

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081619\
 Data File : VW011933.D
 Acq On : 15 Aug 2019 17:26
 Operator : SY/VA
 Sample : VW0816SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0816SBS01

Quant Time: Aug 16 04:34:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	207467	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	339764	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	298880	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	144455	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	130373	54.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.46%	
35) Dibromofluoromethane	7.88	113	105121	55.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.30%	
50) Toluene-d8	10.32	98	426001	54.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.18%	
62) 4-Bromofluorobenzene	12.62	95	149577	53.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.52%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	27260	23.576	ug/l	92
3) Chloromethane	2.21	50	44008	21.950	ug/l	99
4) Vinyl Chloride	2.36	62	52707	21.836	ug/l	99
5) Bromomethane	2.76	94	27204	20.361	ug/l	92
6) Chloroethane	2.92	64	29205	21.181	ug/l	93
7) Trichlorofluoromethane	3.25	101	24103	22.343	ug/l	98
8) Diethyl Ether	3.68	74	25002	20.441	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	44016	21.509	ug/l	100
10) Methyl Iodide	4.27	142	59802	20.679	ug/l	98
11) Tert butyl alcohol	5.16	59	16072	79.235	ug/l #	91
12) 1,1-Dichloroethene	4.04	96	45329	20.979	ug/l	97
13) Acrolein	3.89	56	11947	69.891	ug/l	95
14) Allyl chloride	4.67	41	95750	20.835	ug/l	98
15) Acrylonitrile	5.36	53	62681	102.660	ug/l	98
16) Acetone	4.12	43	59964	79.129	ug/l	97
17) Carbon Disulfide	4.39	76	138508	20.481	ug/l	98
18) Methyl Acetate	4.67	43	35271	20.718	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	70625	20.598	ug/l	98
20) Methylene Chloride	4.91	84	53562	20.494	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	49154	21.101	ug/l	95
22) Diisopropyl ether	6.31	45	183295	21.155	ug/l	95
23) Vinyl Acetate	6.25	43	548686	100.782	ug/l	99
24) 1,1-Dichloroethane	6.21	63	98594	21.247	ug/l	99
25) 2-Butanone	7.17	43	87622	88.363	ug/l	100
26) 2,2-Dichloropropane	7.17	77	54473	19.088	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	53859	21.008	ug/l	99
28) Bromochloromethane	7.51	49	45914	22.292	ug/l #	99
29) Tetrahydrofuran	7.53	42	55885	98.595	ug/l	99
30) Chloroform	7.67	83	92014	21.493	ug/l	99
31) Cyclohexane	7.95	56	93298	20.946	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	71921	22.060	ug/l	99
36) 1,1-Dichloropropene	8.08	75	74915	21.205	ug/l	99
37) Ethyl Acetate	7.25	43	40128	19.742	ug/l	100
38) Carbon Tetrachloride	8.07	117	65195	21.556	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	80855	20.784	ug/l	97
40) Benzene	8.32	78	207953	21.014	ug/l	100
41) Methacrylonitrile	7.49	41	23745	19.543	ug/l	98
42) 1,2-Dichloroethane	8.40	62	65541	21.154	ug/l	99
43) Isopropyl Acetate	8.43	43	74133	19.832	ug/l	99
44) Trichloroethene	9.09	130	49478	20.803	ug/l	100
45) 1,2-Dichloropropane	9.37	63	56285	21.257	ug/l	99
46) Dibromomethane	9.46	93	24698	20.437	ug/l	99
47) Bromodichloromethane	9.65	83	66167	20.872	ug/l	100
48) Methyl methacrylate	9.43	41	35776	19.924	ug/l	98
49) 1,4-Dioxane	9.45	88	7525	430.036	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	191170	98.320	ug/l	100
52) Toluene	10.39	92	125167	20.945	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	65620	19.816	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	79316	20.144	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	35396	20.643	ug/l	98
56) Ethyl methacrylate	10.65	69	49077	19.559	ug/l	98
57) 1,3-Dichloropropane	10.93	76	66326	20.445	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	126863	111.356	ug/l	100
59) 2-Hexanone	10.97	43	131718	95.945	ug/l	99
60) Dibromochloromethane	11.13	129	39267	20.630	ug/l	97
61) 1,2-Dibromoethane	11.24	107	31998	19.719	ug/l	98
64) Tetrachloroethene	10.86	164	40968	21.052	ug/l	95
65) Chlorobenzene	11.66	112	126901	21.119	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	43168	20.625	ug/l	97
67) Ethyl Benzene	11.73	91	239295	20.910	ug/l	100
68) m/p-Xylenes	11.84	106	175032	42.056	ug/l	100
69) o-Xylene	12.16	106	80308	20.765	ug/l	98
70) Styrene	12.18	104	139960	20.930	ug/l	100
71) Bromoform	12.35	173	21251	19.914	ug/l #	98
73) Isopropylbenzene	12.46	105	225302	20.906	ug/l	99
74) N-amyl acetate	12.27	43	68602	20.333	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	41902	20.671	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	55226	36.131	ug/l #	100
77) Bromobenzene	12.75	156	50260	21.100	ug/l	98
78) n-propylbenzene	12.80	91	274273	20.912	ug/l	99
79) 2-Chlorotoluene	12.89	91	156839	20.758	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	194011	21.477	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	12783	19.274	ug/l	93
82) 4-Chlorotoluene	12.99	91	167768	21.163	ug/l	100
83) tert-Butylbenzene	13.21	119	159881	21.164	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	191865	21.084	ug/l	99
85) sec-Butylbenzene	13.38	105	227590	21.114	ug/l	100
86) p-Isopropyltoluene	13.50	119	206417	21.106	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	95941	20.542	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	96613	20.795	ug/l	98
89) n-Butylbenzene	13.82	91	202858	20.785	ug/l	99
90) Hexachloroethane	14.09	117	35382	20.459	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	85604	20.723	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7006	20.268	ug/l	96

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Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	57180	19.641	ug/l	99
94) Hexachlorobutadiene	15.24	225	38931	21.443	ug/l	100
95) Naphthalene	15.36	128	98606	18.642	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	50483	19.782	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011933.D

Acq: 15 Aug 2019 17:26

Instrument :

MSVOA_W

ClientSampleId :

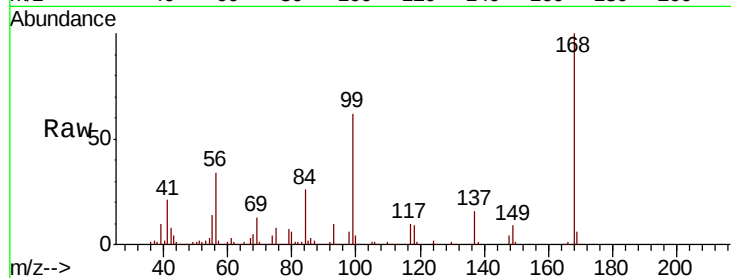
VW0816SBSD01

Tgt Ion:168 Resp: 207467

Ion Ratio Lower Upper

168 100

99 62.0 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VW011512.D (-980) (-)

Ion 98.90 (98.60 to 99.60): VW011512.D (-980) (-)

7.95

100000

80000

60000

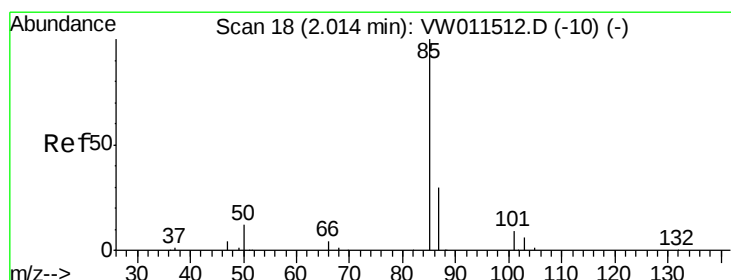
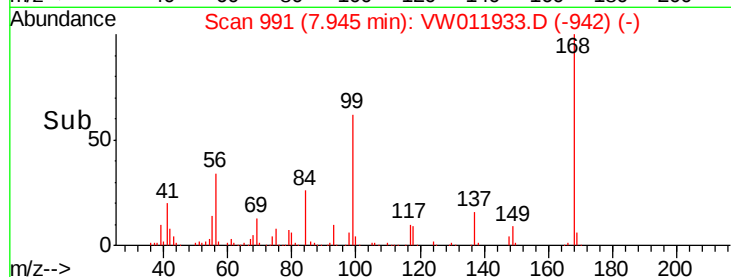
40000

20000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 23.576 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011933.D

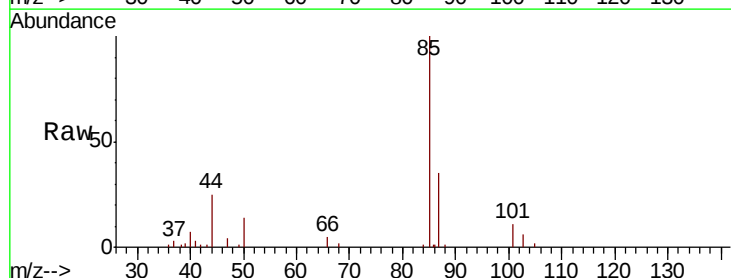
Acq: 15 Aug 2019 17:26

Tgt Ion: 85 Resp: 27260

Ion Ratio Lower Upper

85 100

87 34.8 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW011512.D (-10) (-)

Ion 86.90 (86.60 to 87.60): VW011512.D (-10) (-)

2.01

10000

8000

6000

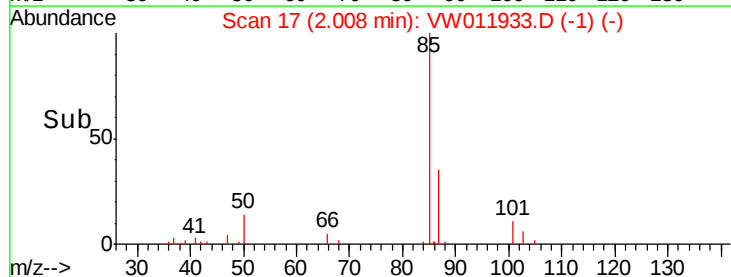
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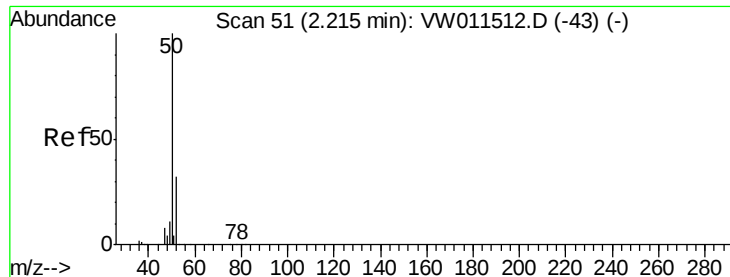
2000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 21.950 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011933.D

Acq: 15 Aug 2019 17:26

Instrument :

MSVOA_W

ClientSampleId :

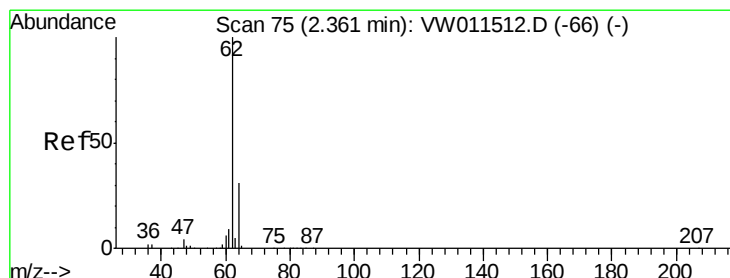
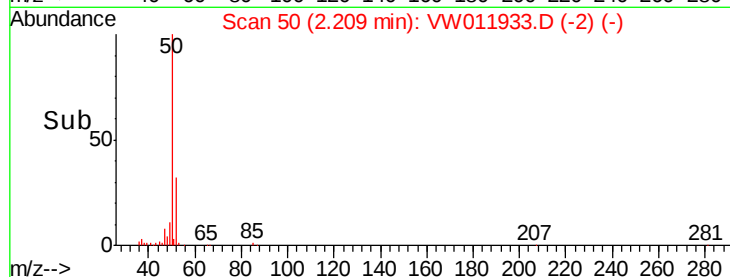
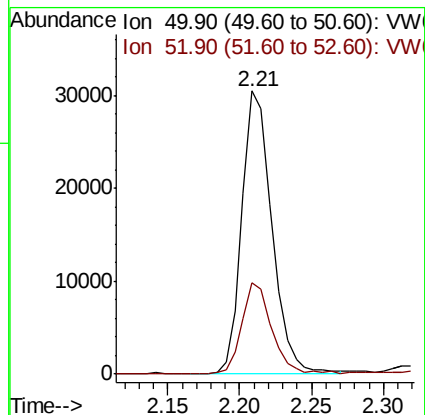
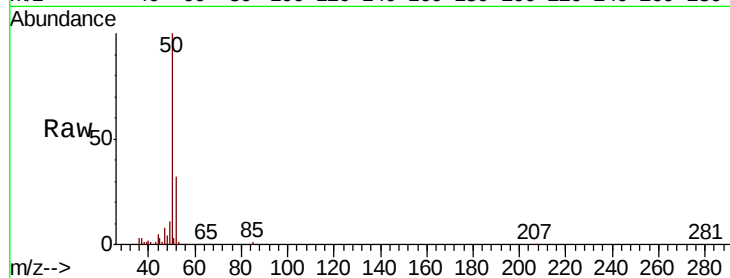
VW0816SBS01

Tgt Ion: 50 Resp: 44008

Ion Ratio Lower Upper

50 100

52 32.2 25.4 38.2



#4

Vinyl Chloride

Concen: 21.836 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011933.D

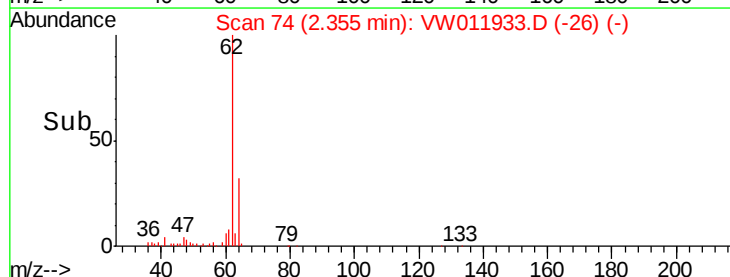
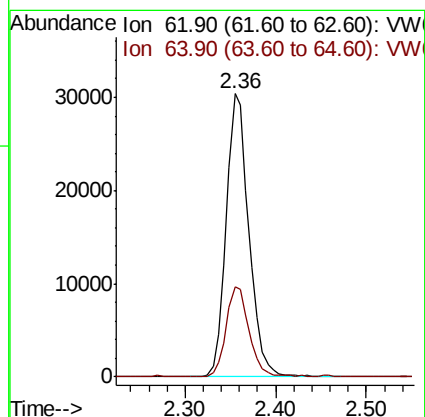
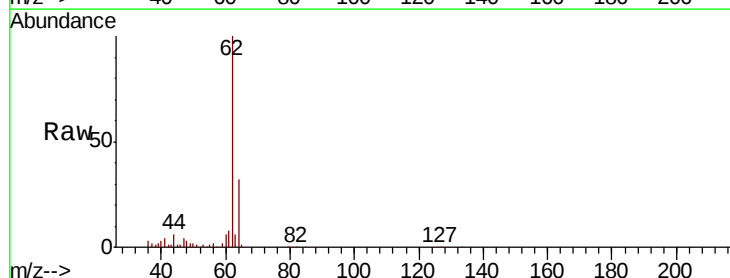
Acq: 15 Aug 2019 17:26

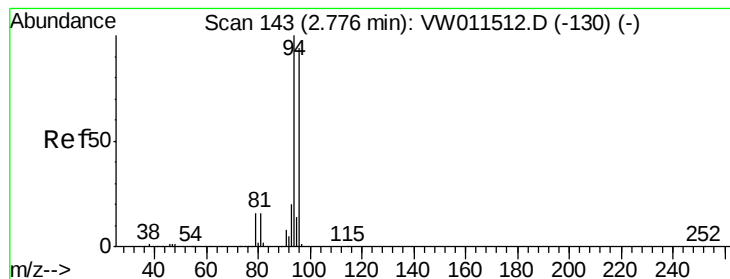
Tgt Ion: 62 Resp: 52707

Ion Ratio Lower Upper

62 100

64 31.7 25.0 37.4





#5

Bromomethane

Concen: 20.361 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW011933.D

Acq: 15 Aug 2019 17:26

Instrument :

MSVOA_W

ClientSampleId :

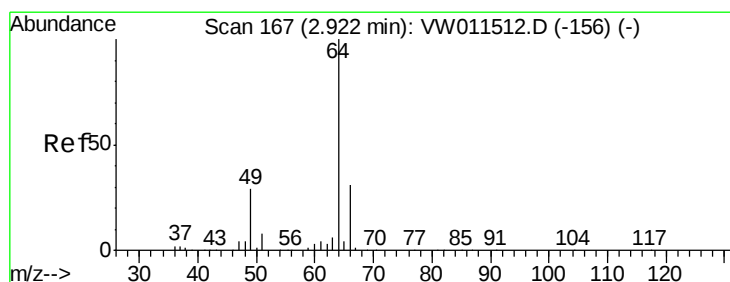
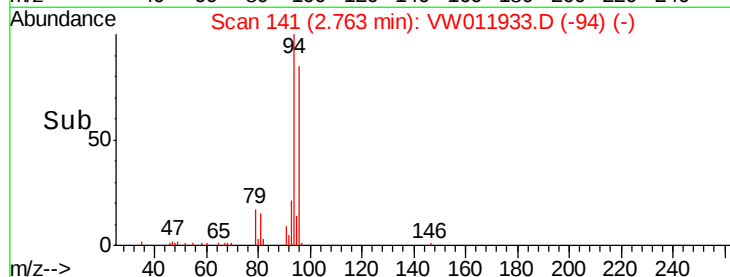
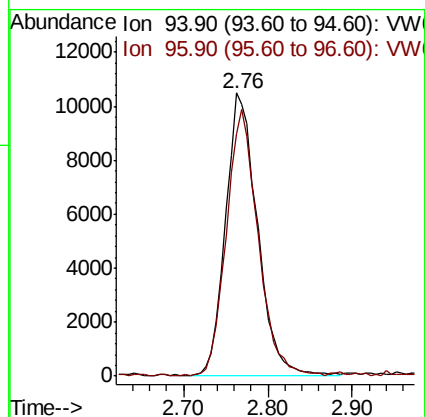
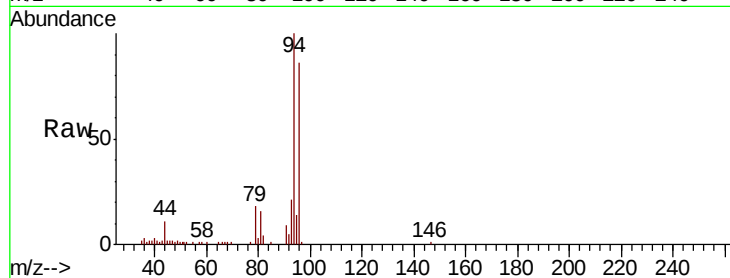
VW0816SBSD01

Tgt Ion: 94 Resp: 27204

Ion Ratio Lower Upper

94 100

96 85.6 75.0 112.6



#6

Chloroethane

Concen: 21.181 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW011933.D

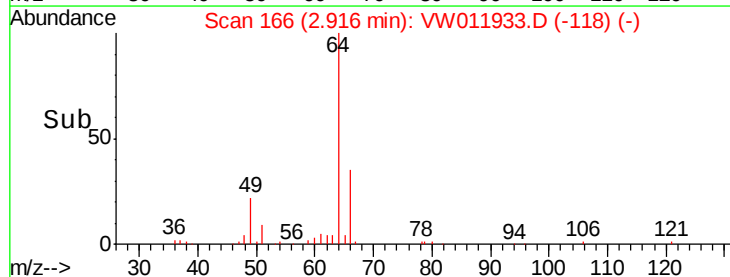
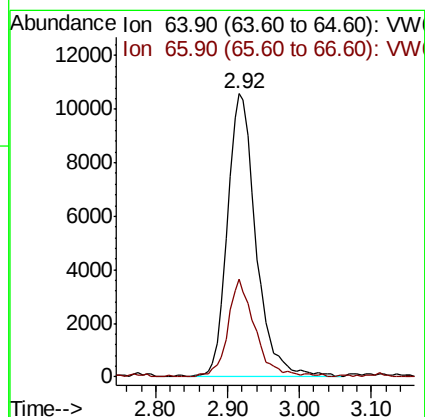
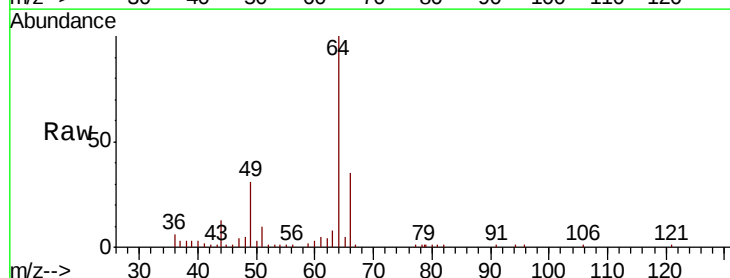
Acq: 15 Aug 2019 17:26

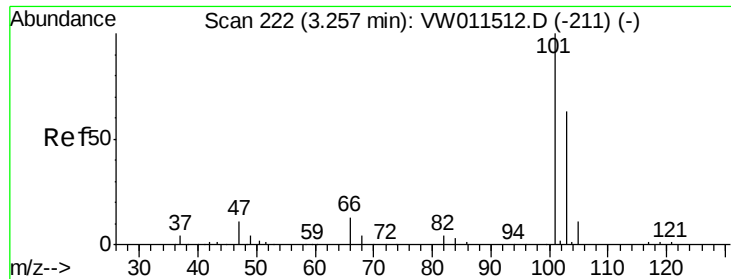
Tgt Ion: 64 Resp: 29205

Ion Ratio Lower Upper

64 100

66 34.7 24.6 36.8



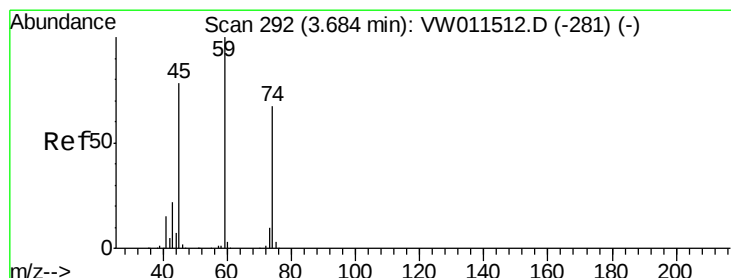
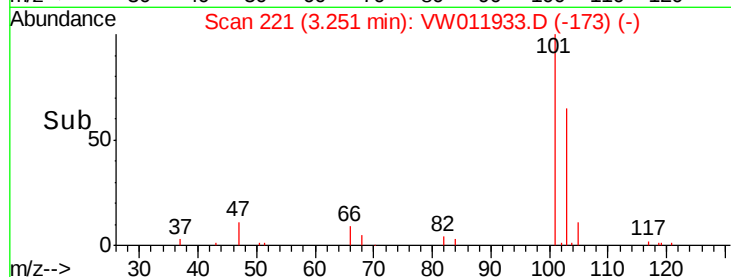
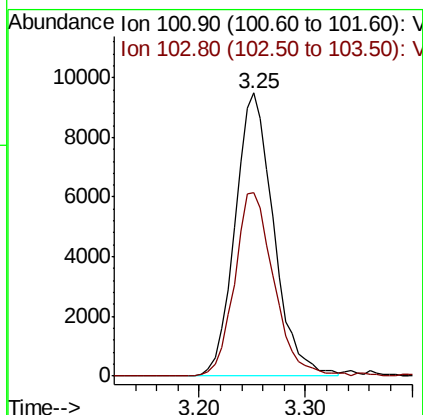
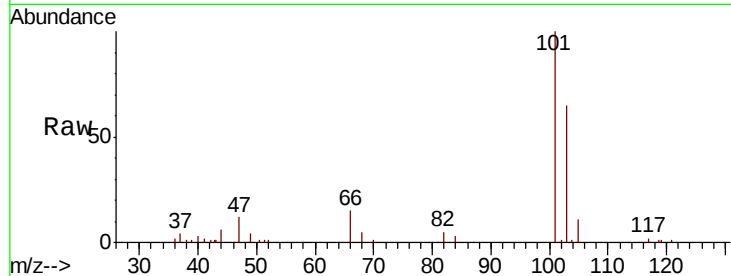


#7

Trichlorofluoromethane
 Concen: 22.343 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW011933.D
 Acq: 15 Aug 2019 17:26

Instrument :
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 VW0816SBSD01

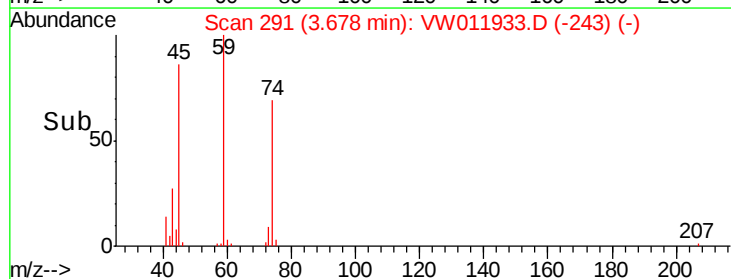
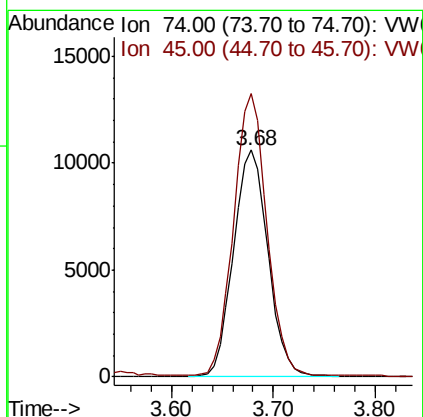
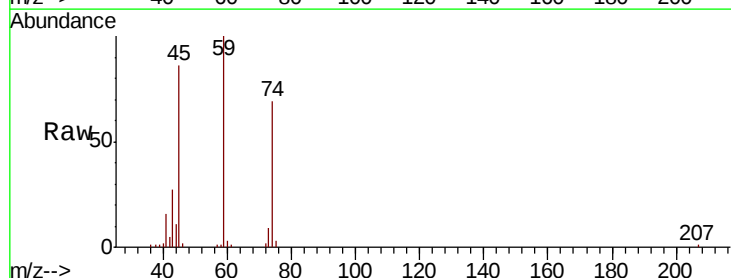
Tgt Ion:101 Resp: 24103
 Ion Ratio Lower Upper
 101 100
 103 64.7 50.2 75.4

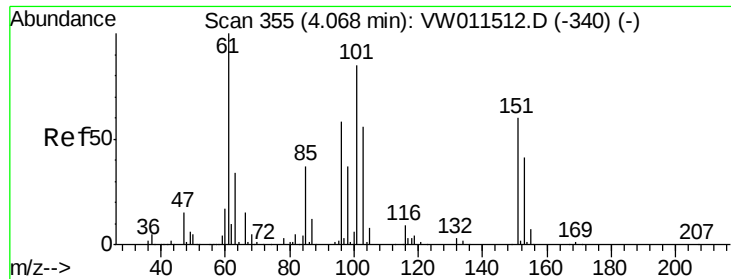


#8

Diethyl Ether
 Concen: 20.441 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW011933.D
 Acq: 15 Aug 2019 17:26

Tgt Ion: 74 Resp: 25002
 Ion Ratio Lower Upper
 74 100
 45 119.2 59.6 178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.509 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW011933.D

Acq: 15 Aug 2019 17:26

Instrument :

MSVOA_W

ClientSampleId :

VW0816SBS01

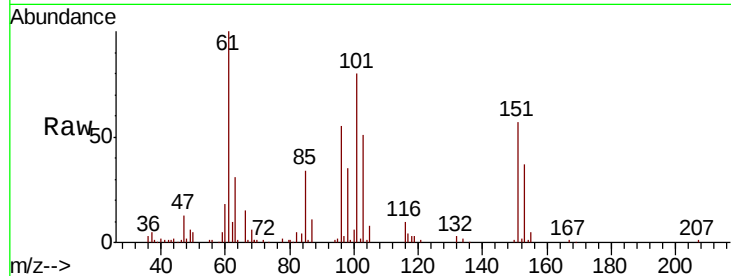
Tgt Ion:101 Resp: 44016

Ion Ratio Lower Upper

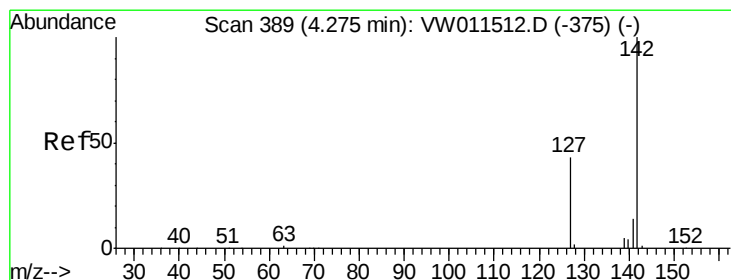
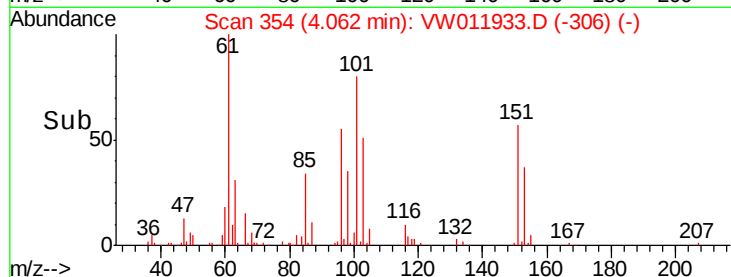
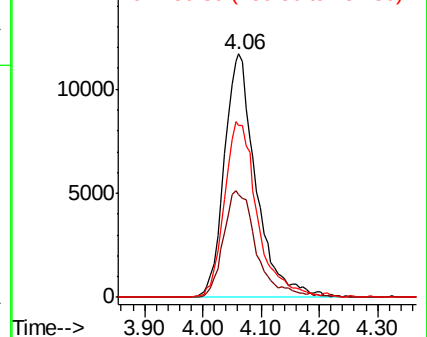
101 100

85 45.7 36.6 54.8

151 75.0 60.2 90.2



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: 20.679 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.01 min

Lab File: VW011933.D

Acq: 15 Aug 2019 17:26

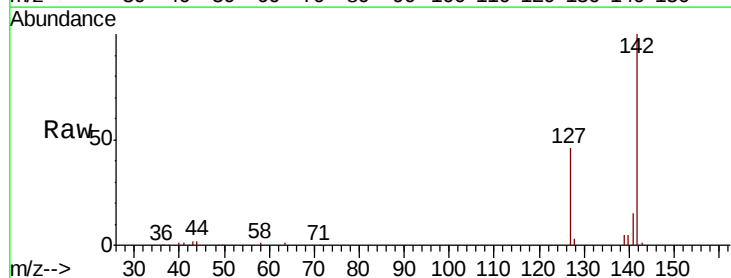
Tgt Ion:142 Resp: 59802

Ion Ratio Lower Upper

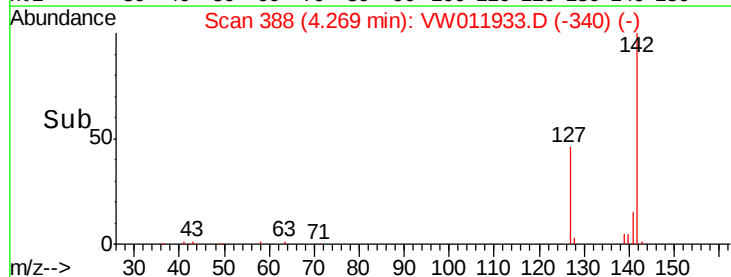
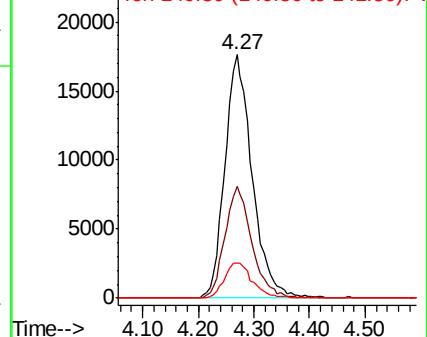
142 100

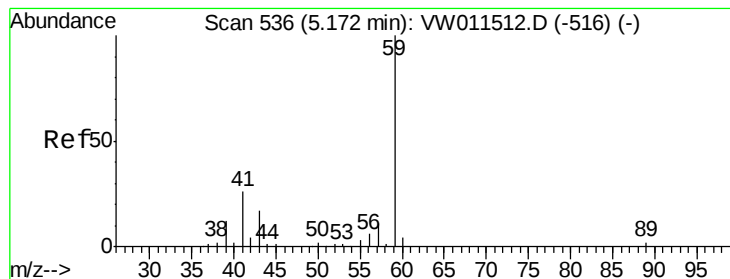
127 45.3 35.0 52.6

141 14.8 11.9 17.9



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: 79.235 ug/l

RT: 5.16 min Scan# 534

Delta R.T. -0.01 min

Lab File: VW011933.D

Acq: 15 Aug 2019 17:26

Instrument :

