

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082319\
 Data File : VW012135.D
 Acq On : 23 Aug 2019 16:23
 Operator : SY/VA
 Sample : VW0823SBSD01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0823SBSD01

Quant Time: Aug 26 07:28:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	250854	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	401152	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	345999	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	165782	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	150979	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	
35) Dibromofluoromethane	7.88	113	120186	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	
50) Toluene-d8	10.32	98	495906	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
62) 4-Bromofluorobenzene	12.62	95	171611	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.01	85	25160	16.289 ug/l	96
3) Chloromethane	2.21	50	44882	18.755 ug/l	100
4) Vinyl Chloride	2.36	62	55351	18.898 ug/l	100
5) Bromomethane	2.77	94	27455	18.509 ug/l	96
6) Chloroethane	2.92	64	30662	18.557 ug/l	94
7) Trichlorofluoromethane	3.26	101	26060	17.719 ug/l	94
8) Diethyl Ether	3.68	74	28036	20.083 ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.07	101	48375	19.351 ug/l	98
10) Methyl Iodide	4.27	142	63240	18.696 ug/l	99
11) Tert butyl alcohol	5.17	59	19879	110.773 ug/l	99
12) 1,1-Dichloroethene	4.04	96	47548	18.897 ug/l	96
13) Acrolein	3.89	56	17866	105.761 ug/l	99
14) Allyl chloride	4.67	41	104310	19.391 ug/l	100
15) Acrylonitrile	5.37	53	72386	104.613 ug/l	99
16) Acetone	4.12	43	72594	95.234 ug/l	97
17) Carbon Disulfide	4.39	76	131085	17.238 ug/l	98
18) Methyl Acetate	4.67	43	42025	22.259 ug/l	100
19) Methyl tert-butyl Ether	5.43	73	85146	20.925 ug/l	100
20) Methylene Chloride	4.92	84	56421	19.579 ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	51933	19.247 ug/l	98
22) Diisopropyl ether	6.31	45	206618	20.722 ug/l	98
23) Vinyl Acetate	6.26	43	622340	101.420 ug/l	99
24) 1,1-Dichloroethane	6.21	63	107651	19.829 ug/l	99
25) 2-Butanone	7.17	43	105990	102.323 ug/l	98
26) 2,2-Dichloropropane	7.17	77	61804	20.113 ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	58645	20.343 ug/l	99
28) Bromochloromethane	7.51	49	49644	20.980 ug/l	99
29) Tetrahydrofuran	7.53	42	67128	108.017 ug/l	99
30) Chloroform	7.68	83	100498	20.233 ug/l	97
31) Cyclohexane	7.96	56	99107	18.451 ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	79344	20.193 ug/l	99
36) 1,1-Dichloropropene	8.08	75	82436	19.886 ug/l	100
37) Ethyl Acetate	7.25	43	46840	20.619 ug/l	100
38) Carbon Tetrachloride	8.07	117	71258	19.860 ug/l	100

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 ClientSampleID :
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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	86763	18.630	ug/l	95
40) Benzene	8.32	78	224578	19.840	ug/l	100
41) Methacrylonitrile	7.48	41	26263	19.671	ug/l	95
42) 1,2-Dichloroethane	8.40	62	72165	20.342	ug/l	99
43) Isopropyl Acetate	8.42	43	87550	20.807	ug/l	100
44) Trichloroethene	9.09	130	54469	19.795	ug/l	97
45) 1,2-Dichloropropane	9.37	63	61868	20.309	ug/l	98
46) Dibromomethane	9.46	93	27640	20.392	ug/l	99
47) Bromodichloromethane	9.65	83	72506	20.099	ug/l	94
48) Methyl methacrylate	9.43	41	40933	20.439	ug/l	96
49) 1,4-Dioxane	9.45	88	9345	450.359	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	225860	105.532	ug/l	100
52) Toluene	10.39	92	135420	19.914	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	73273	19.941	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	89190	20.102	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	39819	20.763	ug/l	99
56) Ethyl methacrylate	10.65	69	58086	20.811	ug/l	99
57) 1,3-Dichloropropane	10.93	76	74626	20.592	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	146386	102.191	ug/l	100
59) 2-Hexanone	10.97	43	158420	104.613	ug/l	99
60) Dibromochloromethane	11.13	129	43762	20.487	ug/l	99
61) 1,2-Dibromoethane	11.23	107	36758	20.574	ug/l	100
64) Tetrachloroethene	10.86	164	43982	19.607	ug/l	97
65) Chlorobenzene	11.66	112	136115	19.979	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	47358	19.925	ug/l	97
67) Ethyl Benzene	11.73	91	261504	19.925	ug/l	98
68) m/p-Xylenes	11.84	106	190581	40.314	ug/l	99
69) o-Xylene	12.16	106	90334	20.646	ug/l	97
70) Styrene	12.18	104	154232	20.365	ug/l	100
71) Bromoform	12.35	173	23466	19.816	ug/l #	99
73) Isopropylbenzene	12.46	105	251053	20.210	ug/l	99
74) N-amyl acetate	12.27	43	77772	20.722	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	47852	21.012	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	63556	39.363	ug/l #	100
77) Bromobenzene	12.75	156	55037	20.479	ug/l	99
78) n-propylbenzene	12.80	91	306862	20.235	ug/l	99
79) 2-Chlorotoluene	12.89	91	173960	20.205	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	211049	20.332	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	15241	20.696	ug/l	98
82) 4-Chlorotoluene	12.99	91	181684	20.153	ug/l	100
83) tert-Butylbenzene	13.21	119	178101	20.255	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	210956	20.232	ug/l	99
85) sec-Butylbenzene	13.38	105	254055	20.168	ug/l	99
86) p-Isopropyltoluene	13.50	119	227308	20.205	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	107295	20.412	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	106693	20.442	ug/l	99
89) n-Butylbenzene	13.82	91	223709	19.996	ug/l	100
90) Hexachloroethane	14.09	117	38916	19.717	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	95617	20.735	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7984	20.796	ug/l	95

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Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	65939	20.692	ug/l	99
94) Hexachlorobutadiene	15.24	225	42622	20.256	ug/l	98
95) Naphthalene	15.36	128	116226	21.301	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	57133	20.549	ug/l	98

(#) = 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: VW012135.D

Acq: 23 Aug 2019 16:23

Instrument :

MSVOA_W

ClientSampleId :

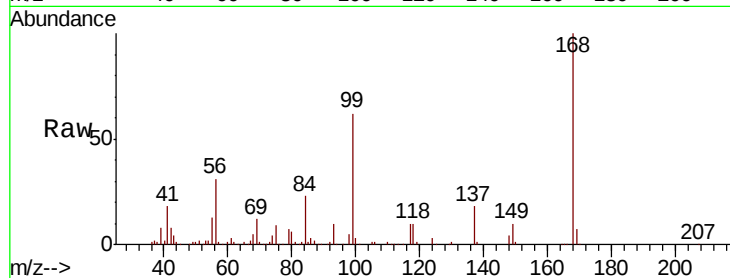
VW0823SBSD01

Tgt Ion:168 Resp: 250854

Ion Ratio Lower Upper

168 100

99 61.8 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

60000

40000

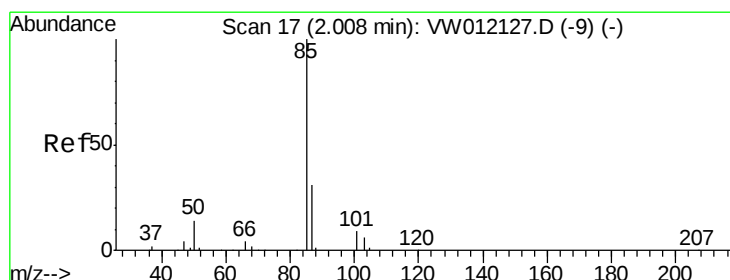
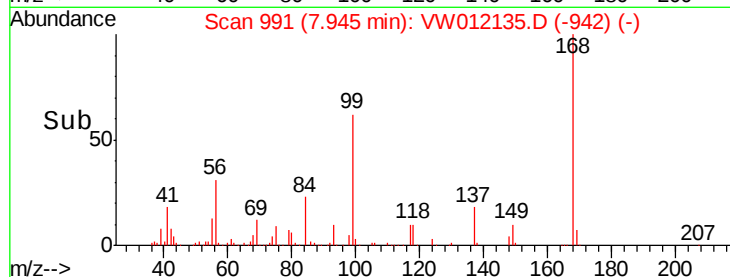
20000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 16.289 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012135.D

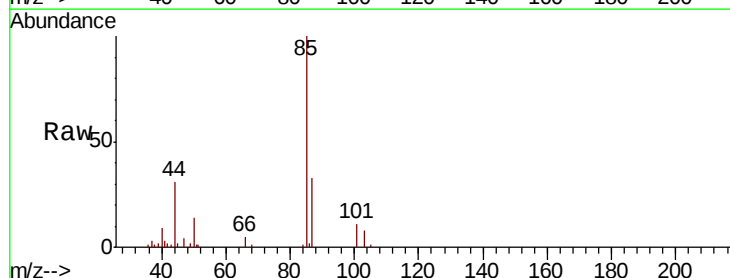
Acq: 23 Aug 2019 16:23

Tgt Ion: 85 Resp: 25160

Ion Ratio Lower Upper

85 100

87 33.4 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

10000

8000

6000

4000

2000

0

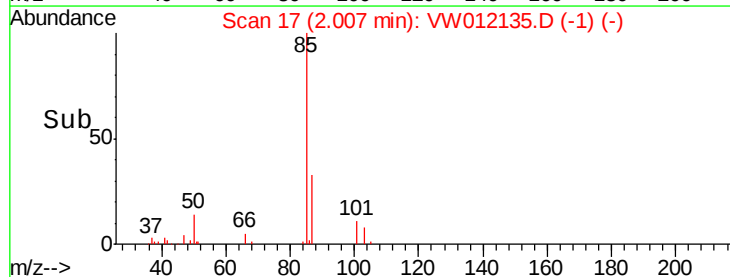
1.95

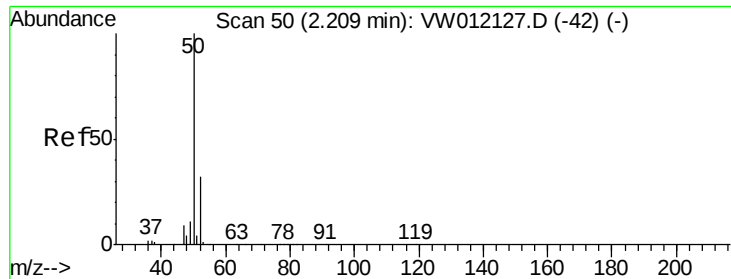
2.00

2.05

2.10

Time-->

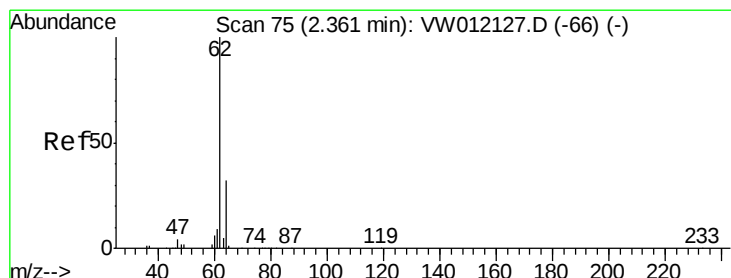
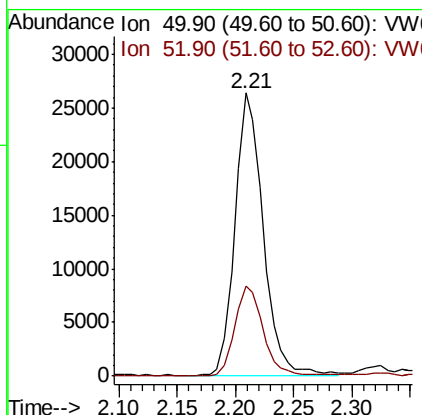
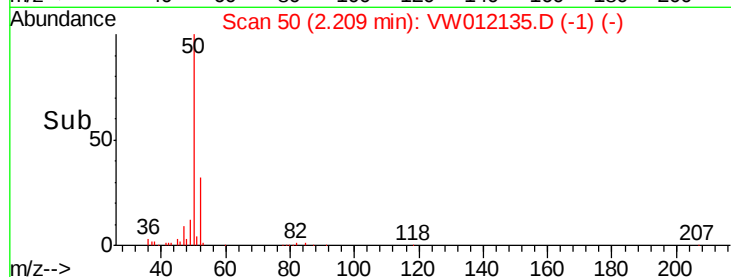
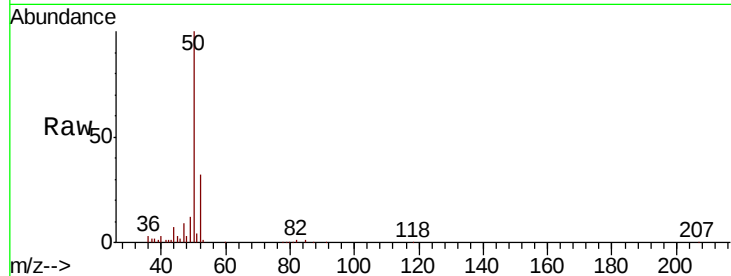




#3
Chloromethane
Concen: 18.755 ug/l
RT: 2.21 min Scan# 50
Delta R.T. -0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

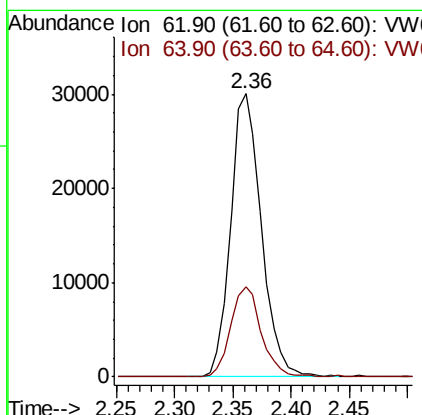
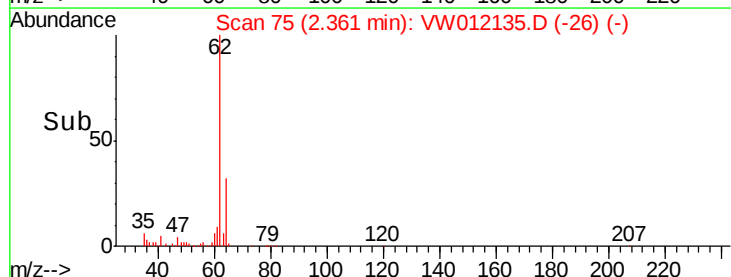
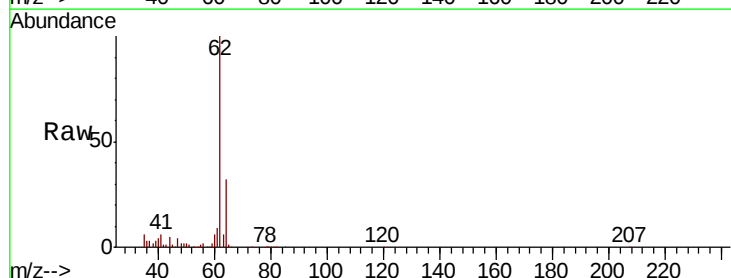
Instrument :
MSVOA_W
ClientSampleId :
VW0823SBSD01

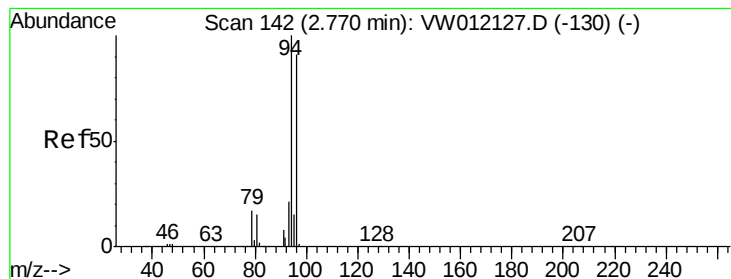
Tgt Ion: 50 Resp: 44882
Ion Ratio Lower Upper
50 100
52 31.8 25.5 38.3



#4
Vinyl Chloride
Concen: 18.898 ug/l
RT: 2.36 min Scan# 75
Delta R.T. -0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

Tgt Ion: 62 Resp: 55351
Ion Ratio Lower Upper
62 100
64 31.5 25.3 37.9





#5

Bromomethane

Concen: 18.509 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW012135.D

Acq: 23 Aug 2019 16:23

Instrument :

MSVOA_W

ClientSampleId :

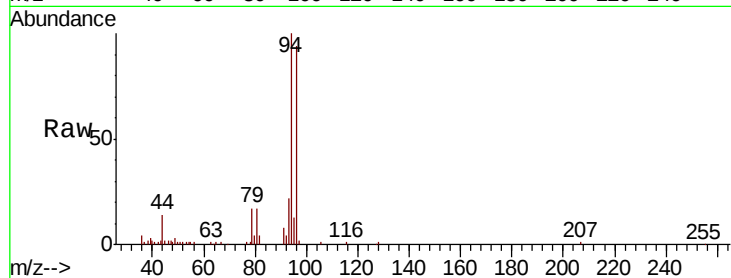
VW0823SBSD01

Tgt Ion: 94 Resp: 27455

Ion Ratio Lower Upper

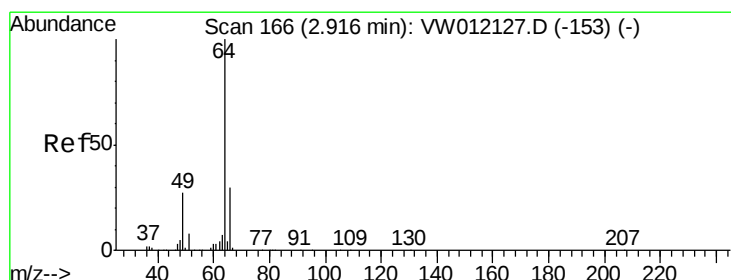
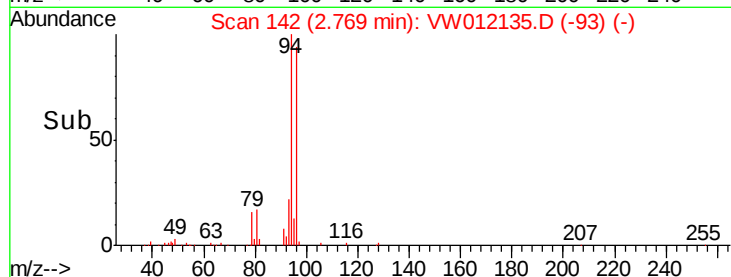
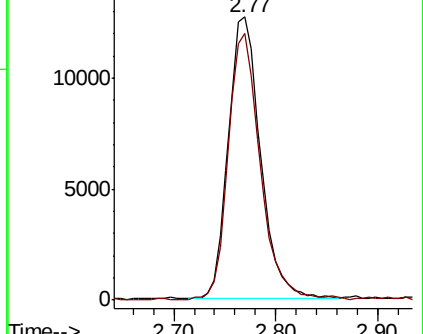
94 100

96 95.0 72.9 109.3



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 18.557 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW012135.D

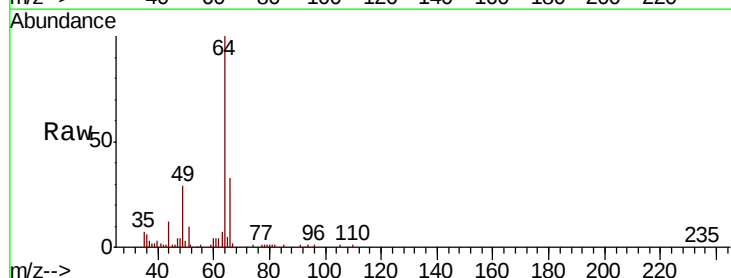
Acq: 23 Aug 2019 16:23

Tgt Ion: 64 Resp: 30662

Ion Ratio Lower Upper

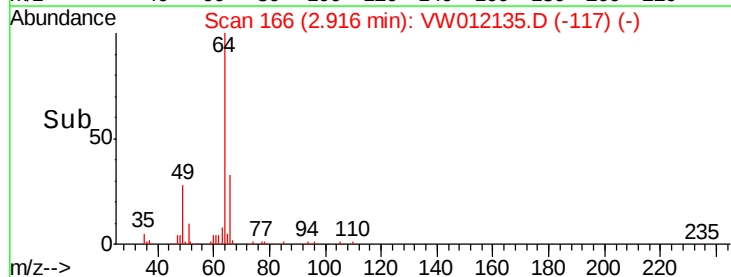
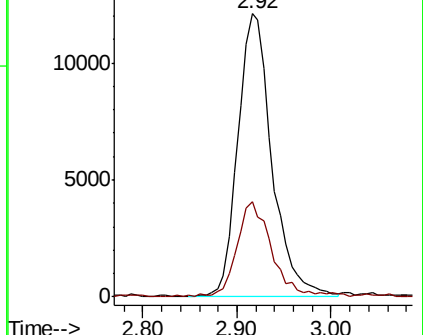
64 100

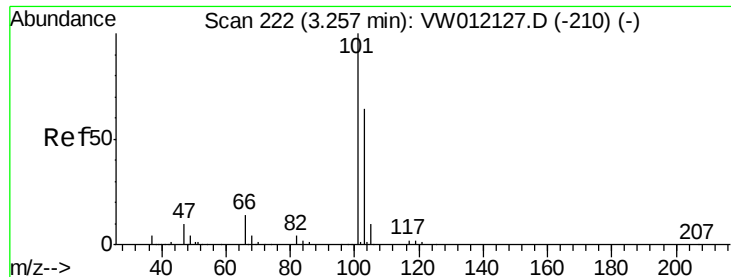
66 32.9 23.8 35.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



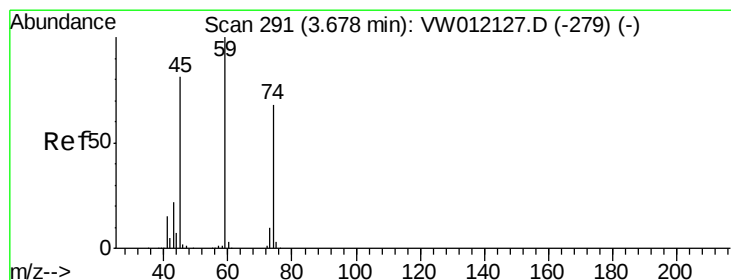
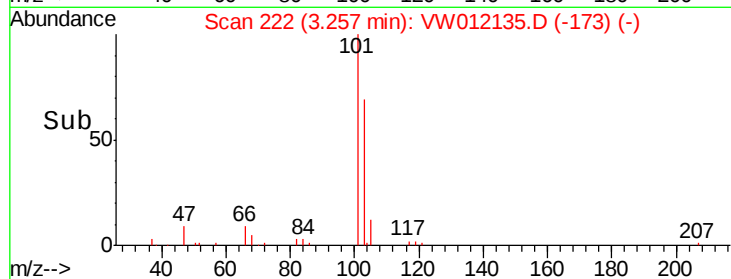
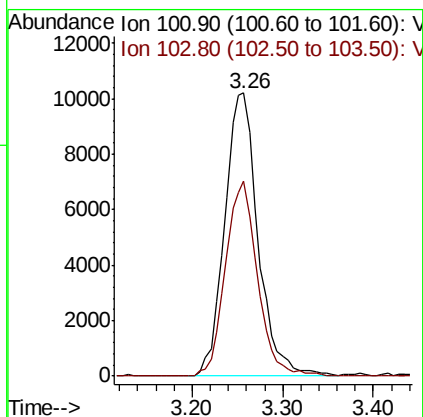
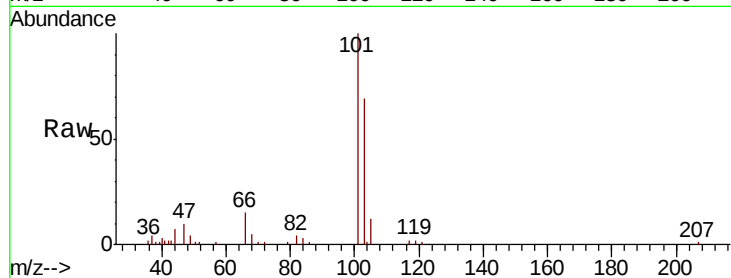


#7

Trichlorofluoromethane
 Concen: 17.719 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW012135.D
 Acq: 23 Aug 2019 16:23

Instrument :
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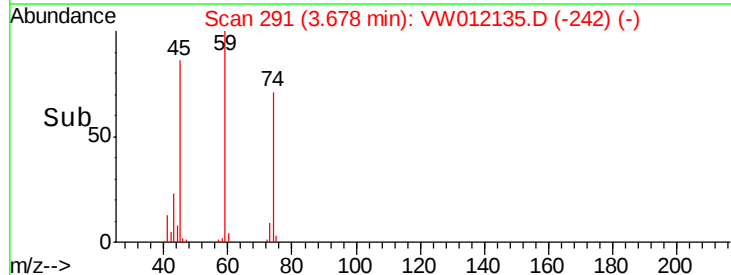
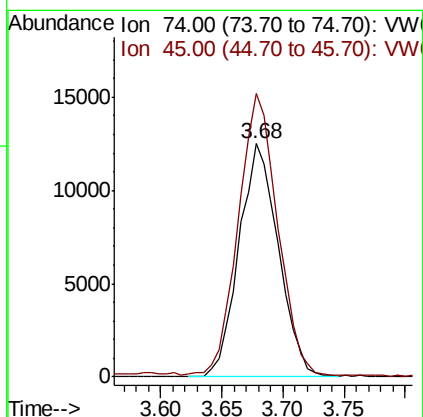
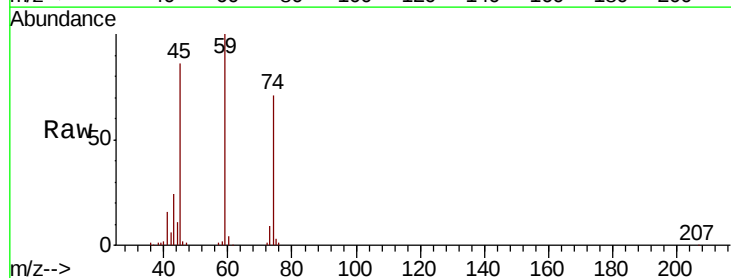
Tgt Ion:101 Resp: 26060
 Ion Ratio Lower Upper
 101 100
 103 68.8 51.2 76.8

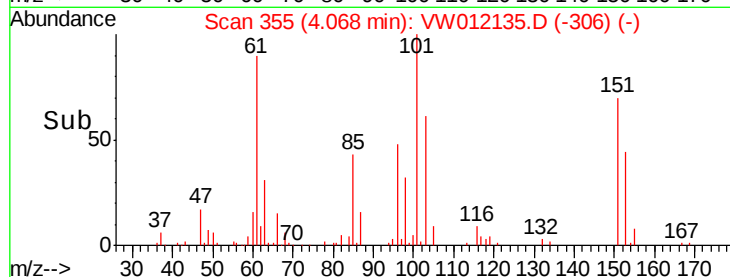
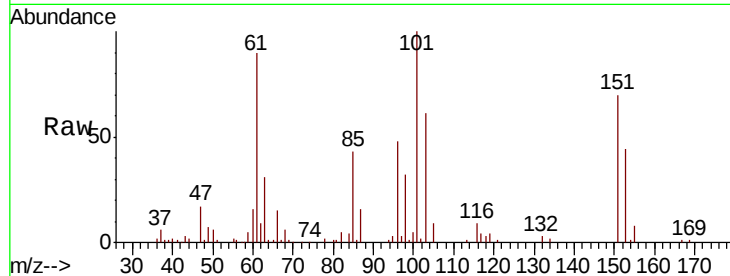
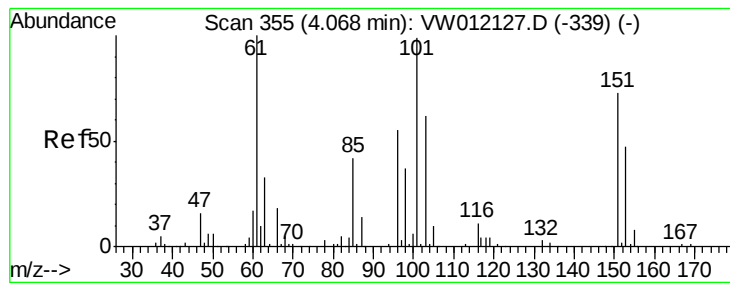


#8

Diethyl Ether
 Concen: 20.083 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012135.D
 Acq: 23 Aug 2019 16:23

Tgt Ion: 74 Resp: 28036
 Ion Ratio Lower Upper
 74 100
 45 120.2 59.2 177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.351 ug/l

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW012135.D

Acq: 23 Aug 2019 16:23

Instrument :

MSVOA_W

ClientSampleId :

VW0823SBSD01

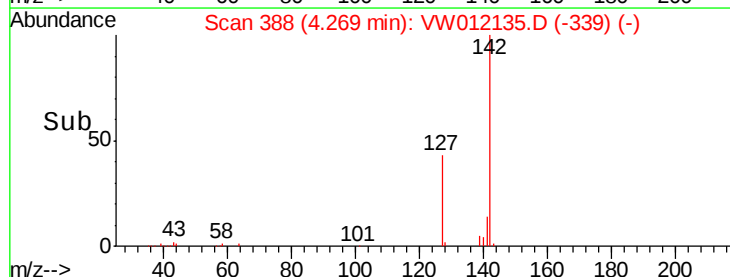
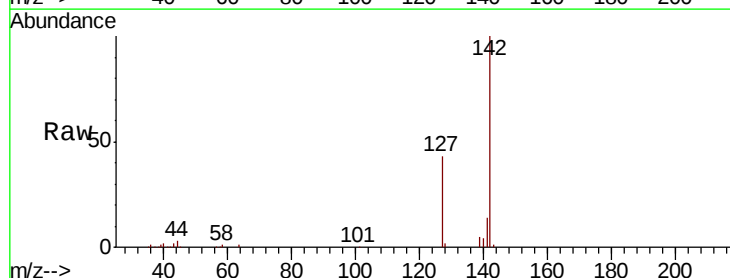
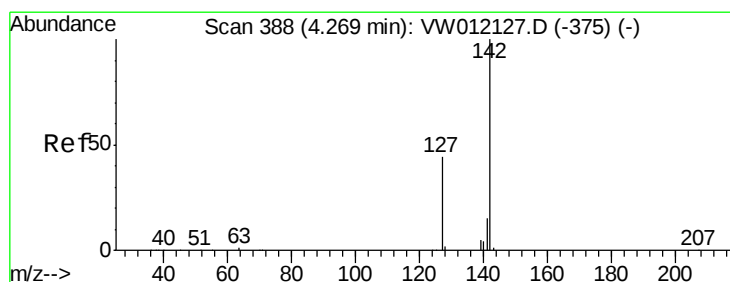
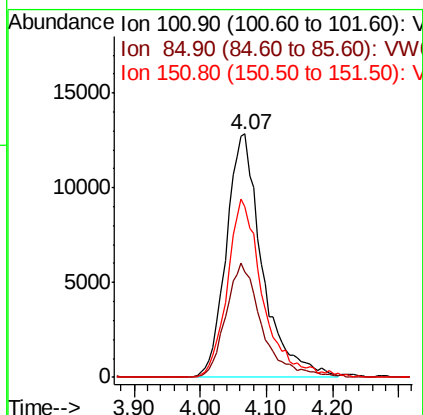
Tgt Ion:101 Resp: 48375

Ion Ratio Lower Upper

101 100

85 47.0 35.8 53.6

151 71.7 58.6 87.8



#10

Methyl Iodide

Concen: 18.696 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW012135.D

Acq: 23 Aug 2019 16:23

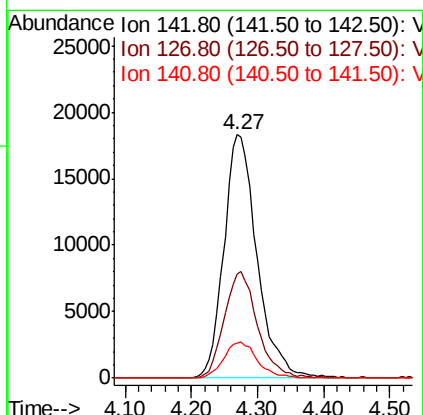
Tgt Ion:142 Resp: 63240

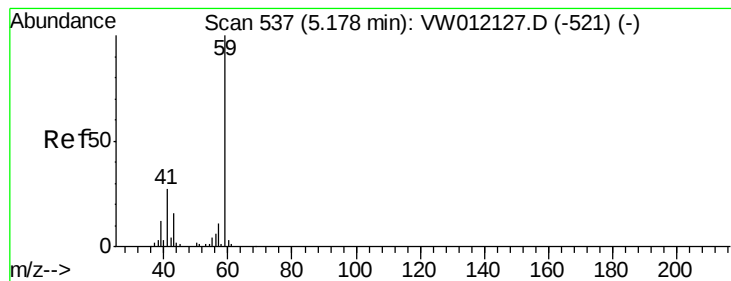
Ion Ratio Lower Upper

142 100

127 43.7 35.5 53.3

141 14.9 11.8 17.8





#11

Tert butyl alcohol

Concen: 110.773 ug/l

RT: 5.17 min Scan# 536

Delta R.T. -0.01 min

Lab File: VW012135.D

Acq: 23 Aug 2019 16:23

Instrument :

