

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082719\
 Data File : VW012225.D
 Acq On : 27 Aug 2019 22:55
 Operator : SY/VA
 Sample : VW0827SBS02
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0827SBS02

Quant Time: Aug 28 05:01:58 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	255139	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	417472	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	361618	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	176124	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	152280	50.21	ug/l	0.00
Spiked Amount			Recovery	=	100.42%	
35) Dibromofluoromethane	7.88	113	123413	49.53	ug/l	0.00
Spiked Amount			Recovery	=	99.06%	
50) Toluene-d8	10.32	98	501057	49.59	ug/l	0.00
Spiked Amount			Recovery	=	99.18%	
62) 4-Bromofluorobenzene	12.62	95	177034	49.71	ug/l	0.00
Spiked Amount			Recovery	=	99.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	27319	17.390	ug/l	97
3) Chloromethane	2.21	50	46419	19.072	ug/l	97
4) Vinyl Chloride	2.36	62	55659	18.684	ug/l	98
5) Bromomethane	2.77	94	29429	19.506	ug/l	94
6) Chloroethane	2.92	64	32920	19.589	ug/l	98
7) Trichlorofluoromethane	3.25	101	27568	18.430	ug/l	99
8) Diethyl Ether	3.68	74	30247	21.303	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	50021	19.673	ug/l	98
10) Methyl Iodide	4.27	142	67804	19.709	ug/l	100
11) Tert butyl alcohol	5.18	59	21744	119.130	ug/l #	82
12) 1,1-Dichloroethene	4.04	96	49366	19.290	ug/l	97
13) Acrolein	3.89	56	16140	93.939	ug/l	99
14) Allyl chloride	4.66	41	113718	20.785	ug/l	99
15) Acrylonitrile	5.36	53	75627	107.461	ug/l	100
16) Acetone	4.12	43	65499	84.483	ug/l	97
17) Carbon Disulfide	4.39	76	130689	16.897	ug/l	99
18) Methyl Acetate	4.67	43	48365	25.187	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	92221	22.283	ug/l	99
20) Methylene Chloride	4.92	84	67154	22.912	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	54644	19.912	ug/l	97
22) Diisopropyl ether	6.31	45	221961	21.887	ug/l	98
23) Vinyl Acetate	6.25	43	641990	102.865	ug/l	100
24) 1,1-Dichloroethane	6.21	63	115695	20.953	ug/l	100
25) 2-Butanone	7.17	43	106929	101.496	ug/l	98
26) 2,2-Dichloropropane	7.17	77	63284	20.249	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	62735	21.396	ug/l	100
28) Bromochloromethane	7.51	49	52245	21.709	ug/l	98
29) Tetrahydrofuran	7.53	42	68986	109.142	ug/l	98
30) Chloroform	7.67	83	107669	21.313	ug/l	96
31) Cyclohexane	7.95	56	100995	18.487	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	82478	20.638	ug/l	99
36) 1,1-Dichloropropene	8.08	75	84334	19.549	ug/l	99
37) Ethyl Acetate	7.25	43	49362	20.880	ug/l	98
38) Carbon Tetrachloride	8.07	117	72915	19.528	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	90249	18.621	ug/l	98
40) Benzene	8.32	78	241472	20.499	ug/l	97
41) Methacrylonitrile	7.48	41	29795	21.444	ug/l	97
42) 1,2-Dichloroethane	8.40	62	76111	20.615	ug/l	100
43) Isopropyl Acetate	8.42	43	92223	21.060	ug/l	100
44) Trichloroethene	9.09	130	57456	20.064	ug/l	97
45) 1,2-Dichloropropane	9.37	63	67031	21.143	ug/l	99
46) Dibromomethane	9.46	93	29698	21.054	ug/l	98
47) Bromodichloromethane	9.64	83	77107	20.539	ug/l	100
48) Methyl methacrylate	9.43	41	43742	20.988	ug/l	96
49) 1,4-Dioxane	9.45	88	8482	392.789	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	238989	107.301	ug/l	100
52) Toluene	10.38	92	146151	20.652	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	78901	20.633	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	95267	20.632	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	43387	21.739	ug/l	99
56) Ethyl methacrylate	10.65	69	62130	21.390	ug/l	98
57) 1,3-Dichloropropane	10.93	76	81123	21.509	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	160884	107.922	ug/l	100
59) 2-Hexanone	10.97	43	159795	101.396	ug/l	100
60) Dibromochloromethane	11.13	129	46285	20.821	ug/l	98
61) 1,2-Dibromoethane	11.23	107	39169	21.066	ug/l	98
64) Tetrachloroethene	10.86	164	48482	20.679	ug/l	98
65) Chlorobenzene	11.66	112	148651	20.876	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	51765	20.839	ug/l	97
67) Ethyl Benzene	11.73	91	282095	20.566	ug/l	98
68) m/p-Xylenes	11.84	106	206091	41.712	ug/l	99
69) o-Xylene	12.16	106	95853	20.961	ug/l	100
70) Styrene	12.18	104	166809	21.074	ug/l	100
71) Bromoform	12.35	173	26530	21.436	ug/l #	97
73) Isopropylbenzene	12.46	105	269035	20.386	ug/l	98
74) N-amyl acetate	12.27	43	82798	20.766	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	50644	20.932	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	66889	38.995	ug/l #	100
77) Bromobenzene	12.74	156	58885	20.625	ug/l	99
78) n-propylbenzene	12.80	91	324673	20.152	ug/l	100
79) 2-Chlorotoluene	12.89	91	188295	20.585	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	227496	20.630	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	15955	20.394	ug/l	98
82) 4-Chlorotoluene	12.99	91	195656	20.429	ug/l	100
83) tert-Butylbenzene	13.21	119	195578	20.937	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	228676	20.643	ug/l	99
85) sec-Butylbenzene	13.38	105	273846	20.462	ug/l	99
86) p-Isopropyltoluene	13.50	119	245976	20.581	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	115822	20.740	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	114581	20.664	ug/l	98
89) n-Butylbenzene	13.82	91	238358	20.055	ug/l	100
90) Hexachloroethane	14.09	117	43346	20.671	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	102193	20.860	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	8091	19.837	ug/l	96