MSVOA_W

ClientSampleId :

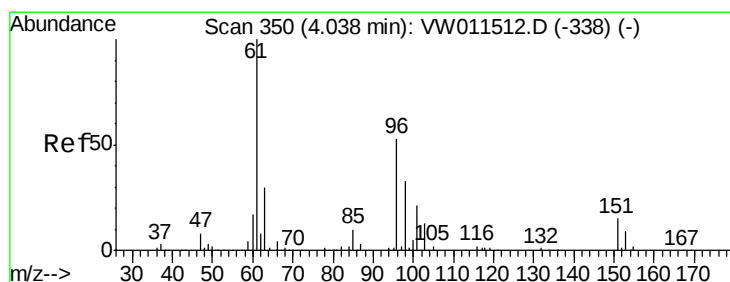
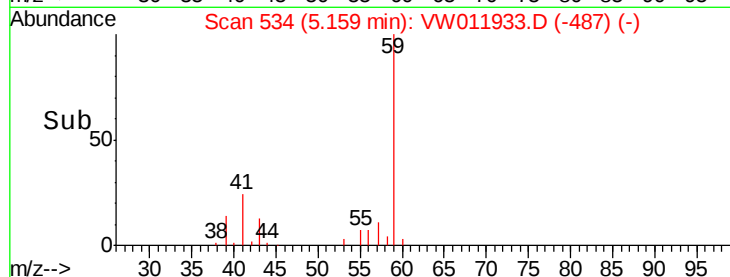
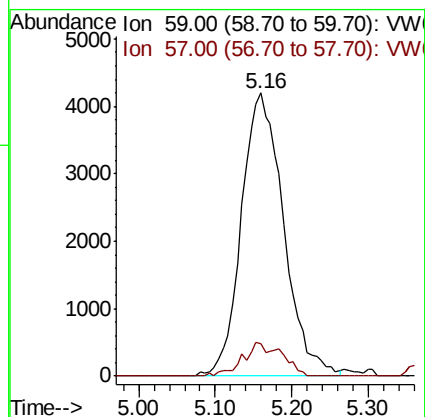
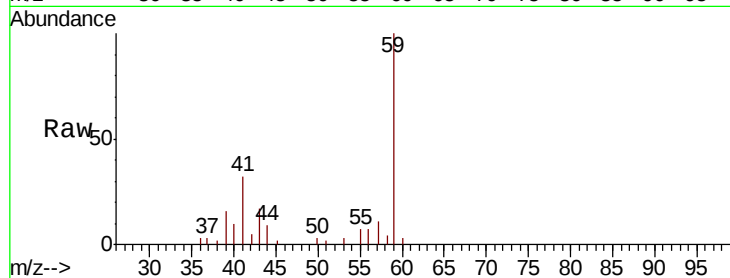
VW0816SBSD01

Tgt Ion: 59 Resp: 16072

Ion Ratio Lower Upper

59 100

57 7.1 8.5 12.7#



#12

1,1-Dichloroethene

Concen: 20.979 ug/l

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW011933.D

Acq: 15 Aug 2019 17:26

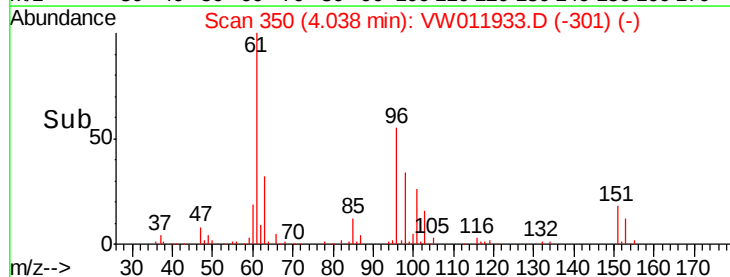
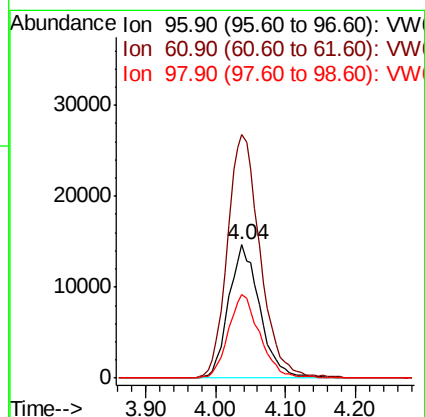
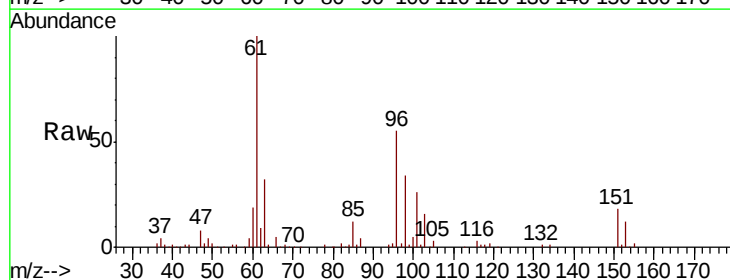
Tgt Ion: 96 Resp: 45329

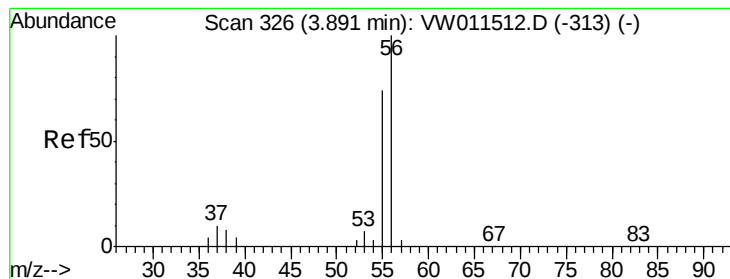
Ion Ratio Lower Upper

96 100

61 182.8 149.9 224.9

98 62.6 49.1 73.7





#13

Acrolein

Concen: 69.891 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW011933.D

Acq: 15 Aug 2019 17:26

Instrument :

MSVOA_W

ClientSampleId :

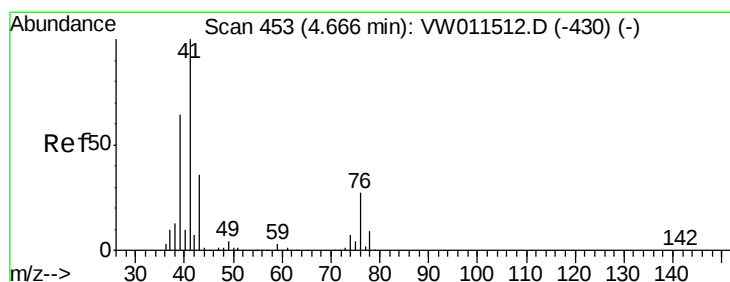
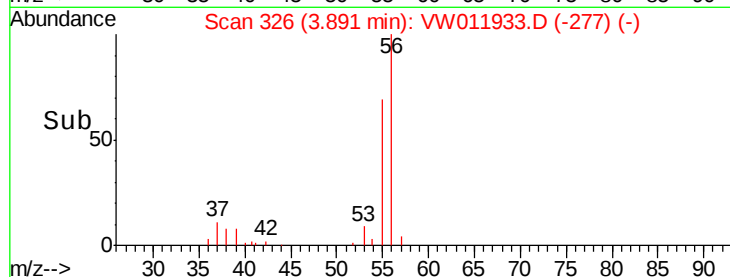
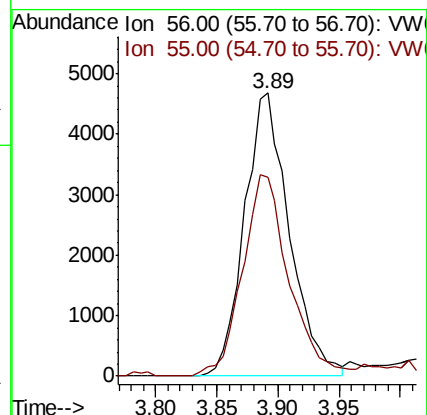
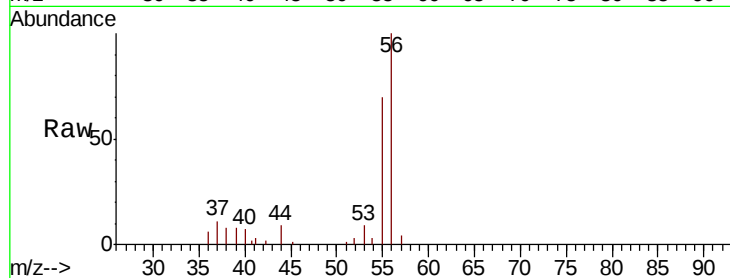
VW0816SBSD01

Tgt Ion: 56 Resp: 11947

Ion Ratio Lower Upper

56 100

55 73.8 56.0 84.0



#14

Allyl chloride

Concen: 20.835 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW011933.D

Acq: 15 Aug 2019 17:26

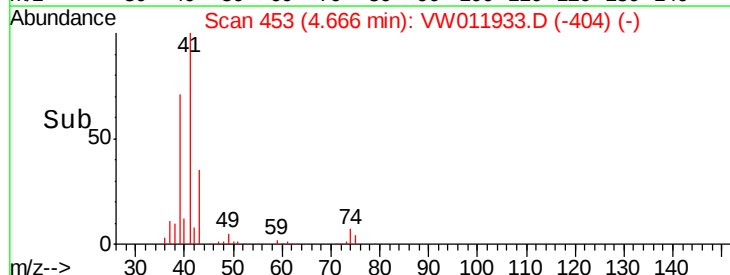
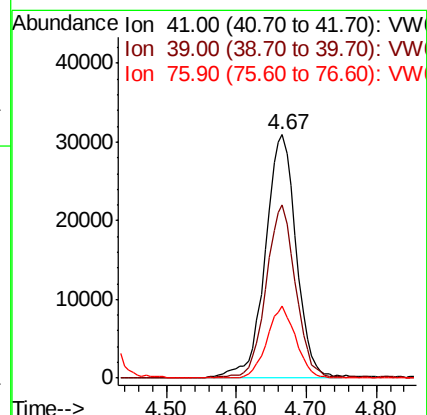
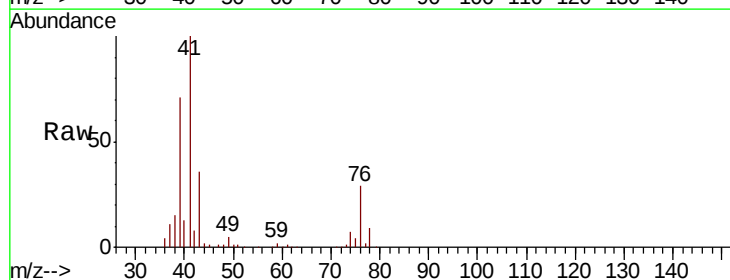
Tgt Ion: 41 Resp: 95750

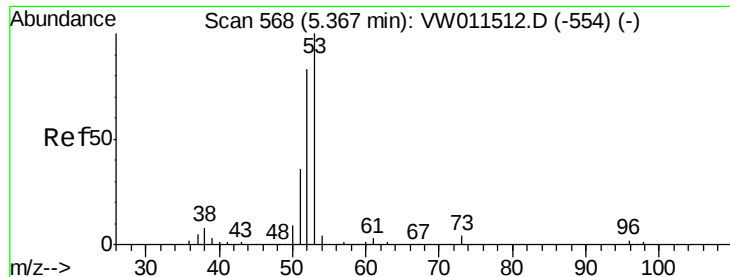
Ion Ratio Lower Upper

41 100

39 68.1 52.6 78.8

76 27.3 22.0 33.0





#15

Acrylonitrile

Concen: 102.660 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW011933.D

Acq: 15 Aug 2019 17:26

Instrument :

MSVOA_W

ClientSampleId :

VW0816SBSD01

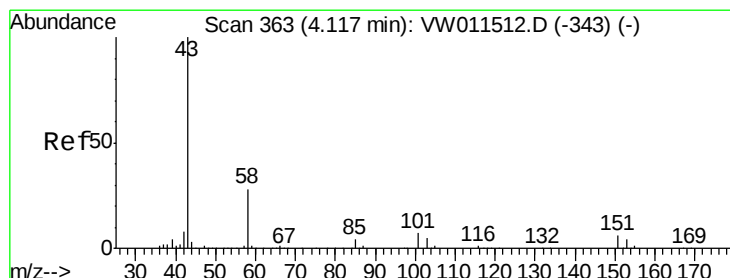
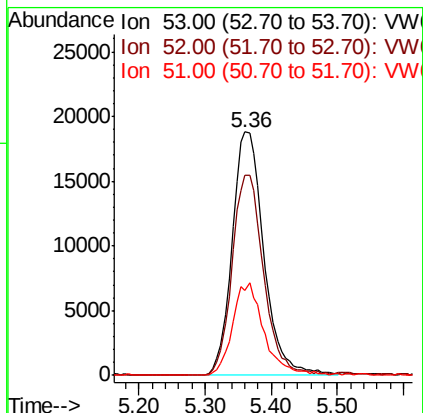
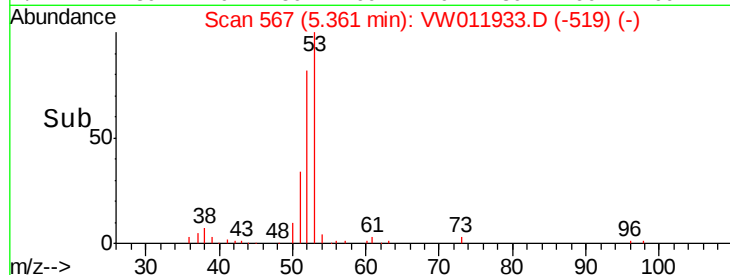
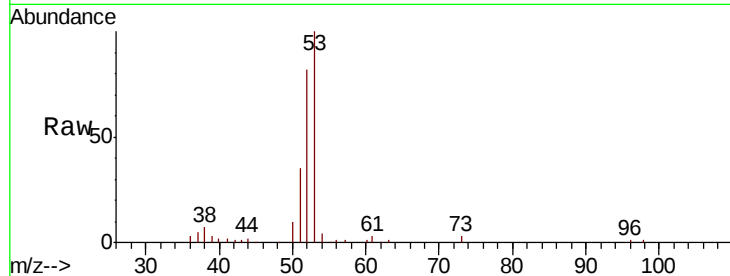
Tgt Ion: 53 Resp: 62681

Ion Ratio Lower Upper

53 100

52 81.2 67.2 100.8

51 37.6 30.0 45.0



#16

Acetone

Concen: 79.129 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW011933.D

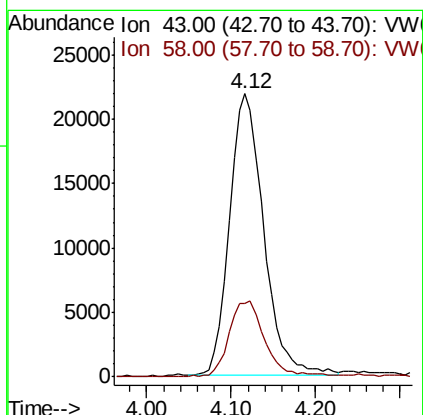
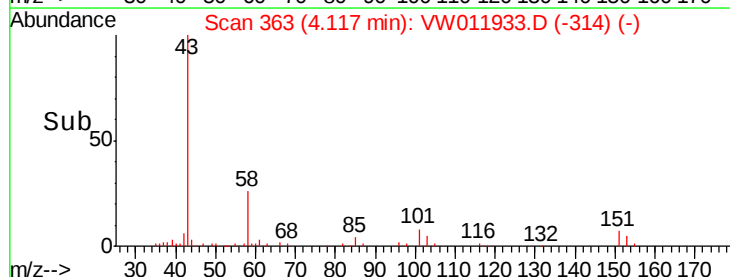
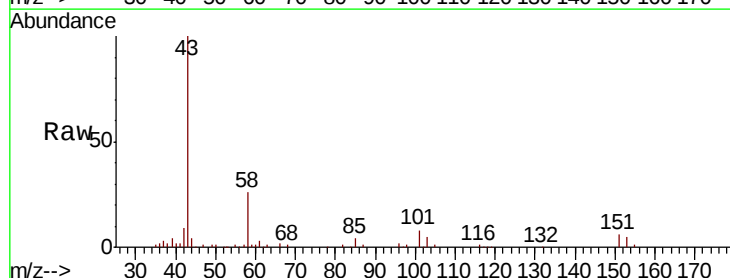
Acq: 15 Aug 2019 17:26

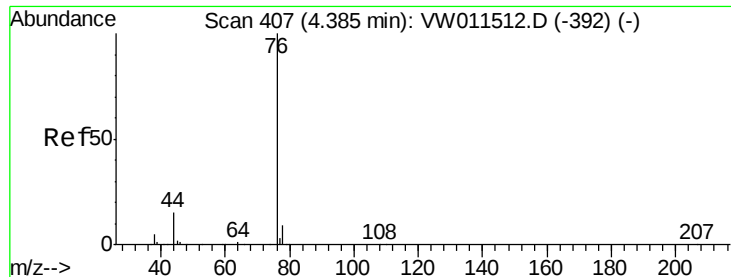
Tgt Ion: 43 Resp: 59964

Ion Ratio Lower Upper

43 100

58 26.3 22.3 33.5





#17

Carbon Disulfide

Concen: 20.481 ug/l

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW011933.D

Acq: 15 Aug 2019 17:26

Instrument :

MSVOA_W

ClientSampleId :

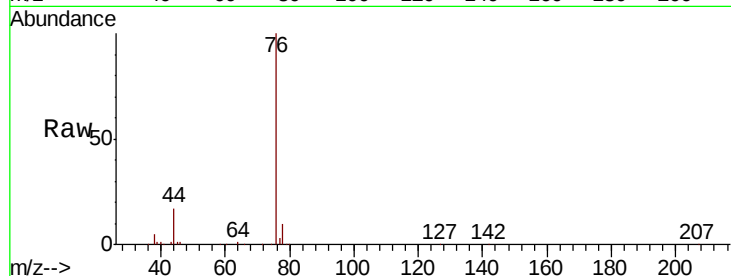
VW0816SBSD01

Tgt Ion: 76 Resp: 138508

Ion Ratio Lower Upper

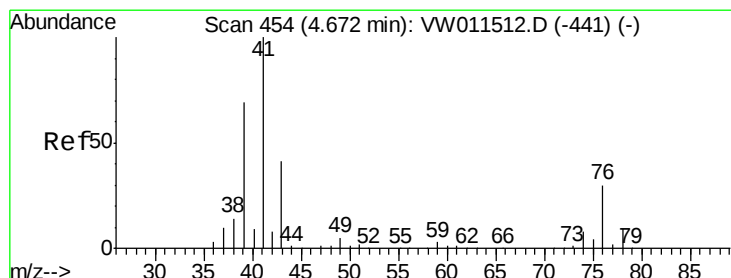
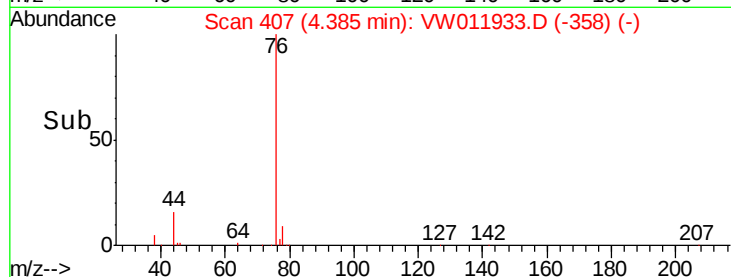
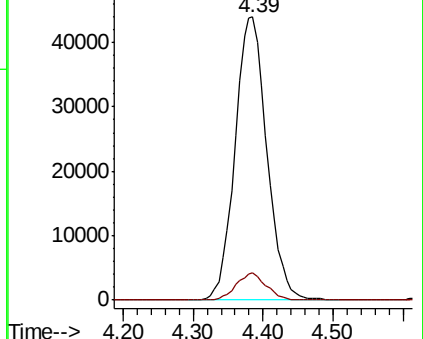
76 100

78 9.7 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 20.718 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW011933.D

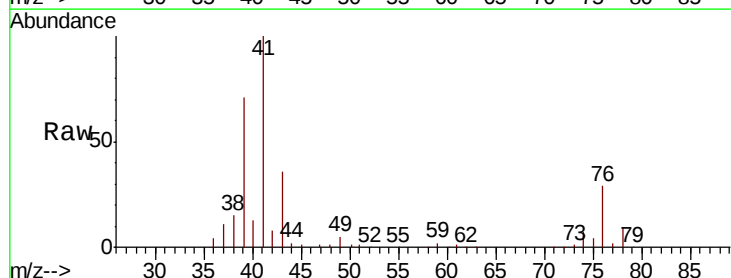
Acq: 15 Aug 2019 17:26

Tgt Ion: 43 Resp: 35271

Ion Ratio Lower Upper

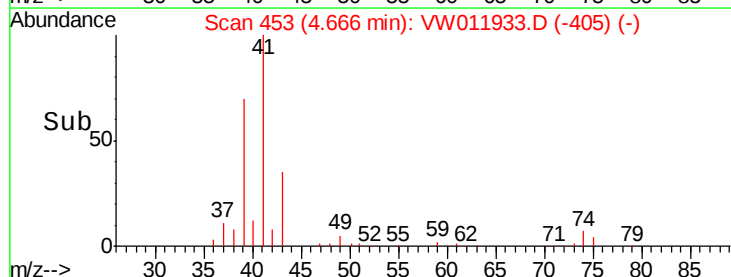
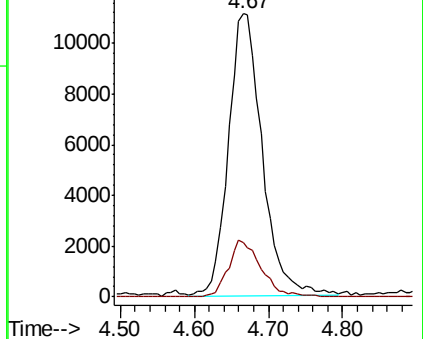
43 100

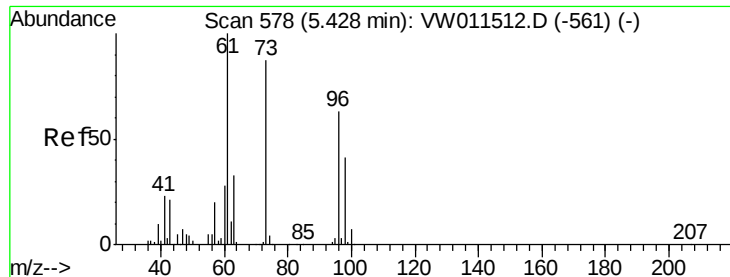
74 19.3 15.9 23.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

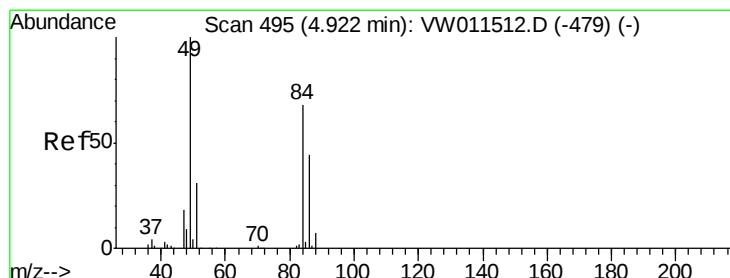
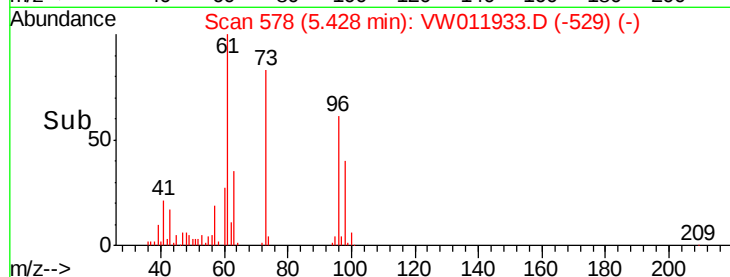
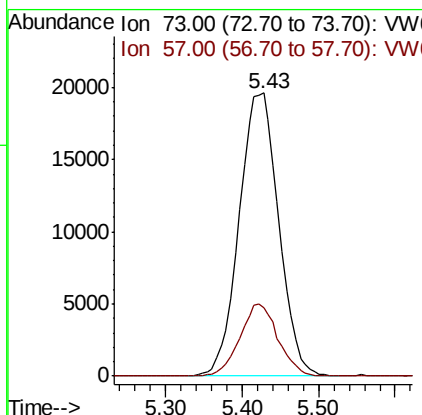
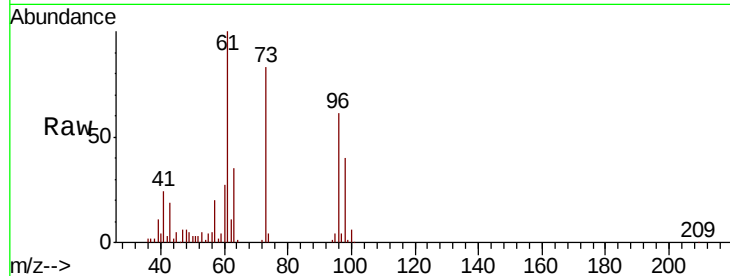




#19
Methyl tert-butyl Ether
Concen: 20.598 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW011933.D
Acq: 15 Aug 2019 17:26

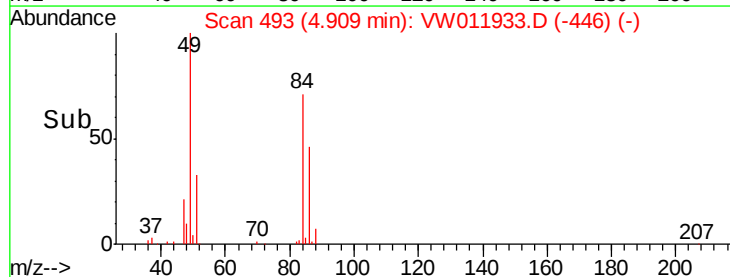
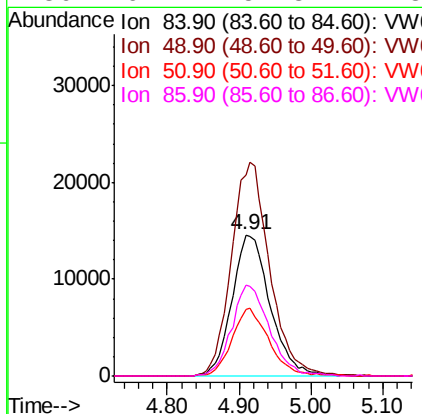
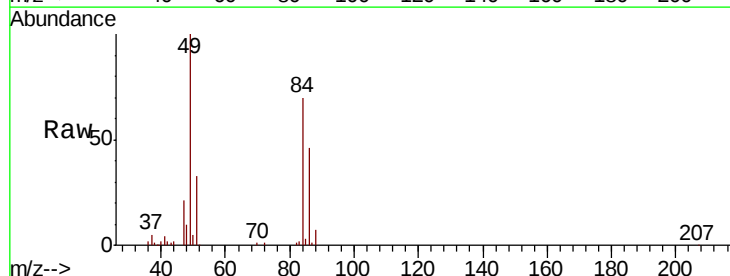
Instrument :
MSVOA_W
ClientSampleId :
VW0816SBSD01

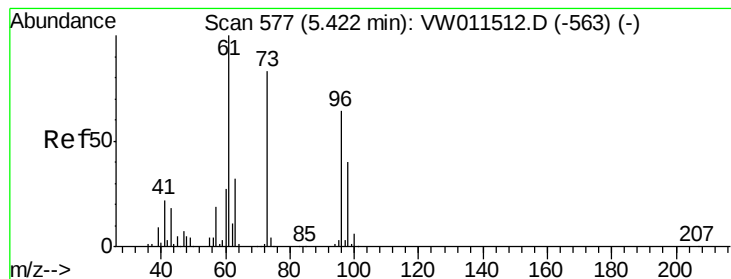
Tgt Ion: 73 Resp: 70625
Ion Ratio Lower Upper
73 100
57 24.0 18.4 27.6



#20
Methylene Chloride
Concen: 20.494 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011933.D
Acq: 15 Aug 2019 17:26

Tgt Ion: 84 Resp: 53562
Ion Ratio Lower Upper
84 100
49 142.1 117.8 176.6
51 47.5 37.0 55.4
86 64.7 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 21.101 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW011933.D

Acq: 15 Aug 2019 17:26

Instrument :

MSVOA_W

ClientSampleId :

VW0816SBSD01

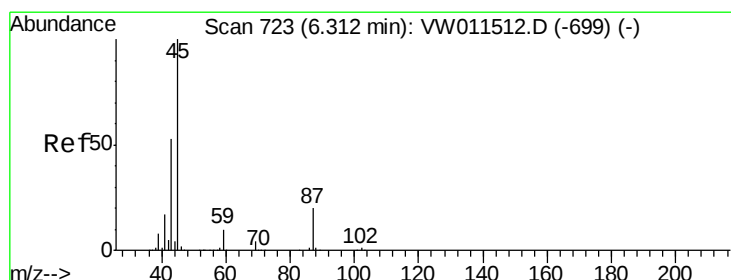
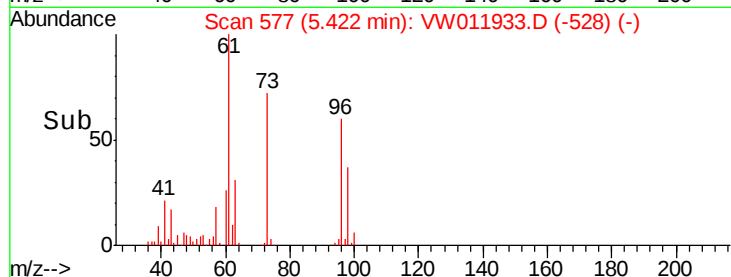
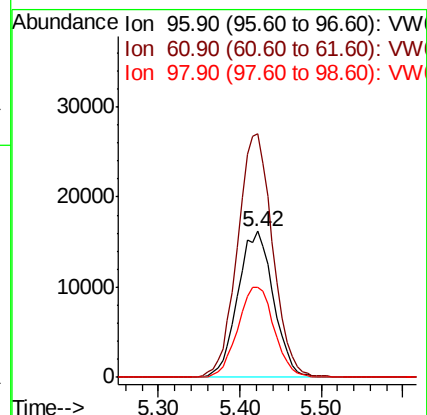
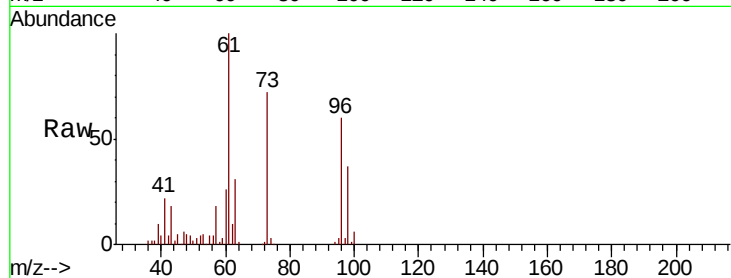
Tgt Ion: 96 Resp: 49154

Ion Ratio Lower Upper

96 100

61 166.1 125.7 188.5

98 61.5 50.3 75.5



#22

Diisopropyl ether

Concen: 21.155 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW011933.D

Acq: 15 Aug 2019 17:26

Tgt Ion: 45 Resp: 183295

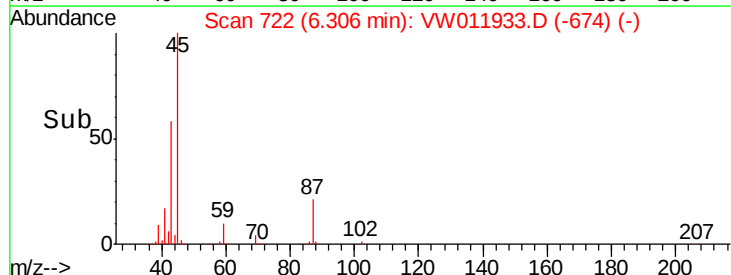
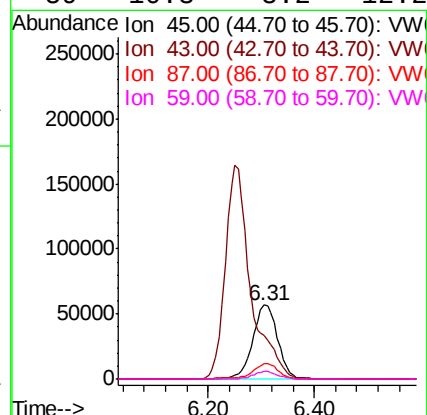
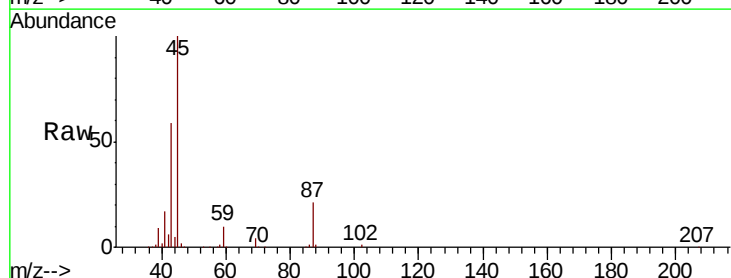
Ion Ratio Lower Upper