MSVOA_W

ClientSampleId :

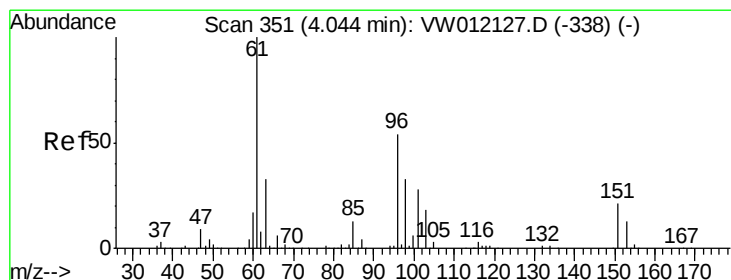
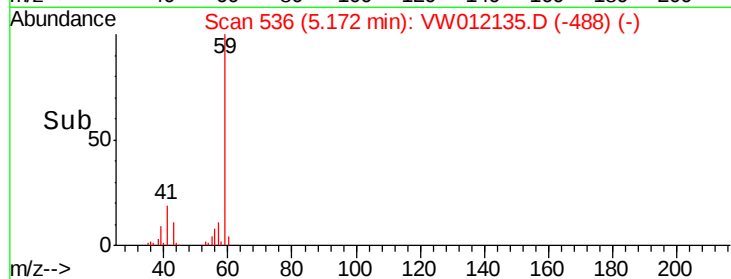
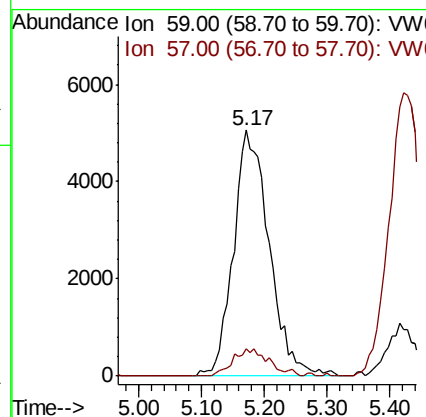
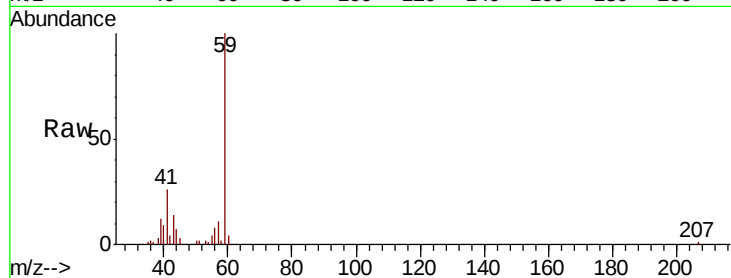
VW0823SBSD01

Tgt Ion: 59 Resp: 19879

Ion Ratio Lower Upper

59 100

57 10.7 9.0 13.4



#12

1,1-Dichloroethene

Concen: 18.897 ug/l

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW012135.D

Acq: 23 Aug 2019 16:23

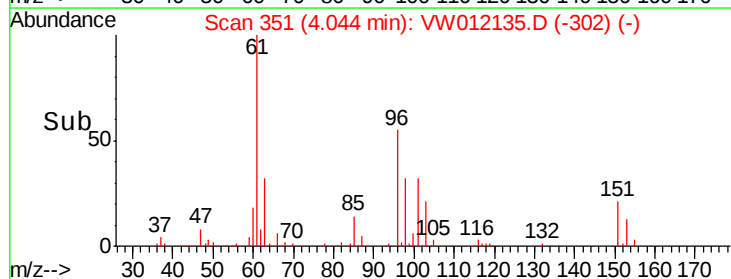
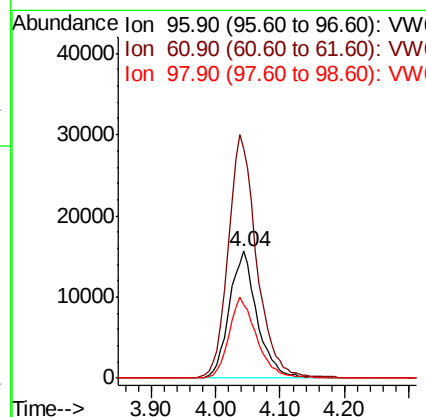
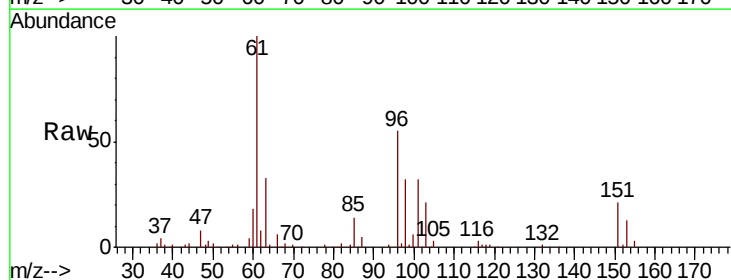
Tgt Ion: 96 Resp: 47548

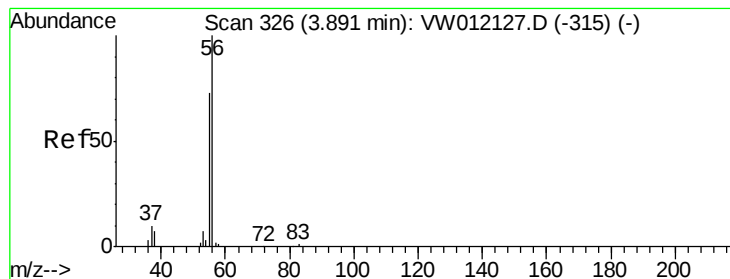
Ion Ratio Lower Upper

96 100

61 181.3 149.1 223.7

98 57.7 49.4 74.2





#13

Acrolein

Concen: 105.761 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW012135.D

Acq: 23 Aug 2019 16:23

Instrument :

MSVOA_W

ClientSampleId :

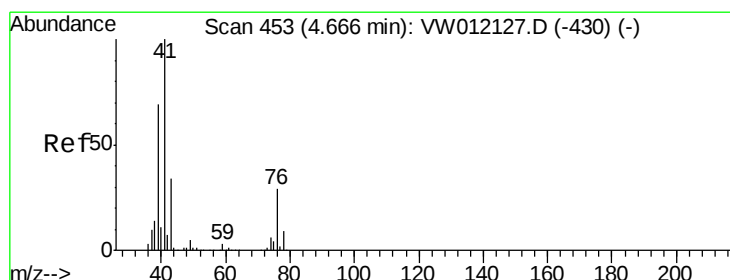
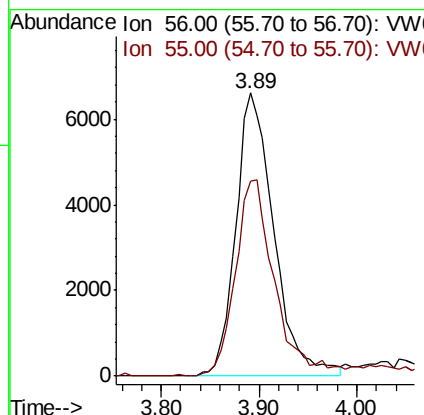
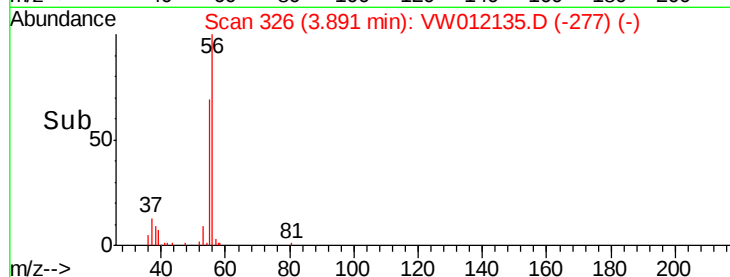
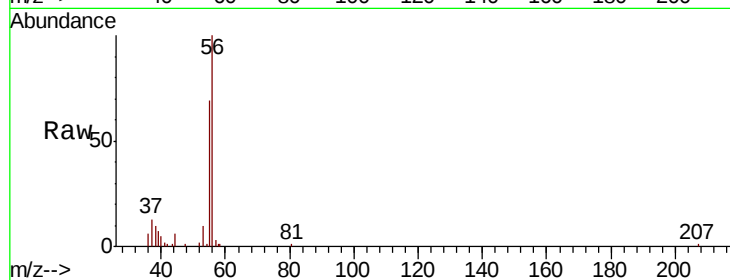
VW0823SBSD01

Tgt Ion: 56 Resp: 17866

Ion Ratio Lower Upper

56 100

55 69.2 55.8 83.8



#14

Allyl chloride

Concen: 19.391 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012135.D

Acq: 23 Aug 2019 16:23

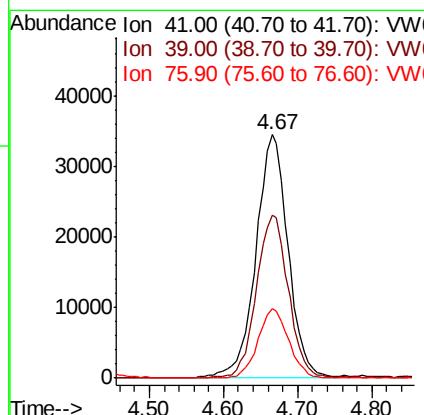
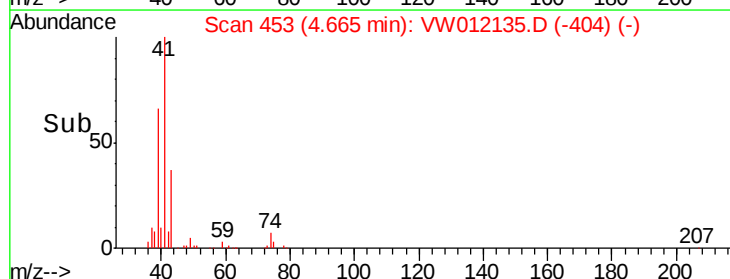
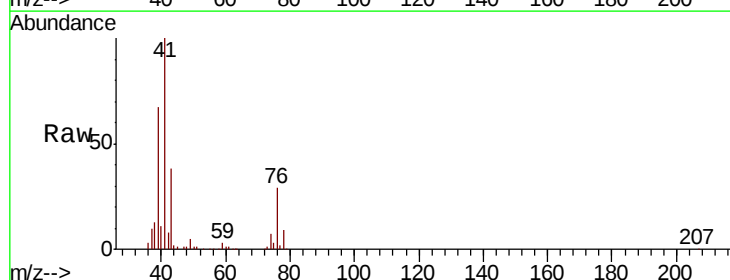
Tgt Ion: 41 Resp: 104310

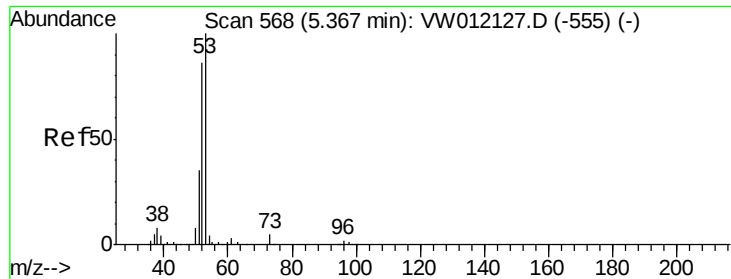
Ion Ratio Lower Upper

41 100

39 66.8 53.4 80.2

76 27.3 22.1 33.1





#15

Acrylonitrile

Concen: 104.613 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012135.D

Acq: 23 Aug 2019 16:23

Instrument :

MSVOA_W

ClientSampleId :

VW0823SBSD01

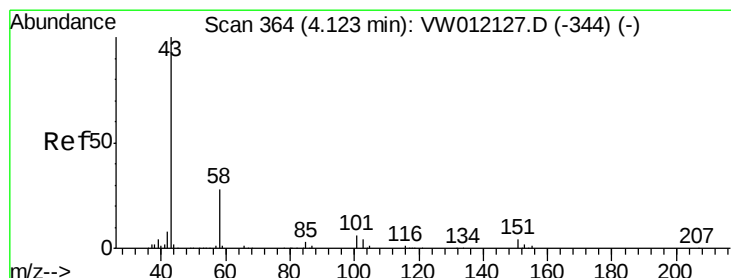
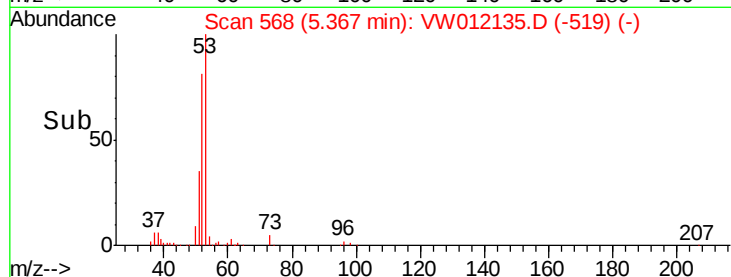
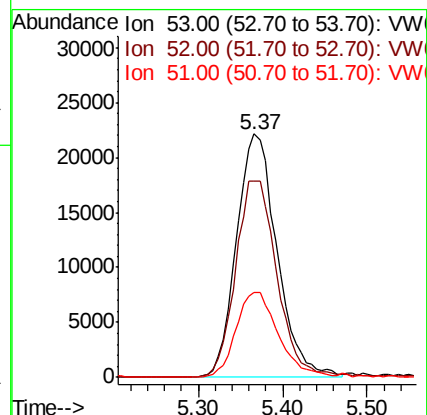
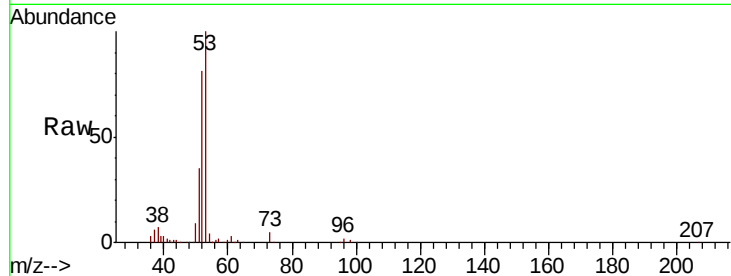
Tgt Ion: 53 Resp: 72386

Ion Ratio Lower Upper

53 100

52 82.8 66.7 100.1

51 36.5 30.1 45.1



#16

Acetone

Concen: 95.234 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW012135.D

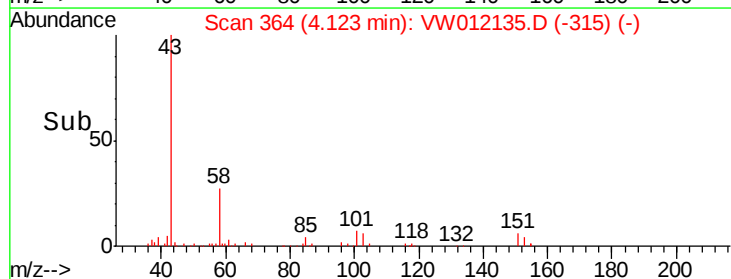
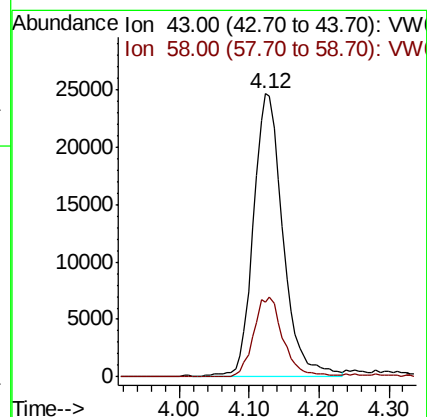
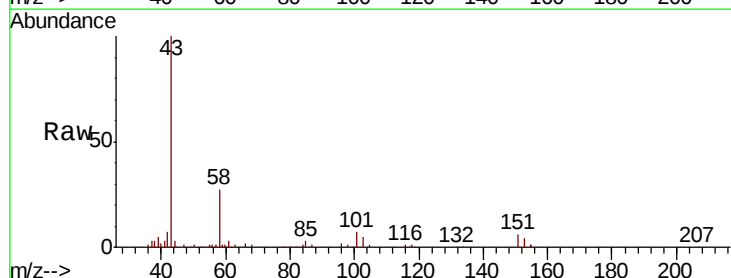
Acq: 23 Aug 2019 16:23

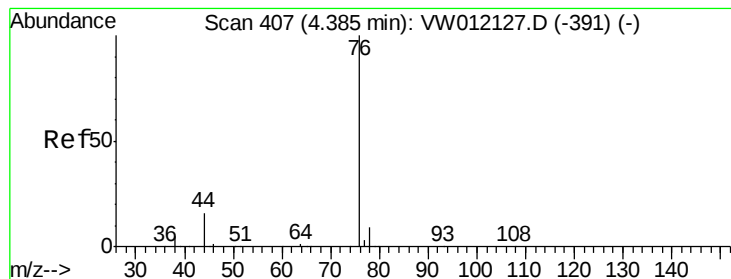
Tgt Ion: 43 Resp: 72594

Ion Ratio Lower Upper

43 100

58 26.6 22.4 33.6





#17

Carbon Disulfide

Concen: 17.238 ug/l

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW012135.D

Acq: 23 Aug 2019 16:23

Instrument :

MSVOA_W

ClientSampleId :

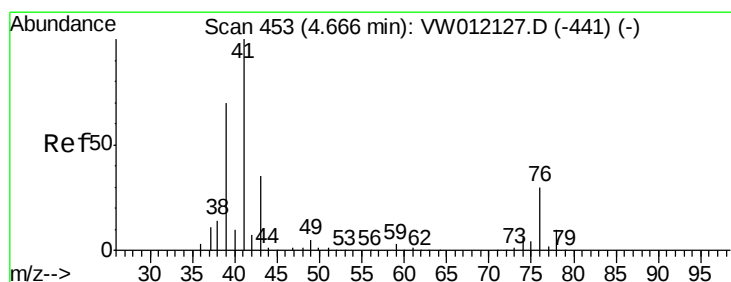
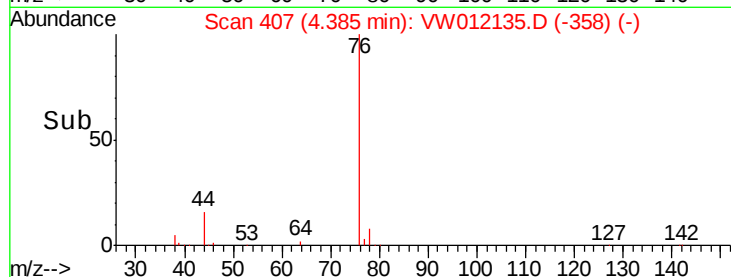
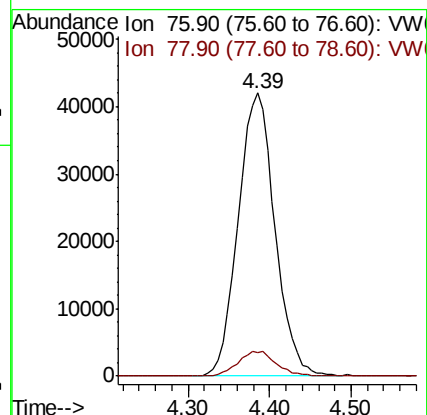
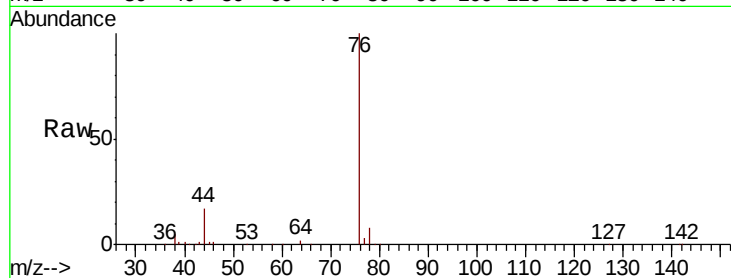
VW0823SBSD01

Tgt Ion: 76 Resp: 131085

Ion Ratio Lower Upper

76 100

78 8.5 7.3 10.9



#18

Methyl Acetate

Concen: 22.259 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW012135.D

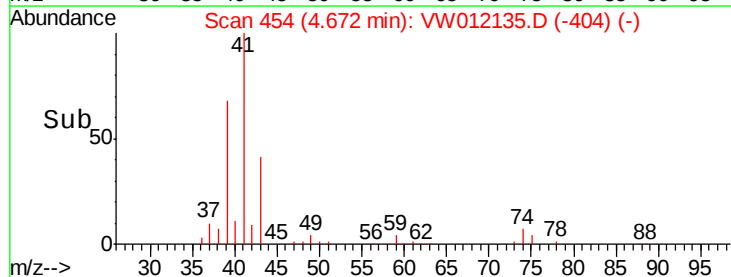
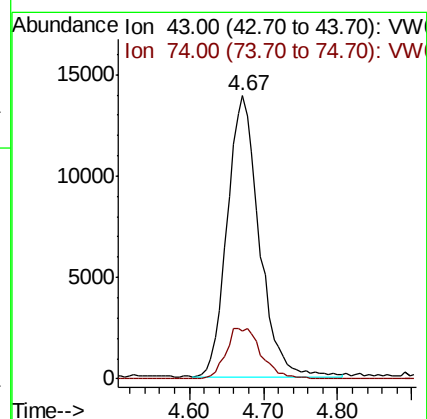
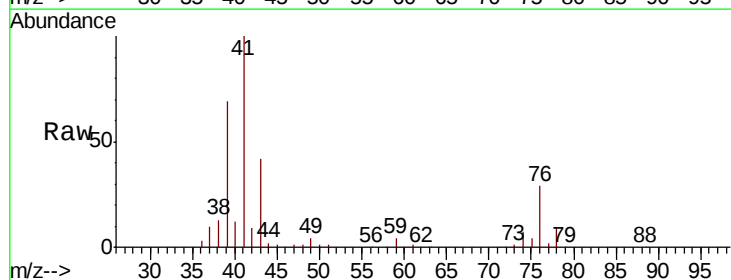
Acq: 23 Aug 2019 16:23

Tgt Ion: 43 Resp: 42025

Ion Ratio Lower Upper

43 100

74 19.6 15.7 23.5

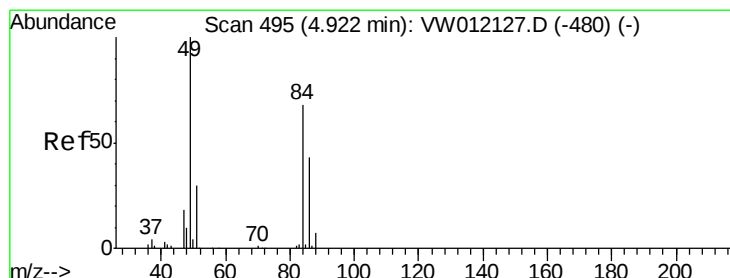
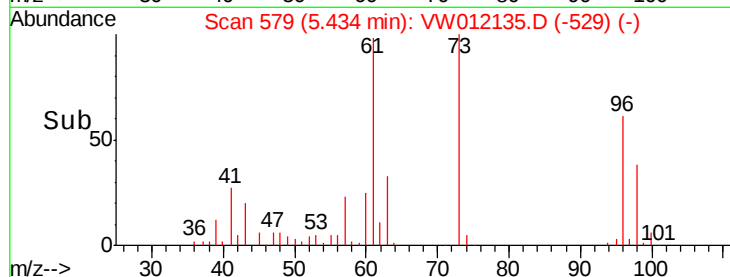
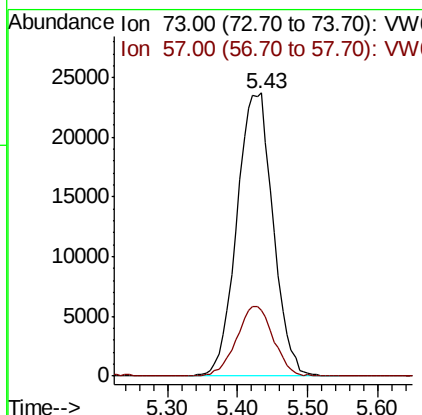
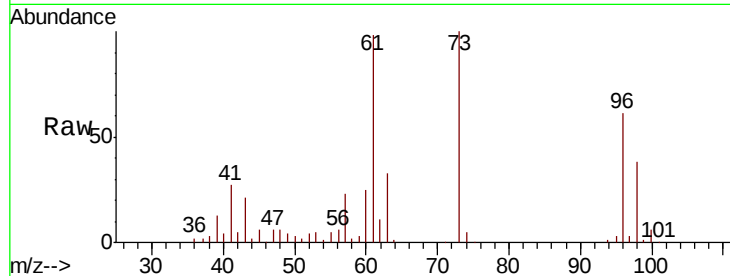




#19
Methyl tert-butyl Ether
Concen: 20.925 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

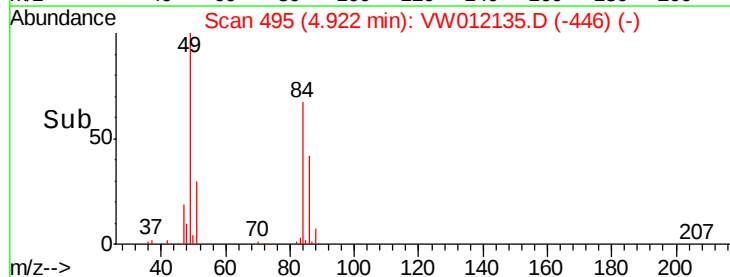
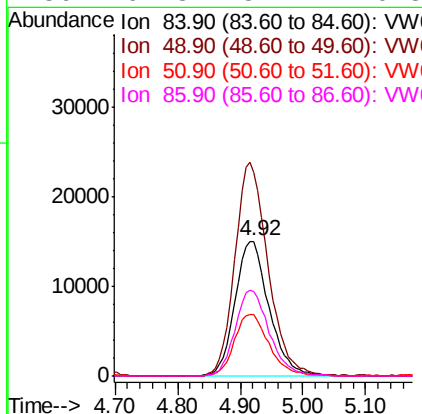
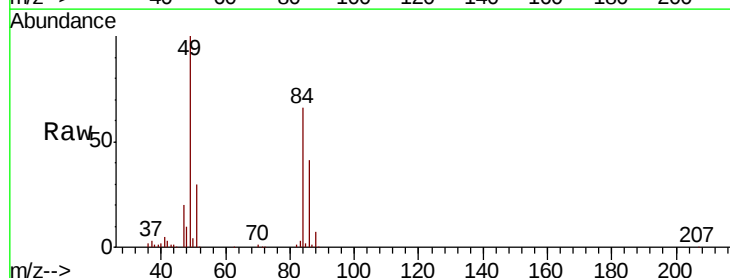
Instrument :
MSVOA_W
ClientSampleId :
VW0823SBSD01

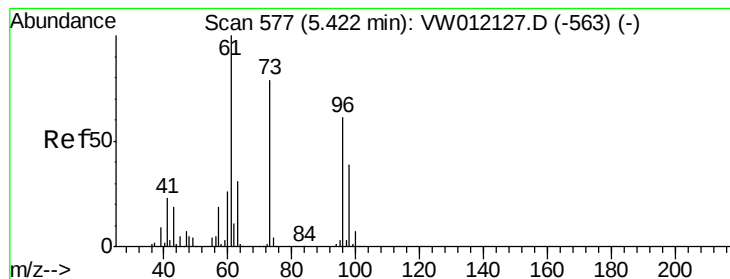
Tgt Ion: 73 Resp: 85146
Ion Ratio Lower Upper
73 100
57 23.5 18.9 28.3



#20
Methylene Chloride
Concen: 19.579 ug/l
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

Tgt Ion: 84 Resp: 56421
Ion Ratio Lower Upper
84 100
49 150.9 117.8 176.8
51 45.6 35.6 53.4
86 62.3 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 19.247 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW012135.D

Acq: 23 Aug 2019 16:23

Instrument :

MSVOA_W

ClientSampleId :

VW0823SBS01

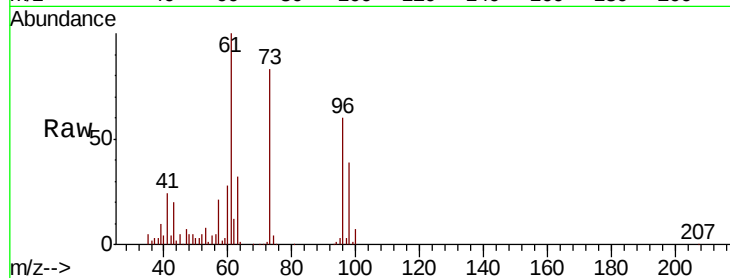
Tgt Ion: 96 Resp: 51933

Ion Ratio Lower Upper

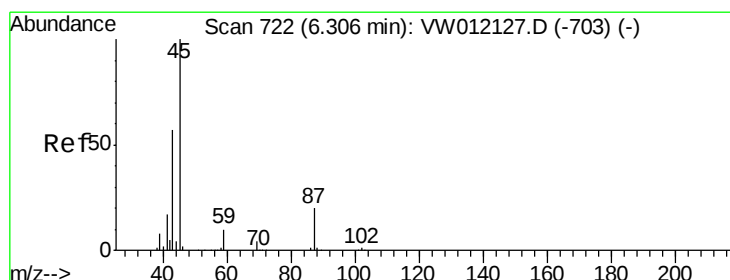
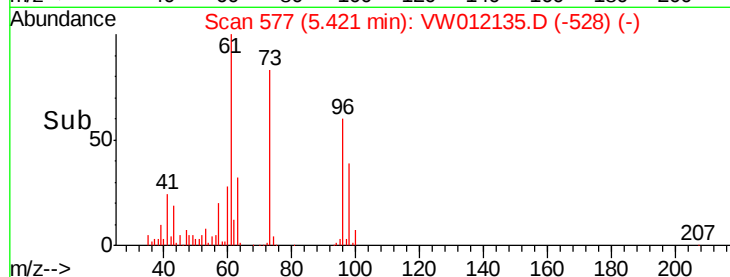
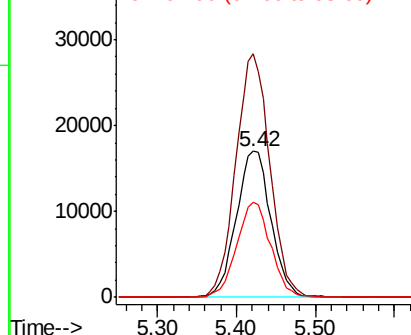
96 100

61 166.3 131.4 197.0

98 65.6 51.4 77.0



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



#22

Diisopropyl ether

Concen: 20.722 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW012135.D

Acq: 23 Aug 2019 16:23

Tgt Ion: 45 Resp: 206618

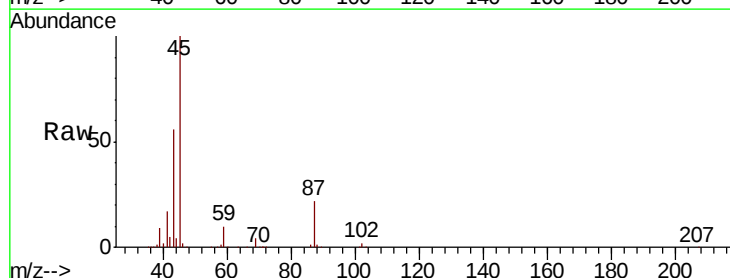
Ion Ratio Lower Upper

45 100

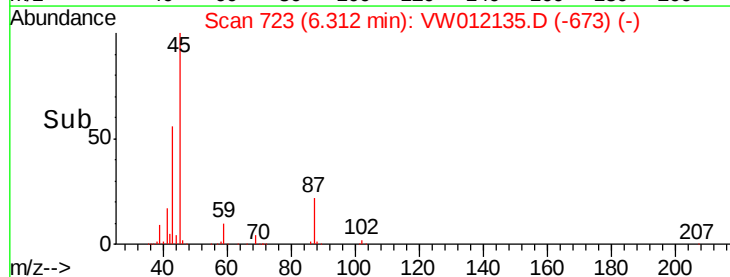
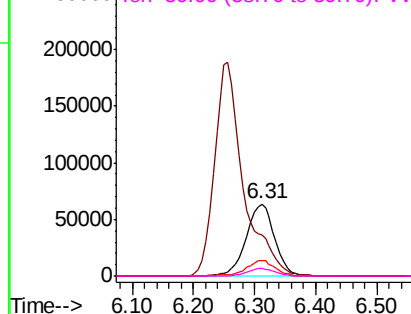
43 55.7 45.5 68.3

