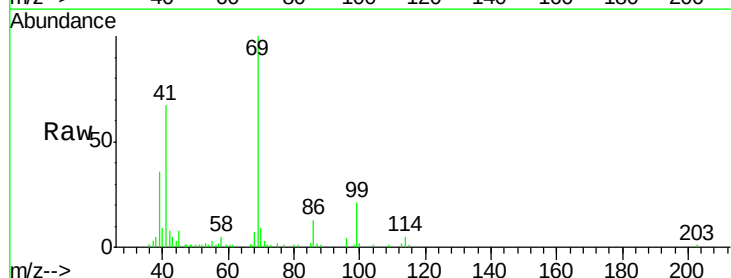
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0116SBS01

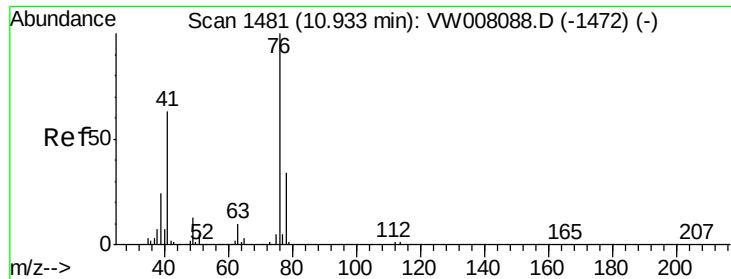
Tot Ion:	97	Resp:	16683
Ion	Ratio	Lower	Upper
97	100		
83	80.0	69.3	103.9
85	51.6	43.8	65.6
99	60.6	50.0	75.0



#56
 Ethyl methacrylate
 Concen: 19.438 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW008302.D
 Acq: 16 Jan 2019 12:28

Tgt Ion:	69	Resp:	17788
Ion	Ratio	Lower	Upper
69	100		
41	67.7	56.4	84.6
39	35.7	28.1	42.1





#57

1,3-Dichloropropane

Concen: 21.737 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW008302.D

Acq: 16 Jan 2019 12:28

Instrument :

MSVOA_W

ClientSampleId :

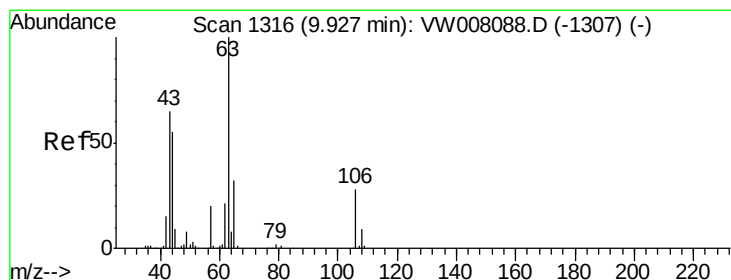
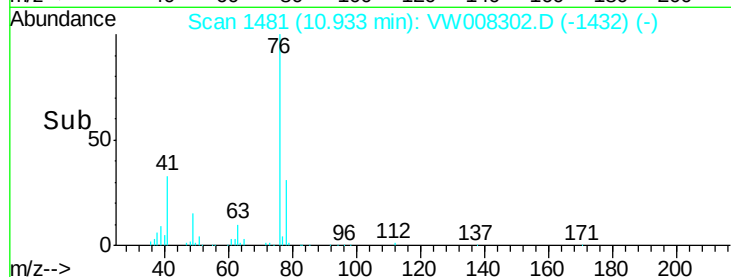
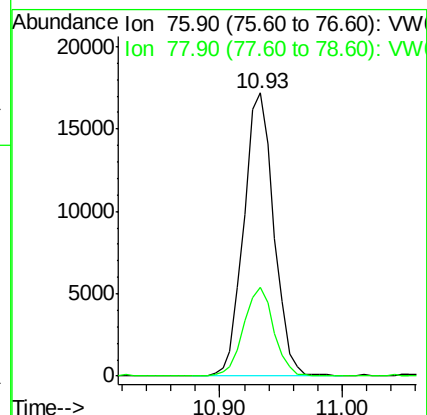
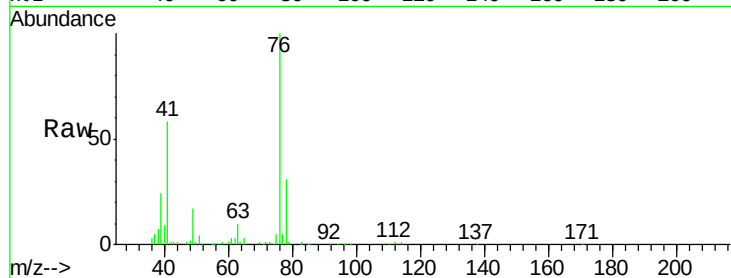
VW0116SBS01

Tot Ion: 76 Resp: 29376

Ion Ratio Lower Upper

76 100

78 31.4 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 93.967 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VW008302.D

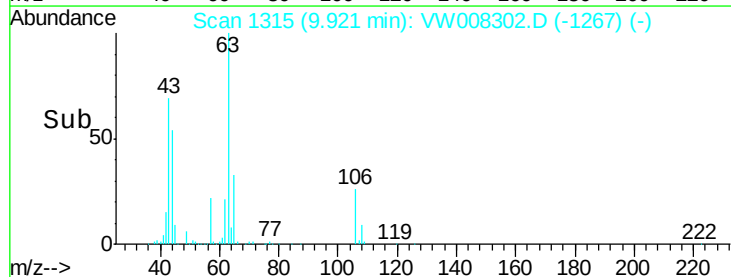
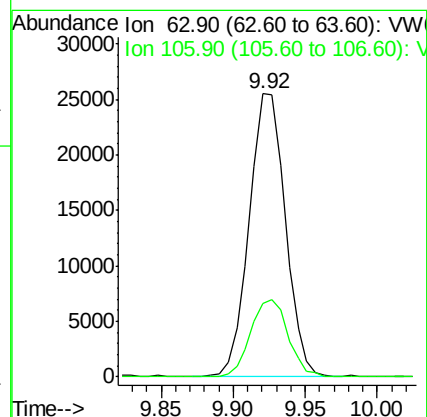
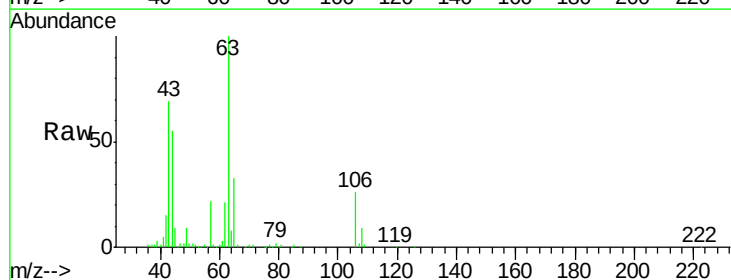
Acq: 16 Jan 2019 12:28

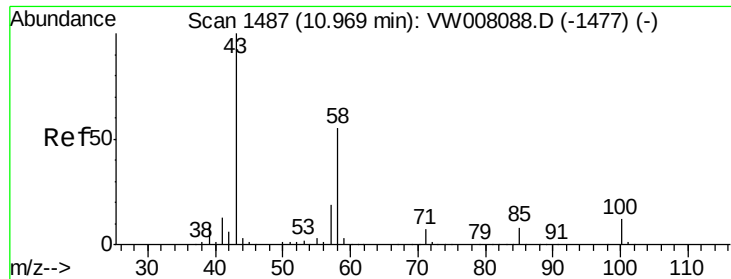
Tgt Ion: 63 Resp: 44418

Ion Ratio Lower Upper

63 100

106 28.1 21.8 32.6

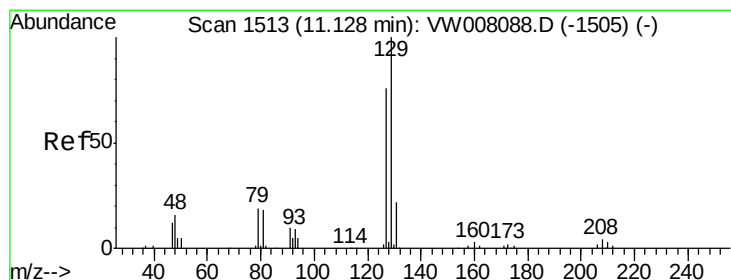
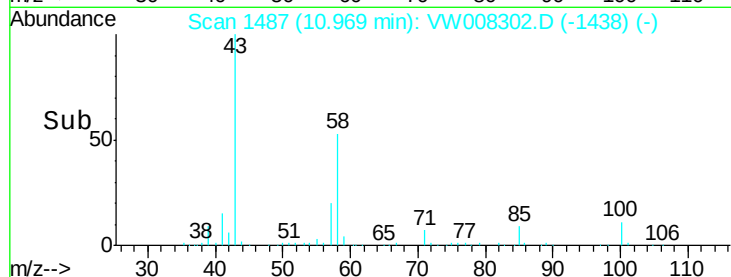
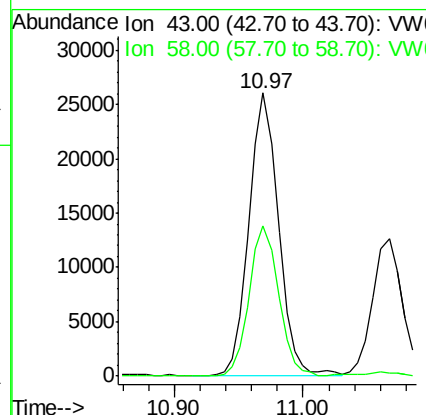
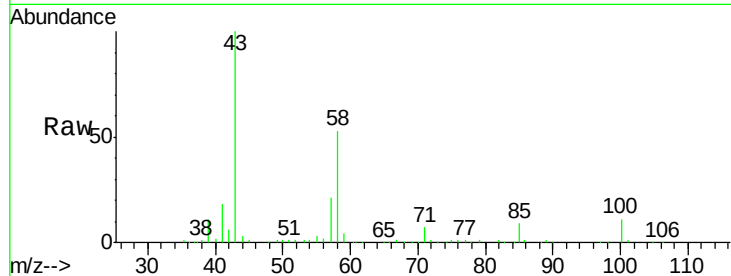




#59
2-Hexanone
Concen: 99.202 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW008302.D
Acq: 16 Jan 2019 12:28

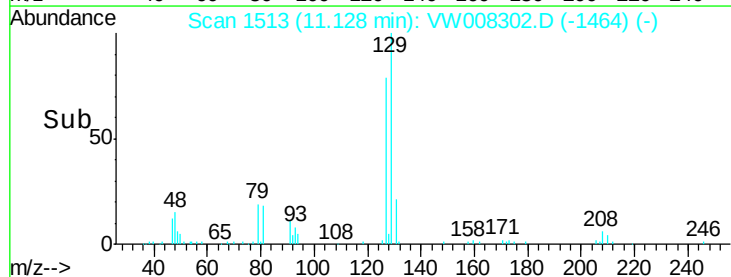
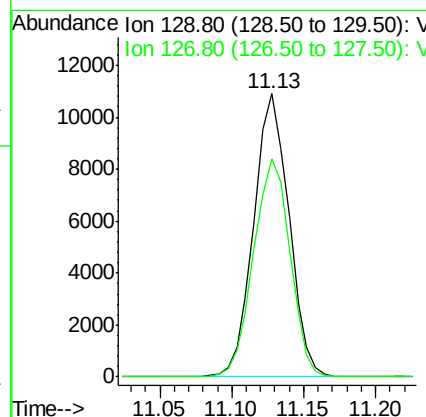
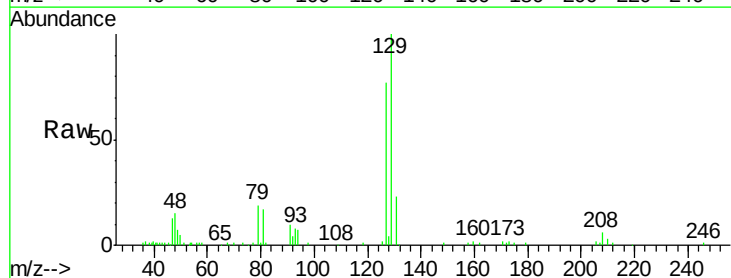
Instrument :
MSVOA_W
ClientSampleId :
VW0116SBS01

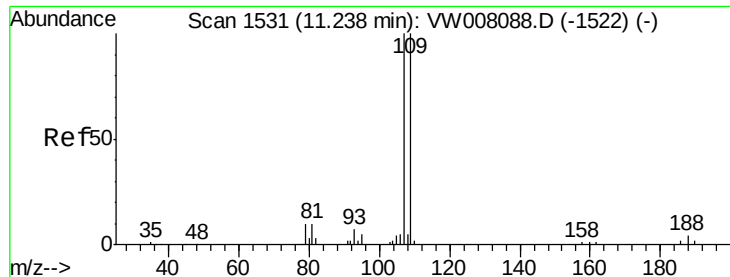
Tot Ion: 43 Resp: 41449
Ion Ratio Lower Upper
43 100
58 52.9 27.2 81.5



#60
Dibromochloromethane
Concen: 22.725 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW008302.D
Acq: 16 Jan 2019 12:28

Tgt Ion: 129 Resp: 18440
Ion Ratio Lower Upper
129 100
127 79.7 38.9 116.6





#61

1,2-Dibromoethane

Concen: 22.012 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW008302.D

Acq: 16 Jan 2019 12:28

Instrument :

MSVOA_W

ClientSampleId :