45 100

43 58.5 42.6 63.8

87 20.8 16.4 24.6

59 10.3 8.2 12.2





#23

Vinyl Acetate

Concen: 100.782 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW011933.D

Acq: 15 Aug 2019 17:26

Instrument :

MSVOA_W

ClientSampleId :

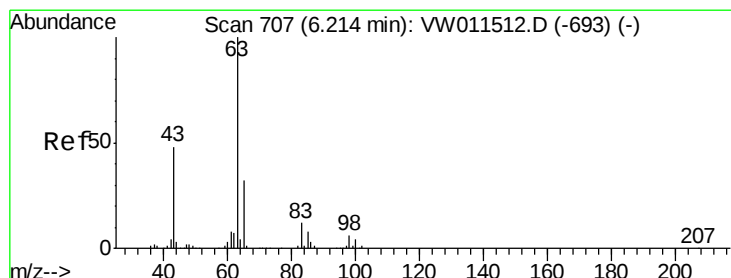
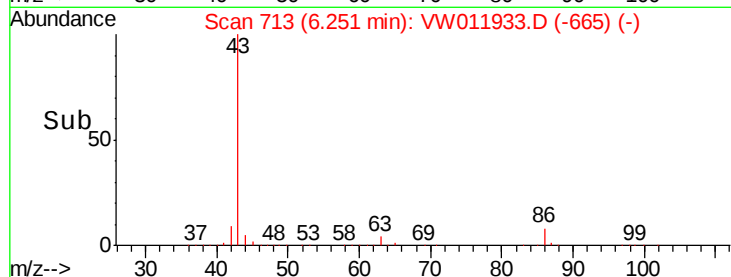
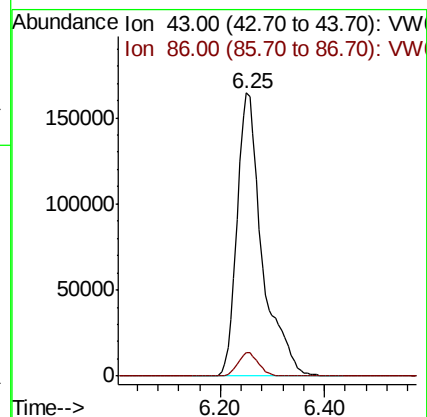
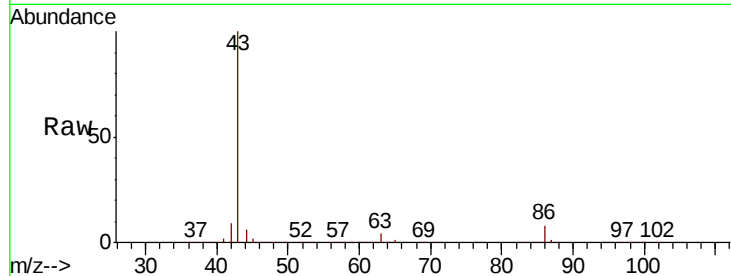
VW0816SBSD01

Tgt Ion: 43 Resp: 548686

Ion Ratio Lower Upper

43 100

86 8.4 6.5 9.7



#24

1,1-Dichloroethane

Concen: 21.247 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW011933.D

Acq: 15 Aug 2019 17:26

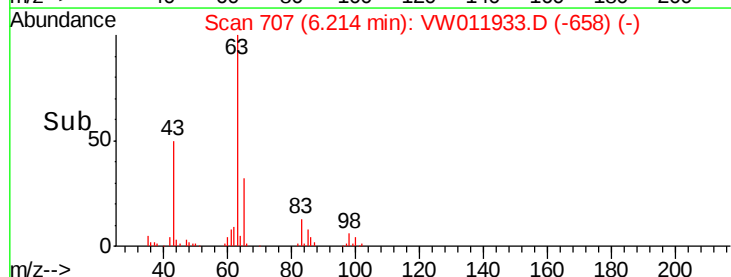
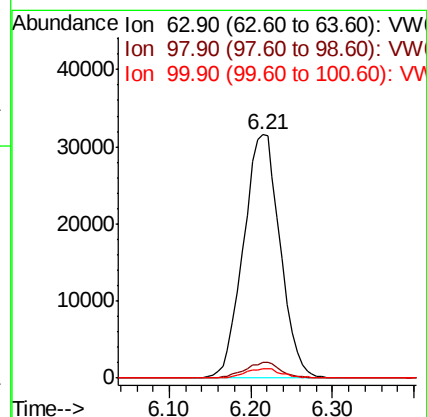
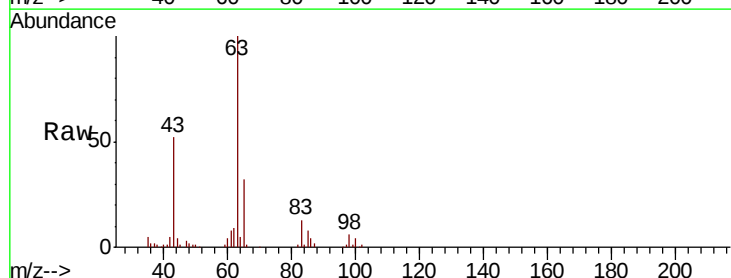
Tgt Ion: 63 Resp: 98594

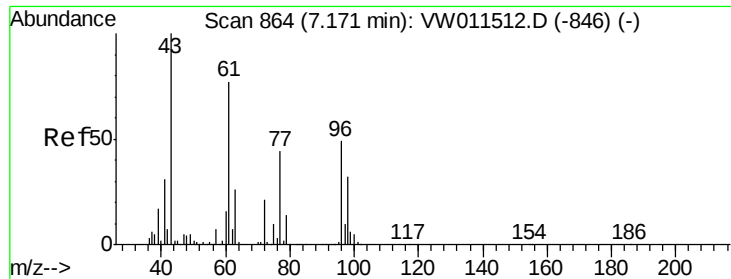
Ion Ratio Lower Upper

63 100

98 6.4 2.9 8.8

100 4.1 2.1 6.3





#25

2-Butanone

Concen: 88.363 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW011933.D

Acq: 15 Aug 2019 17:26

Instrument :

MSVOA_W

ClientSampleId :

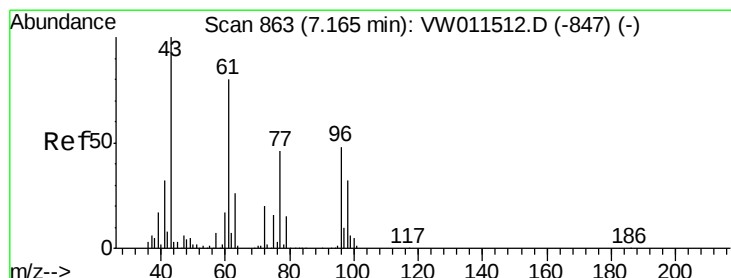
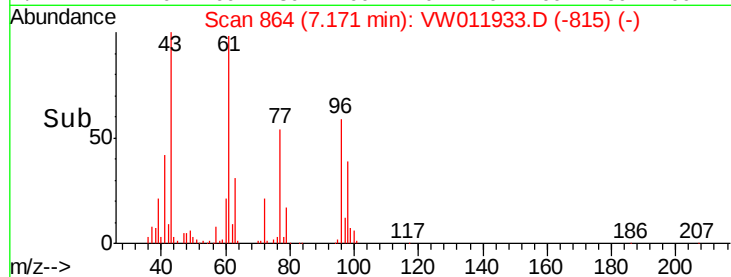
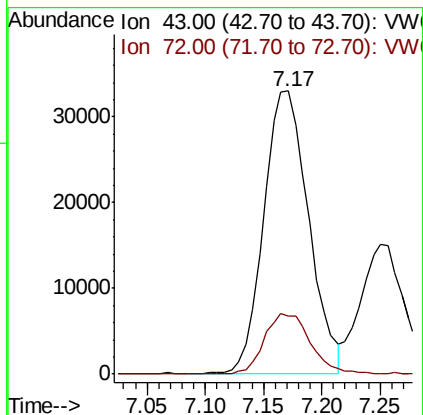
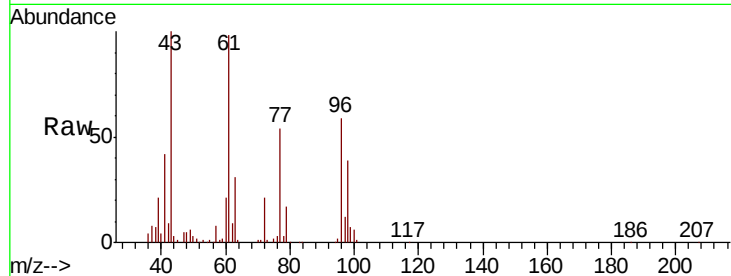
VW0816SBSD01

Tgt Ion: 43 Resp: 87622

Ion Ratio Lower Upper

43 100

72 20.7 16.6 24.8



#26

2,2-Dichloropropane

Concen: 19.088 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW011933.D

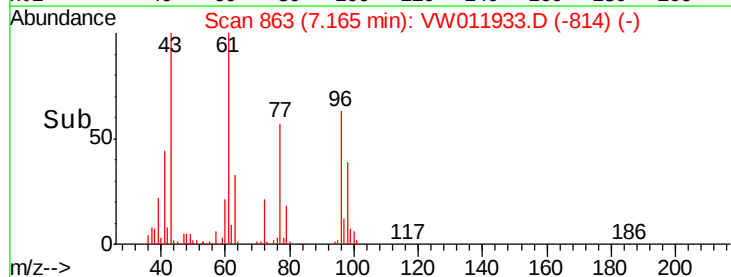
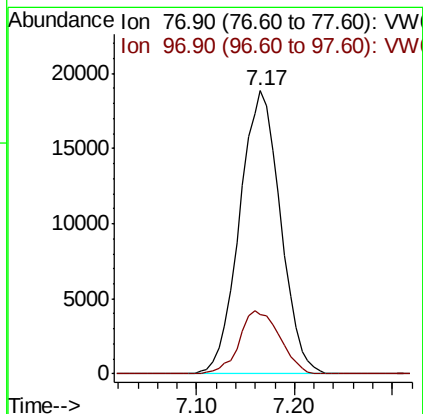
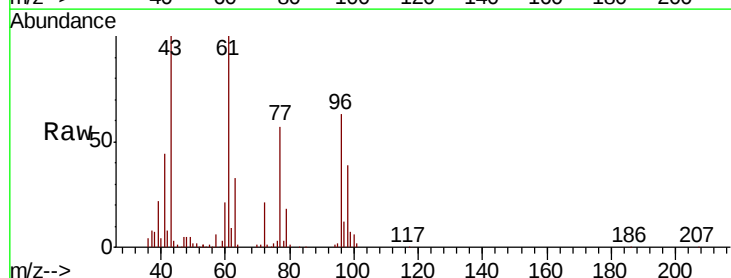
Acq: 15 Aug 2019 17:26

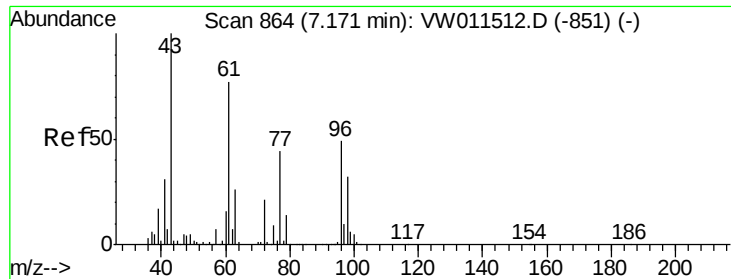
Tgt Ion: 77 Resp: 54473

Ion Ratio Lower Upper

77 100

97 22.2 10.8 32.4



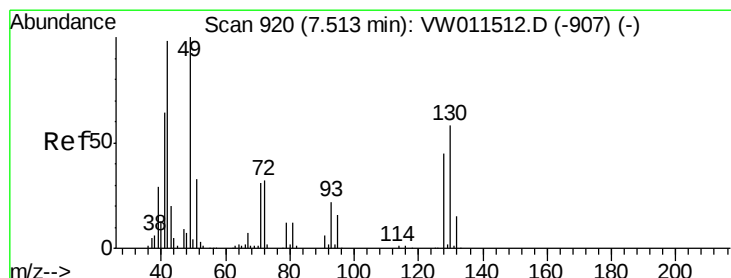
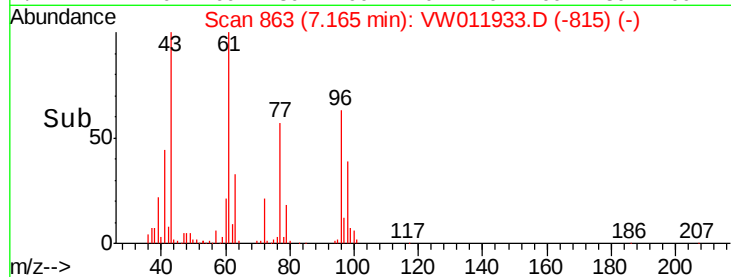
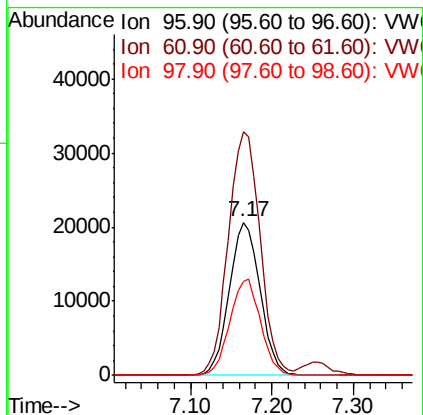
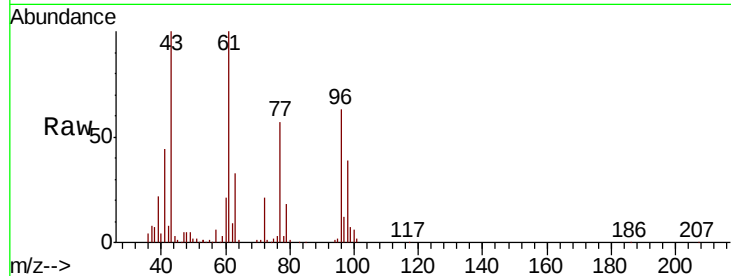


#27

cis-1,2-Dichloroethene
Concen: 21.008 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW011933.D
Acq: 15 Aug 2019 17:26

Instrument :
MSVOA_W
ClientSampleId :
VW0816SBSD01

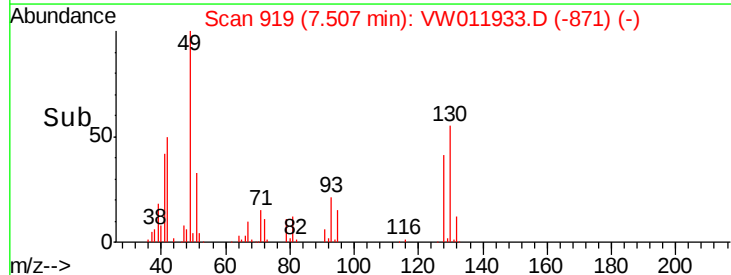
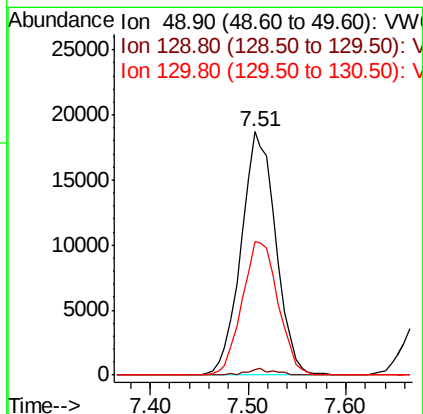
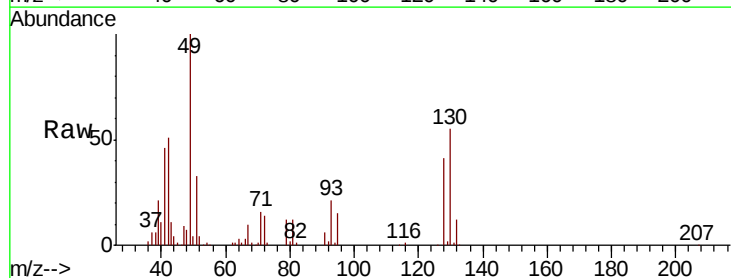
Tgt Ion: 96 Resp: 53859
Ion Ratio Lower Upper
96 100
61 164.2 0.0 328.4
98 62.4 0.0 128.8

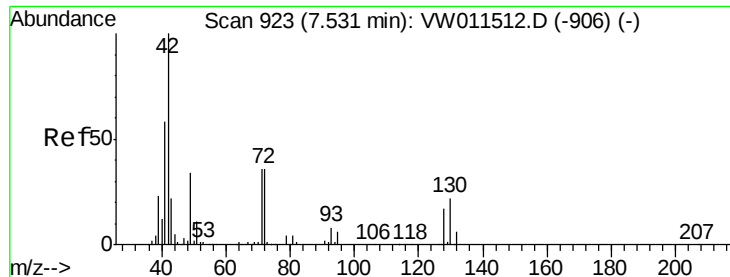


#28

Bromochloromethane
Concen: 22.292 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW011933.D
Acq: 15 Aug 2019 17:26

Tgt Ion: 49 Resp: 45914
Ion Ratio Lower Upper
49 100
129 2.0 0.0 1.0#
130 57.2 46.3 69.5





#29

Tetrahydrofuran

Concen: 98.595 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW011933.D

Acq: 15 Aug 2019 17:26

Instrument :

MSVOA_W

ClientSampleId :

VW0816SBSD01

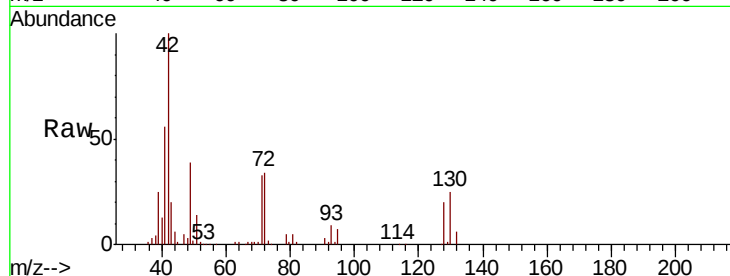
Tgt Ion: 42 Resp: 55885

Ion Ratio Lower Upper

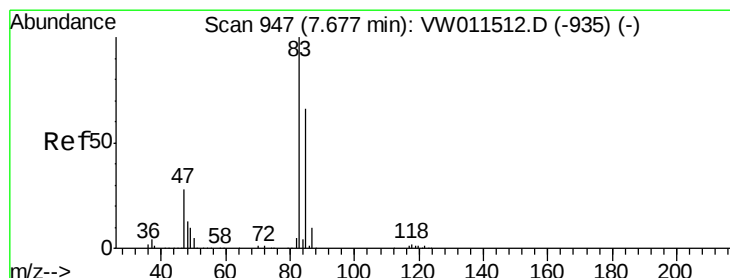
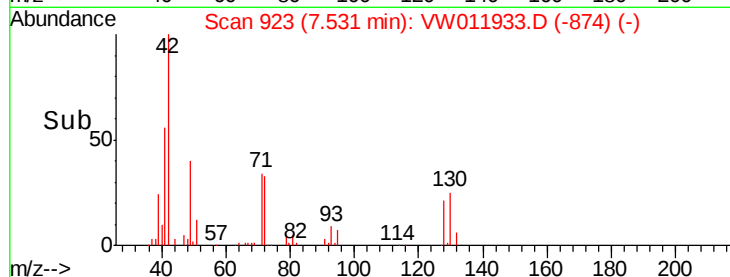
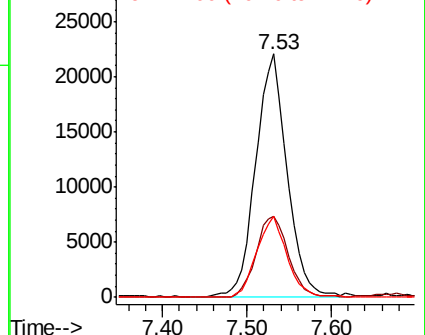
42 100

72 34.7 27.1 40.7

71 32.4 26.2 39.4



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



#30

Chloroform

Concen: 21.493 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW011933.D

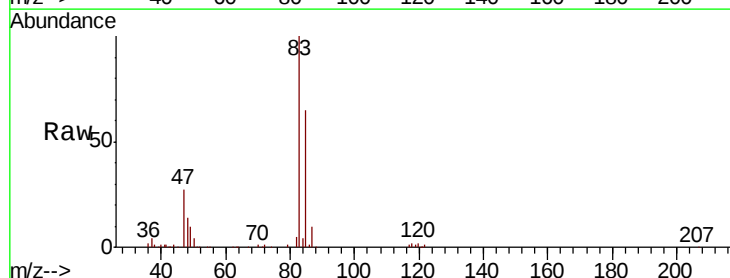
Acq: 15 Aug 2019 17:26

Tgt Ion: 83 Resp: 92014

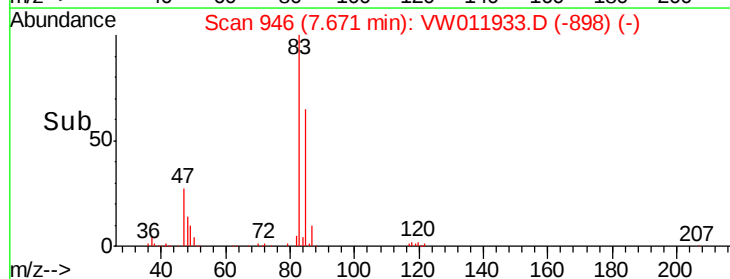
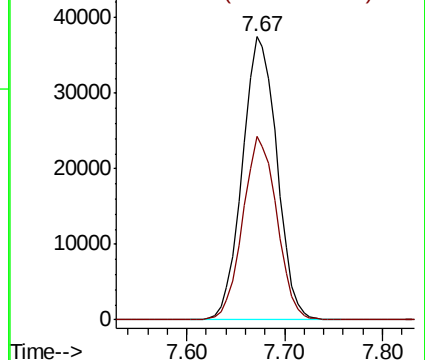
Ion Ratio Lower Upper

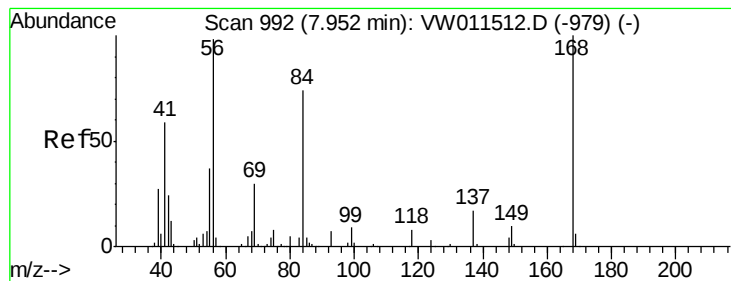
83 100

85 64.7 52.5 78.7



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





#31

Cyclohexane

Concen: 20.946 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW011933.D

Acq: 15 Aug 2019 17:26

Instrument :

MSVOA_W

ClientSampleId :

VW0816SBSD01

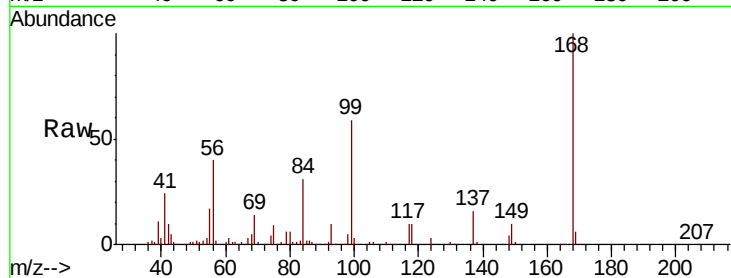
Tgt Ion: 56 Resp: 93298

Ion Ratio Lower Upper

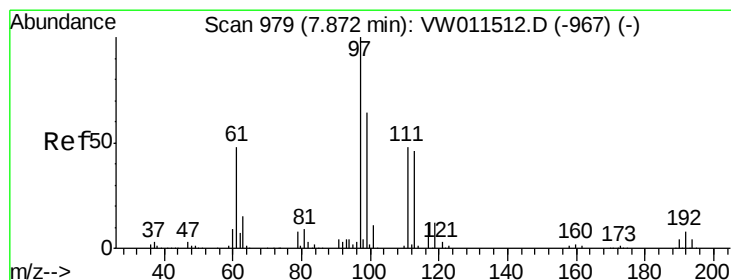
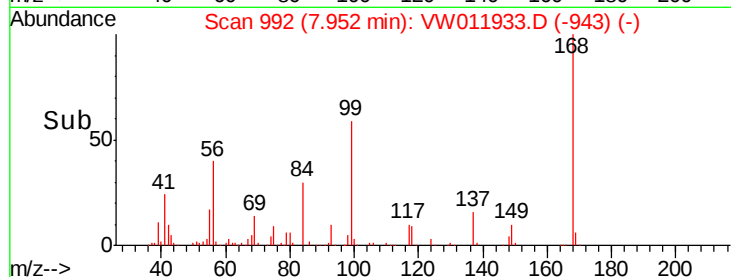
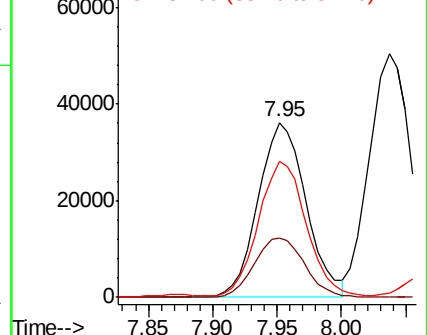
56 100

69 33.9 24.3 36.5

84 77.0 60.4 90.6



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: 22.060 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW011933.D

Acq: 15 Aug 2019 17:26

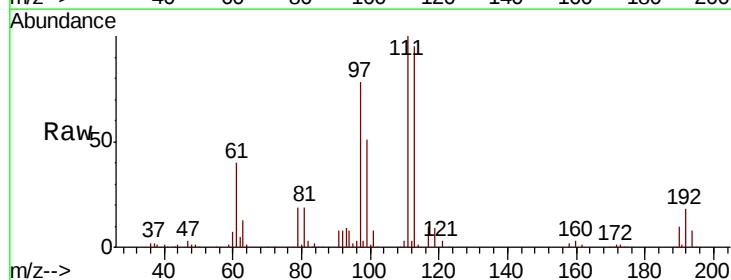
Tgt Ion: 97 Resp: 71921

Ion Ratio Lower Upper

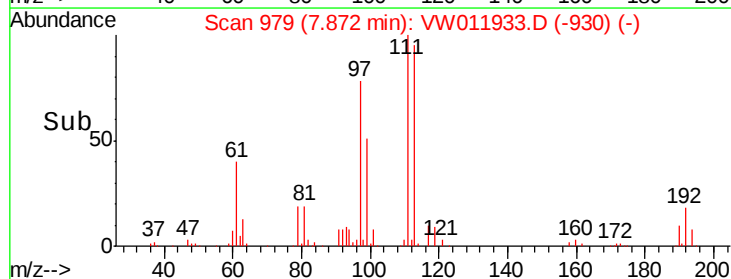
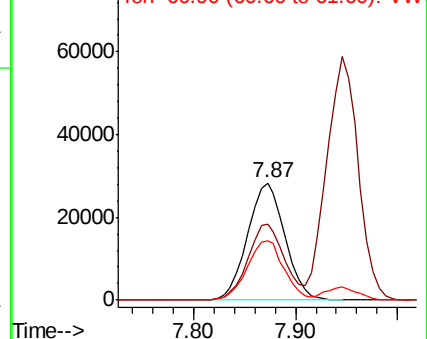
97 100

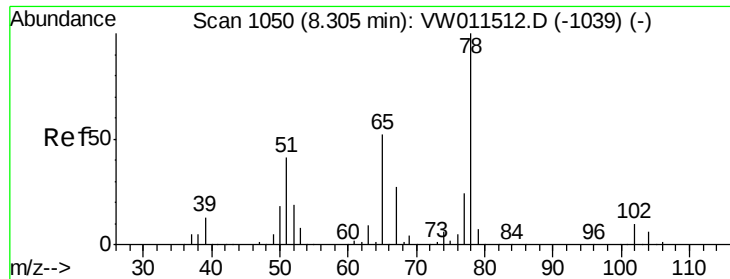
99 64.5 51.0 76.6

61 50.2 39.8 59.6



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

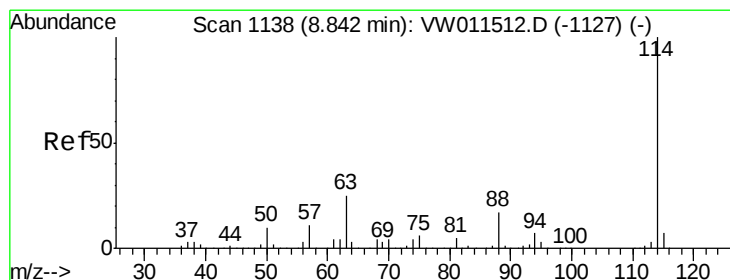
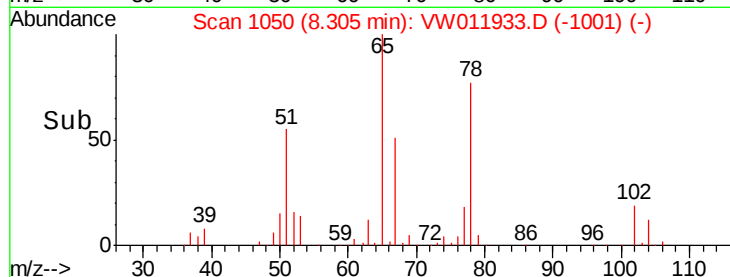
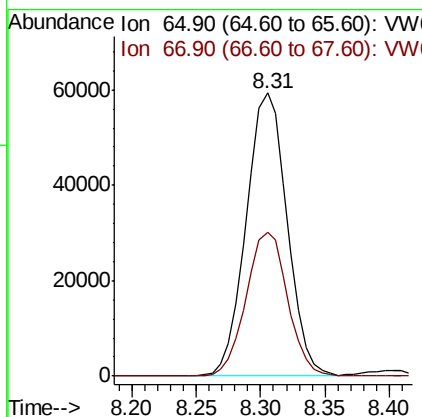
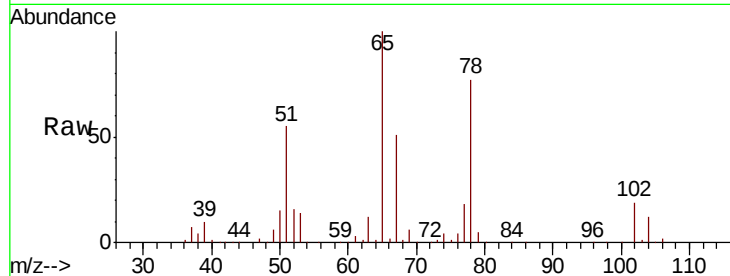




#33
 1,2-Dichloroethane-d4
 Concen: 54.726 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011933.D
 Acq: 15 Aug 2019 17:26

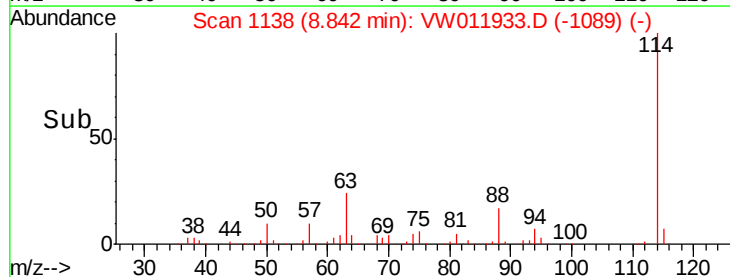
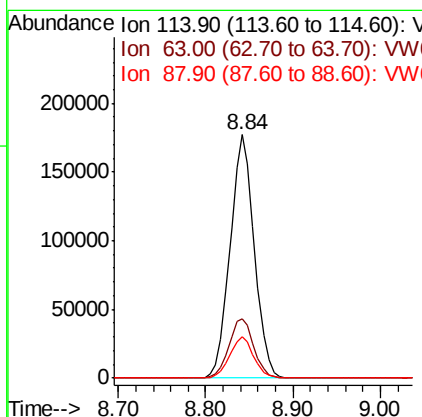
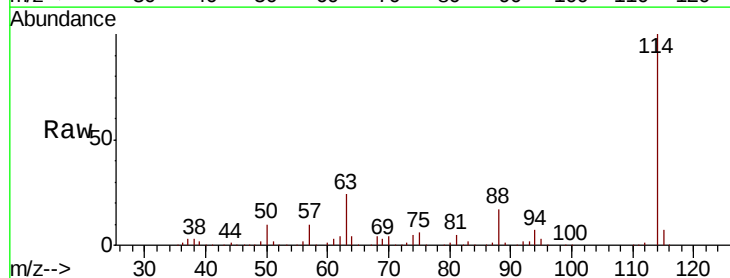
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0816SBSD01