87 21.5 16.1 24.1

59 9.9 8.2 12.2



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 101.420 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW012135.D

Acq: 23 Aug 2019 16:23

Instrument :

MSVOA_W

ClientSampleId :

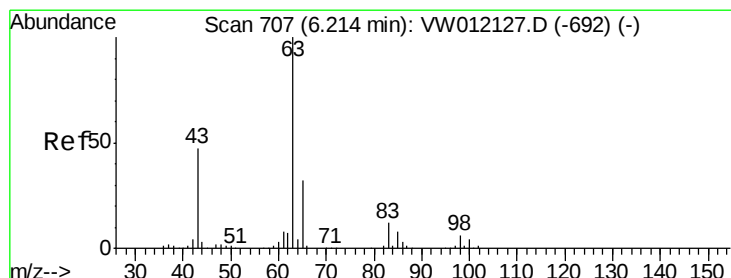
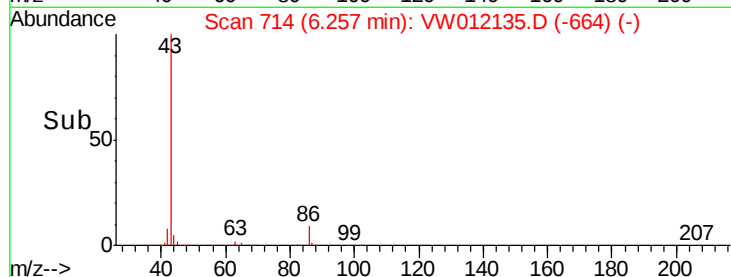
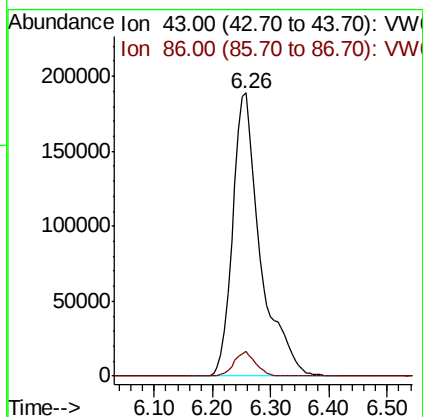
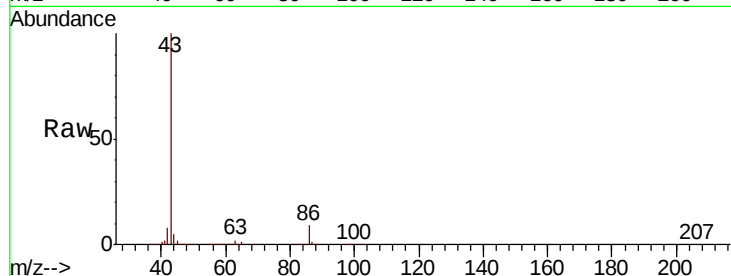
VW0823SBSD01

Tgt Ion: 43 Resp: 622340

Ion Ratio Lower Upper

43 100

86 8.6 6.5 9.7



#24

1,1-Dichloroethane

Concen: 19.829 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012135.D

Acq: 23 Aug 2019 16:23

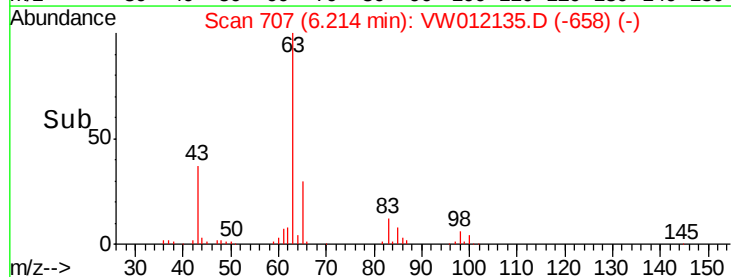
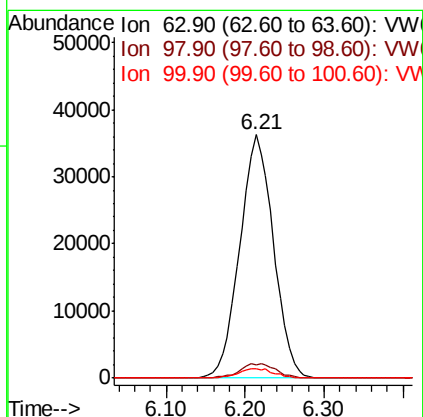
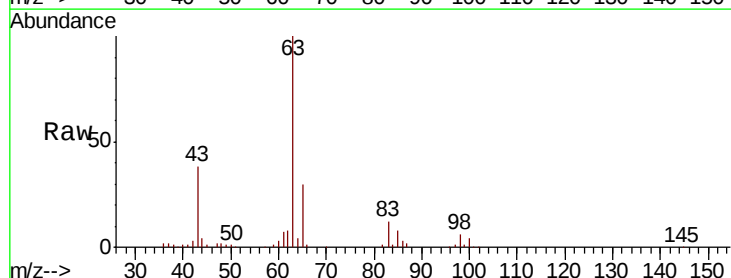
Tgt Ion: 63 Resp: 107651

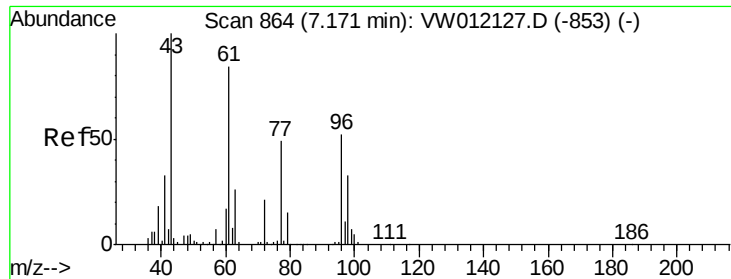
Ion Ratio Lower Upper

63 100

98 5.7 3.0 9.2

100 3.7 2.0 6.0





#25

2-Butanone

Concen: 102.323 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW012135.D

Acq: 23 Aug 2019 16:23

Instrument :

MSVOA_W

ClientSampled :

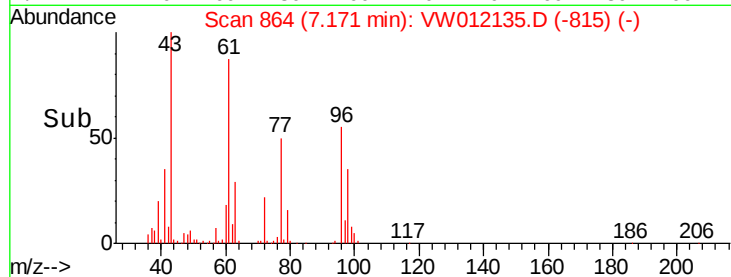
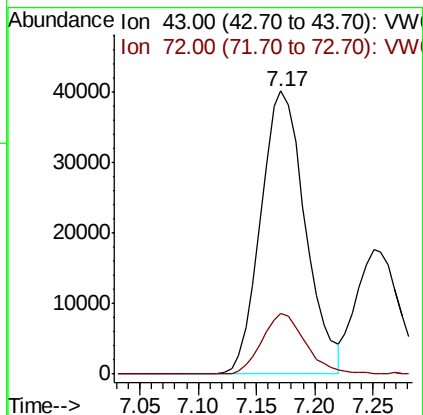
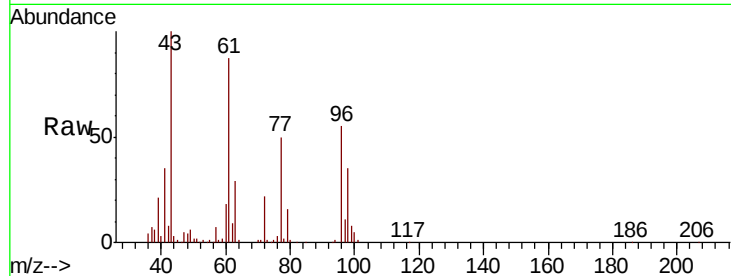
VW0823SBSD01

Tgt Ion: 43 Resp: 105990

Ion Ratio Lower Upper

43 100

72 21.7 16.6 24.8



#26

2,2-Dichloropropane

Concen: 20.113 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012135.D

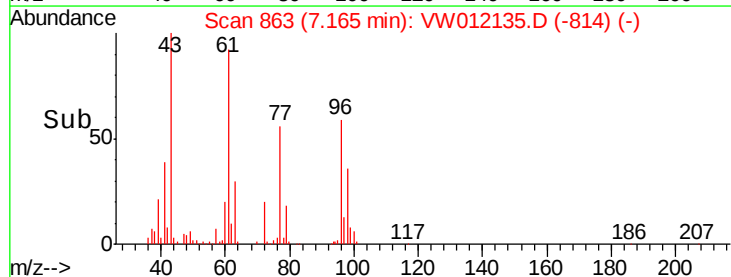
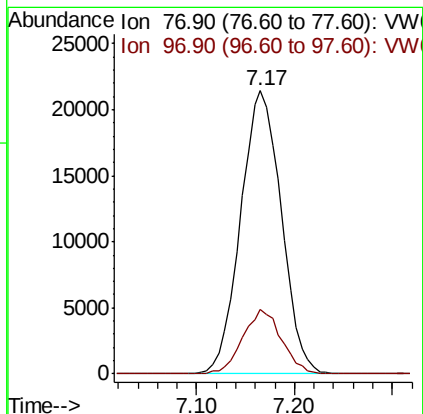
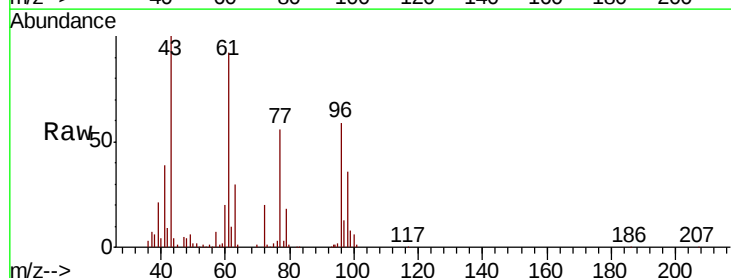
Acq: 23 Aug 2019 16:23

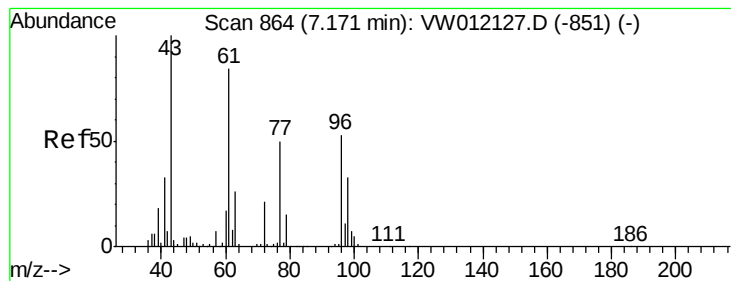
Tgt Ion: 77 Resp: 61804

Ion Ratio Lower Upper

77 100

97 21.7 11.1 33.1



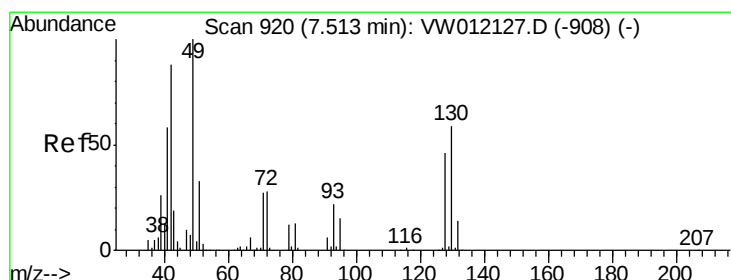
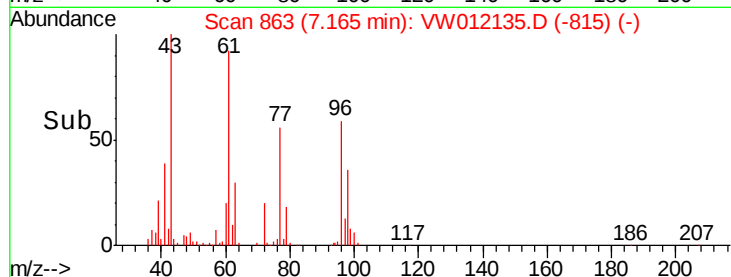
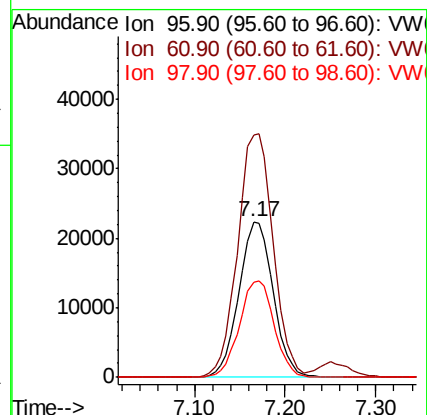
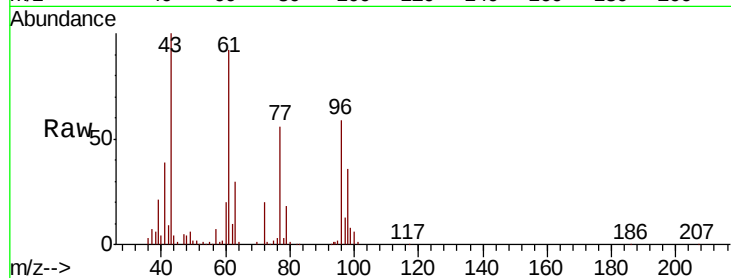


#27

cis-1,2-Dichloroethene
Concen: 20.343 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

Instrument :
MSVOA_W
ClientSampleId :
VW0823SBS01

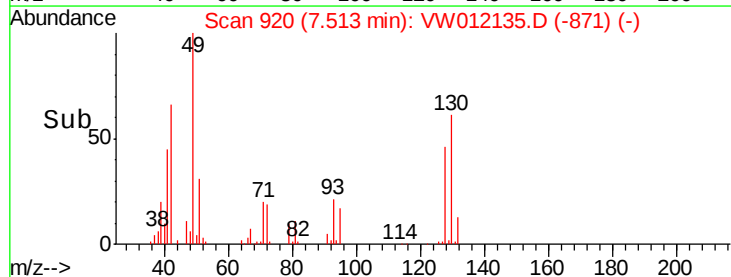
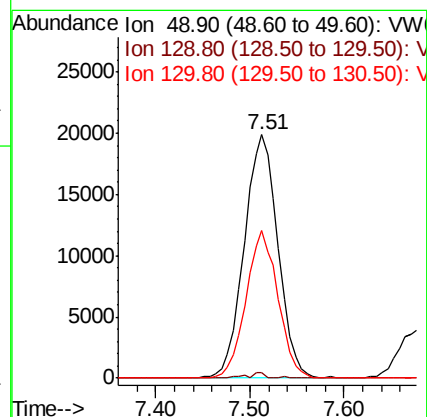
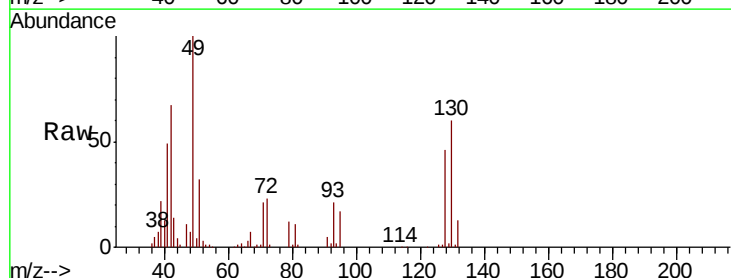
Tgt Ion: 96 Resp: 58645
Ion Ratio Lower Upper
96 100
61 161.9 0.0 326.6
98 62.8 0.0 127.4

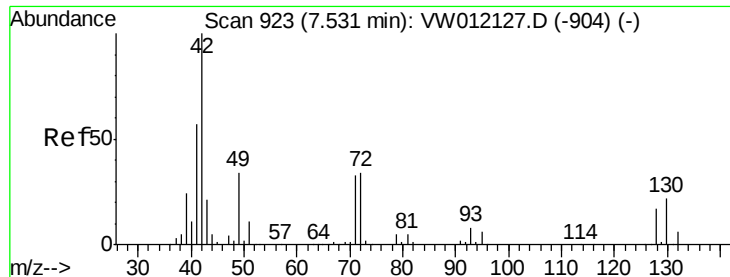


#28

Bromochloromethane
Concen: 20.980 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

Tgt Ion: 49 Resp: 49644
Ion Ratio Lower Upper
49 100
129 1.1 0.0 1.4
130 57.5 45.5 68.3





#29

Tetrahydrofuran

Concen: 108.017 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW012135.D

Acq: 23 Aug 2019 16:23

Instrument :

MSVOA_W

ClientSampleId :

VW0823SBS01

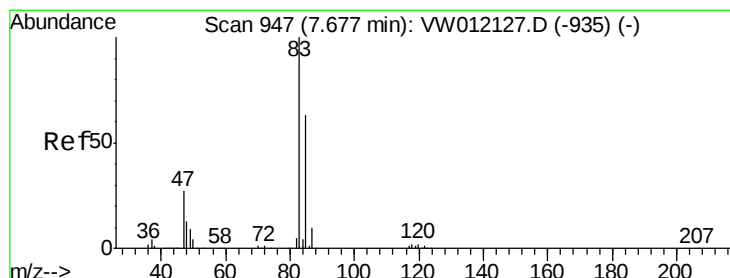
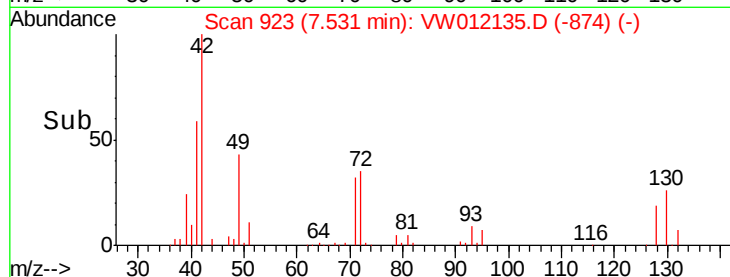
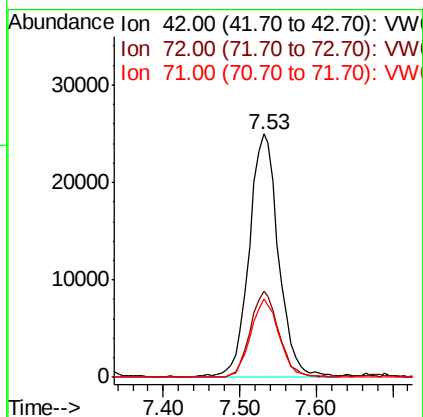
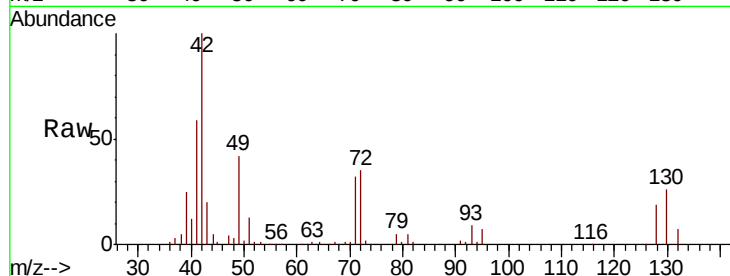
Tgt Ion: 42 Resp: 67128

Ion Ratio Lower Upper

42 100

72 34.2 27.3 40.9

71 31.0 25.5 38.3



#30

Chloroform

Concen: 20.233 ug/l

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW012135.D

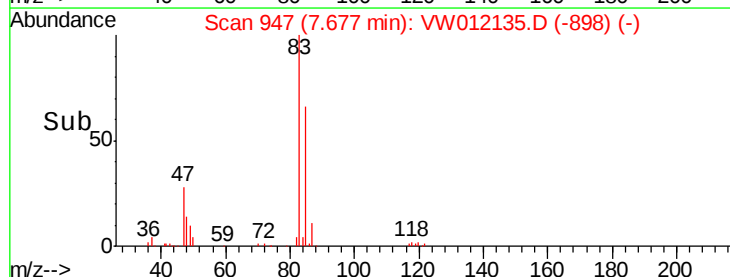
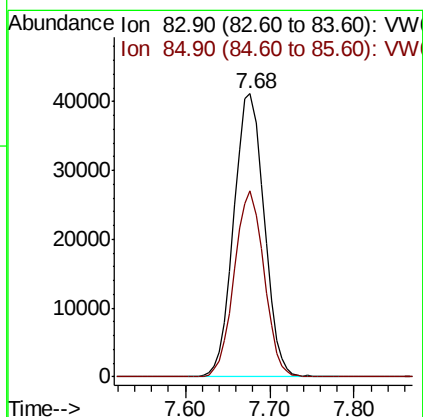
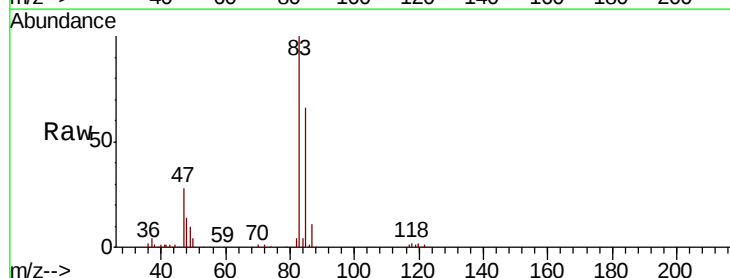
Acq: 23 Aug 2019 16:23

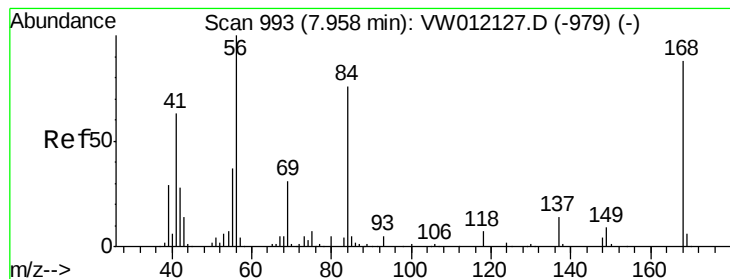
Tgt Ion: 83 Resp: 100498

Ion Ratio Lower Upper

83 100

85 65.7 50.6 76.0





#31

Cyclohexane

Concen: 18.451 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW012135.D

Acq: 23 Aug 2019 16:23

Instrument :

MSVOA_W

ClientSampled :

VW0823SBSD01

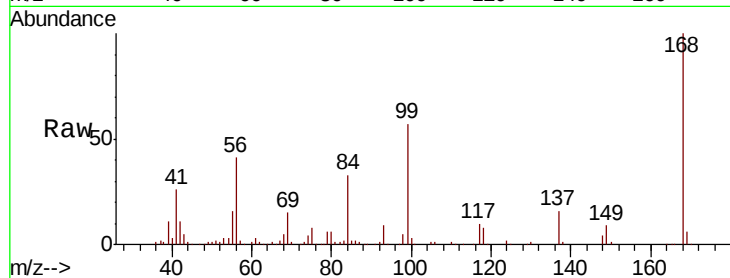
Tgt Ion: 56 Resp: 99107

Ion Ratio Lower Upper

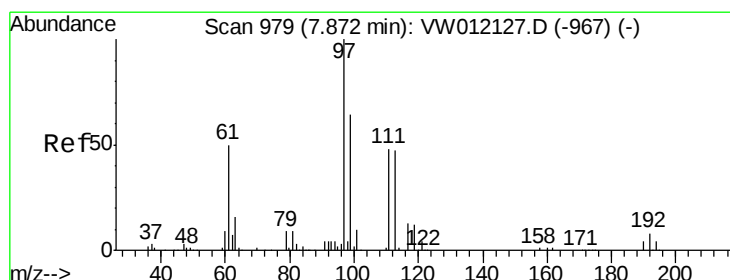
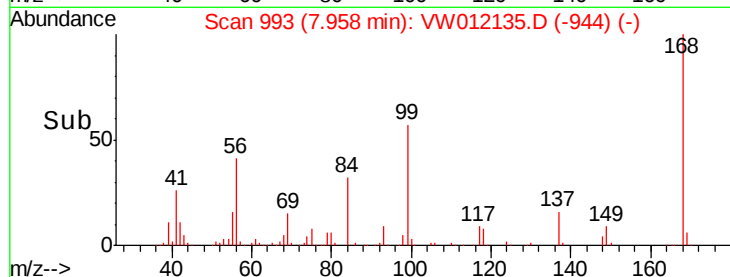
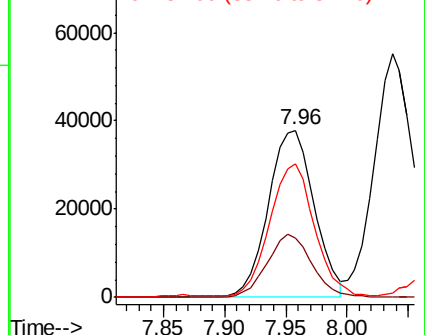
56 100

69 35.5 24.9 37.3

84 78.4 60.6 90.8



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



#32

1,1,1-Trichloroethane

Concen: 20.193 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW012135.D

Acq: 23 Aug 2019 16:23

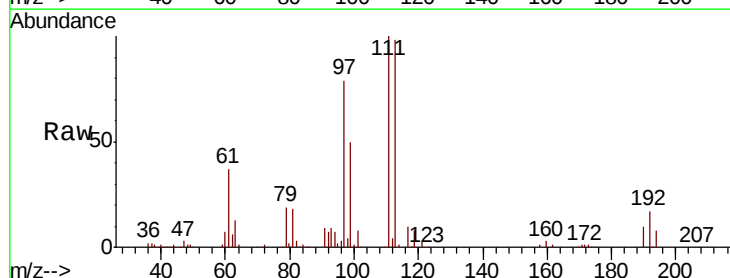
Tgt Ion: 97 Resp: 79344

Ion Ratio Lower Upper

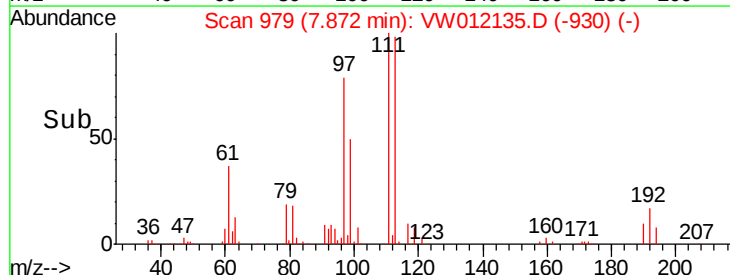
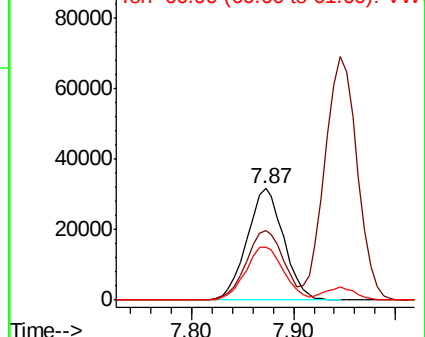
97 100

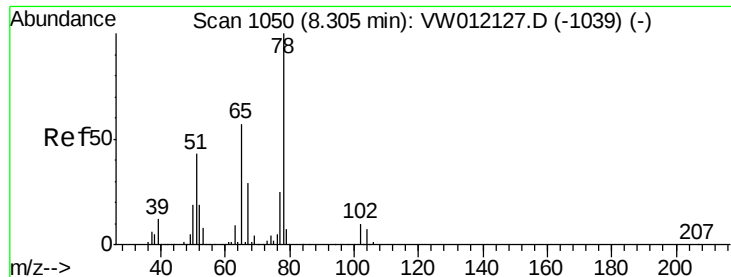
99 62.6 51.4 77.0

61 49.1 39.5 59.3



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

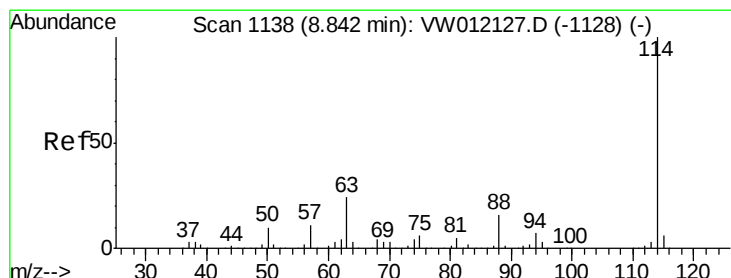
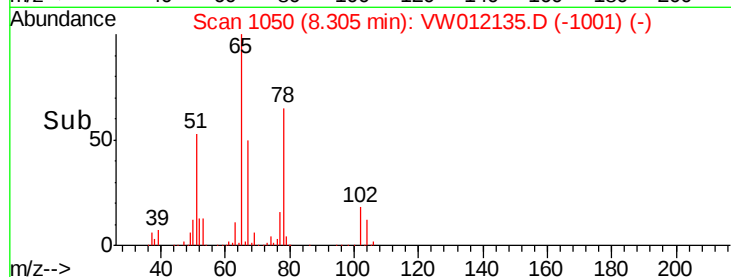
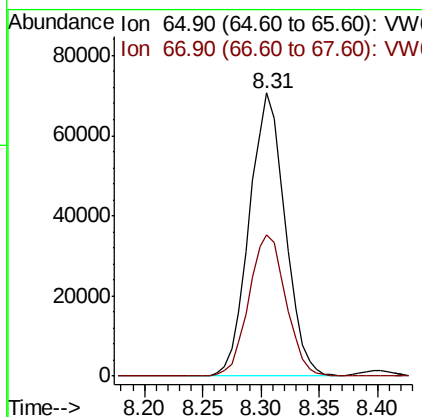
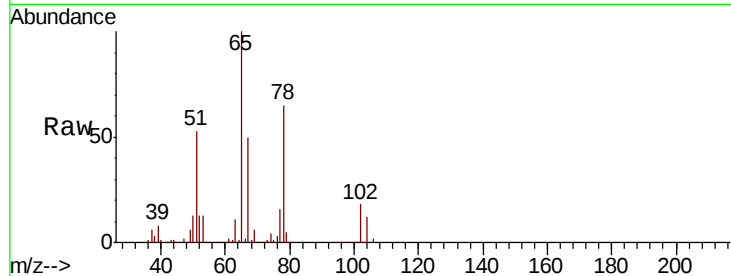




#33
 1,2-Dichloroethane-d4
 Concen: 50.629 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012135.D
 Acq: 23 Aug 2019 16:23

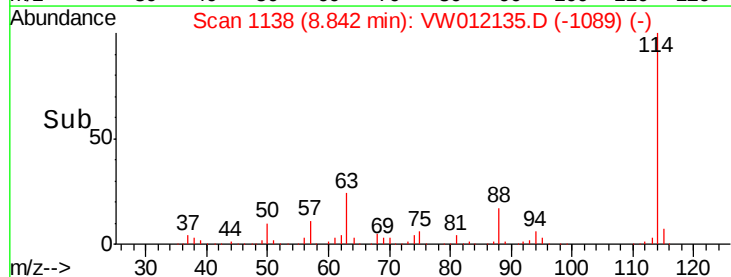
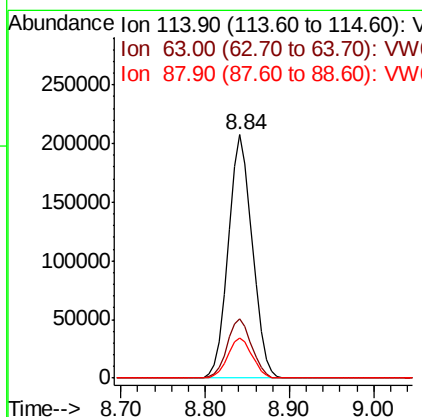
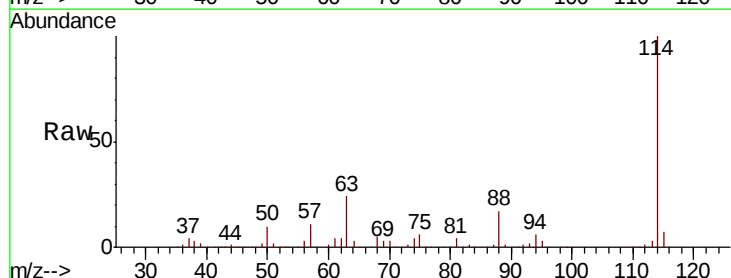
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0823SBSD01

Tgt Ion: 65 Resp: 150979
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012135.D
 Acq: 23 Aug 2019 16:23

