

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW031219\
 Data File : VW009137.D
 Acq On : 13 Mar 2019 05:47
 Operator : SY/VA
 Sample : VW0312SBS03
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBS03

Quant Time: Mar 13 07:01:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	238639	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	372719	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	355588	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	194181	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	144252	60.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.16%	
35) Dibromofluoromethane	7.88	113	121446	54.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.24%	
50) Toluene-d8	10.32	98	483777	52.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.98%	
62) 4-Bromofluorobenzene	12.62	95	178368	49.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.32%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	54720	22.753	ug/l	97
3) Chloromethane	2.21	50	73286	23.987	ug/l	98
4) Vinyl Chloride	2.36	62	68669	22.147	ug/l	99
5) Bromomethane	2.77	94	72329	27.635	ug/l	96
6) Chloroethane	2.91	64	53110	24.061	ug/l	100
7) Trichlorofluoromethane	3.25	101	85462	21.408	ug/l	100
8) Diethyl Ether	3.68	74	27971	22.915	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	51948	20.893	ug/l	98
10) Methyl Iodide	4.27	142	42488	17.937	ug/l	98
11) Tert butyl alcohol	5.21	59	19539	106.199	ug/l #	82
12) 1,1-Dichloroethene	4.04	96	45709	21.312	ug/l	97
13) Acrolein	3.90	56	16842	83.188	ug/l	97
14) Allyl chloride	4.67	41	79895	21.119	ug/l	96
15) Acrylonitrile	5.38	53	61183	114.842	ug/l	98
16) Acetone	4.14	43	53278	98.337	ug/l	99
17) Carbon Disulfide	4.38	76	154687	21.436	ug/l	99
18) Methyl Acetate	4.68	43	28502	22.877	ug/l	93
19) Methyl tert-butyl Ether	5.43	73	135431	23.871	ug/l	100
20) Methylene Chloride	4.92	84	62756	21.534	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	55643	22.469	ug/l	97
22) Diisopropyl ether	6.31	45	178911	23.797	ug/l	98
23) Vinyl Acetate	6.26	43	519555	111.051	ug/l	100
24) 1,1-Dichloroethane	6.21	63	99133	22.733	ug/l	99
25) 2-Butanone	7.18	43	79226	105.808	ug/l	100
26) 2,2-Dichloropropane	7.17	77	73336	18.502	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	59122	22.229	ug/l	98
28) Bromochloromethane	7.51	49	43098	23.761	ug/l	95
29) Tetrahydrofuran	7.53	42	54195	114.855	ug/l	98
30) Chloroform	7.67	83	102218	22.768	ug/l	93
31) Cyclohexane	7.95	56	92143	20.579	ug/l #	93
32) 1,1,1-Trichloroethane	7.87	97	91042	21.974	ug/l	98
36) 1,1-Dichloropropene	8.08	75	81579	20.933	ug/l	97
37) Ethyl Acetate	7.26	43	38168	20.850	ug/l	97
38) Carbon Tetrachloride	8.07	117	81785	20.320	ug/l	96

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 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	86802	18.700	ug/l	99
40) Benzene	8.32	78	220684	21.213	ug/l	100
41) Methacrylonitrile	7.49	41	22370	22.006	ug/l	91
42) 1,2-Dichloroethane	8.40	62	72641	21.628	ug/l	100
43) Isopropyl Acetate	8.43	43	72120	21.153	ug/l	98
44) Trichloroethene	9.09	130	61504	21.093	ug/l	94
45) 1,2-Dichloropropane	9.37	63	56483	21.678	ug/l	99
46) Dibromomethane	9.46	93	30542	21.463	ug/l	96
47) Bromodichloromethane	9.64	83	76284	21.177	ug/l	94
48) Methyl methacrylate	9.44	41	33236	20.936	ug/l	92
49) 1,4-Dioxane	9.48	88	8546	419.387	ug/l #	76
51) 4-Methyl-2-Pentanone	10.21	43	185750	107.318	ug/l	99
52) Toluene	10.38	92	144211	20.440	ug/l	96
53) t-1,3-Dichloropropene	10.60	75	70322	19.738	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	84268	20.583	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	41638	21.588	ug/l	91
56) Ethyl methacrylate	10.65	69	48300	20.178	ug/l	97
57) 1,3-Dichloropropane	10.93	76	75475	22.090	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	135010	108.798	ug/l	99
59) 2-Hexanone	10.97	43	122187	100.407	ug/l	98
60) Dibromochloromethane	11.13	129	51817	21.709	ug/l	98
61) 1,2-Dibromoethane	11.24	107	39677	20.984	ug/l	99
64) Tetrachloroethene	10.87	164	59664	23.267	ug/l	96
65) Chlorobenzene	11.66	112	156324	20.197	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	54563	21.113	ug/l	98
67) Ethyl Benzene	11.73	91	275901	19.732	ug/l	99
68) m/p-Xylenes	11.84	106	220468	39.947	ug/l	100
69) o-Xylene	12.16	106	103750	20.204	ug/l	97
70) Styrene	12.18	104	167007	20.101	ug/l	99
71) Bromoform	12.35	173	30193	21.759	ug/l #	97
73) Isopropylbenzene	12.46	105	275766	19.831	ug/l	99
74) N-amyl acetate	12.27	43	66773	20.284	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	48362	22.048	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	63191	41.188	ug/l	19
77) Bromobenzene	12.75	156	65416	20.589	ug/l	99
78) n-propylbenzene	12.80	91	335492	19.587	ug/l	100
79) 2-Chlorotoluene	12.89	91	193481	20.105	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	236002	19.689	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	12883	18.782	ug/l	97
82) 4-Chlorotoluene	12.99	91	202822	19.772	ug/l	98
83) tert-Butylbenzene	13.21	119	208680	20.643	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	241438	19.912	ug/l	99
85) sec-Butylbenzene	13.38	105	289369	19.320	ug/l	99
86) p-Isopropyltoluene	13.50	119	252317	18.831	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	132265	19.808	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	131045	19.859	ug/l	100
89) n-Butylbenzene	13.83	91	229389	18.009	ug/l	99
90) Hexachloroethane	14.10	117	47167	20.411	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	118286	20.078	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8386	21.466	ug/l	94

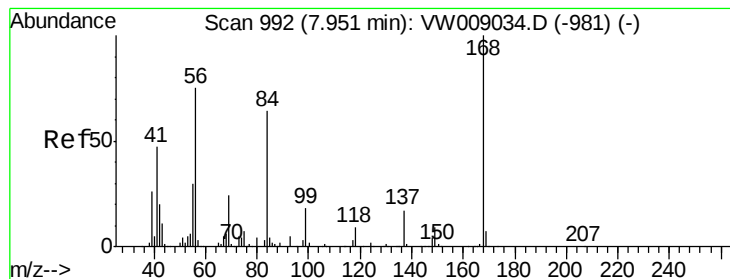
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW031219\
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Quant Title : SW846 8260
QLast Update : Fri Mar 08 05:22:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	74419	18.705	ug/l	97
94) Hexachlorobutadiene	15.24	225	45940	18.435	ug/l	98
95) Naphthalene	15.37	128	126163	19.372	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	66915	19.127	ug/l	99

(#) = 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. 0.00 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

Instrument :

MSVOA_W

ClientSampleId :

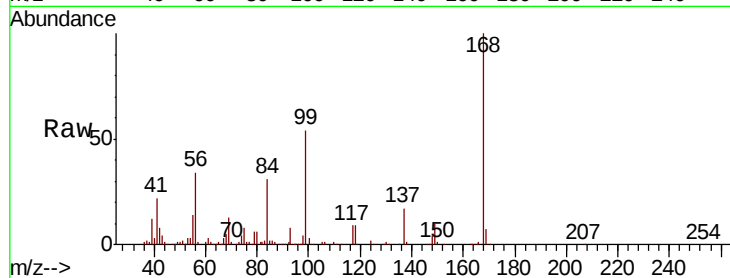
VW0312SBS03

Tgt Ion:168 Resp: 238639

Ion Ratio Lower Upper

168 100

99 53.9 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

60000

40000

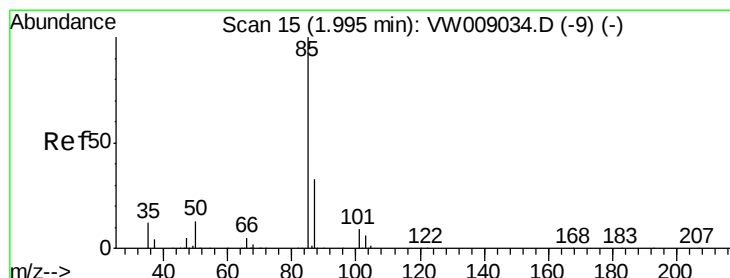
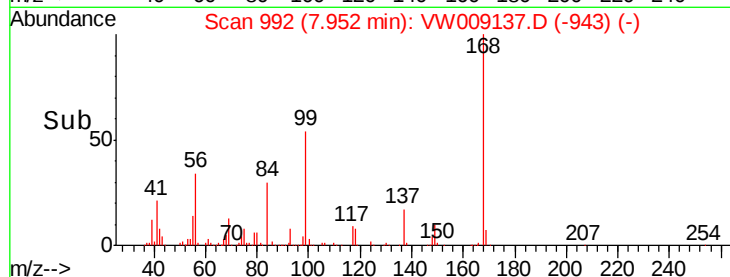
20000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 22.753 ug/l

RT: 2.00 min Scan# 15

Delta R.T. 0.00 min

Lab File: VW009137.D

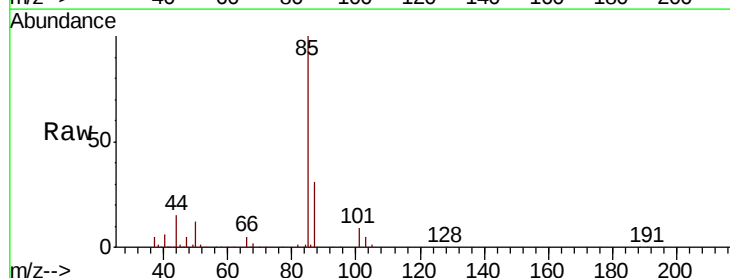
Acq: 13 Mar 2019 05:47

Tgt Ion: 85 Resp: 54720

Ion Ratio Lower Upper

85 100

87 30.9 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

40000

30000

20000

10000

0

1.90

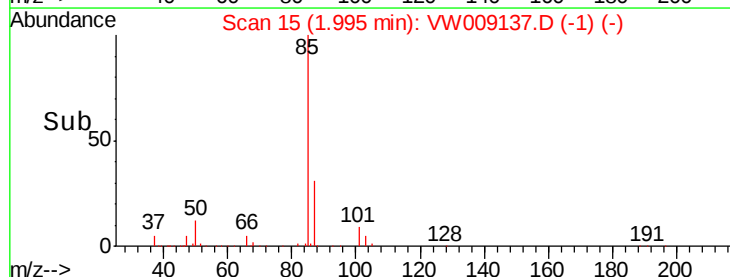
1.95

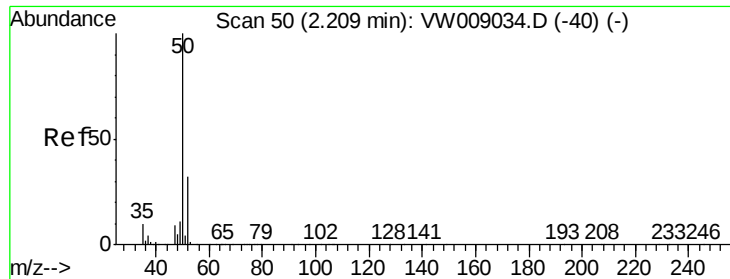
2.00

2.05

2.10

Time-->





#3

Chloromethane

Concen: 23.987 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

Instrument :

MSVOA_W

ClientSampleId :

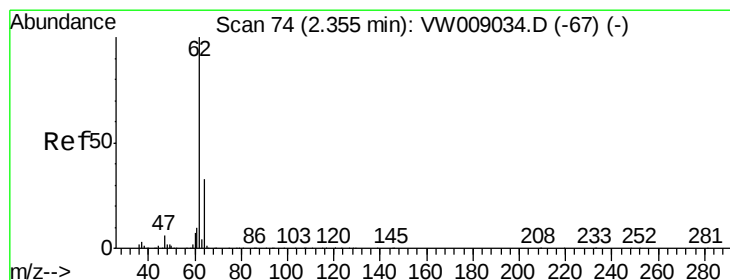
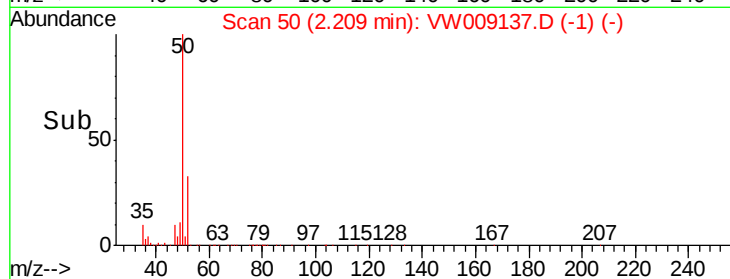
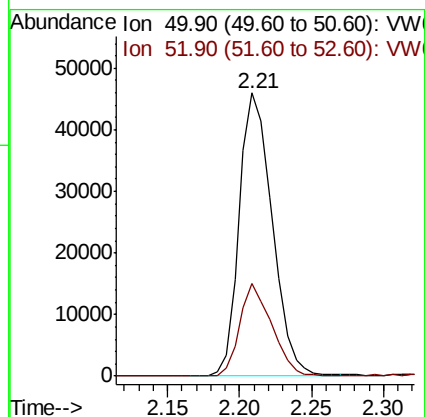
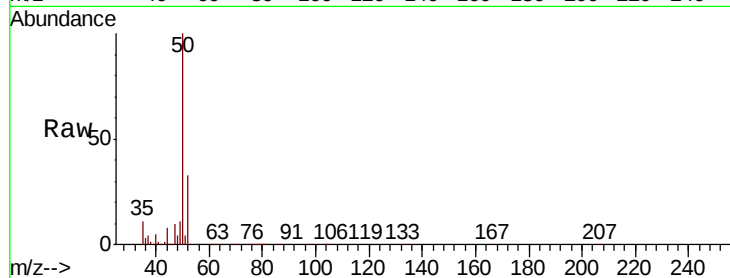
VW0312SBS03

Tgt Ion: 50 Resp: 73286

Ion Ratio Lower Upper

50 100

52 32.9 25.4 38.2



#4

Vinyl Chloride

Concen: 22.147 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW009137.D

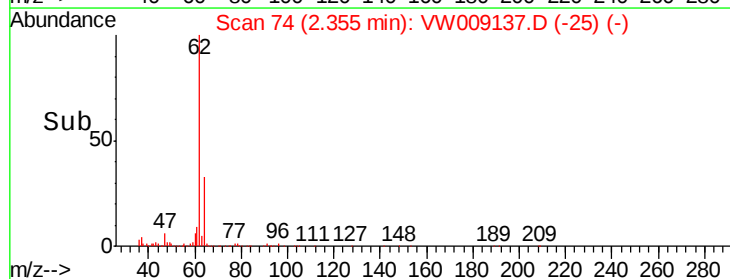
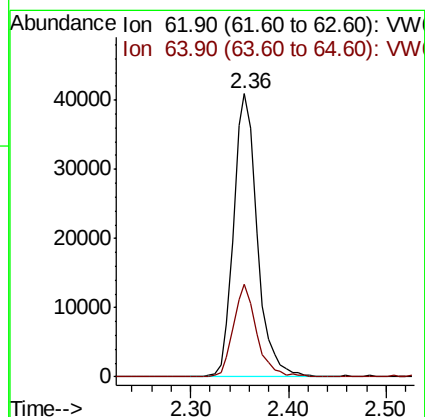
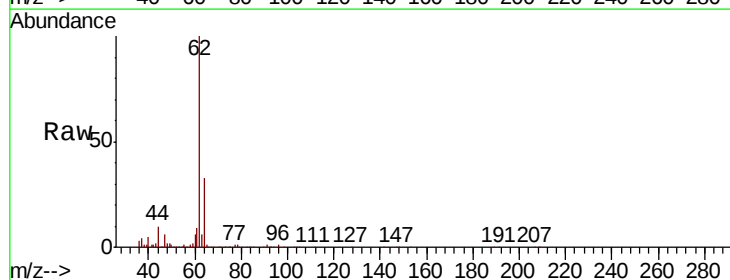
Acq: 13 Mar 2019 05:47

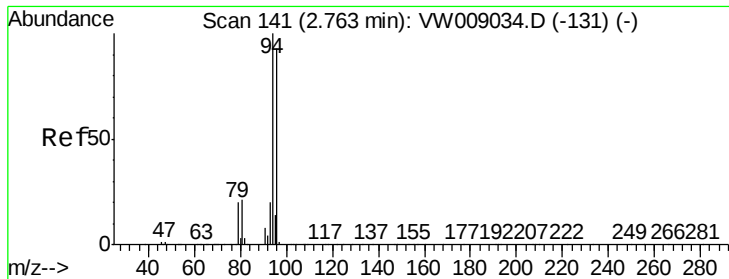
Tgt Ion: 62 Resp: 68669

Ion Ratio Lower Upper

62 100

64 32.9 26.0 39.0





#5

Bromomethane

Concen: 27.635 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.01 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

Instrument :

MSVOA_W

ClientSampleId :

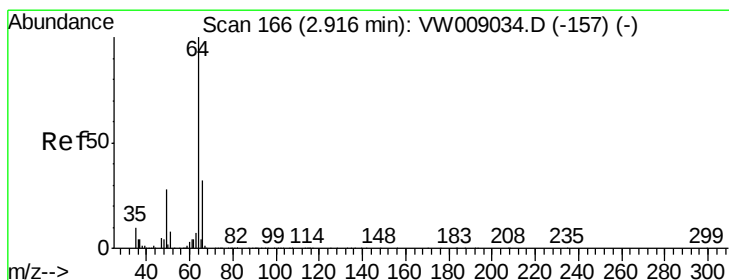
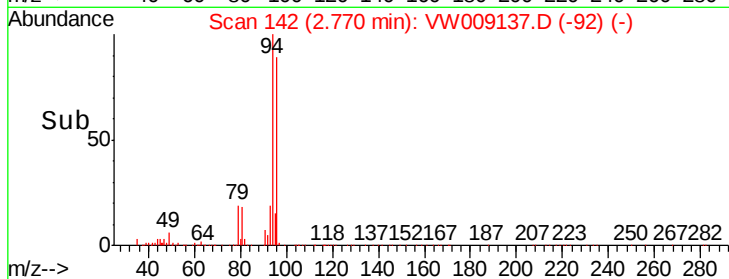
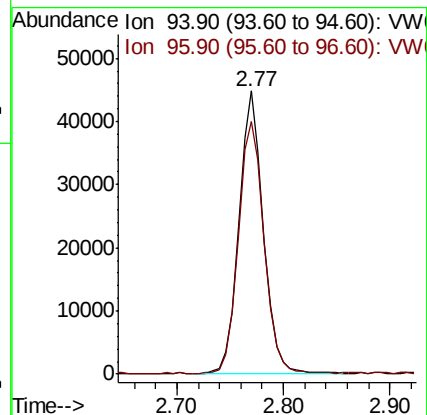
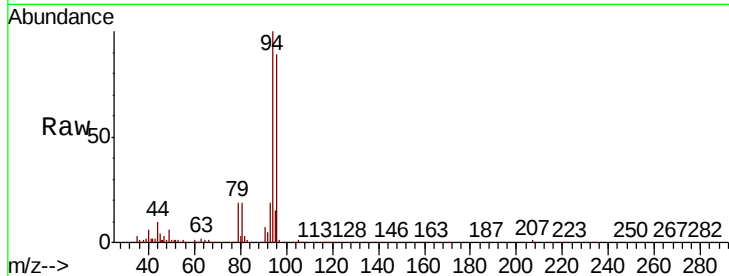
VW0312SBS03

Tgt Ion: 94 Resp: 72329

Ion Ratio Lower Upper

94 100

96 89.0 74.4 111.6



#6

Chloroethane

Concen: 24.061 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW009137.D

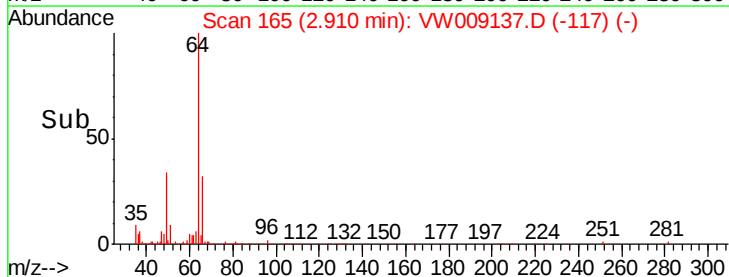
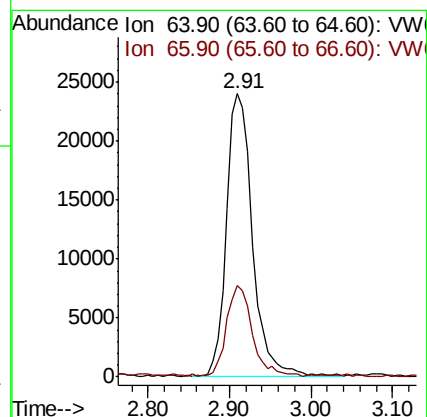
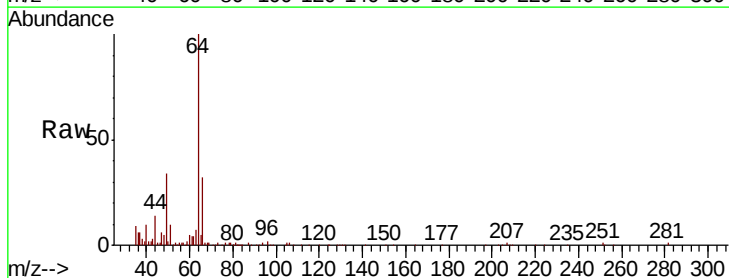
Acq: 13 Mar 2019 05:47

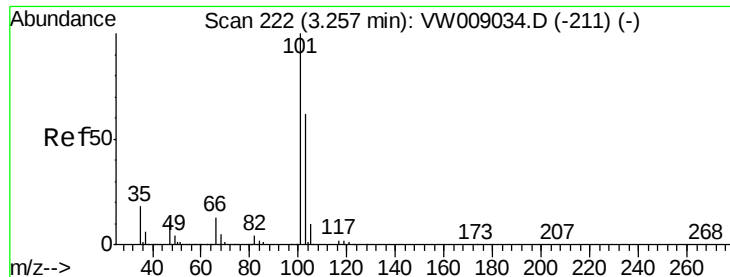
Tgt Ion: 64 Resp: 53110

Ion Ratio Lower Upper

64 100

66 32.0 25.5 38.3



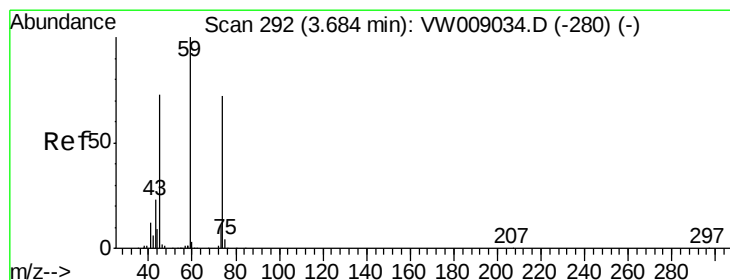
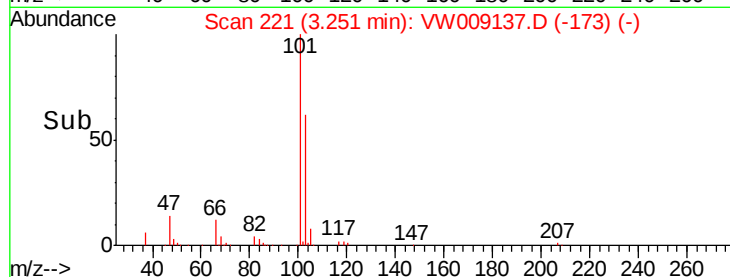
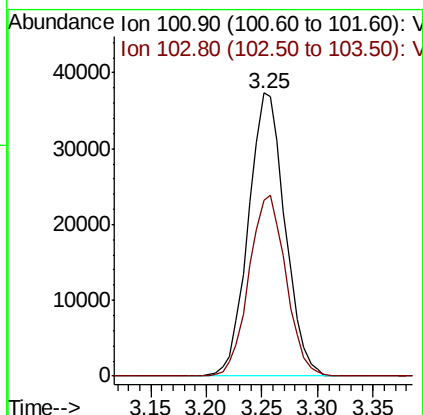
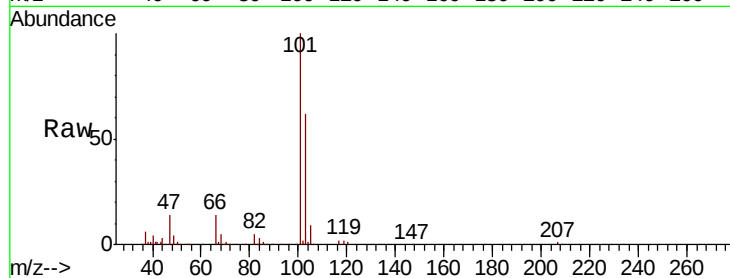


#7

Trichlorofluoromethane
 Concen: 21.408 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW009137.D
 Acq: 13 Mar 2019 05:47

Instrument :
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 ClientSampleId :
 VW0312SBS03

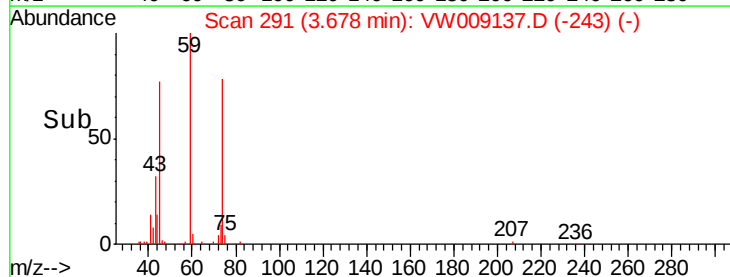
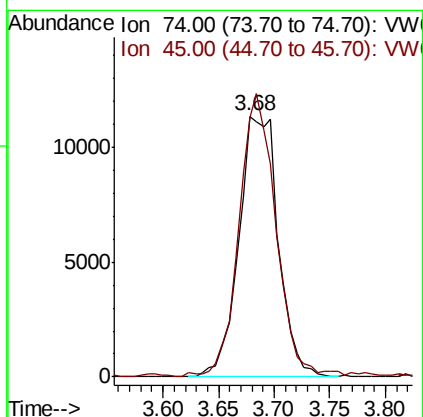
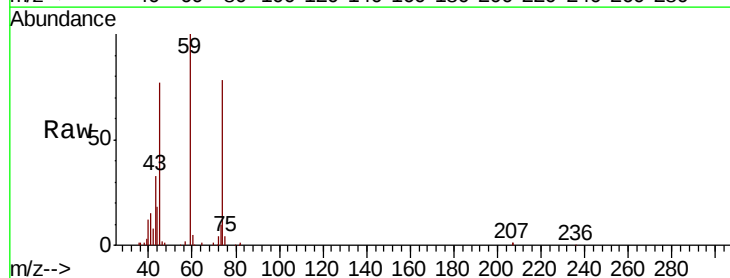
Tgt Ion:101 Resp: 85462
 Ion Ratio Lower Upper
 101 100
 103 62.2 49.9 74.9

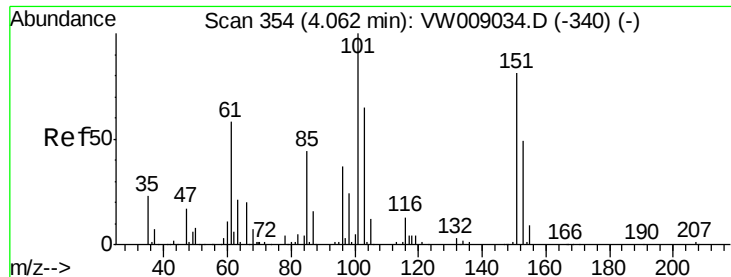


#8

Diethyl Ether
 Concen: 22.915 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW009137.D
 Acq: 13 Mar 2019 05:47

Tgt Ion: 74 Resp: 27971
 Ion Ratio Lower Upper
 74 100
 45 101.6 52.3 157.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.893 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS03

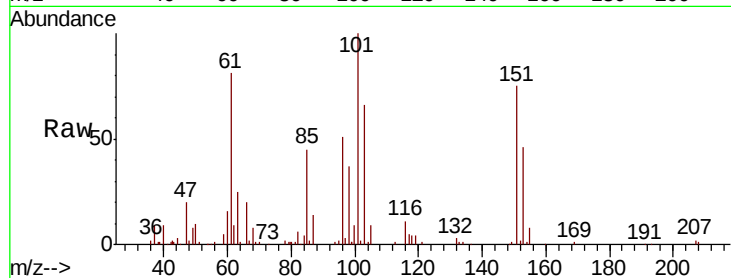
Tgt Ion:101 Resp: 51948

Ion Ratio Lower Upper

101 100

85 47.0 36.2 54.4

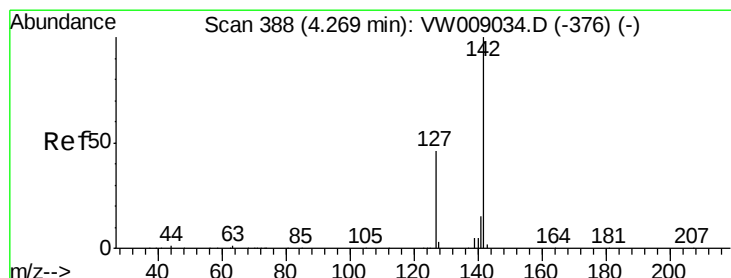
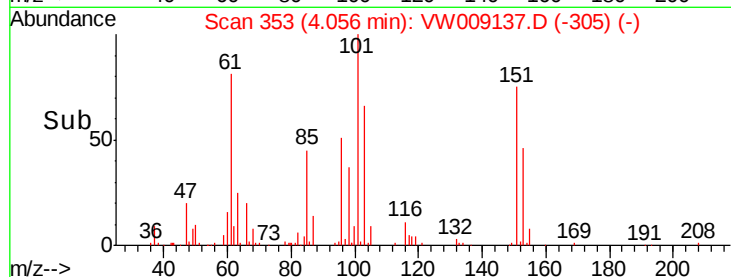
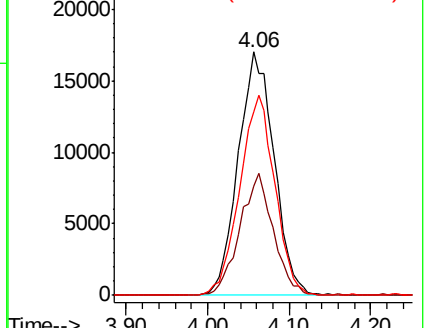
151 80.5 63.4 95.2



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: 17.937 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

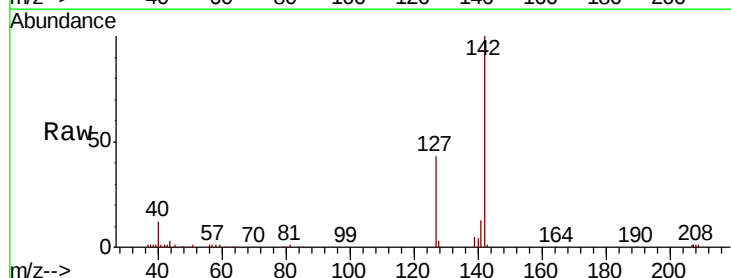
Tgt Ion:142 Resp: 42488

Ion Ratio Lower Upper

142 100

127 43.4 35.8 53.6

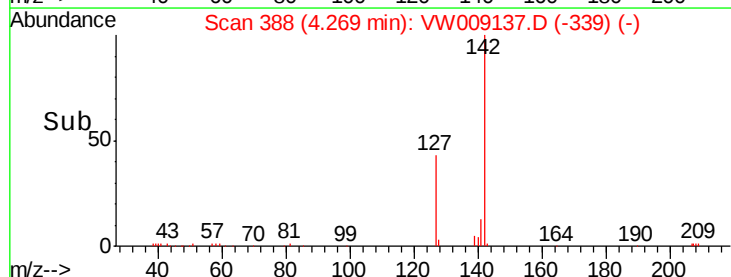
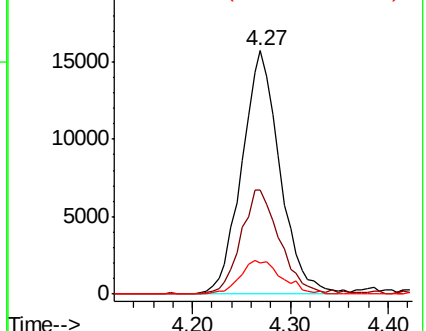
141 15.1 11.8 17.8