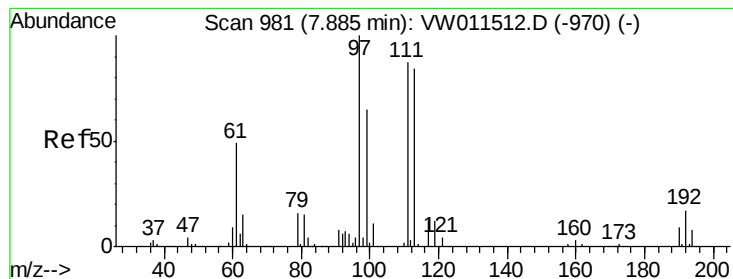
Tgt Ion: 65 Resp: 130373
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011933.D
 Acq: 15 Aug 2019 17:26

Tgt Ion: 114 Resp: 339764
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 49.2
 88 16.9 0.0 33.8





#35

Dibromofluoromethane

Concen: 55.149 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW011933.D

Acq: 15 Aug 2019 17:26

Instrument :

MSVOA_W

ClientSampleId :

VW0816SBSD01

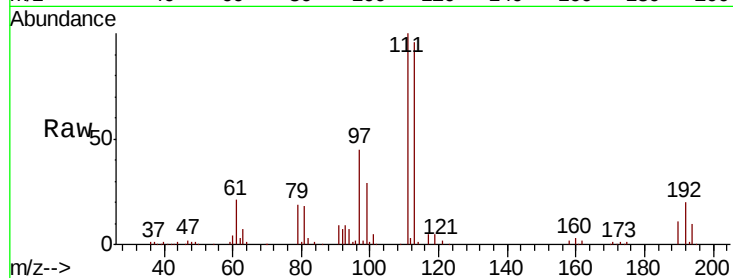
Tgt Ion:113 Resp: 105121

Ion Ratio Lower Upper

113 100

111 103.0 82.7 124.1

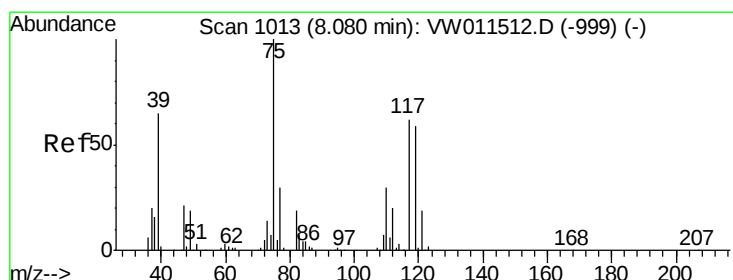
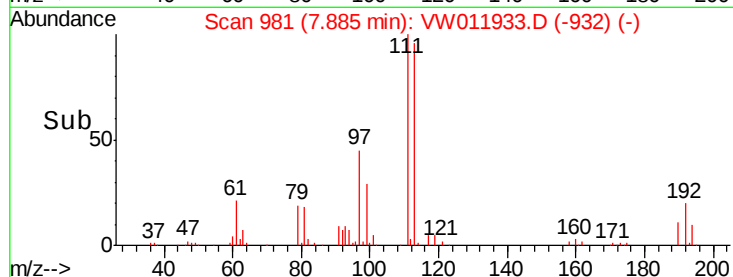
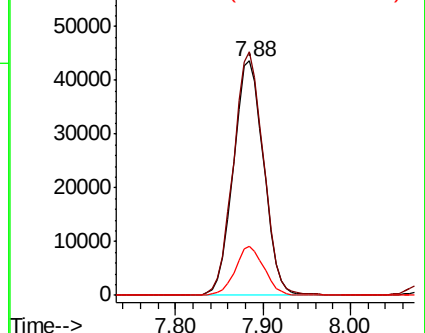
192 19.9 16.1 24.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 21.205 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW011933.D

Acq: 15 Aug 2019 17:26

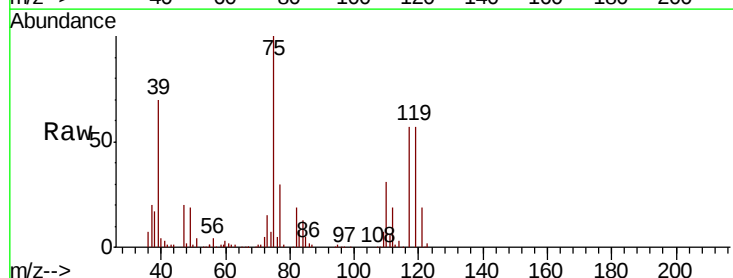
Tgt Ion: 75 Resp: 74915

Ion Ratio Lower Upper

75 100

110 30.6 15.6 46.8

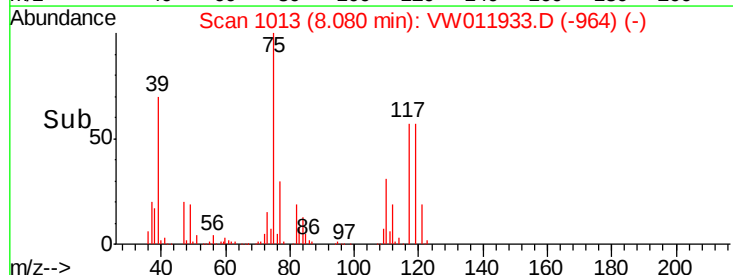
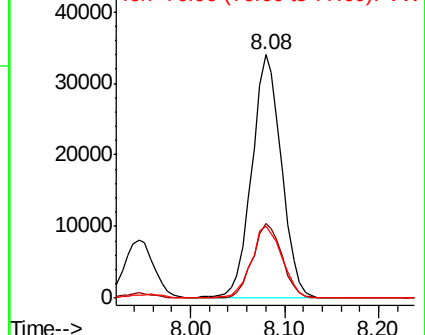
77 30.8 24.3 36.5

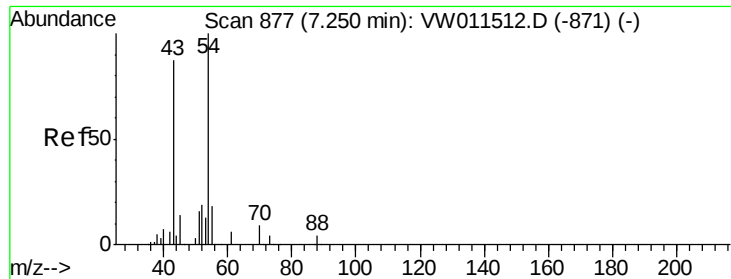


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

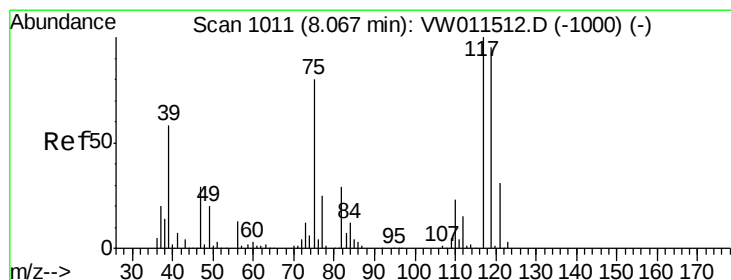
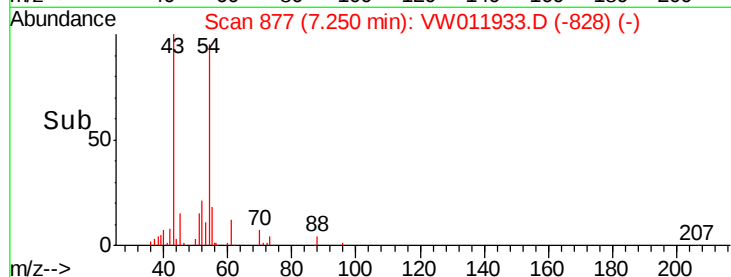
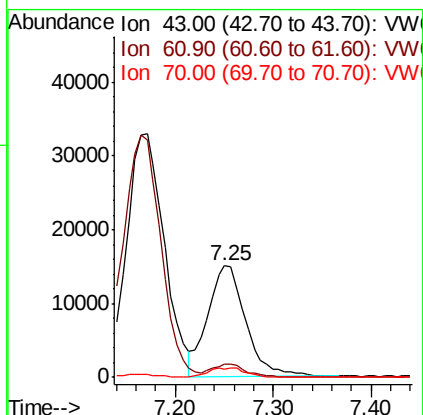
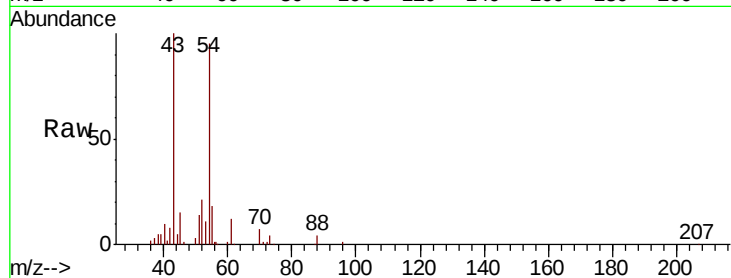




#37
Ethyl Acetate
Concen: 19.742 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW011933.D
Acq: 15 Aug 2019 17:26

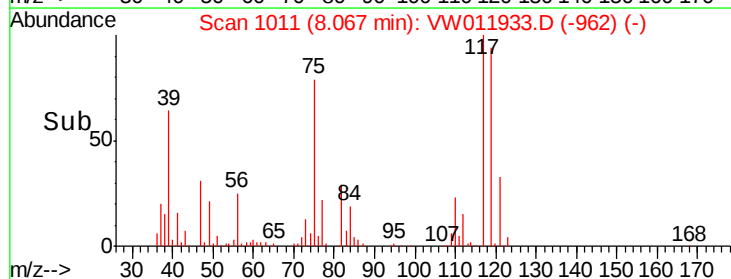
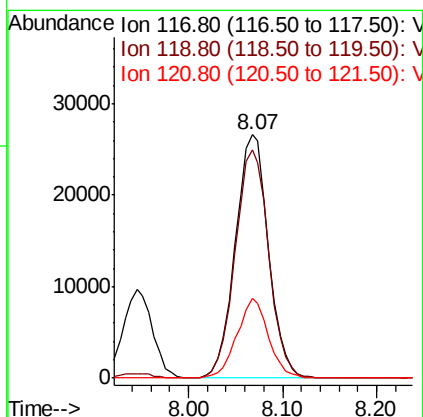
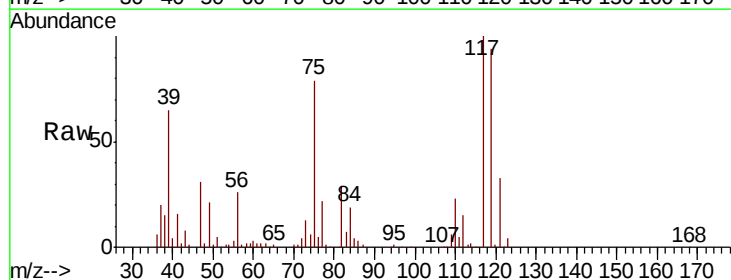
Instrument :
MSVOA_W
ClientSampleId :
VW0816SBSD01

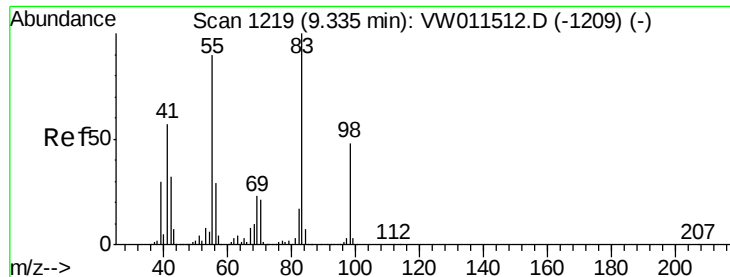
Tgt Ion: 43 Resp: 40128
Ion Ratio Lower Upper
43 100
61 11.1 8.8 13.2
70 8.7 7.1 10.7



#38
Carbon Tetrachloride
Concen: 21.556 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW011933.D
Acq: 15 Aug 2019 17:26

Tgt Ion: 117 Resp: 65195
Ion Ratio Lower Upper
117 100
119 93.8 75.8 113.6
121 32.7 24.7 37.1

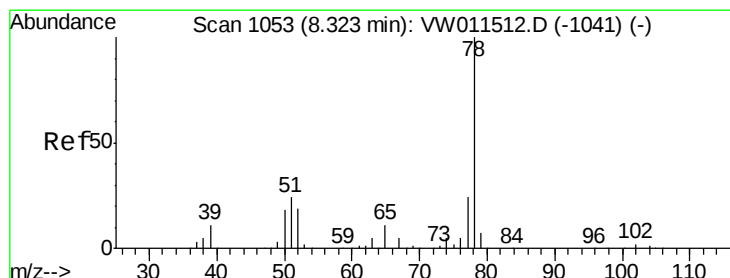
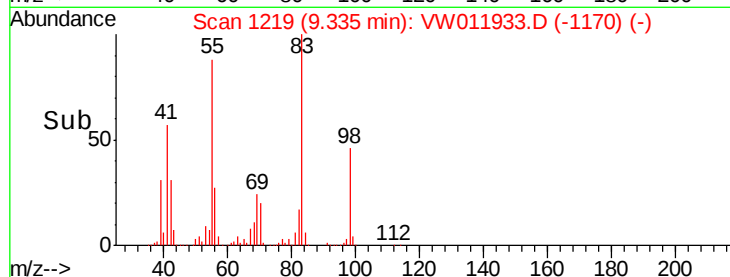
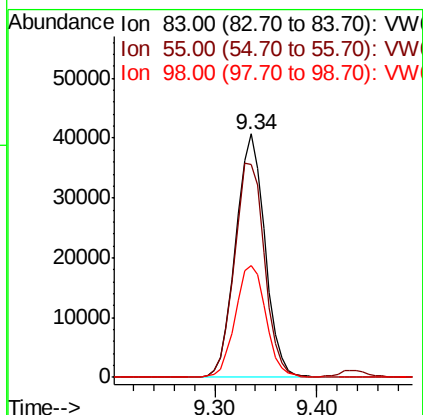
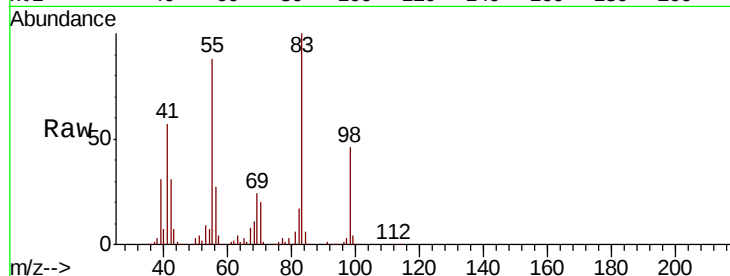




#39
Methylcyclohexane
Concen: 20.784 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW011933.D
Acq: 15 Aug 2019 17:26

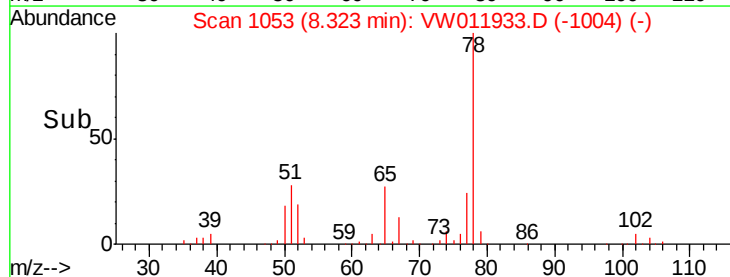
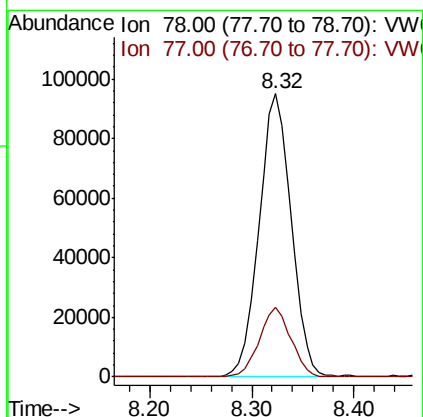
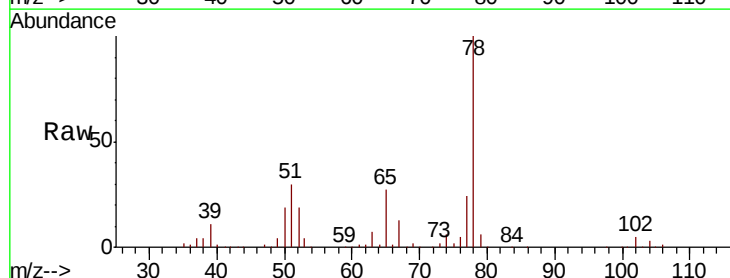
Instrument :
MSVOA_W
ClientSampleId :
VW0816SBSD01

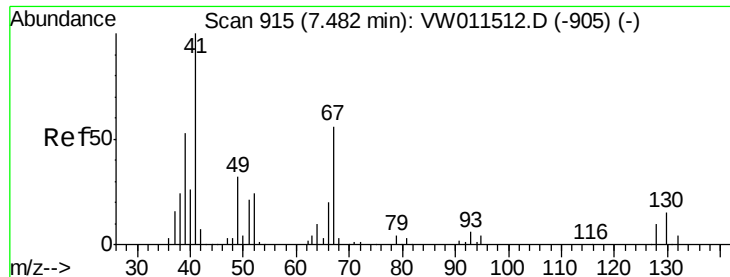
Tgt Ion: 83 Resp: 80855
Ion Ratio Lower Upper
83 100
55 87.6 72.1 108.1
98 46.1 38.6 57.8



#40
Benzene
Concen: 21.014 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW011933.D
Acq: 15 Aug 2019 17:26

Tgt Ion: 78 Resp: 207953
Ion Ratio Lower Upper
78 100
77 24.4 19.4 29.0

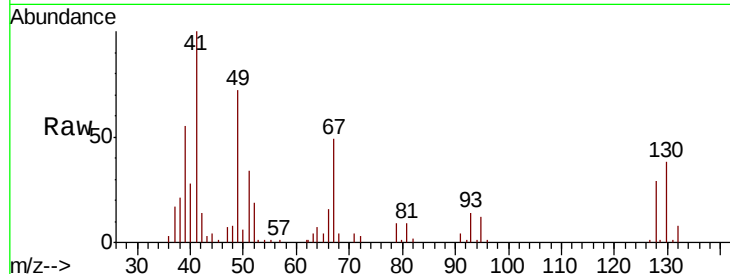




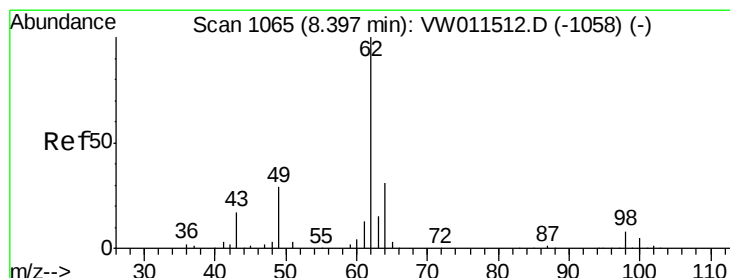
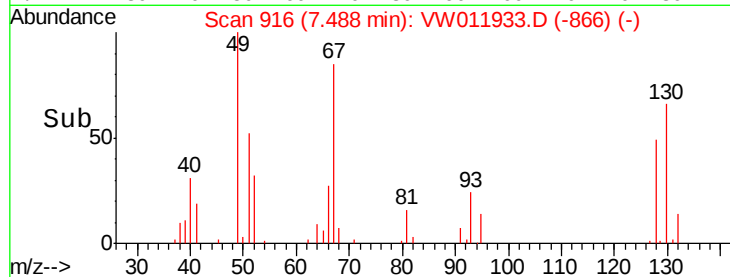
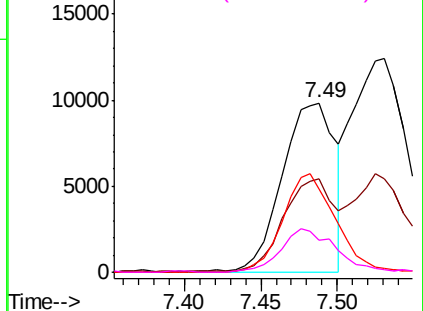
#41
Methacrylonitrile
Concen: 19.543 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW011933.D
Acq: 15 Aug 2019 17:26

Instrument :
MSVOA_W
ClientSampleId :
VW0816SBSD01

Tgt Ion:	41	Resp:	23745
Ion	Ratio	Lower	Upper
41	100		
39	52.9	43.0	64.4
67	57.8	47.5	71.3
52	27.1	21.0	31.6

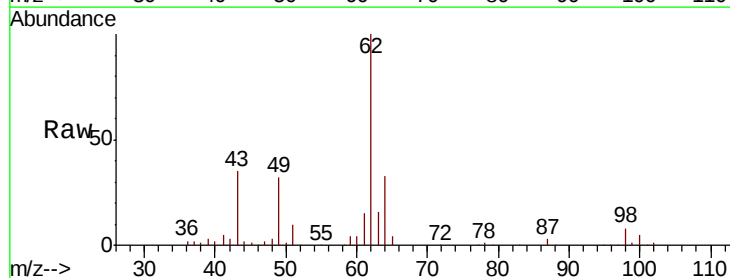


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

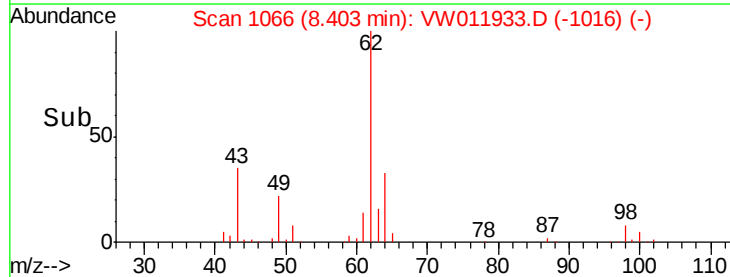
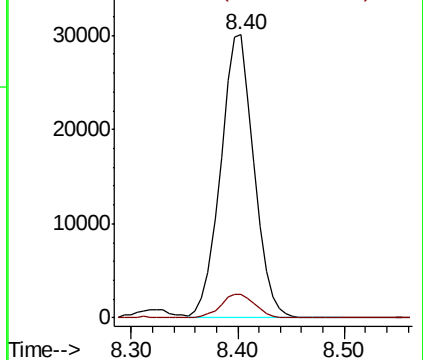


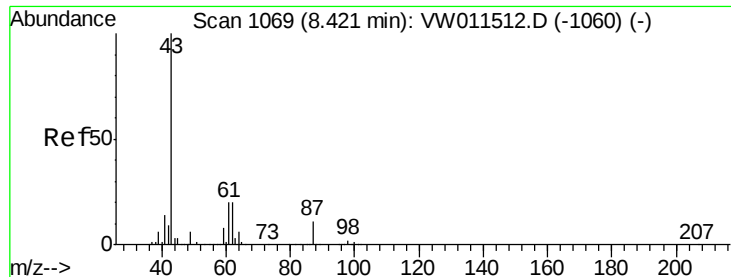
#42
1,2-Dichloroethane
Concen: 21.154 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW011933.D
Acq: 15 Aug 2019 17:26

Tgt Ion:	62	Resp:	65541
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	16.8



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





#43

Isopropyl Acetate

Concen: 19.832 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW011933.D

Acq: 15 Aug 2019 17:26

Instrument :

MSVOA_W

ClientSampleId :

VW0816SBSD01

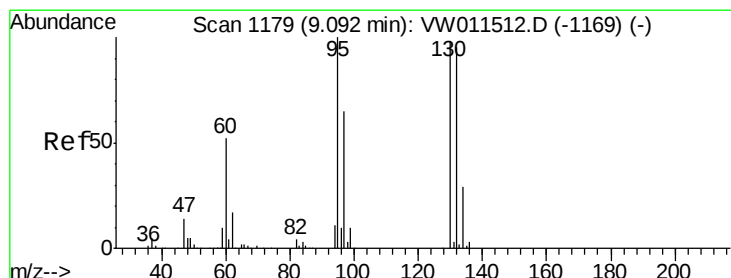
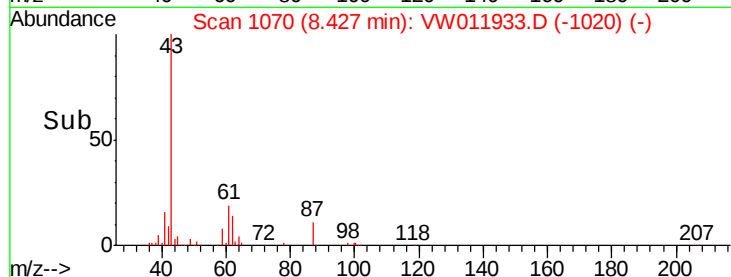
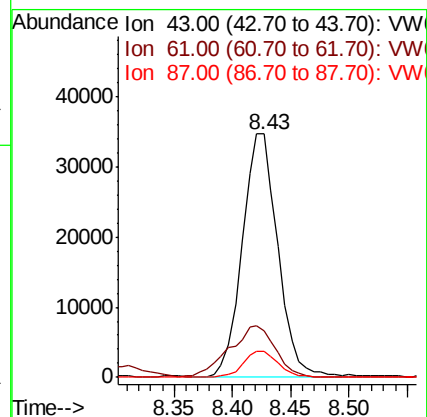
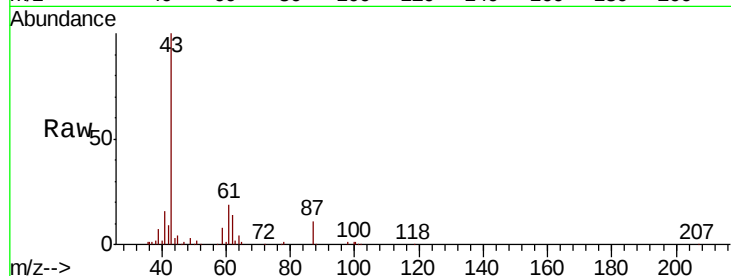
Tgt Ion: 43 Resp: 74133

Ion Ratio Lower Upper

43 100

61 27.3 21.5 32.3

87 10.6 8.4 12.6



#44

Trichloroethene

Concen: 20.803 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW011933.D

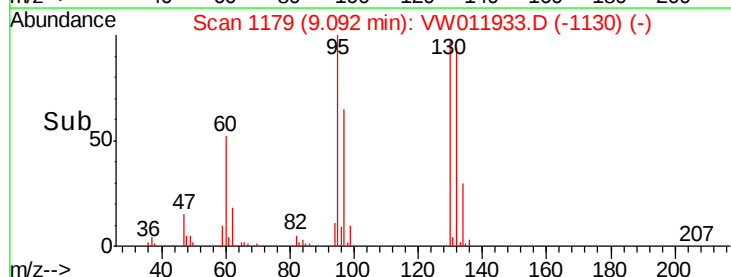
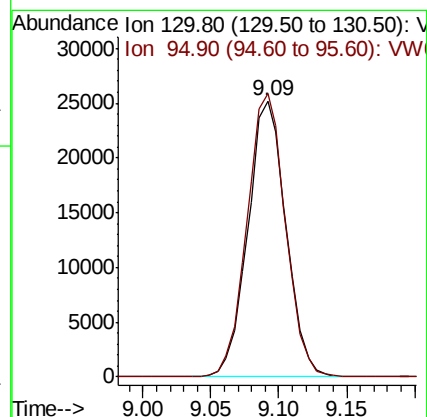
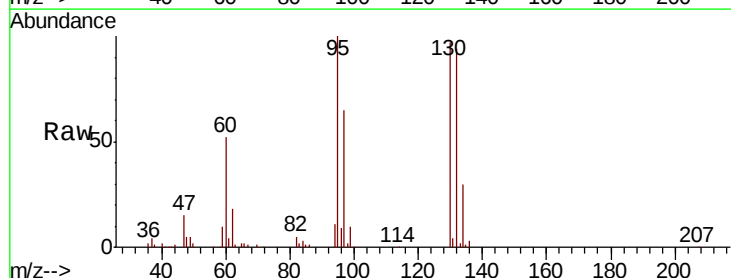
Acq: 15 Aug 2019 17:26

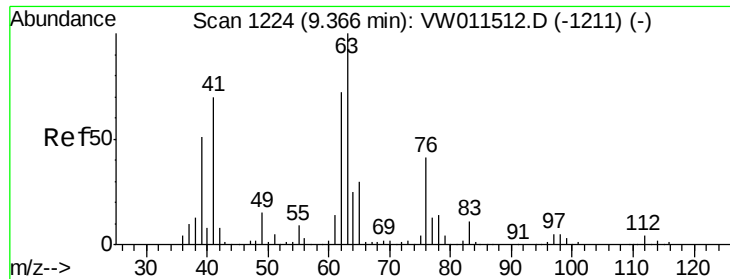
Tgt Ion: 130 Resp: 49478

Ion Ratio Lower Upper

130 100

95 102.6 0.0 204.8





#45

1,2-Dichloropropane

Concen: 21.257 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW011933.D

Acq: 15 Aug 2019 17:26

Instrument :

MSVOA_W

ClientSampleId :

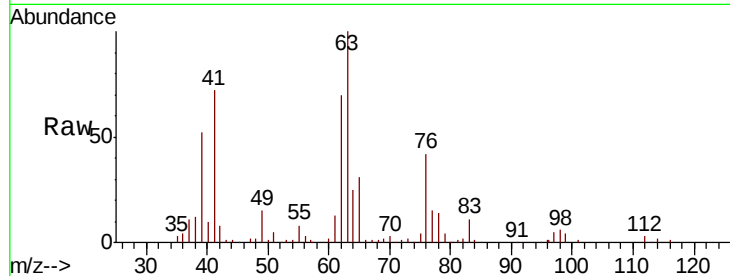
VW0816SBSD01

Tgt Ion: 63 Resp: 56285

Ion Ratio Lower Upper

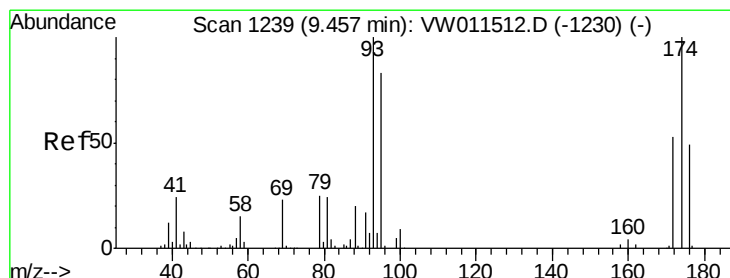
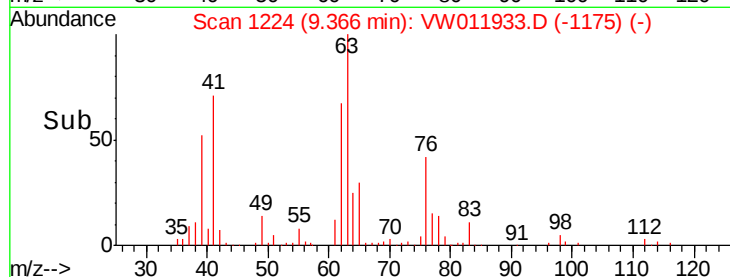
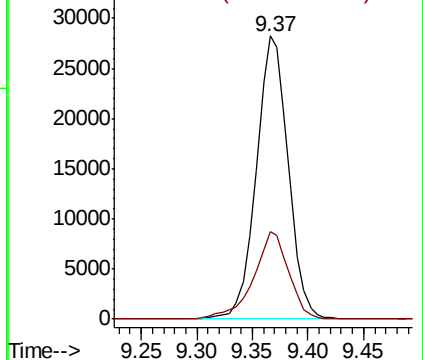
63 100

65 30.8 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 20.437 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW011933.D

Acq: 15 Aug 2019 17:26

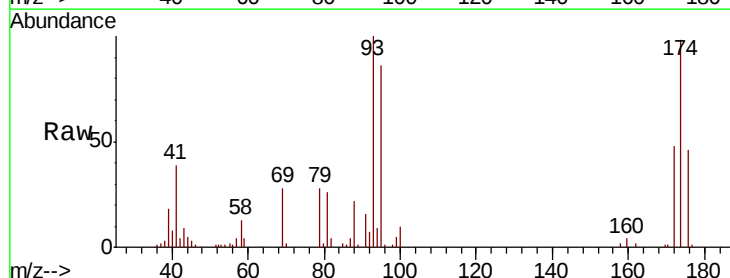
Tgt Ion: 93 Resp: 24698

Ion Ratio Lower Upper

93 100

95 82.1 66.2 99.2

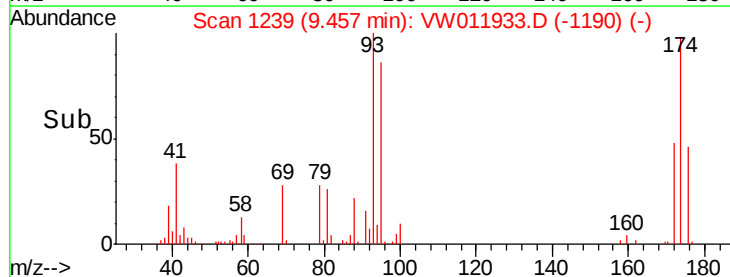
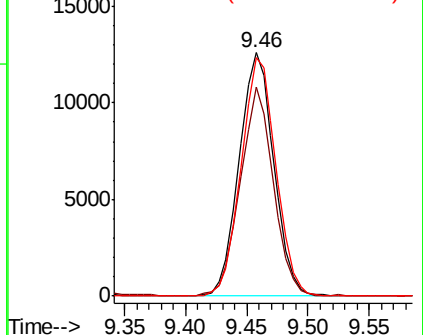
174 98.2 78.2 117.4

