

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010819\
 Data File : VW008087.D
 Acq On : 08 Jan 2019 16:02
 Operator : SY/AP
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Quant Time: Jan 09 03:39:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 03:11:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	79986	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	150043	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	132590	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	63791	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	18545	20.80	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	41.60%	
35) Dibromofluoromethane	7.88	113	16709	17.96	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	35.92%	
50) Toluene-d8	10.32	98	68736	19.25	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	38.50%	
62) 4-Bromofluorobenzene	12.62	95	24682	18.24	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	36.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	13787	19.518	ug/l	93
3) Chloromethane	2.21	50	17252	29.464	ug/l	99
4) Vinyl Chloride	2.37	62	24160	31.722	ug/l	96
5) Bromomethane	2.79	94	18302	36.970	ug/l	97
6) Chloroethane	2.93	64	18317	43.301	ug/l	100
7) Trichlorofluoromethane	3.26	101	18448	25.149	ug/l	93
8) Diethyl Ether	3.68	74	10333	26.865	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	17025	20.304	ug/l	95
10) Methyl Iodide	4.26	142	24280	18.206	ug/l	97
11) Tert butyl alcohol	5.22	59	2127	36.400	ug/l #	100
12) 1,1-Dichloroethene	4.03	96	16622	20.491	ug/l	94
13) Acrolein	3.90	56	4879	112.925	ug/l	99
14) Allyl chloride	4.67	41	33443	28.706	ug/l	100
15) Acrylonitrile	5.38	53	20766	146.897	ug/l	99
16) Acetone	4.14	43	19174	135.169	ug/l	90
17) Carbon Disulfide	4.37	76	54126	21.803	ug/l	96
18) Methyl Acetate	4.68	43	11721	30.163	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	31309	24.496	ug/l	99
20) Methylene Chloride	4.90	84	20989	22.051	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	20141	22.840	ug/l	97
22) Diisopropyl ether	6.31	45	66659	31.617	ug/l	99
23) Vinyl Acetate	6.26	43	174003	149.420	ug/l	99
24) 1,1-Dichloroethane	6.21	63	37655	25.298	ug/l	98
25) 2-Butanone	7.18	43	27342	157.808	ug/l	96
26) 2,2-Dichloropropane	7.17	77	26310	22.174	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	22289	23.666	ug/l	99
28) Bromochloromethane	7.51	49	14090	27.851	ug/l	96
29) Tetrahydrofuran	7.54	42	17892	162.404	ug/l	99
30) Chloroform	7.68	83	36676	22.539	ug/l	97
31) Cyclohexane	7.95	56	41090	28.749	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	31470	20.580	ug/l	98
36) 1,1-Dichloropropene	8.09	75	30888	21.026	ug/l	100
37) Ethyl Acetate	7.25	43	12142	25.920	ug/l	97
38) Carbon Tetrachloride	8.07	117	28438	16.815	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	38343	20.828	ug/l	94
40) Benzene	8.32	78	84661	21.678	ug/l	98
41) Methacrylonitrile	7.49	41	7518	27.982	ug/l	93
42) 1,2-Dichloroethane	8.40	62	24040	19.005	ug/l	98
43) Isopropyl Acetate	8.43	43	25080	27.090	ug/l	98
44) Trichloroethene	9.09	130	20816	18.539	ug/l	93
45) 1,2-Dichloropropane	9.37	63	21000	24.242	ug/l	100
46) Dibromomethane	9.46	93	10327	21.098	ug/l	95
47) Bromodichloromethane	9.65	83	25797	18.982	ug/l	99
48) Methyl methacrylate	9.44	41	11007	23.538	ug/l	97
49) 1,4-Dioxane	9.48	88	3129	426.904	ug/l #	89
51) 4-Methyl-2-Pentanone	10.21	43	59010	135.815	ug/l	99
52) Toluene	10.39	92	53640	20.836	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	26631	20.120	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	31978	21.449	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	14114	21.236	ug/l	95
56) Ethyl methacrylate	10.65	69	17357	22.515	ug/l	98
57) 1,3-Dichloropropane	10.93	76	26546	23.006	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	46964	124.760	ug/l	100
59) 2-Hexanone	10.97	43	41935	140.252	ug/l	98
60) Dibromochloromethane	11.13	129	15318	17.232	ug/l	99
61) 1,2-Dibromoethane	11.23	107	13118	19.713	ug/l	98
64) Tetrachloroethene	10.86	164	16279	18.413	ug/l	94
65) Chlorobenzene	11.66	112	56119	20.179	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	17973	18.082	ug/l	98
67) Ethyl Benzene	11.73	91	104258	20.973	ug/l	100
68) m/p-Xylenes	11.84	106	79598	41.524	ug/l	98
69) o-Xylene	12.17	106	37013	20.760	ug/l	99
70) Styrene	12.18	104	57692	19.903	ug/l	99
71) Bromoform	12.35	173	7689	16.766	ug/l #	99
73) Isopropylbenzene	12.47	105	102023	20.432	ug/l	99
74) N-amyl acetate	12.27	43	21984	26.464	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	16304	24.751	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	21660	42.259	ug/l	27
77) Bromobenzene	12.75	156	19627	18.447	ug/l	96
78) n-propylbenzene	12.81	91	126052	21.531	ug/l	99
79) 2-Chlorotoluene	12.90	91	70662	21.029	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	85264	19.980	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.51	75	4903	22.474	ug/l	95
82) 4-Chlorotoluene	12.99	91	74735	20.932	ug/l	99
83) tert-Butylbenzene	13.21	119	74740	19.939	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	88170	20.298	ug/l	99
85) sec-Butylbenzene	13.39	105	109469	21.039	ug/l	99
86) p-Isopropyltoluene	13.51	119	94810	20.316	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	42496	19.633	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	42654	19.862	ug/l	96
89) n-Butylbenzene	13.83	91	92916	21.547	ug/l	99
90) Hexachloroethane	14.10	117	15531	19.240	ug/l	94
91) 1,2-Dichlorobenzene	13.88	146	37418	19.638	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2589	19.976	ug/l	99

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Quant Title : SW846 8260
QLast Update : Wed Jan 09 03:11:44 2019
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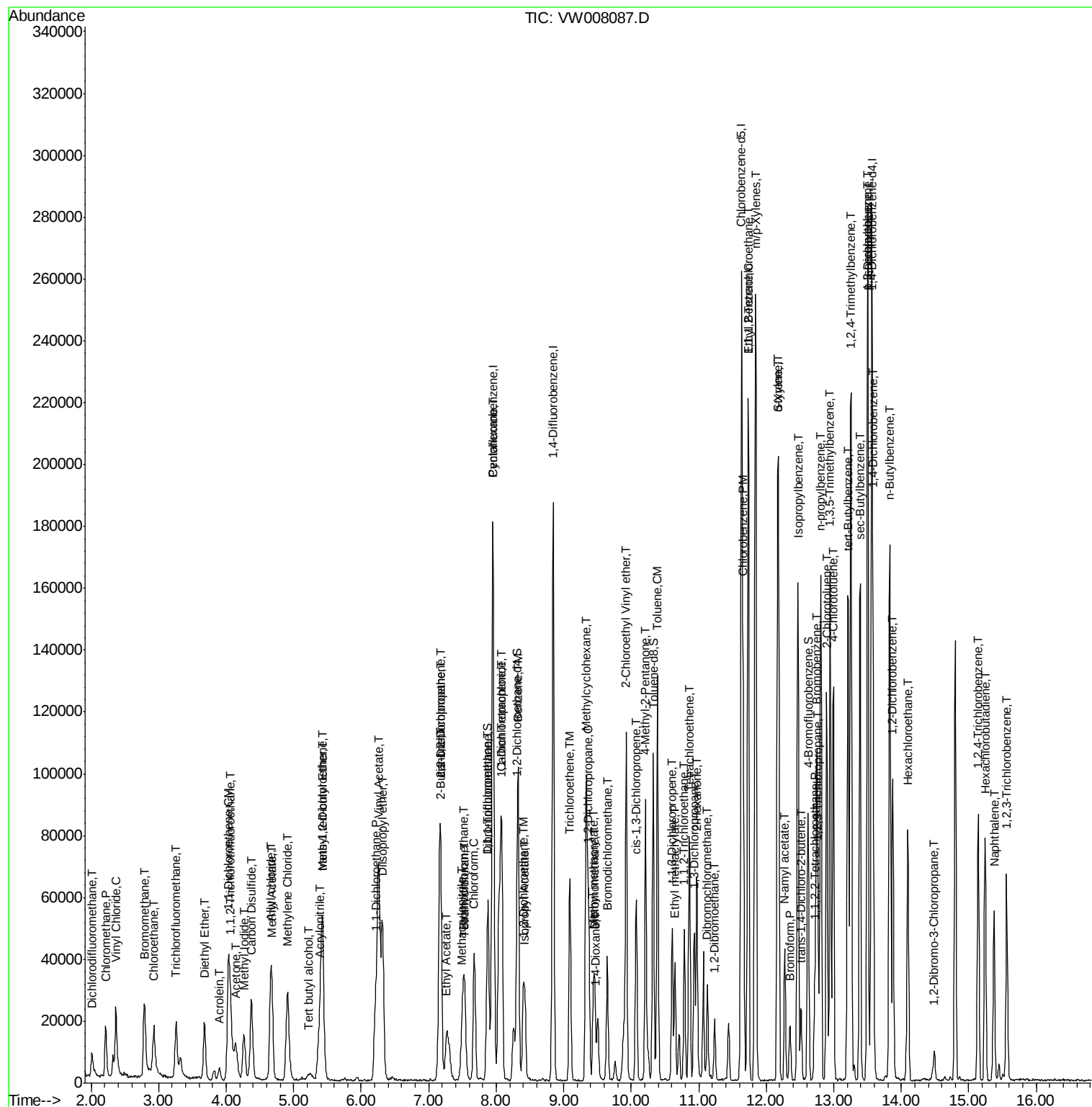
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	24374	18.540	ug/l	95
94) Hexachlorobutadiene	15.24	225	12610	16.734	ug/l	97
95) Naphthalene	15.38	128	46545	20.426	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	20054	18.334	ug/l	99

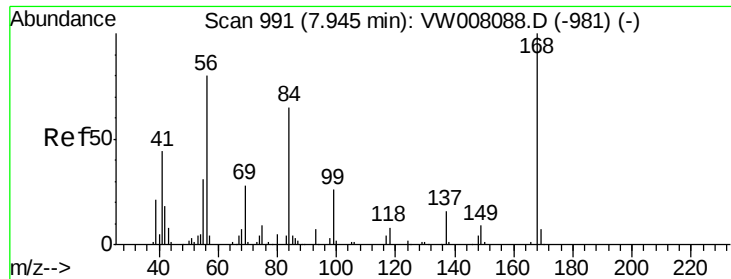
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_W
ClientSampleId :
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Quant Time: Jan 09 03:23:40 2019
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Quant Title : SW846 8260
QLast Update : Wed Jan 09 03:11:44 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW008087.D

Acq: 08 Jan 2019 16:02

Instrument :

MSVOA_W

ClientSampleId :

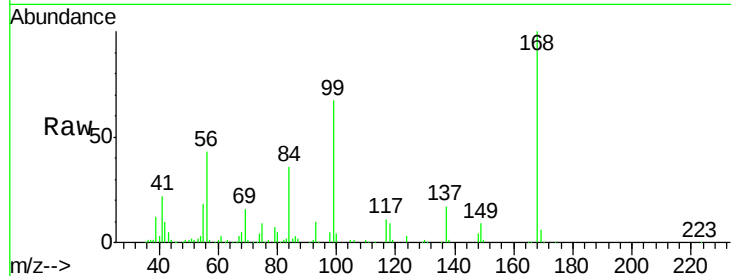
VSTDIC020

Tot Ion:168 Resp: 79986

Ion Ratio Lower Upper

168 100

99 66.7 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

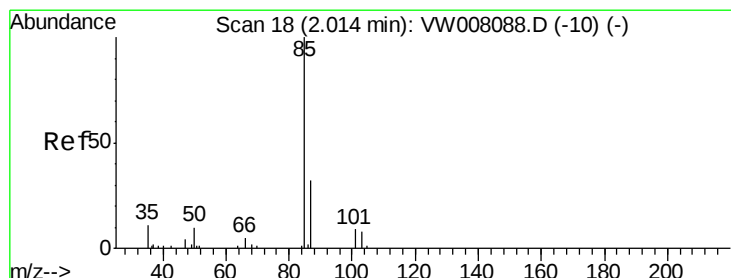
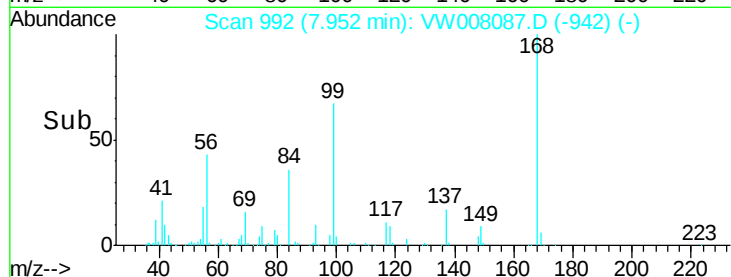
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.518 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW008087.D

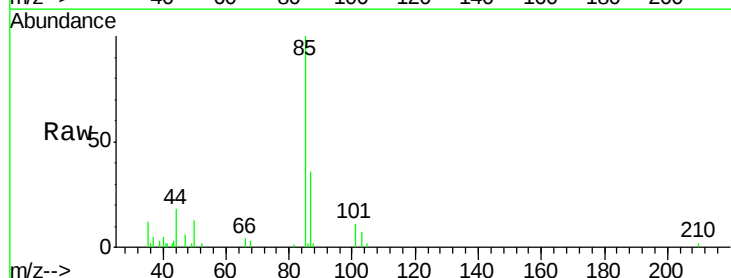
Acq: 08 Jan 2019 16:02

Tgt Ion: 85 Resp: 13787

Ion Ratio Lower Upper

85 100

87 36.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

4000

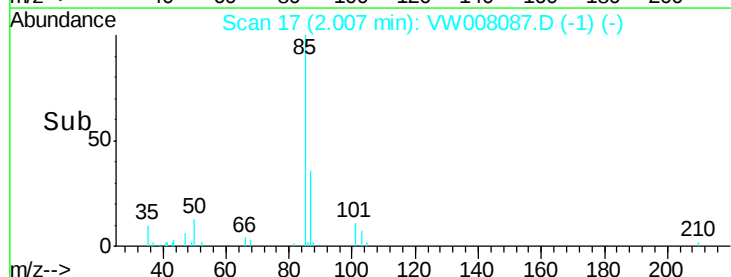
3000

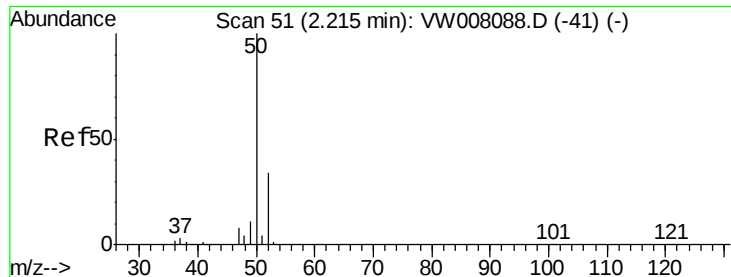
2000

1000

0

Time-->





#3

Chloromethane

Concen: 29.464 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW008087.D

Acq: 08 Jan 2019 16:02

Instrument :

MSVOA_W

ClientSampled :

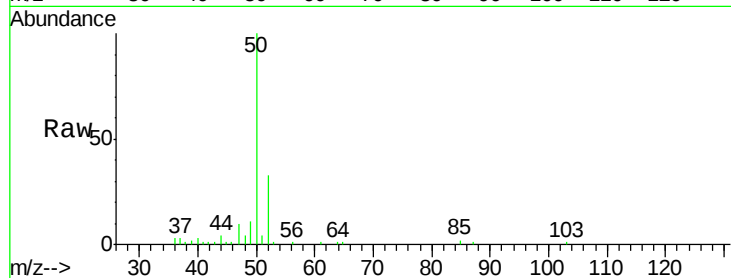
VSTDIC020

Tot Ion: 50 Resp: 17252

Ion Ratio Lower Upper

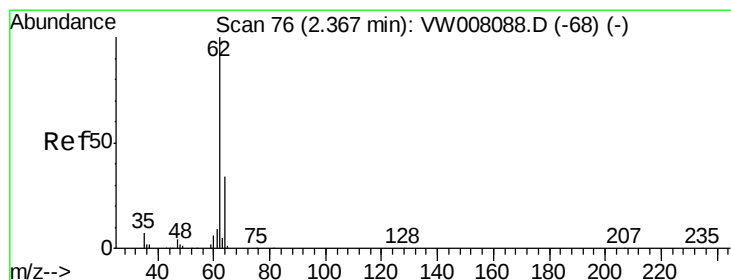
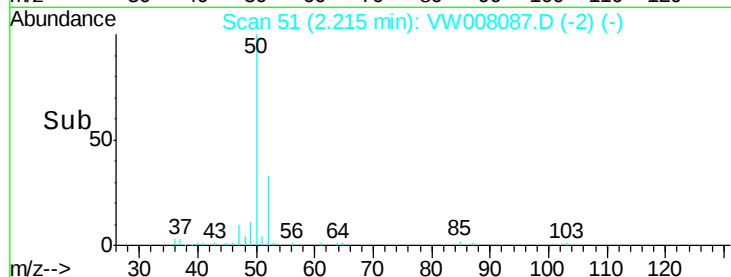
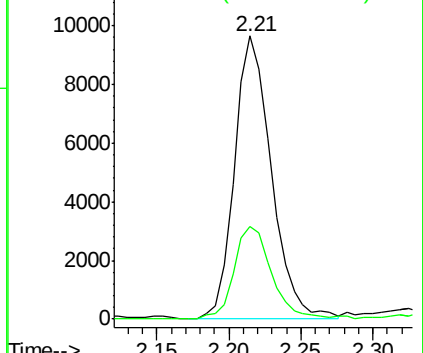
50 100

52 33.0 26.8 40.2



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 31.722 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW008087.D

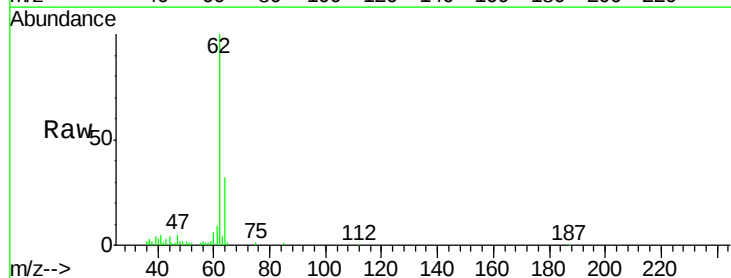
Acq: 08 Jan 2019 16:02

Tgt Ion: 62 Resp: 24160

Ion Ratio Lower Upper

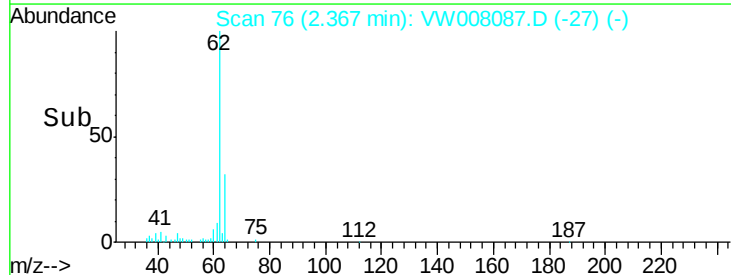
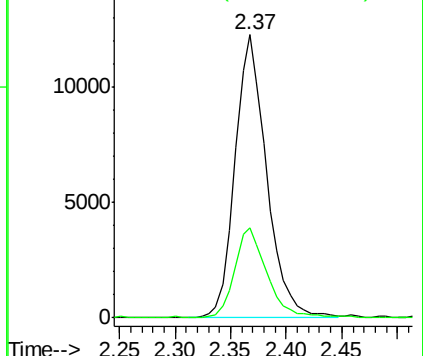
62 100

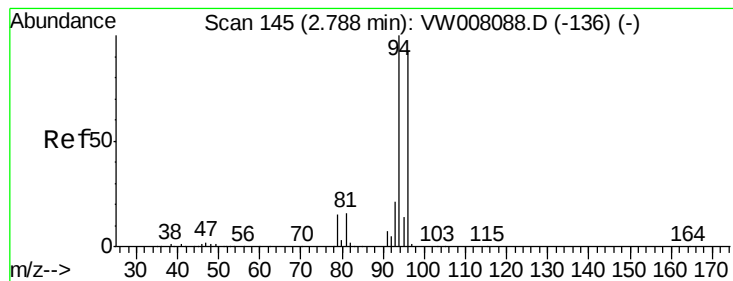
64 31.7 27.0 40.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 36.970 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW008087.D

Acq: 08 Jan 2019 16:02

Instrument :

MSVOA_W

ClientSampleId :

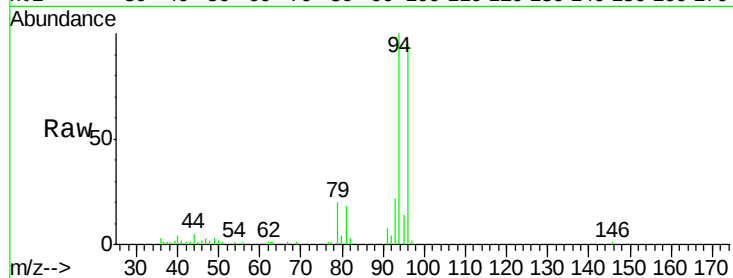
VSTDIC020

Tot Ion: 94 Resp: 18302

Ion Ratio Lower Upper

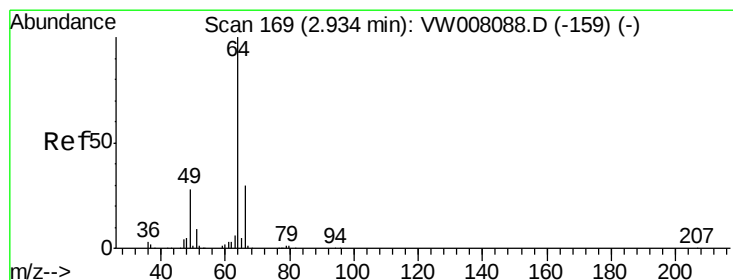
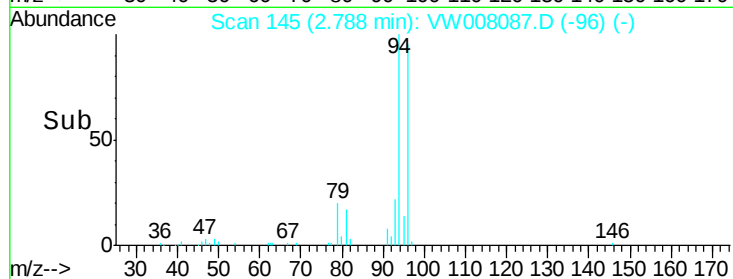
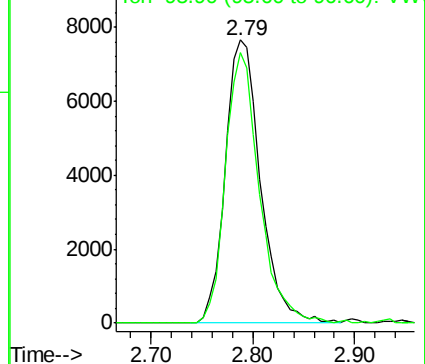
94 100

96 95.5 74.1 111.1



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 43.301 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW008087.D

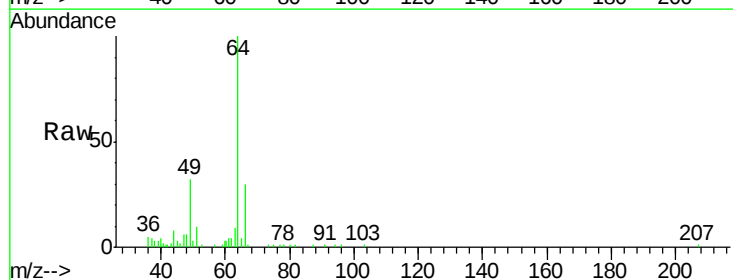
Acq: 08 Jan 2019 16:02

Tgt Ion: 64 Resp: 18317

Ion Ratio Lower Upper

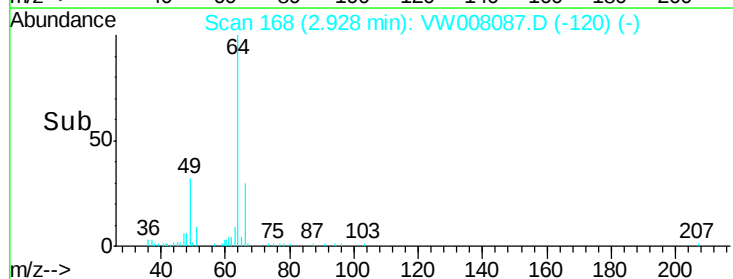
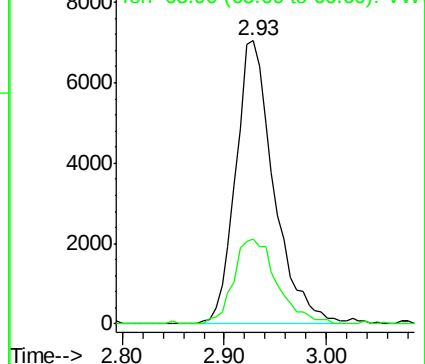
64 100

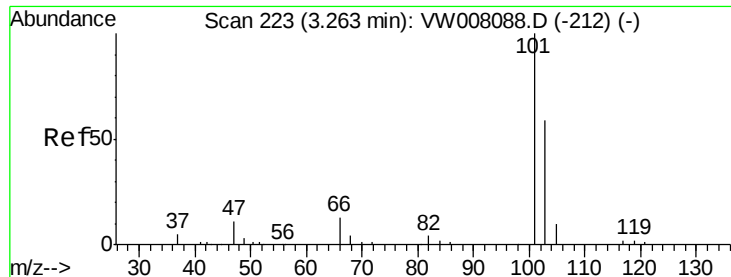
66 30.0 24.2 36.2



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



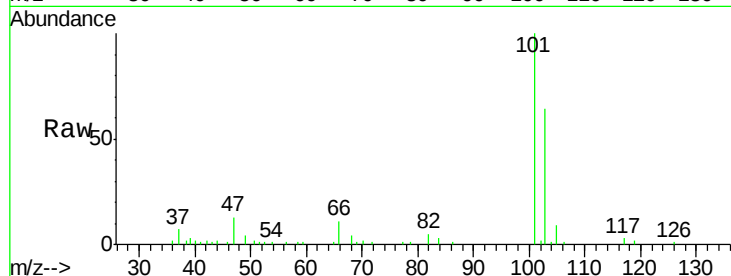


#7

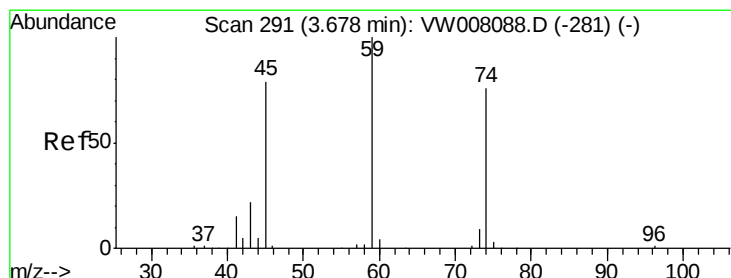
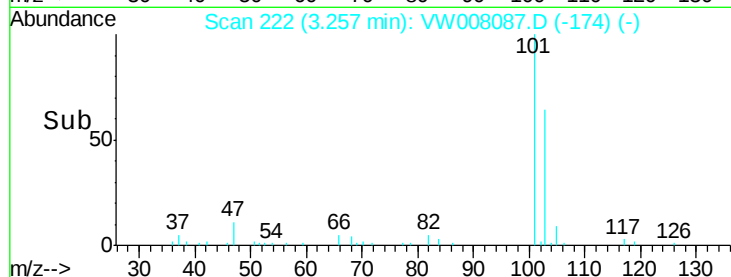
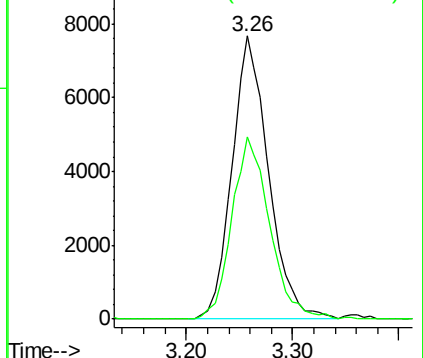
Trichlorofluoromethane
 Concen: 25.149 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW008087.D
 Acq: 08 Jan 2019 16:02

Instrument :
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Tot Ion:101 Resp: 18448
 Ion Ratio Lower Upper
 101 100
 103 64.3 47.0 70.6



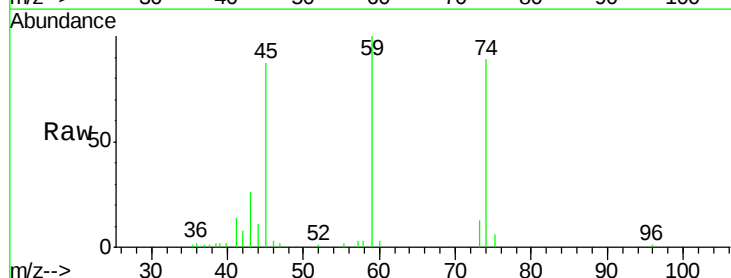
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



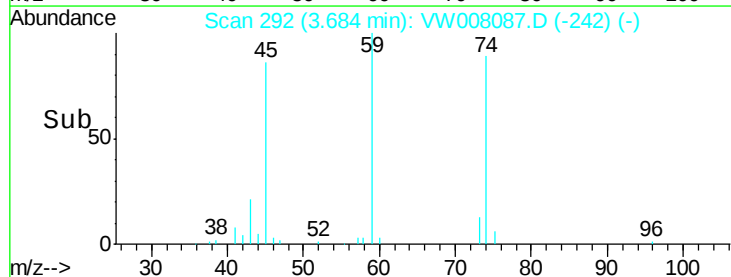
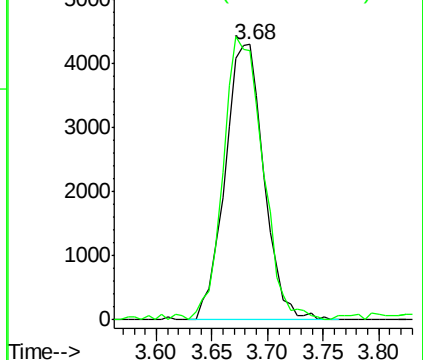
#8

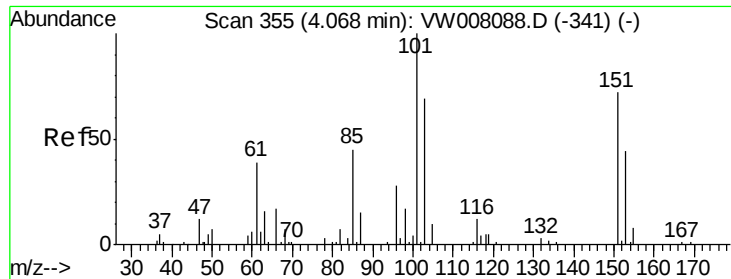
Diethyl Ether
 Concen: 26.865 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.01 min
 Lab File: VW008087.D
 Acq: 08 Jan 2019 16:02

Tgt Ion: 74 Resp: 10333
 Ion Ratio Lower Upper
 74 100
 45 105.9 52.4 157.3



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.304 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW008087.D

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VSTDIC020

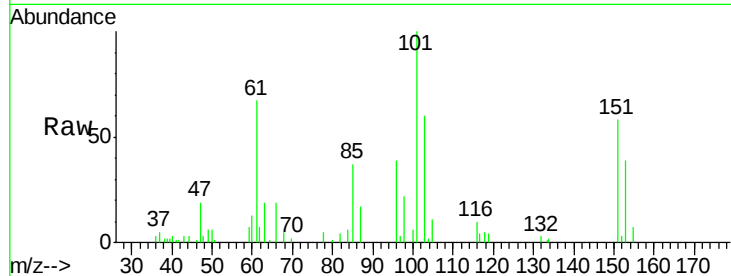
Tot Ion:101 Resp: 17025

Ion Ratio Lower Upper

101 100

85 45.9 35.9 53.9

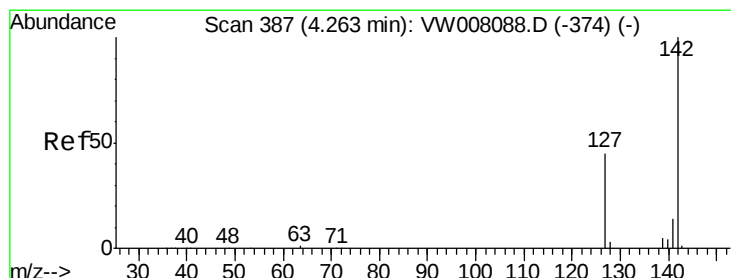
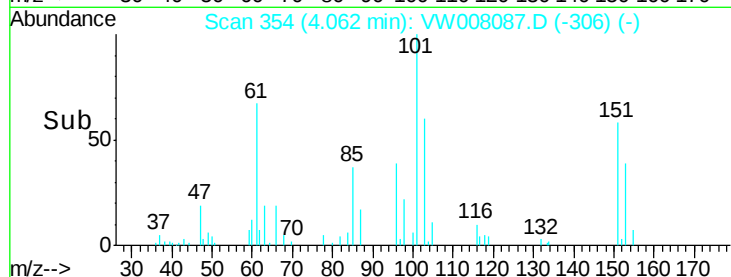
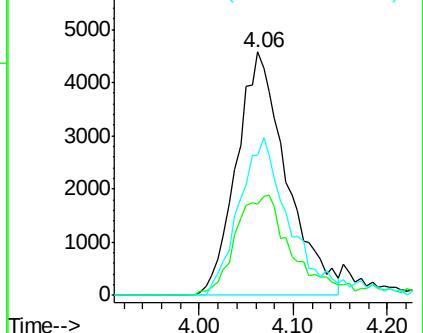
151 64.3 55.8 83.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.206 ug/l