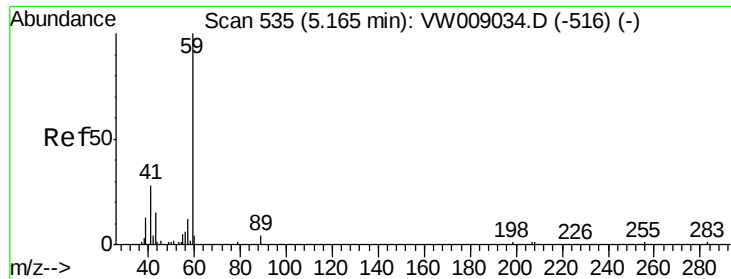


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

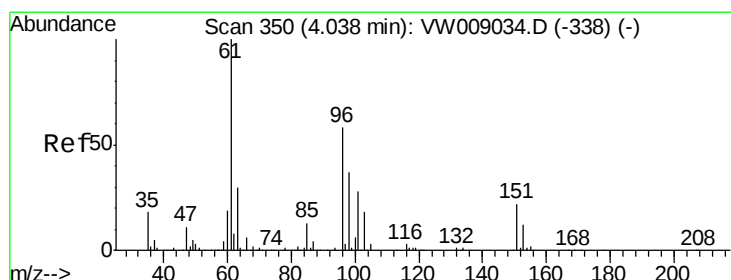
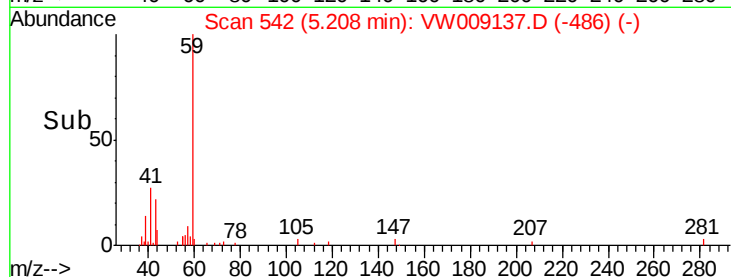
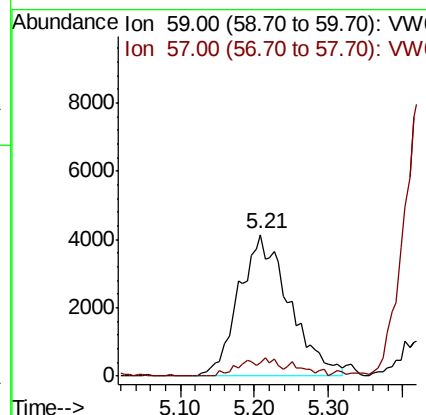
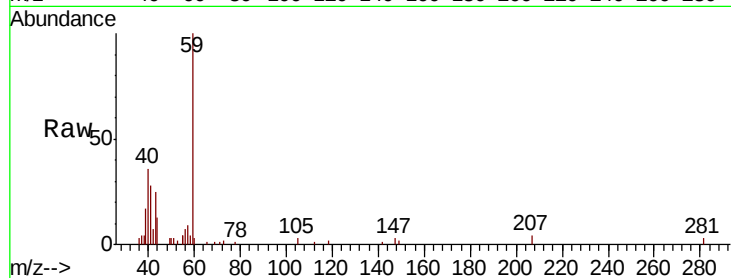




#11
Tert butyl alcohol
Concen: 106.199 ug/l
RT: 5.21 min Scan# 542
Delta R.T. 0.04 min
Lab File: VW009137.D
Acq: 13 Mar 2019 05:47

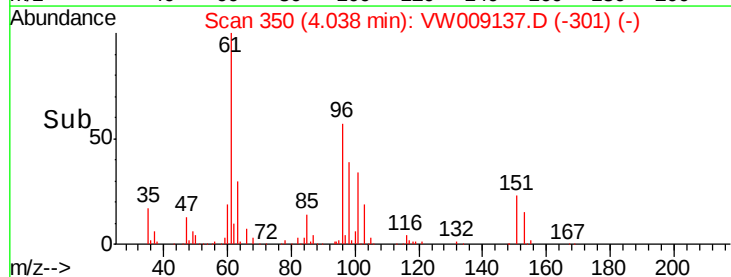
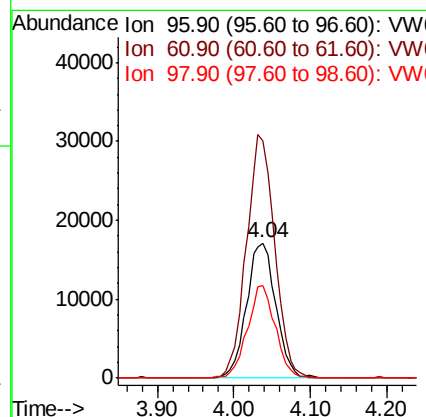
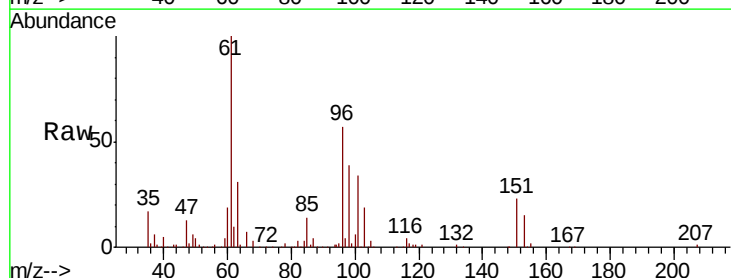
Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS03

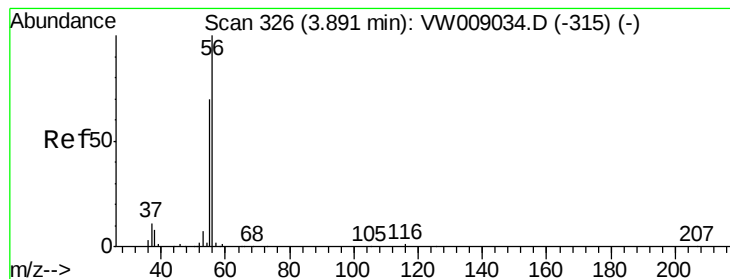
Tgt Ion: 59 Resp: 19539
Ion Ratio Lower Upper
59 100
57 3.9 8.6 12.8#



#12
1,1-Dichloroethene
Concen: 21.312 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW009137.D
Acq: 13 Mar 2019 05:47

Tgt Ion: 96 Resp: 45709
Ion Ratio Lower Upper
96 100
61 175.9 138.2 207.2
98 68.3 51.3 76.9





#13

Acrolein

Concen: 83.188 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.01 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

Instrument :

MSVOA_W

ClientSampleId :

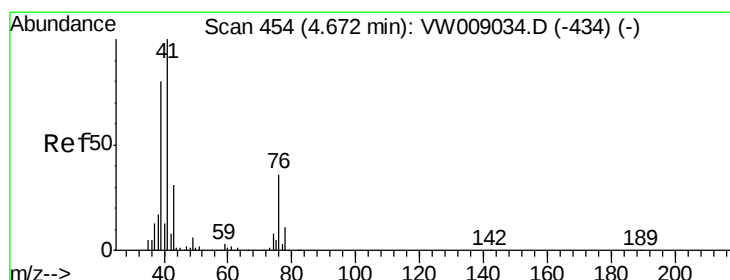
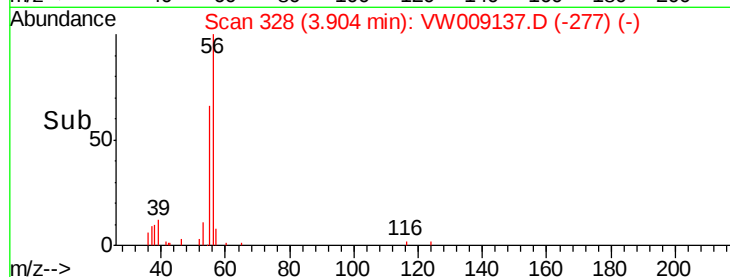
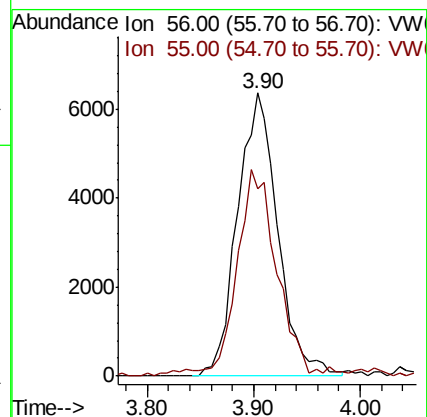
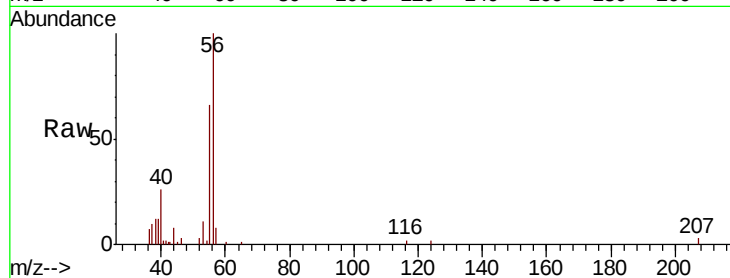
VW0312SBS03

Tgt Ion: 56 Resp: 16842

Ion Ratio Lower Upper

56 100

55 72.9 56.6 84.8



#14

Allyl chloride

Concen: 21.119 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

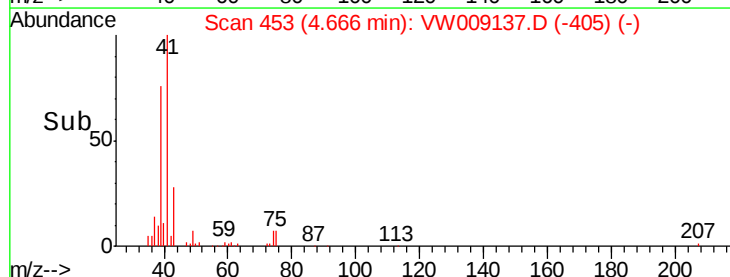
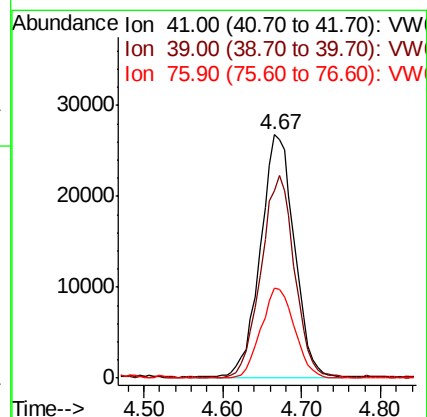
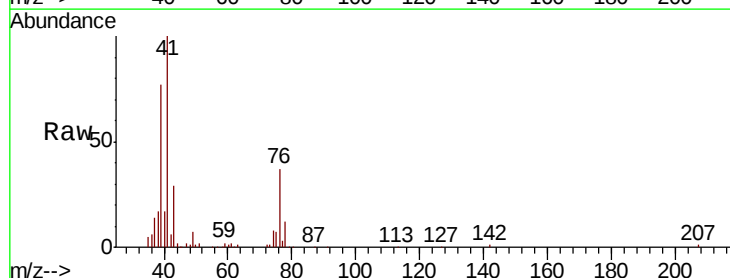
Tgt Ion: 41 Resp: 79895

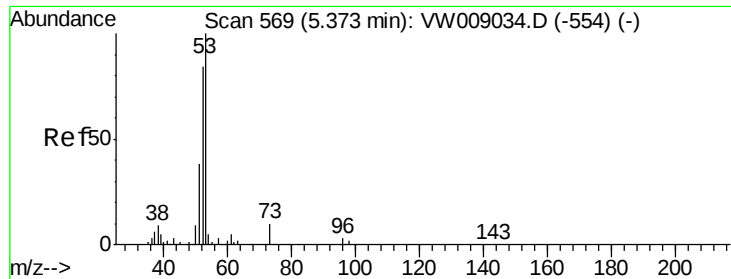
Ion Ratio Lower Upper

41 100

39 82.8 63.0 94.4

76 36.6 28.2 42.2





#15

Acrylonitrile

Concen: 114.842 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.01 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS03

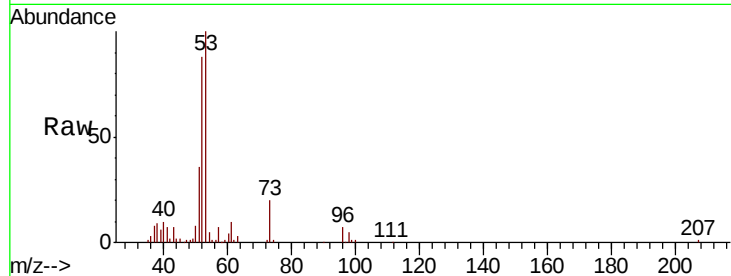
Tgt Ion: 53 Resp: 61183

Ion Ratio Lower Upper

53 100

52 82.3 67.2 100.8

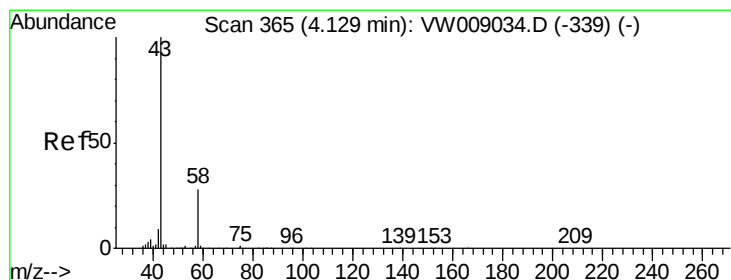
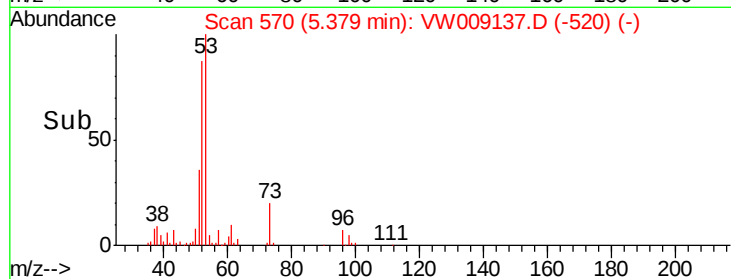
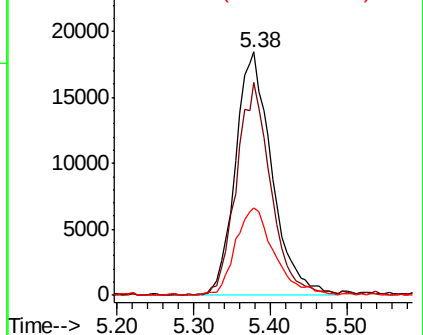
51 38.3 31.8 47.6



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 98.337 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW009137.D

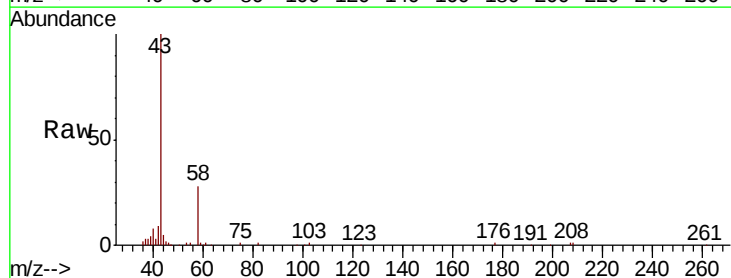
Acq: 13 Mar 2019 05:47

Tgt Ion: 43 Resp: 53278

Ion Ratio Lower Upper

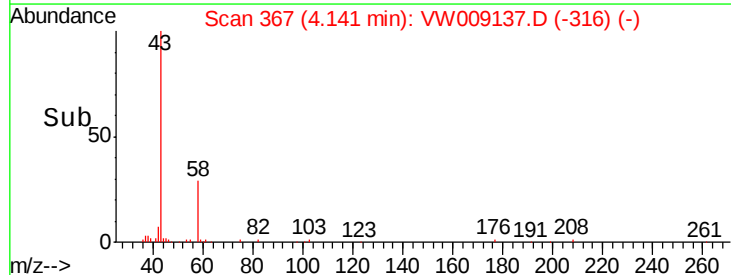
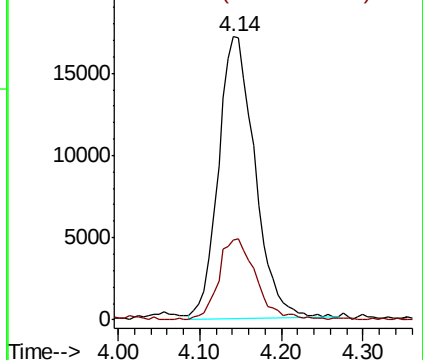
43 100

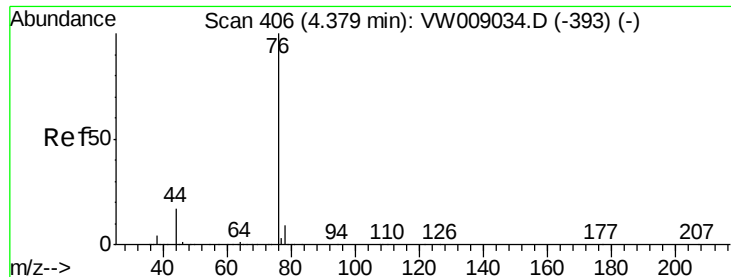
58 28.5 22.5 33.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 21.436 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

Instrument :

MSVOA_W

ClientSampleId :

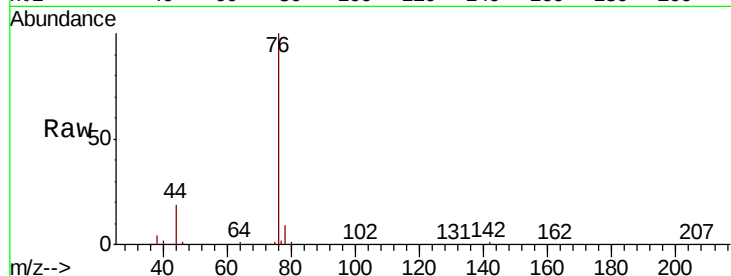
VW0312SBS03

Tgt Ion: 76 Resp: 154687

Ion Ratio Lower Upper

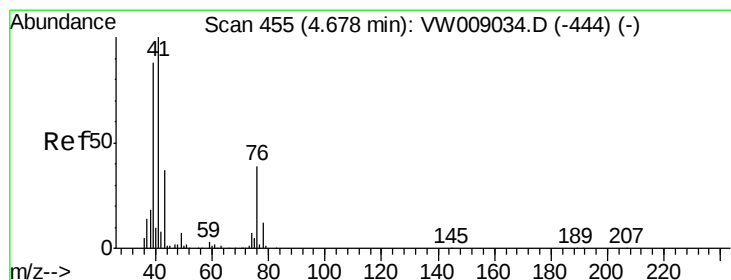
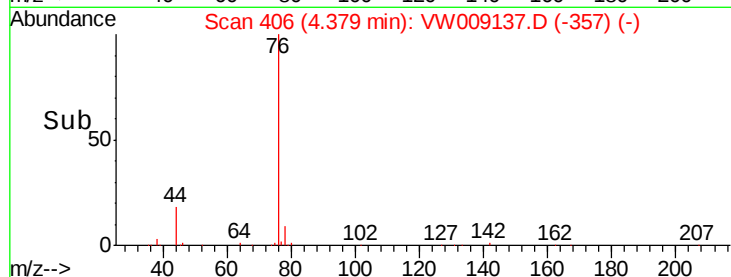
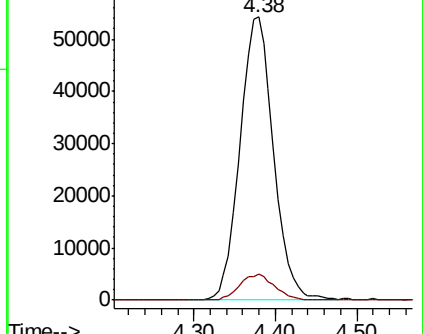
76 100

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: 22.877 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW009137.D

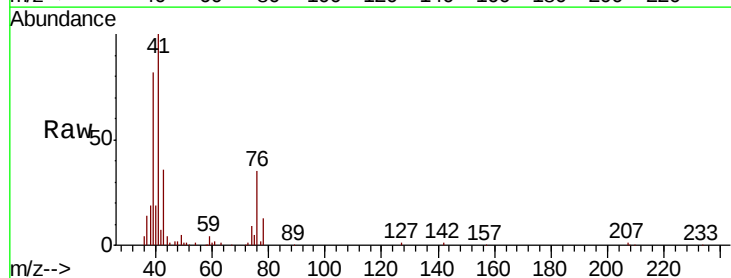
Acq: 13 Mar 2019 05:47

Tgt Ion: 43 Resp: 28502

Ion Ratio Lower Upper

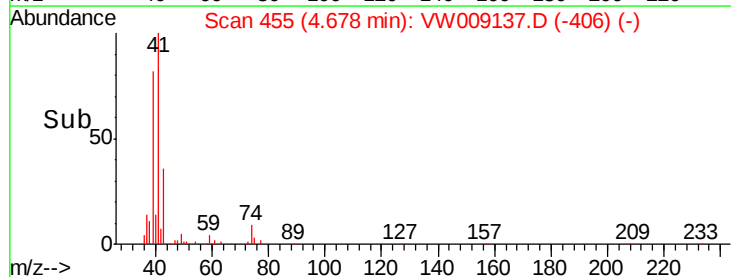
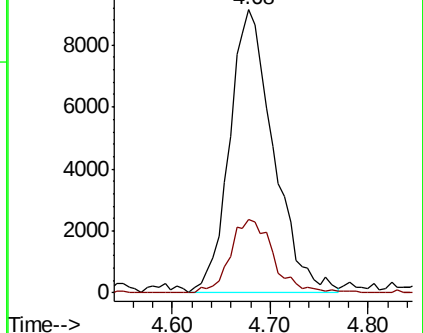
43 100

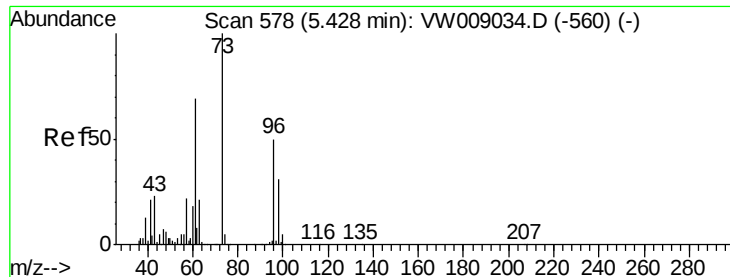
74 25.4 17.6 26.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



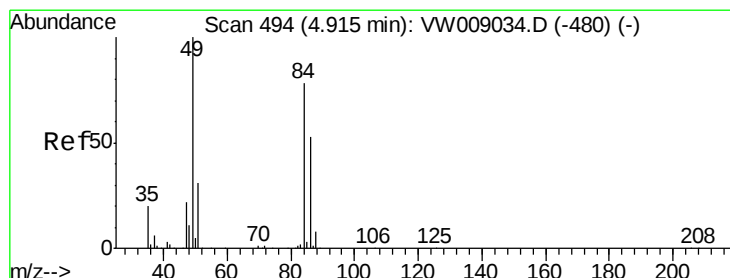
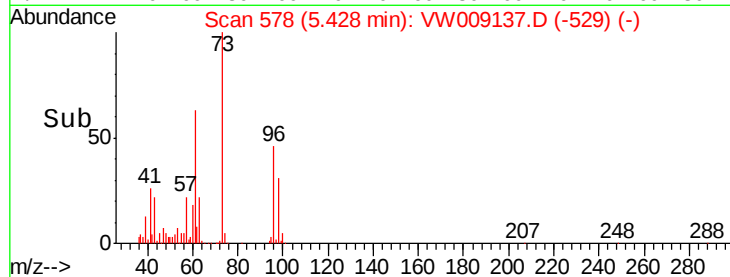
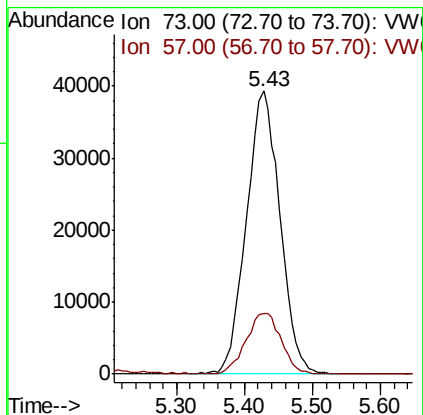
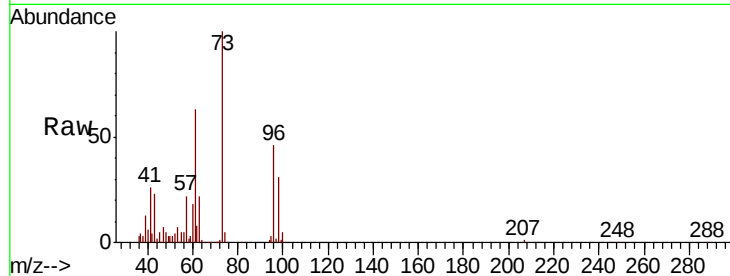


#19

Methyl tert-butyl Ether
 Concen: 23.871 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. 0.00 min
 Lab File: VW009137.D
 Acq: 13 Mar 2019 05:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBS03

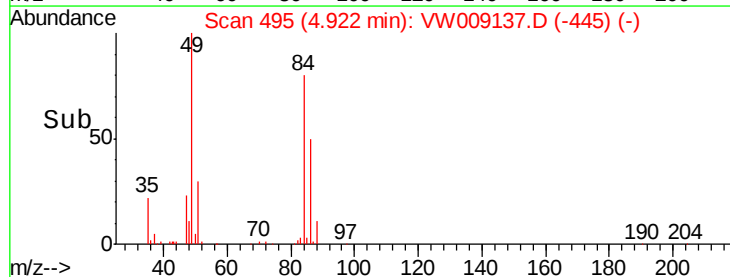
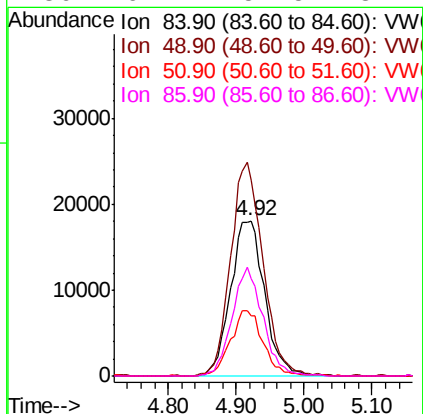
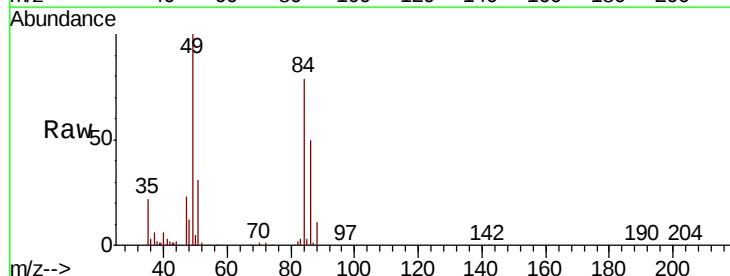
Tgt Ion: 73 Resp: 135431
 Ion Ratio Lower Upper
 73 100
 57 21.7 17.3 25.9

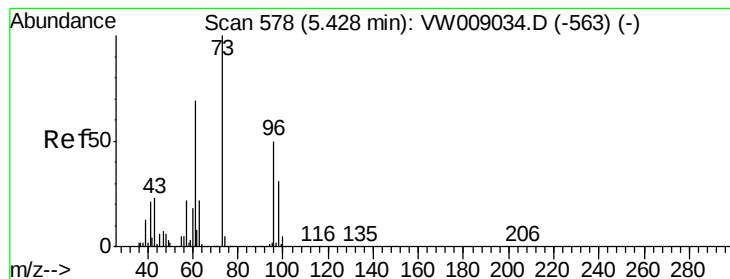


#20

Methylene Chloride
 Concen: 21.534 ug/l
 RT: 4.92 min Scan# 495
 Delta R.T. 0.01 min
 Lab File: VW009137.D
 Acq: 13 Mar 2019 05:47

Tgt Ion: 84 Resp: 62756
 Ion Ratio Lower Upper
 84 100
 49 126.3 102.4 153.6
 51 38.2 31.6 47.4
 86 62.7 54.5 81.7





#21

trans-1,2-Dichloroethene

Concen: 22.469 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS03

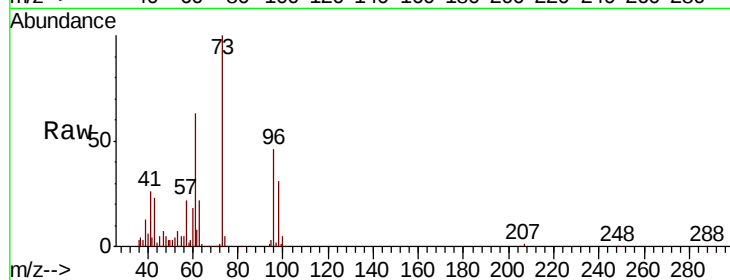
Tgt Ion: 96 Resp: 55643

Ion Ratio Lower Upper

96 100

61 137.9 111.0 166.6

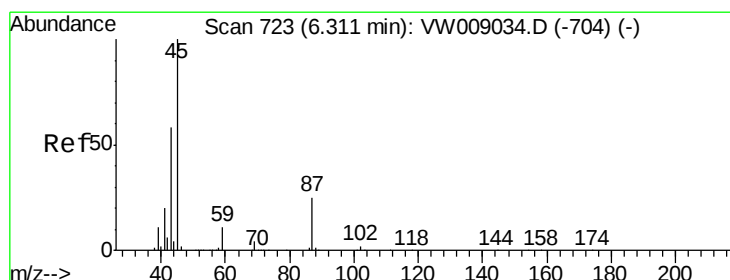
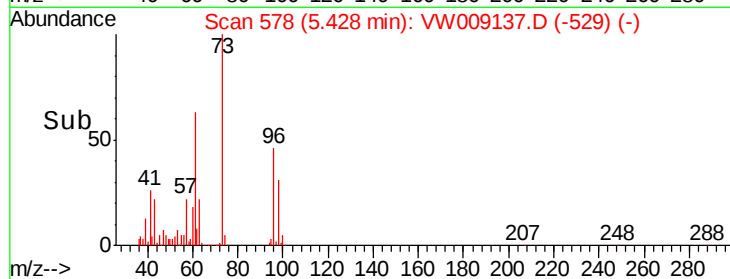
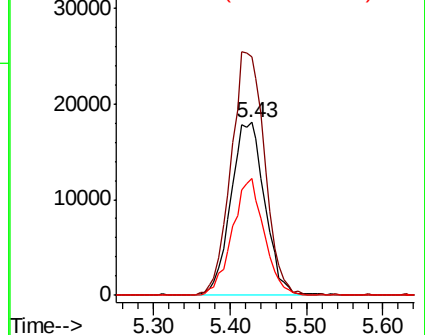
98 67.4 49.4 74.0



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 23.797 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

Tgt Ion: 45 Resp: 178911

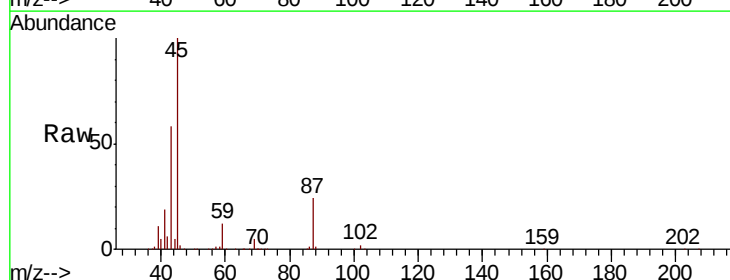
Ion Ratio Lower Upper

45 100

43 56.8 46.2 69.4

87 23.5 20.1 30.1

59 11.6 8.4 12.6

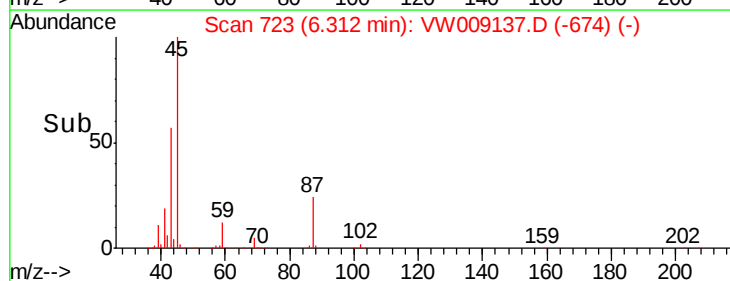
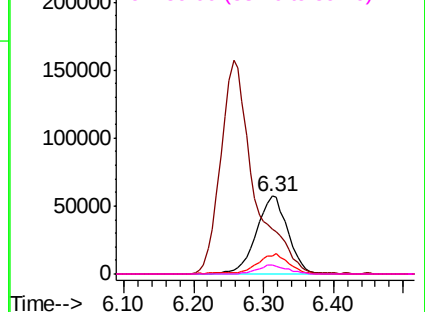


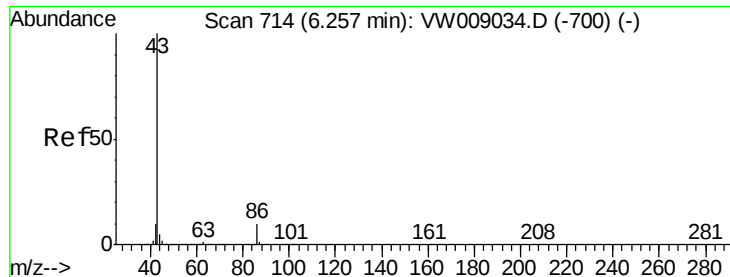
Abundance Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 111.051 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

Instrument :

MSVOA_W

ClientSampleId :