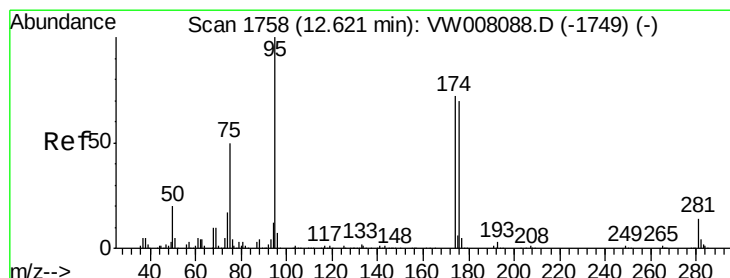
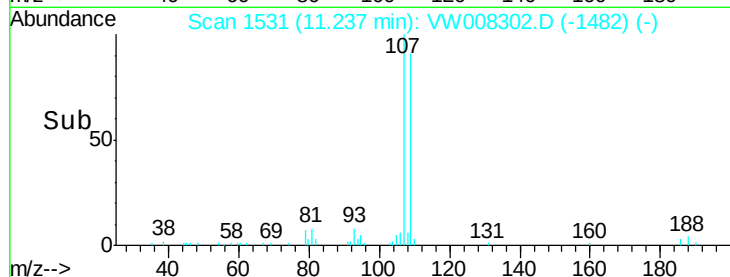
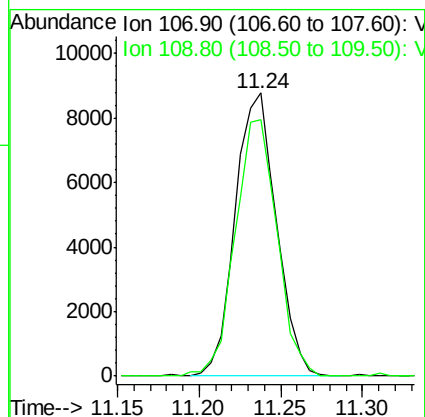
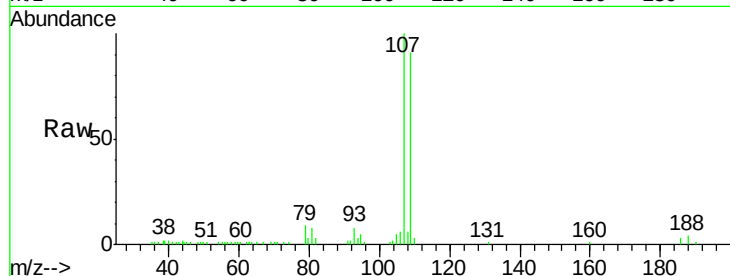
VW0116SBS01

Tot Ion:107 Resp: 15434

Ion Ratio Lower Upper

107 100

109 92.3 75.9 113.9



#62

4-Bromofluorobenzene

Concen: 52.504 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008302.D

Acq: 16 Jan 2019 12:28

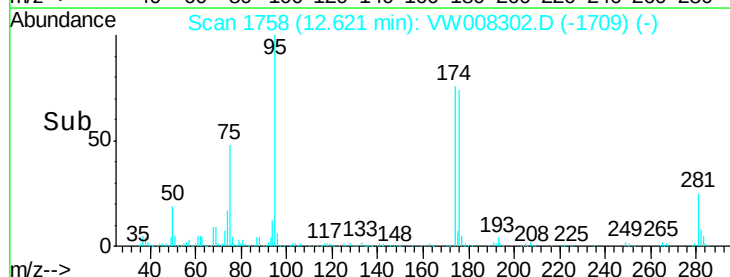
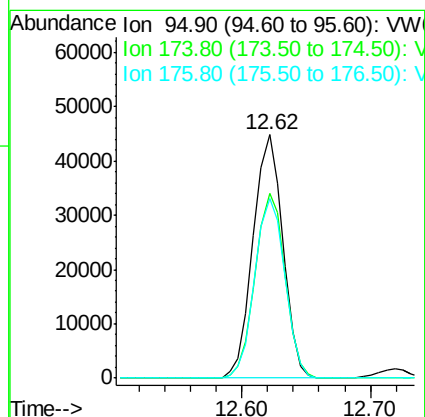
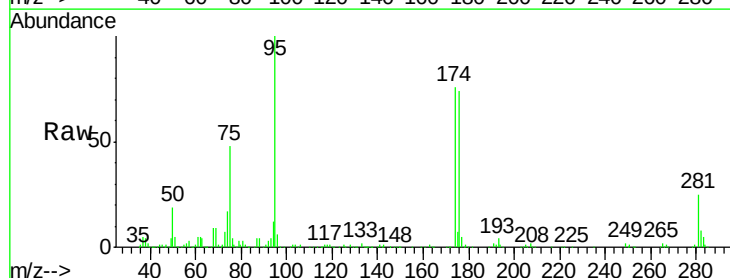
Tgt Ion: 95 Resp: 71265

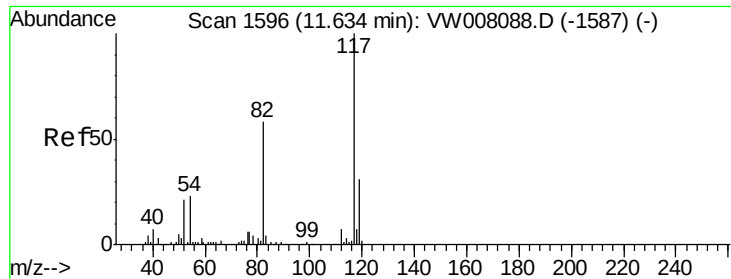
Ion Ratio Lower Upper

95 100

174 76.3 0.0 143.0

176 74.9 0.0 140.2

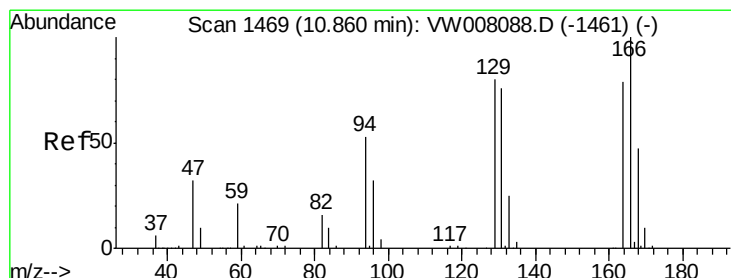
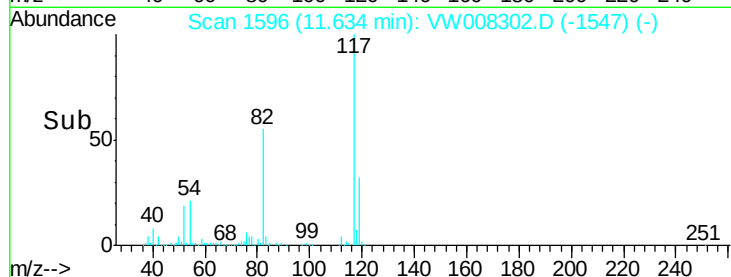
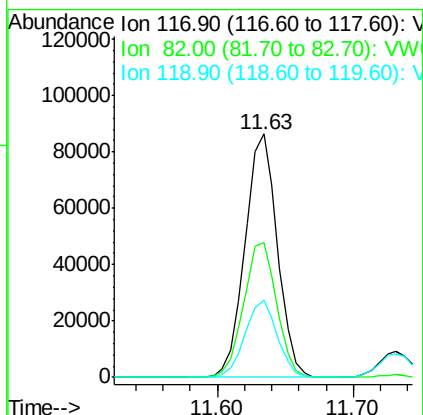
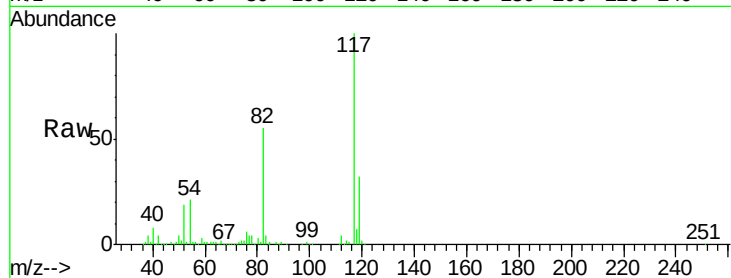




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008302.D
Acq: 16 Jan 2019 12:28

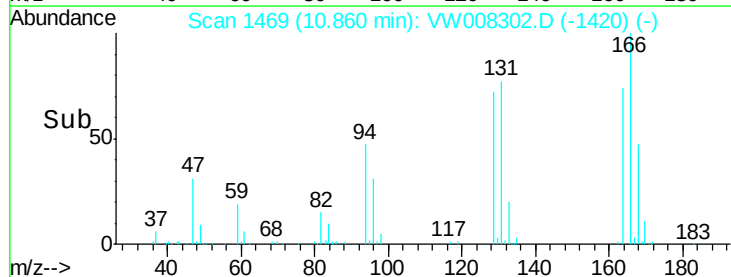
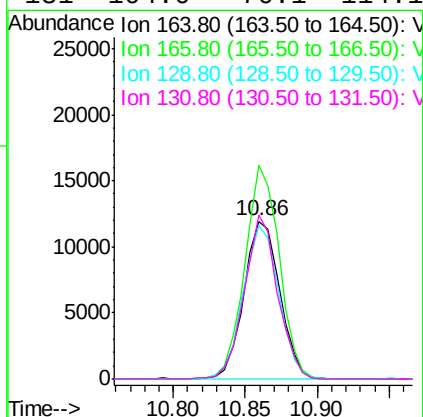
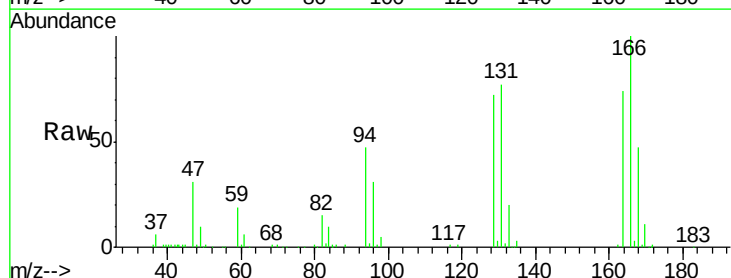
Instrument :
MSVOA_W
ClientSampleId :
VW0116SBS01

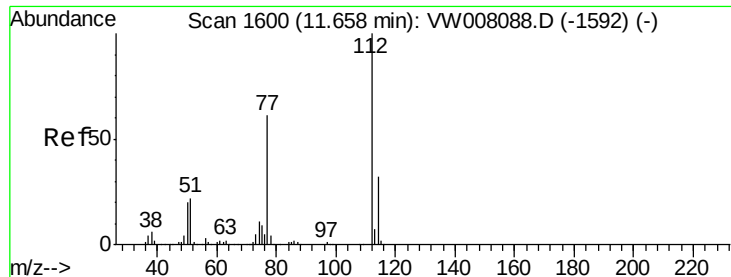
Tot Ion:117 Resp: 143673
Ion Ratio Lower Upper
117 100
82 55.1 46.4 69.6
119 31.6 24.7 37.1



#64
Tetrachloroethene
Concen: 21.949 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW008302.D
Acq: 16 Jan 2019 12:28

Tgt Ion:164 Resp: 20523
Ion Ratio Lower Upper
164 100
166 135.5 100.7 151.1
129 97.6 81.0 121.4
131 104.0 76.1 114.1

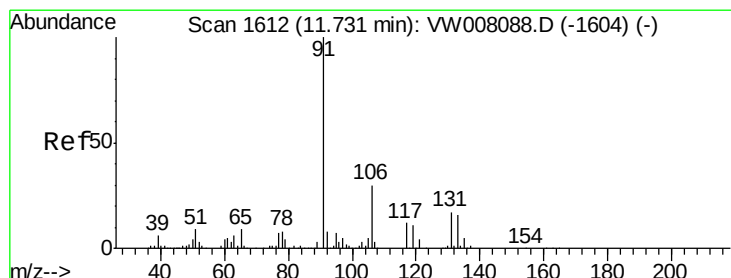
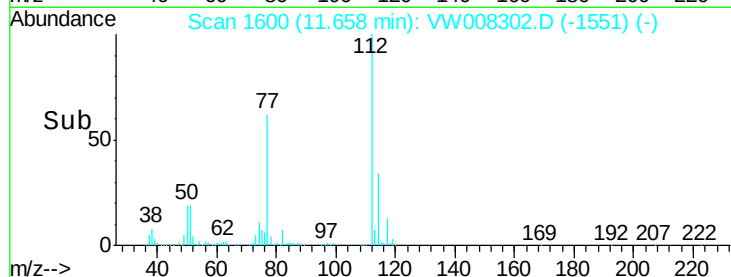
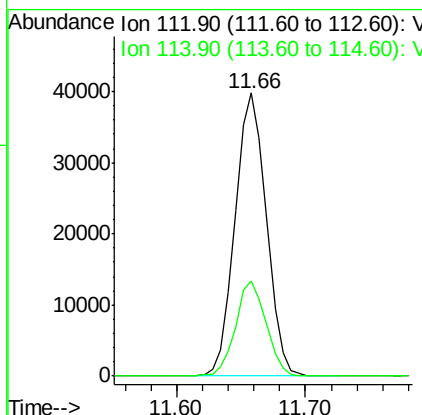
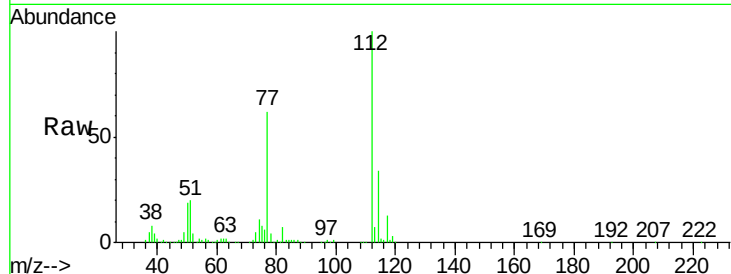




#65
Chlorobenzene
Concen: 21.989 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW008302.D
Acq: 16 Jan 2019 12:28