RT: 4.26 min Scan# 387

Delta R.T. 0.00 min

Lab File: VW008087.D

Acq: 08 Jan 2019 16:02

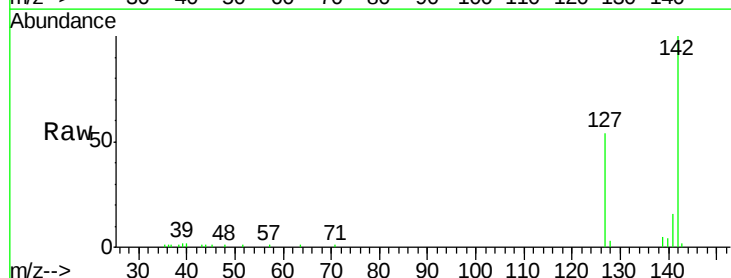
Tgt Ion:142 Resp: 24280

Ion Ratio Lower Upper

142 100

127 46.2 35.0 52.4

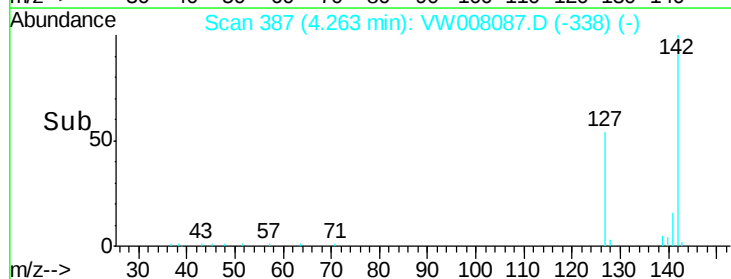
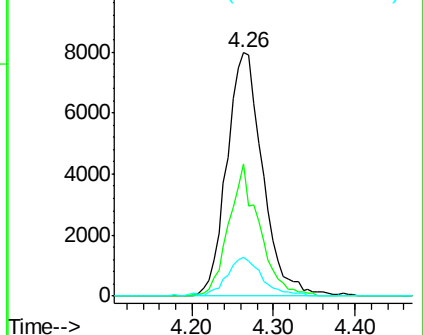
141 15.4 11.8 17.6

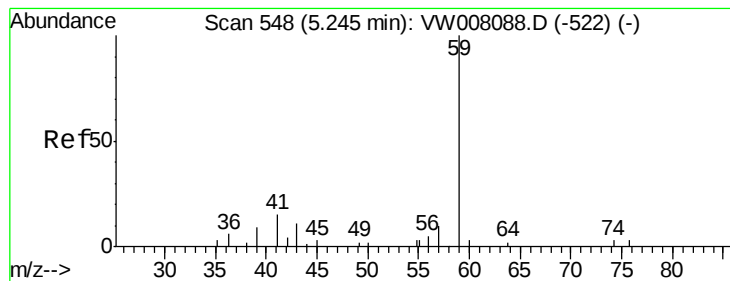


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 36.400 ug/l

RT: 5.22 min Scan# 544

Delta R.T. -0.02 min

Lab File: VW008087.D

Acq: 08 Jan 2019 16:02

Instrument :

MSVOA_W

ClientSampleId :

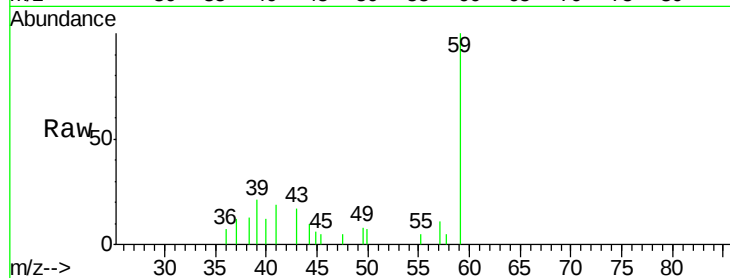
VSTDIC020

Tot Ion: 59 Resp: 2127

Ion Ratio Lower Upper

59 100

57 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.22

1200

1000

800

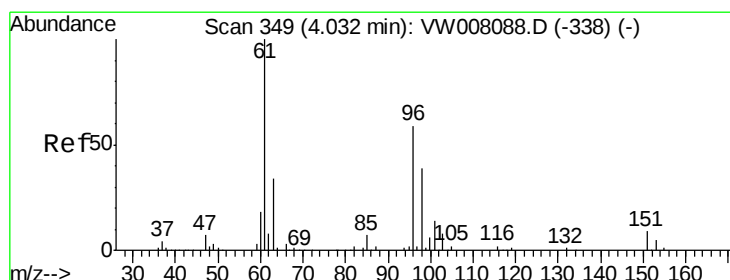
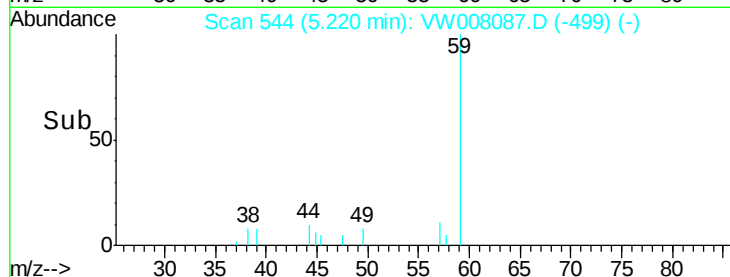
600

400

200

0

Time-->



#12

1,1-Dichloroethene

Concen: 20.491 ug/l

RT: 4.03 min Scan# 349

Delta R.T. 0.00 min

Lab File: VW008087.D

Acq: 08 Jan 2019 16:02

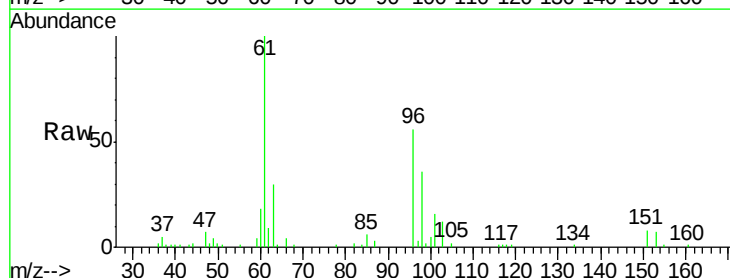
Tgt Ion: 96 Resp: 16622

Ion Ratio Lower Upper

96 100

61 179.1 135.4 203.2

98 63.9 52.5 78.7



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

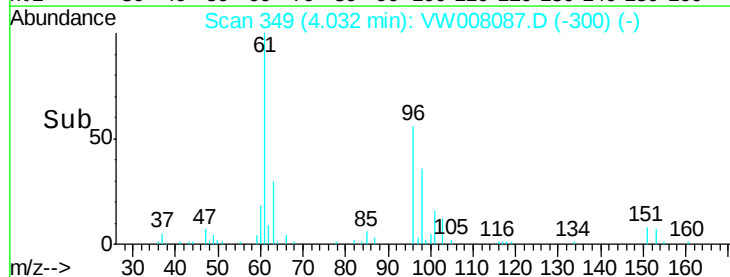
15000

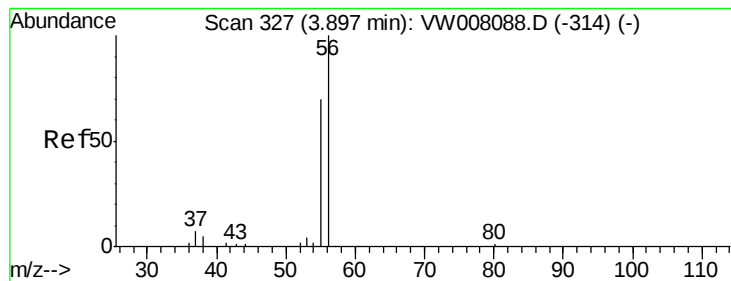
10000

5000

0

Time-->





#13

Acrolein

Concen: 112.925 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.00 min

Lab File: VW008087.D

Acq: 08 Jan 2019 16:02

Instrument :

MSVOA_W

ClientSampleId :

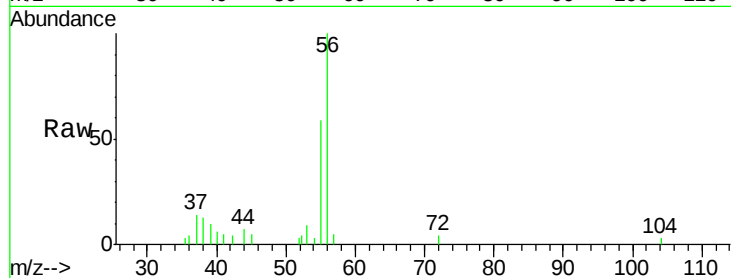
VSTDIC020

Tot Ion: 56 Resp: 4879

Ion Ratio Lower Upper

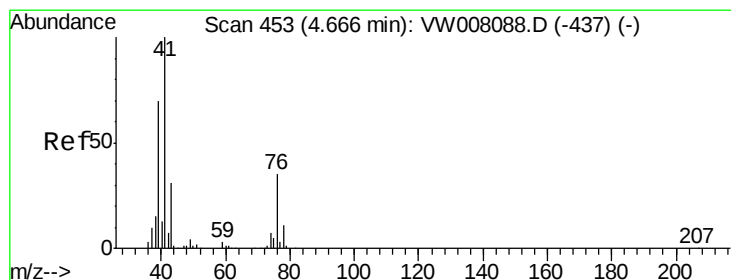
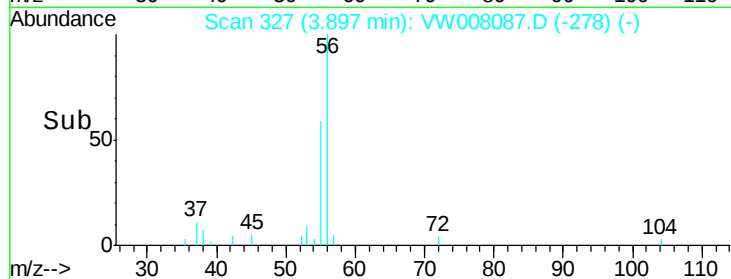
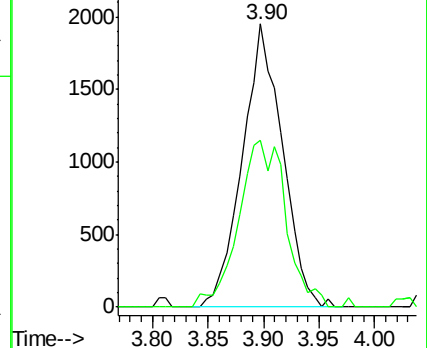
56 100

55 69.7 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: 28.706 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW008087.D

Acq: 08 Jan 2019 16:02

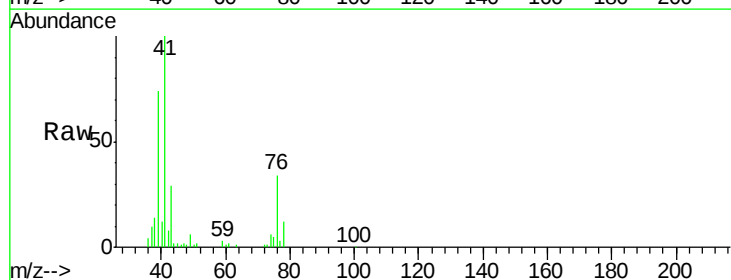
Tgt Ion: 41 Resp: 33443

Ion Ratio Lower Upper

41 100

39 67.2 53.8 80.8

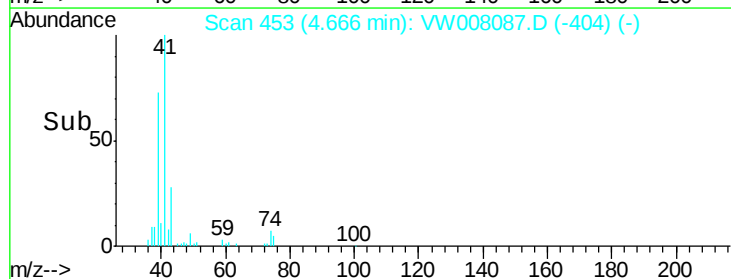
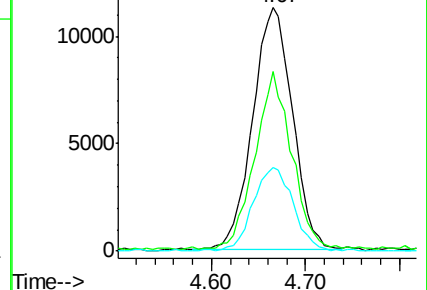
76 34.7 27.6 41.4

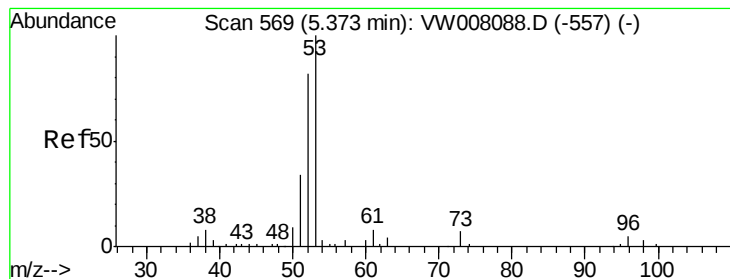


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 146.897 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.01 min

Lab File: VW008087.D

Acq: 08 Jan 2019 16:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

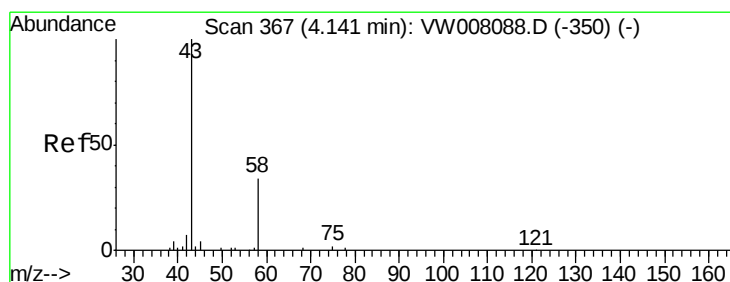
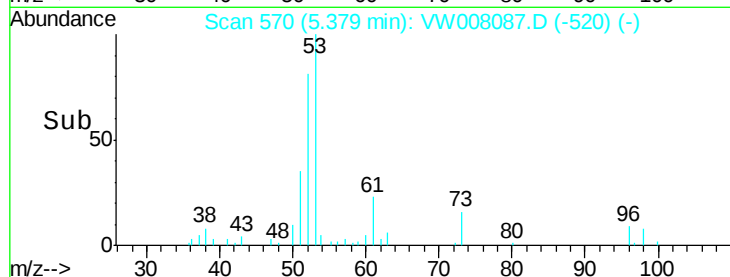
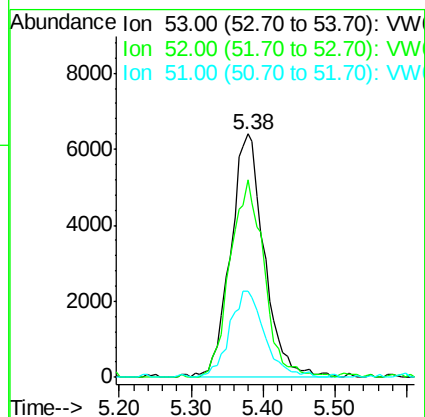
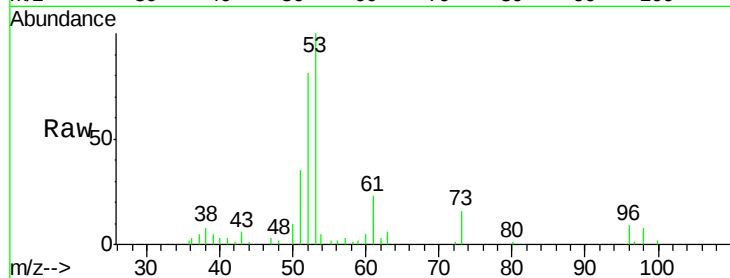
Tot Ion: 53 Resp: 20766

Ion Ratio Lower Upper

53 100

52 82.1 66.8 100.2

51 36.9 29.7 44.5



#16

Acetone

Concen: 135.169 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.00 min

Lab File: VW008087.D

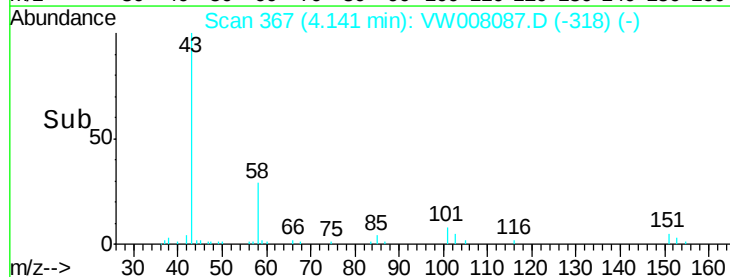
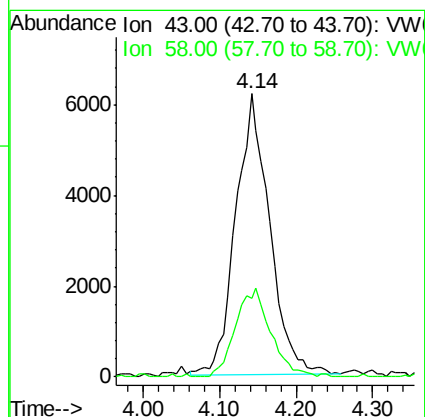
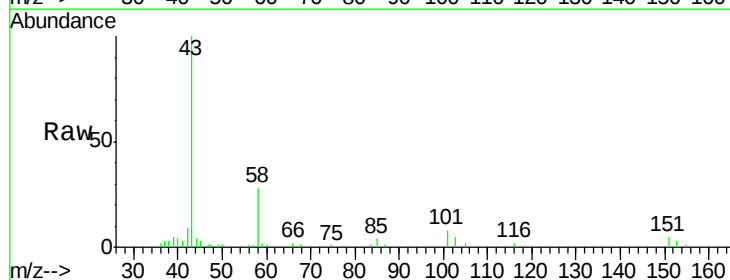
Acq: 08 Jan 2019 16:02

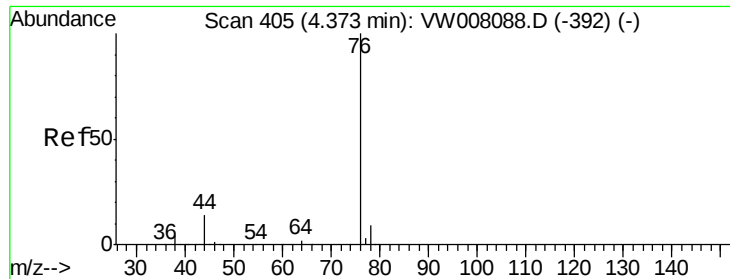
Tgt Ion: 43 Resp: 19174

Ion Ratio Lower Upper

43 100

58 28.5 27.5 41.3

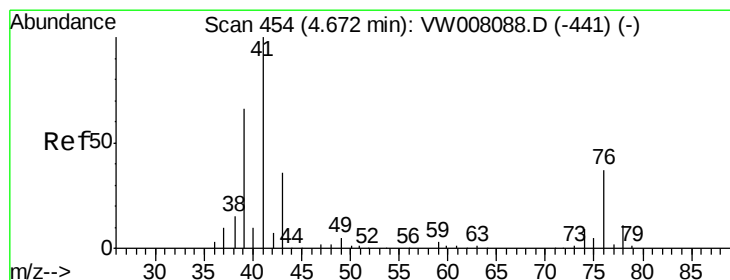
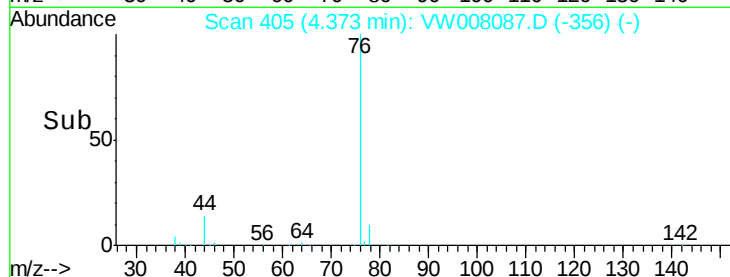
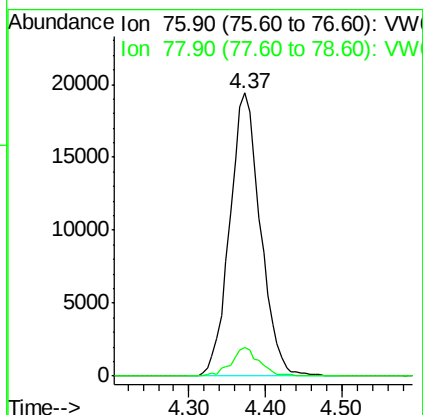
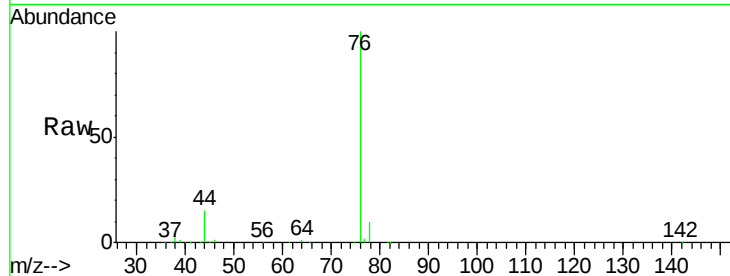




#17
Carbon Disulfide
Concen: 21.803 ug/l
RT: 4.37 min Scan# 405
Delta R.T. 0.00 min
Lab File: VW008087.D
Acq: 08 Jan 2019 16:02

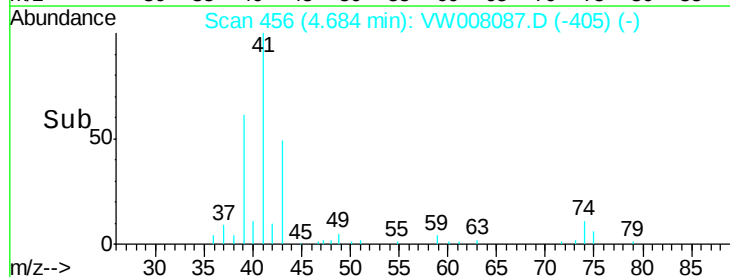
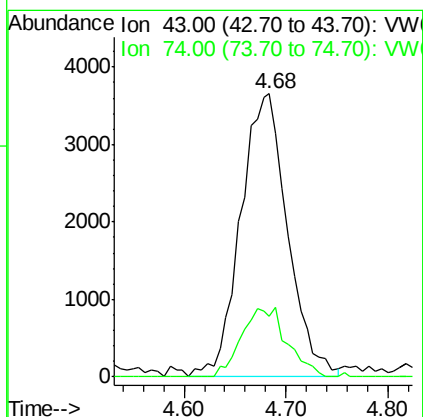
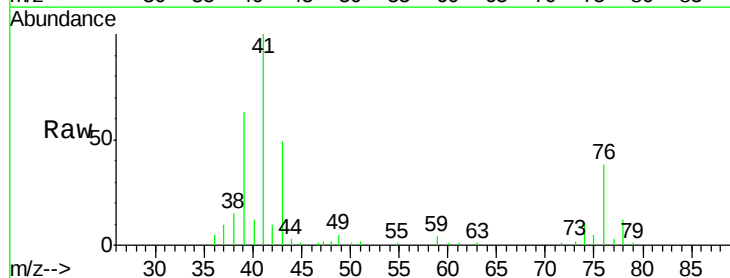
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

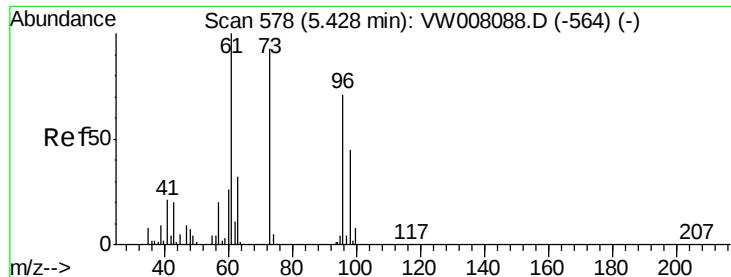
Tot Ion: 76 Resp: 54126
Ion Ratio Lower Upper
76 100
78 10.2 7.0 10.6



#18
Methyl Acetate
Concen: 30.163 ug/l
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW008087.D
Acq: 08 Jan 2019 16:02

Tgt Ion: 43 Resp: 11721
Ion Ratio Lower Upper
43 100
74 23.5 19.0 28.4

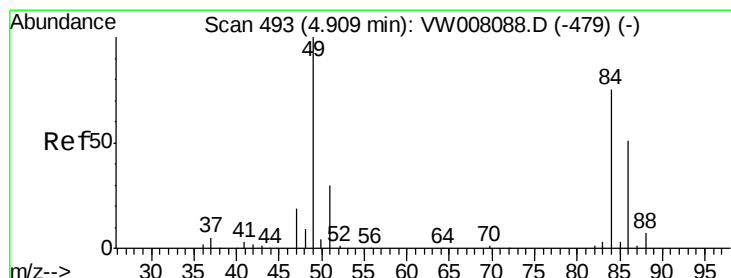
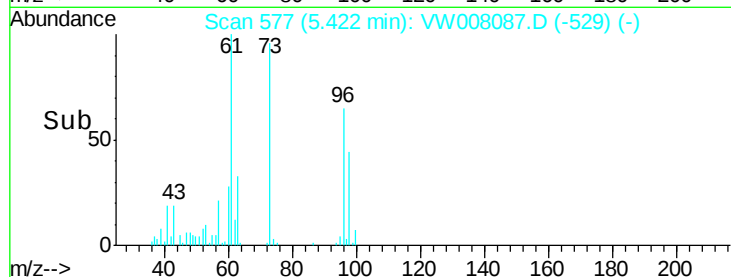
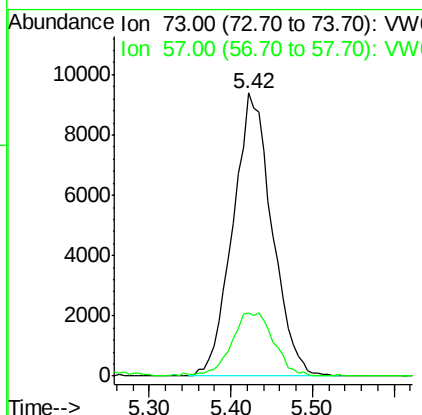
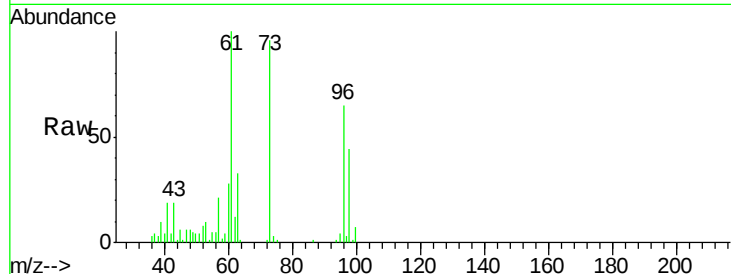




#19
Methyl tert-butyl Ether
Concen: 24.496 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW008087.D
Acq: 08 Jan 2019 16:02

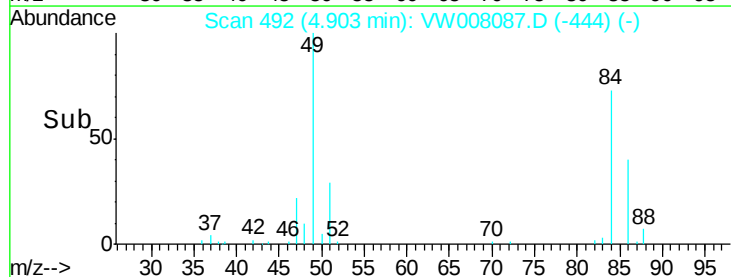
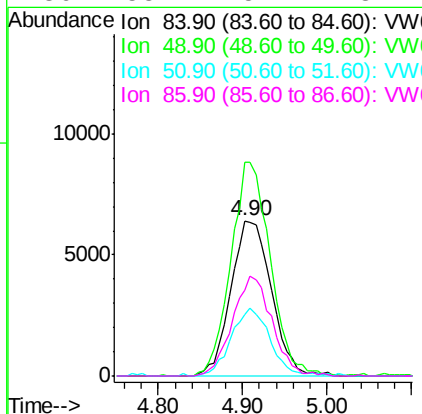
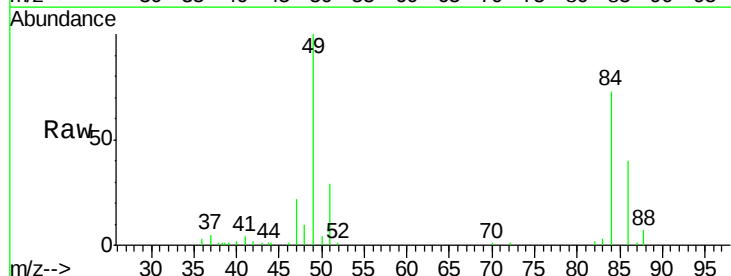
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

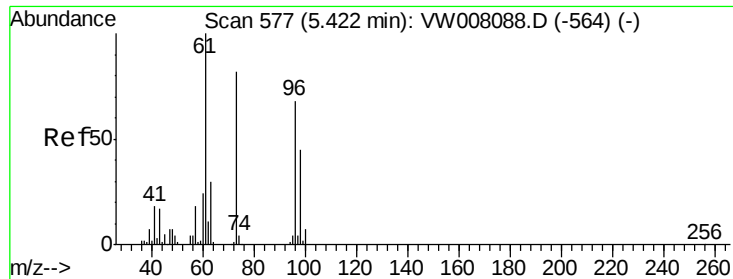
Tot Ion: 73 Resp: 31309
Ion Ratio Lower Upper
73 100
57 21.6 16.7 25.1



#20
Methylene Chloride
Concen: 22.051 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW008087.D
Acq: 08 Jan 2019 16:02

Tgt Ion: 84 Resp: 20989
Ion Ratio Lower Upper
84 100
49 137.4 107.1 160.7
51 39.7 32.4 48.6
86 55.1 54.2 81.4





#21

trans-1,2-Dichloroethene

Concen: 22.840 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW008087.D

Acq: 08 Jan 2019 16:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

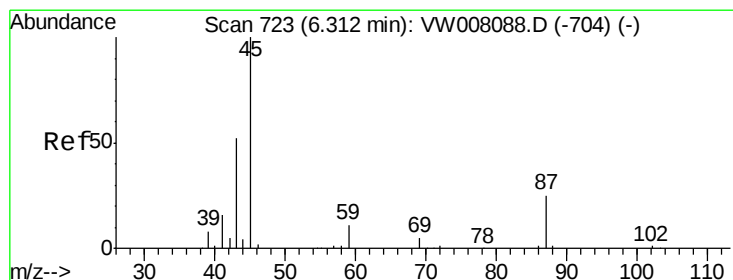
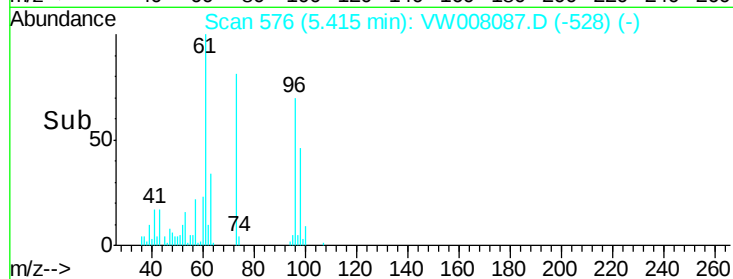
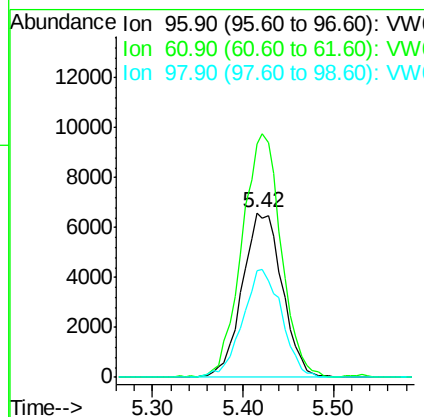
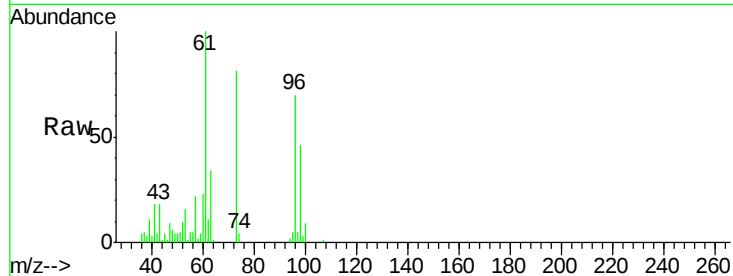
Tot Ion: 96 Resp: 20141

