

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082919\
 Data File : VW012320.D
 Acq On : 29 Aug 2019 23:48
 Operator : SY/VA
 Sample : VW0829SBS02
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS02

Quant Time: Aug 30 06:53:16 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	207415	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	344379	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	301648	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	145417	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	131098	53.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.34%	
35) Dibromofluoromethane	7.88	113	104588	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	
50) Toluene-d8	10.32	98	421857	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	
62) 4-Bromofluorobenzene	12.62	95	149962	51.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	21375	16.737	ug/l	96
3) Chloromethane	2.21	50	36801	18.599	ug/l	98
4) Vinyl Chloride	2.36	62	44233	18.265	ug/l	98
5) Bromomethane	2.74	94	20823	16.978	ug/l	89
6) Chloroethane	2.90	64	26221	19.193	ug/l	99
7) Trichlorofluoromethane	3.25	101	21216	17.447	ug/l	100
8) Diethyl Ether	3.68	74	25371	21.980	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	39635	19.175	ug/l	99
10) Methyl Iodide	4.26	142	56141	20.074	ug/l	99
11) Tert butyl alcohol	5.17	59	18345	123.634	ug/l	100
12) 1,1-Dichloroethene	4.03	96	39477	18.975	ug/l	95
13) Acrolein	3.89	56	12781	91.505	ug/l	98
14) Allyl chloride	4.67	41	91337	20.536	ug/l	100
15) Acrylonitrile	5.37	53	65225	114.005	ug/l	99
16) Acetone	4.12	43	58091	92.168	ug/l	98
17) Carbon Disulfide	4.38	76	96660	15.373	ug/l	98
18) Methyl Acetate	4.67	43	39633	25.388	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	79385	23.595	ug/l	99
20) Methylene Chloride	4.92	84	53944	22.640	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	44484	19.939	ug/l	99
22) Diisopropyl ether	6.31	45	188478	22.862	ug/l	99
23) Vinyl Acetate	6.25	43	550514	108.504	ug/l	100
24) 1,1-Dichloroethane	6.21	63	97050	21.620	ug/l	100
25) 2-Butanone	7.17	43	90443	105.600	ug/l	100
26) 2,2-Dichloropropane	7.17	77	49511	19.487	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	52589	22.063	ug/l	99
28) Bromochloromethane	7.51	49	44202	22.593	ug/l	98
29) Tetrahydrofuran	7.53	42	60351	117.450	ug/l	100
30) Chloroform	7.67	83	90034	21.923	ug/l	99
31) Cyclohexane	7.95	56	79684	17.942	ug/l	93
32) 1,1,1-Trichloroethane	7.87	97	67647	20.822	ug/l	99
36) 1,1-Dichloropropene	8.08	75	68378	19.214	ug/l	99
37) Ethyl Acetate	7.25	43	42332	21.707	ug/l	99
38) Carbon Tetrachloride	8.06	117	59222	19.227	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	72435	18.118	ug/l	100
40) Benzene	8.32	78	201281	20.713	ug/l	100
41) Methacrylonitrile	7.48	41	22665	19.775	ug/l	89
42) 1,2-Dichloroethane	8.40	62	65606	21.542	ug/l	99
43) Isopropyl Acetate	8.42	43	79974	22.139	ug/l	100
44) Trichloroethene	9.09	130	48317	20.454	ug/l	99
45) 1,2-Dichloropropane	9.37	63	55802	21.337	ug/l	99
46) Dibromomethane	9.46	93	25164	21.626	ug/l	97
47) Bromodichloromethane	9.64	83	63993	20.664	ug/l	96
48) Methyl methacrylate	9.43	41	36622	21.301	ug/l	95
49) 1,4-Dioxane	9.45	88	7604	426.868	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	203613	110.821	ug/l	100
52) Toluene	10.38	92	121833	20.870	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	64647	20.493	ug/l	94
54) cis-1,3-Dichloropropene	10.07	75	79065	20.758	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	35991	21.861	ug/l	97
56) Ethyl methacrylate	10.65	69	52841	22.053	ug/l	98
57) 1,3-Dichloropropane	10.93	76	68404	21.987	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	135522	110.204	ug/l	99
59) 2-Hexanone	10.97	43	138946	106.880	ug/l	99
60) Dibromochloromethane	11.13	129	38880	21.202	ug/l	99
61) 1,2-Dibromoethane	11.23	107	33901	22.103	ug/l	98
64) Tetrachloroethene	10.86	164	39533	20.215	ug/l	98
65) Chlorobenzene	11.66	112	126443	21.288	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	44080	21.273	ug/l	99
67) Ethyl Benzene	11.73	91	237781	20.782	ug/l	98
68) m/p-Xylenes	11.83	106	171220	41.543	ug/l	99
69) o-Xylene	12.16	106	80392	21.075	ug/l	100
70) Styrene	12.18	104	139743	21.165	ug/l	99
71) Bromoform	12.35	173	21881	21.194	ug/l #	99
73) Isopropylbenzene	12.46	105	225972	20.738	ug/l	99
74) N-amyl acetate	12.27	43	71011	21.570	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	42995	21.523	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	56790	40.099	ug/l #	100
77) Bromobenzene	12.74	156	50771	21.538	ug/l	98
78) n-propylbenzene	12.80	91	271475	20.408	ug/l	99
79) 2-Chlorotoluene	12.89	91	158176	20.944	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	190583	20.932	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	12907	19.982	ug/l	99
82) 4-Chlorotoluene	12.99	91	165161	20.886	ug/l	99
83) tert-Butylbenzene	13.21	119	163566	21.208	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	191412	20.928	ug/l	100
85) sec-Butylbenzene	13.38	105	227739	20.610	ug/l	99
86) p-Isopropyltoluene	13.50	119	205153	20.790	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	97700	21.189	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	96757	21.134	ug/l	99
89) n-Butylbenzene	13.82	91	197968	20.174	ug/l	99
90) Hexachloroethane	14.09	117	35159	20.308	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	87062	21.524	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	7126	21.160	ug/l	98

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	62020	22.188	ug/l	97
94) Hexachlorobutadiene	15.24	225	38544	20.883	ug/l	99
95) Naphthalene	15.36	128	113683	23.256	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	53884	22.095	ug/l	99

(#) = 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: VW012320.D

Acq: 29 Aug 2019 23:48

Instrument :

MSVOA_W

ClientSampleId :

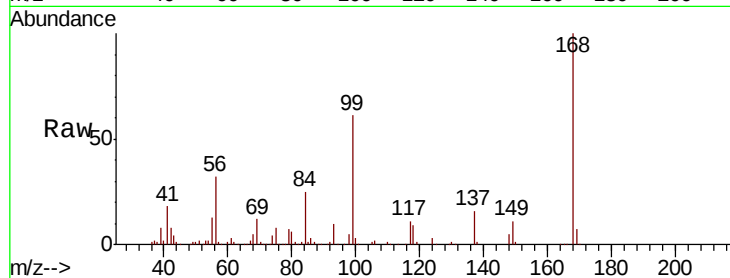
VW0829SBS02

Tgt Ion:168 Resp: 207415

Ion Ratio Lower Upper

168 100

99 61.2 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): VW012127.D (-980) (-)

Ion 98.90 (98.60 to 99.60): VW012127.D (-980) (-)

7.95

100000

80000

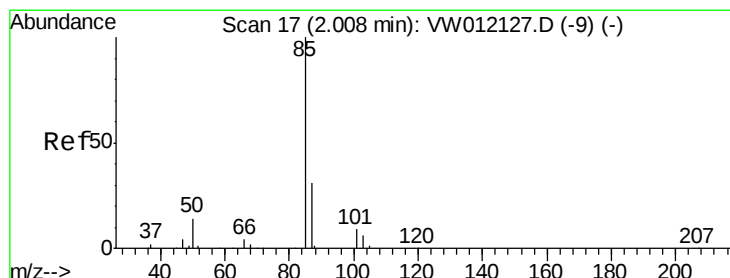
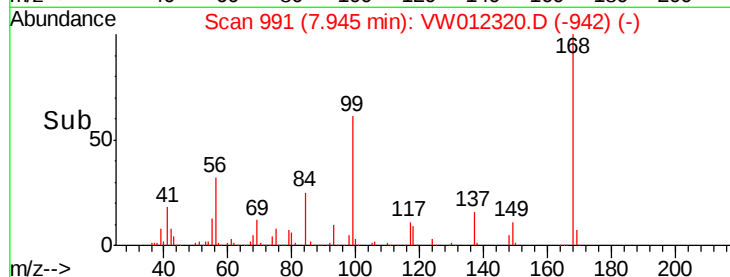
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 16.737 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012320.D

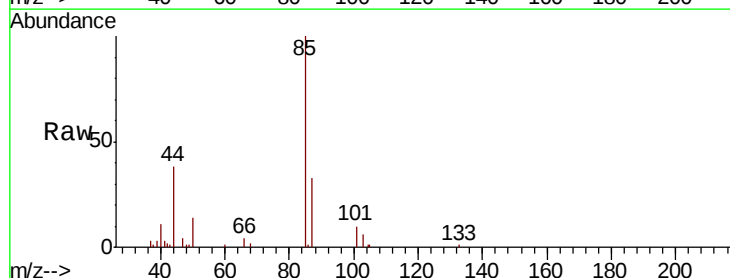
Acq: 29 Aug 2019 23:48

Tgt Ion: 85 Resp: 21375

Ion Ratio Lower Upper

85 100

87 33.1 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW012127.D (-9) (-)

Ion 86.90 (86.60 to 87.60): VW012127.D (-9) (-)

2.01

8000

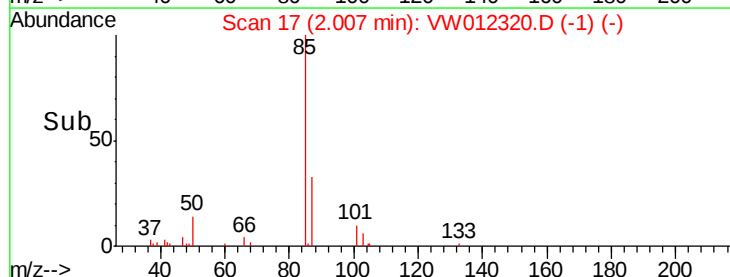
6000

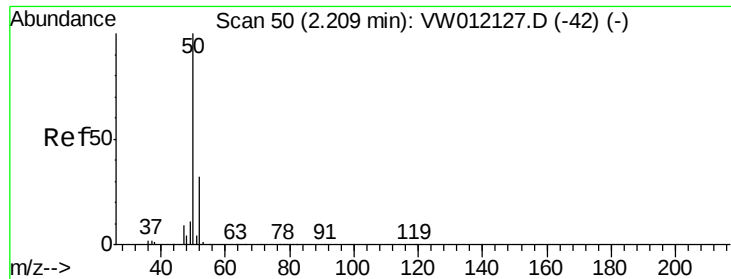
4000

2000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 18.599 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012320.D

Acq: 29 Aug 2019 23:48

Instrument :

MSVOA_W

ClientSampleId :

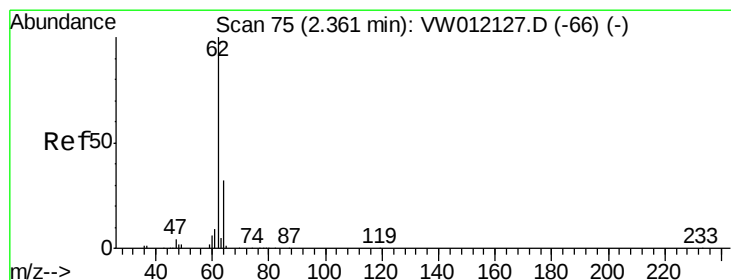
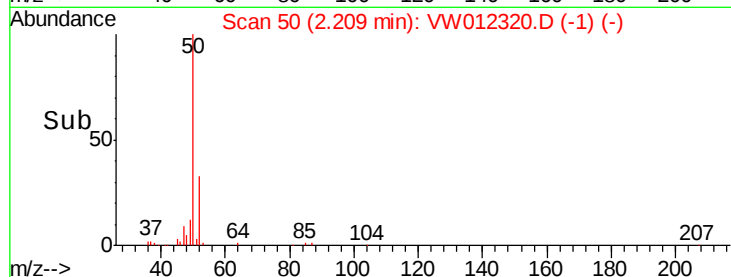
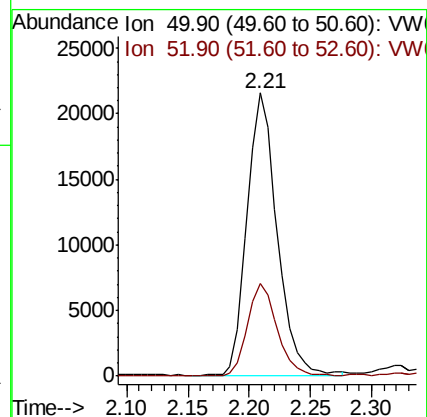
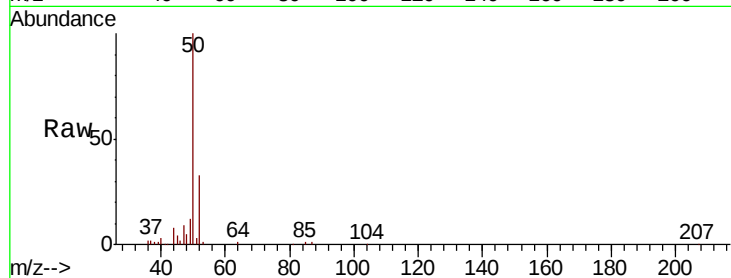
VW0829SBS02

Tgt Ion: 50 Resp: 36801

Ion Ratio Lower Upper

50 100

52 32.9 25.5 38.3



#4

Vinyl Chloride

Concen: 18.265 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012320.D

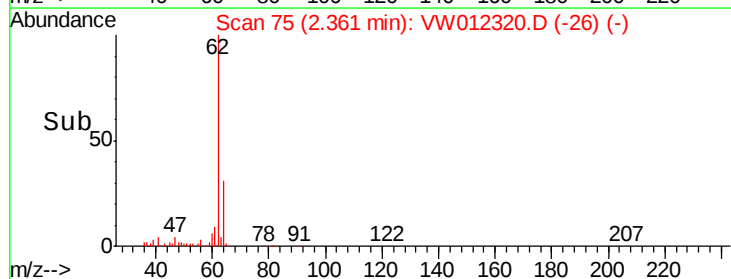
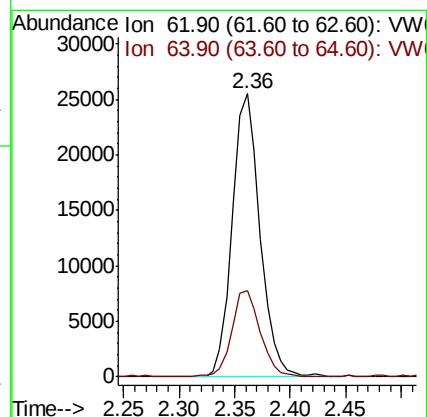
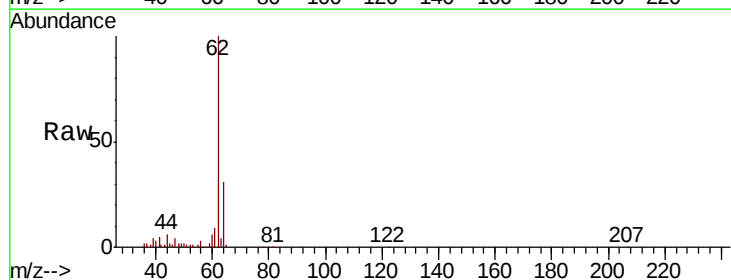
Acq: 29 Aug 2019 23:48

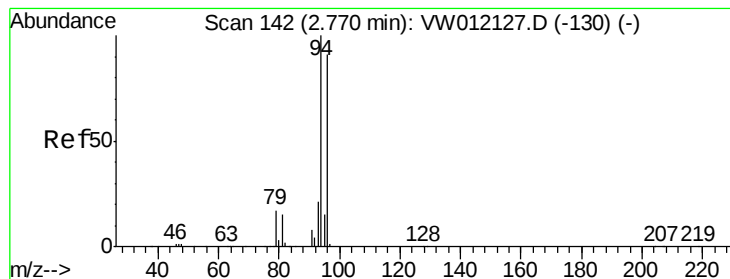
Tgt Ion: 62 Resp: 44233

Ion Ratio Lower Upper

62 100

64 30.4 25.3 37.9





#5

Bromomethane

Concen: 16.978 ug/l

RT: 2.74 min Scan# 137

Delta R.T. -0.03 min

Lab File: VW012320.D

Acq: 29 Aug 2019 23:48

Instrument :

MSVOA_W

ClientSampleId :

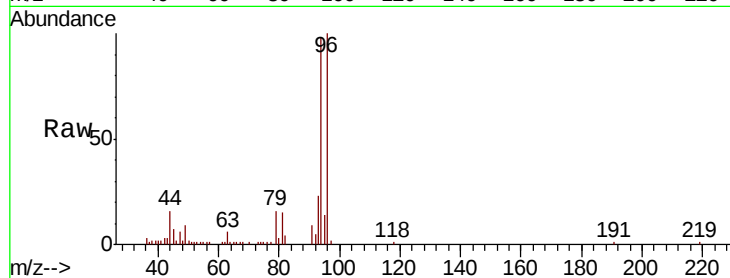
VW0829SBS02

Tgt Ion: 94 Resp: 20823

Ion Ratio Lower Upper

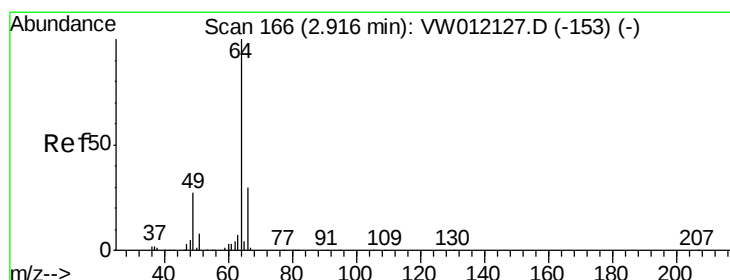
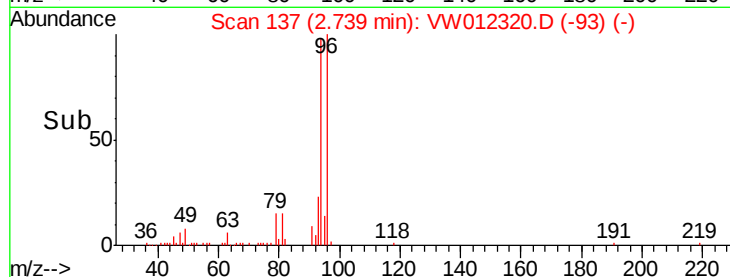
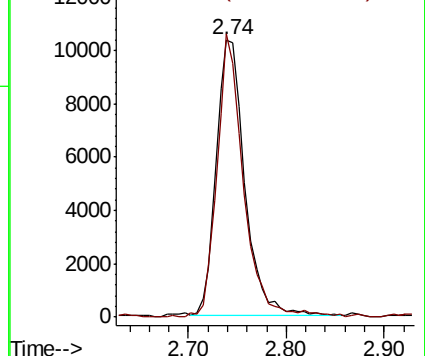
94 100

96 101.9 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: 19.193 ug/l

RT: 2.90 min Scan# 163

Delta R.T. -0.02 min

Lab File: VW012320.D

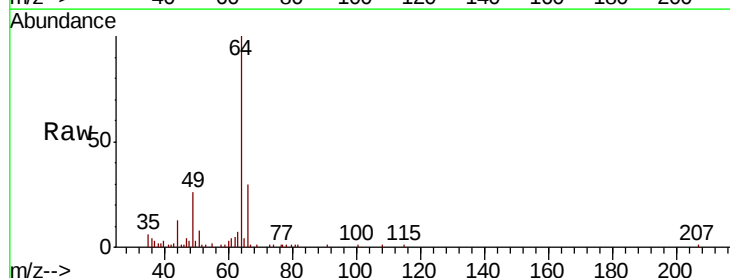
Acq: 29 Aug 2019 23:48

Tgt Ion: 64 Resp: 26221

Ion Ratio Lower Upper

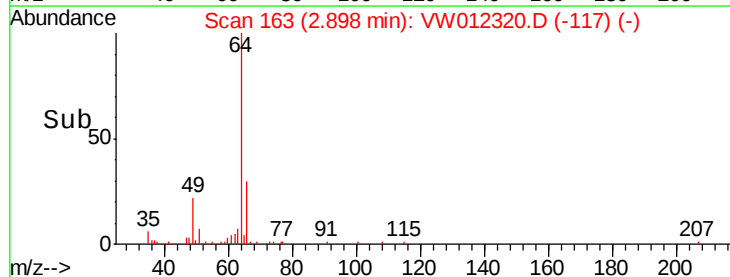
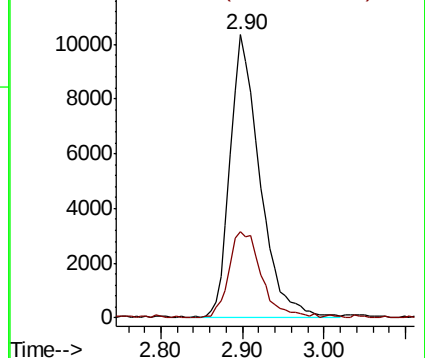
64 100

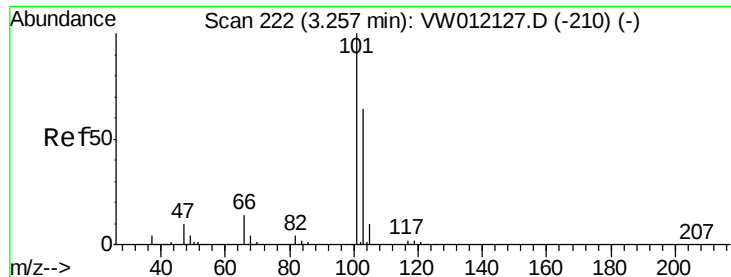
66 30.5 23.8 35.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



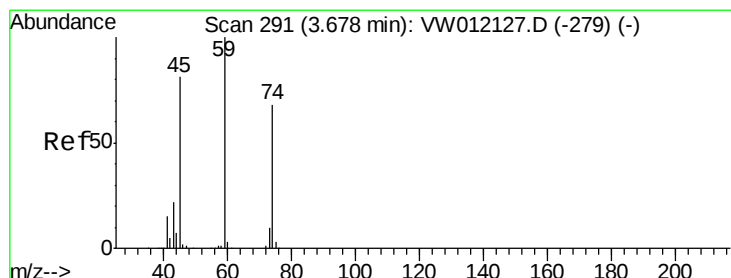
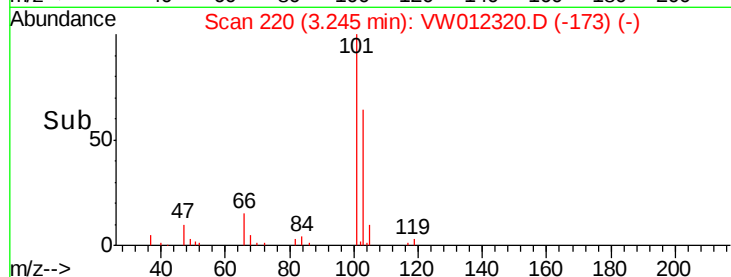
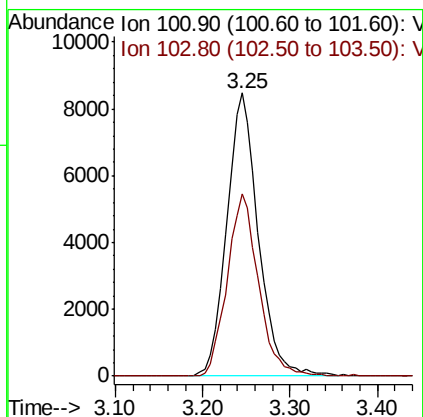
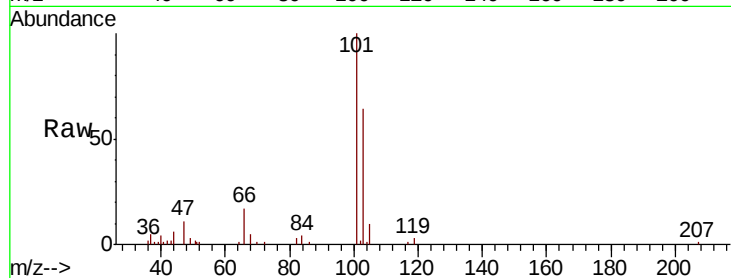


#7

Trichlorofluoromethane
 Concen: 17.447 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW012320.D
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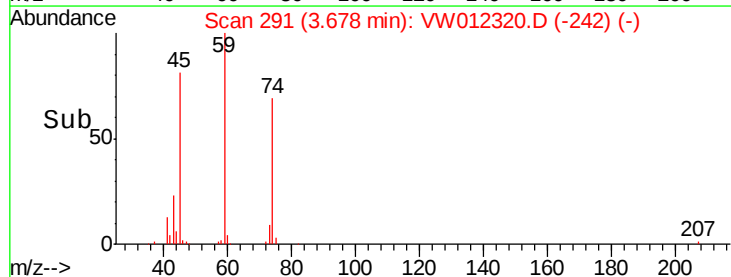
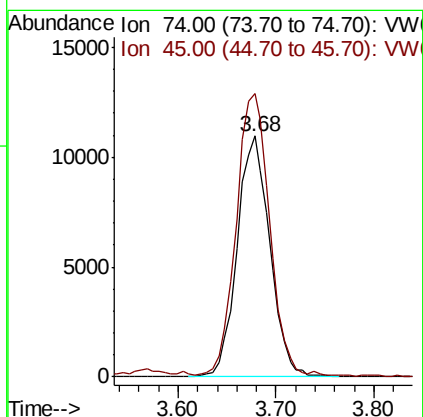
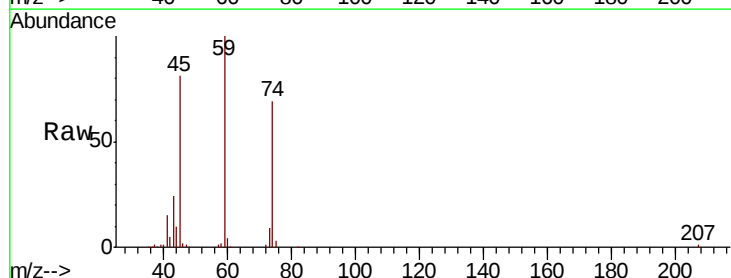
Tgt Ion:101 Resp: 21216
 Ion Ratio Lower Upper
 101 100
 103 64.3 51.2 76.8

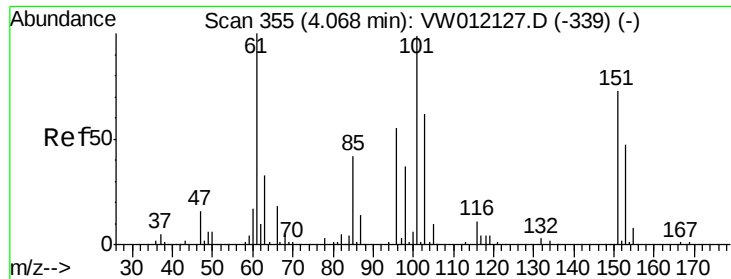


#8

Diethyl Ether
 Concen: 21.980 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012320.D
 Acq: 29 Aug 2019 23:48

Tgt Ion: 74 Resp: 25371
 Ion Ratio Lower Upper
 74 100
 45 118.4 59.2 177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.175 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012320.D

Acq: 29 Aug 2019 23:48

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS02

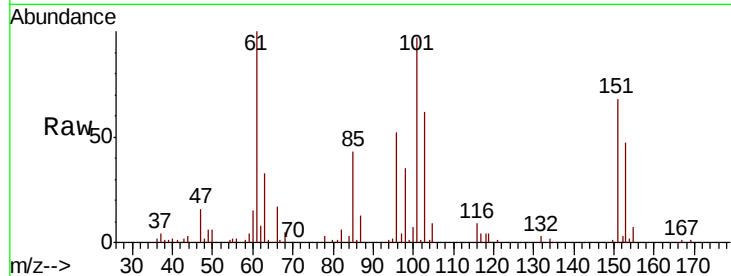
Tgt Ion:101 Resp: 39635

Ion Ratio Lower Upper

101 100

85 44.6 35.8 53.6

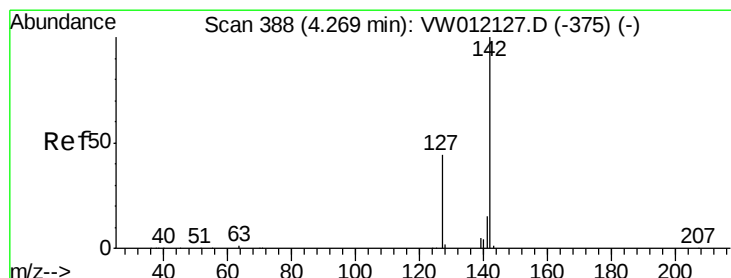
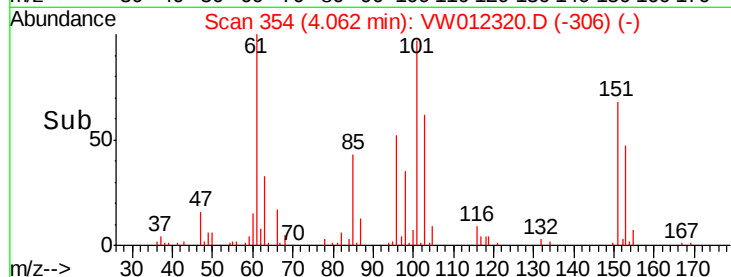
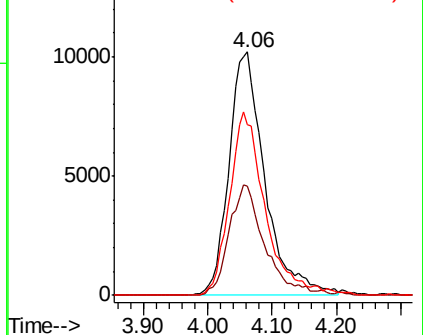
151 75.1 58.6 87.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.074 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW012320.D

Acq: 29 Aug 2019 23:48

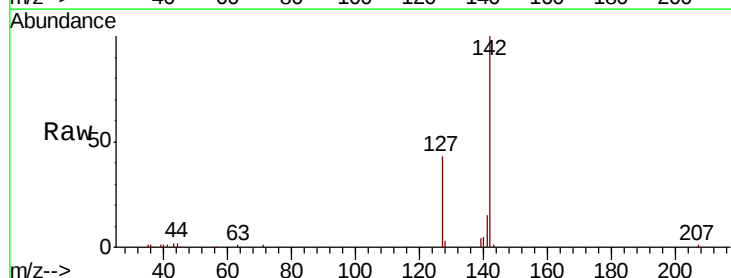
Tgt Ion:142 Resp: 56141

Ion Ratio Lower Upper

142 100

127 43.4 35.5 53.3

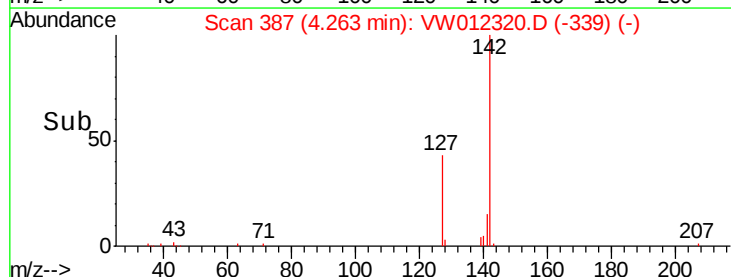
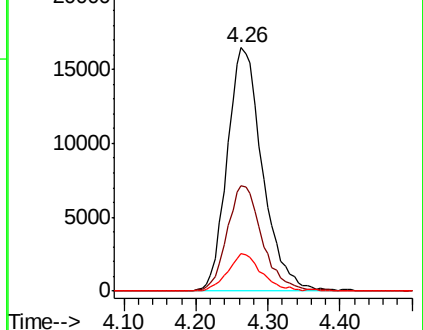
141 14.6 11.8 17.8

