

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010819\
 Data File : VW008089.D
 Acq On : 08 Jan 2019 17:04
 Operator : SY/AP
 Sample : VSTDIC075
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

Quant Time: Jan 09 03:24:45 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	92755	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	165517	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	151114	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	70551	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	73256	70.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	141.74%	
35) Dibromofluoromethane	7.88	113	66816	65.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	130.22%	
50) Toluene-d8	10.32	98	283648	72.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	144.06%	
62) 4-Bromofluorobenzene	12.62	95	98351	65.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	131.78%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	55614	67.893	ug/l	99
3) Chloromethane	2.21	50	70868	104.370	ug/l	98
4) Vinyl Chloride	2.37	62	91520	103.623	ug/l	95
5) Bromomethane	2.79	94	63332	110.318	ug/l	97
6) Chloroethane	2.93	64	67125	136.838	ug/l	94
7) Trichlorofluoromethane	3.26	101	74508	87.589	ug/l	91
8) Diethyl Ether	3.68	74	43162	96.771	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	75583	77.732	ug/l	100
10) Methyl Iodide	4.26	142	109869	71.044	ug/l	100
11) Tert butyl alcohol	5.24	59	22245	328.275	ug/l #	100
12) 1,1-Dichloroethene	4.03	96	74190	78.867	ug/l	95
13) Acrolein	3.90	56	28417	567.169	ug/l	98
14) Allyl chloride	4.67	41	136480	101.020	ug/l	99
15) Acrylonitrile	5.37	53	81972	500.037	ug/l	98
16) Acetone	4.14	43	67154	408.236	ug/l	92
17) Carbon Disulfide	4.37	76	236912	82.294	ug/l	99
18) Methyl Acetate	4.67	43	48241	107.055	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	120260	81.137	ug/l	93
20) Methylene Chloride	4.91	84	77381	70.105	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	81460	79.659	ug/l	94
22) Diisopropyl ether	6.31	45	255380	104.455	ug/l	99
23) Vinyl Acetate	6.26	43	691949	512.392	ug/l	99
24) 1,1-Dichloroethane	6.21	63	147579	85.500	ug/l	99
25) 2-Butanone	7.18	43	101812	506.728	ug/l	94
26) 2,2-Dichloropropane	7.16	77	97161	70.613	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	86132	78.865	ug/l	100
28) Bromochloromethane	7.51	49	55885	95.257	ug/l	97
29) Tetrahydrofuran	7.53	42	68870	539.068	ug/l	99
30) Chloroform	7.67	83	142347	75.436	ug/l	94
31) Cyclohexane	7.95	56	150691	90.920	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	124371	70.137	ug/l	99
36) 1,1-Dichloropropene	8.08	75	122643	75.682	ug/l	99
37) Ethyl Acetate	7.26	43	45042	87.163	ug/l	98
38) Carbon Tetrachloride	8.07	117	113170	60.661	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	157935	77.768	ug/l	97
40) Benzene	8.32	78	337084	78.244	ug/l	100
41) Methacrylonitrile	7.49	41	29876	100.803	ug/l	93
42) 1,2-Dichloroethane	8.40	62	91719	65.730	ug/l	100
43) Isopropyl Acetate	8.43	43	99001	96.938	ug/l	99
44) Trichloroethene	9.09	130	85986	69.421	ug/l	96
45) 1,2-Dichloropropane	9.37	63	83903	87.802	ug/l	98
46) Dibromomethane	9.46	93	40393	74.809	ug/l	97
47) Bromodichloromethane	9.65	83	105566	70.414	ug/l	98
48) Methyl methacrylate	9.43	41	48850	94.696	ug/l	98
49) 1,4-Dioxane	9.48	88	11771	1455.833	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	234744	489.766	ug/l	99
52) Toluene	10.39	92	216387	76.195	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	111894	76.634	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	130210	79.174	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	57613	78.580	ug/l	97
56) Ethyl methacrylate	10.65	69	75011	88.206	ug/l	99
57) 1,3-Dichloropropane	10.93	76	103869	81.602	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	182881	440.406	ug/l	99
59) 2-Hexanone	10.97	43	160306	486.022	ug/l	100
60) Dibromochloromethane	11.13	129	66145	67.455	ug/l	100
61) 1,2-Dibromoethane	11.24	107	55386	75.450	ug/l	99
64) Tetrachloroethene	10.86	164	70109	69.579	ug/l	97
65) Chlorobenzene	11.66	112	227699	71.837	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	75402	66.561	ug/l	99
67) Ethyl Benzene	11.73	91	418829	73.925	ug/l	99
68) m/p-Xylenes	11.84	106	318135	145.617	ug/l	100
69) o-Xylene	12.17	106	151053	74.338	ug/l	97
70) Styrene	12.18	104	238658	72.242	ug/l	99
71) Bromoform	12.35	173	34799	66.579	ug/l #	96
73) Isopropylbenzene	12.47	105	407539	73.795	ug/l	99
74) N-amyl acetate	12.27	43	91944	100.077	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.72	83	63500	87.162	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	87194	153.817	ug/l	26
77) Bromobenzene	12.75	156	86657	73.644	ug/l	94
78) n-propylbenzene	12.81	91	494119	76.313	ug/l	100
79) 2-Chlorotoluene	12.90	91	274064	73.745	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	334122	70.792	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	20449	84.750	ug/l	99
82) 4-Chlorotoluene	12.99	91	285826	72.383	ug/l	99
83) tert-Butylbenzene	13.21	119	298012	71.885	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	336626	70.071	ug/l	99
85) sec-Butylbenzene	13.39	105	429228	74.590	ug/l	99
86) p-Isopropyltoluene	13.51	119	370885	71.857	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	172903	72.225	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	170529	71.800	ug/l	99
89) n-Butylbenzene	13.83	91	363876	76.297	ug/l	100
90) Hexachloroethane	14.10	117	64133	71.836	ug/l	96
91) 1,2-Dichlorobenzene	13.88	146	150244	71.297	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	10519	73.384	ug/l	96

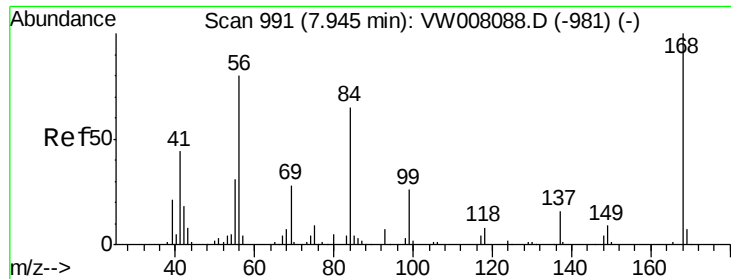
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010819\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	100940	69.424	ug/l	98
94) Hexachlorobutadiene	15.24	225	56125	67.346	ug/l	97
95) Naphthalene	15.38	128	190827	75.720	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	86464	71.475	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

Instrument :

MSVOA_W

ClientSampleId :

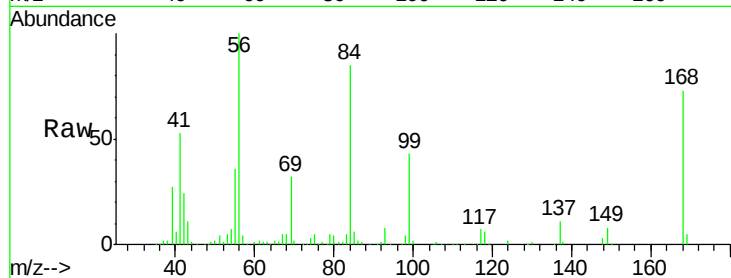
VSTDIC075

Tot Ion:168 Resp: 92755

Ion Ratio Lower Upper

168 100

99 58.1 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

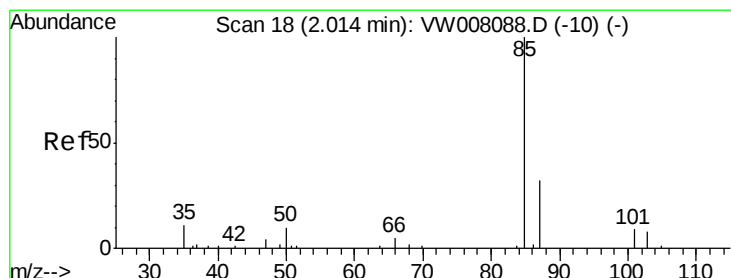
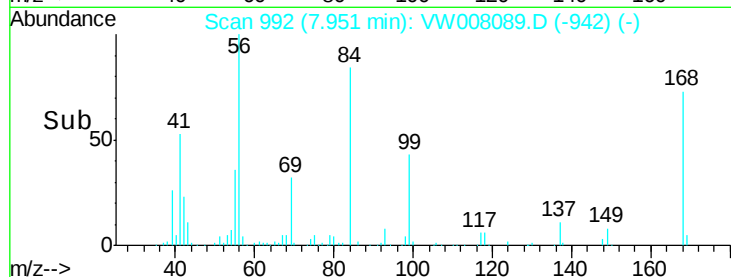
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 67.893 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW008089.D

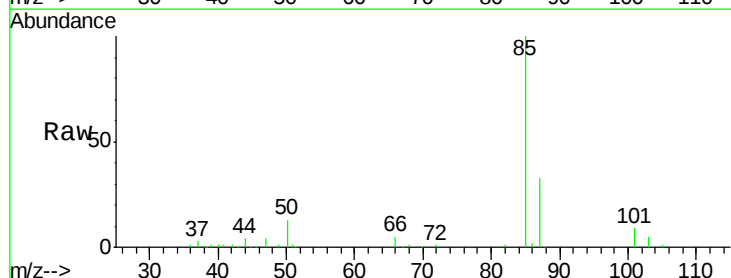
Acq: 08 Jan 2019 17:04

Tgt Ion: 85 Resp: 55614

Ion Ratio Lower Upper

85 100

87 32.7 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

15000

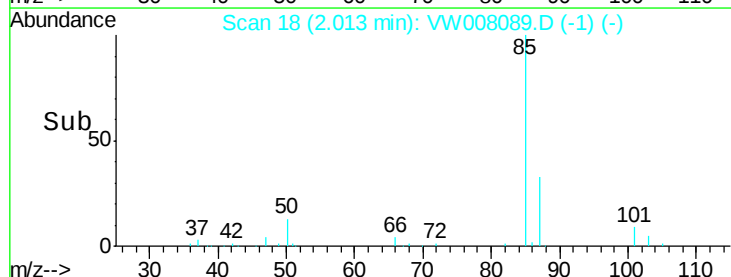
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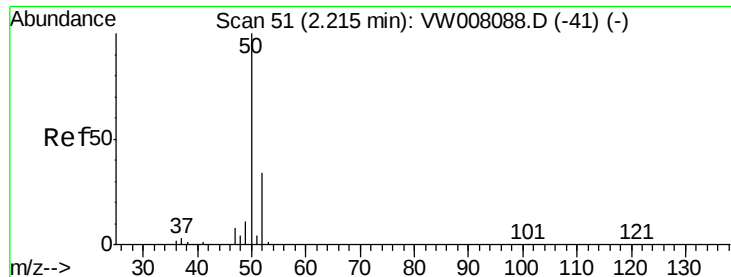
5000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 104.370 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

Instrument :

MSVOA_W

ClientSampleId :

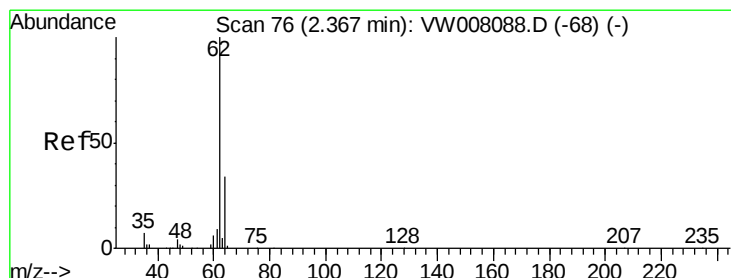
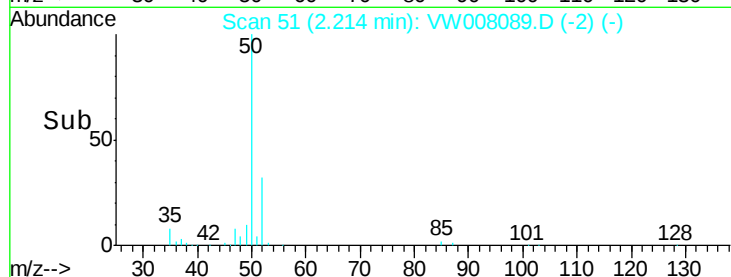
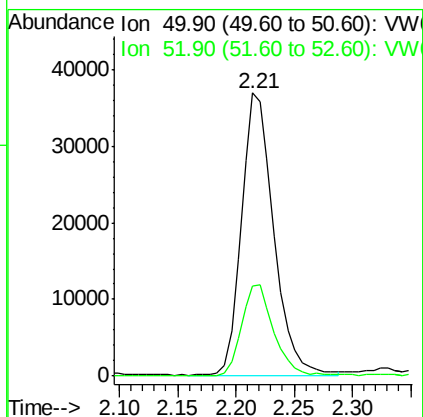
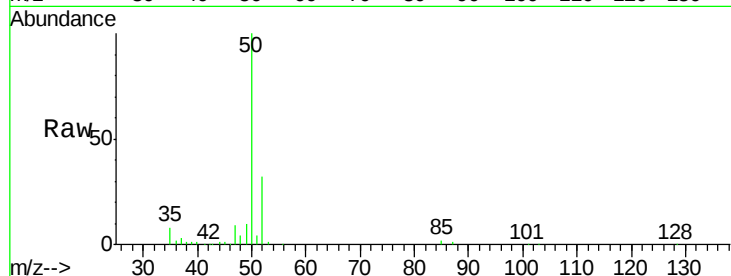
VSTDIC075

Tot Ion: 50 Resp: 70868

Ion Ratio Lower Upper

50 100

52 32.1 26.8 40.2



#4

Vinyl Chloride

Concen: 103.623 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW008089.D

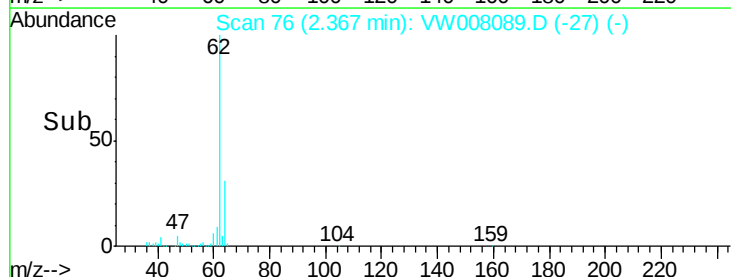
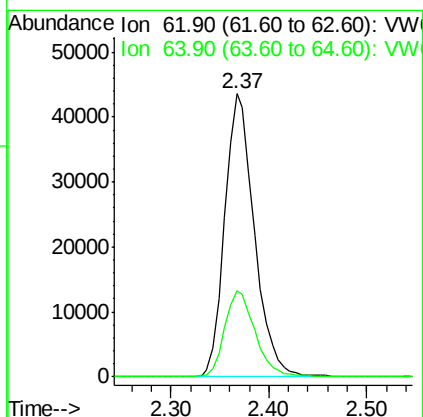
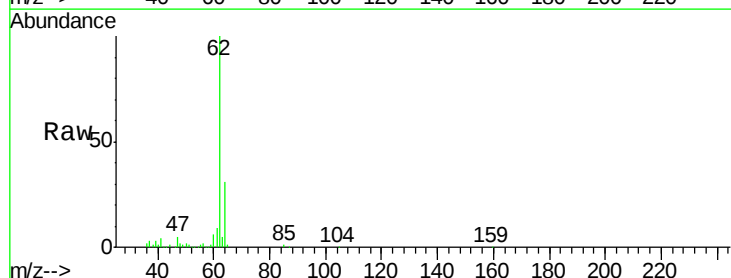
Acq: 08 Jan 2019 17:04

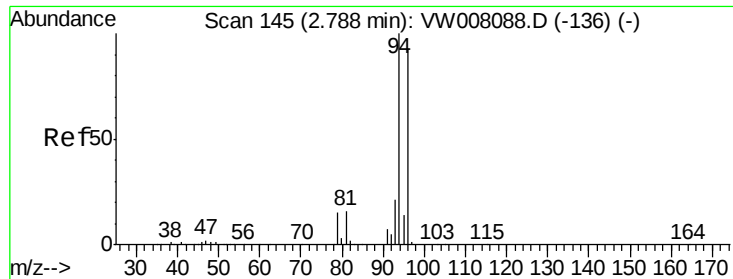
Tgt Ion: 62 Resp: 91520

Ion Ratio Lower Upper

62 100

64 30.7 27.0 40.6





#5

Bromomethane

Concen: 110.318 ug/l

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

Instrument :

MSVOA_W

ClientSampleId :

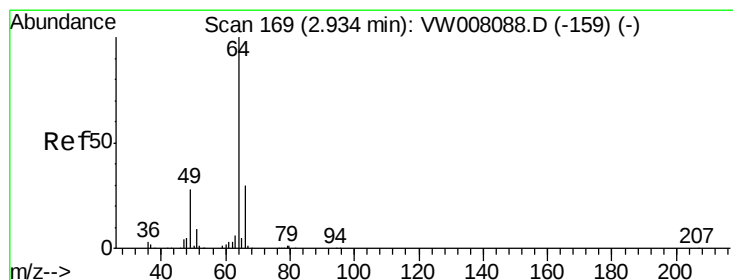
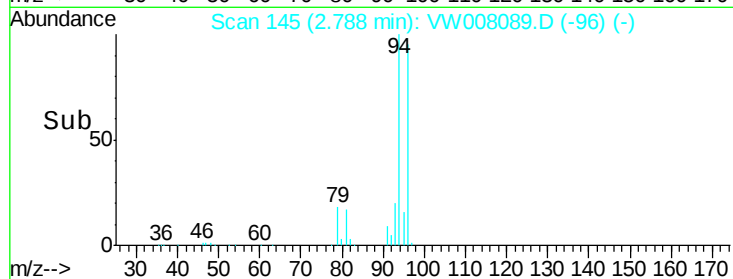
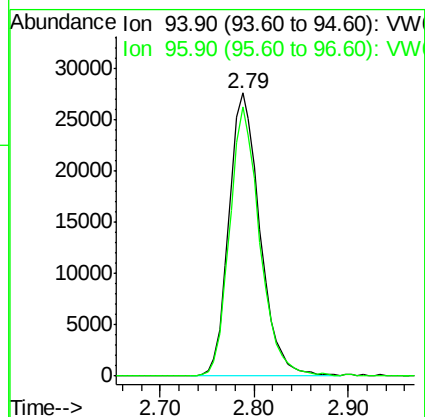
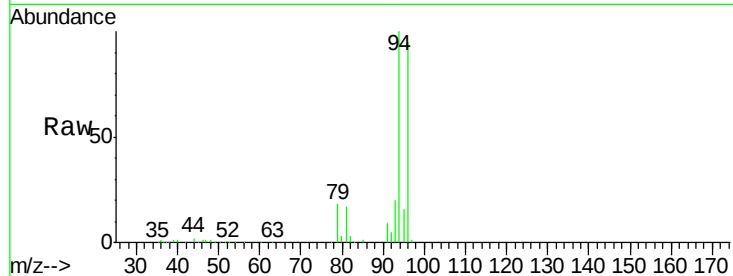
VSTDIC075

Tot Ion: 94 Resp: 63332

Ion Ratio Lower Upper

94 100

96 95.4 74.1 111.1



#6

Chloroethane

Concen: 136.838 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW008089.D

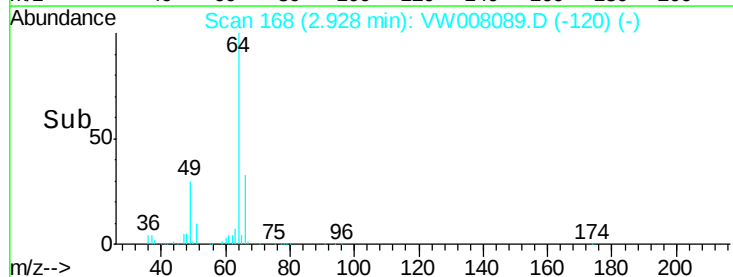
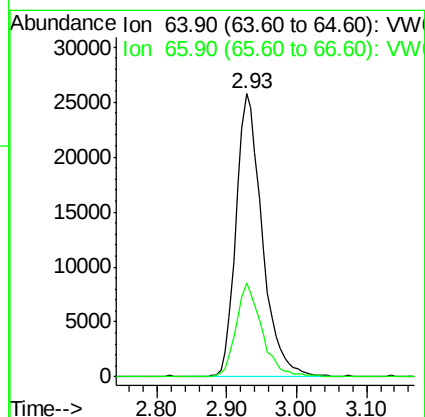
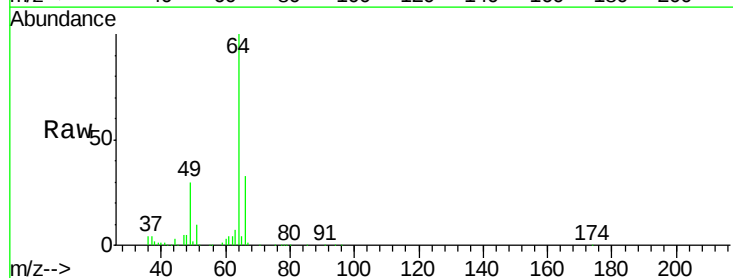
Acq: 08 Jan 2019 17:04

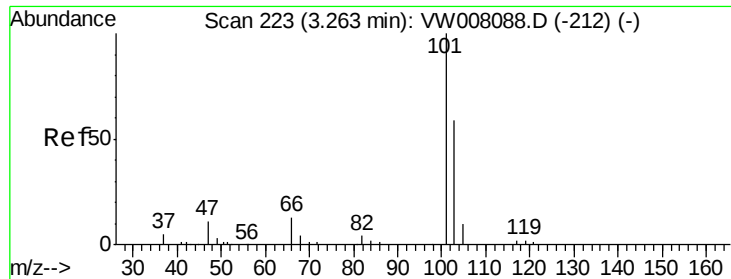
Tgt Ion: 64 Resp: 67125

Ion Ratio Lower Upper

64 100

66 33.2 24.2 36.2



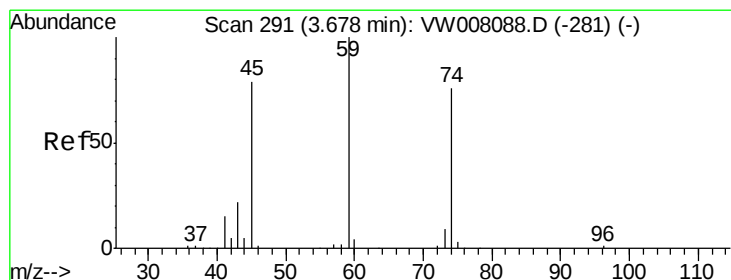
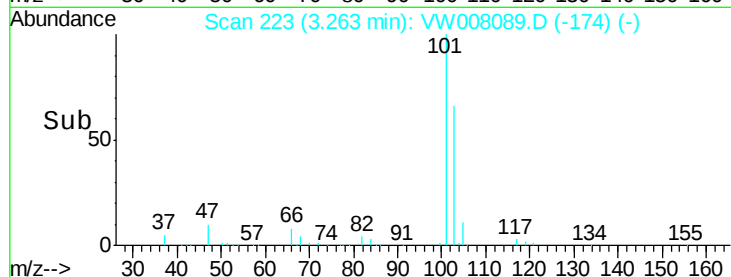
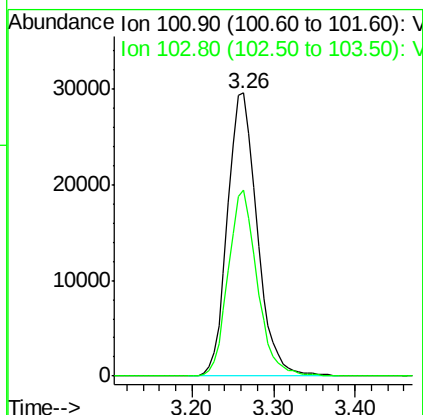
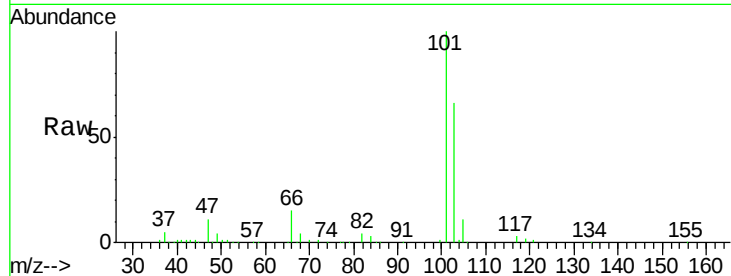


#7

Trichlorofluoromethane
Concen: 87.589 ug/l
RT: 3.26 min Scan# 223
Delta R.T. -0.00 min
Lab File: VW008089.D
Acq: 08 Jan 2019 17:04

Instrument :
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ClientSampleId :
VSTDIC075

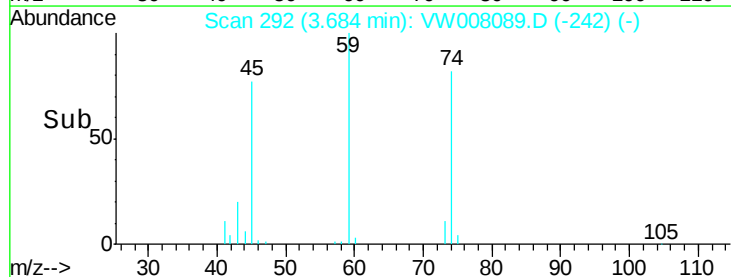
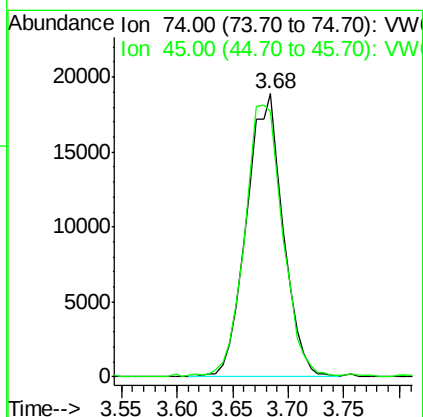
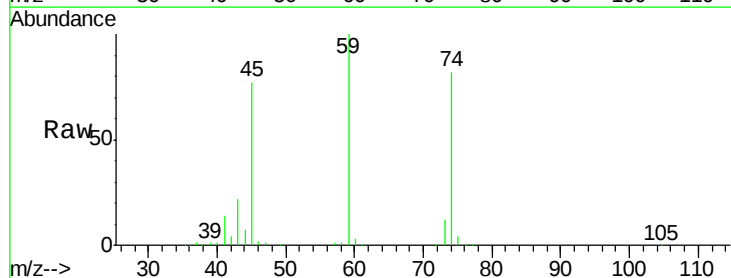
Tot Ion:101 Resp: 74508
Ion Ratio Lower Upper
101 100
103 65.8 47.0 70.6

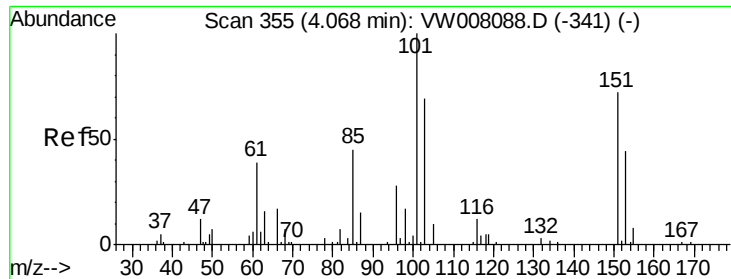


#8

Diethyl Ether
Concen: 96.771 ug/l
RT: 3.68 min Scan# 292
Delta R.T. 0.01 min
Lab File: VW008089.D
Acq: 08 Jan 2019 17:04

Tgt Ion: 74 Resp: 43162
Ion Ratio Lower Upper
74 100
45 98.9 52.4 157.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 77.732 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

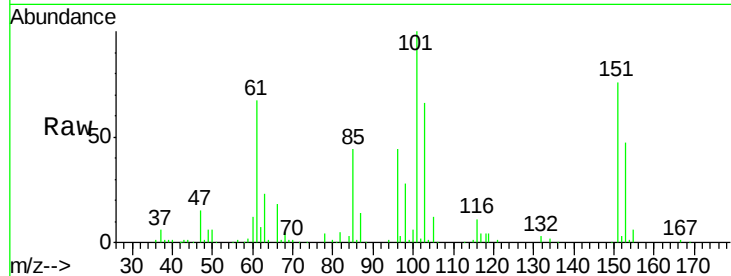
Tot Ion:101 Resp: 75583

Ion Ratio Lower Upper

101 100

85 44.4 35.9 53.9

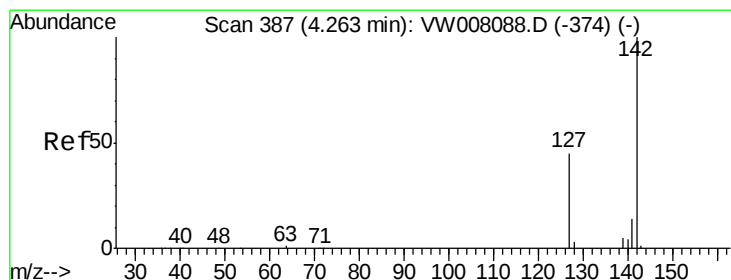
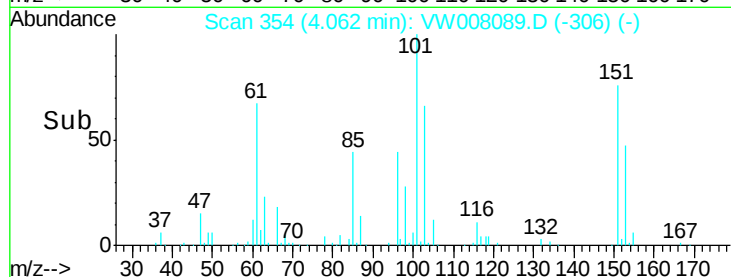
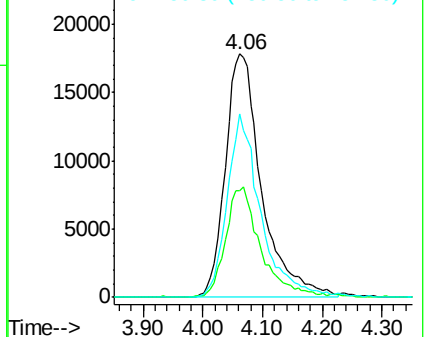
151 70.0 55.8 83.8



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: 71.044 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.00 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

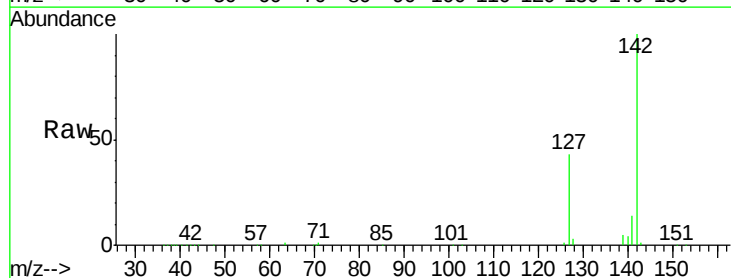
Tgt Ion:142 Resp: 109869

Ion Ratio Lower Upper

142 100

127 43.8 35.0 52.4

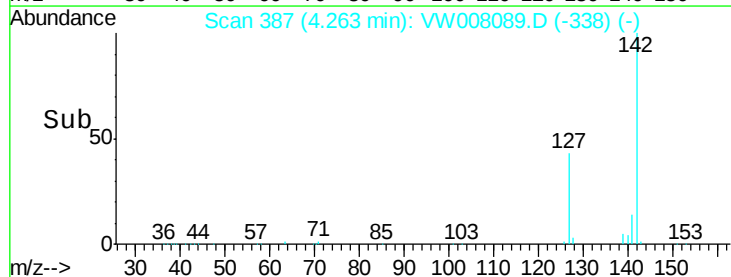
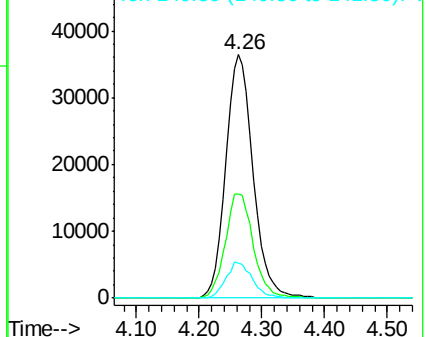
141 14.4 11.8 17.6