Ion Ratio Lower Upper

96 100

61 142.1 117.4 176.0

98 65.2 52.2 78.4



#22

Diisopropyl ether

Concen: 31.617 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW008087.D

Acq: 08 Jan 2019 16:02

Tgt Ion: 45 Resp: 66659

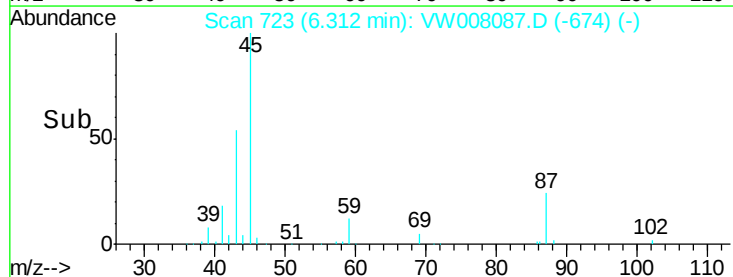
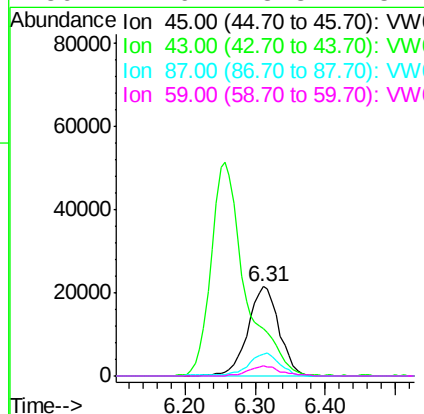
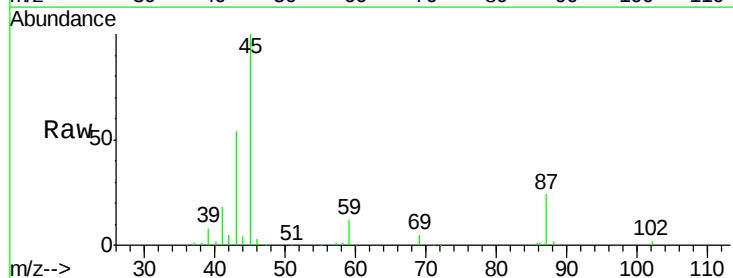
Ion Ratio Lower Upper

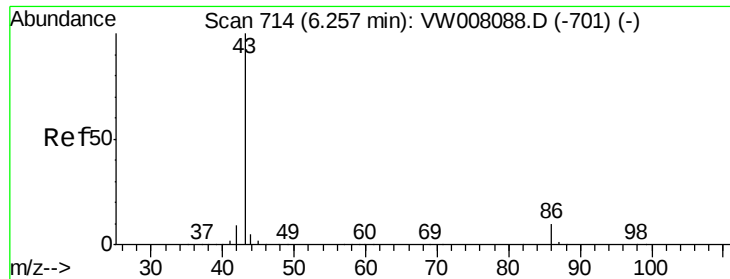
45 100

43 53.1 41.7 62.5

87 24.4 20.1 30.1

59 11.6 8.8 13.2





#23

Vinyl Acetate

Concen: 149.420 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW008087.D

Acq: 08 Jan 2019 16:02

Instrument :

MSVOA_W

ClientSampleId :

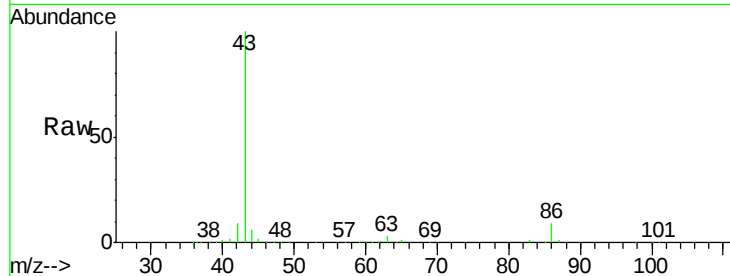
VSTDIC020

Tot Ion: 43 Resp: 174003

Ion Ratio Lower Upper

43 100

86 9.3 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

50000

40000

30000

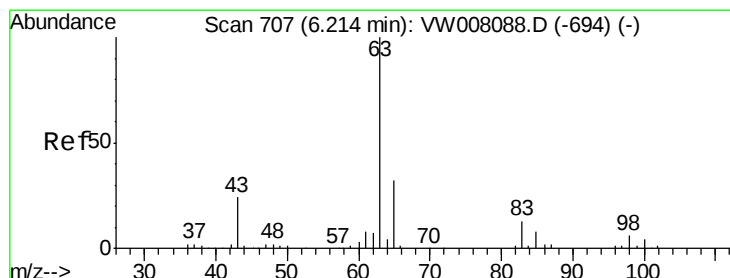
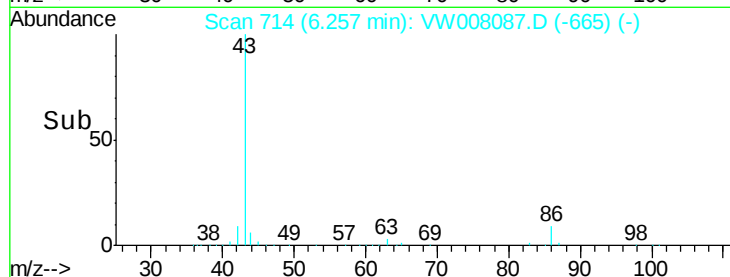
20000

10000

0

Time-->

6.10 6.20 6.30 6.40



#24

1,1-Dichloroethane

Concen: 25.298 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW008087.D

Acq: 08 Jan 2019 16:02

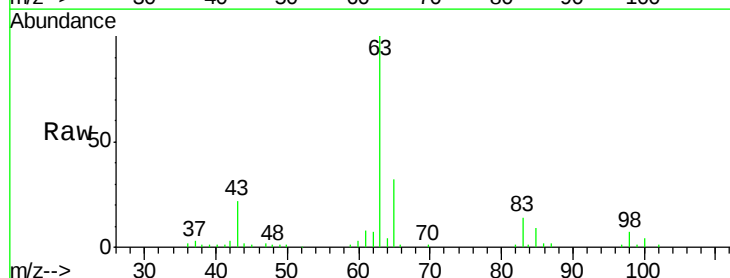
Tgt Ion: 63 Resp: 37655

Ion Ratio Lower Upper

63 100

98 7.2 3.2 9.6

100 4.4 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

15000

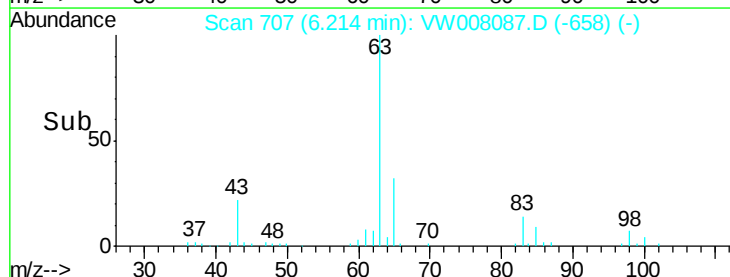
10000

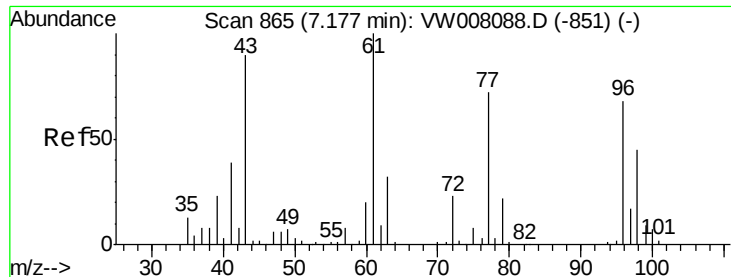
5000

0

Time-->

6.10 6.20 6.30





#25

2-Butanone

Concen: 157.808 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW008087.D

Acq: 08 Jan 2019 16:02

Instrument :

MSVOA_W

ClientSampleId :

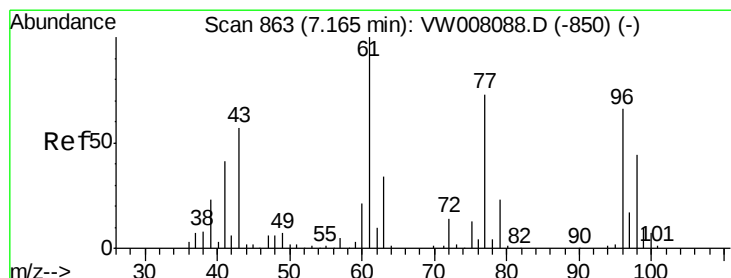
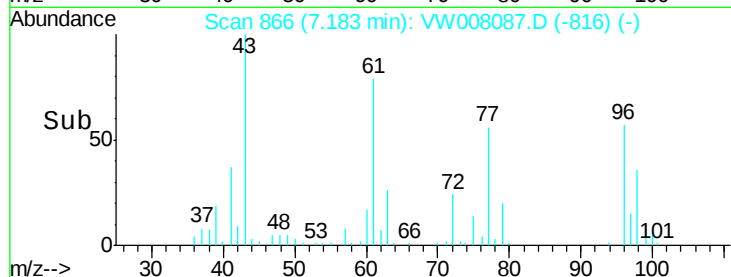
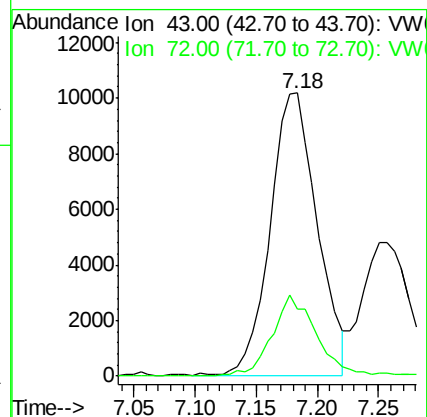
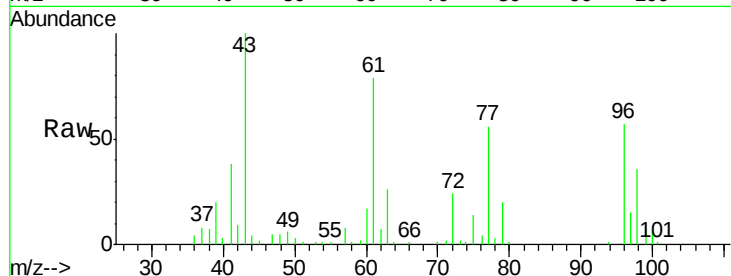
VSTDIC020

Tot Ion: 43 Resp: 27342

Ion Ratio Lower Upper

43 100

72 23.8 20.5 30.7



#26

2,2-Dichloropropane

Concen: 22.174 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW008087.D

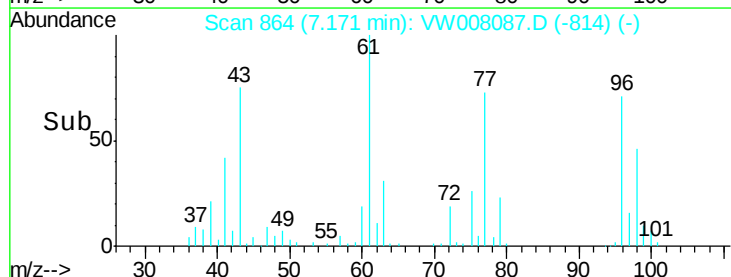
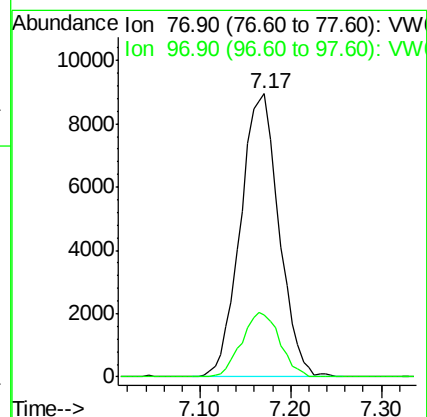
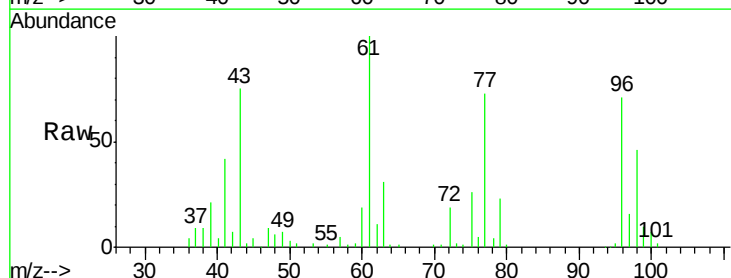
Acq: 08 Jan 2019 16:02

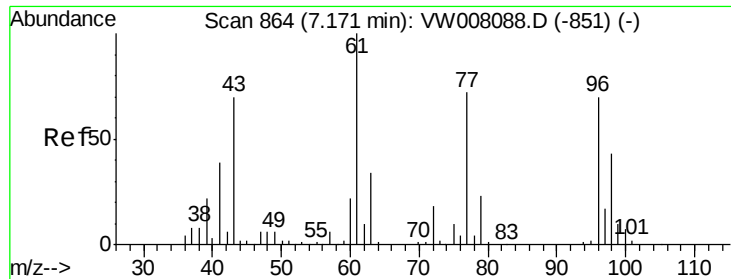
Tgt Ion: 77 Resp: 26310

Ion Ratio Lower Upper

77 100

97 22.3 11.4 34.1



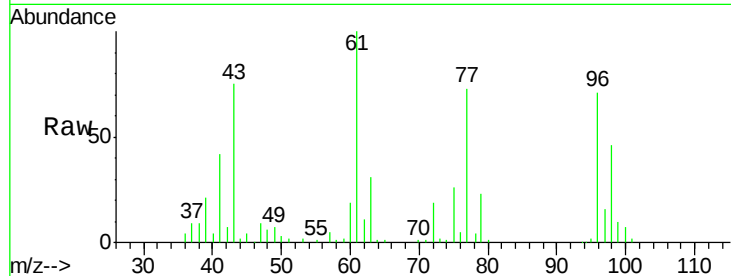


#27

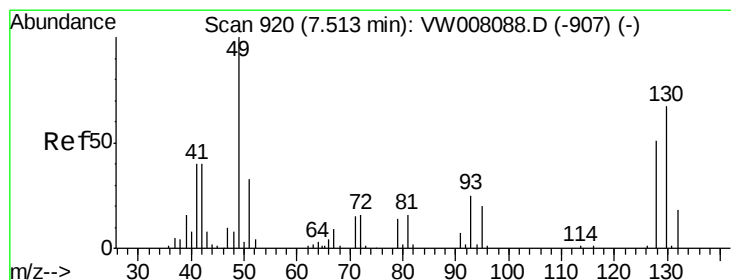
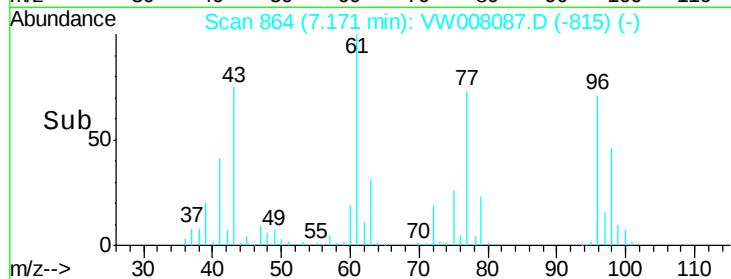
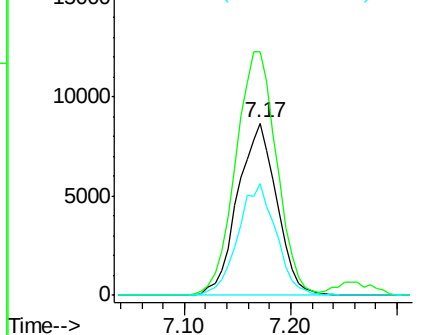
cis-1,2-Dichloroethene
 Concen: 23.666 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW008087.D
 Acq: 08 Jan 2019 16:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion: 96 Resp: 22289
 Ion Ratio Lower Upper
 96 100
 61 148.8 0.0 300.4
 98 63.2 0.0 128.4



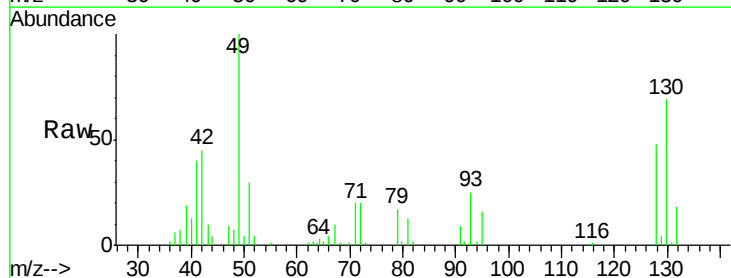
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



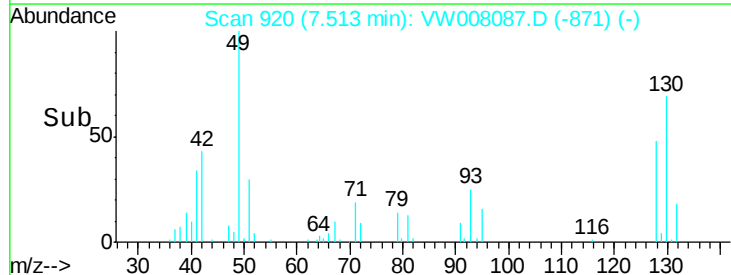
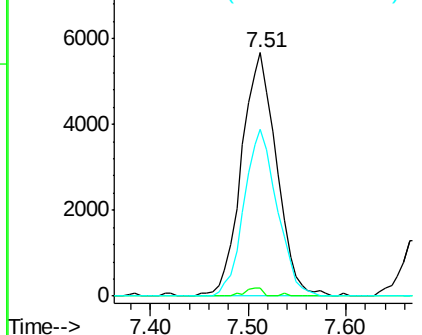
#28

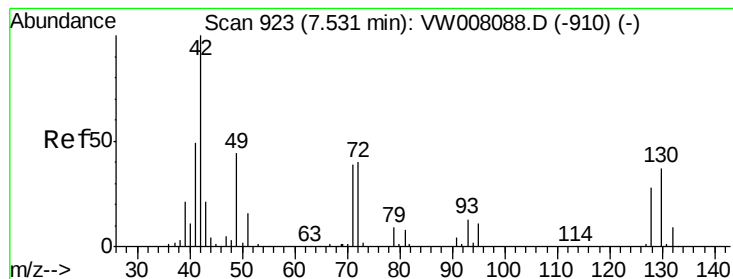
Bromochloromethane
 Concen: 27.851 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW008087.D
 Acq: 08 Jan 2019 16:02

Tgt Ion: 49 Resp: 14090
 Ion Ratio Lower Upper
 49 100
 129 1.7 0.0 2.8
 130 64.9 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: 162.404 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW008087.D

Acq: 08 Jan 2019 16:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

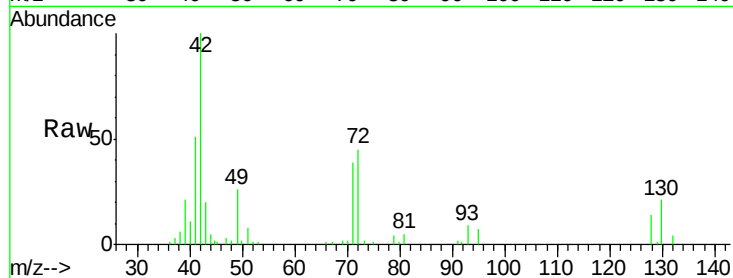
Tot Ion: 42 Resp: 17892

Ion Ratio Lower Upper

42 100

72 41.0 32.4 48.6

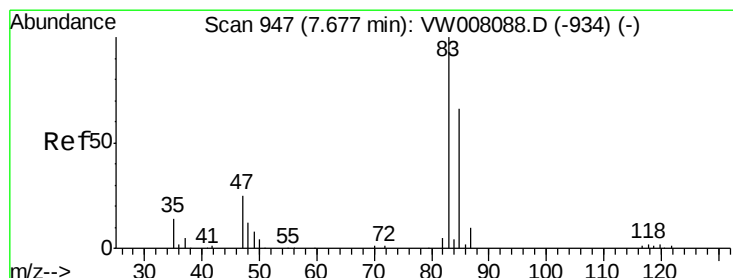
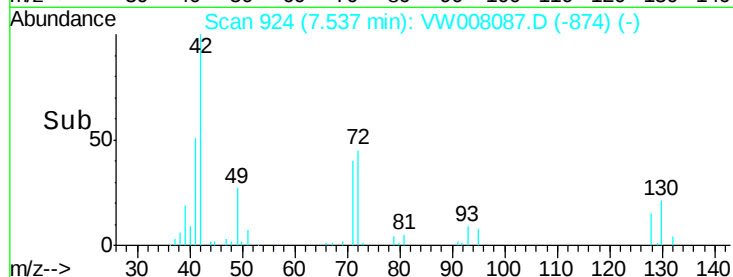
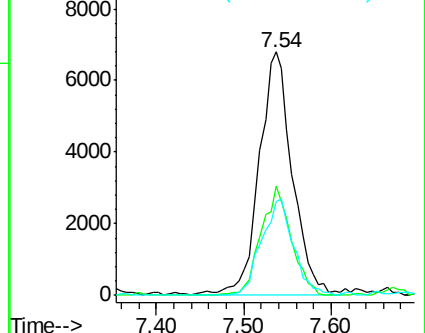
71 38.0 31.3 46.9



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: 22.539 ug/l

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW008087.D

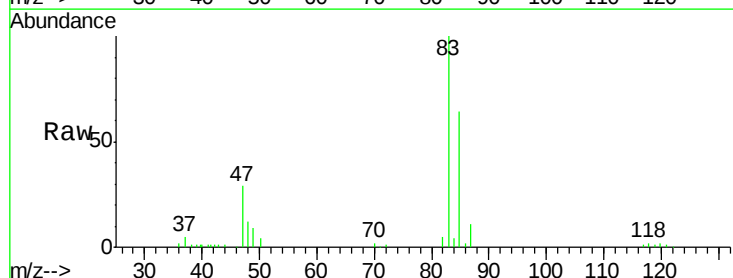
Acq: 08 Jan 2019 16:02

Tgt Ion: 83 Resp: 36676

Ion Ratio Lower Upper

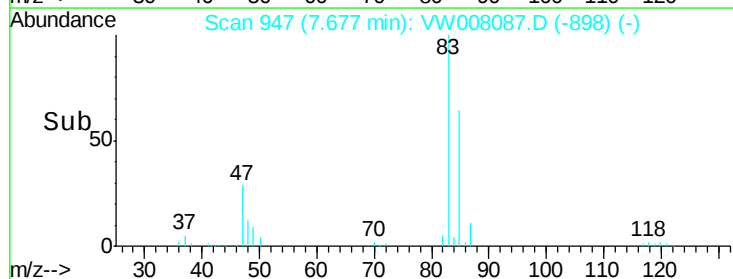
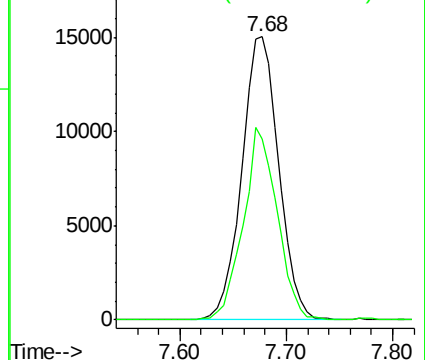
83 100

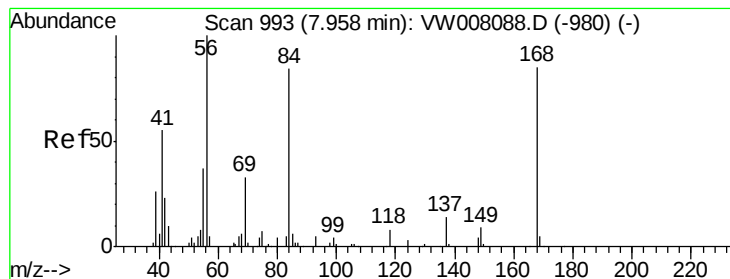
85 64.1 53.2 79.8



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 28.749 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW008087.D

Acq: 08 Jan 2019 16:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

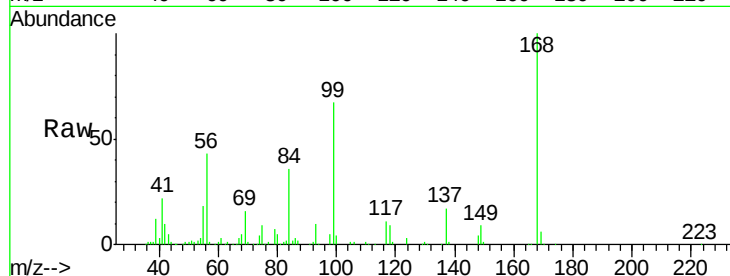
Tot Ion: 56 Resp: 41090

Ion Ratio Lower Upper

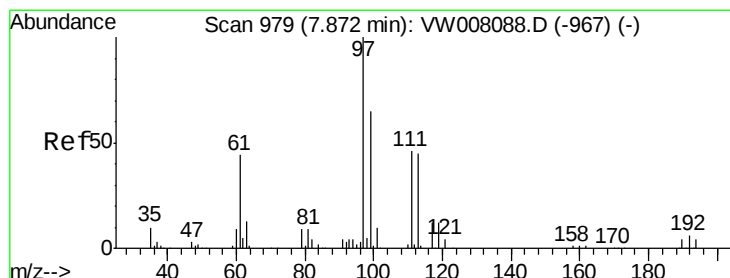
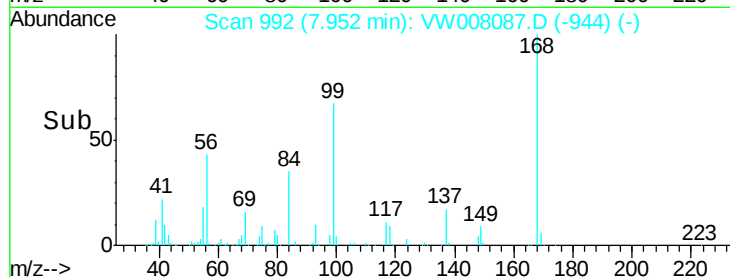
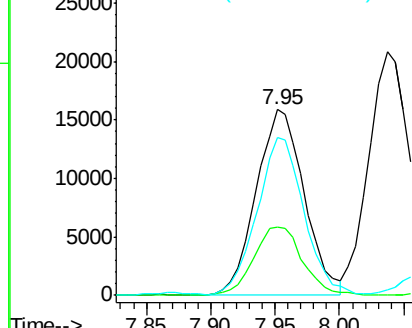
56 100

69 36.8 26.2 39.4

84 84.3 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: 20.580 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW008087.D

Acq: 08 Jan 2019 16:02

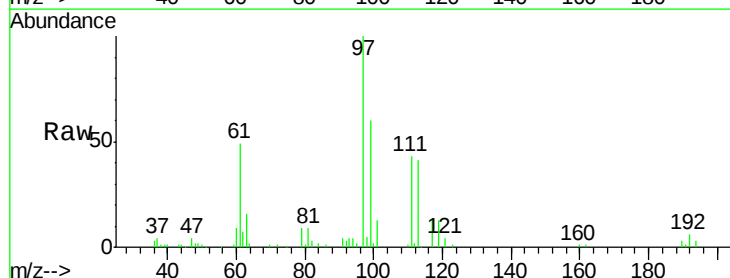
Tgt Ion: 97 Resp: 31470

Ion Ratio Lower Upper

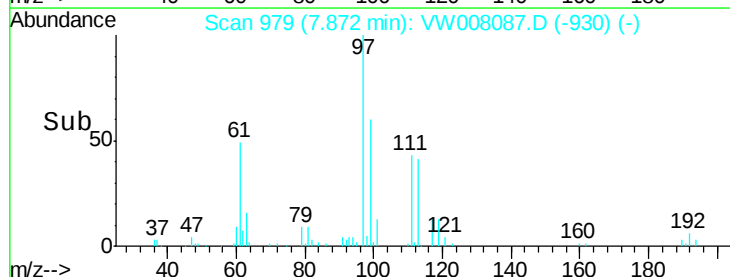
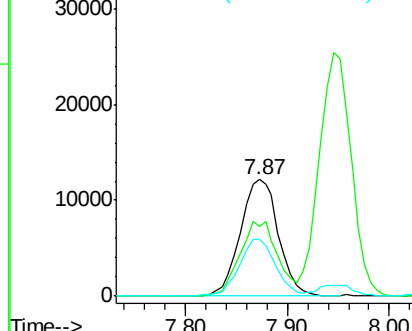
97 100

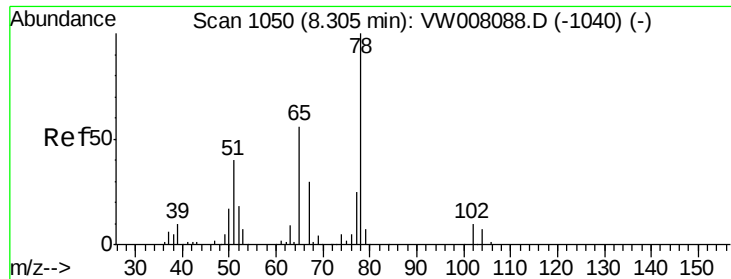
99 64.1 51.4 77.0

61 47.0 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

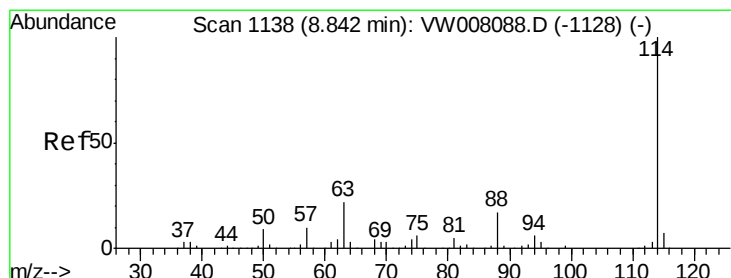
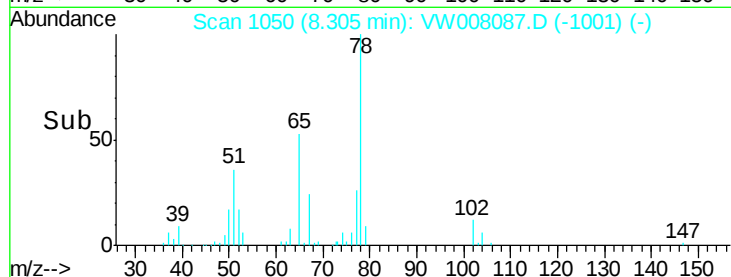
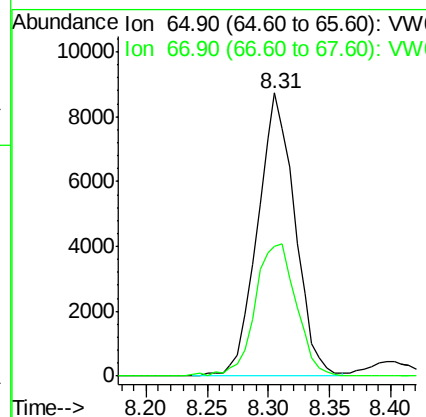
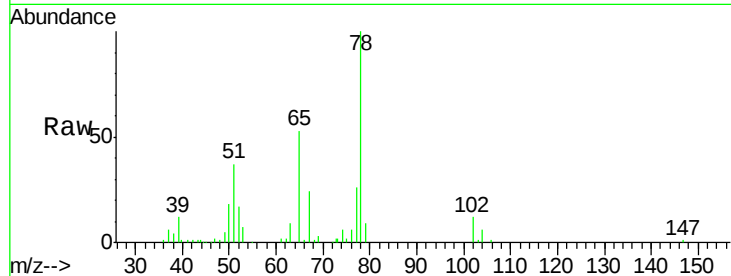




#33
 1,2-Dichloroethane-d4
 Concen: 20.804 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008087.D
 Acq: 08 Jan 2019 16:02

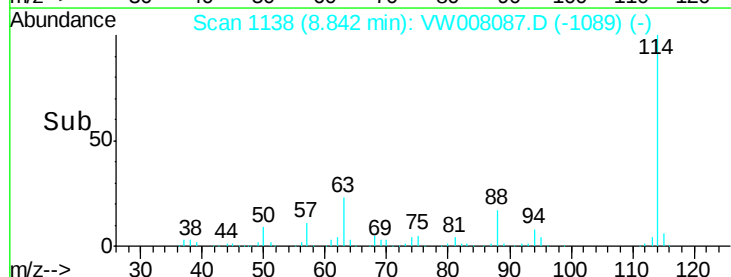
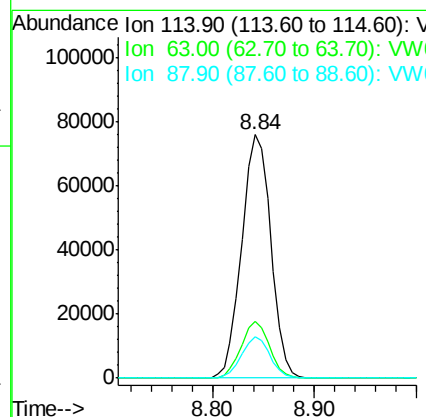
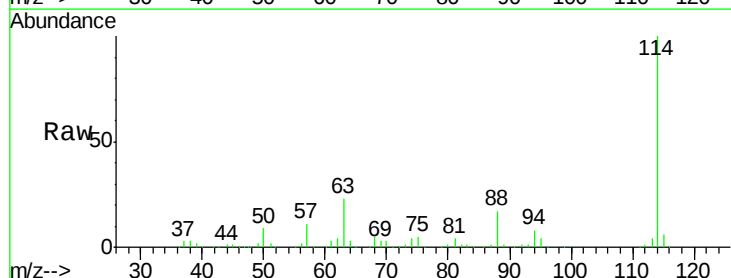
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

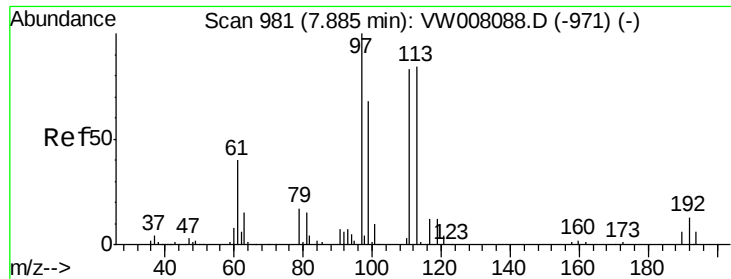
Tot Ion: 65 Resp: 18545
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008087.D
 Acq: 08 Jan 2019 16:02