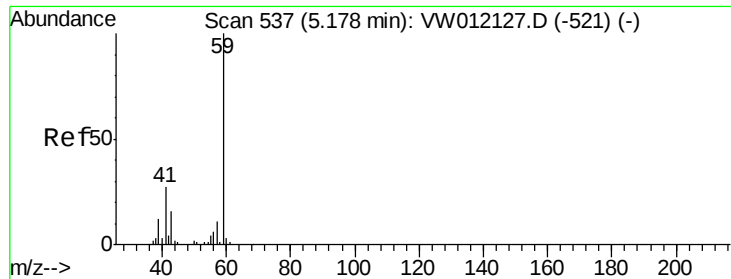


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



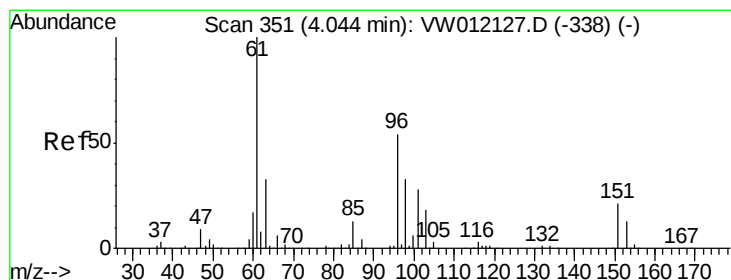
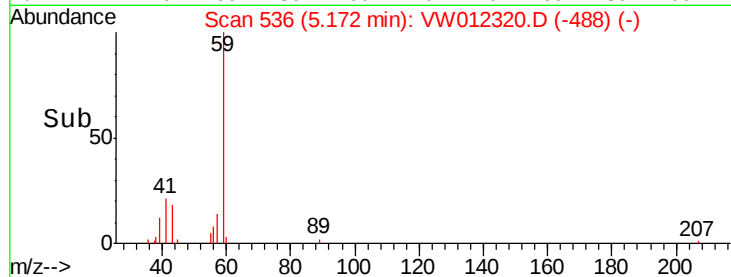
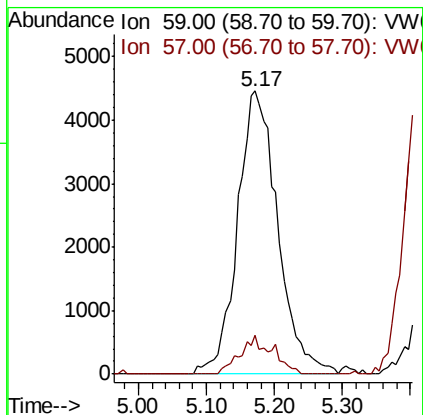
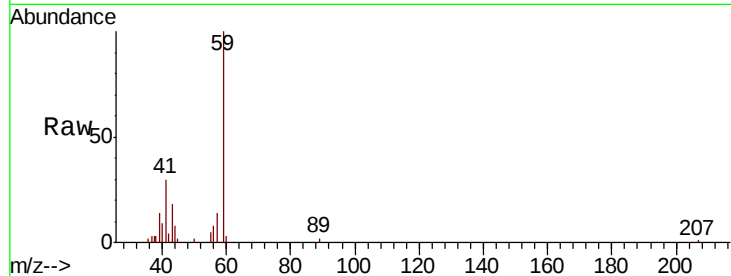


#11

Tert butyl alcohol
Concen: 123.634 ug/l
RT: 5.17 min Scan# 536
Delta R.T. -0.01 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS02

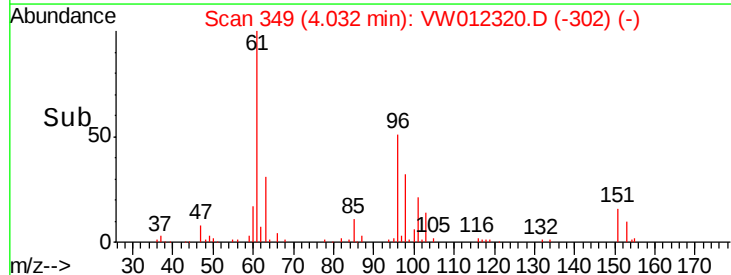
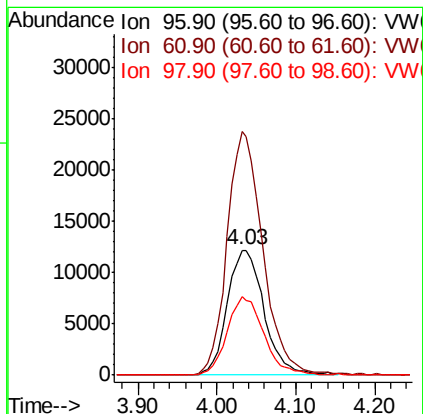
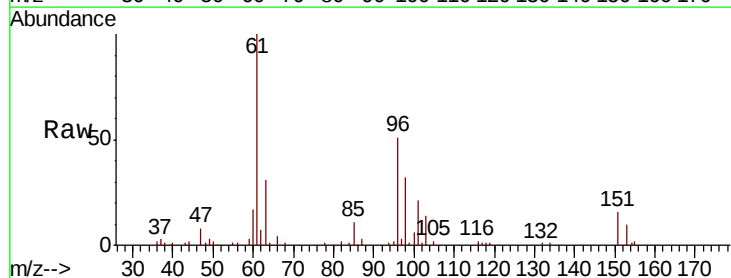
Tgt Ion: 59 Resp: 18345
Ion Ratio Lower Upper
59 100
57 11.1 9.0 13.4

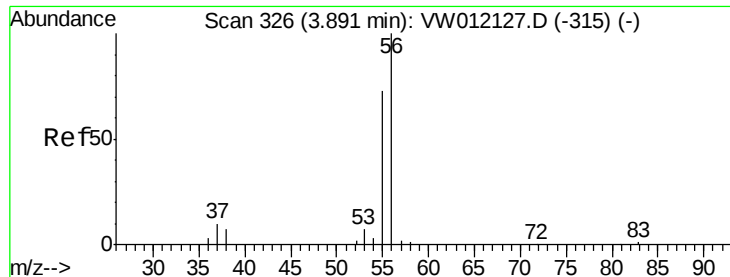


#12

1,1-Dichloroethene
Concen: 18.975 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

Tgt Ion: 96 Resp: 39477
Ion Ratio Lower Upper
96 100
61 194.8 149.1 223.7
98 62.3 49.4 74.2





#13

Acrolein

Concen: 91.505 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW012320.D

Acq: 29 Aug 2019 23:48

Instrument :

MSVOA_W

ClientSampleId :

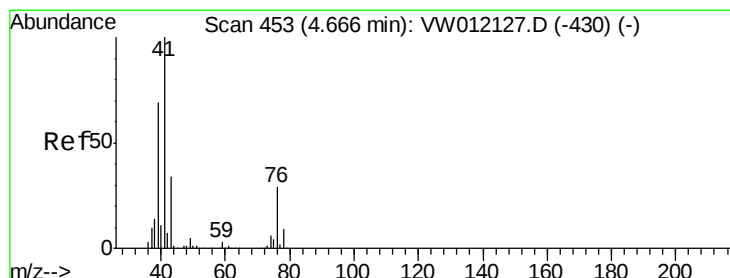
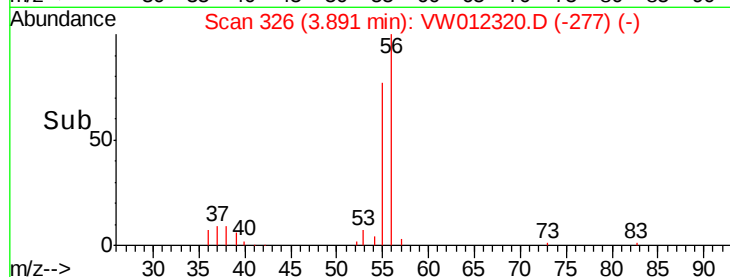
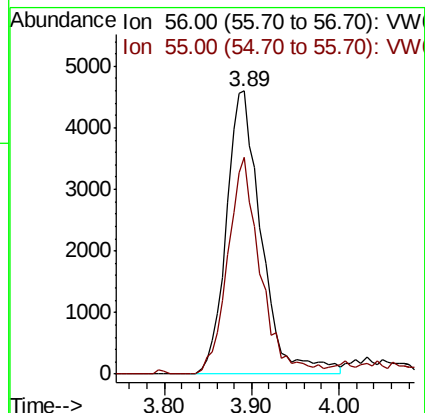
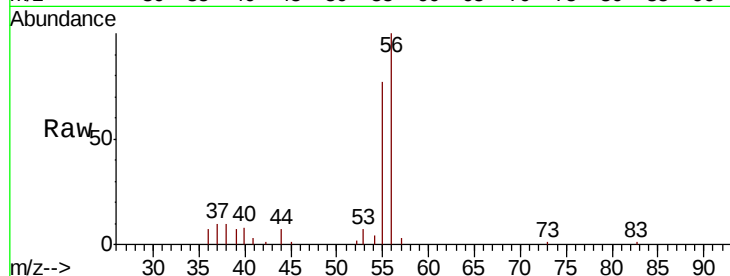
VW0829SBS02

Tgt Ion: 56 Resp: 12781

Ion Ratio Lower Upper

56 100

55 71.5 55.8 83.8



#14

Allyl chloride

Concen: 20.536 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012320.D

Acq: 29 Aug 2019 23:48

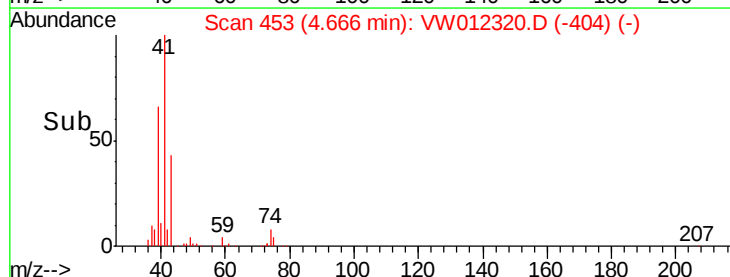
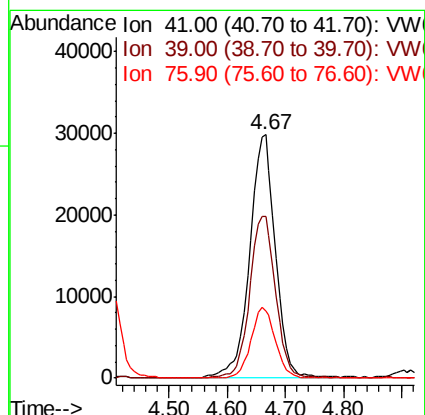
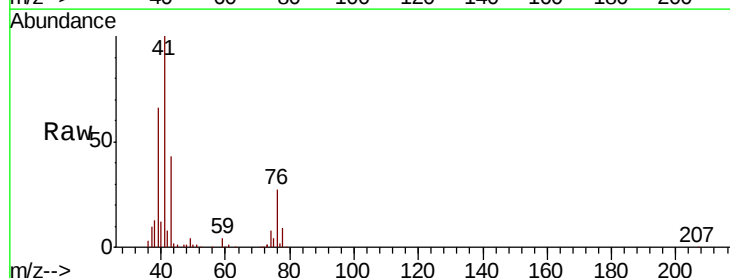
Tgt Ion: 41 Resp: 91337

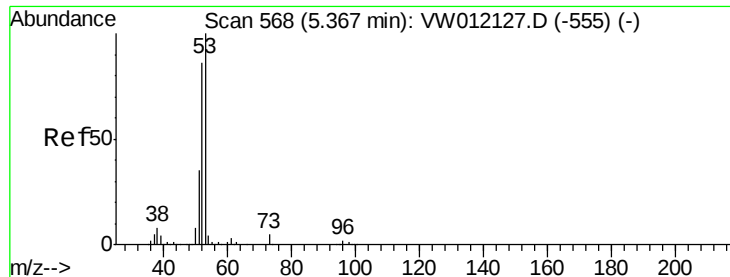
Ion Ratio Lower Upper

41 100

39 66.7 53.4 80.2

76 27.2 22.1 33.1





#15

Acrylonitrile

Concen: 114.005 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012320.D

Acq: 29 Aug 2019 23:48

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS02

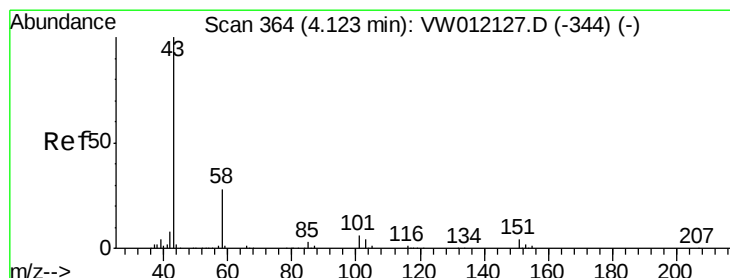
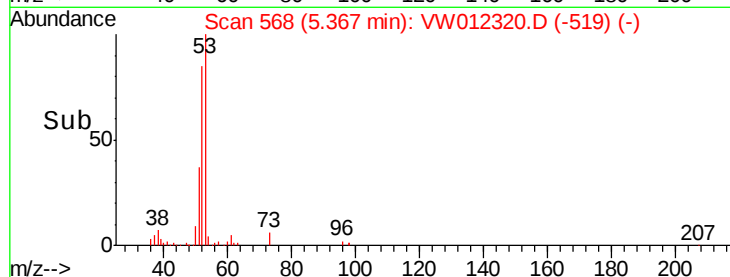
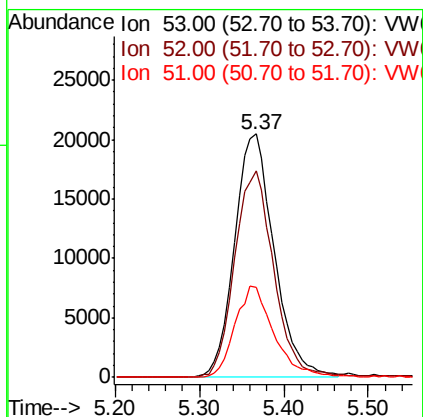
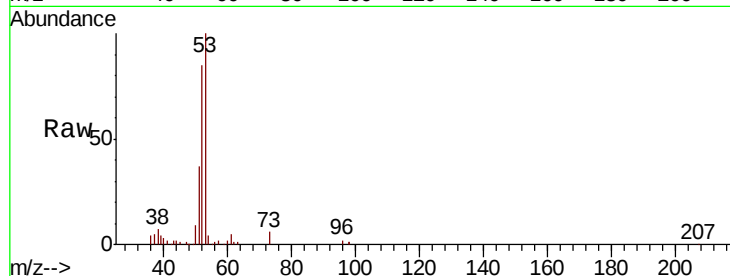
Tgt Ion: 53 Resp: 65225

Ion Ratio Lower Upper

53 100

52 83.7 66.7 100.1

51 37.0 30.1 45.1



#16

Acetone

Concen: 92.168 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW012320.D

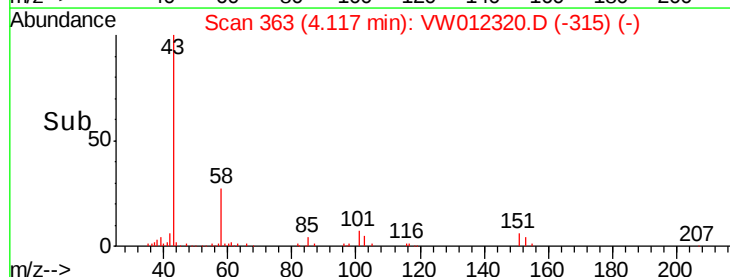
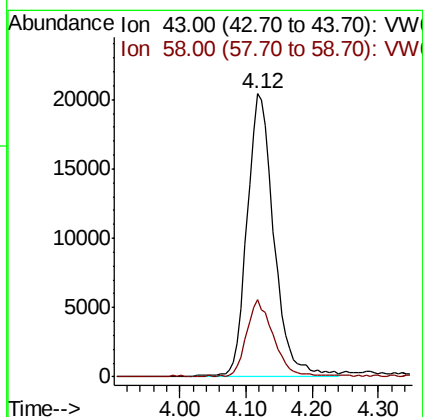
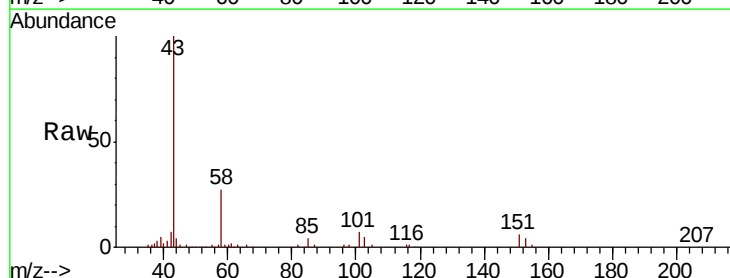
Acq: 29 Aug 2019 23:48

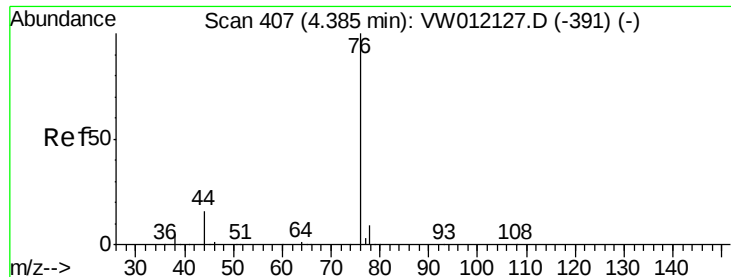
Tgt Ion: 43 Resp: 58091

Ion Ratio Lower Upper

43 100

58 27.2 22.4 33.6

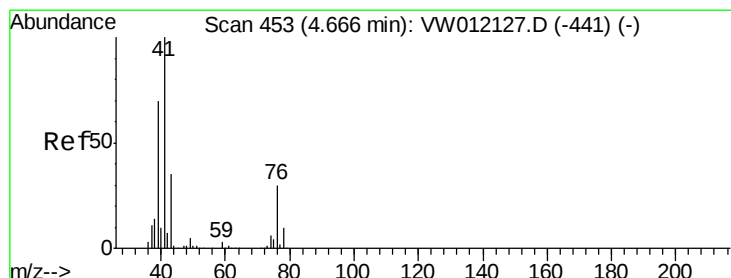
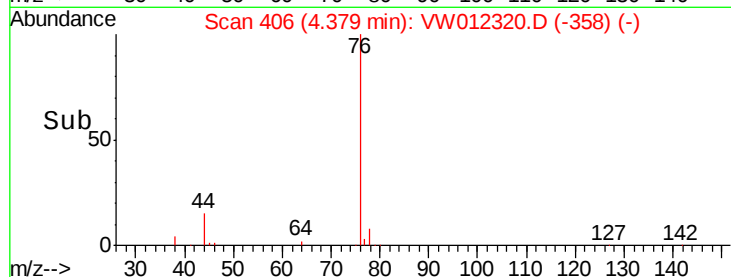
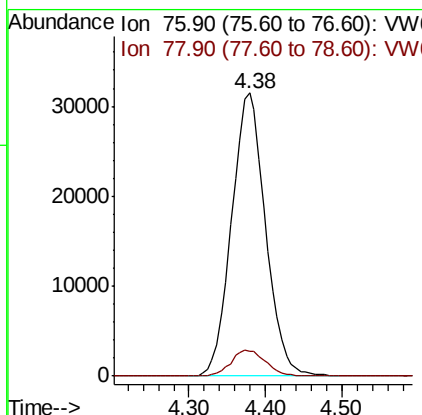
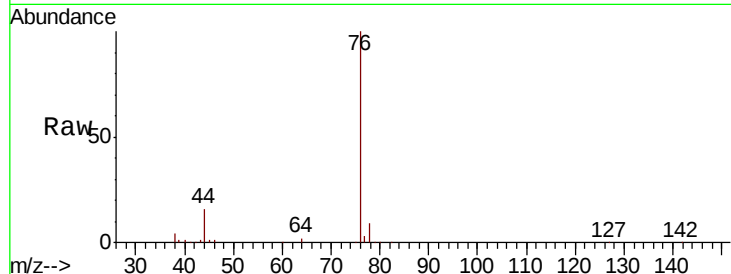




#17
Carbon Disulfide
Concen: 15.373 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

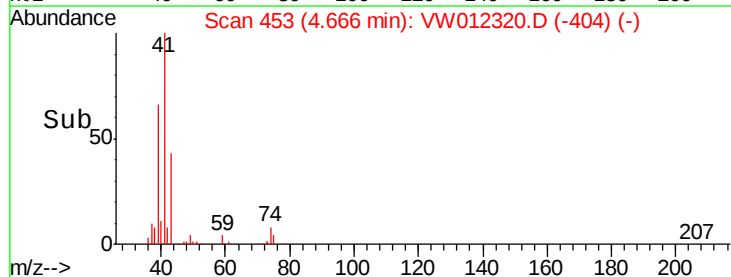
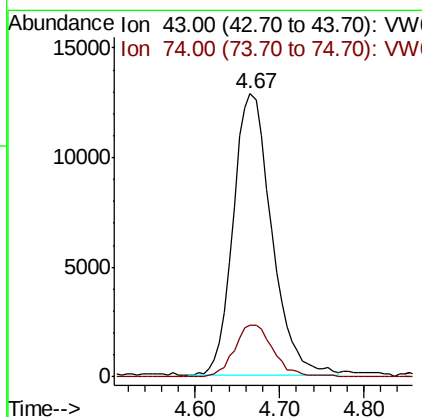
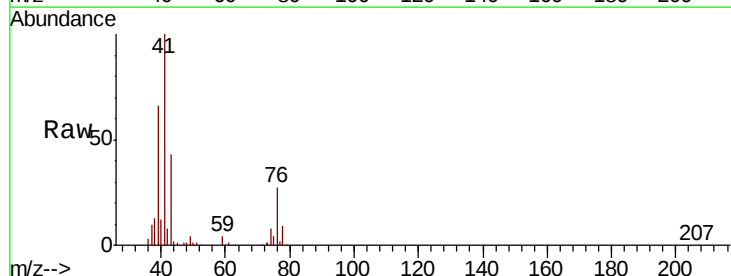
Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS02

Tgt Ion: 76 Resp: 96660
Ion Ratio Lower Upper
76 100
78 8.6 7.3 10.9



#18
Methyl Acetate
Concen: 25.388 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

Tgt Ion: 43 Resp: 39633
Ion Ratio Lower Upper
43 100
74 18.6 15.7 23.5

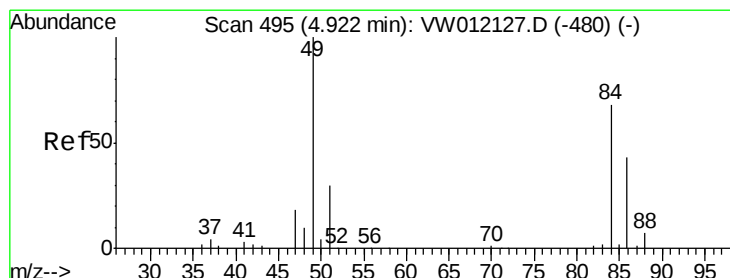
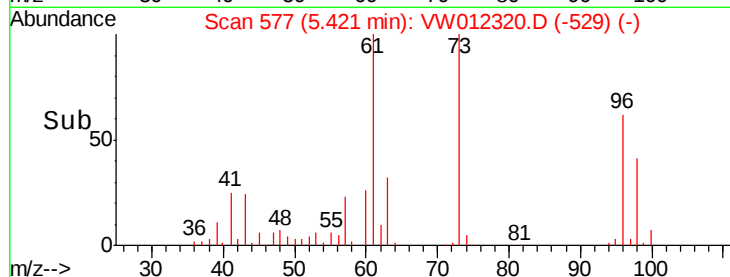
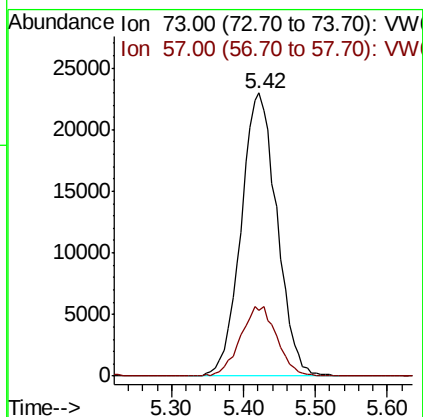
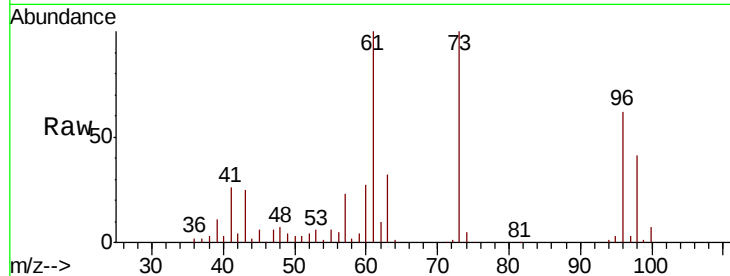




#19
Methyl tert-butyl Ether
Concen: 23.595 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

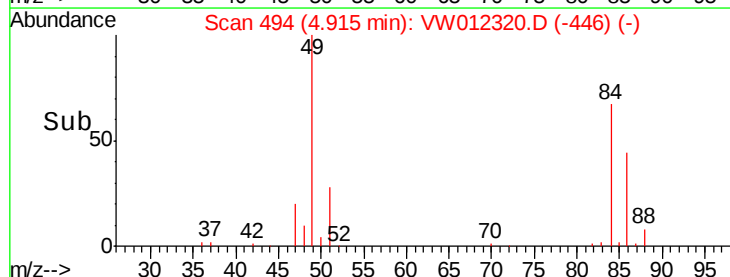
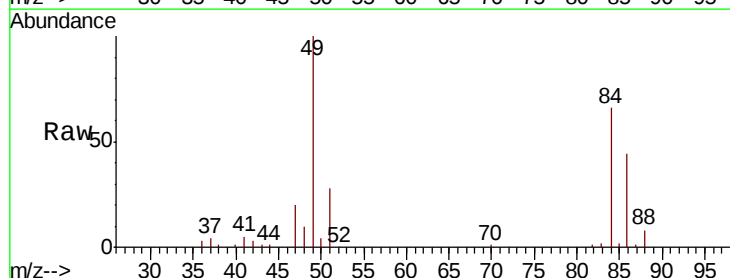
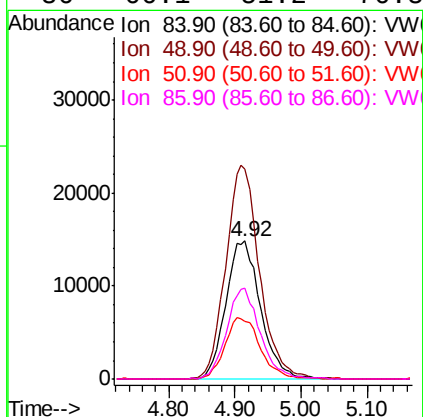
Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS02

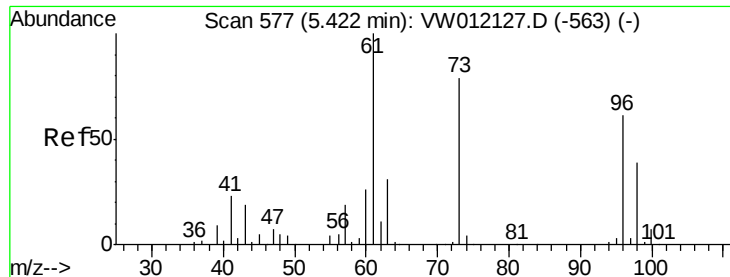
Tgt Ion: 73 Resp: 79385
Ion Ratio Lower Upper
73 100
57 23.3 18.9 28.3



#20
Methylene Chloride
Concen: 22.640 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

Tgt Ion: 84 Resp: 53944
Ion Ratio Lower Upper
84 100
49 151.2 117.8 176.8
51 42.1 35.6 53.4
86 66.1 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 19.939 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW012320.D

Acq: 29 Aug 2019 23:48

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS02

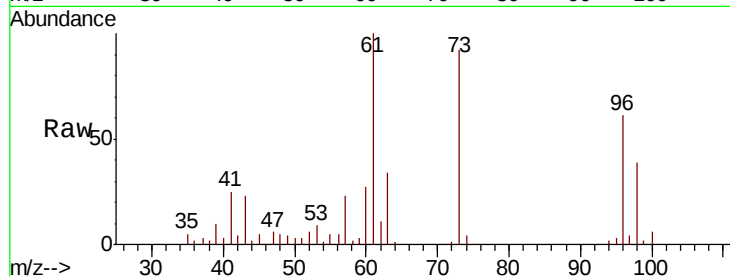
Tgt Ion: 96 Resp: 44484

Ion Ratio Lower Upper

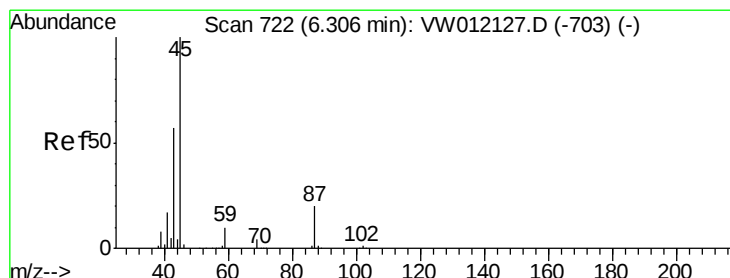
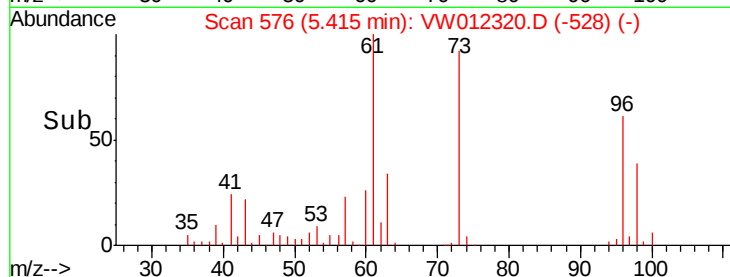
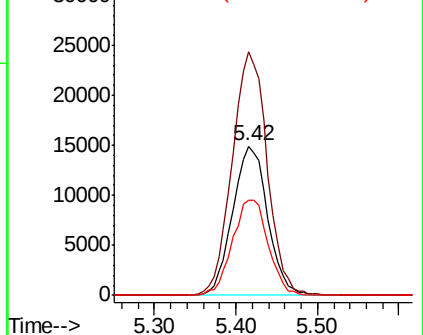
96 100

61 163.4 131.4 197.0

98 63.7 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: 22.862 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW012320.D

Acq: 29 Aug 2019 23:48

Tgt Ion: 45 Resp: 188478

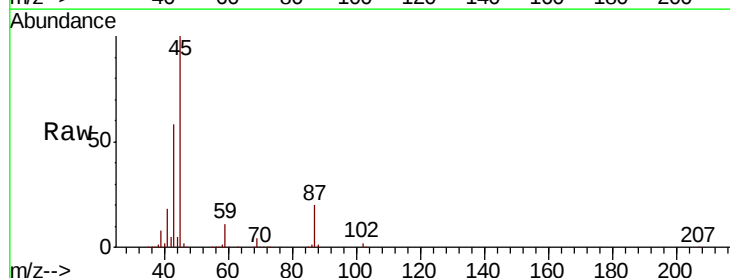
Ion Ratio Lower Upper

45 100

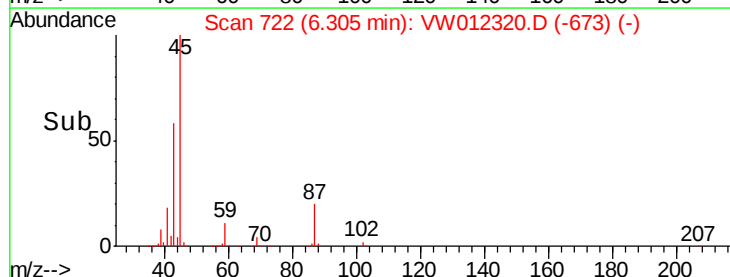
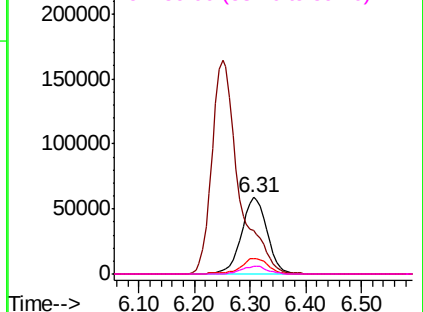
43 57.2 45.5 68.3

87 20.4 16.1 24.1

59 10.8 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: 108.504 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012320.D

Acq: 29 Aug 2019 23:48

Instrument :

MSVOA_W

ClientSampleId :