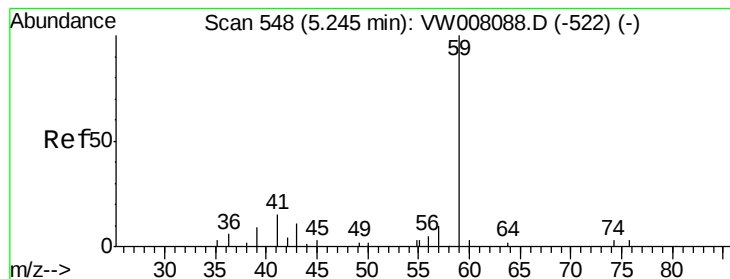


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



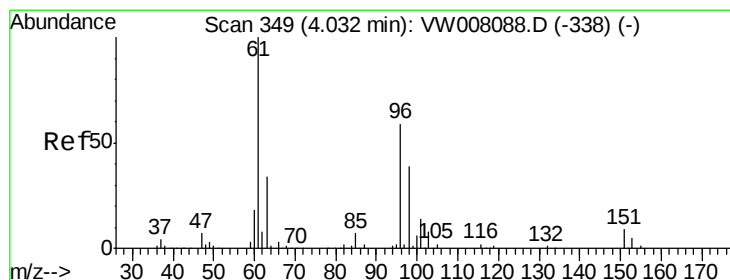
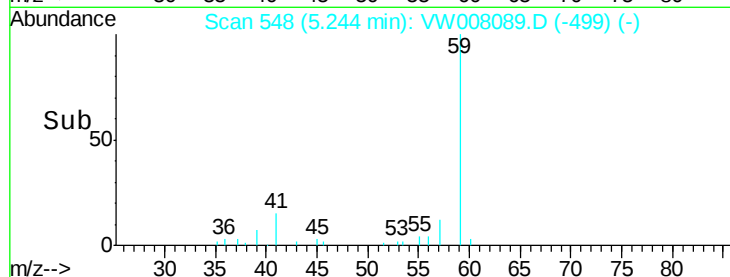
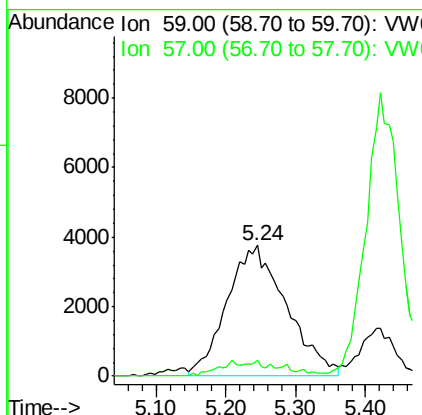
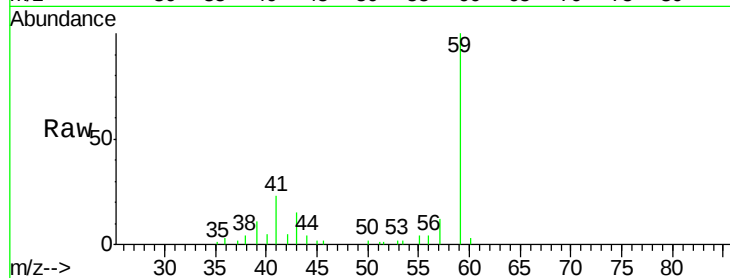


#11

Tert butyl alcohol
 Concen: 328.275 ug/l
 RT: 5.24 min Scan# 548
 Delta R.T. -0.00 min
 Lab File: VW008089.D
 Acq: 08 Jan 2019 17:04

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC075

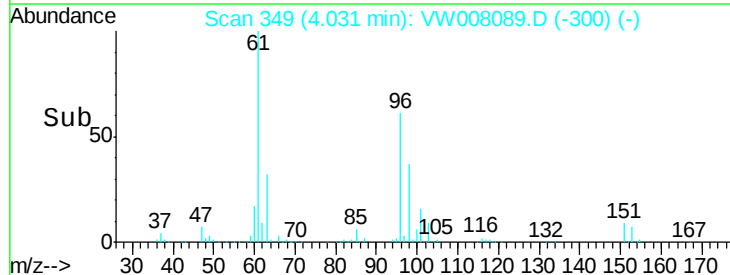
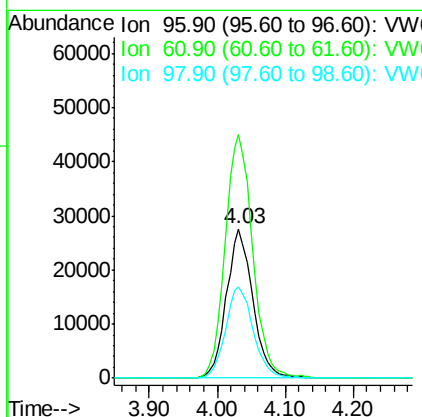
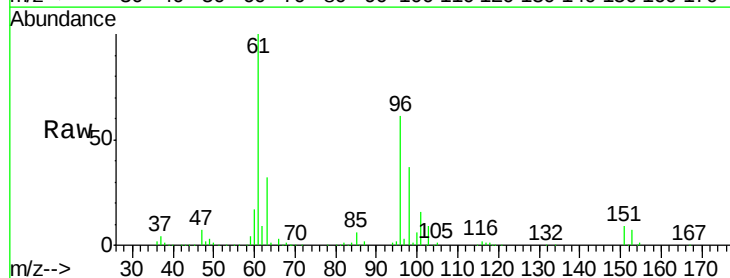
Tot Ion: 59 Resp: 22245
 Ion Ratio Lower Upper
 59 100
 57 0.0 0.0 0.0

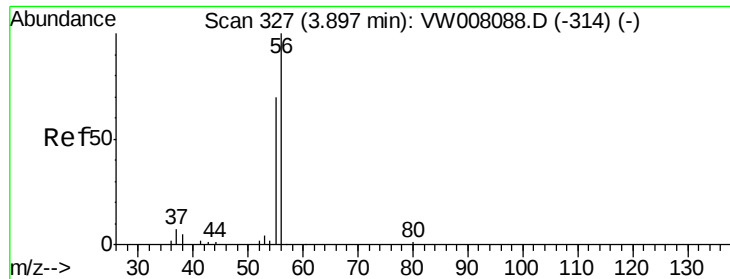


#12

1,1-Dichloroethene
 Concen: 78.867 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.00 min
 Lab File: VW008089.D
 Acq: 08 Jan 2019 17:04

Tgt Ion: 96 Resp: 74190
 Ion Ratio Lower Upper
 96 100
 61 163.5 135.4 203.2
 98 61.2 52.5 78.7





#13

Acrolein

Concen: 567.169 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.00 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

Instrument :

MSVOA_W

ClientSampleId :

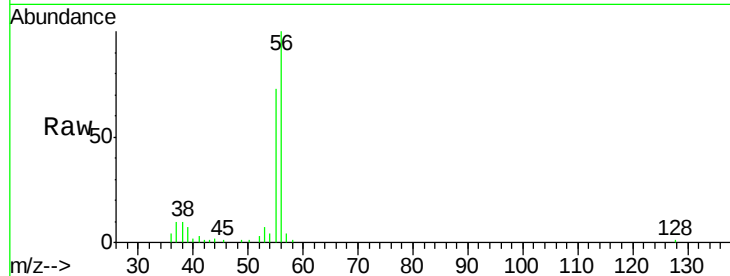
VSTDIC075

Tot Ion: 56 Resp: 28417

Ion Ratio Lower Upper

56 100

55 72.5 56.6 84.8



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

3.90

12000

10000

8000

6000

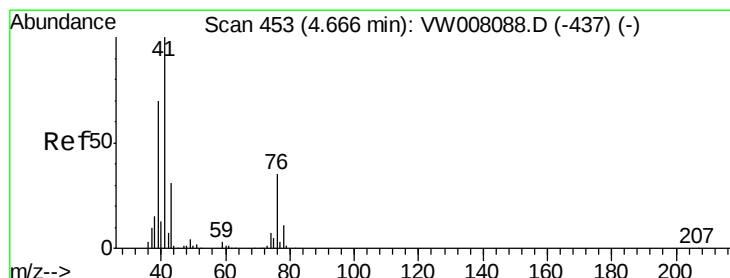
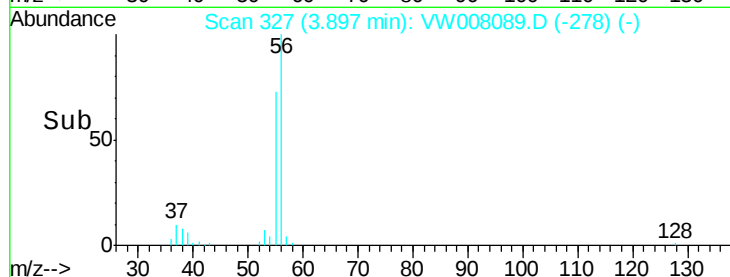
4000

2000

0

Time-->

3.80 3.90 4.00



#14

Allyl chloride

Concen: 101.020 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

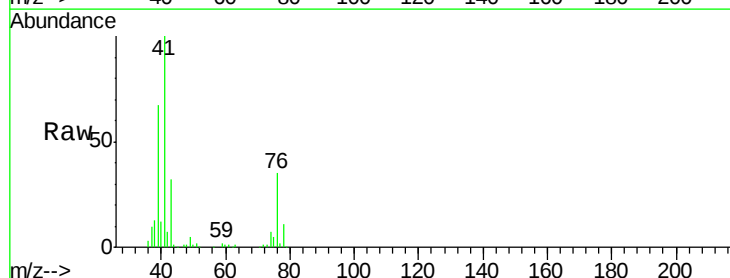
Tgt Ion: 41 Resp: 136480

Ion Ratio Lower Upper

41 100

39 67.9 53.8 80.8

76 34.8 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

4.67

60000

50000

40000

30000

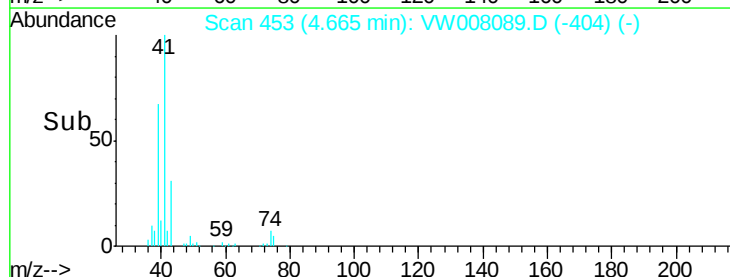
20000

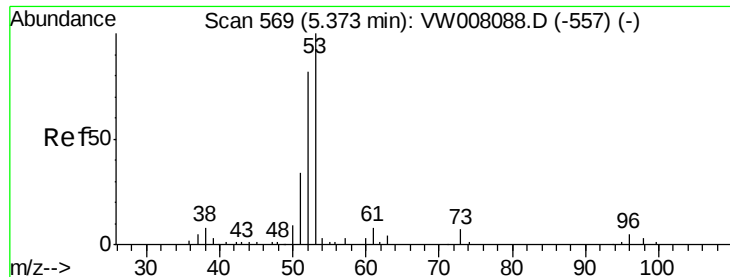
10000

0

Time-->

4.50 4.60 4.70 4.80





#15

Acrylonitrile

Concen: 500.037 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.00 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

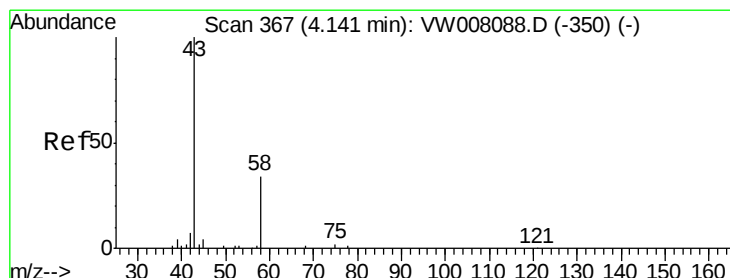
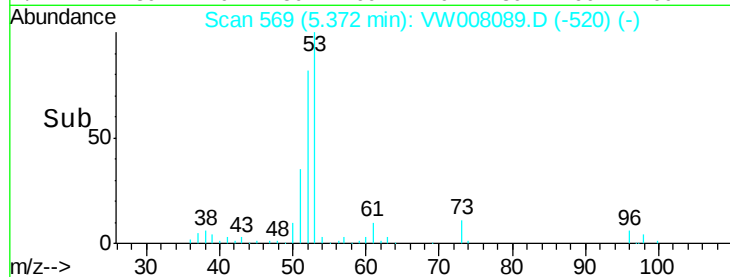
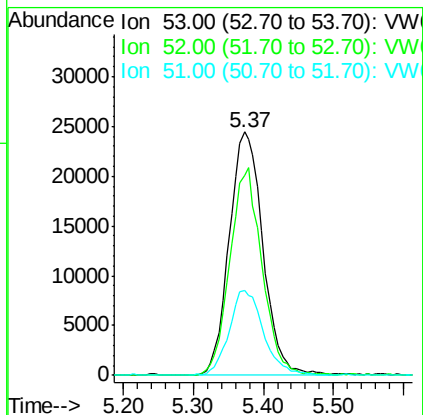
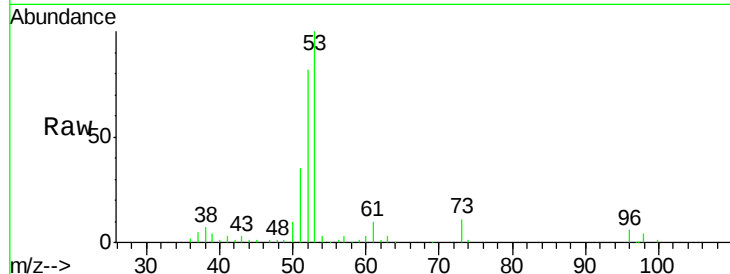
Tot Ion: 53 Resp: 81972

Ion Ratio Lower Upper

53 100

52 81.2 66.8 100.2

51 35.8 29.7 44.5



#16

Acetone

Concen: 408.236 ug/l

RT: 4.14 min Scan# 367

Delta R.T. -0.00 min

Lab File: VW008089.D

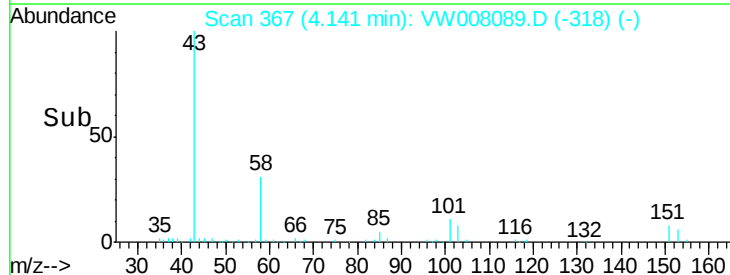
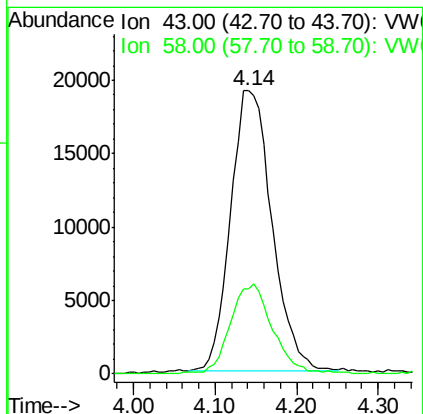
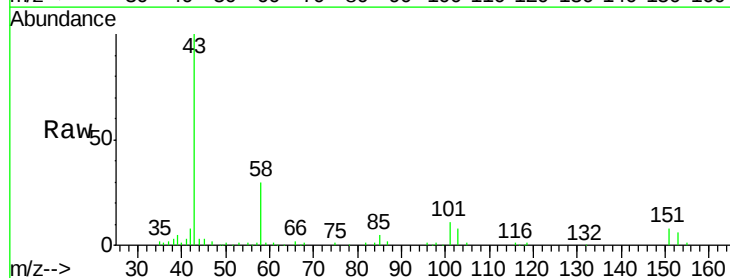
Acq: 08 Jan 2019 17:04

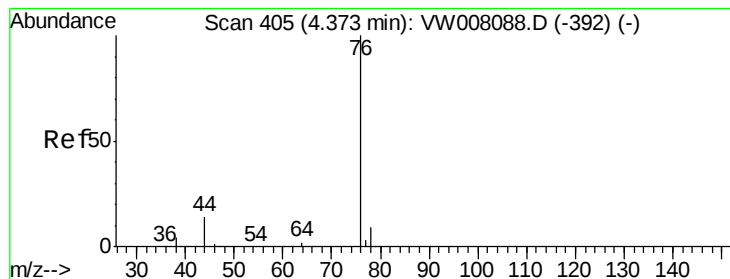
Tgt Ion: 43 Resp: 67154

Ion Ratio Lower Upper

43 100

58 29.8 27.5 41.3





#17

Carbon Disulfide

Concen: 82.294 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

Instrument :

MSVOA_W

ClientSampleId :

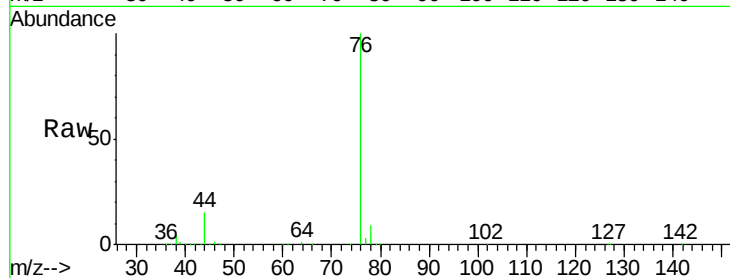
VSTDIC075

Tot Ion: 76 Resp: 236912

Ion Ratio Lower Upper

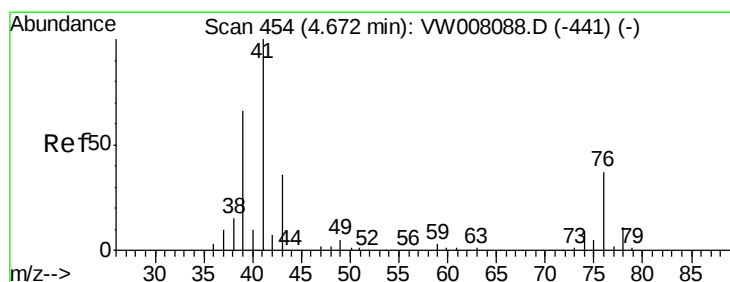
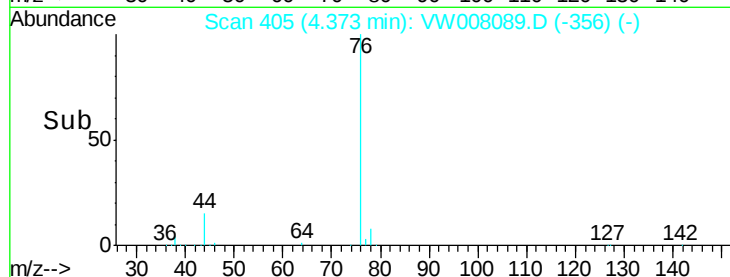
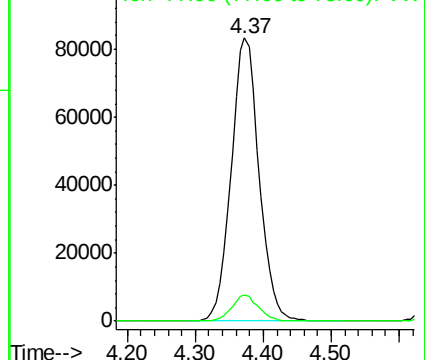
76 100

78 9.0 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 107.055 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW008089.D

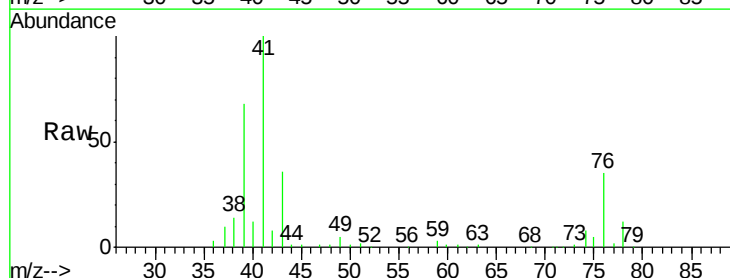
Acq: 08 Jan 2019 17:04

Tgt Ion: 43 Resp: 48241

Ion Ratio Lower Upper

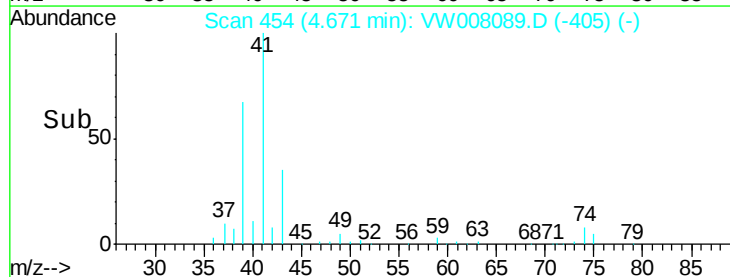
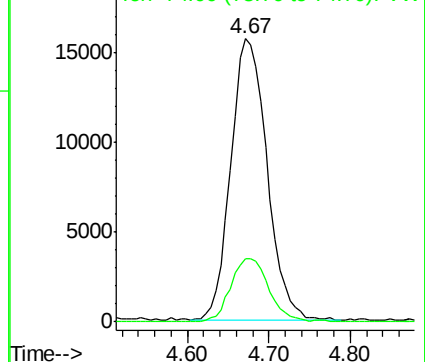
43 100

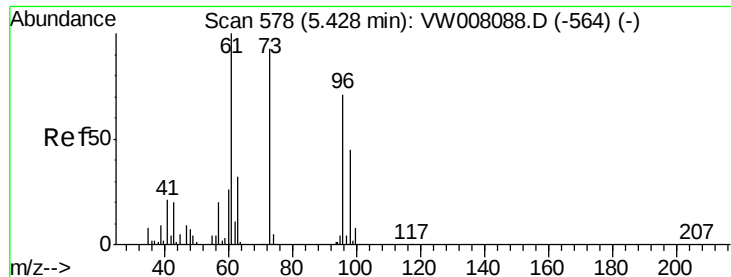
74 23.9 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



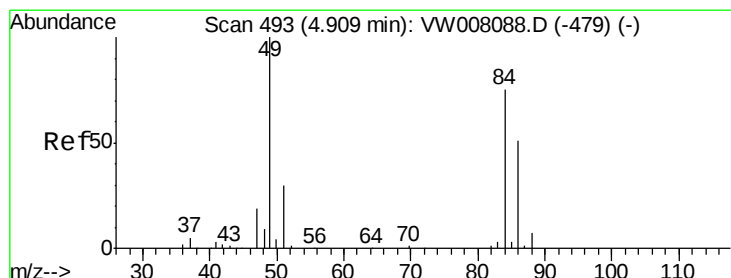
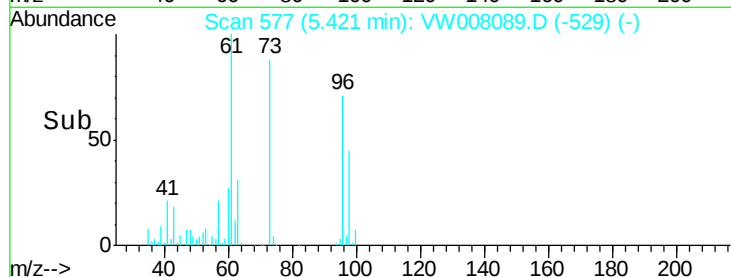
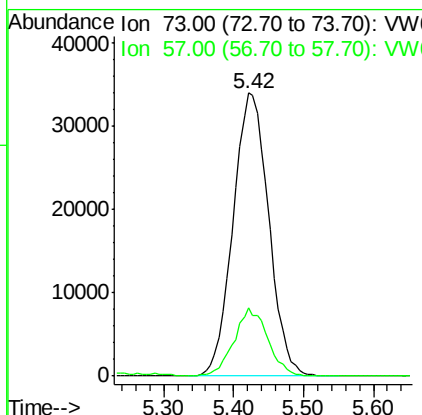
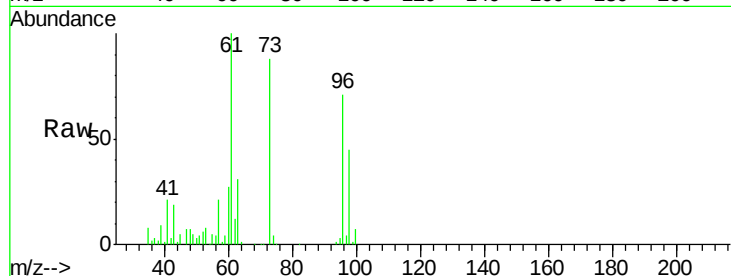


#19

Methyl tert-butyl Ether
 Concen: 81.137 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW008089.D
 Acq: 08 Jan 2019 17:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

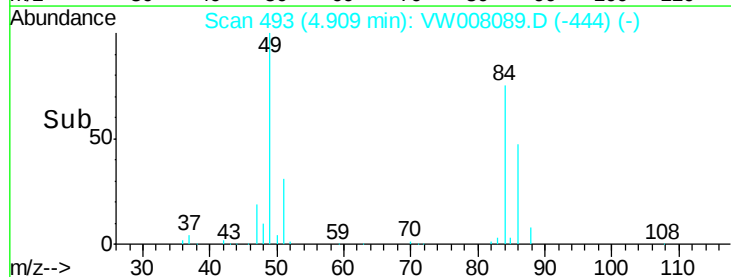
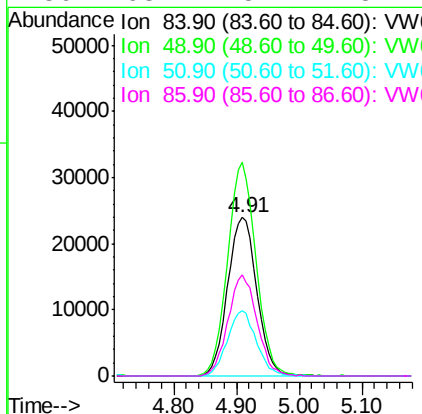
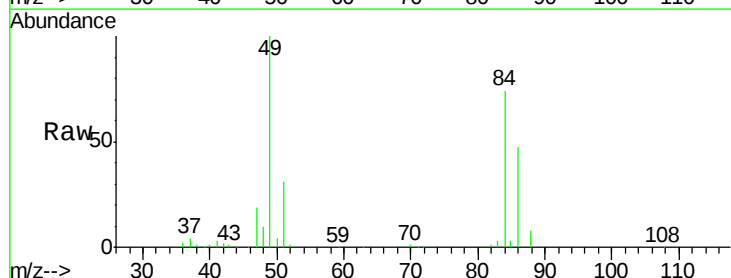
Tot Ion: 73 Resp: 120260
 Ion Ratio Lower Upper
 73 100
 57 24.0 16.7 25.1

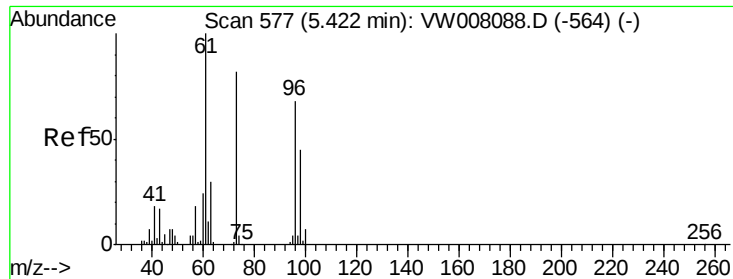


#20

Methylene Chloride
 Concen: 70.105 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.00 min
 Lab File: VW008089.D
 Acq: 08 Jan 2019 17:04

Tgt Ion: 84 Resp: 77381
 Ion Ratio Lower Upper
 84 100
 49 134.7 107.1 160.7
 51 41.4 32.4 48.6
 86 63.7 54.2 81.4





#21

trans-1,2-Dichloroethene

Concen: 79.659 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

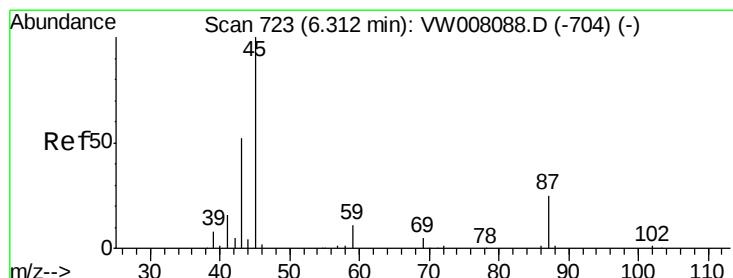
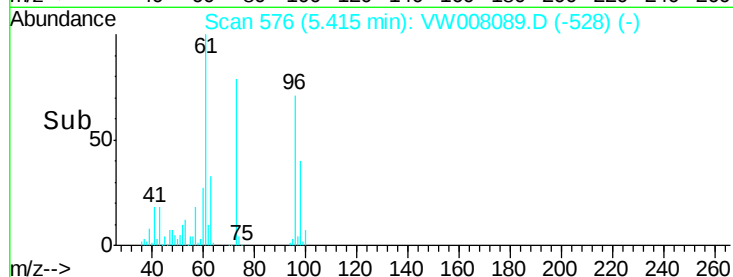
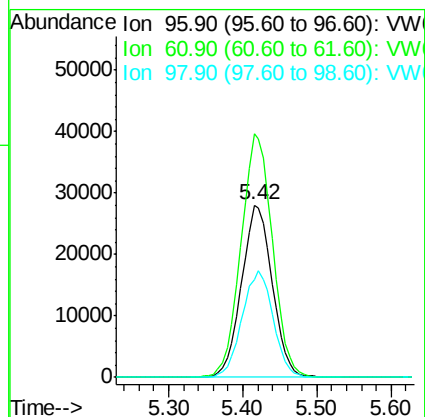
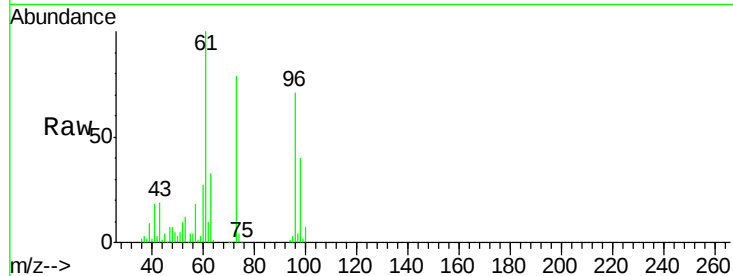
Tot Ion: 96 Resp: 81460

Ion Ratio Lower Upper

96 100

61 141.3 117.4 176.0

98 56.9 52.2 78.4



#22

Diisopropyl ether

Concen: 104.455 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

Tgt Ion: 45 Resp: 255380

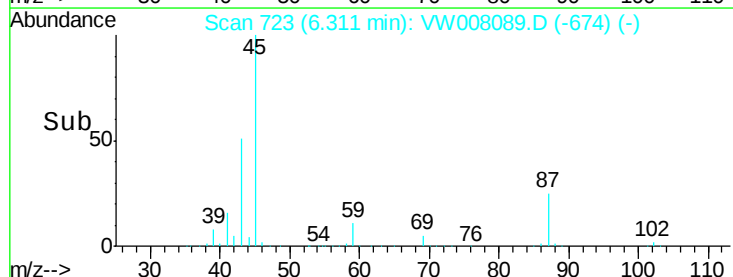
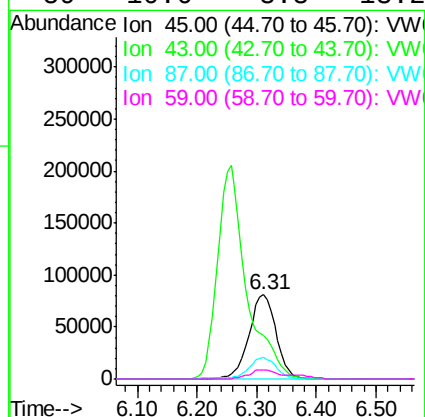
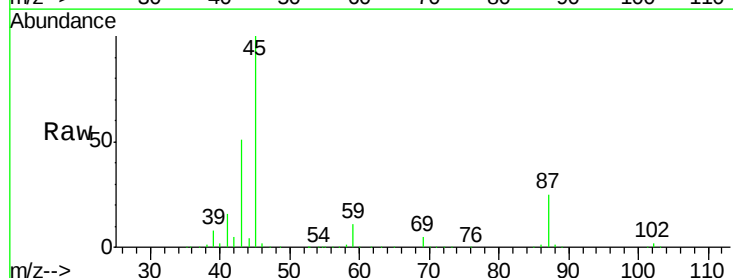
Ion Ratio Lower Upper

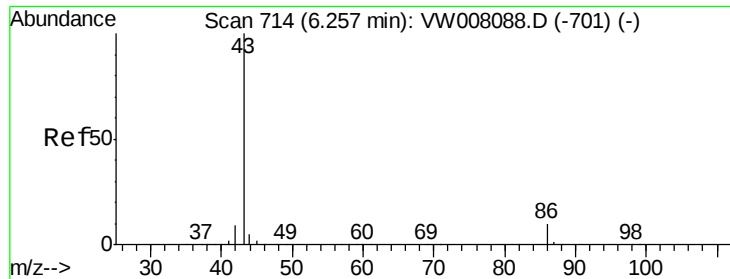
45 100

43 51.0 41.7 62.5

87 25.1 20.1 30.1

59 10.6 8.8 13.2





#23

Vinyl Acetate

Concen: 512.392 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

Instrument :

MSVOA_W

ClientSampleId :