Tgt Ion: 114 Resp: 150043
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 43.4
 88 17.0 0.0 33.4





#35

Dibromofluoromethane

Concen: 17.962 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008087.D

Acq: 08 Jan 2019 16:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

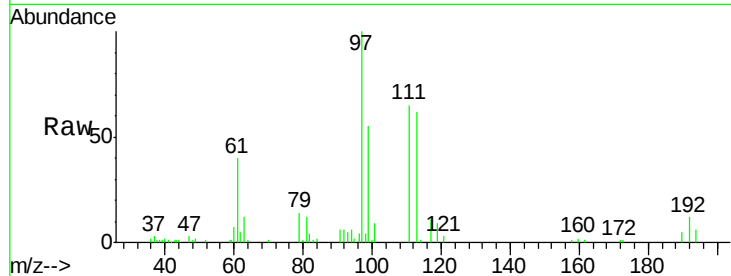
Tot Ion:113 Resp: 16709

Ion Ratio Lower Upper

113 100

111 98.1 81.8 122.8

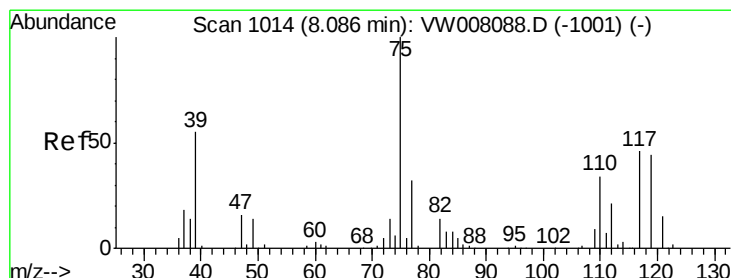
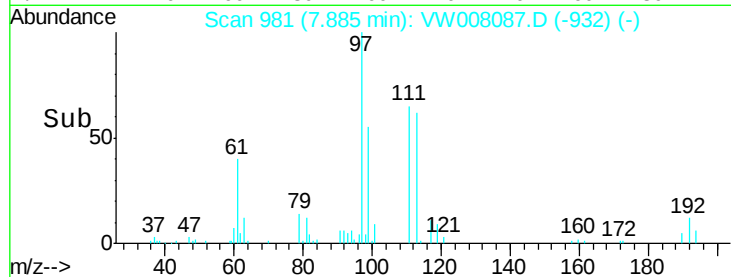
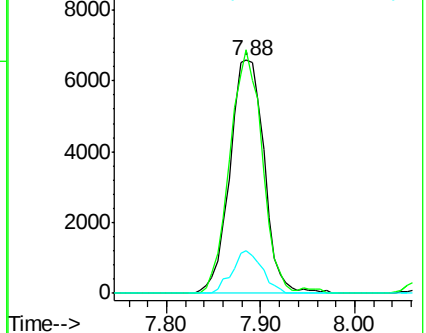
192 15.8 12.8 19.2



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: 21.026 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VW008087.D

Acq: 08 Jan 2019 16:02

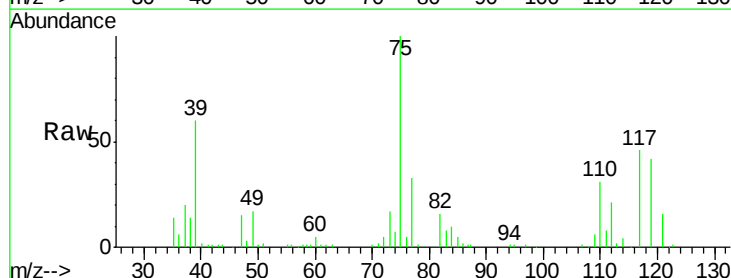
Tgt Ion: 75 Resp: 30888

Ion Ratio Lower Upper

75 100

110 34.0 17.1 51.3

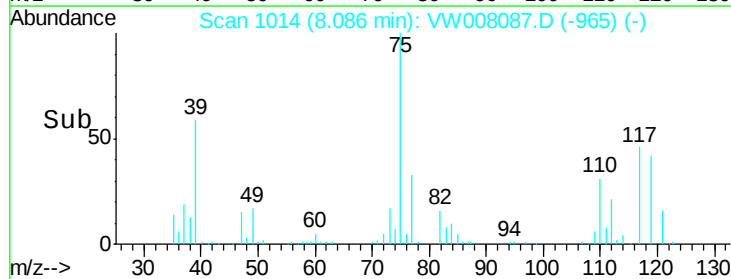
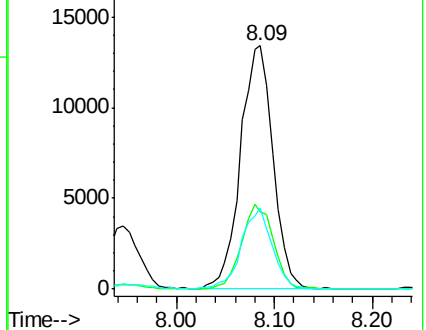
77 31.7 25.5 38.3

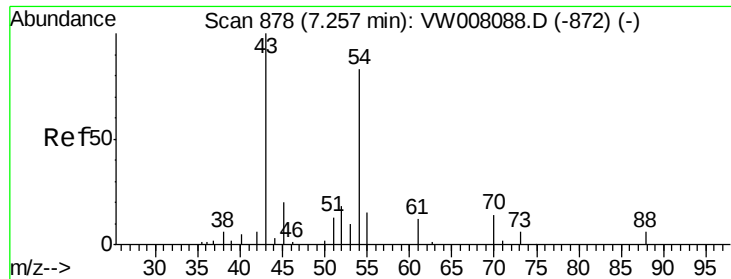


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 25.920 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.01 min

Lab File: VW008087.D

Acq: 08 Jan 2019 16:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

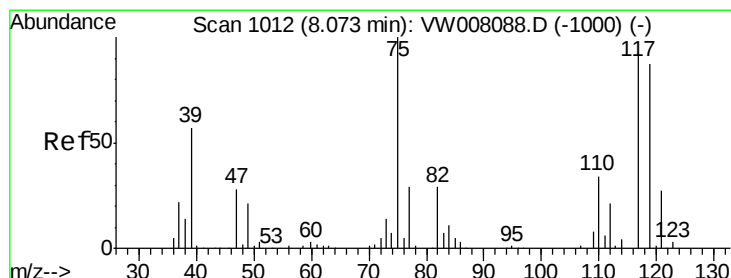
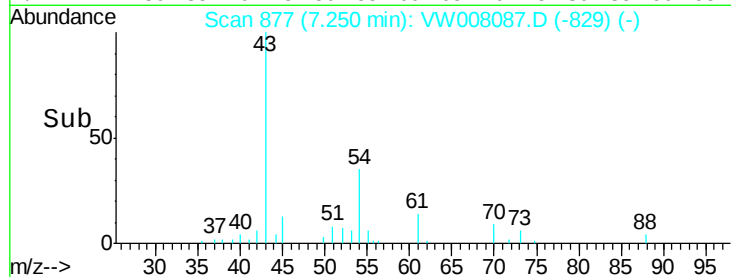
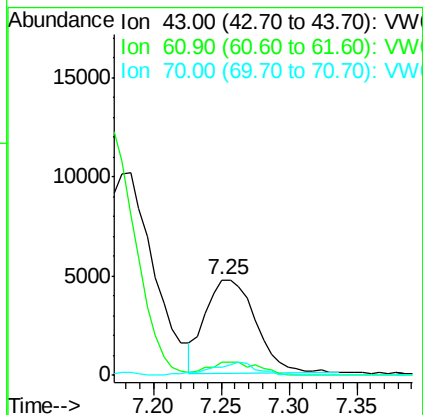
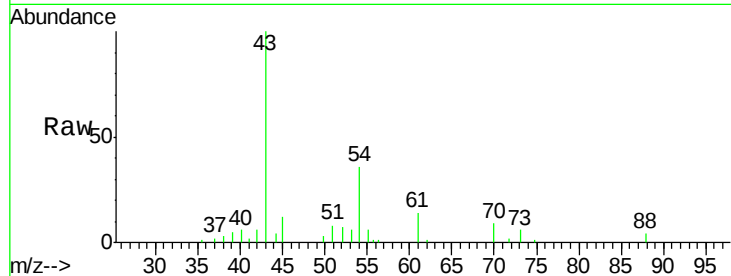
Tot Ion: 43 Resp: 12142

Ion Ratio Lower Upper

43 100

61 14.2 10.6 16.0

70 12.4 8.9 13.3



#38

Carbon Tetrachloride

Concen: 16.815 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VW008087.D

Acq: 08 Jan 2019 16:02

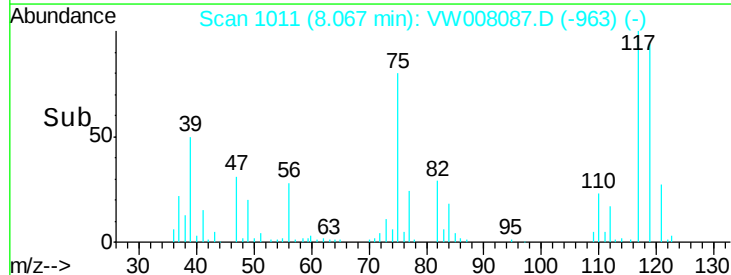
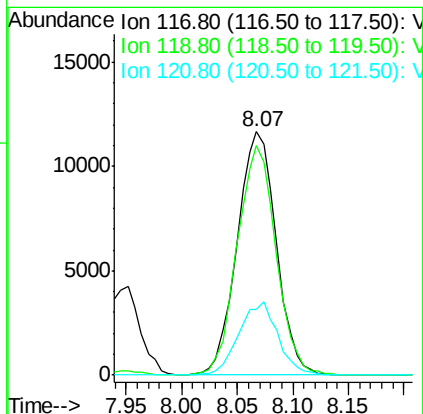
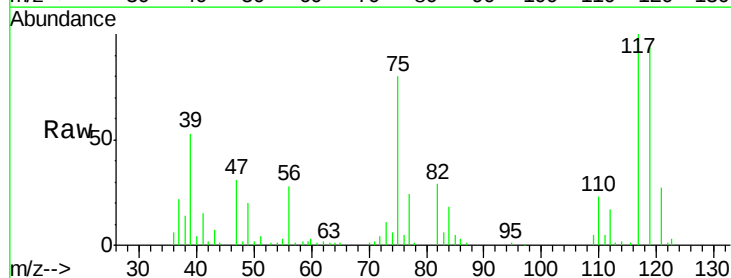
Tgt Ion: 117 Resp: 28438

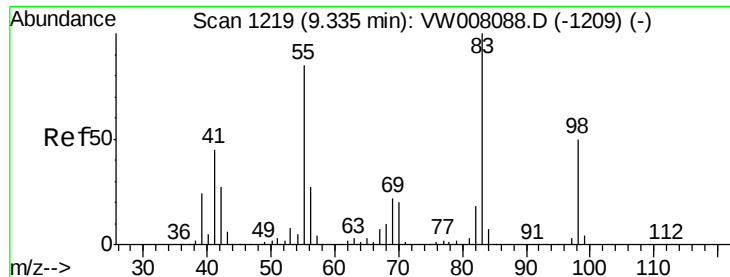
Ion Ratio Lower Upper

117 100

119 94.1 75.8 113.8

121 26.8 23.7 35.5

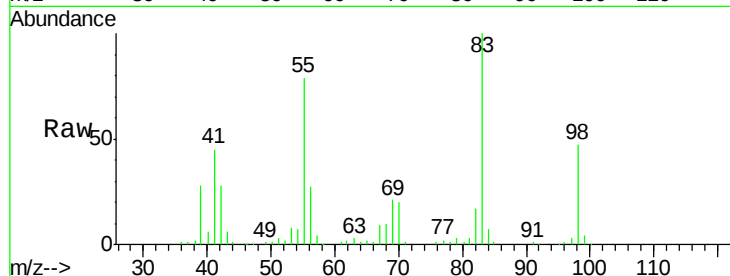




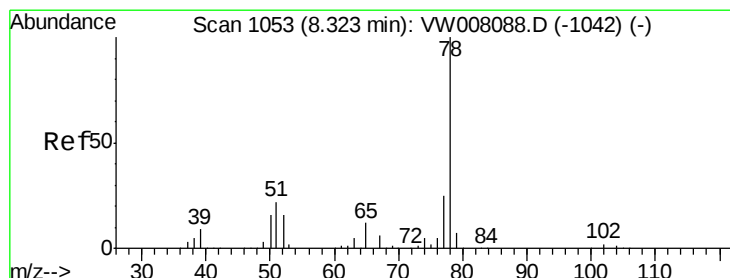
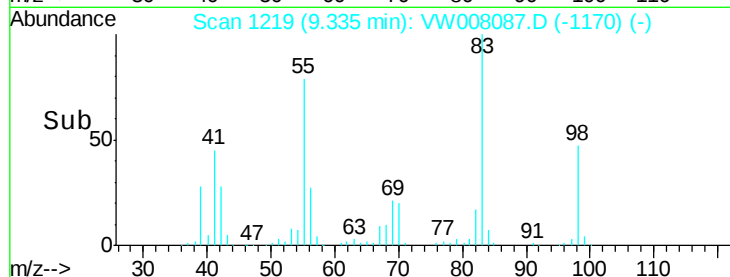
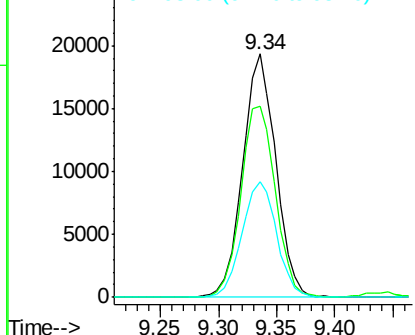
#39
Methvlcvclohexane
Concen: 20.828 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW008087.D
Acq: 08 Jan 2019 16:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 83 Resp: 38343
Ion Ratio Lower Upper
83 100
55 78.7 67.8 101.6
98 47.4 40.2 60.4

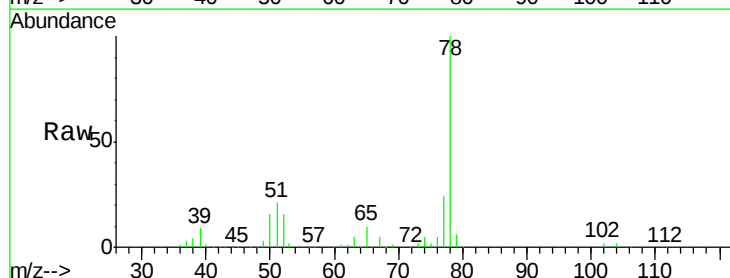


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

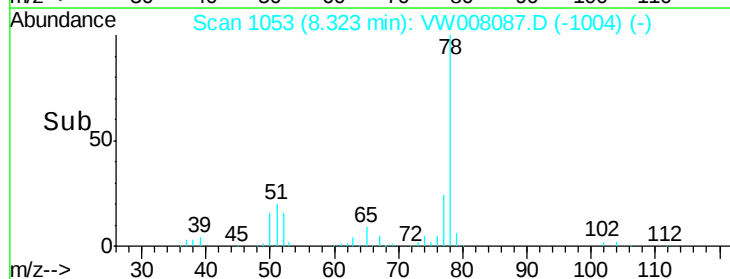
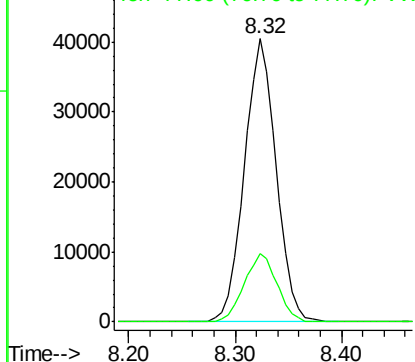


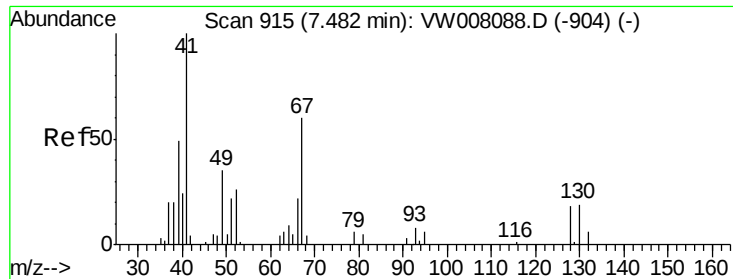
#40
Benzene
Concen: 21.678 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW008087.D
Acq: 08 Jan 2019 16:02

Tgt Ion: 78 Resp: 84661
Ion Ratio Lower Upper
78 100
77 24.1 20.2 30.4



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW

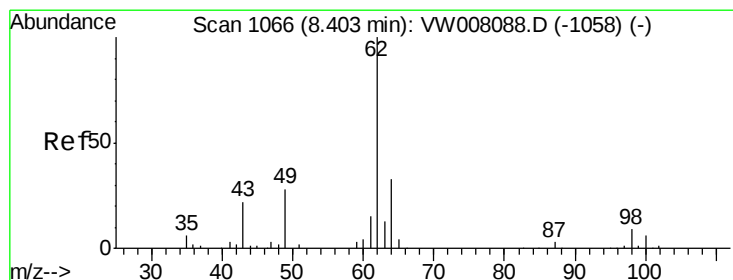
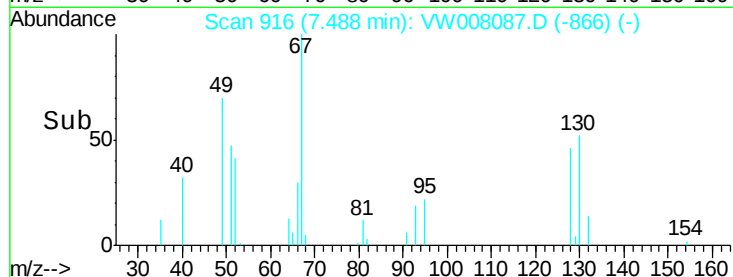
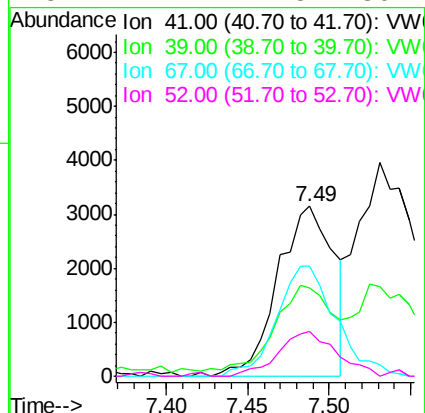
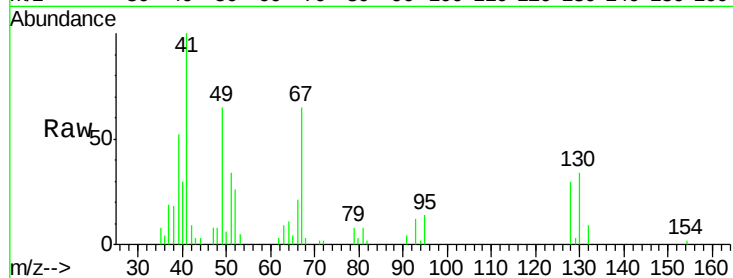




#41
Methacrylonitrile
Concen: 27.982 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW008087.D
Acq: 08 Jan 2019 16:02

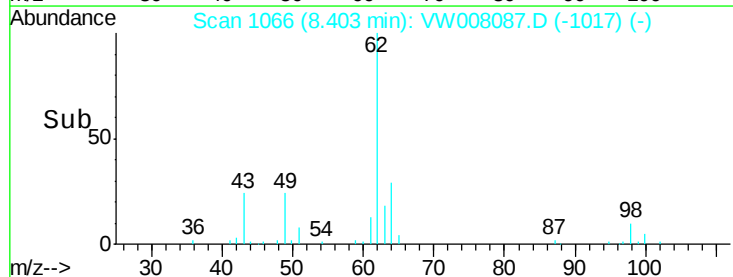
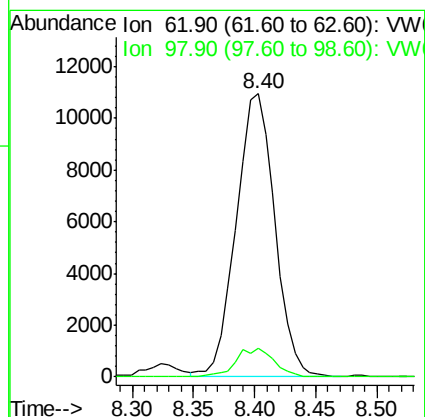
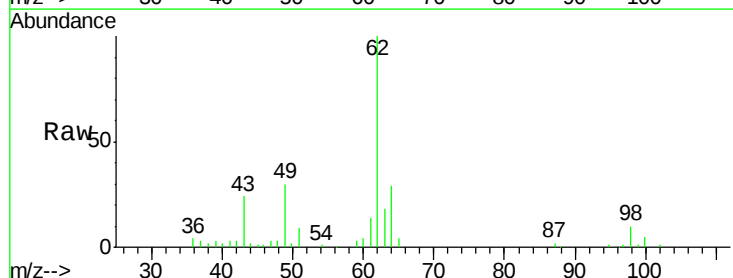
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

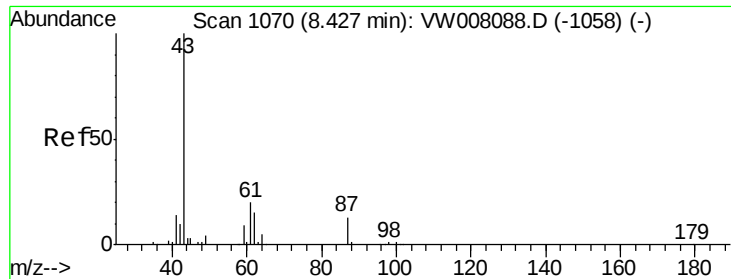
Tot Ion:	41	Resp:	7518
Ion	Ratio	Lower	Upper
41	100		
39	51.1	47.9	71.9
67	67.9	56.3	84.5
52	27.2	24.5	36.7



#42
1,2-Dichloroethane
Concen: 19.005 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW008087.D
Acq: 08 Jan 2019 16:02

Tgt Ion:	62	Resp:	24040
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	18.6





#43

Isopropyl Acetate

Concen: 27.090 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW008087.D

Acq: 08 Jan 2019 16:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

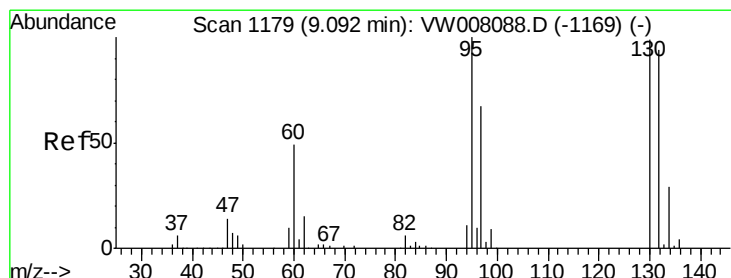
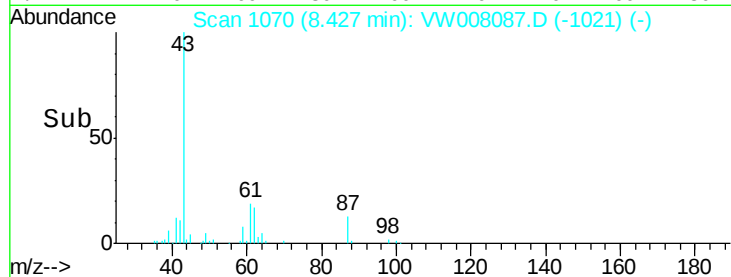
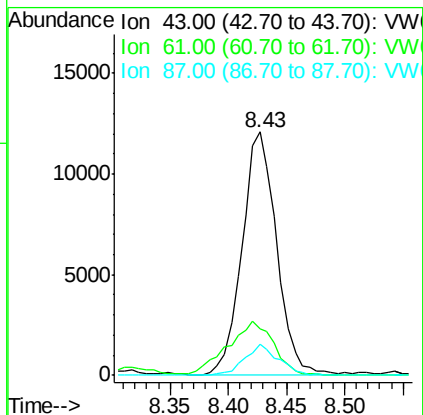
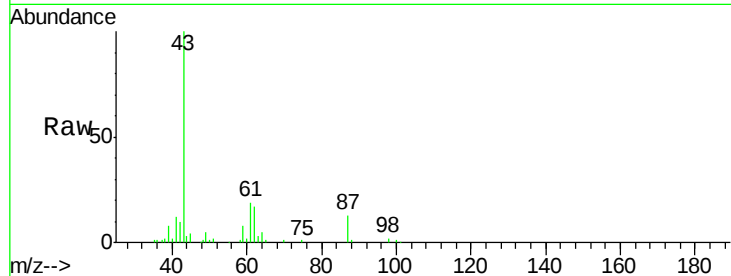
Tot Ion: 43 Resp: 25080

Ion Ratio Lower Upper

43 100

61 29.7 24.8 37.2

87 12.5 10.4 15.6



#44

Trichloroethene

Concen: 18.539 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW008087.D

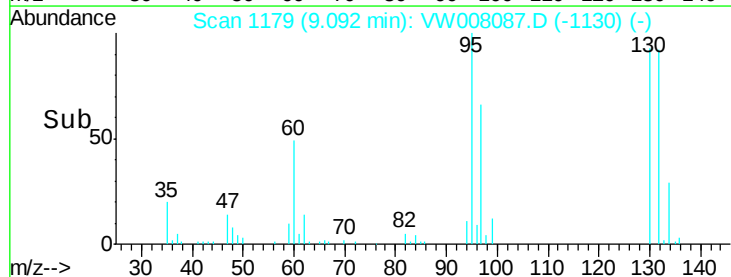
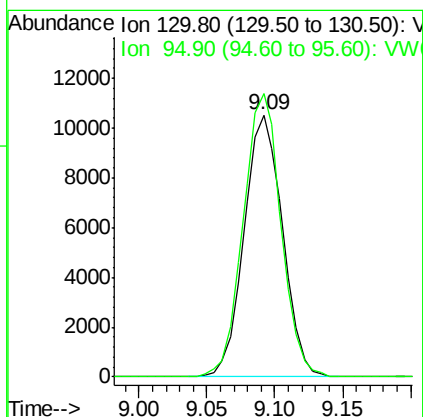
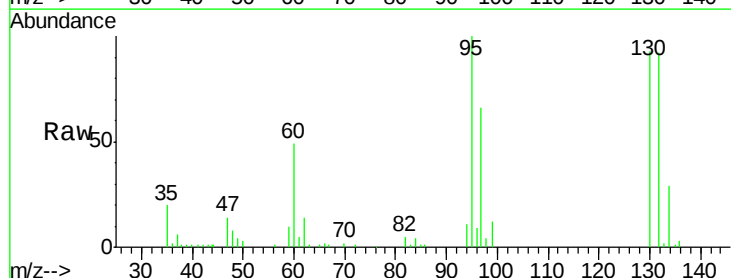
Acq: 08 Jan 2019 16:02

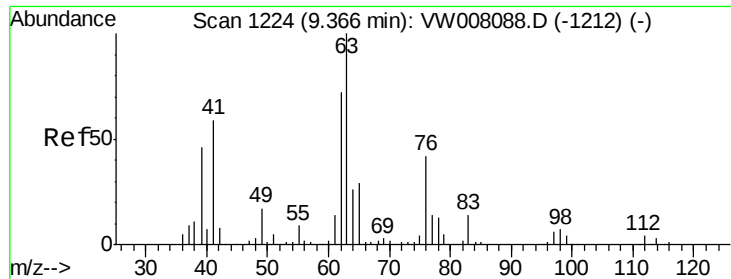
Tgt Ion: 130 Resp: 20816

Ion Ratio Lower Upper

130 100

95 108.0 0.0 202.8





#45

1,2-Dichloropropane

Concen: 24.242 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW008087.D

Acq: 08 Jan 2019 16:02

Instrument :

MSVOA_W

ClientSampleId :

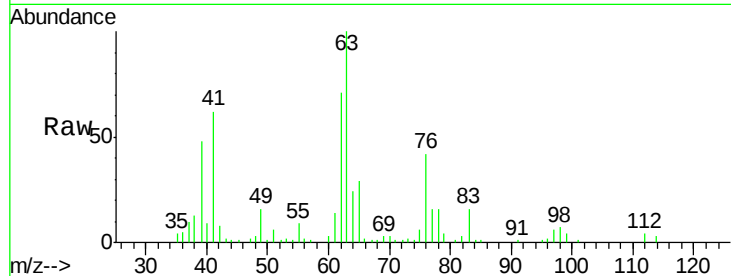
VSTDIC020

Tot Ion: 63 Resp: 21000

Ion Ratio Lower Upper

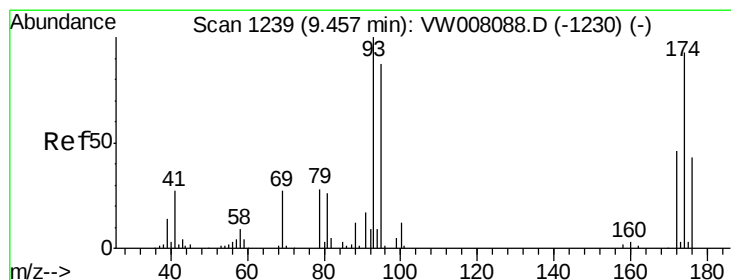
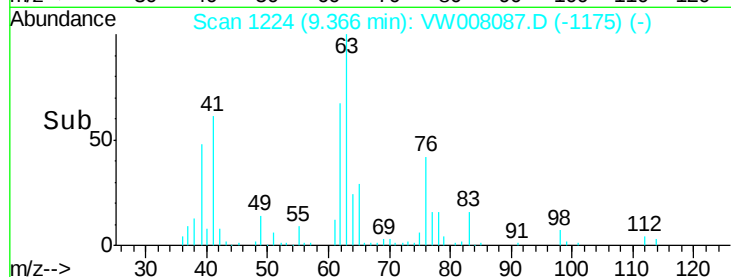
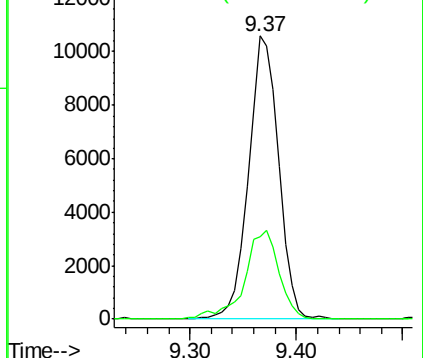
63 100

65 28.9 23.3 34.9



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 21.098 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW008087.D

Acq: 08 Jan 2019 16:02

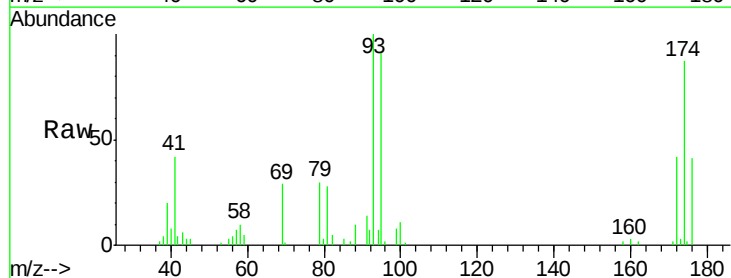
Tgt Ion: 93 Resp: 10327

Ion Ratio Lower Upper

93 100

95 84.9 67.5 101.3

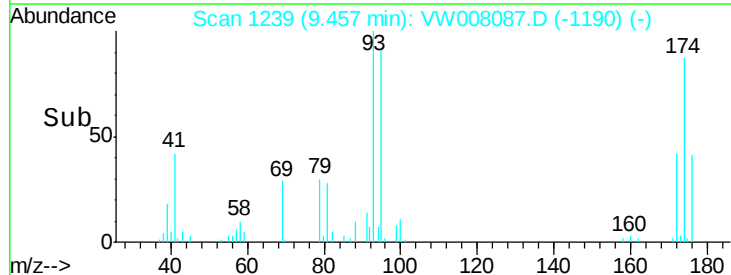
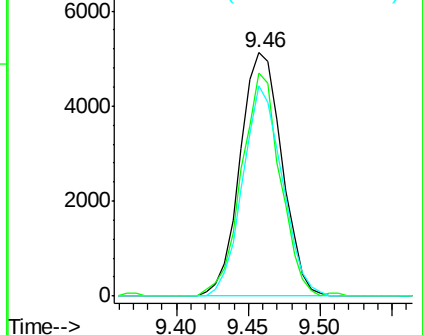
174 81.4 72.5 108.7

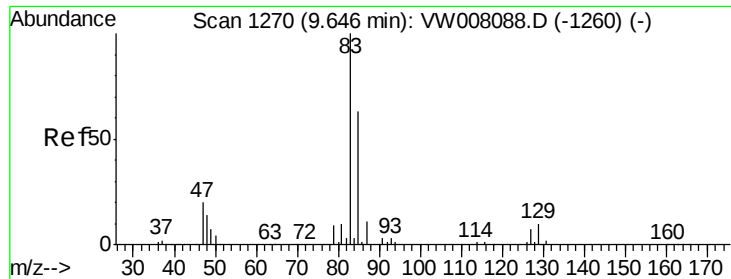


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 18.982 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW008087.D