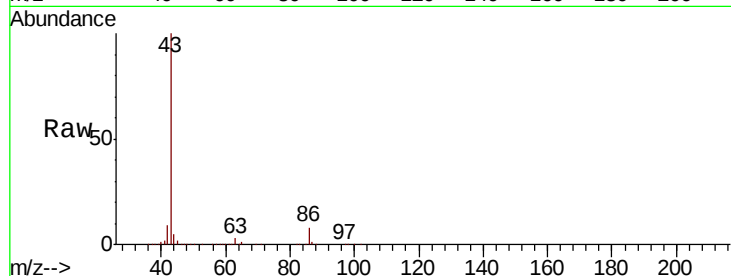
VW0829SBS02

Tgt Ion: 43 Resp: 550514

Ion Ratio Lower Upper

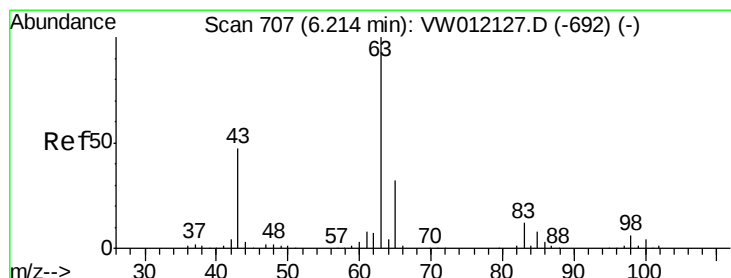
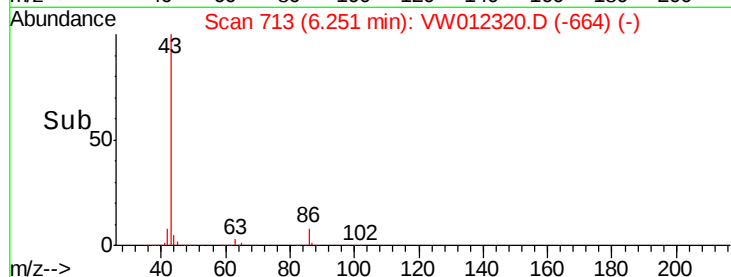
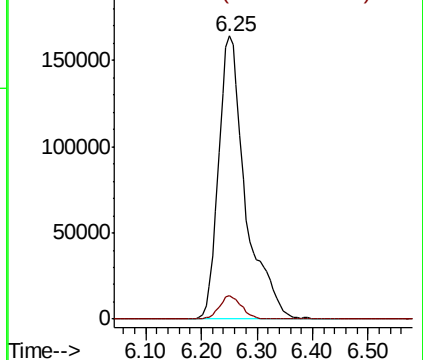
43 100

86 8.2 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 21.620 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012320.D

Acq: 29 Aug 2019 23:48

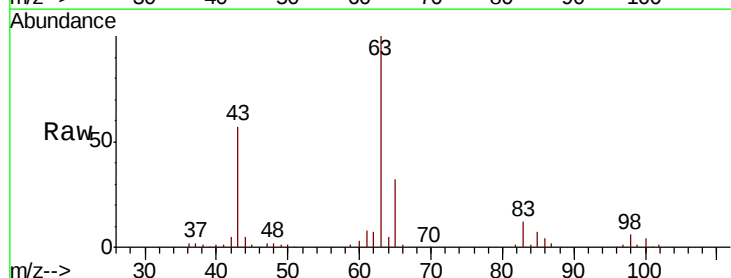
Tgt Ion: 63 Resp: 97050

Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.2

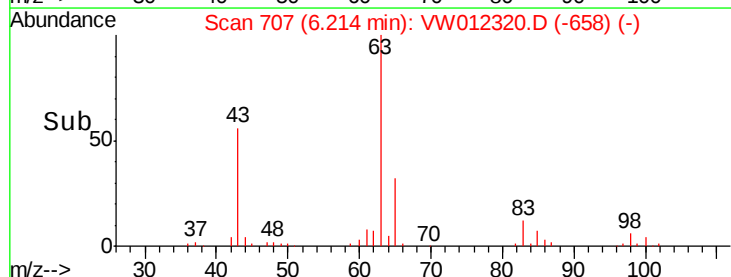
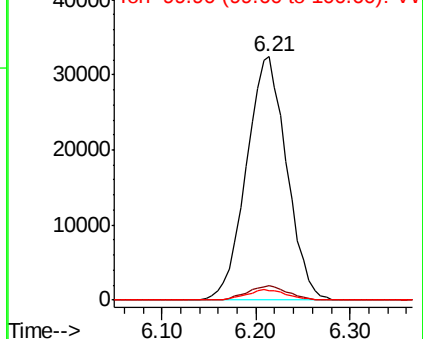
100 3.9 2.0 6.0

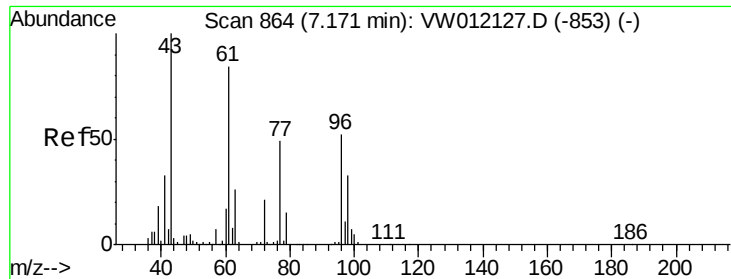


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 105.600 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW012320.D

Acq: 29 Aug 2019 23:48

Instrument :

MSVOA_W

ClientSampleId :

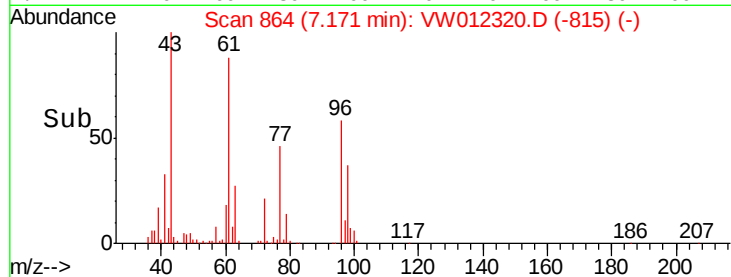
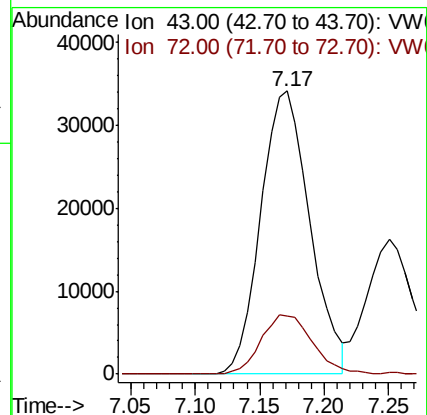
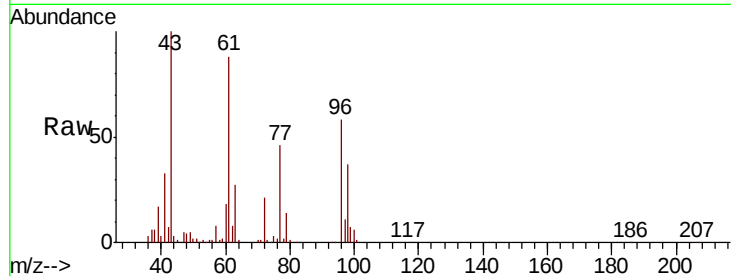
VW0829SBS02

Tgt Ion: 43 Resp: 90443

Ion Ratio Lower Upper

43 100

72 20.5 16.6 24.8



#26

2,2-Dichloropropane

Concen: 19.487 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012320.D

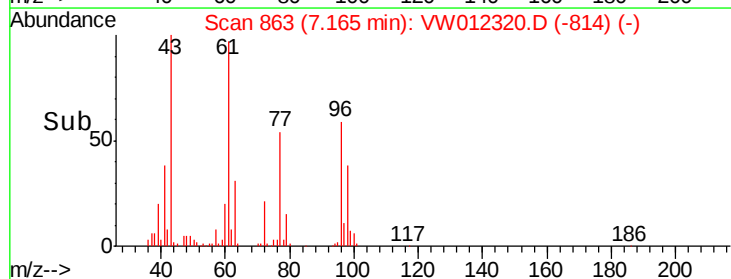
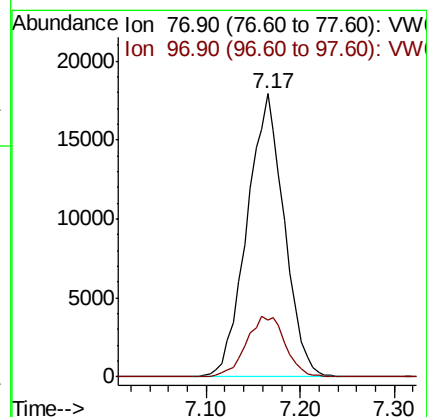
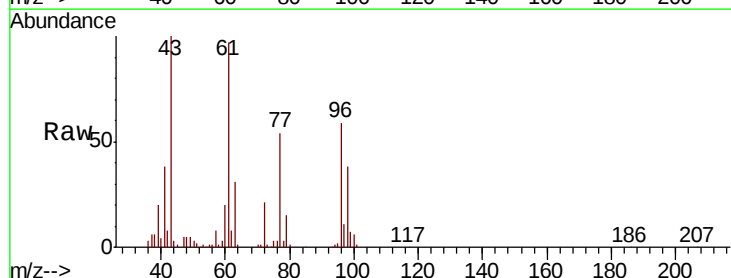
Acq: 29 Aug 2019 23:48

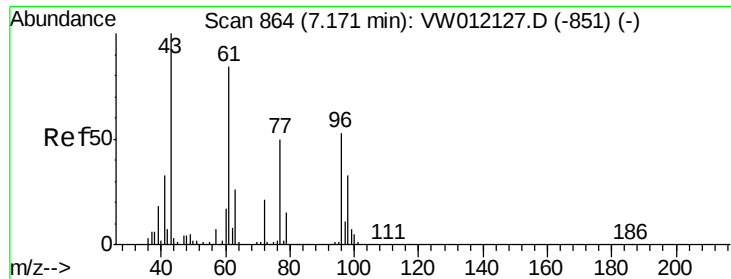
Tgt Ion: 77 Resp: 49511

Ion Ratio Lower Upper

77 100

97 22.4 11.1 33.1



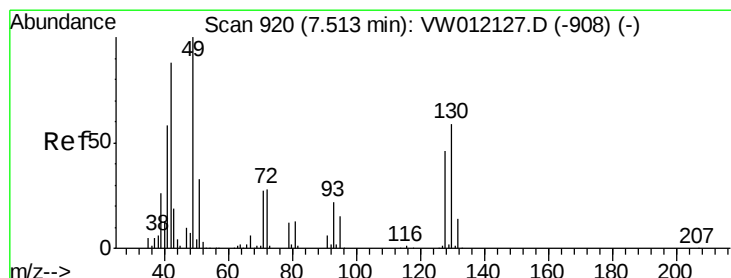
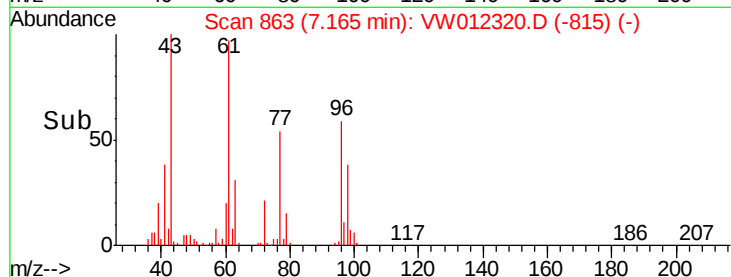
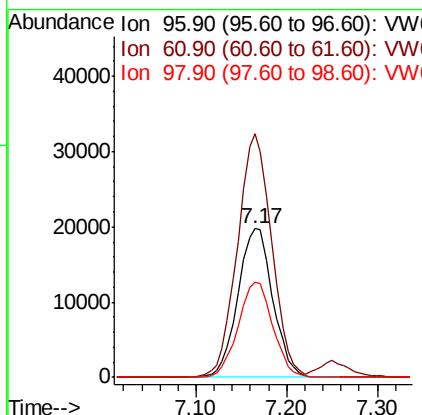
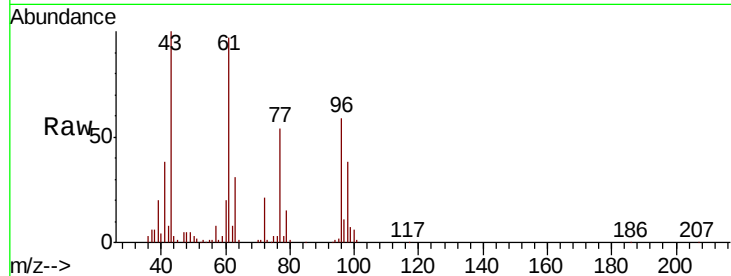


#27

cis-1,2-Dichloroethene
 Concen: 22.063 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW012320.D
 Acq: 29 Aug 2019 23:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS02

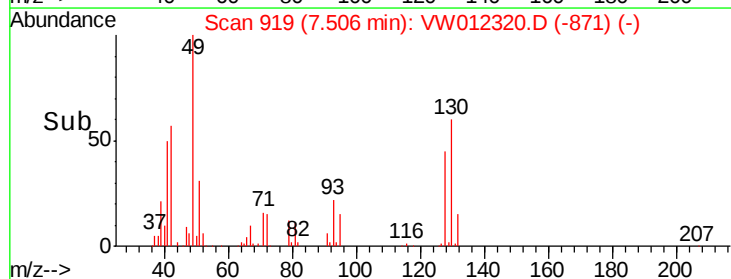
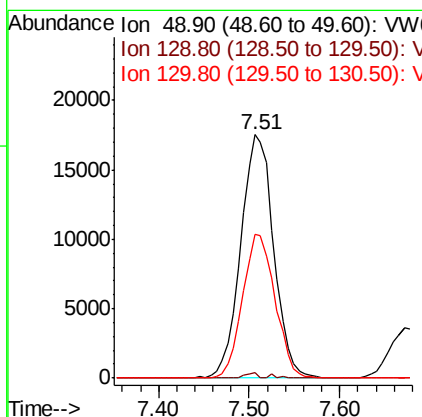
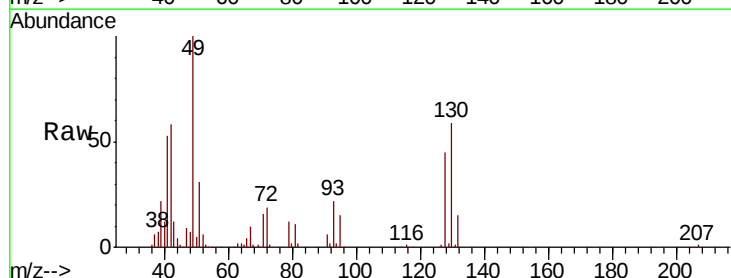
Tgt Ion: 96 Resp: 52589
 Ion Ratio Lower Upper
 96 100
 61 160.8 0.0 326.6
 98 63.7 0.0 127.4

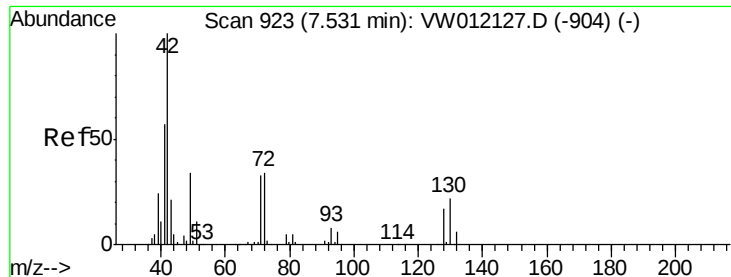


#28

Bromochloromethane
 Concen: 22.593 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW012320.D
 Acq: 29 Aug 2019 23:48

Tgt Ion: 49 Resp: 44202
 Ion Ratio Lower Upper
 49 100
 129 0.7 0.0 1.4
 130 58.2 45.5 68.3

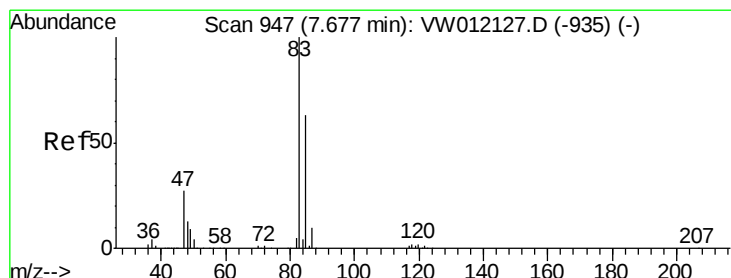
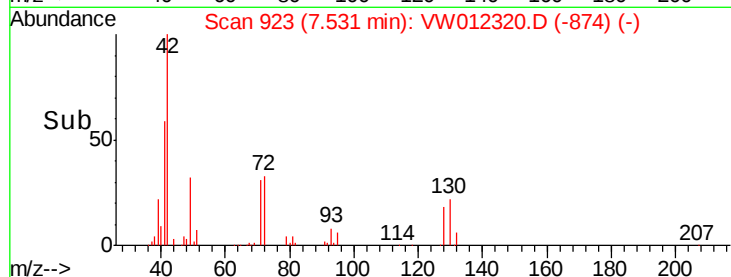
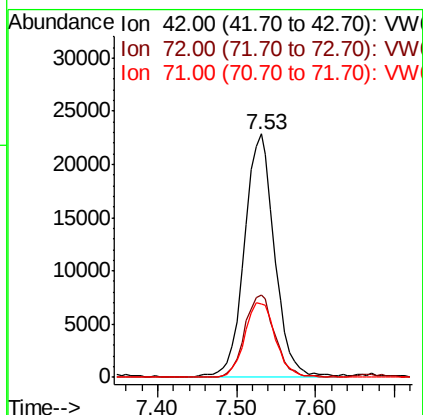
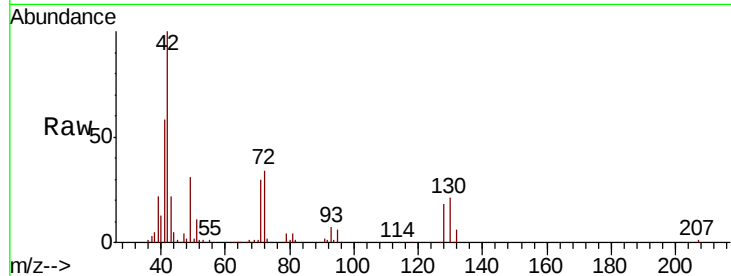




#29
Tetrahydrofuran
Concen: 117.450 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

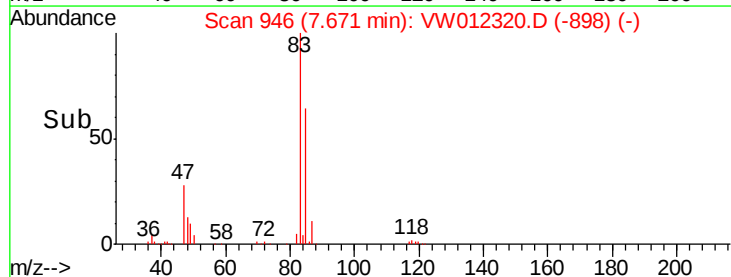
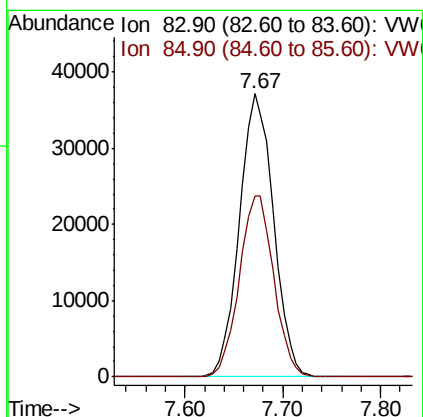
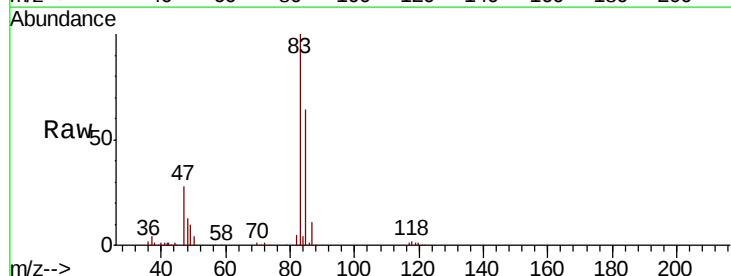
Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS02

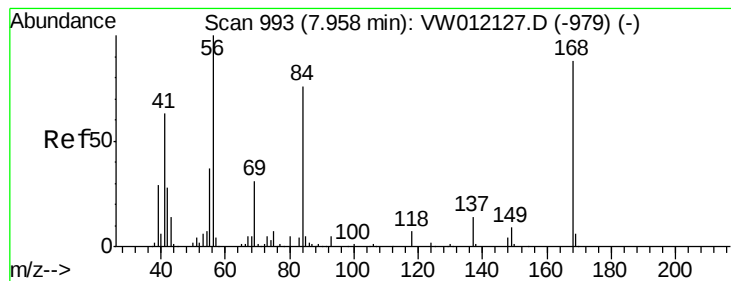
Tgt Ion: 42 Resp: 60351
Ion Ratio Lower Upper
42 100
72 34.0 27.3 40.9
71 31.5 25.5 38.3



#30
Chloroform
Concen: 21.923 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

Tgt Ion: 83 Resp: 90034
Ion Ratio Lower Upper
83 100
85 64.0 50.6 76.0





#31

Cyclohexane

Concen: 17.942 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012320.D

Acq: 29 Aug 2019 23:48

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS02

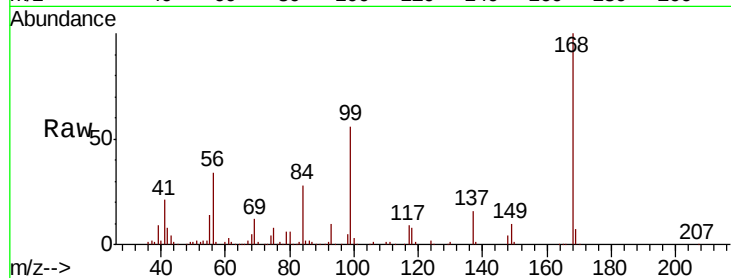
Tgt Ion: 56 Resp: 79684

Ion Ratio Lower Upper

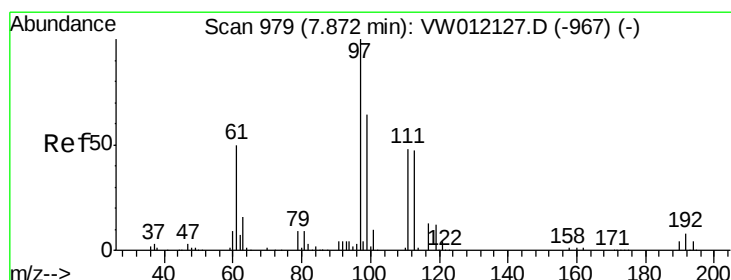
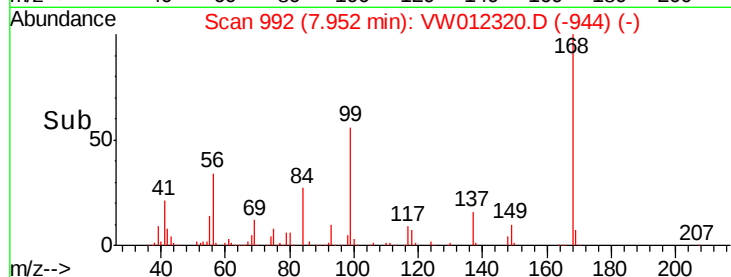
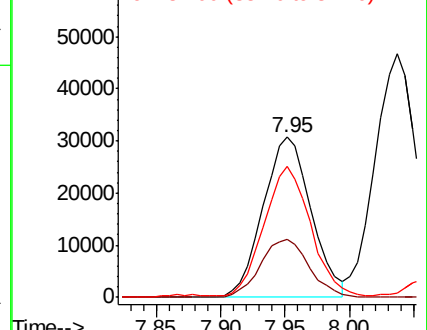
56 100

69 36.1 24.9 37.3

84 80.4 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: 20.822 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW012320.D

Acq: 29 Aug 2019 23:48

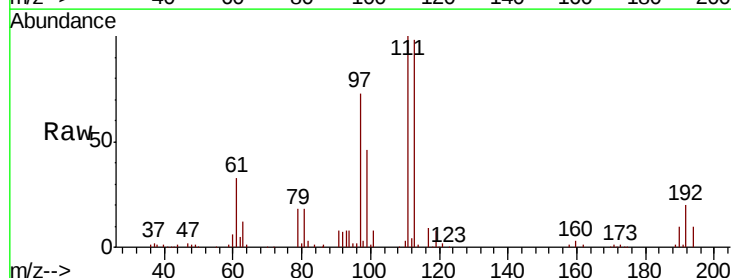
Tgt Ion: 97 Resp: 67647

Ion Ratio Lower Upper

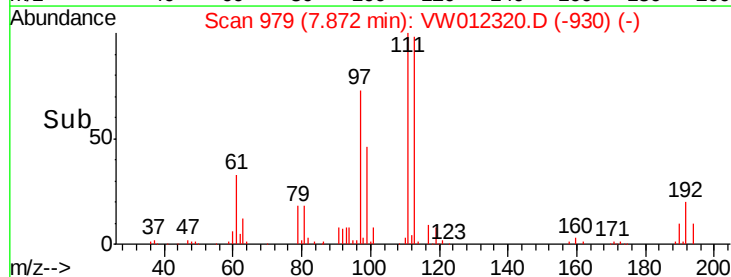
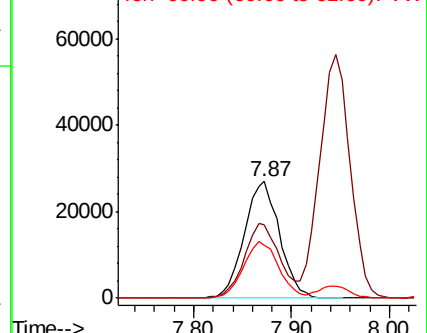
97 100

99 63.1 51.4 77.0

61 48.7 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

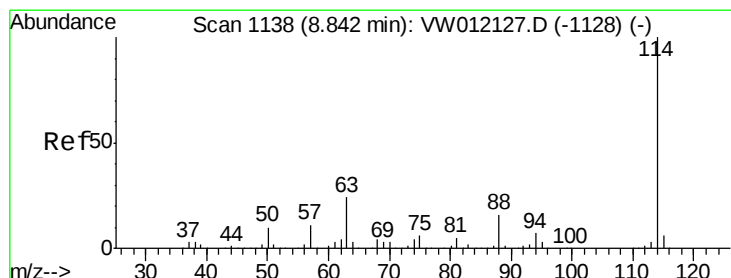
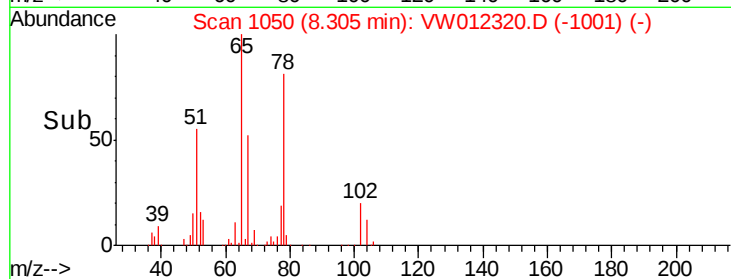
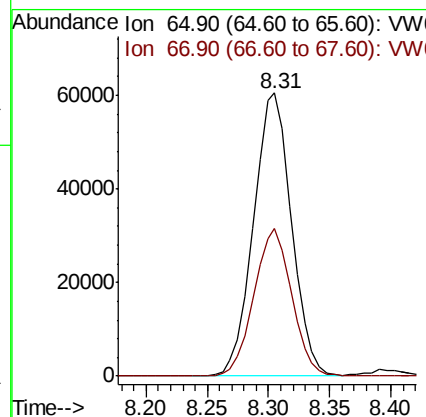
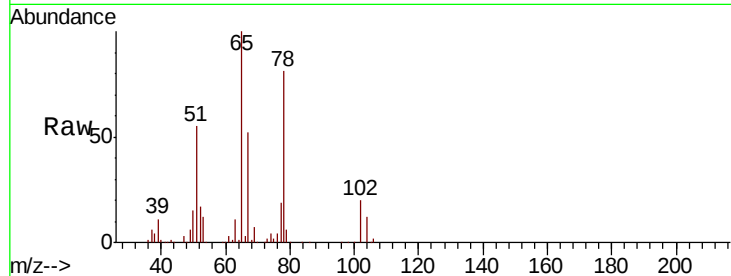




#33
 1,2-Dichloroethane-d4
 Concen: 53.170 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012320.D
 Acq: 29 Aug 2019 23:48

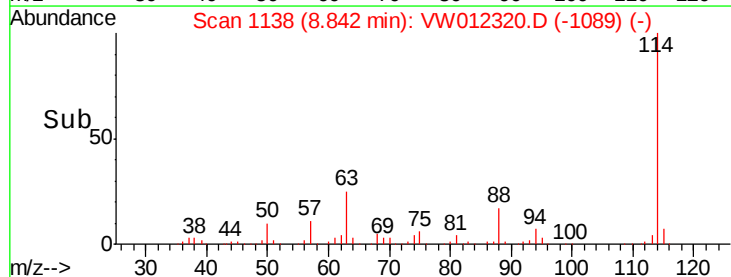
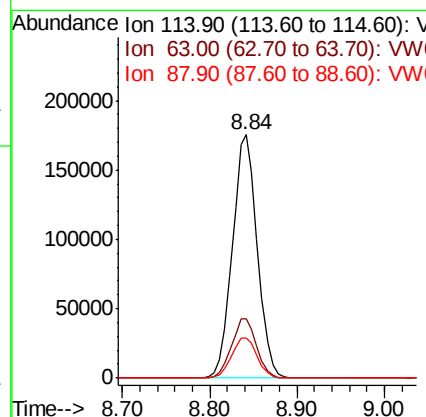
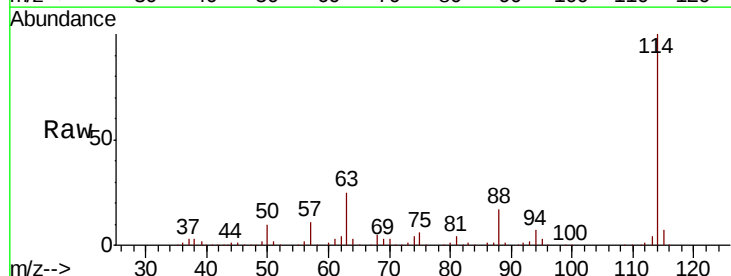
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS02

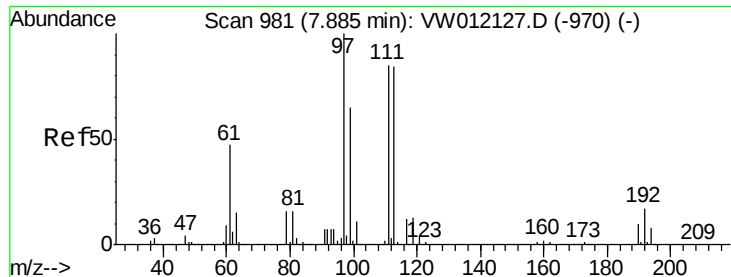
Tgt Ion: 65 Resp: 131098
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012320.D
 Acq: 29 Aug 2019 23:48

Tgt Ion: 114 Resp: 344379
 Ion Ratio Lower Upper
 114 100
 63 24.5 0.0 48.6
 88 16.6 0.0 32.2