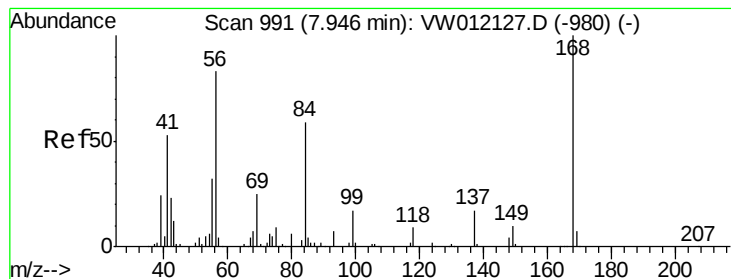
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	70087	20.702	ug/l	99
94) Hexachlorobutadiene	15.24	225	47541	21.267	ug/l	97
95) Naphthalene	15.36	128	127302	21.827	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	62211	21.062	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: VW012225.D

Acq: 27 Aug 2019 22:55

Instrument :

MSVOA_W

ClientSampleId :

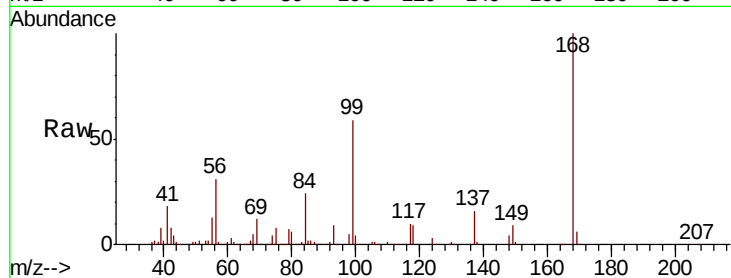
VW0827SBS02

Tgt Ion:168 Resp: 255139

Ion Ratio Lower Upper

168 100

99 58.5 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

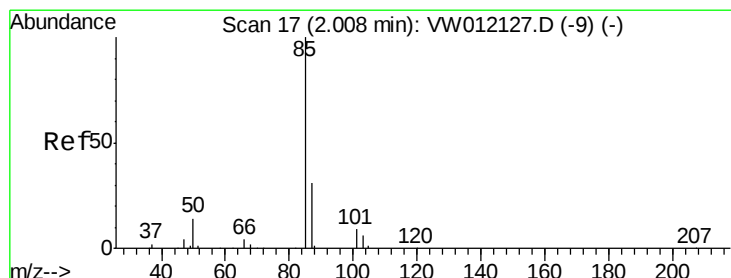
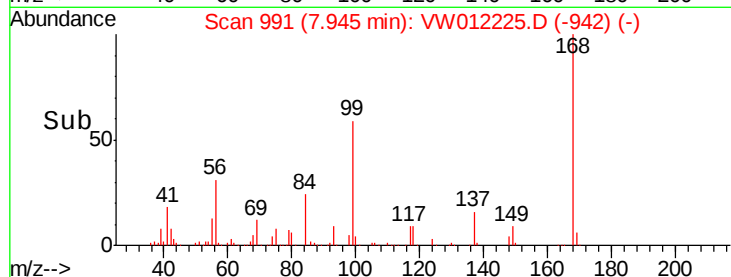
7.95

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 17.390 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012225.D