Acq: 08 Jan 2019 16:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

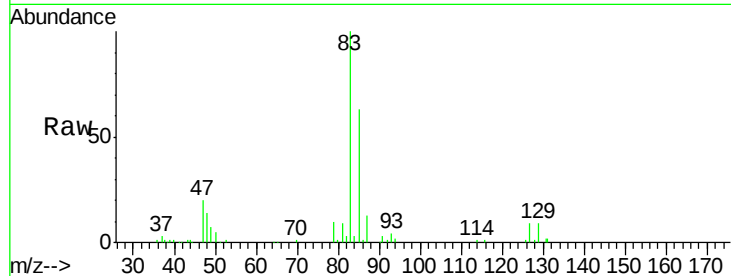
Tot Ion: 83 Resp: 25797

Ion Ratio Lower Upper

83 100

85 62.9 50.7 76.1

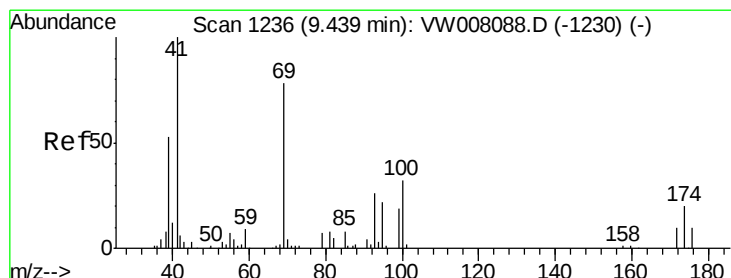
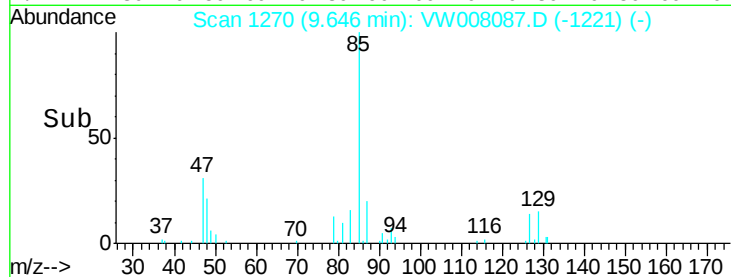
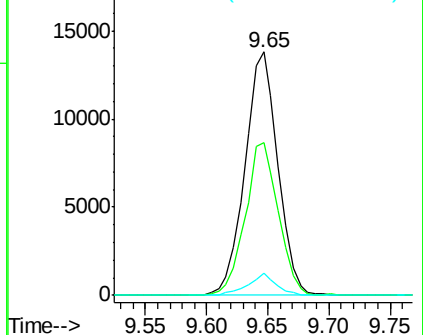
127 8.9 6.0 9.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 23.538 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW008087.D

Acq: 08 Jan 2019 16:02

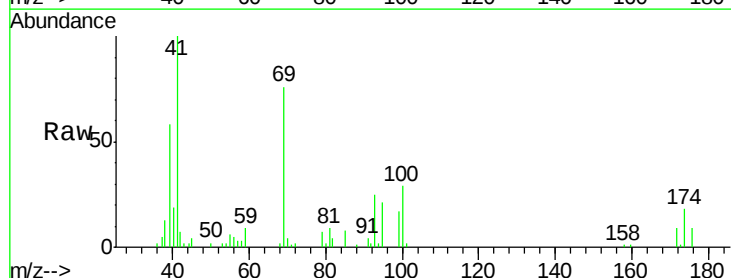
Tgt Ion: 41 Resp: 11007

Ion Ratio Lower Upper

41 100

69 82.1 61.9 92.9

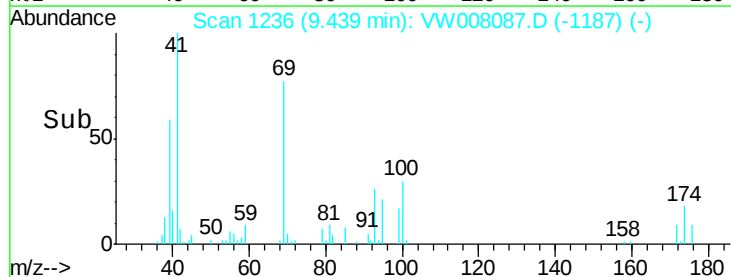
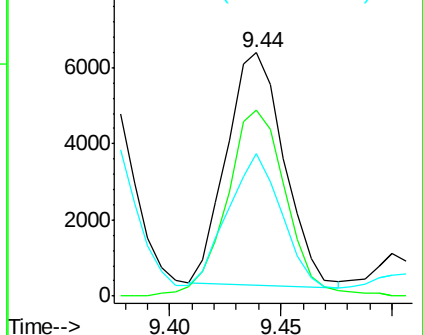
39 53.3 43.0 64.4

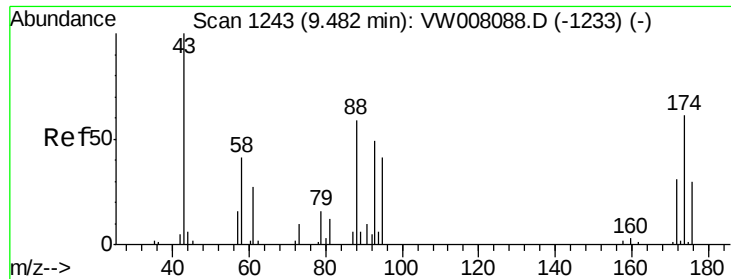


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

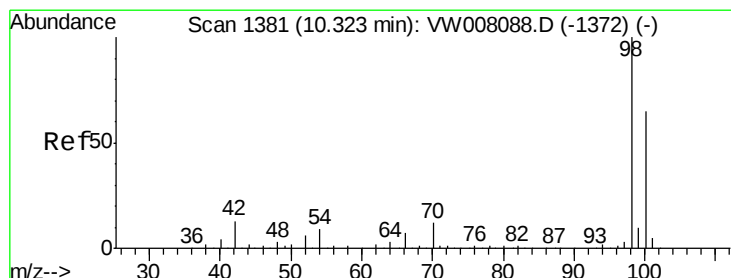
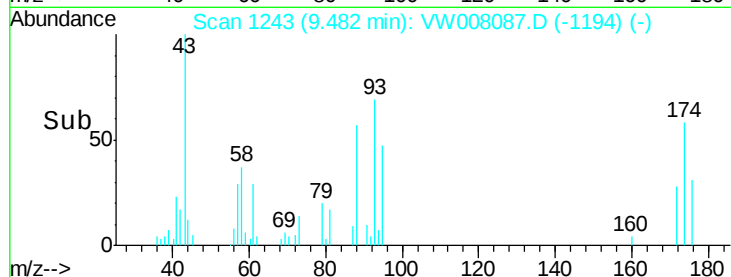
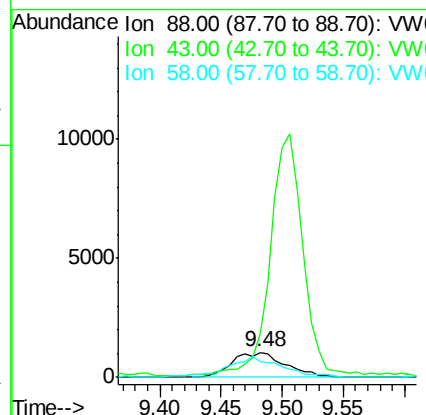
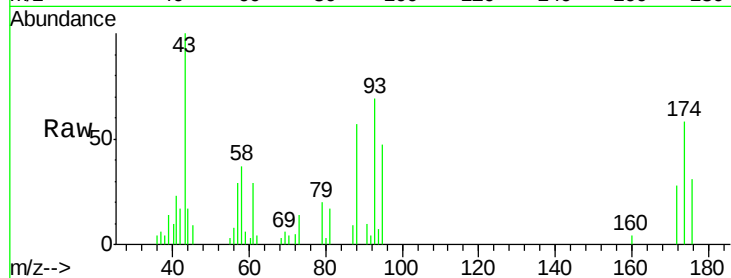




#49
 1,4-Dioxane
 Concen: 426.904 ug/l
 RT: 9.48 min Scan# 1243
 Delta R.T. -0.00 min
 Lab File: VW008087.D
 Acq: 08 Jan 2019 16:02

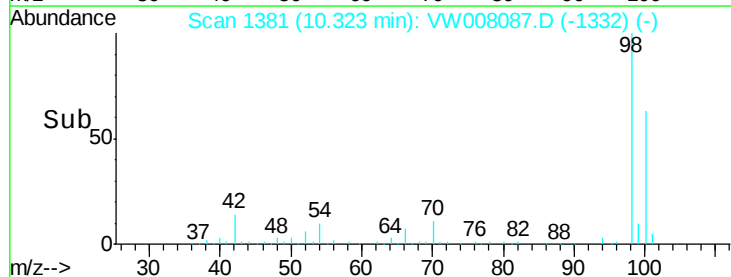
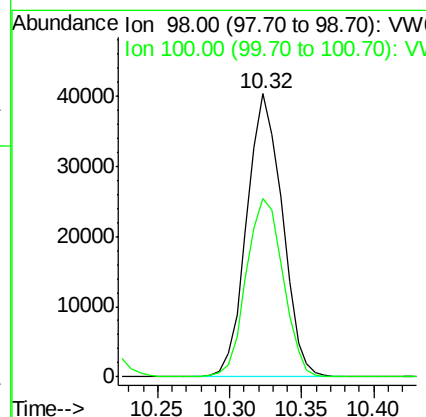
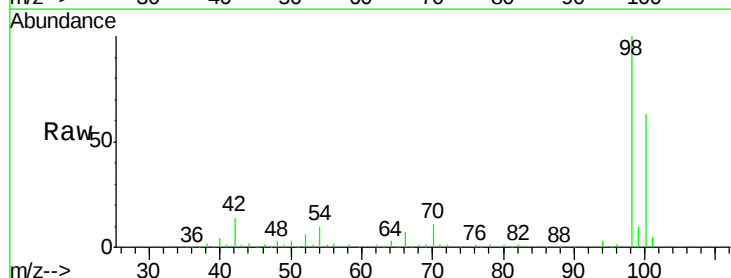
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

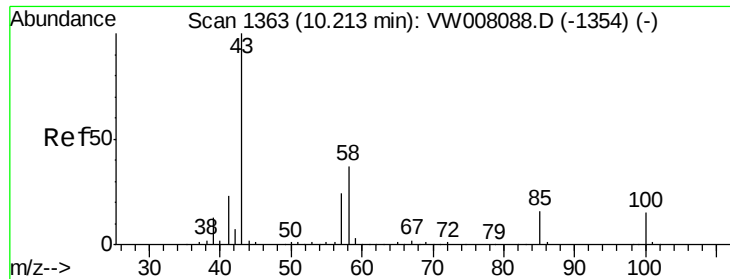
Tot Ion: 88 Resp: 3129
 Ion Ratio Lower Upper
 88 100
 43 0.0 0.0 0.0
 58 86.3 61.7 92.5



#50
 Toluene-d8
 Concen: 19.254 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VW008087.D
 Acq: 08 Jan 2019 16:02

Tgt Ion: 98 Resp: 68736
 Ion Ratio Lower Upper
 98 100
 100 65.0 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 135.815 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW008087.D

Acq: 08 Jan 2019 16:02

Instrument :

MSVOA_W

ClientSampleId :

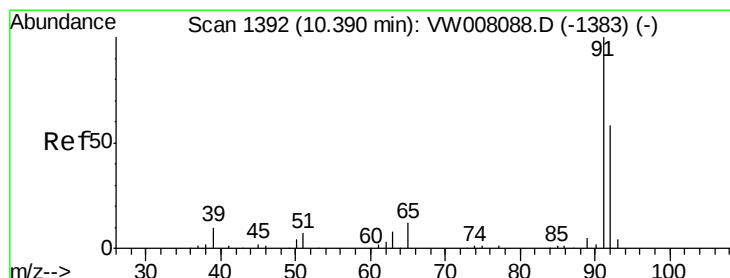
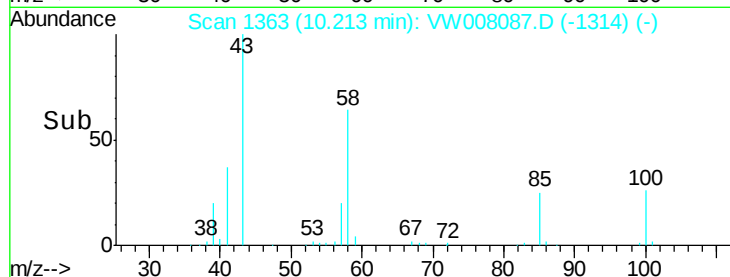
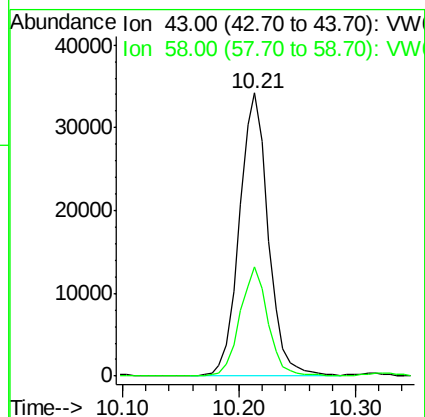
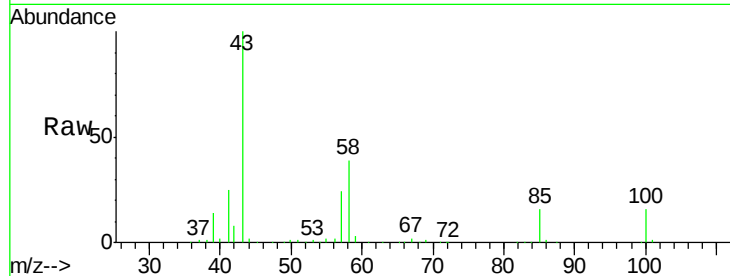
VSTDIC020

Tot Ion: 43 Resp: 59010

Ion Ratio Lower Upper

43 100

58 37.6 30.6 46.0



#52

Toluene

Concen: 20.836 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW008087.D

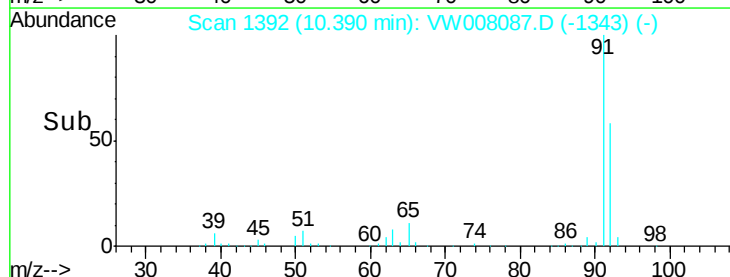
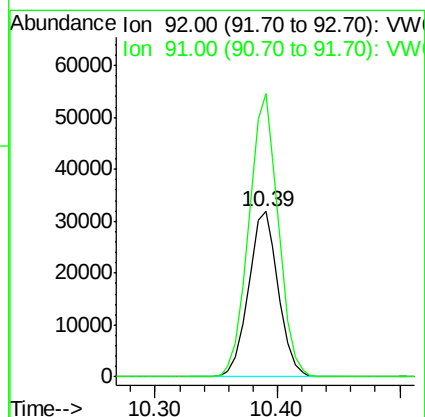
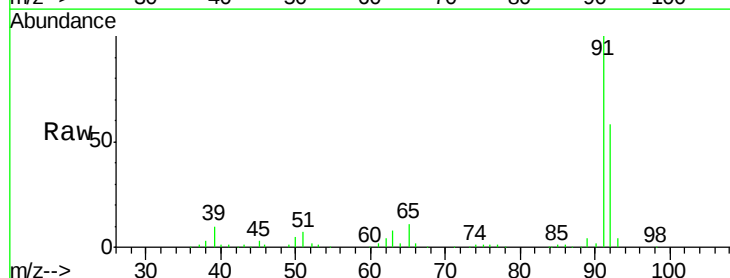
Acq: 08 Jan 2019 16:02

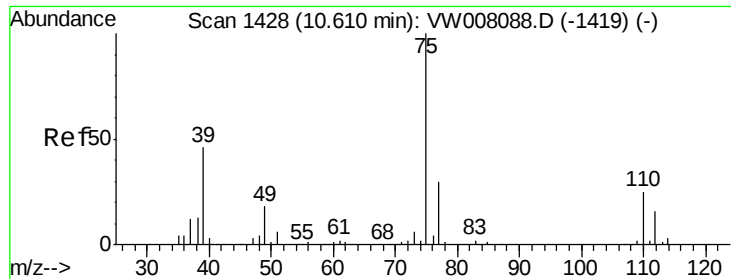
Tgt Ion: 92 Resp: 53640

Ion Ratio Lower Upper

92 100

91 170.2 137.0 205.4





#53

t-1,3-Dichloropropene

Concen: 20.120 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.01 min

Lab File: VW008087.D

Acq: 08 Jan 2019 16:02

Instrument :

MSVOA_W

ClientSampleId :

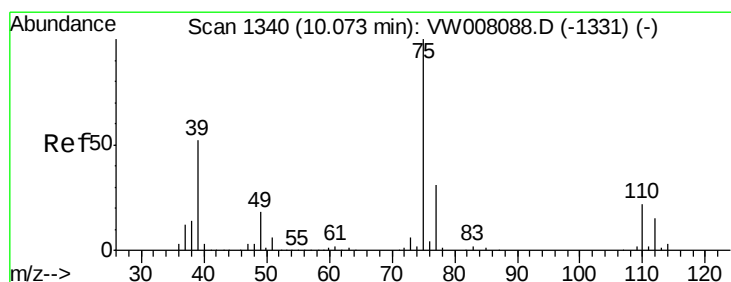
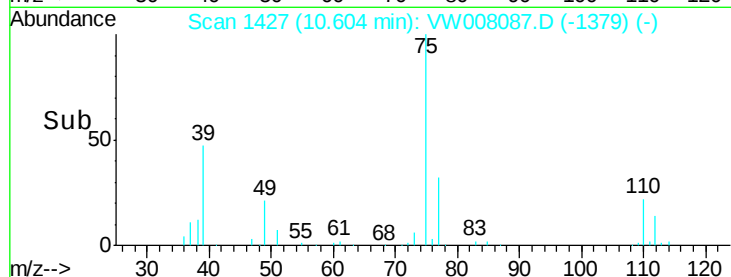
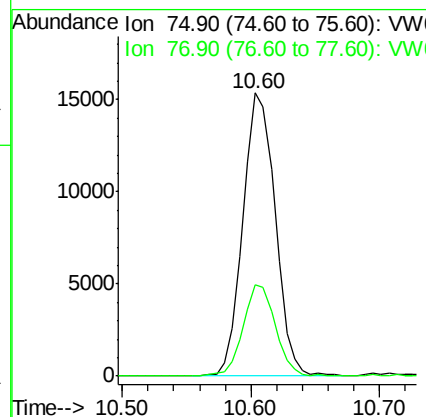
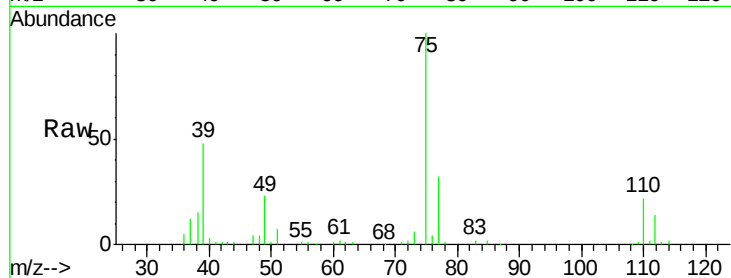
VSTDIC020

Tot Ion: 75 Resp: 26631

Ion Ratio Lower Upper

75 100

77 32.3 24.4 36.6



#54

cis-1,3-Dichloropropene

Concen: 21.449 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008087.D

Acq: 08 Jan 2019 16:02

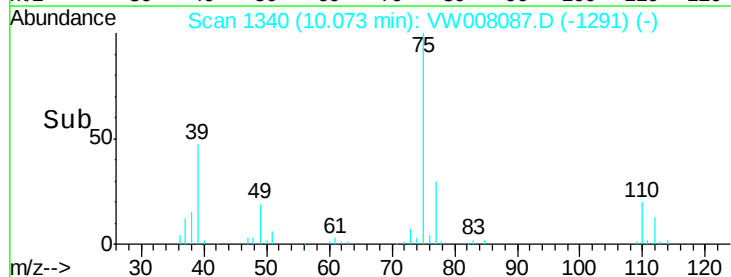
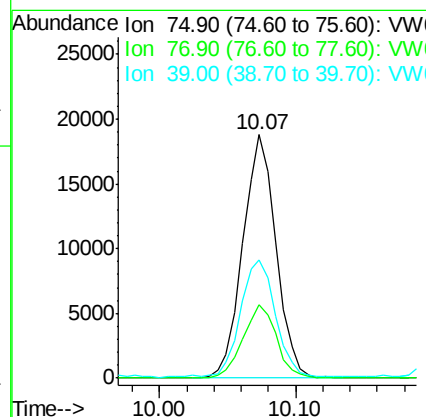
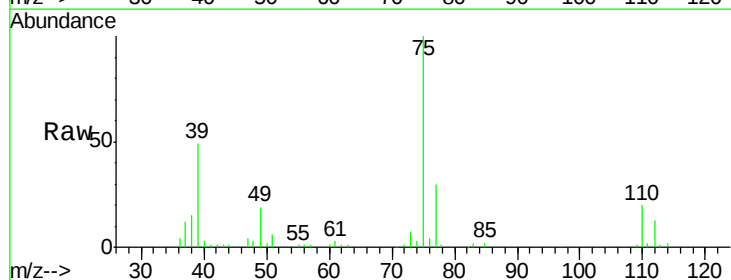
Tgt Ion: 75 Resp: 31978

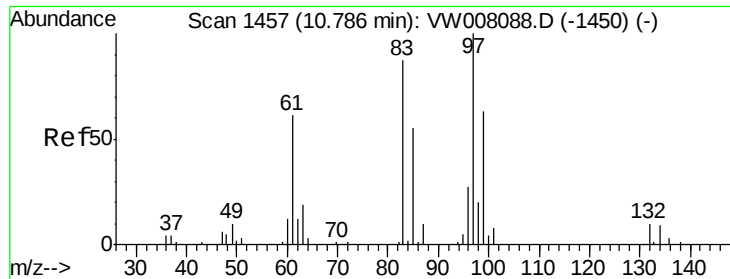
Ion Ratio Lower Upper

75 100

77 30.2 25.2 37.8

39 48.0 41.4 62.0

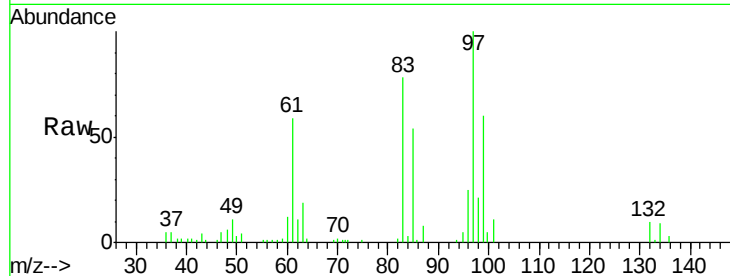




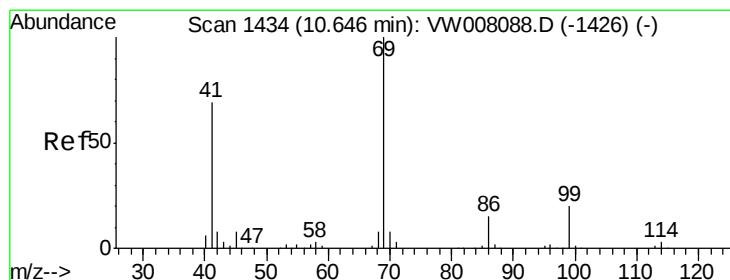
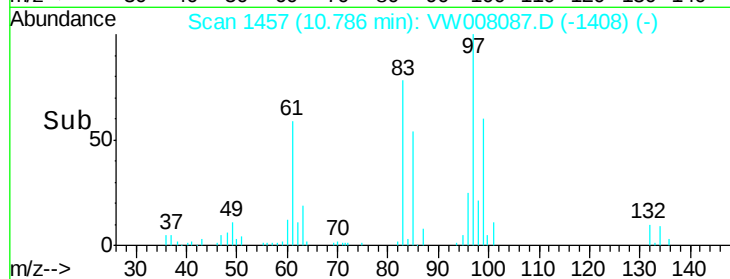
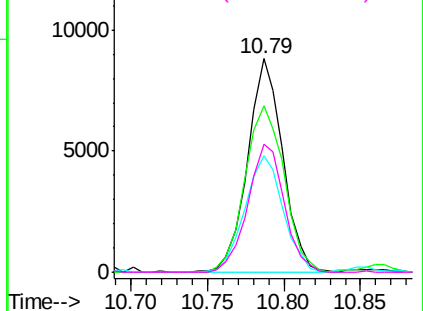
#55
 1,1,2-Trichloroethane
 Concen: 21.236 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008087.D
 Acq: 08 Jan 2019 16:02

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion:	97	Resp:	14114
Ion	Ratio	Lower	Upper
97	100		
83	77.8	69.3	103.9
85	54.3	43.8	65.6
99	59.7	50.0	75.0

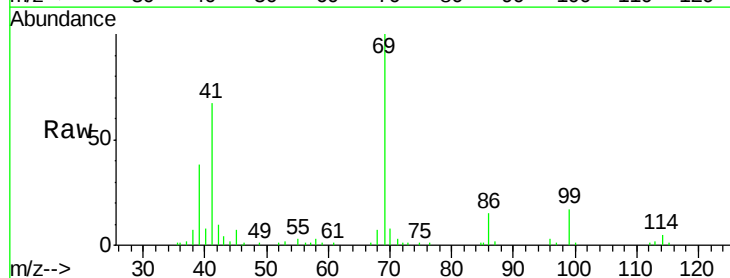


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

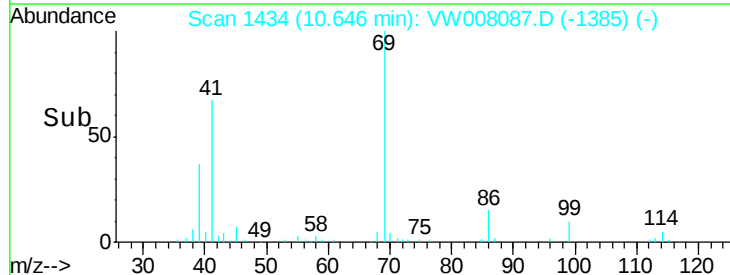
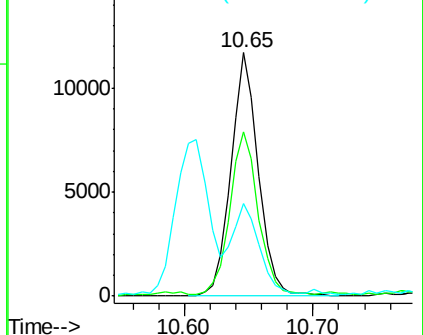


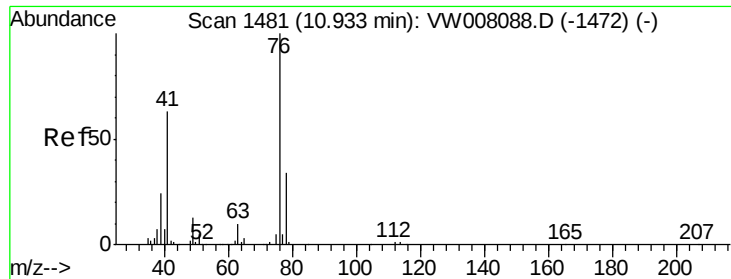
#56
 Ethyl methacrylate
 Concen: 22.515 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008087.D
 Acq: 08 Jan 2019 16:02

Tgt Ion:	69	Resp:	17357
Ion	Ratio	Lower	Upper
69	100		
41	69.3	56.4	84.6
39	37.0	28.1	42.1



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

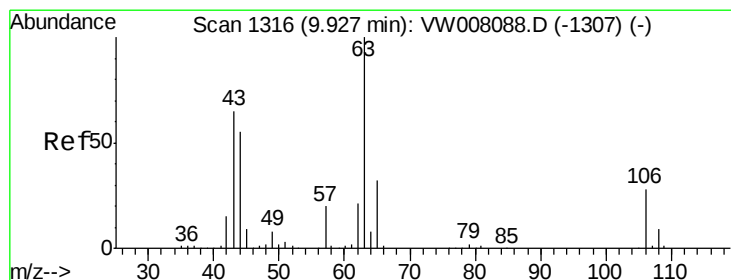
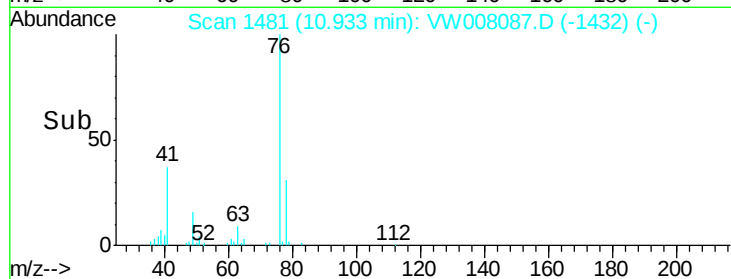
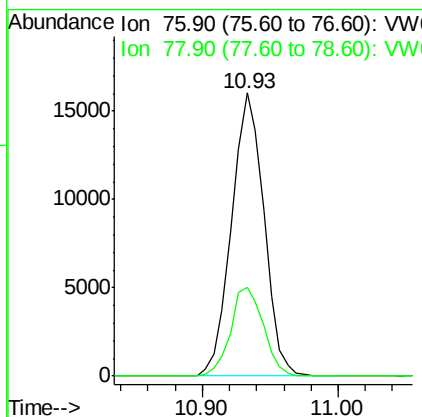
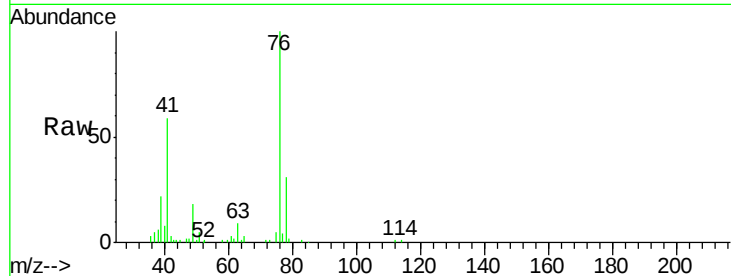




#57
 1,3-Dichloropropane
 Concen: 23.006 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008087.D
 Acq: 08 Jan 2019 16:02

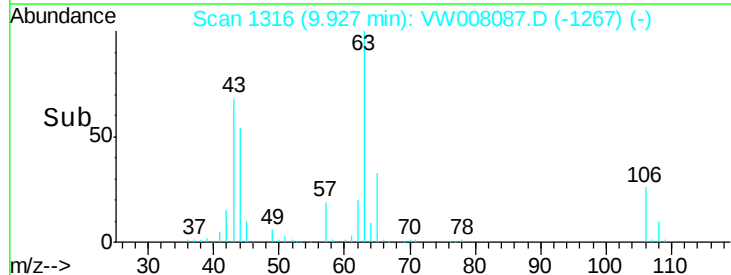
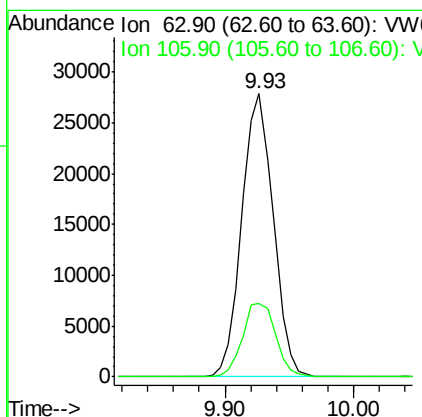
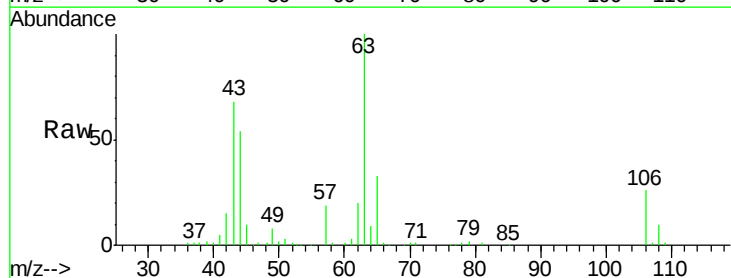
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

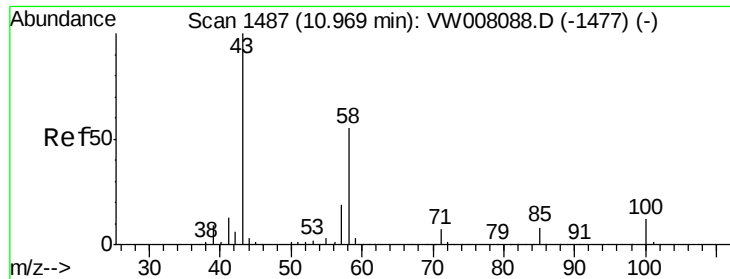
Tot Ion: 76 Resp: 26546
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 124.760 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW008087.D
 Acq: 08 Jan 2019 16:02

Tgt Ion: 63 Resp: 46964
 Ion Ratio Lower Upper
 63 100
 106 27.4 21.8 32.6





#59

2-Hexanone

Concen: 140.252 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW008087.D

Acq: 08 Jan 2019 16:02

Instrument :

MSVOA_W

ClientSampleId :