Tgt Ion: 114 Resp: 401152
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 48.6
 88 16.6 0.0 32.2

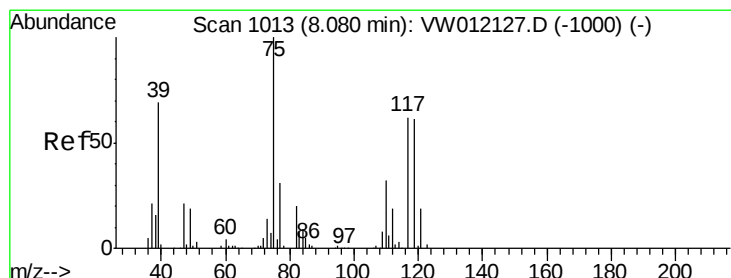
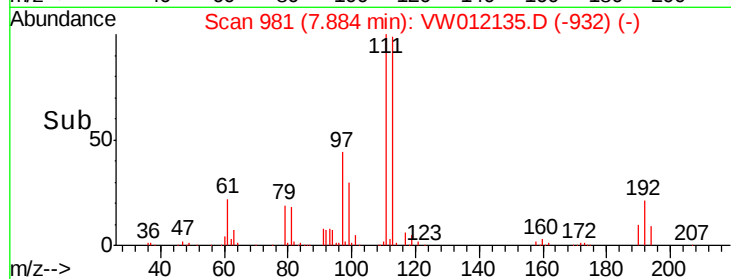
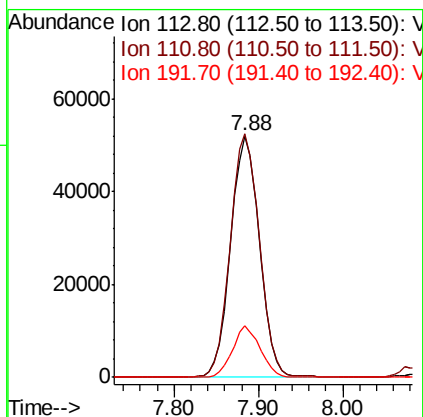
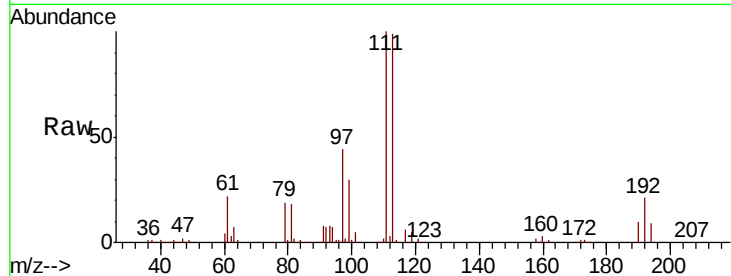




#35
 Dibromofluoromethane
 Concen: 50.193 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012135.D
 Acq: 23 Aug 2019 16:23

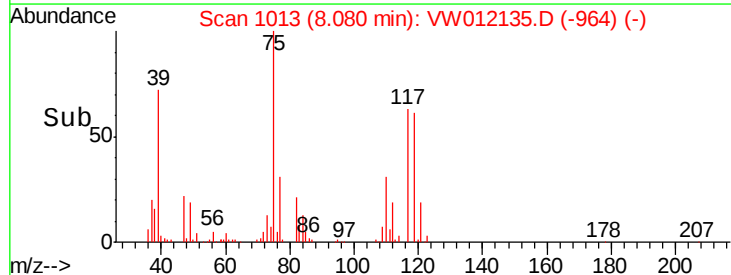
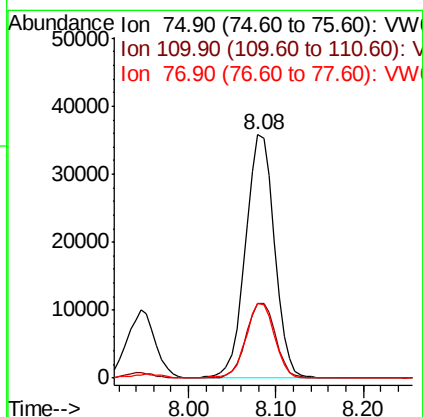
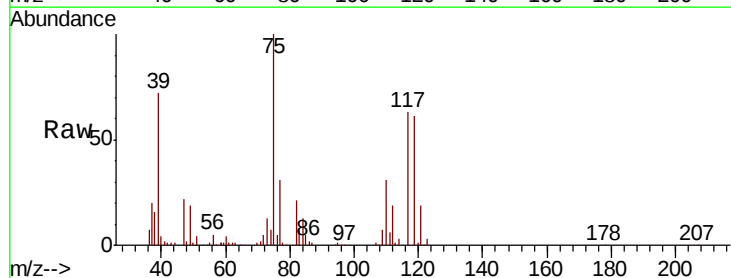
Instrument :
 MSVOA_W
 ClientSampled :
 VW0823SBS01

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.7	124.1
192	20.5	16.2	24.2



#36
 1,1-Dichloropropene
 Concen: 19.886 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012135.D
 Acq: 23 Aug 2019 16:23

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.1	15.6	46.8
77	30.7	24.6	36.8

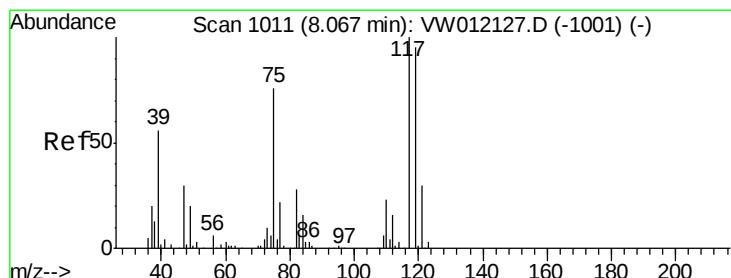
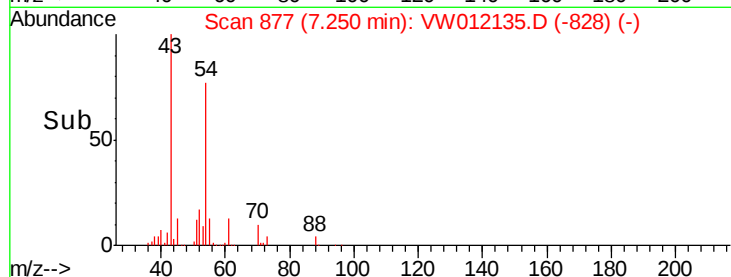
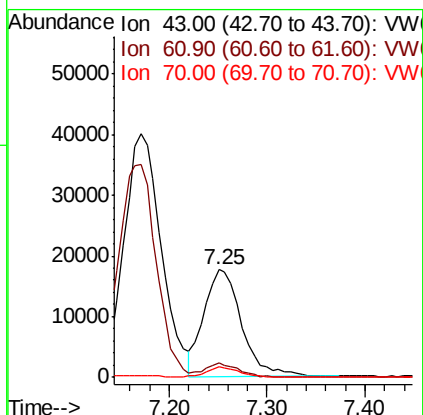
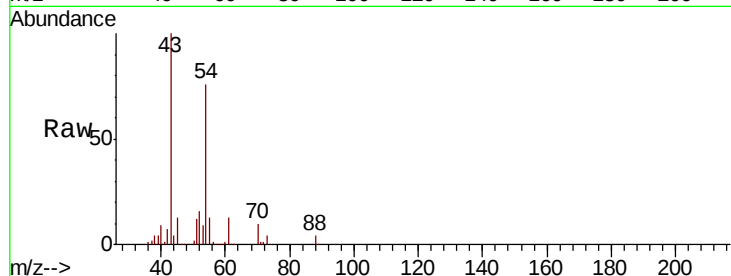




#37
Ethyl Acetate
Concen: 20.619 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

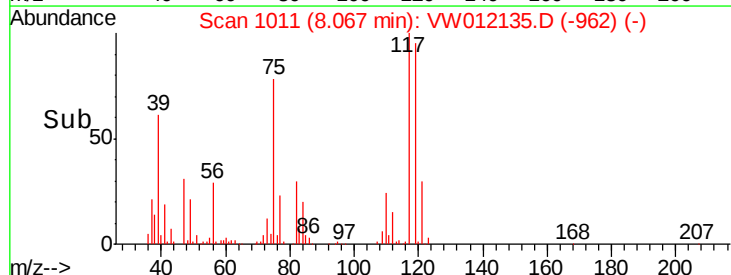
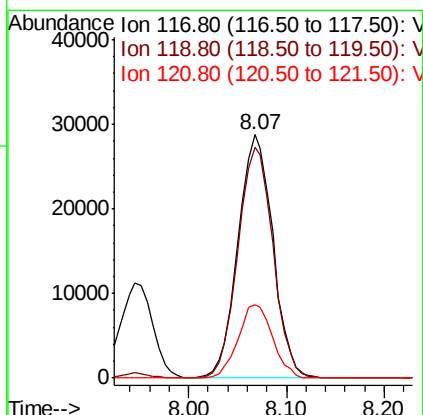
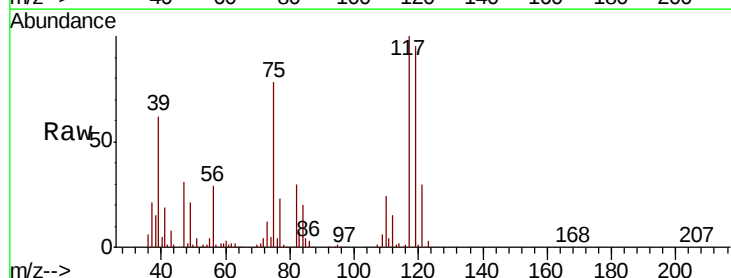
Instrument :
MSVOA_W
ClientSampleId :
VW0823SBSD01

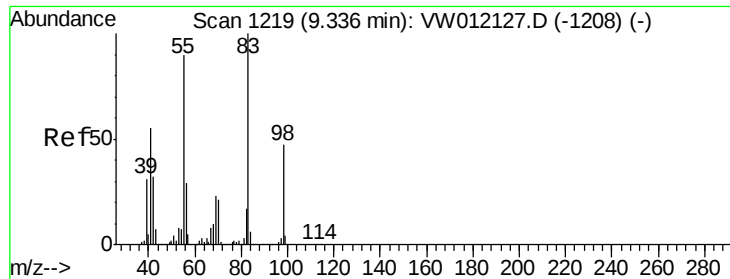
Tgt Ion: 43 Resp: 46840
Ion Ratio Lower Upper
43 100
61 11.5 9.2 13.8
70 8.6 6.9 10.3



#38
Carbon Tetrachloride
Concen: 19.860 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

Tgt Ion: 117 Resp: 71258
Ion Ratio Lower Upper
117 100
119 95.0 76.2 114.2
121 30.4 23.8 35.8

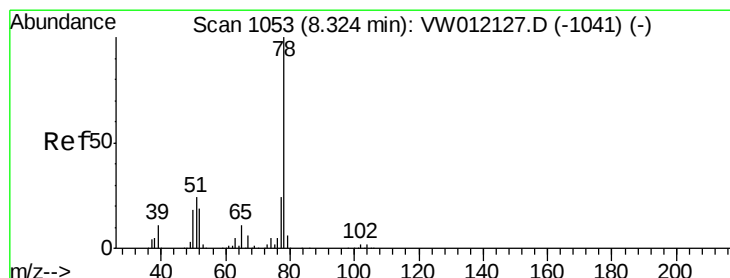
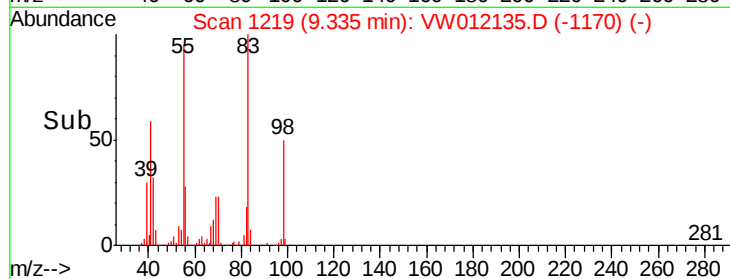
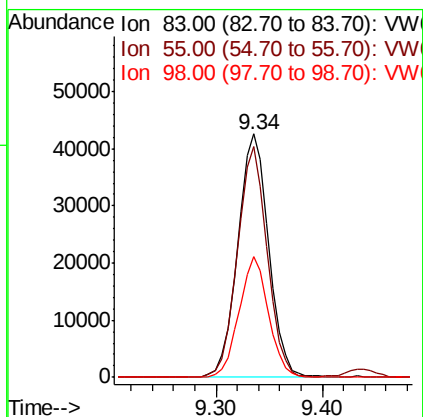
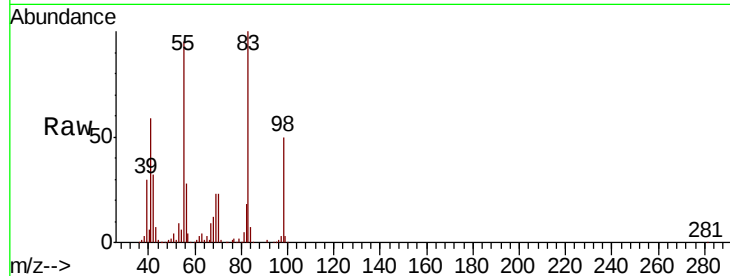




#39
Methylcyclohexane
Concen: 18.630 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

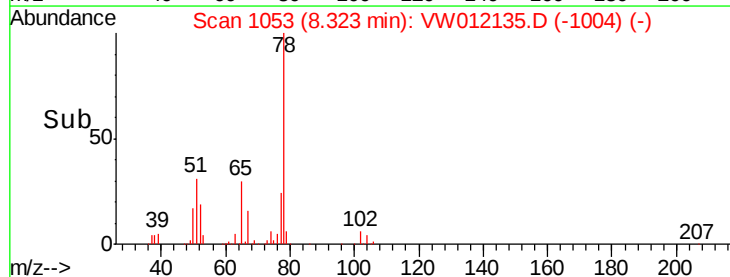
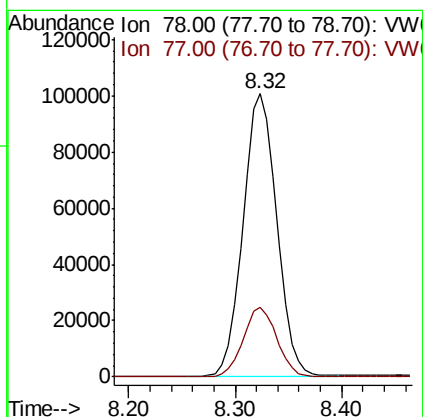
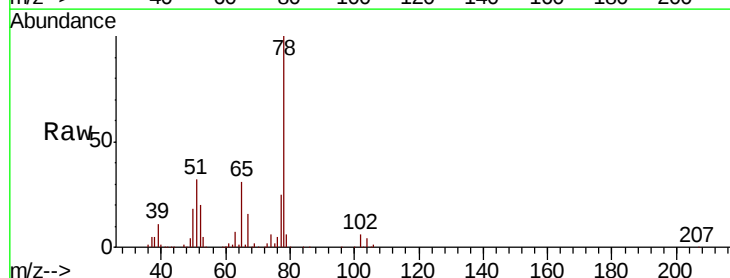
Instrument :
MSVOA_W
ClientSampleId :
VW0823SBSD01

Tgt Ion: 83 Resp: 86763
Ion Ratio Lower Upper
83 100
55 94.9 71.8 107.8
98 49.7 37.8 56.8



#40
Benzene
Concen: 19.840 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

Tgt Ion: 78 Resp: 224578
Ion Ratio Lower Upper
78 100
77 24.6 19.5 29.3

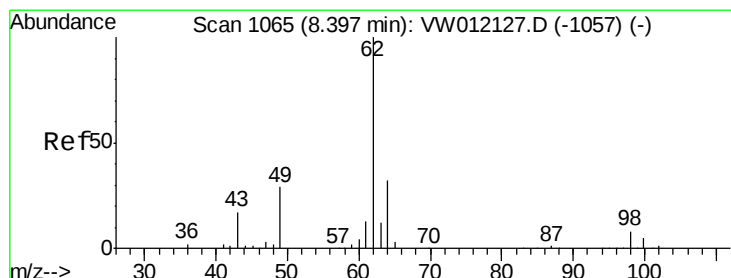
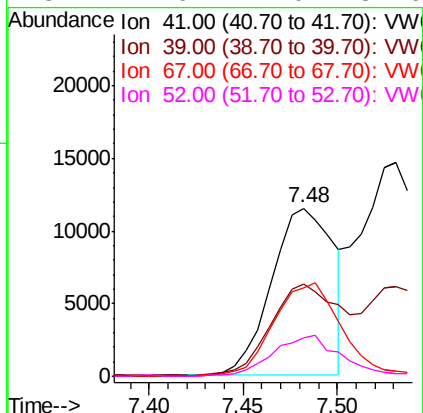
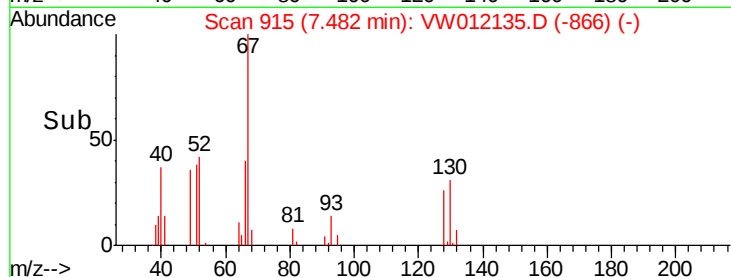
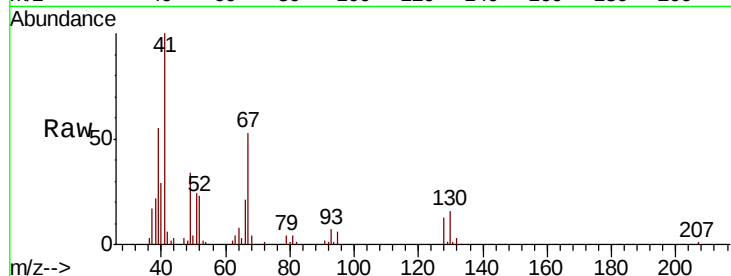




#41
Methacrylonitrile
Concen: 19.671 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

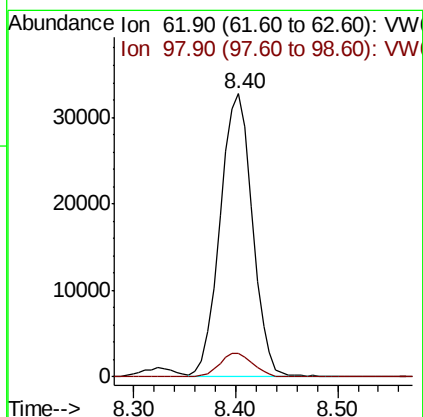
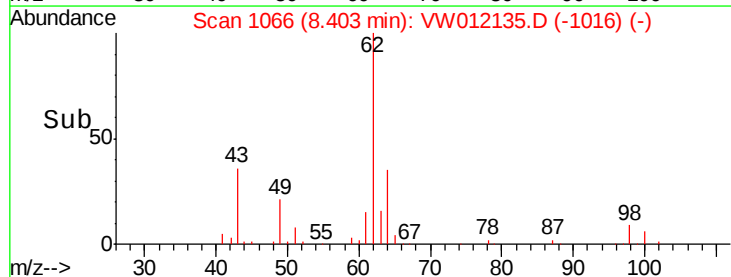
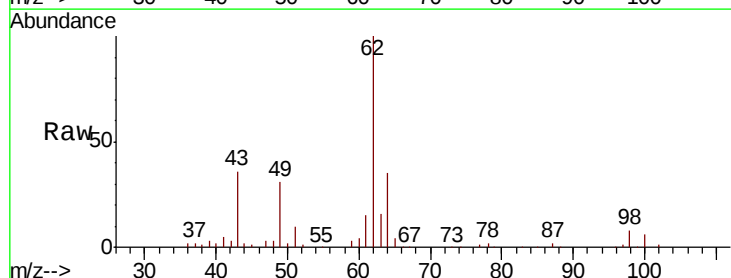
Instrument :
MSVOA_W
ClientSampleId :
VW0823SBSD01

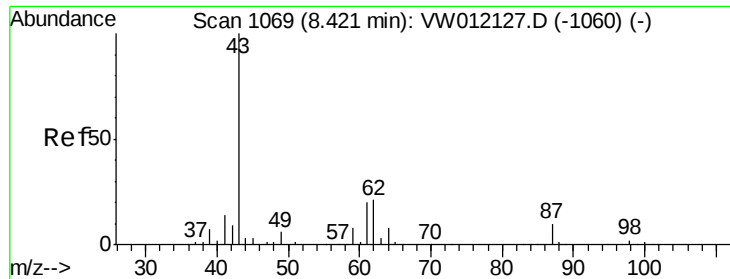
Tgt Ion:	41	Resp:	26263
Ion	Ratio	Lower	Upper
41	100		
39	61.7	45.8	68.8
67	61.7	46.2	69.4
52	27.6	21.0	31.6



#42
1,2-Dichloroethane
Concen: 20.342 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

Tgt Ion:	62	Resp:	72165
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	16.6





#43

Isopropyl Acetate

Concen: 20.807 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012135.D

Acq: 23 Aug 2019 16:23

Instrument :

MSVOA_W

ClientSampleId :

VW0823SBS01

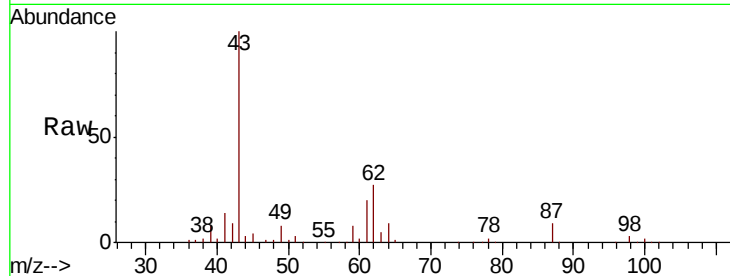
Tgt Ion: 43 Resp: 87550

Ion Ratio Lower Upper

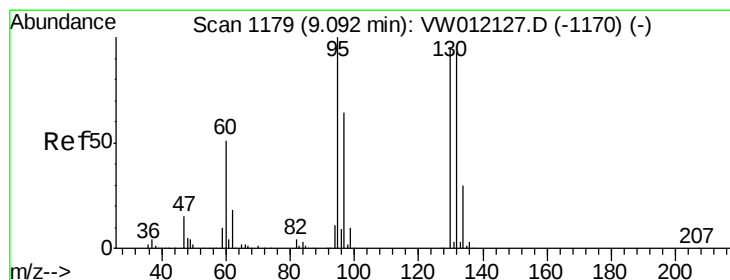
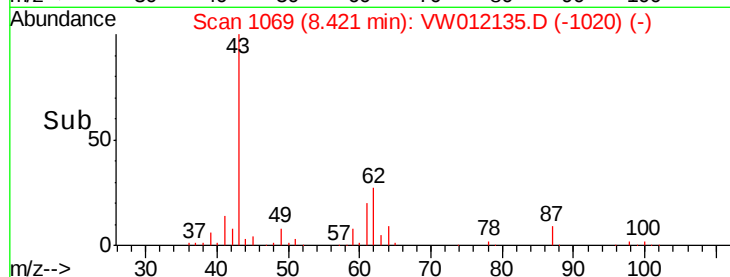
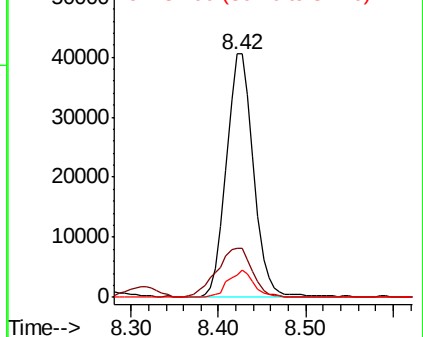
43 100

61 26.2 21.1 31.7

87 10.5 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 19.795 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW012135.D

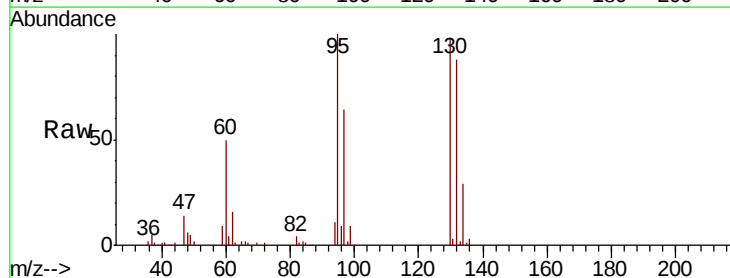
Acq: 23 Aug 2019 16:23

Tgt Ion: 130 Resp: 54469

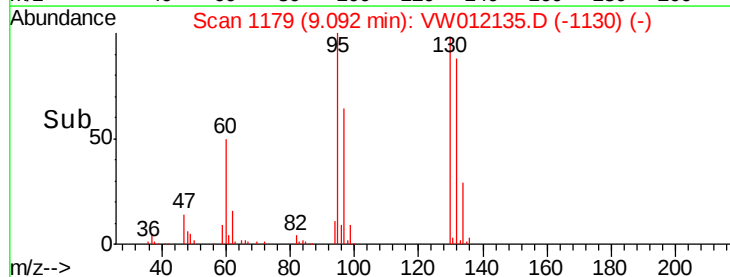
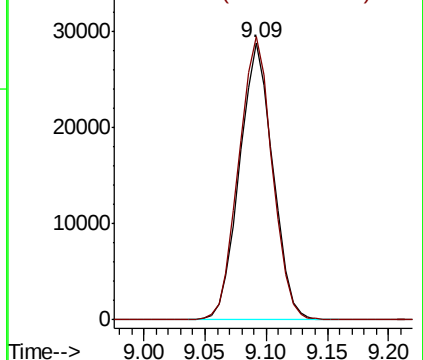
Ion Ratio Lower Upper

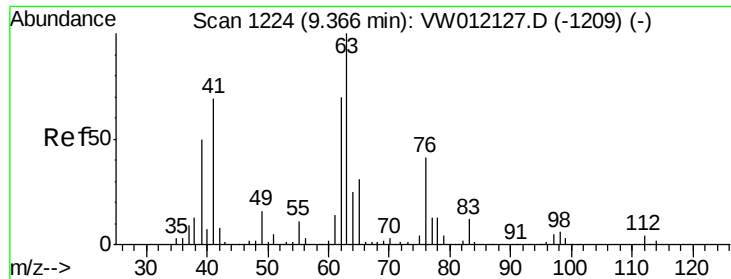
130 100

95 102.2 0.0 210.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW

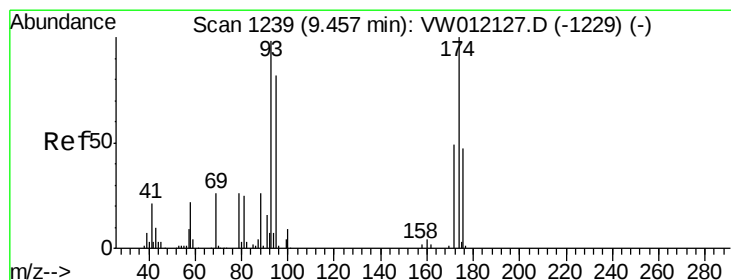
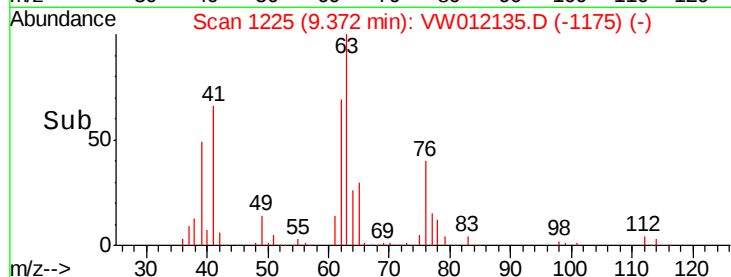
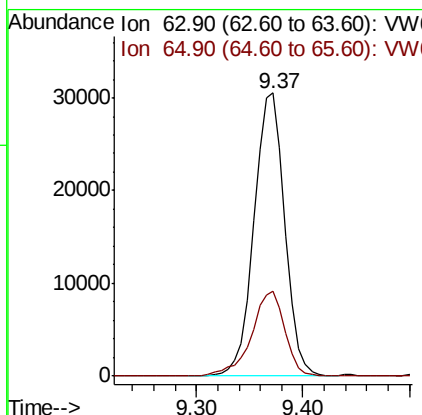
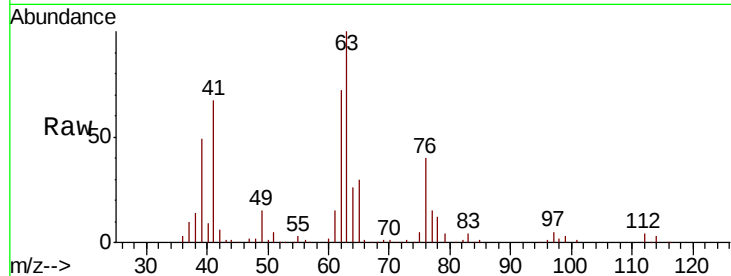




#45
1,2-Dichloropropane
Concen: 20.309 ug/l
RT: 9.37 min Scan# 1225
Delta R.T. 0.01 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

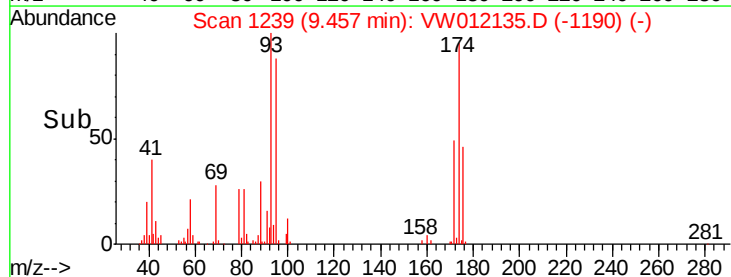
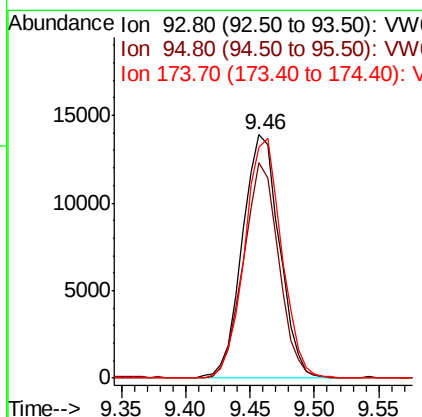
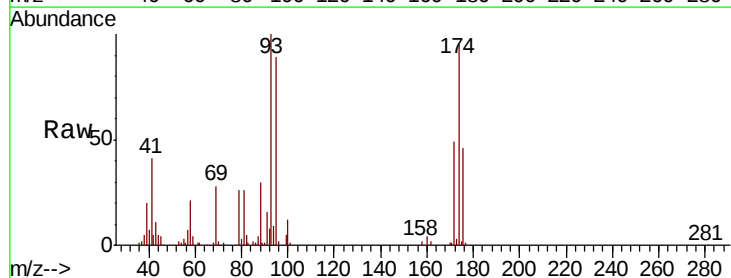
Instrument :
MSVOA_W
ClientSampleId :
VW0823SBS01

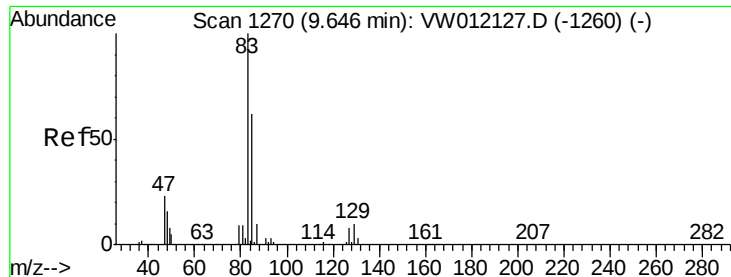
Tgt Ion: 63 Resp: 61868
Ion Ratio Lower Upper
63 100
65 30.1 25.0 37.4



#46
Dibromomethane
Concen: 20.392 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. -0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

Tgt Ion: 93 Resp: 27640
Ion Ratio Lower Upper
93 100
95 84.3 67.2 100.8
174 98.0 79.0 118.6





#47

Bromodichloromethane

Concen: 20.099 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW012135.D

Acq: 23 Aug 2019 16:23

Instrument :

MSVOA_W

ClientSampleId :