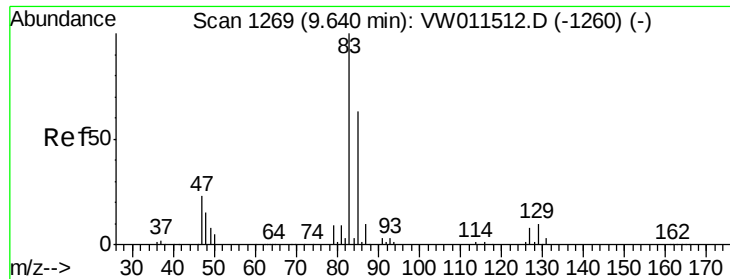


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.872 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW011933.D

Acq: 15 Aug 2019 17:26

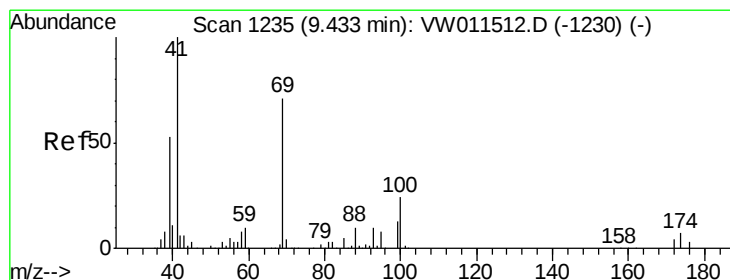
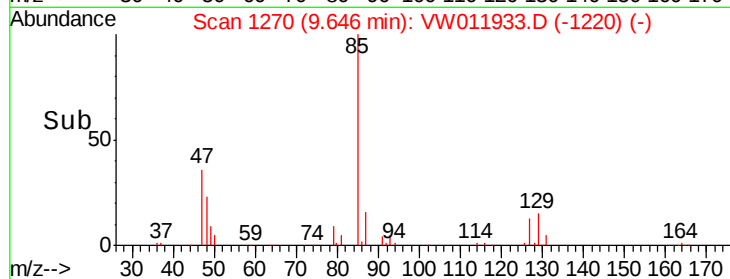
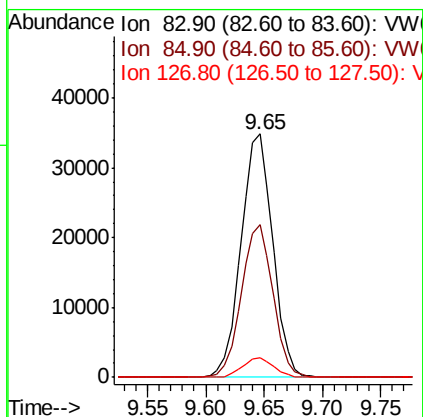
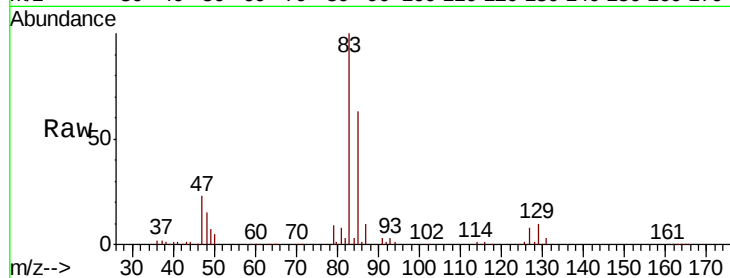
Instrument :

MSVOA_W

ClientSampleId :

VW0816SBSD01

Tgt Ion:	83	Resp:	66167
Ion	Ratio	Lower	Upper
83	100		
85	63.0	50.5	75.7
127	8.0	6.4	9.6



#48

Methyl methacrylate

Concen: 19.924 ug/l

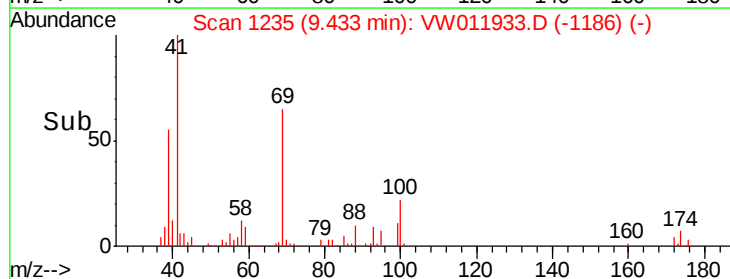
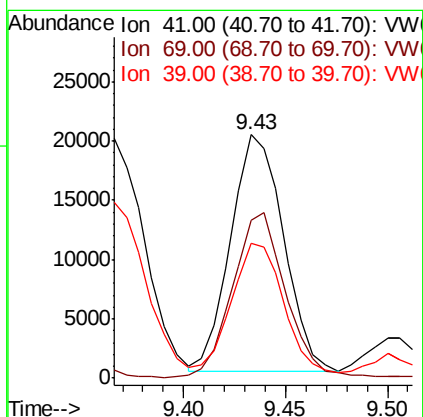
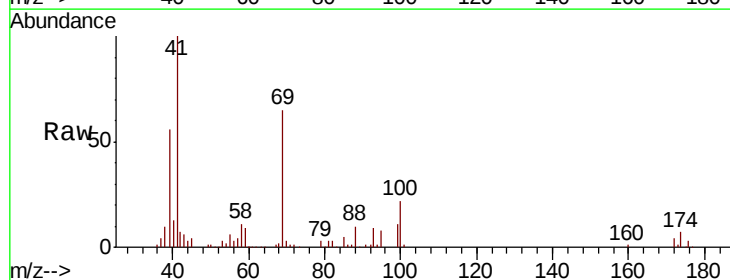
RT: 9.43 min Scan# 1235

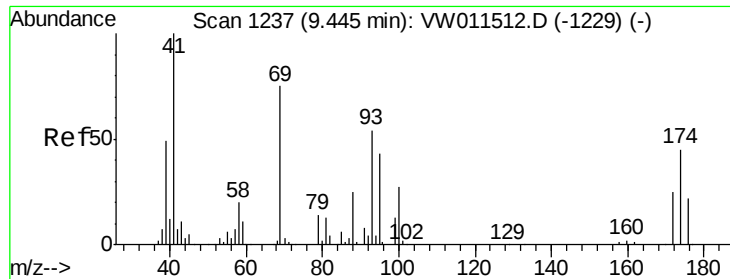
Delta R.T. -0.00 min

Lab File: VW011933.D

Acq: 15 Aug 2019 17:26

Tgt Ion:	41	Resp:	35776
Ion	Ratio	Lower	Upper
41	100		
69	70.5	57.1	85.7
39	58.7	45.4	68.2

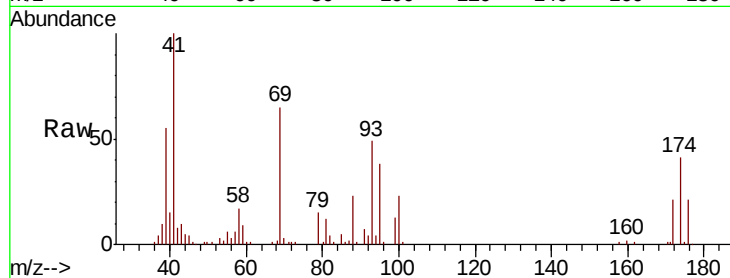




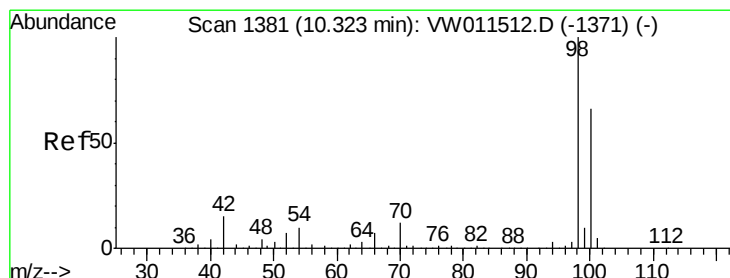
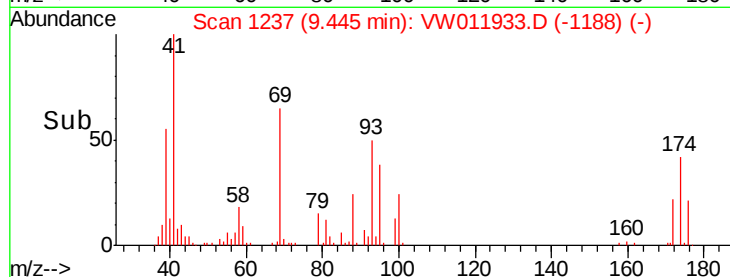
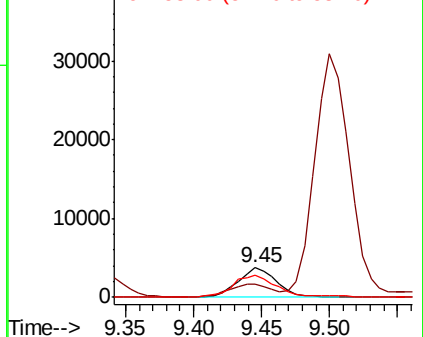
#49
1,4-Dioxane
Concen: 430.036 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW011933.D
Acq: 15 Aug 2019 17:26

Instrument :
MSVOA_W
ClientSampleId :
VW0816SBSD01

Tgt Ion: 88 Resp: 7525
Ion Ratio Lower Upper
88 100
43 44.3 34.0 51.0
58 80.4 69.7 104.5

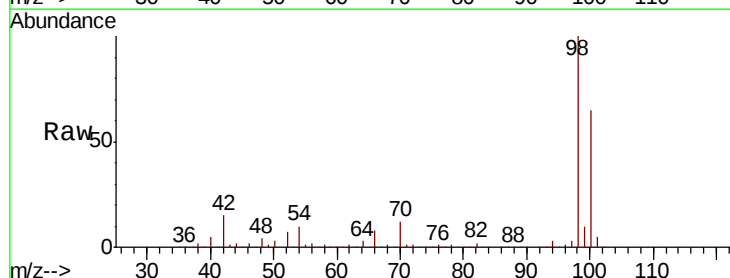


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

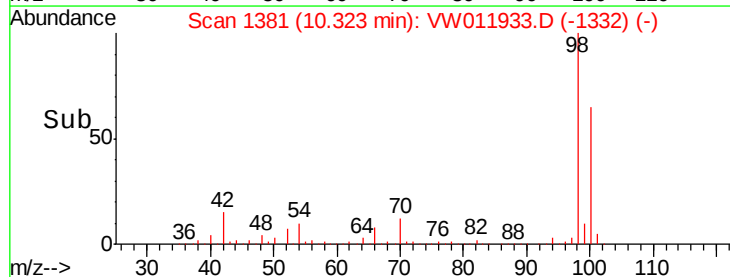
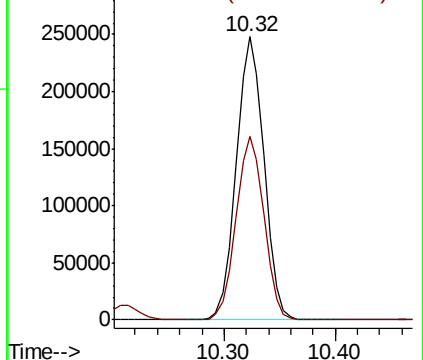


#50
Toluene-d8
Concen: 54.586 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011933.D
Acq: 15 Aug 2019 17:26

Tgt Ion: 98 Resp: 426001
Ion Ratio Lower Upper
98 100
100 65.5 52.7 79.1



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

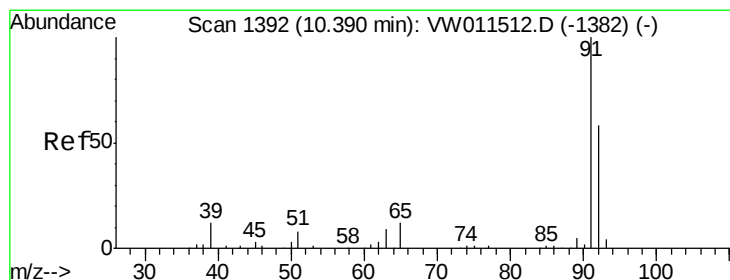
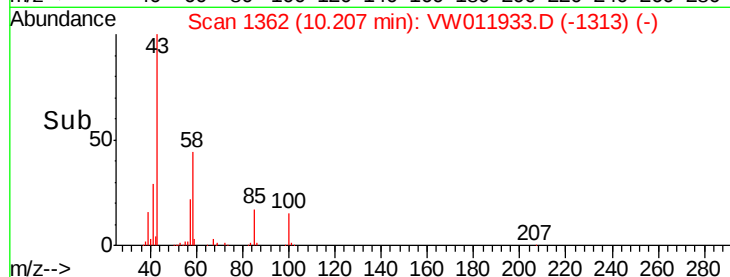
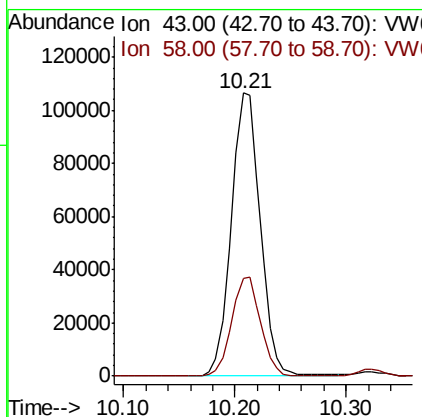
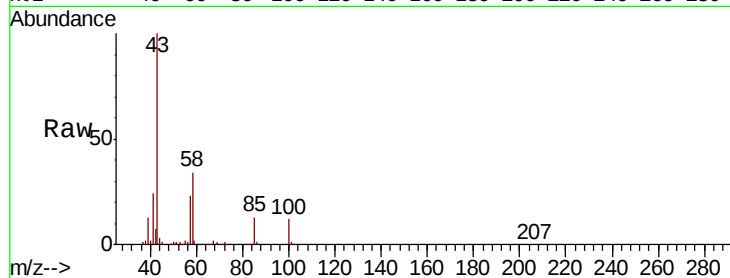




#51
 4-Methyl-2-Pentanone
 Concen: 98.320 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW011933.D
 Acq: 15 Aug 2019 17:26

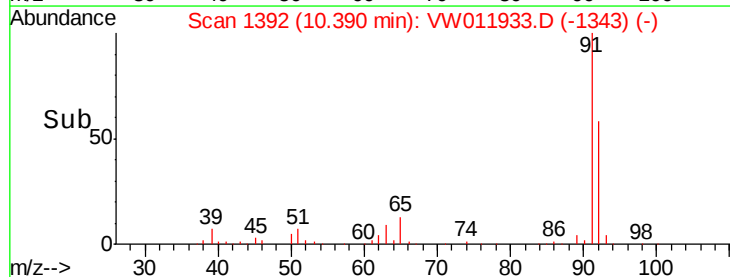
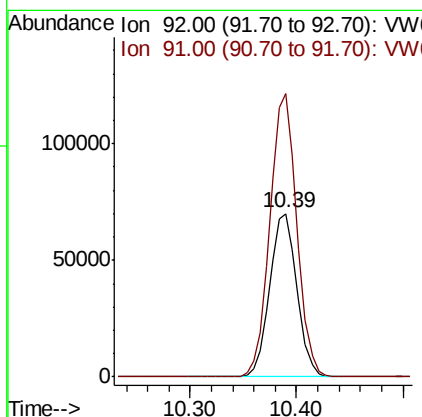
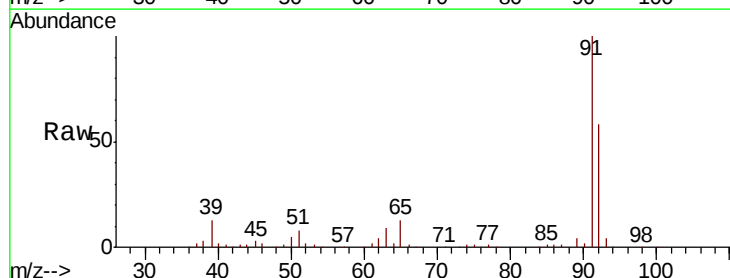
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0816SBSD01

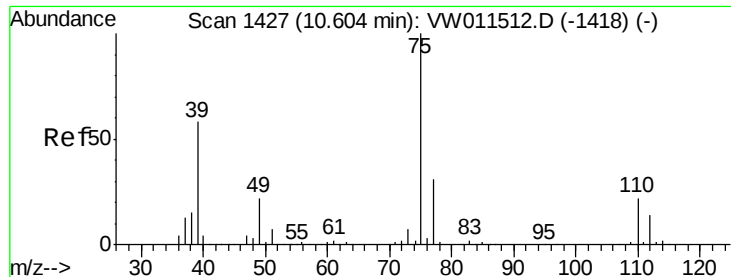
Tgt Ion: 43 Resp: 191170
 Ion Ratio Lower Upper
 43 100
 58 35.0 28.2 42.2



#52
 Toluene
 Concen: 20.945 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW011933.D
 Acq: 15 Aug 2019 17:26

Tgt Ion: 92 Resp: 125167
 Ion Ratio Lower Upper
 92 100
 91 170.9 136.7 205.1





#53

t-1,3-Dichloropropene

Concen: 19.816 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW011933.D

Acq: 15 Aug 2019 17:26

Instrument :

MSVOA_W

ClientSampleId :

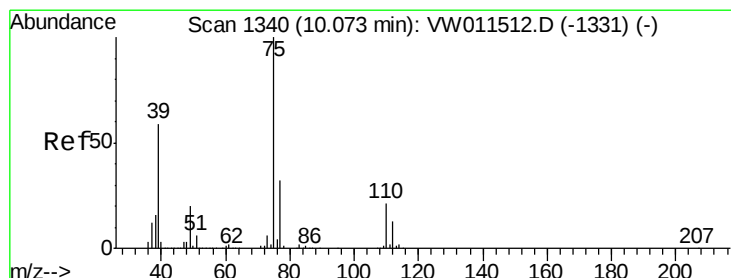
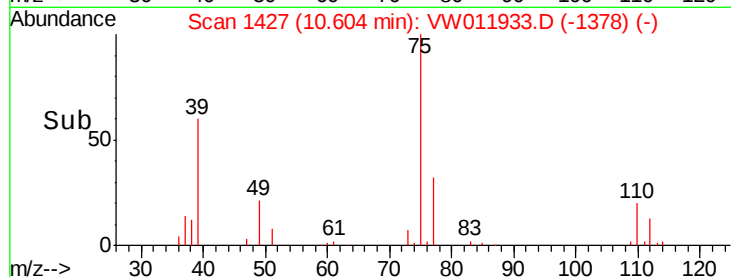
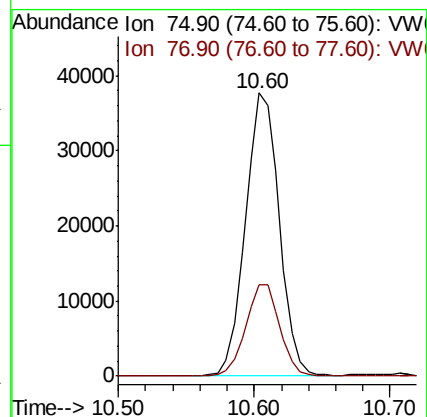
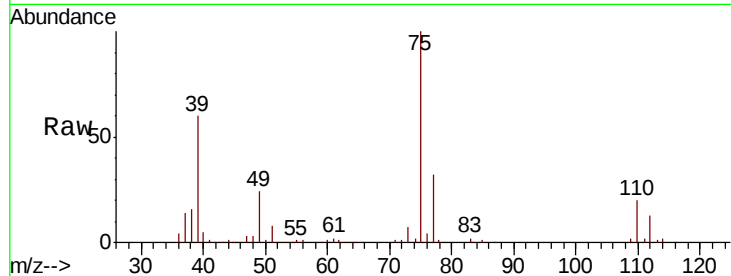
VW0816SBSD01

Tgt Ion: 75 Resp: 65620

Ion Ratio Lower Upper

75 100

77 32.0 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 20.144 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW011933.D

Acq: 15 Aug 2019 17:26

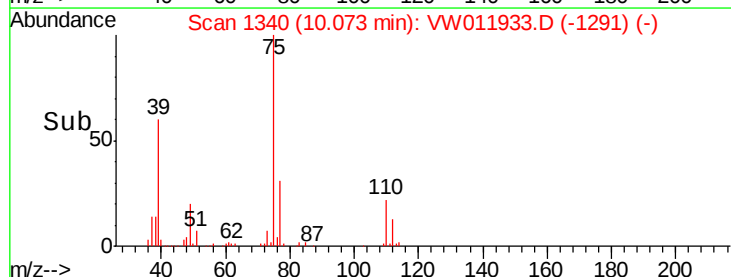
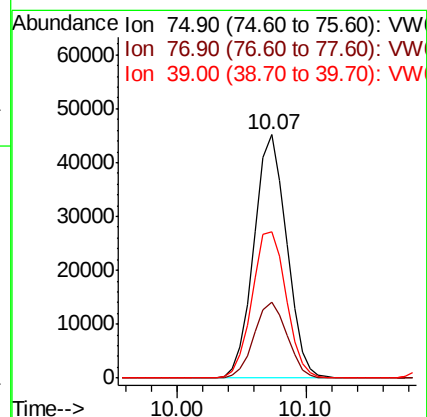
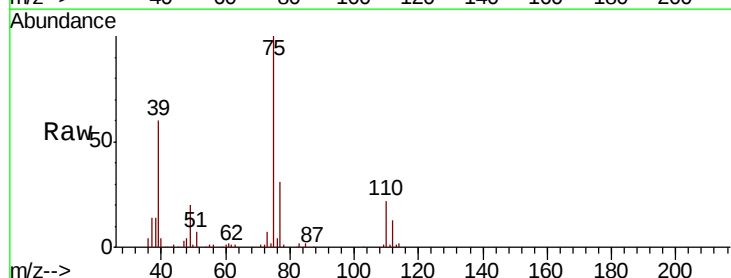
Tgt Ion: 75 Resp: 79316

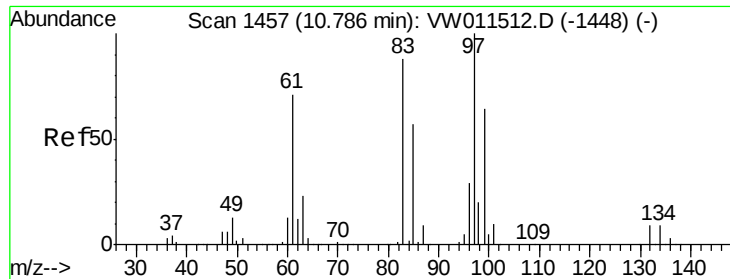
Ion Ratio Lower Upper

75 100

77 31.0 25.6 38.4

39 60.0 47.0 70.4

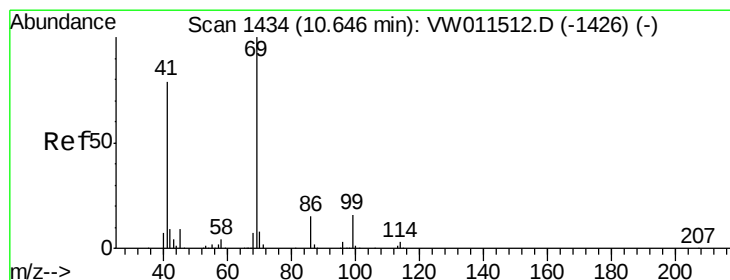
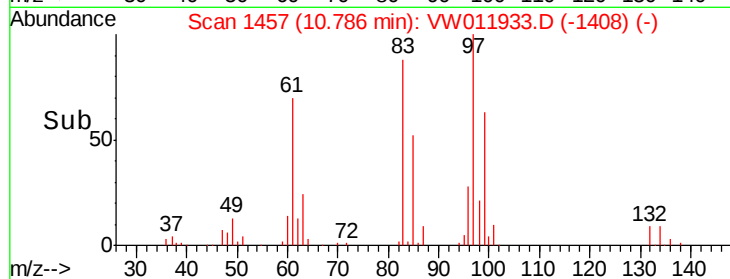
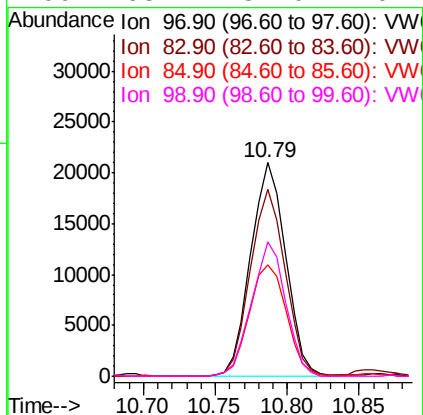
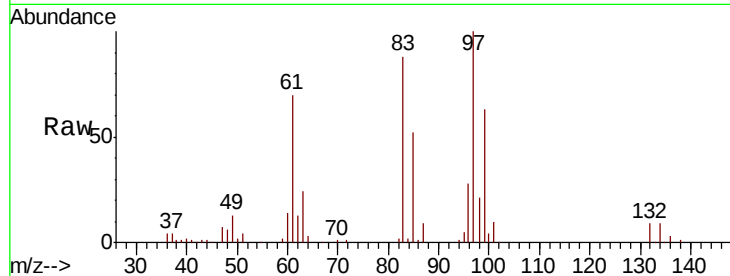




#55
 1,1,2-Trichloroethane
 Concen: 20.643 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW011933.D
 Acq: 15 Aug 2019 17:26

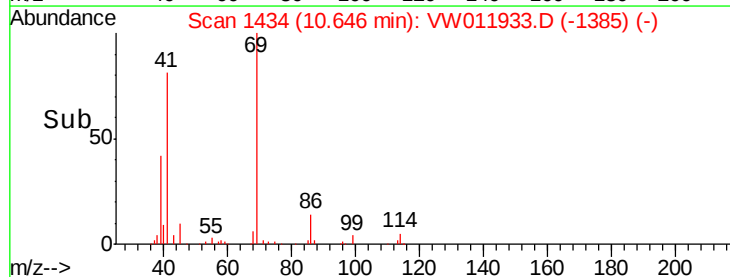
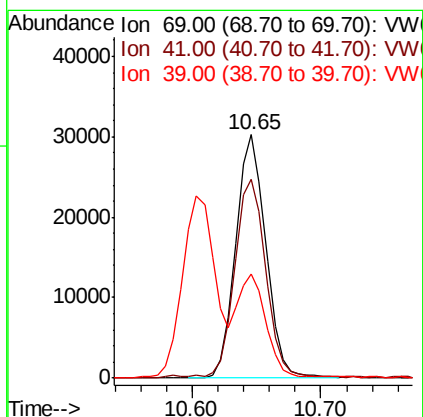
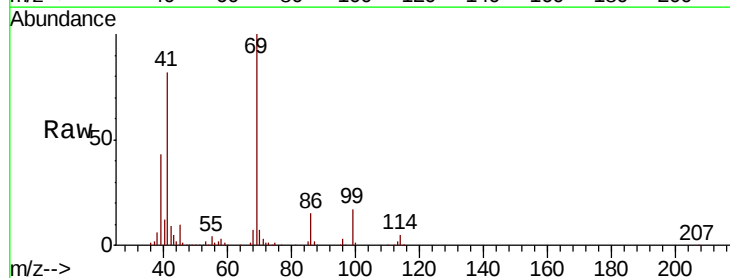
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0816SBS01

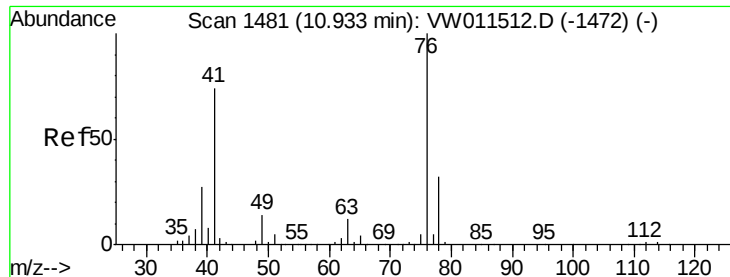
Tgt Ion:	97	Resp:	35396
Ion	Ratio	Lower	Upper
97	100		
83	87.8	70.5	105.7
85	52.1	45.8	68.6
99	63.1	51.0	76.4



#56
 Ethyl methacrylate
 Concen: 19.559 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW011933.D
 Acq: 15 Aug 2019 17:26

Tgt Ion:	69	Resp:	49077
Ion	Ratio	Lower	Upper
69	100		
41	83.5	66.6	99.8
39	40.3	30.3	45.5

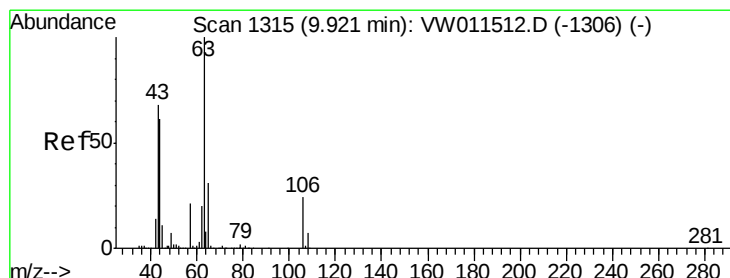
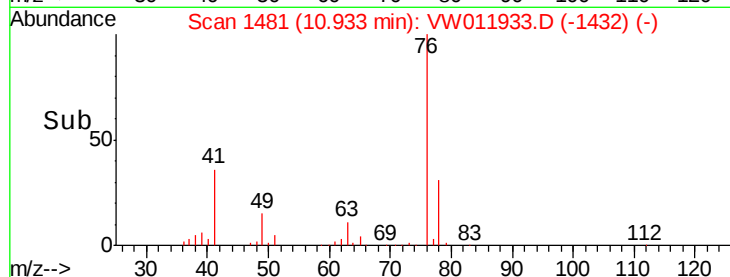
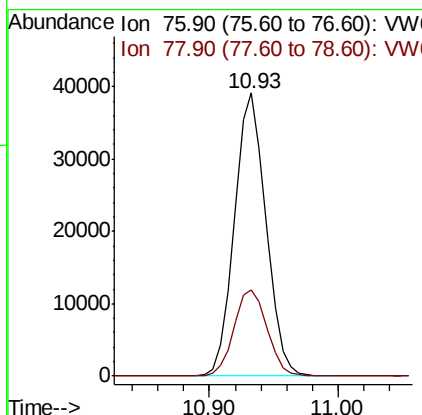
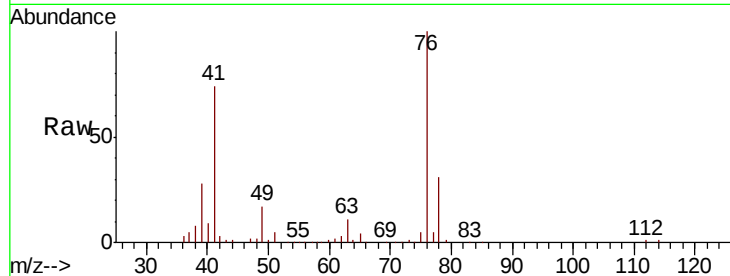




#57
 1,3-Dichloropropane
 Concen: 20.445 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW011933.D
 Acq: 15 Aug 2019 17:26

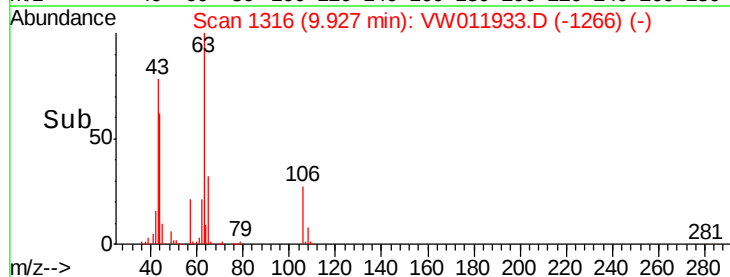
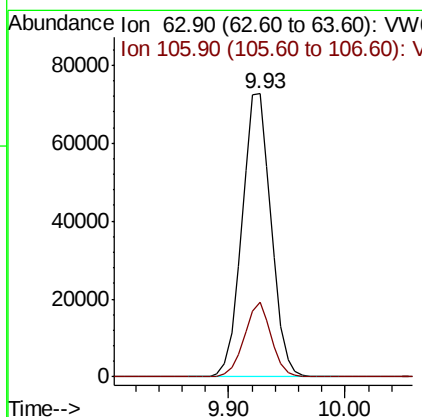
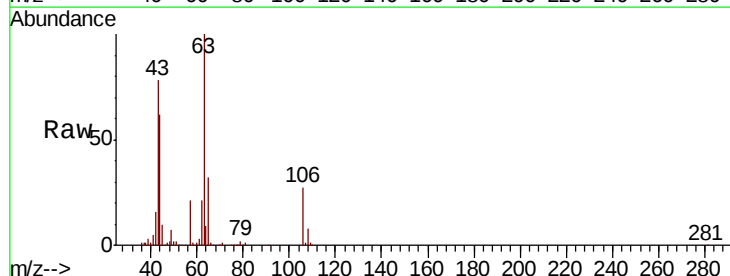
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0816SBSD01

Tgt Ion: 76 Resp: 66326
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 111.356 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW011933.D
 Acq: 15 Aug 2019 17:26