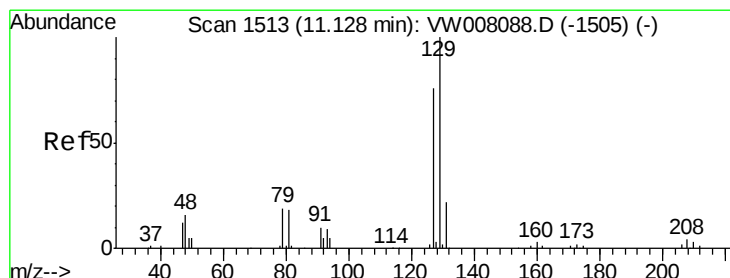
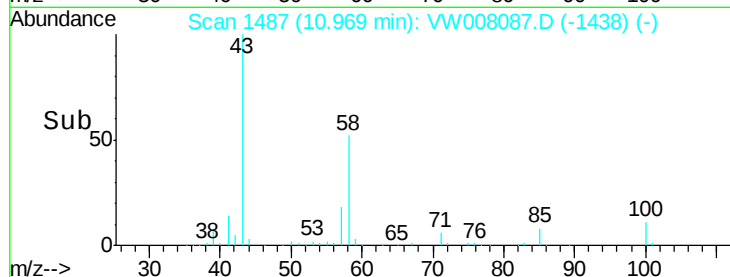
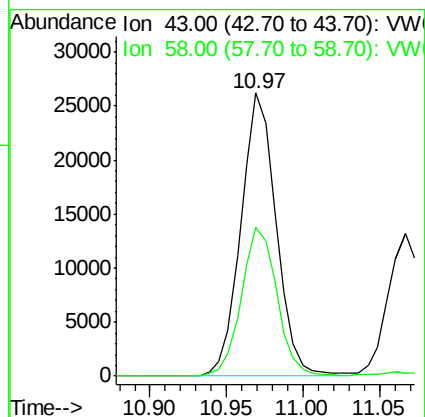
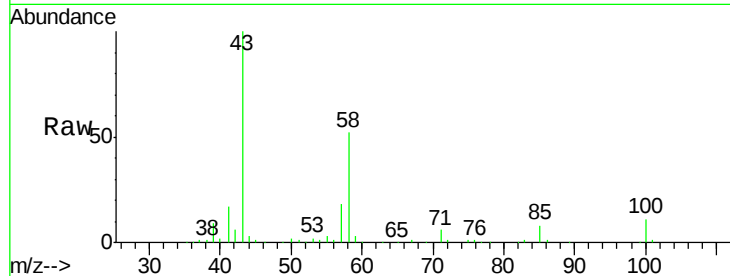
VSTDIC020

Tot Ion: 43 Resp: 41935

Ion Ratio Lower Upper

43 100

58 53.0 27.2 81.5



#60

Dibromochloromethane

Concen: 17.232 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW008087.D

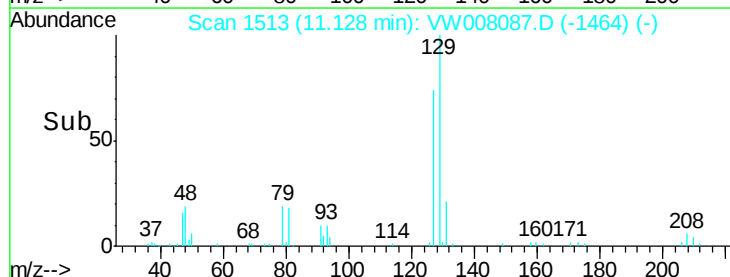
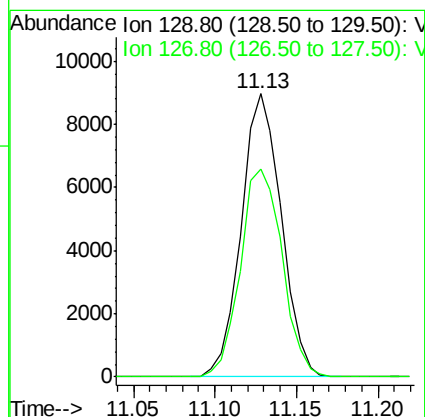
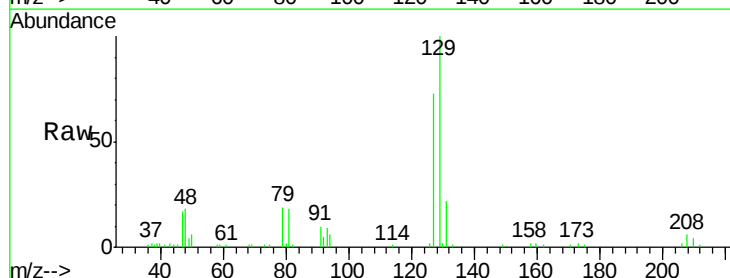
Acq: 08 Jan 2019 16:02

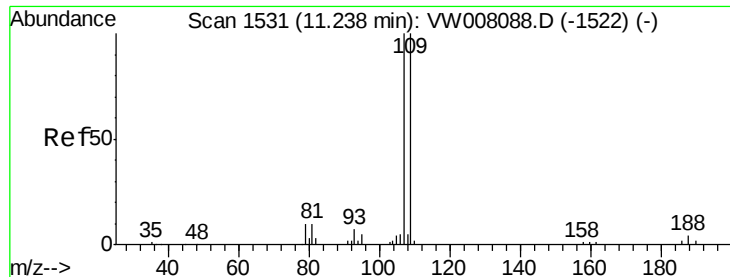
Tgt Ion: 129 Resp: 15318

Ion Ratio Lower Upper

129 100

127 76.5 38.9 116.6

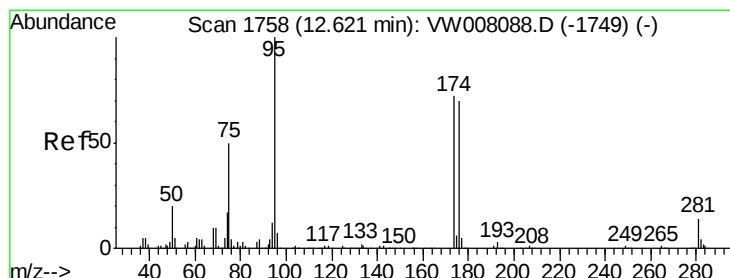
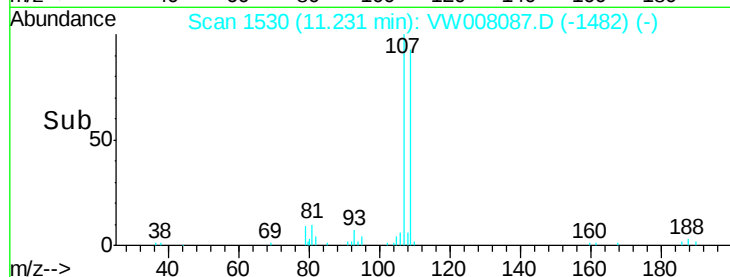
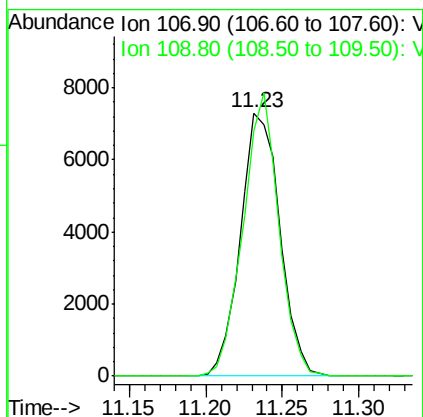
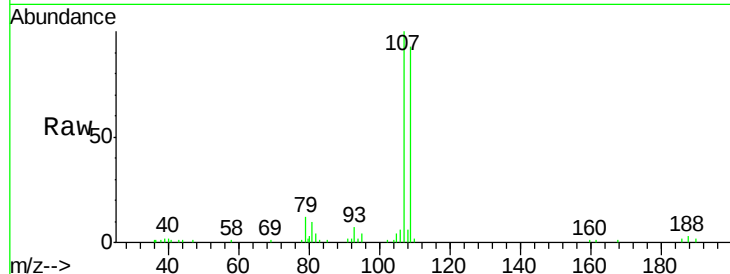




#61
 1,2-Dibromoethane
 Concen: 19.713 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW008087.D
 Acq: 08 Jan 2019 16:02

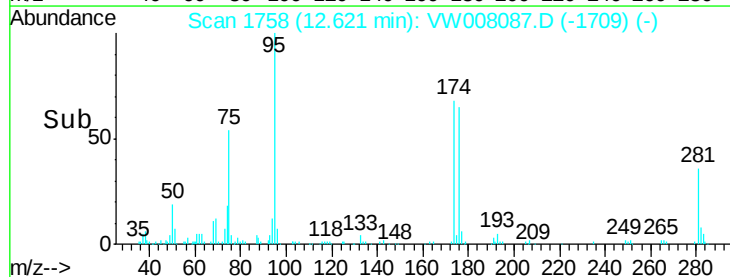
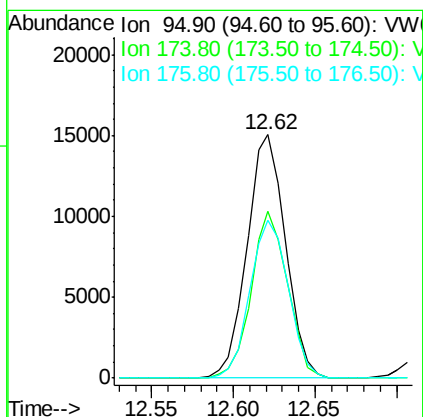
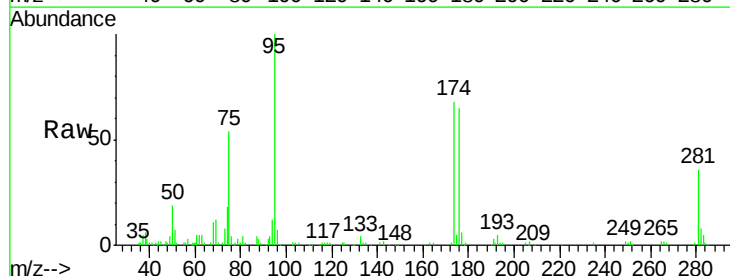
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

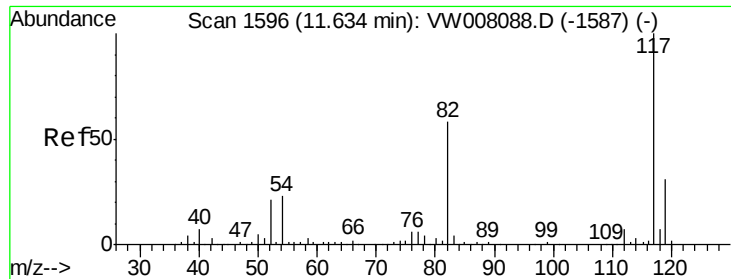
Tot Ion: 107 Resp: 13118
 Ion Ratio Lower Upper
 107 100
 109 97.1 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 18.240 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW008087.D
 Acq: 08 Jan 2019 16:02

Tgt Ion: 95 Resp: 24682
 Ion Ratio Lower Upper
 95 100
 174 64.8 0.0 143.0
 176 64.8 0.0 140.2

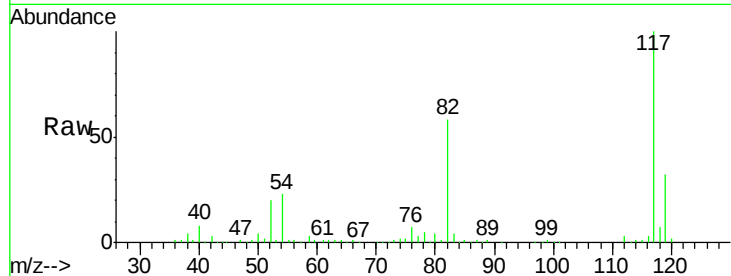




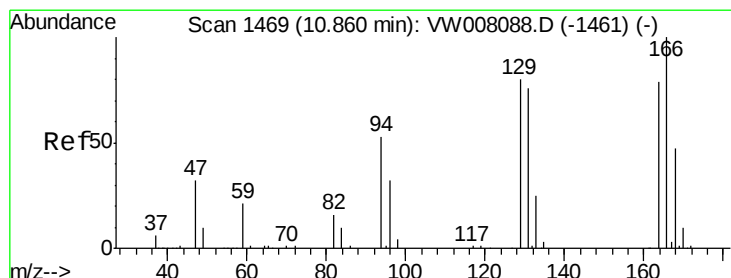
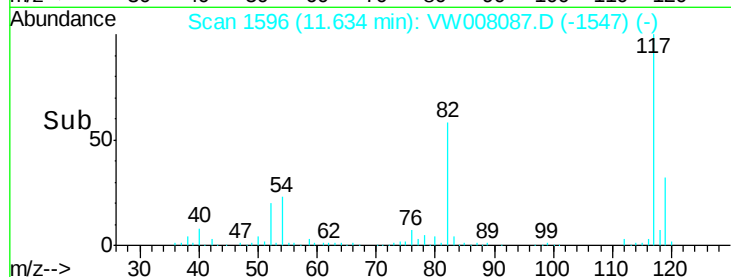
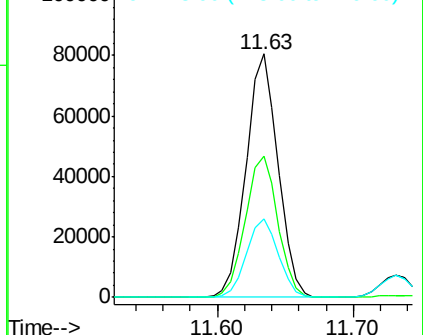
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008087.D
Acq: 08 Jan 2019 16:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion:117 Resp: 132590
Ion Ratio Lower Upper
117 100
82 57.9 46.4 69.6
119 32.0 24.7 37.1

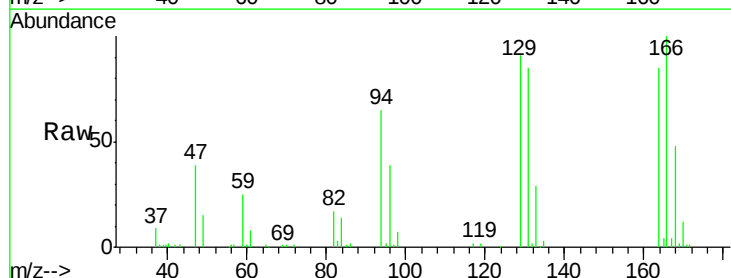


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

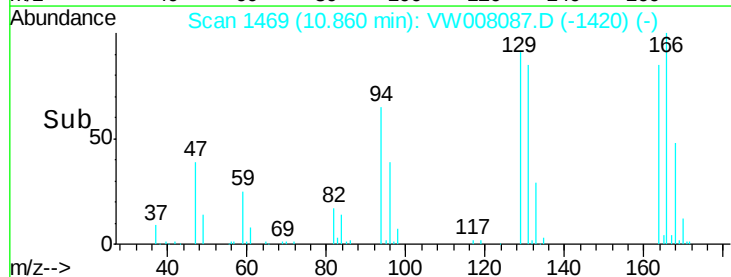
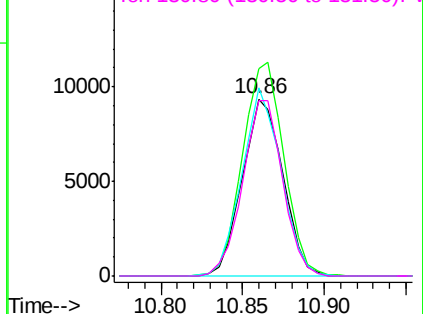


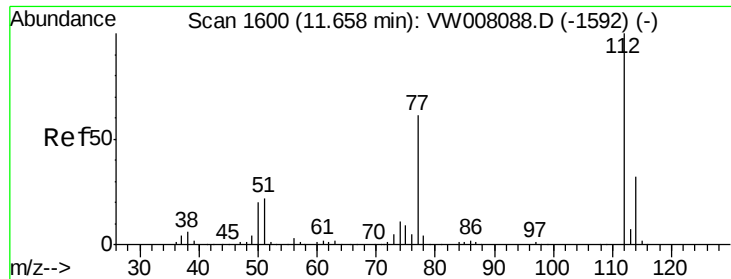
#64
Tetrachloroethene
Concen: 18.413 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW008087.D
Acq: 08 Jan 2019 16:02

Tgt Ion:164 Resp: 16279
Ion Ratio Lower Upper
164 100
166 117.1 100.7 151.1
129 106.0 81.0 121.4
131 99.1 76.1 114.1



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

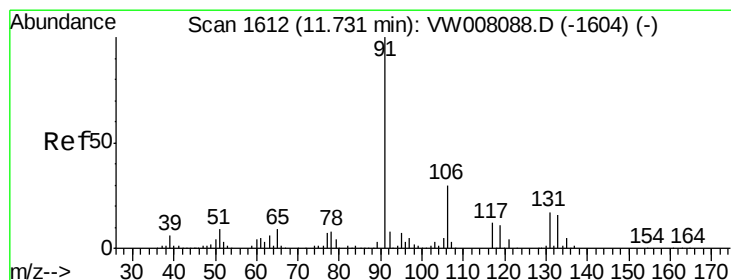
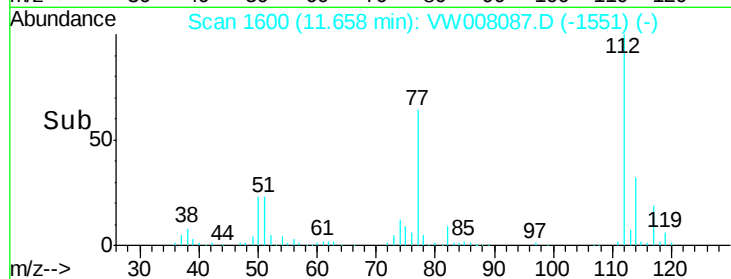
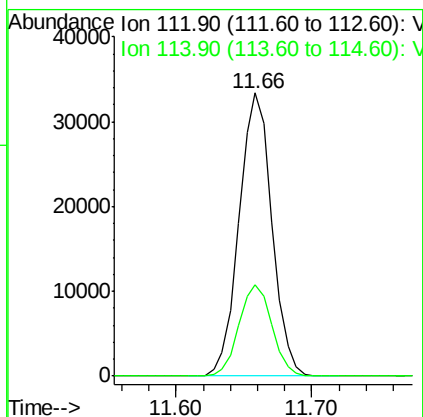
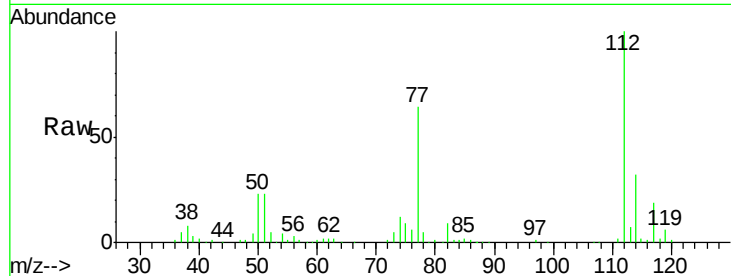




#65
Chlorobenzene
Concen: 20.179 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW008087.D
Acq: 08 Jan 2019 16:02

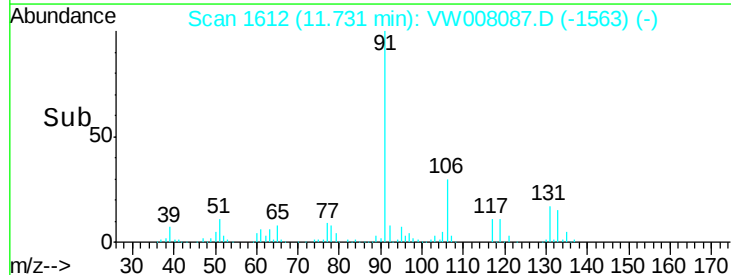
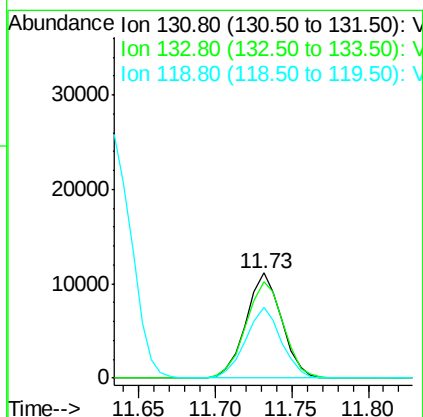
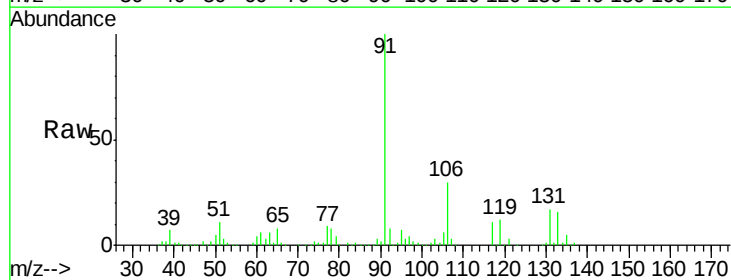
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

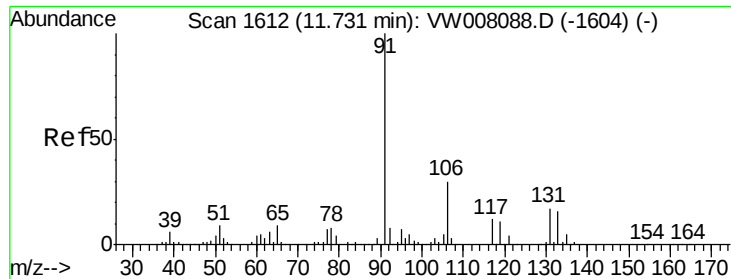
Tot Ion:112 Resp: 56119
Ion Ratio Lower Upper
112 100
114 32.3 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 18.082 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008087.D
Acq: 08 Jan 2019 16:02

Tgt Ion:131 Resp: 17973
Ion Ratio Lower Upper
131 100
133 96.6 47.9 143.7
119 67.7 32.5 97.4

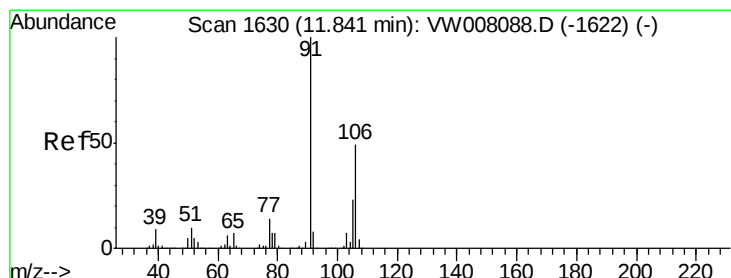
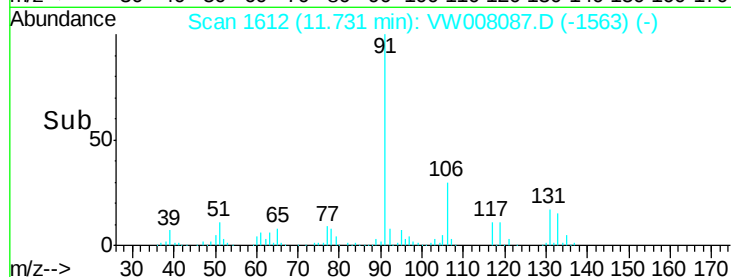
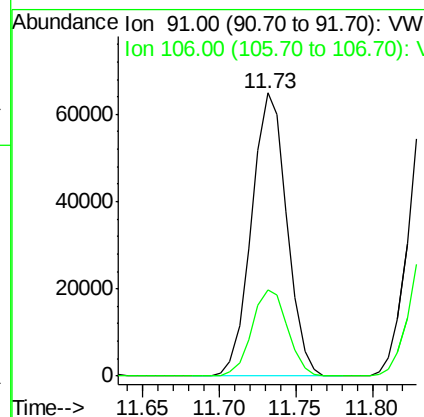
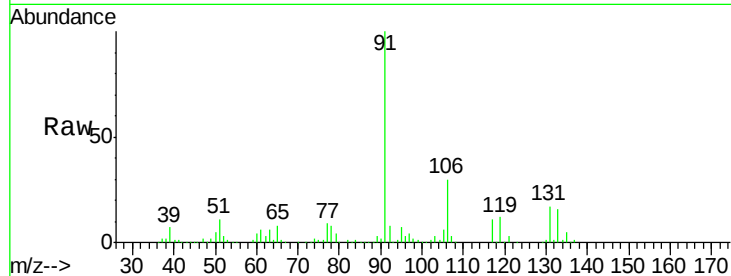




#67
Ethyl Benzene
Concen: 20.973 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008087.D
Acq: 08 Jan 2019 16:02

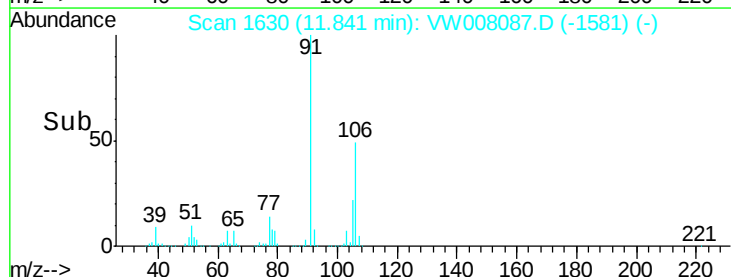
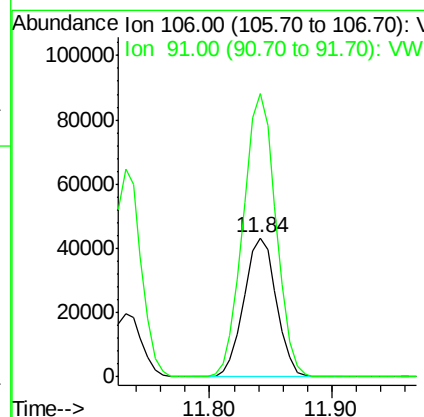
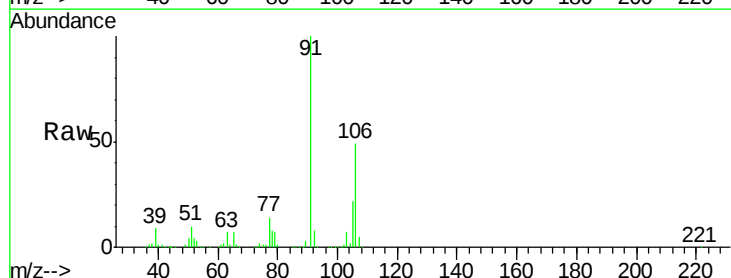
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

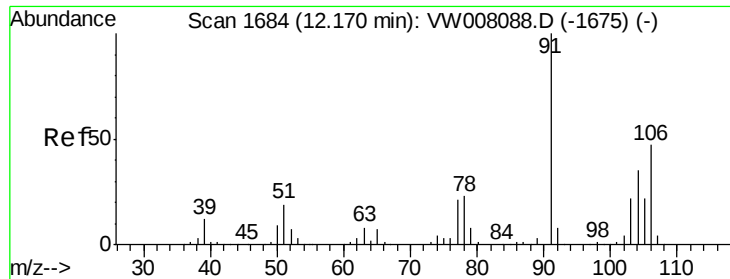
Tot Ion: 91 Resp: 104258
Ion Ratio Lower Upper
91 100
106 30.4 24.2 36.4



#68
m/p-Xylenes
Concen: 41.524 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW008087.D
Acq: 08 Jan 2019 16:02

Tgt Ion: 106 Resp: 79598
Ion Ratio Lower Upper
106 100
91 205.8 162.4 243.6

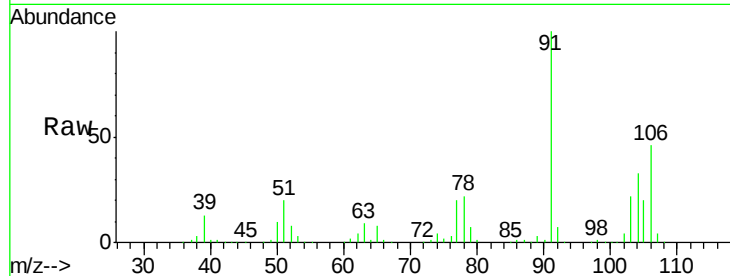




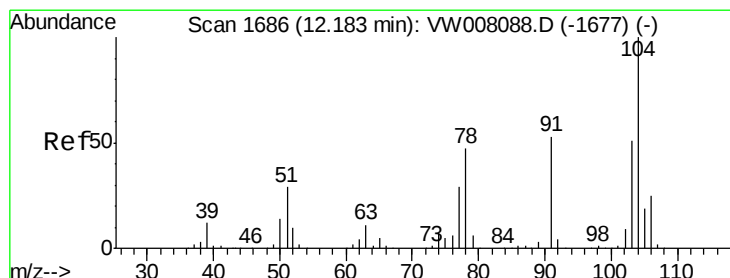
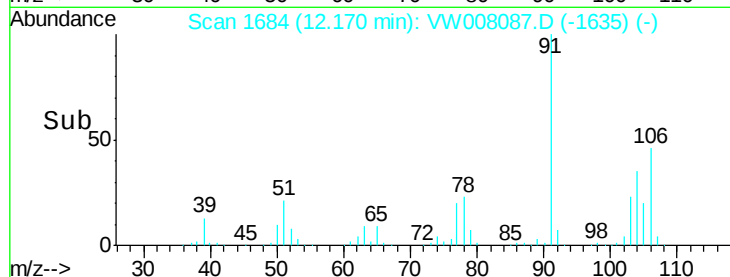
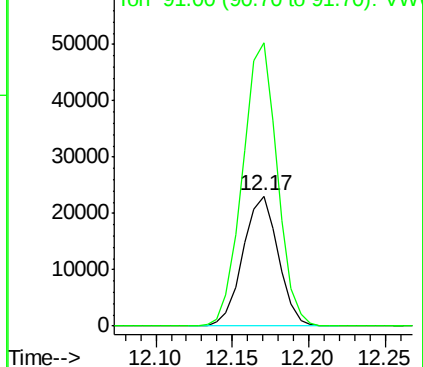
#69
o-Xylene
Concen: 20.760 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW008087.D
Acq: 08 Jan 2019 16:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 37013
Ion Ratio Lower Upper
106 100
91 214.3 107.8 323.6

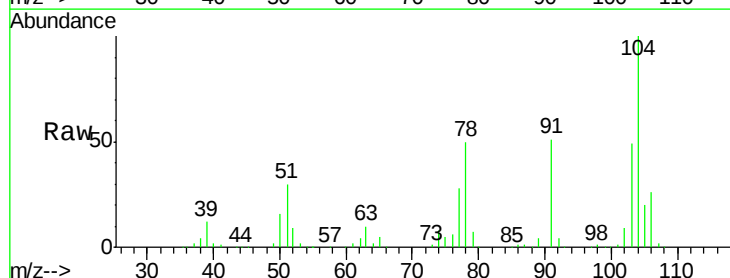


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

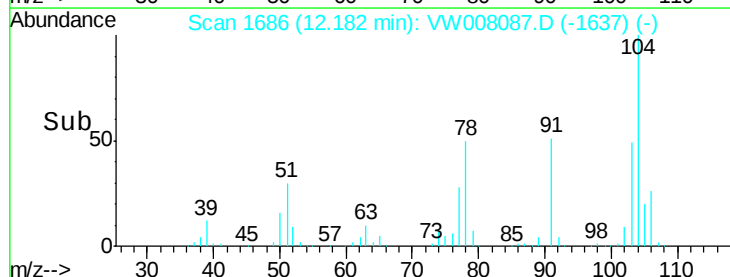
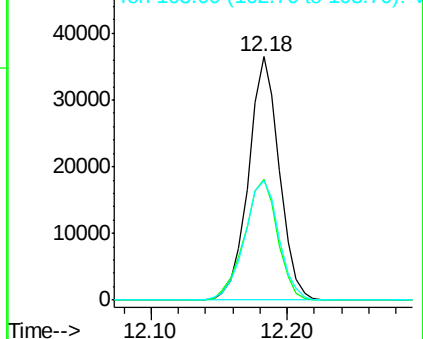


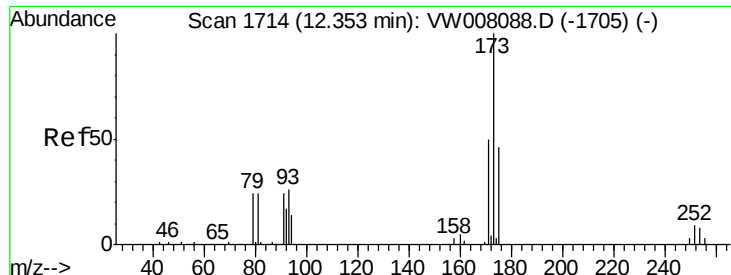
#70
Styrene
Concen: 19.903 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW008087.D
Acq: 08 Jan 2019 16:02

Tgt Ion:104 Resp: 57692
Ion Ratio Lower Upper
104 100
78 54.1 41.8 62.8
103 54.9 43.8 65.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 16.766 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW008087.D