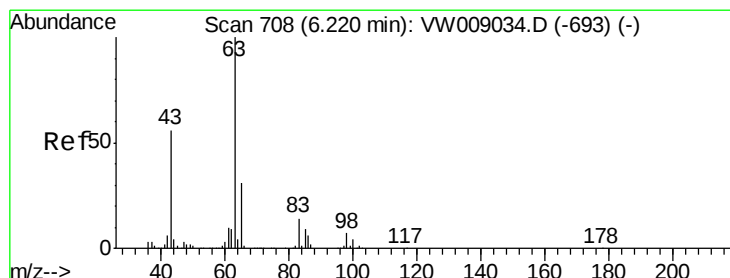
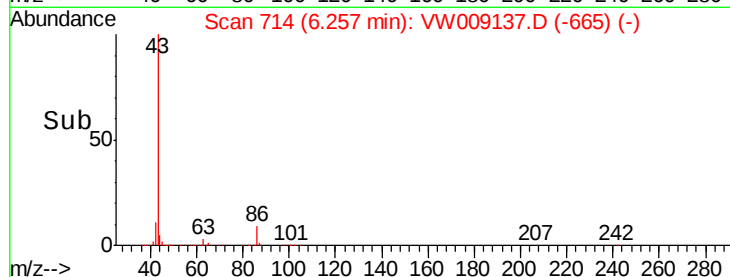
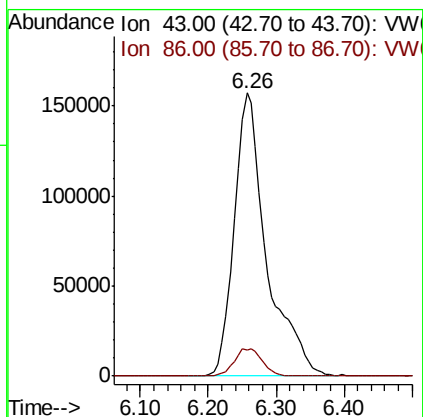
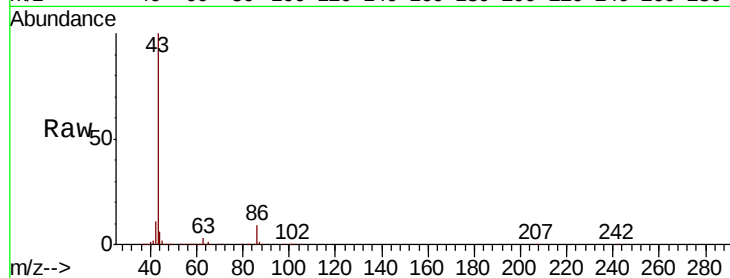
VW0312SBS03

Tgt Ion: 43 Resp: 519555

Ion Ratio Lower Upper

43 100

86 9.4 7.6 11.4



#24

1,1-Dichloroethane

Concen: 22.733 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

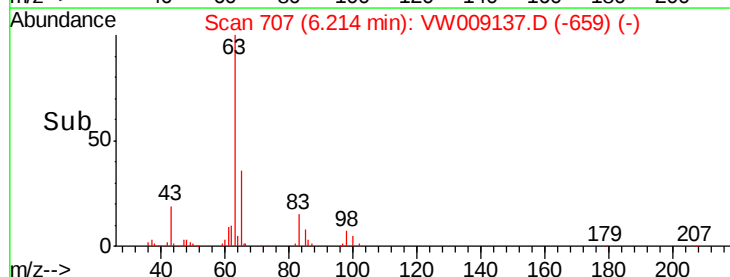
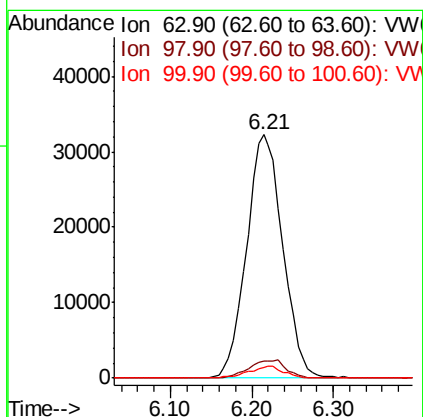
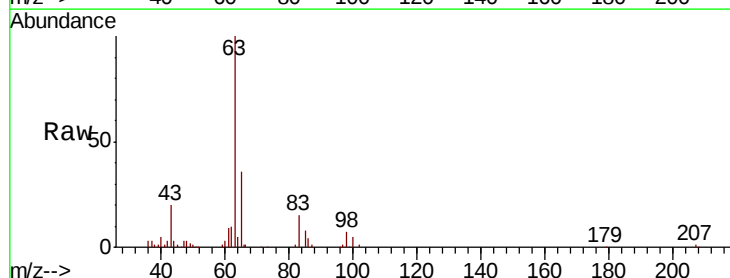
Tgt Ion: 63 Resp: 99133

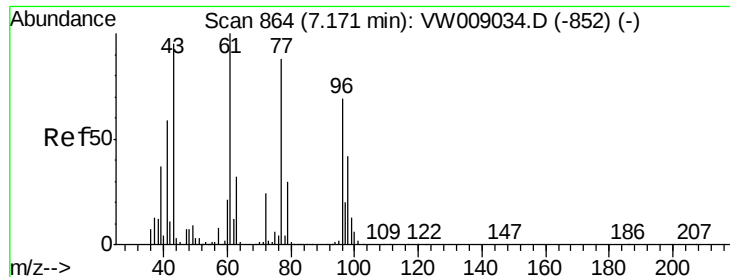
Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.2

100 4.5 2.1 6.2





#25

2-Butanone

Concen: 105.808 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

Instrument :

MSVOA_W

ClientSampleId :

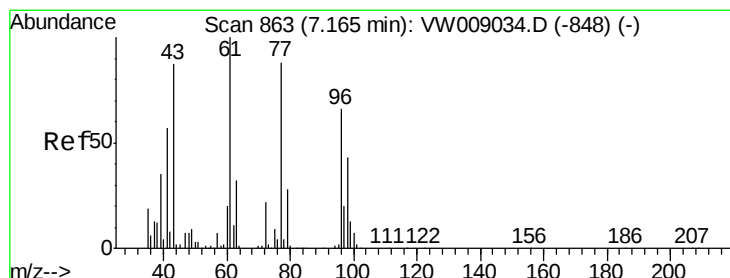
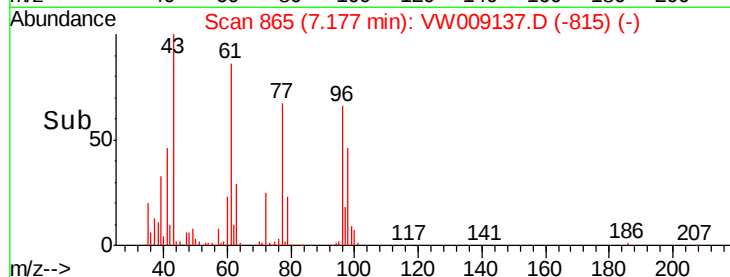
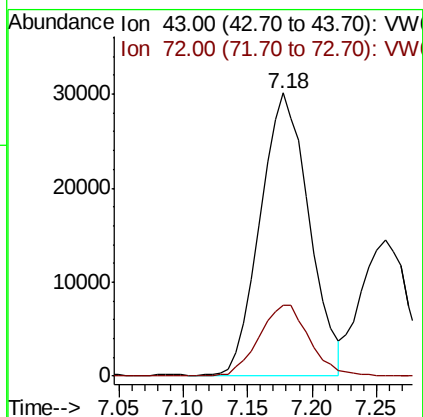
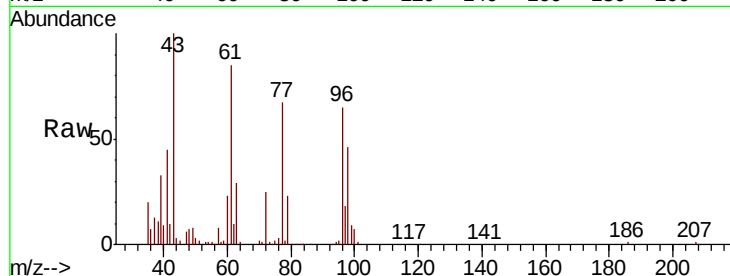
VW0312SBS03

Tgt Ion: 43 Resp: 79226

Ion Ratio Lower Upper

43 100

72 25.0 20.0 30.0



#26

2,2-Dichloropropane

Concen: 18.502 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW009137.D

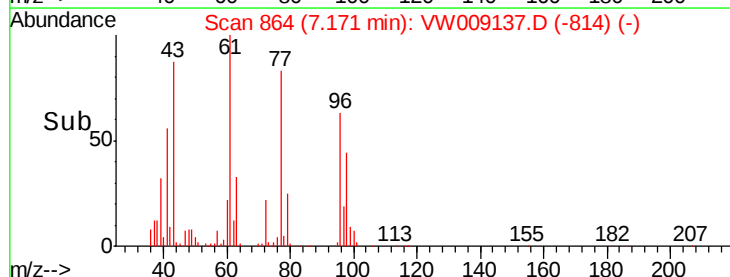
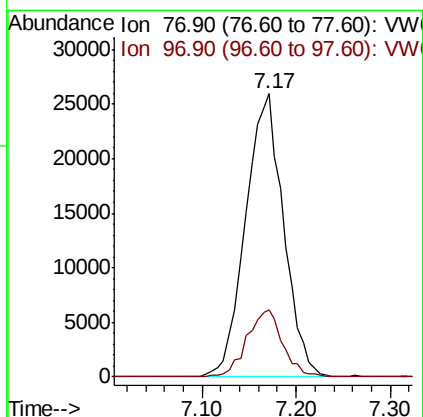
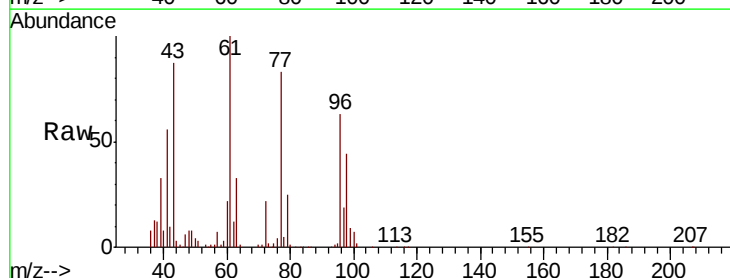
Acq: 13 Mar 2019 05:47

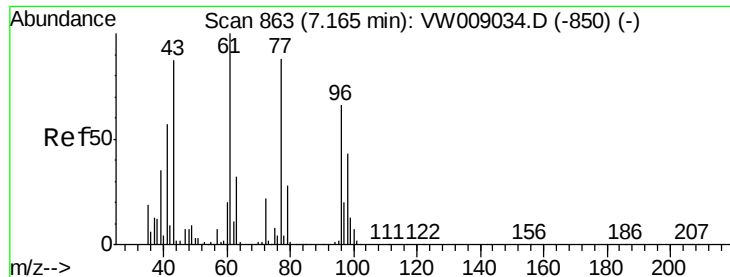
Tgt Ion: 77 Resp: 73336

Ion Ratio Lower Upper

77 100

97 22.3 10.9 32.9



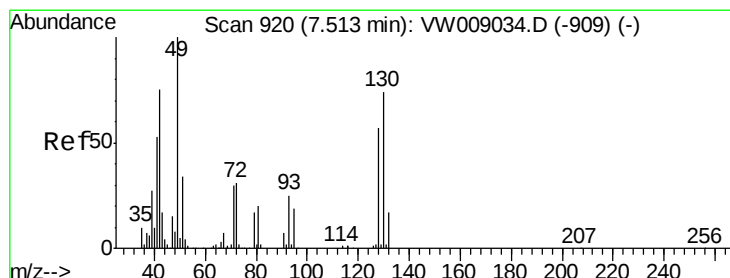
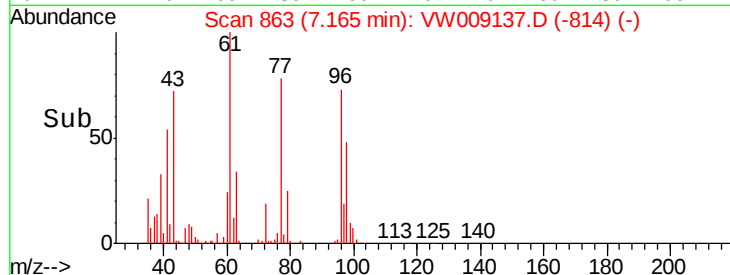
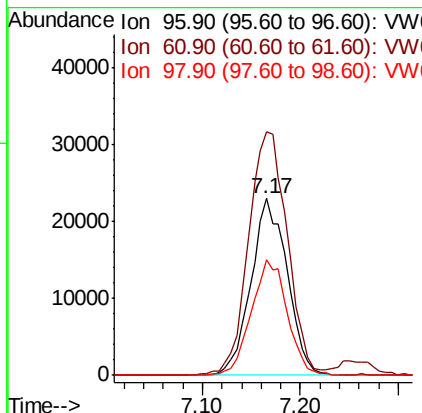
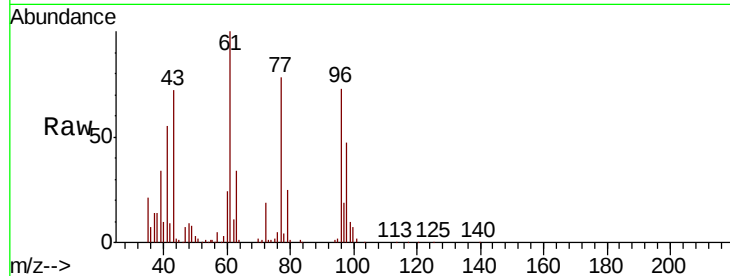


#27

cis-1,2-Dichloroethene
Concen: 22.229 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW009137.D
Acq: 13 Mar 2019 05:47

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS03

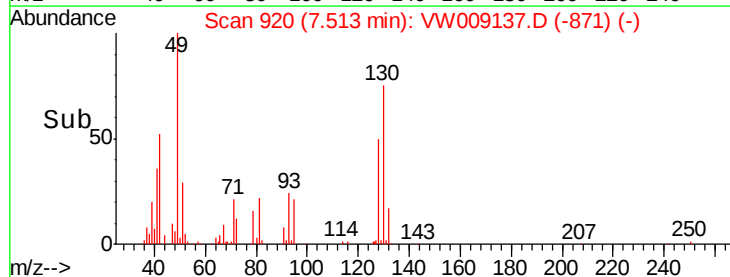
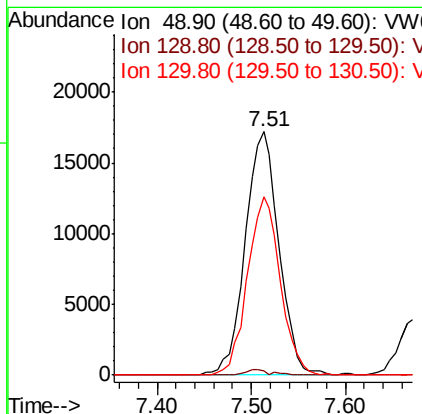
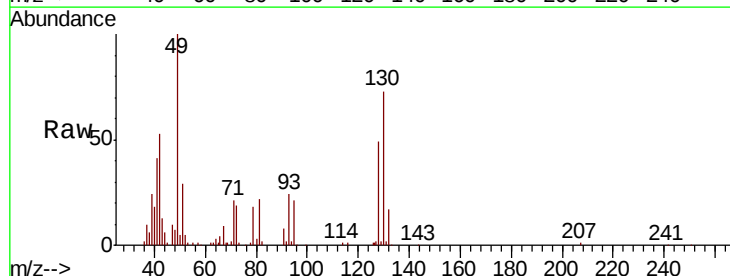
Tgt Ion: 96 Resp: 59122
Ion Ratio Lower Upper
96 100
61 147.2 0.0 299.8
98 64.5 0.0 127.2

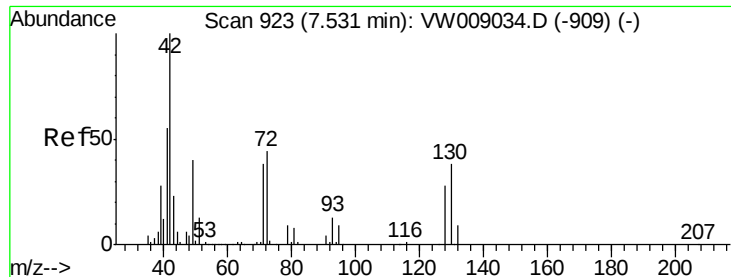


#28

Bromochloromethane
Concen: 23.761 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW009137.D
Acq: 13 Mar 2019 05:47

Tgt Ion: 49 Resp: 43098
Ion Ratio Lower Upper
49 100
129 1.3 0.0 4.6
130 71.5 60.4 90.6

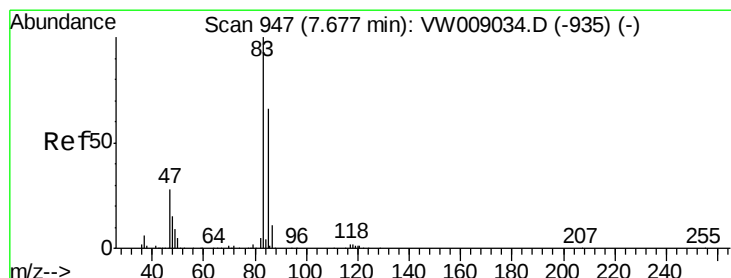
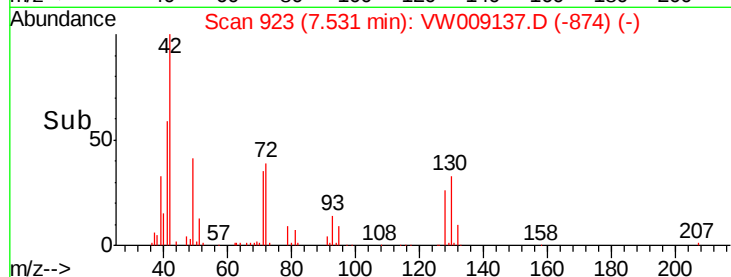
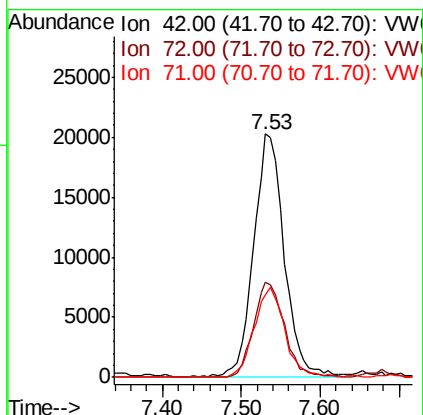
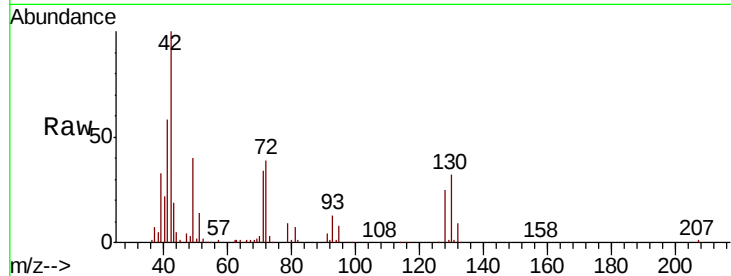




#29
Tetrahydrofuran
Concen: 114.855 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW009137.D
Acq: 13 Mar 2019 05:47

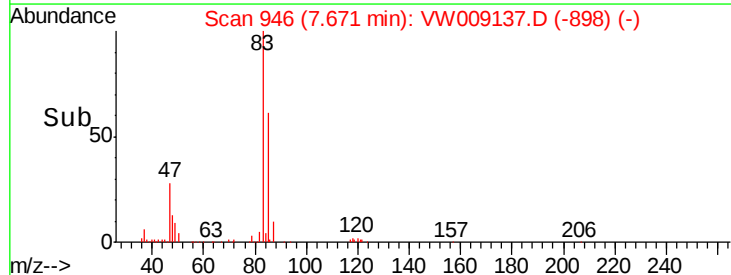
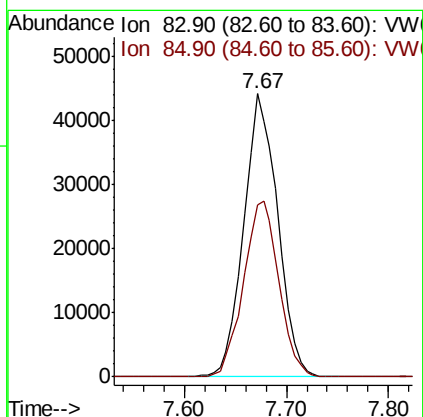
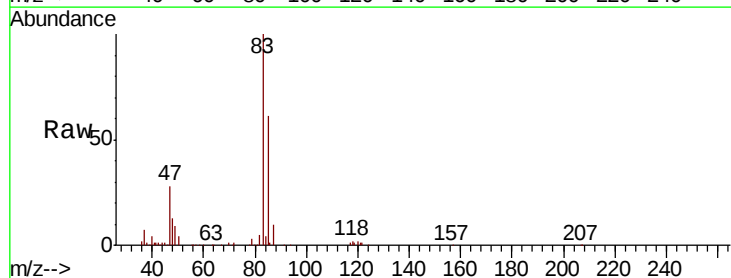
Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS03

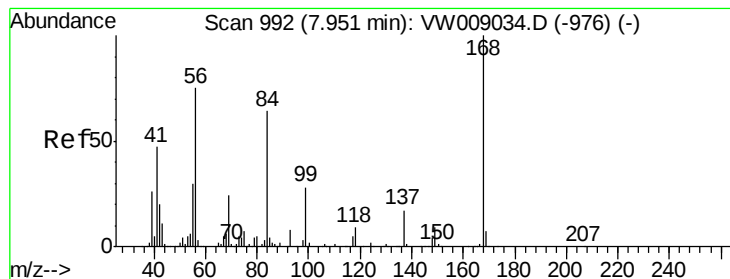
Tgt Ion: 42 Resp: 54195
Ion Ratio Lower Upper
42 100
72 39.4 32.2 48.4
71 37.4 30.7 46.1



#30
Chloroform
Concen: 22.768 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW009137.D
Acq: 13 Mar 2019 05:47

Tgt Ion: 83 Resp: 102218
Ion Ratio Lower Upper
83 100
85 60.9 53.0 79.6





#31

Cyclohexane

Concen: 20.579 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS03

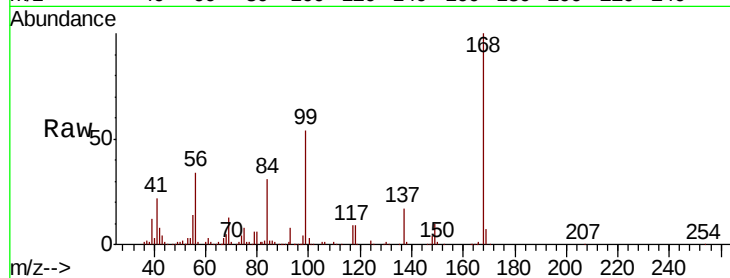
Tgt Ion: 56 Resp: 92143

Ion Ratio Lower Upper

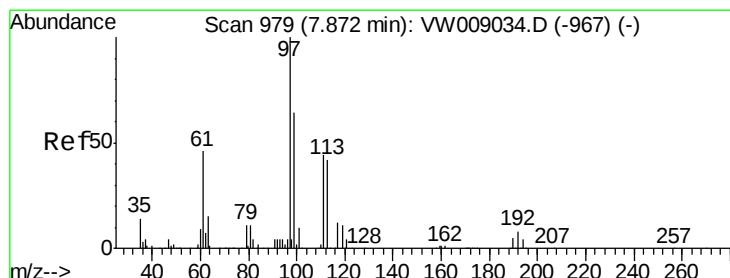
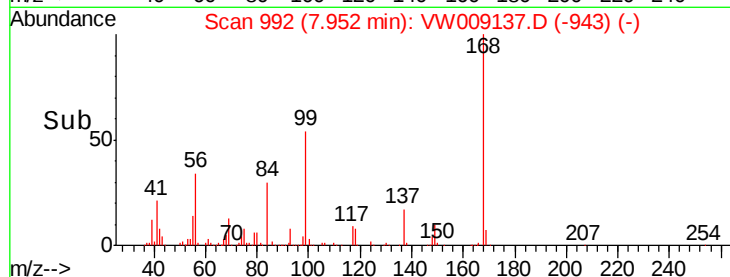
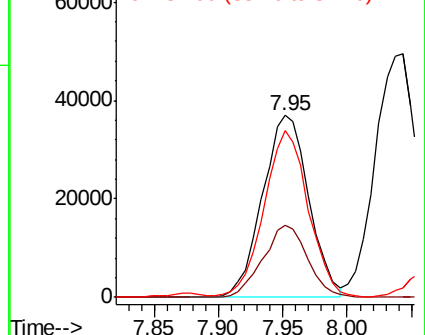
56 100

69 39.8 25.5 38.3#

84 89.5 68.6 103.0



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



#32

1,1,1-Trichloroethane

Concen: 21.974 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

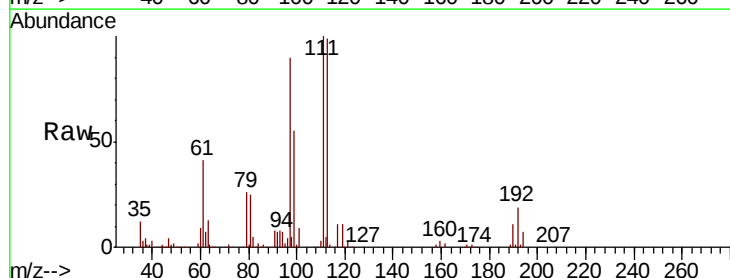
Tgt Ion: 97 Resp: 91042

Ion Ratio Lower Upper

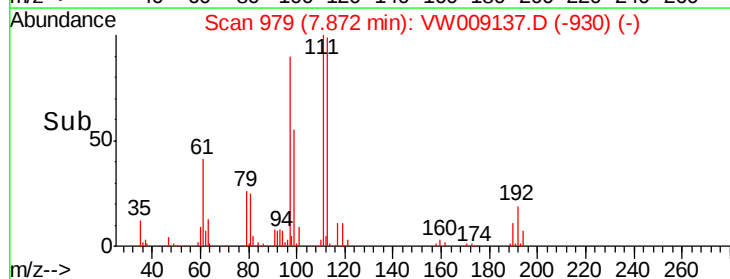
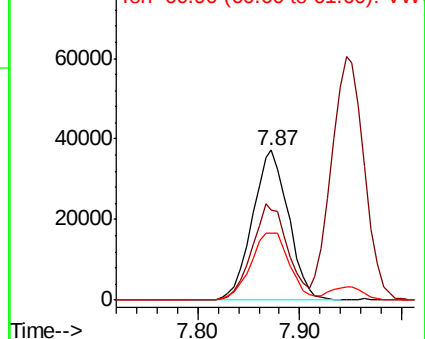
97 100

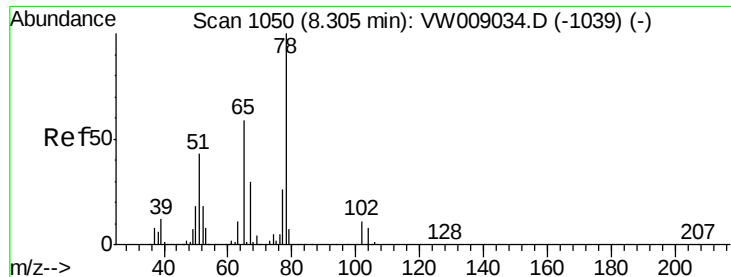
99 63.8 51.8 77.8

61 48.6 37.3 55.9



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

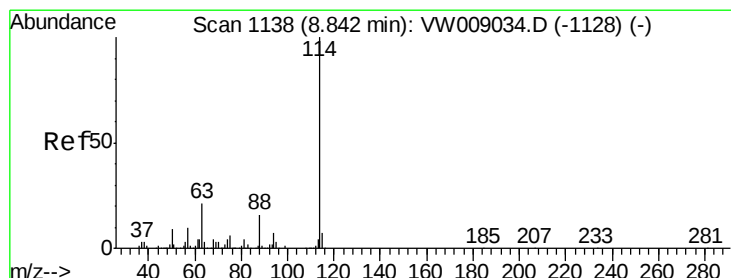
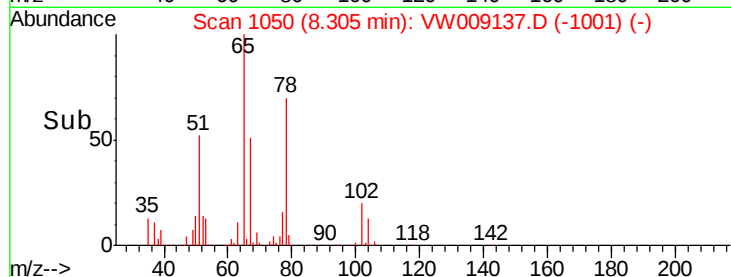
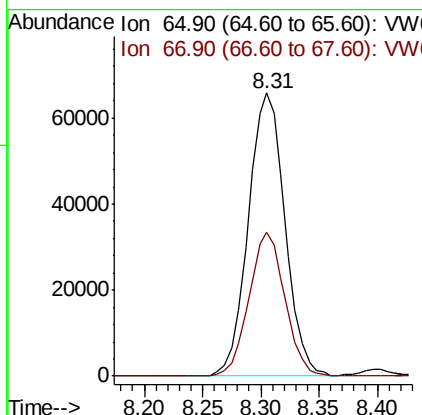
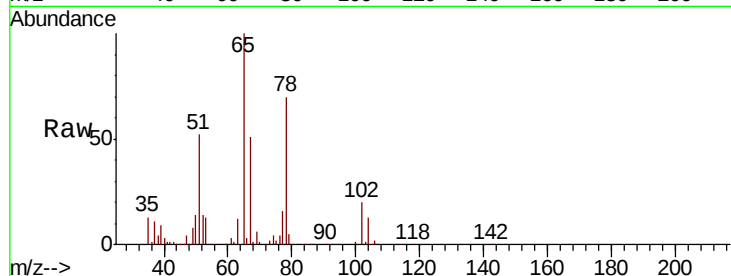




#33
 1,2-Dichloroethane-d4
 Concen: 60.081 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW009137.D
 Acq: 13 Mar 2019 05:47

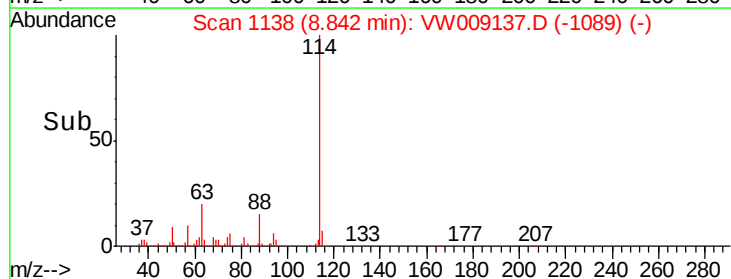
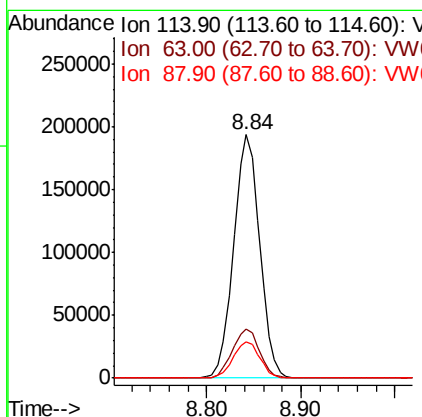
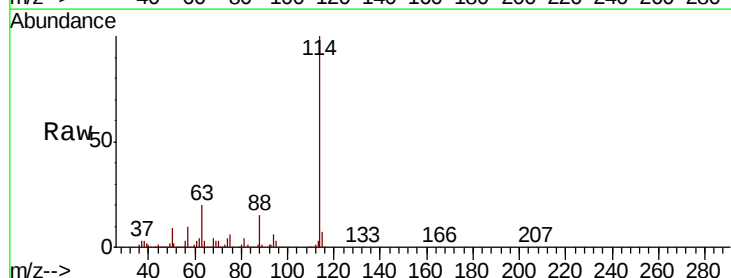
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBS03

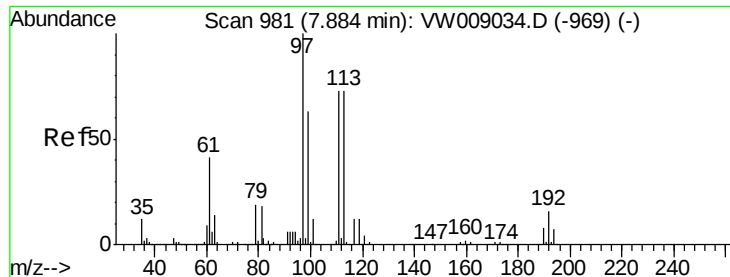
Tgt Ion: 65 Resp: 144252
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009137.D
 Acq: 13 Mar 2019 05:47

Tgt Ion: 114 Resp: 372719
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 41.2
 88 15.0 0.0 31.2