VW0823SBSD01

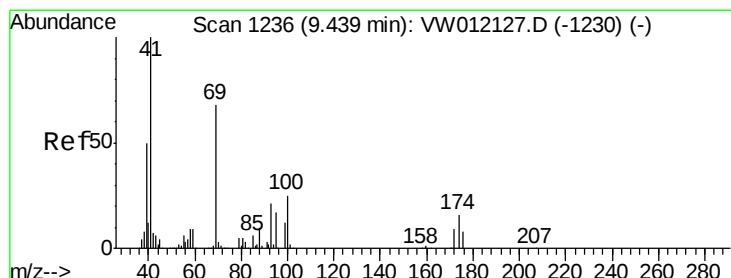
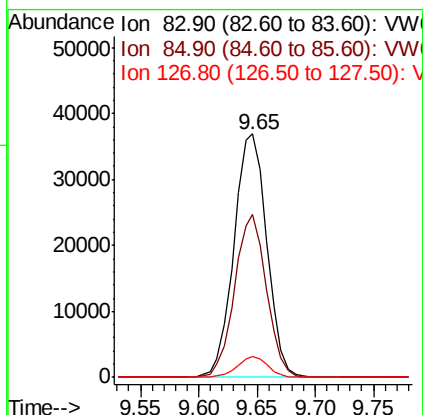
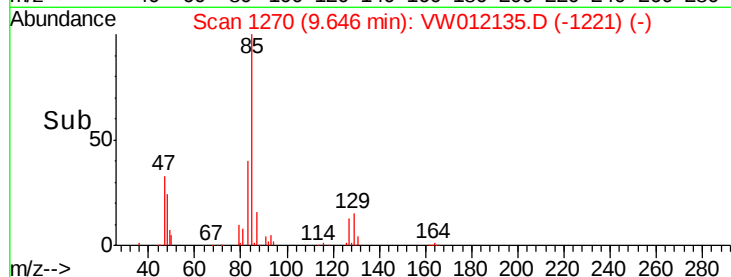
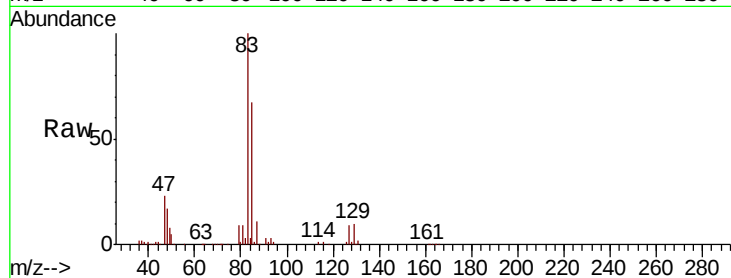
Tgt Ion: 83 Resp: 72506

Ion Ratio Lower Upper

83 100

85 66.8 49.4 74.2

127 8.5 6.1 9.1



#48

Methyl methacrylate

Concen: 20.439 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW012135.D

Acq: 23 Aug 2019 16:23

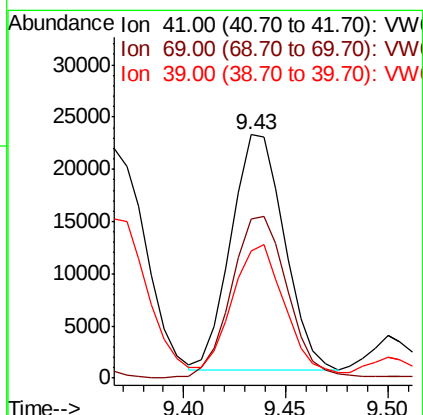
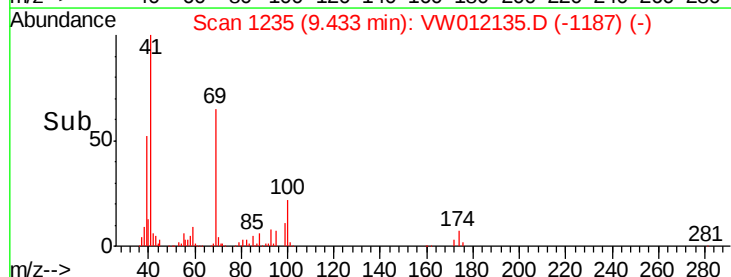
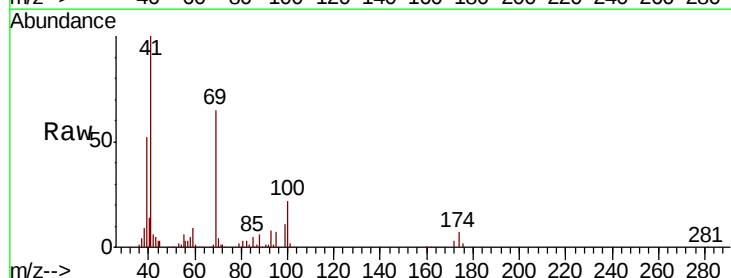
Tgt Ion: 41 Resp: 40933

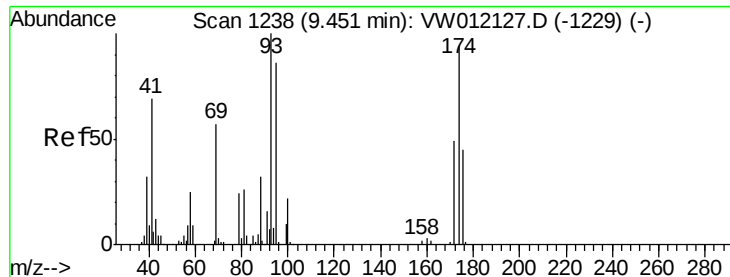
Ion Ratio Lower Upper

41 100

69 72.0 56.7 85.1

39 57.4 42.0 63.0





#49

1,4-Dioxane

Concen: 450.359 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.00 min

Lab File: VW012135.D

Acq: 23 Aug 2019 16:23

Instrument :

MSVOA_W

ClientSampleId :

VW0823SBSD01

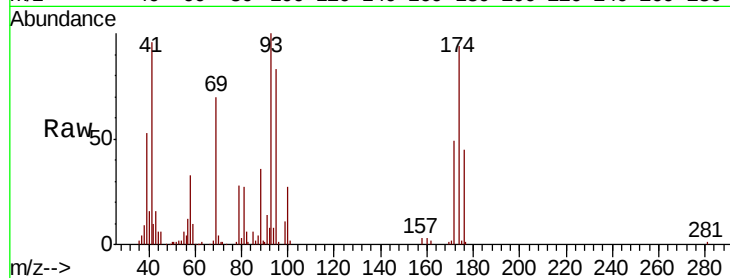
Tgt Ion: 88 Resp: 9345

Ion Ratio Lower Upper

88 100

43 39.3 32.9 49.3

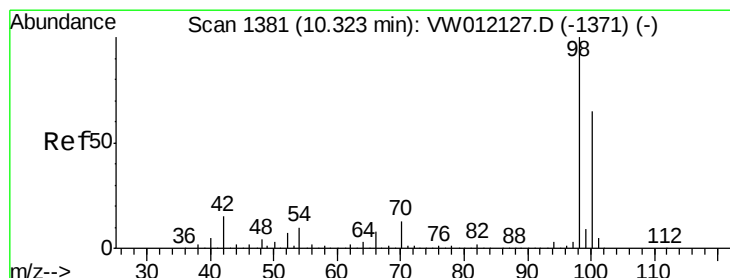
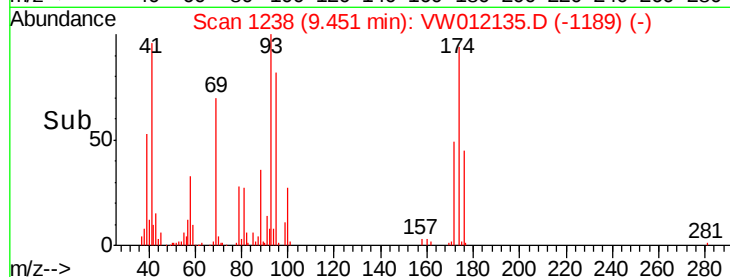
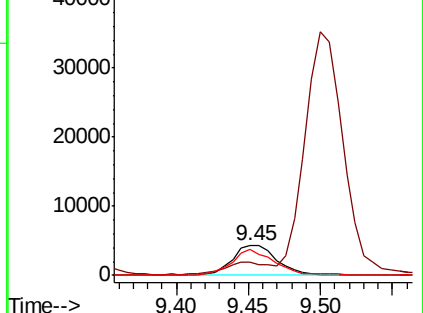
58 86.7 71.0 106.4



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: 51.077 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012135.D

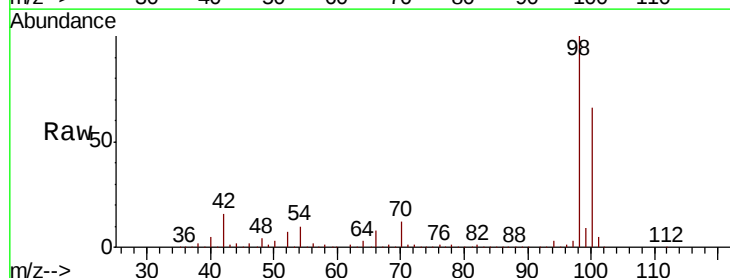
Acq: 23 Aug 2019 16:23

Tgt Ion: 98 Resp: 495906

Ion Ratio Lower Upper

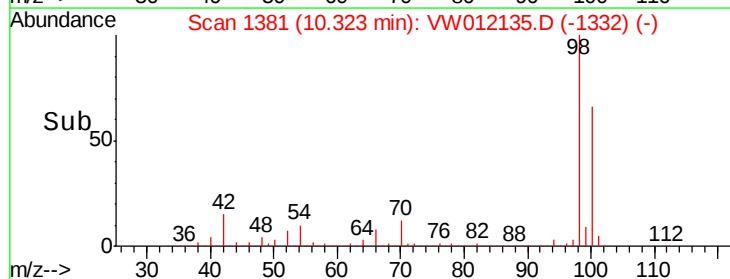
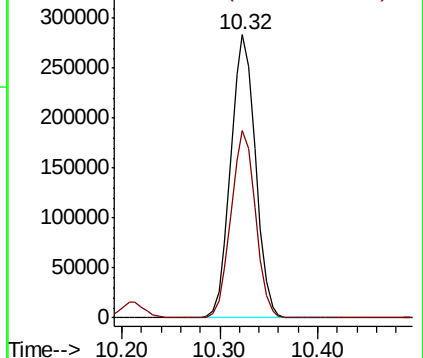
98 100

100 65.7 52.4 78.6



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: 105.532 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012135.D

Acq: 23 Aug 2019 16:23

Instrument :

MSVOA_W

ClientSampleId :

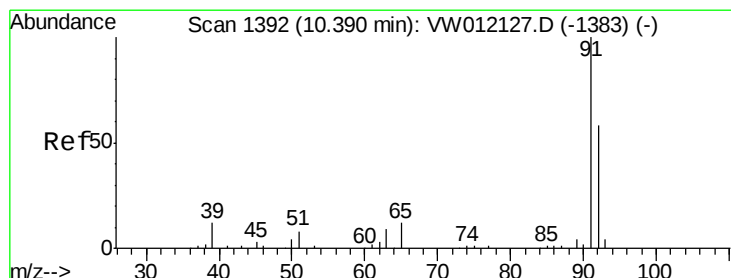
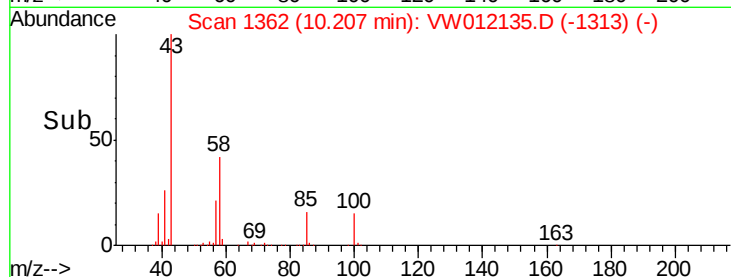
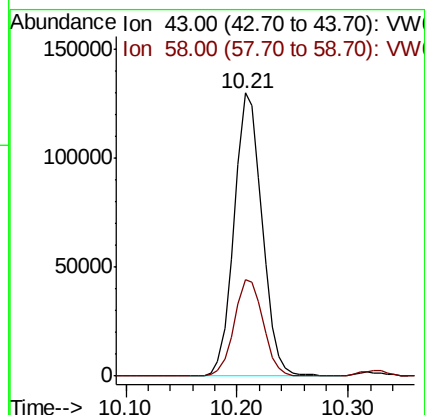
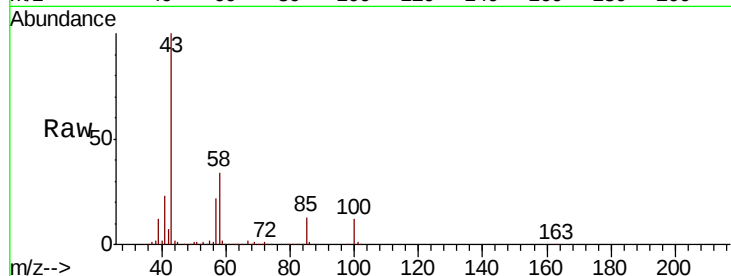
VW0823SBSD01

Tgt Ion: 43 Resp: 225860

Ion Ratio Lower Upper

43 100

58 35.3 28.2 42.2



#52

Toluene

Concen: 19.914 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW012135.D

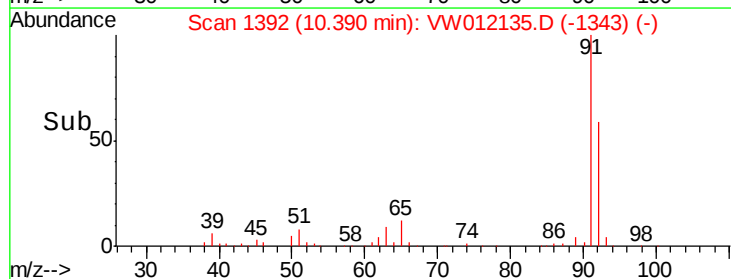
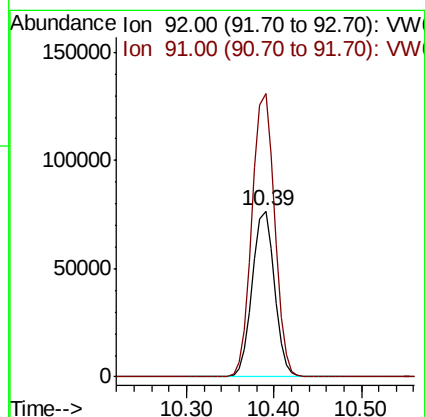
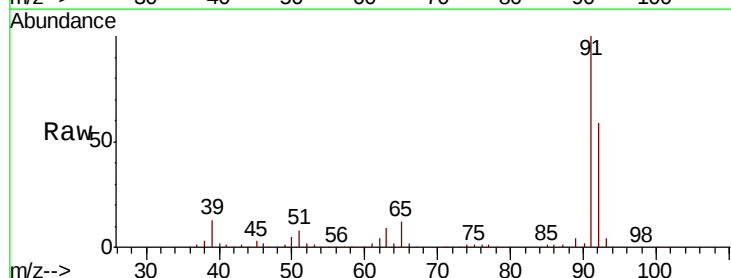
Acq: 23 Aug 2019 16:23

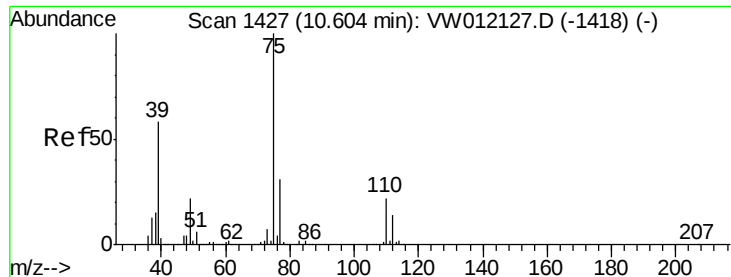
Tgt Ion: 92 Resp: 135420

Ion Ratio Lower Upper

92 100

91 173.3 136.6 204.8





#53

t-1,3-Dichloropropene

Concen: 19.941 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012135.D

Acq: 23 Aug 2019 16:23

Instrument :

MSVOA_W

ClientSampleId :

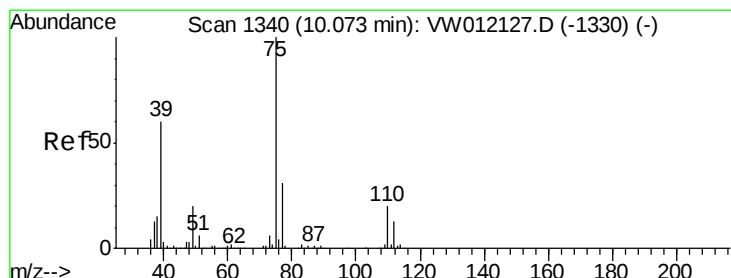
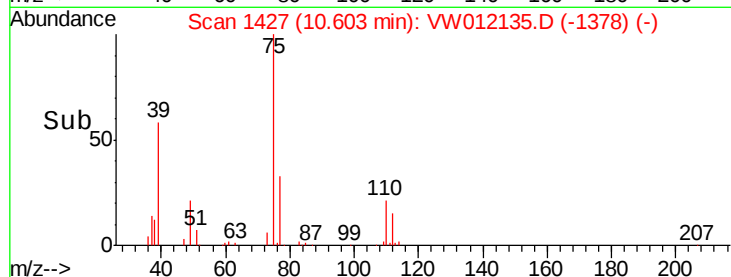
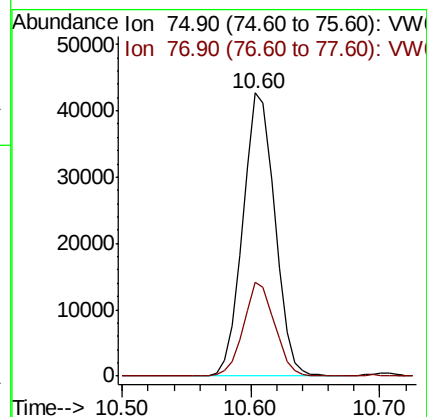
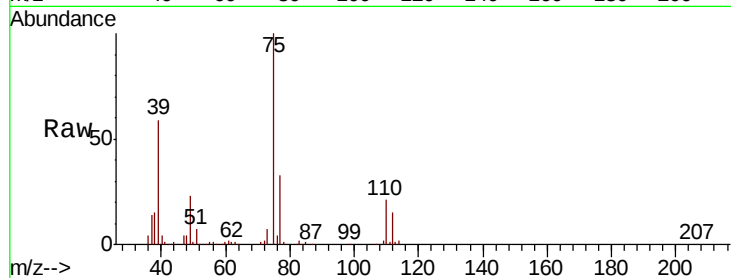
VW0823SBS01

Tgt Ion: 75 Resp: 73273

Ion Ratio Lower Upper

75 100

77 32.9 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 20.102 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012135.D

Acq: 23 Aug 2019 16:23

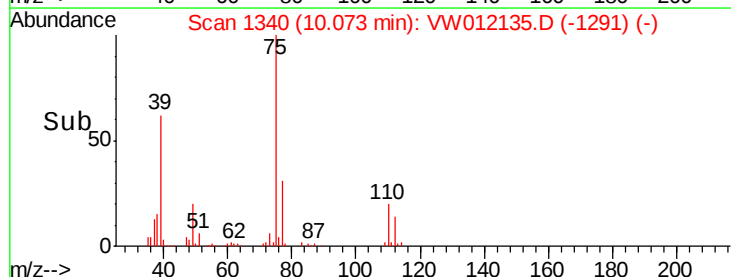
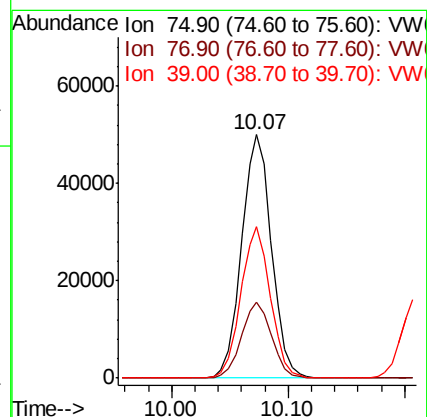
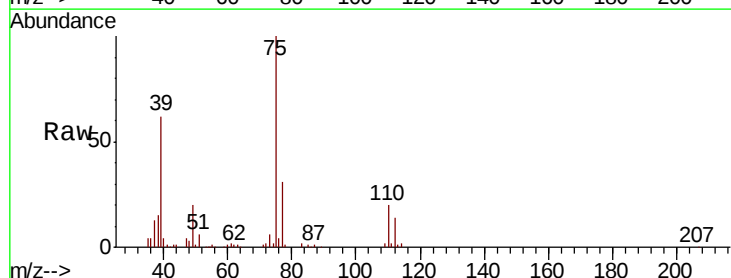
Tgt Ion: 75 Resp: 89190

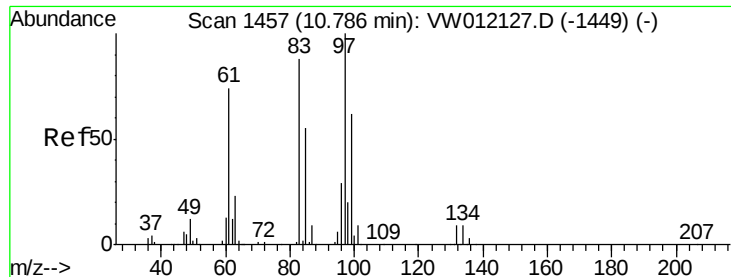
Ion Ratio Lower Upper

75 100

77 31.2 25.1 37.7

39 62.0 48.3 72.5





#55

1,1,2-Trichloroethane

Concen: 20.763 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW012135.D

Acq: 23 Aug 2019 16:23

Instrument :

MSVOA_W

ClientSampleId :

VW0823SBSD01

Tgt Ion: 97 Resp: 39819

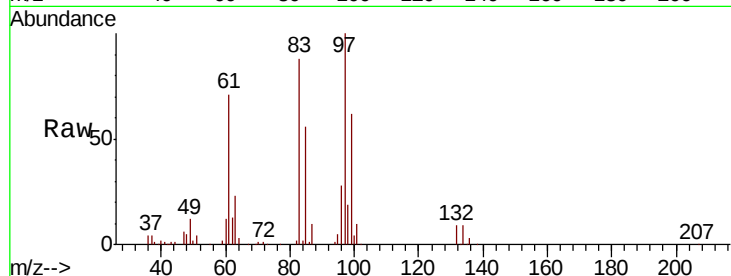
Ion Ratio Lower Upper

97 100

83 87.7 70.8 106.2

85 56.0 43.8 65.8

99 62.1 49.8 74.6

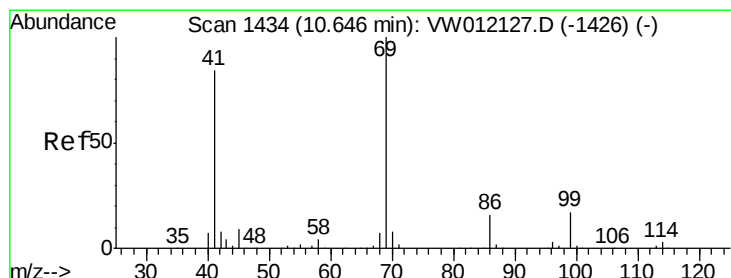
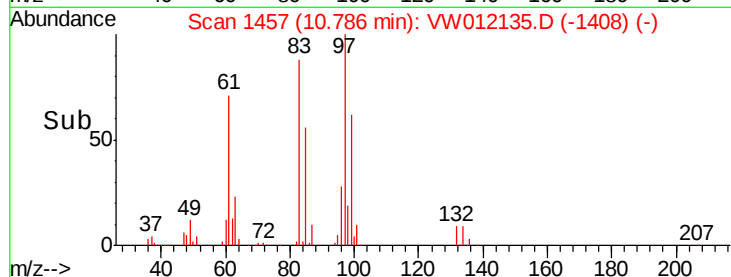
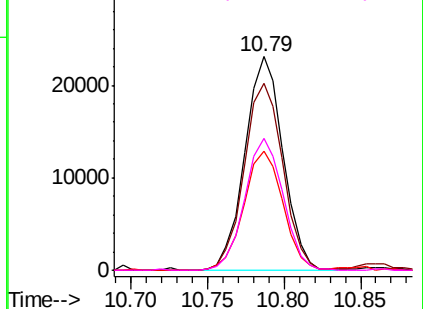


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 20.811 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW012135.D

Acq: 23 Aug 2019 16:23

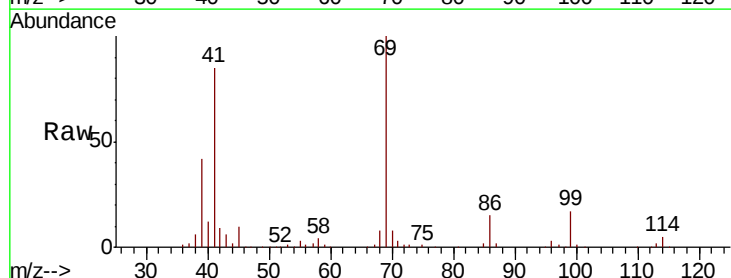
Tgt Ion: 69 Resp: 58086

Ion Ratio Lower Upper

69 100

41 81.9 66.5 99.7

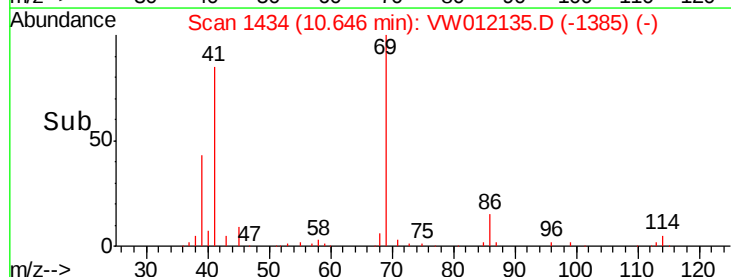
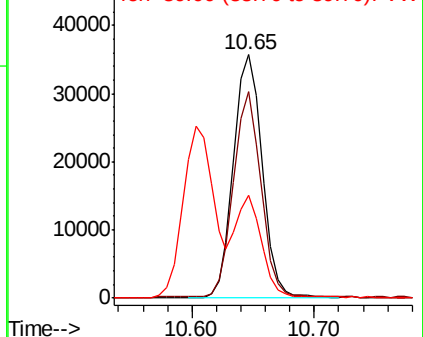
39 37.9 31.0 46.4

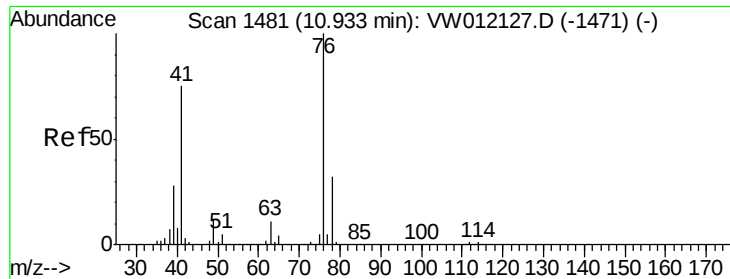


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

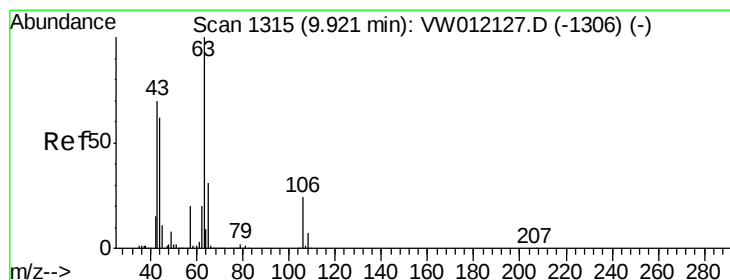
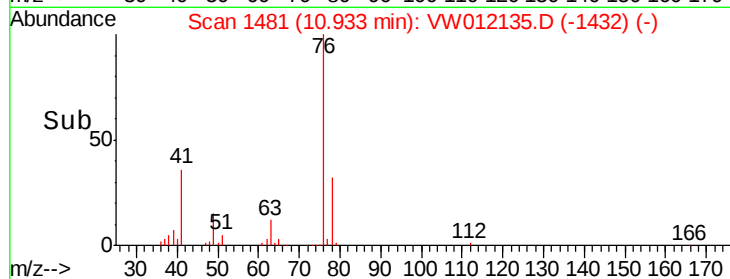
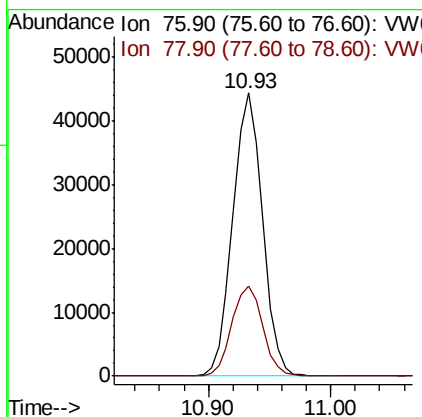
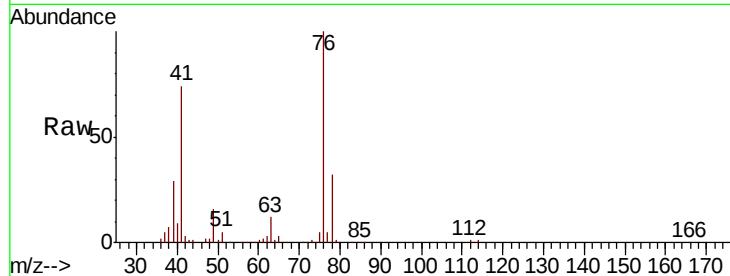




#57
 1,3-Dichloropropane
 Concen: 20.592 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012135.D
 Acq: 23 Aug 2019 16:23

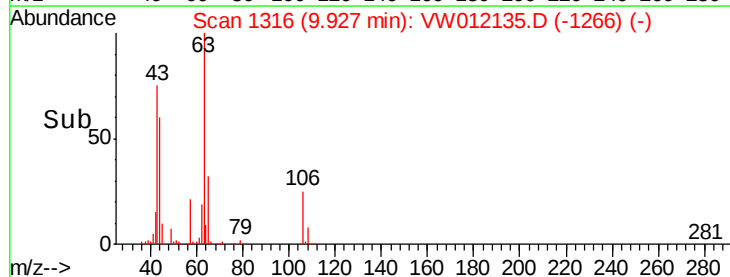
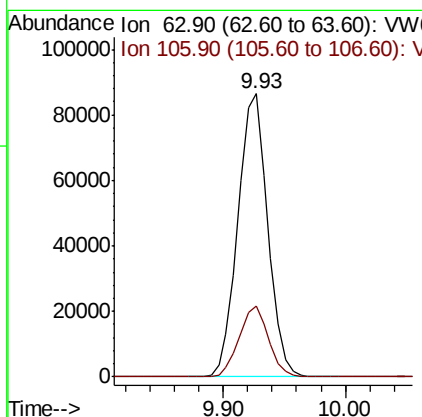
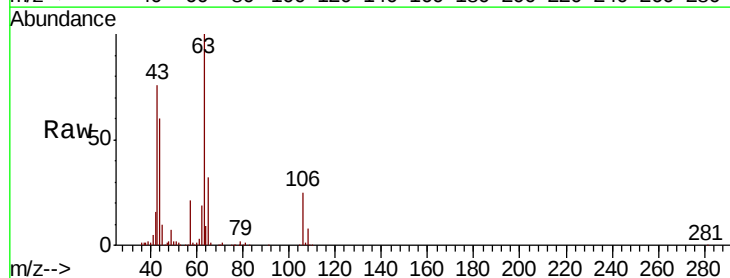
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0823SBSD01

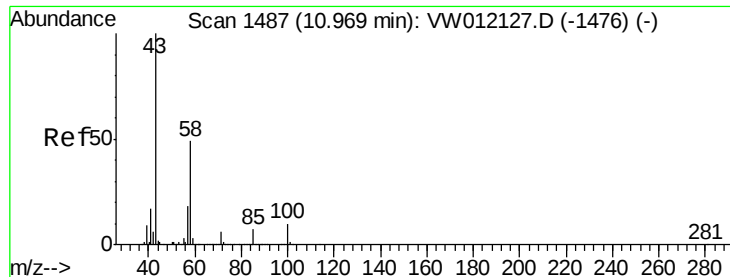
Tgt Ion: 76 Resp: 74626
 Ion Ratio Lower Upper
 76 100
 78 33.0 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.191 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW012135.D
 Acq: 23 Aug 2019 16:23