Acq: 08 Jan 2019 16:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

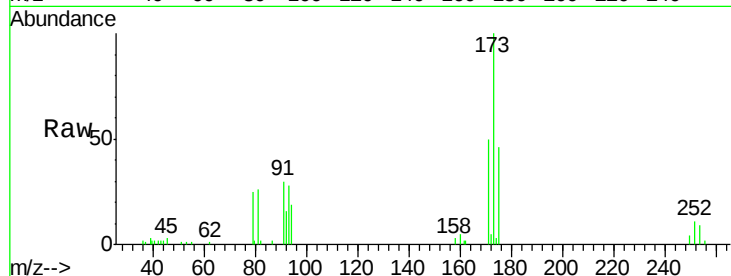
Tot Ion:173 Resp: 7689

Ion Ratio Lower Upper

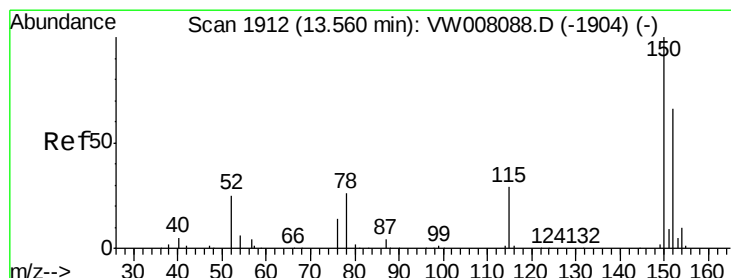
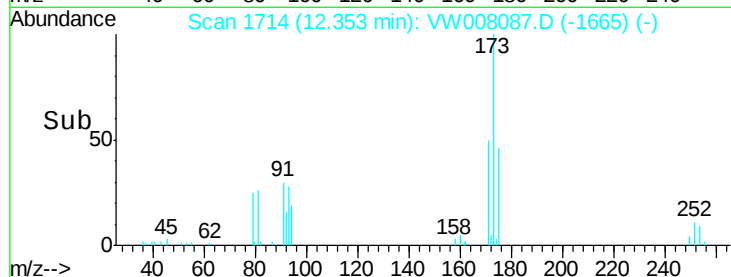
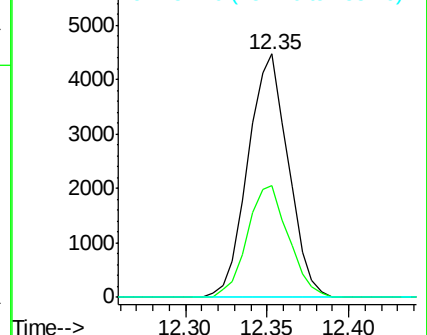
173 100

175 47.2 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: VW008087.D

Acq: 08 Jan 2019 16:02

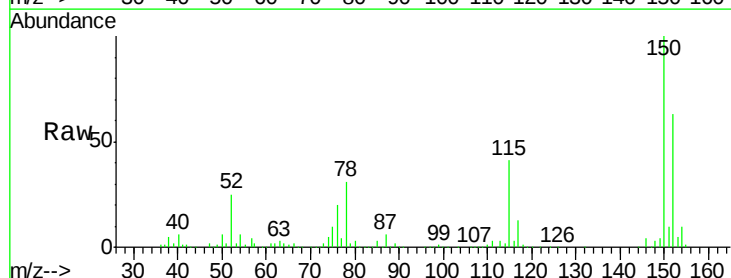
Tgt Ion:152 Resp: 63791

Ion Ratio Lower Upper

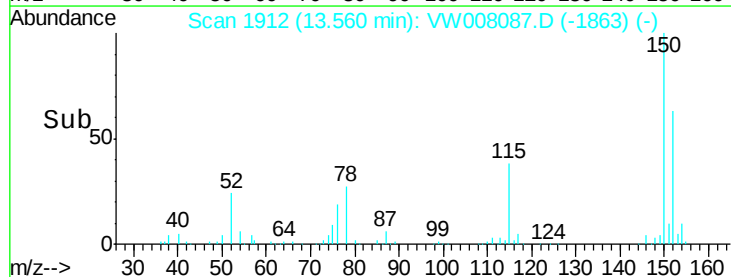
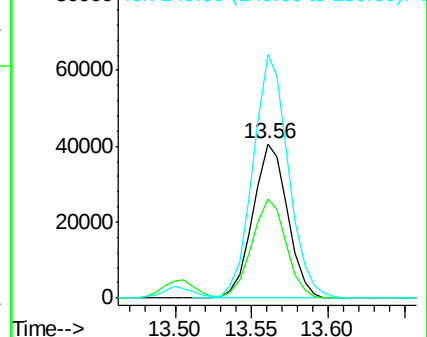
152 100

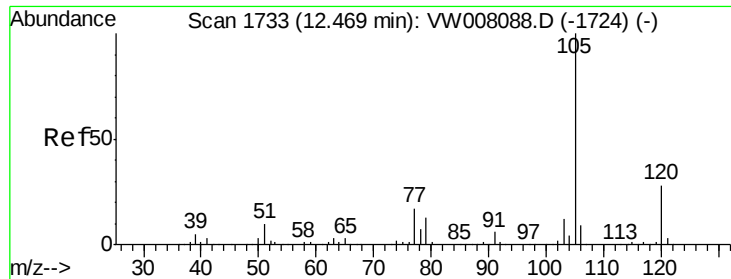
115 63.6 30.8 92.4

150 161.9 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: 20.432 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW008087.D

Acq: 08 Jan 2019 16:02

Instrument :

MSVOA_W

ClientSampleId :

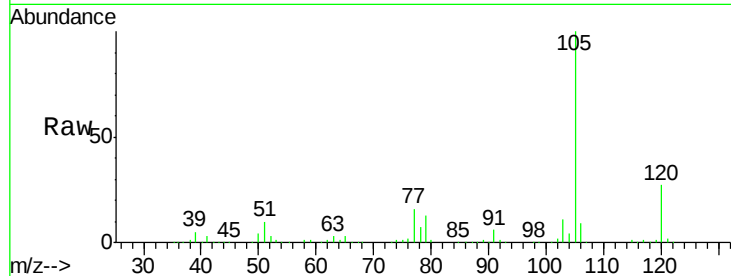
VSTDIC020

Tot Ion:105 Resp: 102023

Ion Ratio Lower Upper

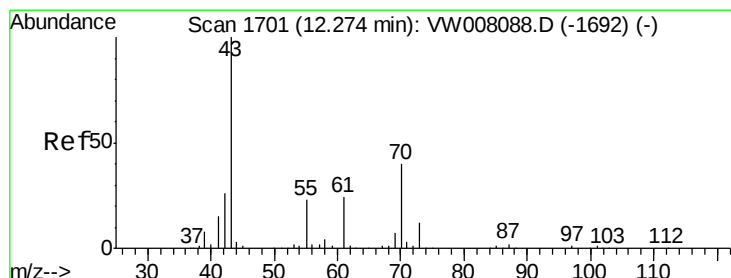
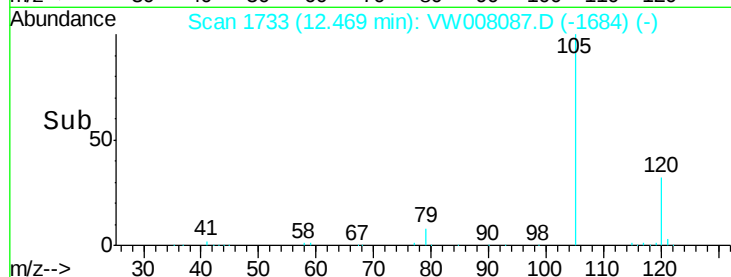
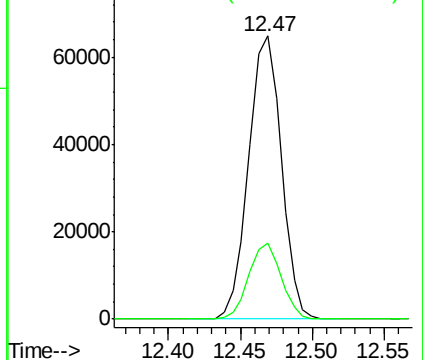
105 100

120 26.5 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 26.464 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008087.D

Acq: 08 Jan 2019 16:02

Tgt Ion: 43 Resp: 21984

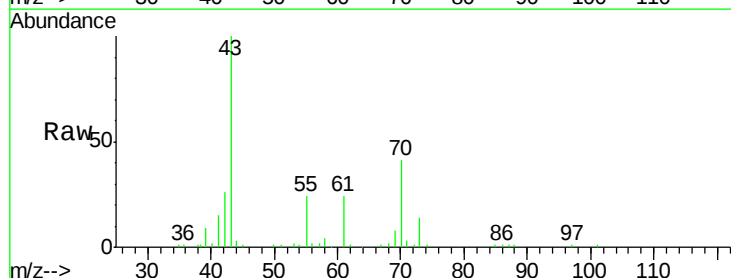
Ion Ratio Lower Upper

43 100

70 40.7 32.4 48.6

55 24.7 18.7 28.1

61 24.1 19.0 28.6

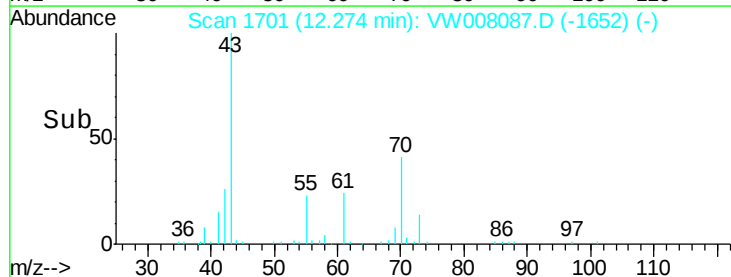
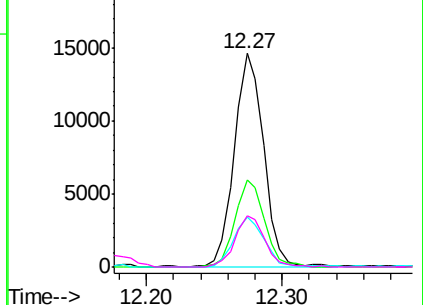


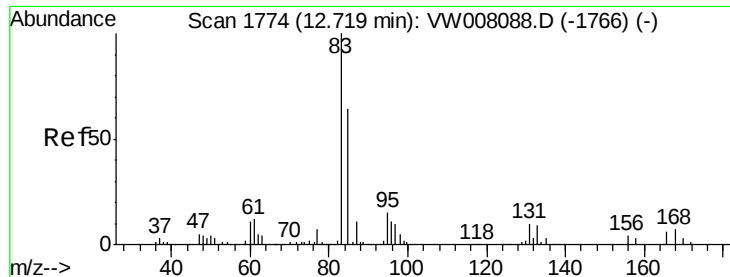
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 24.751 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW008087.D

Acq: 08 Jan 2019 16:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

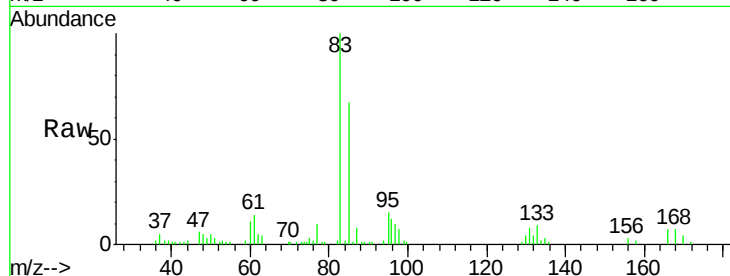
Tot Ion: 83 Resp: 16304

Ion Ratio Lower Upper

83 100

131 9.7 5.3 16.1

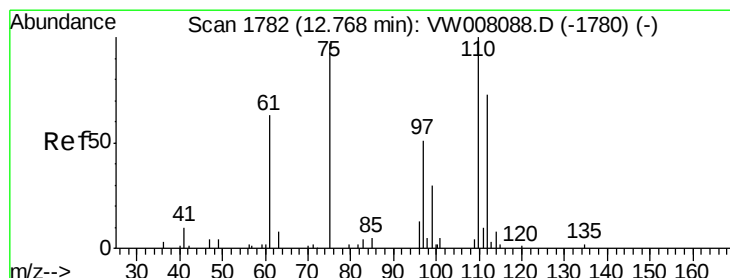
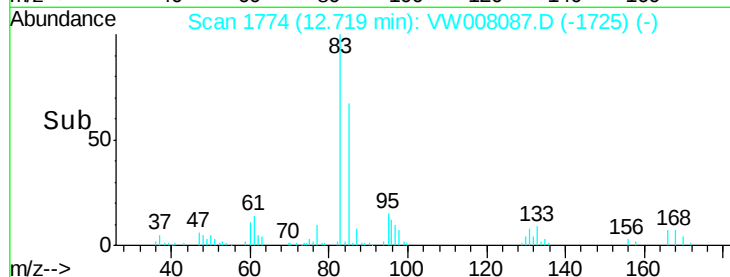
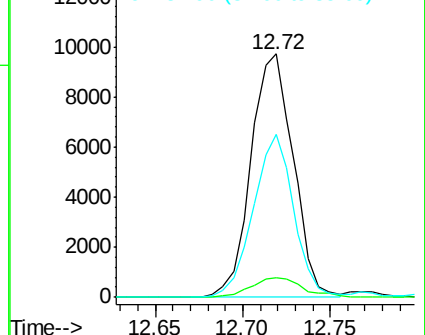
85 64.3 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 42.259 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW008087.D

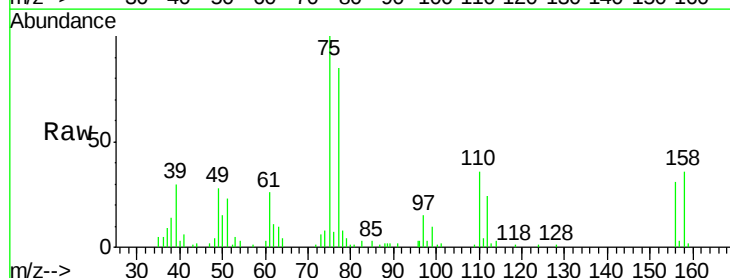
Acq: 08 Jan 2019 16:02

Tgt Ion: 75 Resp: 21660

Ion Ratio Lower Upper

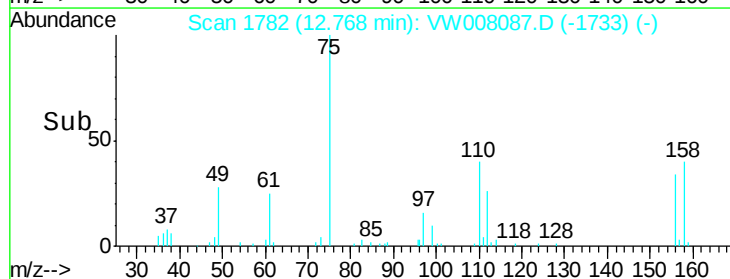
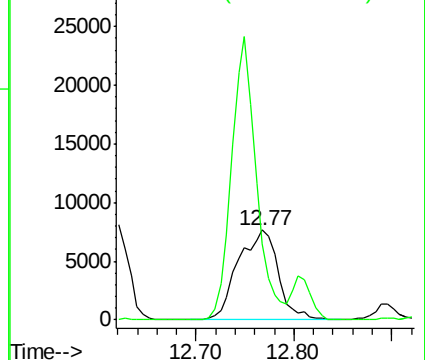
75 100

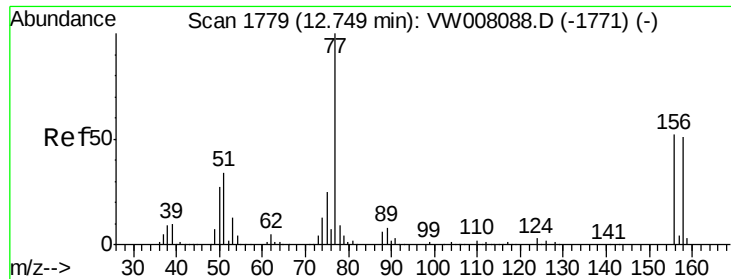
77 197.4 179.4 538.2



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 18.447 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW008087.D

Acq: 08 Jan 2019 16:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

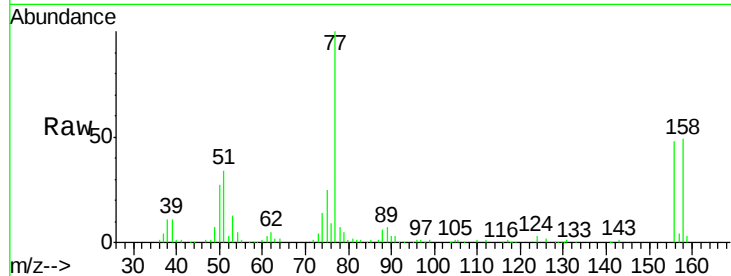
Tot Ion:156 Resp: 19627

Ion Ratio Lower Upper

156 100

77 217.9 104.2 312.5

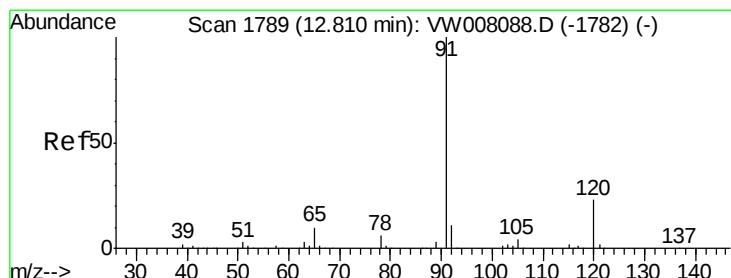
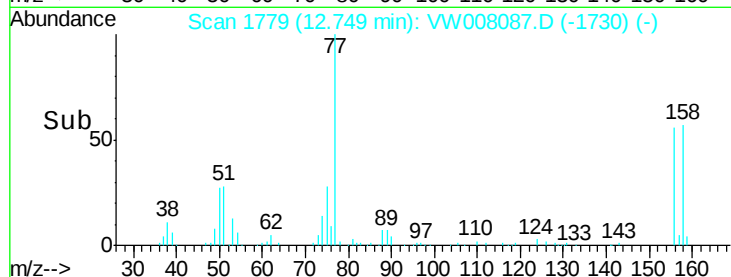
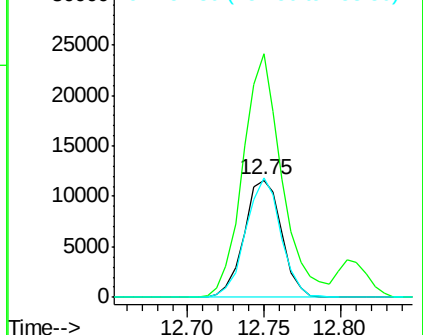
158 96.5 47.9 143.6



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: 21.531 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW008087.D

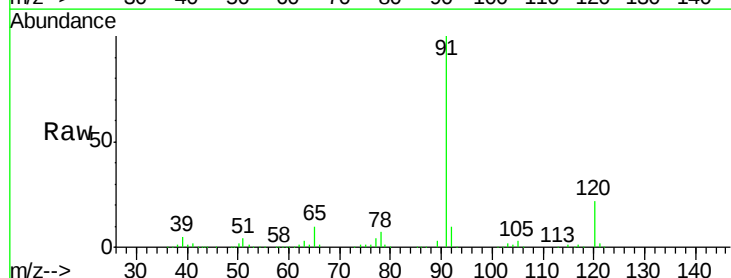
Acq: 08 Jan 2019 16:02

Tgt Ion: 91 Resp: 126052

Ion Ratio Lower Upper

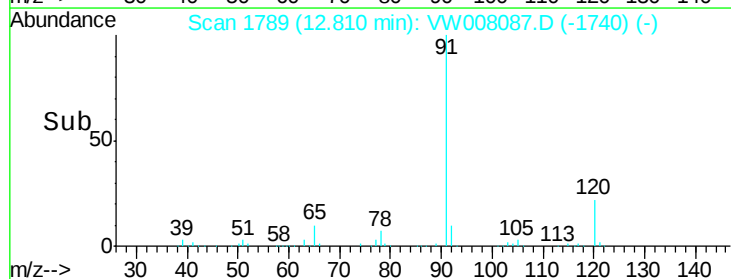
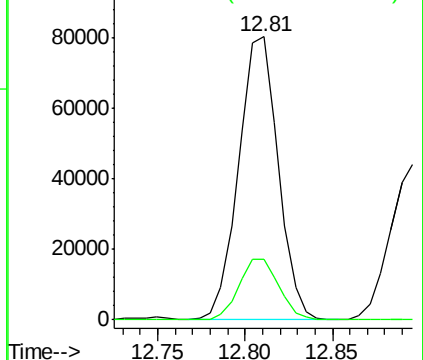
91 100

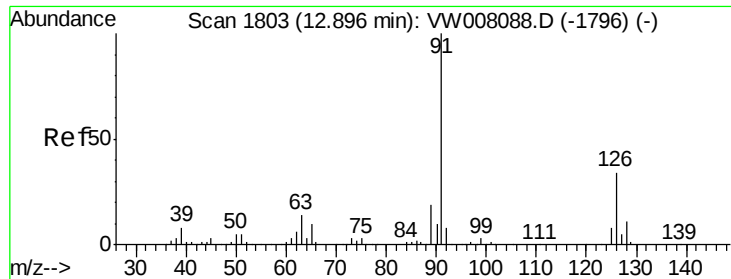
120 21.9 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

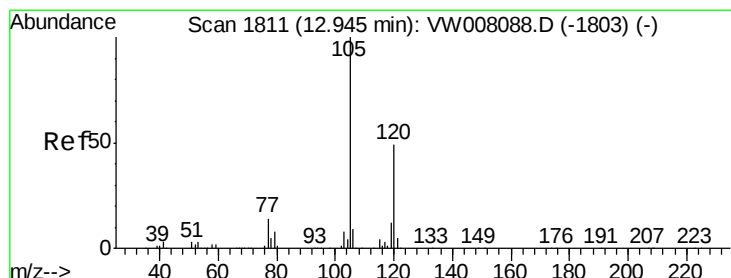
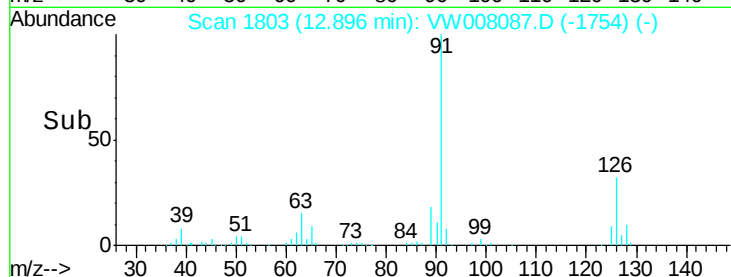
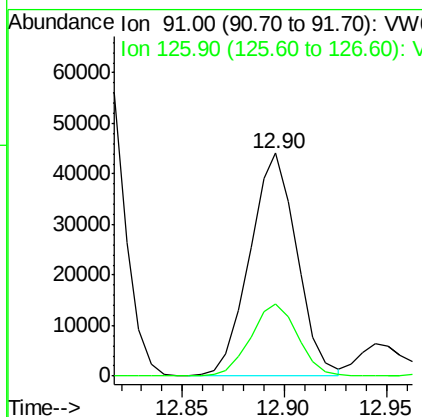
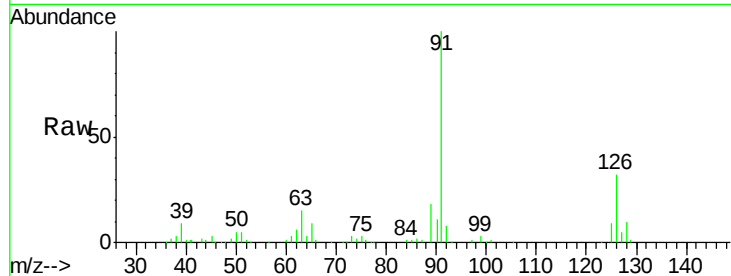




#79
 2-Chlorotoluene
 Concen: 21.029 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW008087.D
 Acq: 08 Jan 2019 16:02

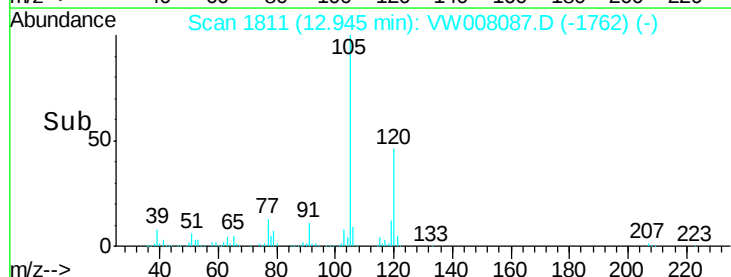
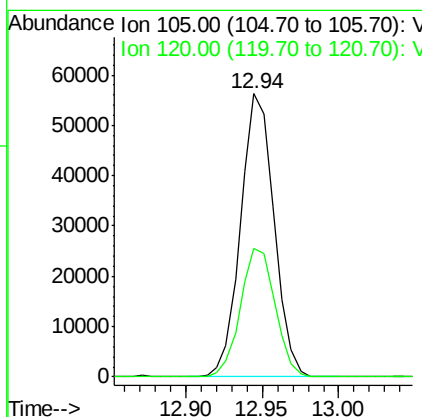
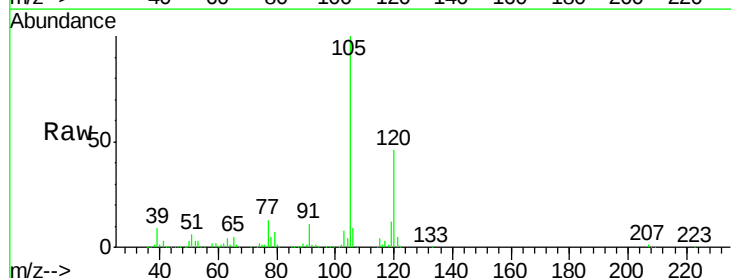
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

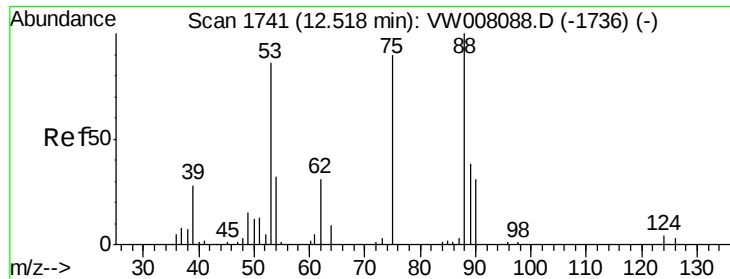
Tot Ion: 91 Resp: 70662
 Ion Ratio Lower Upper
 91 100
 126 32.3 16.8 50.3



#80
 1,3,5-Trimethylbenzene
 Concen: 19.980 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW008087.D
 Acq: 08 Jan 2019 16:02

Tgt Ion: 105 Resp: 85264
 Ion Ratio Lower Upper
 105 100
 120 47.4 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 22.474 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.01 min

Lab File: VW008087.D

Acq: 08 Jan 2019 16:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

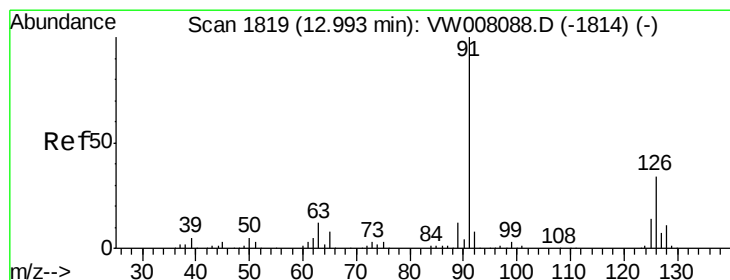
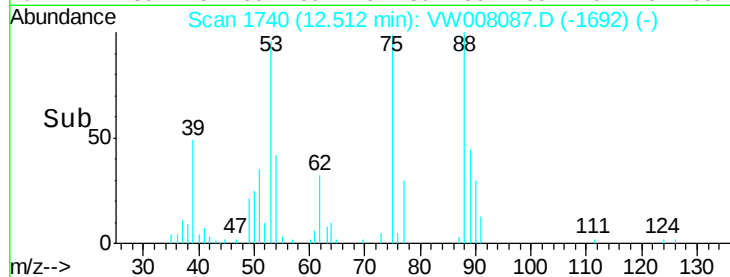
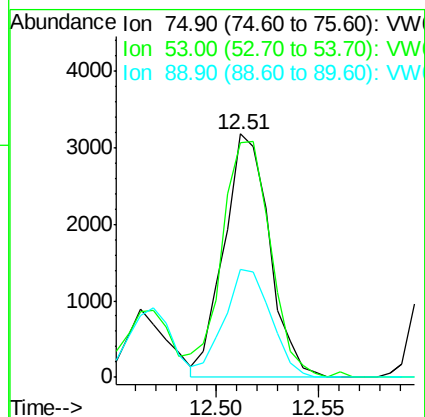
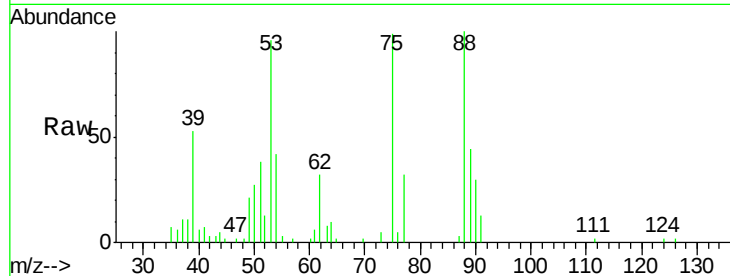
Tot Ion: 75 Resp: 4903

Ion Ratio Lower Upper

75 100

53 105.1 78.8 118.2

89 45.9 35.4 53.2



#82

4-Chlorotoluene

Concen: 20.932 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW008087.D

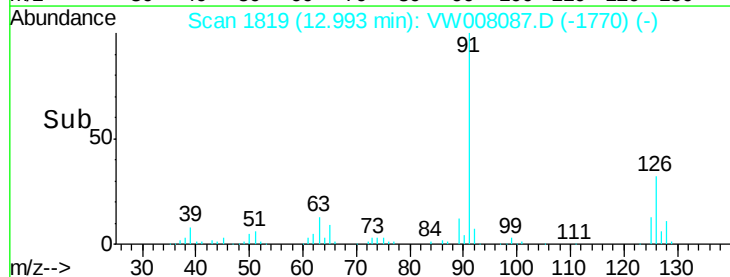
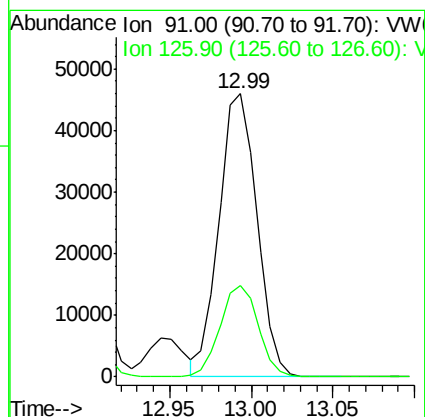
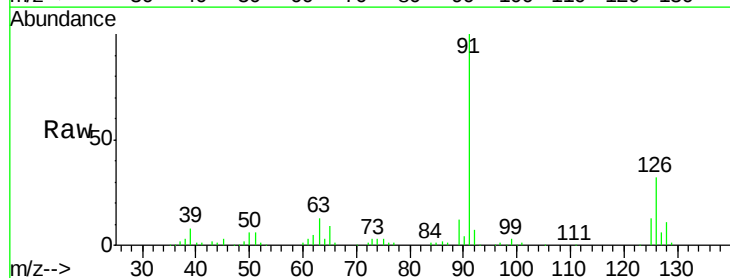
Acq: 08 Jan 2019 16:02

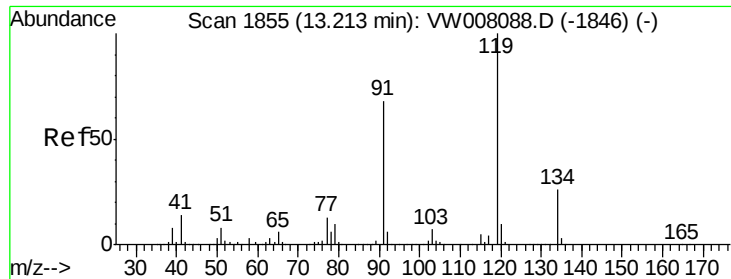
Tgt Ion: 91 Resp: 74735

Ion Ratio Lower Upper

91 100

126 32.3 16.5 49.5

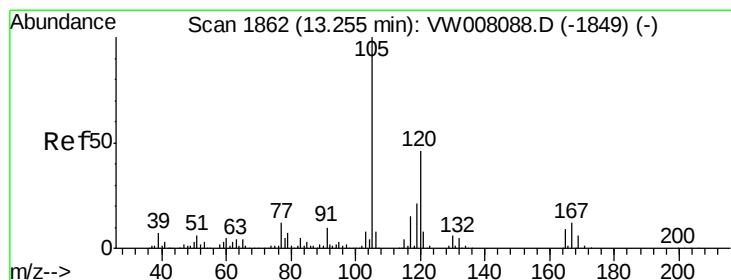
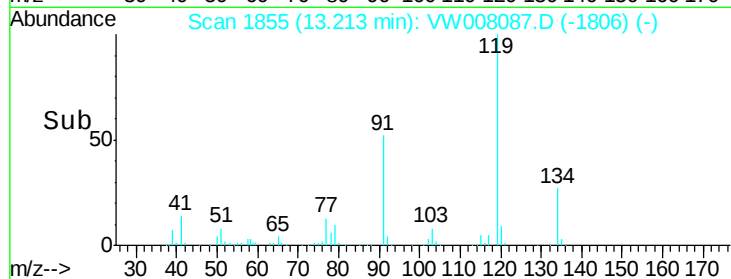
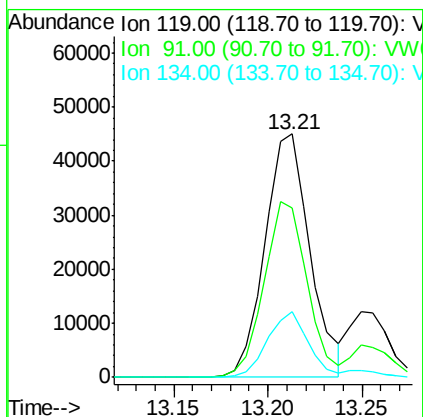
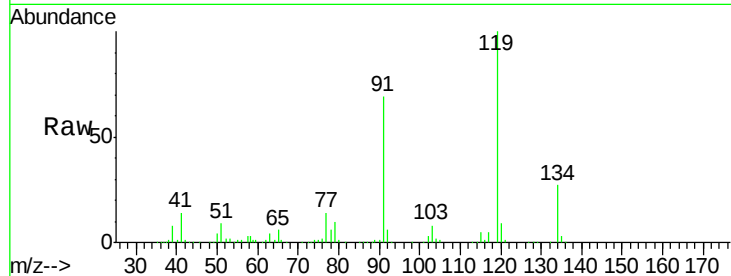