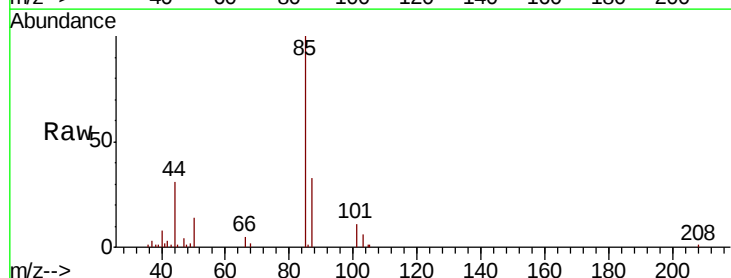
Acq: 27 Aug 2019 22:55

Tgt Ion: 85 Resp: 27319

Ion Ratio Lower Upper

85 100

87 32.7 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

10000

8000

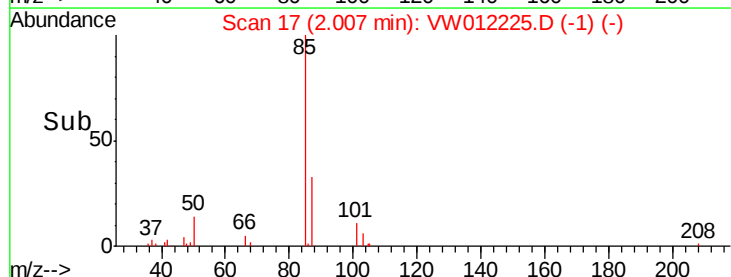
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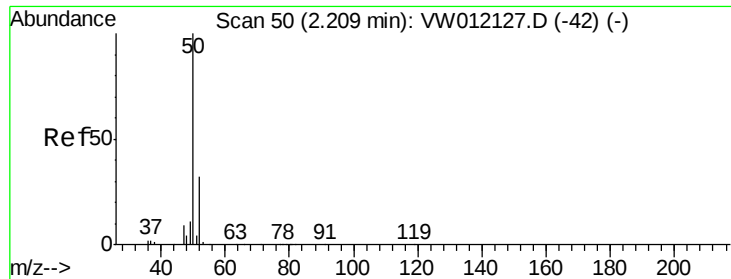
4000

2000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 19.072 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012225.D

Acq: 27 Aug 2019 22:55

Instrument :

MSVOA_W

ClientSampleId :

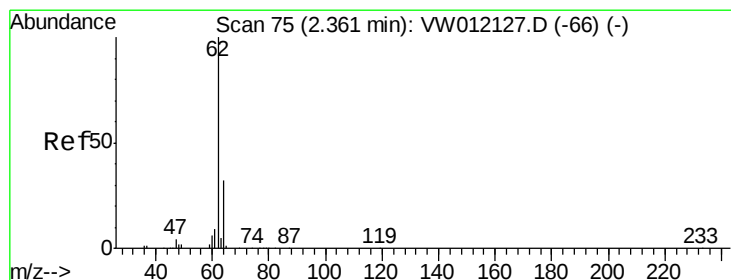
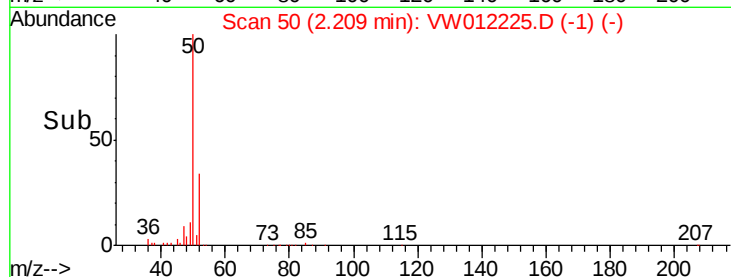
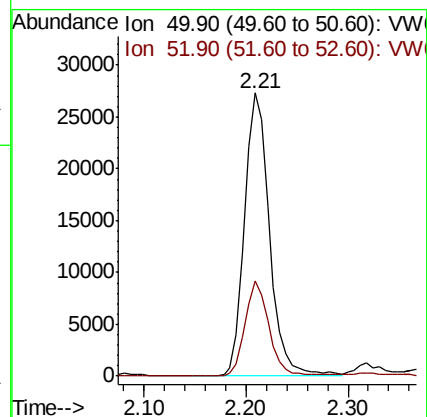
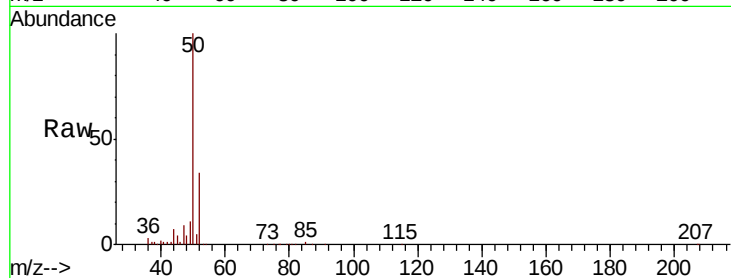
VW0827SBS02