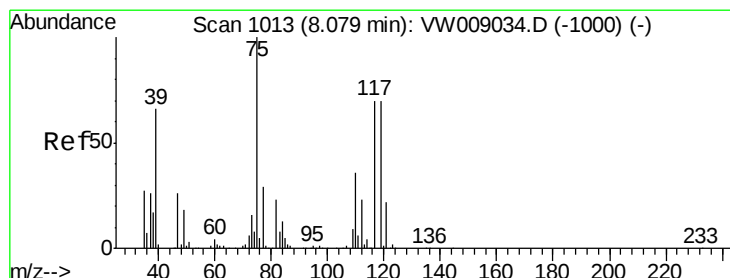
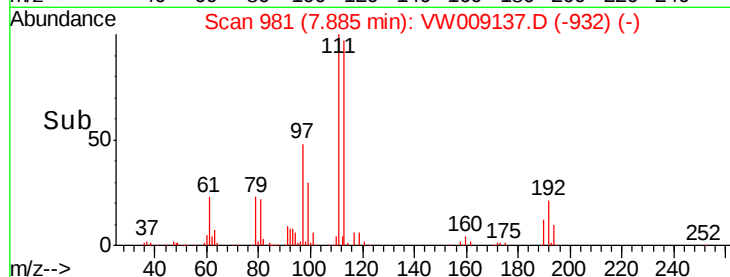
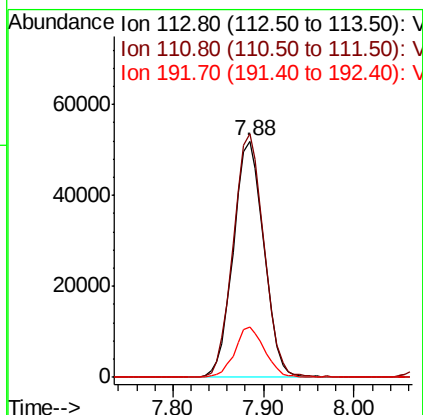
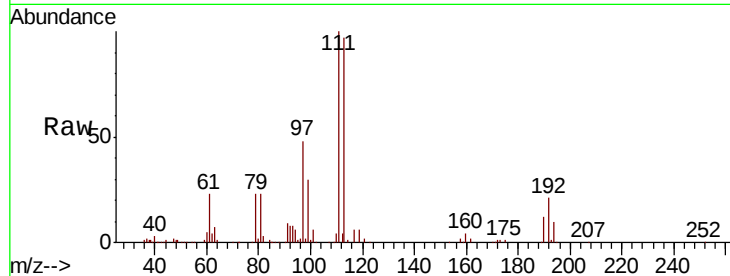




#35
 Dibromofluoromethane
 Concen: 54.118 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW009137.D
 Acq: 13 Mar 2019 05:47

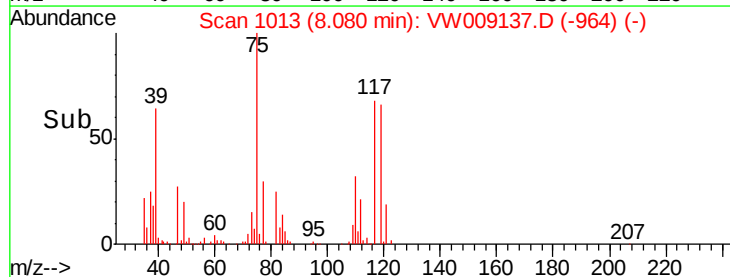
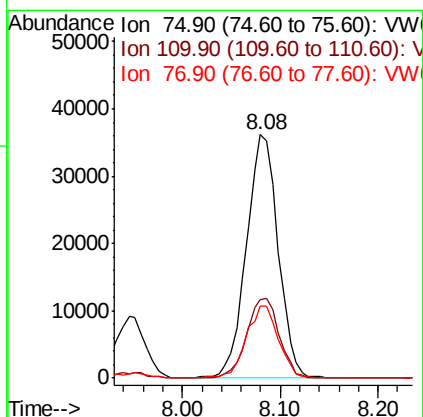
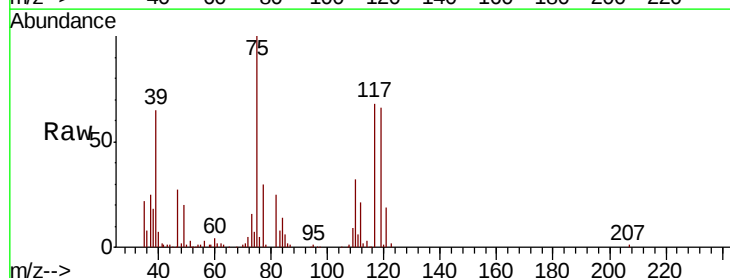
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBS03

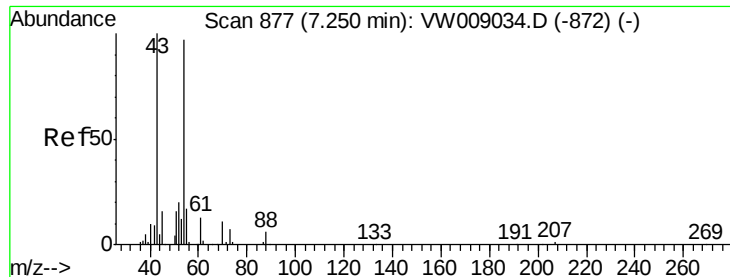
Tgt Ion:113 Resp: 121446
 Ion Ratio Lower Upper
 113 100
 111 103.5 81.0 121.4
 192 20.7 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 20.933 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW009137.D
 Acq: 13 Mar 2019 05:47

Tgt Ion: 75 Resp: 81579
 Ion Ratio Lower Upper
 75 100
 110 33.5 17.6 52.9
 77 30.1 25.1 37.7

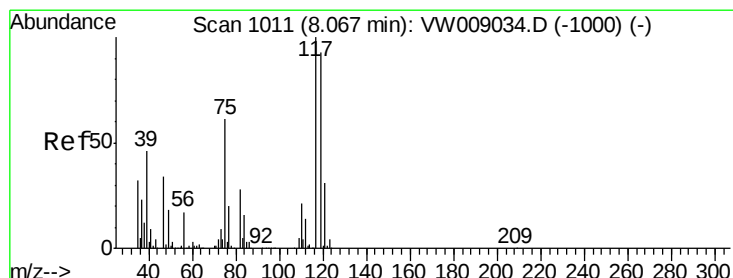
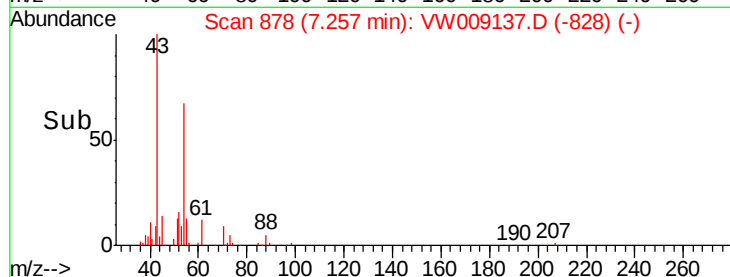
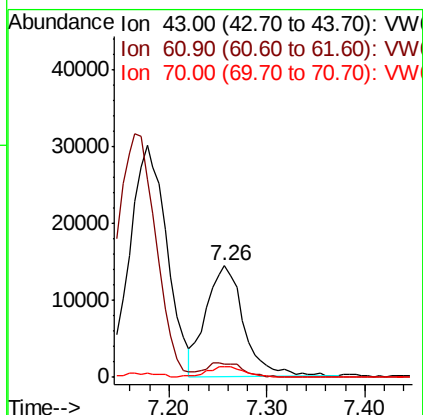
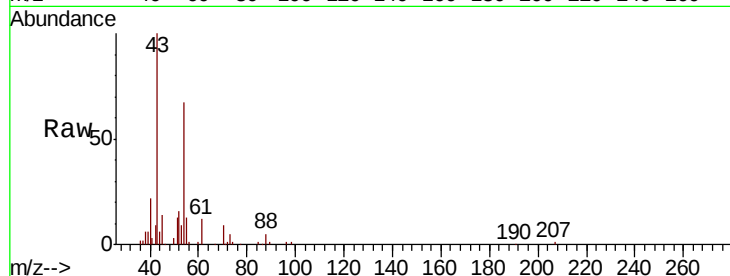




#37
 Ethyl Acetate
 Concen: 20.850 ug/l
 RT: 7.26 min Scan# 878
 Delta R.T. 0.01 min
 Lab File: VW009137.D
 Acq: 13 Mar 2019 05:47

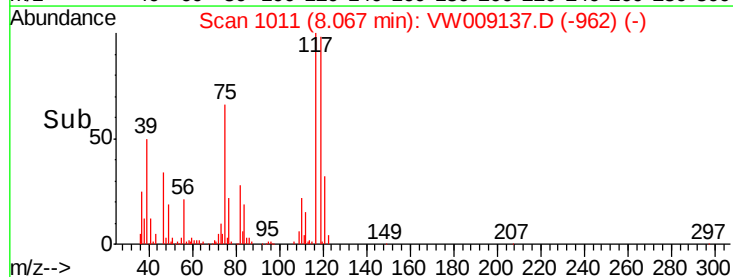
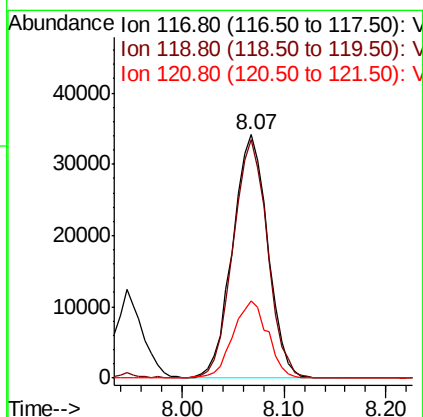
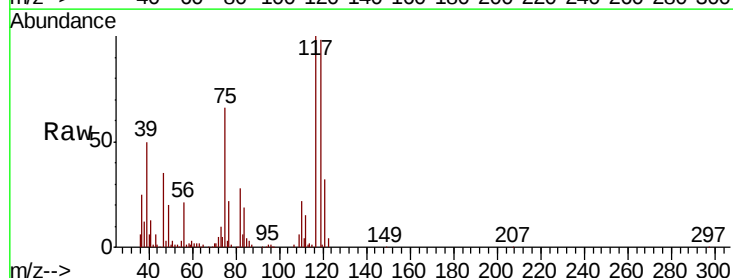
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBS03

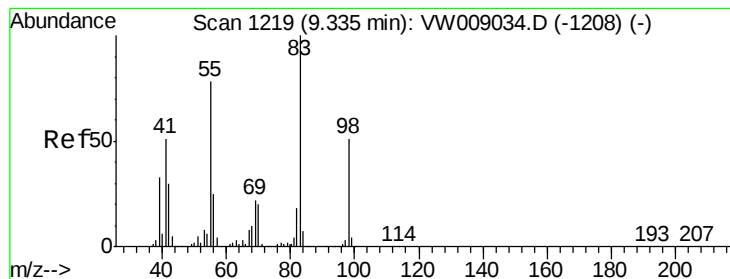
Tgt Ion: 43 Resp: 38168
 Ion Ratio Lower Upper
 43 100
 61 13.4 9.8 14.6
 70 10.0 7.2 10.8



#38
 Carbon Tetrachloride
 Concen: 20.320 ug/l
 RT: 8.07 min Scan# 1011
 Delta R.T. 0.00 min
 Lab File: VW009137.D
 Acq: 13 Mar 2019 05:47

Tgt Ion: 117 Resp: 81785
 Ion Ratio Lower Upper
 117 100
 119 97.8 74.6 112.0
 121 31.8 24.7 37.1





#39

Methylcyclohexane

Concen: 18.700 ug/l

RT: 9.33 min Scan# 1219

Delta R.T. -0.01 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS03

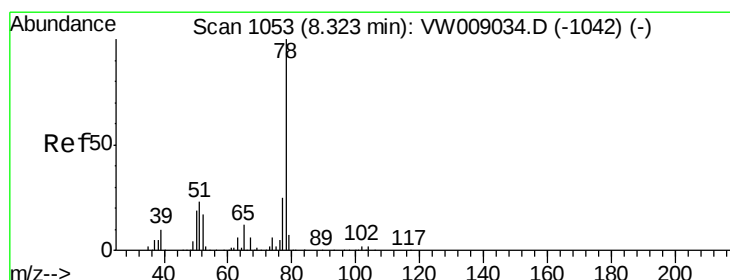
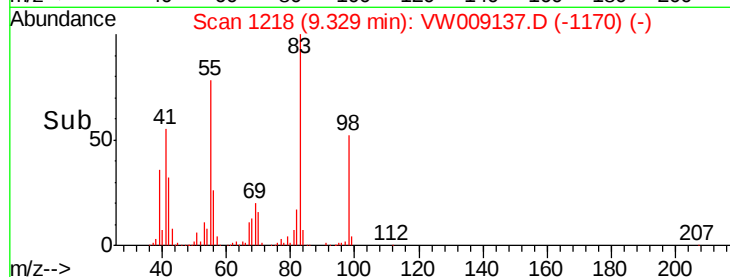
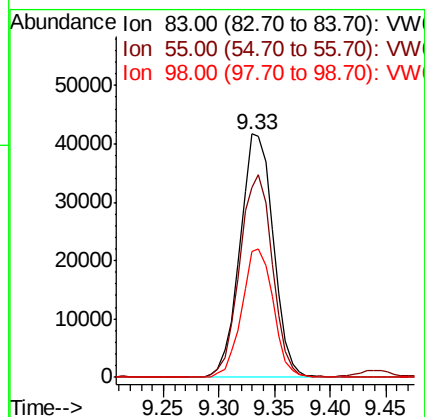
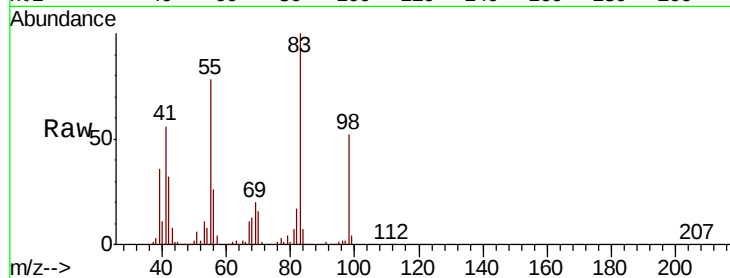
Tgt Ion: 83 Resp: 86802

Ion Ratio Lower Upper

83 100

55 78.0 62.7 94.1

98 51.8 40.8 61.2



#40

Benzene

Concen: 21.213 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW009137.D

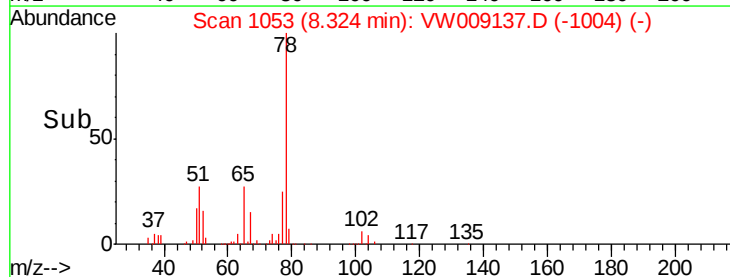
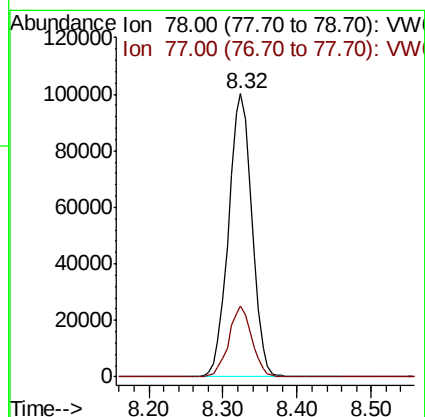
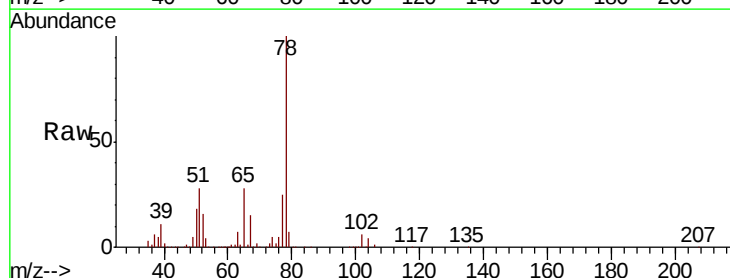
Acq: 13 Mar 2019 05:47

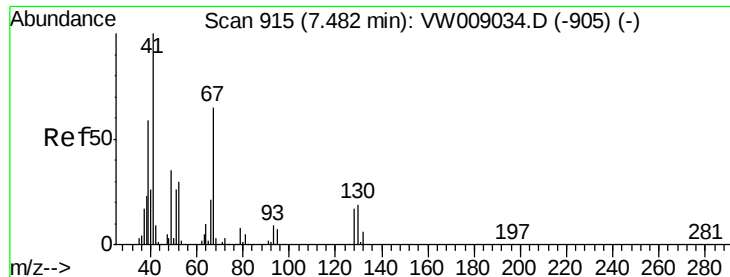
Tgt Ion: 78 Resp: 220684

Ion Ratio Lower Upper

78 100

77 25.1 20.2 30.4

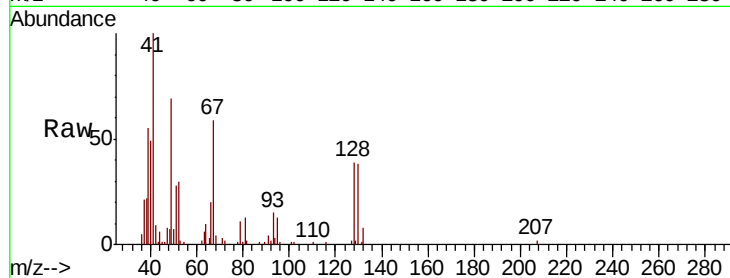




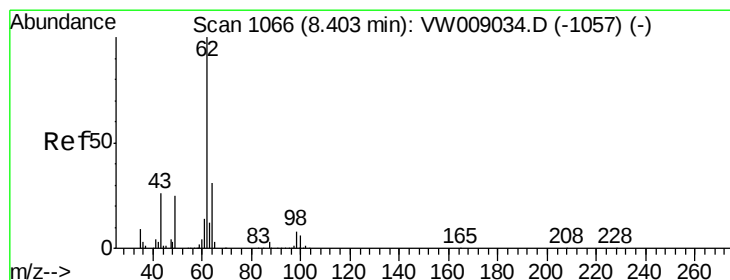
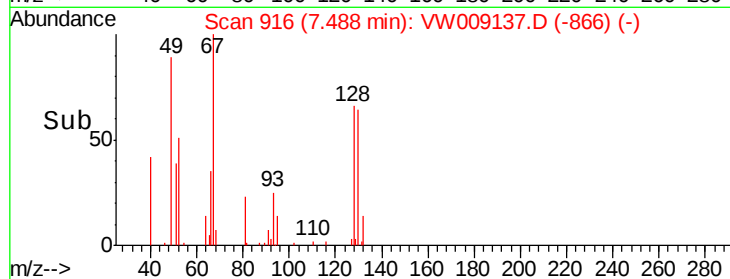
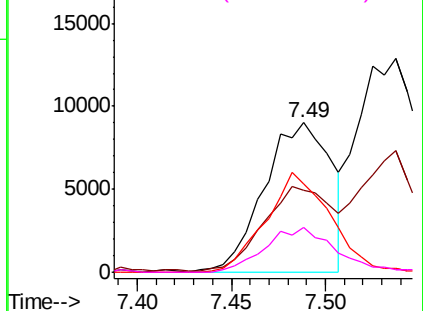
#41
Methacrylonitrile
Concen: 22.006 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW009137.D
Acq: 13 Mar 2019 05:47

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS03

Tgt Ion:	41	Resp:	22370
Ion	Ratio	Lower	Upper
41	100		
39	56.8	53.6	80.4
67	64.1	57.6	86.4
52	31.5	26.0	39.0

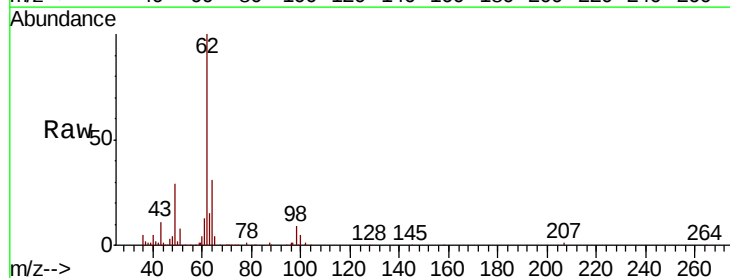


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

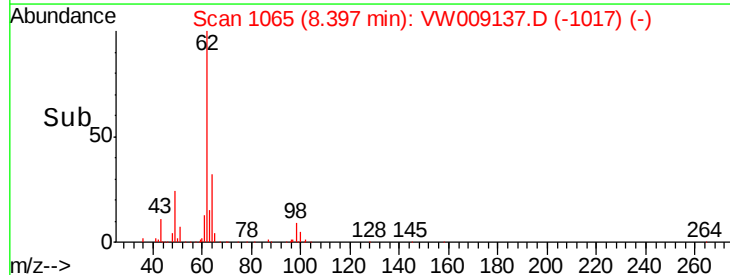
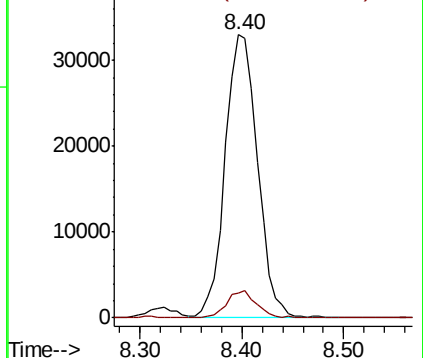


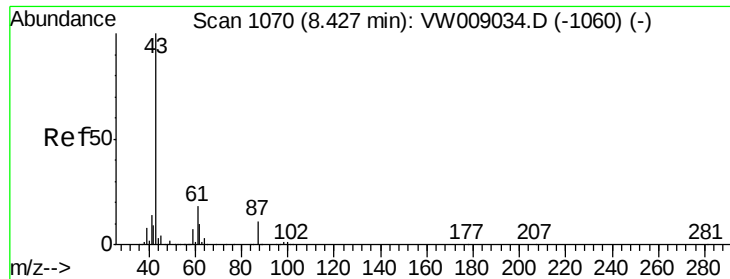
#42
1,2-Dichloroethane
Concen: 21.628 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW009137.D
Acq: 13 Mar 2019 05:47

Tgt Ion:	62	Resp:	72641
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.6



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





#43

Isopropyl Acetate

Concen: 21.153 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS03

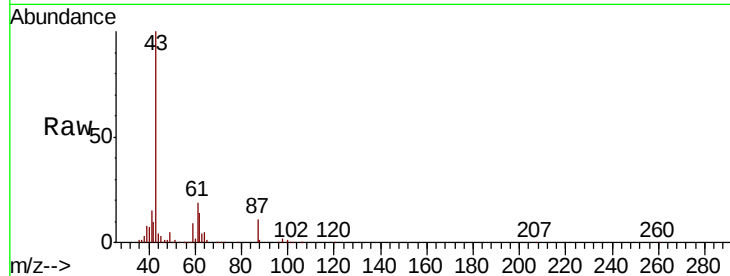
Tgt Ion: 43 Resp: 72120

Ion Ratio Lower Upper

43 100

61 29.6 22.8 34.2

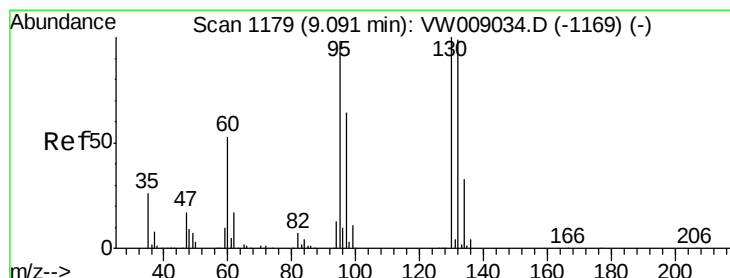
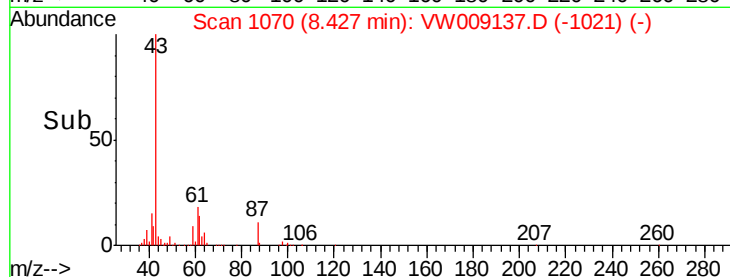
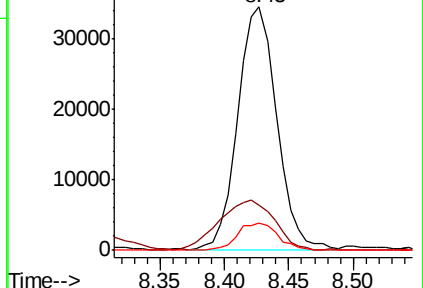
87 11.9 9.4 14.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 21.093 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW009137.D

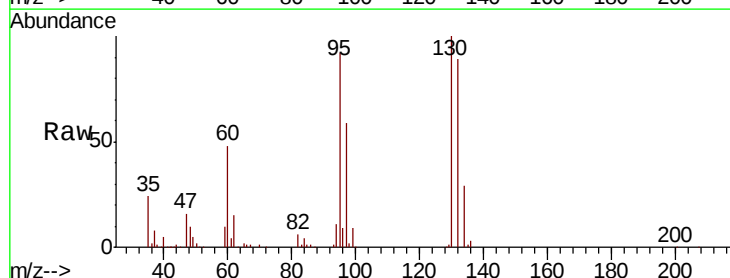
Acq: 13 Mar 2019 05:47

Tgt Ion: 130 Resp: 61504

Ion Ratio Lower Upper

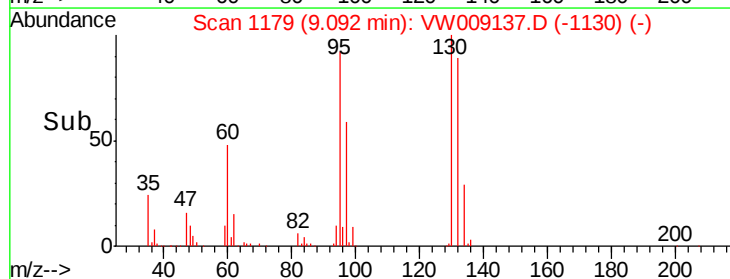
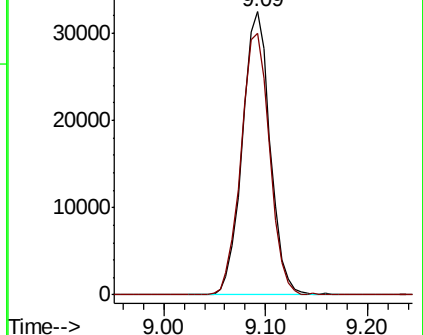
130 100

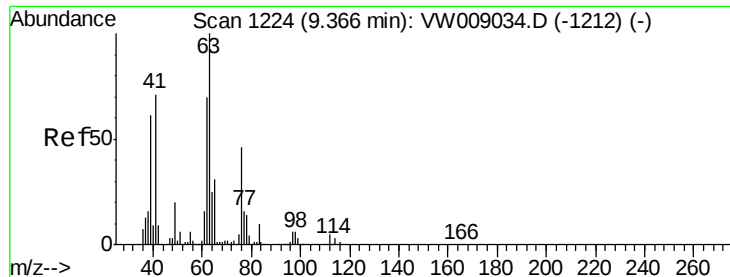
95 92.4 0.0 197.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

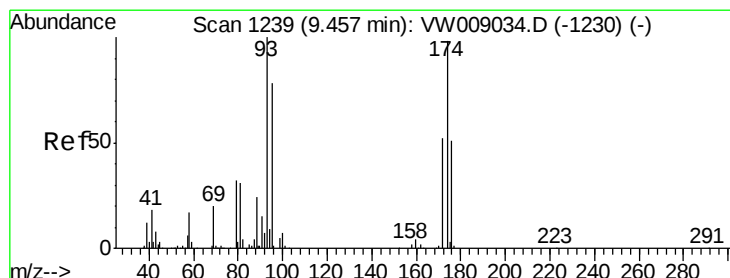
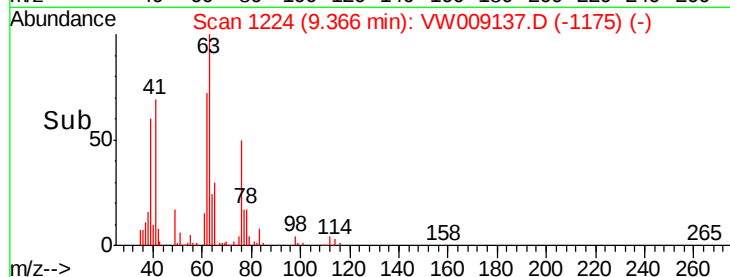
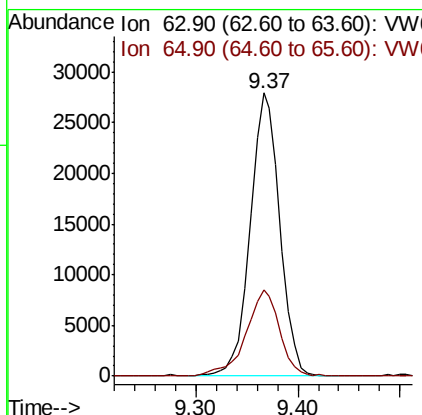
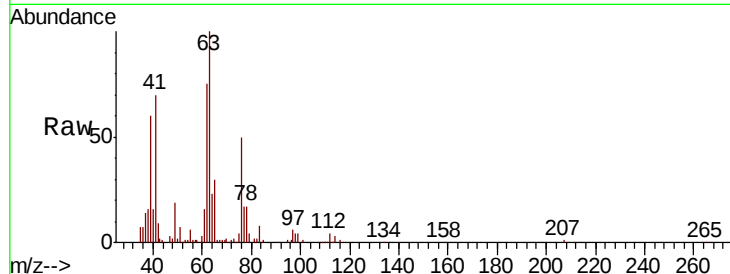




#45
 1,2-Dichloropropane
 Concen: 21.678 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW009137.D
 Acq: 13 Mar 2019 05:47

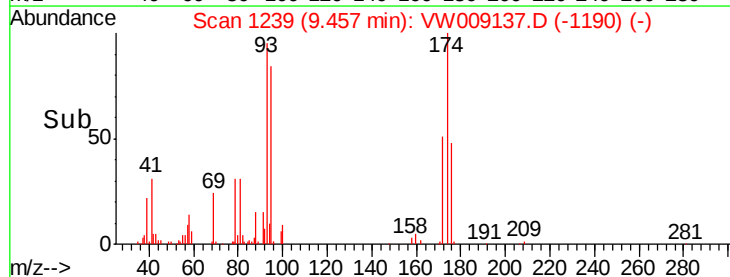
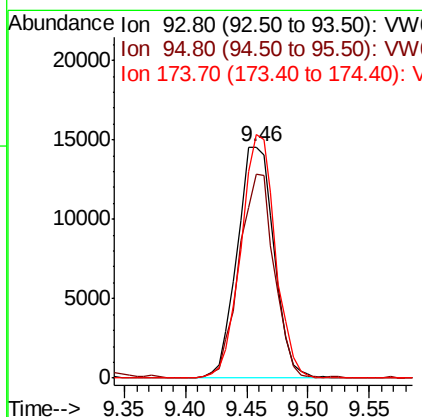
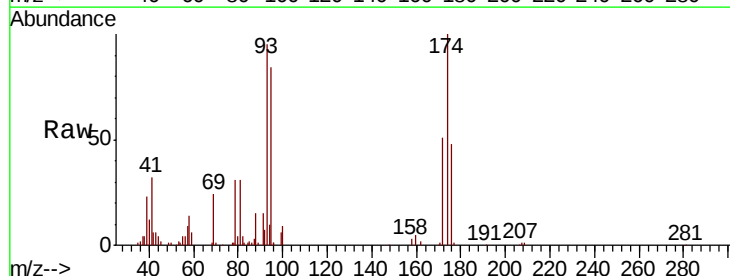
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBS03

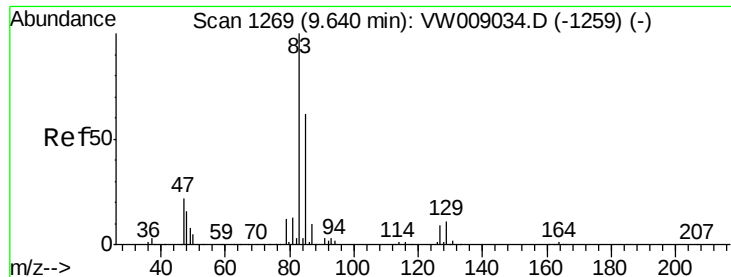
Tgt Ion: 63 Resp: 56483
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.9 37.3



#46
 Dibromomethane
 Concen: 21.463 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW009137.D
 Acq: 13 Mar 2019 05:47

Tgt Ion: 93 Resp: 30542
 Ion Ratio Lower Upper
 93 100
 95 84.0 65.0 97.6
 174 98.2 81.8 122.6