Tgt Ion: 63 Resp: 146386
 Ion Ratio Lower Upper
 63 100
 106 24.8 19.8 29.8

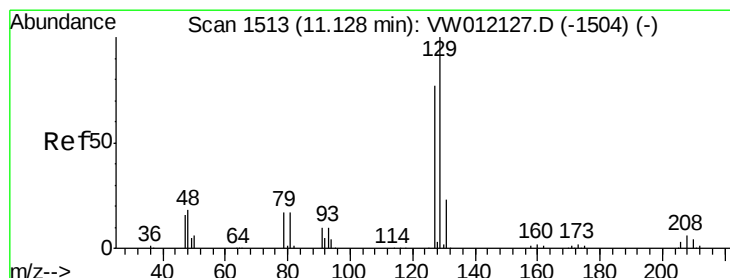
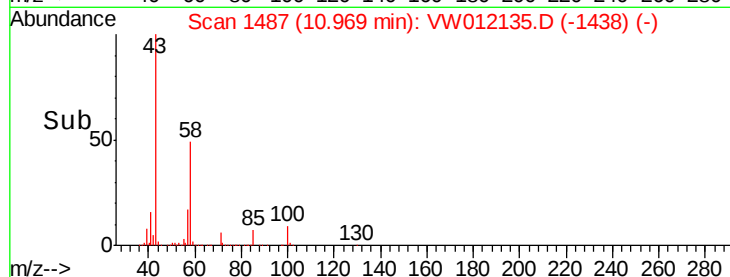
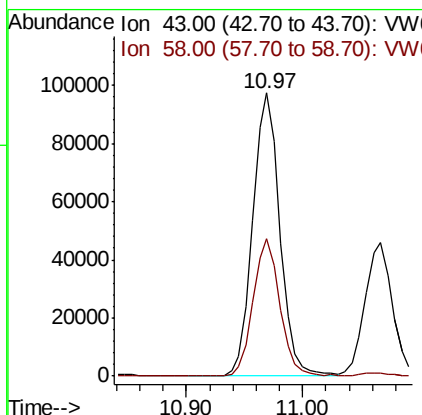
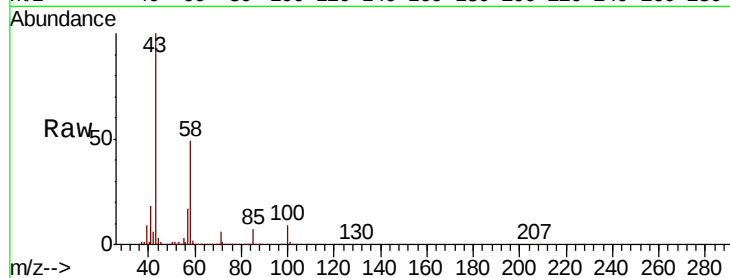




#59
2-Hexanone
Concen: 104.613 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

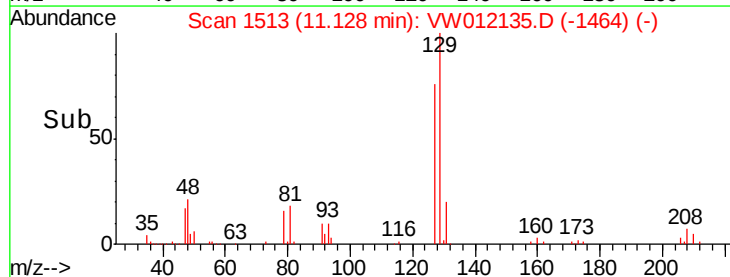
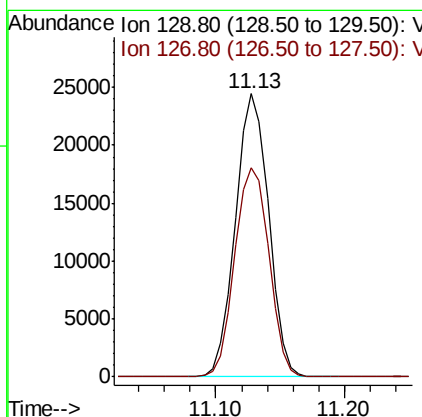
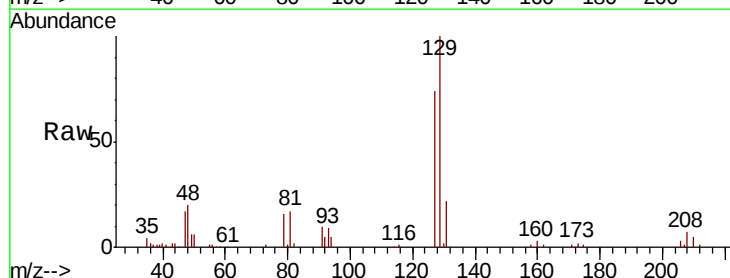
Instrument :
MSVOA_W
ClientSampleId :
VW0823SBSD01

Tgt Ion: 43 Resp: 158420
Ion Ratio Lower Upper
43 100
58 47.9 24.3 72.9



#60
Dibromochloromethane
Concen: 20.487 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

Tgt Ion: 129 Resp: 43762
Ion Ratio Lower Upper
129 100
127 76.3 38.6 115.8





#61

1,2-Dibromoethane

Concen: 20.574 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW012135.D

Acq: 23 Aug 2019 16:23

Instrument :

MSVOA_W

ClientSampleId :

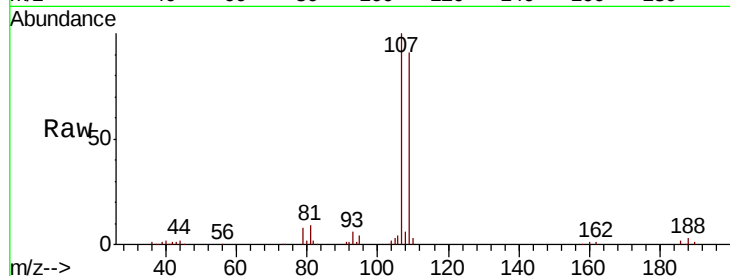
VW0823SBSD01

Tgt Ion: 107 Resp: 36758

Ion Ratio Lower Upper

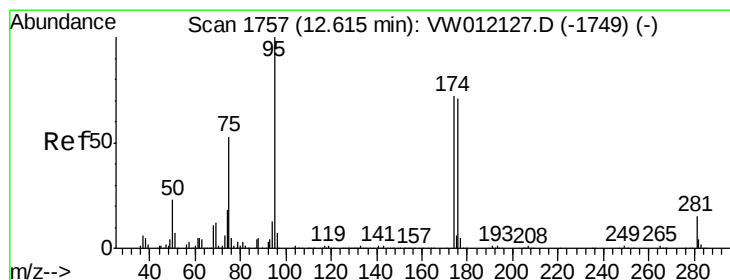
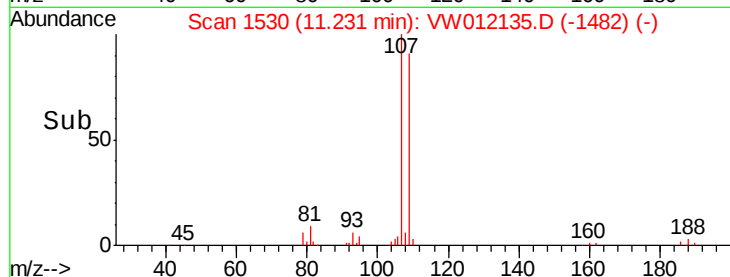
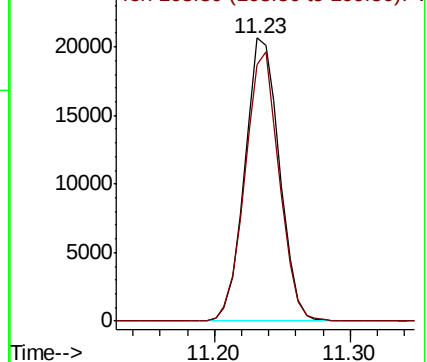
107 100

109 94.0 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.144 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012135.D

Acq: 23 Aug 2019 16:23

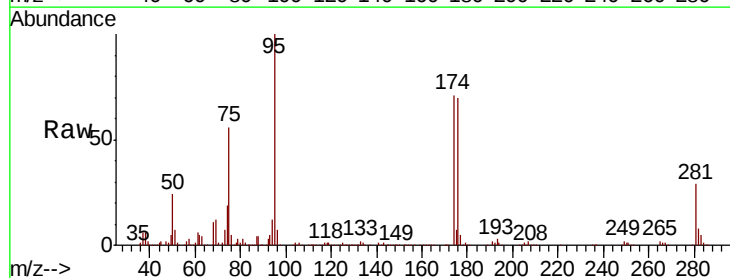
Tgt Ion: 95 Resp: 171611

Ion Ratio Lower Upper

95 100

174 76.1 0.0 150.8

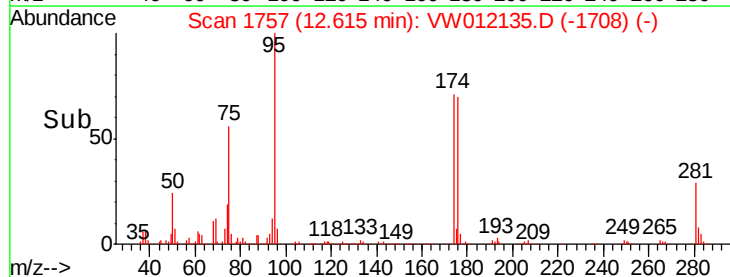
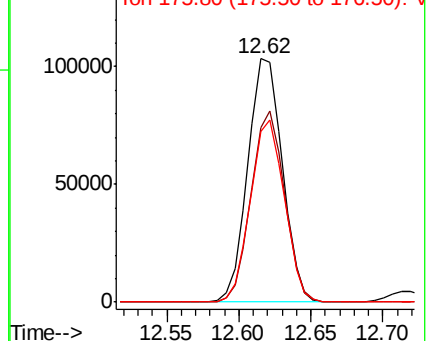
176 73.6 0.0 148.6

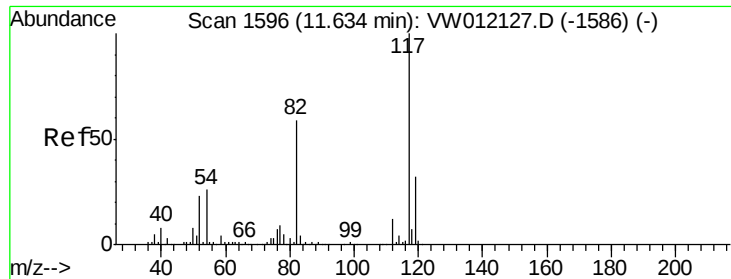


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

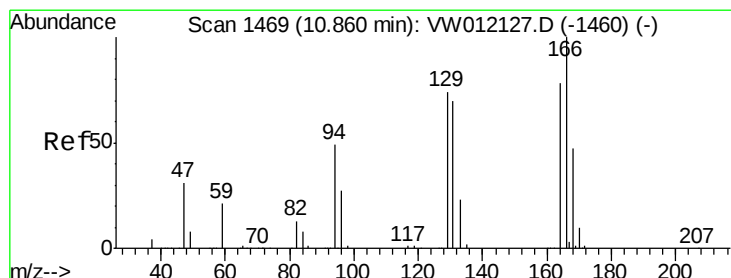
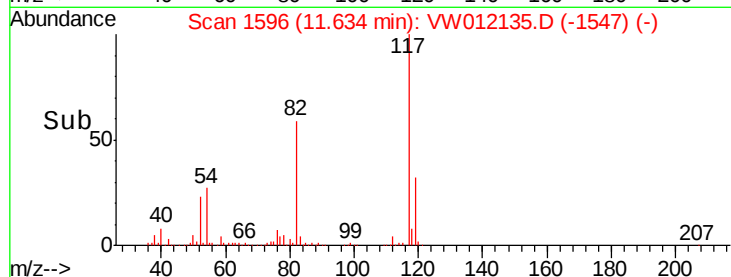
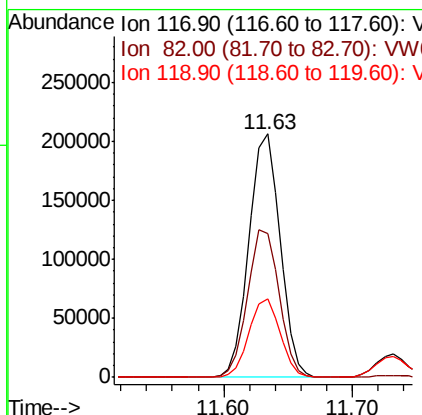
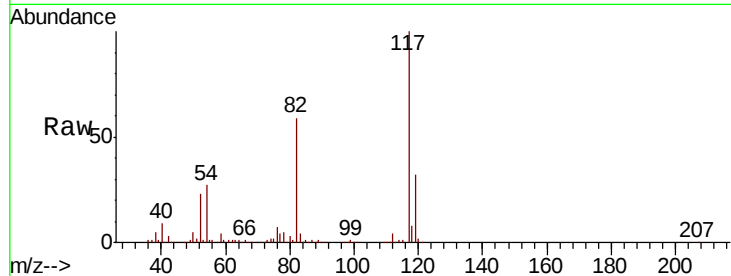




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

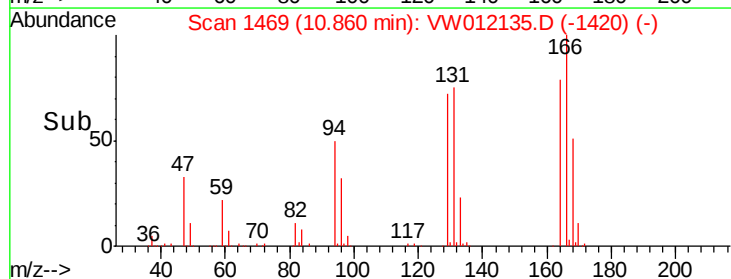
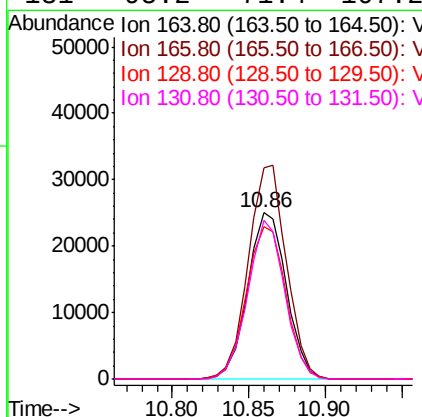
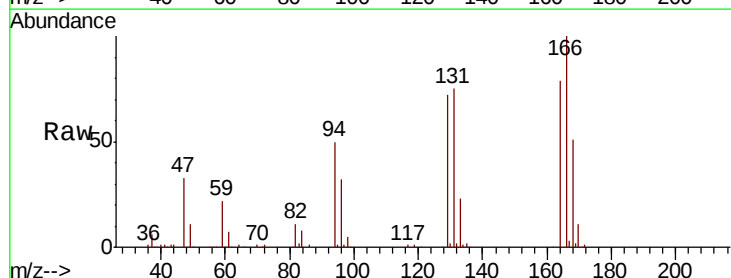
Instrument :
MSVOA_W
ClientSampleId :
VW0823SBSD01

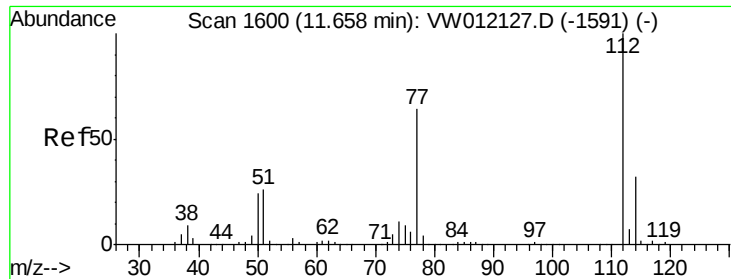
Tgt Ion:117 Resp: 345999
Ion Ratio Lower Upper
117 100
82 59.1 47.4 71.2
119 32.0 25.4 38.2



#64
Tetrachloroethene
Concen: 19.607 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

Tgt Ion:164 Resp: 43982
Ion Ratio Lower Upper
164 100
166 127.1 102.4 153.6
129 91.9 75.8 113.6
131 95.2 71.4 107.2

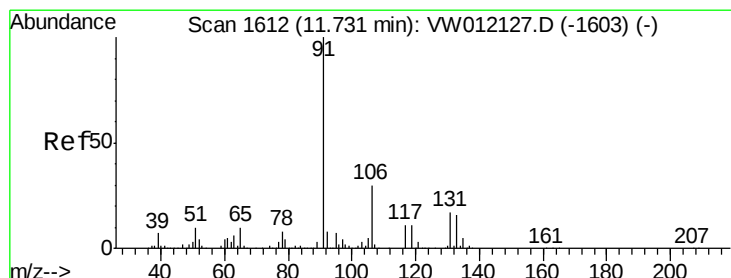
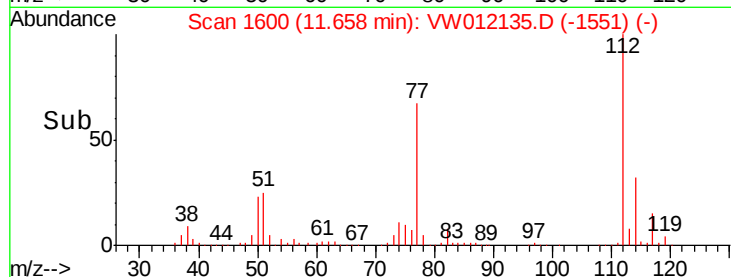
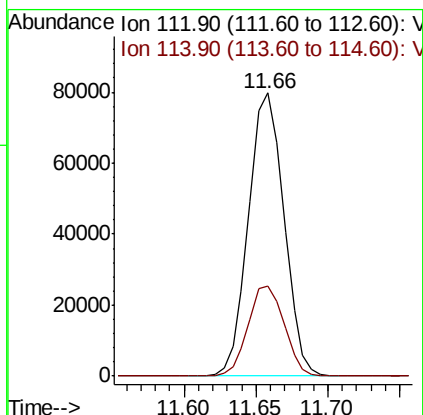
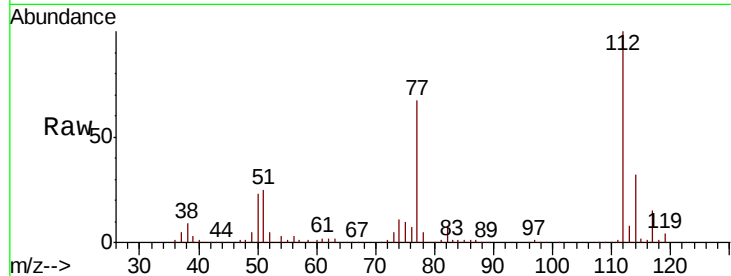




#65
Chlorobenzene
Concen: 19.979 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

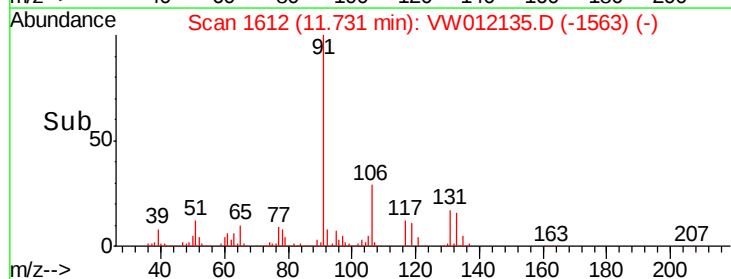
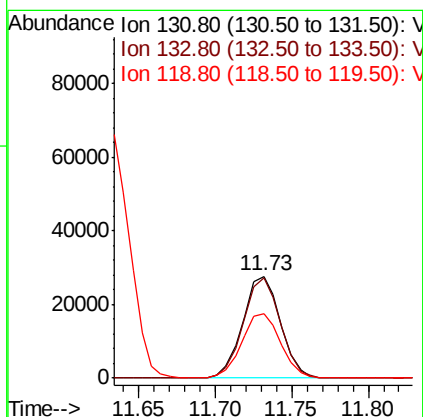
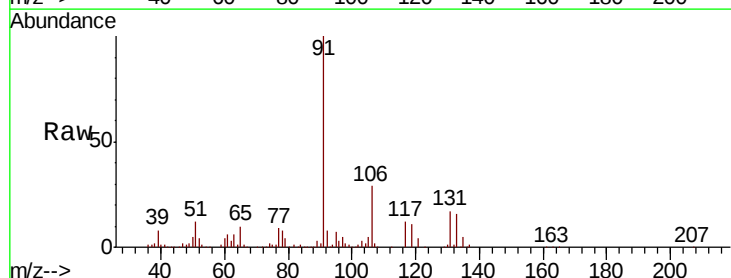
Instrument :
MSVOA_W
ClientSampleId :
VW0823SBSD01

Tgt Ion:112 Resp: 136115
Ion Ratio Lower Upper
112 100
114 32.0 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 19.925 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

Tgt Ion:131 Resp: 47358
Ion Ratio Lower Upper
131 100
133 96.6 47.1 141.3
119 65.9 31.8 95.3





#67

Ethyl Benzene

Concen: 19.925 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW012135.D

Acq: 23 Aug 2019 16:23

Instrument :

MSVOA_W

ClientSampleId :

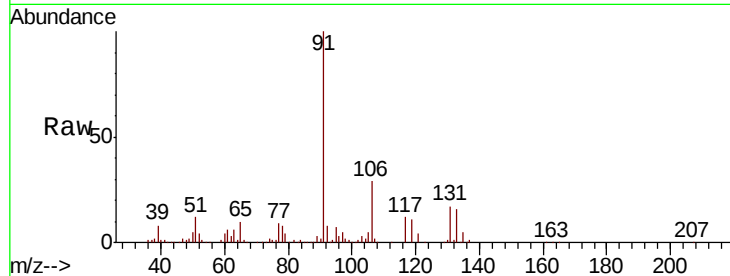
VW0823SBSD01

Tgt Ion: 91 Resp: 261504

Ion Ratio Lower Upper

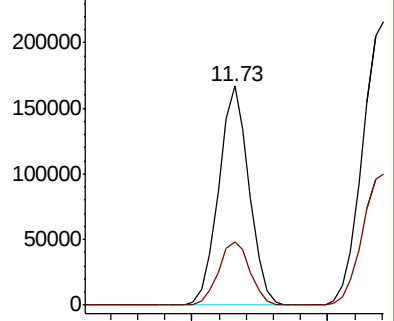
91 100

106 29.1 24.3 36.5

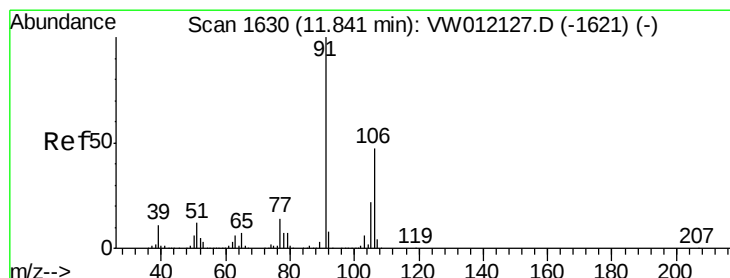
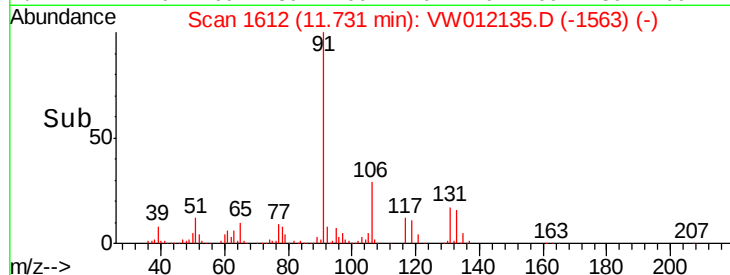


Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



Time-->



#68

m/p-Xylenes

Concen: 40.314 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW012135.D

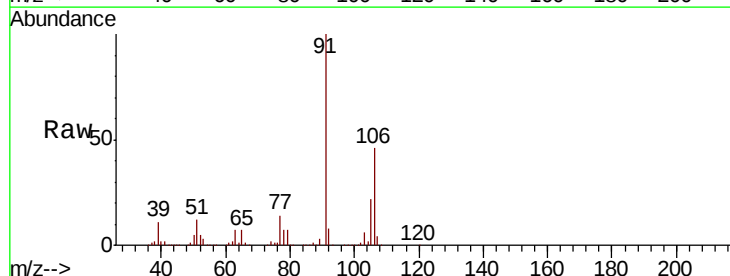
Acq: 23 Aug 2019 16:23

Tgt Ion: 106 Resp: 190581

Ion Ratio Lower Upper

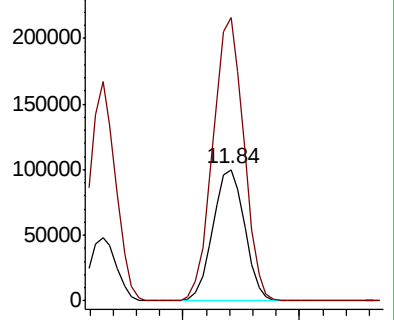
106 100

91 210.8 169.5 254.3

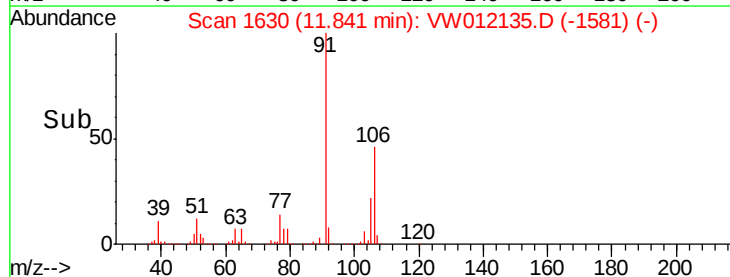


Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



Time-->

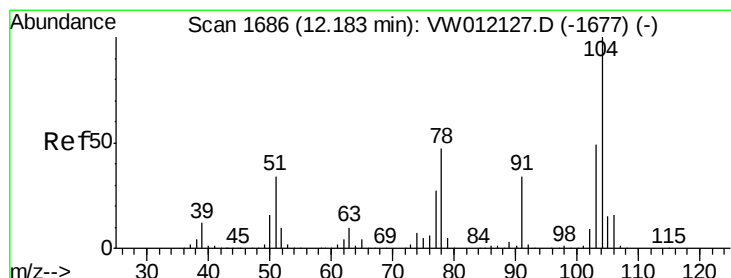
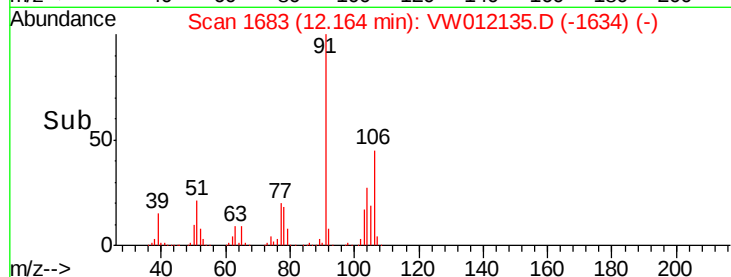
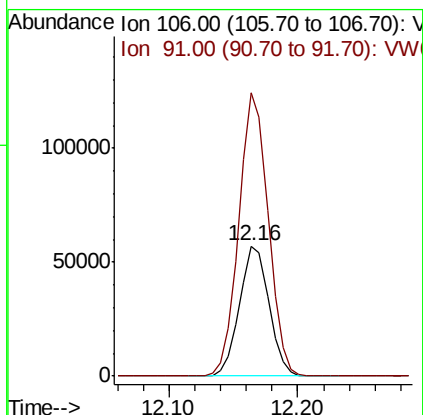
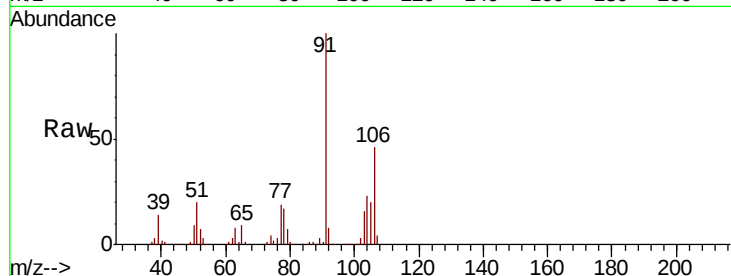




#69
o-Xylene
Concen: 20.646 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

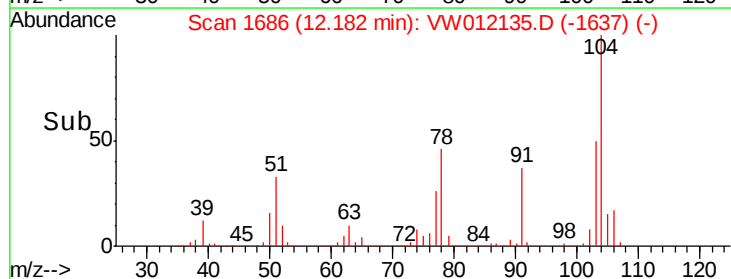
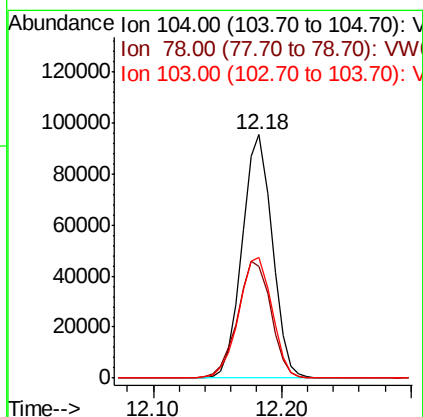
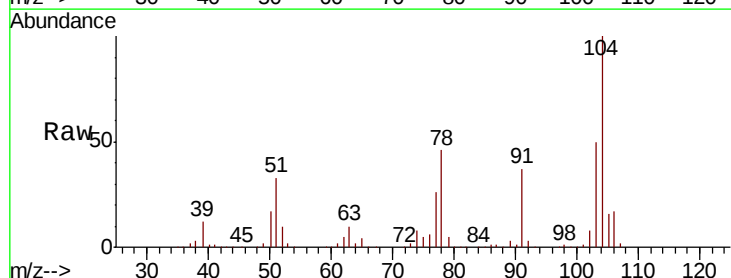
Instrument :
MSVOA_W
ClientSampleId :
VW0823SBSD01

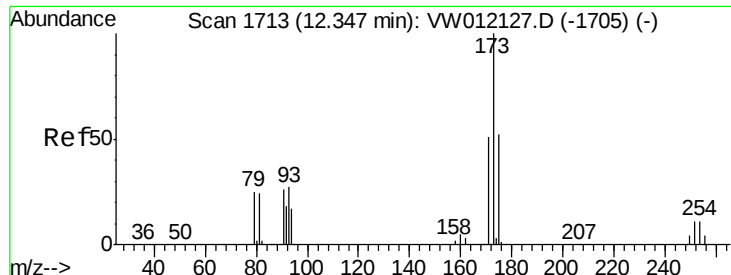
Tgt Ion:106 Resp: 90334
Ion Ratio Lower Upper
106 100
91 217.6 111.6 334.6



#70
Styrene
Concen: 20.365 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

Tgt Ion:104 Resp: 154232
Ion Ratio Lower Upper
104 100
78 53.9 43.1 64.7
103 55.0 43.5 65.3

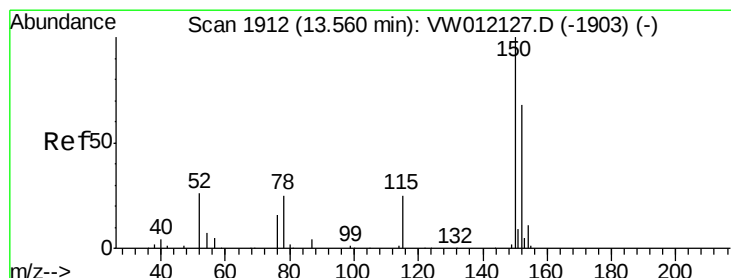
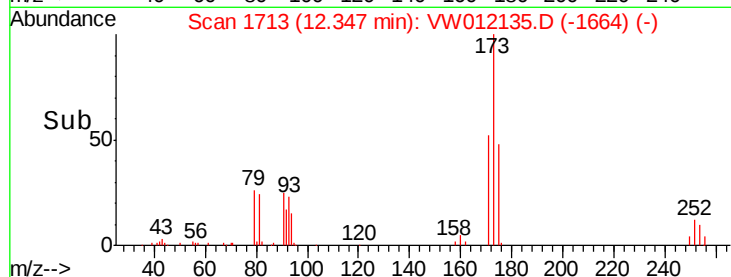
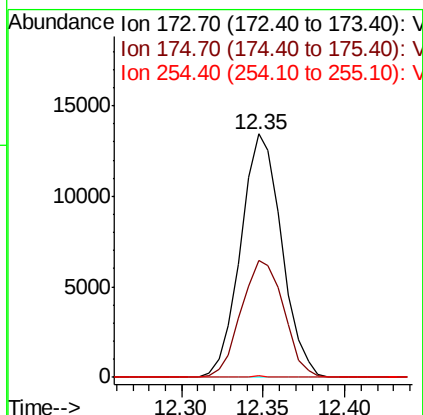
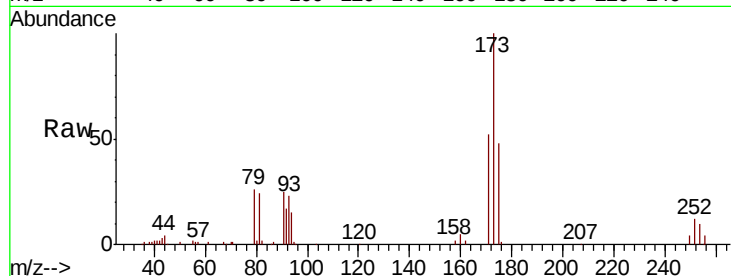