Tgt Ion: 50 Resp: 46419

Ion Ratio Lower Upper

50 100

52 33.5 25.5 38.3



#4

Vinyl Chloride

Concen: 18.684 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012225.D

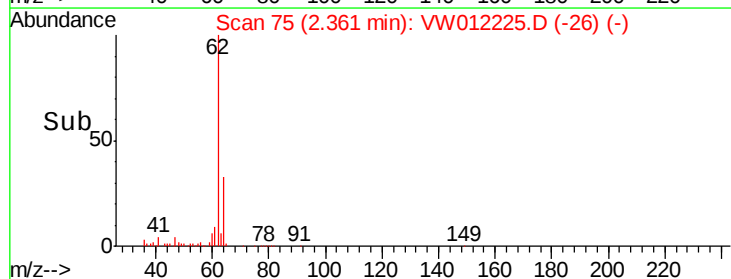
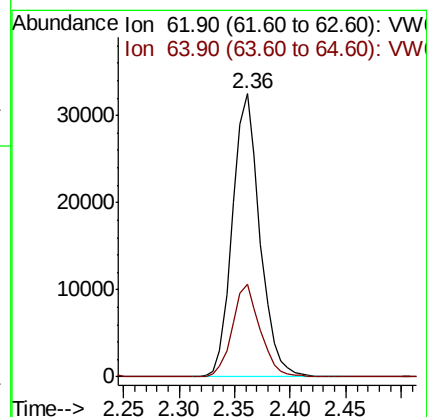
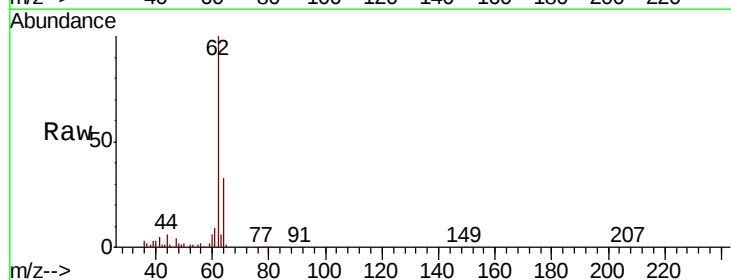
Acq: 27 Aug 2019 22:55

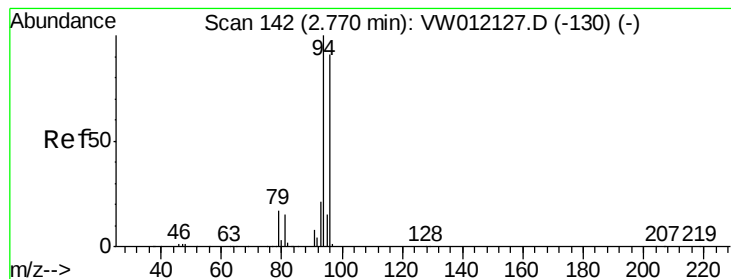
Tgt Ion: 62 Resp: 55659

Ion Ratio Lower Upper

62 100

64 32.6 25.3 37.9





#5

Bromomethane

Concen: 19.506 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW012225.D

Acq: 27 Aug 2019 22:55

Instrument :

MSVOA_W

ClientSampleId :

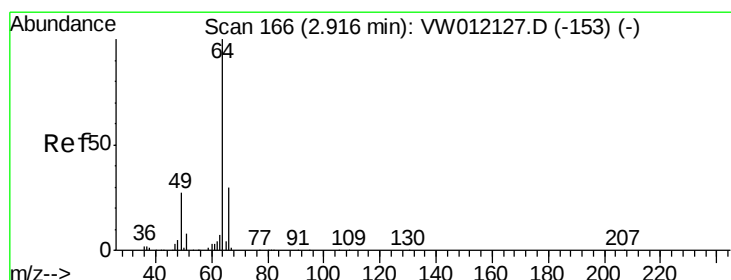
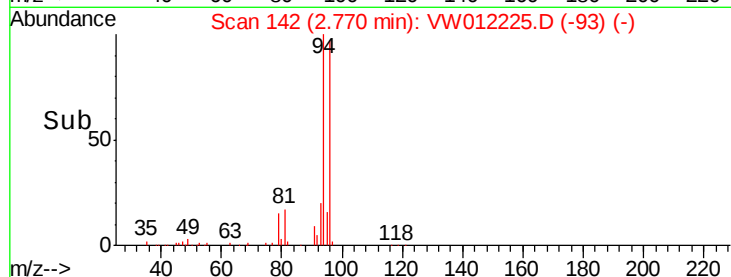
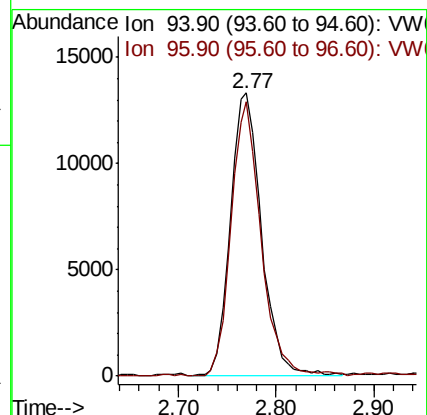
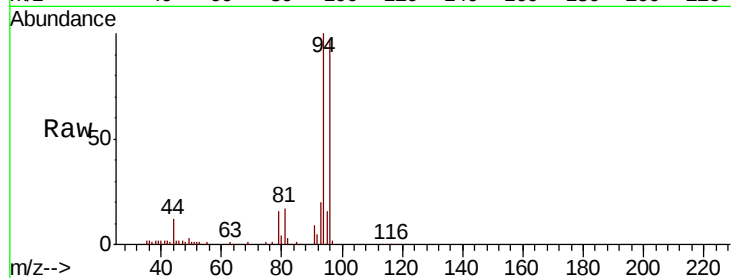
VW0827SBS02