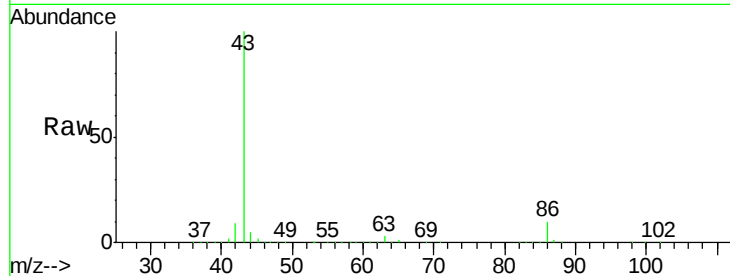
VSTDIC075

Tot Ion: 43 Resp: 691949

Ion Ratio Lower Upper

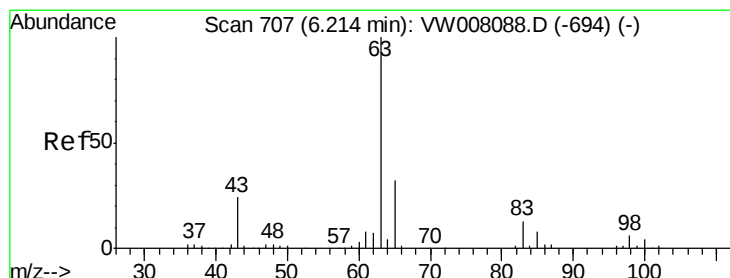
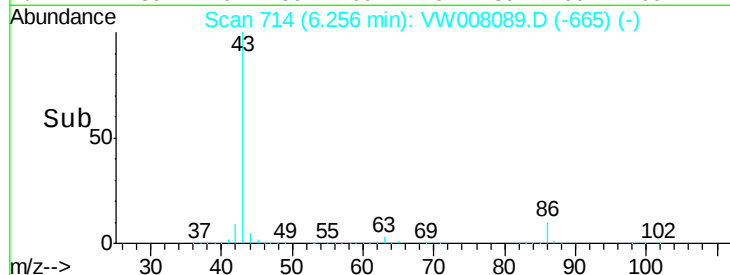
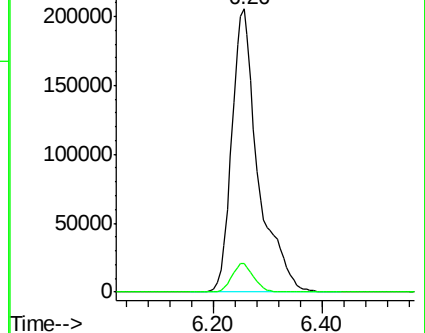
43 100

86 10.1 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 85.500 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

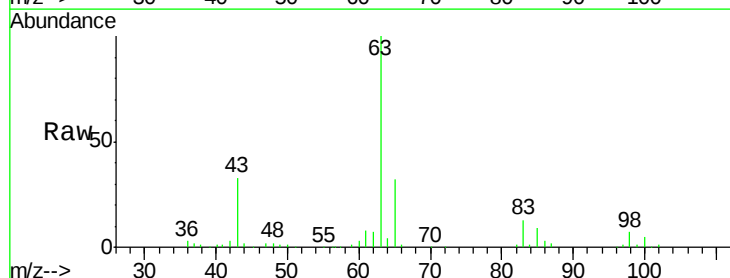
Tgt Ion: 63 Resp: 147579

Ion Ratio Lower Upper

63 100

98 6.7 3.2 9.6

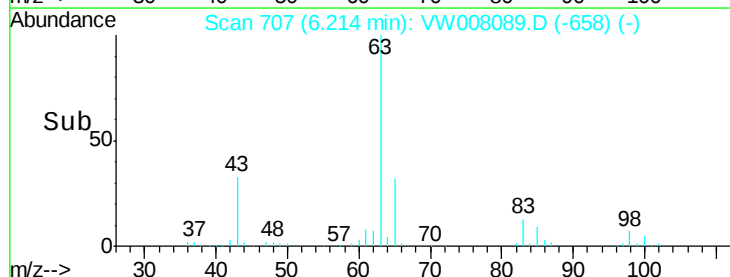
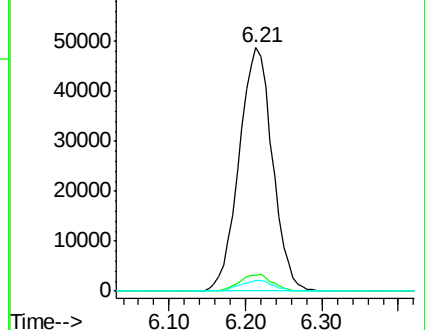
100 4.5 2.0 6.0

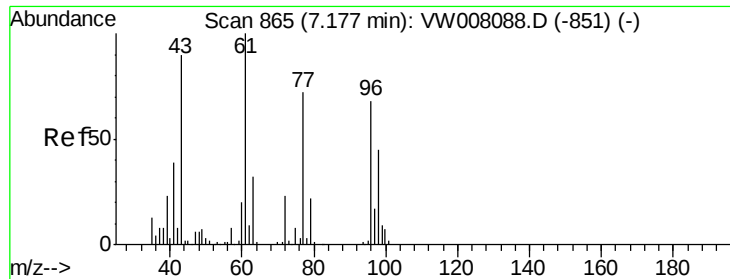


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 506.728 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

Instrument :

MSVOA_W

ClientSampleId :

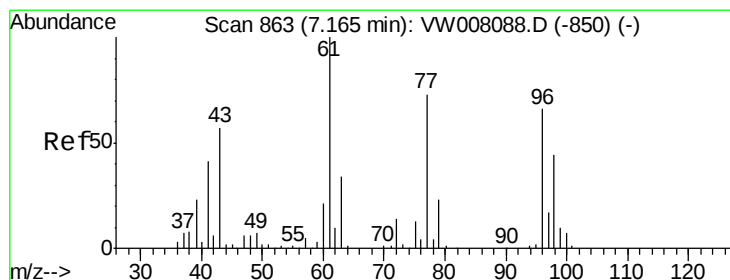
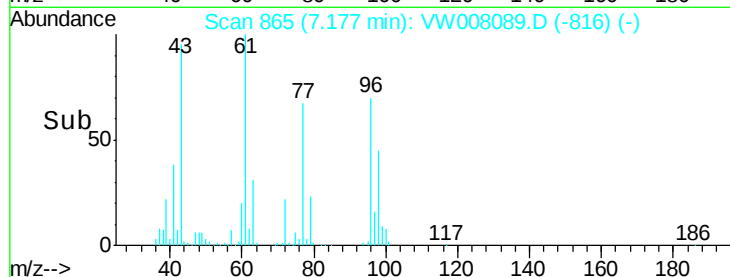
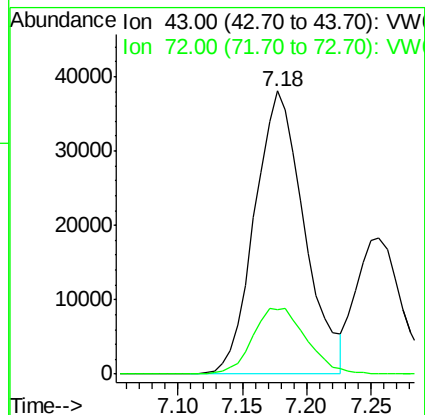
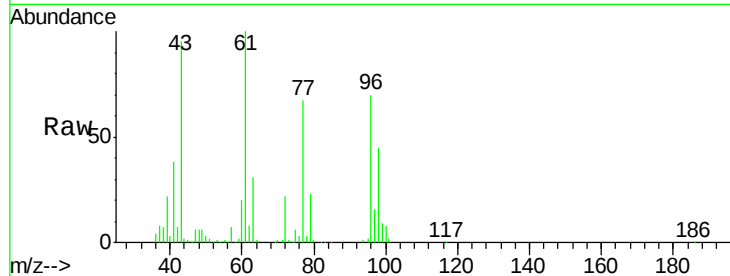
VSTDIC075

Tot Ion: 43 Resp: 101812

Ion Ratio Lower Upper

43 100

72 22.6 20.5 30.7



#26

2,2-Dichloropropane

Concen: 70.613 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW008089.D

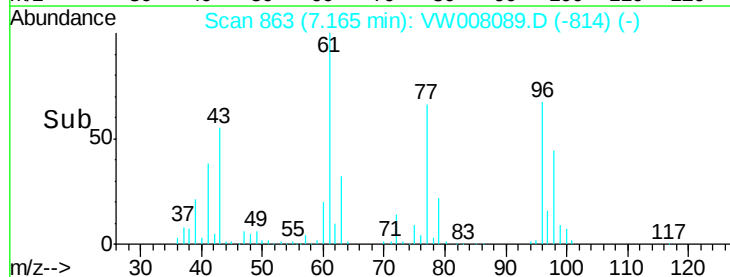
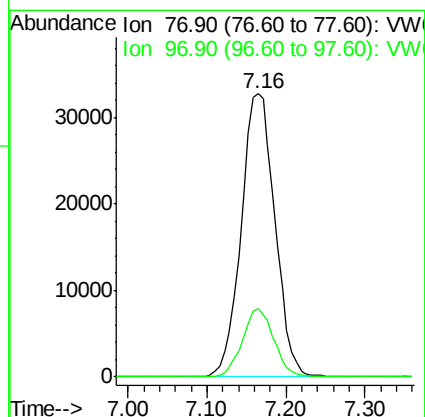
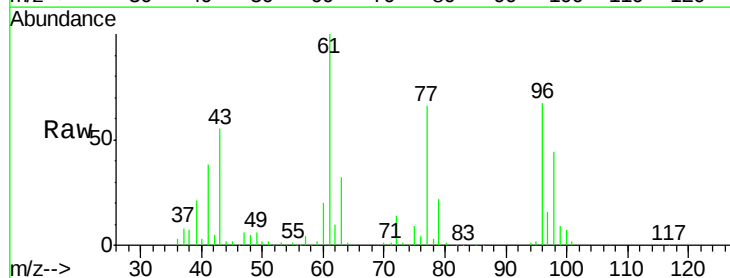
Acq: 08 Jan 2019 17:04

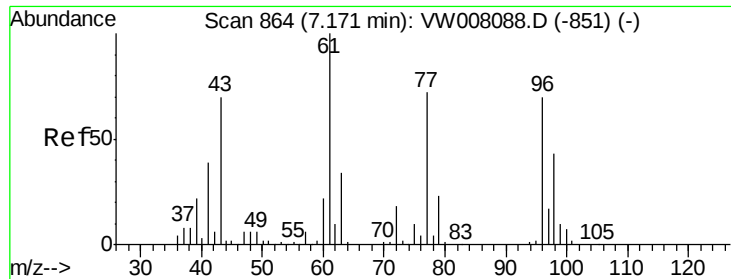
Tgt Ion: 77 Resp: 97161

Ion Ratio Lower Upper

77 100

97 22.5 11.4 34.1



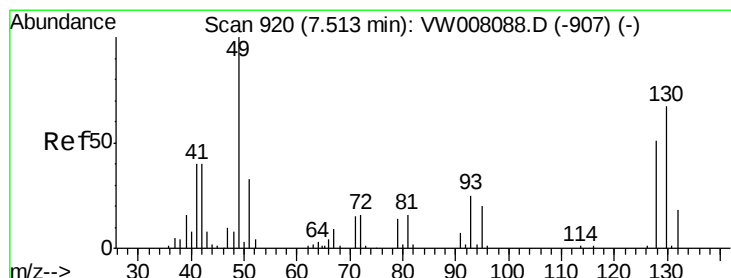
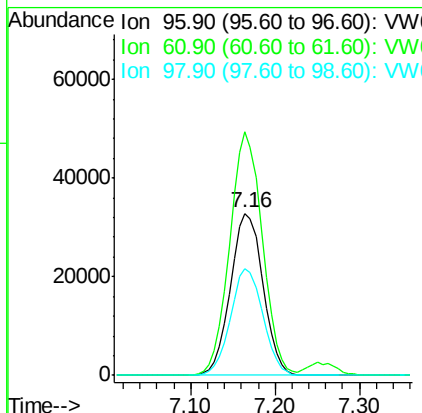
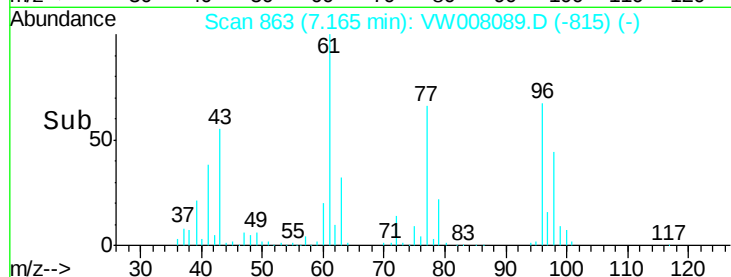
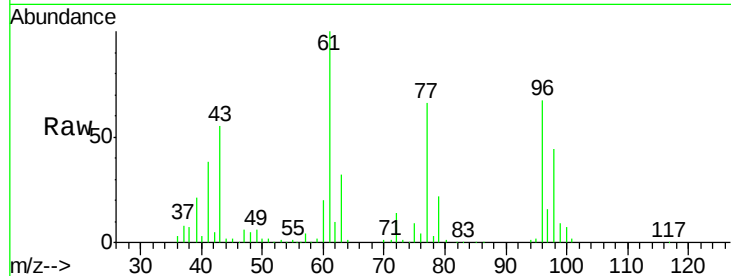


#27

cis-1,2-Dichloroethene
 Concen: 78.865 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW008089.D
 Acq: 08 Jan 2019 17:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

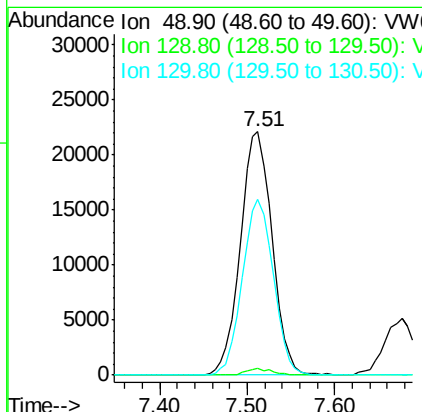
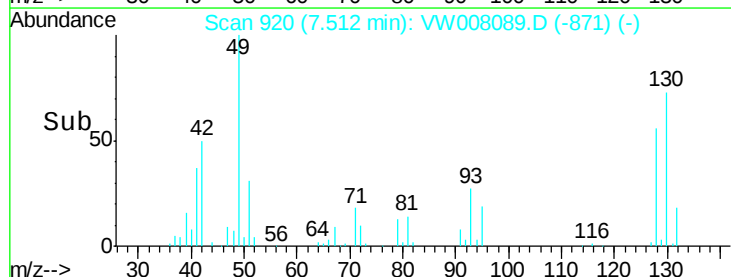
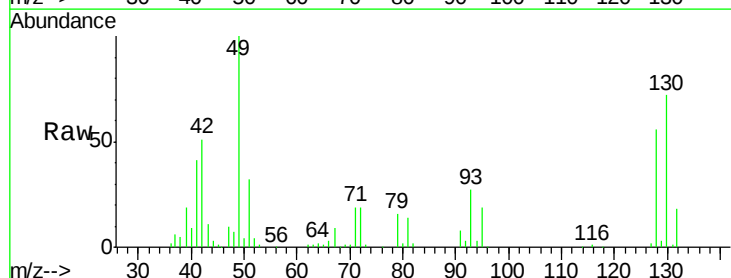
Tot Ion: 96 Resp: 86132
 Ion Ratio Lower Upper
 96 100
 61 150.1 0.0 300.4
 98 65.4 0.0 128.4

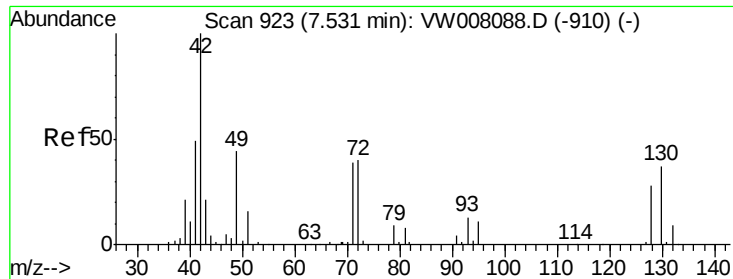


#28

Bromochloromethane
 Concen: 95.257 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW008089.D
 Acq: 08 Jan 2019 17:04

Tgt Ion: 49 Resp: 55885
 Ion Ratio Lower Upper
 49 100
 129 2.2 0.0 2.8
 130 70.5 54.3 81.5

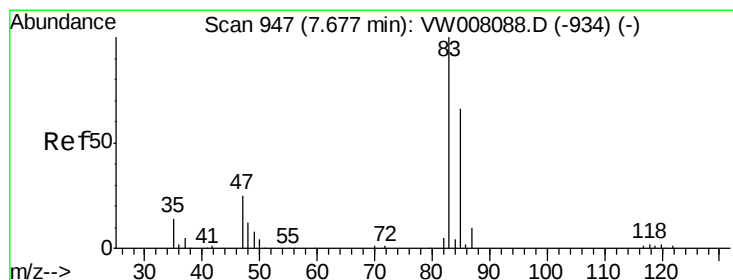
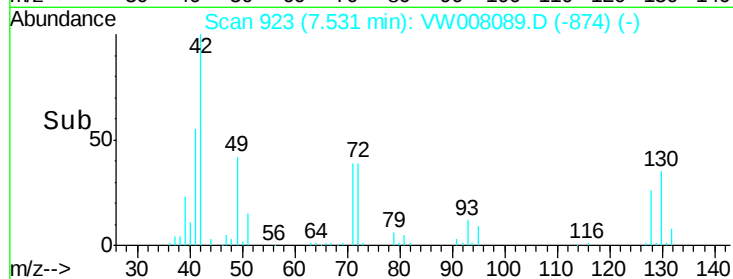
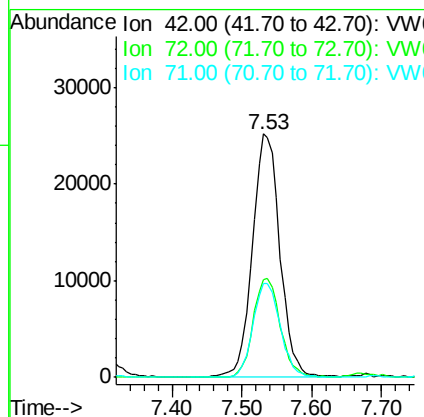
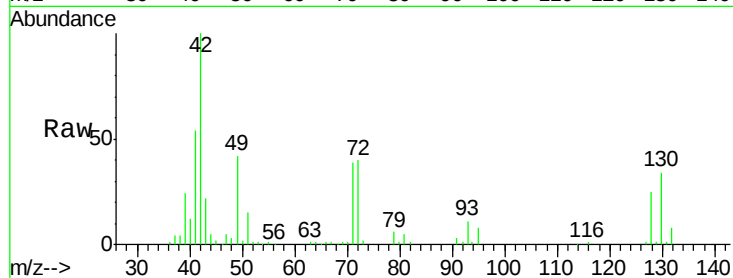




#29
Tetrahydrofuran
Concen: 539.068 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW008089.D
Acq: 08 Jan 2019 17:04

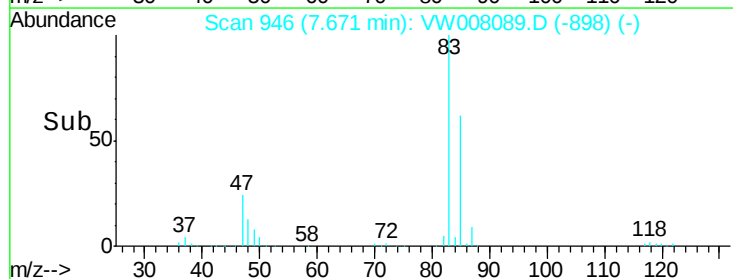
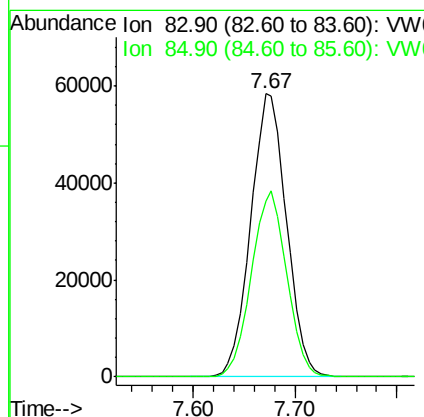
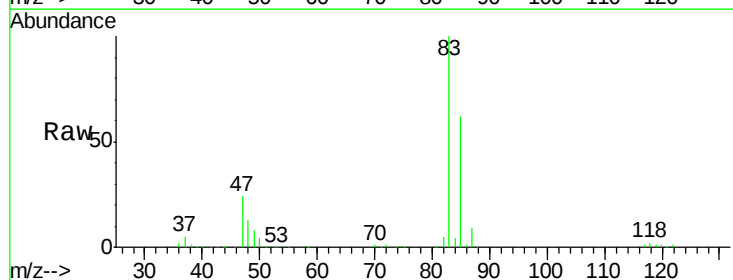
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

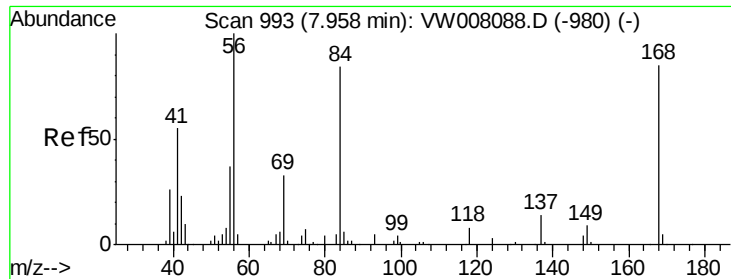
Tot Ion: 42 Resp: 68870
Ion Ratio Lower Upper
42 100
72 40.1 32.4 48.6
71 38.2 31.3 46.9



#30
Chloroform
Concen: 75.436 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW008089.D
Acq: 08 Jan 2019 17:04

Tgt Ion: 83 Resp: 142347
Ion Ratio Lower Upper
83 100
85 61.9 53.2 79.8

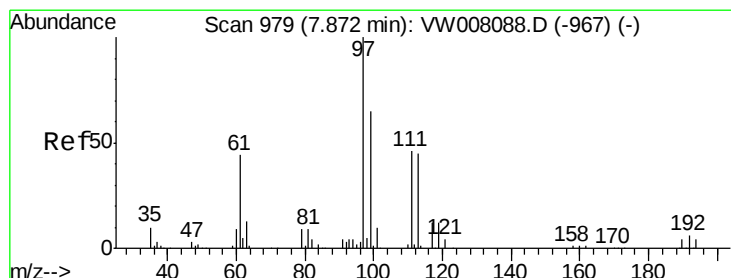
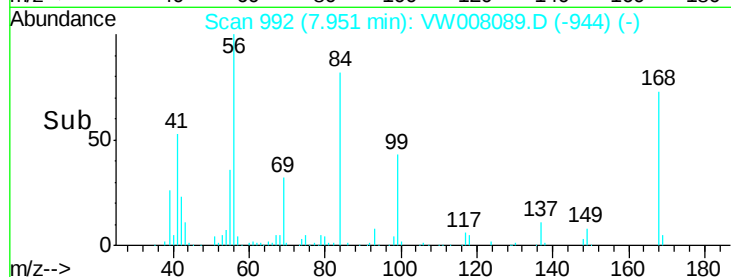
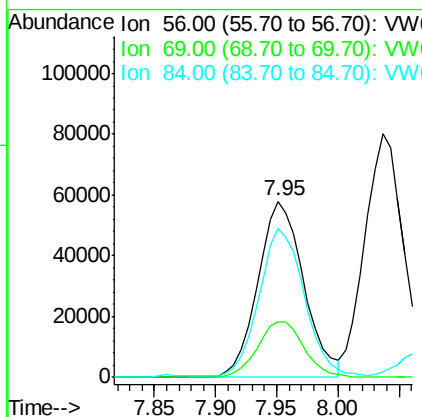
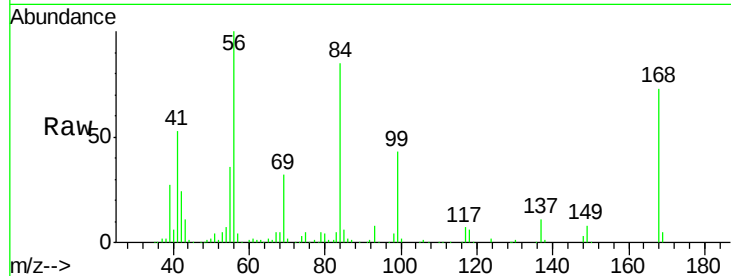




#31
Cyclohexane
Concen: 90.920 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW008089.D
Acq: 08 Jan 2019 17:04

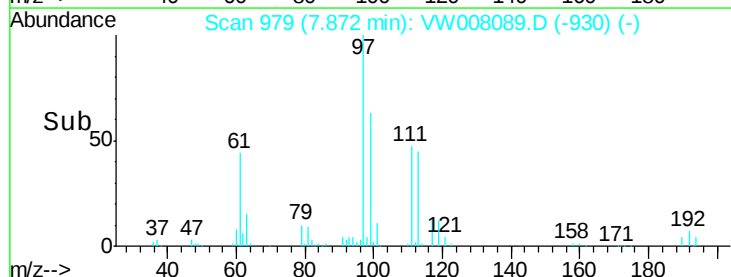
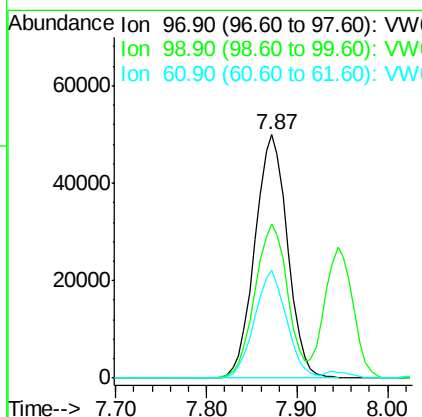
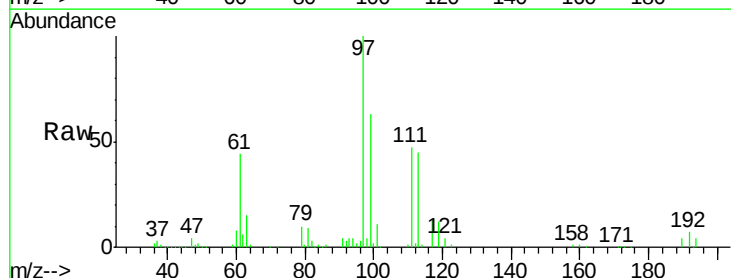
Instrument :
MSVOA_W
ClientSampled :
VSTDIC075

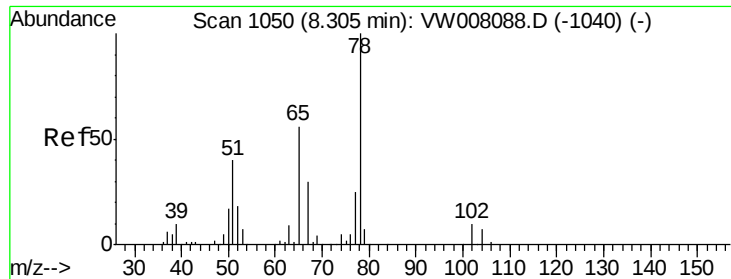
Tot Ion: 56 Resp: 150691
Ion Ratio Lower Upper
56 100
69 31.8 26.2 39.4
84 83.7 67.4 101.2



#32
1,1,1-Trichloroethane
Concen: 70.137 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW008089.D
Acq: 08 Jan 2019 17:04

Tgt Ion: 97 Resp: 124371
Ion Ratio Lower Upper
97 100
99 63.5 51.4 77.0
61 43.7 35.6 53.4





#33

1,2-Dichloroethane-d4

Concen: 70.867 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

Instrument :

MSVOA_W

ClientSampleId :

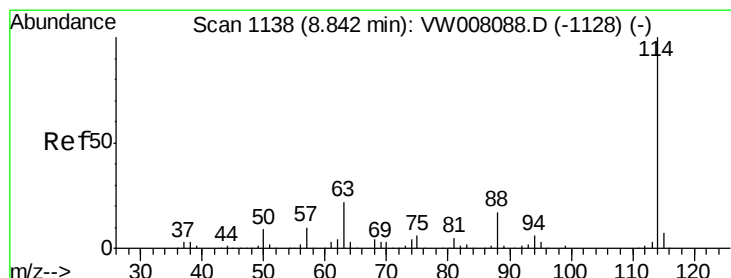
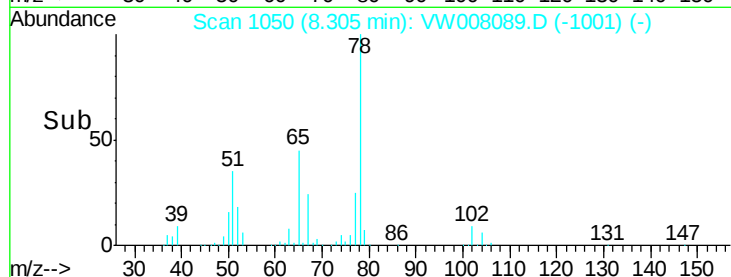
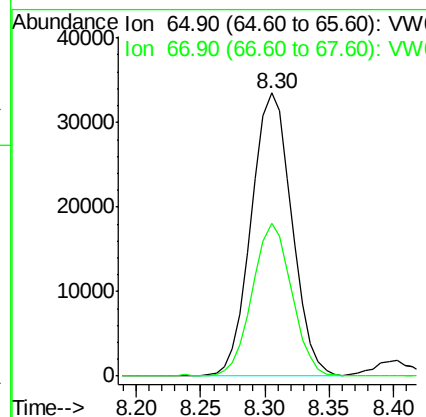
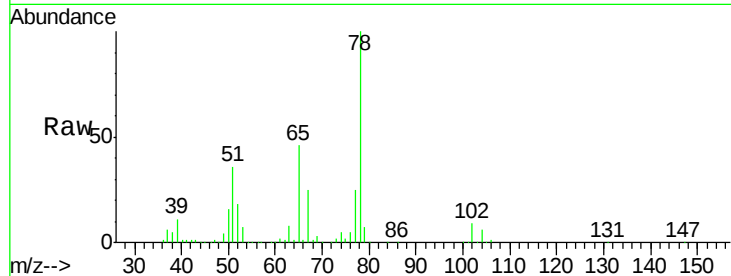
VSTDIC075

Tot Ion: 65 Resp: 73256

Ion Ratio Lower Upper

65 100

67 52.5 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: VW008089.D

Acq: 08 Jan 2019 17:04

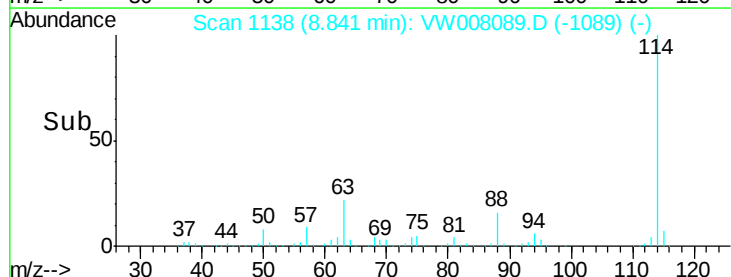
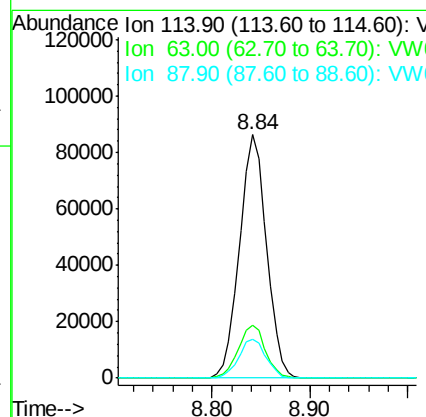
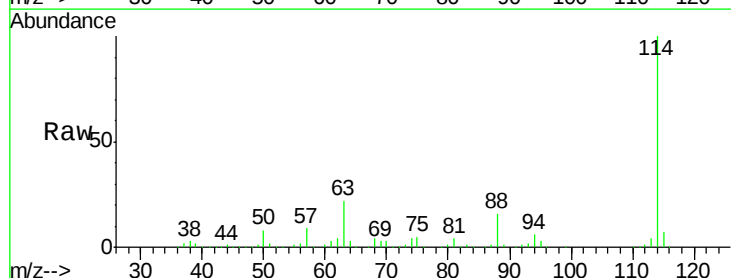
Tgt Ion: 114 Resp: 165517