#47

Bromodichloromethane

Concen: 21.177 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS03

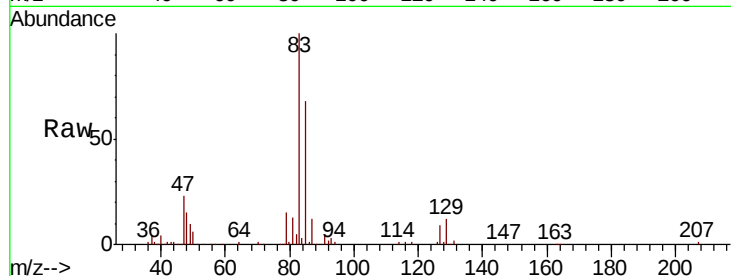
Tgt Ion: 83 Resp: 76284

Ion Ratio Lower Upper

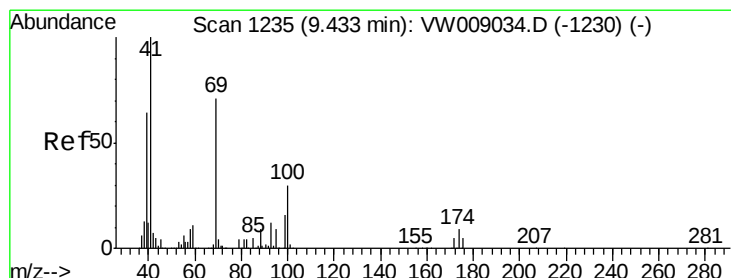
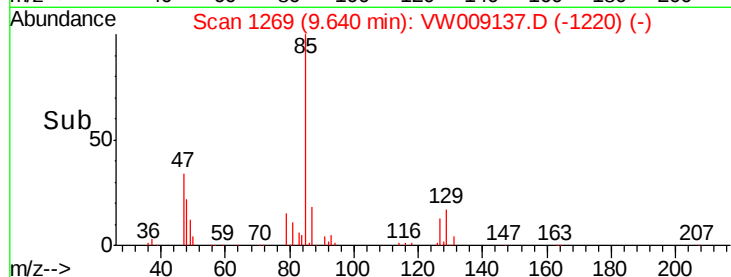
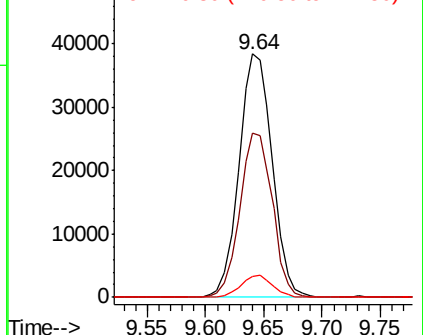
83 100

85 67.6 49.9 74.9

127 8.6 7.1 10.7



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



#48

Methyl methacrylate

Concen: 20.936 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

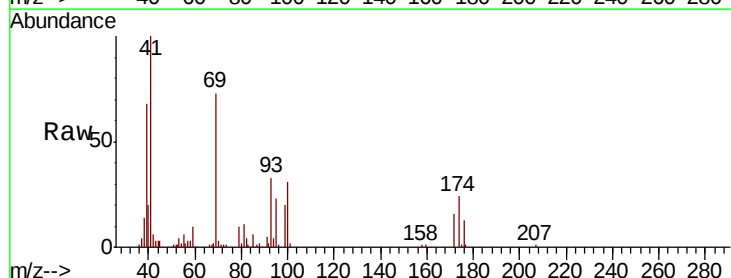
Tgt Ion: 41 Resp: 33236

Ion Ratio Lower Upper

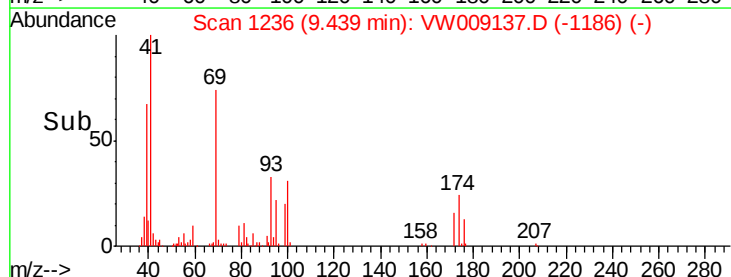
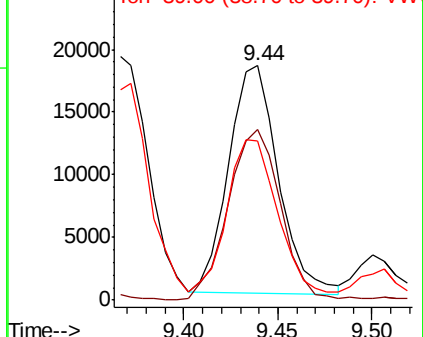
41 100

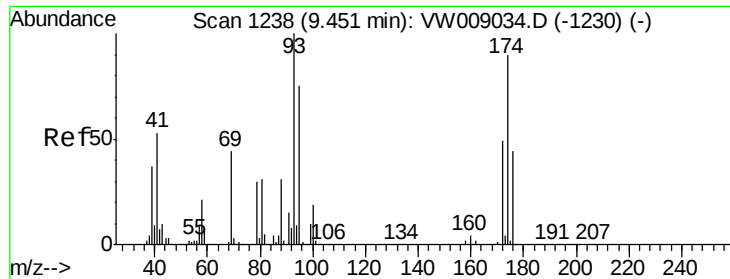
69 79.4 59.1 88.7

39 68.1 48.9 73.3



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





#49

1,4-Dioxane

Concen: 419.387 ug/l

RT: 9.48 min Scan# 1242

Delta R.T. 0.02 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS03

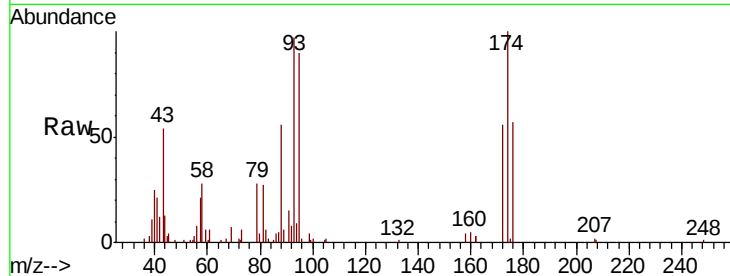
Tgt Ion: 88 Resp: 8546

Ion Ratio Lower Upper

88 100

43 0.0 29.0 43.4#

58 79.3 59.2 88.8

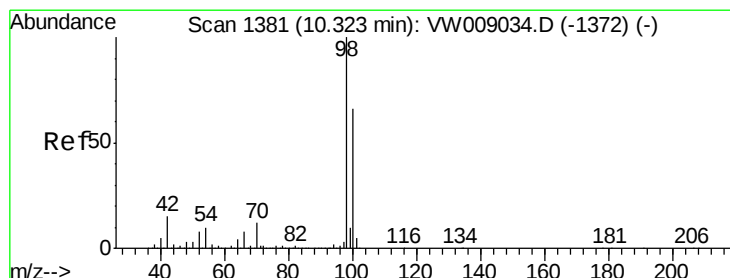
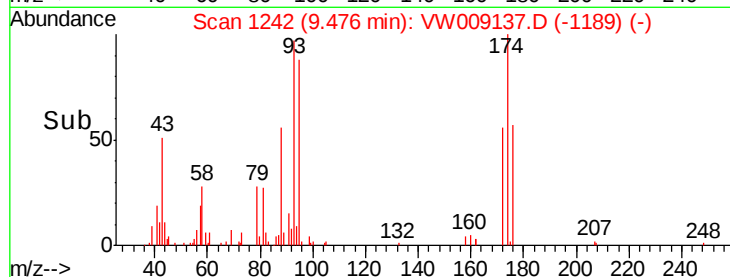
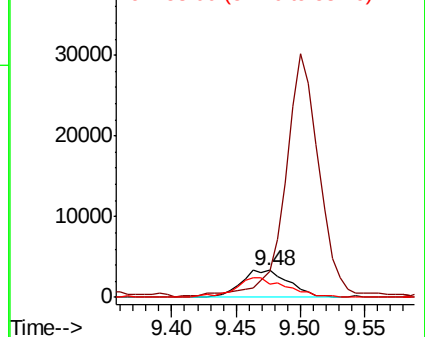


Abundance

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: 52.488 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009137.D

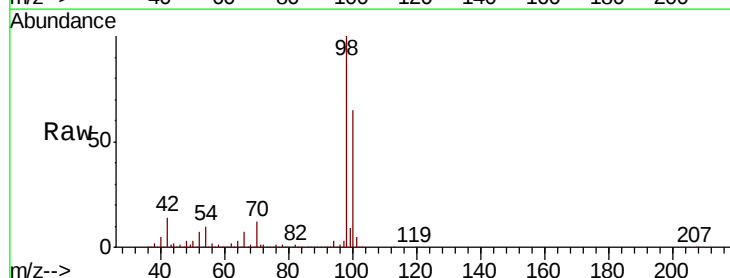
Acq: 13 Mar 2019 05:47

Tgt Ion: 98 Resp: 483777

Ion Ratio Lower Upper

98 100

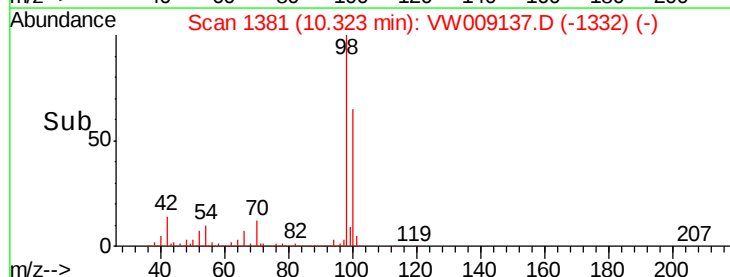
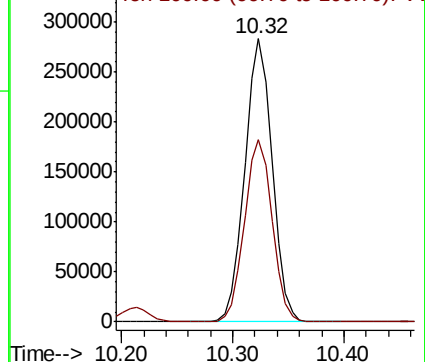
100 65.2 51.9 77.9

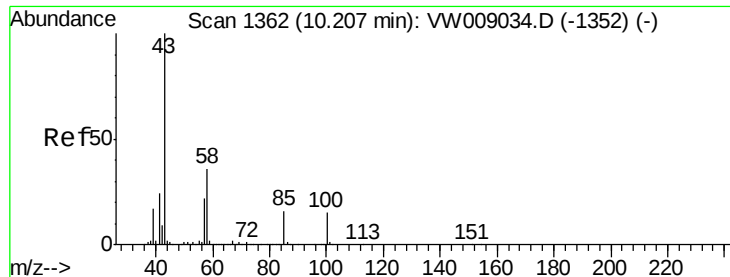


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

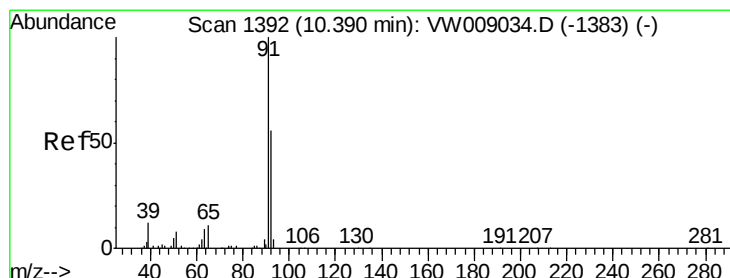
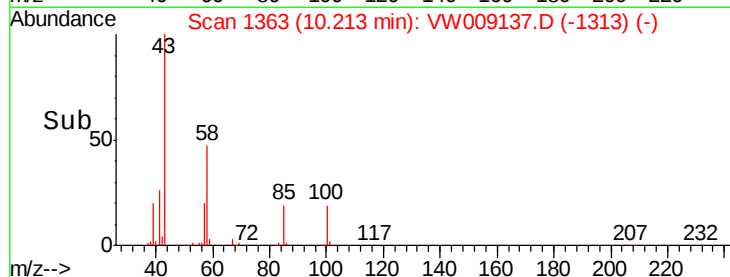
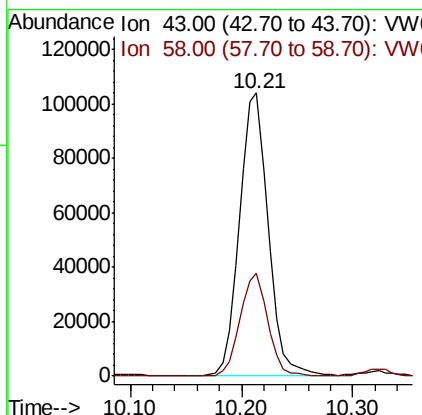
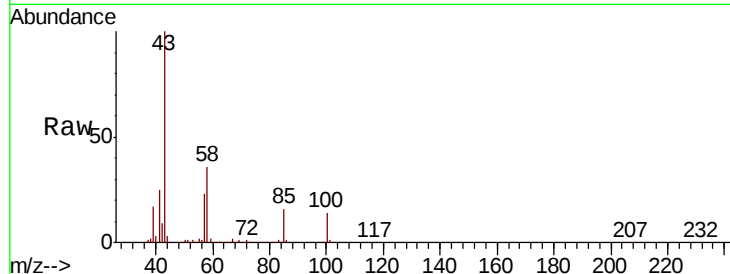




#51
 4-Methyl-2-Pentanone
 Concen: 107.318 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.01 min
 Lab File: VW009137.D
 Acq: 13 Mar 2019 05:47

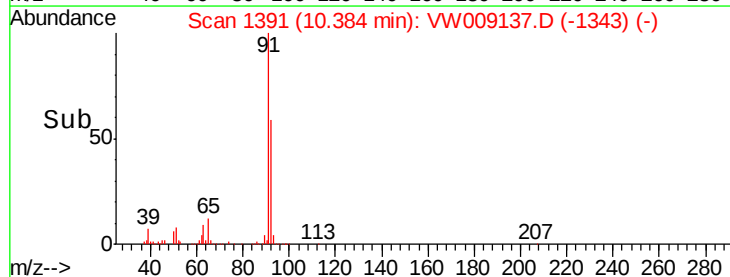
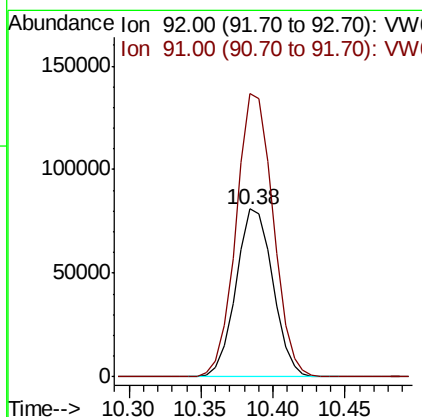
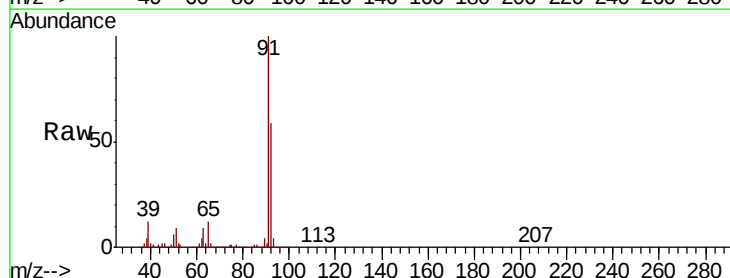
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBS03

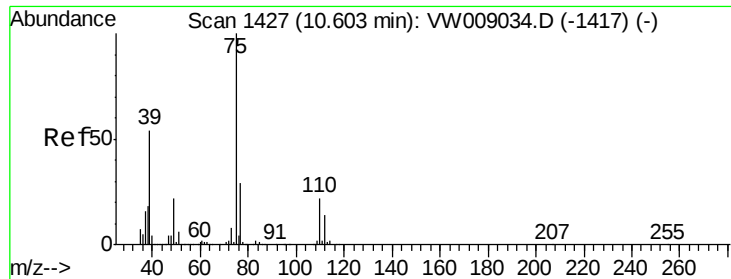
Tgt Ion: 43 Resp: 185750
 Ion Ratio Lower Upper
 43 100
 58 35.2 28.8 43.2



#52
 Toluene
 Concen: 20.440 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VW009137.D
 Acq: 13 Mar 2019 05:47

Tgt Ion: 92 Resp: 144211
 Ion Ratio Lower Upper
 92 100
 91 169.5 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 19.738 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

Instrument :

MSVOA_W

ClientSampleId :

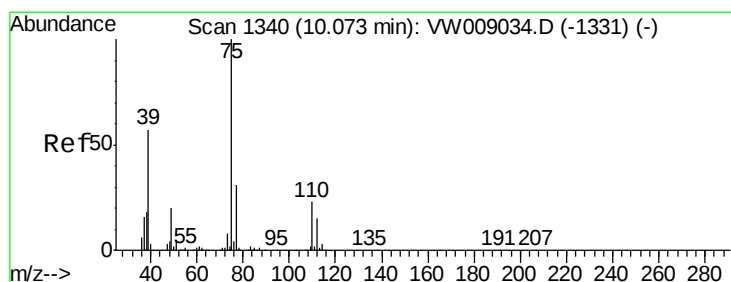
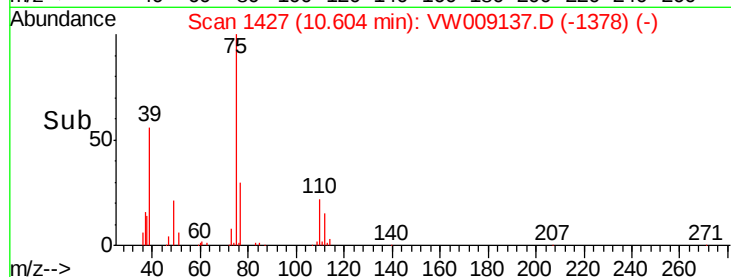
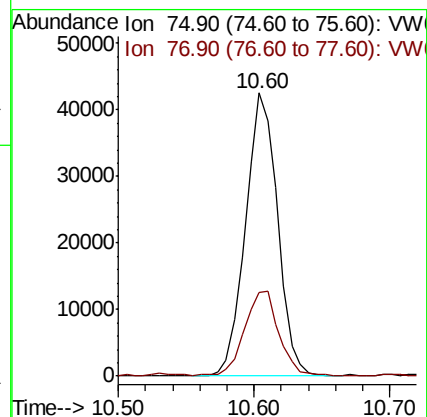
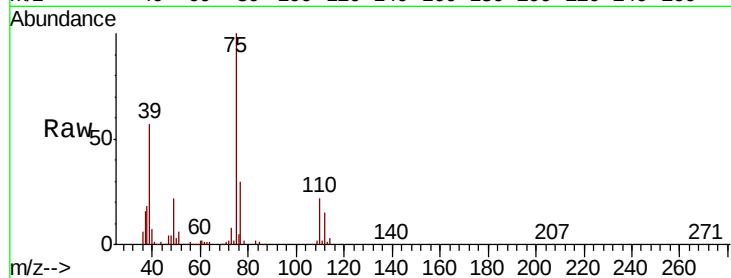
VW0312SBS03

Tgt Ion: 75 Resp: 70322

Ion Ratio Lower Upper

75 100

77 29.7 23.6 35.4



#54

cis-1,3-Dichloropropene

Concen: 20.583 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

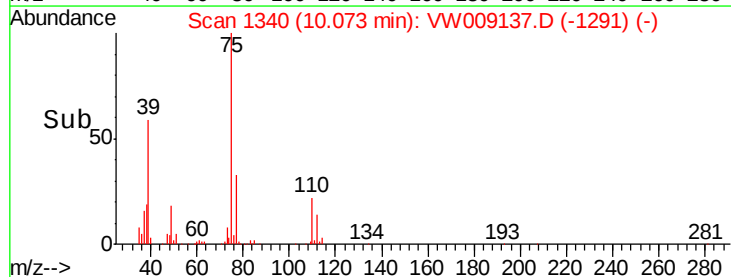
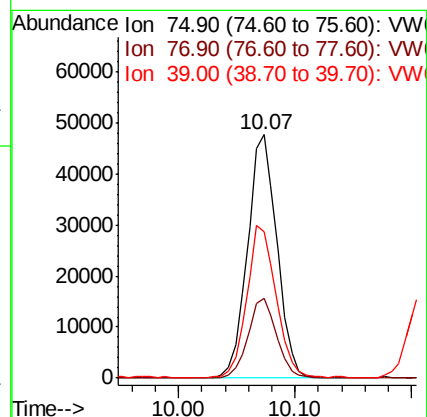
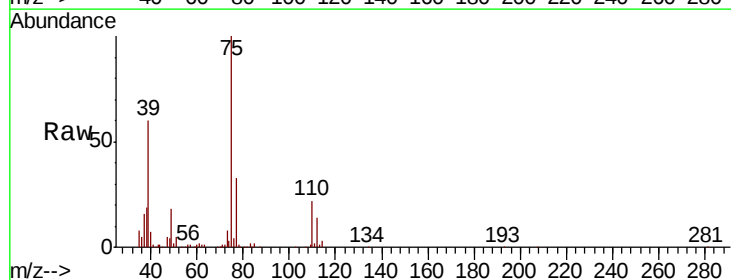
Tgt Ion: 75 Resp: 84268

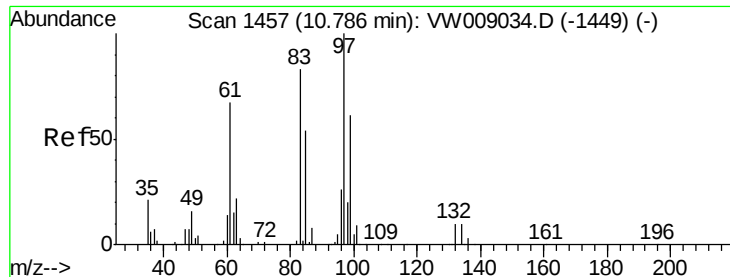
Ion Ratio Lower Upper

75 100

77 32.7 24.6 36.8

39 59.6 45.9 68.9

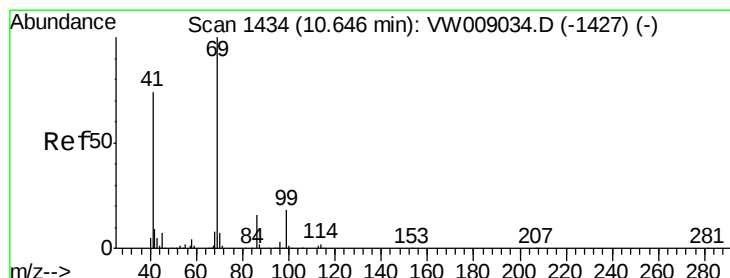
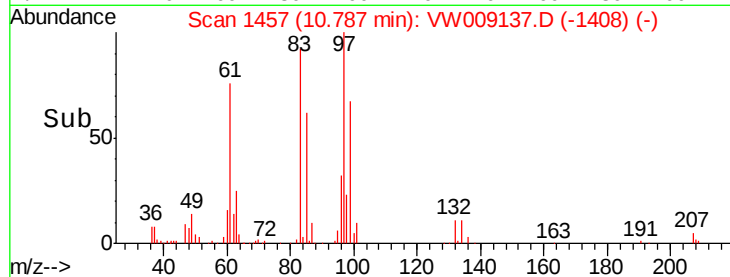
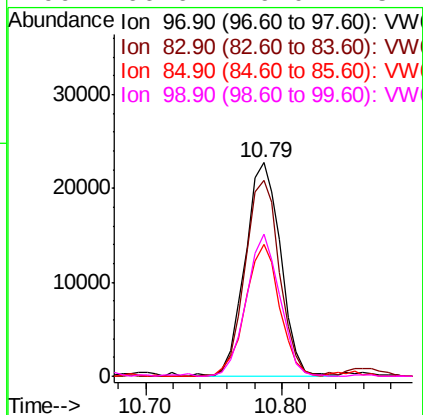
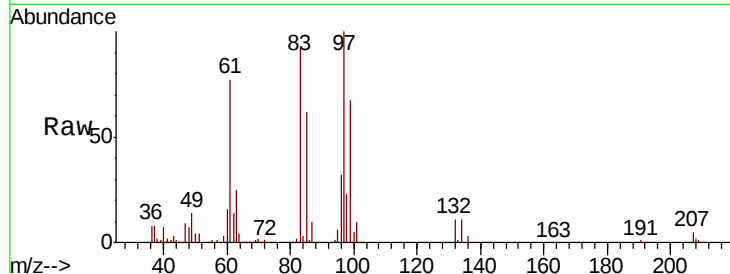




#55
 1,1,2-Trichloroethane
 Concen: 21.588 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW009137.D
 Acq: 13 Mar 2019 05:47

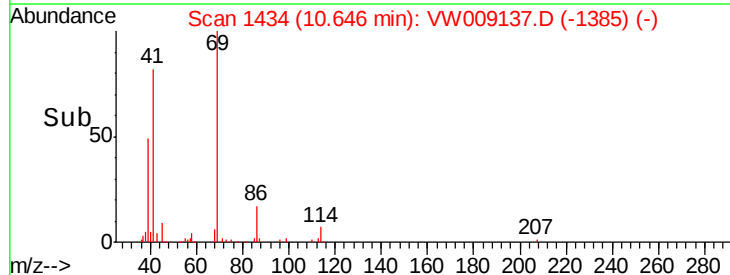
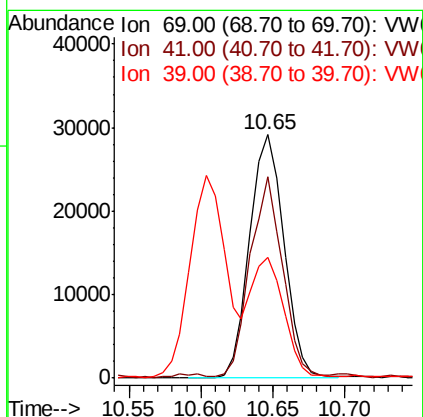
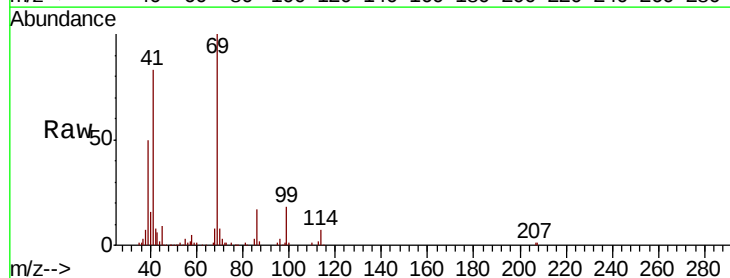
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBS03

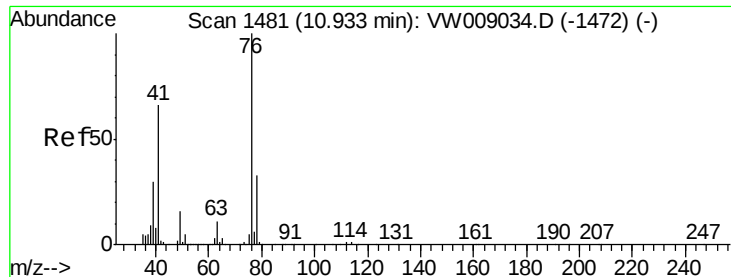
Tgt Ion:	97	Resp:	41638
Ion	Ratio	Lower	Upper
97	100		
83	91.7	66.2	99.2
85	61.8	43.6	65.4
99	66.6	49.0	73.4



#56
 Ethyl methacrylate
 Concen: 20.178 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW009137.D
 Acq: 13 Mar 2019 05:47

Tgt Ion:	69	Resp:	48300
Ion	Ratio	Lower	Upper
69	100		
41	76.6	59.4	89.2
39	46.2	38.5	57.7

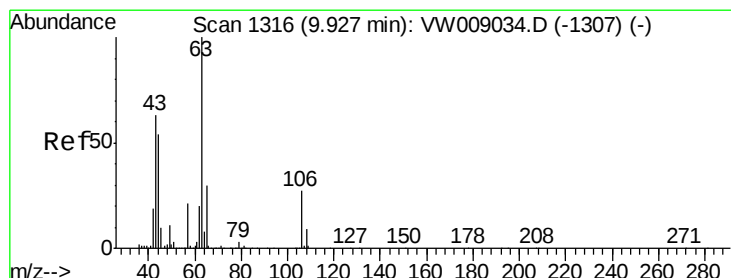
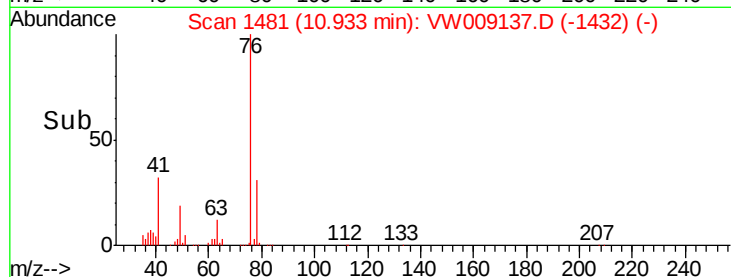
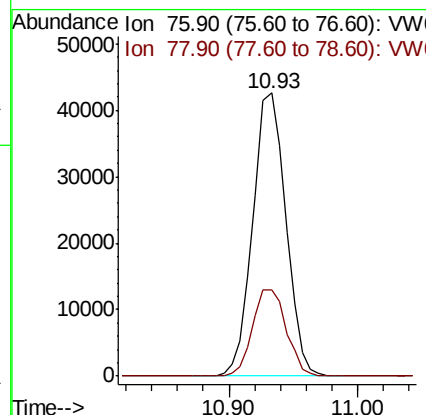
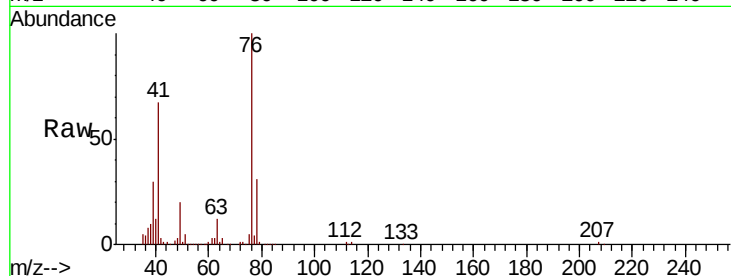




#57
 1,3-Dichloropropane
 Concen: 22.090 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW009137.D
 Acq: 13 Mar 2019 05:47

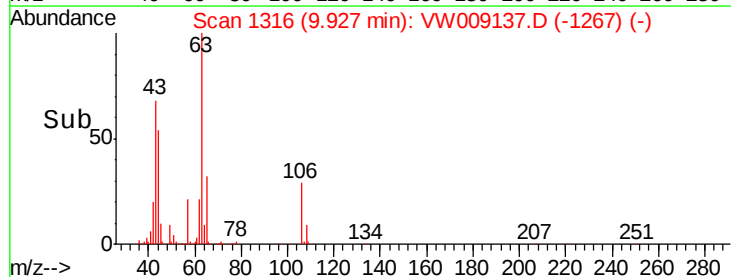
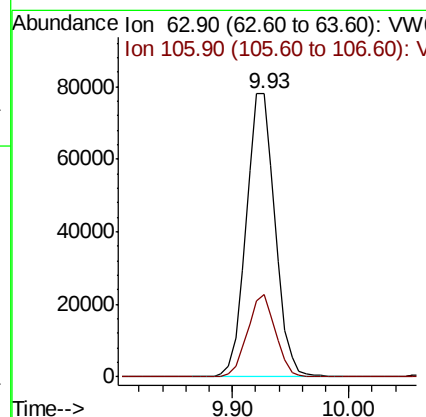
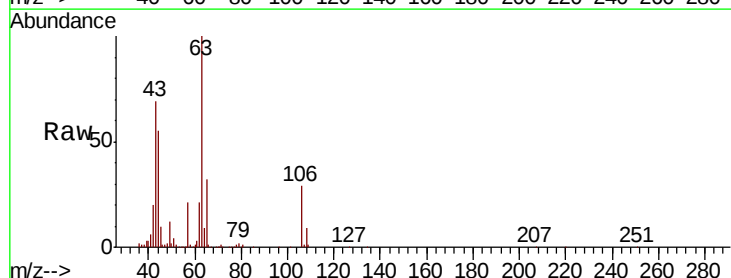
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBS03

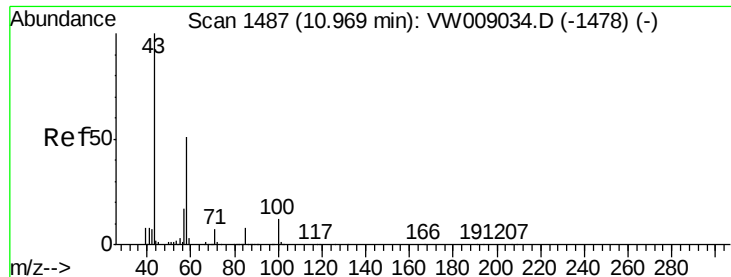
Tgt Ion: 76 Resp: 75475
 Ion Ratio Lower Upper
 76 100
 78 31.4 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.798 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW009137.D
 Acq: 13 Mar 2019 05:47