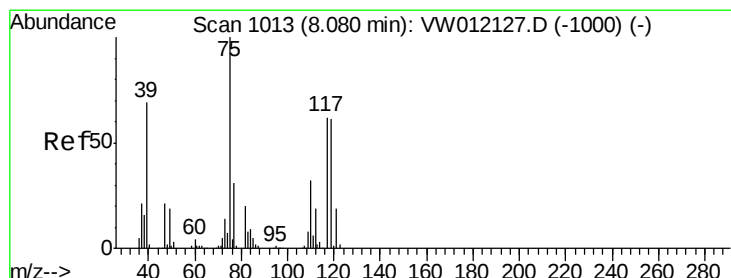
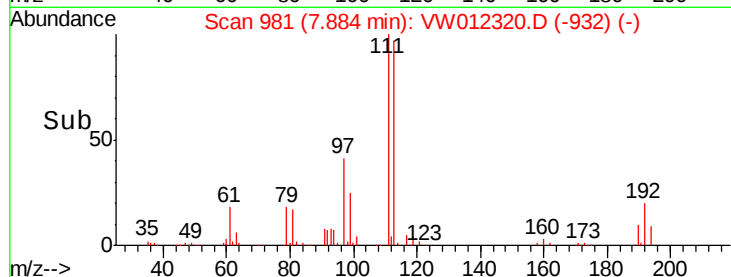
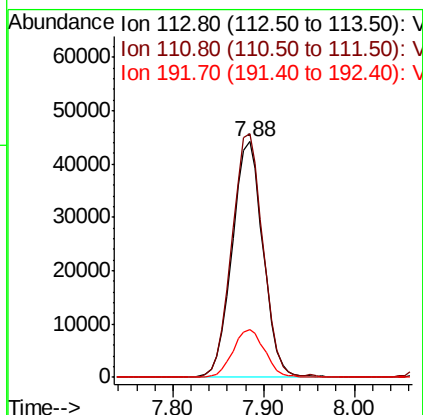
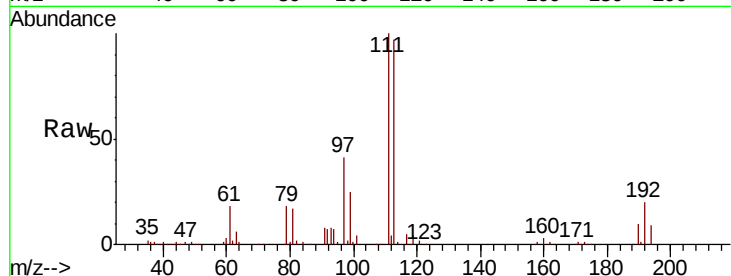




#35
 Dibromofluoromethane
 Concen: 50.879 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012320.D
 Acq: 29 Aug 2019 23:48

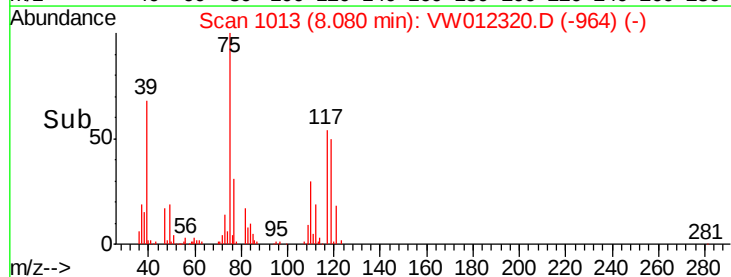
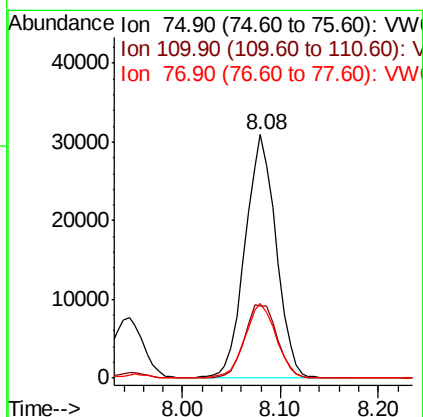
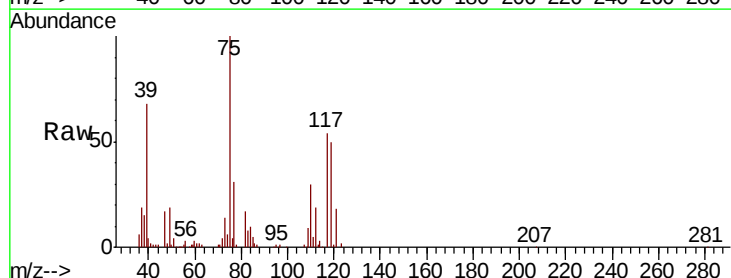
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS02

Tgt Ion:113 Resp: 104588
 Ion Ratio Lower Upper
 113 100
 111 104.0 82.7 124.1
 192 20.6 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 19.214 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012320.D
 Acq: 29 Aug 2019 23:48

Tgt Ion: 75 Resp: 68378
 Ion Ratio Lower Upper
 75 100
 110 31.8 15.6 46.8
 77 30.9 24.6 36.8

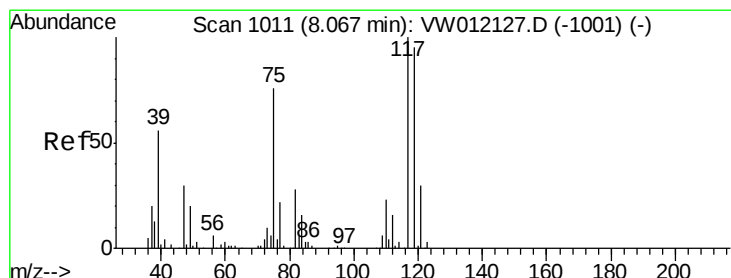
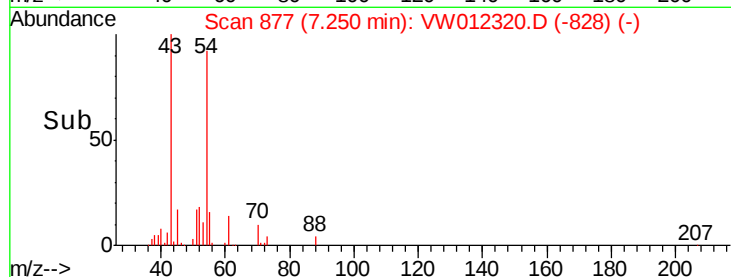
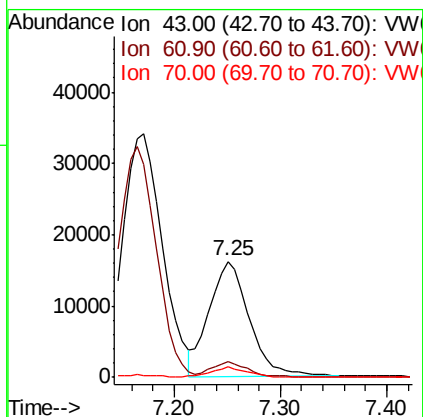
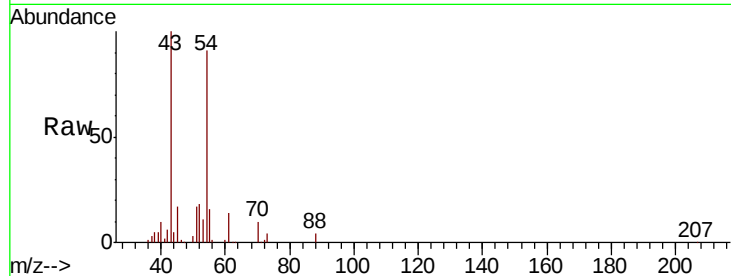




#37
Ethyl Acetate
Concen: 21.707 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

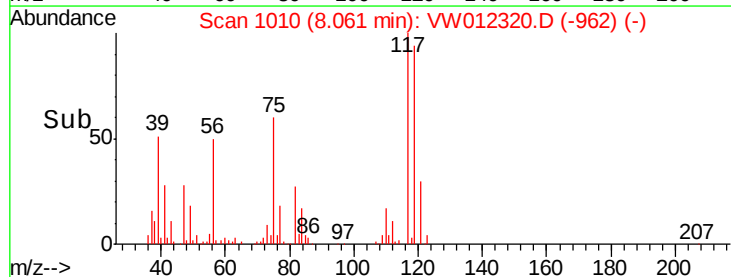
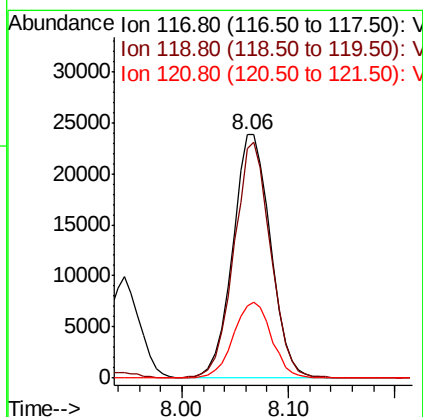
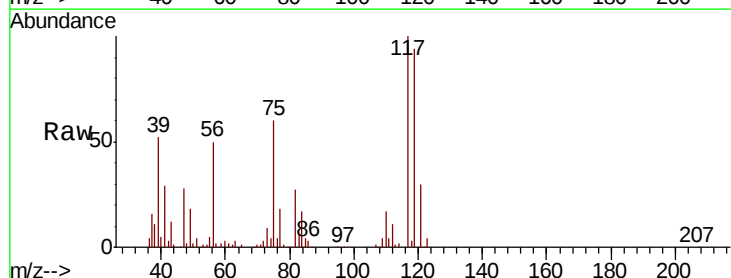
Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS02

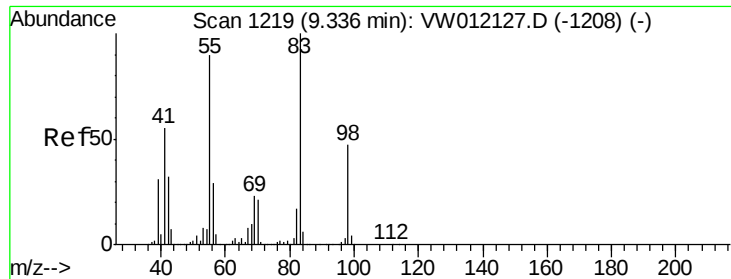
Tgt Ion: 43 Resp: 42332
Ion Ratio Lower Upper
43 100
61 12.3 9.2 13.8
70 8.3 6.9 10.3



#38
Carbon Tetrachloride
Concen: 19.227 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

Tgt Ion: 117 Resp: 59222
Ion Ratio Lower Upper
117 100
119 94.5 76.2 114.2
121 29.6 23.8 35.8

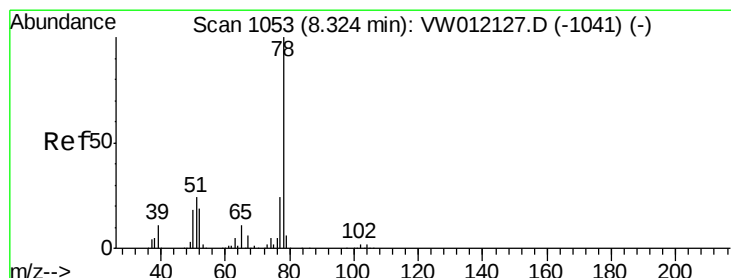
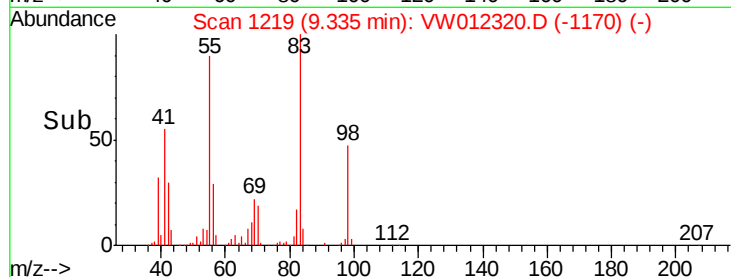
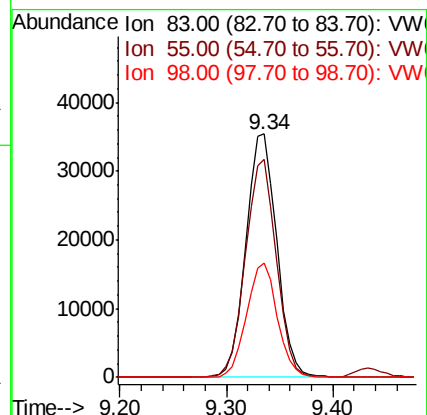
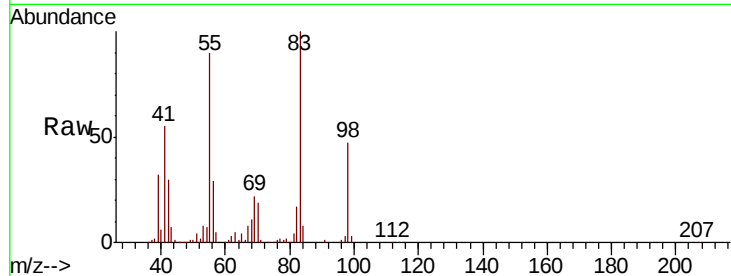




#39
Methylcyclohexane
Concen: 18.118 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

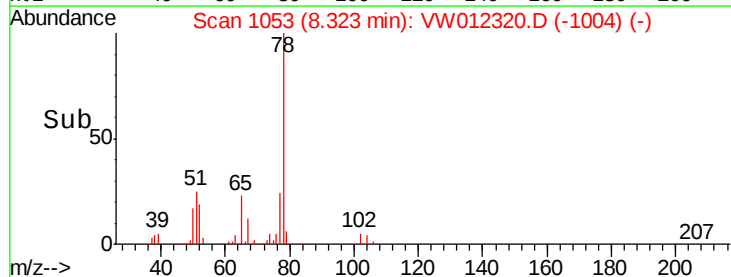
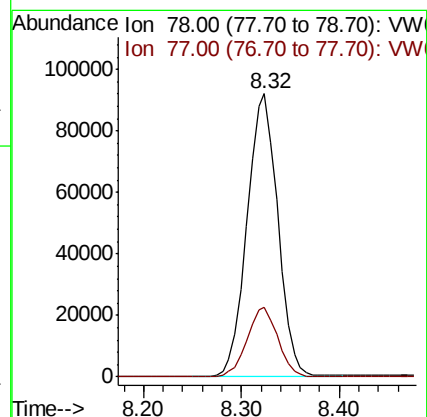
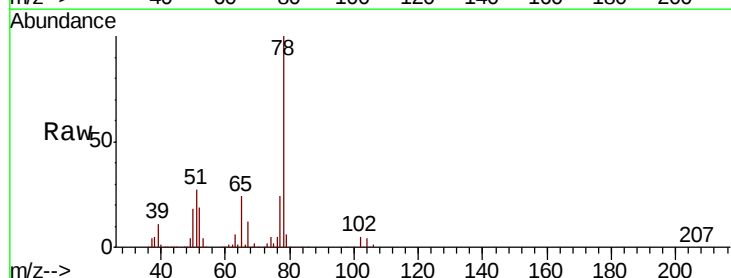
Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS02

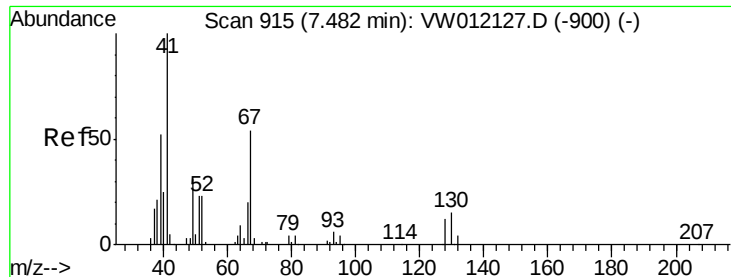
Tgt Ion: 83 Resp: 72435
Ion Ratio Lower Upper
83 100
55 89.7 71.8 107.8
98 46.9 37.8 56.8



#40
Benzene
Concen: 20.713 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

Tgt Ion: 78 Resp: 201281
Ion Ratio Lower Upper
78 100
77 24.5 19.5 29.3

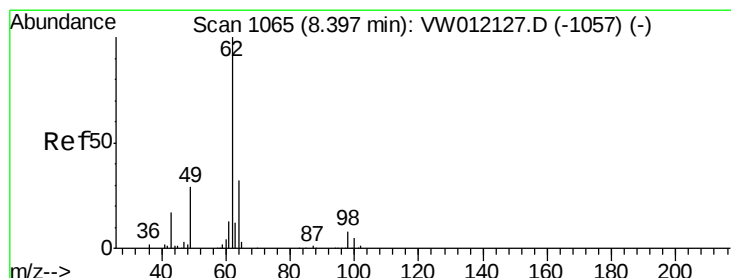
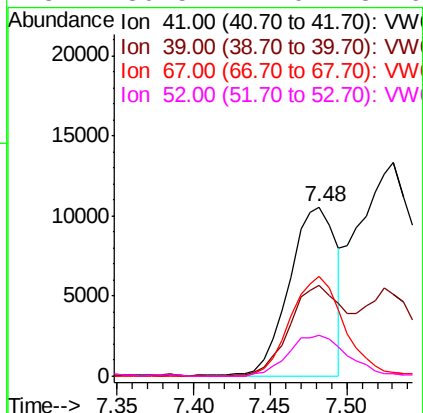
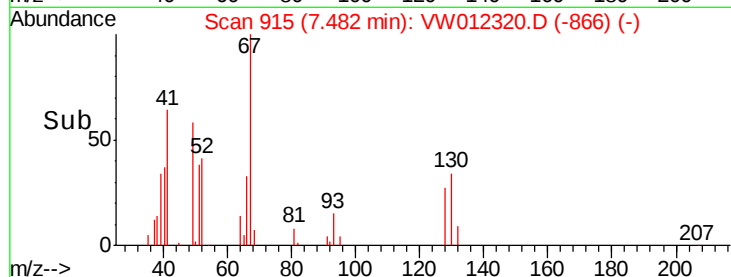
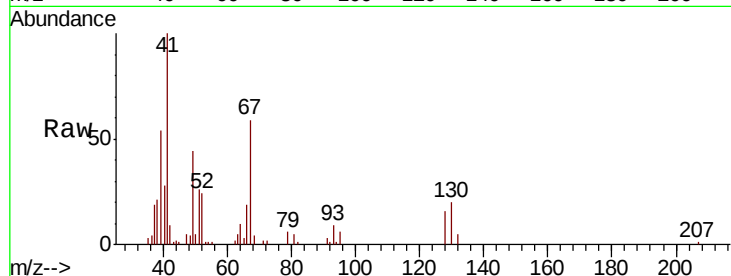




#41
Methacrylonitrile
Concen: 19.775 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

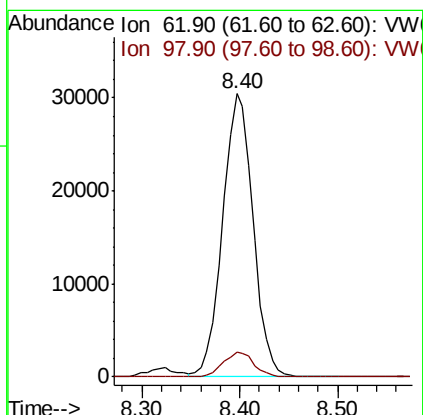
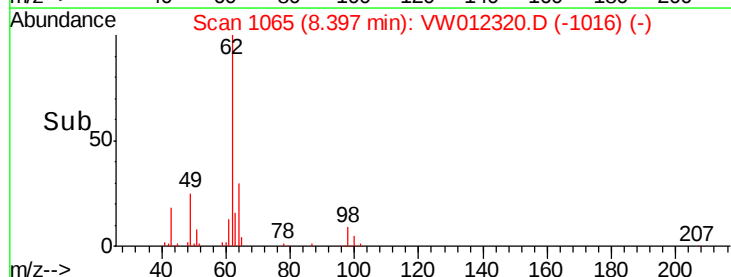
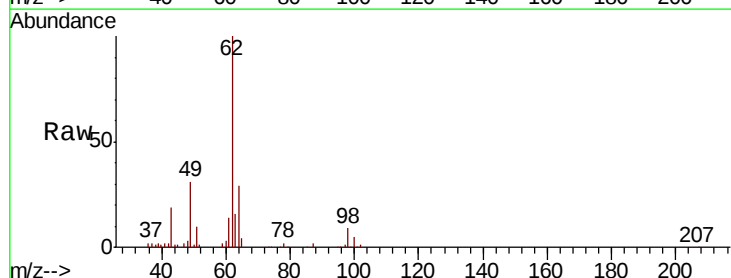
Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS02

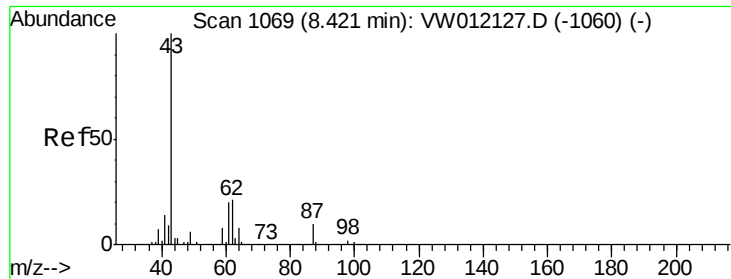
Tgt Ion:	41	Resp:	22665
Ion	Ratio	Lower	Upper
41	100		
39	65.9	45.8	68.8
67	67.0	46.2	69.4
52	30.5	21.0	31.6



#42
1,2-Dichloroethane
Concen: 21.542 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

Tgt Ion:	62	Resp:	65606
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	16.6





#43

Isopropyl Acetate

Concen: 22.139 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012320.D

Acq: 29 Aug 2019 23:48

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS02

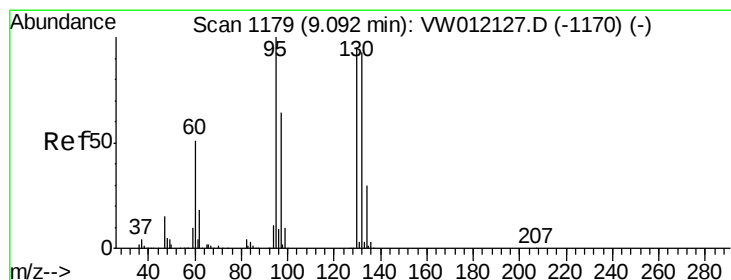
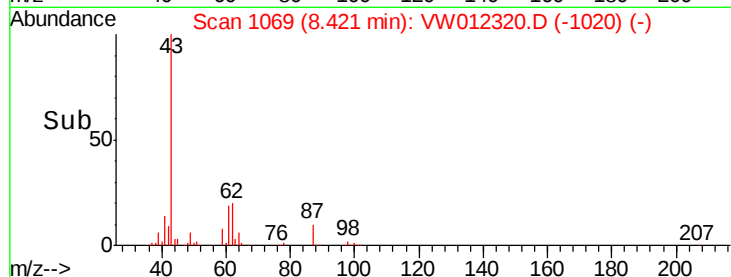
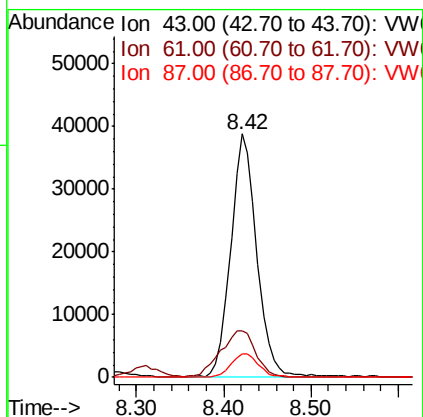
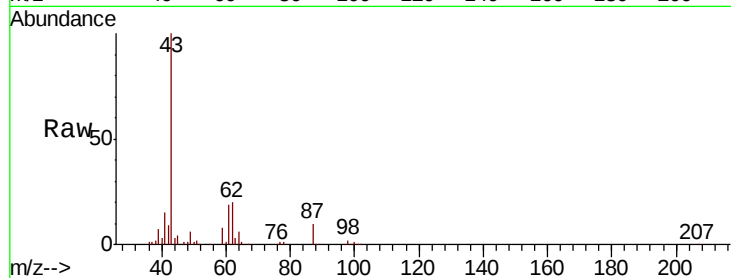
Tgt Ion: 43 Resp: 79974

Ion Ratio Lower Upper

43 100

61 26.2 21.1 31.7

87 10.3 8.2 12.2



#44

Trichloroethene

Concen: 20.454 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW012320.D

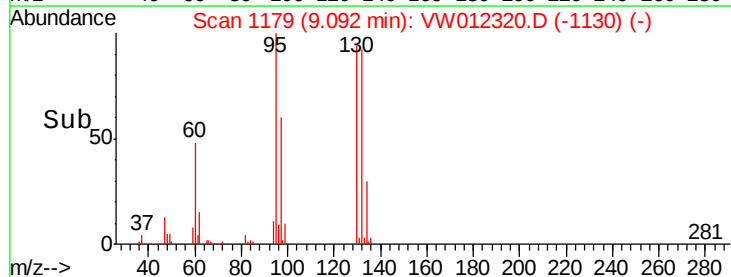
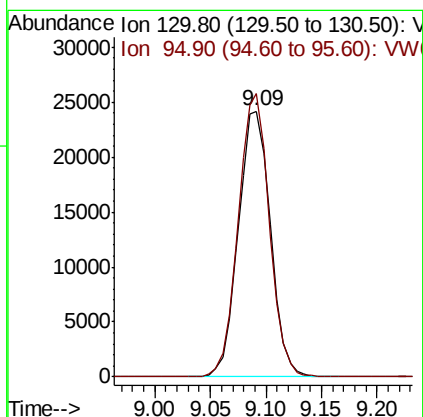
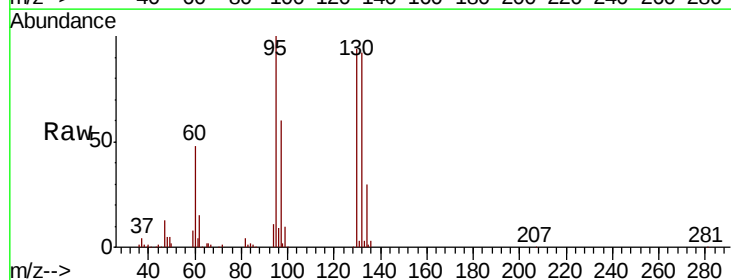
Acq: 29 Aug 2019 23:48

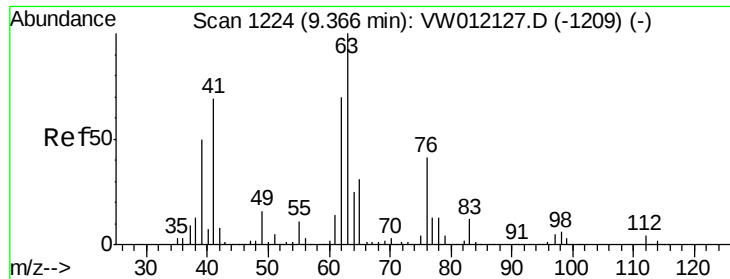
Tgt Ion: 130 Resp: 48317

Ion Ratio Lower Upper

130 100

95 106.6 0.0 210.6





#45

1,2-Dichloropropane

Concen: 21.337 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW012320.D

Acq: 29 Aug 2019 23:48

Instrument :

MSVOA_W

ClientSampleId :

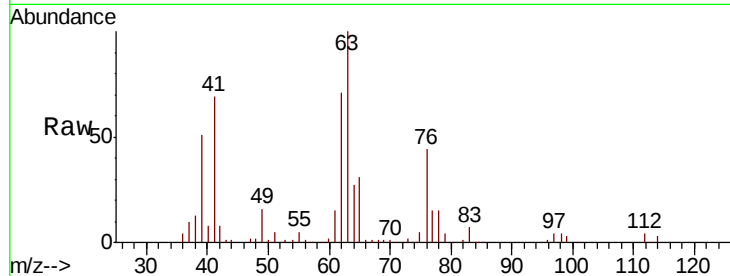
VW0829SBS02

Tgt Ion: 63 Resp: 55802

Ion Ratio Lower Upper

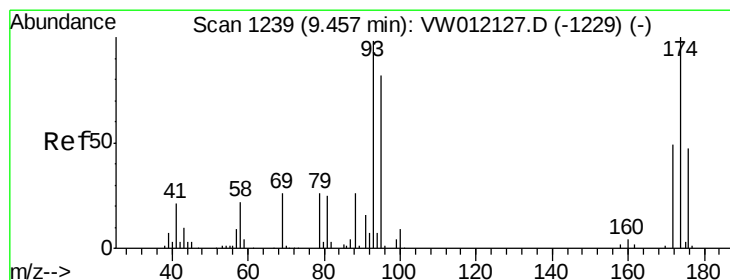
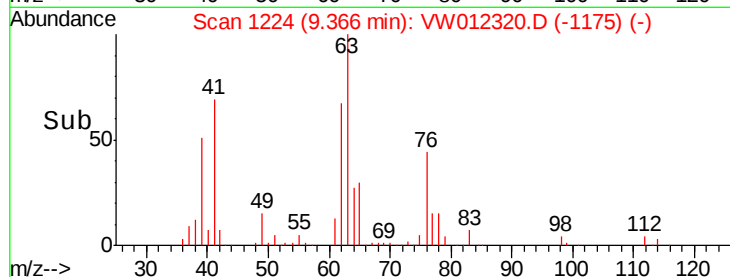
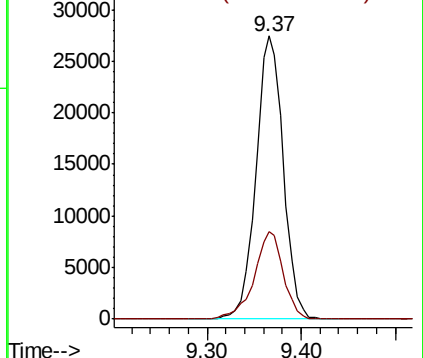
63 100

65 30.8 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 21.626 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW012320.D

Acq: 29 Aug 2019 23:48

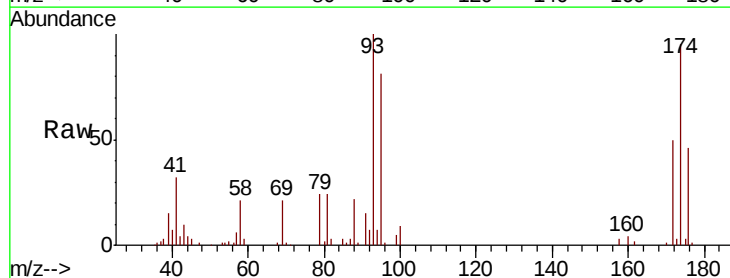
Tgt Ion: 93 Resp: 25164

Ion Ratio Lower Upper

93 100

95 80.4 67.2 100.8

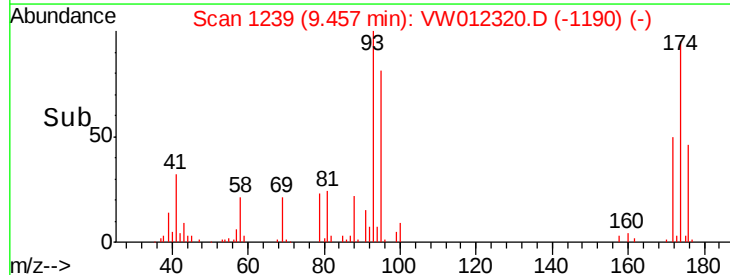
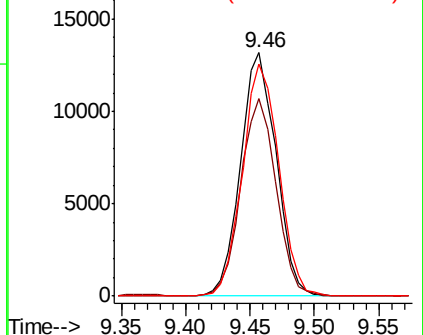
174 97.1 79.0 118.6

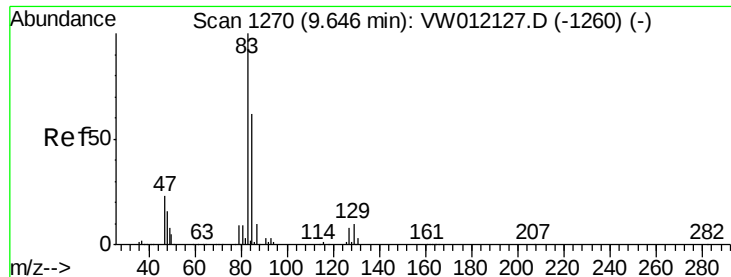


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.664 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012320.D