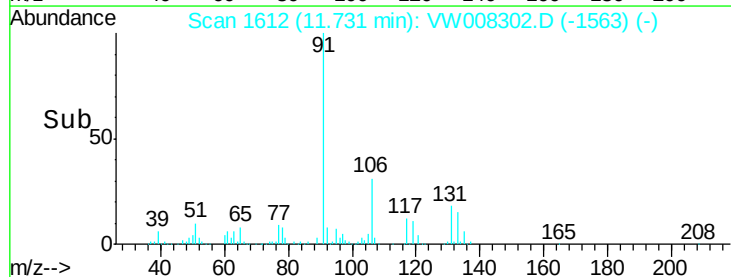
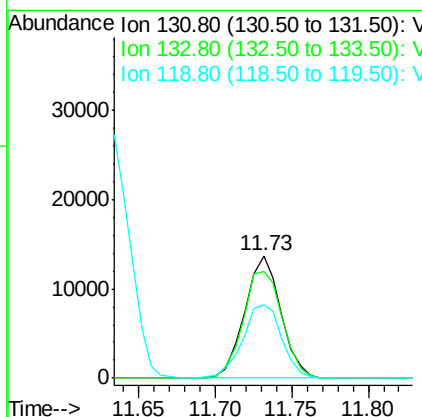
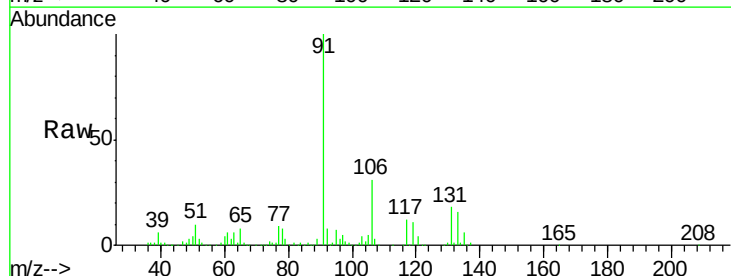
Instrument :
MSVOA_W
ClientSampleId :
VW0116SBS01

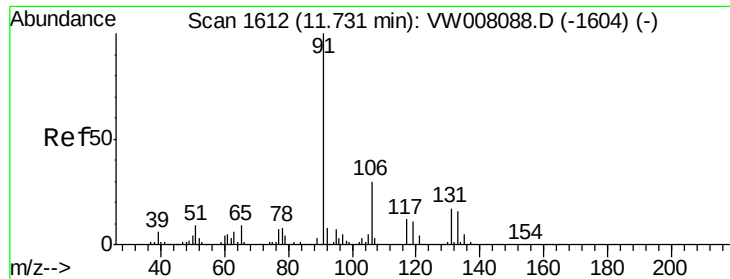
Tot Ion:112 Resp: 66930
Ion Ratio Lower Upper
112 100
114 33.8 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 22.575 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008302.D
Acq: 16 Jan 2019 12:28

Tgt Ion:131 Resp: 22350
Ion Ratio Lower Upper
131 100
133 95.2 47.9 143.7
119 65.3 32.5 97.4

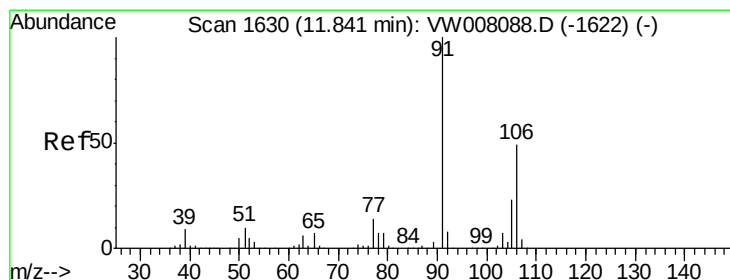
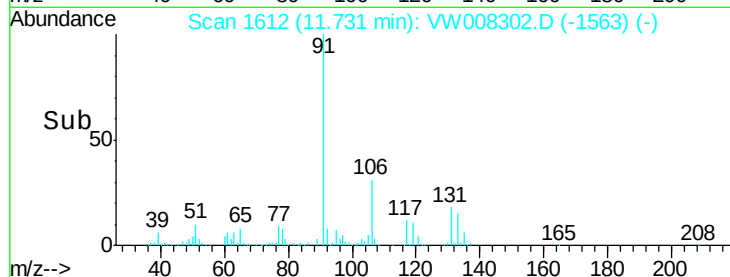
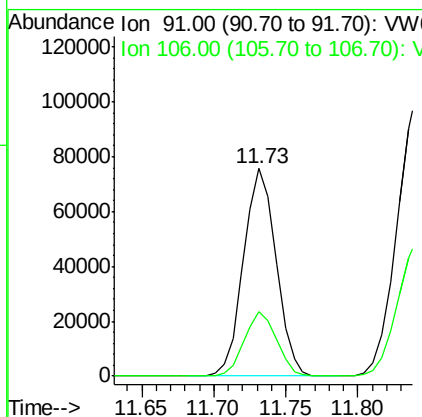
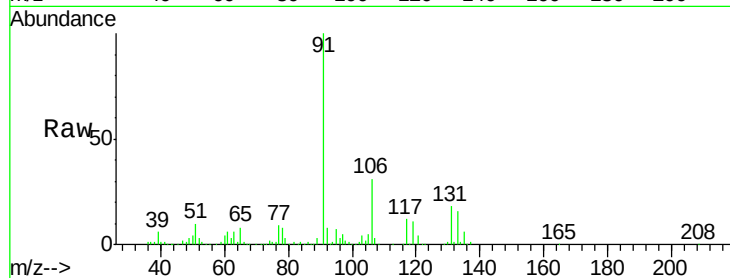




#67
Ethyl Benzene
Concen: 21.343 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008302.D
Acq: 16 Jan 2019 12:28

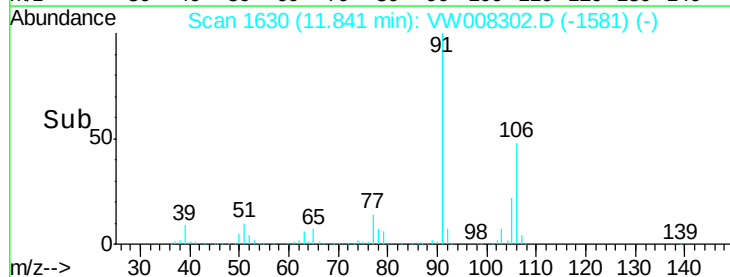
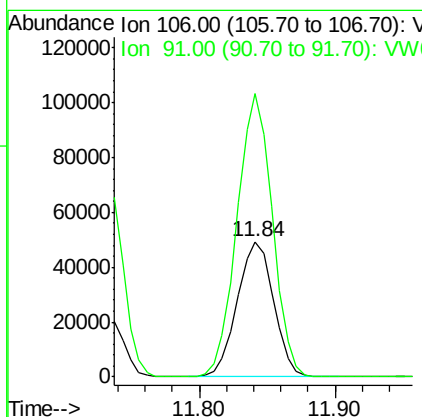
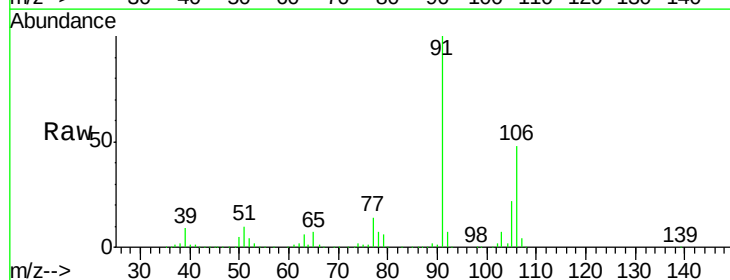
Instrument :
MSVOA_W
ClientSampleId :
VW0116SBS01

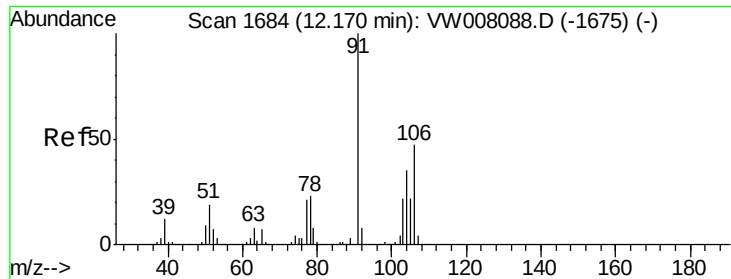
Tot Ion: 91 Resp: 118868
Ion Ratio Lower Upper
91 100
106 30.9 24.2 36.4



#68
m/p-Xylenes
Concen: 43.300 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW008302.D
Acq: 16 Jan 2019 12:28

Tgt Ion: 106 Resp: 92046
Ion Ratio Lower Upper
106 100
91 204.1 162.4 243.6

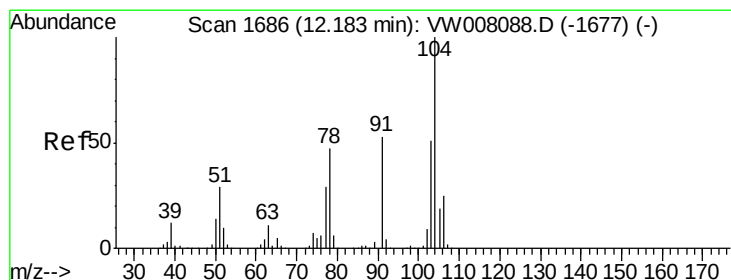
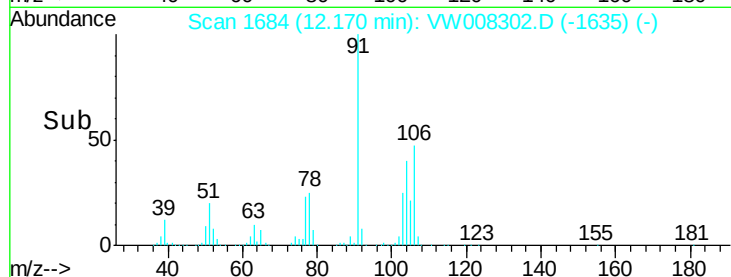
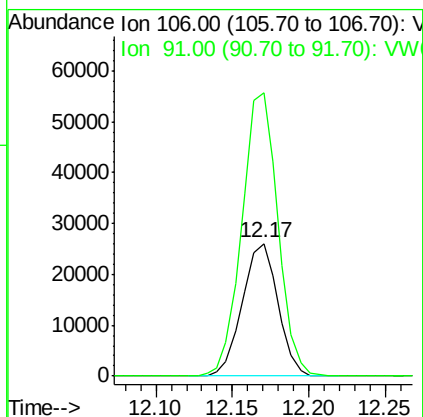
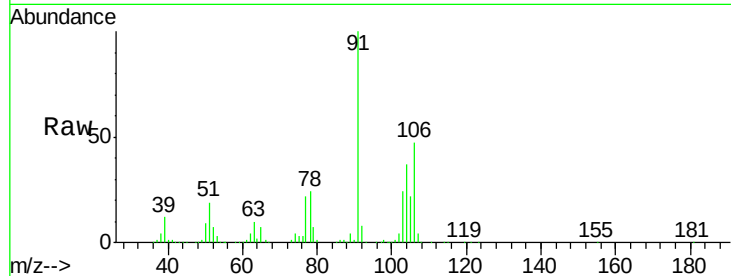




#69
o-Xylene
Concen: 21.488 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW008302.D
Acq: 16 Jan 2019 12:28

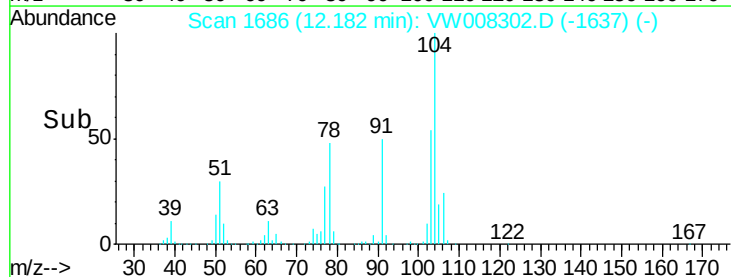
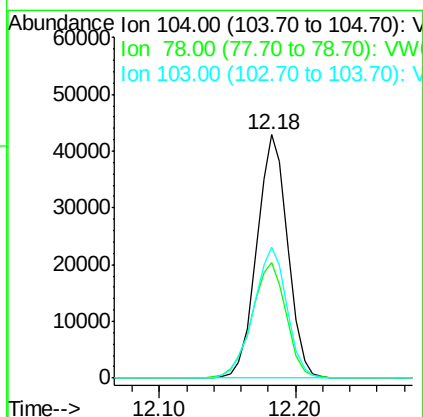
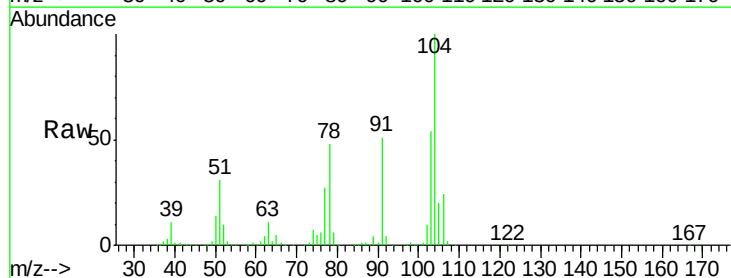
Instrument :
MSVOA_W
ClientSampleId :
VW0116SBS01

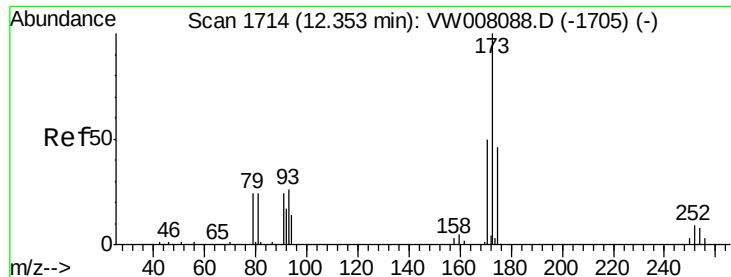
Tot Ion:106 Resp: 42299
Ion Ratio Lower Upper
106 100
91 214.9 107.8 323.6



#70
Styrene
Concen: 22.104 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW008302.D
Acq: 16 Jan 2019 12:28

Tgt Ion:104 Resp: 68156
Ion Ratio Lower Upper
104 100
78 53.1 41.8 62.8
103 58.4 43.8 65.8