#83
tert-Butylbenzene
Concen: 19.939 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW008087.D
Acq: 08 Jan 2019 16:02

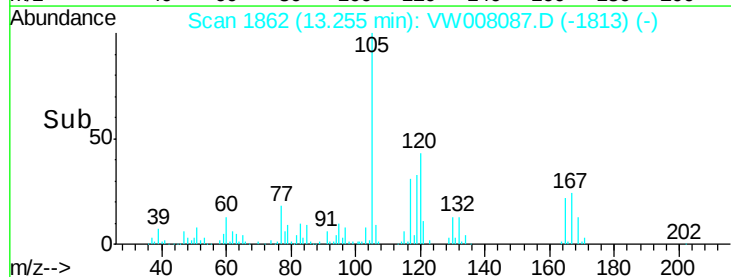
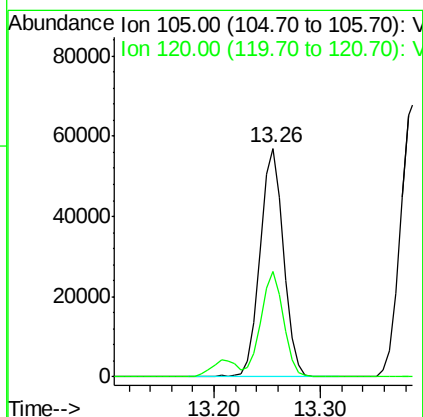
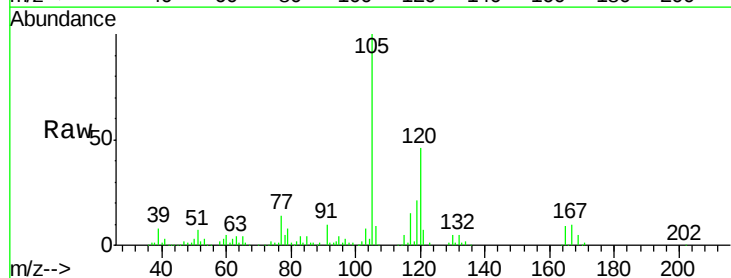
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

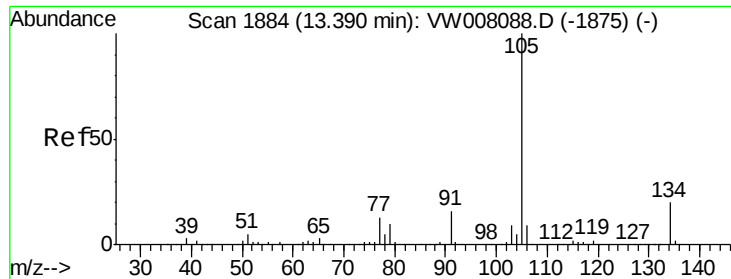
Tot Ion:119 Resp: 74740
Ion Ratio Lower Upper
119 100
91 68.9 33.9 101.6
134 24.5 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 20.298 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW008087.D
Acq: 08 Jan 2019 16:02

Tgt Ion:105 Resp: 88170
Ion Ratio Lower Upper
105 100
120 44.6 22.7 68.1

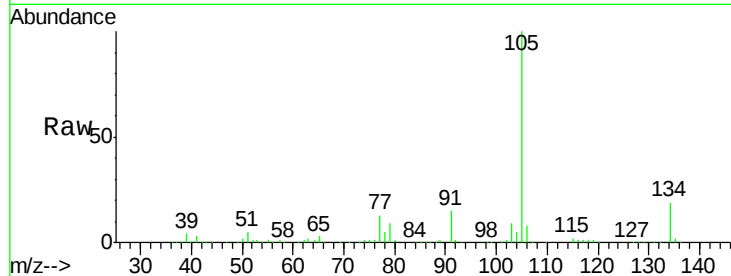




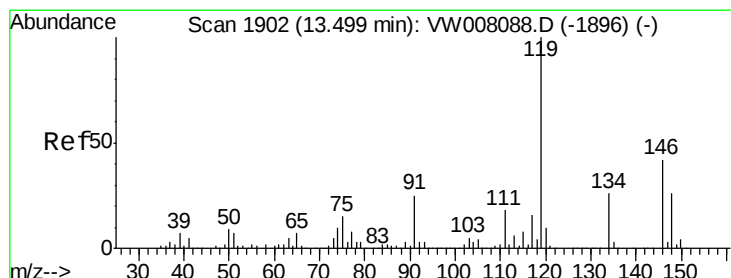
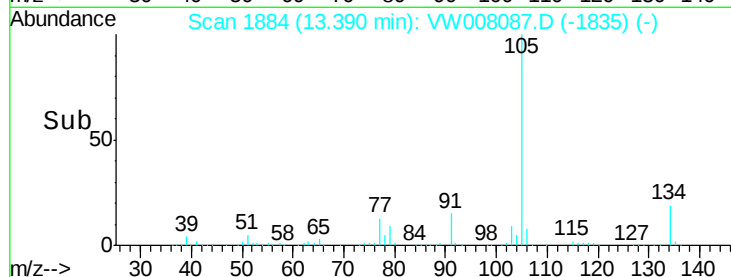
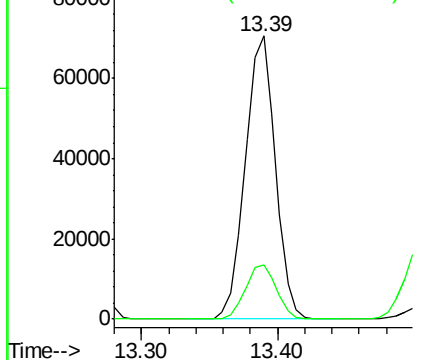
#85
 sec-Butylbenzene
 Concen: 21.039 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW008087.D
 Acq: 08 Jan 2019 16:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion:105 Resp: 109469
 Ion Ratio Lower Upper
 105 100
 134 19.7 10.1 30.1

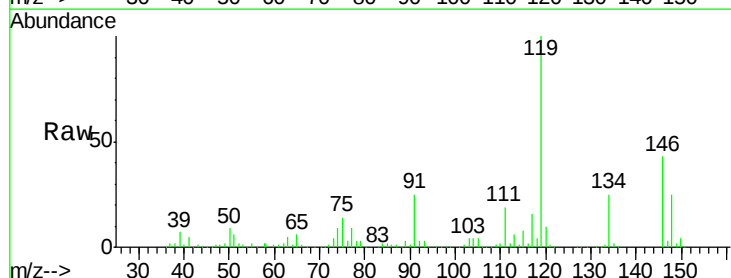


Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 134.00 (133.70 to 134.70): V

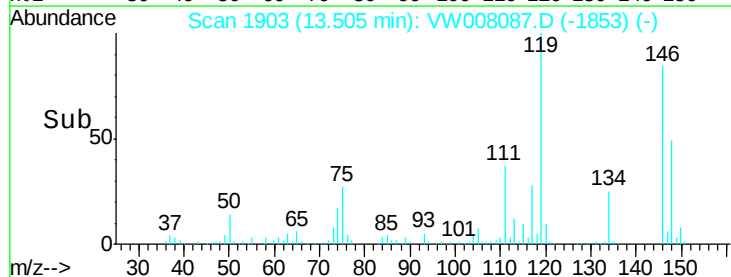
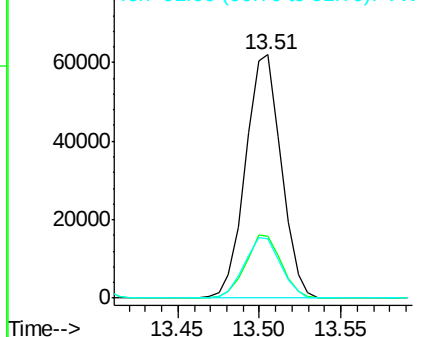


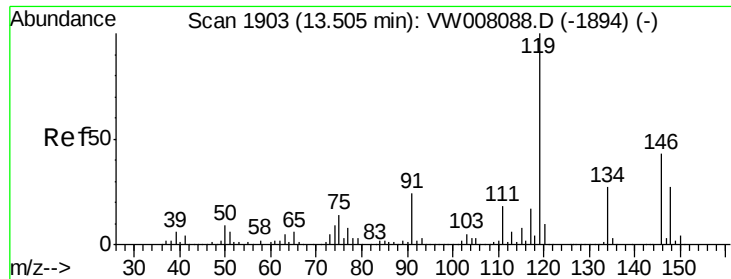
#86
 p-Isopropyltoluene
 Concen: 20.316 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW008087.D
 Acq: 08 Jan 2019 16:02

Tgt Ion:119 Resp: 94810
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.3 39.8
 91 25.5 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: 19.633 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW008087.D

Acq: 08 Jan 2019 16:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

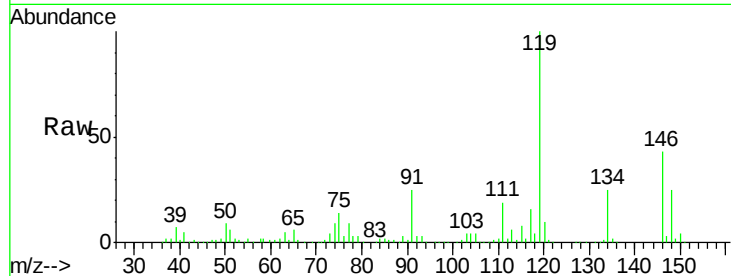
Tot Ion:146 Resp: 42496

Ion Ratio Lower Upper

146 100

111 45.2 21.1 63.1

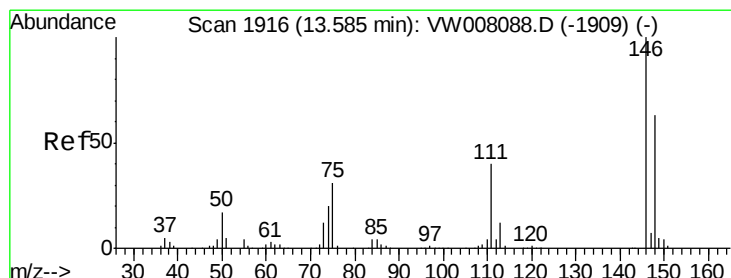
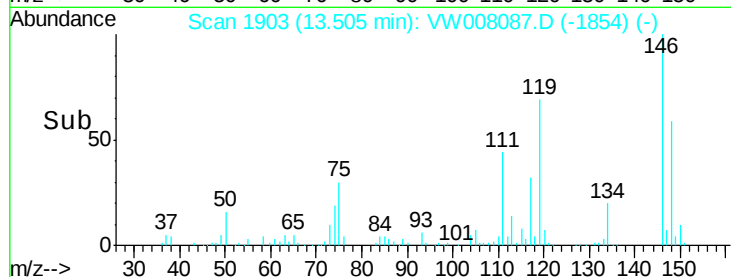
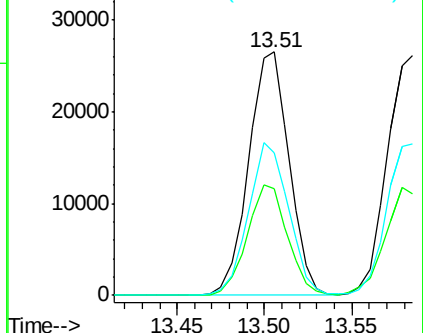
148 62.9 31.3 93.9



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: 19.862 ug/l

RT: 13.58 min Scan# 1916

Delta R.T. -0.00 min

Lab File: VW008087.D

Acq: 08 Jan 2019 16:02

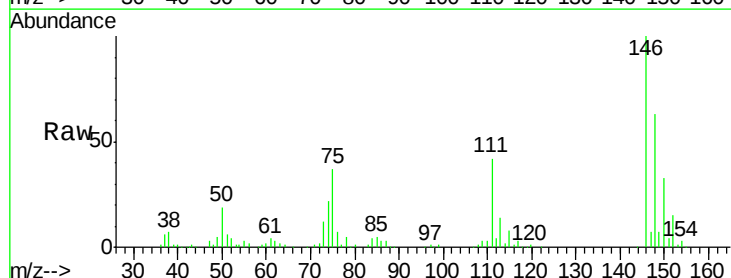
Tgt Ion:146 Resp: 42654

Ion Ratio Lower Upper

146 100

111 44.8 20.5 61.5

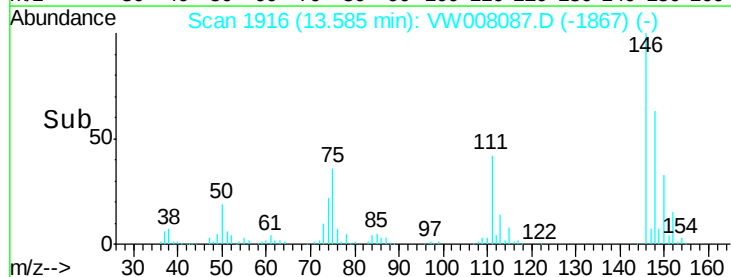
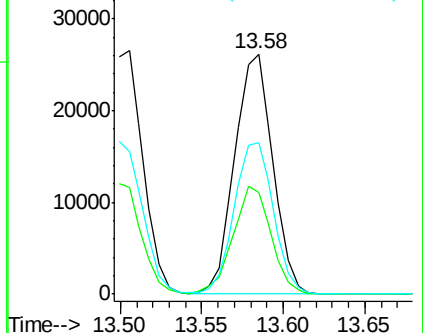
148 64.6 31.6 94.8

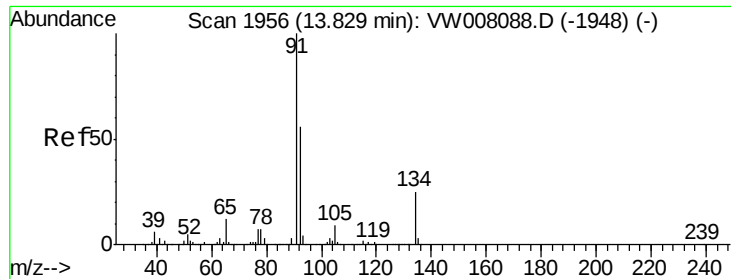


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 21.547 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW008087.D

Acq: 08 Jan 2019 16:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

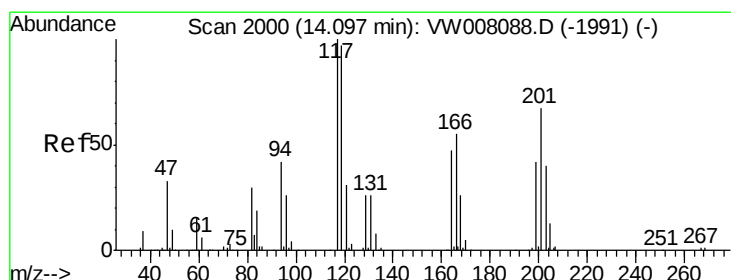
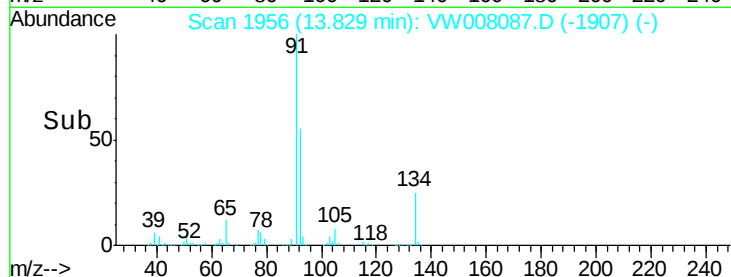
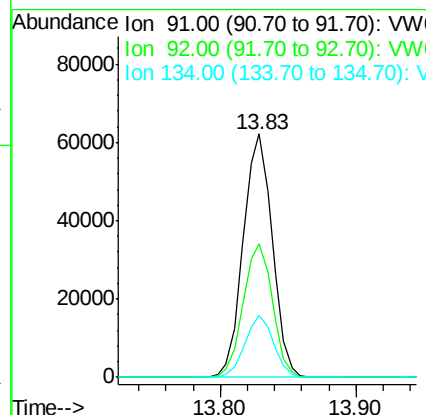
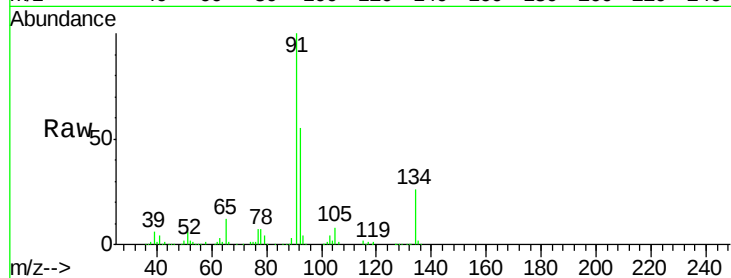
Tot Ion: 91 Resp: 92916

Ion Ratio Lower Upper

91 100

92 55.3 27.4 82.2

134 24.9 12.6 37.8



#90

Hexachloroethane

Concen: 19.240 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW008087.D

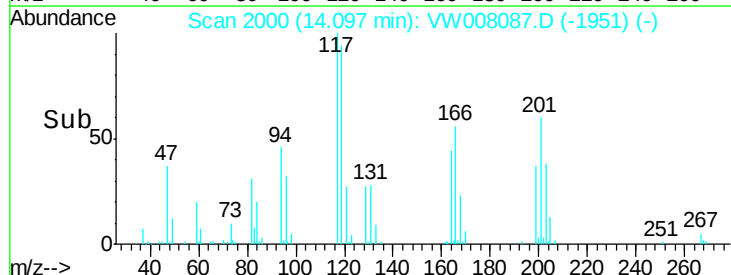
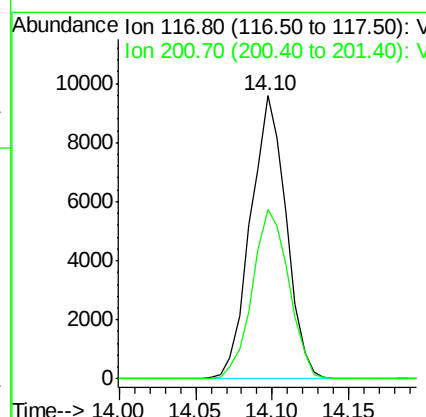
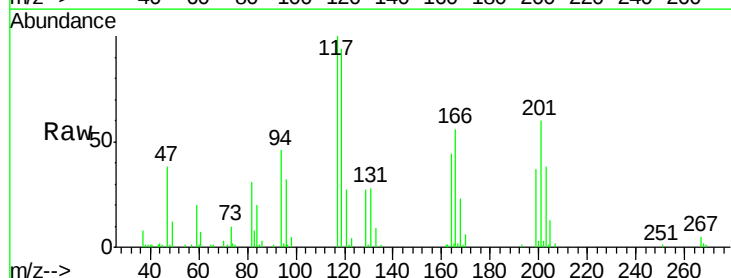
Acq: 08 Jan 2019 16:02

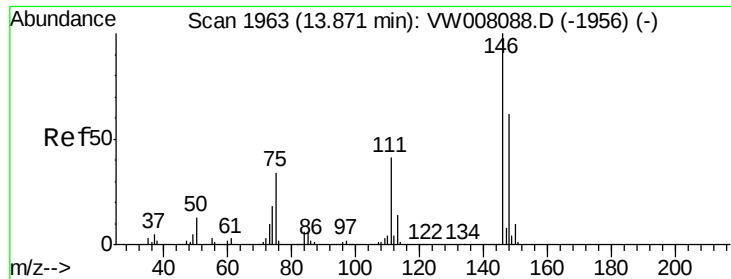
Tgt Ion: 117 Resp: 15531

Ion Ratio Lower Upper

117 100

201 61.5 33.0 98.9

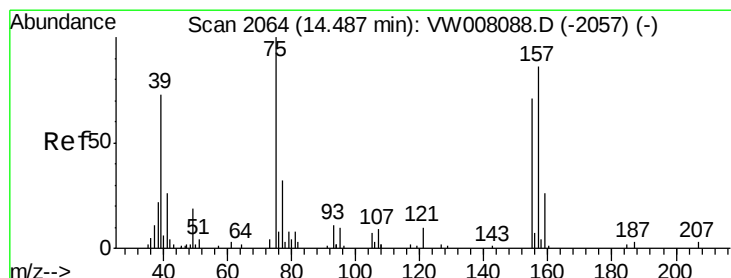
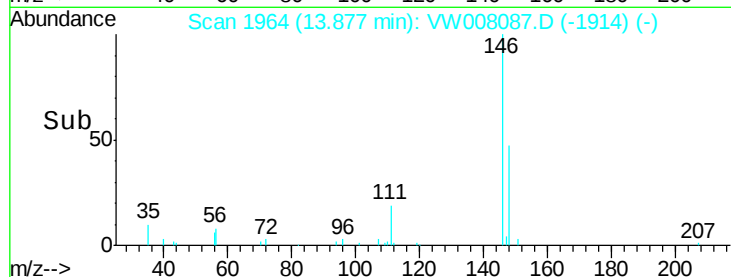
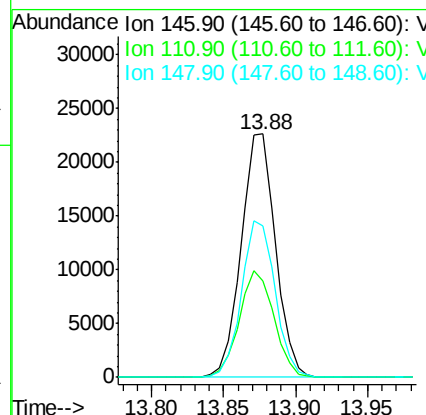
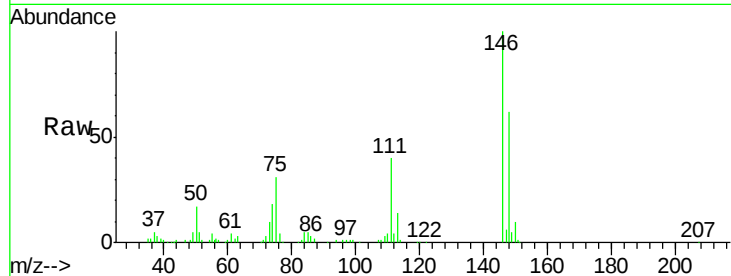




#91
 1,2-Dichlorobenzene
 Concen: 19.638 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.01 min
 Lab File: VW008087.D
 Acq: 08 Jan 2019 16:02

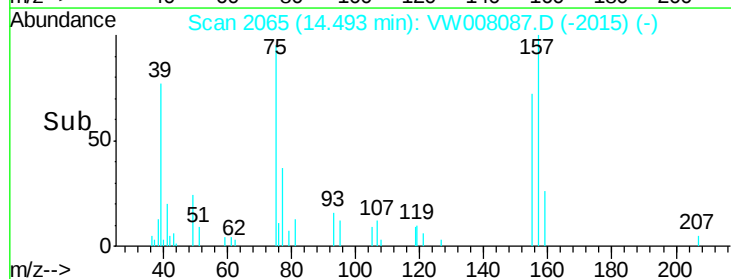
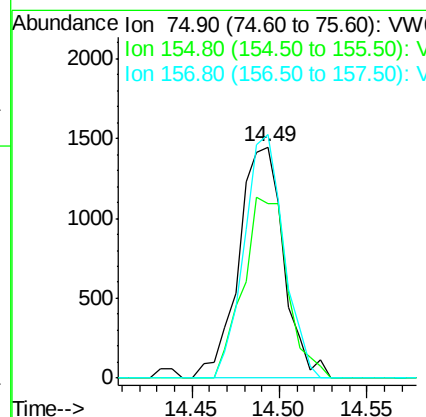
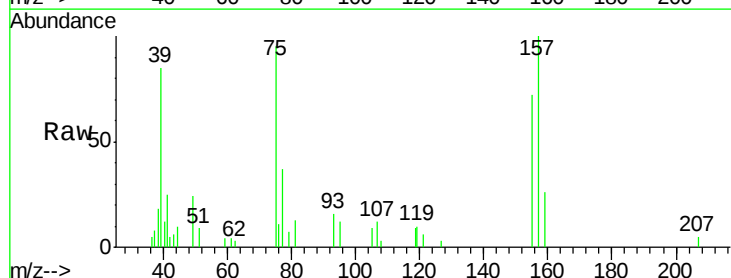
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

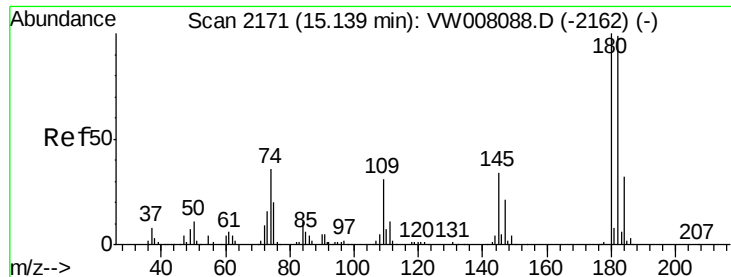
Tot Ion:146 Resp: 37418
 Ion Ratio Lower Upper
 146 100
 111 44.3 21.3 63.7
 148 63.0 31.5 94.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.976 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.01 min
 Lab File: VW008087.D
 Acq: 08 Jan 2019 16:02

Tgt Ion: 75 Resp: 2589
 Ion Ratio Lower Upper
 75 100
 155 77.2 38.6 115.7
 157 93.0 47.5 142.6

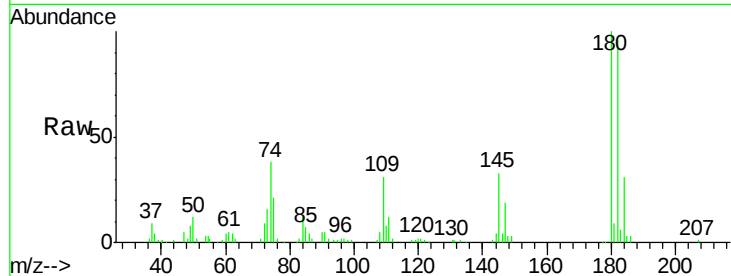




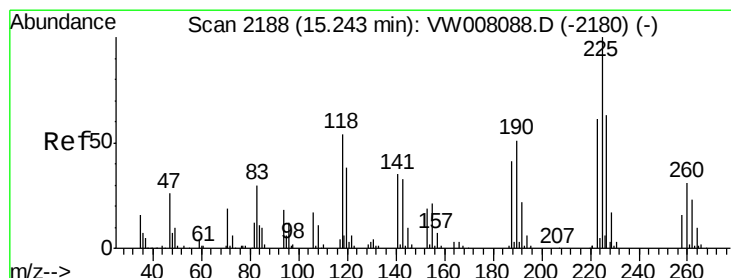
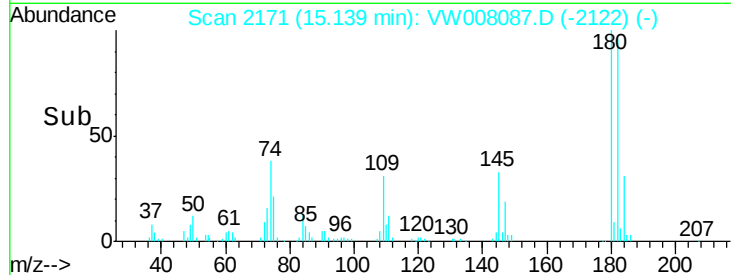
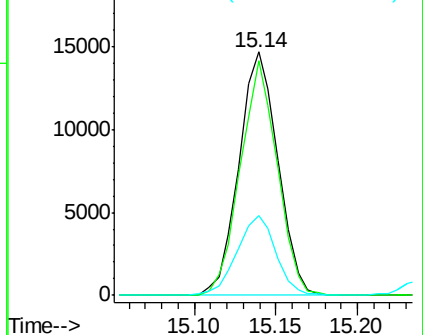
#93
 1,2,4-Trichlorobenzene
 Concen: 18.540 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW008087.D
 Acq: 08 Jan 2019 16:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion:180 Resp: 24374
 Ion Ratio Lower Upper
 180 100
 182 91.5 48.6 145.9
 145 32.6 16.6 49.7

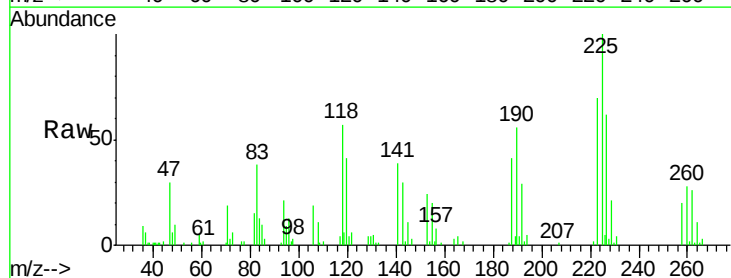


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

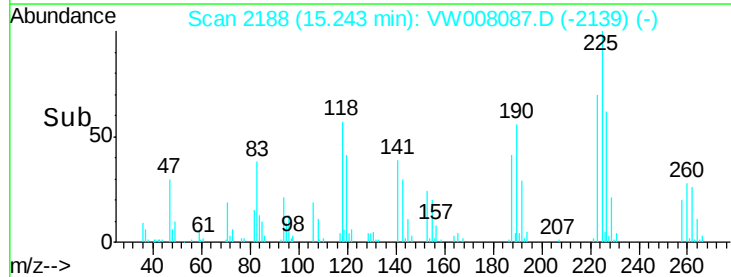
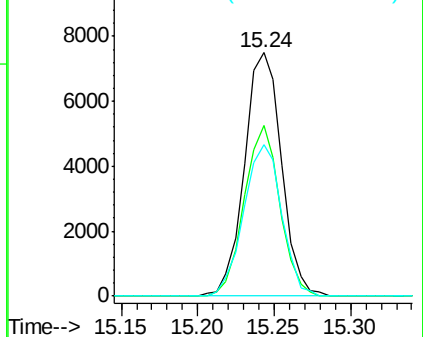


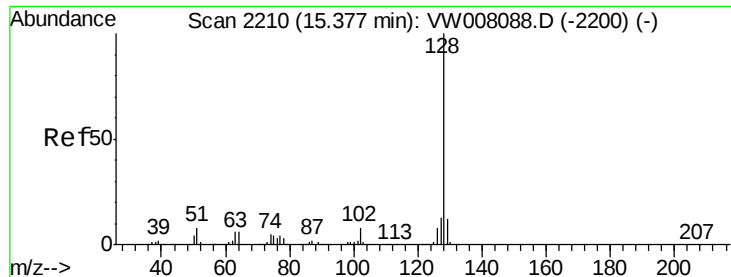
#94
 Hexachlorobutadiene
 Concen: 16.734 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008087.D
 Acq: 08 Jan 2019 16:02

Tgt Ion:225 Resp: 12610
 Ion Ratio Lower Upper
 225 100
 223 67.1 31.4 94.3
 227 63.6 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

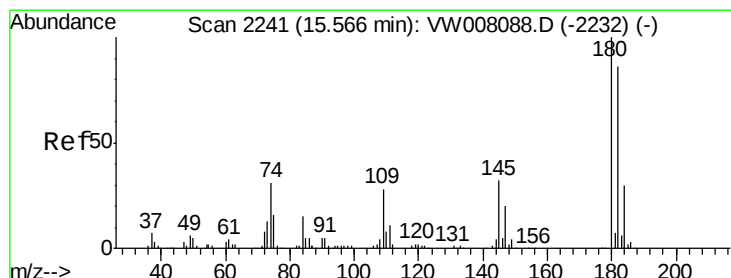
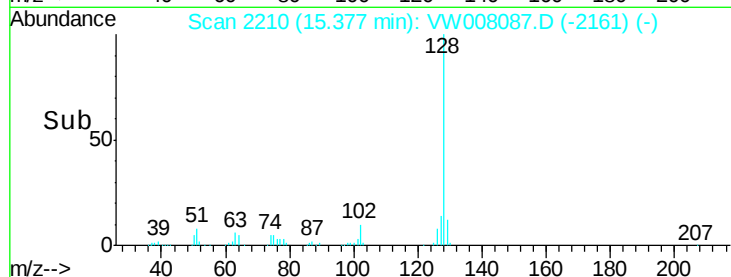
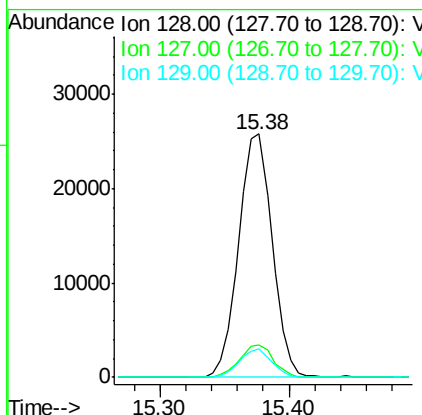
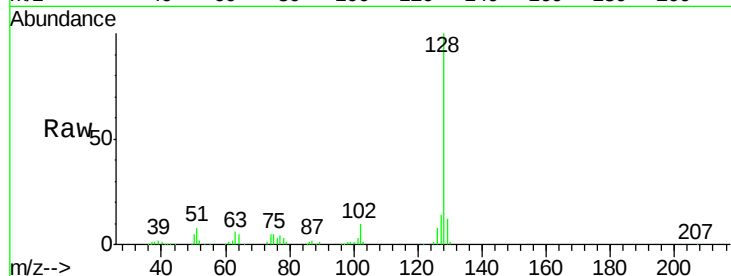




#95
Naphthalene
Concen: 20.426 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW008087.D
Acq: 08 Jan 2019 16:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion:128 Resp: 46545
Ion Ratio Lower Upper
128 100
127 13.5 11.0 16.4
129 11.1 9.0 13.6



#96
1,2,3-Trichlorobenzene
Concen: 18.334 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW008087.D
Acq: 08 Jan 2019 16:02

Tgt Ion:180 Resp: 20054
Ion Ratio Lower Upper
180 100
182 93.9 46.5 139.3
145 35.5 17.4 52.2