Tgt Ion: 94 Resp: 29429

Ion Ratio Lower Upper

94 100

96 96.7 72.9 109.3



#6

Chloroethane

Concen: 19.589 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW012225.D

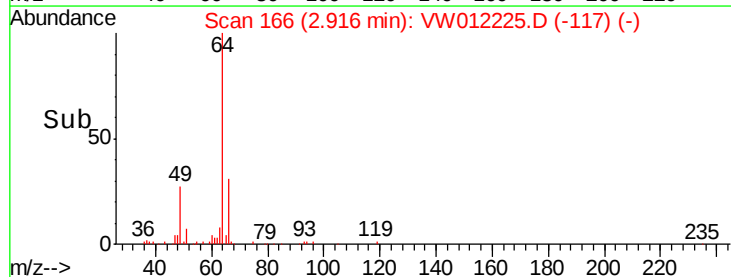
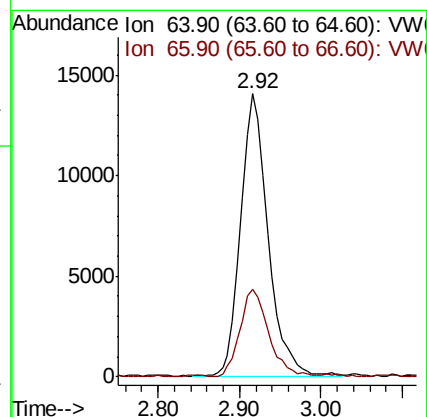
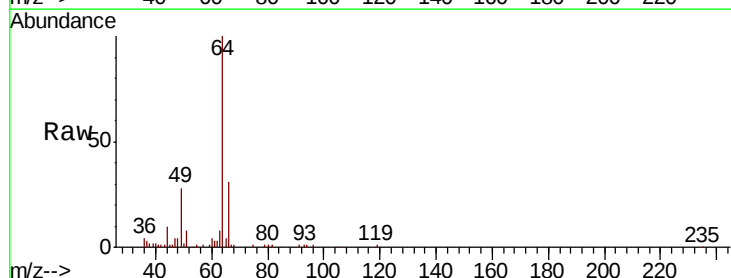
Acq: 27 Aug 2019 22:55

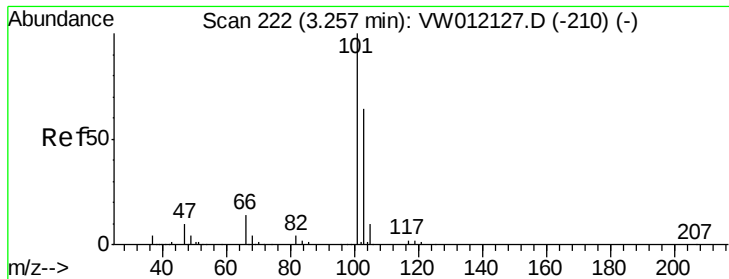
Tgt Ion: 64 Resp: 32920

Ion Ratio Lower Upper

64 100

66 30.6 23.8 35.8



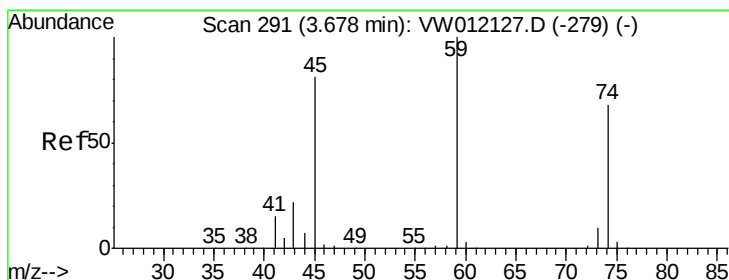
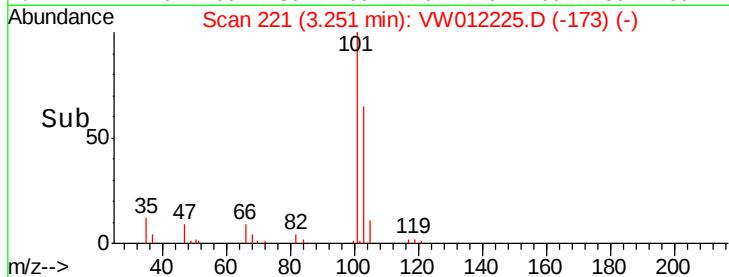
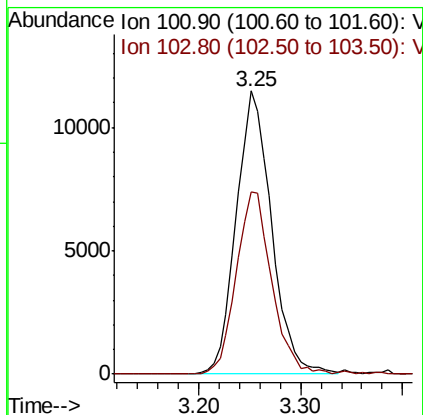
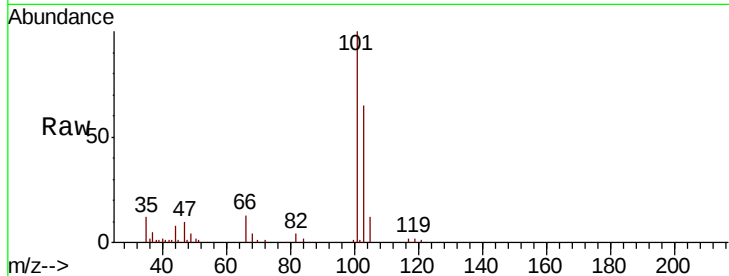