#71

Bromoform

Concen: 22.253 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW008302.D

Acq: 16 Jan 2019 12:28

Instrument :

MSVOA_W

ClientSampleId :

VW0116SBS01

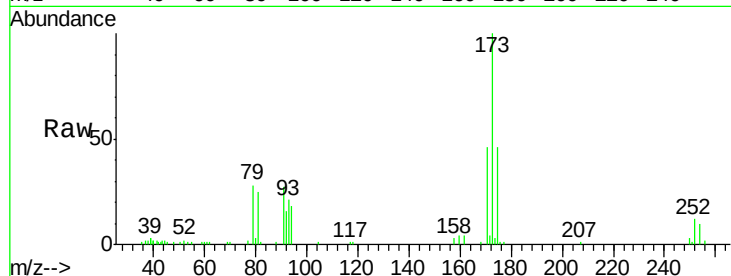
Tot Ion:173 Resp: 9860

Ion Ratio Lower Upper

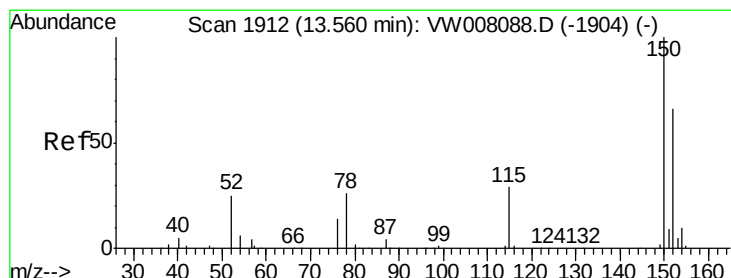
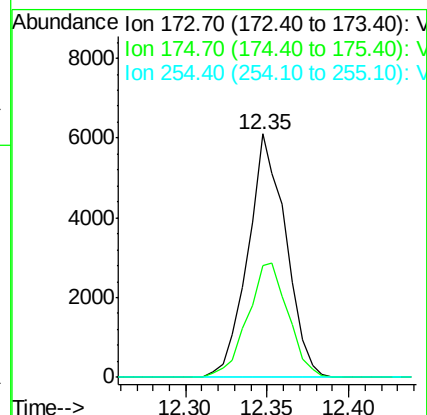
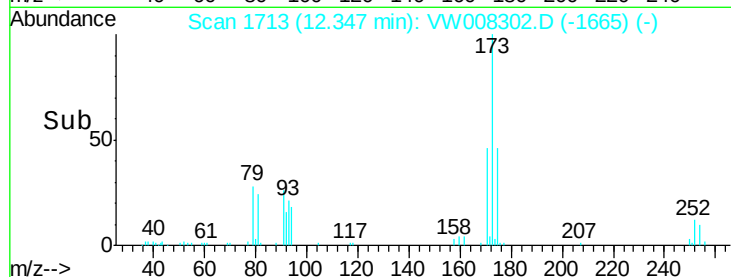
173 100

175 50.2 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: VW008302.D

Acq: 16 Jan 2019 12:28

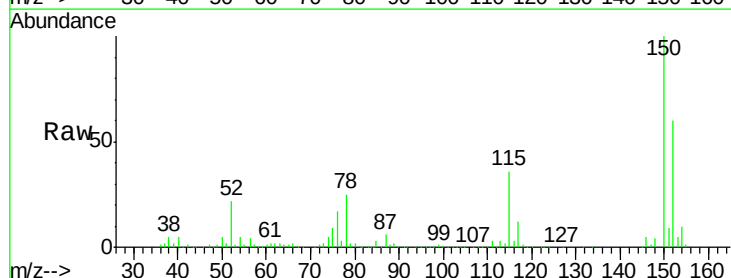
Tgt Ion:152 Resp: 73017

Ion Ratio Lower Upper

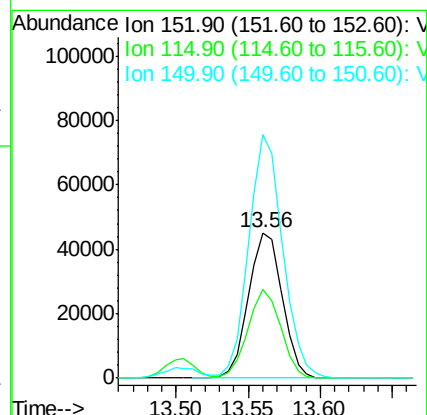
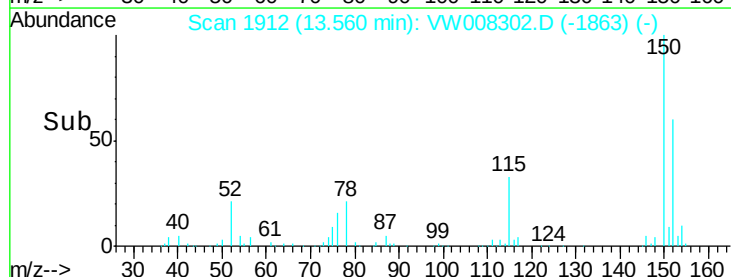
152 100

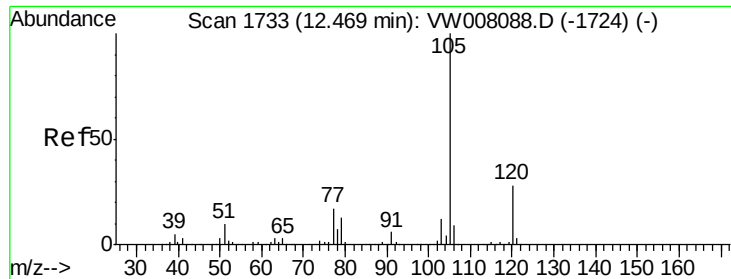
115 59.2 30.8 92.4

150 169.0 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: 20.640 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW008302.D

Acq: 16 Jan 2019 12:28

Instrument :

MSVOA_W

ClientSampleId :

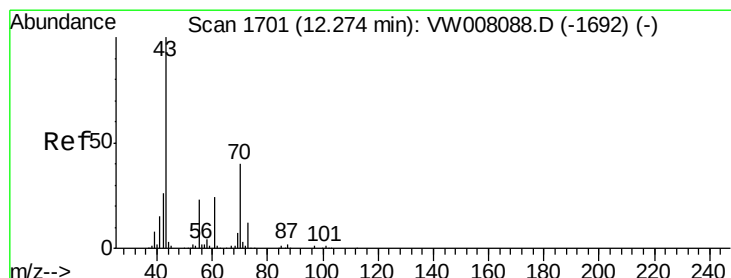
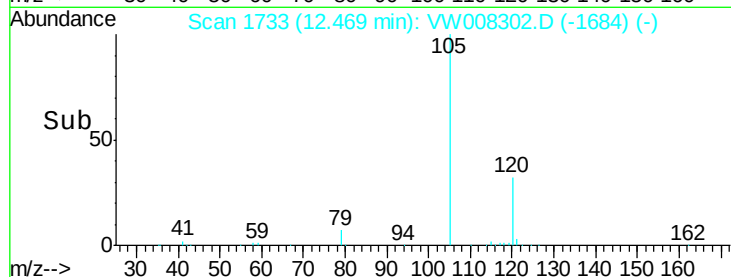
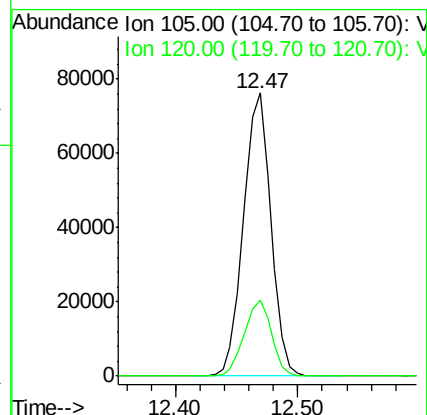
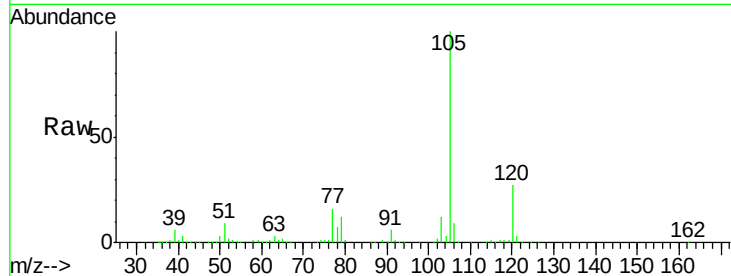
VW0116SBS01

Tot Ion:105 Resp: 118320

Ion Ratio Lower Upper

105 100

120 27.0 13.6 40.8



#74

N-ethyl acetate

Concen: 17.320 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW008302.D

Acq: 16 Jan 2019 12:28

Tgt Ion: 43 Resp: 21988

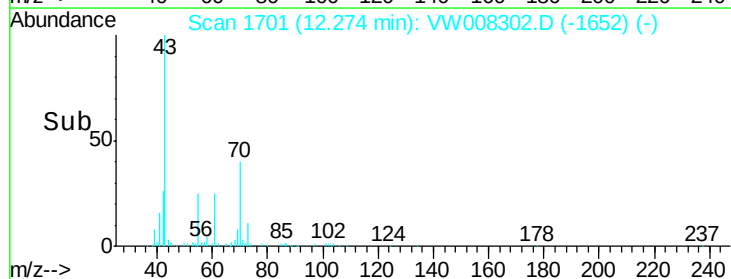
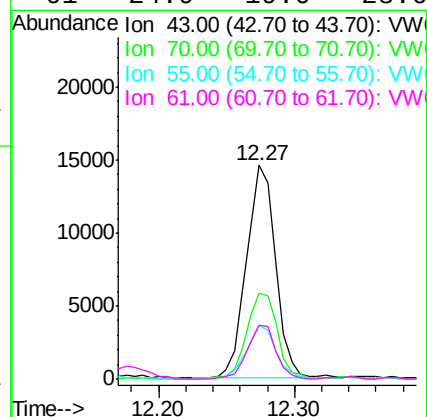
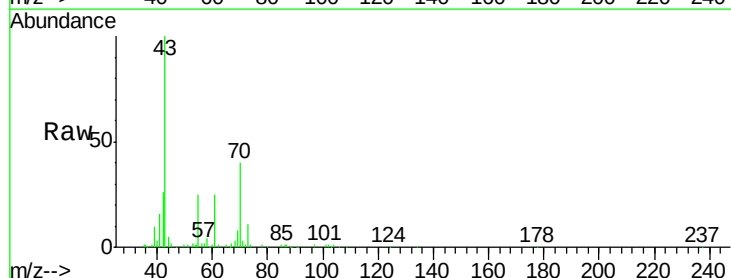
Ion Ratio Lower Upper

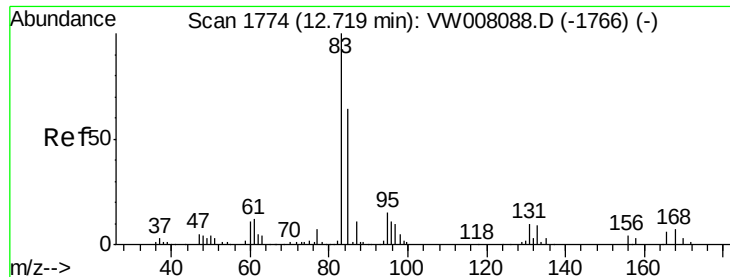
43 100

70 42.7 32.4 48.6

55 26.0 18.7 28.1

61 24.9 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.203 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW008302.D

Acq: 16 Jan 2019 12:28

Instrument :

MSVOA_W

ClientSampleId :

VW0116SBS01

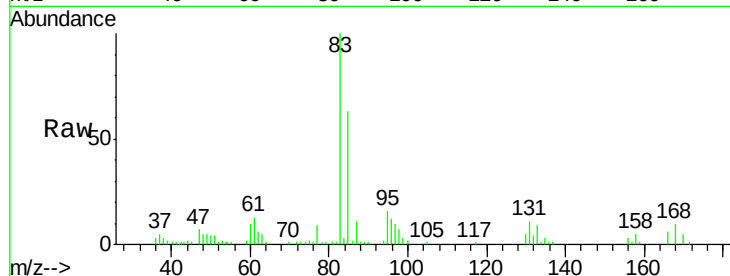
Tot Ion: 83 Resp: 18538

Ion Ratio Lower Upper

83 100

131 10.5 5.3 16.1

85 62.8 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

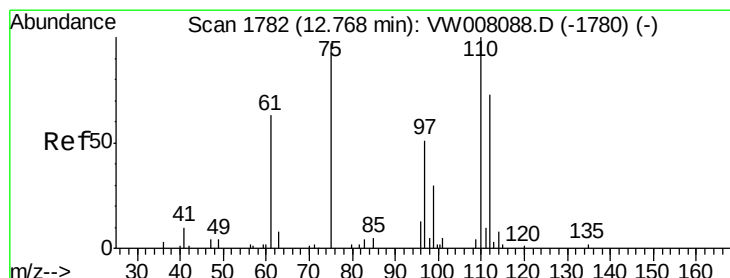
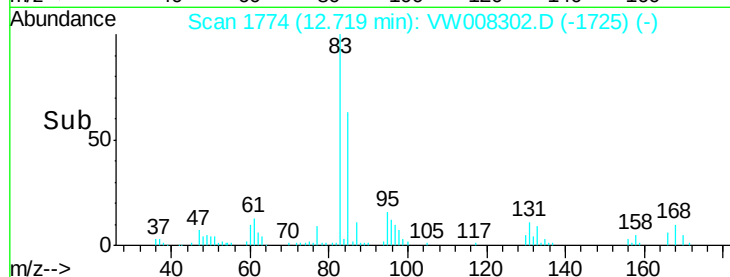
12.72

10000

5000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 35.479 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.01 min