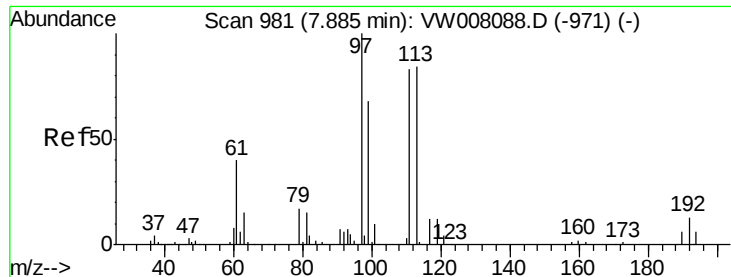
Ion Ratio Lower Upper

114 100

63 21.9 0.0 43.4

88 16.0 0.0 33.4





#35

Dibromofluoromethane

Concen: 65.111 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

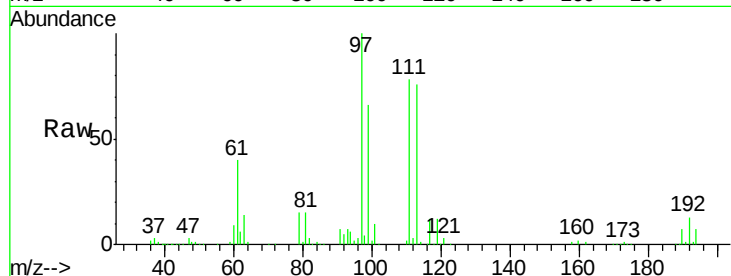
Tot Ion:113 Resp: 66816

Ion Ratio Lower Upper

113 100

111 104.4 81.8 122.8

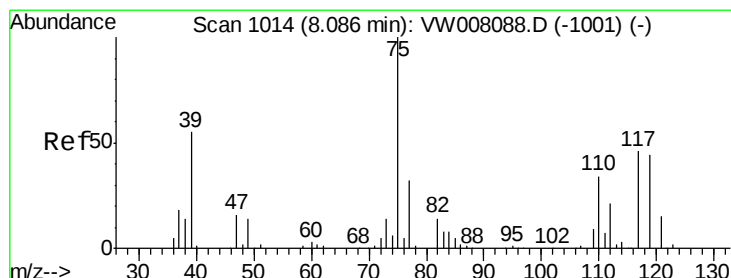
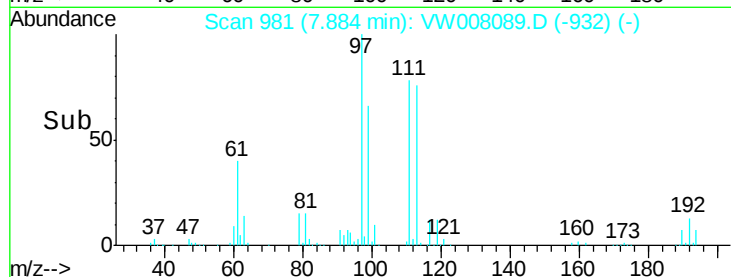
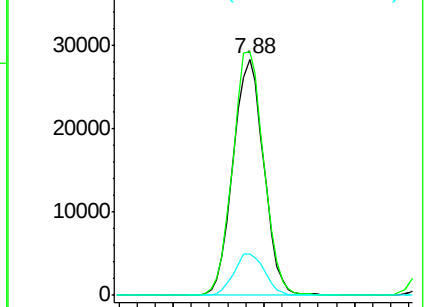
192 17.7 12.8 19.2



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: 75.682 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.01 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

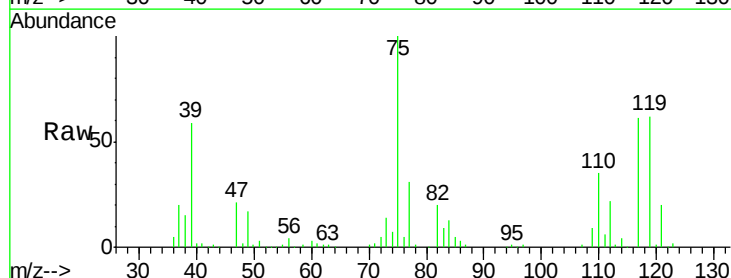
Tgt Ion: 75 Resp: 122643

Ion Ratio Lower Upper

75 100

110 34.3 17.1 51.3

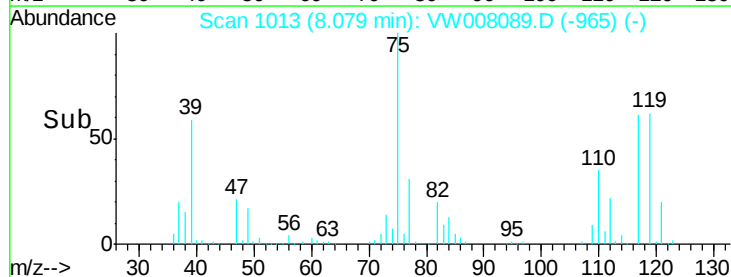
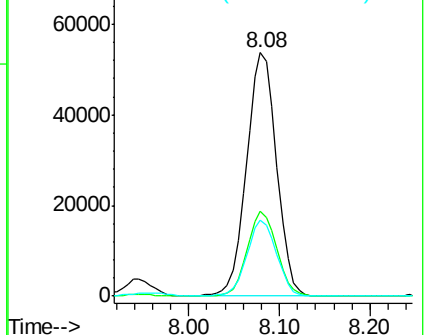
77 31.2 25.5 38.3

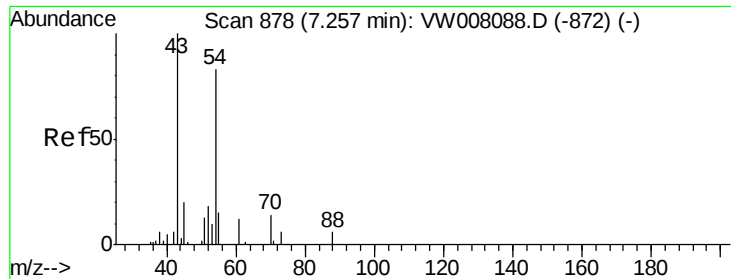


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

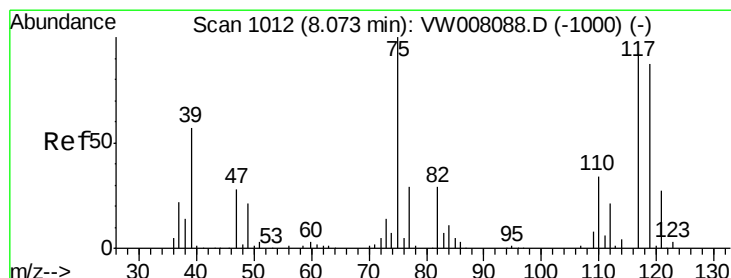
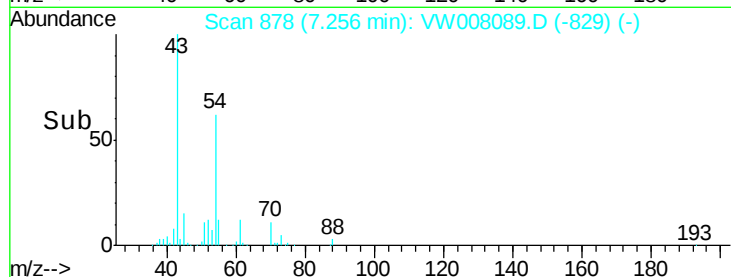
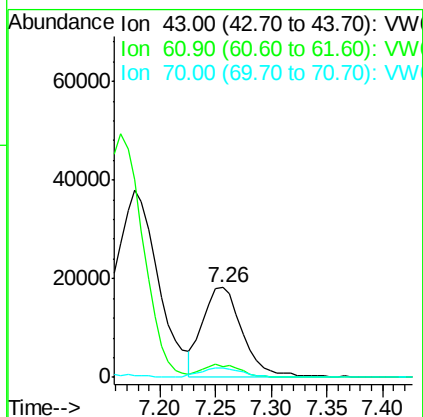
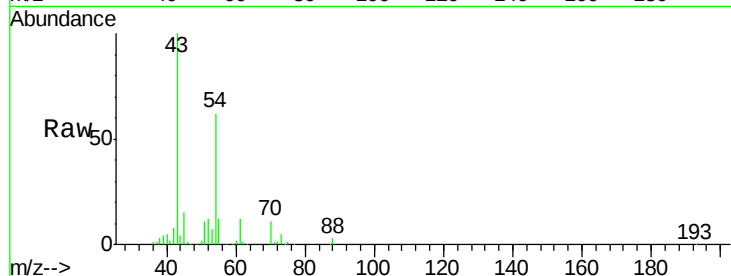




#37
Ethyl Acetate
Concen: 87.163 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.00 min
Lab File: VW008089.D
Acq: 08 Jan 2019 17:04

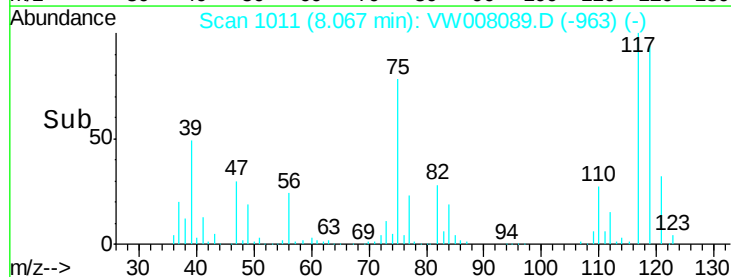
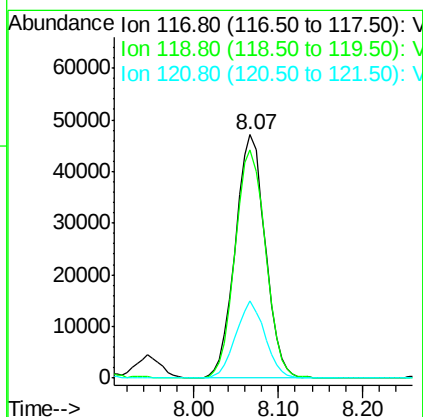
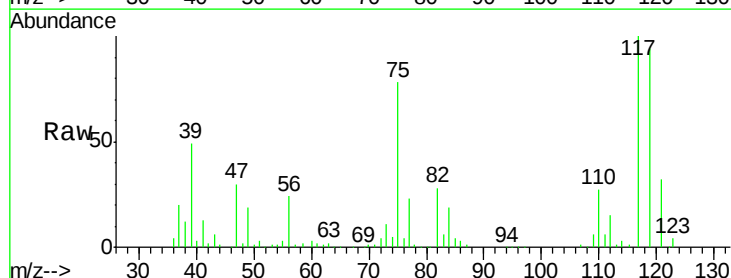
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

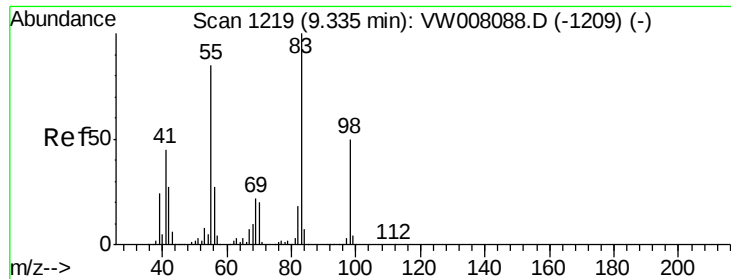
Tot Ion: 43 Resp: 45042
Ion Ratio Lower Upper
43 100
61 14.3 10.6 16.0
70 11.3 8.9 13.3



#38
Carbon Tetrachloride
Concen: 60.661 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW008089.D
Acq: 08 Jan 2019 17:04

Tgt Ion: 117 Resp: 113170
Ion Ratio Lower Upper
117 100
119 93.5 75.8 113.8
121 31.8 23.7 35.5

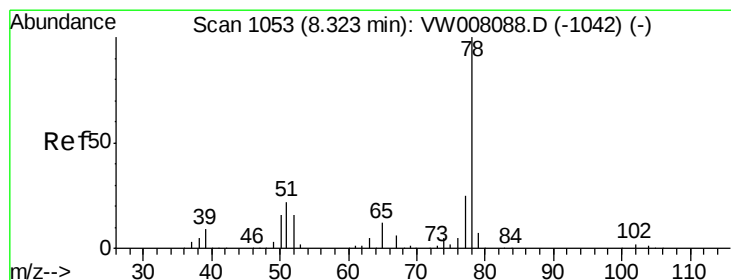
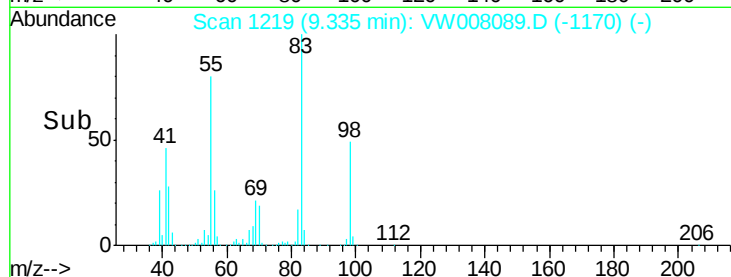
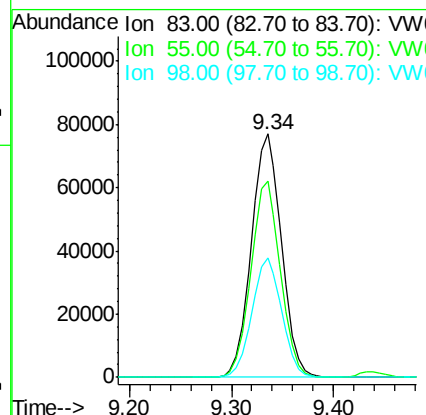
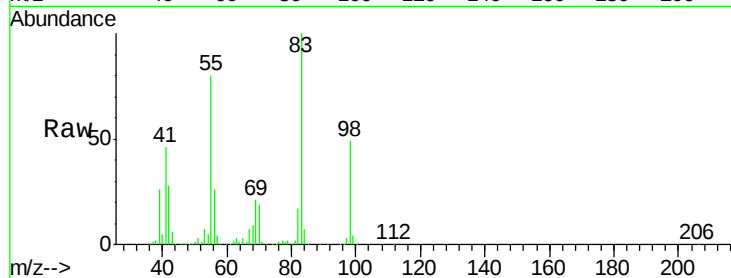




#39
Methvlcvclohexane
Concen: 77.768 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW008089.D
Acq: 08 Jan 2019 17:04

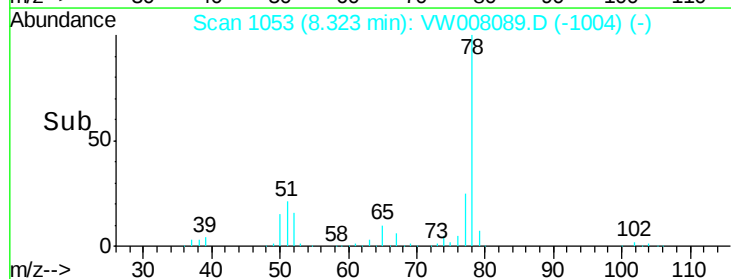
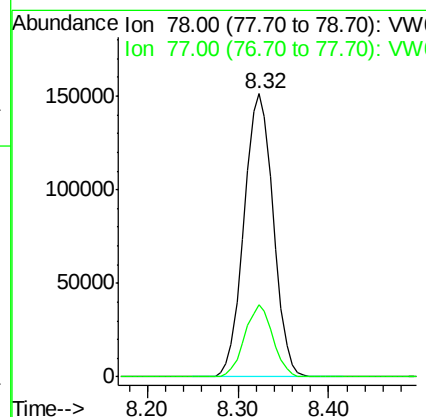
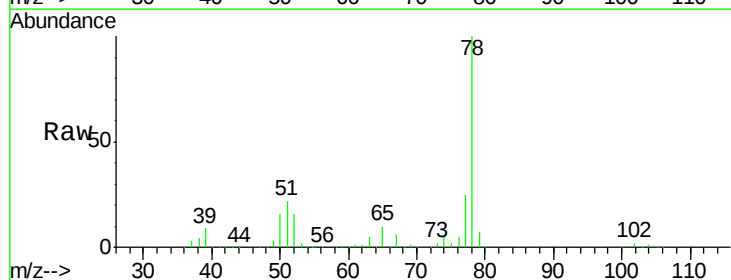
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

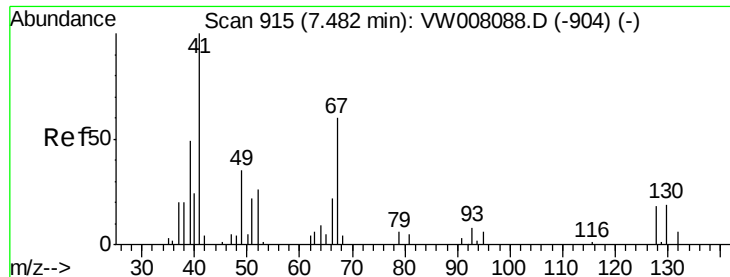
Tot Ion: 83 Resp: 157935
Ion Ratio Lower Upper
83 100
55 80.4 67.8 101.6
98 49.3 40.2 60.4



#40
Benzene
Concen: 78.244 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW008089.D
Acq: 08 Jan 2019 17:04

Tgt Ion: 78 Resp: 337084
Ion Ratio Lower Upper
78 100
77 25.4 20.2 30.4





#41

Methacrylonitrile

Concen: 100.803 ug/l

RT: 7.49 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

Tot Ion: 41 Resp: 29876

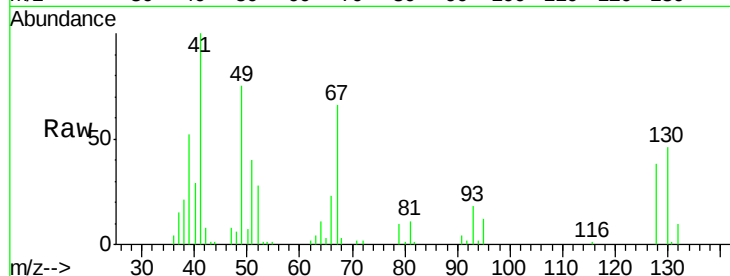
Ion Ratio Lower Upper

41 100

39 52.1 47.9 71.9

67 66.4 56.3 84.5

52 28.0 24.5 36.7

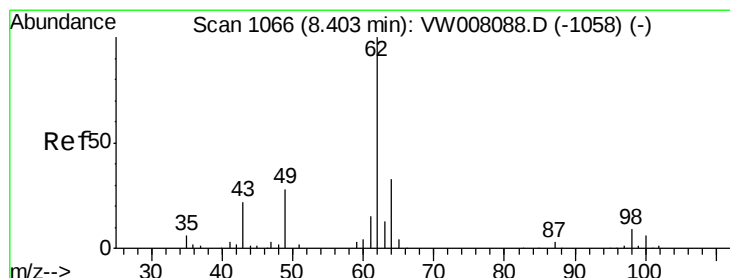
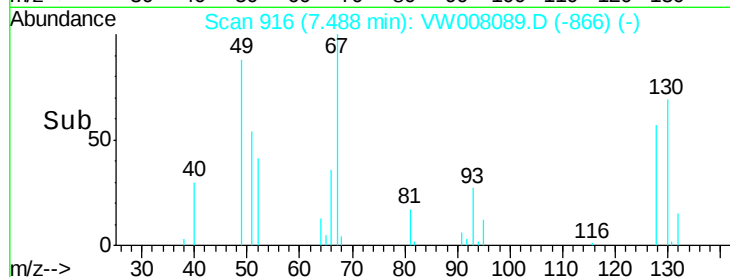
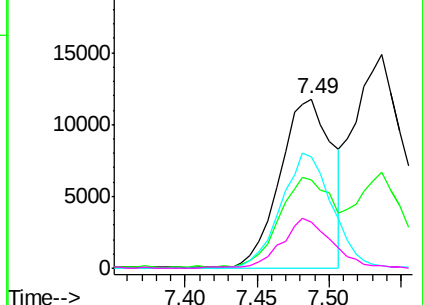


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 65.730 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.01 min

Lab File: VW008089.D

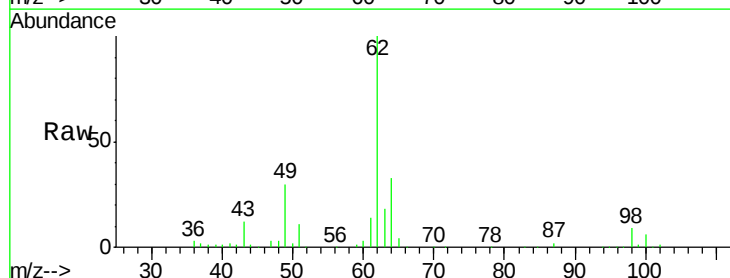
Acq: 08 Jan 2019 17:04

Tgt Ion: 62 Resp: 91719

Ion Ratio Lower Upper

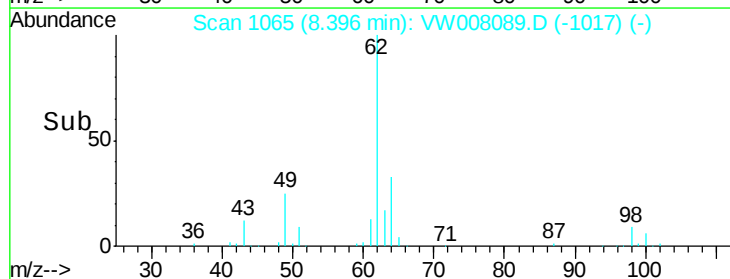
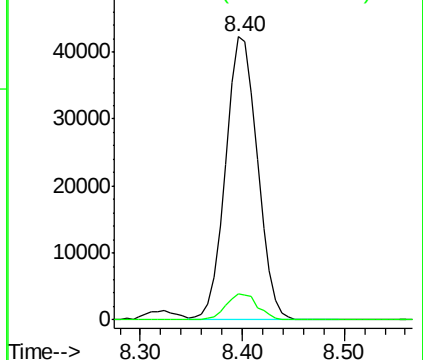
62 100

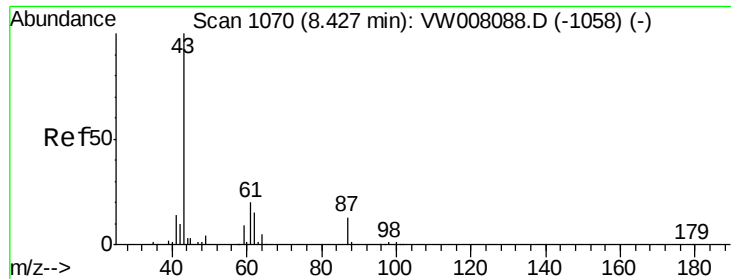
98 9.2 0.0 18.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 96.938 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

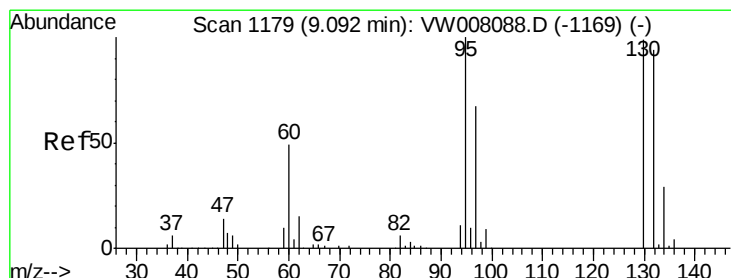
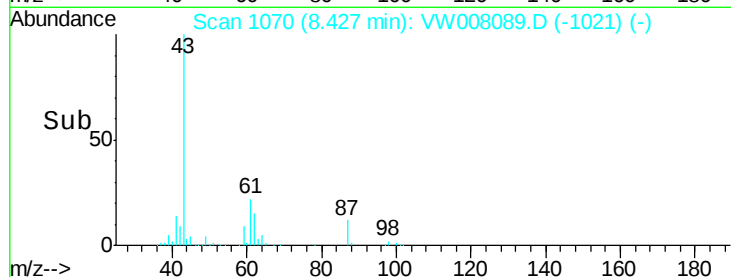
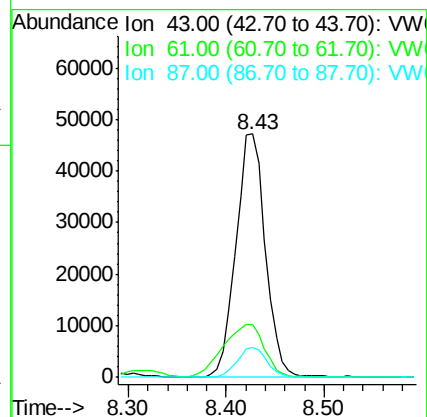
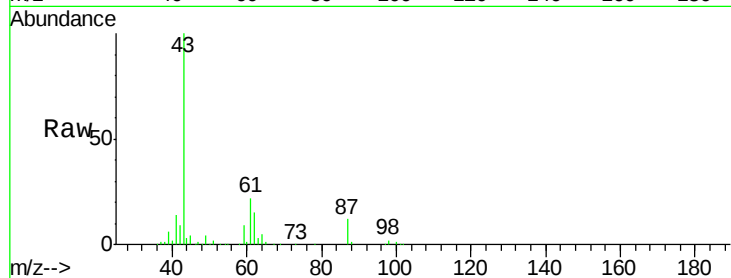
Tot Ion: 43 Resp: 99001

Ion Ratio Lower Upper

43 100

61 30.2 24.8 37.2

87 12.5 10.4 15.6



#44

Trichloroethene

Concen: 69.421 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW008089.D

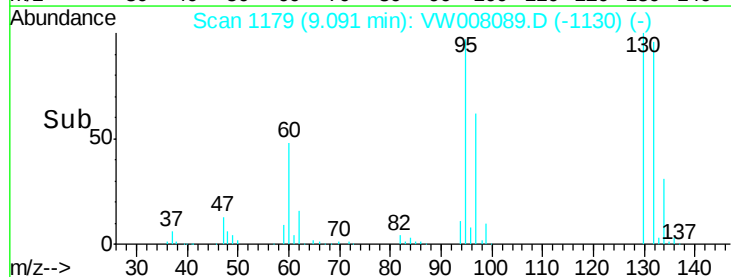
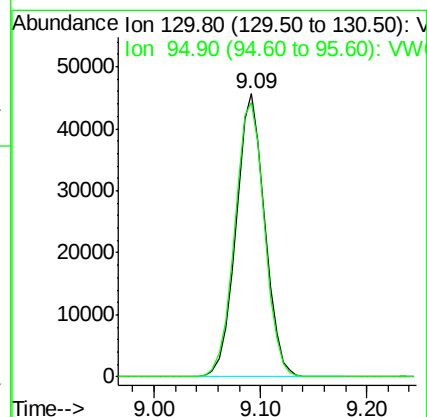
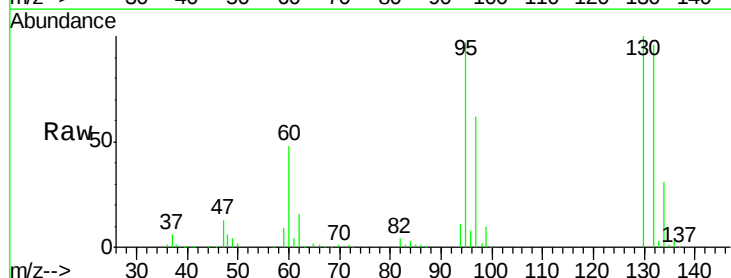
Acq: 08 Jan 2019 17:04

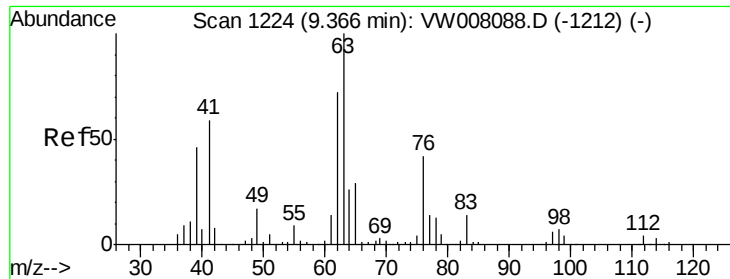
Tgt Ion: 130 Resp: 85986

Ion Ratio Lower Upper

130 100

95 97.0 0.0 202.8





#45

1,2-Dichloropropane

Concen: 87.802 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

Instrument :

MSVOA_W

ClientSampleId :

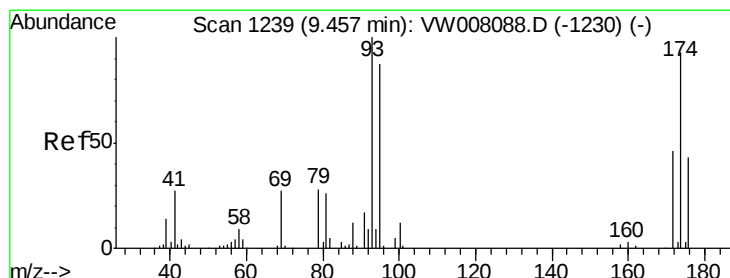
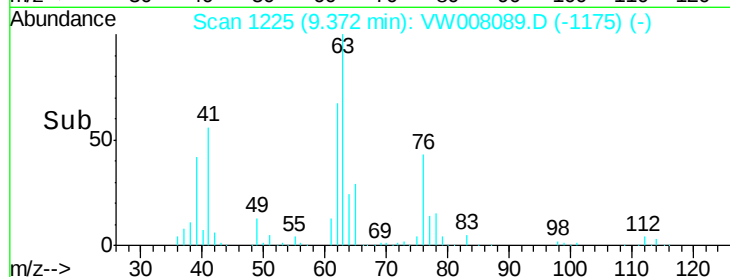
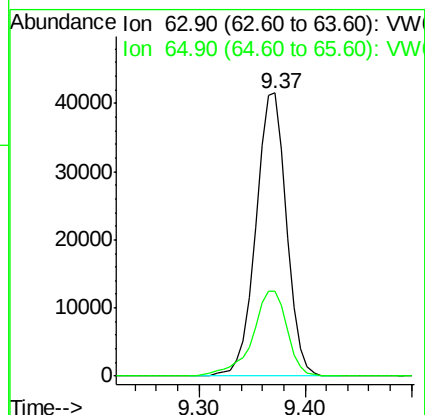
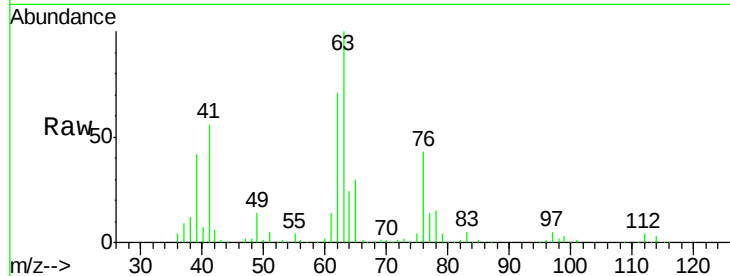
VSTDIC075

Tot Ion: 63 Resp: 83903

Ion Ratio Lower Upper

63 100

65 29.9 23.3 34.9



#46

Dibromomethane

Concen: 74.809 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

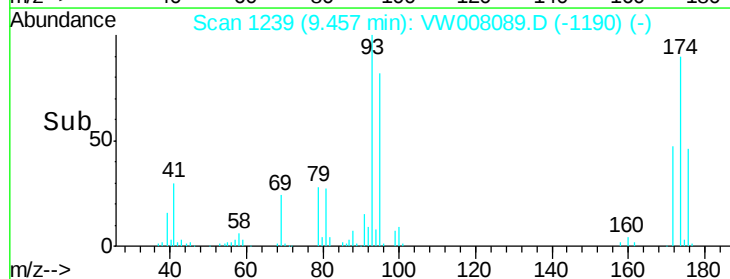
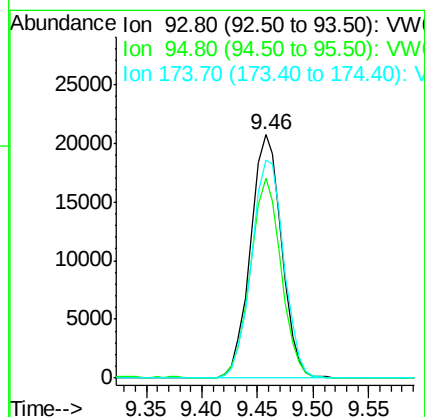
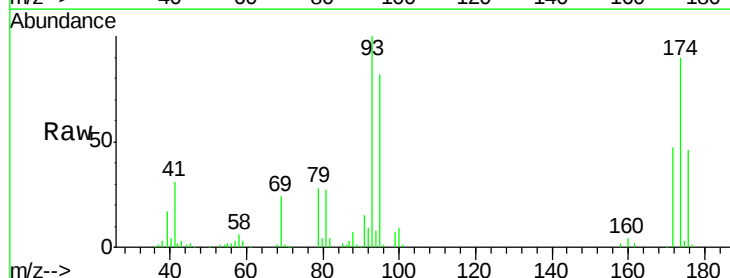
Tgt Ion: 93 Resp: 40393