Tgt Ion: 63 Resp: 126863
 Ion Ratio Lower Upper
 63 100
 106 24.4 19.7 29.5

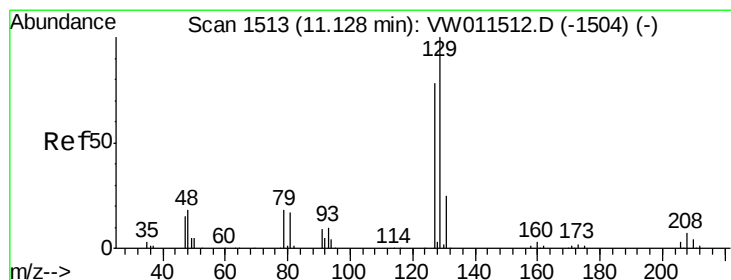
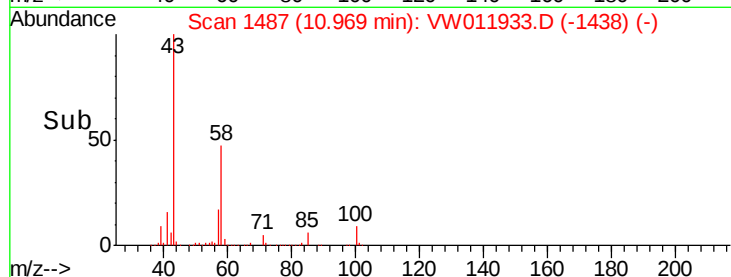
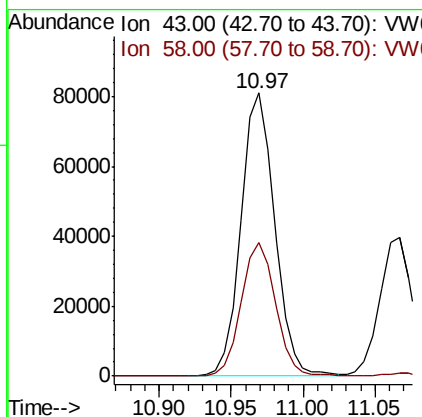
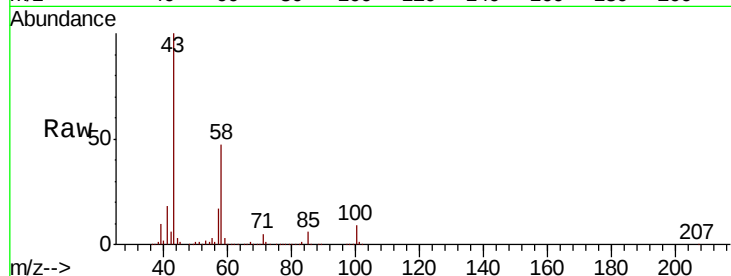




#59
2-Hexanone
Concen: 95.945 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011933.D
Acq: 15 Aug 2019 17:26

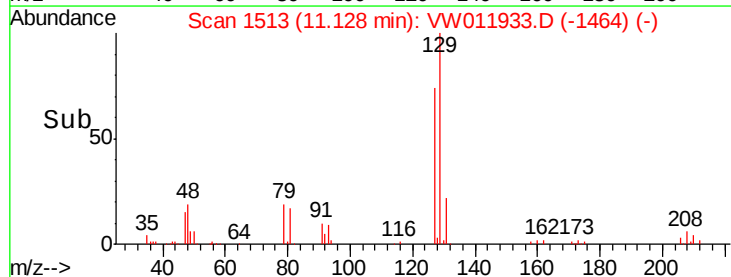
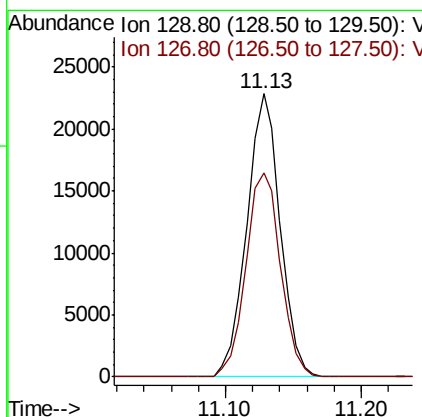
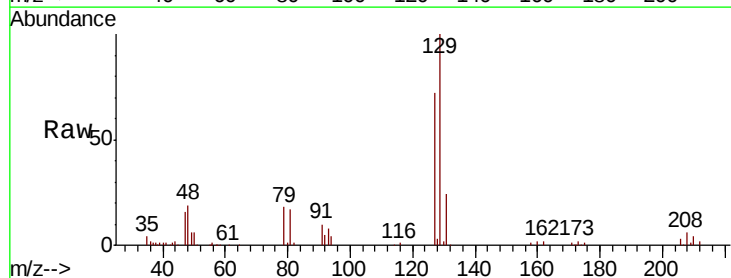
Instrument :
MSVOA_W
ClientSampleId :
VW0816SBSD01

Tgt Ion: 43 Resp: 131718
Ion Ratio Lower Upper
43 100
58 48.0 24.3 72.9



#60
Dibromochloromethane
Concen: 20.630 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011933.D
Acq: 15 Aug 2019 17:26

Tgt Ion: 129 Resp: 39267
Ion Ratio Lower Upper
129 100
127 74.8 38.9 116.7

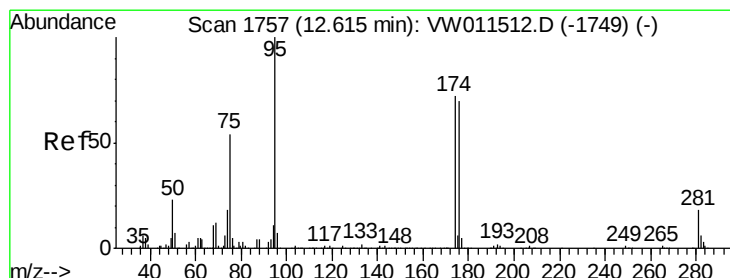
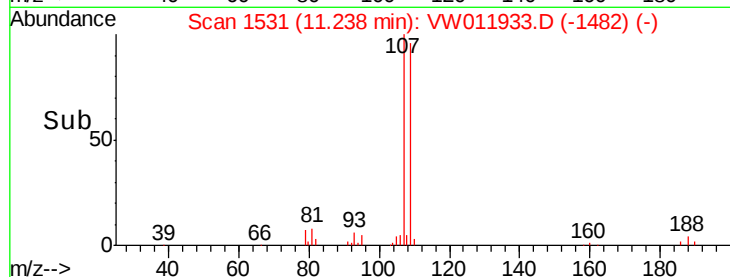
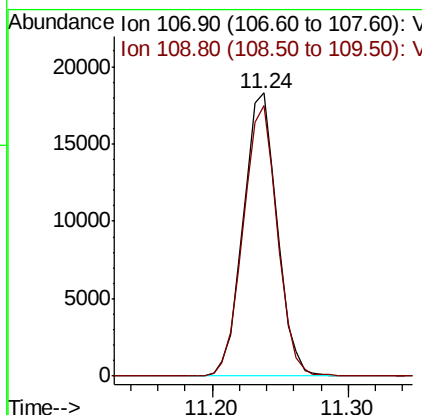
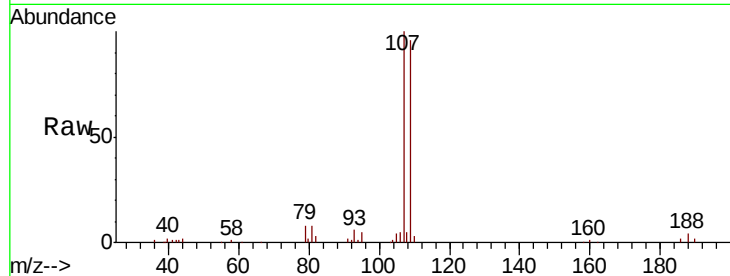




#61
 1,2-Dibromoethane
 Concen: 19.719 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW011933.D
 Acq: 15 Aug 2019 17:26

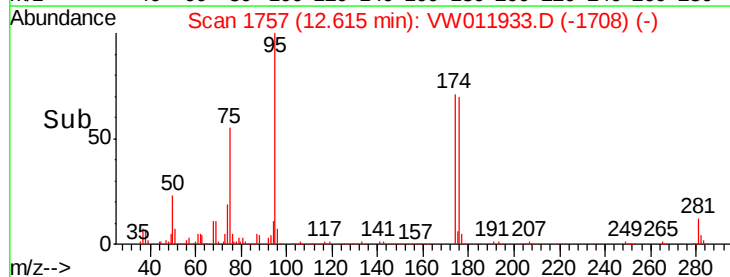
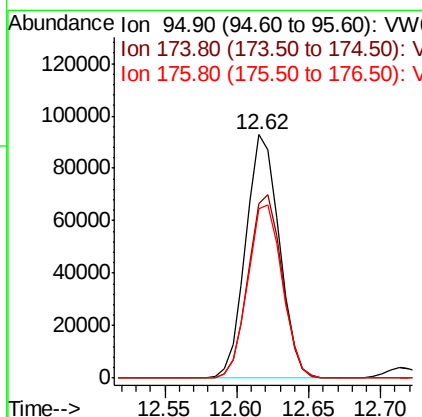
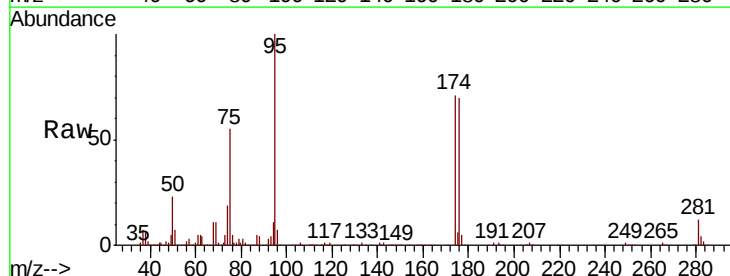
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0816SBSD01

Tgt Ion: 107 Resp: 31998
 Ion Ratio Lower Upper
 107 100
 109 95.8 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 53.759 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW011933.D
 Acq: 15 Aug 2019 17:26

Tgt Ion: 95 Resp: 149577
 Ion Ratio Lower Upper
 95 100
 174 75.8 0.0 150.2
 176 73.2 0.0 144.4

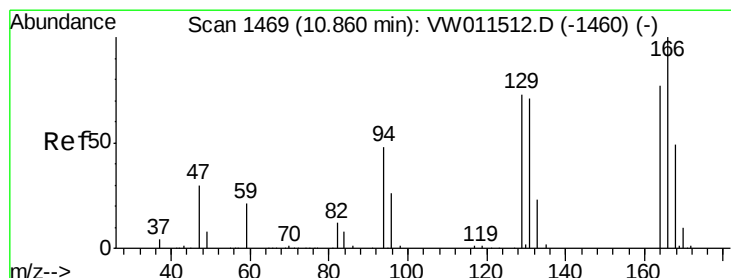
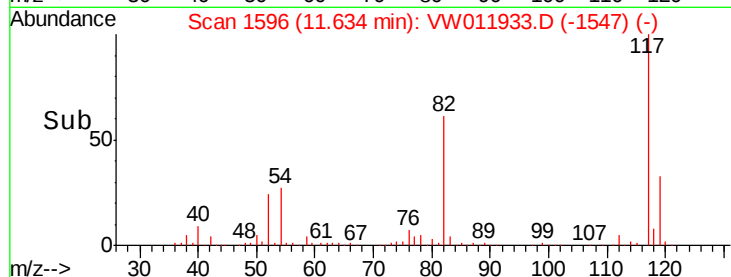
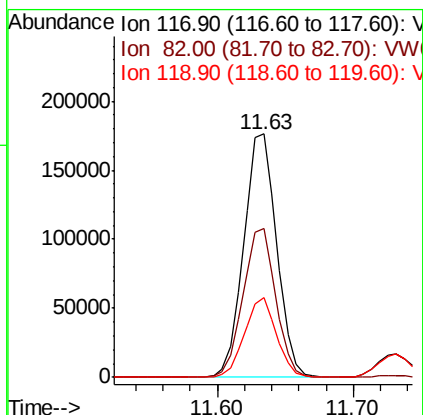
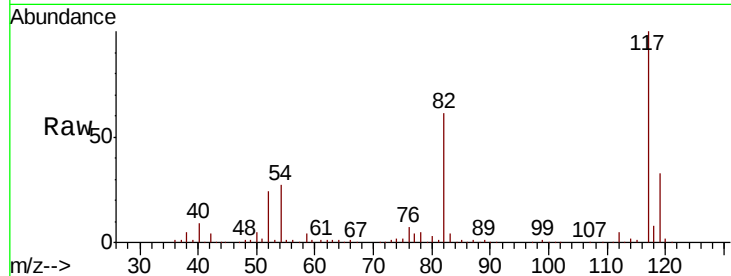




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011933.D
Acq: 15 Aug 2019 17:26

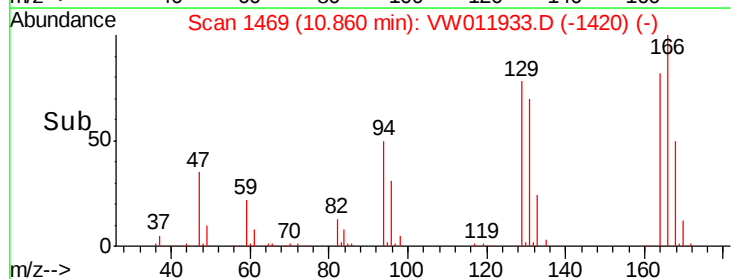
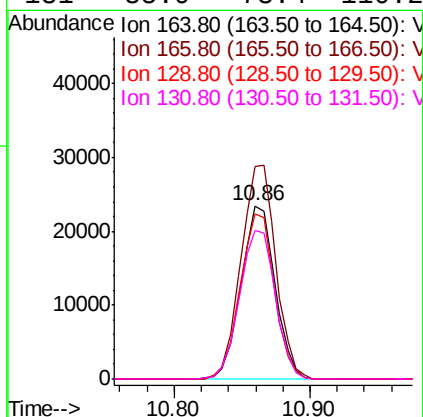
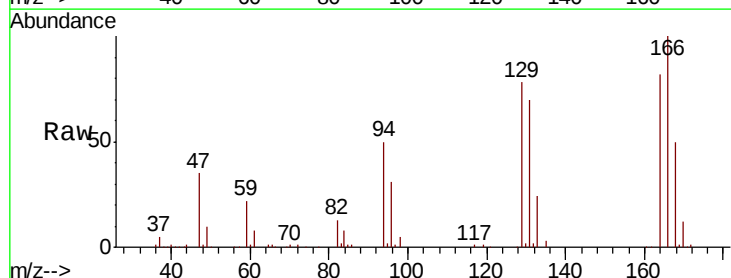
Instrument :
MSVOA_W
ClientSampleId :
VW0816SBSD01

Tgt Ion:117 Resp: 298880
Ion Ratio Lower Upper
117 100
82 61.0 47.9 71.9
119 32.5 26.2 39.2



#64
Tetrachloroethene
Concen: 21.052 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011933.D
Acq: 15 Aug 2019 17:26

Tgt Ion:164 Resp: 40968
Ion Ratio Lower Upper
164 100
166 122.6 103.5 155.3
129 95.1 75.2 112.8
131 85.9 73.4 110.2

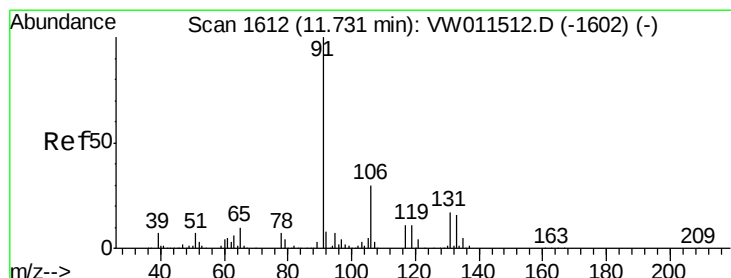
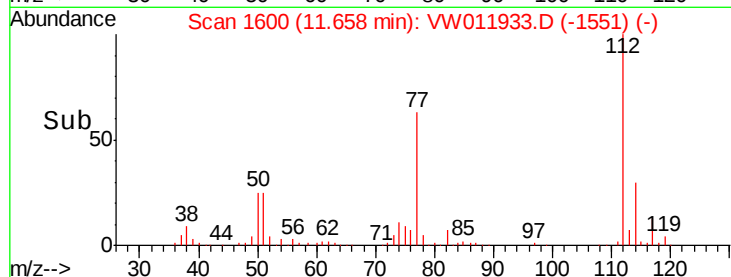
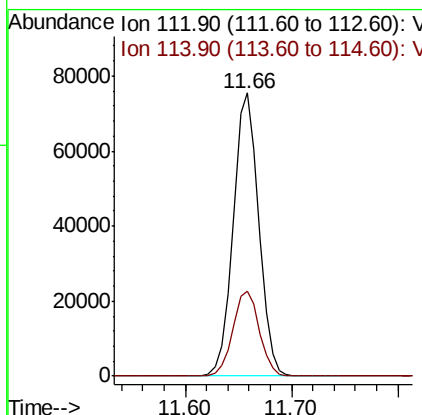
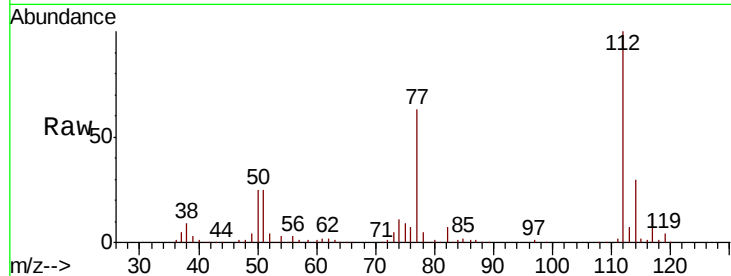




#65
Chlorobenzene
Concen: 21.119 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011933.D
Acq: 15 Aug 2019 17:26

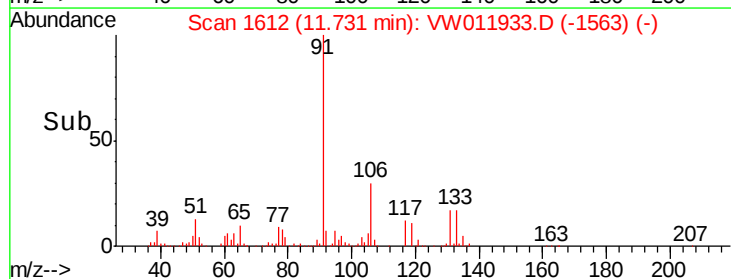
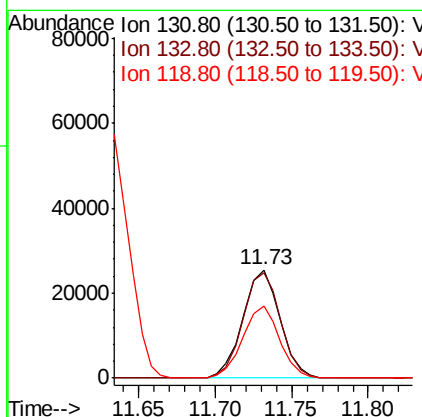
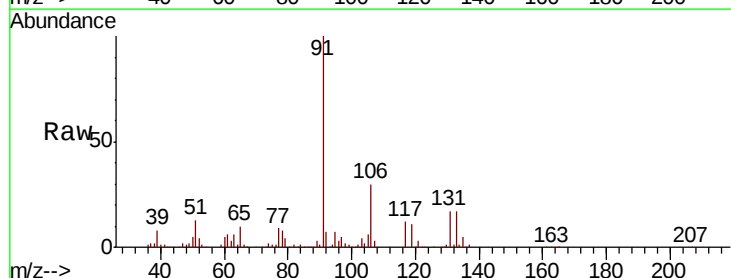
Instrument :
MSVOA_W
ClientSampleId :
VW0816SBSD01

Tgt Ion:112 Resp: 126901
Ion Ratio Lower Upper
112 100
114 30.0 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.625 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011933.D
Acq: 15 Aug 2019 17:26

Tgt Ion:131 Resp: 43168
Ion Ratio Lower Upper
131 100
133 98.1 47.4 142.2
119 65.6 32.3 96.9

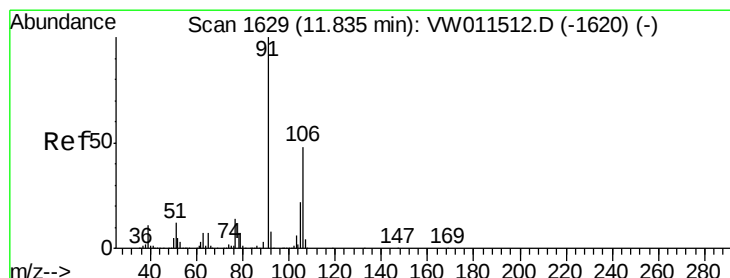
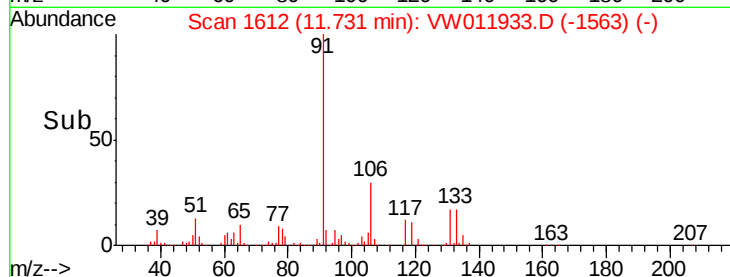
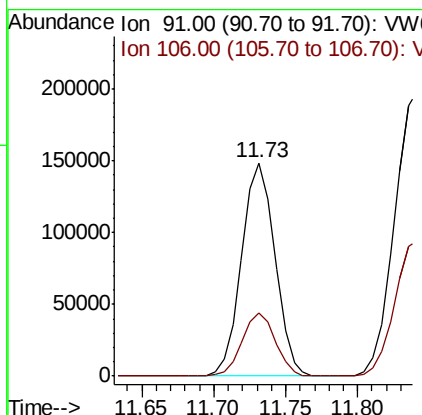
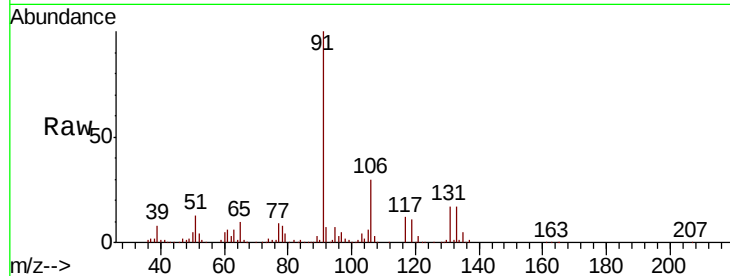




#67
Ethyl Benzene
Concen: 20.910 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011933.D
Acq: 15 Aug 2019 17:26

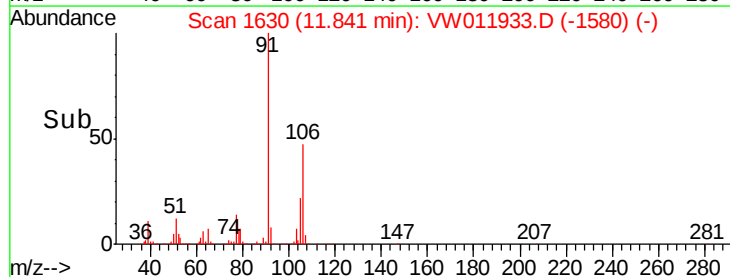
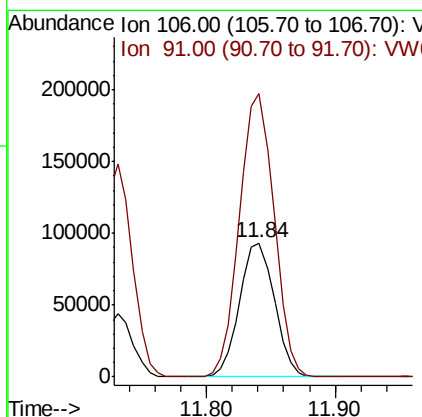
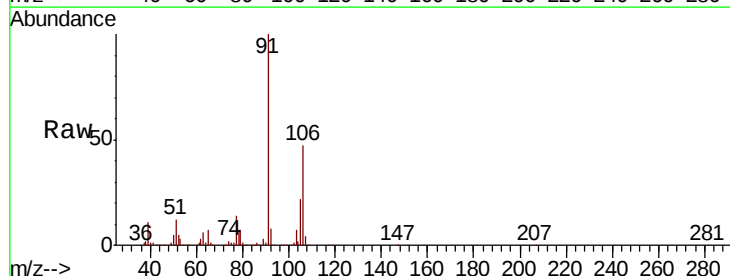
Instrument :
MSVOA_W
ClientSampleId :
VW0816SBSD01

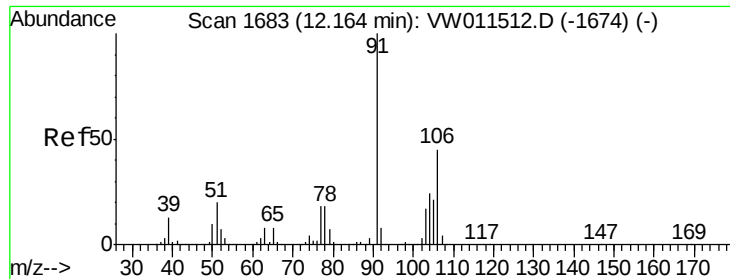
Tgt Ion: 91 Resp: 239295
Ion Ratio Lower Upper
91 100
106 29.5 23.8 35.6



#68
m/p-Xylenes
Concen: 42.056 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW011933.D
Acq: 15 Aug 2019 17:26

Tgt Ion: 106 Resp: 175032
Ion Ratio Lower Upper
106 100
91 210.3 168.2 252.2

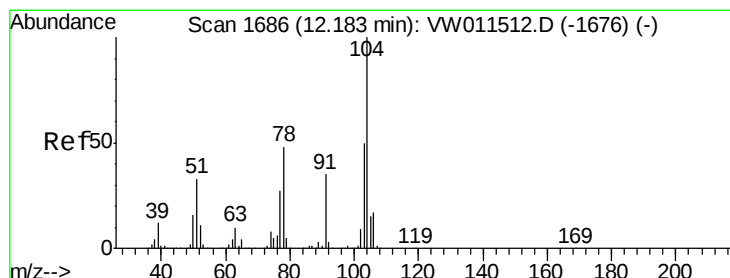
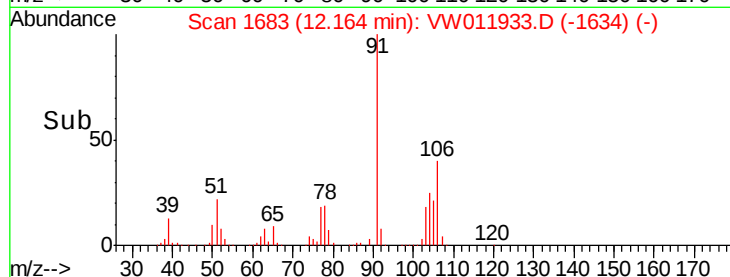
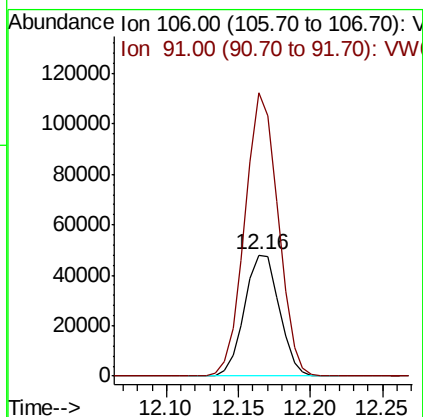
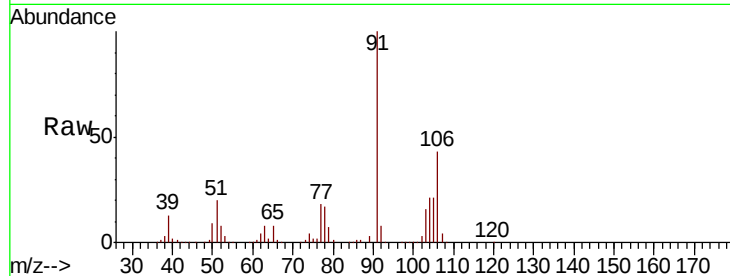




#69
o-Xylene
Concen: 20.765 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011933.D
Acq: 15 Aug 2019 17:26

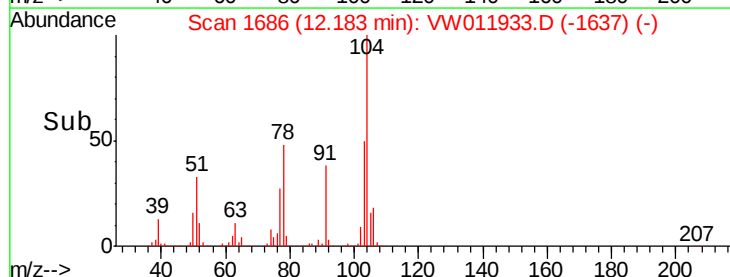
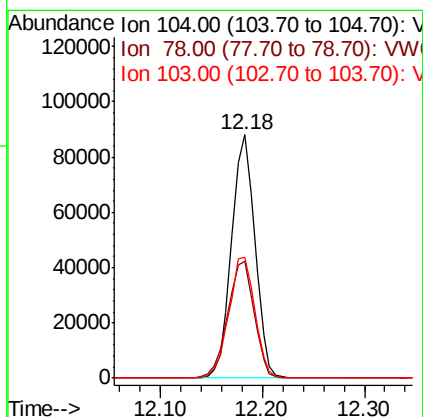
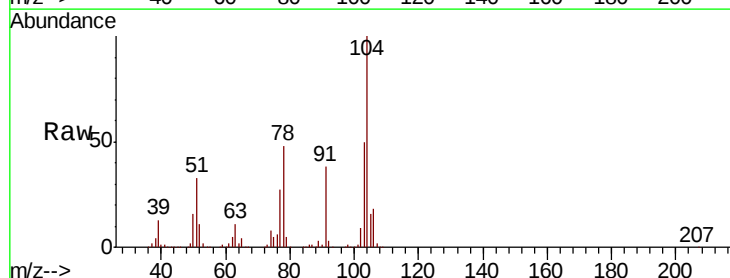
Instrument :
MSVOA_W
ClientSampleId :
VW0816SBSD01

Tgt Ion:106 Resp: 80308
Ion Ratio Lower Upper
106 100
91 223.8 110.5 331.5



#70
Styrene
Concen: 20.930 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011933.D
Acq: 15 Aug 2019 17:26

Tgt Ion:104 Resp: 139960
Ion Ratio Lower Upper
104 100
78 54.0 43.4 65.0
103 55.1 43.9 65.9





#71

Bromoform

Concen: 19.914 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW011933.D

Acq: 15 Aug 2019 17:26

Instrument :

MSVOA_W

ClientSampleId :

VW0816SBSD01

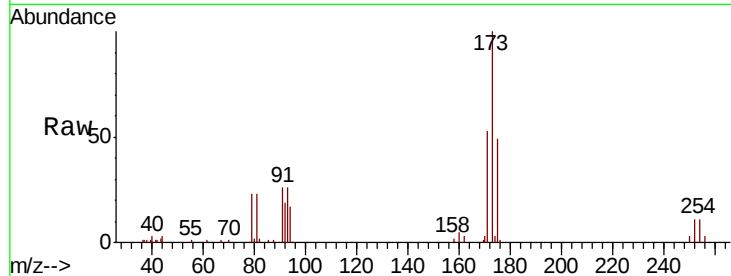
Tgt Ion:173 Resp: 21251

Ion Ratio Lower Upper

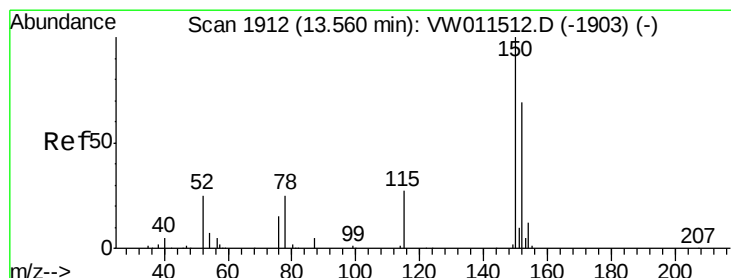
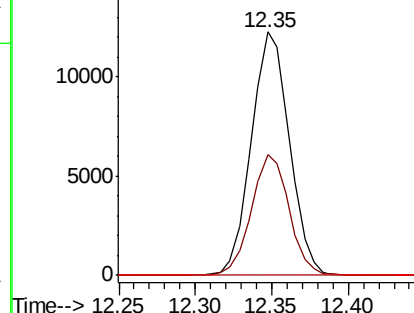
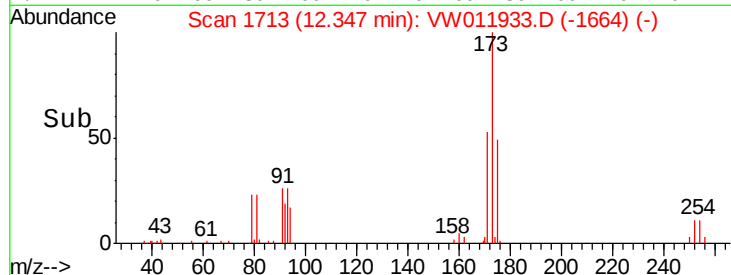
173 100