Acq: 29 Aug 2019 23:48

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS02

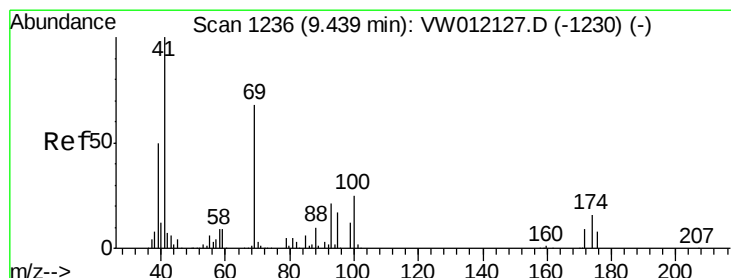
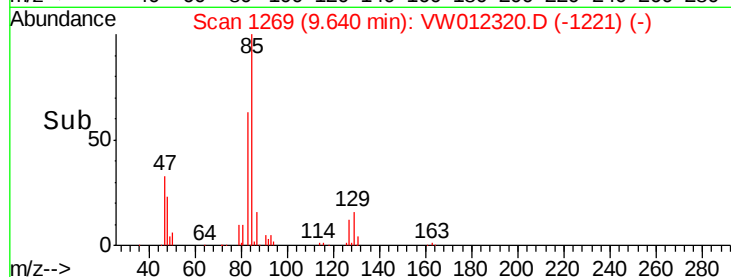
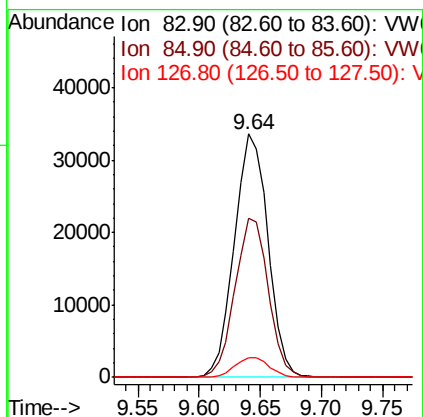
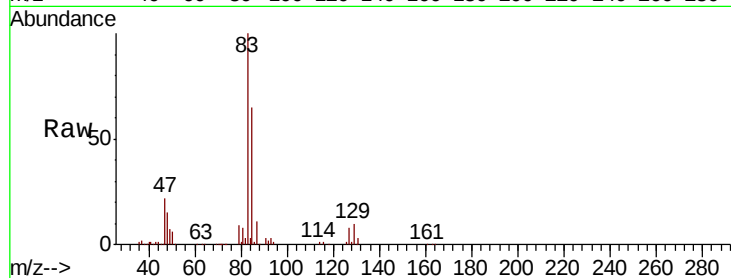
Tgt Ion: 83 Resp: 63993

Ion Ratio Lower Upper

83 100

85 65.1 49.4 74.2

127 7.9 6.1 9.1



#48

Methyl methacrylate

Concen: 21.301 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW012320.D

Acq: 29 Aug 2019 23:48

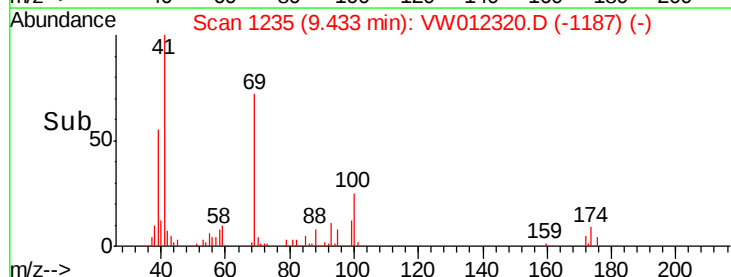
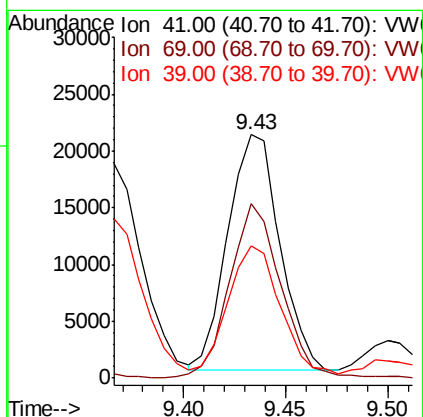
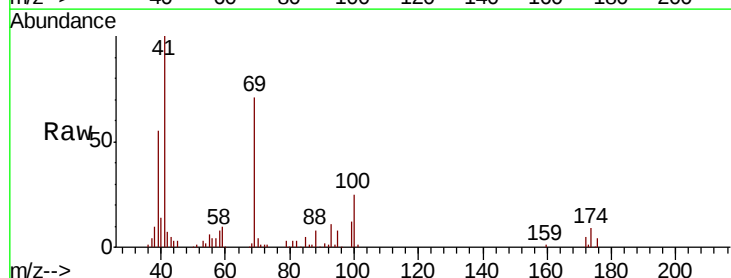
Tgt Ion: 41 Resp: 36622

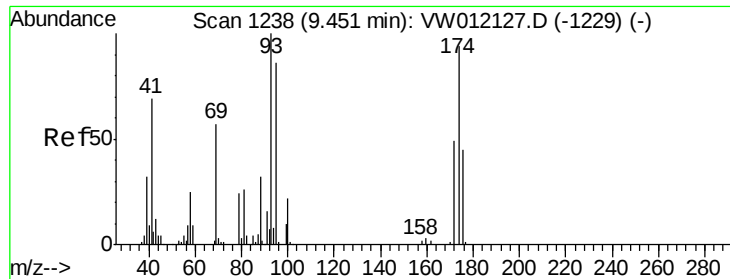
Ion Ratio Lower Upper

41 100

69 73.5 56.7 85.1

39 57.7 42.0 63.0

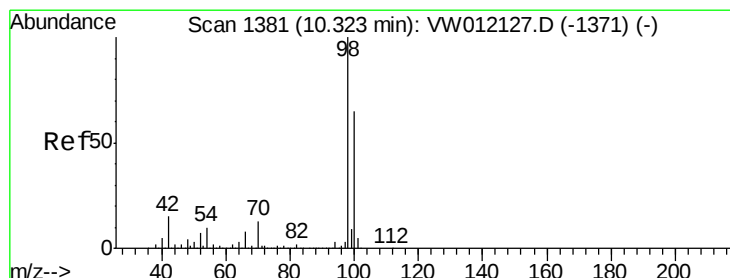
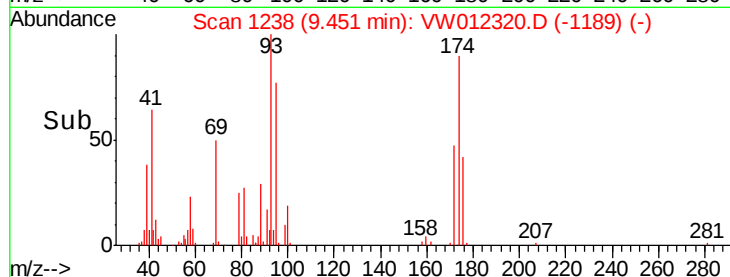
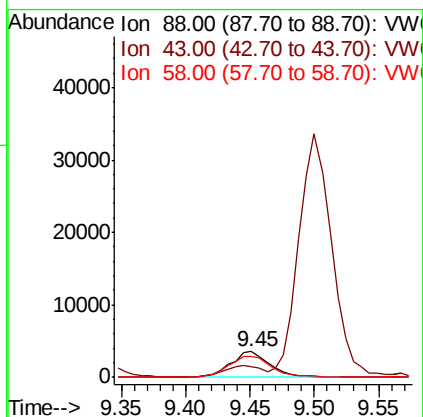
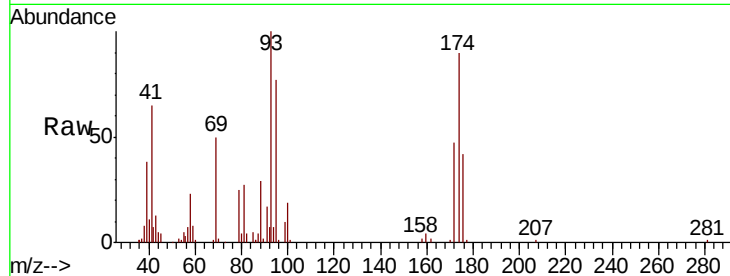




#49
 1,4-Dioxane
 Concen: 426.868 ug/l
 RT: 9.45 min Scan# 1238
 Delta R.T. -0.00 min
 Lab File: VW012320.D
 Acq: 29 Aug 2019 23:48

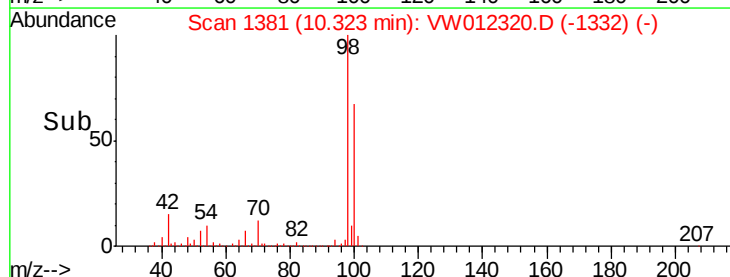
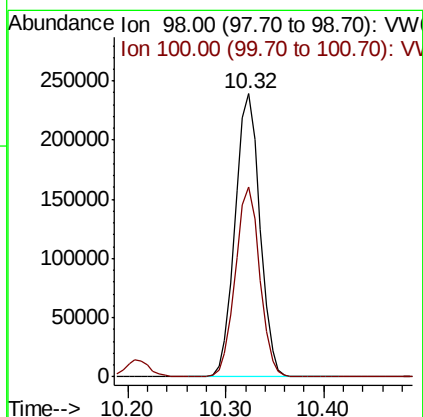
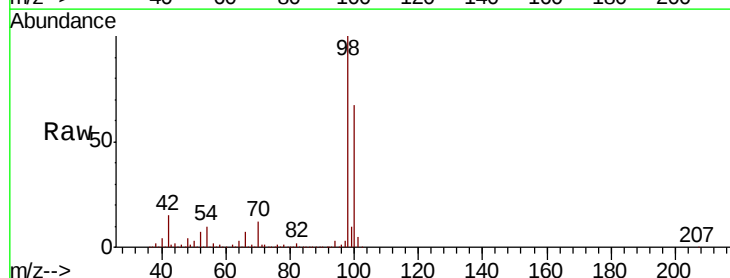
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS02

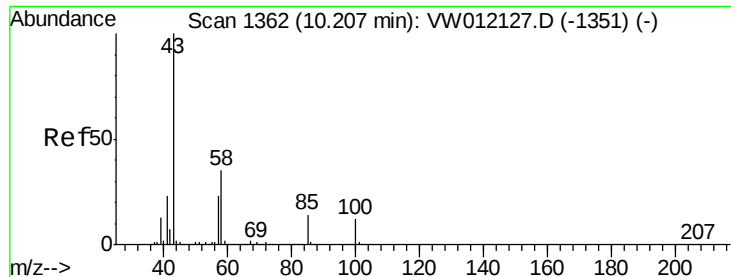
Tgt Ion: 88 Resp: 7604
 Ion Ratio Lower Upper
 88 100
 43 43.1 32.9 49.3
 58 91.9 71.0 106.4



#50
 Toluene-d8
 Concen: 50.613 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW012320.D
 Acq: 29 Aug 2019 23:48

Tgt Ion: 98 Resp: 421857
 Ion Ratio Lower Upper
 98 100
 100 65.9 52.4 78.6

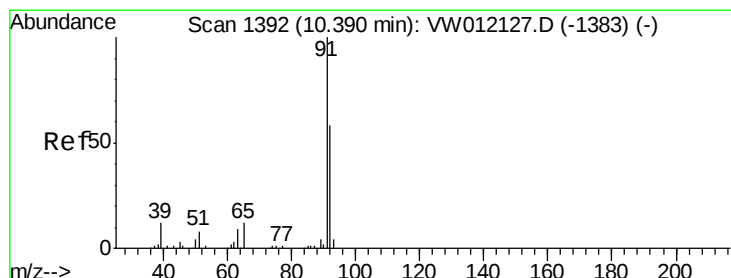
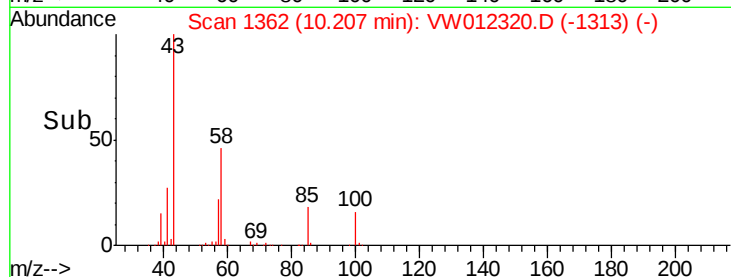
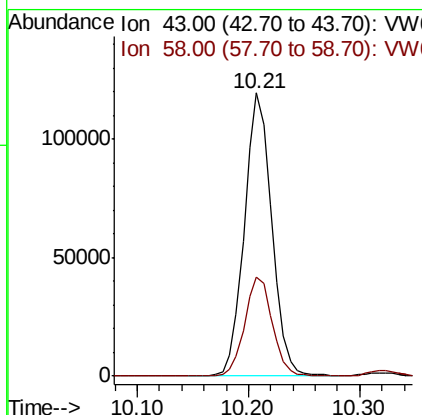
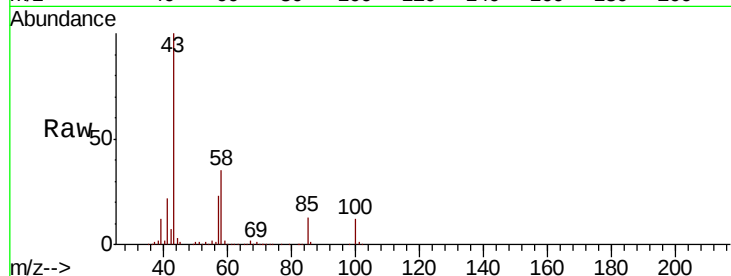




#51
 4-Methyl-2-Pentanone
 Concen: 110.821 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW012320.D
 Acq: 29 Aug 2019 23:48

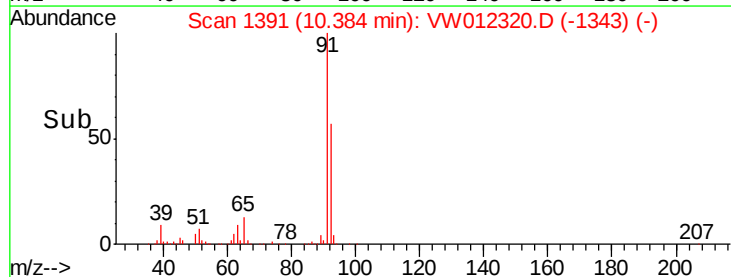
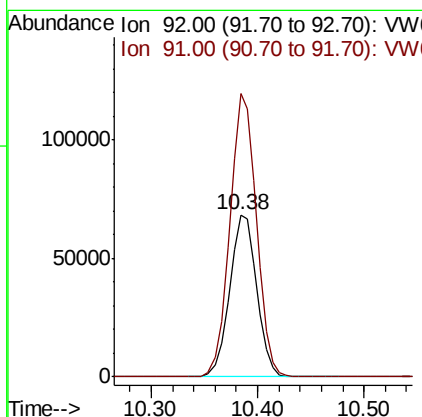
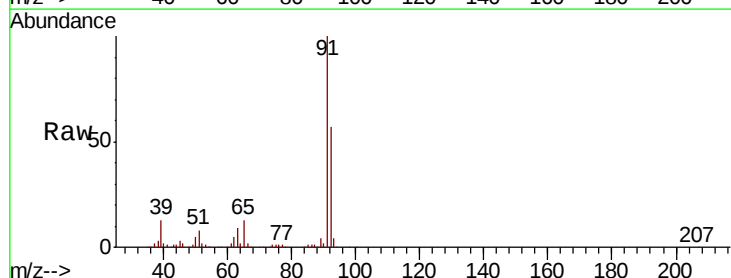
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS02

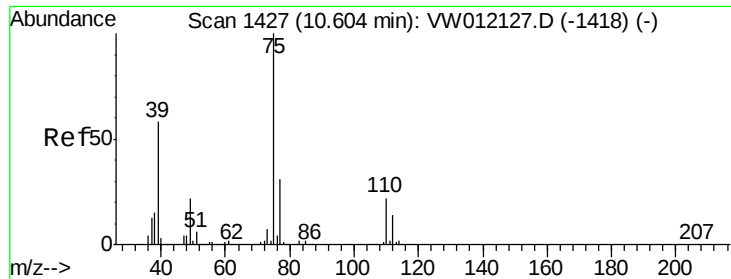
Tgt Ion: 43 Resp: 203613
 Ion Ratio Lower Upper
 43 100
 58 35.3 28.2 42.2



#52
 Toluene
 Concen: 20.870 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VW012320.D
 Acq: 29 Aug 2019 23:48

Tgt Ion: 92 Resp: 121833
 Ion Ratio Lower Upper
 92 100
 91 171.8 136.6 204.8





#53

t-1,3-Dichloropropene

Concen: 20.493 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012320.D

Acq: 29 Aug 2019 23:48

Instrument :

MSVOA_W

ClientSampleId :

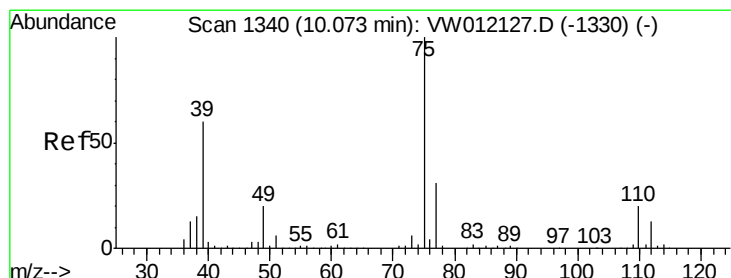
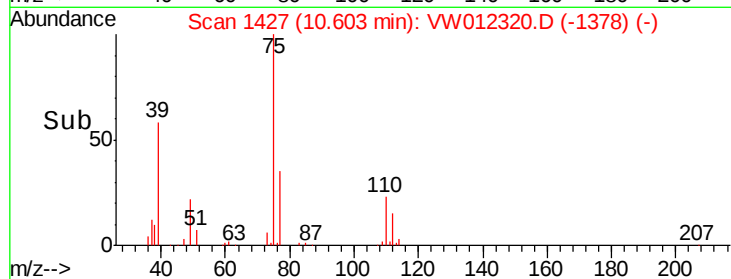
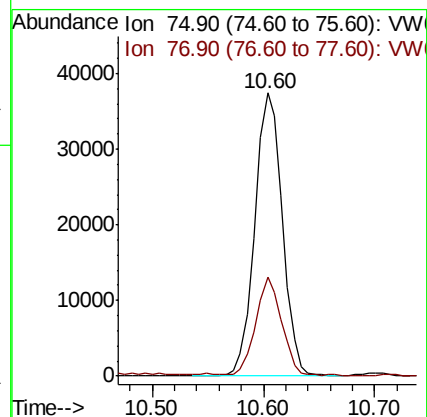
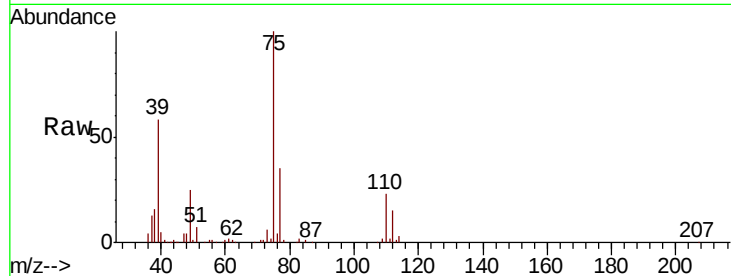
VW0829SBS02

Tgt Ion: 75 Resp: 64647

Ion Ratio Lower Upper

75 100

77 34.7 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 20.758 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012320.D

Acq: 29 Aug 2019 23:48

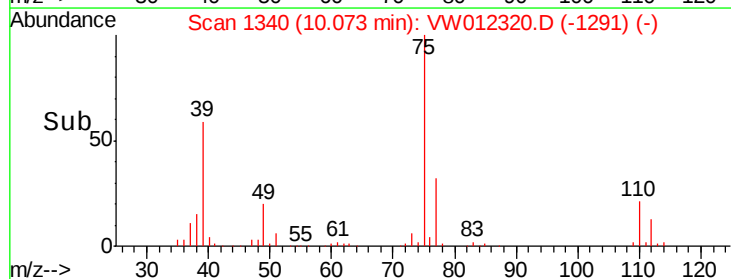
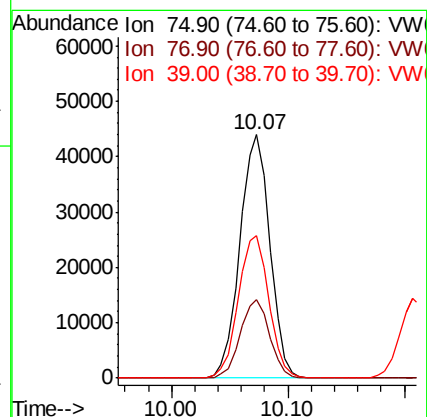
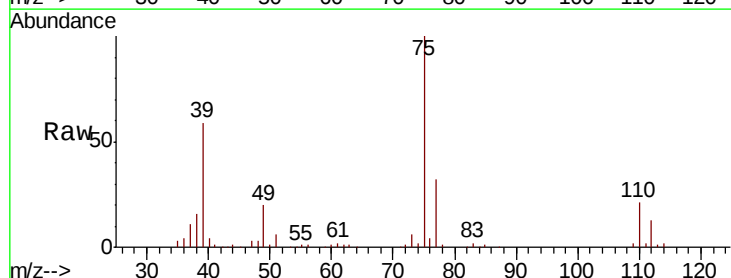
Tgt Ion: 75 Resp: 79065

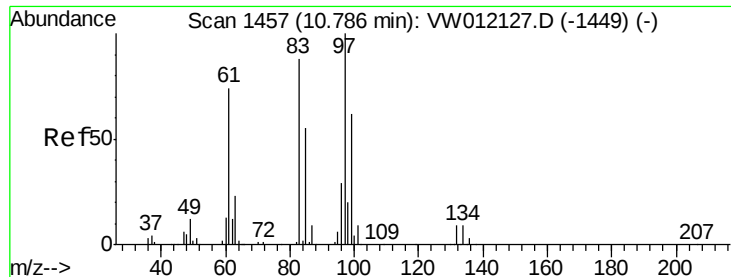
Ion Ratio Lower Upper

75 100

77 32.2 25.1 37.7

39 58.6 48.3 72.5

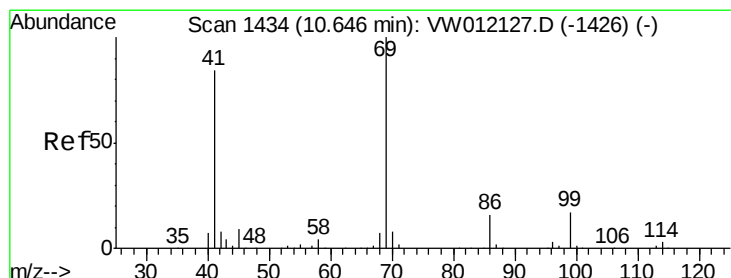
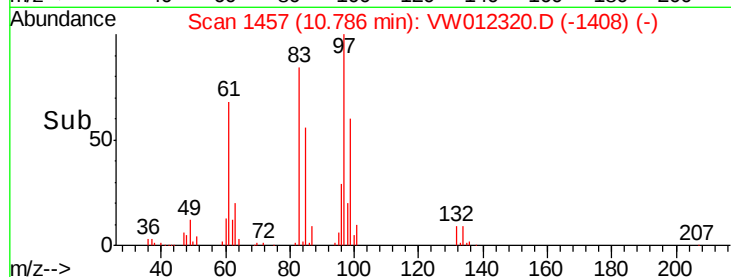
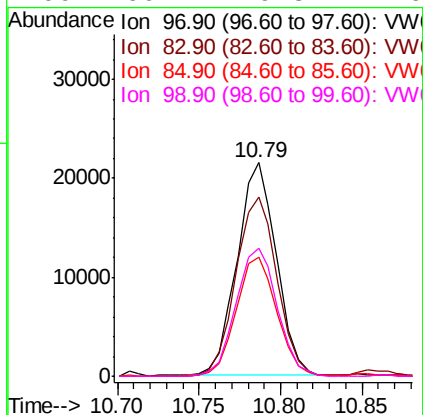
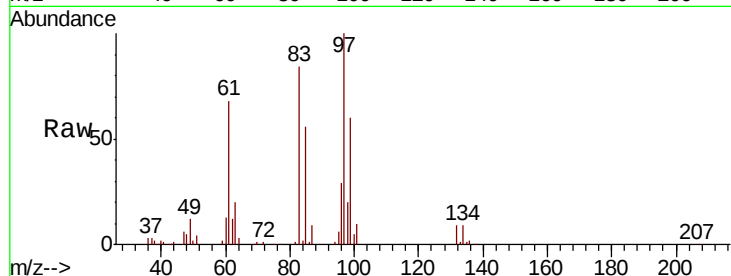




#55
 1,1,2-Trichloroethane
 Concen: 21.861 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012320.D
 Acq: 29 Aug 2019 23:48

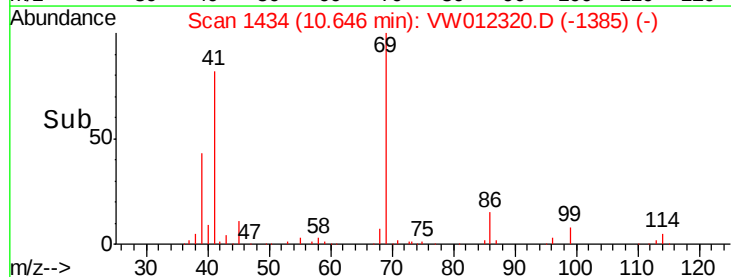
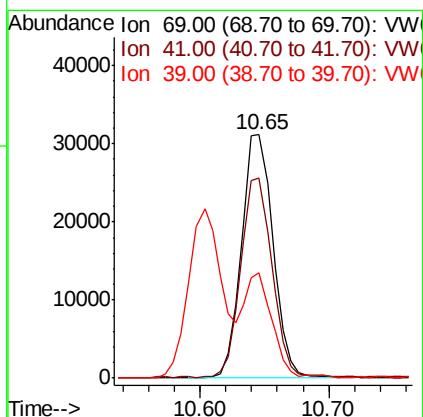
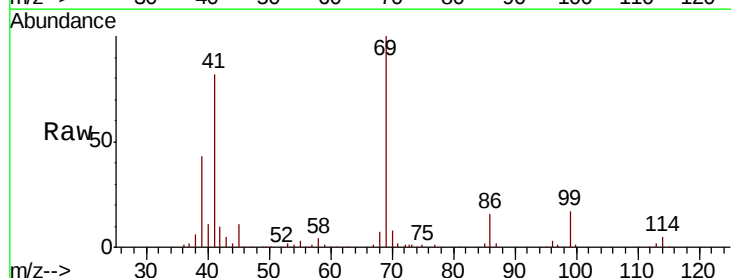
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS02

Tgt Ion:	97	Resp:	35991
Ion	Ratio	Lower	Upper
97	100		
83	84.1	70.8	106.2
85	55.5	43.8	65.8
99	60.2	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 22.053 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012320.D
 Acq: 29 Aug 2019 23:48

Tgt Ion:	69	Resp:	52841
Ion	Ratio	Lower	Upper
69	100		
41	81.1	66.5	99.7
39	37.6	31.0	46.4

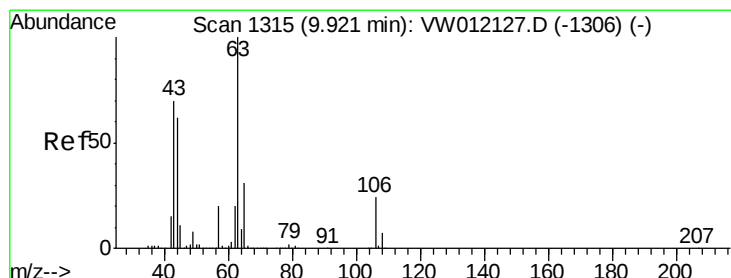
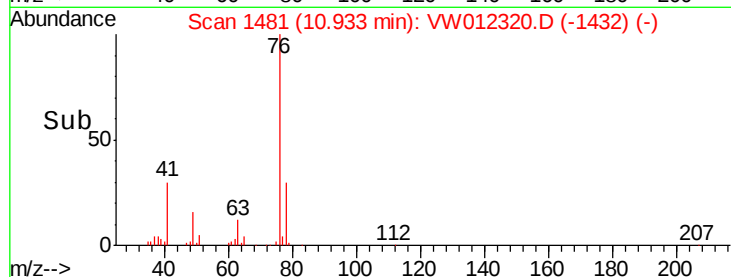
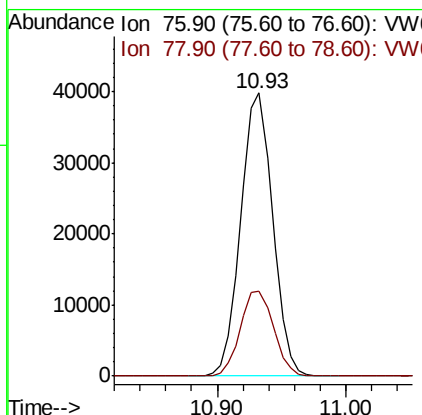
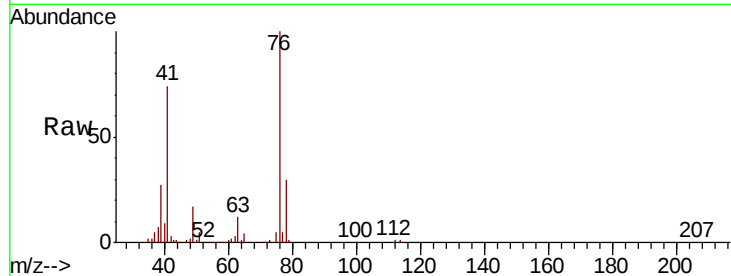




#57
 1,3-Dichloropropane
 Concen: 21.987 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012320.D
 Acq: 29 Aug 2019 23:48

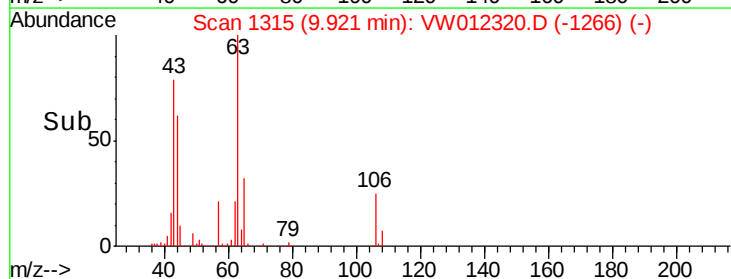
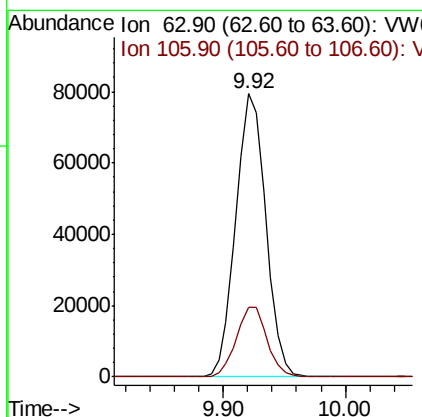
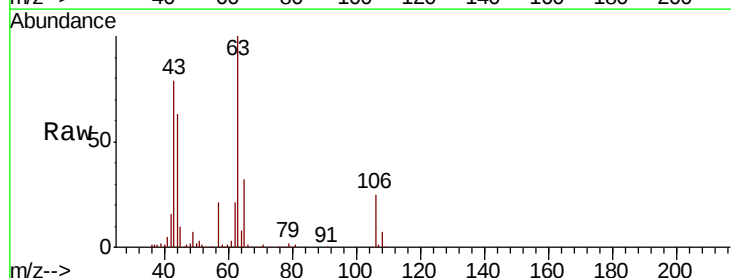
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS02

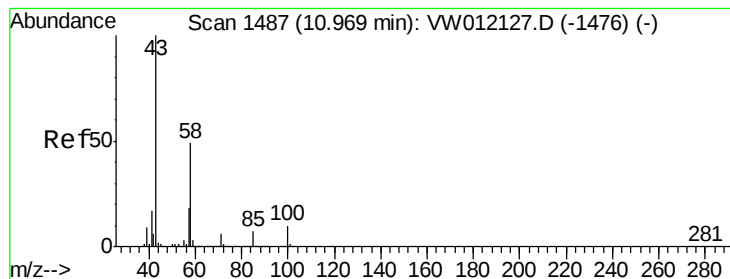
Tgt Ion: 76 Resp: 68404
 Ion Ratio Lower Upper
 76 100
 78 31.5 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 110.204 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012320.D
 Acq: 29 Aug 2019 23:48

Tgt Ion: 63 Resp: 135522
 Ion Ratio Lower Upper
 63 100
 106 25.1 19.8 29.8





#59

2-Hexanone

Concen: 106.880 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW012320.D

Acq: 29 Aug 2019 23:48

Instrument :

MSVOA_W

ClientSampleId :