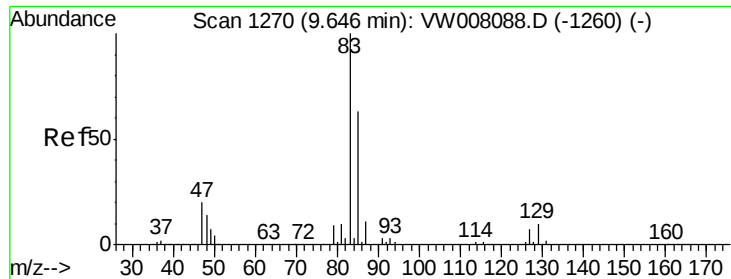
Ion Ratio Lower Upper

93 100

95 81.3 67.5 101.3

174 93.0 72.5 108.7





#47

Bromodichloromethane

Concen: 70.414 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

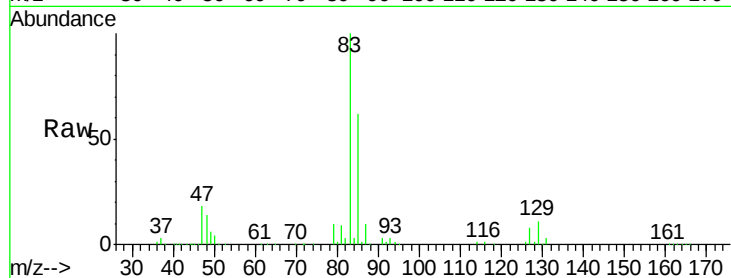
Tot Ion: 83 Resp: 105566

Ion Ratio Lower Upper

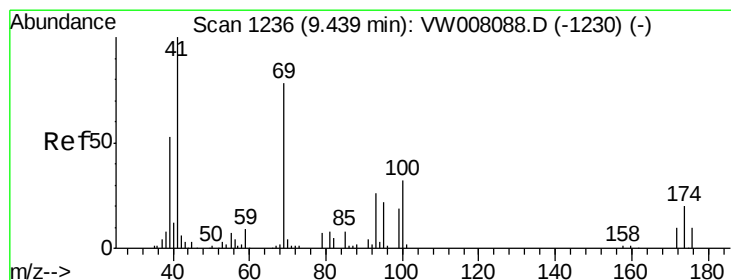
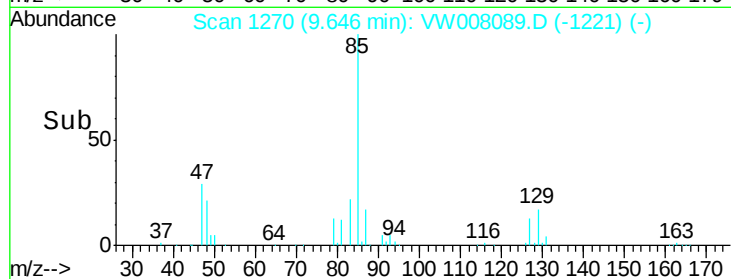
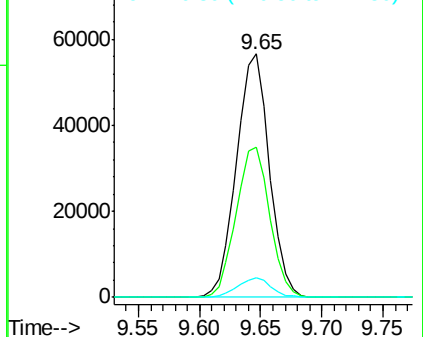
83 100

85 61.9 50.7 76.1

127 8.2 6.0 9.0



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



#48

Methyl methacrylate

Concen: 94.696 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

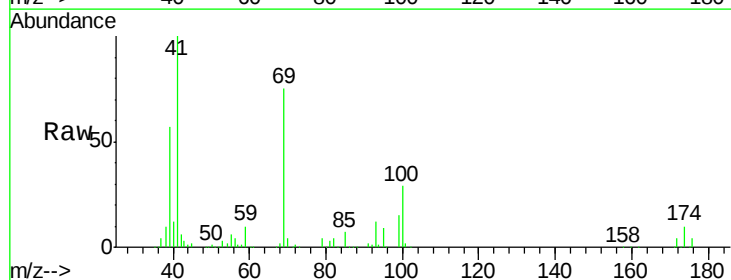
Tgt Ion: 41 Resp: 48850

Ion Ratio Lower Upper

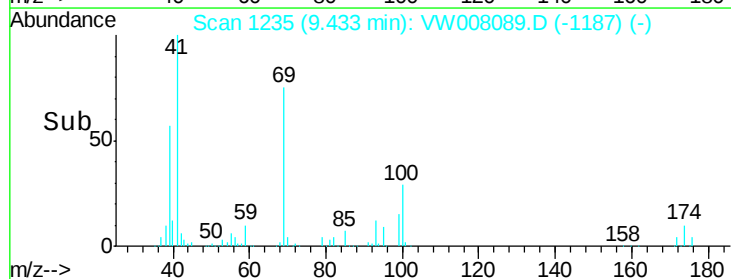
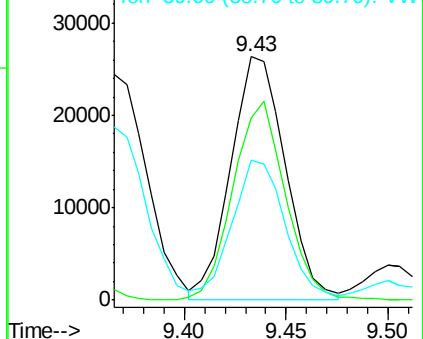
41 100

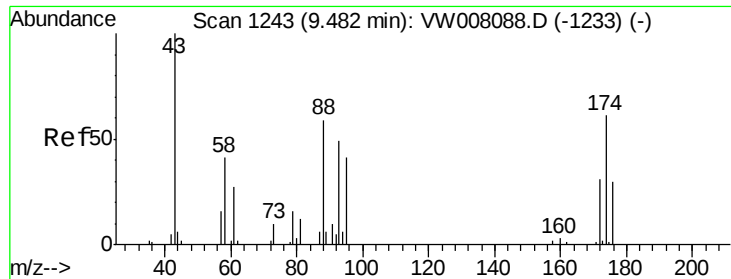
69 78.8 61.9 92.9

39 52.6 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: 1455.833 ug/l

RT: 9.48 min Scan# 1243

Delta R.T. -0.00 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

Instrument :

MSVOA_W

ClientSampled :

VSTDIC075

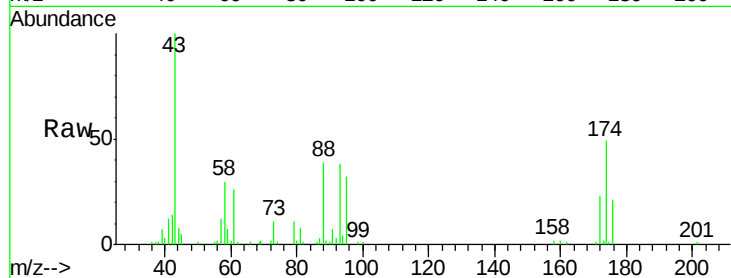
Tot Ion: 88 Resp: 11771

Ion Ratio Lower Upper

88 100

43 626.9 0.0 0.0#

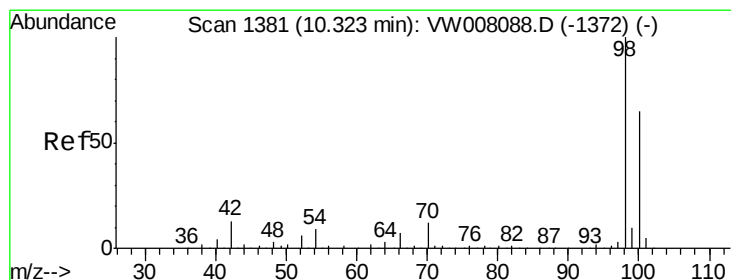
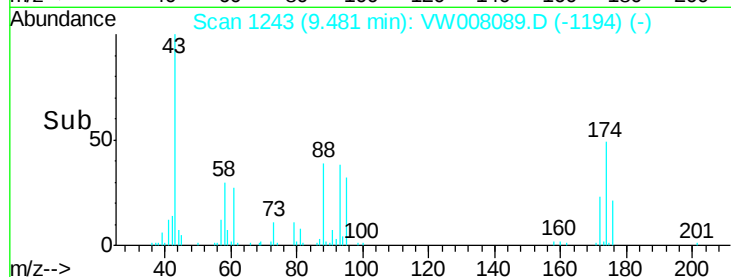
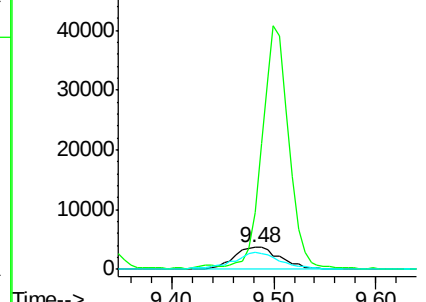
58 76.0 61.7 92.5



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 72.026 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008089.D

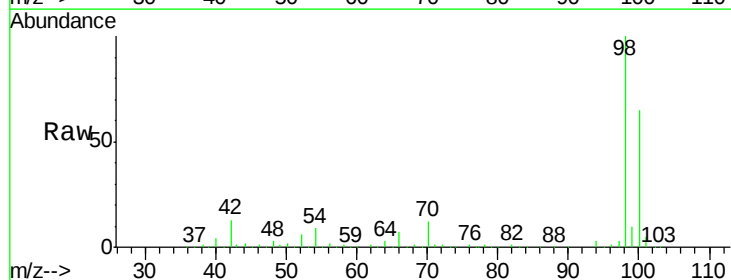
Acq: 08 Jan 2019 17:04

Tgt Ion: 98 Resp: 283648

Ion Ratio Lower Upper

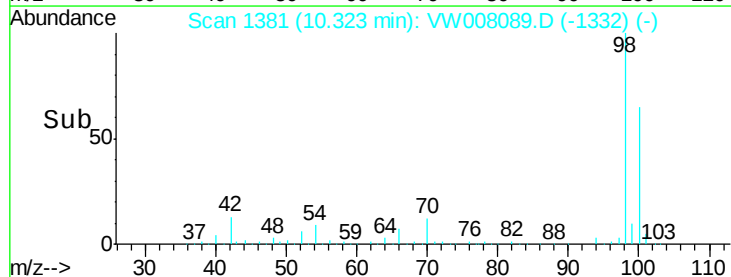
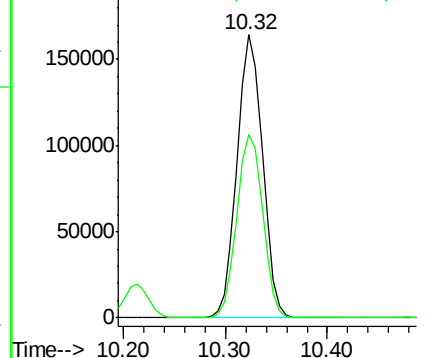
98 100

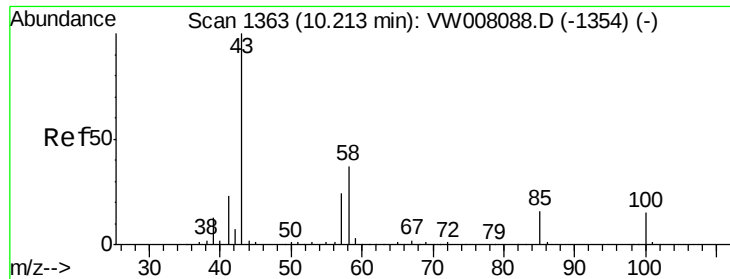
100 65.7 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 489.766 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

Instrument :

MSVOA_W

ClientSampleId :

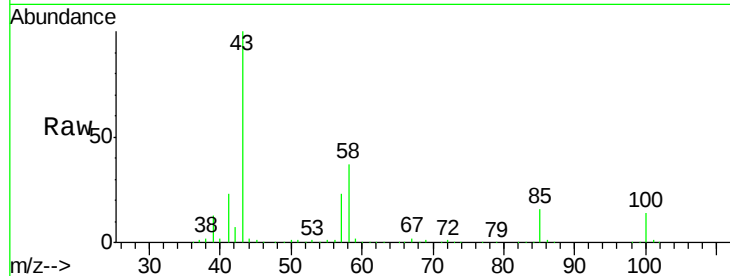
VSTDIC075

Tot Ion: 43 Resp: 234744

Ion Ratio Lower Upper

43 100

58 37.6 30.6 46.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

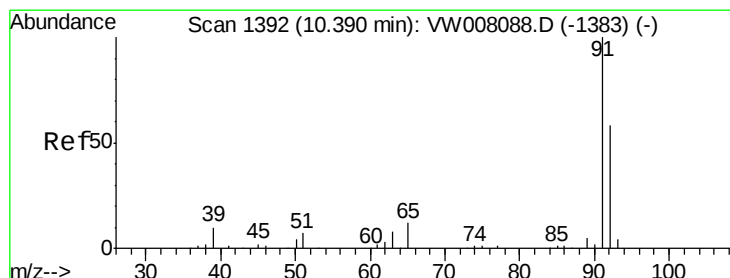
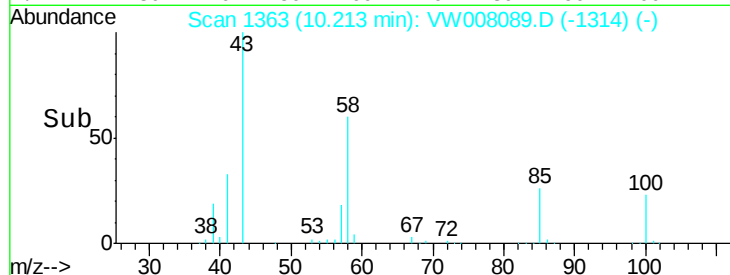
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 76.195 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW008089.D

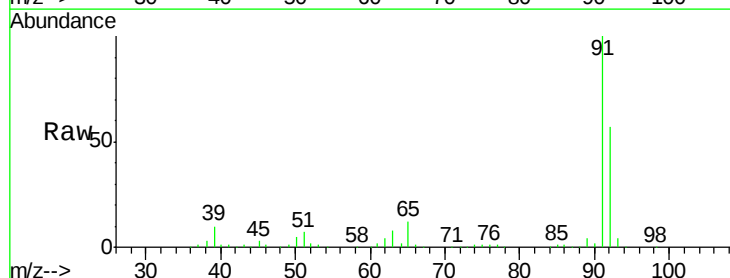
Acq: 08 Jan 2019 17:04

Tgt Ion: 92 Resp: 216387

Ion Ratio Lower Upper

92 100

91 170.9 137.0 205.4



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

250000

200000

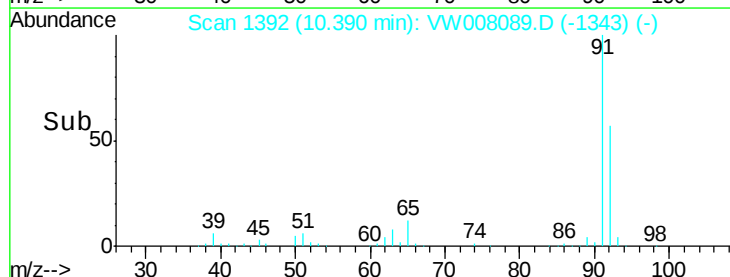
150000

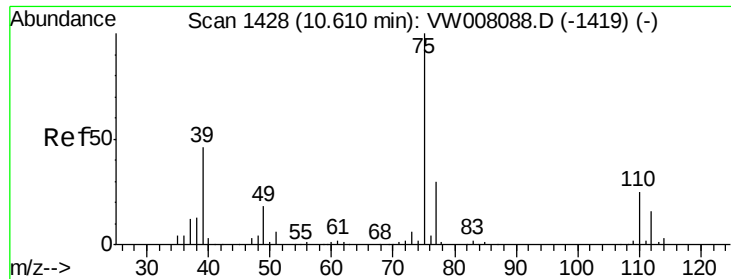
100000

50000

0

Time-->

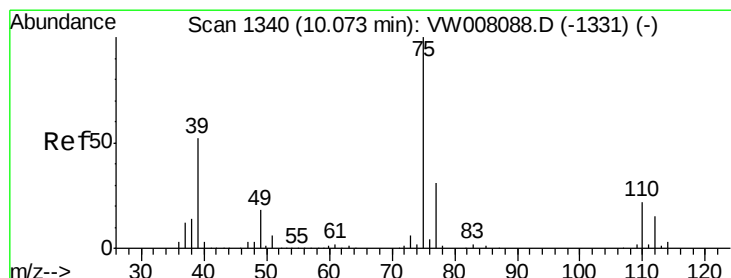
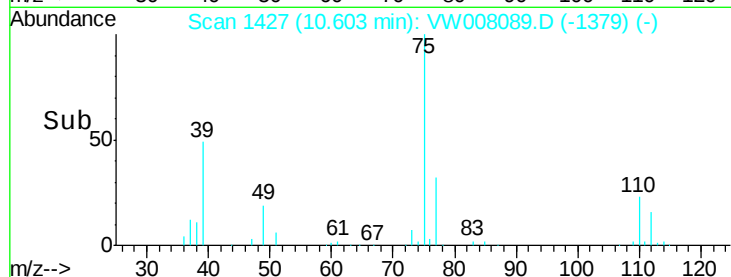
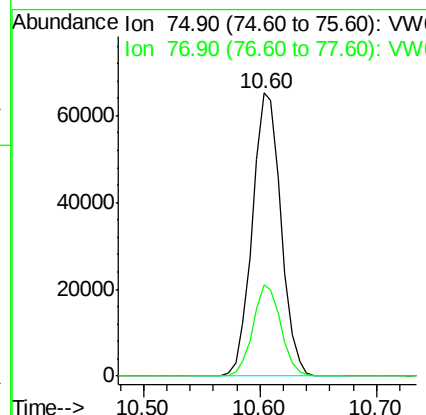
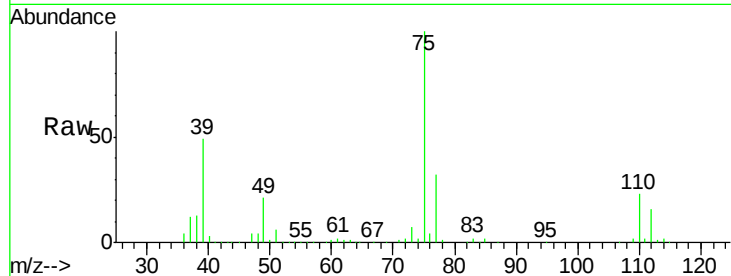




#53
 t-1,3-Dichloropropene
 Concen: 76.634 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.01 min
 Lab File: VW008089.D
 Acq: 08 Jan 2019 17:04

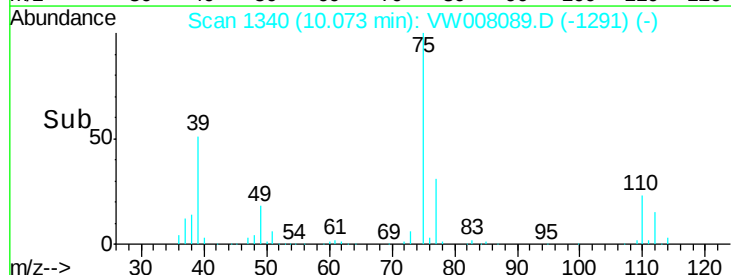
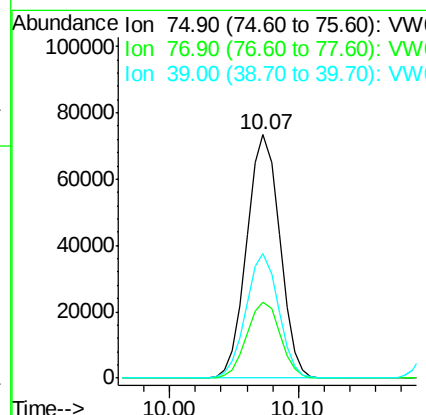
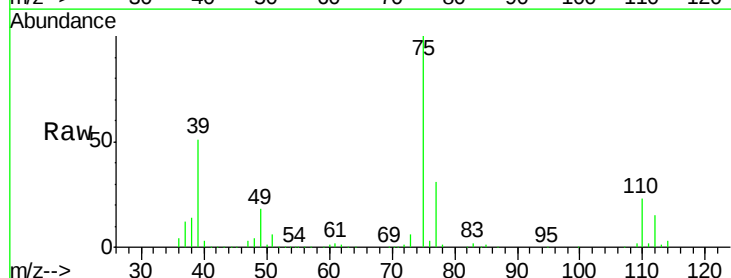
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

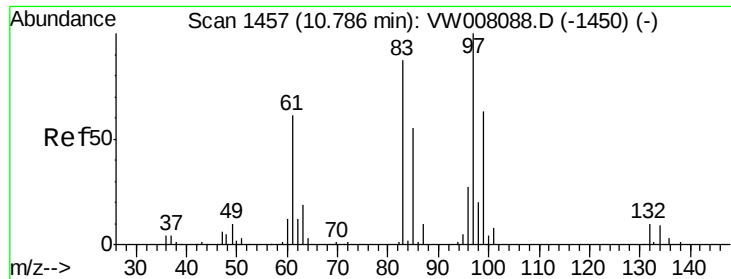
Tot Ion: 75 Resp: 111894
 Ion Ratio Lower Upper
 75 100
 77 32.5 24.4 36.6



#54
 cis-1,3-Dichloropropene
 Concen: 79.174 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW008089.D
 Acq: 08 Jan 2019 17:04

Tgt Ion: 75 Resp: 130210
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.2 37.8
 39 50.9 41.4 62.0

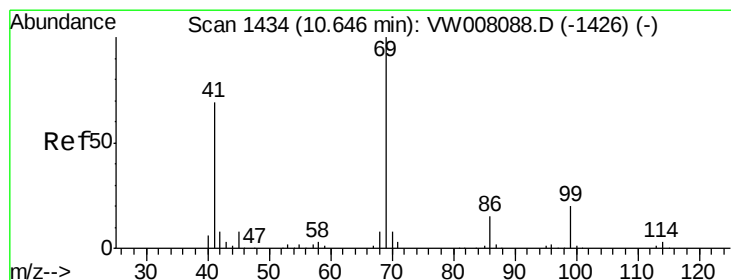
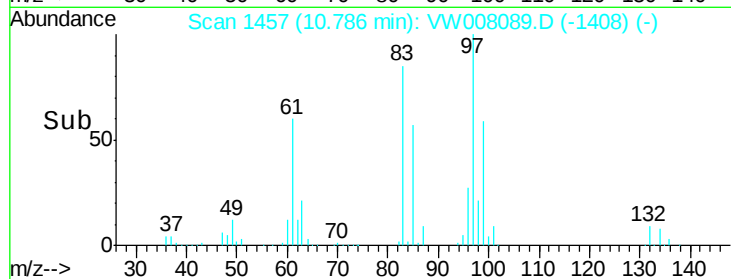
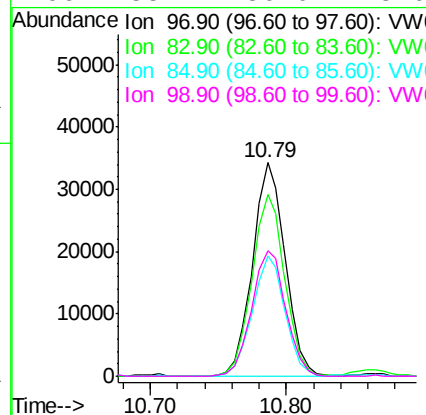
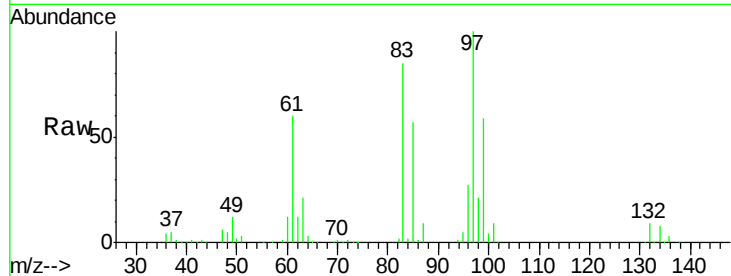




#55
 1,1,2-Trichloroethane
 Concen: 78.580 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW008089.D
 Acq: 08 Jan 2019 17:04

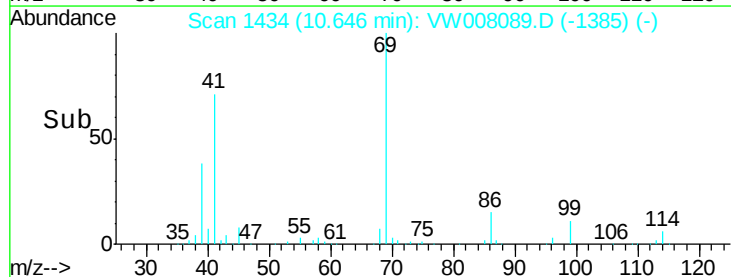
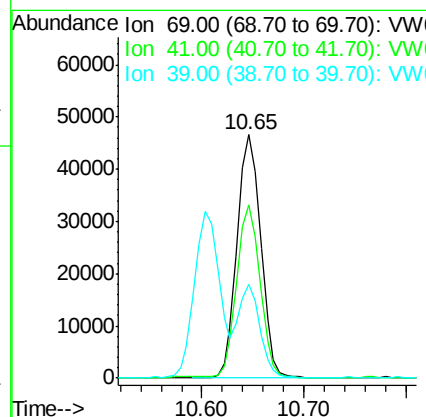
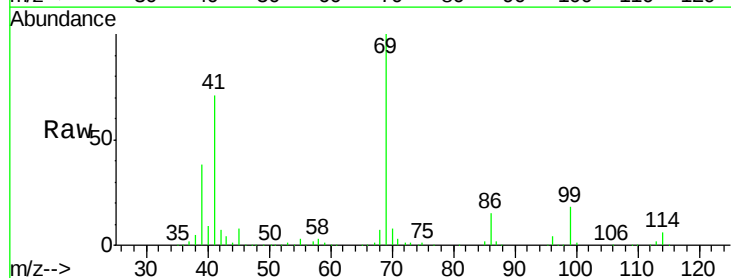
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC075

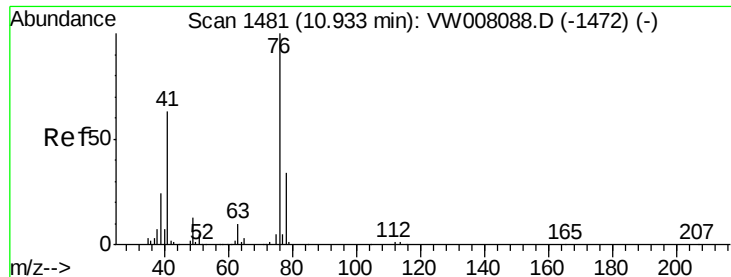
Tot Ion:	97	Resp:	57613
Ion	Ratio	Lower	Upper
97	100		
83	85.2	69.3	103.9
85	56.6	43.8	65.6
99	58.7	50.0	75.0



#56
 Ethyl methacrylate
 Concen: 88.206 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW008089.D
 Acq: 08 Jan 2019 17:04

Tgt Ion:	69	Resp:	75011
Ion	Ratio	Lower	Upper
69	100		
41	69.3	56.4	84.6
39	34.8	28.1	42.1





#57

1,3-Dichloropropane

Concen: 81.602 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

Instrument :

MSVOA_W

ClientSampleId :

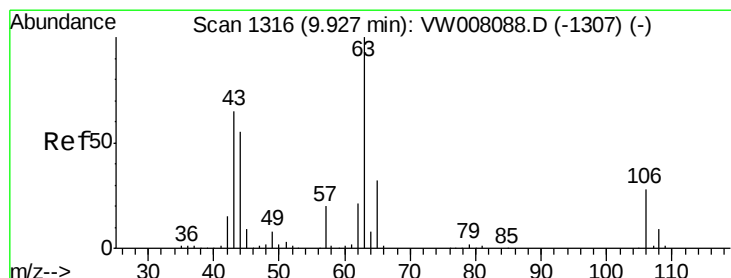
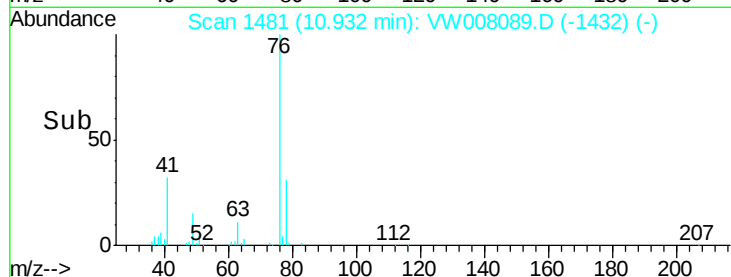
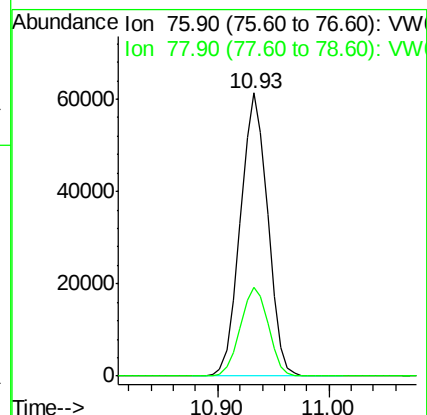
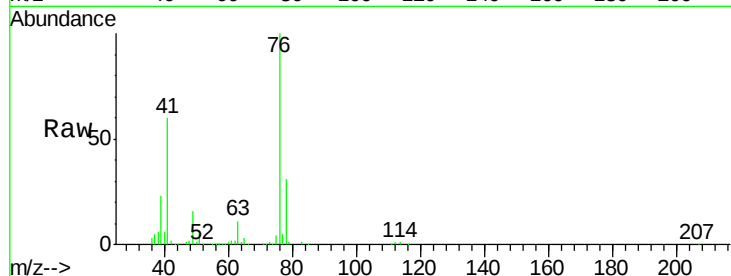
VSTDIC075

Tot Ion: 76 Resp: 103869

Ion Ratio Lower Upper

76 100

78 32.1 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 440.406 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VW008089.D

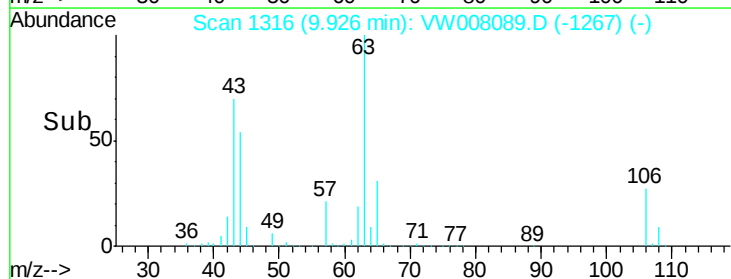
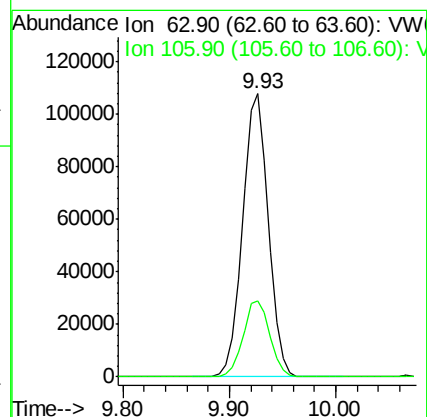
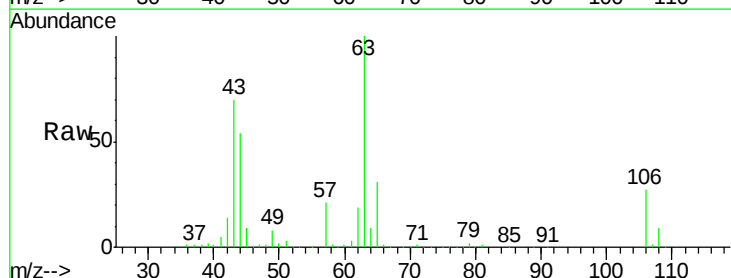
Acq: 08 Jan 2019 17:04

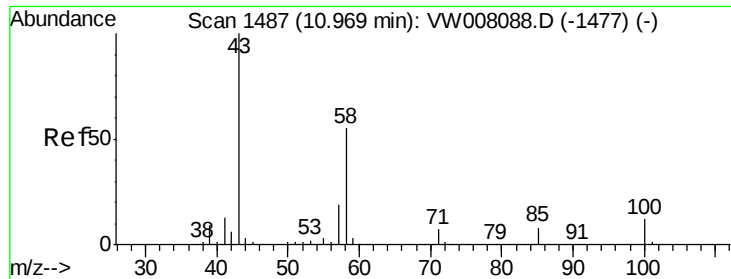
Tgt Ion: 63 Resp: 182881

Ion Ratio Lower Upper

63 100

106 27.7 21.8 32.6

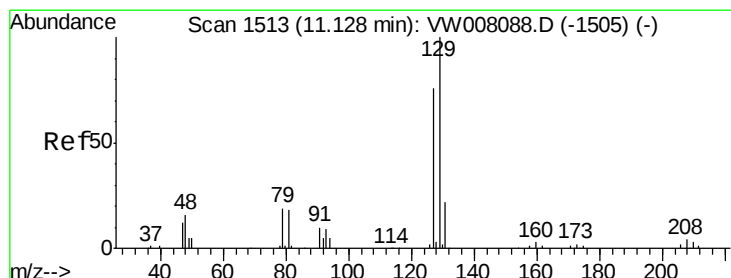
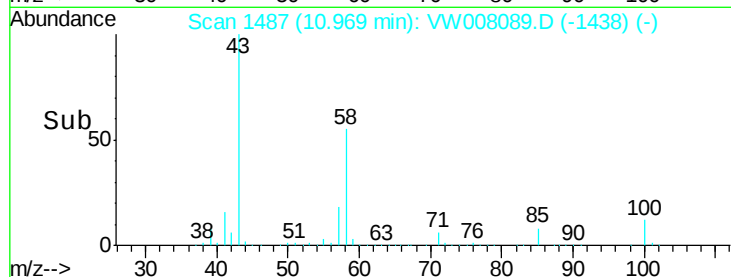
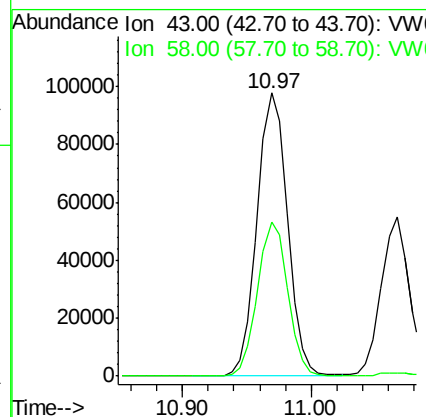
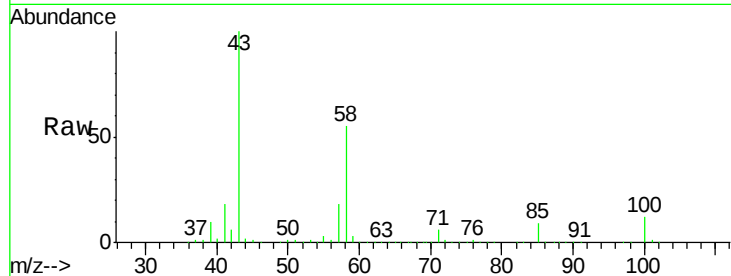