Tgt Ion: 63 Resp: 135010
 Ion Ratio Lower Upper
 63 100
 106 28.4 23.0 34.6

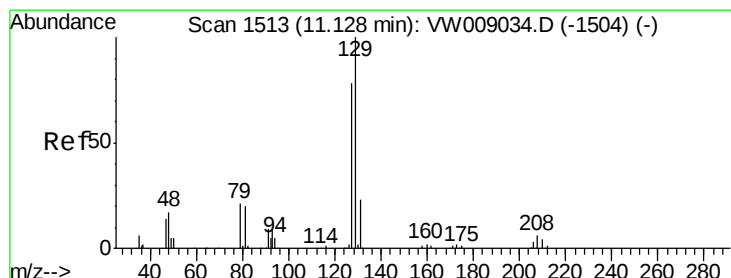
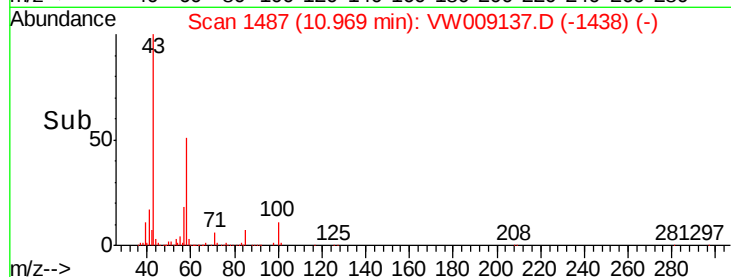
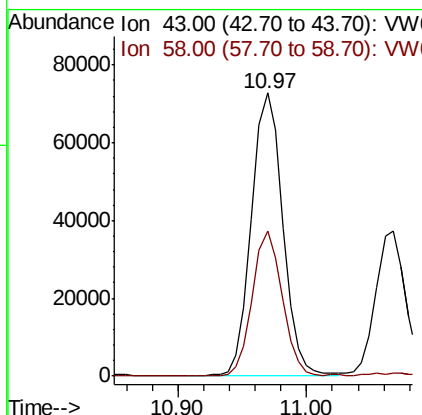
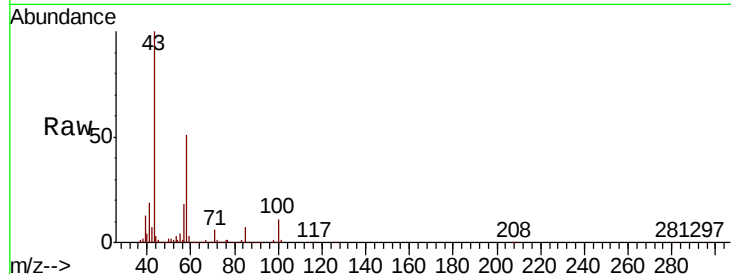




#59
2-Hexanone
Concen: 100.407 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009137.D
Acq: 13 Mar 2019 05:47

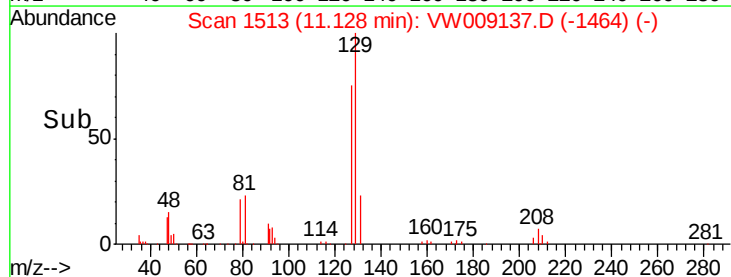
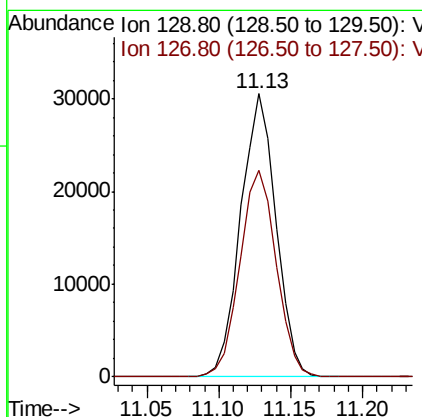
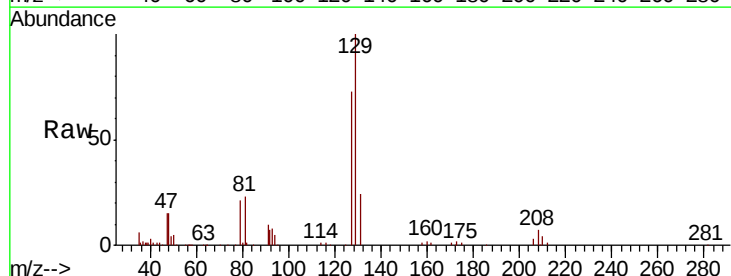
Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS03

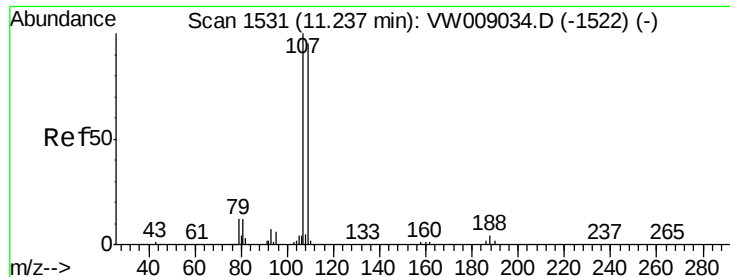
Tgt Ion: 43 Resp: 122187
Ion Ratio Lower Upper
43 100
58 49.1 25.3 75.9



#60
Dibromochloromethane
Concen: 21.709 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW009137.D
Acq: 13 Mar 2019 05:47

Tgt Ion: 129 Resp: 51817
Ion Ratio Lower Upper
129 100
127 75.3 38.4 115.1

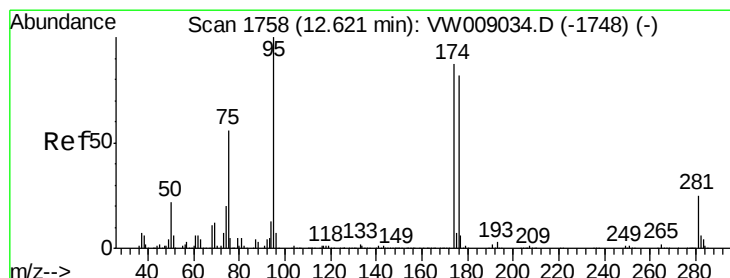
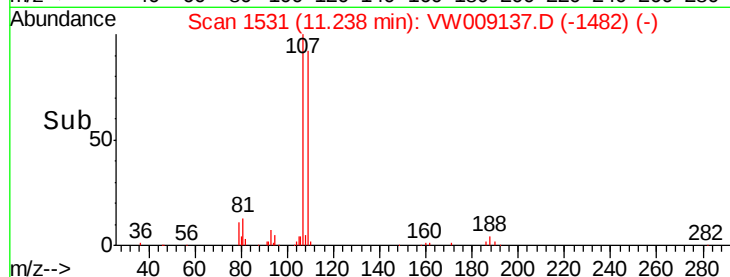
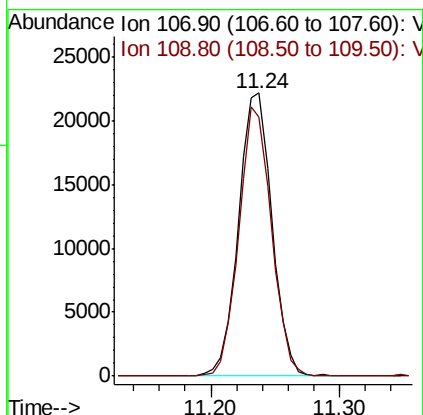
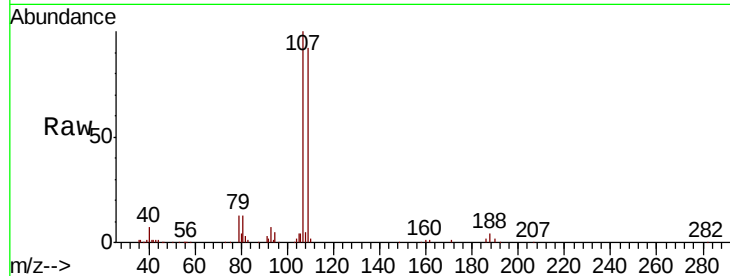




#61
 1,2-Dibromoethane
 Concen: 20.984 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW009137.D
 Acq: 13 Mar 2019 05:47

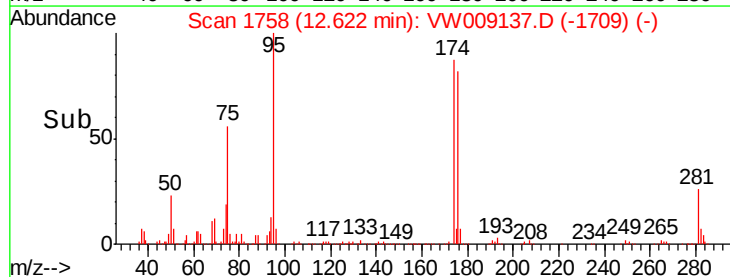
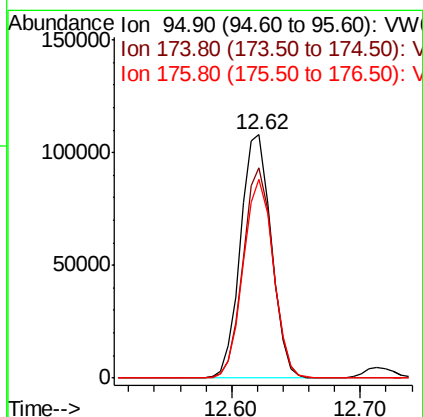
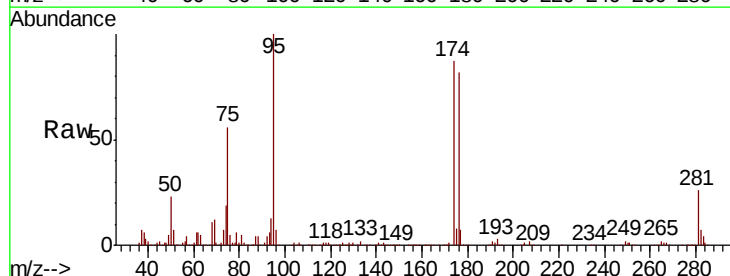
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBS03

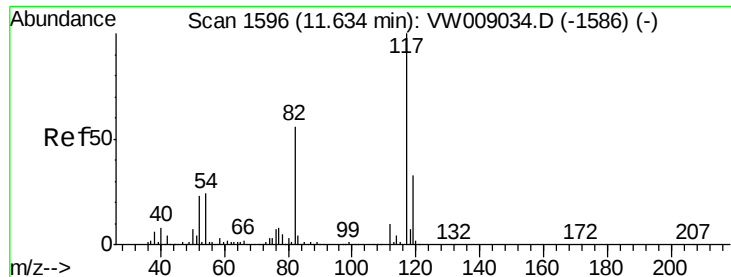
Tgt Ion: 107 Resp: 39677
 Ion Ratio Lower Upper
 107 100
 109 92.8 74.7 112.1



#62
 4-Bromofluorobenzene
 Concen: 49.160 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW009137.D
 Acq: 13 Mar 2019 05:47

Tgt Ion: 95 Resp: 178368
 Ion Ratio Lower Upper
 95 100
 174 83.5 0.0 167.0
 176 80.1 0.0 159.4

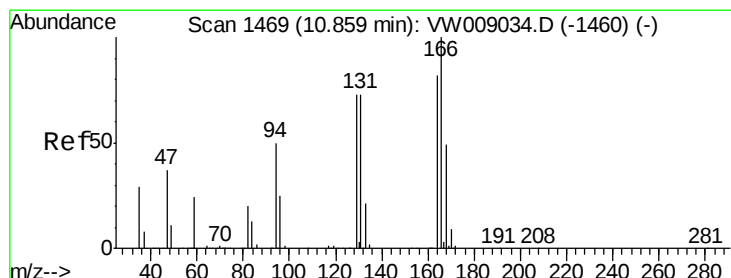
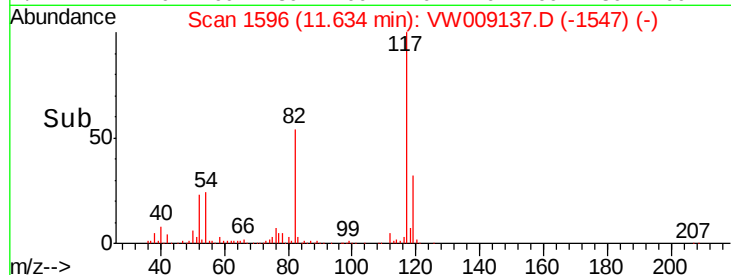
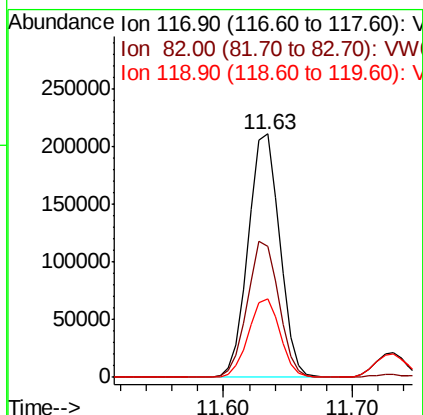
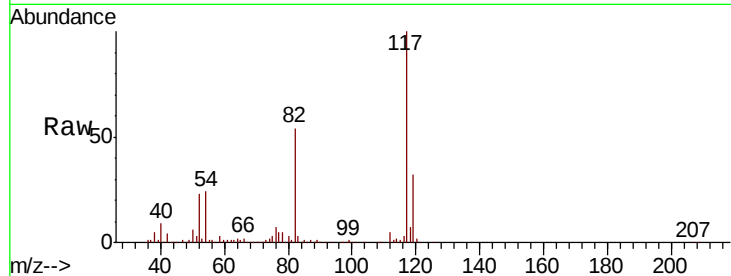




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009137.D
Acq: 13 Mar 2019 05:47

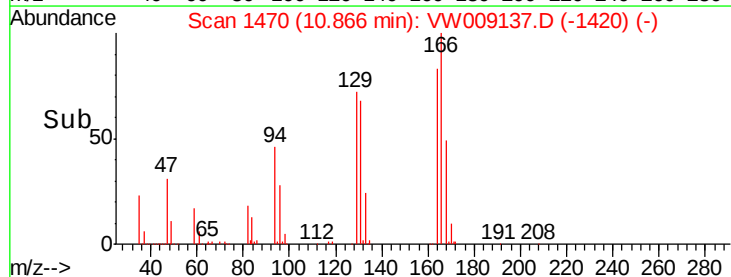
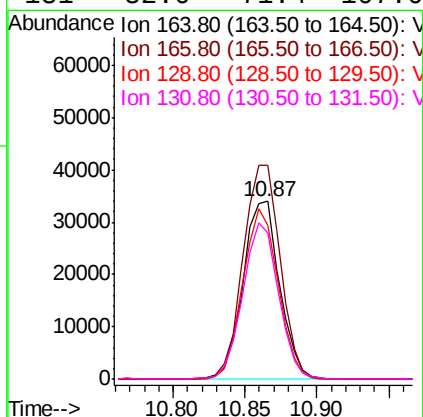
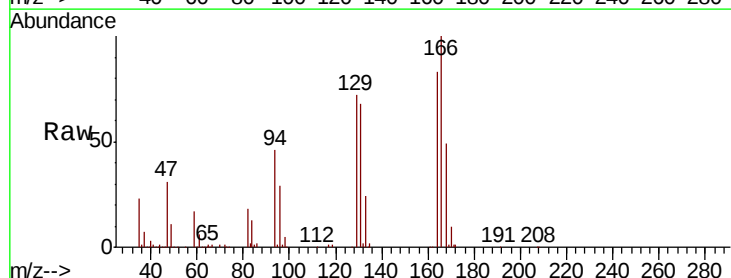
Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS03

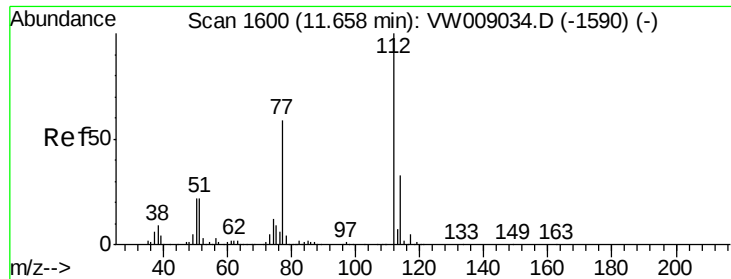
Tgt Ion:117 Resp: 355588
Ion Ratio Lower Upper
117 100
82 53.8 45.0 67.6
119 32.0 26.6 39.8



#64
Tetrachloroethene
Concen: 23.267 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW009137.D
Acq: 13 Mar 2019 05:47

Tgt Ion:164 Resp: 59664
Ion Ratio Lower Upper
164 100
166 120.3 97.8 146.6
129 86.6 71.6 107.4
131 82.0 71.4 107.0





#65

Chlorobenzene

Concen: 20.197 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

Instrument :

MSVOA_W

ClientSampleId :

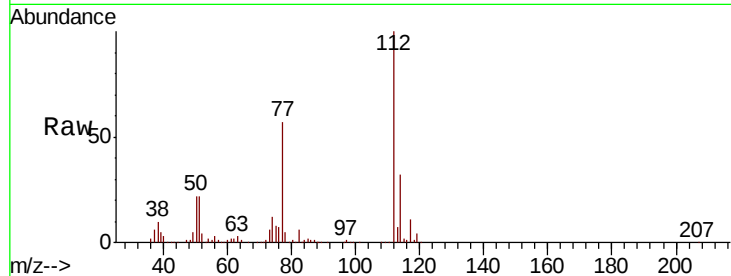
VW0312SBS03

Tgt Ion:112 Resp: 156324

Ion Ratio Lower Upper

112 100

114 31.6 26.6 40.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.66

100000

80000

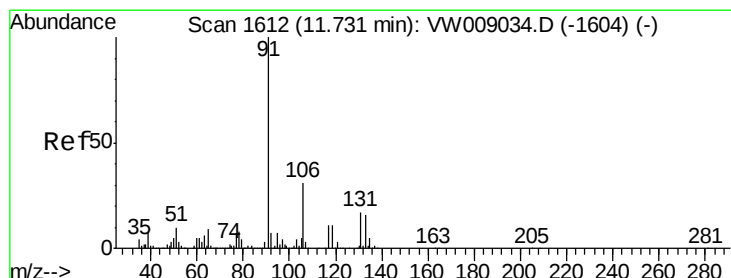
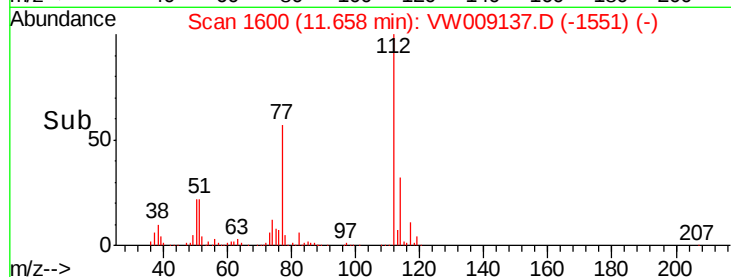
60000

40000

20000

0

Time--> 11.60 11.65 11.70



#66

1,1,1,2-Tetrachloroethane

Concen: 21.113 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

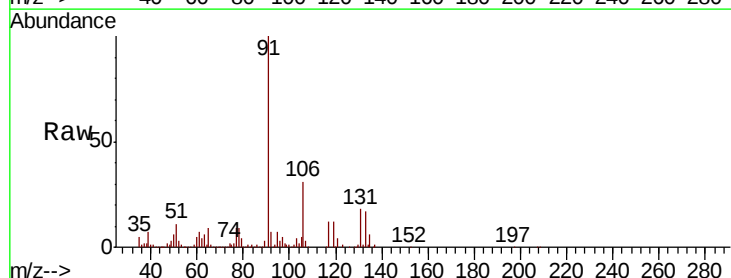
Tgt Ion:131 Resp: 54563

Ion Ratio Lower Upper

131 100

133 92.9 47.6 142.8

119 64.0 31.3 93.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

80000

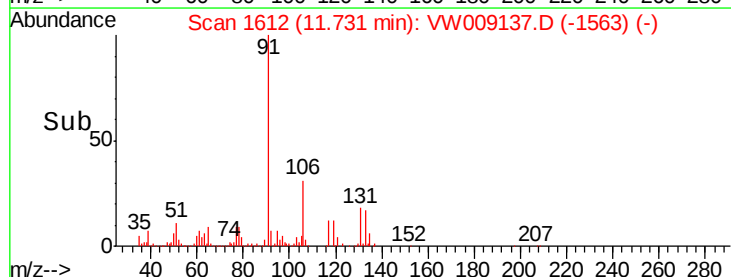
60000

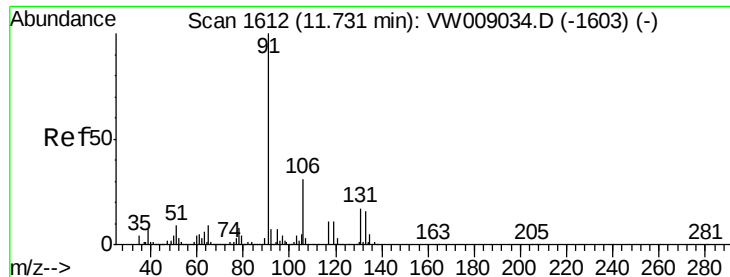
40000

20000

0

Time--> 11.65 11.70 11.75 11.80





#67

Ethyl Benzene

Concen: 19.732 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

Instrument :

MSVOA_W

ClientSampleId :

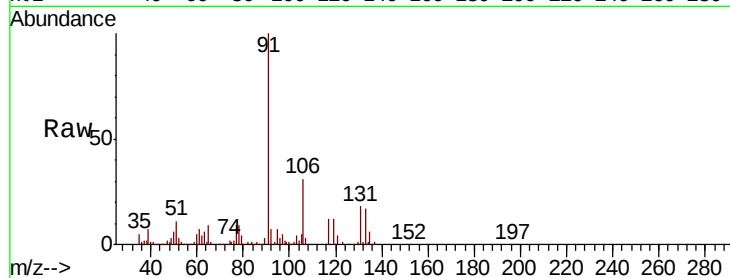
VW0312SBS03

Tgt Ion: 91 Resp: 275901

Ion Ratio Lower Upper

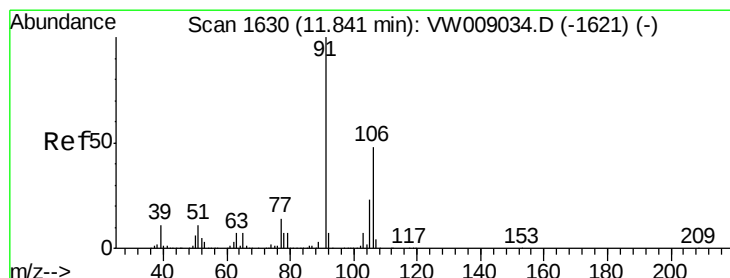
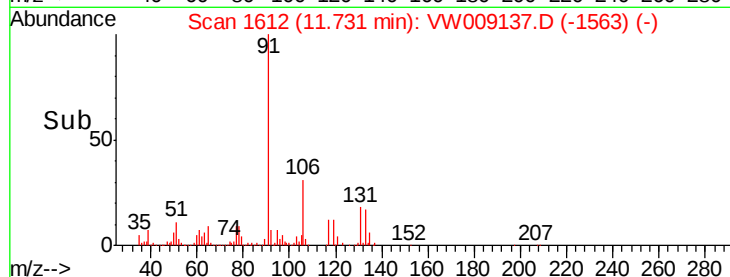
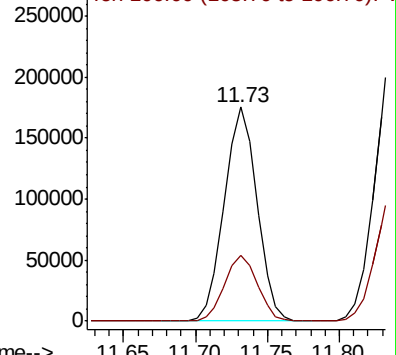
91 100

106 30.6 25.0 37.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 39.947 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW009137.D

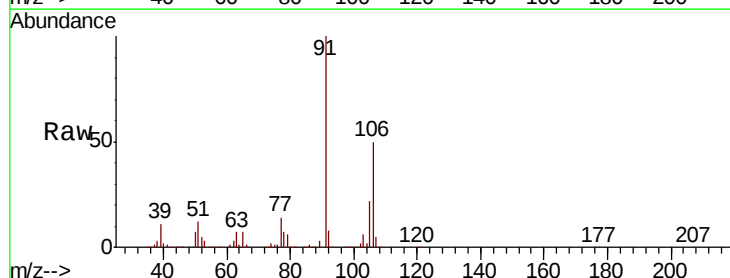
Acq: 13 Mar 2019 05:47

Tgt Ion: 106 Resp: 220468

Ion Ratio Lower Upper

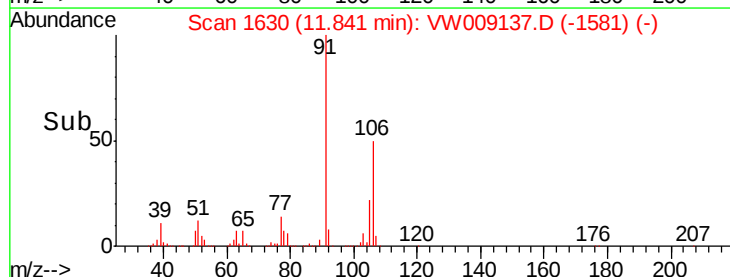
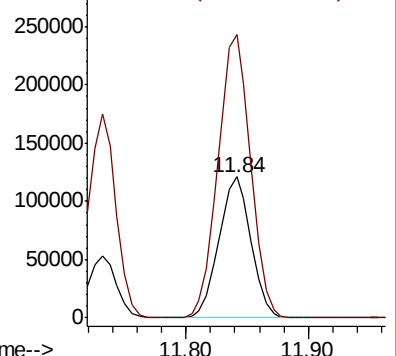
106 100

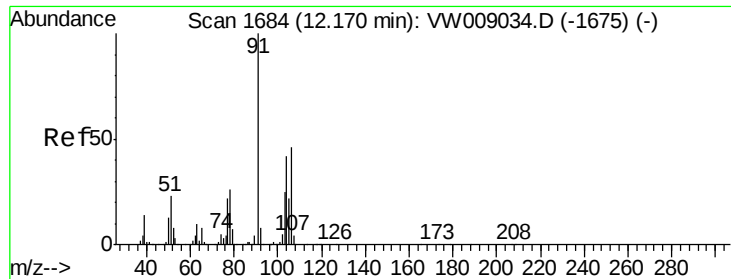
91 204.0 163.2 244.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

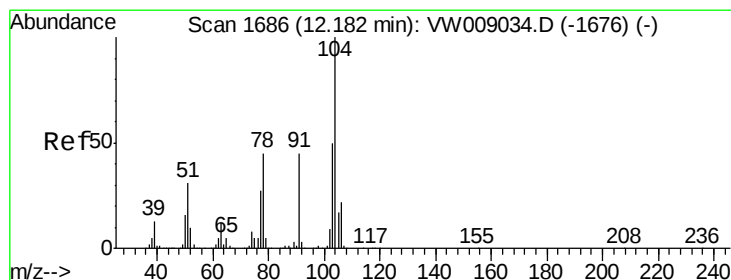
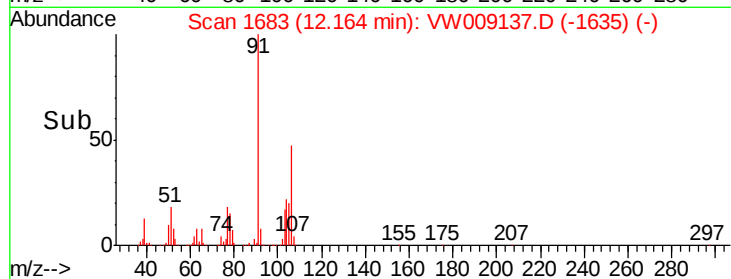
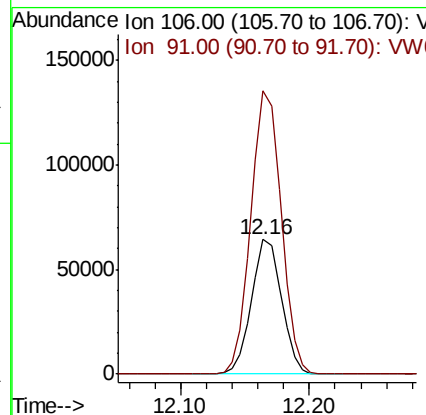
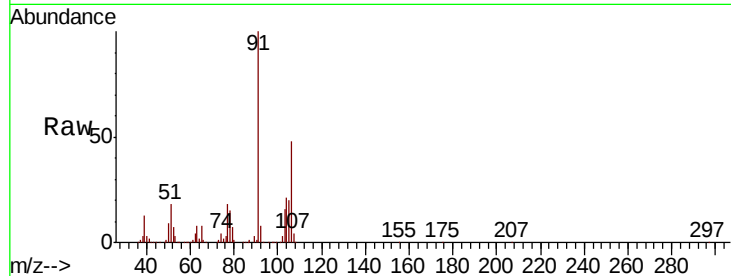




#69
o-Xylene
Concen: 20.204 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW009137.D
Acq: 13 Mar 2019 05:47

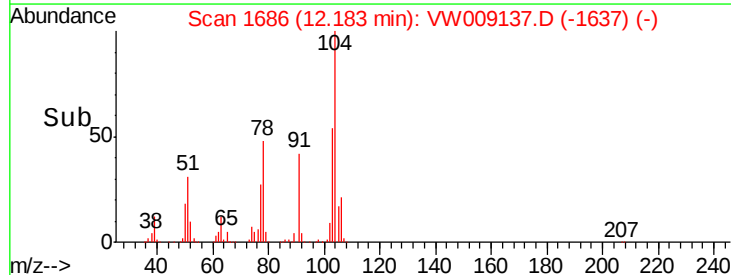
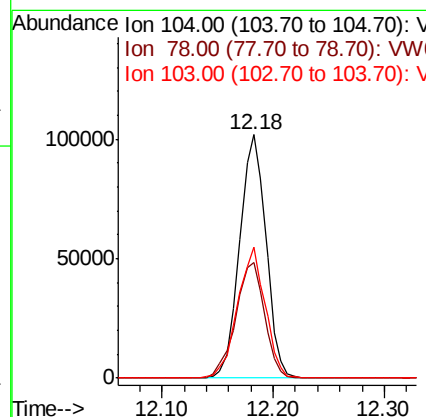
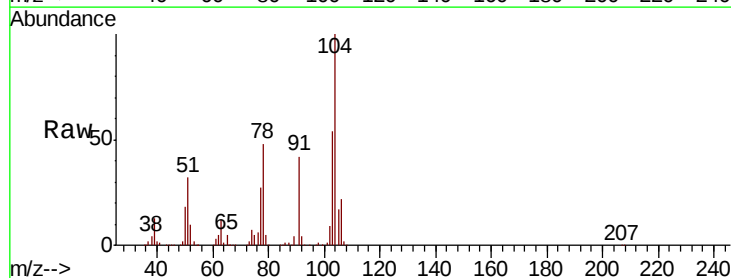
Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS03

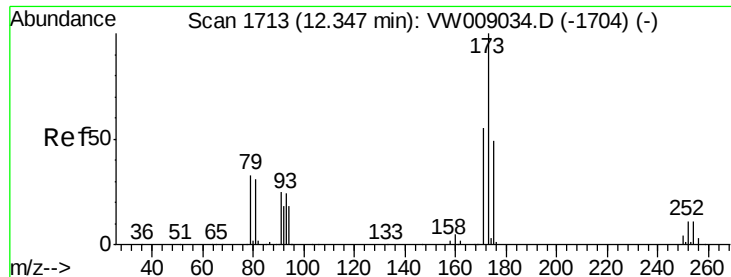
Tgt Ion:106 Resp: 103750
Ion Ratio Lower Upper
106 100
91 212.7 108.6 325.6



#70
Styrene
Concen: 20.101 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW009137.D
Acq: 13 Mar 2019 05:47

Tgt Ion:104 Resp: 167007
Ion Ratio Lower Upper
104 100
78 52.1 42.1 63.1
103 56.4 43.9 65.9