Lab File: VW008302.D

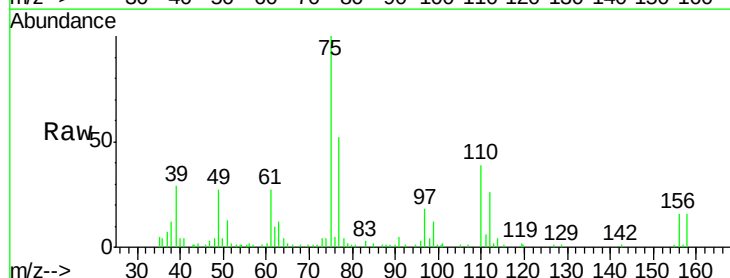
Acq: 16 Jan 2019 12:28

Tgt Ion: 75 Resp: 23616

Ion Ratio Lower Upper

75 100

77 0.0 179.4 538.2#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

30000

25000

20000

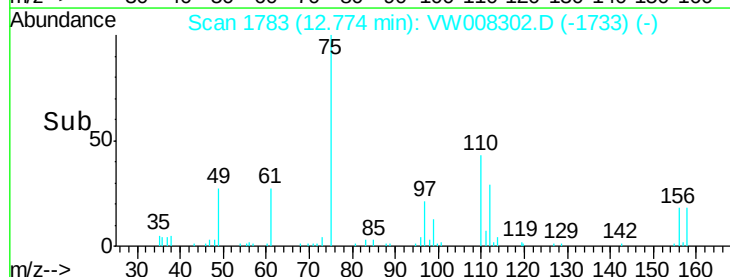
15000

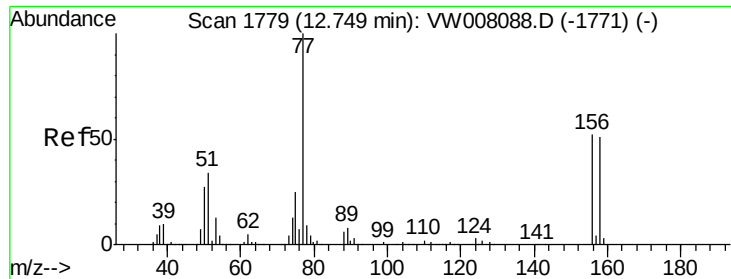
10000

5000

0

Time-->





#77

Bromobenzene

Concen: 21.572 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW008302.D

Acq: 16 Jan 2019 12:28

Instrument :

MSVOA_W

ClientSampleId :

VW0116SBS01

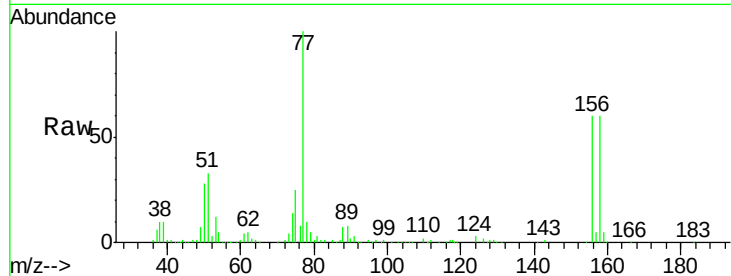
Tot Ion:156 Resp: 26130

Ion Ratio Lower Upper

156 100

77 186.7 104.2 312.5

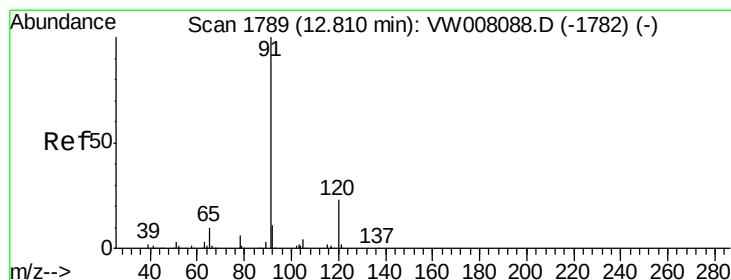
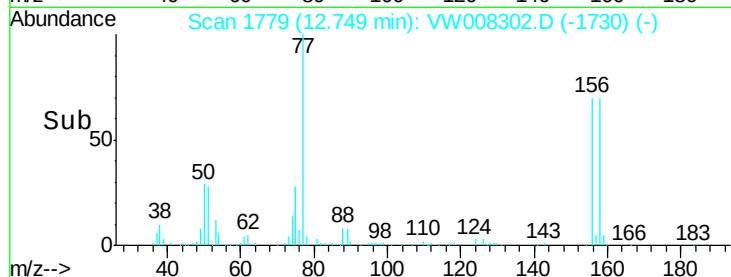
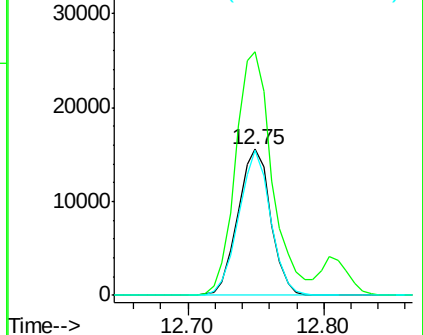
158 96.2 47.9 143.6



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: 20.984 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW008302.D

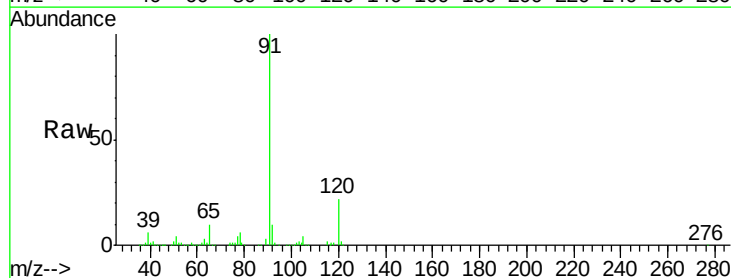
Acq: 16 Jan 2019 12:28

Tgt Ion: 91 Resp: 147390

Ion Ratio Lower Upper

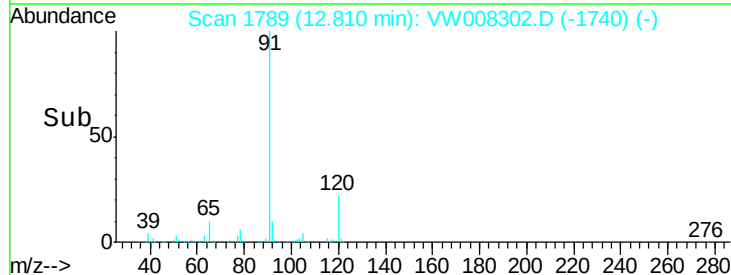
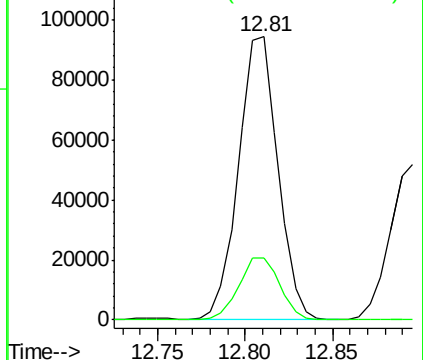
91 100

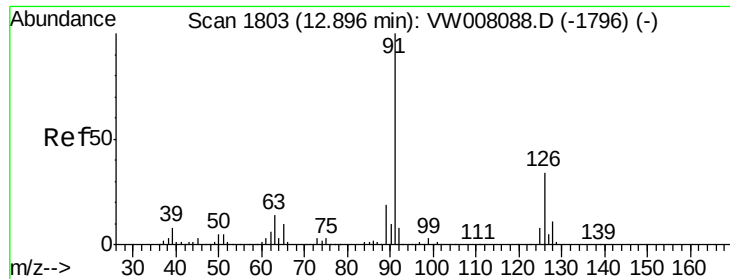
120 22.8 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.935 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW008302.D

Acq: 16 Jan 2019 12:28

Instrument :

MSVOA_W

ClientSampleId :

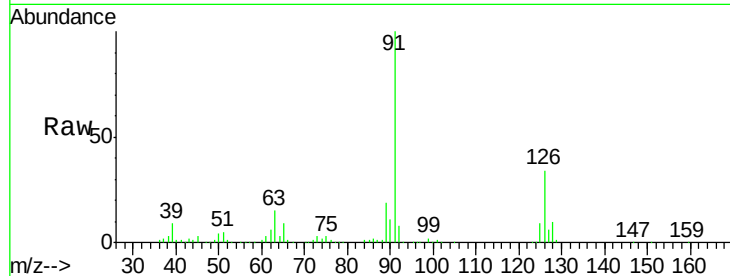
VW0116SBS01

Tot Ion: 91 Resp: 82040

Ion Ratio Lower Upper

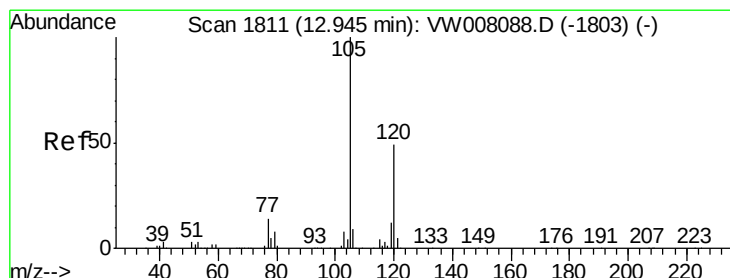
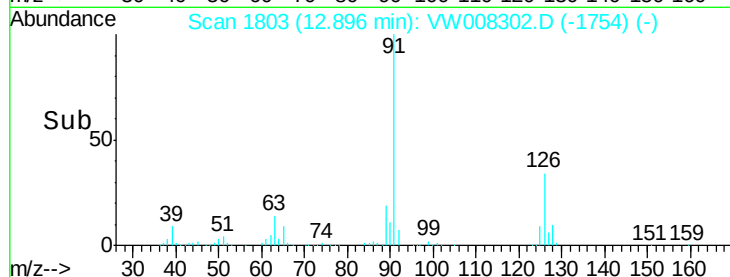
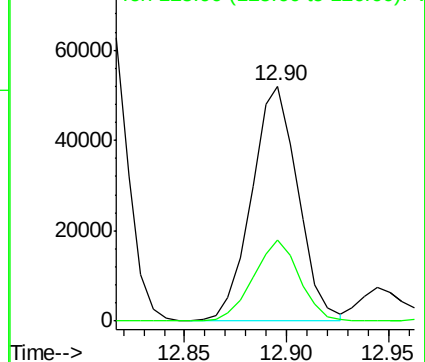
91 100

126 34.3 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: 21.474 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW008302.D

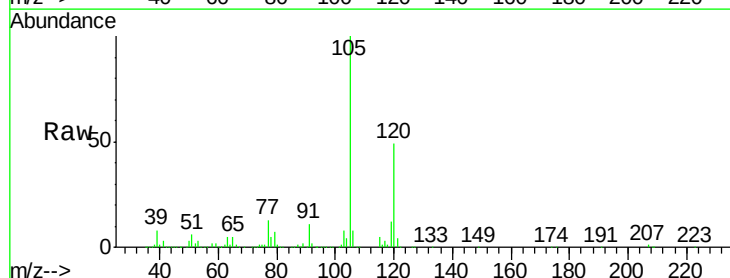
Acq: 16 Jan 2019 12:28

Tgt Ion:105 Resp: 101160

Ion Ratio Lower Upper

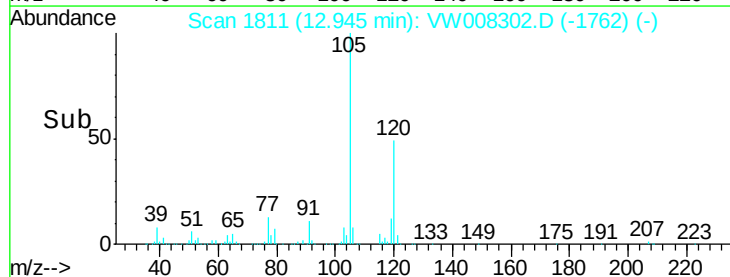
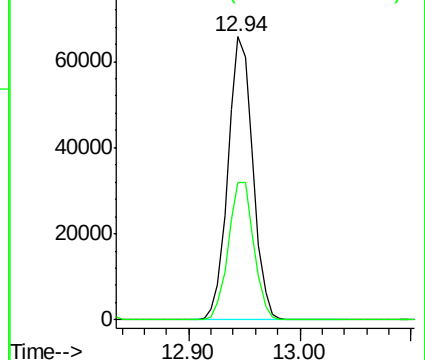
105 100

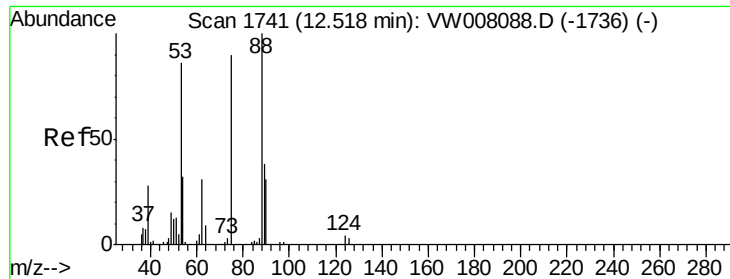
120 50.0 24.7 74.1



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: 18.360 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW008302.D

Acq: 16 Jan 2019 12:28

Instrument :

MSVOA_W

ClientSampleId :