#59
2-Hexanone
Concen: 486.022 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW008089.D
Acq: 08 Jan 2019 17:04

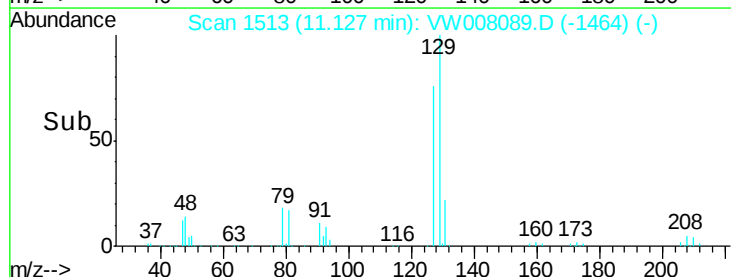
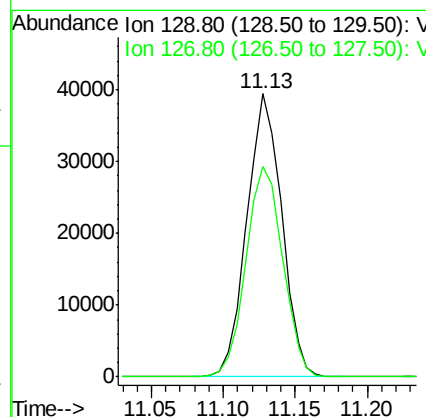
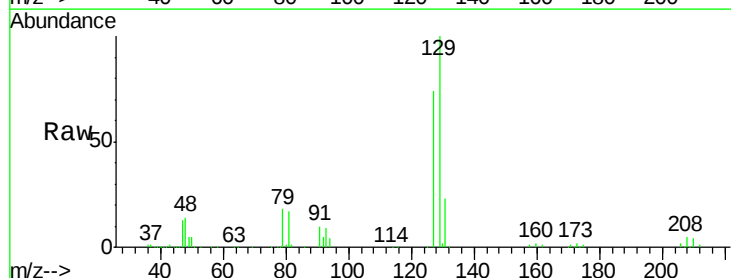
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

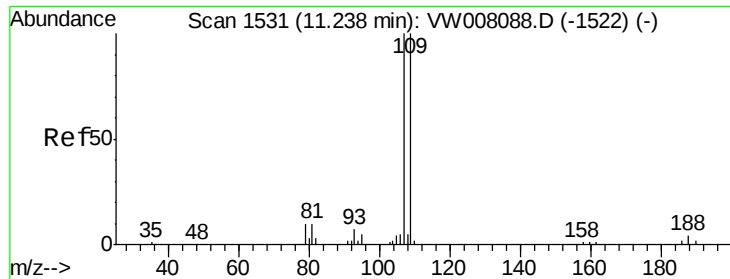
Tot Ion: 43 Resp: 160306
Ion Ratio Lower Upper
43 100
58 54.1 27.2 81.5



#60
Dibromochloromethane
Concen: 67.455 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW008089.D
Acq: 08 Jan 2019 17:04

Tgt Ion: 129 Resp: 66145
Ion Ratio Lower Upper
129 100
127 78.1 38.9 116.6

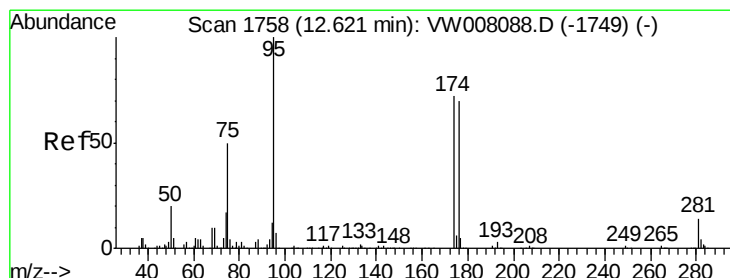
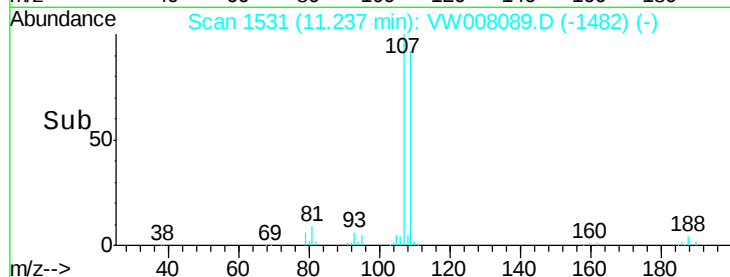
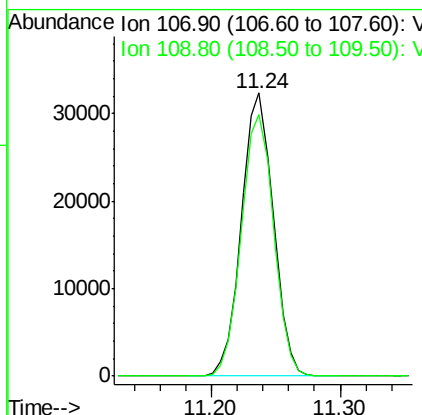
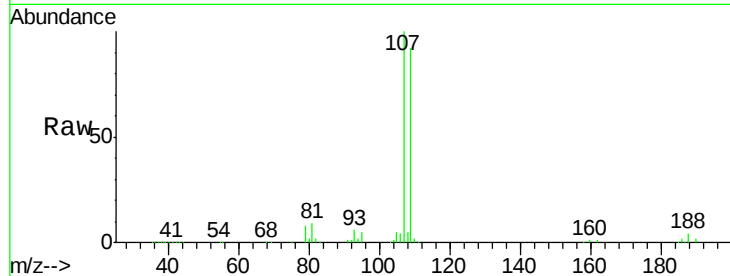




#61
 1,2-Dibromoethane
 Concen: 75.450 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW008089.D
 Acq: 08 Jan 2019 17:04

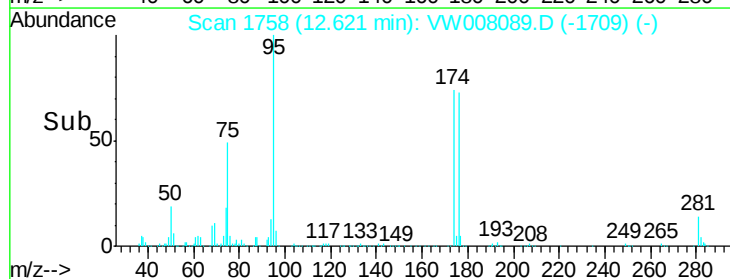
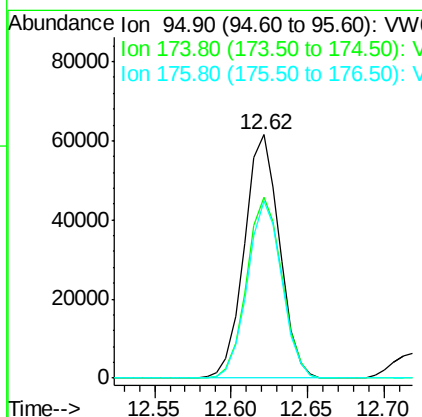
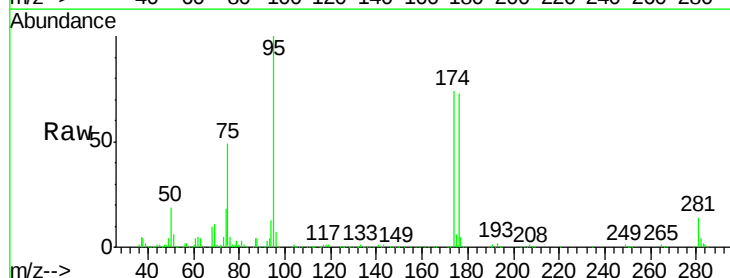
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

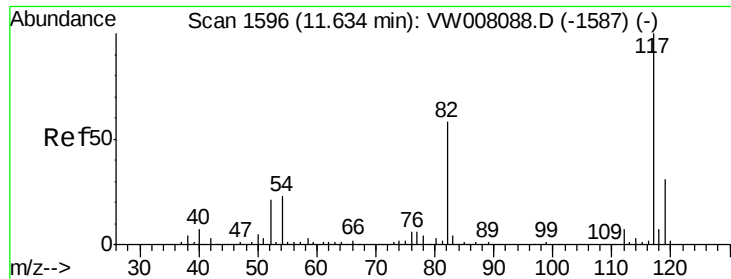
Tot Ion:107 Resp: 55386
 Ion Ratio Lower Upper
 107 100
 109 93.6 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 65.886 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW008089.D
 Acq: 08 Jan 2019 17:04

Tgt Ion: 95 Resp: 98351
 Ion Ratio Lower Upper
 95 100
 174 74.6 0.0 143.0
 176 71.2 0.0 140.2

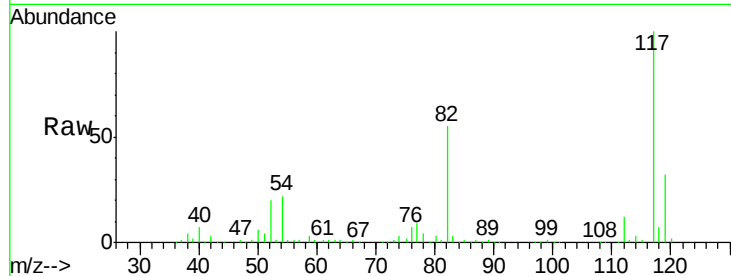




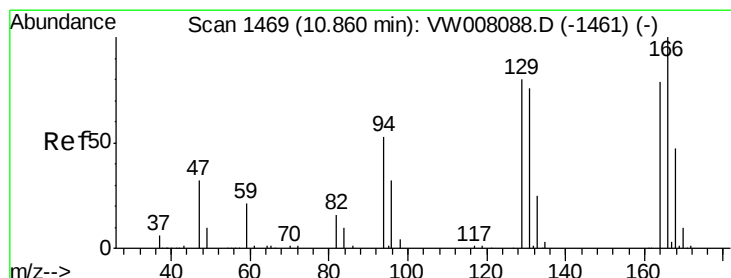
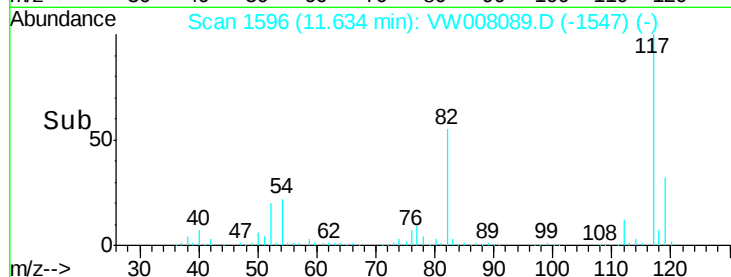
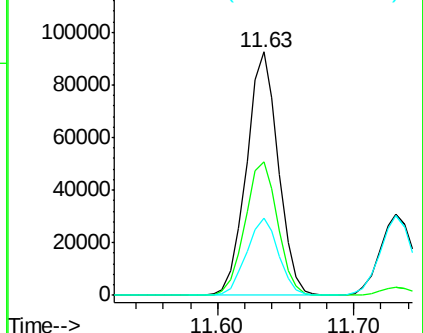
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008089.D
Acq: 08 Jan 2019 17:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

Tot Ion:117 Resp: 151114
Ion Ratio Lower Upper
117 100
82 54.8 46.4 69.6
119 31.5 24.7 37.1

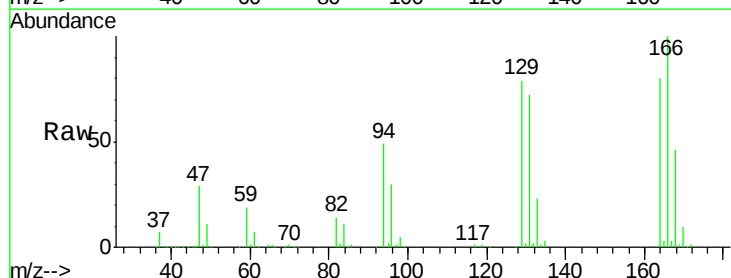


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

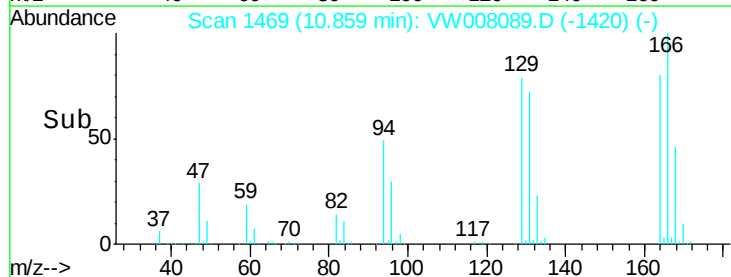
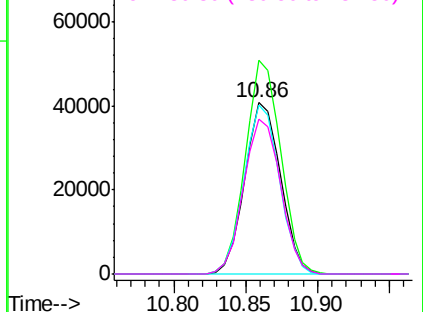


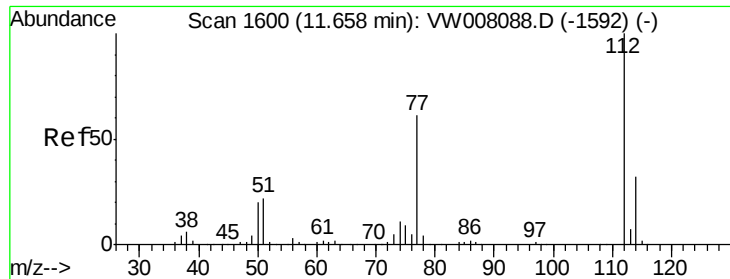
#64
Tetrachloroethene
Concen: 69.579 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW008089.D
Acq: 08 Jan 2019 17:04

Tgt Ion:164 Resp: 70109
Ion Ratio Lower Upper
164 100
166 124.9 100.7 151.1
129 98.6 81.0 121.4
131 90.3 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

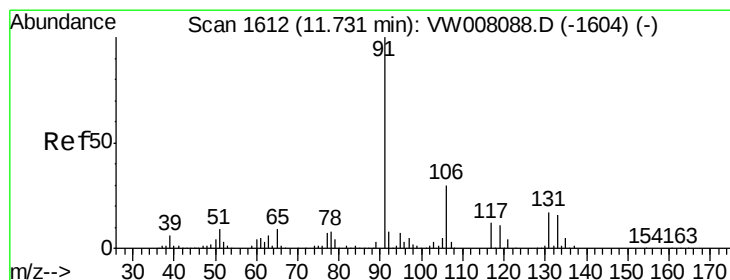
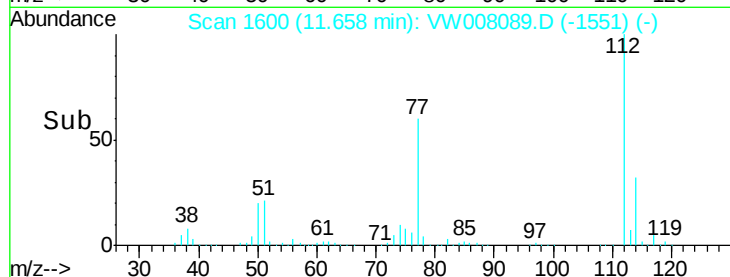
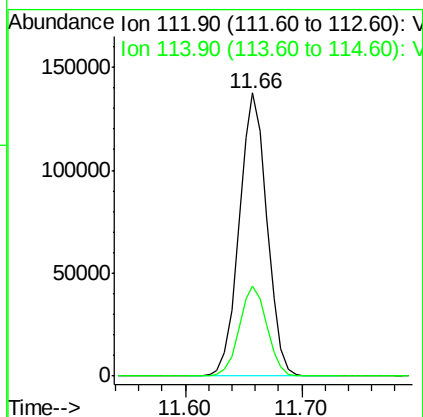
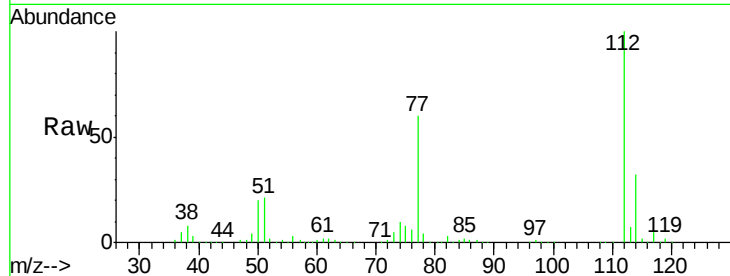




#65
Chlorobenzene
Concen: 71.837 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW008089.D
Acq: 08 Jan 2019 17:04

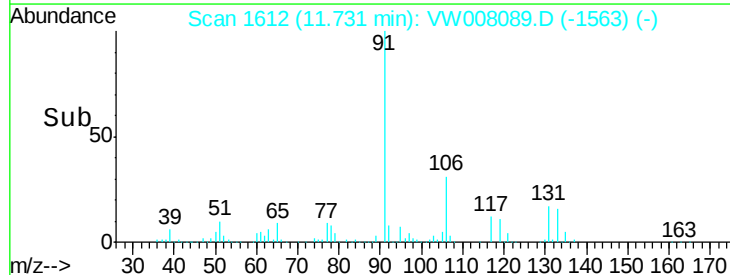
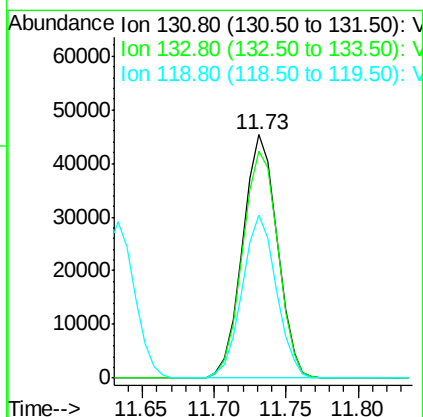
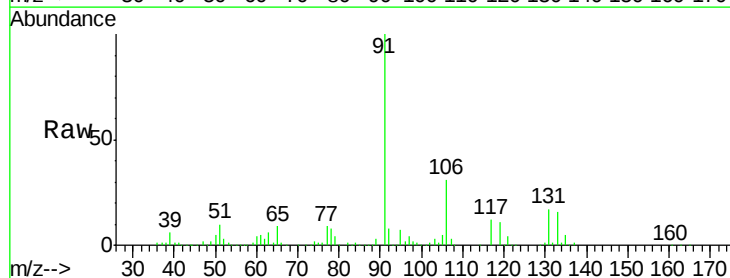
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

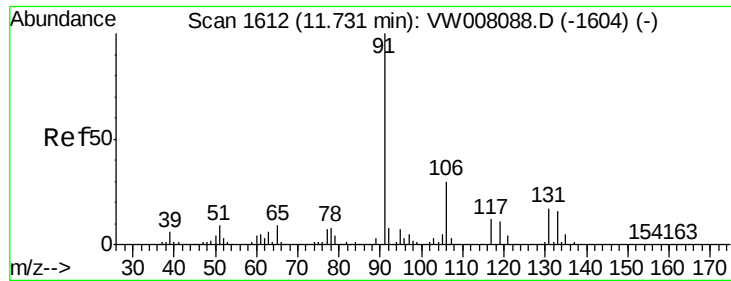
Tot Ion:112 Resp: 227699
Ion Ratio Lower Upper
112 100
114 31.9 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 66.561 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008089.D
Acq: 08 Jan 2019 17:04

Tgt Ion:131 Resp: 75402
Ion Ratio Lower Upper
131 100
133 95.7 47.9 143.7
119 66.1 32.5 97.4

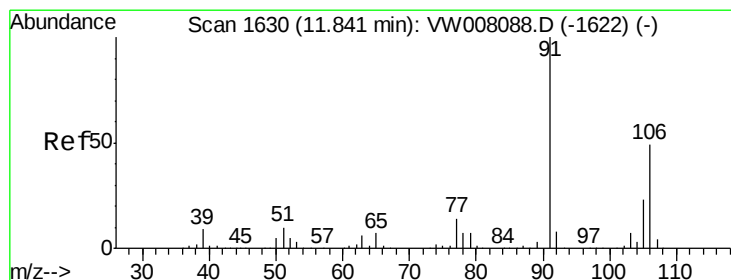
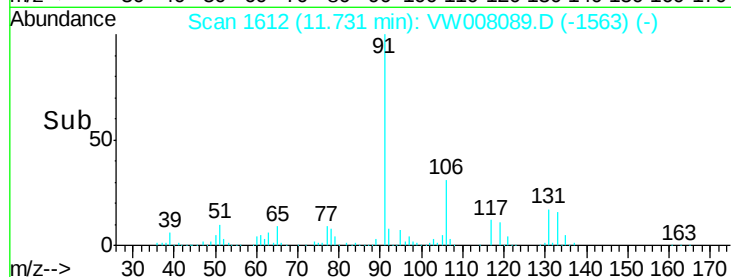
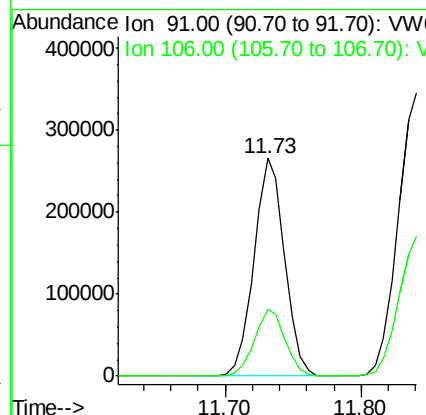
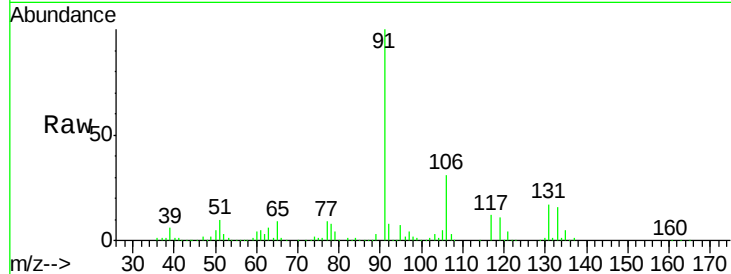




#67
Ethyl Benzene
Concen: 73.925 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008089.D
Acq: 08 Jan 2019 17:04

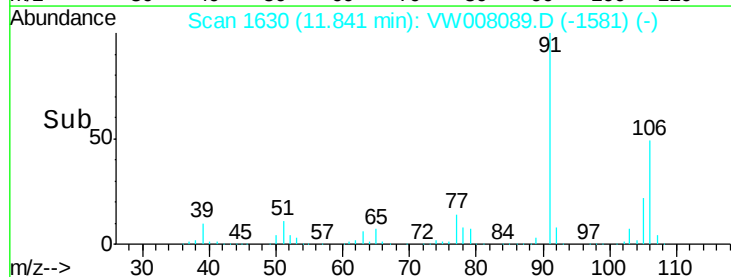
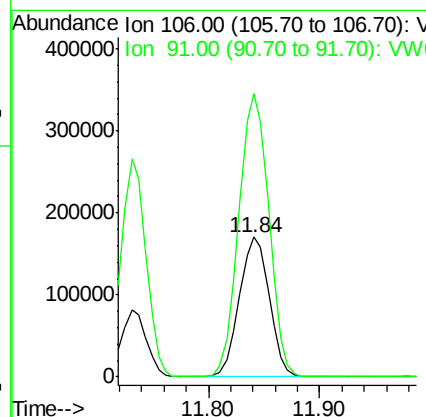
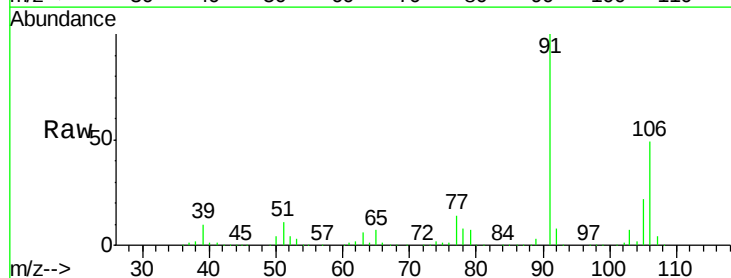
Instrument :
MSVOA_W
ClientSampled :
VSTDIC075

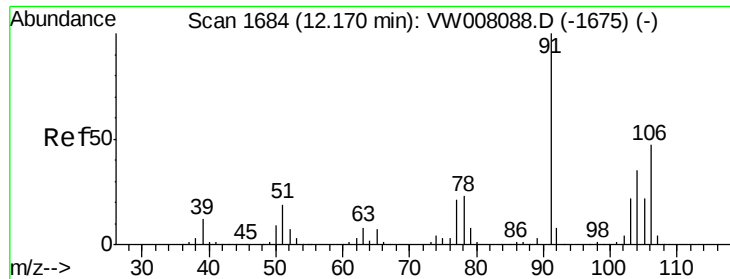
Tot Ion: 91 Resp: 418829
Ion Ratio Lower Upper
91 100
106 30.7 24.2 36.4



#68
m/p-Xylenes
Concen: 145.617 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW008089.D
Acq: 08 Jan 2019 17:04

Tgt Ion: 106 Resp: 318135
Ion Ratio Lower Upper
106 100
91 202.9 162.4 243.6

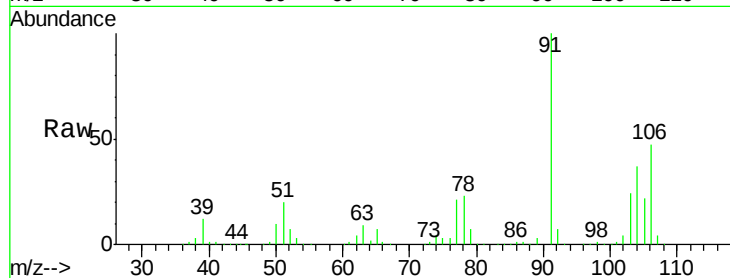




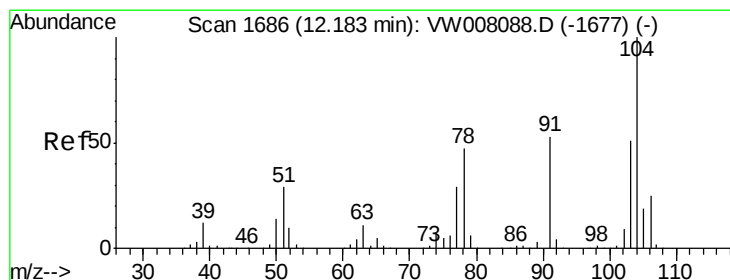
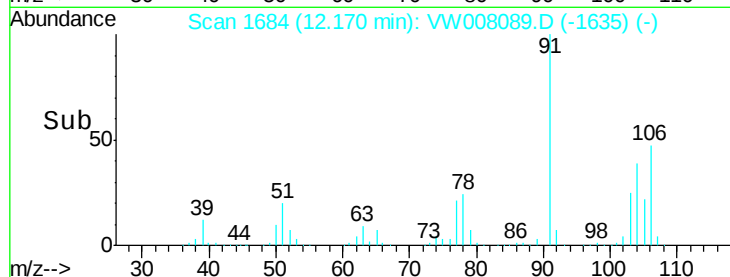
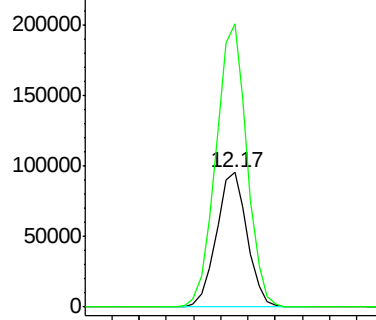
#69
o-Xylene
Concen: 74.338 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW008089.D
Acq: 08 Jan 2019 17:04

Instrument :
MSVOA_W
ClientSampled :
VSTDIC075

Tot Ion:106 Resp: 151053
Ion Ratio Lower Upper
106 100
91 210.5 107.8 323.6

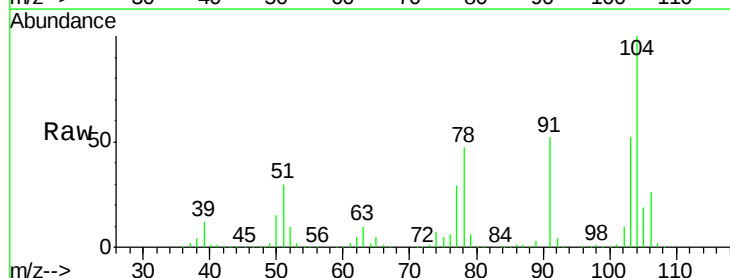


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV

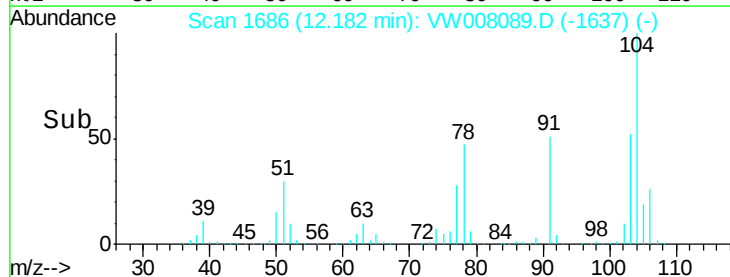
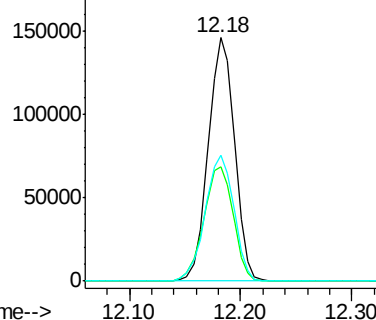


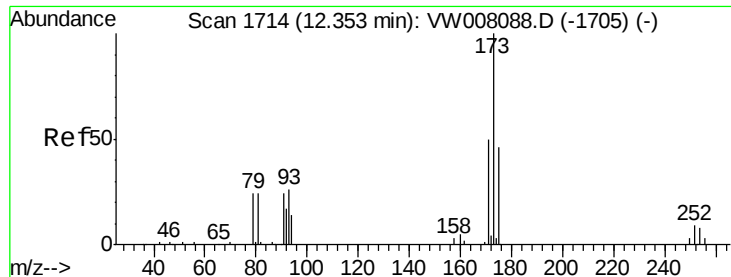
#70
Styrene
Concen: 72.242 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW008089.D
Acq: 08 Jan 2019 17:04

Tgt Ion:104 Resp: 238658
Ion Ratio Lower Upper
104 100
78 52.2 41.8 62.8
103 56.2 43.8 65.8



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





#71

Bromoform

Concen: 66.579 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

Instrument :

MSVOA_W

ClientSampled :

VSTDIC075

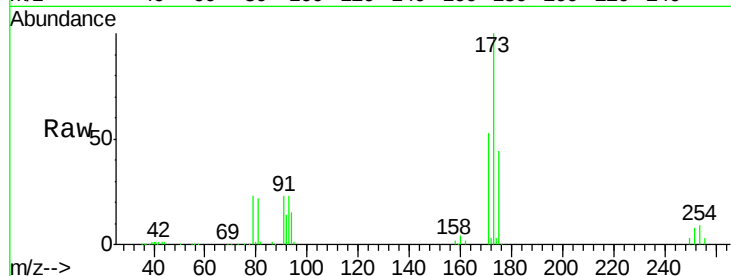
Tot Ion:173 Resp: 34799

Ion Ratio Lower Upper

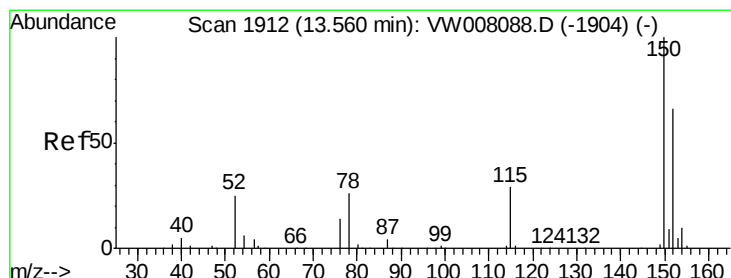
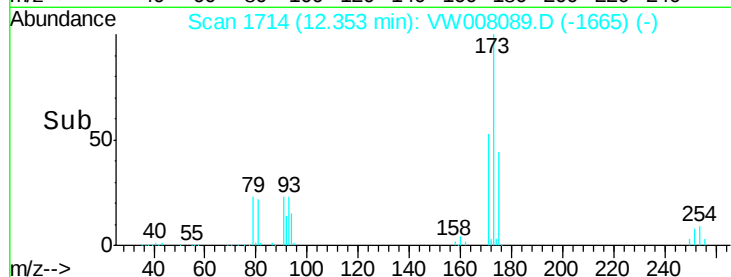
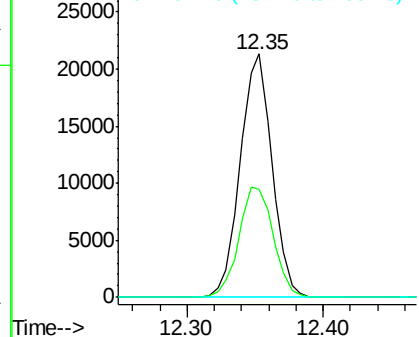
173 100