#71
Bromoform
Concen: 19.816 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

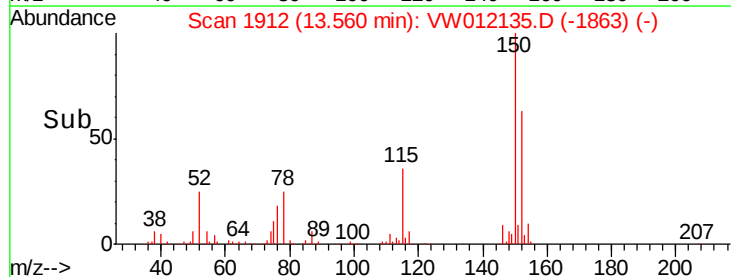
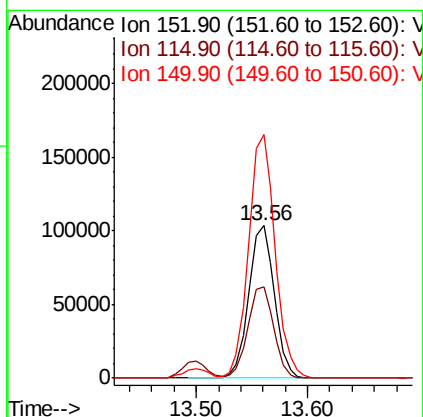
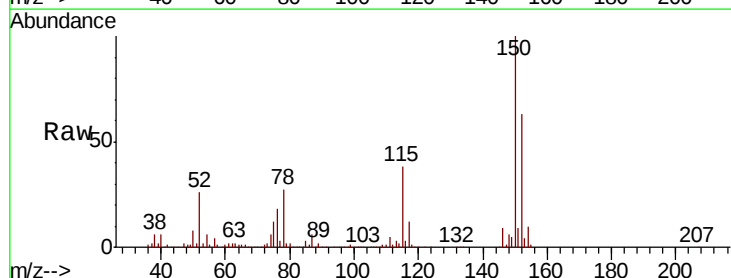
Instrument :
MSVOA_W
ClientSampleId :
VW0823SBSD01

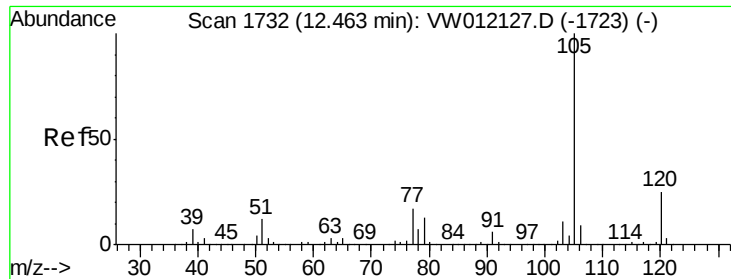
Tgt Ion:173 Resp: 23466
Ion Ratio Lower Upper
173 100
175 49.9 24.6 74.0
254 0.1 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

Tgt Ion:152 Resp: 165782
Ion Ratio Lower Upper
152 100
115 60.3 30.1 90.3
150 164.8 0.0 345.8





#73

Isopropylbenzene

Concen: 20.210 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012135.D

Acq: 23 Aug 2019 16:23

Instrument :

MSVOA_W

ClientSampleId :

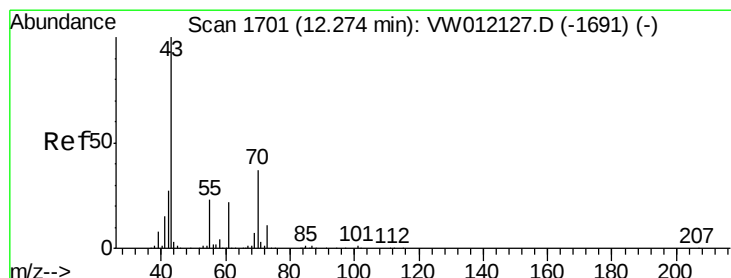
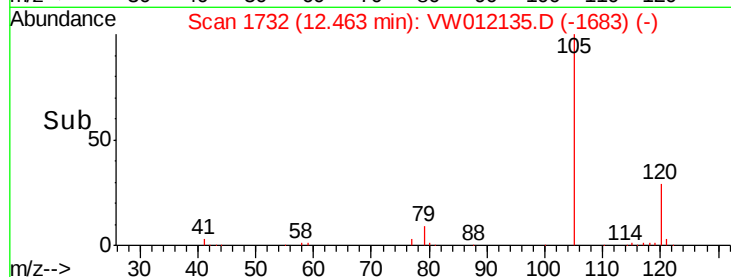
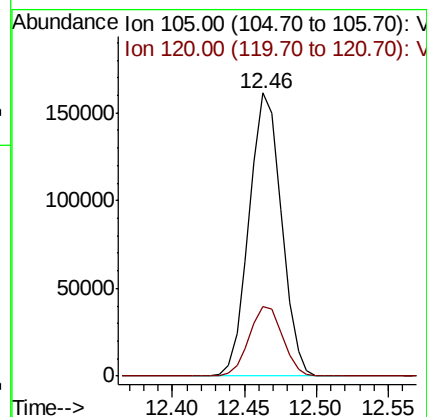
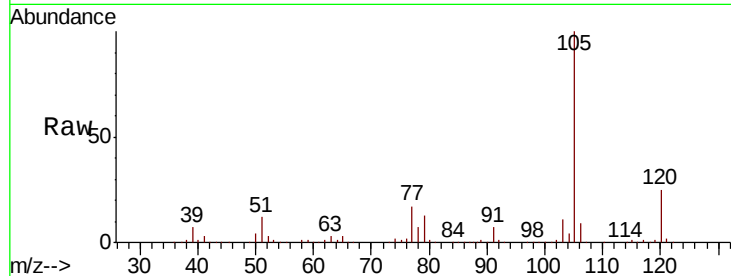
VW0823SBSD01

Tgt Ion: 105 Resp: 251053

Ion Ratio Lower Upper

105 100

120 25.3 12.5 37.5



#74

N-ethyl acetate

Concen: 20.722 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012135.D

Acq: 23 Aug 2019 16:23

Tgt Ion: 43 Resp: 77772

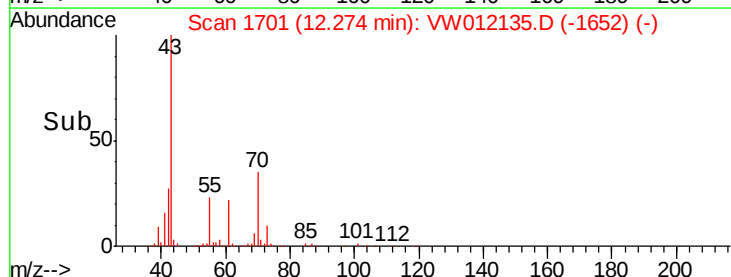
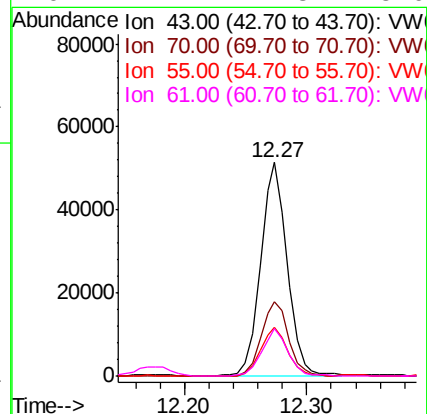
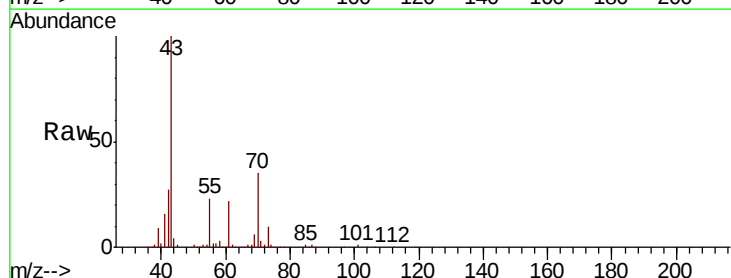
Ion Ratio Lower Upper

43 100

70 35.5 28.6 43.0

55 23.1 17.8 26.6

61 21.7 17.3 25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 21.012 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012135.D

Acq: 23 Aug 2019 16:23

Instrument :

MSVOA_W

ClientSampleId :

VW0823SBSD01

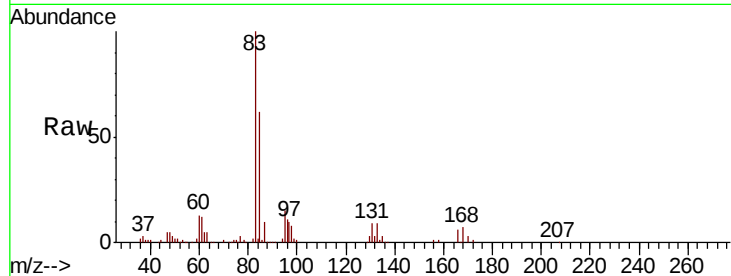
Tgt Ion: 83 Resp: 47852

Ion Ratio Lower Upper

83 100

131 9.7 4.9 14.7

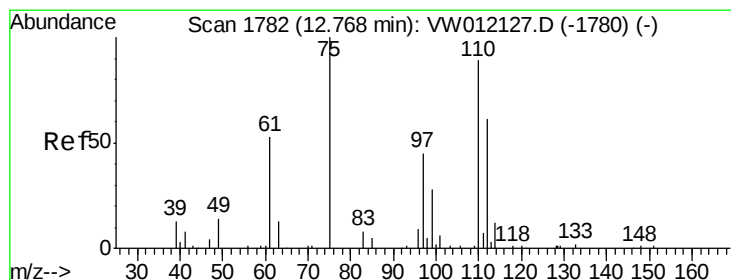
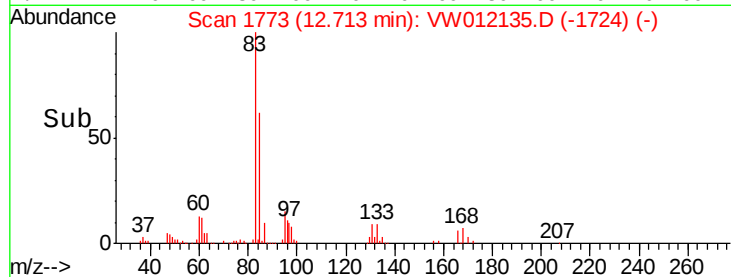
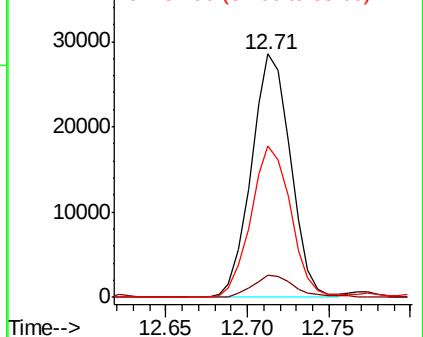
85 63.0 31.9 95.7



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: 39.363 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW012135.D

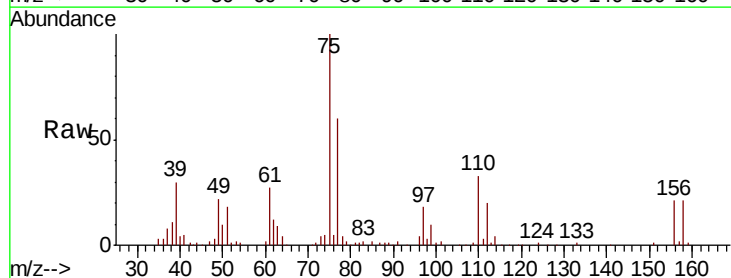
Acq: 23 Aug 2019 16:23

Tgt Ion: 75 Resp: 63556

Ion Ratio Lower Upper

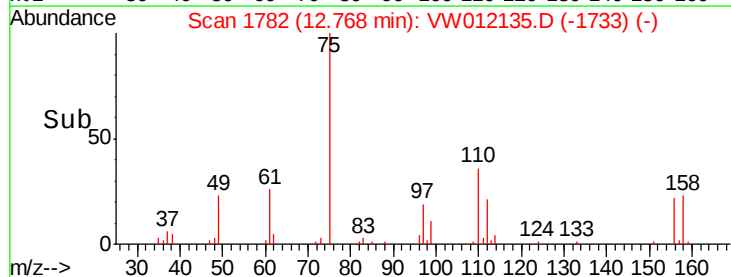
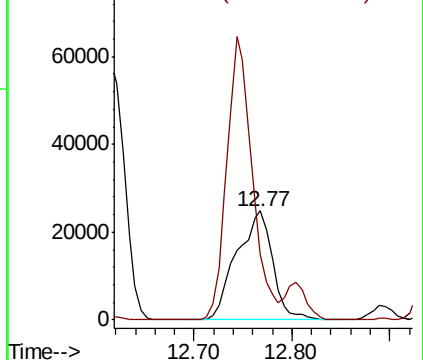
75 100

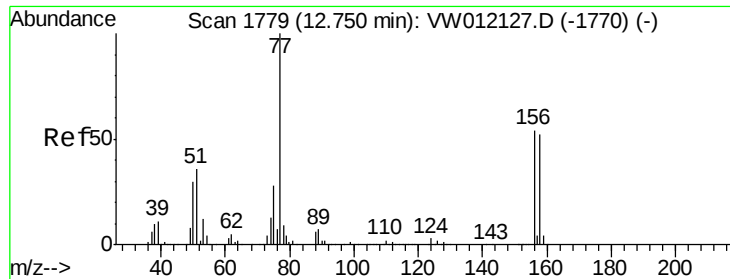
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

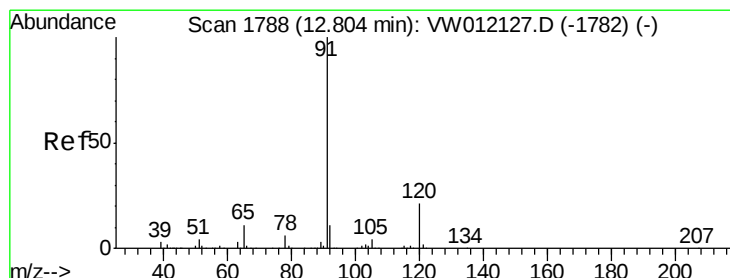
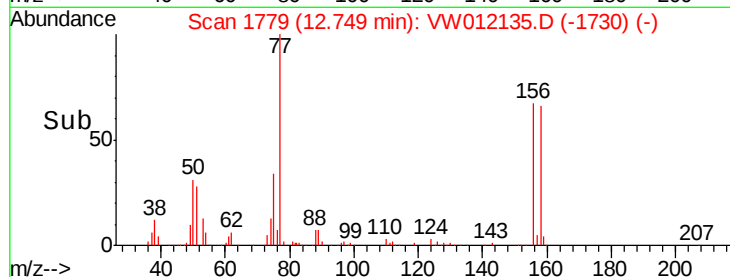
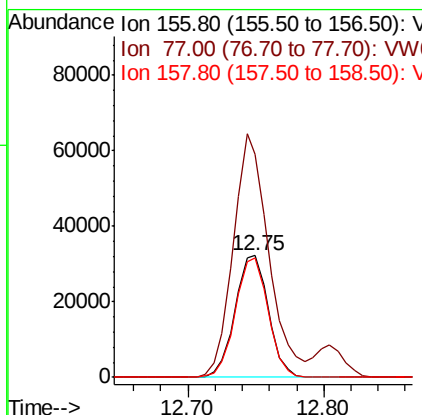
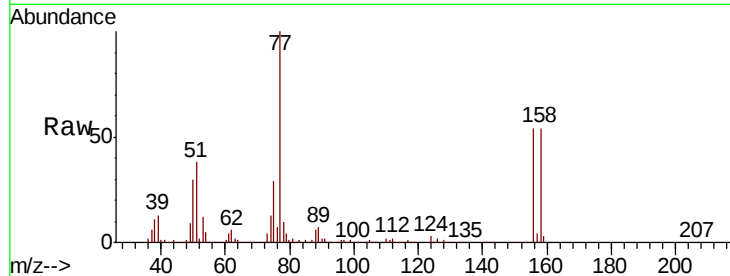




#77
Bromobenzene
Concen: 20.479 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

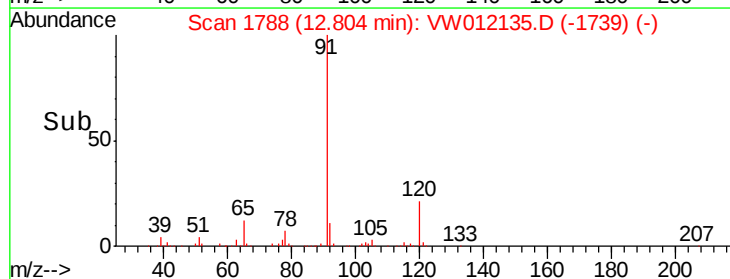
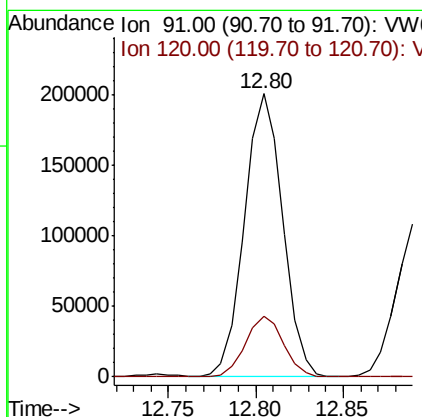
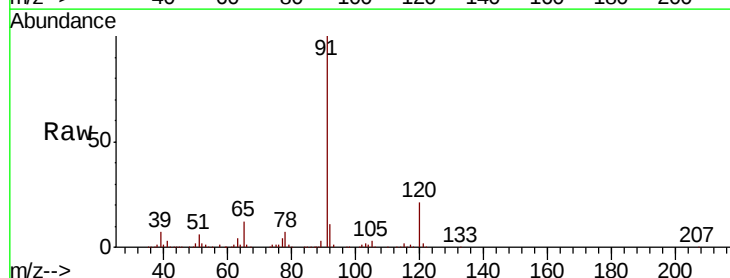
Instrument :
MSVOA_W
ClientSampleId :
VW0823SBSD01

Tgt Ion: 156 Resp: 55037
Ion Ratio Lower Upper
156 100
77 212.8 107.3 321.8
158 96.2 49.0 147.0



#78
n-propylbenzene
Concen: 20.235 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

Tgt Ion: 91 Resp: 306862
Ion Ratio Lower Upper
91 100
120 21.5 10.5 31.6





#79

2-Chlorotoluene

Concen: 20.205 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012135.D

Acq: 23 Aug 2019 16:23

Instrument :

MSVOA_W

ClientSampleId :

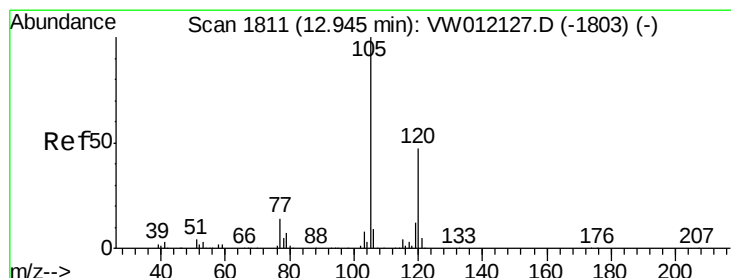
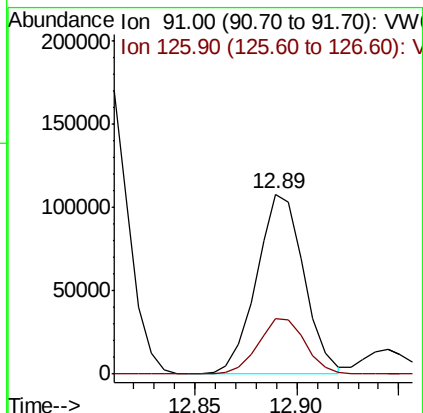
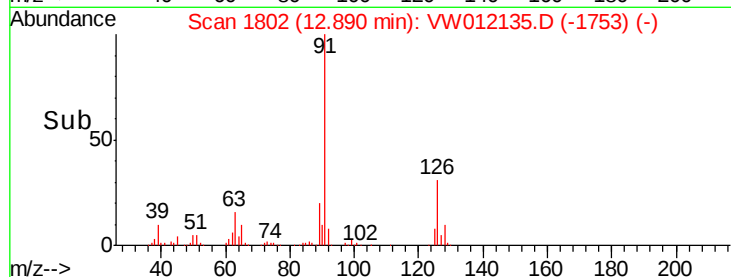
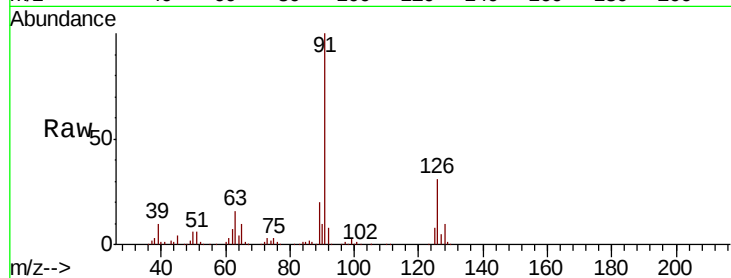
VW0823SBSD01

Tgt Ion: 91 Resp: 173960

Ion Ratio Lower Upper

91 100

126 31.1 15.7 47.0



#80

1,3,5-Trimethylbenzene

Concen: 20.332 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012135.D

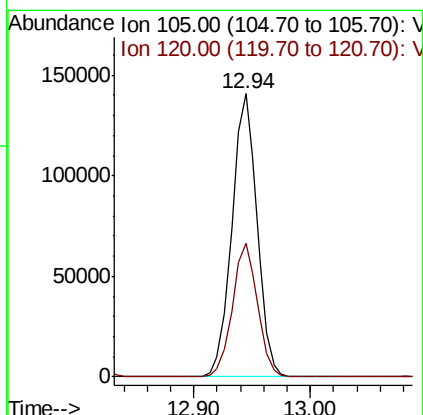
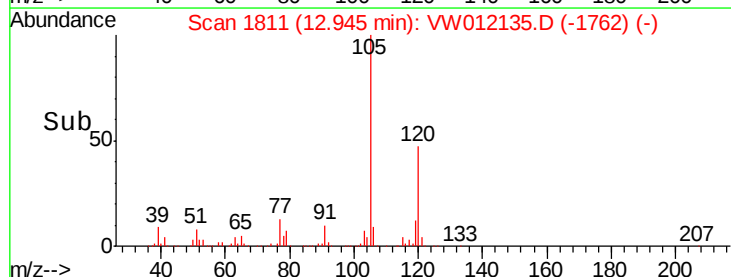
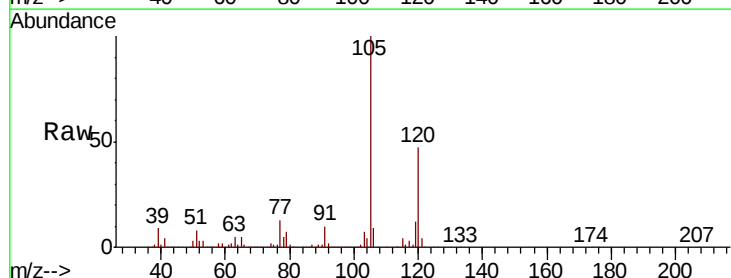
Acq: 23 Aug 2019 16:23

Tgt Ion: 105 Resp: 211049

Ion Ratio Lower Upper

105 100

120 47.1 24.0 72.0

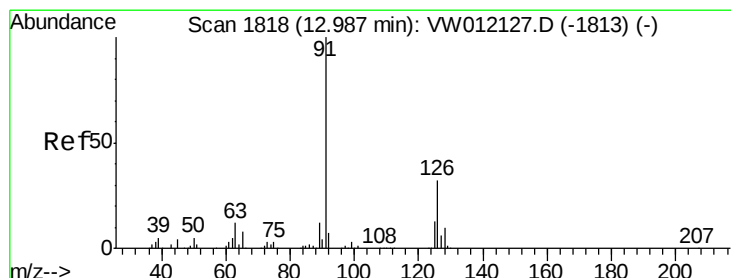
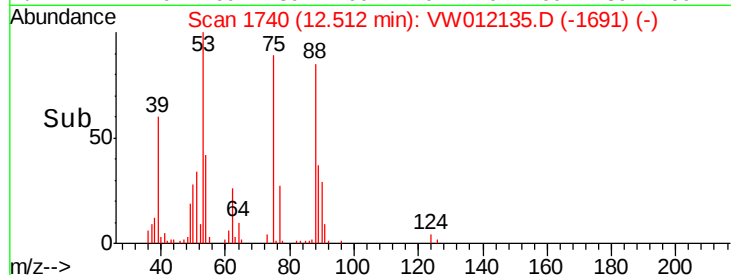
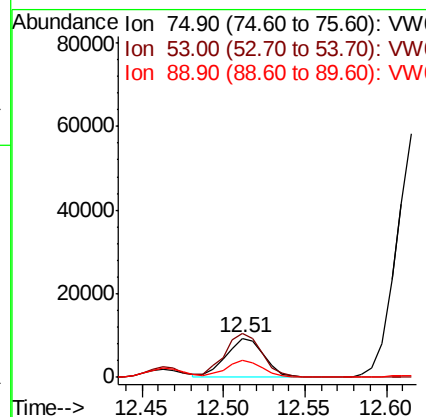
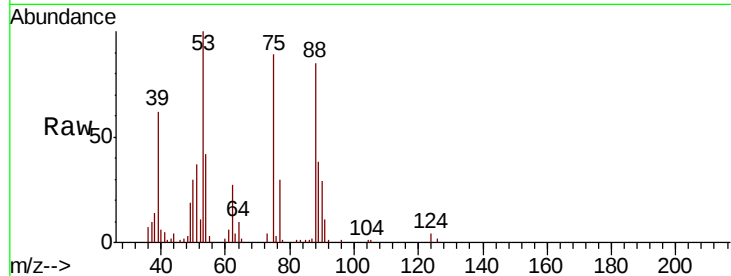




#81
trans-1,4-Dichloro-2-butene
Concen: 20.696 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

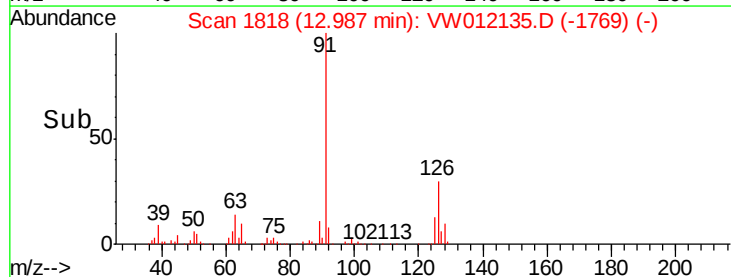
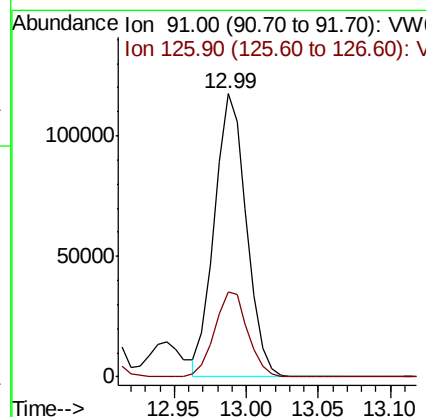
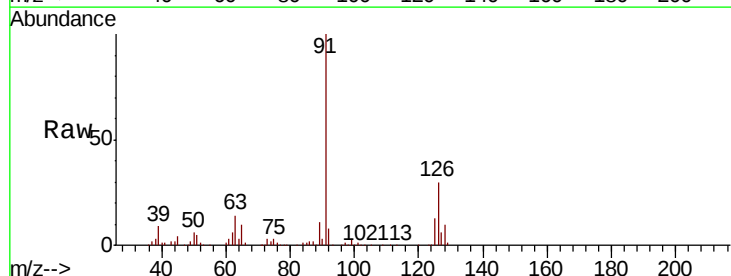
Instrument :
MSVOA_W
ClientSampleId :
VW0823SBSD01

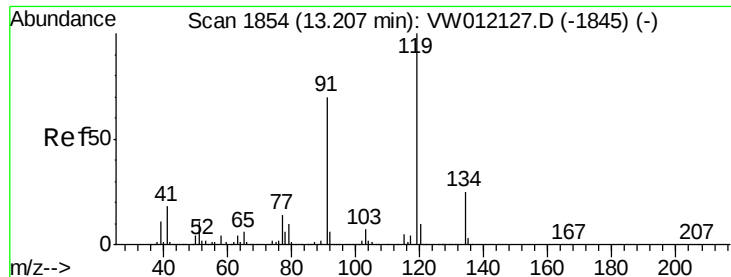
Tgt Ion: 75 Resp: 15241
Ion Ratio Lower Upper
75 100
53 110.2 89.4 134.0
89 41.2 34.5 51.7



#82
4-Chlorotoluene
Concen: 20.153 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

Tgt Ion: 91 Resp: 181684
Ion Ratio Lower Upper
91 100
126 31.3 15.6 46.8

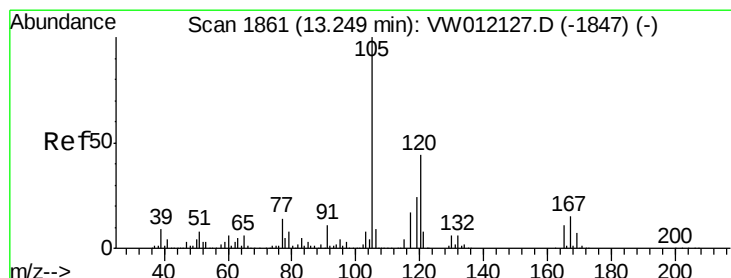
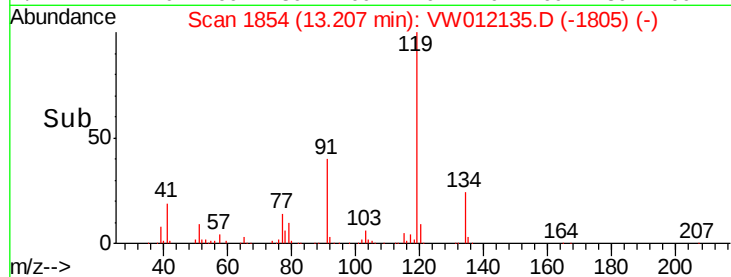
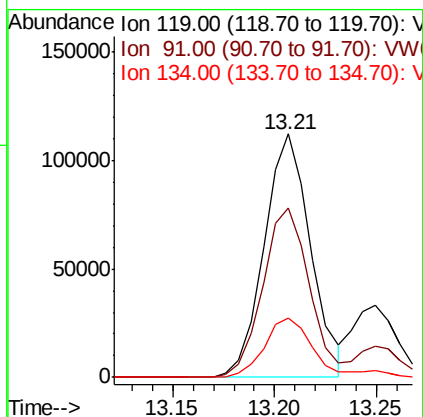
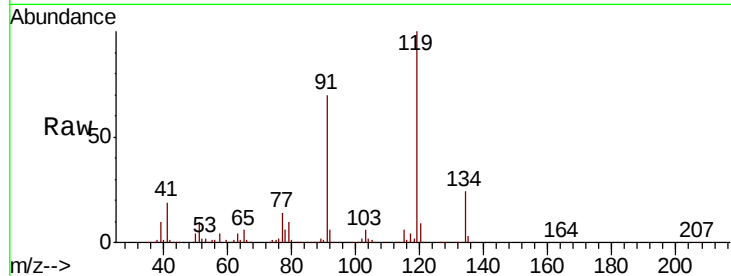




#83
tert-Butylbenzene
Concen: 20.255 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