VW0116SBS01

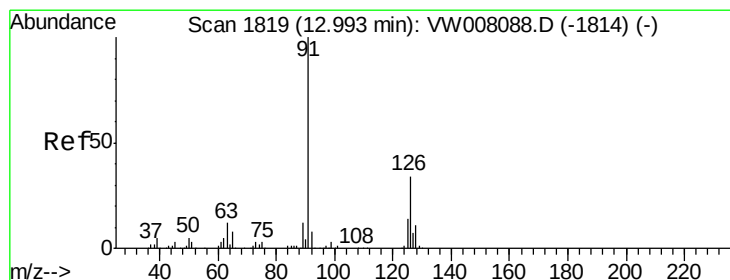
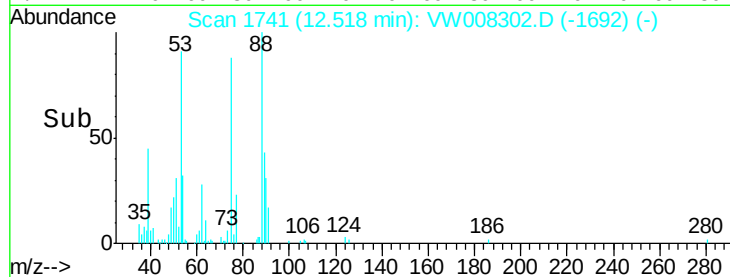
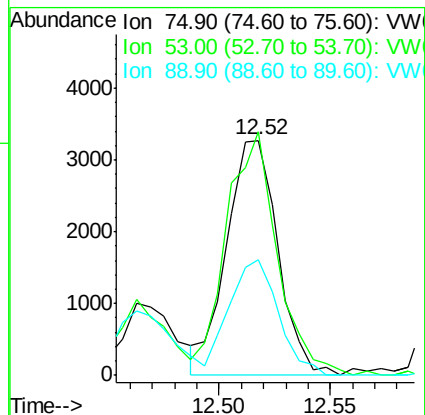
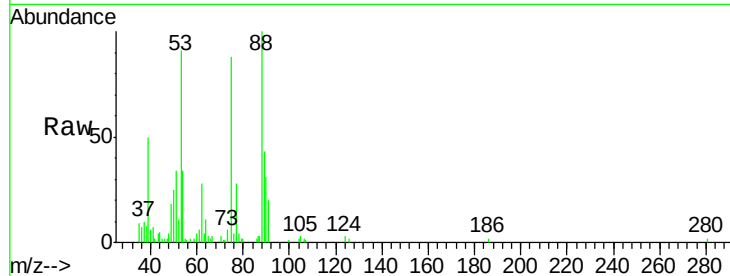
Tot Ion: 75 Resp: 5248

Ion Ratio Lower Upper

75 100

53 102.7 78.8 118.2

89 47.4 35.4 53.2



#82

4-Chlorotoluene

Concen: 21.066 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW008302.D

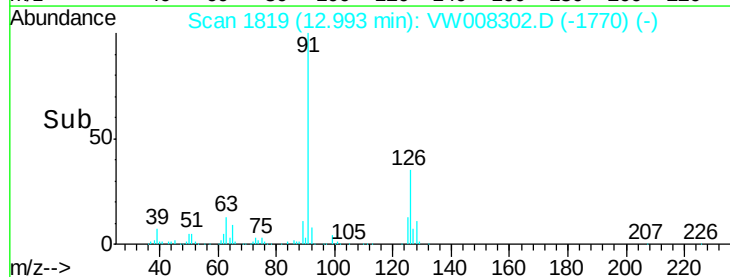
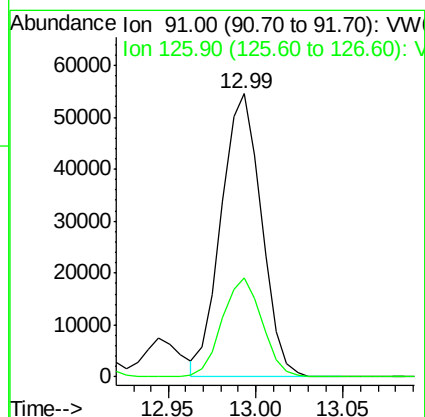
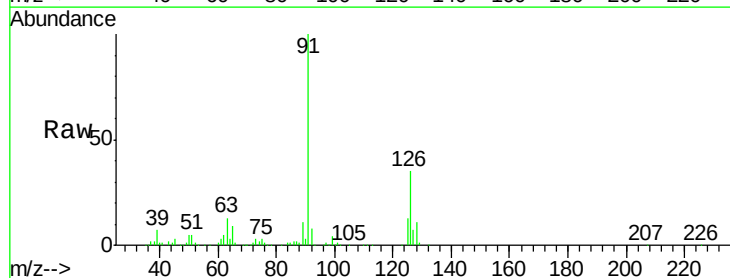
Acq: 16 Jan 2019 12:28

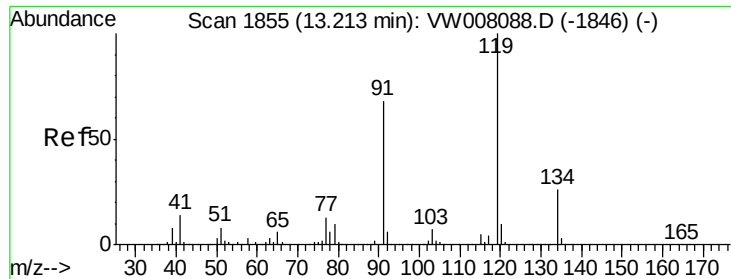
Tgt Ion: 91 Resp: 86944

Ion Ratio Lower Upper

91 100

126 34.8 16.5 49.5





#83

tert-Butylbenzene

Concen: 20.754 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.01 min

Lab File: VW008302.D

Acq: 16 Jan 2019 12:28

Instrument :

MSVOA_W

ClientSampled :

VW0116SBS01

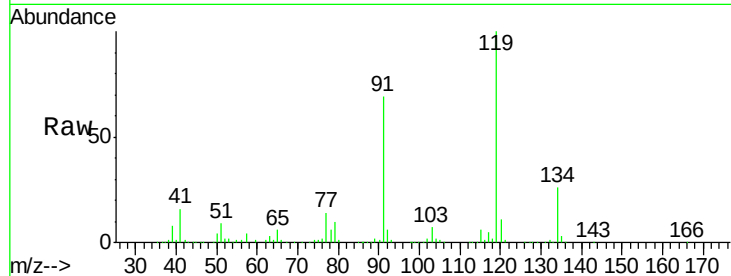
Tot Ion:119 Resp: 86492

Ion Ratio Lower Upper

119 100

91 66.4 33.9 101.6

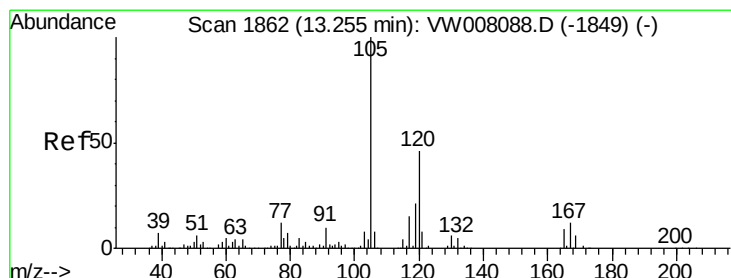
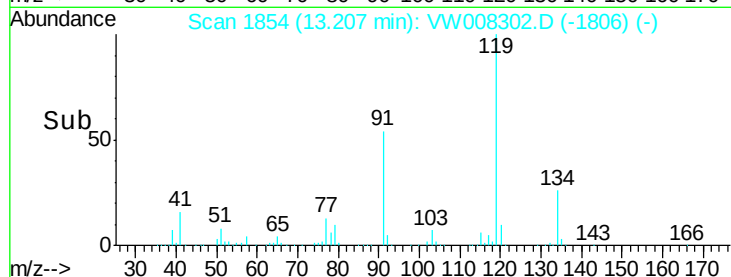
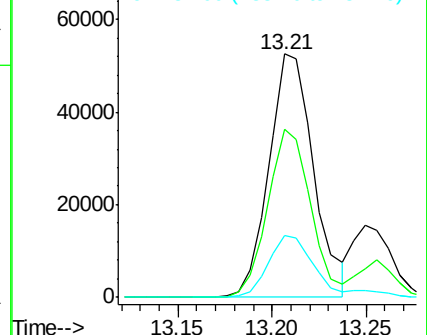
134 27.3 13.6 40.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.249 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW008302.D

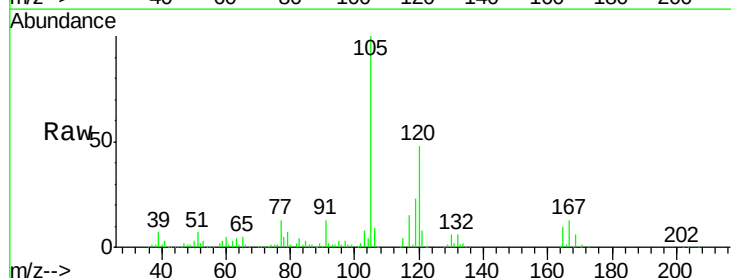
Acq: 16 Jan 2019 12:28

Tgt Ion:105 Resp: 103240

Ion Ratio Lower Upper

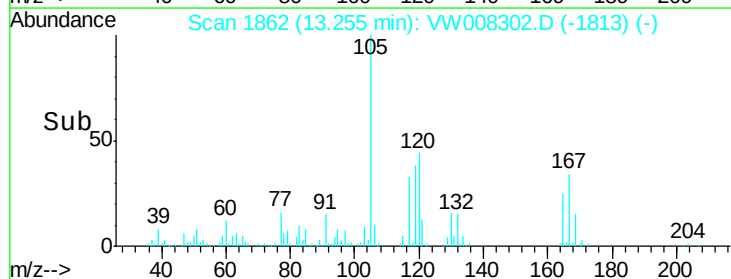
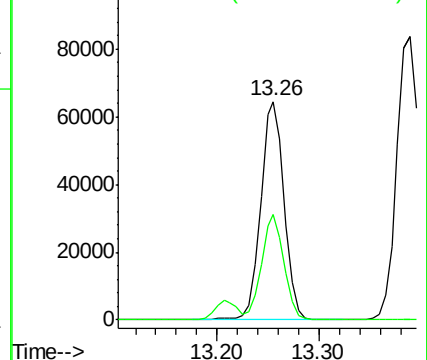
105 100

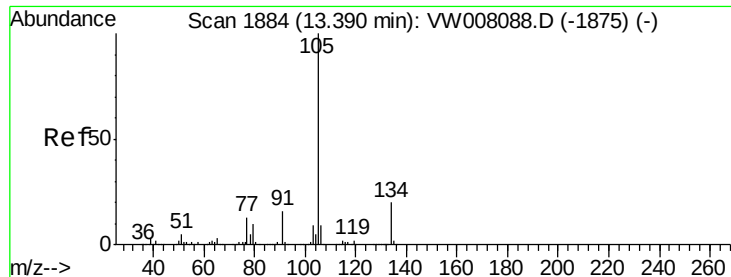
120 46.3 22.7 68.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.208 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW008302.D

Acq: 16 Jan 2019 12:28

Instrument :

MSVOA_W

ClientSampleId :

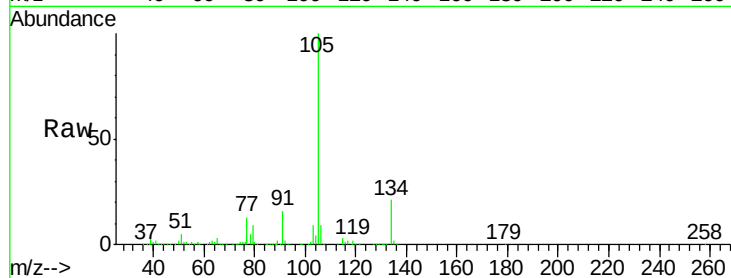
VW0116SBS01

Tot Ion:105 Resp: 129471

Ion Ratio Lower Upper

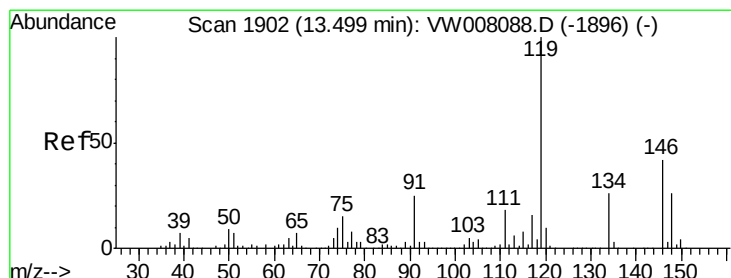
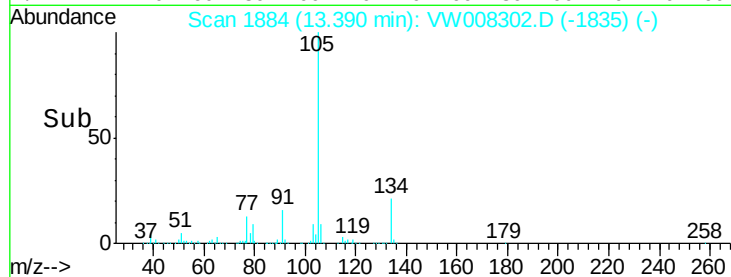
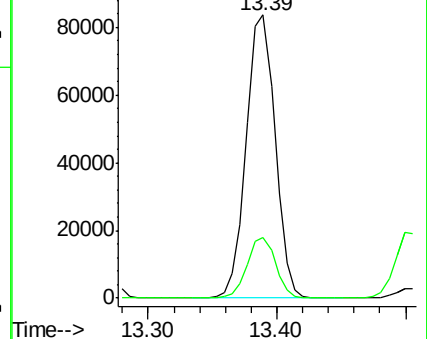
105 100

134 21.0 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: 21.291 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW008302.D