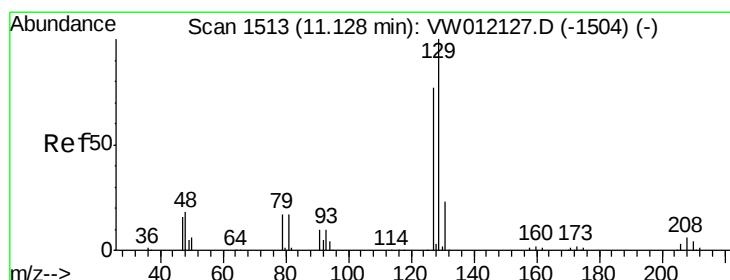
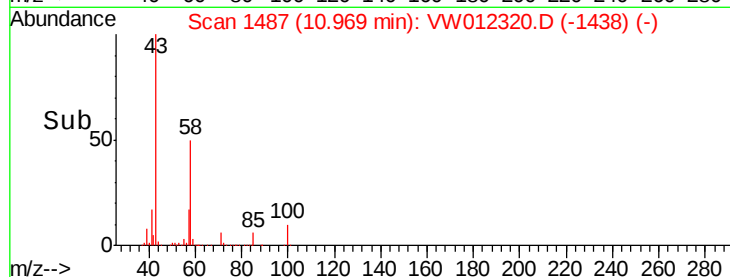
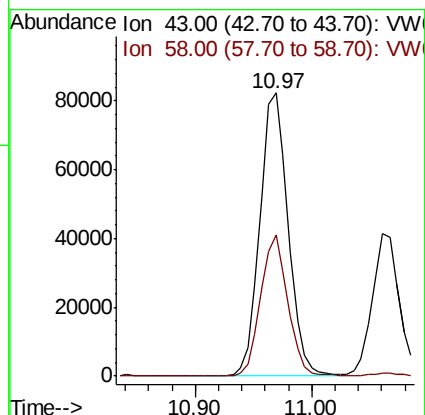
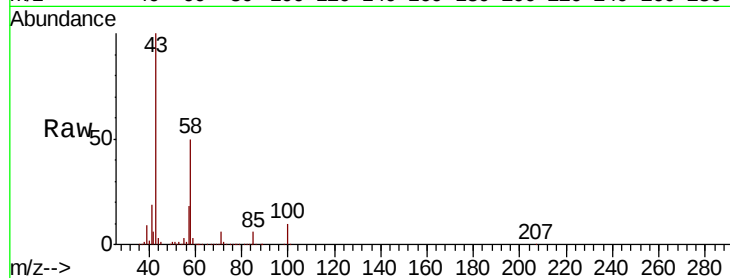
VW0829SBS02

Tgt Ion: 43 Resp: 138946

Ion Ratio Lower Upper

43 100

58 47.8 24.3 72.9



#60

Dibromochloromethane

Concen: 21.202 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW012320.D

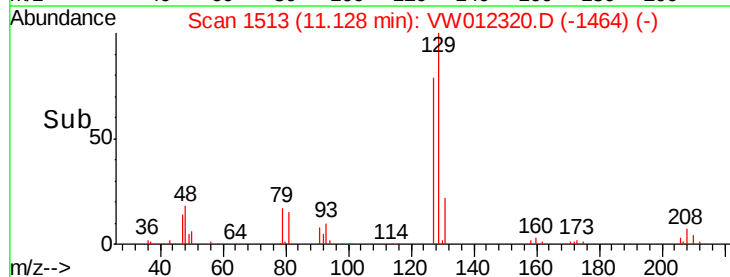
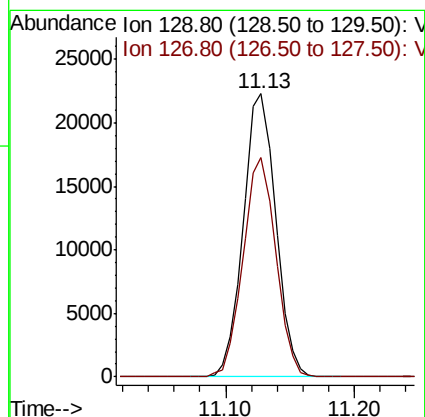
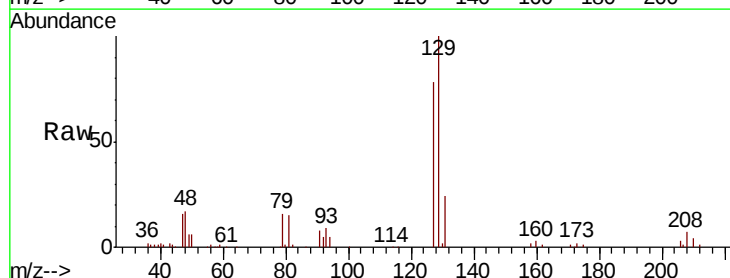
Acq: 29 Aug 2019 23:48

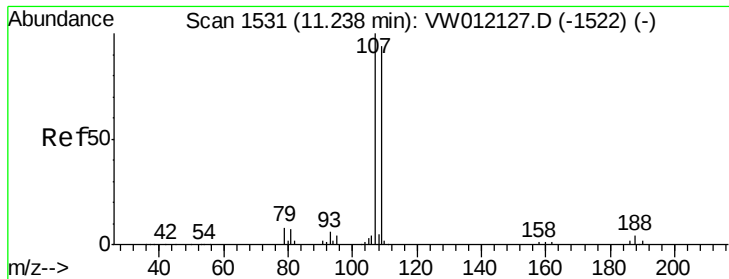
Tgt Ion: 129 Resp: 38880

Ion Ratio Lower Upper

129 100

127 77.7 38.6 115.8





#61

1,2-Dibromoethane

Concen: 22.103 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW012320.D

Acq: 29 Aug 2019 23:48

Instrument :

MSVOA_W

ClientSampleId :

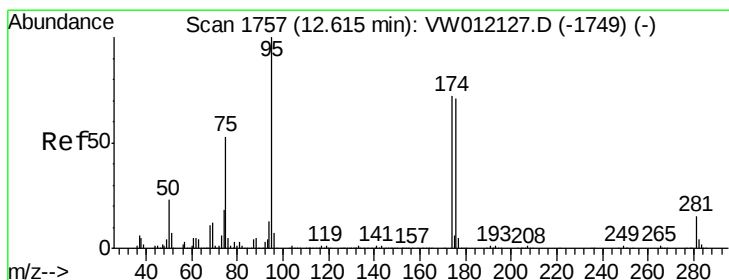
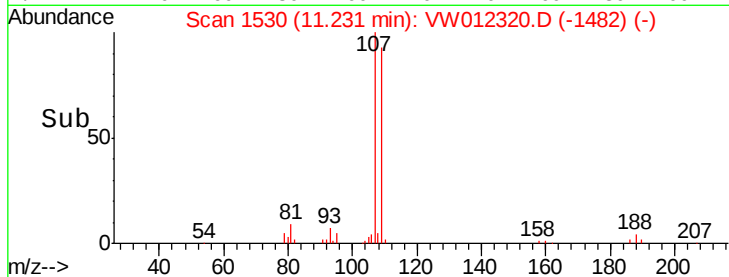
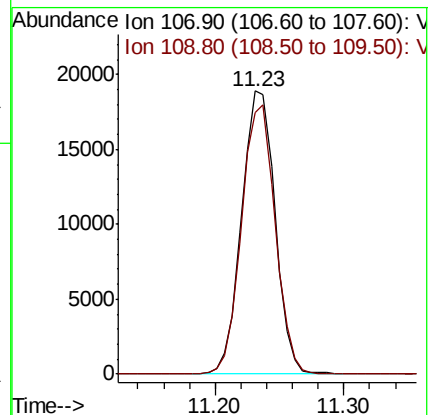
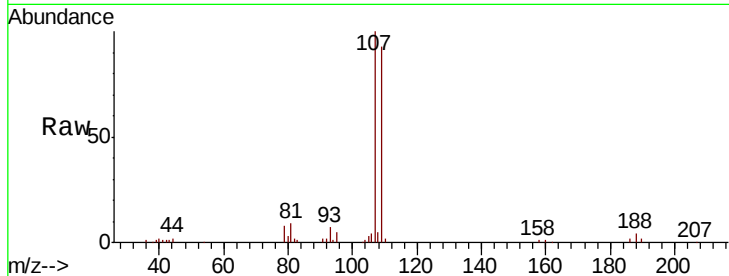
VW0829SBS02

Tgt Ion: 107 Resp: 33901

Ion Ratio Lower Upper

107 100

109 95.9 75.4 113.2



#62

4-Bromofluorobenzene

Concen: 51.041 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012320.D

Acq: 29 Aug 2019 23:48

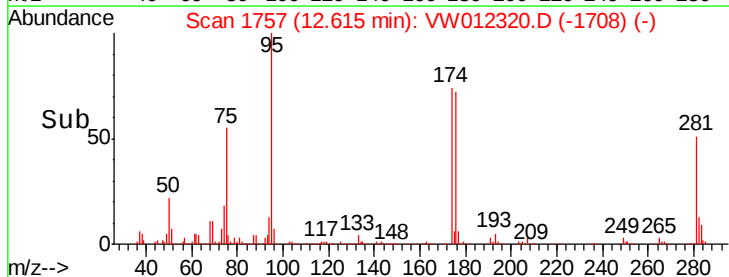
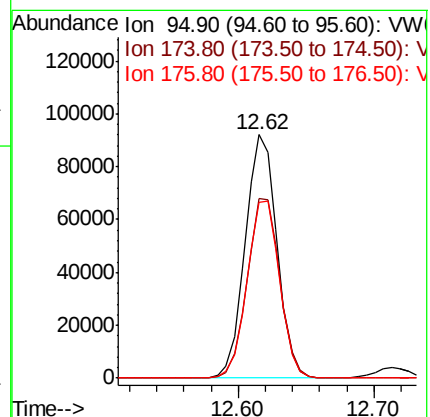
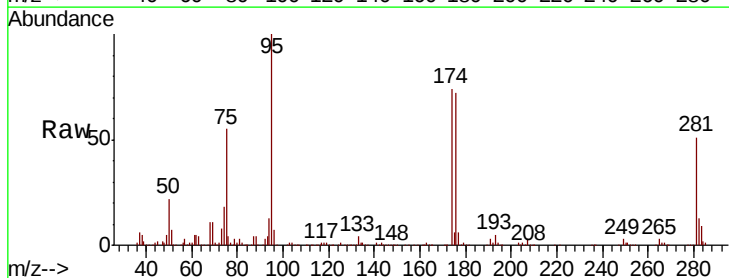
Tgt Ion: 95 Resp: 149962

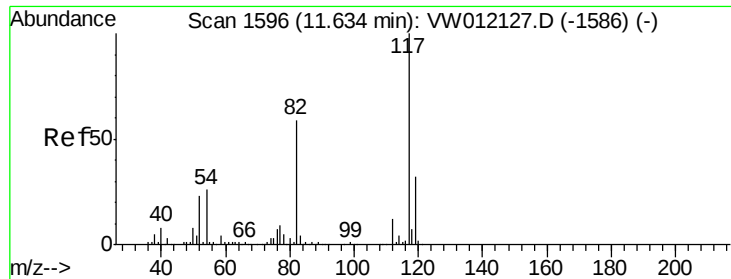
Ion Ratio Lower Upper

95 100

174 76.1 0.0 150.8

176 75.0 0.0 148.6

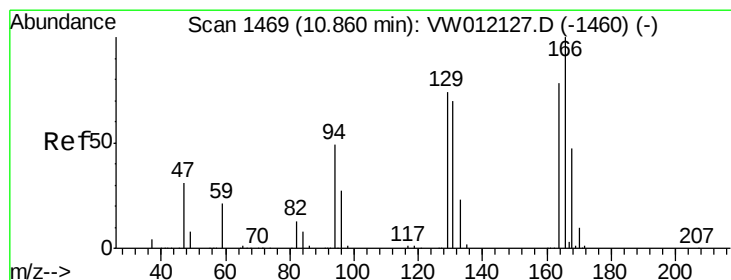
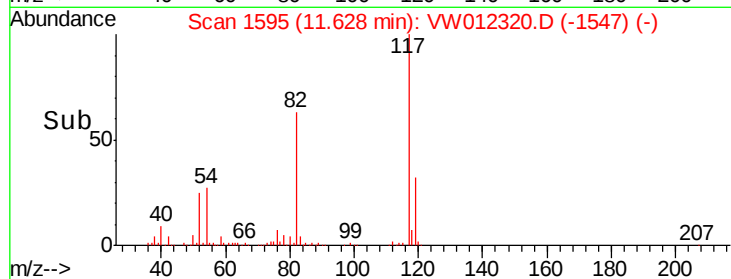
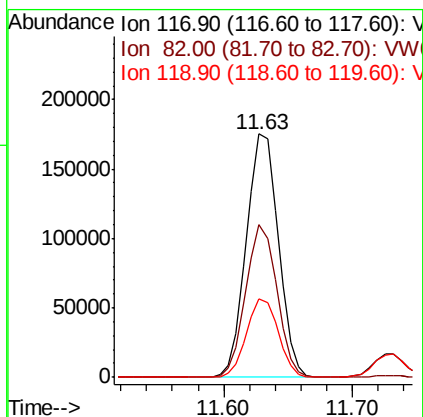
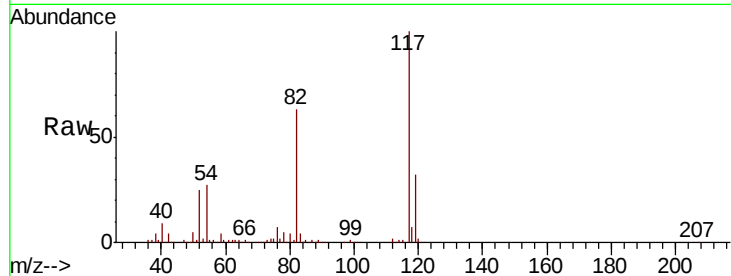




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

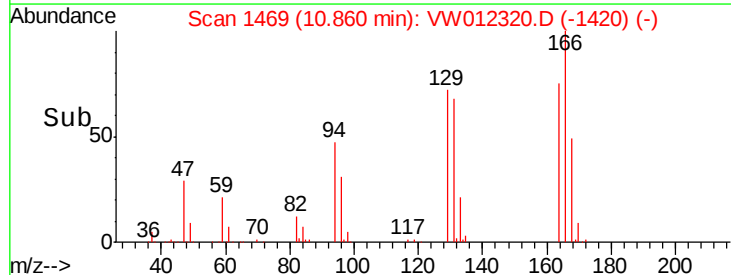
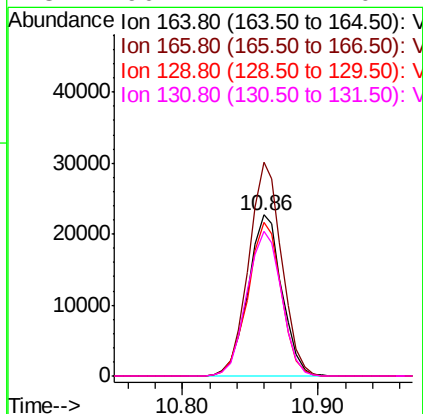
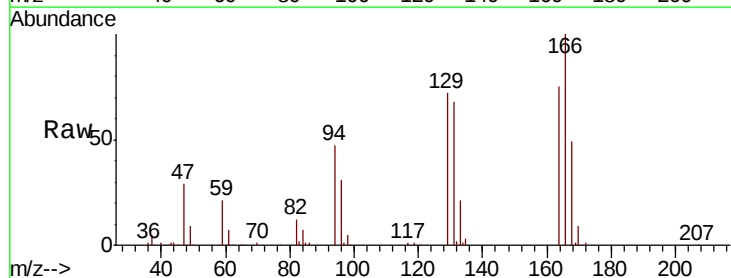
Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS02

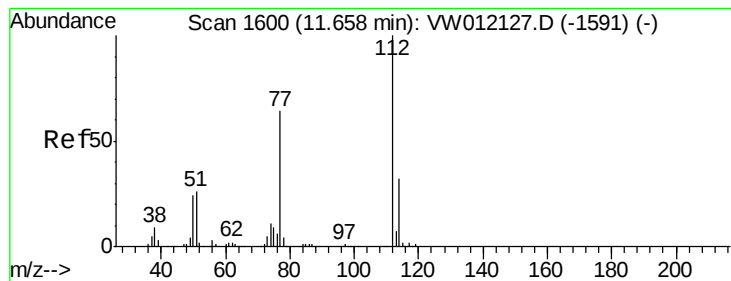
Tgt Ion:117 Resp: 301648
Ion Ratio Lower Upper
117 100
82 62.6 47.4 71.2
119 32.0 25.4 38.2



#64
Tetrachloroethene
Concen: 20.215 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

Tgt Ion:164 Resp: 39533
Ion Ratio Lower Upper
164 100
166 132.9 102.4 153.6
129 95.8 75.8 113.6
131 90.4 71.4 107.2





#65

Chlorobenzene

Concen: 21.288 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW012320.D

Acq: 29 Aug 2019 23:48

Instrument :

MSVOA_W

ClientSampleId :

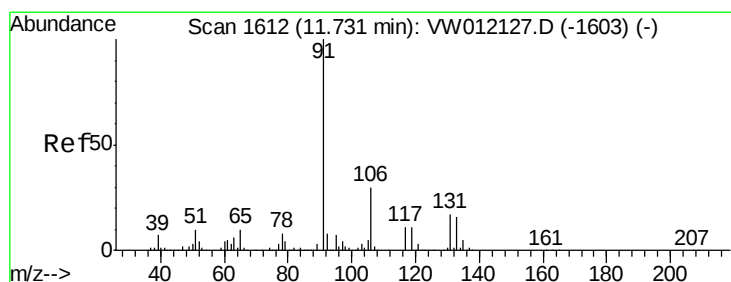
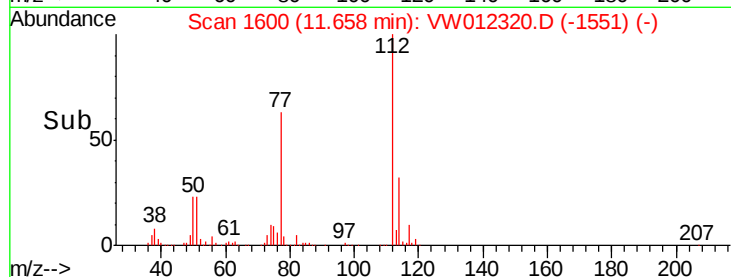
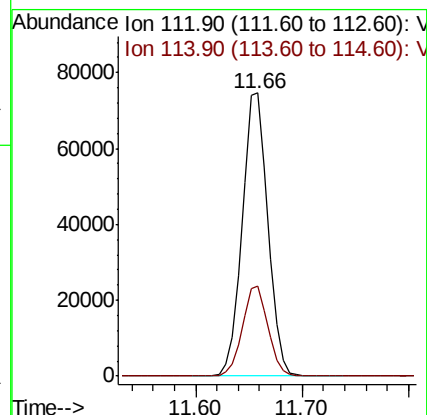
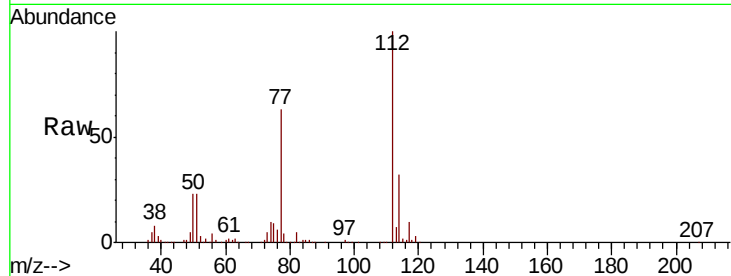
VW0829SBS02

Tgt Ion:112 Resp: 126443

Ion Ratio Lower Upper

112 100

114 31.9 25.8 38.6



#66

1,1,1,2-Tetrachloroethane

Concen: 21.273 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW012320.D

Acq: 29 Aug 2019 23:48

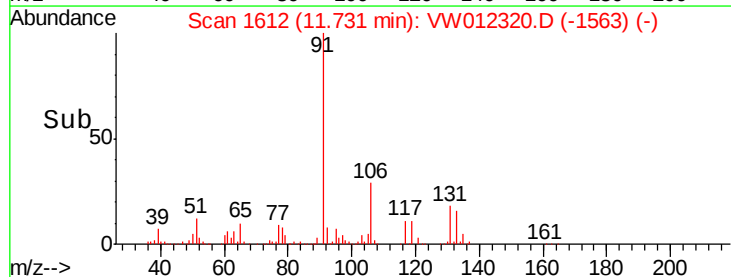
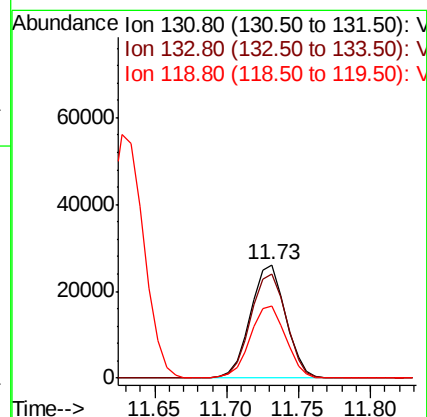
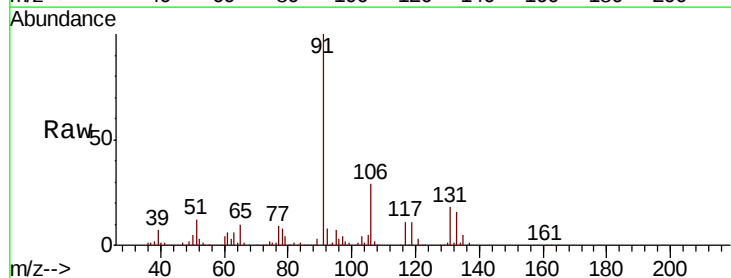
Tgt Ion:131 Resp: 44080

Ion Ratio Lower Upper

131 100

133 93.5 47.1 141.3

119 64.4 31.8 95.3

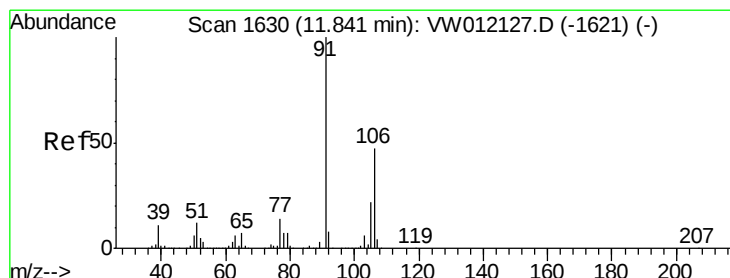
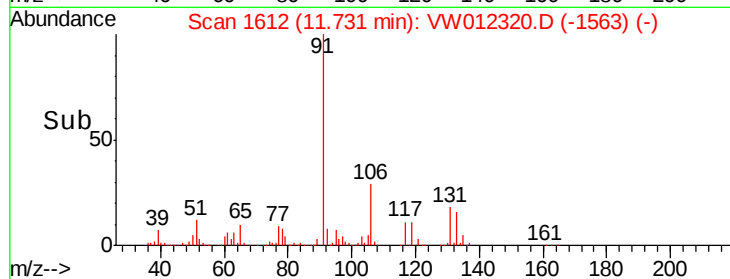
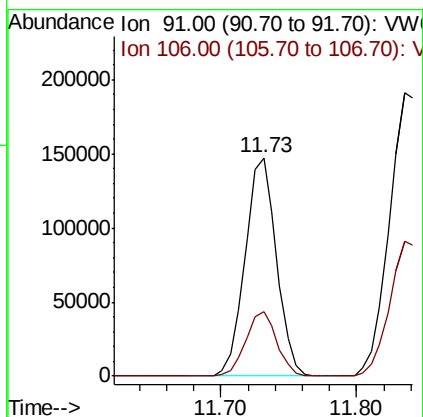
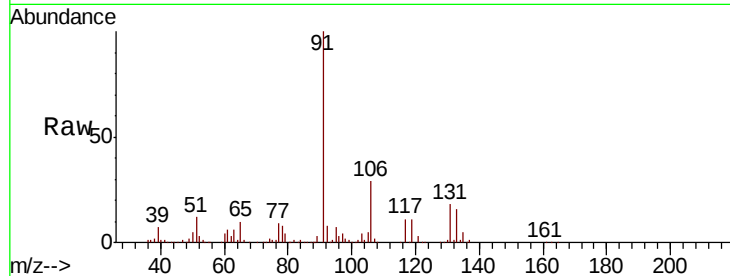




#67
Ethyl Benzene
Concen: 20.782 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

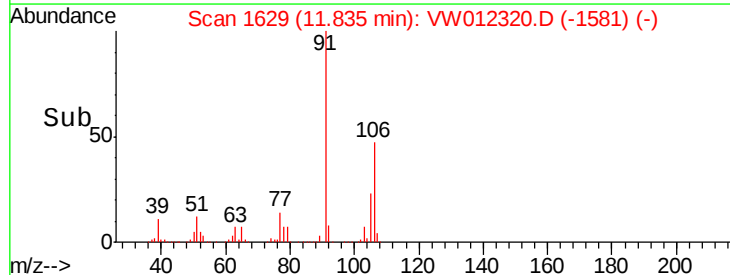
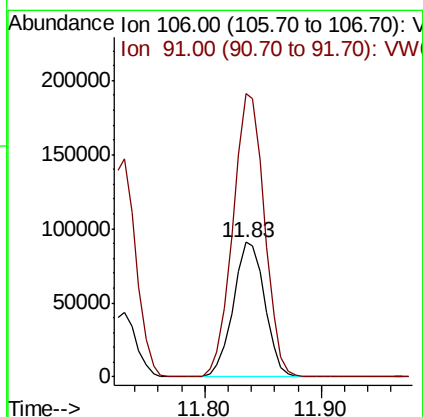
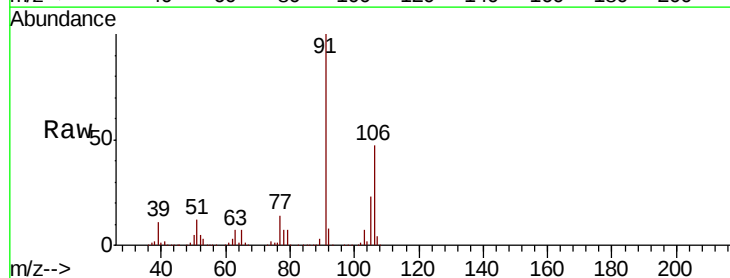
Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS02

Tgt Ion: 91 Resp: 237781
Ion Ratio Lower Upper
91 100
106 29.4 24.3 36.5



#68
m/p-Xylenes
Concen: 41.543 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

Tgt Ion: 106 Resp: 171220
Ion Ratio Lower Upper
106 100
91 210.9 169.5 254.3

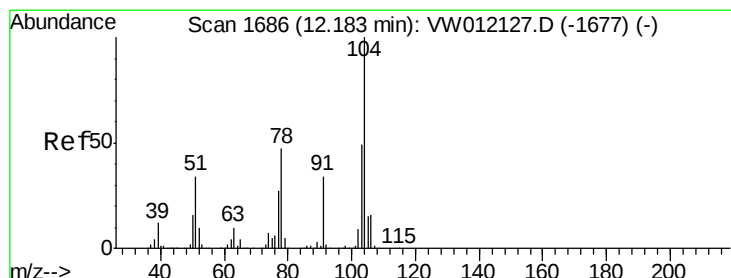
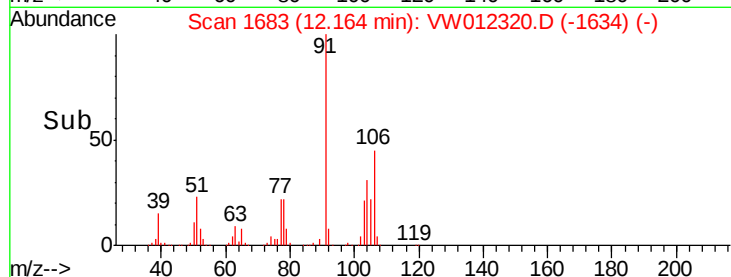
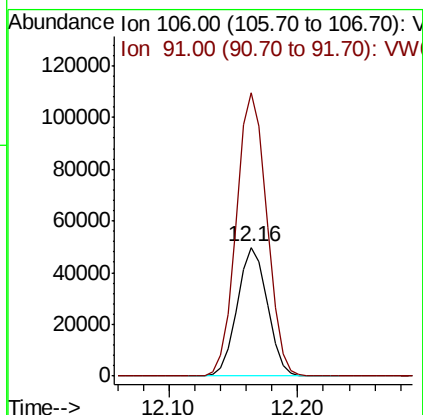
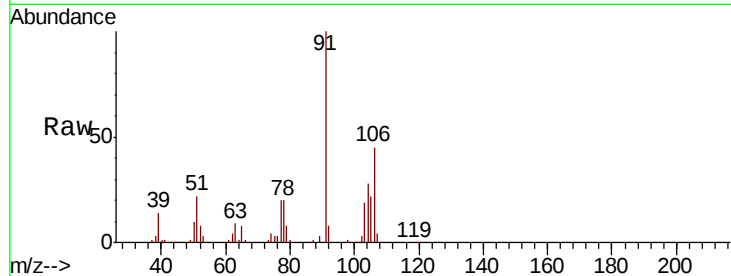




#69
o-Xylene
Concen: 21.075 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

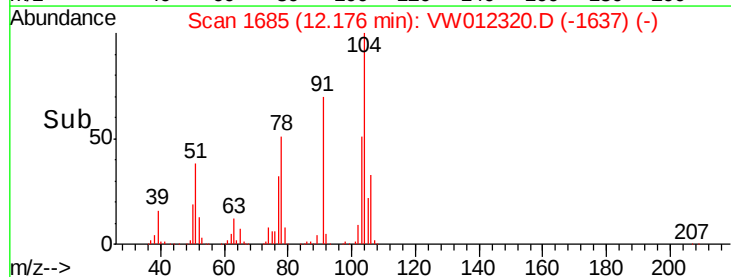
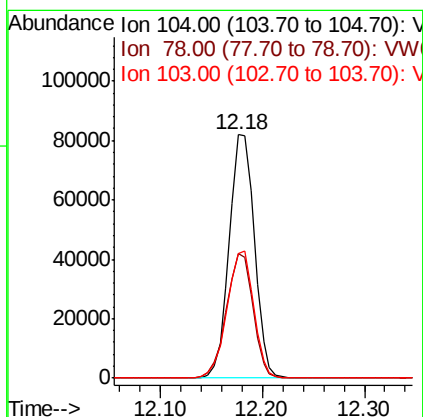
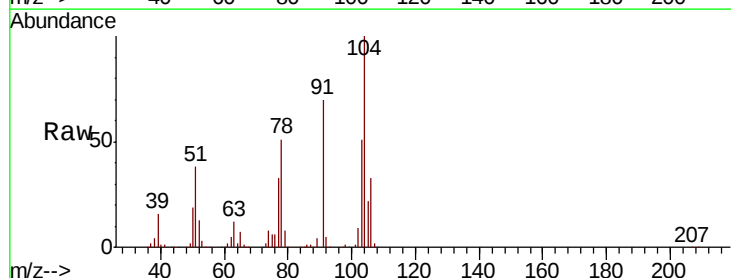
Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS02

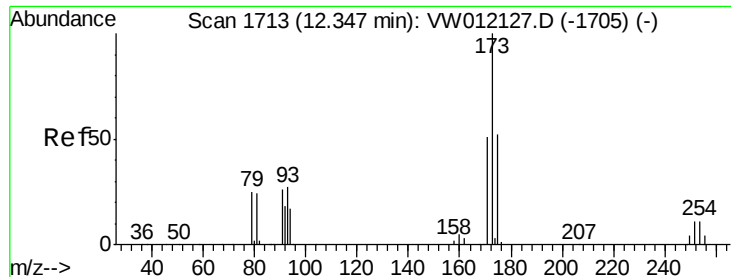
Tgt Ion:106 Resp: 80392
Ion Ratio Lower Upper
106 100
91 223.7 111.6 334.6



#70
Styrene
Concen: 21.165 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

Tgt Ion:104 Resp: 139743
Ion Ratio Lower Upper
104 100
78 54.0 43.1 64.7
103 55.2 43.5 65.3