#71

Bromoform

Concen: 21.759 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS03

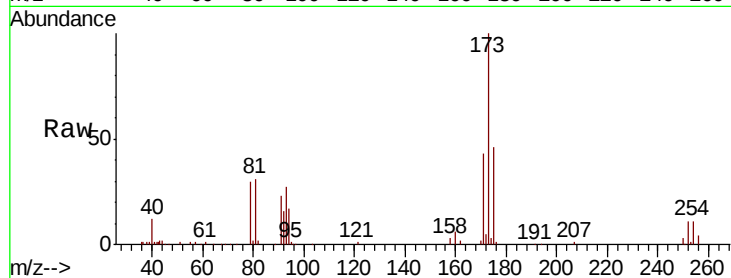
Tgt Ion:173 Resp: 30193

Ion Ratio Lower Upper

173 100

175 47.6 24.6 74.0

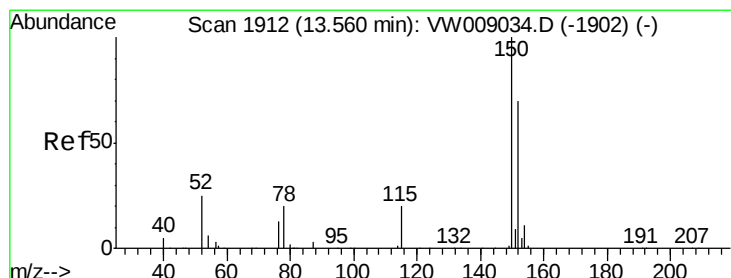
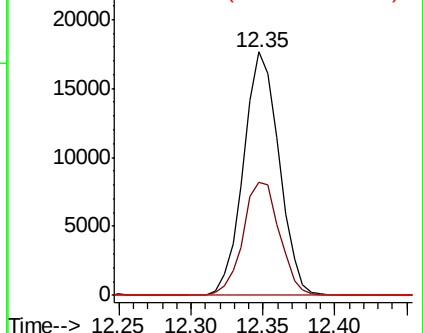
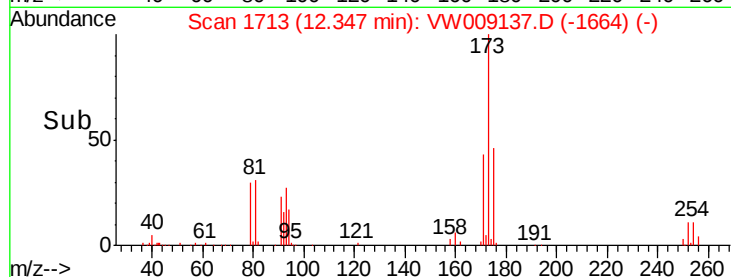
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

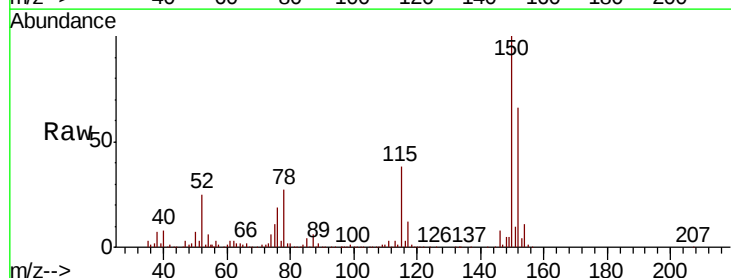
Tgt Ion:152 Resp: 194181

Ion Ratio Lower Upper

152 100

115 57.5 28.9 86.7

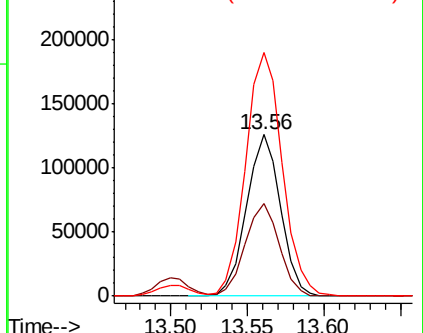
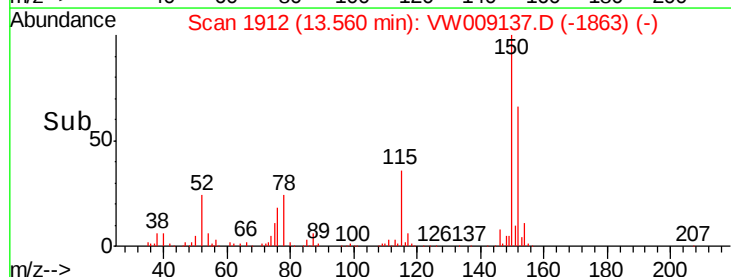
150 162.4 0.0 349.2

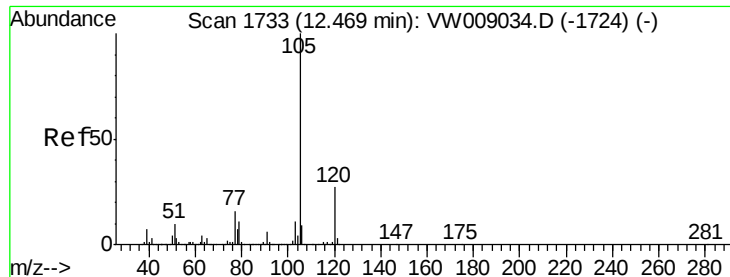


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.831 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

Instrument :

MSVOA_W

ClientSampleId :

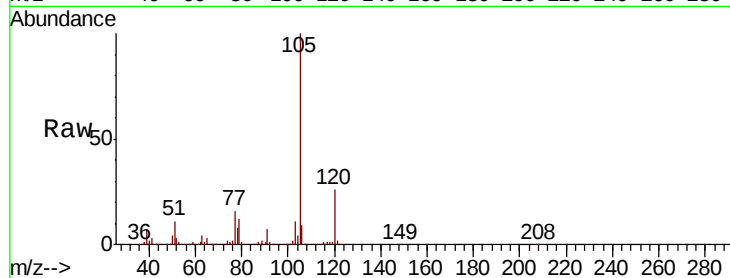
VW0312SBS03

Tgt Ion: 105 Resp: 275766

Ion Ratio Lower Upper

105 100

120 26.9 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

200000

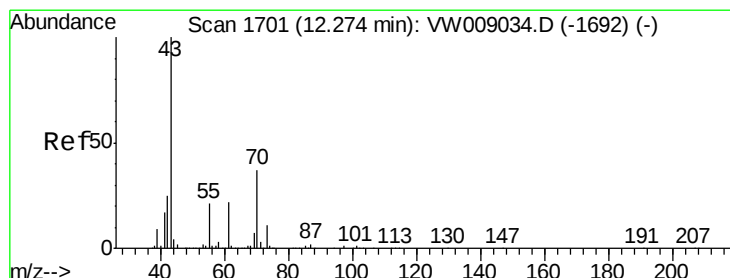
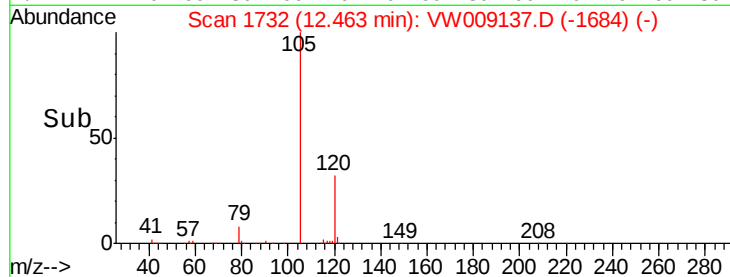
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 20.284 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

Tgt Ion: 43 Resp: 66773

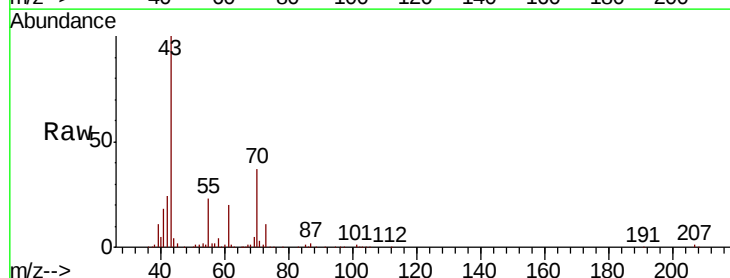
Ion Ratio Lower Upper

43 100

70 38.1 30.8 46.2

55 24.3 17.8 26.8

61 21.7 17.4 26.2



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

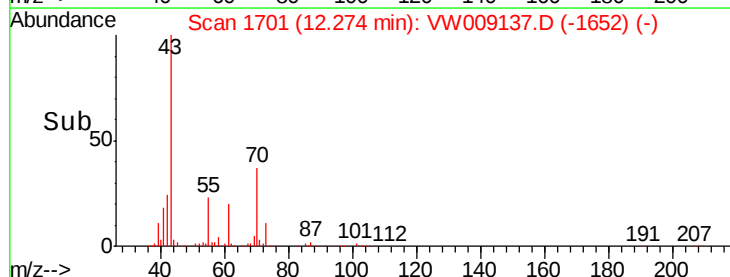
60000

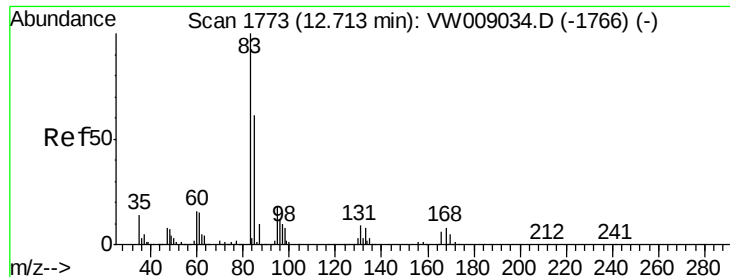
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.048 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS03

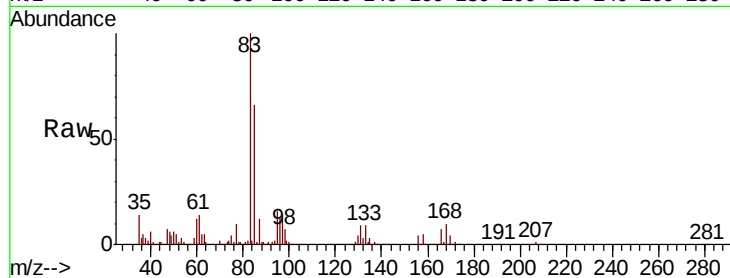
Tgt Ion: 83 Resp: 48362

Ion Ratio Lower Upper

83 100

131 11.0 5.5 16.7

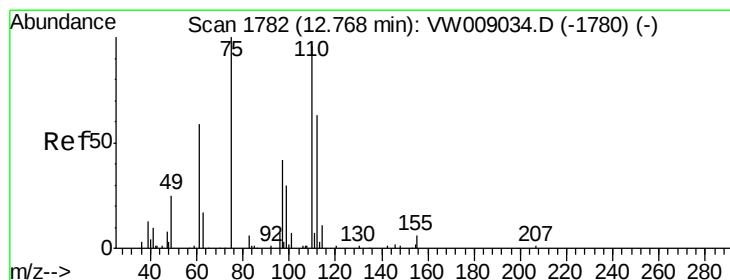
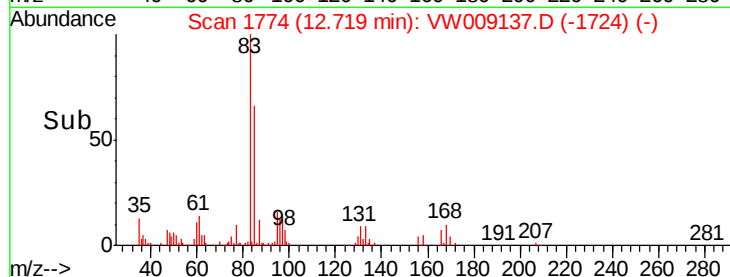
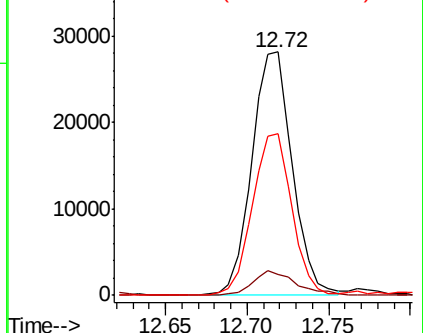
85 64.6 31.7 95.1



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 41.188 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW009137.D

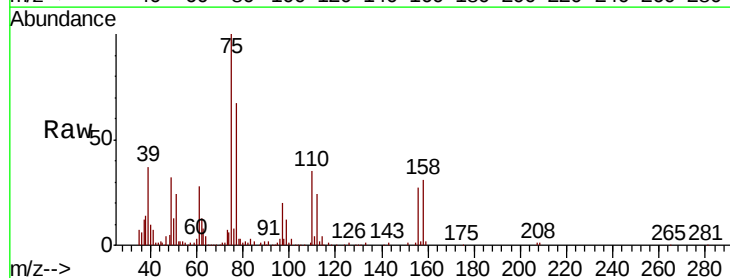
Acq: 13 Mar 2019 05:47

Tgt Ion: 75 Resp: 63191

Ion Ratio Lower Upper

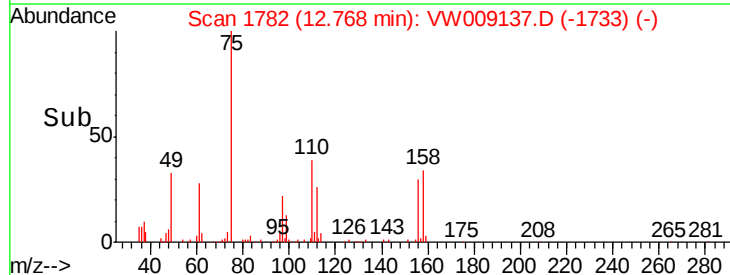
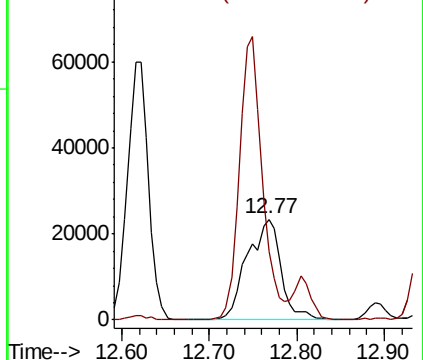
75 100

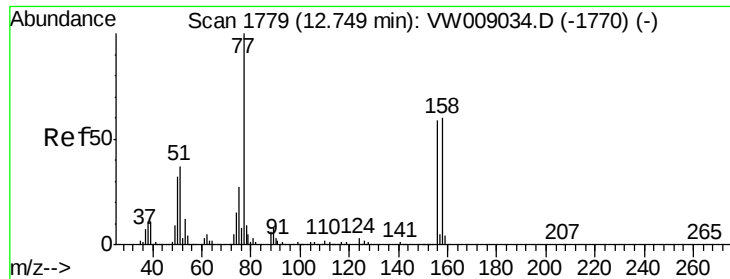
77 190.6 186.7 560.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

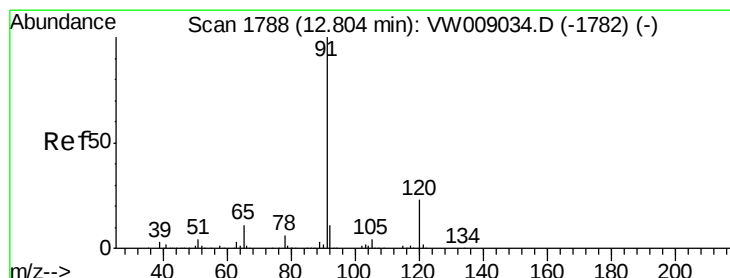
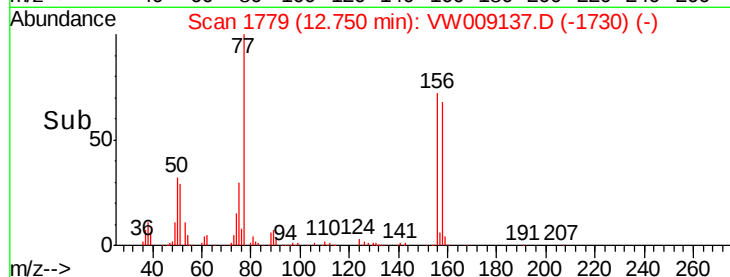
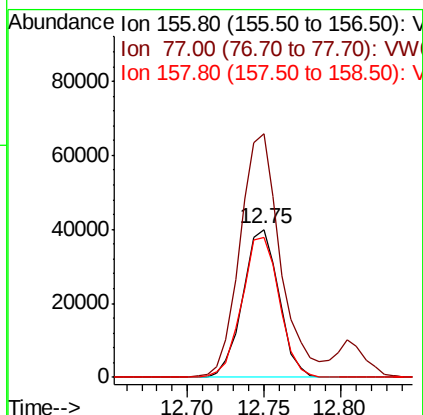
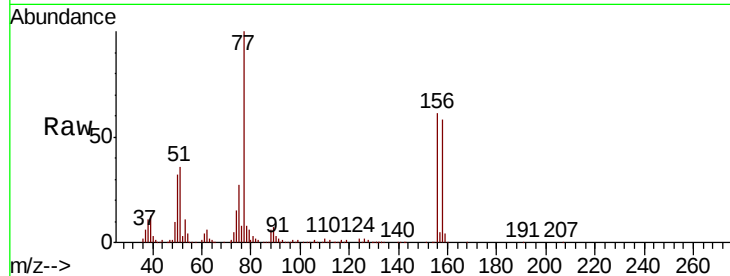




#77
Bromobenzene
Concen: 20.589 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW009137.D
Acq: 13 Mar 2019 05:47

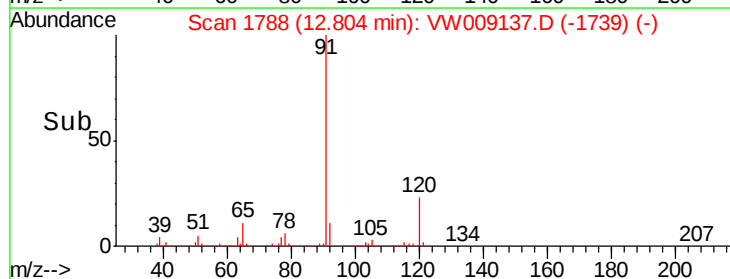
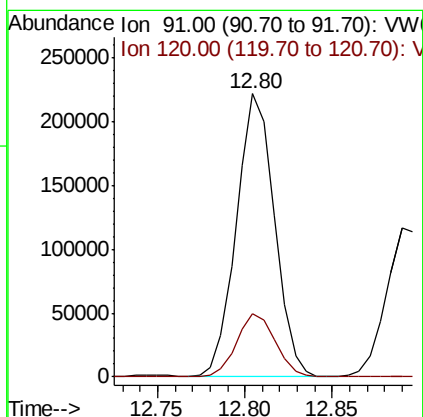
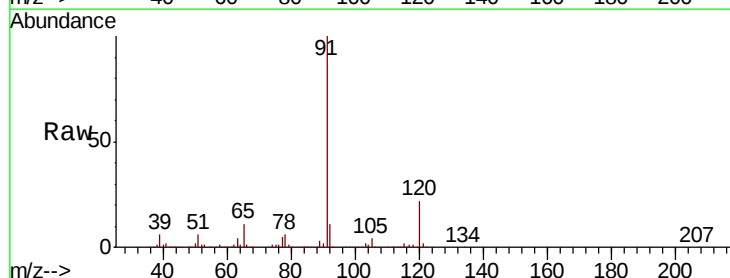
Instrument :
MSVOA_W
ClientSampled :
VW0312SBS03

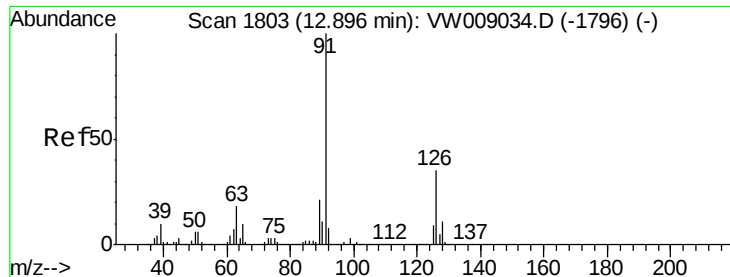
Tgt Ion:156 Resp: 65416
Ion Ratio Lower Upper
156 100
77 184.2 93.0 279.2
158 98.7 50.0 149.8



#78
n-propylbenzene
Concen: 19.587 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW009137.D
Acq: 13 Mar 2019 05:47

Tgt Ion: 91 Resp: 335492
Ion Ratio Lower Upper
91 100
120 22.7 11.4 34.2





#79

2-Chlorotoluene

Concen: 20.105 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

Instrument :

MSVOA_W

ClientSampleId :

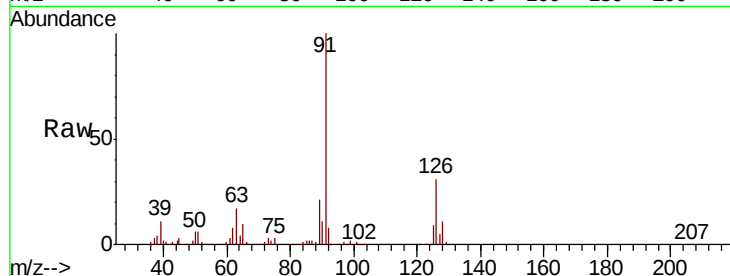
VW0312SBS03

Tgt Ion: 91 Resp: 193481

Ion Ratio Lower Upper

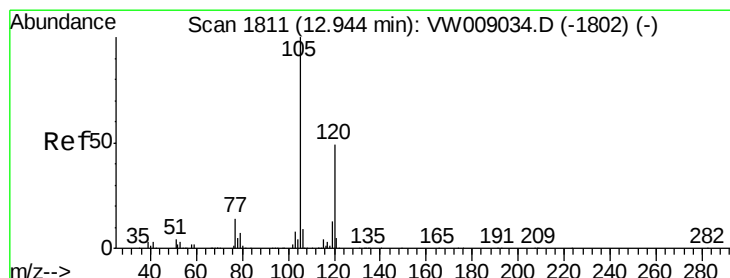
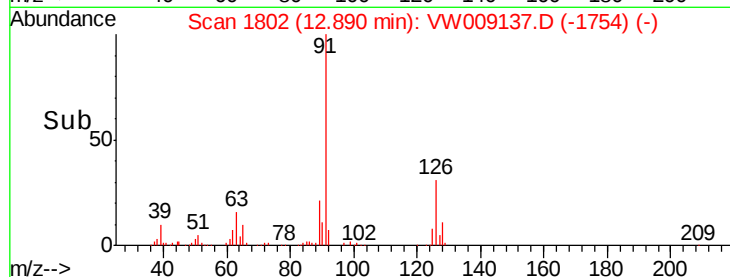
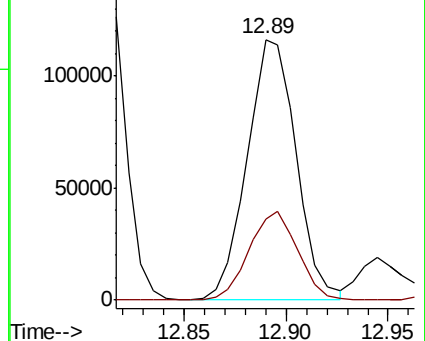
91 100

126 33.8 16.8 50.4



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: 19.689 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW009137.D

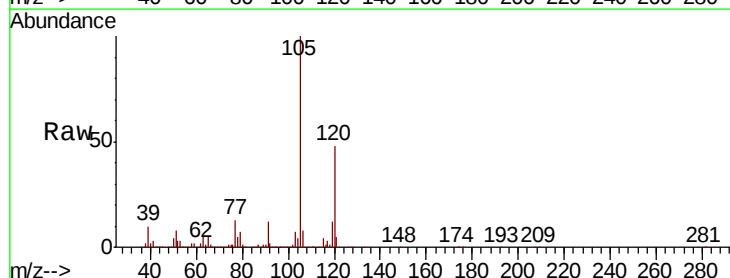
Acq: 13 Mar 2019 05:47

Tgt Ion: 105 Resp: 236002

Ion Ratio Lower Upper

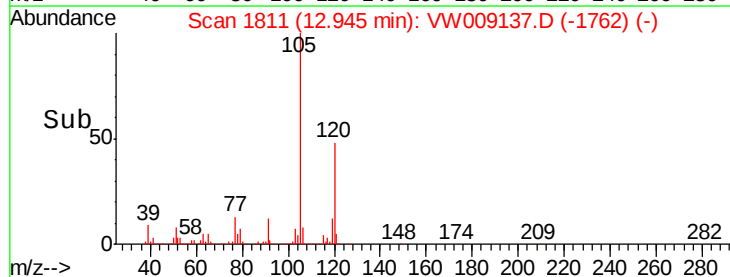
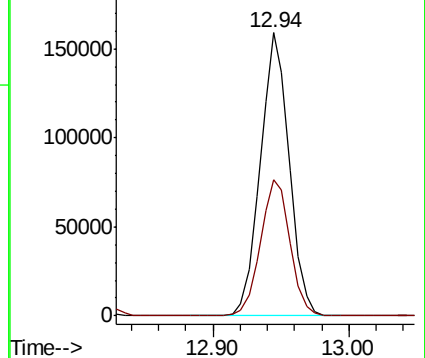
105 100

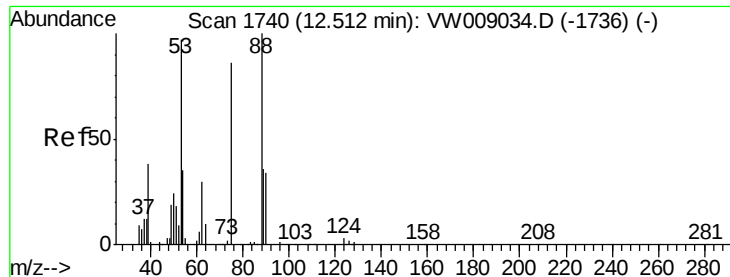
120 49.4 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

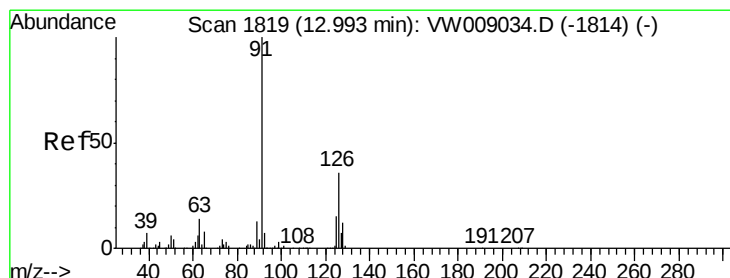
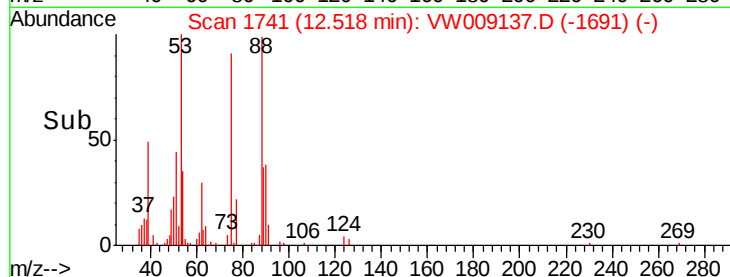
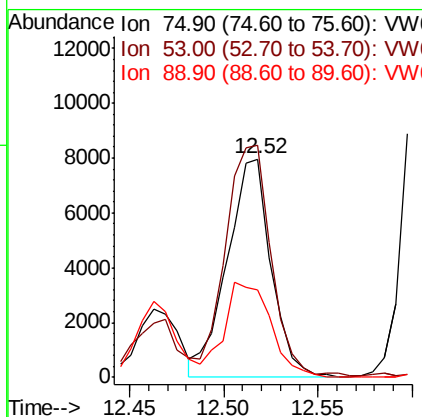
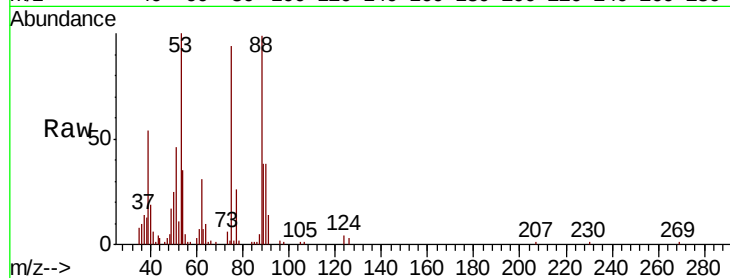




#81
trans-1,4-Dichloro-2-butene
Concen: 18.782 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.01 min
Lab File: VW009137.D
Acq: 13 Mar 2019 05:47

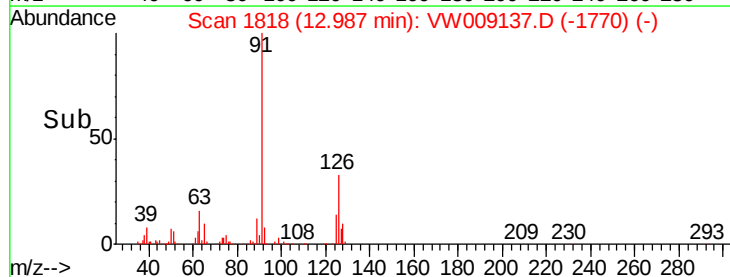
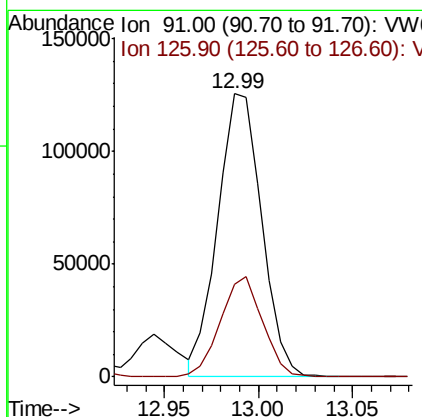
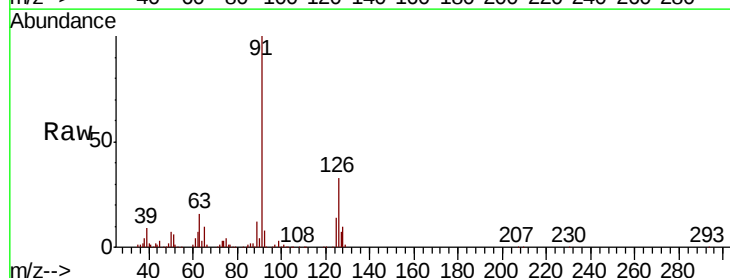
Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS03

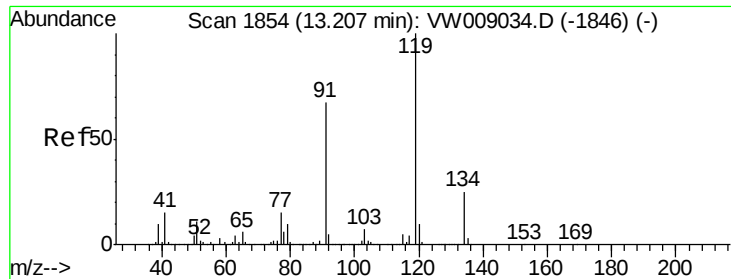
Tgt Ion: 75 Resp: 12883
Ion Ratio Lower Upper
75 100
53 108.3 90.5 135.7
89 46.3 37.5 56.3



#82
4-Chlorotoluene
Concen: 19.772 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.01 min
Lab File: VW009137.D
Acq: 13 Mar 2019 05:47

Tgt Ion: 91 Resp: 202822
Ion Ratio Lower Upper
91 100
126 34.4 16.6 49.8

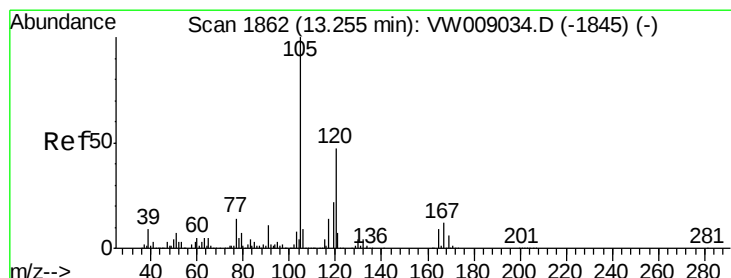
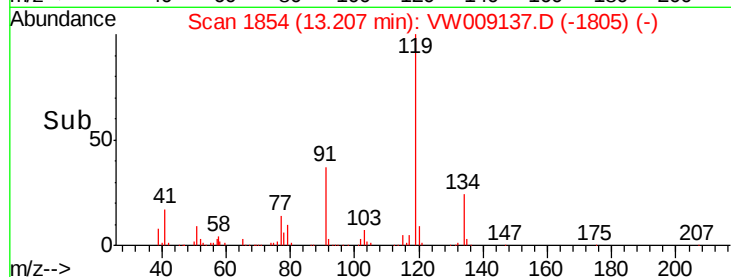
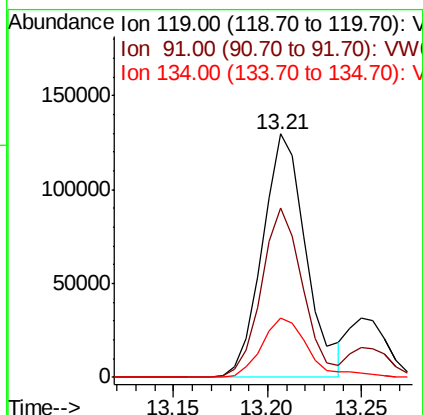
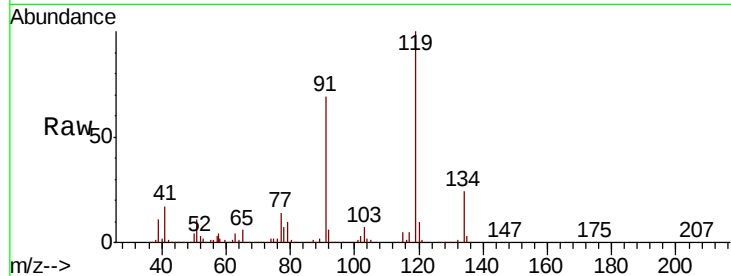




#83
 tert-Butylbenzene
 Concen: 20.643 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW009137.D
 Acq: 13 Mar 2019 05:47