175 48.9 23.6 71.0

254 0.0 0.1 0.1#



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: VW011933.D

Acq: 15 Aug 2019 17:26

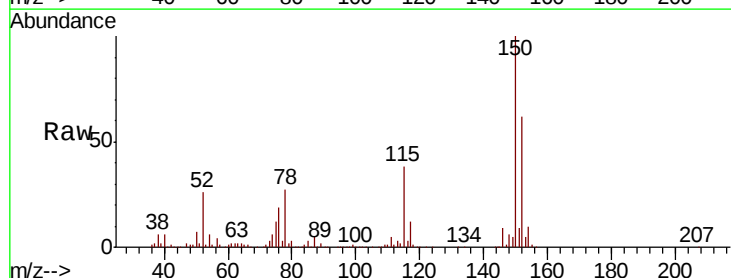
Tgt Ion:152 Resp: 144455

Ion Ratio Lower Upper

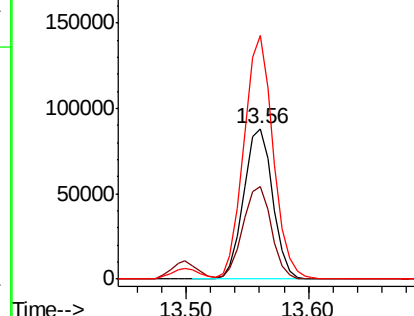
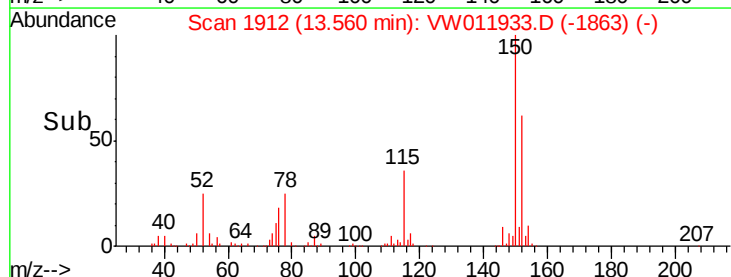
152 100

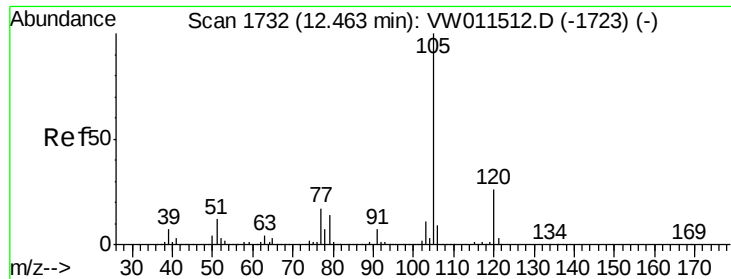
115 60.9 30.5 91.5

150 163.2 0.0 352.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.906 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011933.D

Acq: 15 Aug 2019 17:26

Instrument :

MSVOA_W

ClientSampleId :

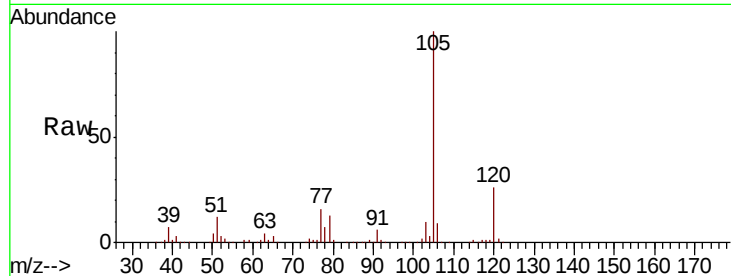
VW0816SBSD01

Tgt Ion: 105 Resp: 225302

Ion Ratio Lower Upper

105 100

120 25.3 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

100000

50000

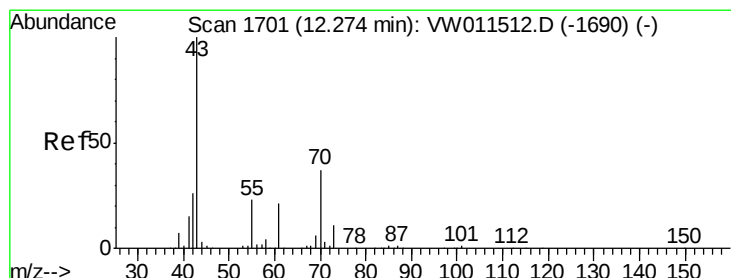
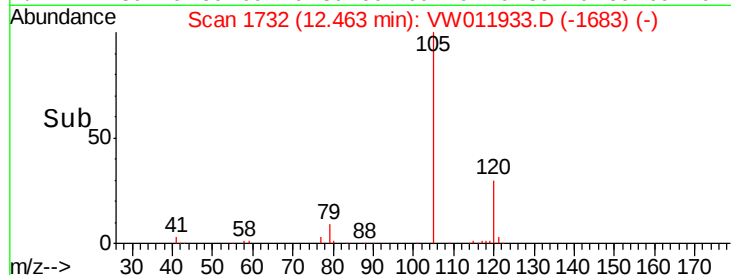
0

12.46

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 20.333 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW011933.D

Acq: 15 Aug 2019 17:26

Tgt Ion: 43 Resp: 68602

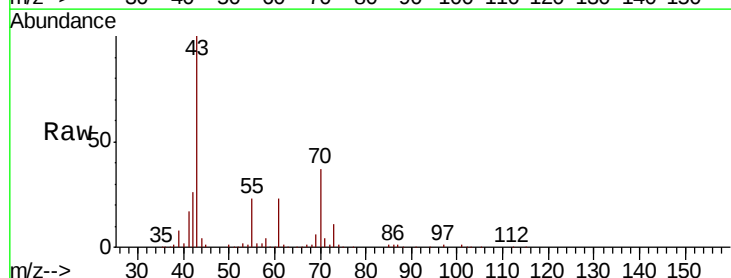
Ion Ratio Lower Upper

43 100

70 35.1 28.6 43.0

55 23.6 17.8 26.8

61 20.8 17.0 25.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

60000

40000

20000

0

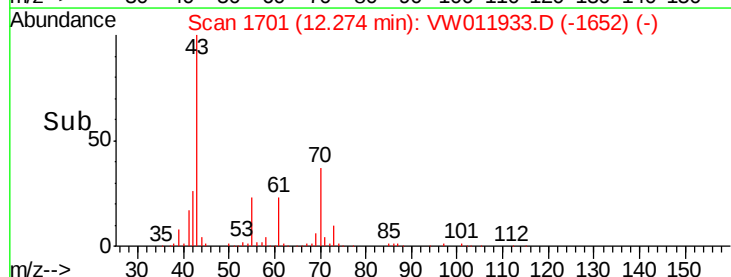
12.27

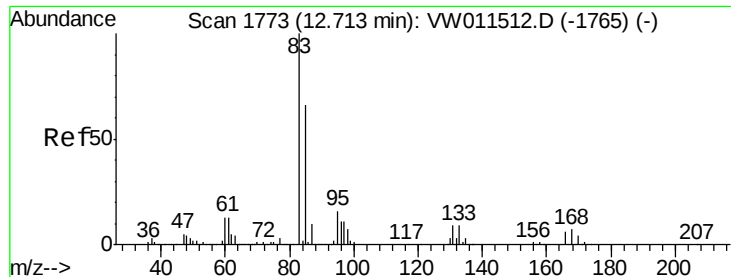
12.20

12.30

12.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.671 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011933.D

Acq: 15 Aug 2019 17:26

Instrument :

MSVOA_W

ClientSampleId :

VW0816SBSD01

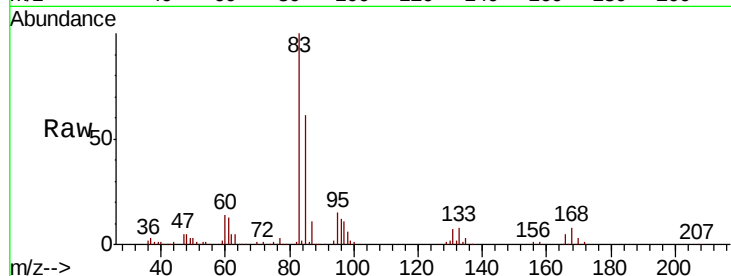
Tgt Ion: 83 Resp: 41902

Ion Ratio Lower Upper

83 100

131 10.0 4.9 14.6

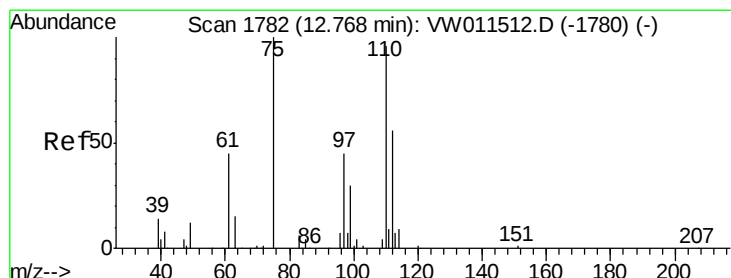
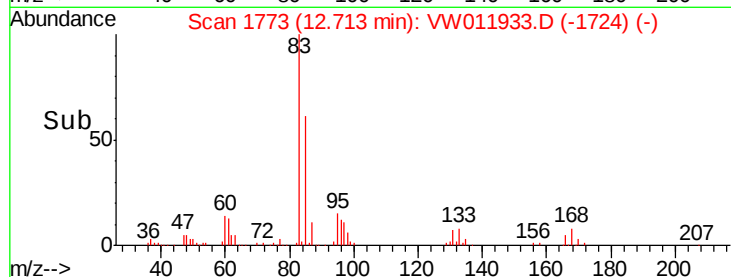
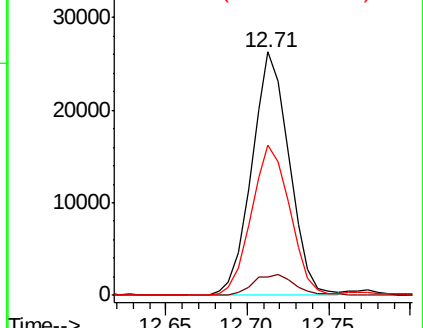
85 63.7 31.8 95.4



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: 36.131 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW011933.D

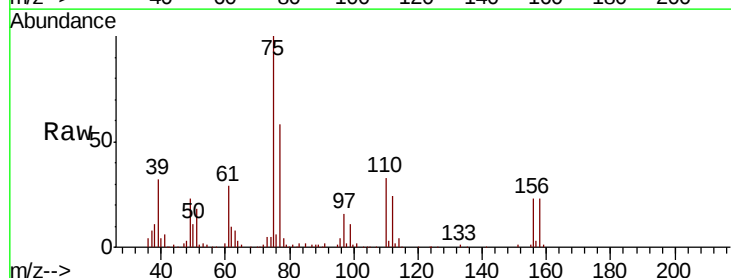
Acq: 15 Aug 2019 17:26

Tgt Ion: 75 Resp: 55226

Ion Ratio Lower Upper

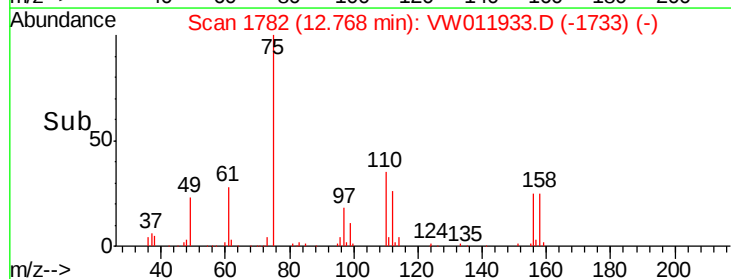
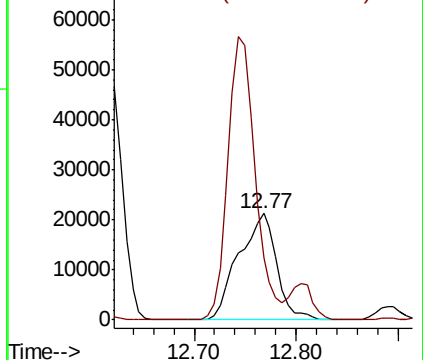
75 100

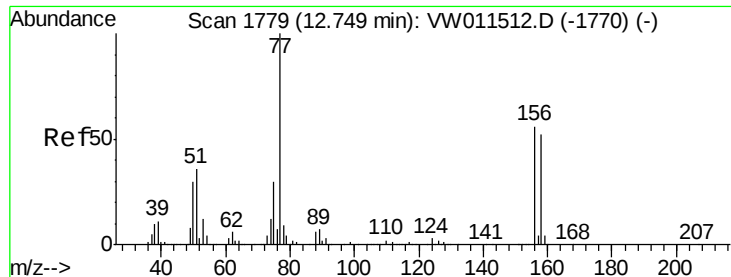
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 21.100 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW011933.D

Acq: 15 Aug 2019 17:26

Instrument :

MSVOA_W

ClientSampled :

VW0816SBSD01

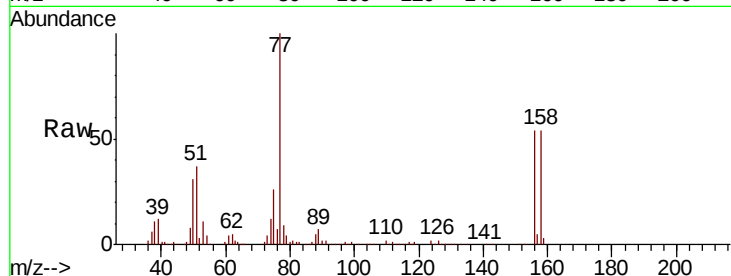
Tgt Ion:156 Resp: 50260

Ion Ratio Lower Upper

156 100

77 209.8 106.5 319.4

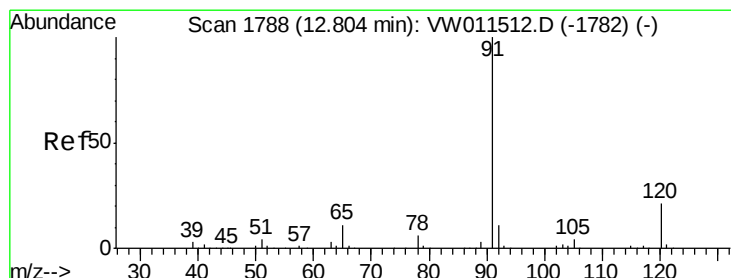
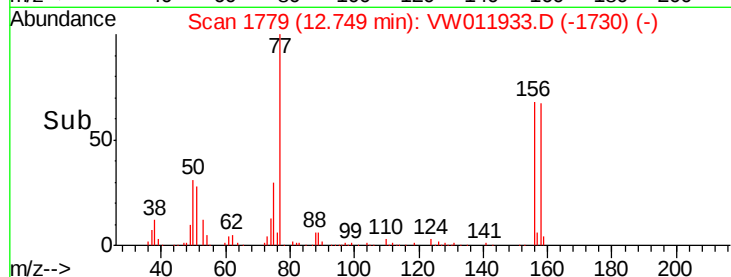
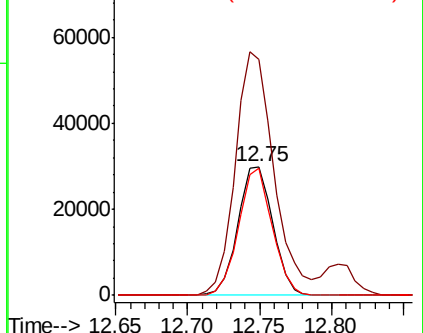
158 94.9 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.912 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW011933.D

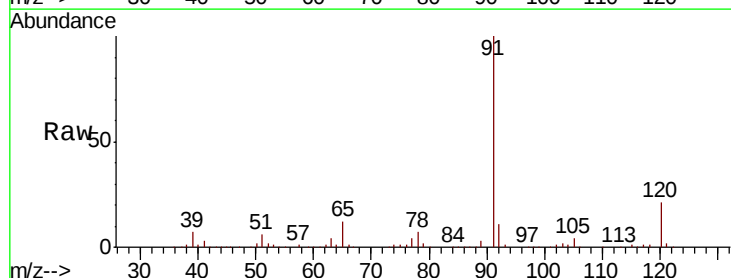
Acq: 15 Aug 2019 17:26

Tgt Ion: 91 Resp: 274273

Ion Ratio Lower Upper

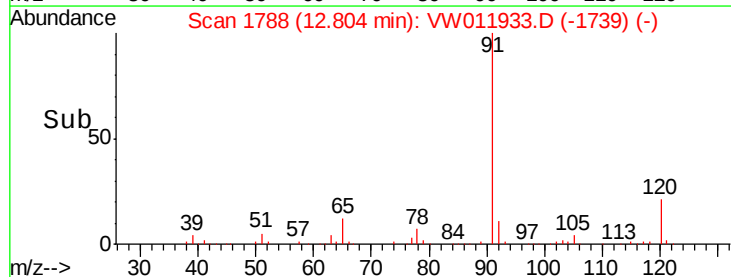
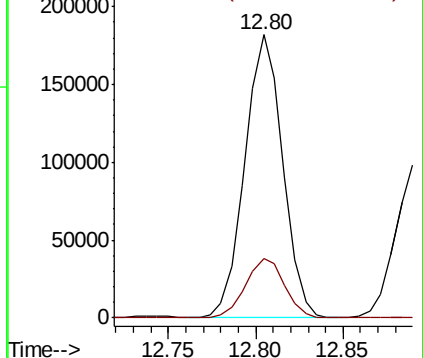
91 100

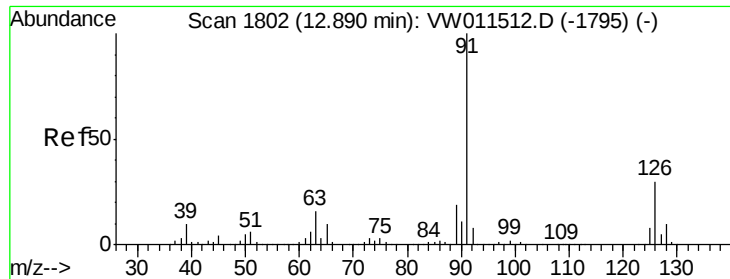
120 21.5 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

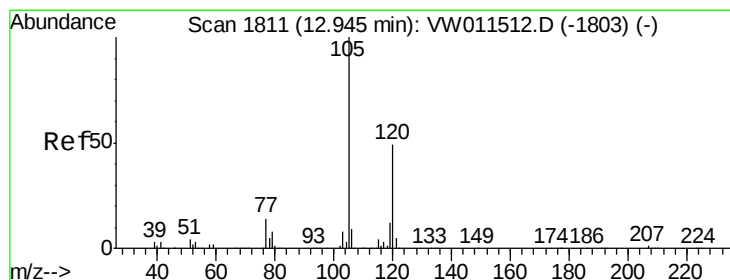
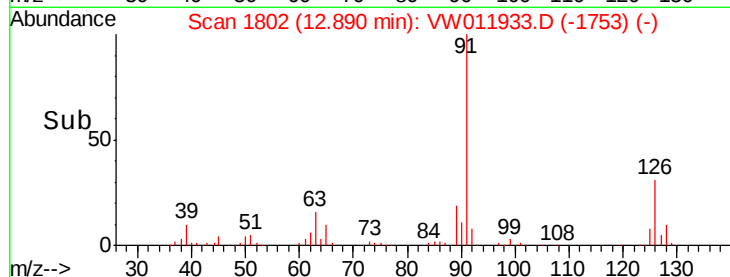
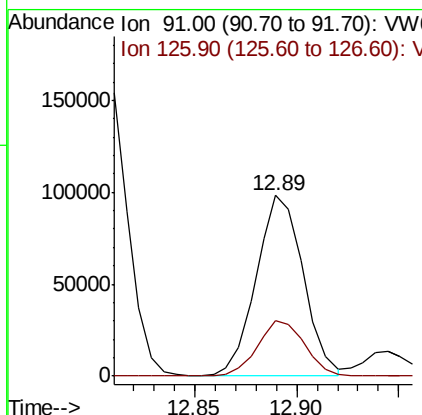
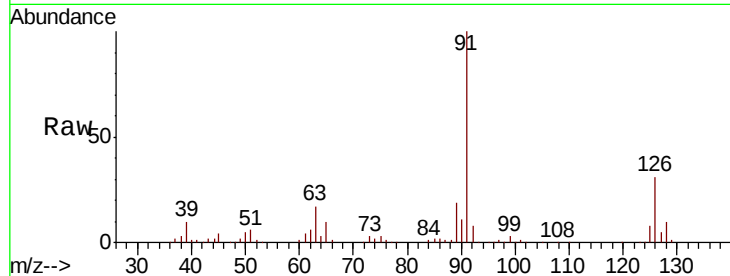




#79
 2-Chlorotoluene
 Concen: 20.758 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW011933.D
 Acq: 15 Aug 2019 17:26

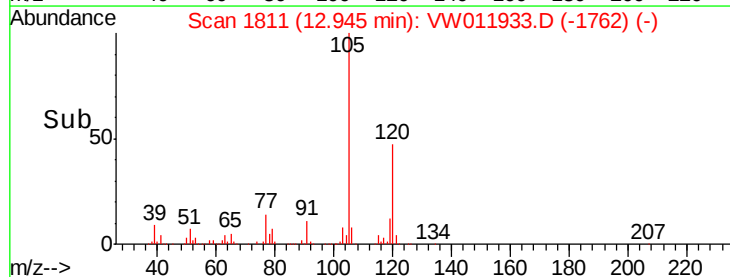
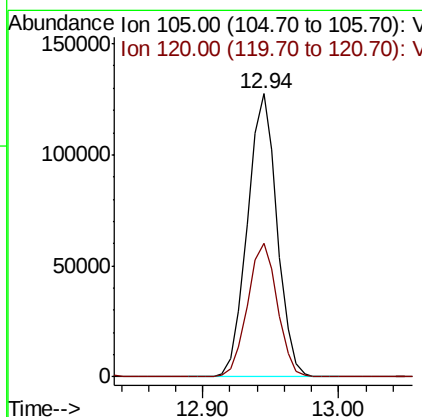
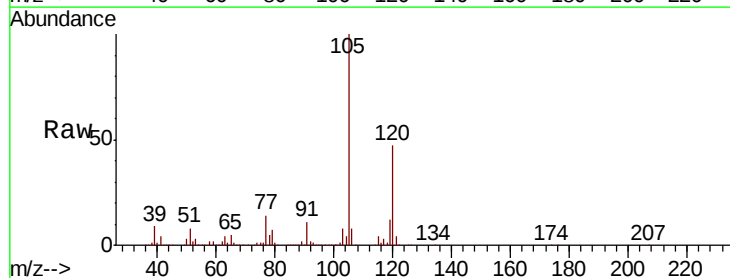
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0816SBSD01

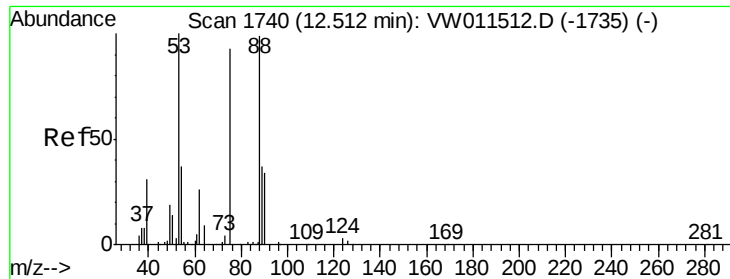
Tgt Ion: 91 Resp: 156839
 Ion Ratio Lower Upper
 91 100
 126 31.1 15.7 47.1



#80
 1,3,5-Trimethylbenzene
 Concen: 21.477 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW011933.D
 Acq: 15 Aug 2019 17:26

Tgt Ion: 105 Resp: 194011
 Ion Ratio Lower Upper
 105 100
 120 47.8 24.1 72.3





#81

trans-1,4-Dichloro-2-butene

Concen: 19.274 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW011933.D

Acq: 15 Aug 2019 17:26

Instrument :

MSVOA_W

ClientSampleId :

VW0816SBSD01

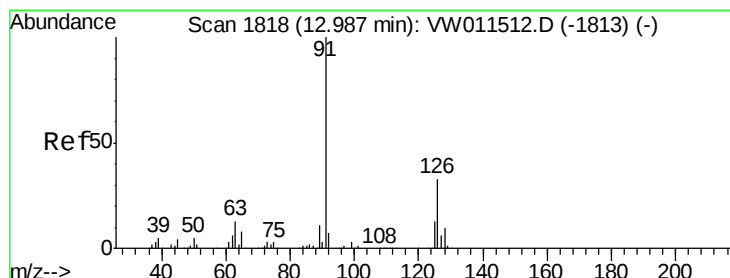
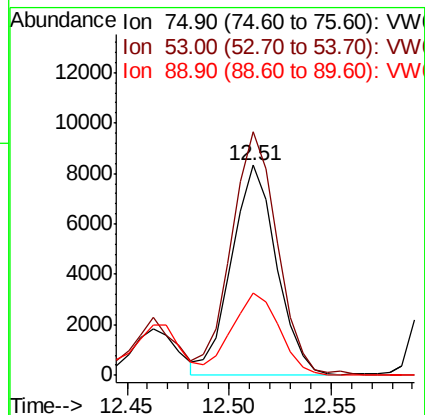
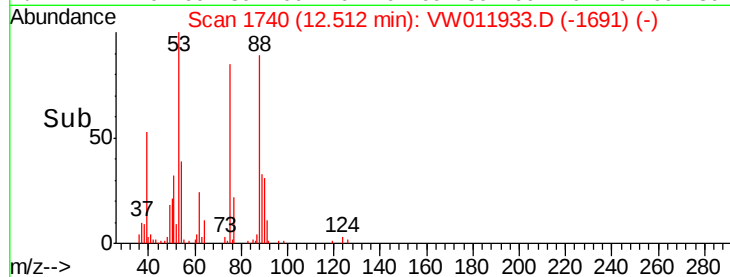
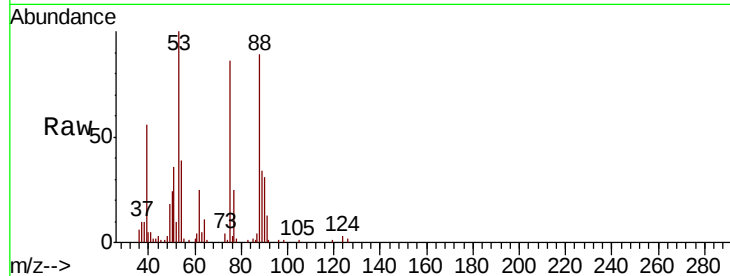
Tgt Ion: 75 Resp: 12783

Ion Ratio Lower Upper

75 100

53 119.1 88.0 132.0

89 41.1 35.3 52.9



#82

4-Chlorotoluene

Concen: 21.163 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW011933.D

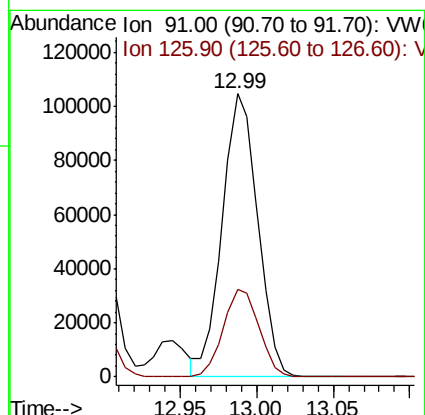
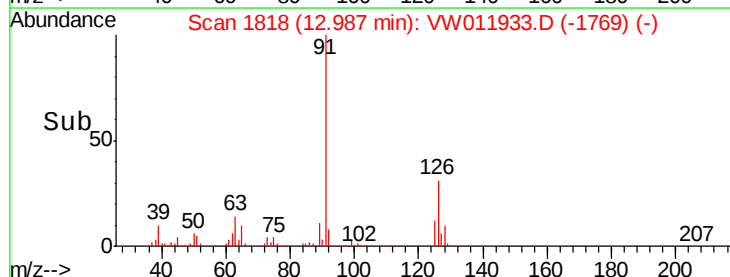
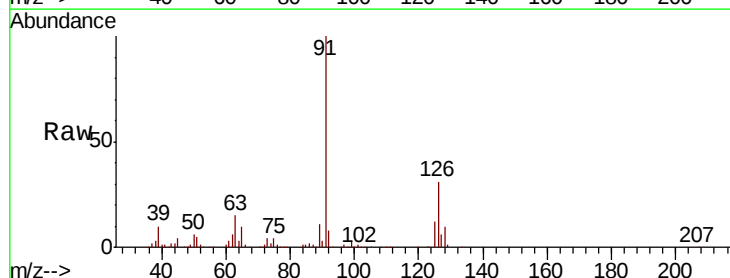
Acq: 15 Aug 2019 17:26

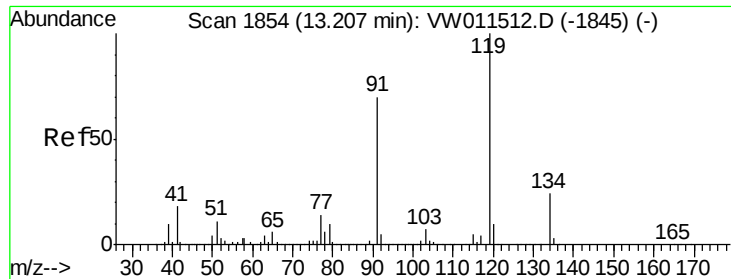
Tgt Ion: 91 Resp: 167768

Ion Ratio Lower Upper

91 100

126 31.3 15.6 46.8

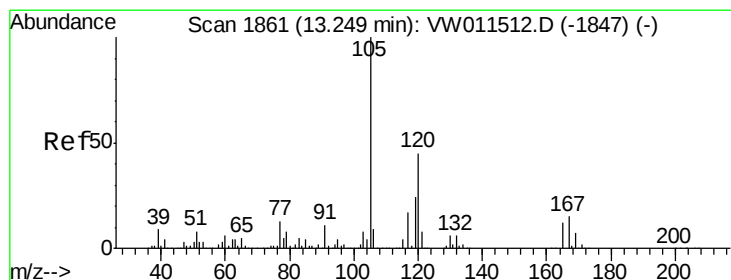
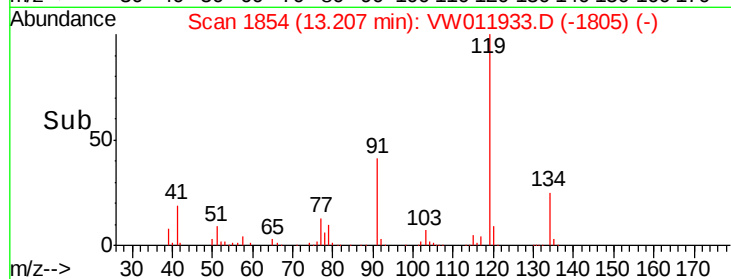
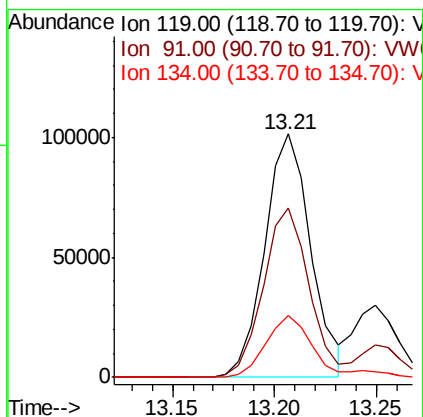
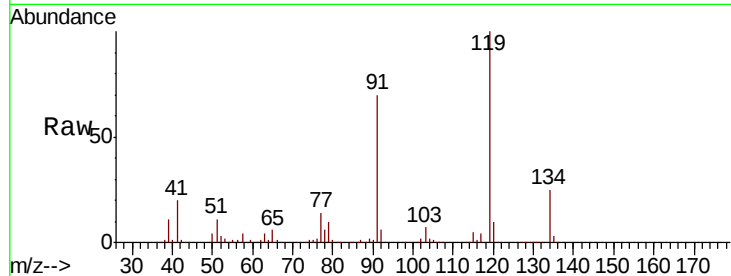




#83
tert-Butylbenzene
Concen: 21.164 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW011933.D
Acq: 15 Aug 2019 17:26

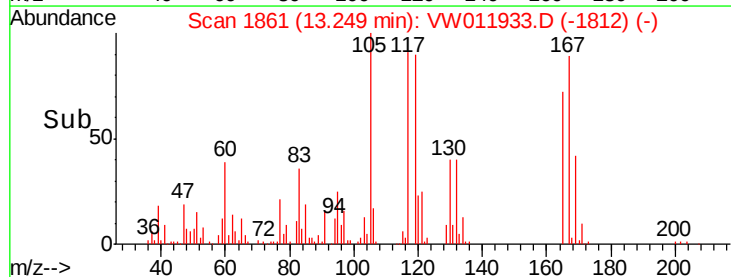
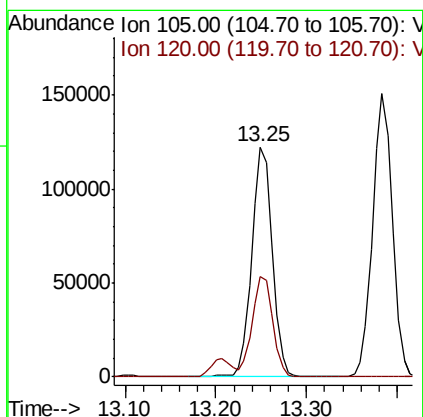
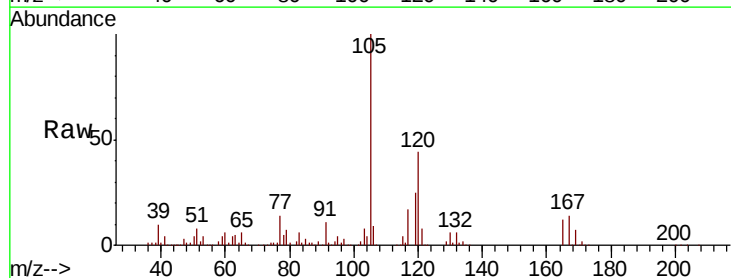
Instrument :
MSVOA_W
ClientSampleId :
VW0816SBSD01