Acq: 16 Jan 2019 12:28

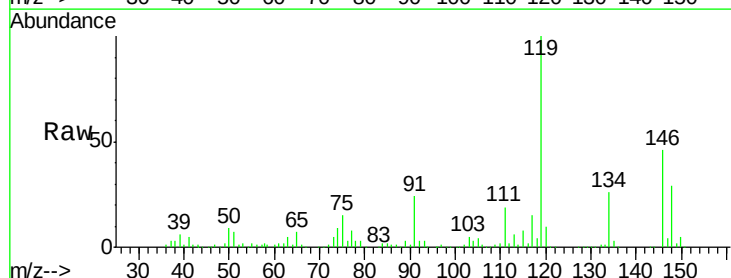
Tgt Ion:119 Resp: 112243

Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.8

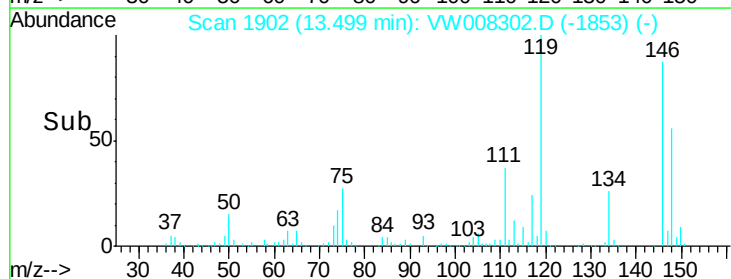
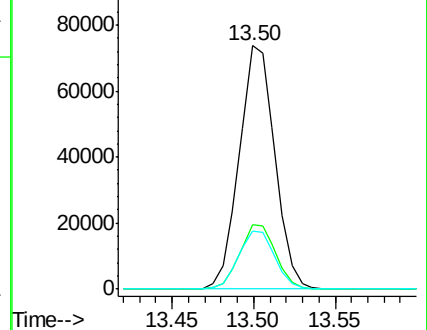
91 24.4 12.3 36.9

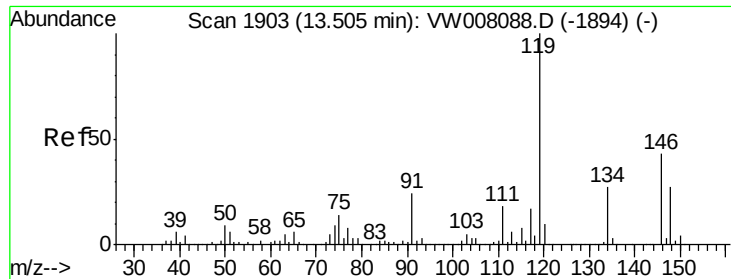


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 22.357 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008302.D

Acq: 16 Jan 2019 12:28

Instrument :

MSVOA_W

ClientSampleId :

VW0116SBS01

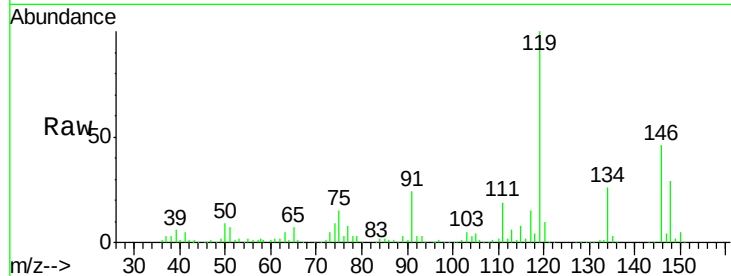
Tot Ion:146 Resp: 54933

Ion Ratio Lower Upper

146 100

111 41.2 21.1 63.1

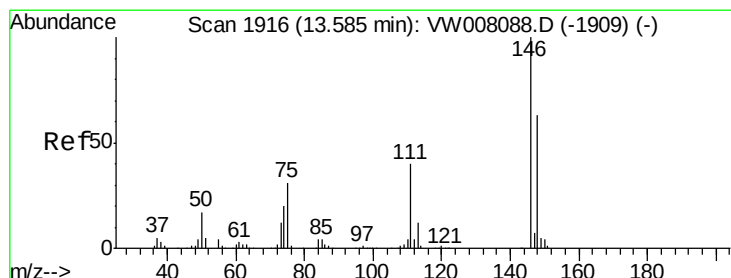
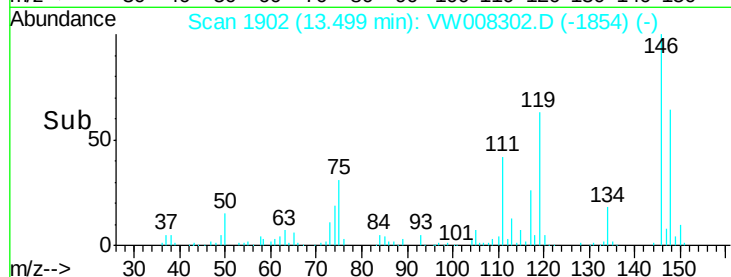
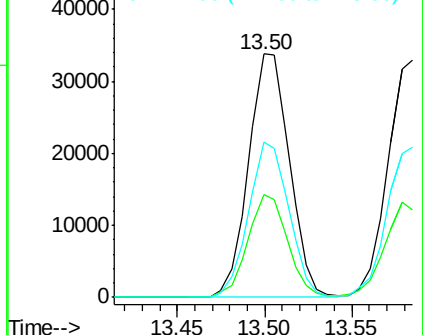
148 63.0 31.3 93.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 21.454 ug/l

RT: 13.58 min Scan# 1916

Delta R.T. -0.00 min

Lab File: VW008302.D

Acq: 16 Jan 2019 12:28

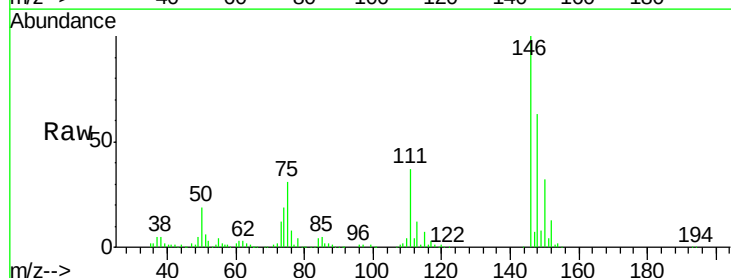
Tgt Ion:146 Resp: 52888

Ion Ratio Lower Upper

146 100

111 41.5 20.5 61.5

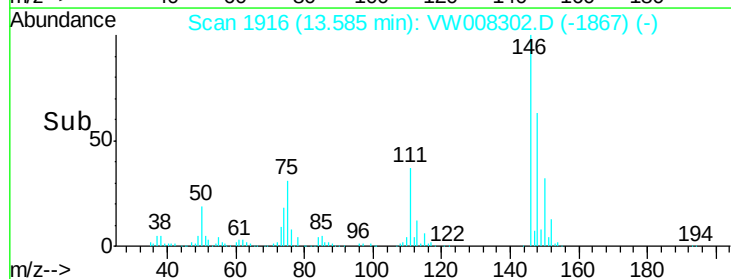
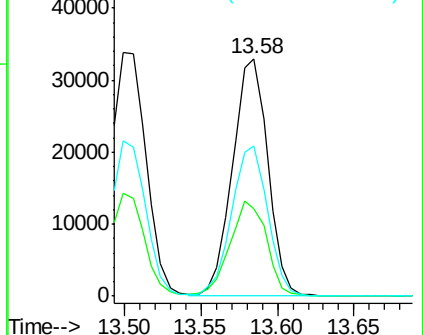
148 64.8 31.6 94.8

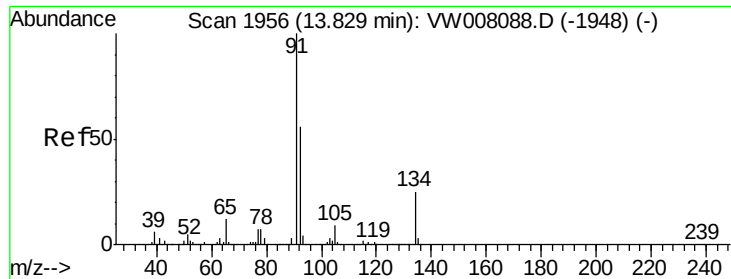


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 20.804 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW008302.D

Acq: 16 Jan 2019 12:28

Instrument :

MSVOA_W

ClientSampleId :

VW0116SBS01

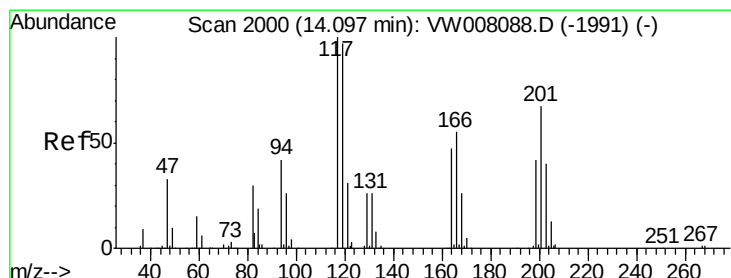
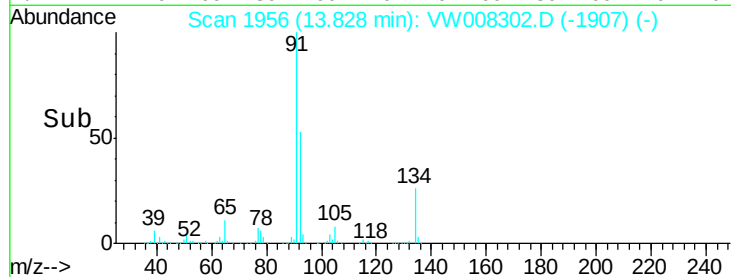
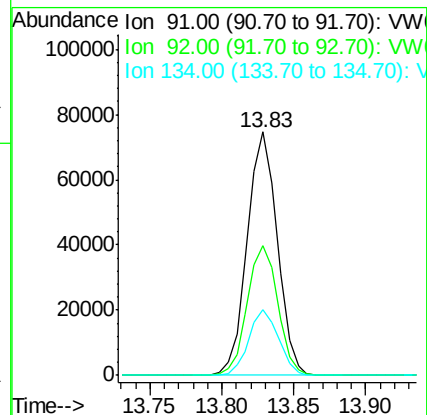
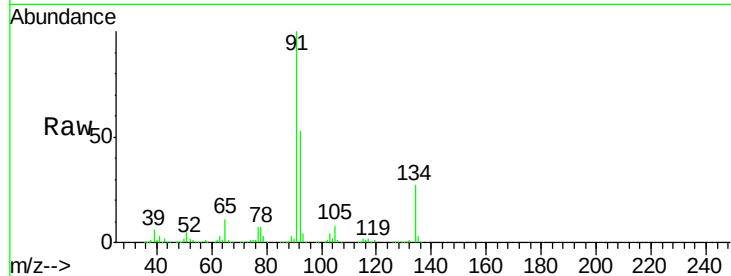
Tot Ion: 91 Resp: 107416

Ion Ratio Lower Upper

91 100

92 54.4 27.4 82.2

134 26.7 12.6 37.8



#90

Hexachloroethane

Concen: 23.044 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW008302.D

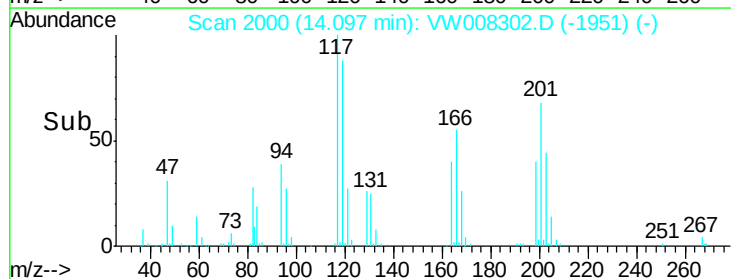
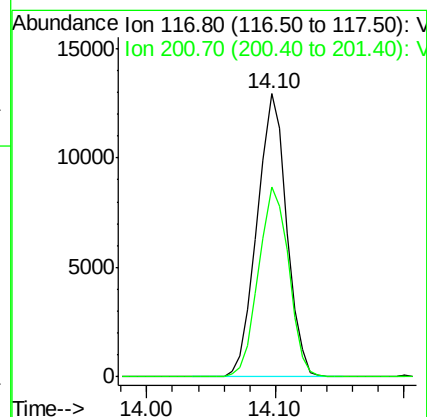
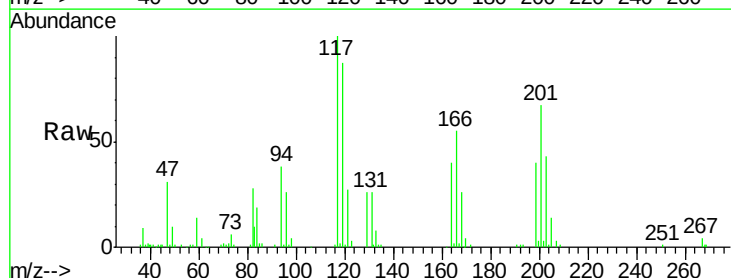
Acq: 16 Jan 2019 12:28