#7

Trichlorofluoromethane
 Concen: 18.430 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW012225.D
 Acq: 27 Aug 2019 22:55

Instrument :
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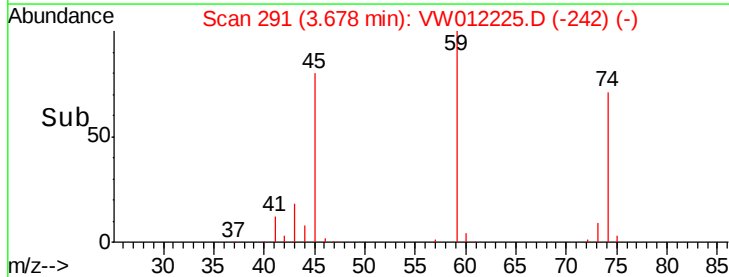
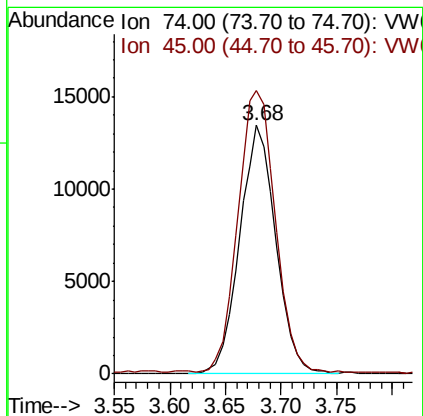
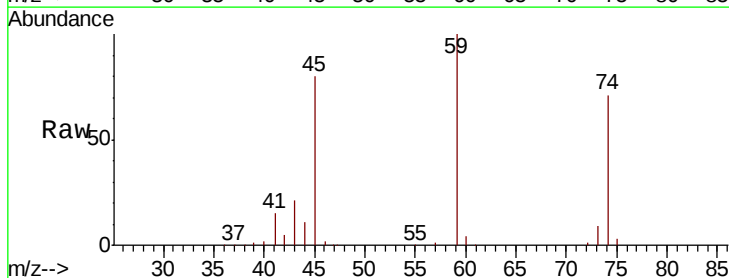
Tgt Ion:101 Resp: 27568
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.2 76.8

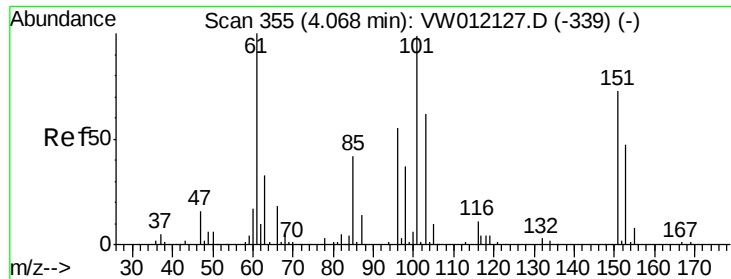


#8

Diethyl Ether
 Concen: 21.303 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012225.D
 Acq: 27 Aug 2019 22:55

Tgt Ion: 74 Resp: 30247
 Ion Ratio Lower Upper
 74 100
 45 117.6 59.2 177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.673 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012225.D

Acq: 27 Aug 2019 22:55

Instrument :

MSVOA_W

ClientSampleId :