#71

Bromoform

Concen: 21.194 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012320.D

Acq: 29 Aug 2019 23:48

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS02

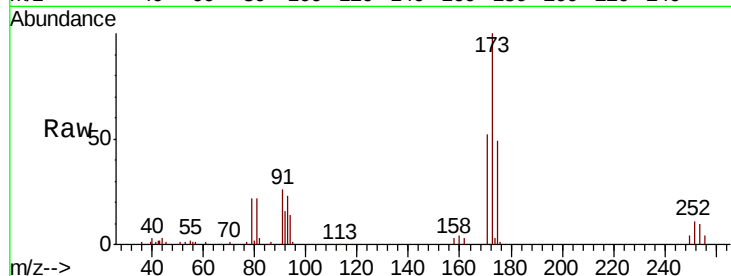
Tgt Ion:173 Resp: 21881

Ion Ratio Lower Upper

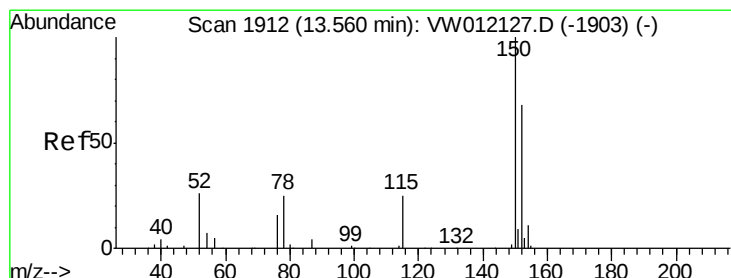
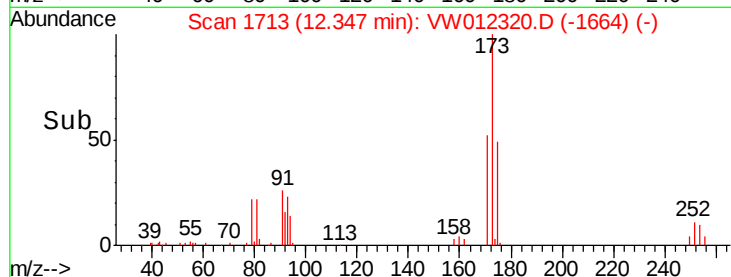
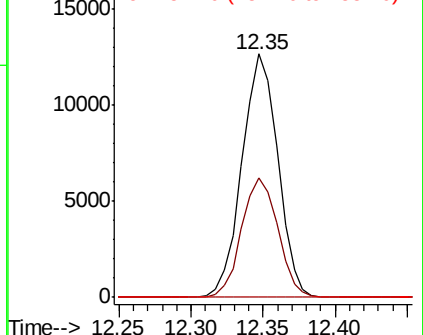
173 100

175 49.7 24.6 74.0

254 0.1 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012320.D

Acq: 29 Aug 2019 23:48

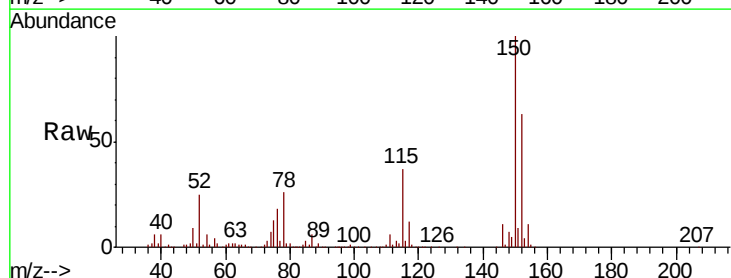
Tgt Ion:152 Resp: 145417

Ion Ratio Lower Upper

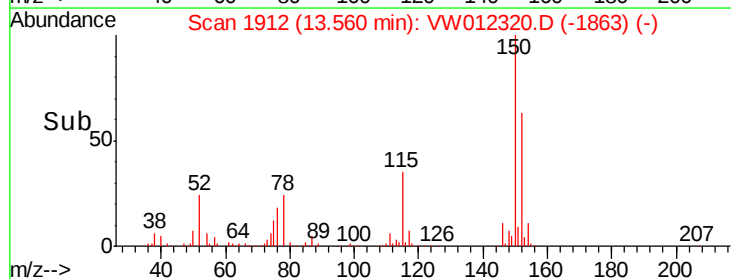
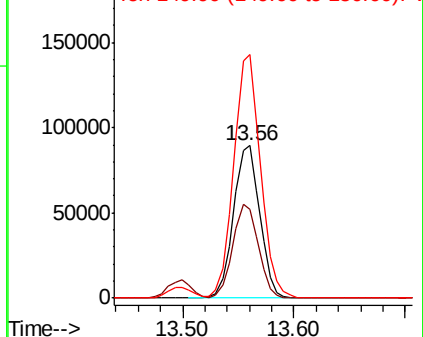
152 100

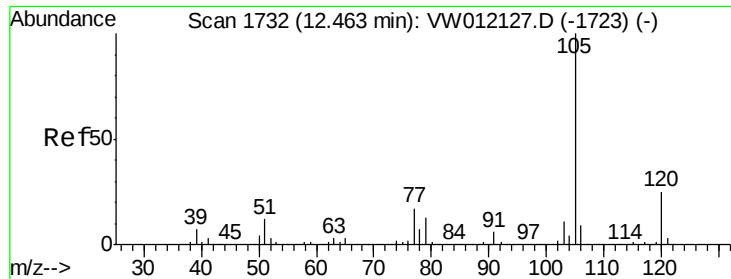
115 60.0 30.1 90.3

150 163.6 0.0 345.8



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





#73

Isopropylbenzene

Concen: 20.738 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012320.D

Acq: 29 Aug 2019 23:48

Instrument :

MSVOA_W

ClientSampleId :

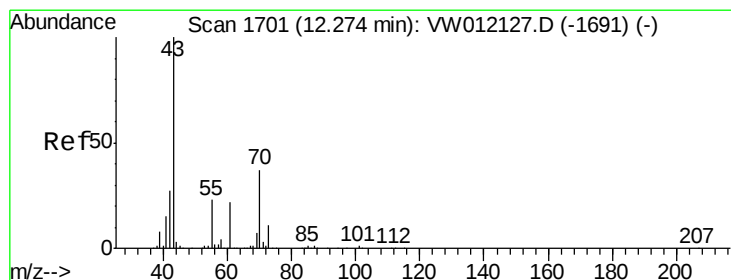
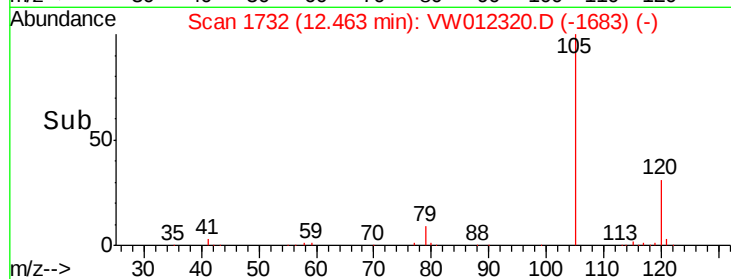
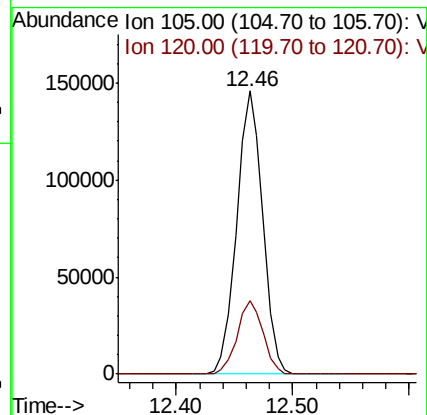
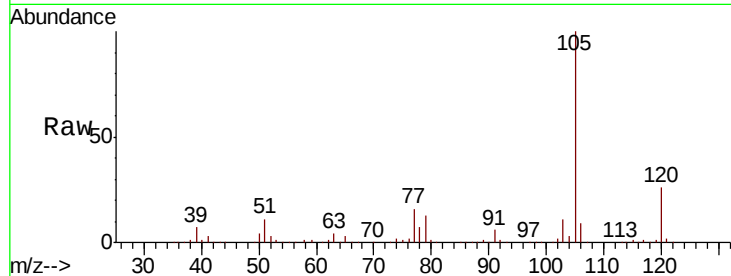
VW0829SBS02

Tgt Ion:105 Resp: 225972

Ion Ratio Lower Upper

105 100

120 25.7 12.5 37.5



#74

N-ethyl acetate

Concen: 21.570 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.01 min

Lab File: VW012320.D

Acq: 29 Aug 2019 23:48

Tgt Ion: 43 Resp: 71011

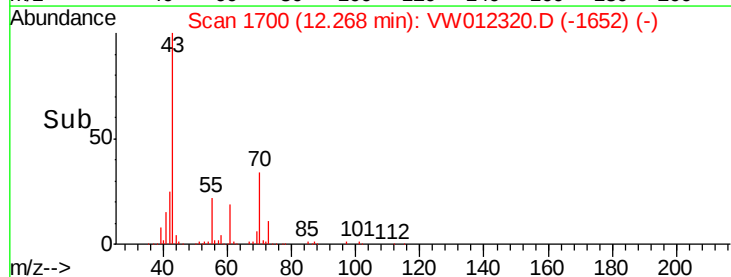
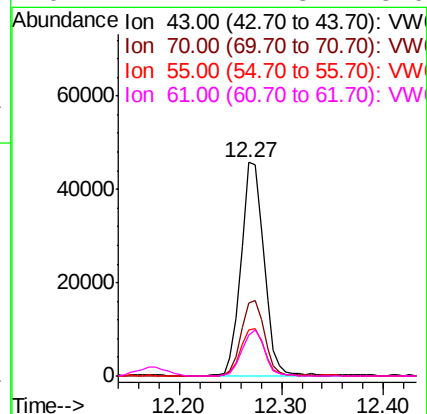
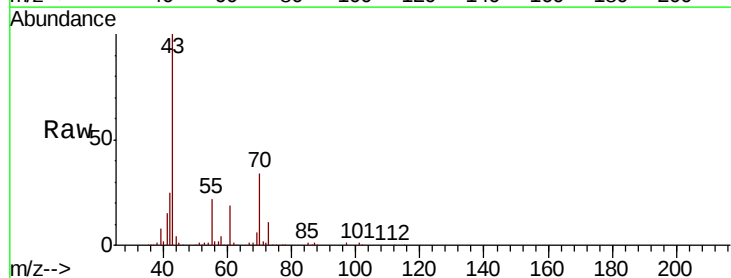
Ion Ratio Lower Upper

43 100

70 35.6 28.6 43.0

55 23.1 17.8 26.6

61 21.2 17.3 25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 21.523 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012320.D

Acq: 29 Aug 2019 23:48

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS02

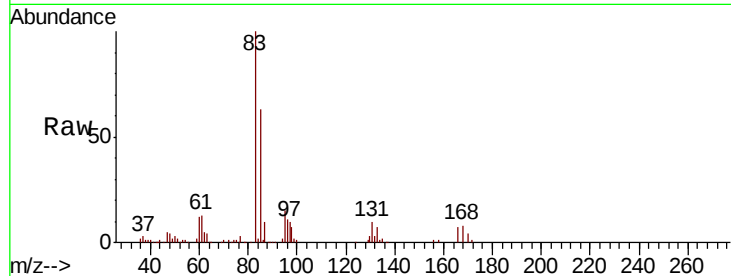
Tgt Ion: 83 Resp: 42995

Ion Ratio Lower Upper

83 100

131 10.2 4.9 14.7

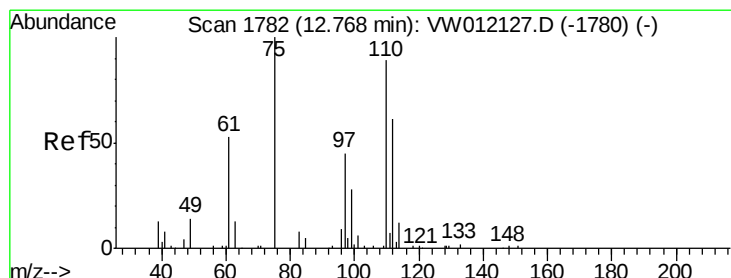
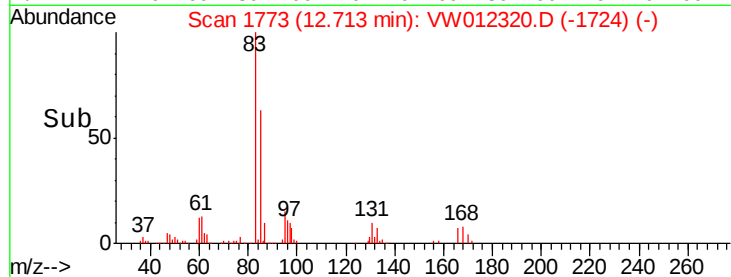
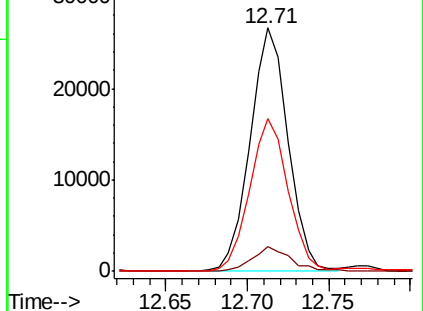
85 63.3 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 40.099 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW012320.D

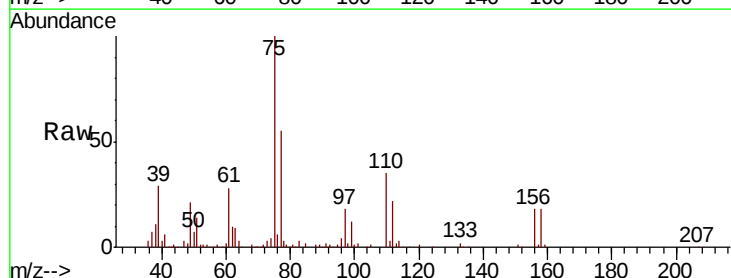
Acq: 29 Aug 2019 23:48

Tgt Ion: 75 Resp: 56790

Ion Ratio Lower Upper

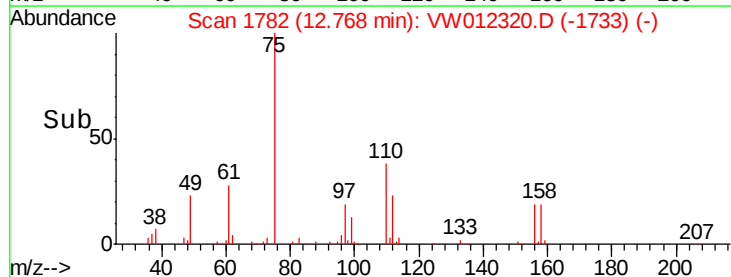
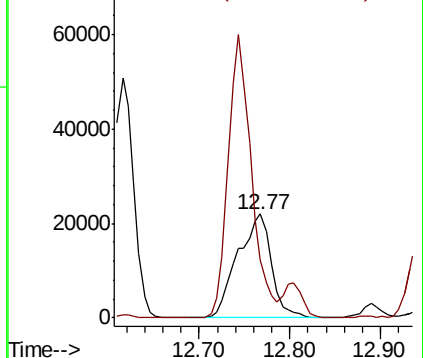
75 100

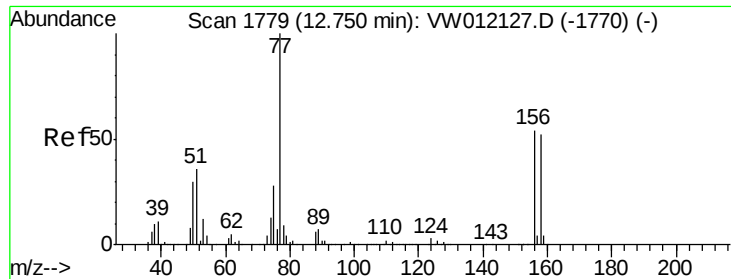
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

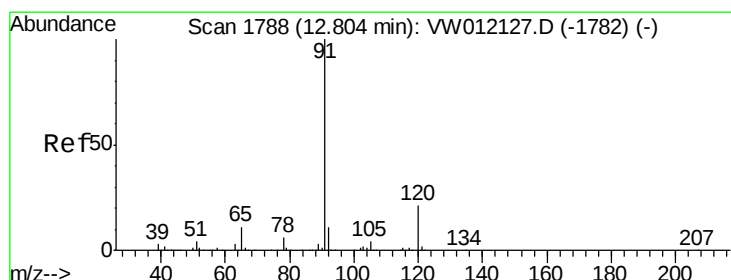
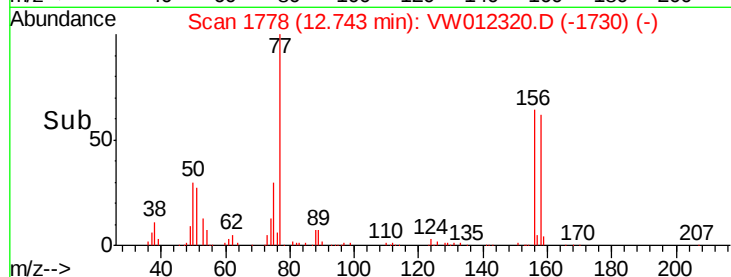
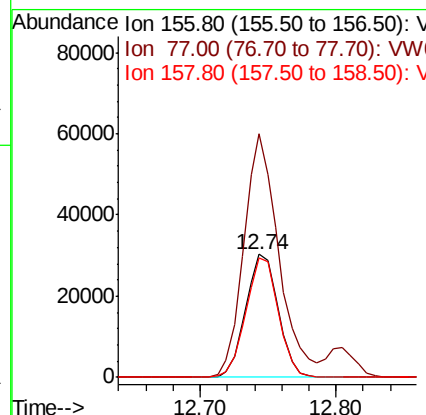
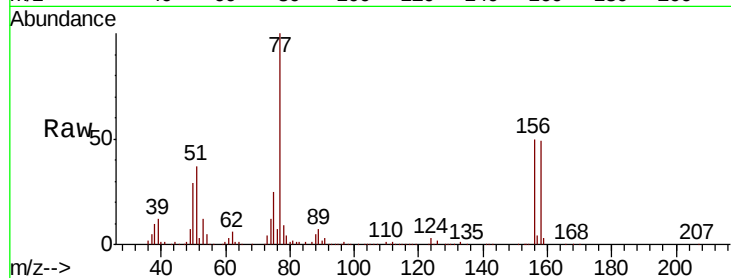




#77
Bromobenzene
Concen: 21.538 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. -0.01 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

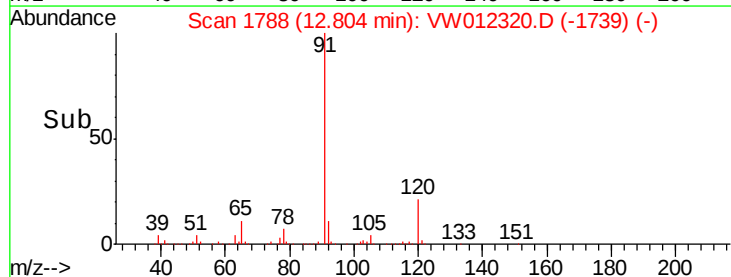
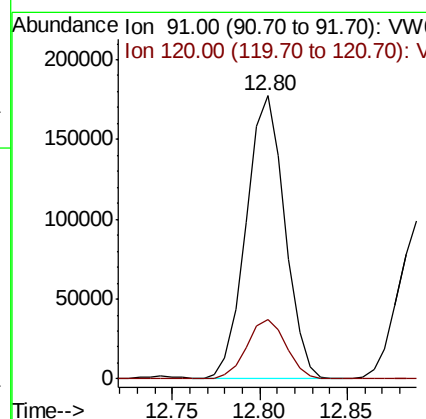
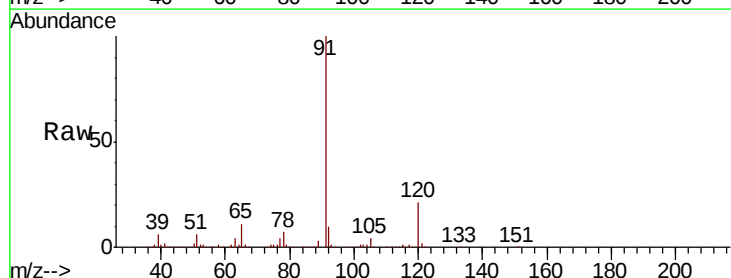
Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS02

Tgt Ion: 156 Resp: 50771
Ion Ratio Lower Upper
156 100
77 211.3 107.3 321.8
158 96.7 49.0 147.0



#78
n-propylbenzene
Concen: 20.408 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

Tgt Ion: 91 Resp: 271475
Ion Ratio Lower Upper
91 100
120 21.6 10.5 31.6





#79

2-Chlorotoluene

Concen: 20.944 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012320.D

Acq: 29 Aug 2019 23:48

Instrument :

MSVOA_W

ClientSampleId :

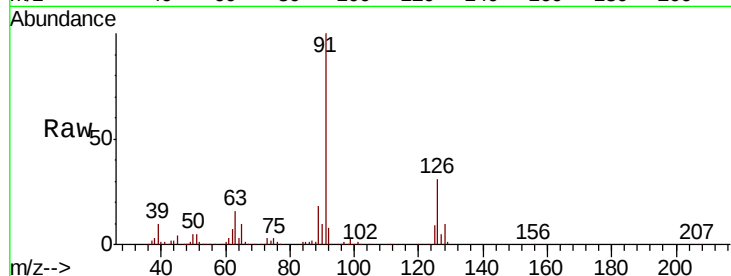
VW0829SBS02

Tgt Ion: 91 Resp: 158176

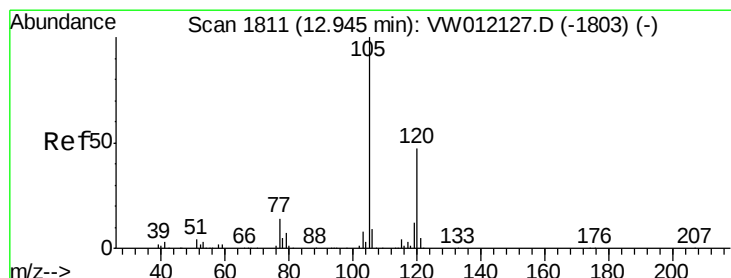
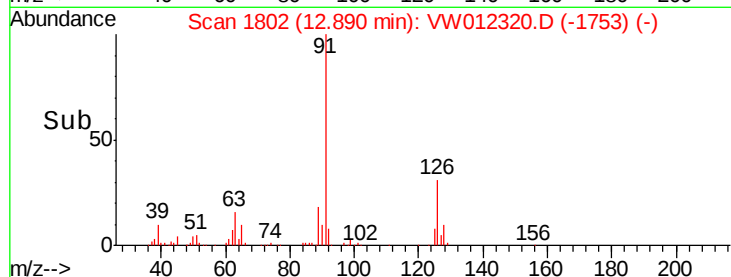
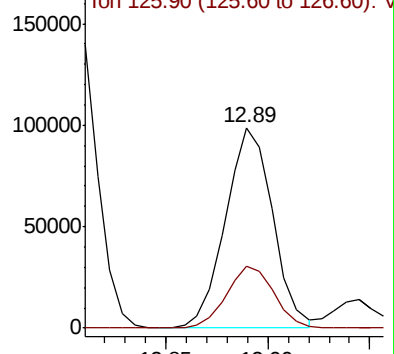
Ion Ratio Lower Upper

91 100

126 31.4 15.7 47.0



Abundance Ion 91.00 (90.70 to 91.70): VW



#80

1,3,5-Trimethylbenzene

Concen: 20.932 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012320.D

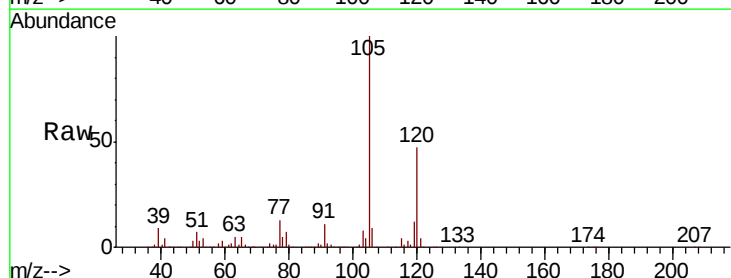
Acq: 29 Aug 2019 23:48

Tgt Ion: 105 Resp: 190583

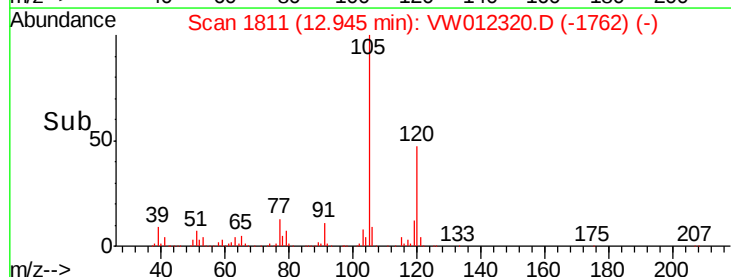
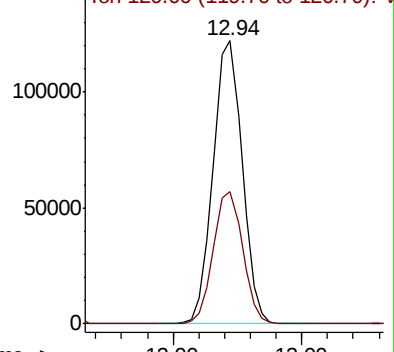
Ion Ratio Lower Upper

105 100

120 47.4 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.982 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012320.D

Acq: 29 Aug 2019 23:48

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS02

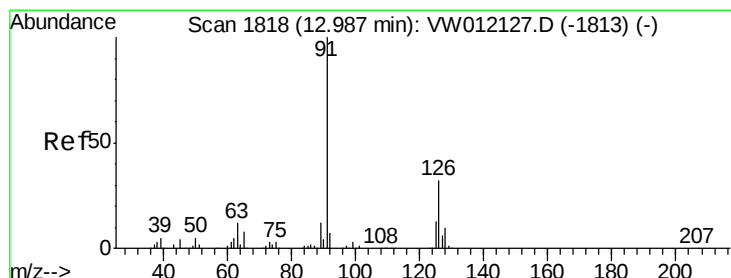
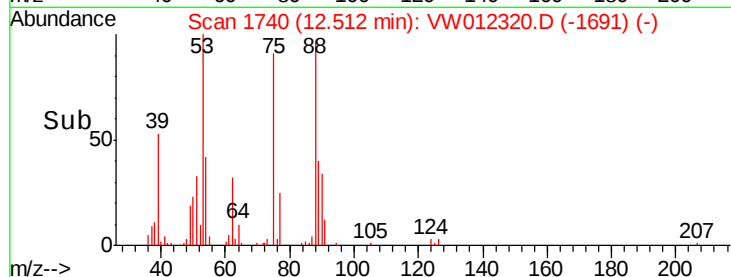
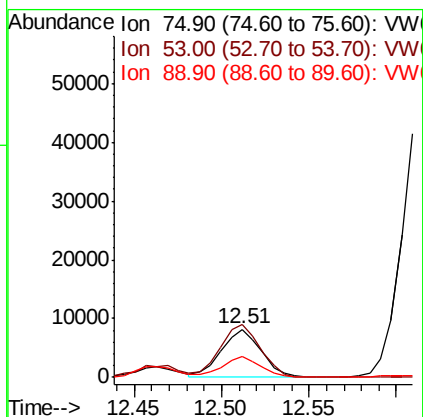
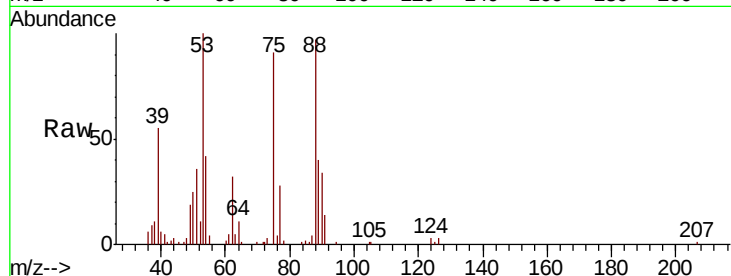
Tgt Ion: 75 Resp: 12907

Ion Ratio Lower Upper

75 100

53 112.7 89.4 134.0

89 41.3 34.5 51.7



#82

4-Chlorotoluene

Concen: 20.886 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW012320.D

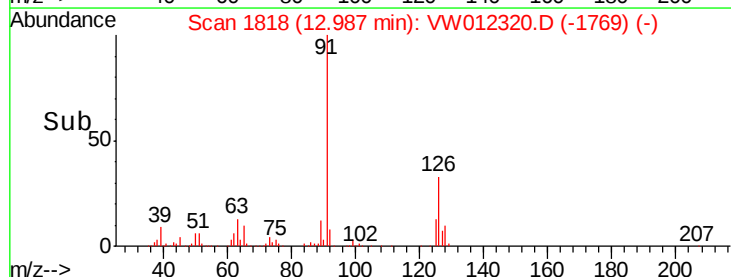
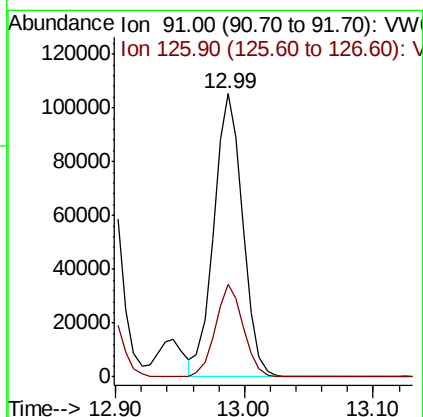
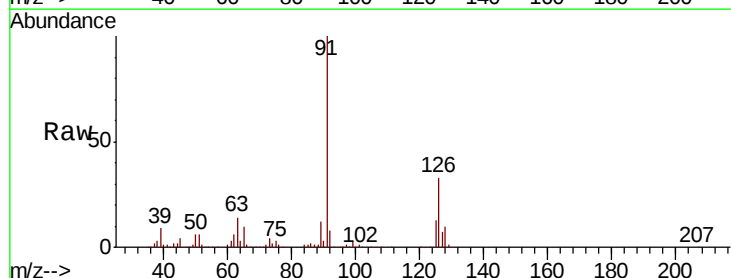
Acq: 29 Aug 2019 23:48

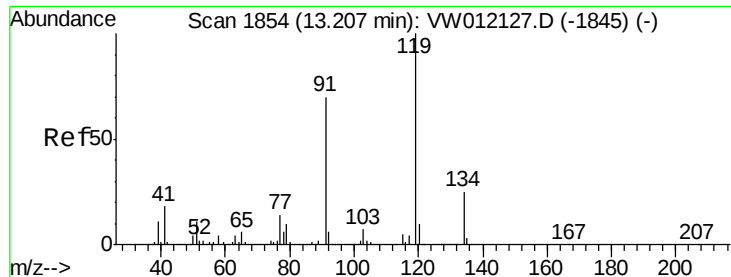
Tgt Ion: 91 Resp: 165161

Ion Ratio Lower Upper

91 100

126 31.6 15.6 46.8

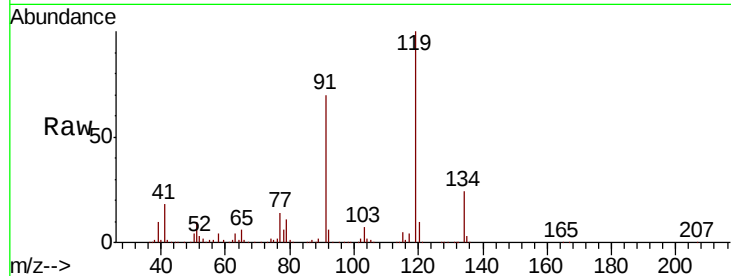




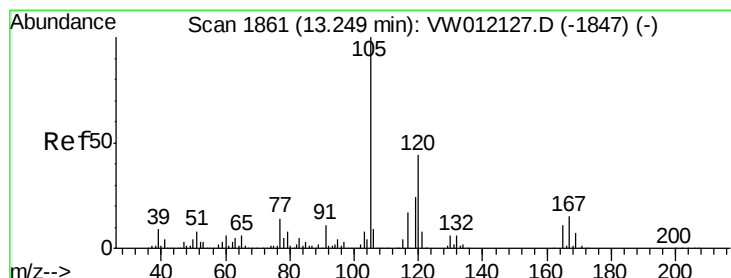
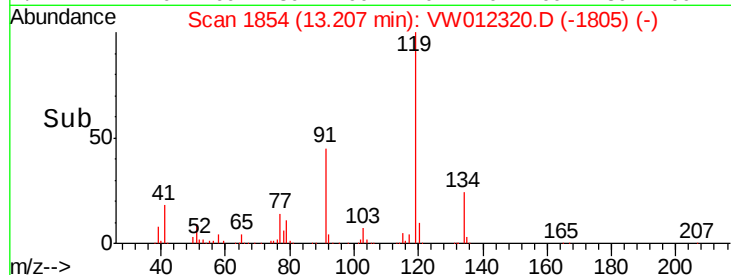
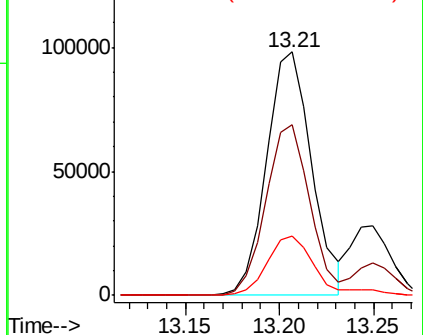
#83
tert-Butylbenzene
Concen: 21.208 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS02