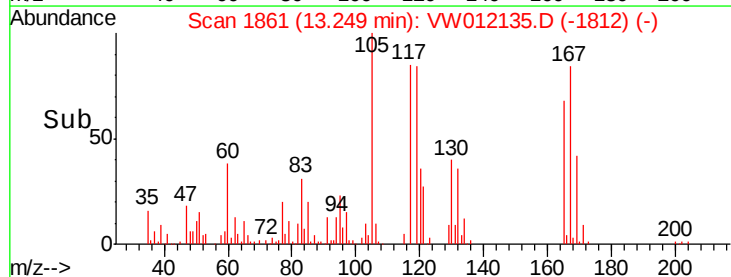
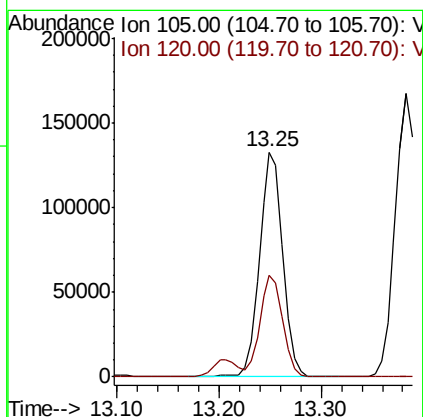
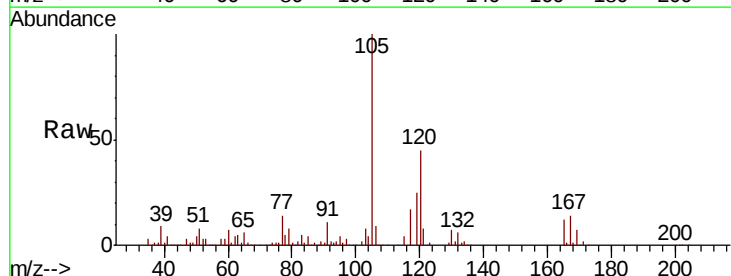
Instrument :
MSVOA_W
ClientSampleId :
VW0823SBSD01

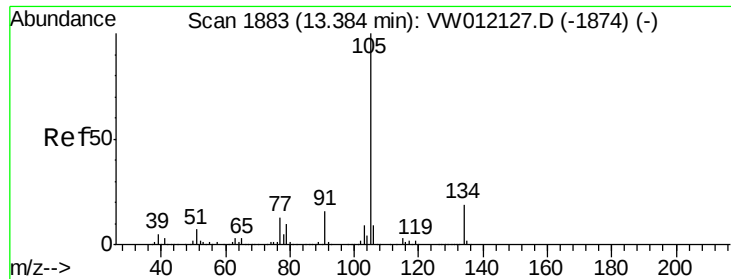
Tgt Ion:119 Resp: 178101
Ion Ratio Lower Upper
119 100
91 69.6 34.8 104.3
134 24.7 13.3 39.8



#84
1,2,4-Trimethylbenzene
Concen: 20.232 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

Tgt Ion:105 Resp: 210956
Ion Ratio Lower Upper
105 100
120 44.2 21.9 65.7

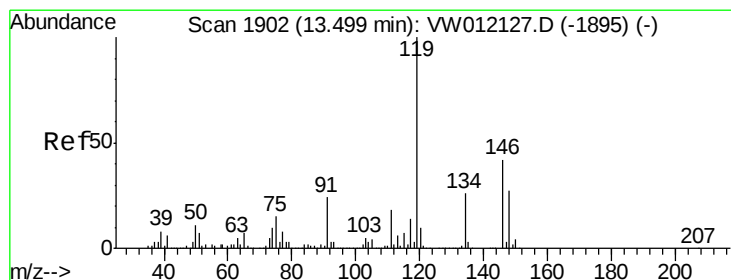
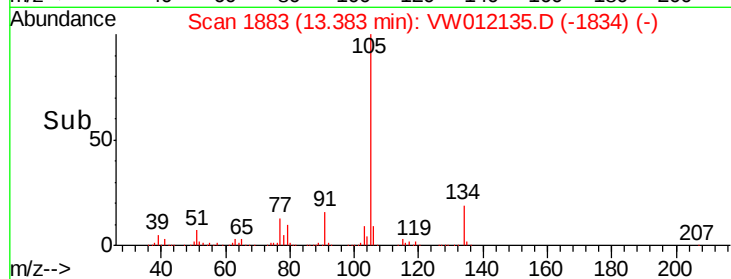
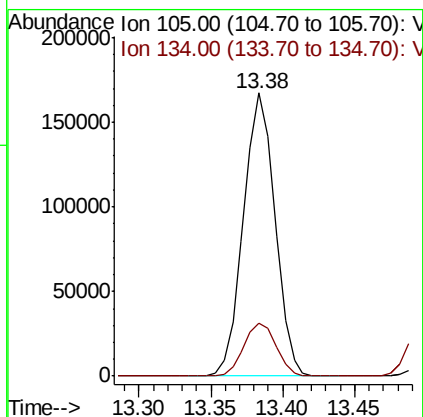
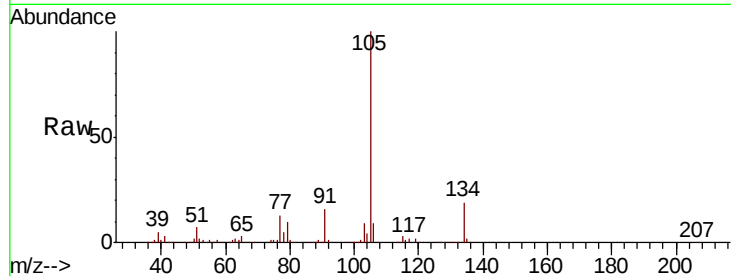




#85
 sec-Butylbenzene
 Concen: 20.168 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012135.D
 Acq: 23 Aug 2019 16:23

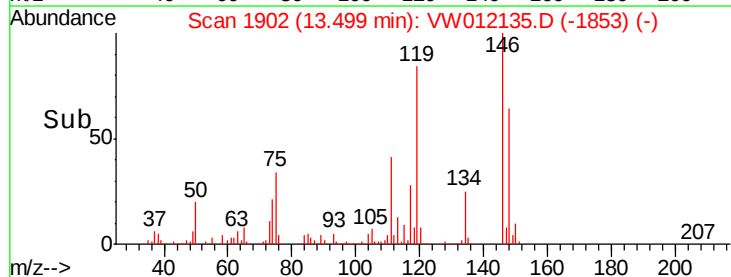
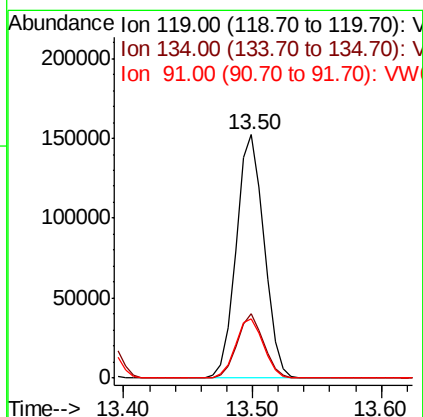
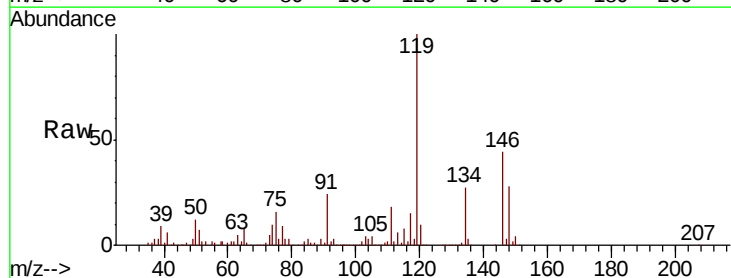
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0823SBSD01

Tgt Ion:105 Resp: 254055
 Ion Ratio Lower Upper
 105 100
 134 19.3 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 20.205 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012135.D
 Acq: 23 Aug 2019 16:23

Tgt Ion:119 Resp: 227308
 Ion Ratio Lower Upper
 119 100
 134 25.3 12.8 38.3
 91 24.8 12.3 36.9

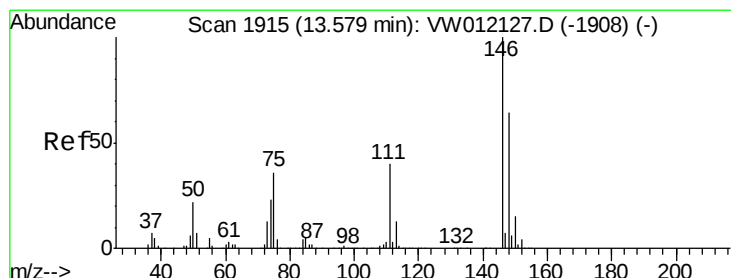
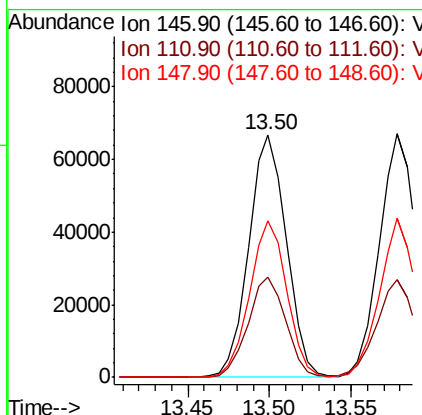
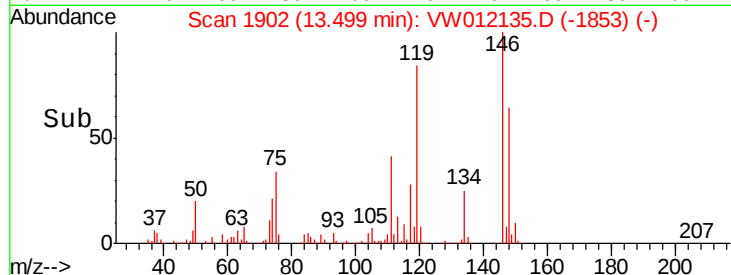
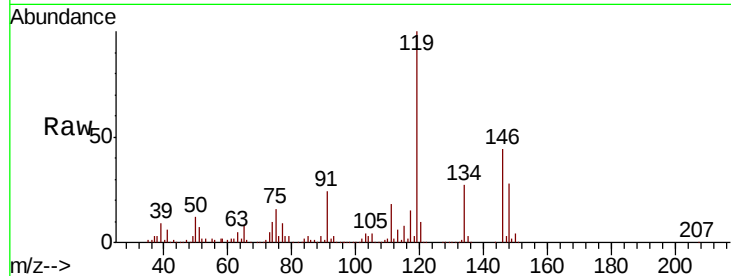




#87
 1,3-Dichlorobenzene
 Concen: 20.412 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012135.D
 Acq: 23 Aug 2019 16:23

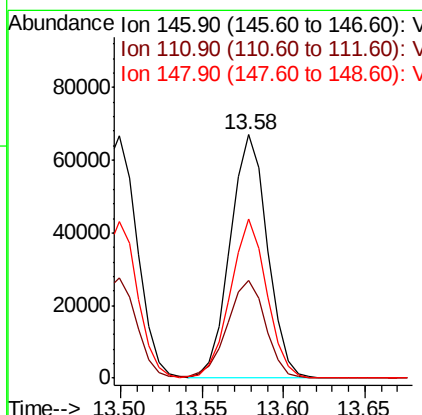
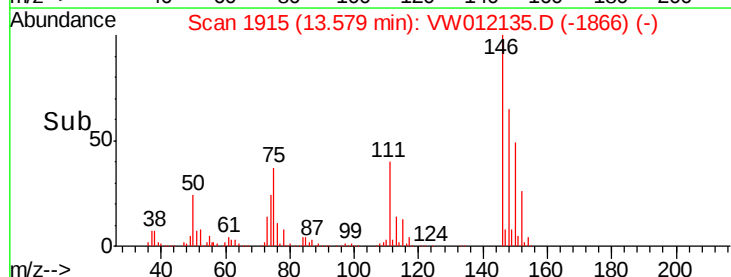
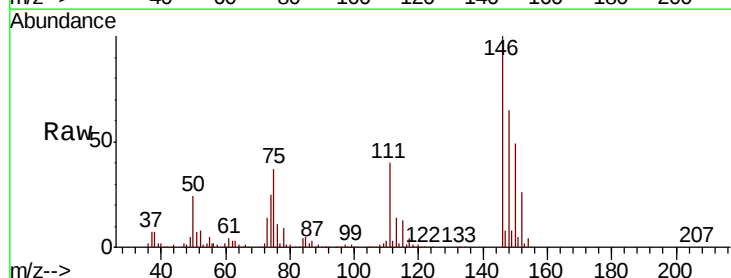
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0823SBS01

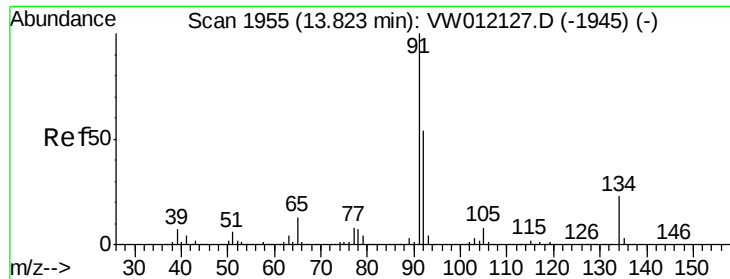
Tgt Ion:146 Resp: 107295
 Ion Ratio Lower Upper
 146 100
 111 41.6 20.9 62.7
 148 63.5 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 20.442 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012135.D
 Acq: 23 Aug 2019 16:23

Tgt Ion:146 Resp: 106693
 Ion Ratio Lower Upper
 146 100
 111 41.3 20.0 60.0
 148 63.9 32.1 96.3





#89

n-Butylbenzene

Concen: 19.996 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012135.D

Acq: 23 Aug 2019 16:23

Instrument :

MSVOA_W

ClientSampleId :

VW0823SBSD01

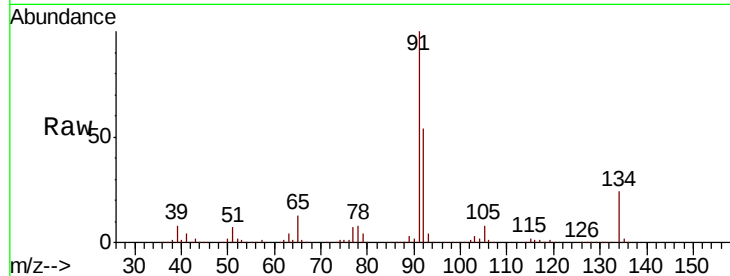
Tgt Ion: 91 Resp: 223709

Ion Ratio Lower Upper

91 100

92 54.3 27.1 81.2

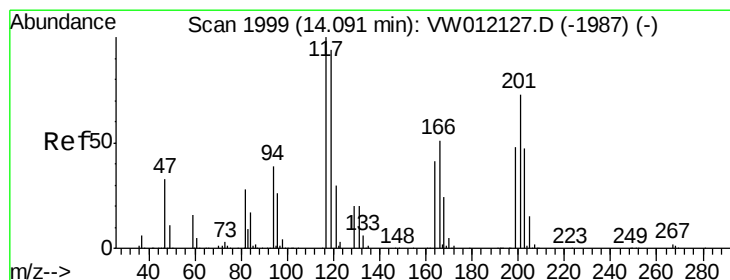
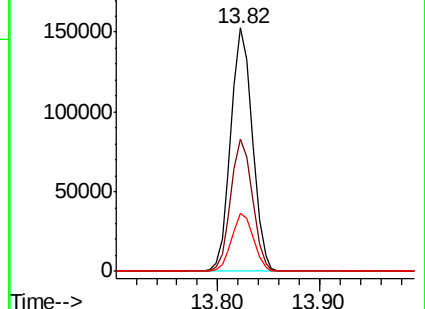
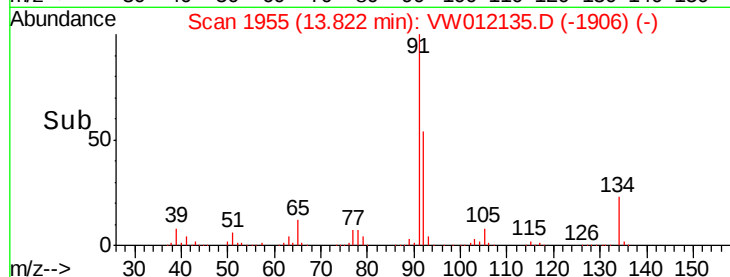
134 23.9 12.2 36.4



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: 19.717 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW012135.D

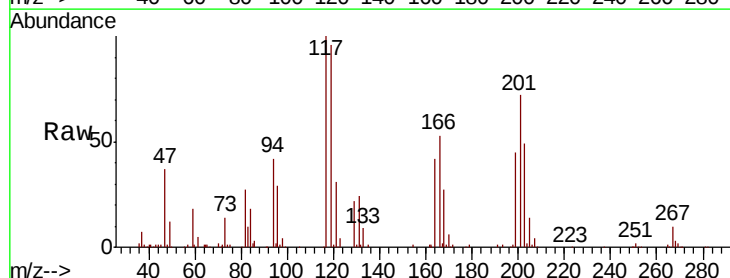
Acq: 23 Aug 2019 16:23

Tgt Ion: 117 Resp: 38916

Ion Ratio Lower Upper

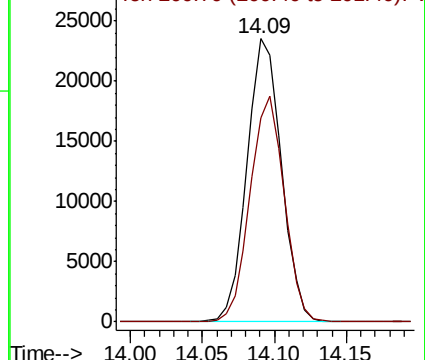
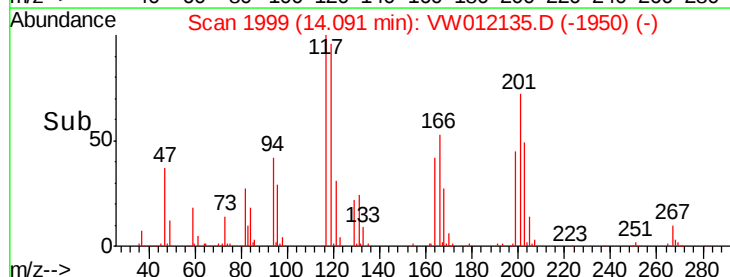
117 100

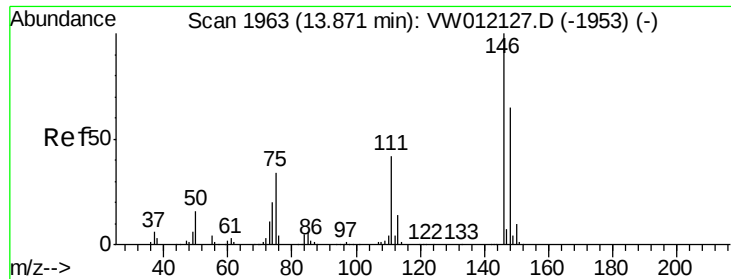
201 78.9 38.6 115.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 20.735 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW012135.D

Acq: 23 Aug 2019 16:23

Instrument :

MSVOA_W

ClientSampleId :

VW0823SBS01

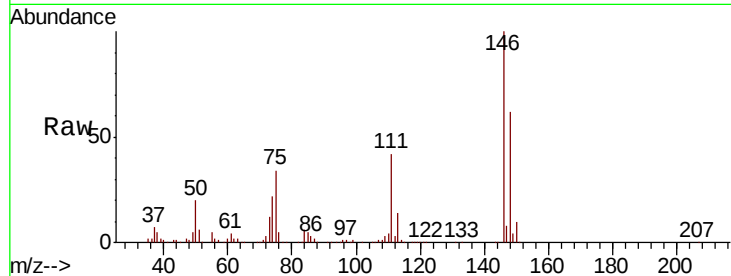
Tgt Ion:146 Resp: 95617

Ion Ratio Lower Upper

146 100

111 42.8 21.2 63.6

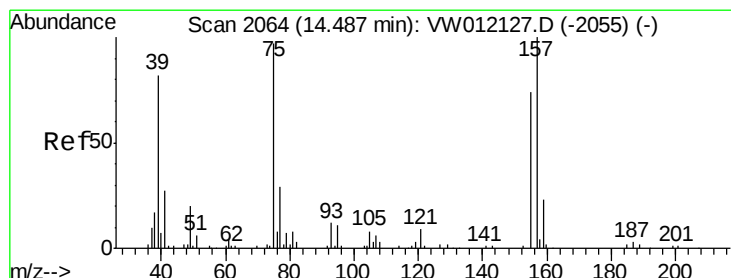
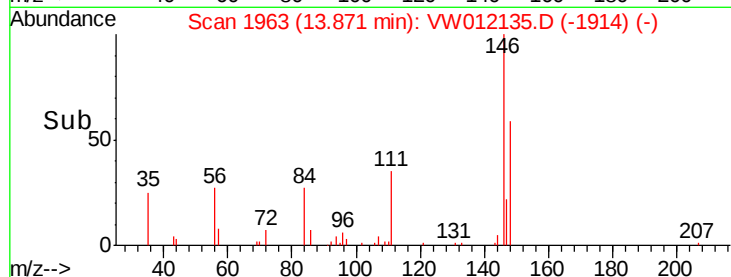
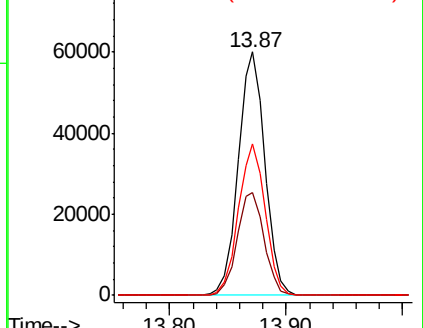
148 62.7 32.5 97.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.796 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW012135.D

Acq: 23 Aug 2019 16:23

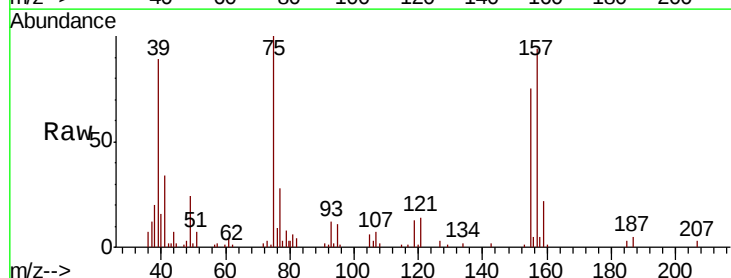
Tgt Ion: 75 Resp: 7984

Ion Ratio Lower Upper

75 100

155 75.3 37.5 112.3

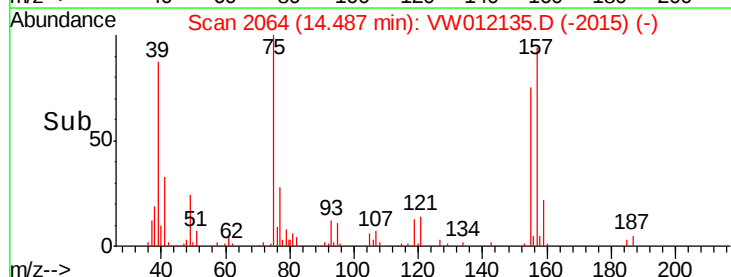
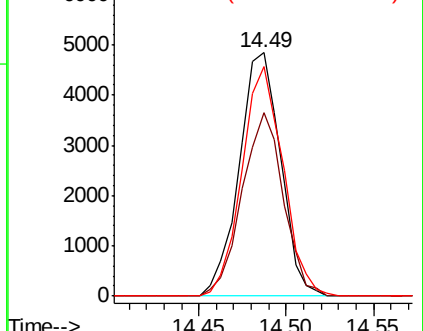
157 93.2 50.5 151.5

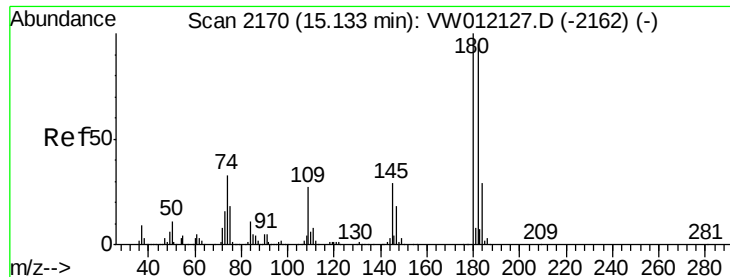


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

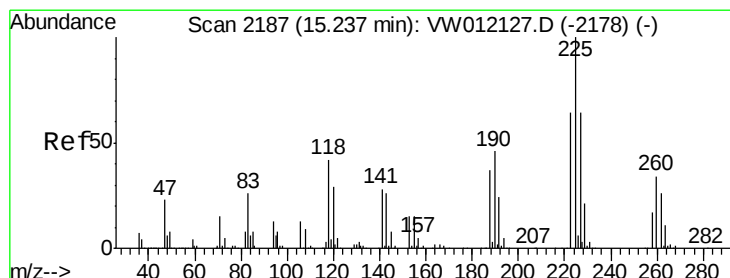
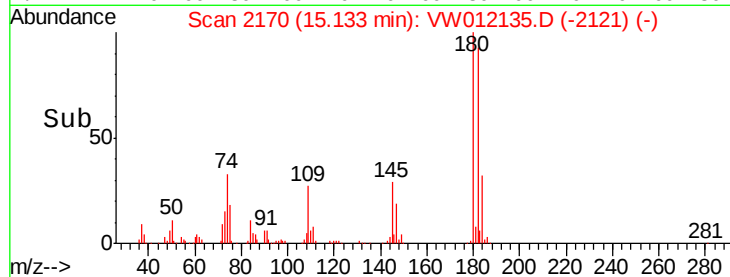
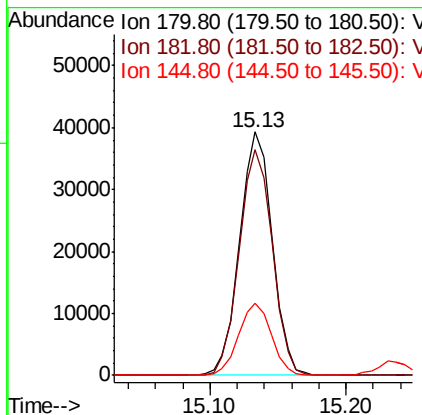
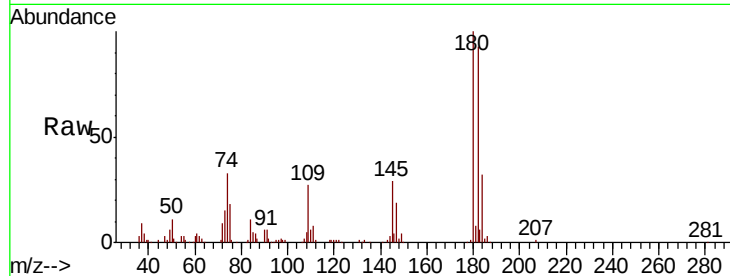




#93
 1,2,4-Trichlorobenzene
 Concen: 20.692 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012135.D
 Acq: 23 Aug 2019 16:23

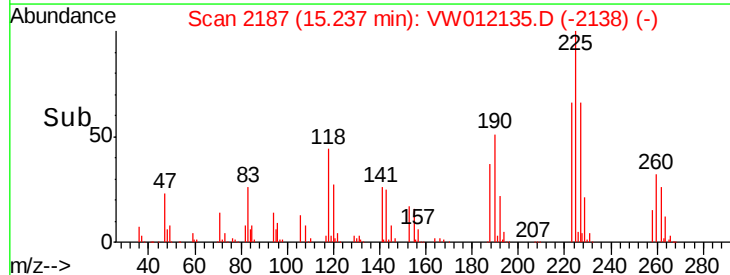
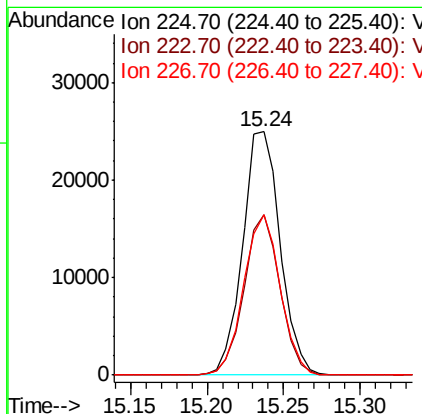
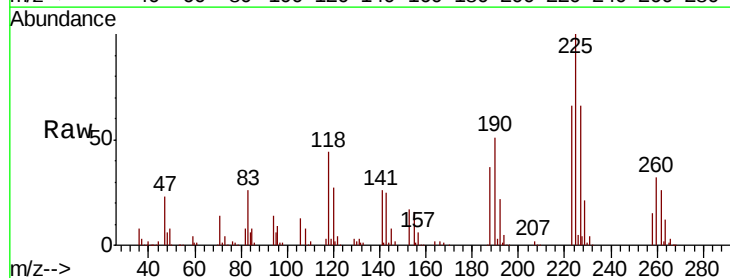
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0823SBSD01

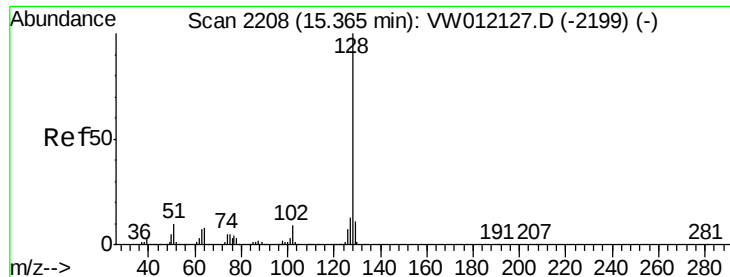
Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.8	143.4
145	29.7	15.0	45.1



#94
 Hexachlorobutadiene
 Concen: 20.256 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012135.D
 Acq: 23 Aug 2019 16:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	32.3	96.8
227	64.3	32.9	98.6

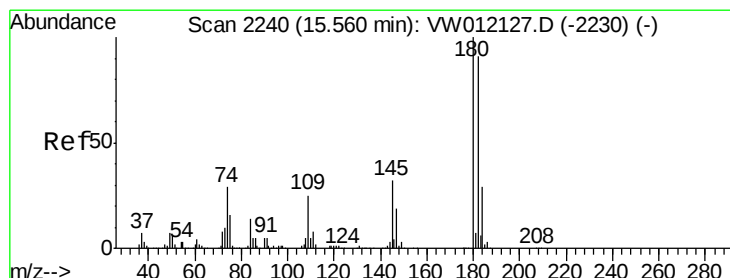
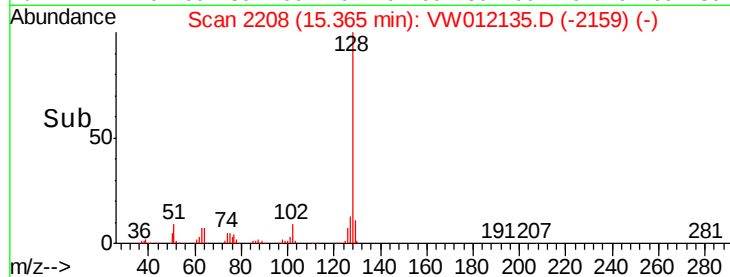
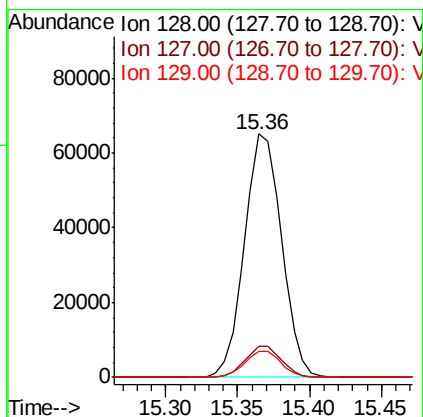
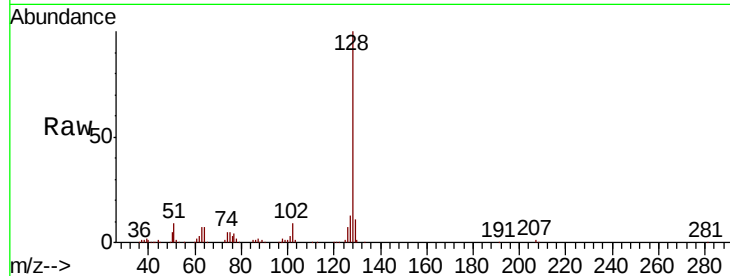




#95
Naphthalene
Concen: 21.301 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

Instrument :
MSVOA_W
ClientSampleId :
VW0823SBSD01

Tgt Ion:128 Resp: 116226
Ion Ratio Lower Upper
128 100
127 12.9 10.7 16.1
129 10.7 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 20.549 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

Tgt Ion:180 Resp: 57133
Ion Ratio Lower Upper
180 100
182 96.2 47.1 141.3
145 32.6 16.2 48.5