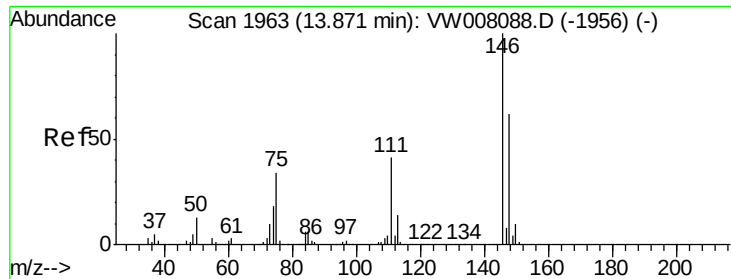
Tgt Ion: 117 Resp: 20519

Ion Ratio Lower Upper

117 100

201 68.6 33.0 98.9

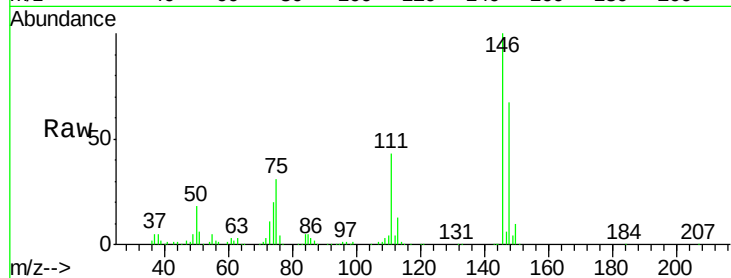




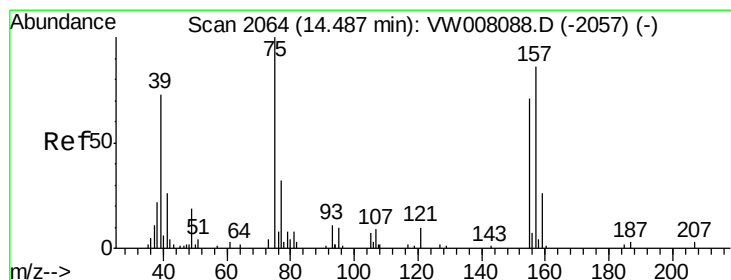
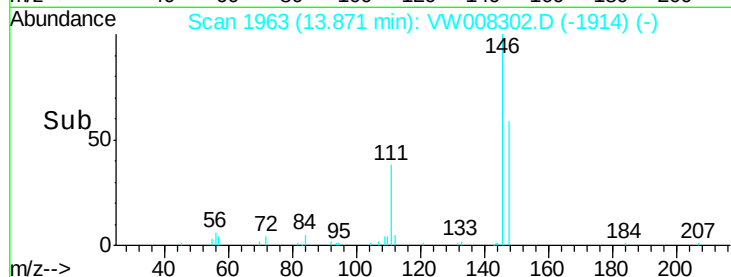
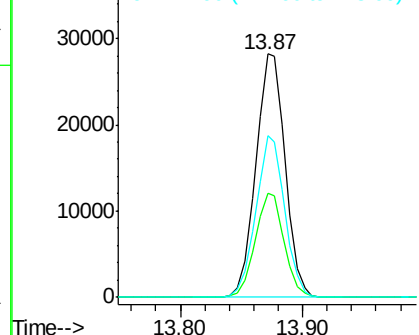
#91
 1,2-Dichlorobenzene
 Concen: 21.772 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW008302.D
 Acq: 16 Jan 2019 12:28

Instrument :
 MSVOA_W
 ClientSampled :
 VW0116SBS01

Tot Ion:146 Resp: 47014
 Ion Ratio Lower Upper
 146 100
 111 42.1 21.3 63.7
 148 65.3 31.5 94.5

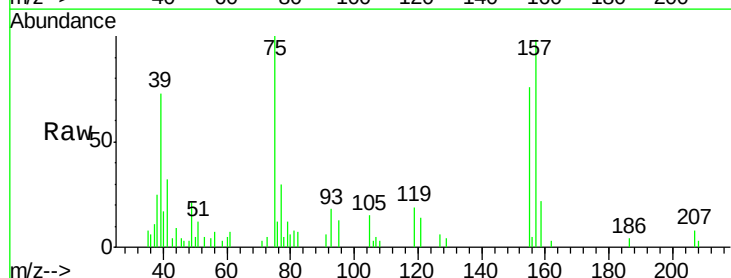


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

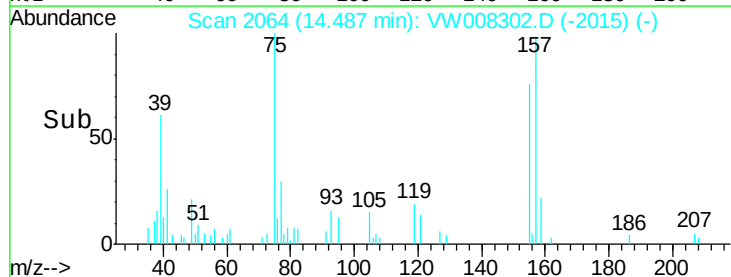
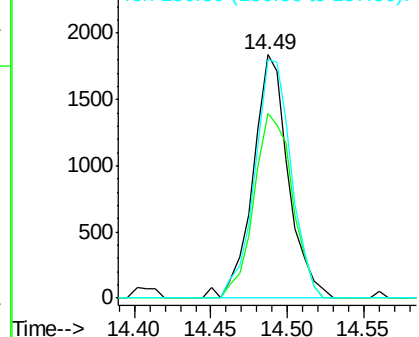


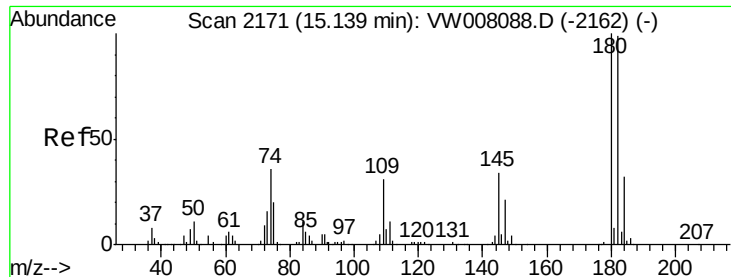
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.944 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW008302.D
 Acq: 16 Jan 2019 12:28

Tgt Ion: 75 Resp: 2945
 Ion Ratio Lower Upper
 75 100
 155 82.5 38.6 115.7
 157 101.1 47.5 142.6



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

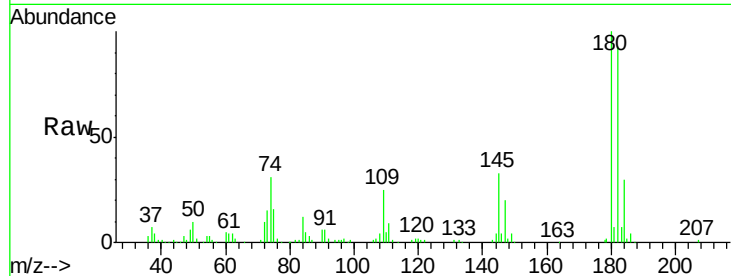




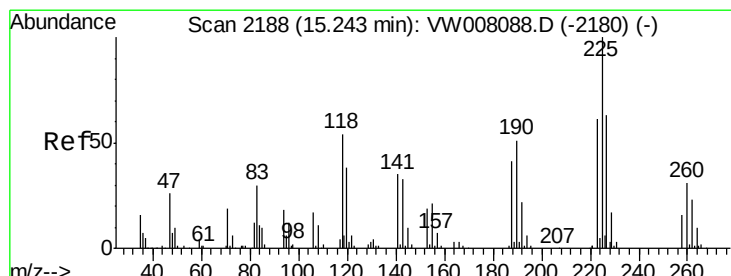
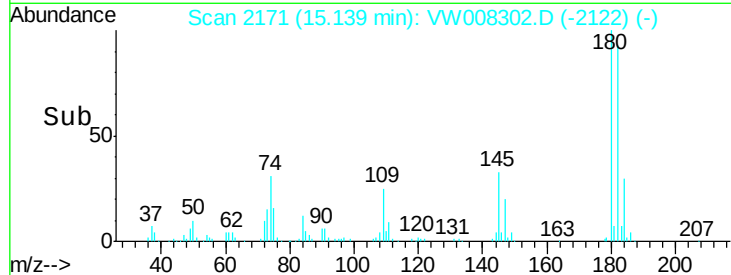
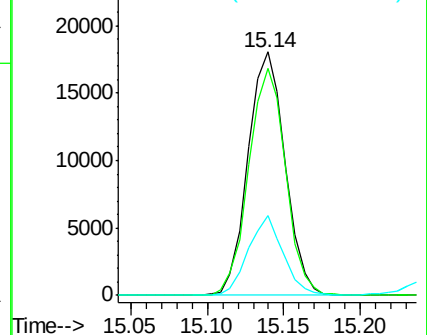
#93
1,2,4-Trichlorobenzene
Concen: 21.217 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VW008302.D
Acq: 16 Jan 2019 12:28

Instrument :
MSVOA_W
ClientSampleId :
VW0116SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.8	48.6	145.9
145	30.9	16.6	49.7

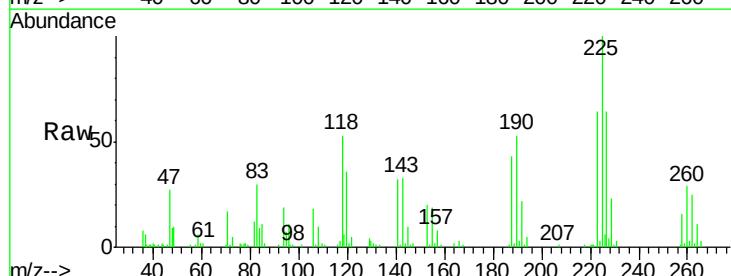


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

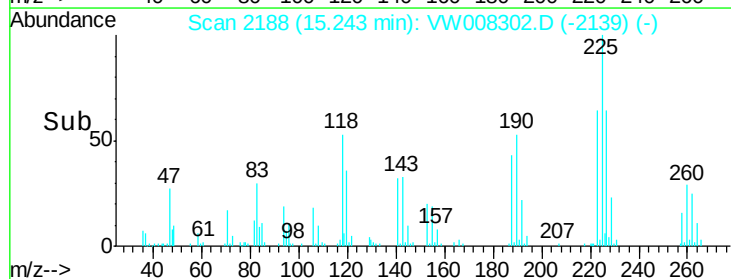
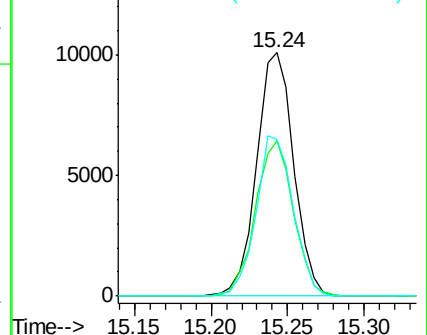


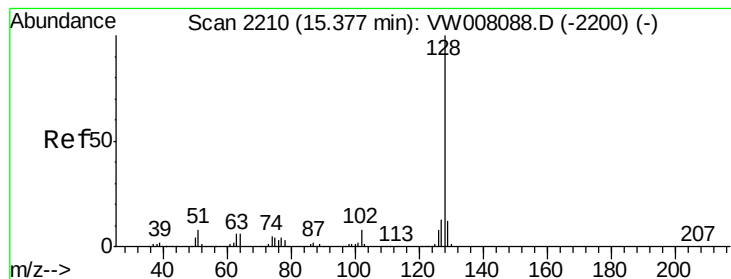
#94
Hexachlorobutadiene
Concen: 22.222 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. -0.00 min
Lab File: VW008302.D
Acq: 16 Jan 2019 12:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.3	31.4	94.3
227	65.8	32.0	96.2



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





#95

Naphthalene

Concen: 18.086 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.01 min

Lab File: VW008302.D

Acq: 16 Jan 2019 12:28

Instrument :

MSVOA_W

ClientSampleId :

VW0116SBS01

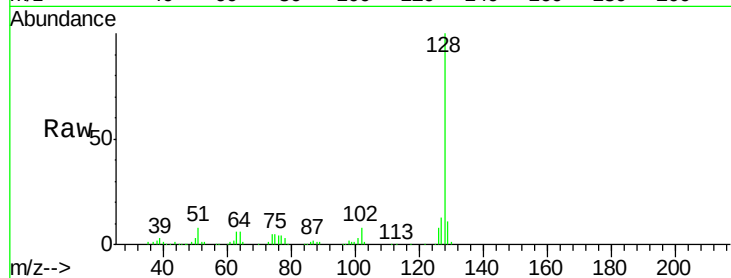
Tot Ion:128 Resp: 48415

Ion Ratio Lower Upper

128 100

127 13.8 11.0 16.4

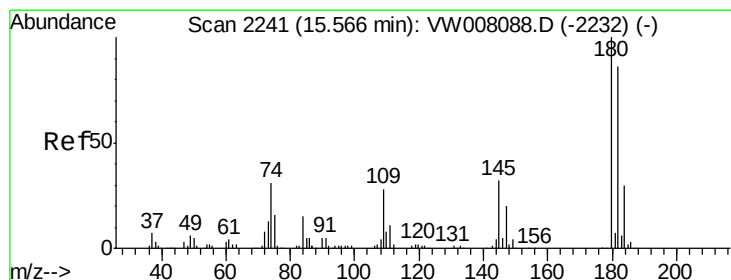
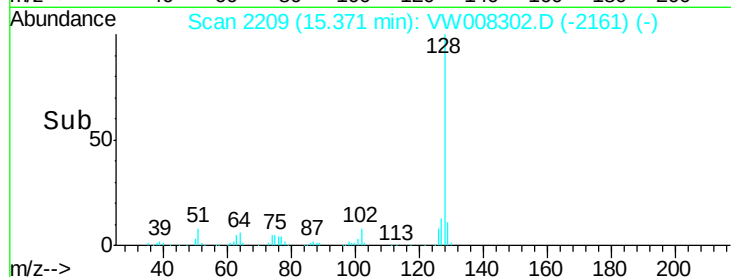
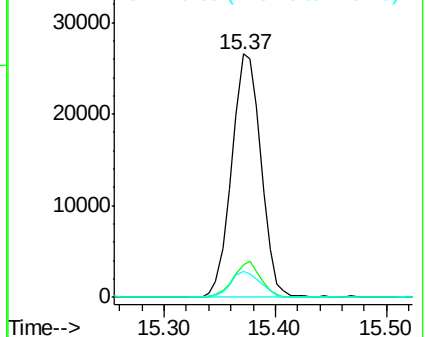
129 10.8 9.0 13.6



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: 20.184 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.01 min

Lab File: VW008302.D

Acq: 16 Jan 2019 12:28

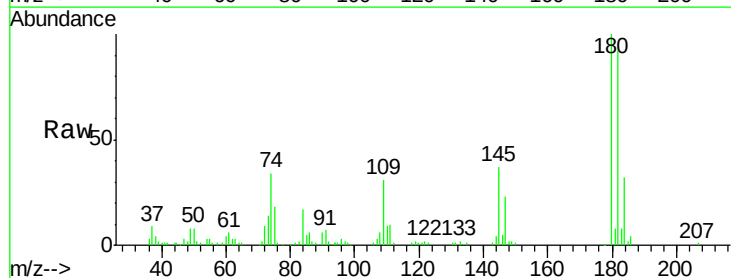
Tgt Ion:180 Resp: 24668

Ion Ratio Lower Upper

180 100

182 99.1 46.5 139.3

145 35.3 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