Tgt Ion:119 Resp: 163566
Ion Ratio Lower Upper
119 100
91 68.3 34.8 104.3
134 26.1 13.3 39.8

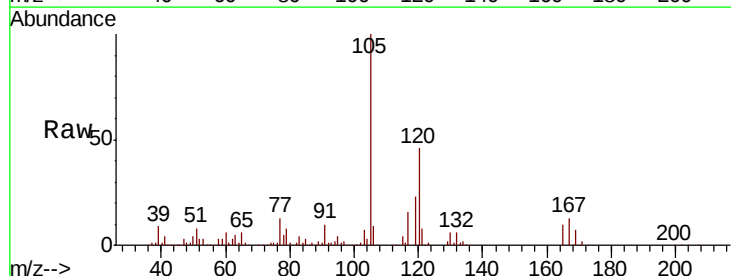


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

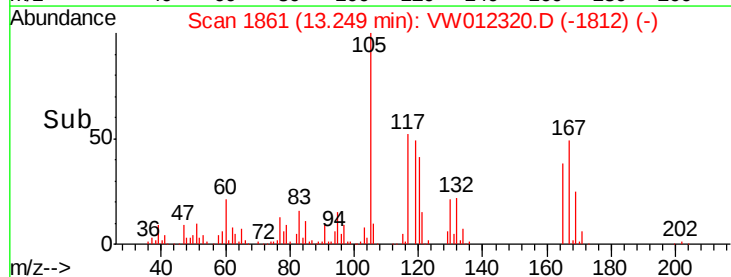
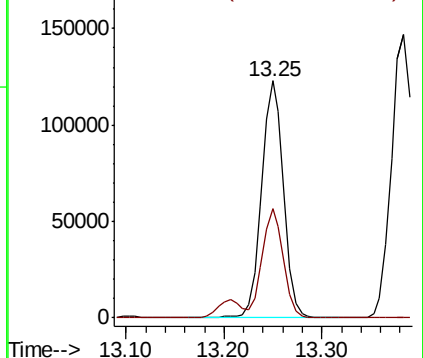


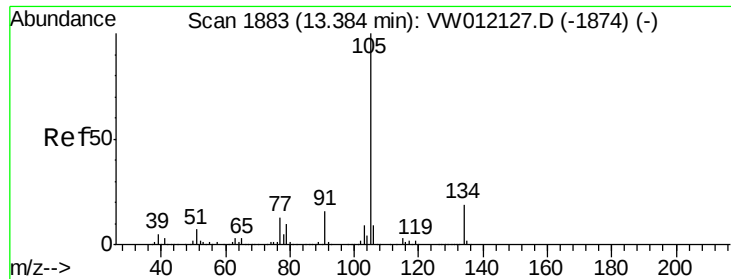
#84
1,2,4-Trimethylbenzene
Concen: 20.928 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

Tgt Ion:105 Resp: 191412
Ion Ratio Lower Upper
105 100
120 43.9 21.9 65.7



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

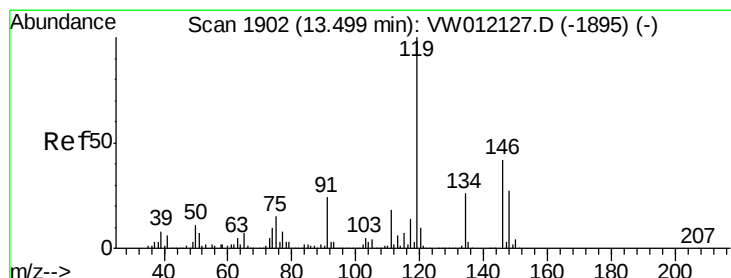
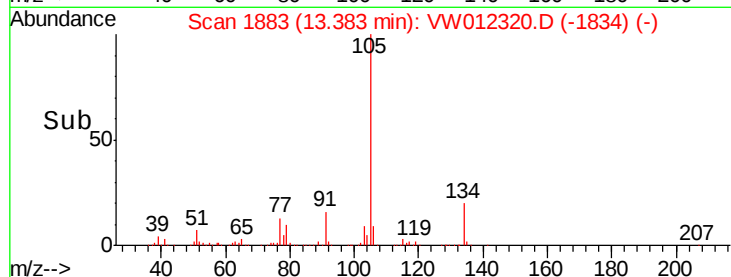
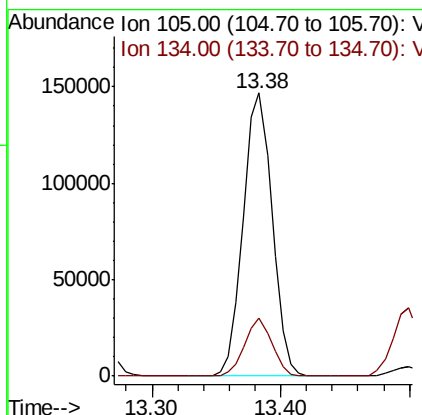
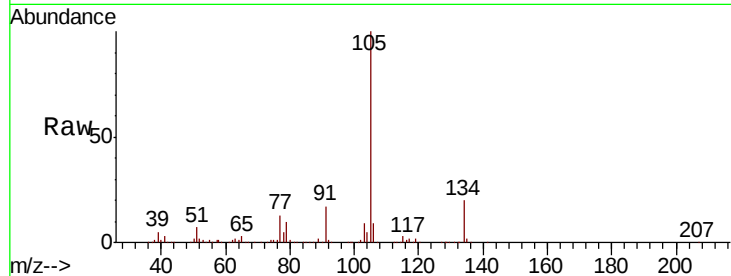




#85
 sec-Butylbenzene
 Concen: 20.610 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012320.D
 Acq: 29 Aug 2019 23:48

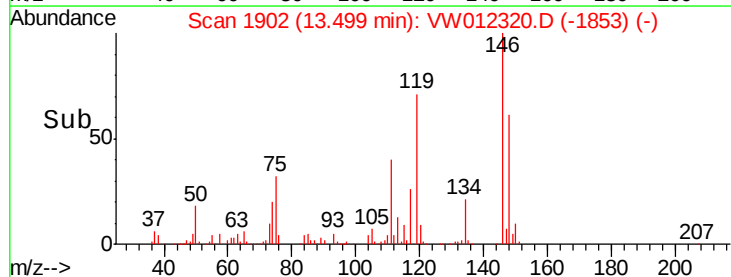
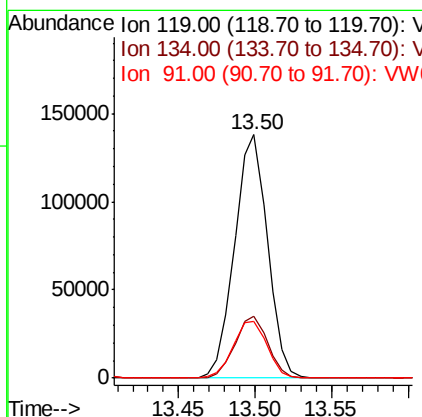
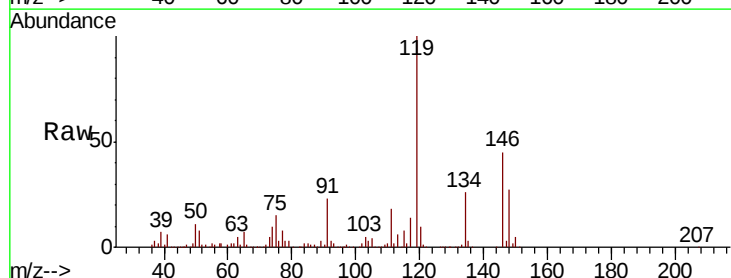
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS02

Tgt Ion:105 Resp: 227739
 Ion Ratio Lower Upper
 105 100
 134 19.3 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 20.790 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012320.D
 Acq: 29 Aug 2019 23:48

Tgt Ion:119 Resp: 205153
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.8 38.3
 91 24.1 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 21.189 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012320.D

Acq: 29 Aug 2019 23:48

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS02

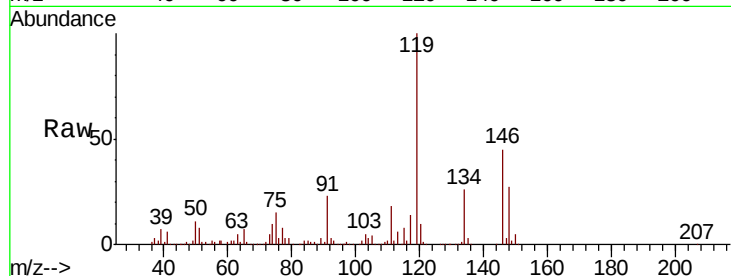
Tgt Ion:146 Resp: 97700

Ion Ratio Lower Upper

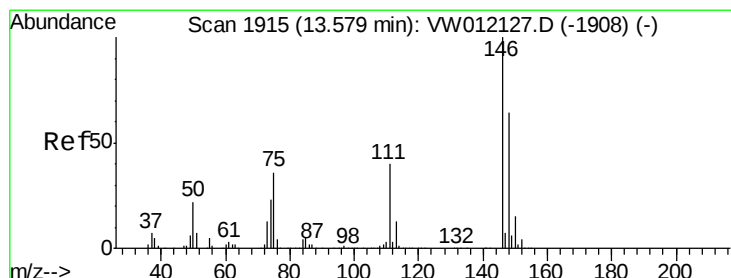
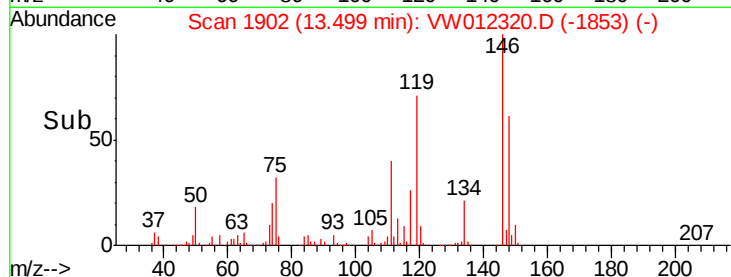
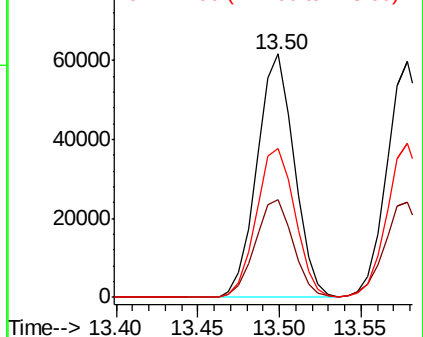
146 100

111 40.9 20.9 62.7

148 63.6 32.2 96.6



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



#88

1,4-Dichlorobenzene

Concen: 21.134 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW012320.D

Acq: 29 Aug 2019 23:48

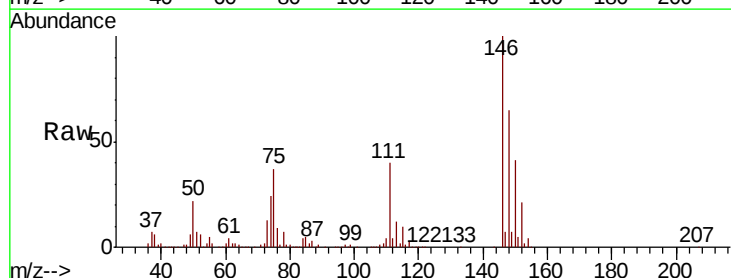
Tgt Ion:146 Resp: 96757

Ion Ratio Lower Upper

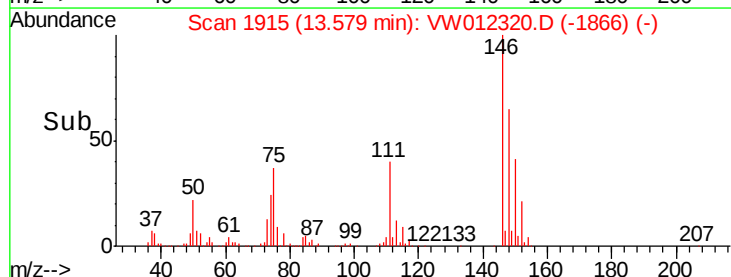
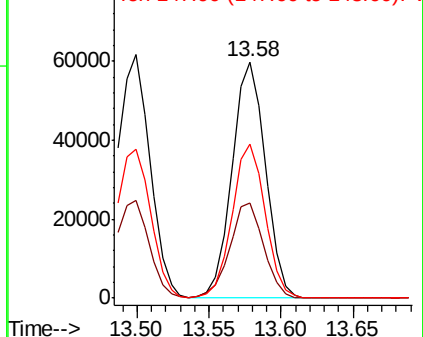
146 100

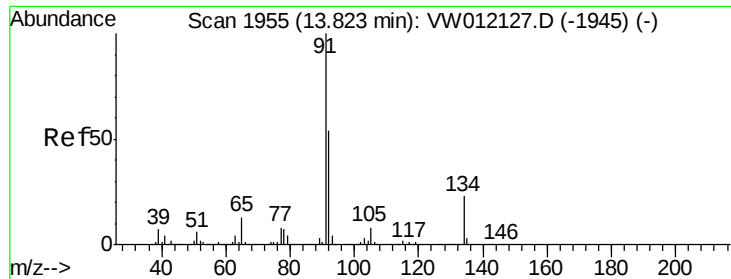
111 41.3 20.0 60.0

148 64.7 32.1 96.3



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





#89

n-Butylbenzene

Concen: 20.174 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012320.D

Acq: 29 Aug 2019 23:48

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS02

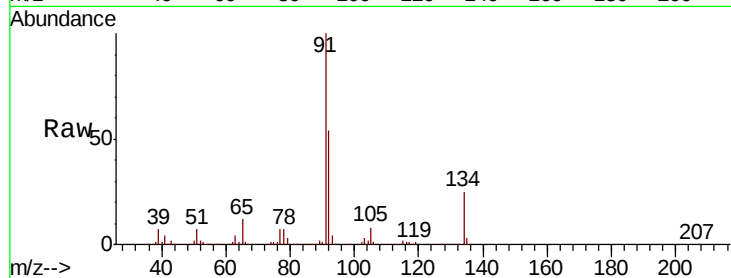
Tgt Ion: 91 Resp: 197968

Ion Ratio Lower Upper

91 100

92 54.3 27.1 81.2

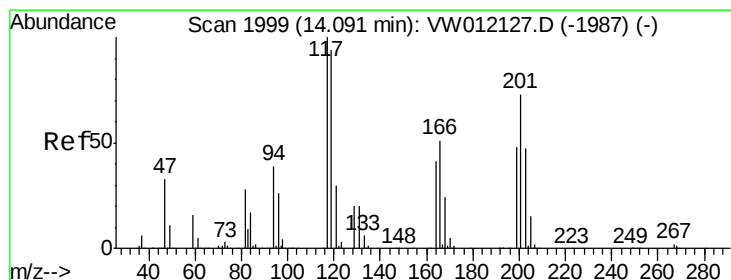
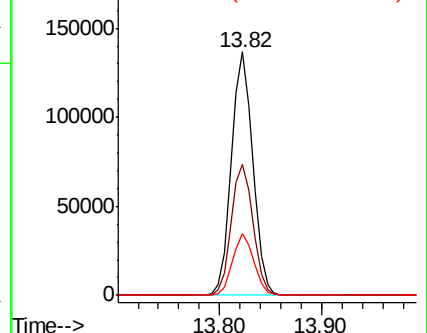
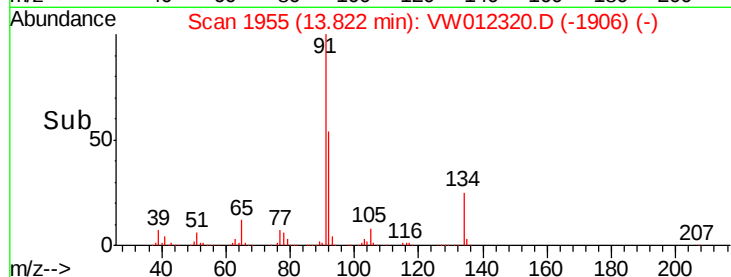
134 25.1 12.2 36.4



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: 20.308 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW012320.D

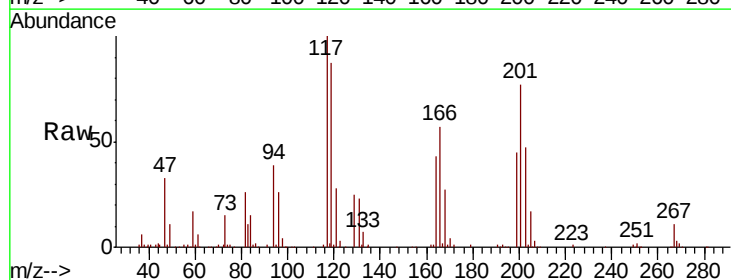
Acq: 29 Aug 2019 23:48

Tgt Ion: 117 Resp: 35159

Ion Ratio Lower Upper

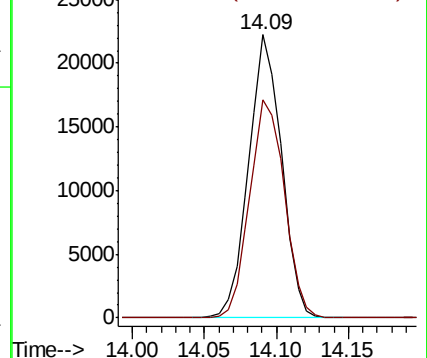
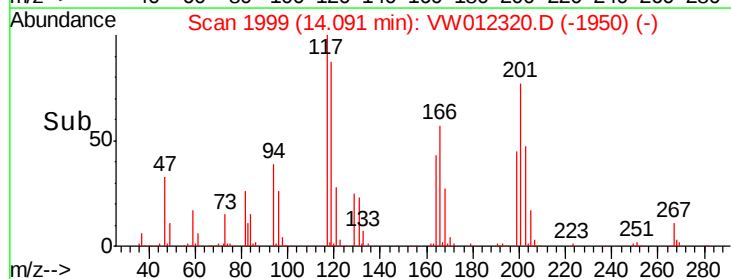
117 100

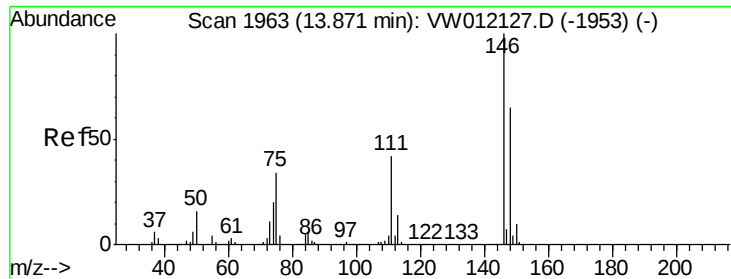
201 81.2 38.6 115.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 21.524 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW012320.D

Acq: 29 Aug 2019 23:48

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS02

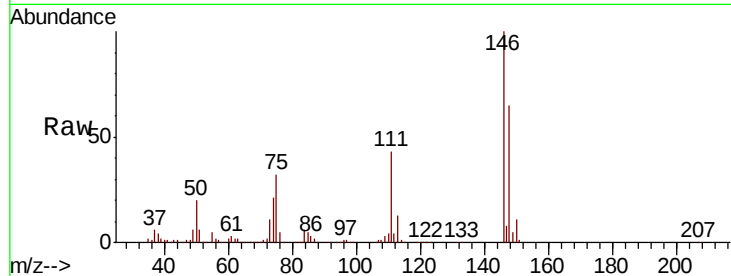
Tgt Ion:146 Resp: 87062

Ion Ratio Lower Upper

146 100

111 43.8 21.2 63.6

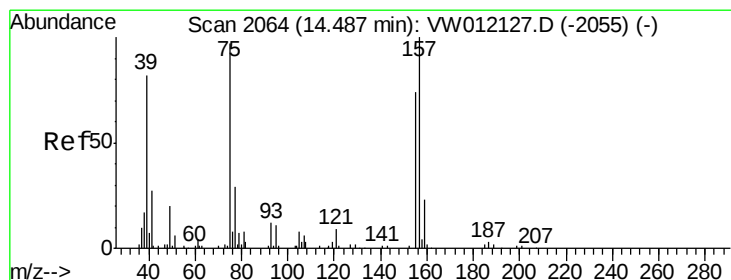
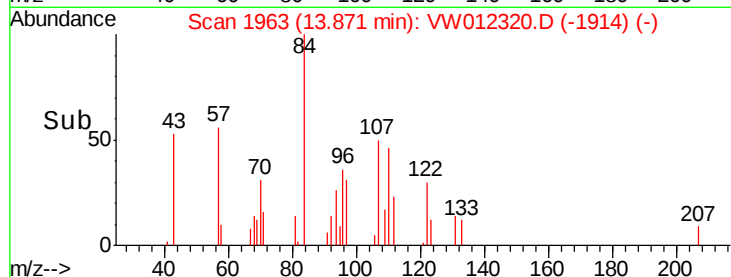
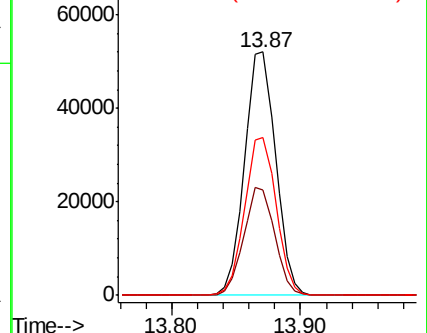
148 65.4 32.5 97.4



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: 21.160 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. -0.01 min

Lab File: VW012320.D

Acq: 29 Aug 2019 23:48

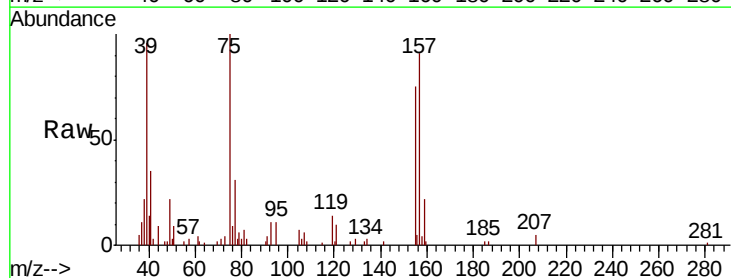
Tgt Ion: 75 Resp: 7126

Ion Ratio Lower Upper

75 100

155 76.1 37.5 112.3

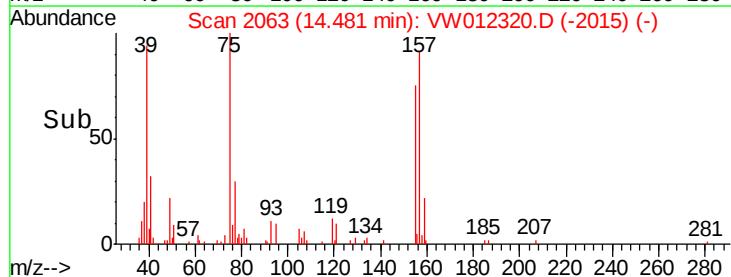
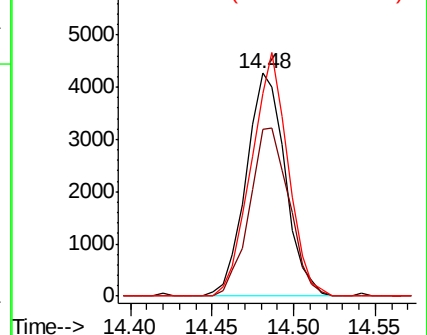
157 102.7 50.5 151.5

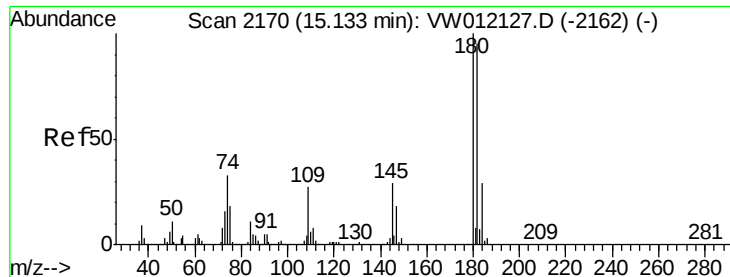


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

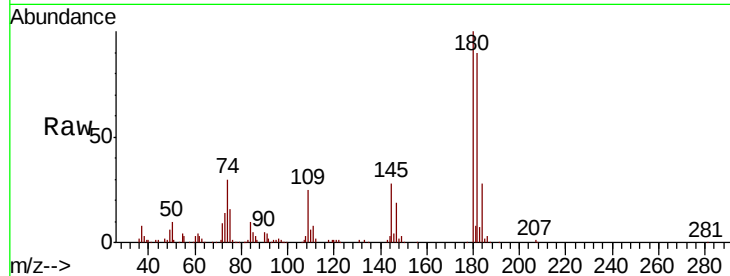




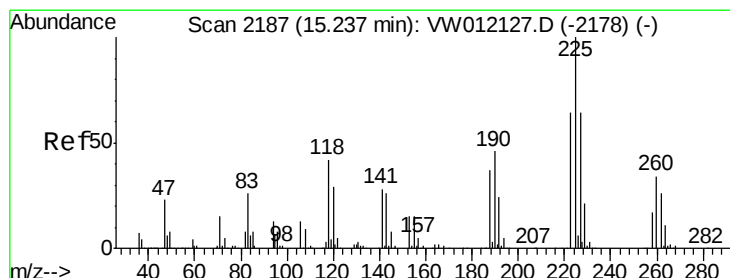
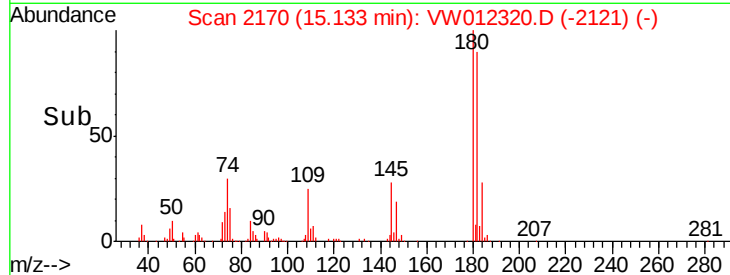
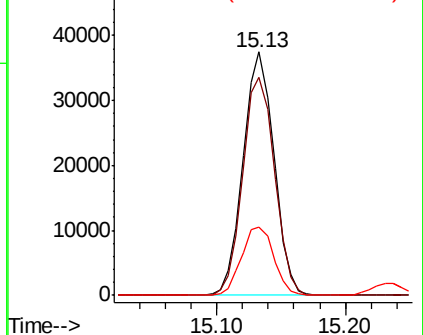
#93
 1,2,4-Trichlorobenzene
 Concen: 22.188 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012320.D
 Acq: 29 Aug 2019 23:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS02

Tgt Ion:180 Resp: 62020
 Ion Ratio Lower Upper
 180 100
 182 92.4 47.8 143.4
 145 29.6 15.0 45.1

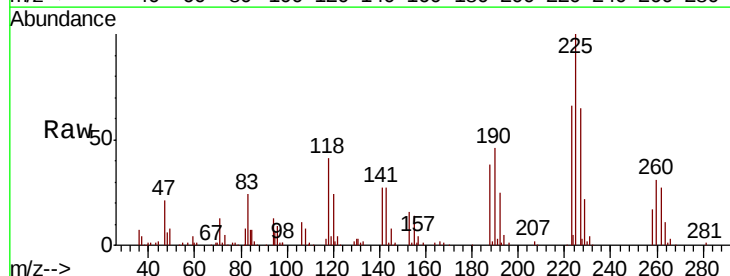


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

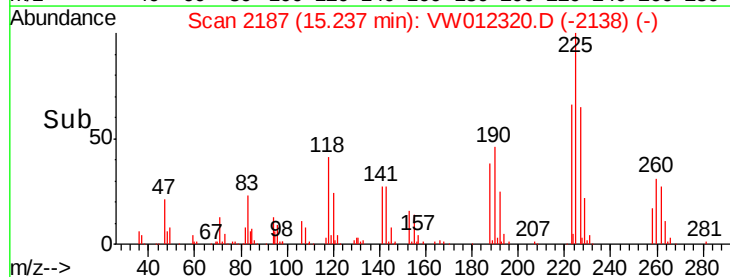
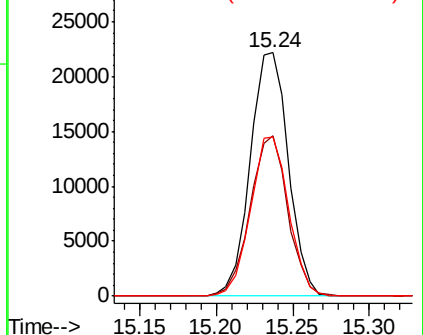


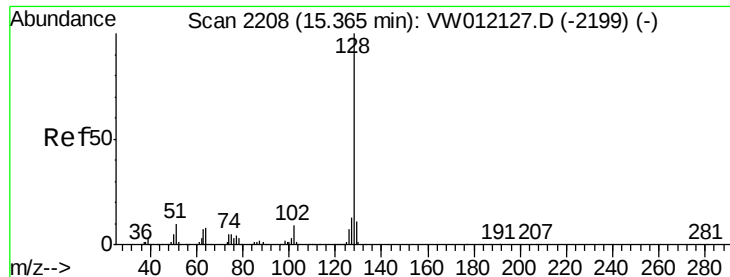
#94
 Hexachlorobutadiene
 Concen: 20.883 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012320.D
 Acq: 29 Aug 2019 23:48

Tgt Ion:225 Resp: 38544
 Ion Ratio Lower Upper
 225 100
 223 65.0 32.3 96.8
 227 65.0 32.9 98.6



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

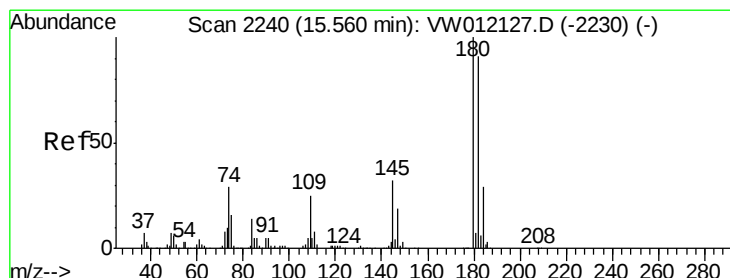
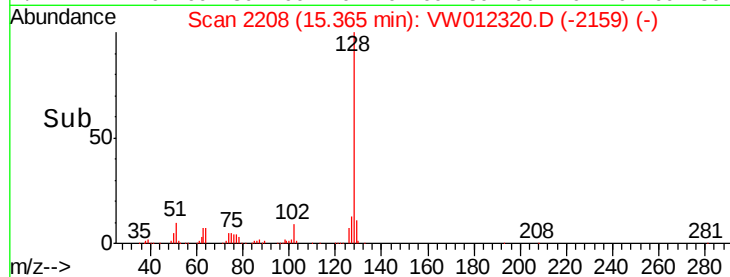
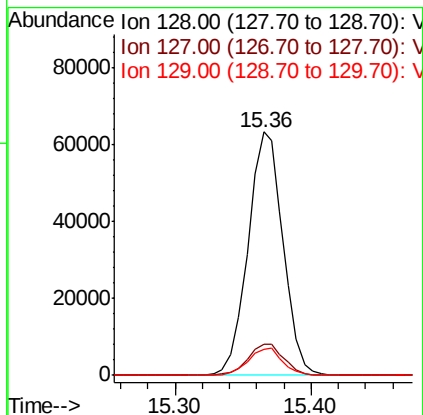
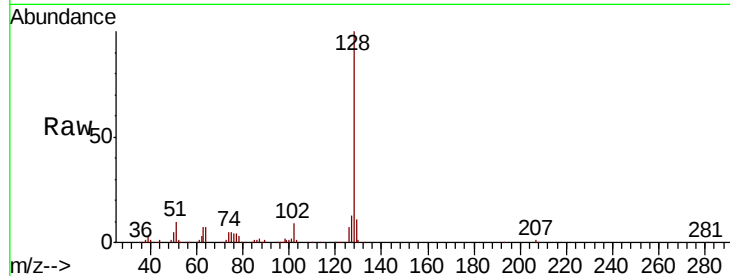




#95
Naphthalene
Concen: 23.256 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS02

Tgt Ion:128 Resp: 113683
Ion Ratio Lower Upper
128 100
127 13.5 10.7 16.1
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 22.095 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

Tgt Ion:180 Resp: 53884
Ion Ratio Lower Upper
180 100
182 95.5 47.1 141.3
145 32.7 16.2 48.5