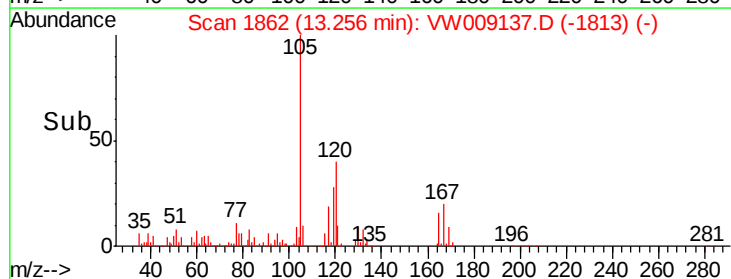
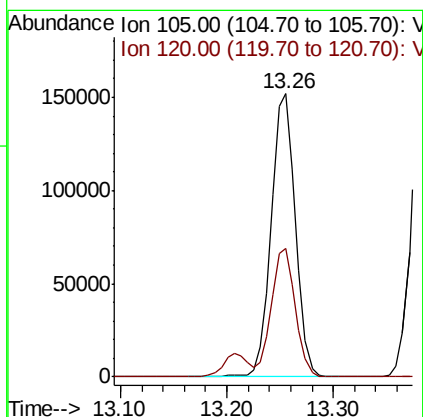
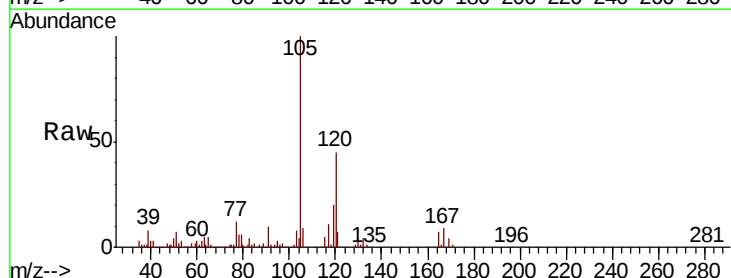
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBS03

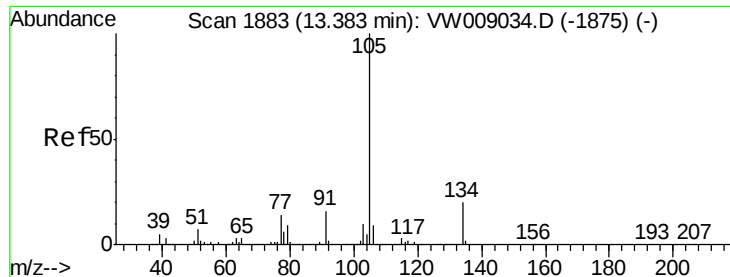
Tgt Ion:119 Resp: 208680
 Ion Ratio Lower Upper
 119 100
 91 65.9 34.2 102.5
 134 25.9 13.9 41.6



#84
 1,2,4-Trimethylbenzene
 Concen: 19.912 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW009137.D
 Acq: 13 Mar 2019 05:47

Tgt Ion:105 Resp: 241438
 Ion Ratio Lower Upper
 105 100
 120 44.9 22.8 68.4

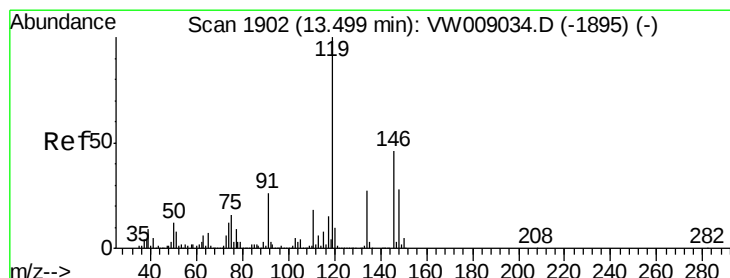
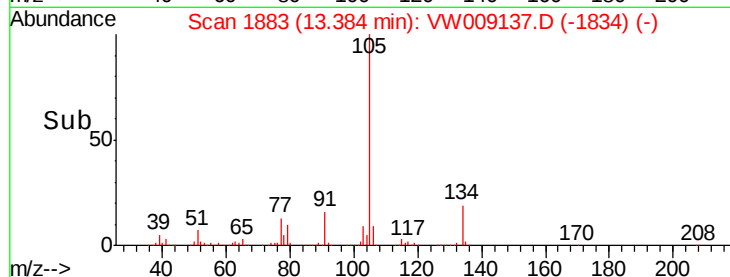
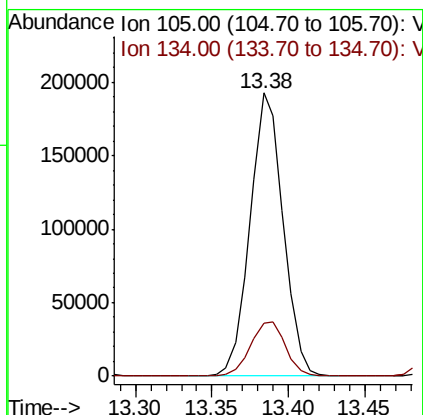
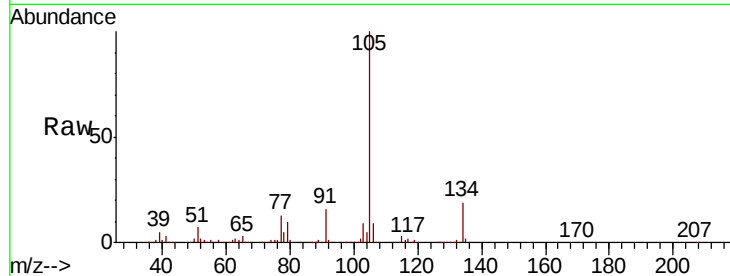




#85
 sec-Butylbenzene
 Concen: 19.320 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW009137.D
 Acq: 13 Mar 2019 05:47

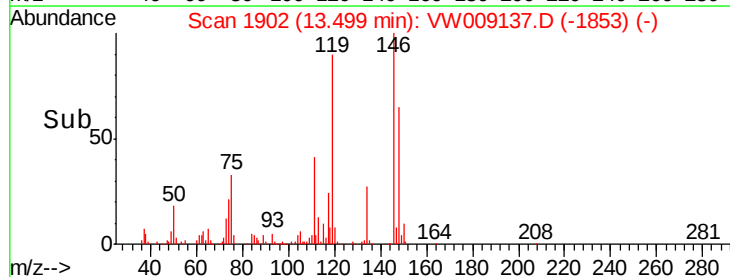
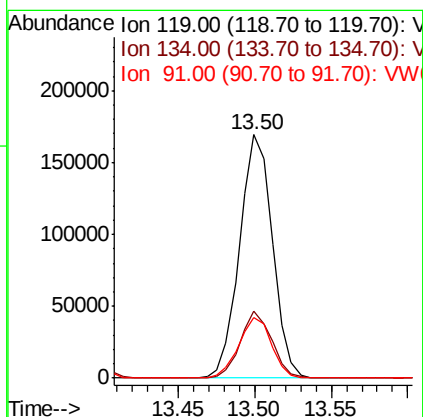
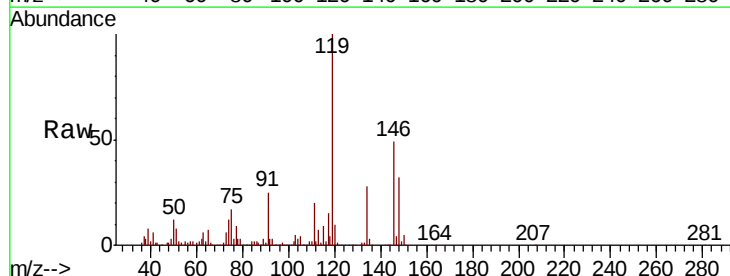
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBS03

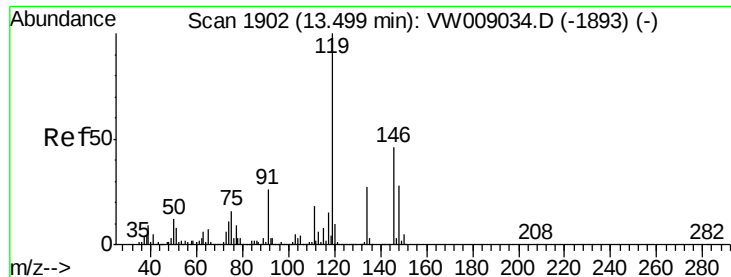
Tgt Ion:105 Resp: 289369
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.0 30.0



#86
 p-Isopropyltoluene
 Concen: 18.831 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009137.D
 Acq: 13 Mar 2019 05:47

Tgt Ion:119 Resp: 252317
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.3 39.9
 91 24.8 12.3 36.9

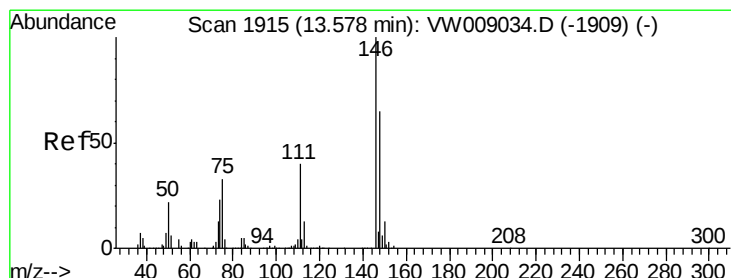
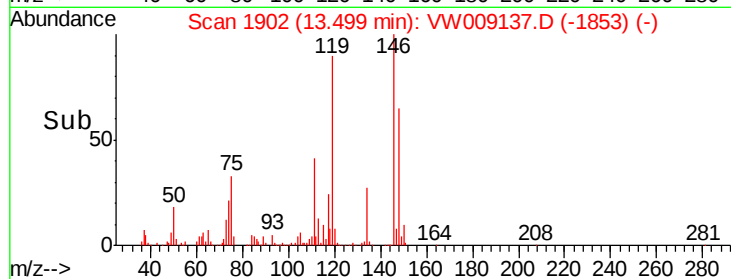
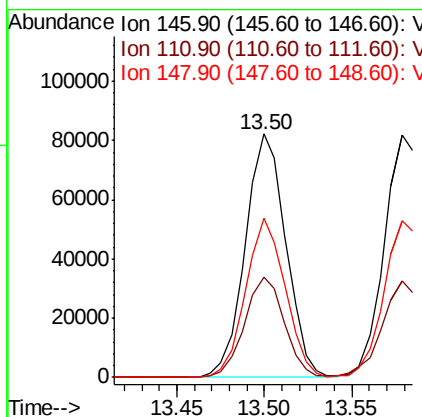
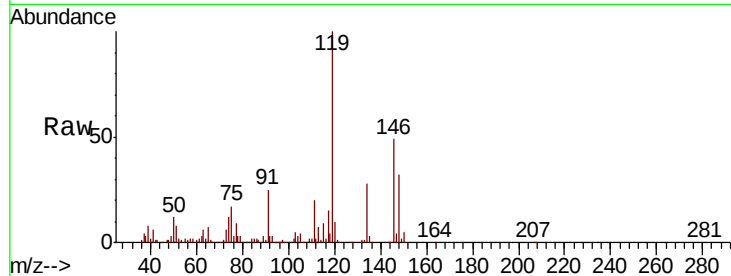




#87
 1,3-Dichlorobenzene
 Concen: 19.808 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009137.D
 Acq: 13 Mar 2019 05:47

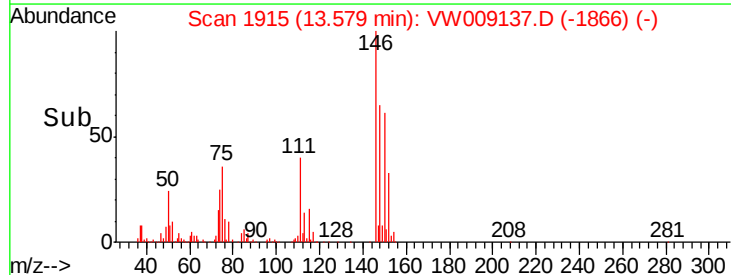
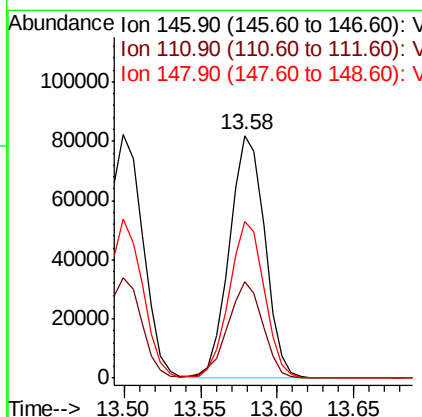
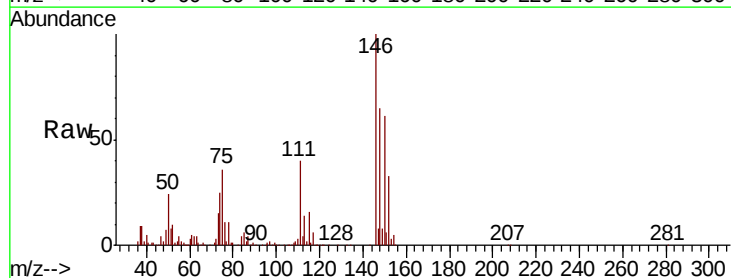
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBS03

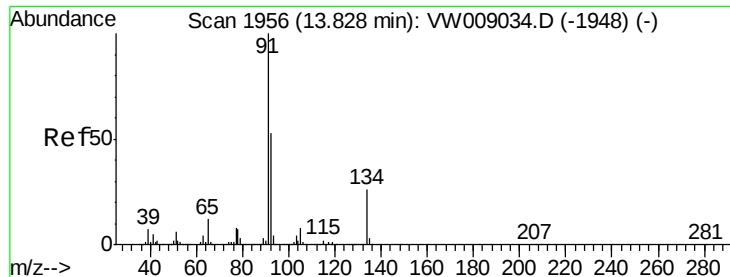
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	19.8	59.4
148	63.9	31.6	94.8



#88
 1,4-Dichlorobenzene
 Concen: 19.859 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW009137.D
 Acq: 13 Mar 2019 05:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.7	59.0
148	64.4	32.2	96.6





#89

n-Butylbenzene

Concen: 18.009 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS03

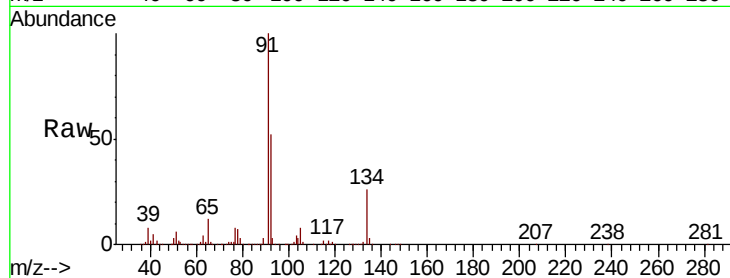
Tgt Ion: 91 Resp: 229389

Ion Ratio Lower Upper

91 100

92 52.5 26.8 80.3

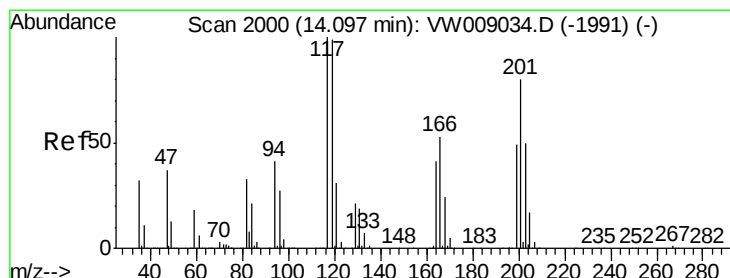
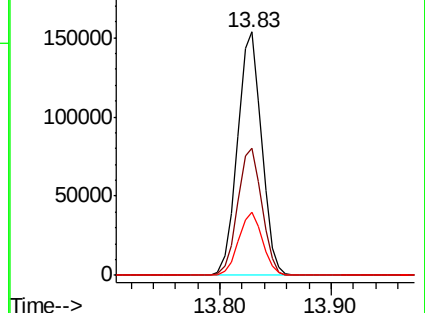
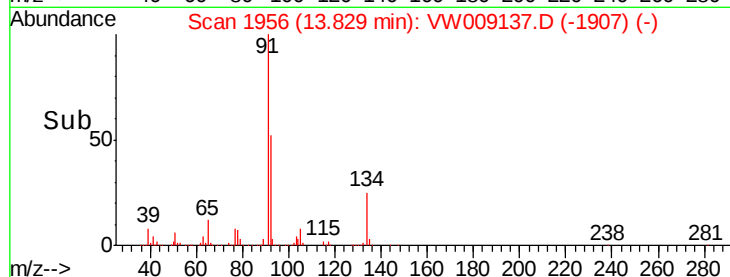
134 25.7 12.9 38.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 20.411 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW009137.D

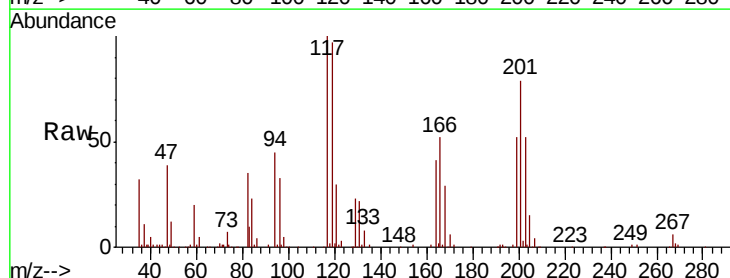
Acq: 13 Mar 2019 05:47

Tgt Ion: 117 Resp: 47167

Ion Ratio Lower Upper

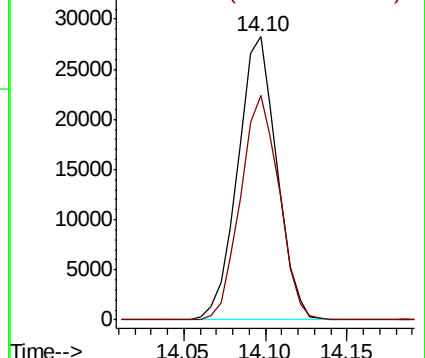
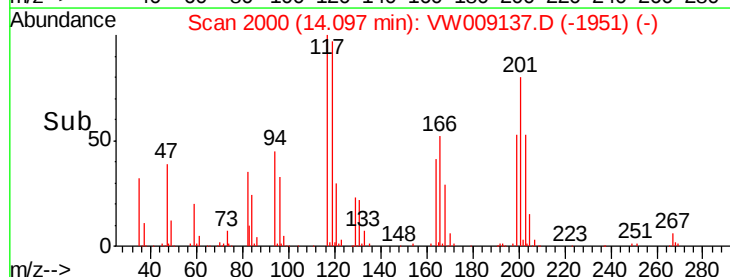
117 100

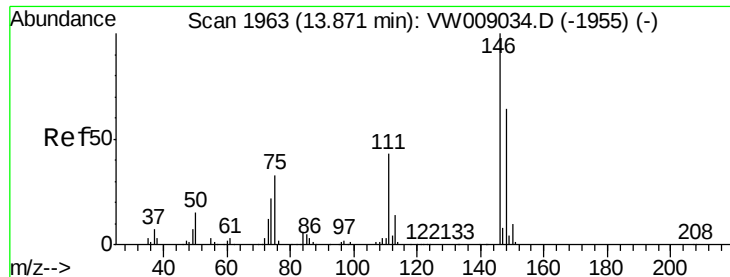
201 78.3 39.1 117.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

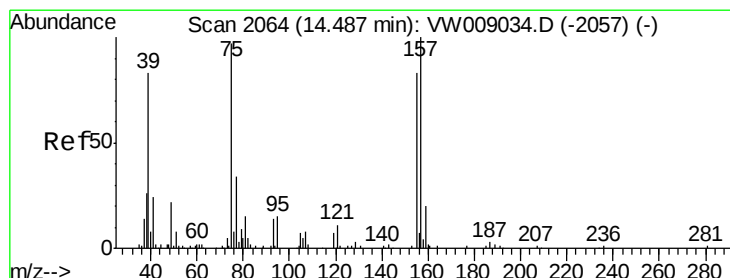
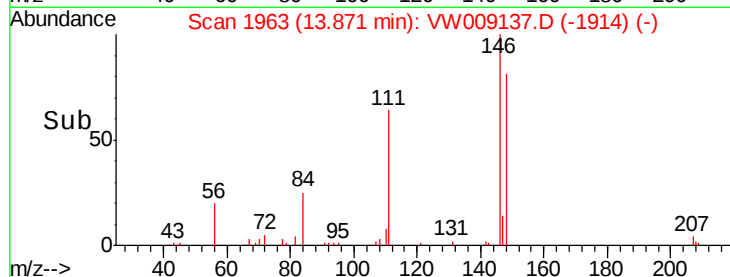
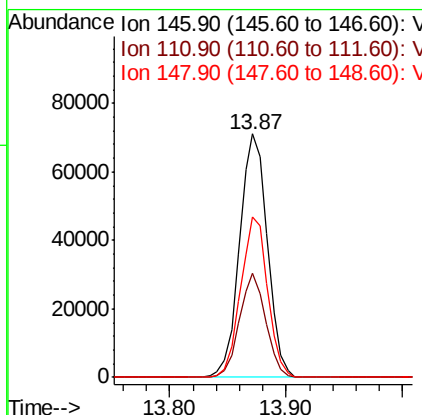
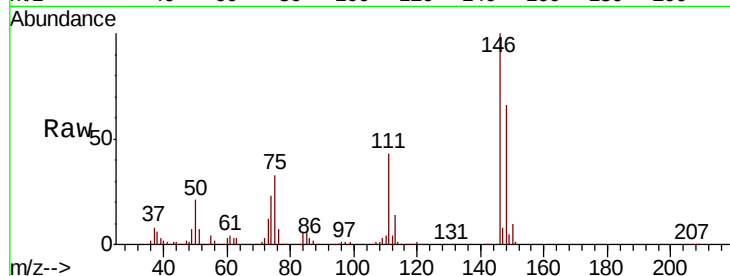




#91
 1,2-Dichlorobenzene
 Concen: 20.078 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW009137.D
 Acq: 13 Mar 2019 05:47

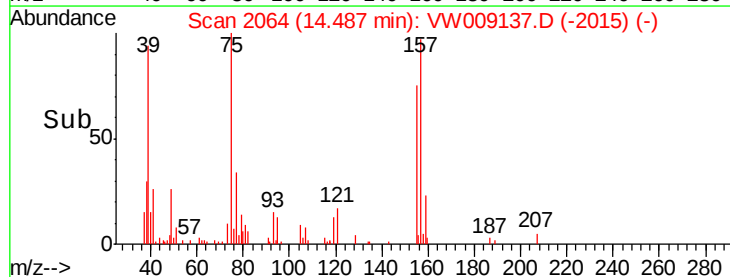
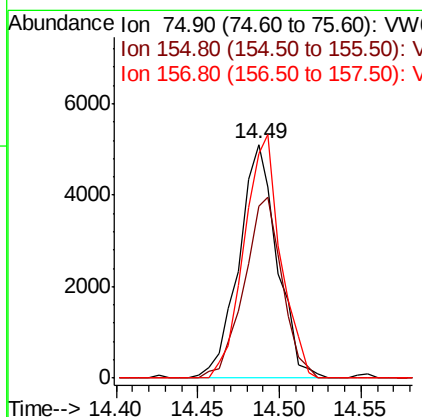
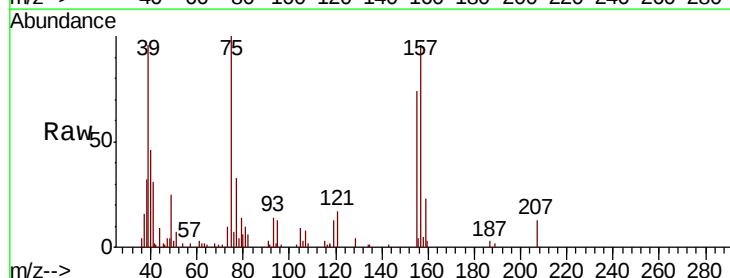
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBS03

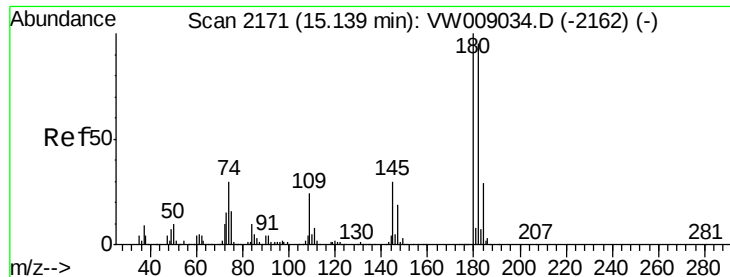
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	21.1	63.1
148	64.2	32.3	96.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.466 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW009137.D
 Acq: 13 Mar 2019 05:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.7	40.8	122.4
157	98.8	52.4	157.3

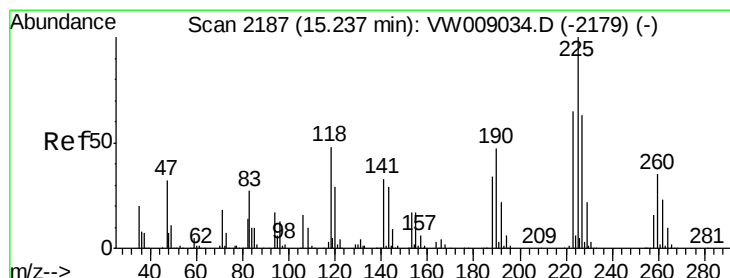
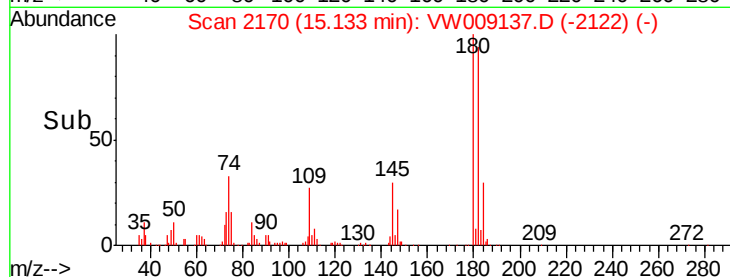
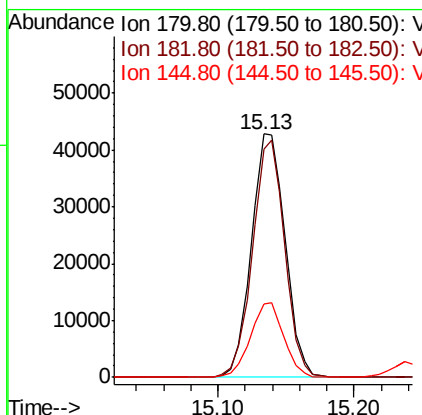
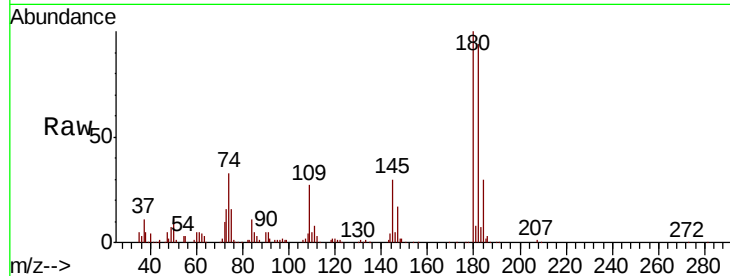




#93
 1,2,4-Trichlorobenzene
 Concen: 18.705 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW009137.D
 Acq: 13 Mar 2019 05:47

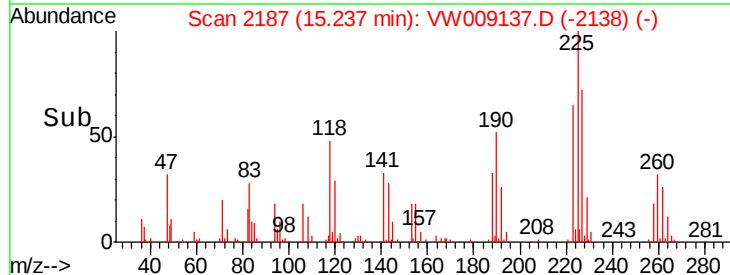
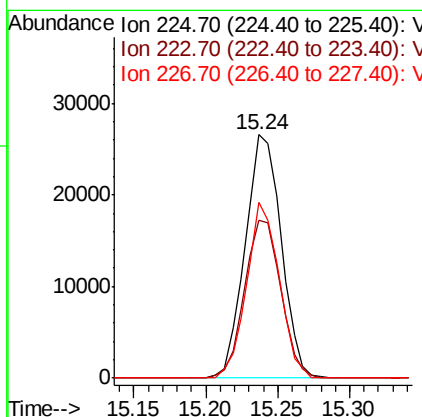
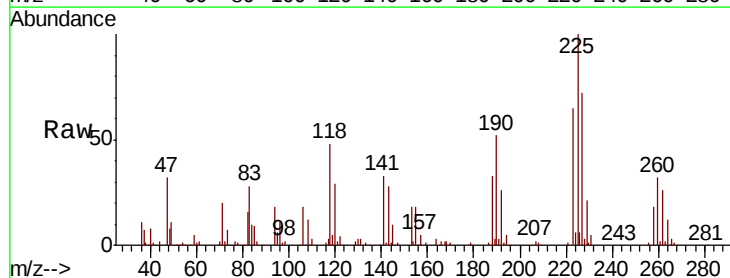
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBS03

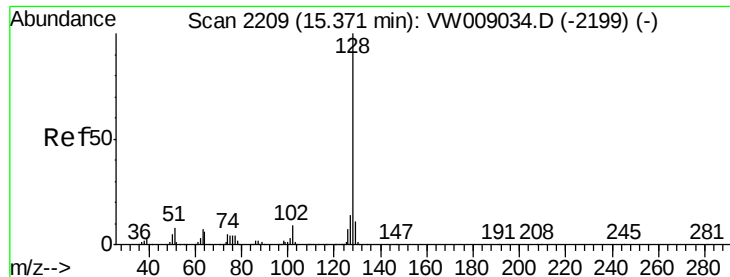
Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.1	48.1	144.3
145	30.3	15.4	46.1



#94
 Hexachlorobutadiene
 Concen: 18.435 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW009137.D
 Acq: 13 Mar 2019 05:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.3	31.6	94.8
227	65.3	32.0	96.2





#95

Naphthalene

Concen: 19.372 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS03

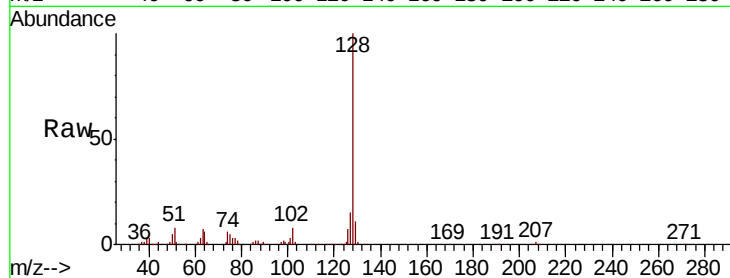
Tgt Ion:128 Resp: 126163

Ion Ratio Lower Upper

128 100

127 14.4 11.0 16.6

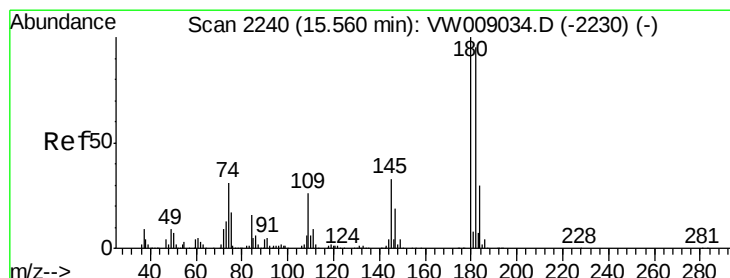
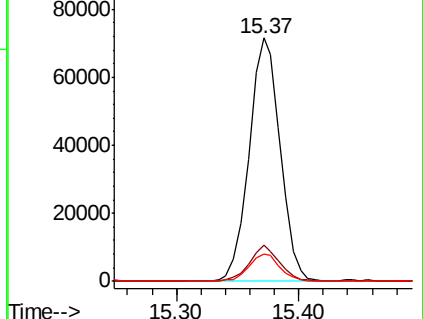
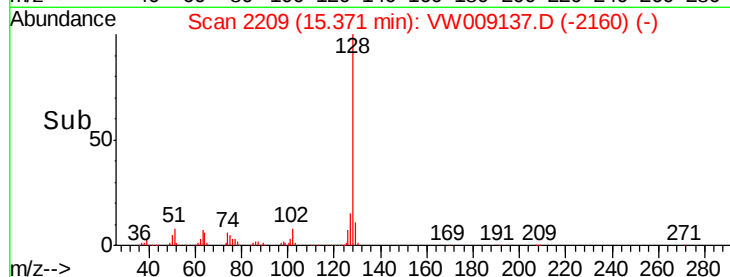
129 11.4 8.8 13.2



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: 19.127 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

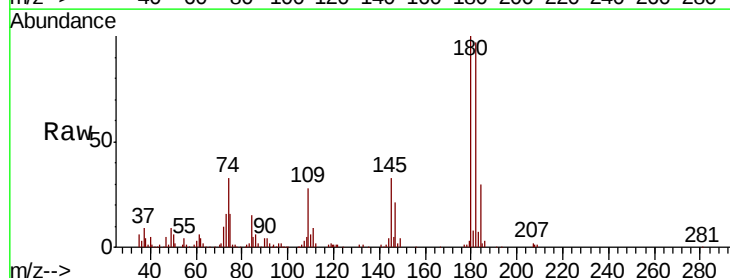
Tgt Ion:180 Resp: 66915

Ion Ratio Lower Upper

180 100

182 96.5 48.1 144.3

145 32.5 15.8 47.3



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