VW0827SBS02

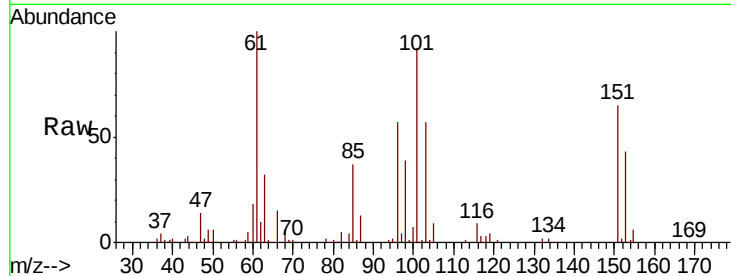
Tgt Ion:101 Resp: 50021

Ion Ratio Lower Upper

101 100

85 44.2 35.8 53.6

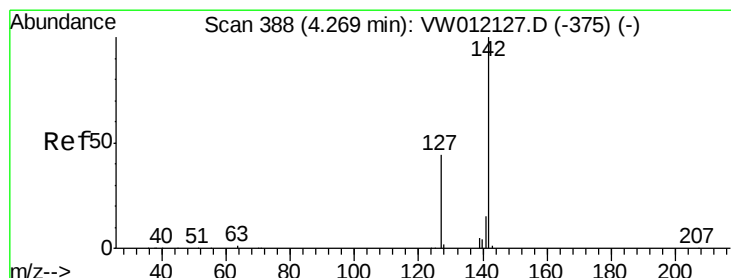
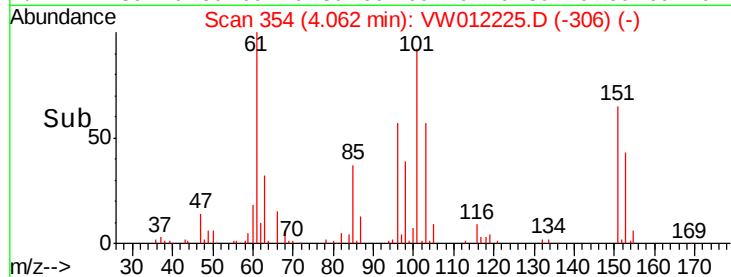
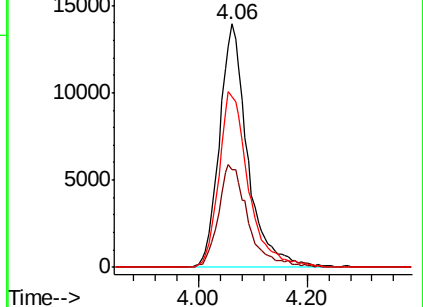
151 76.1 58.6 87.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.709 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW012225.D

Acq: 27 Aug 2019 22:55

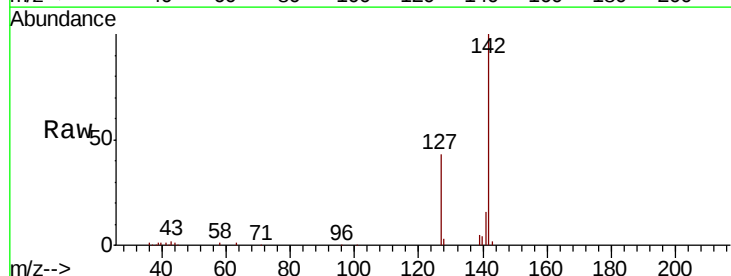
Tgt Ion:142 Resp: 67804

Ion Ratio Lower Upper

142 100

127 44.6 35.5 53.3

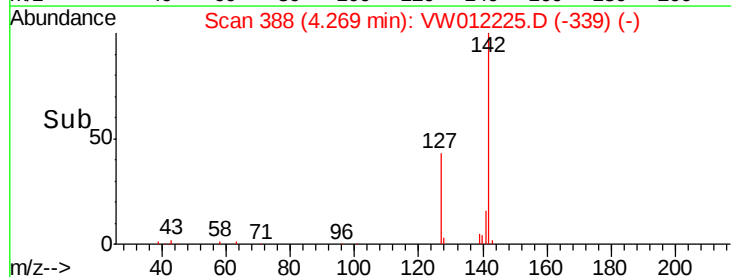
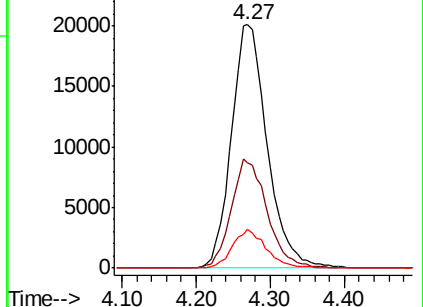
141 15.0 11.8 17.8