175 48.9 23.3 69.8

254 0.1 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: VW008089.D

Acq: 08 Jan 2019 17:04

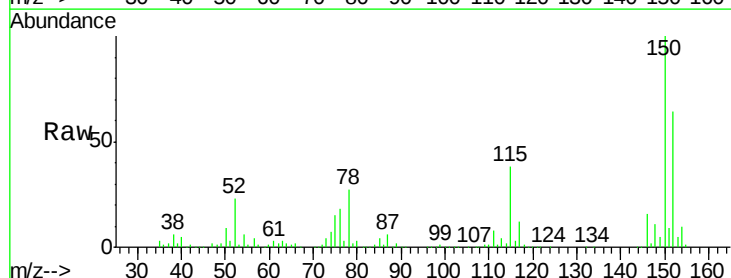
Tgt Ion:152 Resp: 70551

Ion Ratio Lower Upper

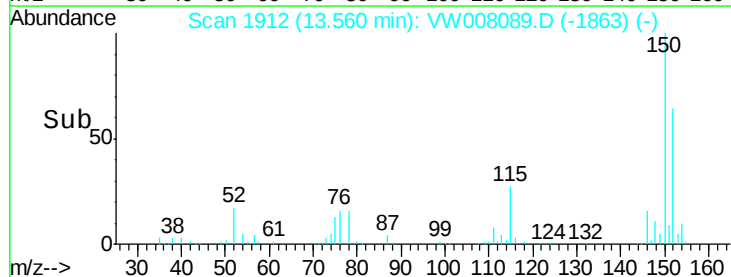
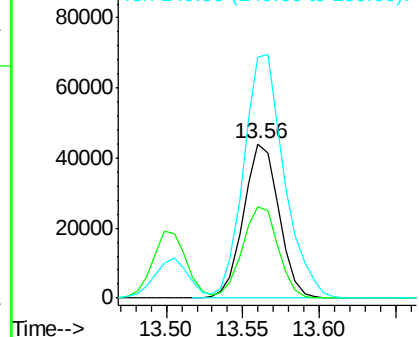
152 100

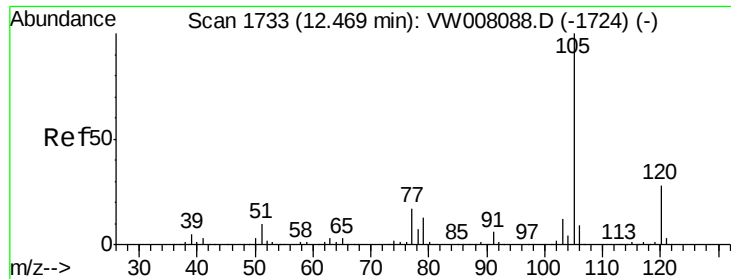
115 60.4 30.8 92.4

150 180.6 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: 73.795 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

Instrument :

MSVOA_W

ClientSampleId :

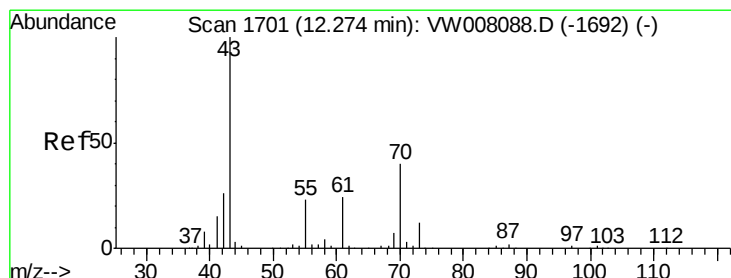
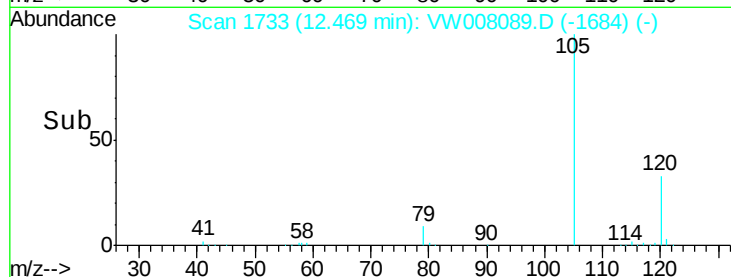
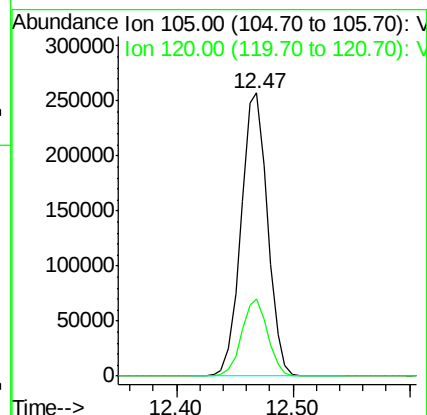
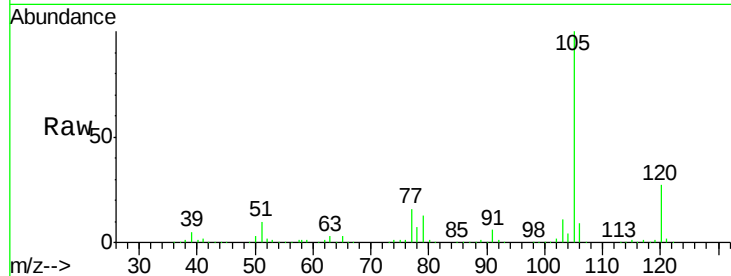
VSTDIC075

Tot Ion:105 Resp: 407539

Ion Ratio Lower Upper

105 100

120 26.7 13.6 40.8



#74

N-ethyl acetate

Concen: 100.077 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

Tgt Ion: 43 Resp: 91944

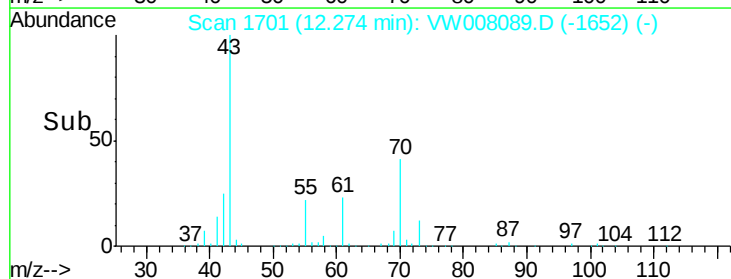
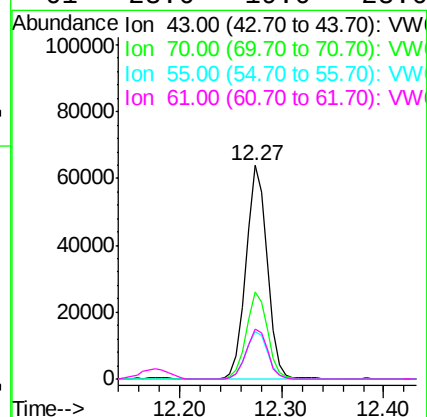
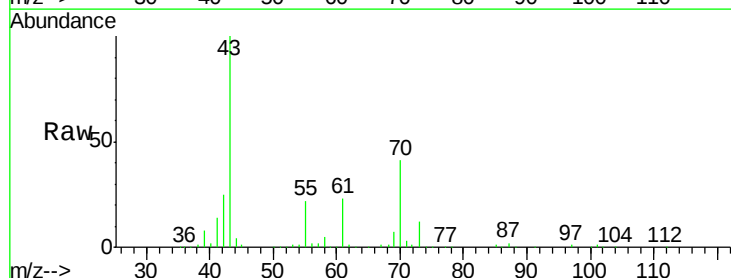
Ion Ratio Lower Upper

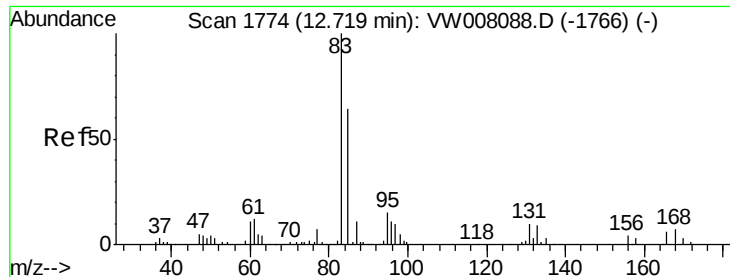
43 100

70 40.7 32.4 48.6

55 23.3 18.7 28.1

61 23.6 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 87.162 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

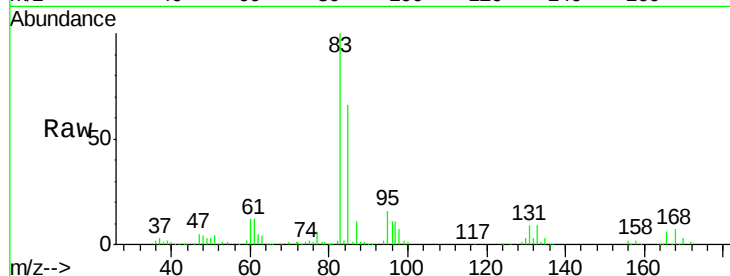
Tot Ion: 83 Resp: 63500

Ion Ratio Lower Upper

83 100

131 10.2 5.3 16.1

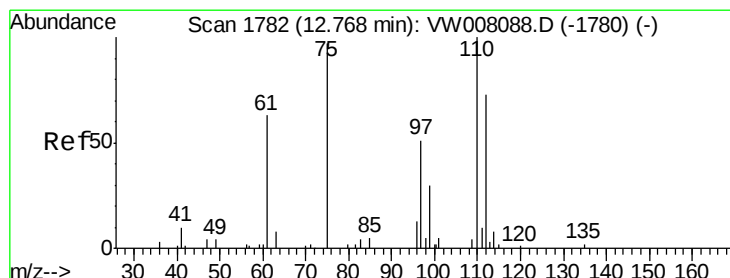
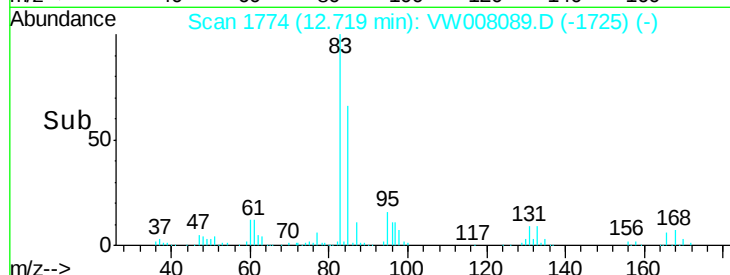
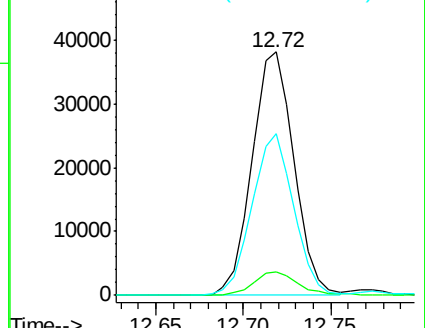
85 65.9 32.4 97.2



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: 153.817 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW008089.D

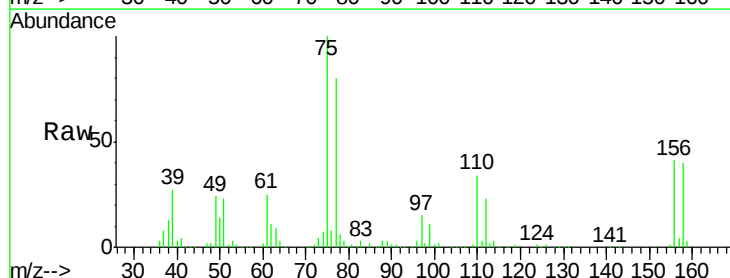
Acq: 08 Jan 2019 17:04

Tgt Ion: 75 Resp: 87194

Ion Ratio Lower Upper

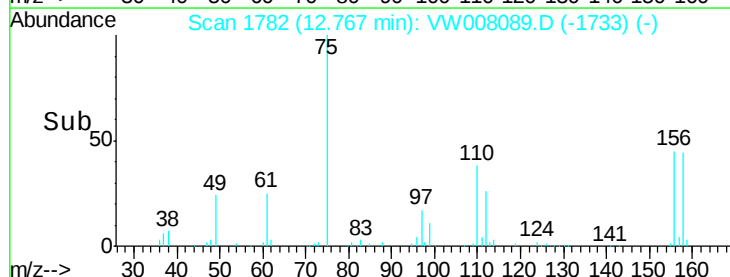
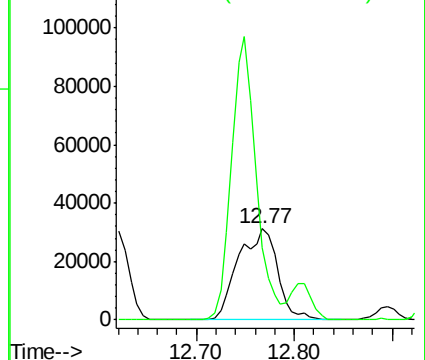
75 100

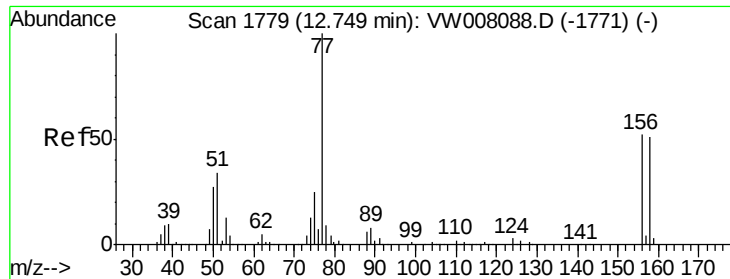
77 194.5 179.4 538.2



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 73.644 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

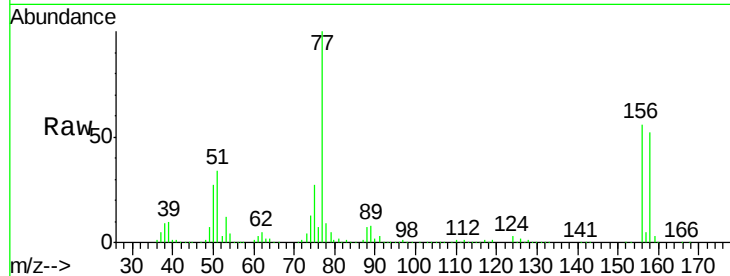
Tot Ion:156 Resp: 86657

Ion Ratio Lower Upper

156 100

77 195.7 104.2 312.5

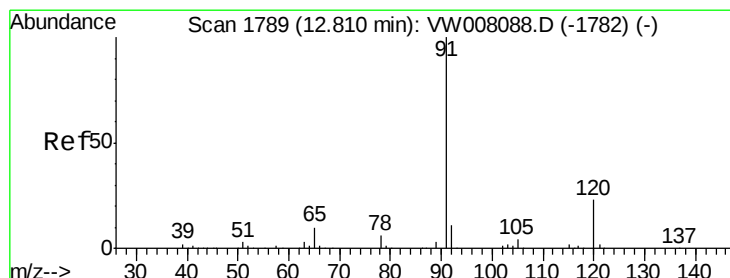
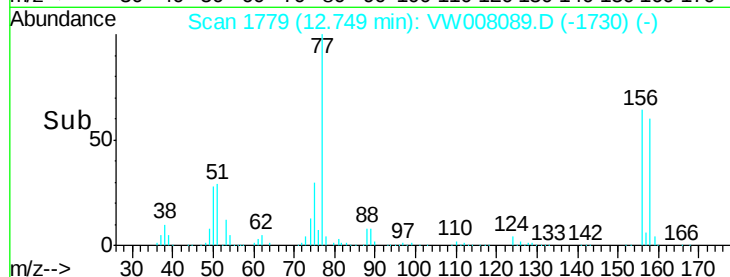
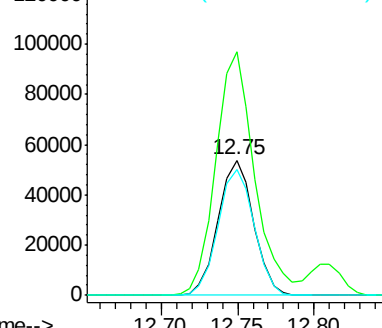
158 94.9 47.9 143.6



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: 76.313 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW008089.D

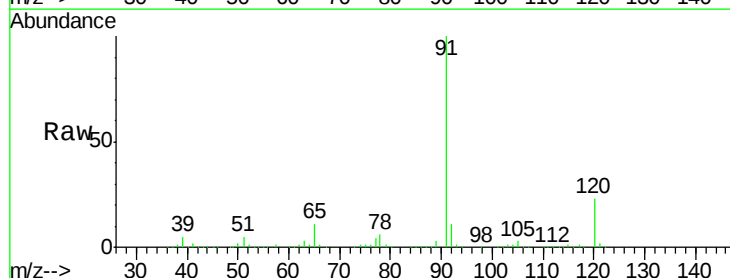
Acq: 08 Jan 2019 17:04

Tgt Ion: 91 Resp: 494119

Ion Ratio Lower Upper

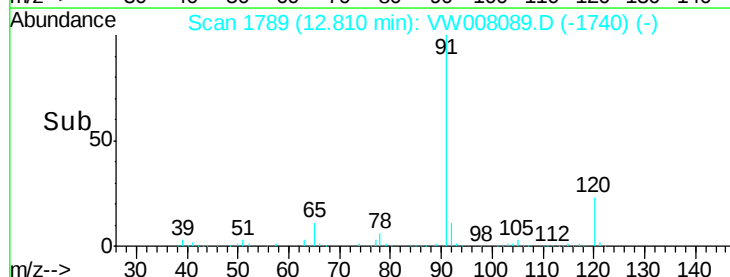
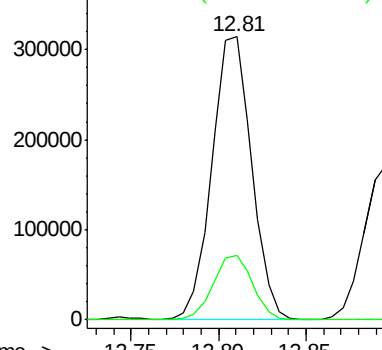
91 100

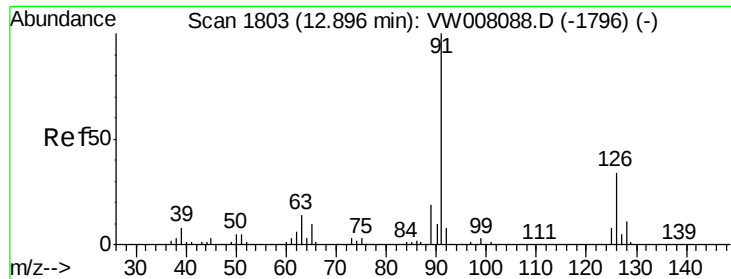
120 22.7 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 73.745 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

Instrument :

MSVOA_W

ClientSampleId :

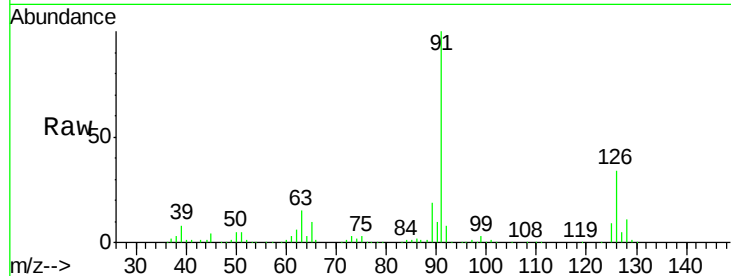
VSTDIC075

Tot Ion: 91 Resp: 274064

Ion Ratio Lower Upper

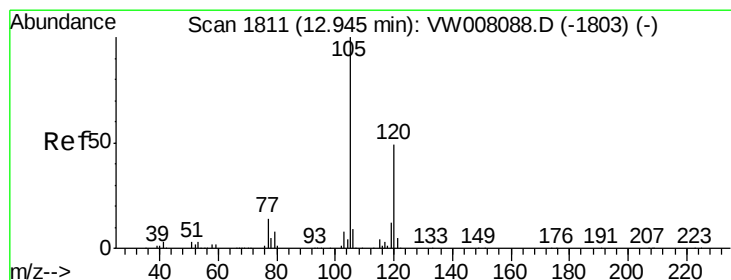
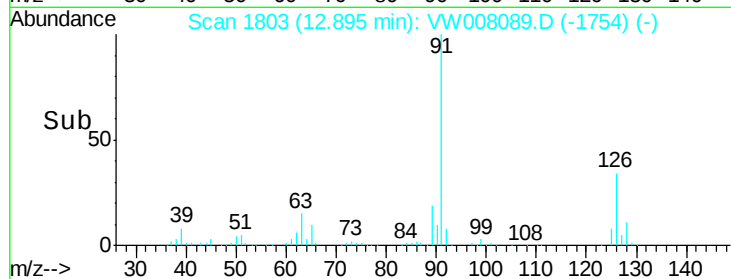
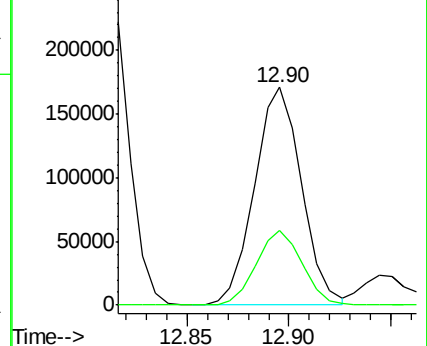
91 100

126 33.5 16.8 50.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 70.792 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW008089.D

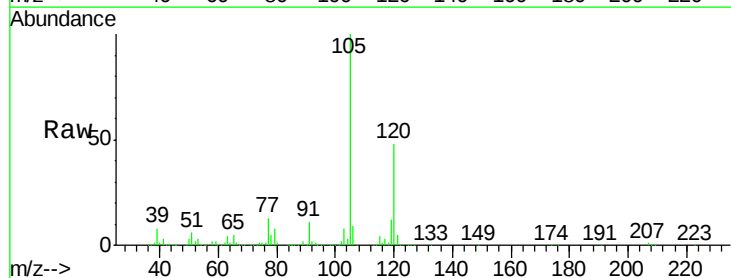
Acq: 08 Jan 2019 17:04

Tgt Ion:105 Resp: 334122

Ion Ratio Lower Upper

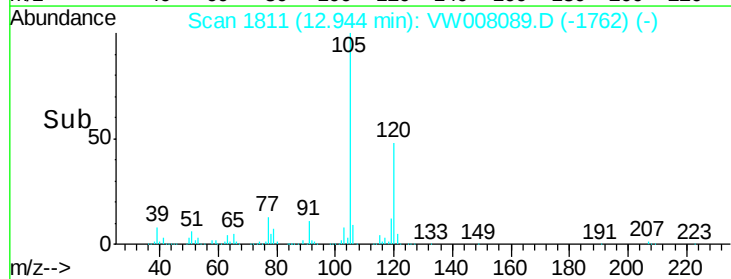
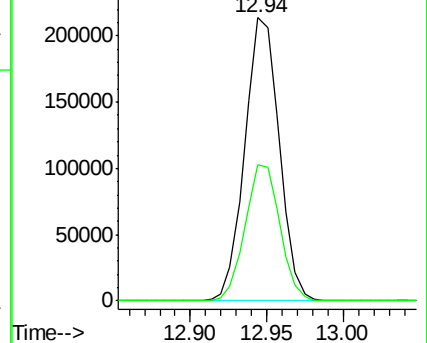
105 100

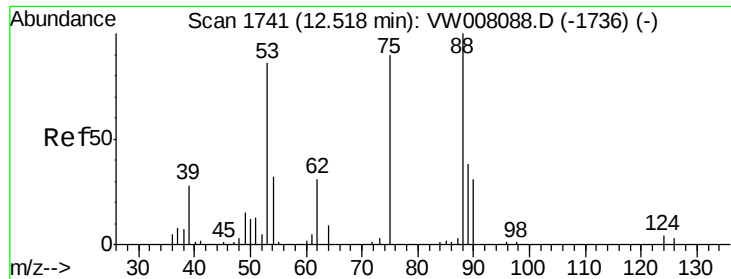
120 48.6 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 84.750 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

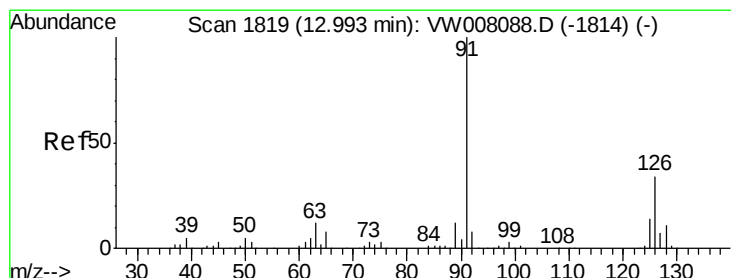
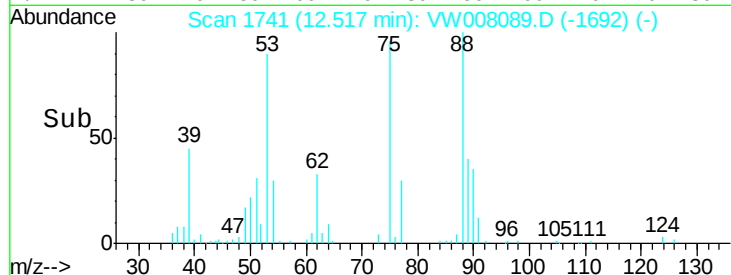
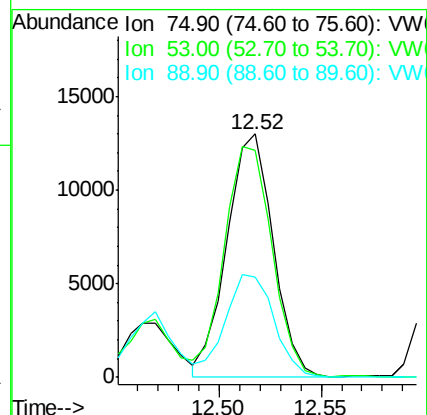
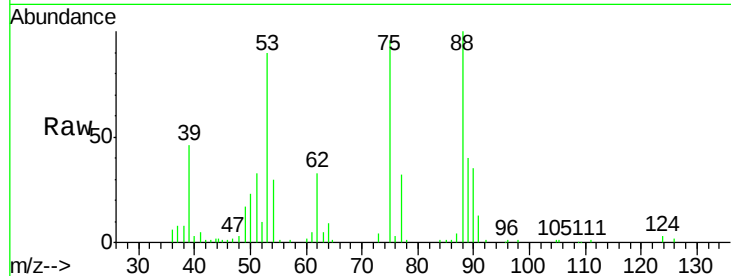
Tot Ion: 75 Resp: 20449

Ion Ratio Lower Upper

75 100

53 97.6 78.8 118.2

89 44.4 35.4 53.2



#82

4-Chlorotoluene

Concen: 72.383 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW008089.D

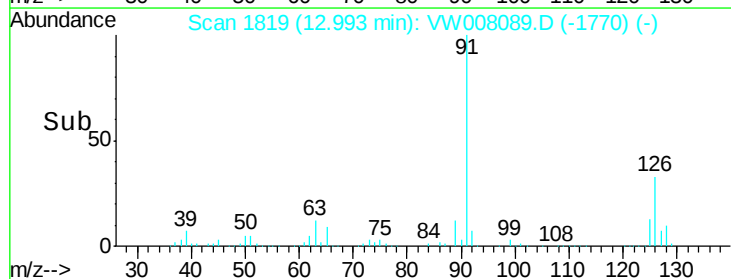
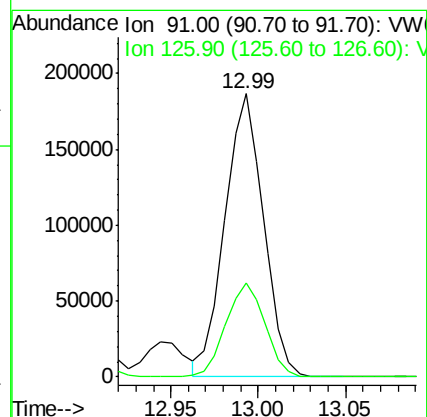
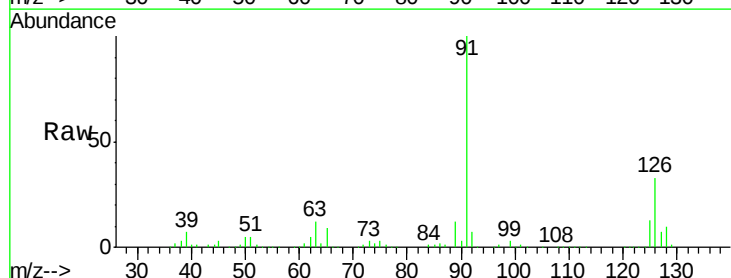
Acq: 08 Jan 2019 17:04

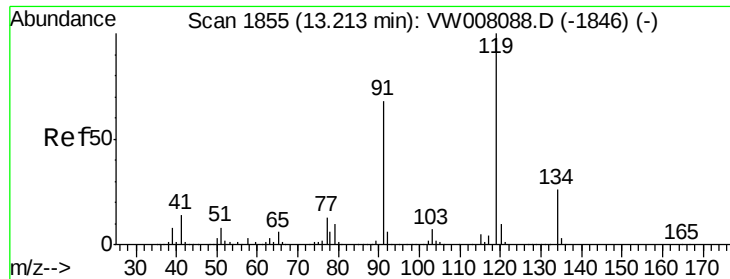
Tgt Ion: 91 Resp: 285826

Ion Ratio Lower Upper

91 100

126 33.7 16.5 49.5





#83

tert-Butylbenzene

Concen: 71.885 ug/l

RT: 13.21 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

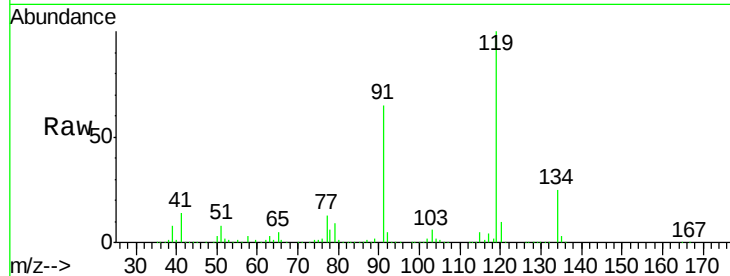
Tot Ion:119 Resp: 298012

Ion Ratio Lower Upper

119 100

91 65.7 33.9 101.6

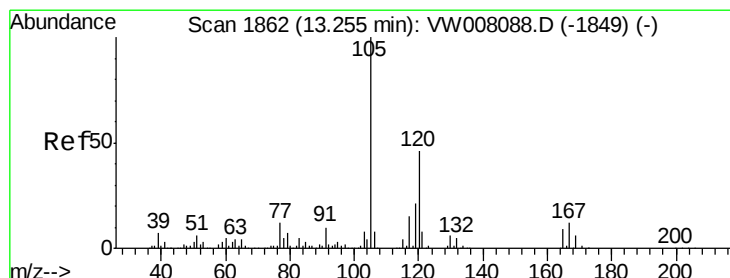
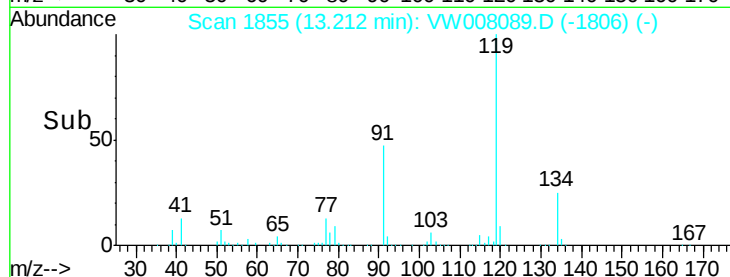
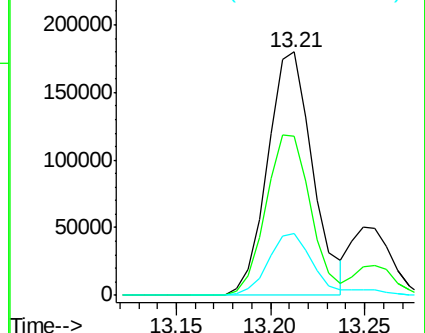
134 26.8 13.6 40.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 70.071 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW008089.D