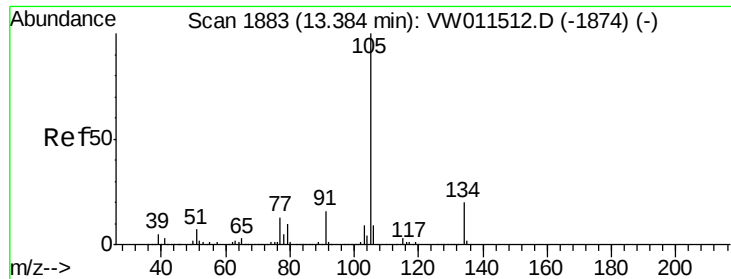
Tgt Ion:119 Resp: 159881
Ion Ratio Lower Upper
119 100
91 68.9 34.5 103.6
134 24.9 12.4 37.4



#84
1,2,4-Trimethylbenzene
Concen: 21.084 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW011933.D
Acq: 15 Aug 2019 17:26

Tgt Ion:105 Resp: 191865
Ion Ratio Lower Upper
105 100
120 43.8 22.1 66.5





#85

sec-Butylbenzene

Concen: 21.114 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW011933.D

Acq: 15 Aug 2019 17:26

Instrument :

MSVOA_W

ClientSampleId :

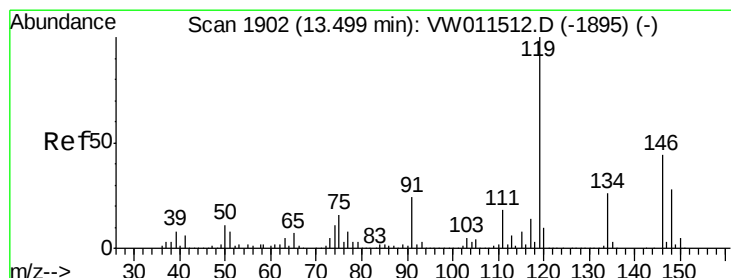
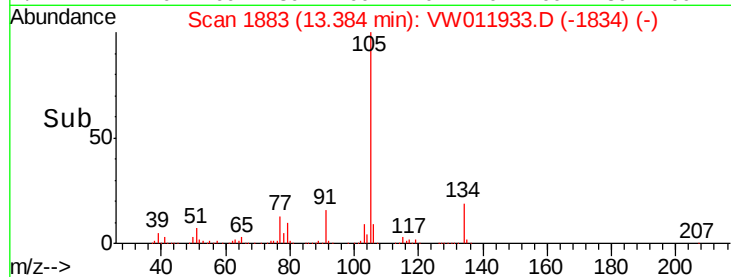
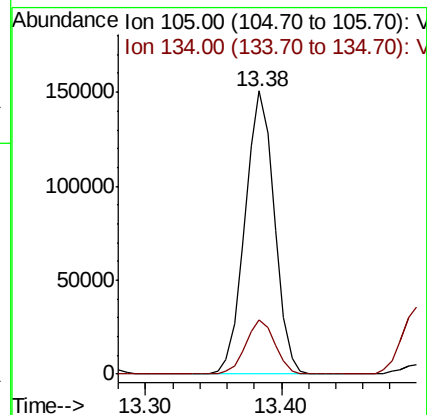
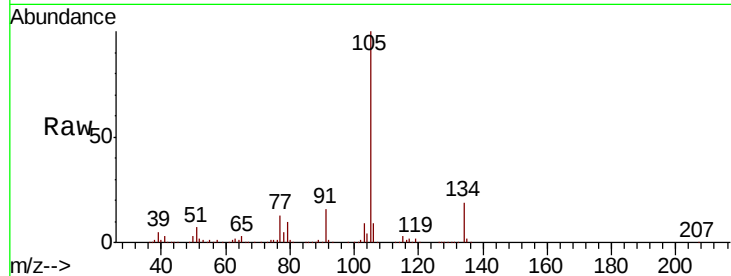
VW0816SBSD01

Tgt Ion:105 Resp: 227590

Ion Ratio Lower Upper

105 100

134 19.3 9.7 29.1



#86

p-Isopropyltoluene

Concen: 21.106 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011933.D

Acq: 15 Aug 2019 17:26

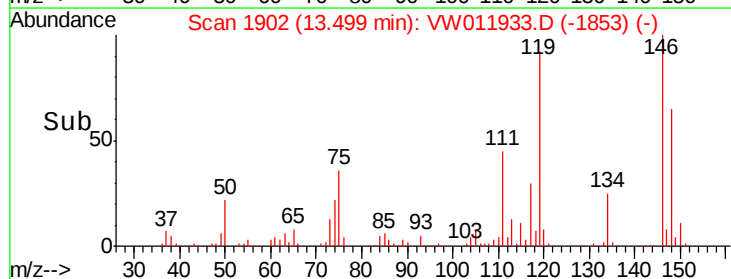
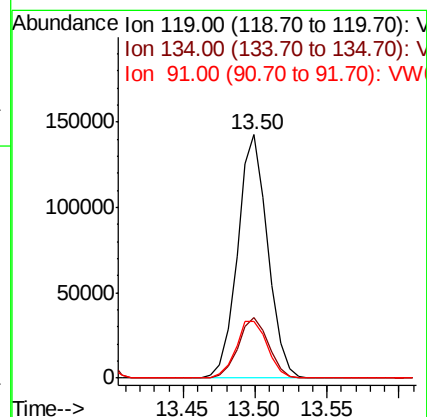
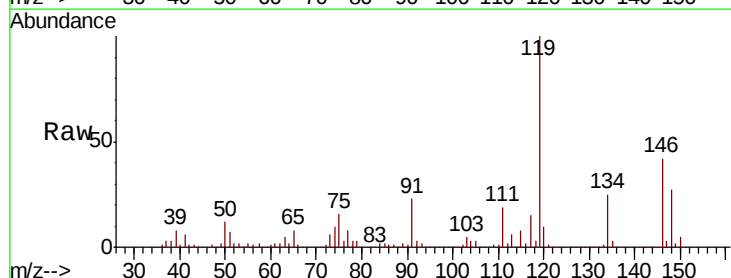
Tgt Ion:119 Resp: 206417

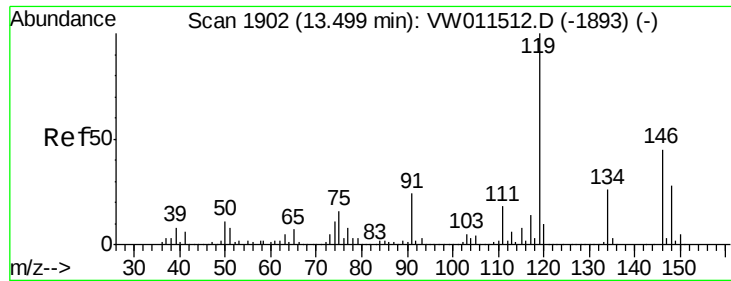
Ion Ratio Lower Upper

119 100

134 25.2 12.8 38.4

91 24.5 12.1 36.3

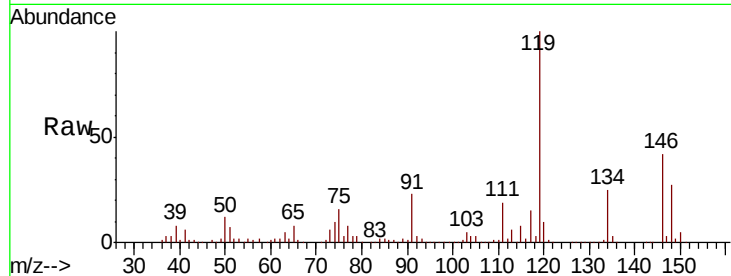




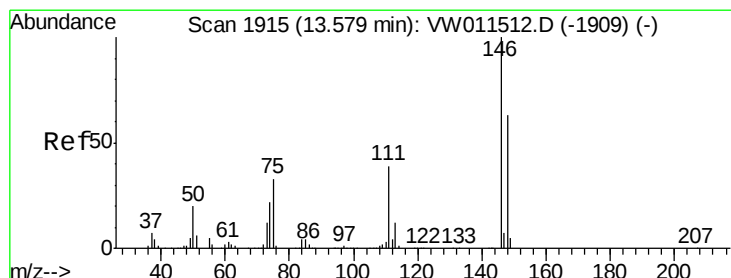
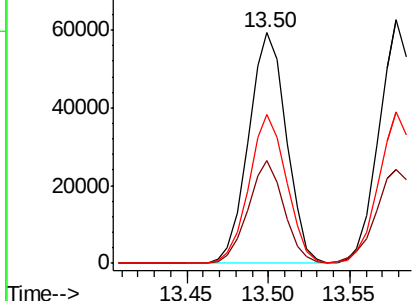
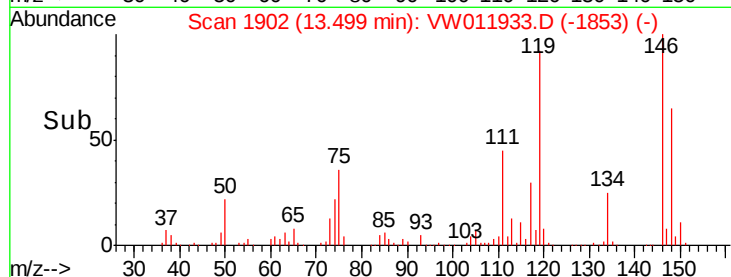
#87
 1,3-Dichlorobenzene
 Concen: 20.542 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011933.D
 Acq: 15 Aug 2019 17:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0816SBSD01

Tgt Ion:146 Resp: 95941
 Ion Ratio Lower Upper
 146 100
 111 42.2 20.5 61.6
 148 63.9 31.8 95.3

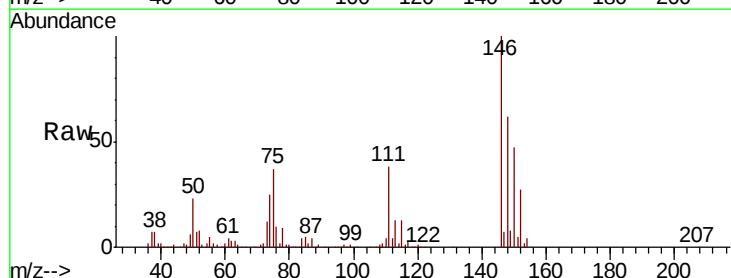


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

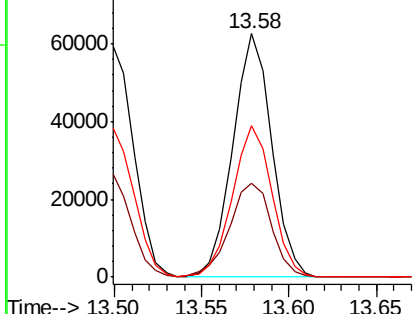
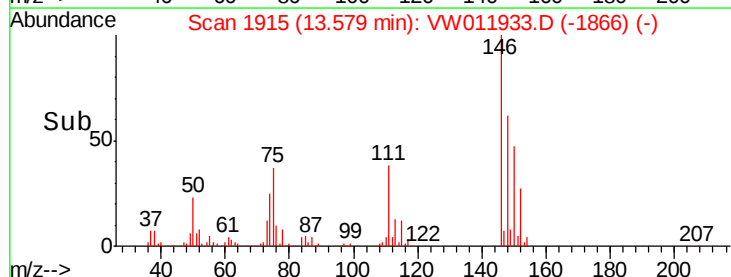


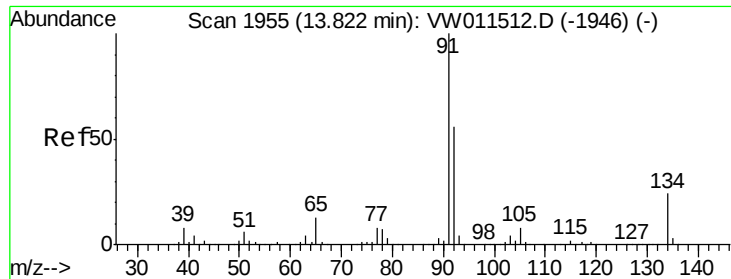
#88
 1,4-Dichlorobenzene
 Concen: 20.795 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011933.D
 Acq: 15 Aug 2019 17:26

Tgt Ion:146 Resp: 96613
 Ion Ratio Lower Upper
 146 100
 111 42.0 20.1 60.2
 148 63.2 31.9 95.9



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





#89

n-Butylbenzene

Concen: 20.785 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW011933.D

Acq: 15 Aug 2019 17:26

Instrument :

MSVOA_W

ClientSampleId :

VW0816SBSD01

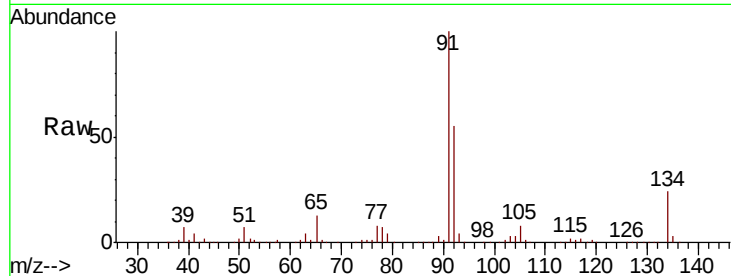
Tgt Ion: 91 Resp: 202858

Ion Ratio Lower Upper

91 100

92 53.8 27.5 82.4

134 24.1 12.2 36.6

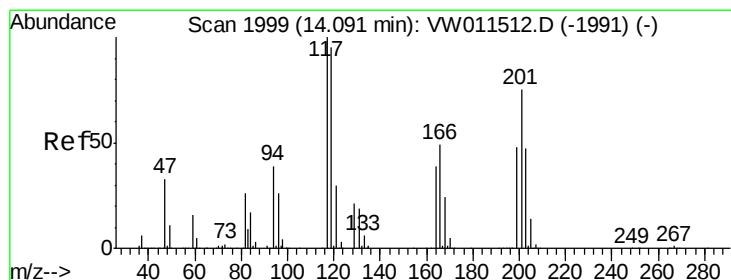
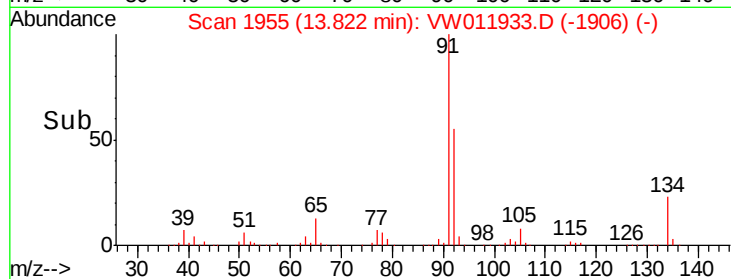
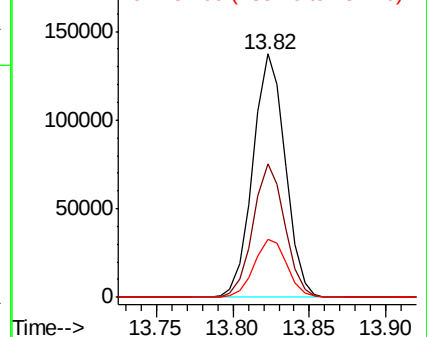


Abundance

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: 20.459 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW011933.D

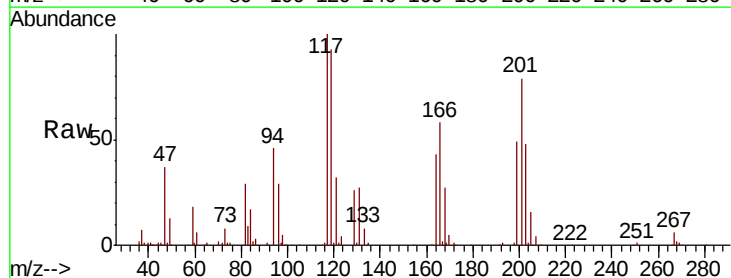
Acq: 15 Aug 2019 17:26

Tgt Ion: 117 Resp: 35382

Ion Ratio Lower Upper

117 100

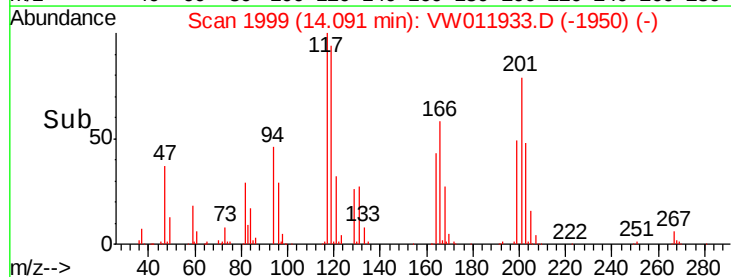
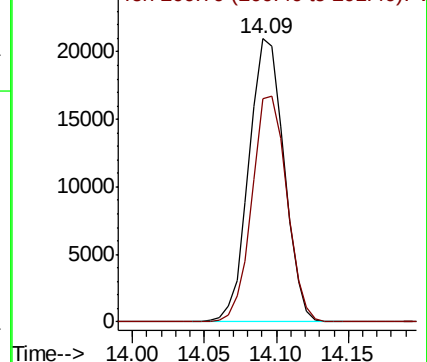
201 79.1 39.4 118.2

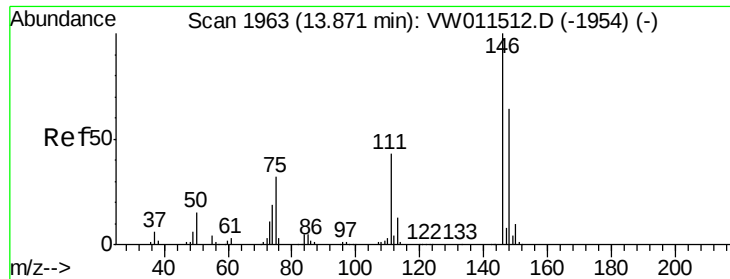


Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

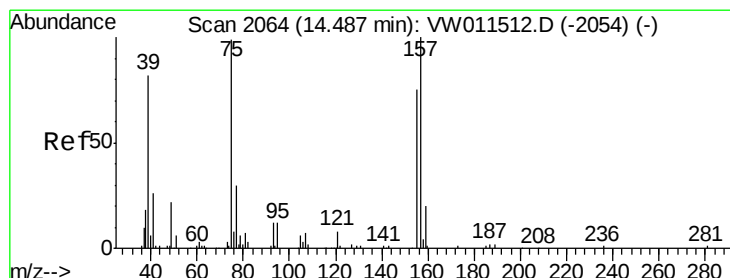
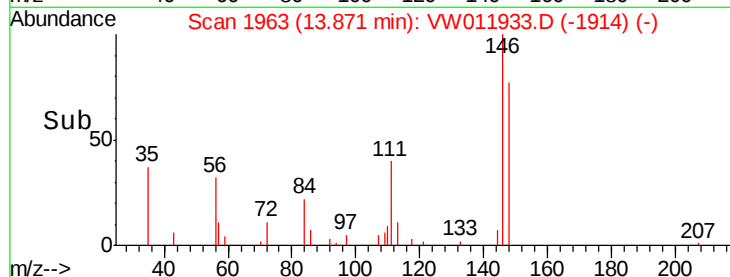
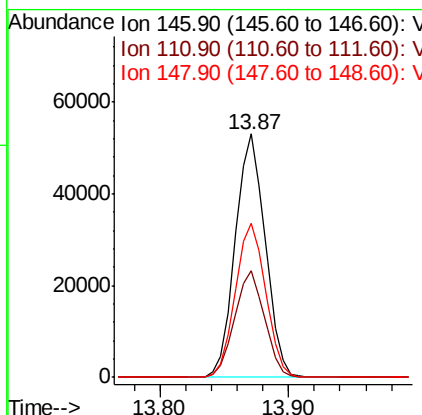
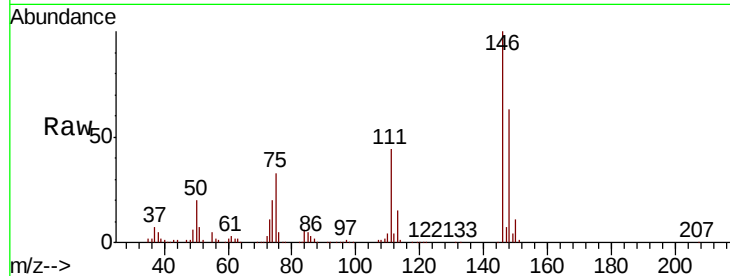




#91
 1,2-Dichlorobenzene
 Concen: 20.723 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011933.D
 Acq: 15 Aug 2019 17:26

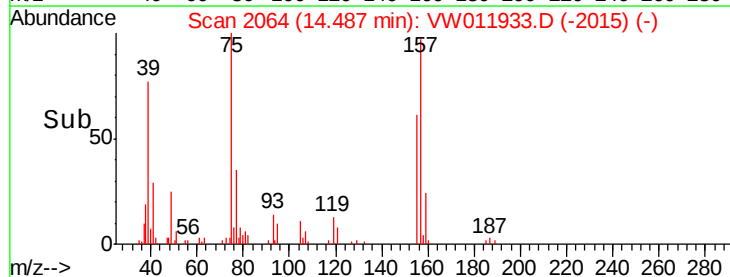
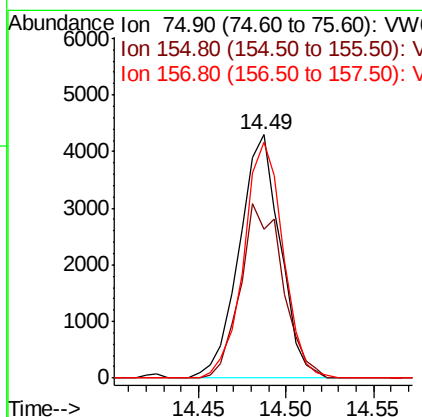
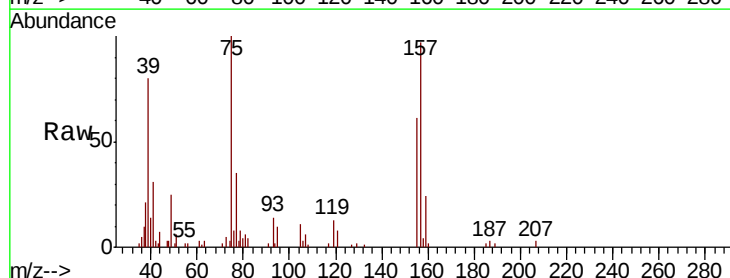
Instrument :
 MSVOA_W
 ClientSampleID :
 VW0816SBS01

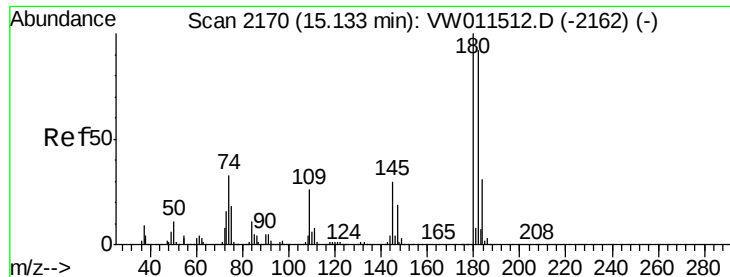
Tgt Ion: 146 Resp: 85604
 Ion Ratio Lower Upper
 146 100
 111 43.8 21.6 65.0
 148 64.1 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.268 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011933.D
 Acq: 15 Aug 2019 17:26

Tgt Ion: 75 Resp: 7006
 Ion Ratio Lower Upper
 75 100
 155 74.1 38.2 114.6
 157 92.7 48.9 146.7

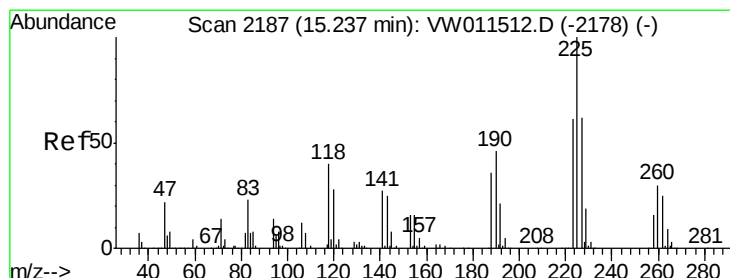
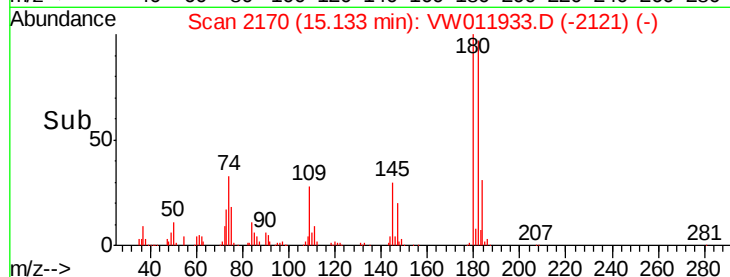
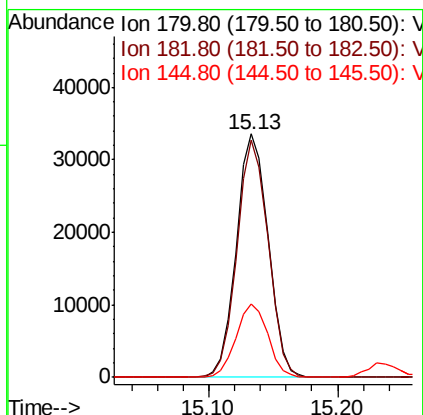
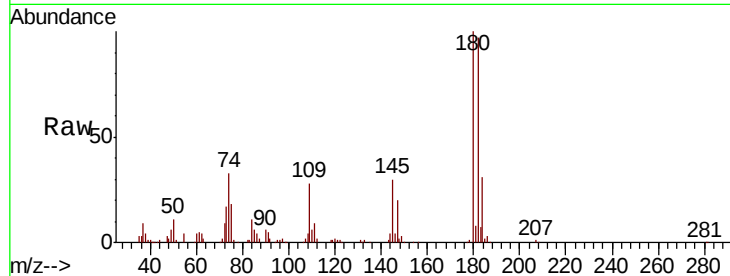




#93
 1,2,4-Trichlorobenzene
 Concen: 19.641 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW011933.D
 Acq: 15 Aug 2019 17:26

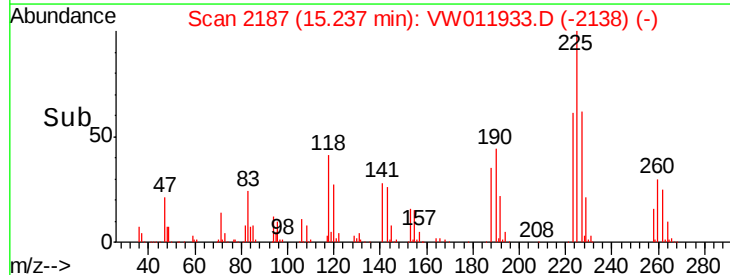
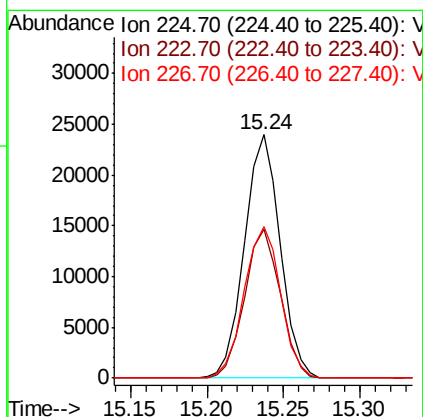
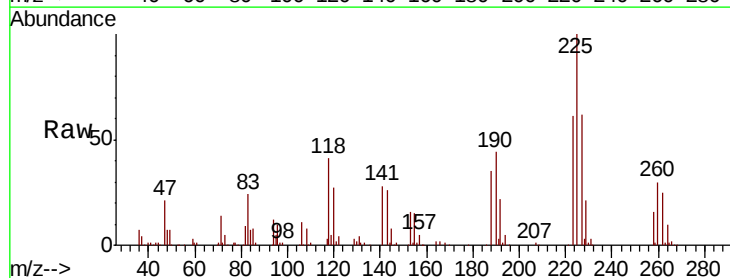
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0816SBS01

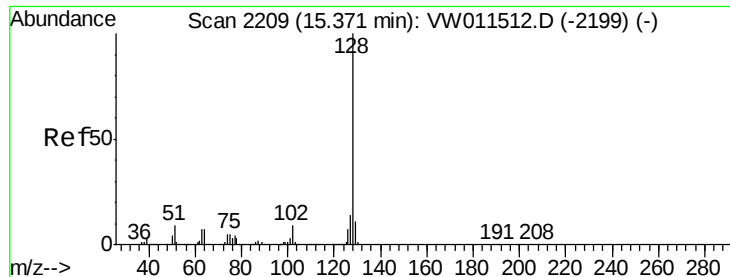
Tgt Ion:180 Resp: 57180
 Ion Ratio Lower Upper
 180 100
 182 95.6 47.4 142.2
 145 30.2 15.4 46.1



#94
 Hexachlorobutadiene
 Concen: 21.443 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW011933.D
 Acq: 15 Aug 2019 17:26

Tgt Ion:225 Resp: 38931
 Ion Ratio Lower Upper
 225 100
 223 61.4 30.8 92.3
 227 63.7 31.6 94.7

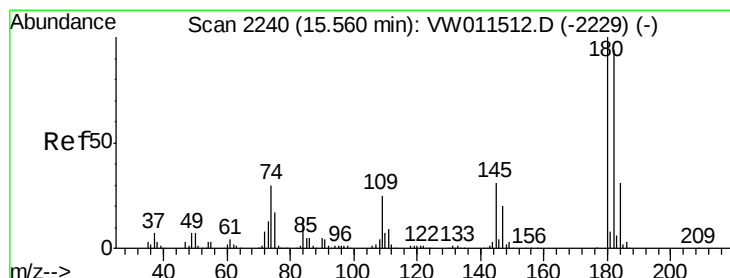
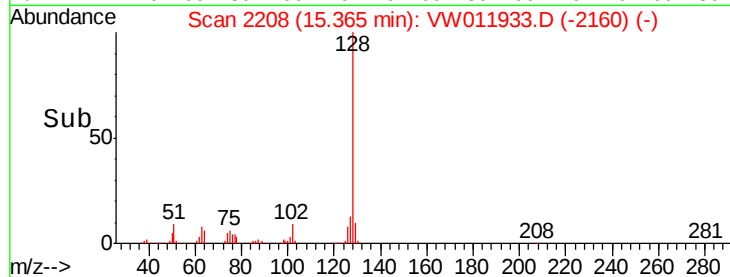
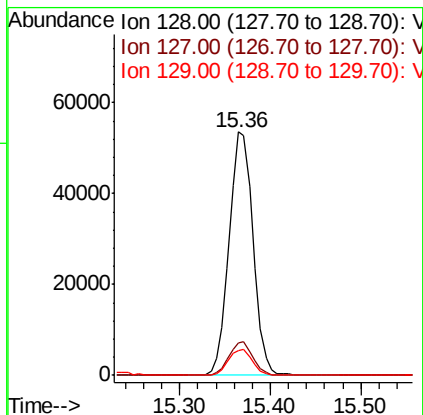
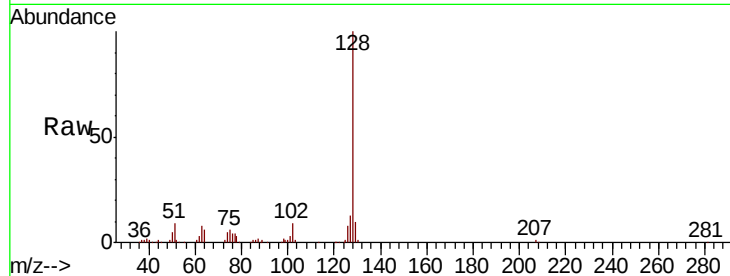




#95
Naphthalene
Concen: 18.642 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW011933.D
Acq: 15 Aug 2019 17:26

Instrument :
MSVOA_W
ClientSampleId :
VW0816SBSD01

Tgt Ion:128 Resp: 98606
Ion Ratio Lower Upper
128 100
127 13.8 10.6 16.0
129 10.7 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 19.782 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW011933.D
Acq: 15 Aug 2019 17:26

Tgt Ion:180 Resp: 50483
Ion Ratio Lower Upper
180 100
182 94.8 47.4 142.2
145 32.3 15.9 47.7