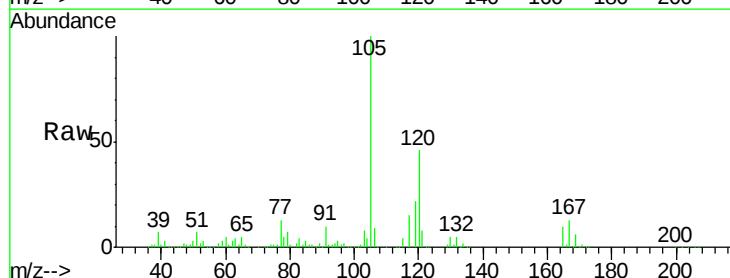
Acq: 08 Jan 2019 17:04

Tgt Ion:105 Resp: 336626

Ion Ratio Lower Upper

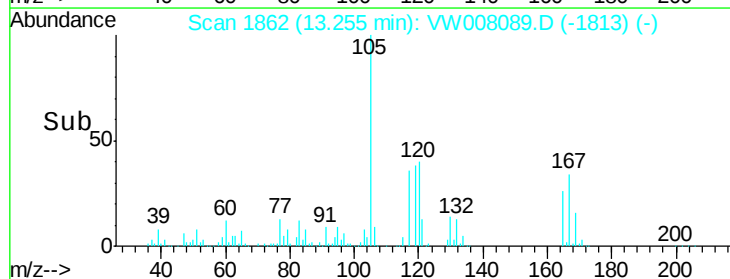
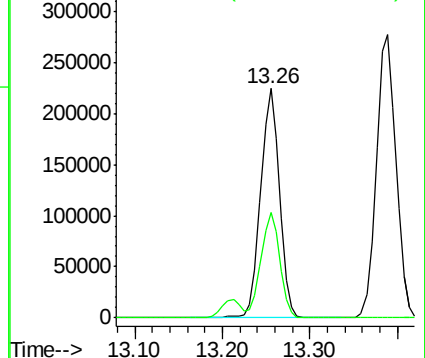
105 100

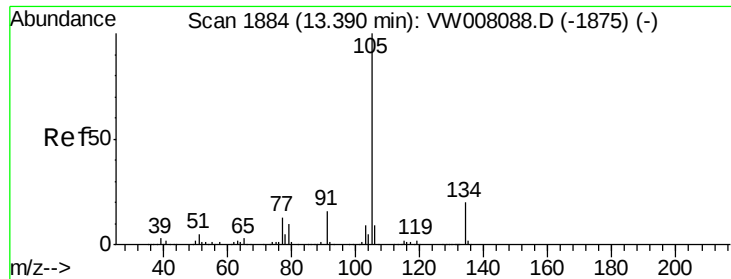
120 46.1 22.7 68.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 74.590 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

Instrument :

MSVOA_W

ClientSampleId :

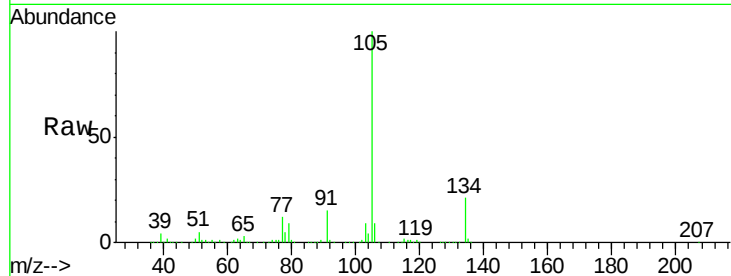
VSTDIC075

Tot Ion:105 Resp: 429228

Ion Ratio Lower Upper

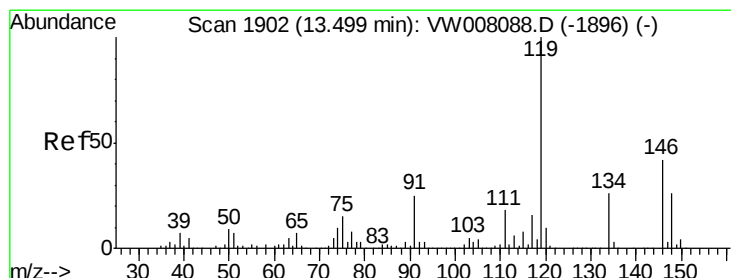
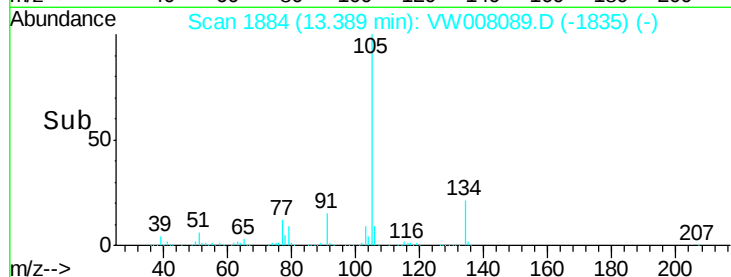
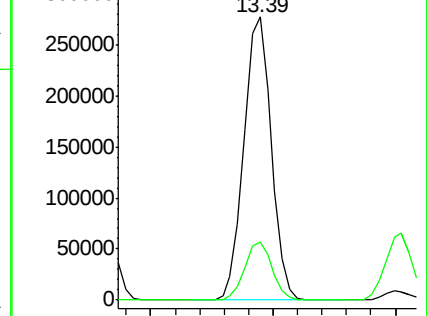
105 100

134 20.4 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: 71.857 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.01 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

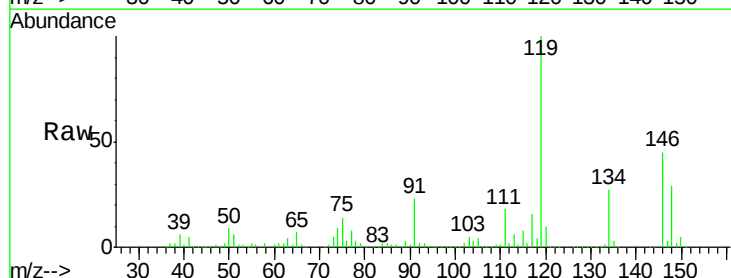
Tgt Ion:119 Resp: 370885

Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.8

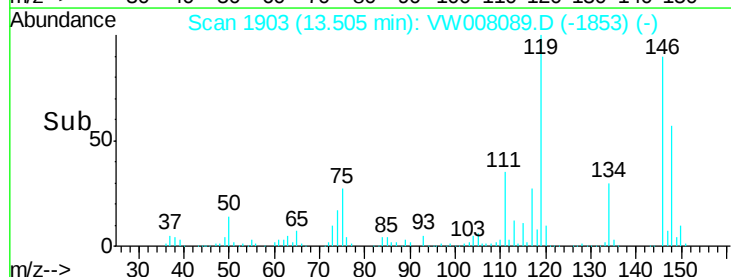
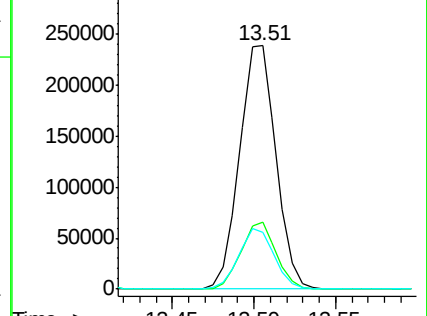
91 24.0 12.3 36.9

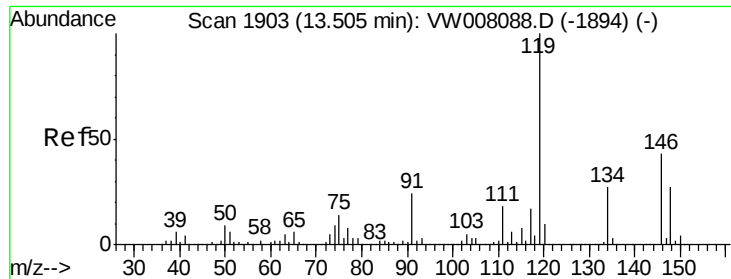


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

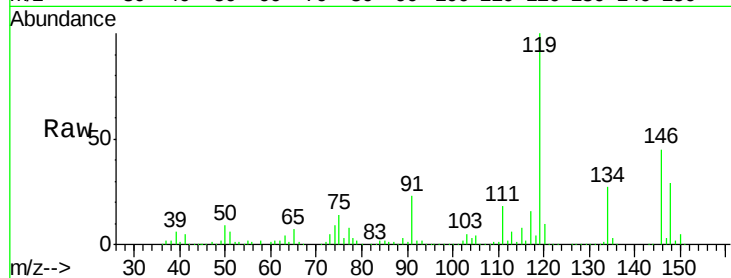




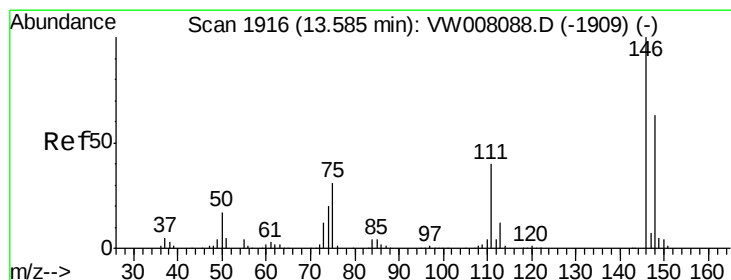
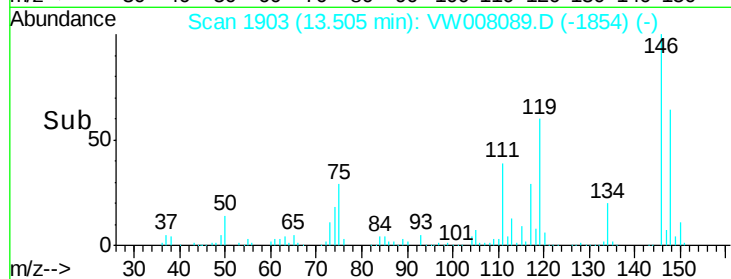
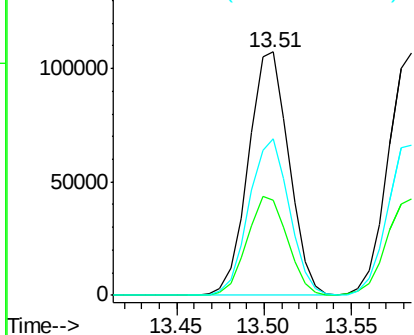
#87
 1,3-Dichlorobenzene
 Concen: 72.225 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW008089.D
 Acq: 08 Jan 2019 17:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

Tot Ion:146 Resp: 172903
 Ion Ratio Lower Upper
 146 100
 111 40.6 21.1 63.1
 148 63.9 31.3 93.9

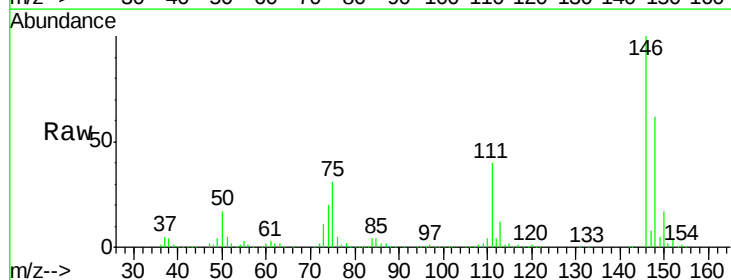


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

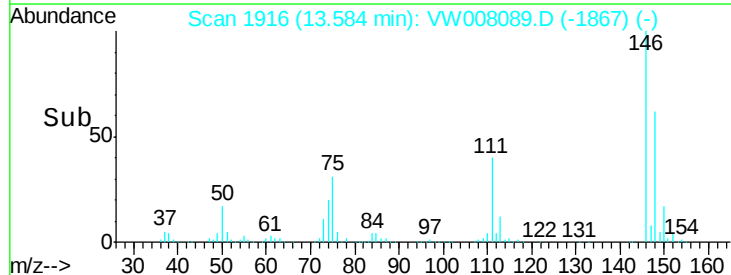
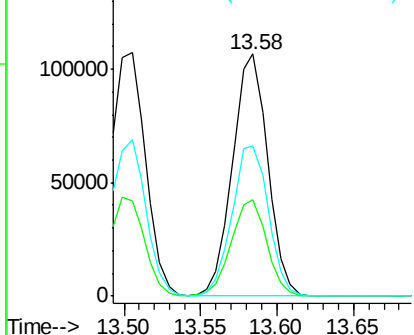


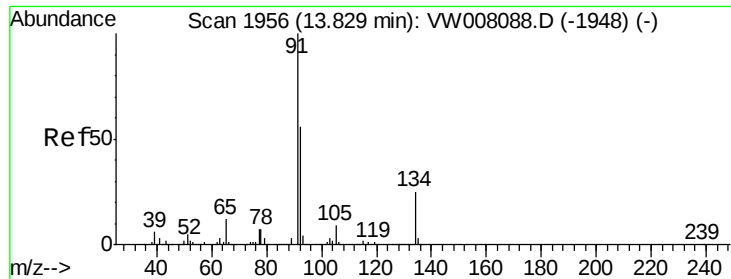
#88
 1,4-Dichlorobenzene
 Concen: 71.800 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW008089.D
 Acq: 08 Jan 2019 17:04

Tgt Ion:146 Resp: 170529
 Ion Ratio Lower Upper
 146 100
 111 40.3 20.5 61.5
 148 64.2 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

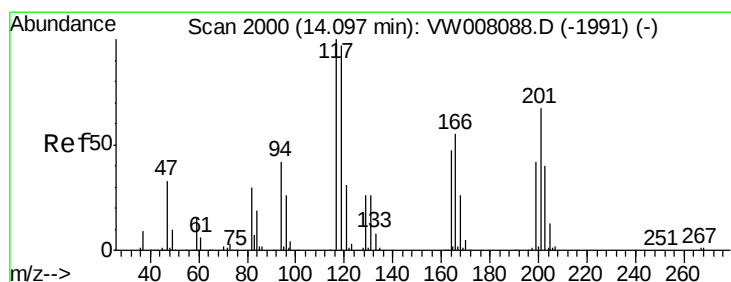
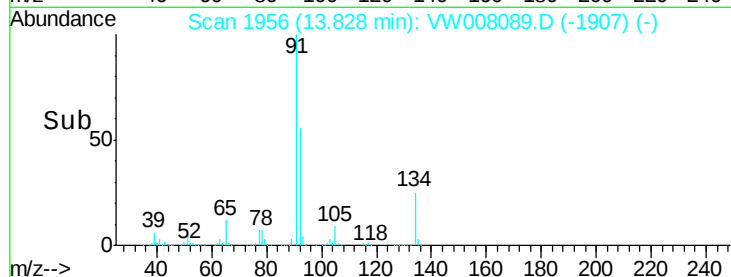
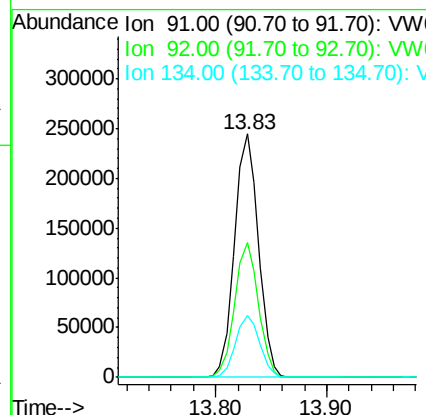
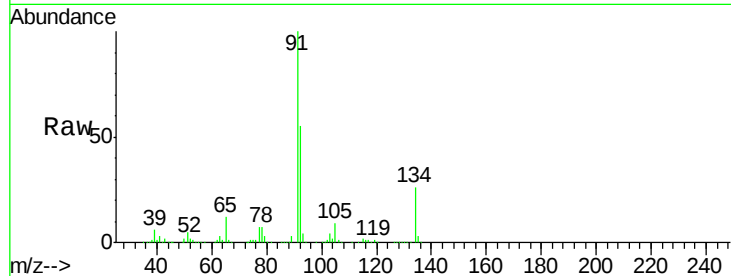




#89
n-Butylbenzene
Concen: 76.297 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW008089.D
Acq: 08 Jan 2019 17:04

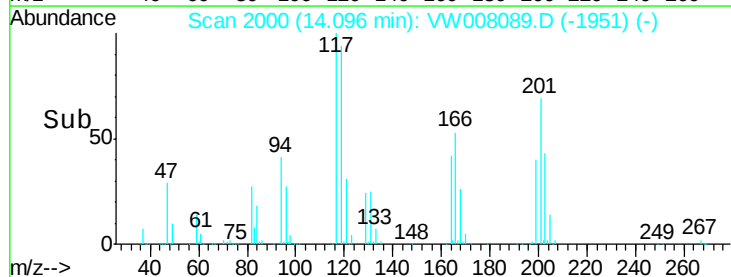
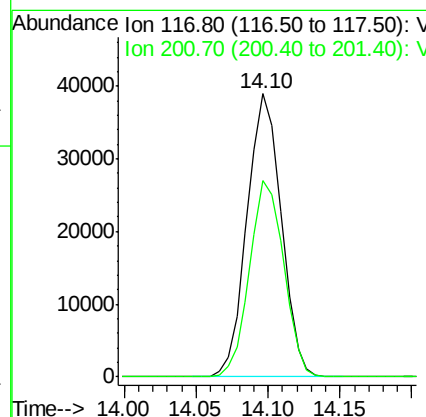
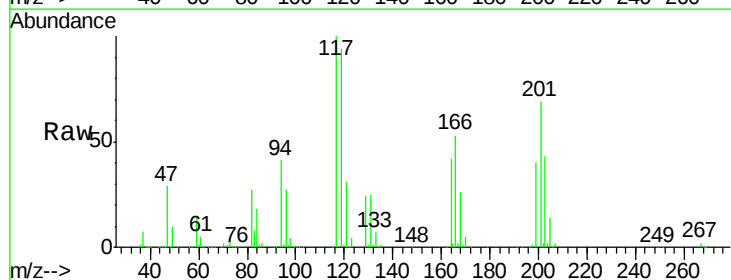
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

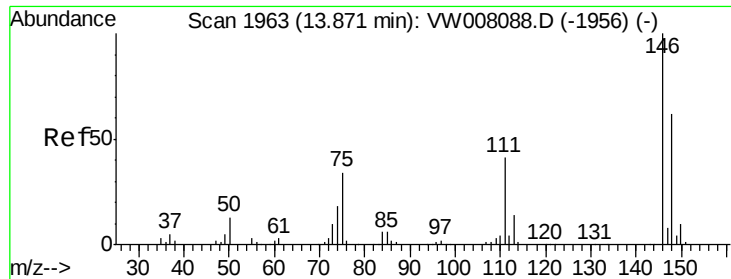
Tot Ion: 91 Resp: 363876
Ion Ratio Lower Upper
91 100
92 54.8 27.4 82.2
134 25.6 12.6 37.8



#90
Hexachloroethane
Concen: 71.836 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW008089.D
Acq: 08 Jan 2019 17:04

Tgt Ion: 117 Resp: 64133
Ion Ratio Lower Upper
117 100
201 69.3 33.0 98.9





#91

1,2-Dichlorobenzene

Concen: 71.297 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.01 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

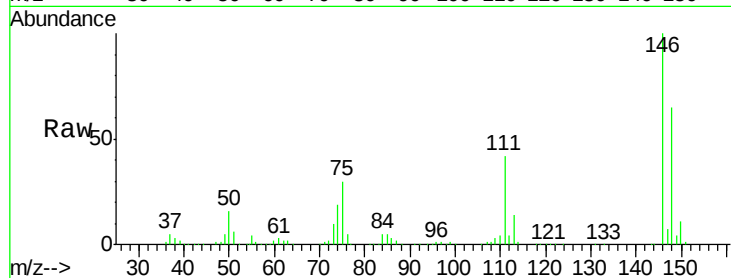
Tot Ion:146 Resp: 150244

Ion Ratio Lower Upper

146 100

111 42.7 21.3 63.7

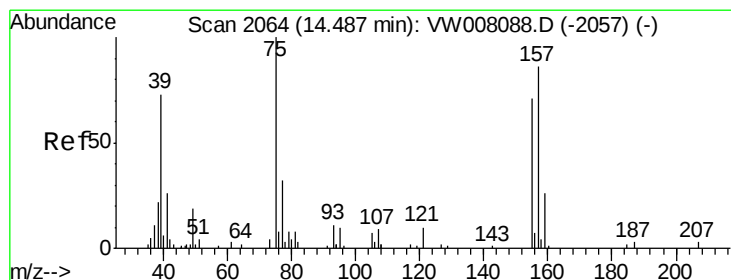
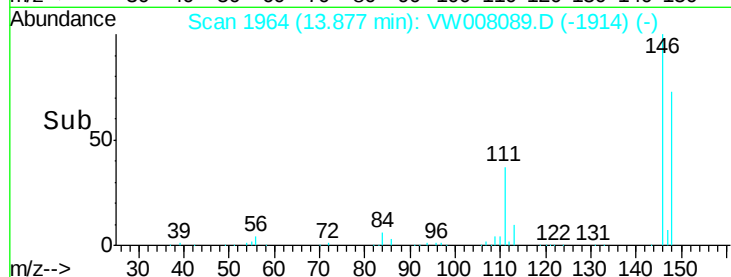
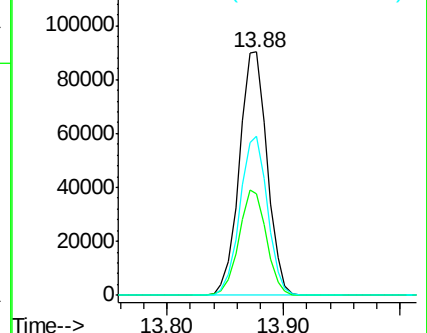
148 64.9 31.5 94.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 73.384 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

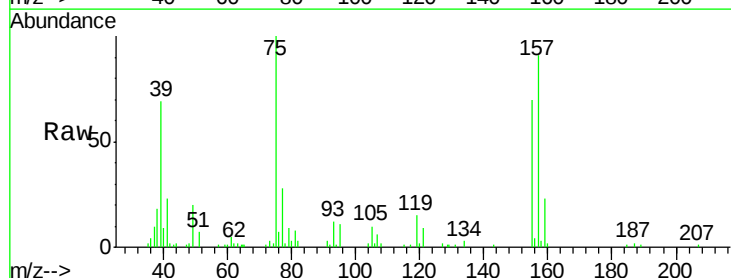
Tgt Ion: 75 Resp: 10519

Ion Ratio Lower Upper

75 100

155 77.9 38.6 115.7

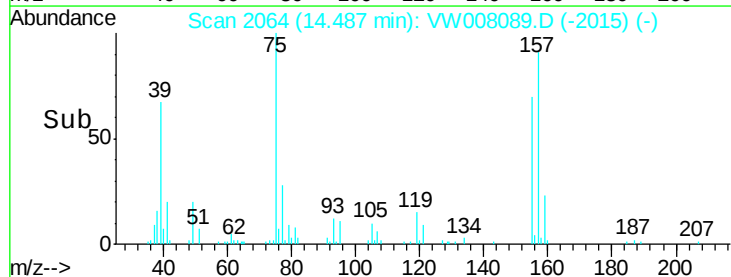
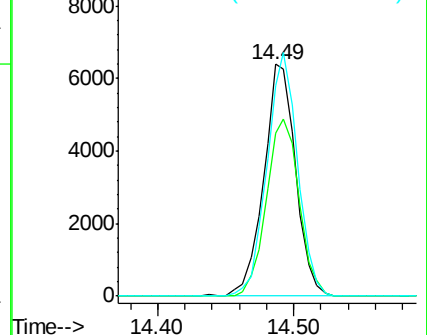
157 100.8 47.5 142.6

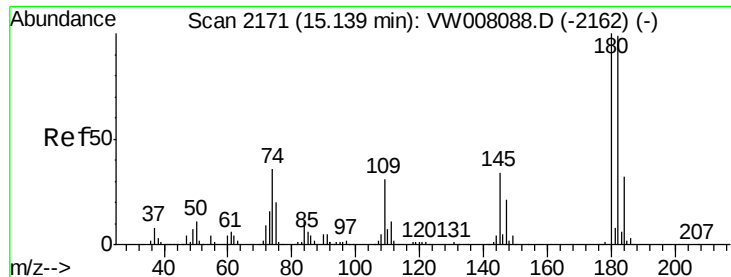


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

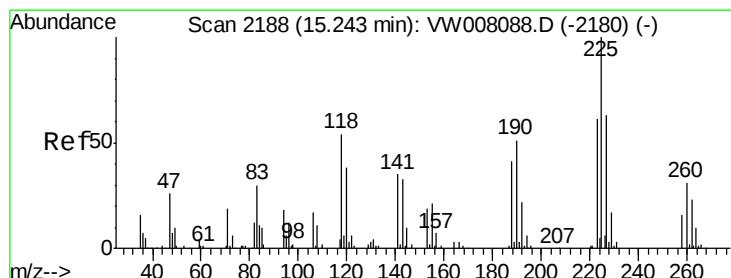
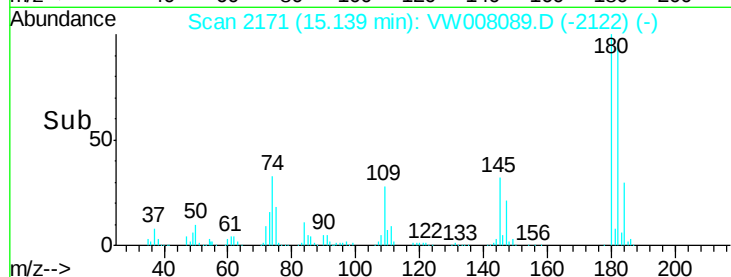
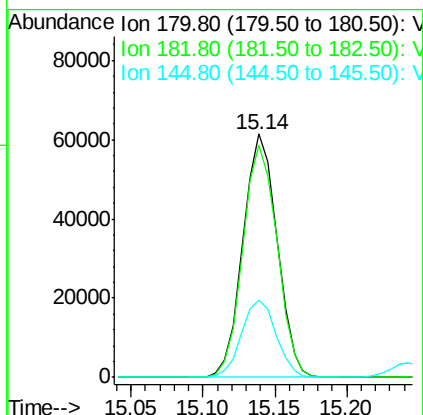
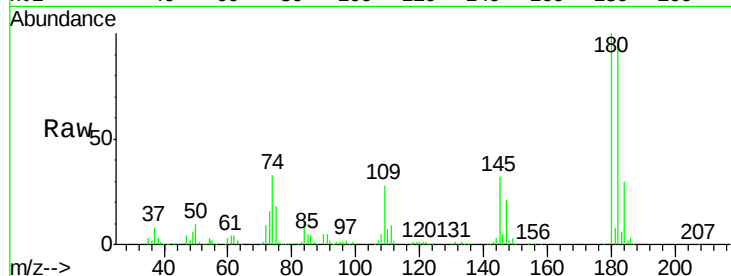




#93
 1,2,4-Trichlorobenzene
 Concen: 69.424 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW008089.D
 Acq: 08 Jan 2019 17:04

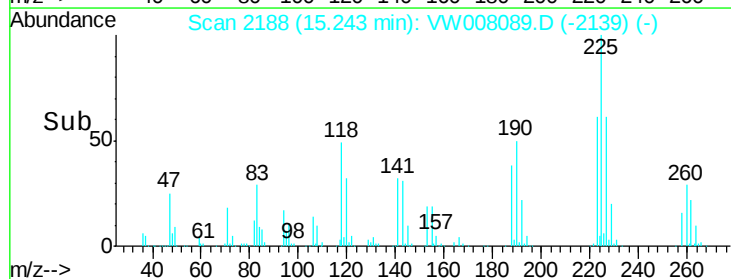
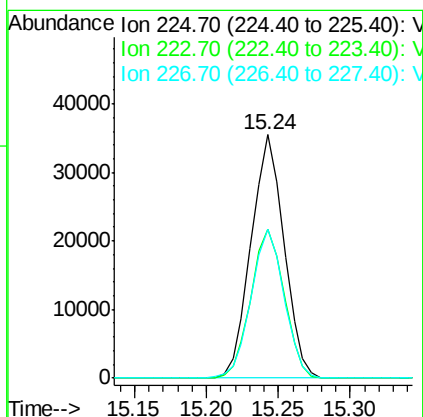
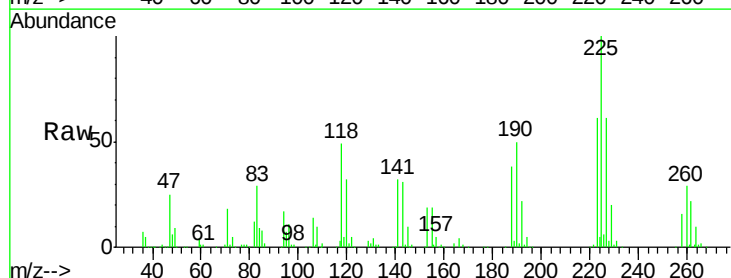
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

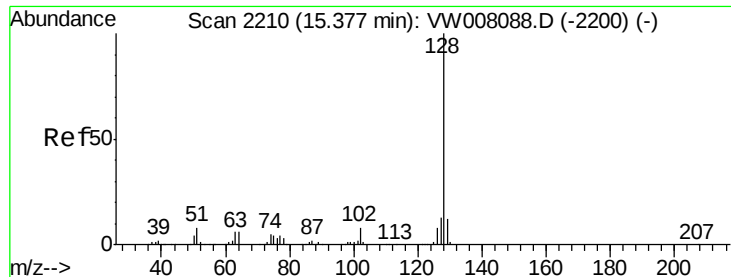
Tot Ion:180 Resp: 100940
 Ion Ratio Lower Upper
 180 100
 182 95.6 48.6 145.9
 145 32.4 16.6 49.7



#94
 Hexachlorobutadiene
 Concen: 67.346 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW008089.D
 Acq: 08 Jan 2019 17:04

Tgt Ion:225 Resp: 56125
 Ion Ratio Lower Upper
 225 100
 223 61.7 31.4 94.3
 227 61.1 32.0 96.2

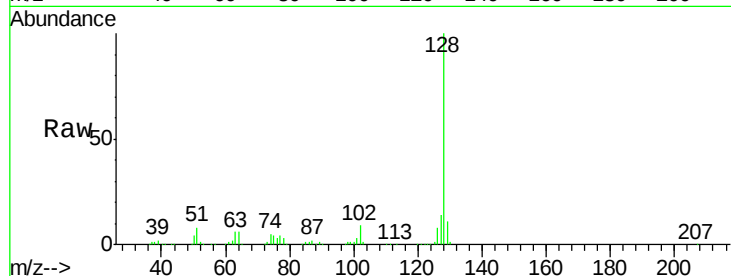




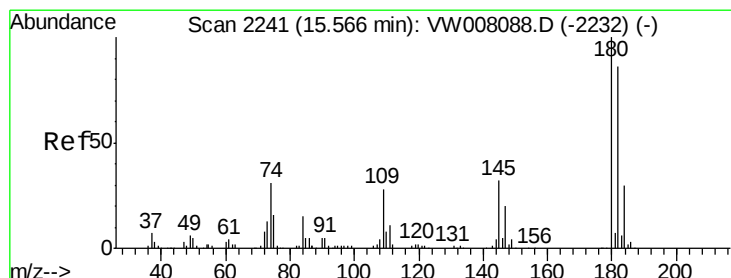
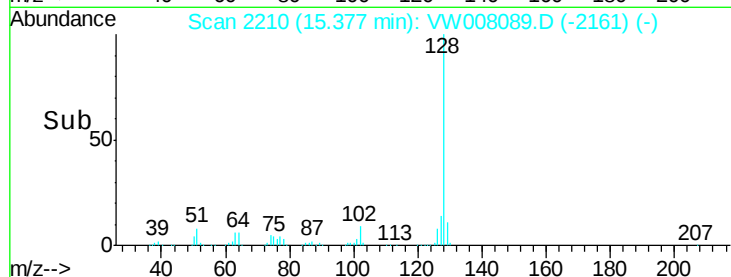
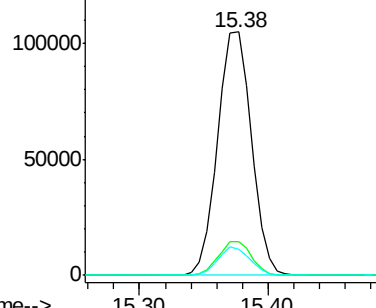
#95
Naphthalene
Concen: 75.720 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW008089.D
Acq: 08 Jan 2019 17:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

Tot Ion:128 Resp: 190827
Ion Ratio Lower Upper
128 100
127 13.7 11.0 16.4
129 11.0 9.0 13.6

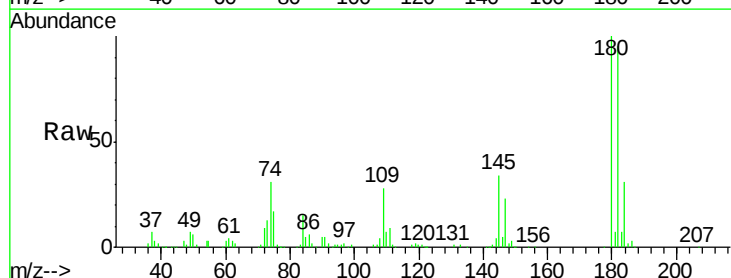


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 71.475 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW008089.D
Acq: 08 Jan 2019 17:04

Tgt Ion:180 Resp: 86464
Ion Ratio Lower Upper
180 100
182 94.8 46.5 139.3
145 34.0 17.4 52.2



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