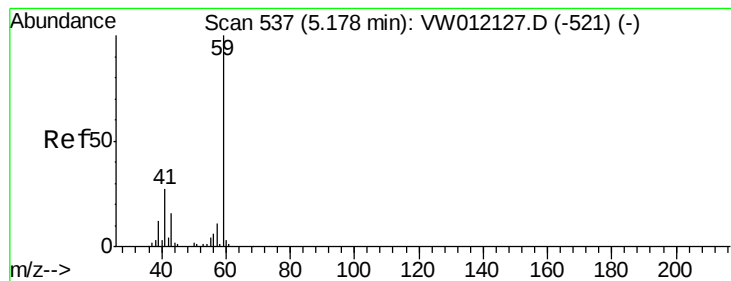


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



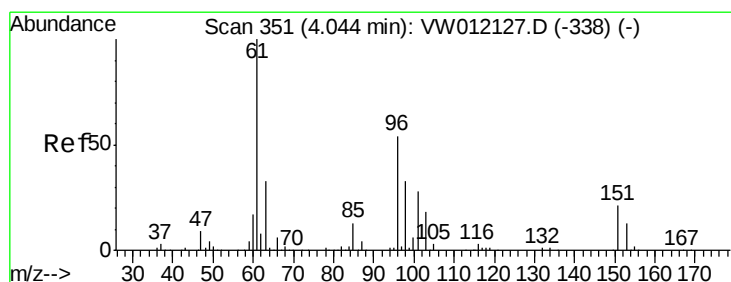
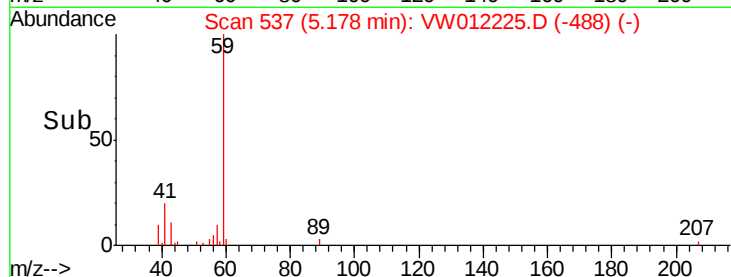
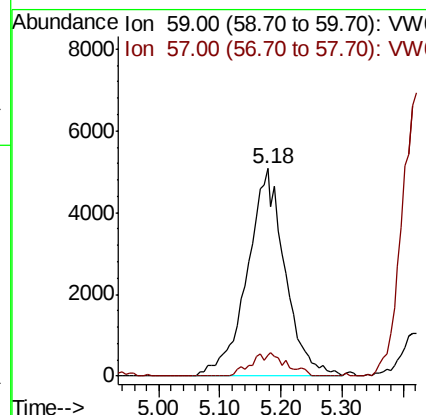
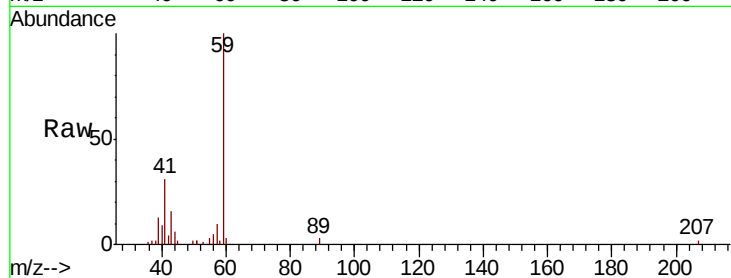


#11

Tert butyl alcohol
Concen: 119.130 ug/l
RT: 5.18 min Scan# 537
Delta R.T. -0.00 min
Lab File: VW012225.D
Acq: 27 Aug 2019 22:55

Instrument :
MSVOA_W
ClientSampleId :
VW0827SBS02

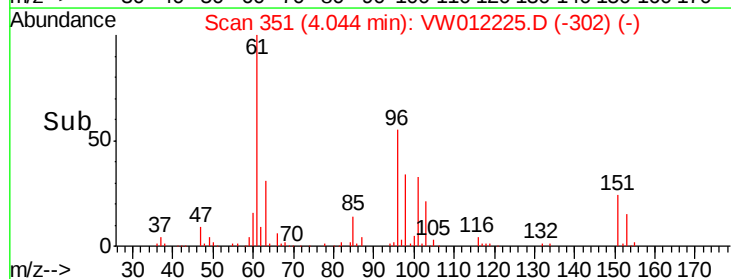
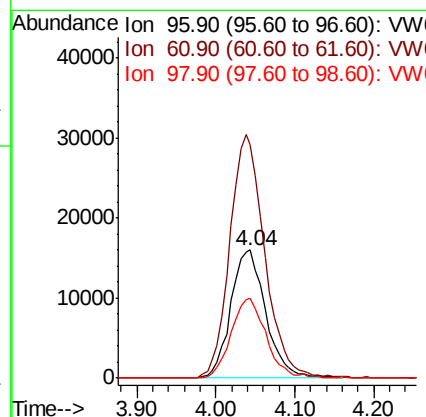
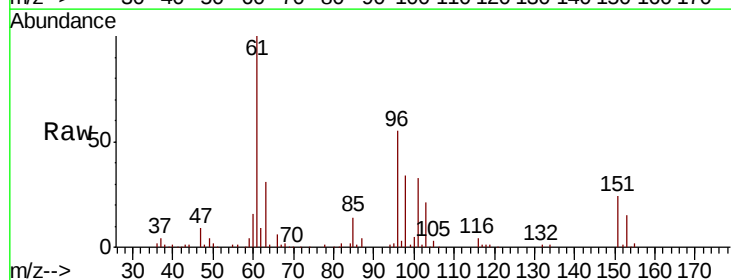
Tgt Ion: 59 Resp: 21744
Ion Ratio Lower Upper
59 100
57 4.4 9.0 13.4#

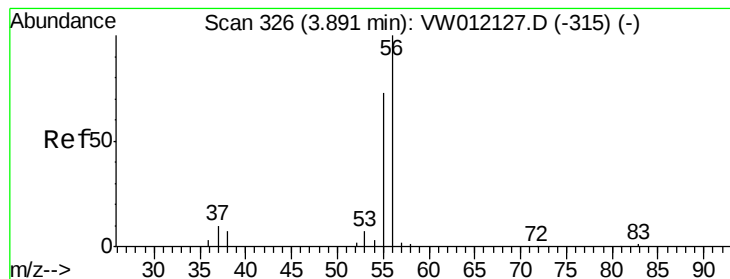


#12

1,1-Dichloroethene
Concen: 19.290 ug/l
RT: 4.04 min Scan# 351
Delta R.T. -0.00 min
Lab File: VW012225.D
Acq: 27 Aug 2019 22:55

Tgt Ion: 96 Resp: 49366
Ion Ratio Lower Upper
96 100
61 181.6 149.1 223.7
98 62.6 49.4 74.2





#13

Acrolein

Concen: 93.939 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW012225.D

Acq: 27 Aug 2019 22:55

Instrument :

MSVOA_W

ClientSampleId :

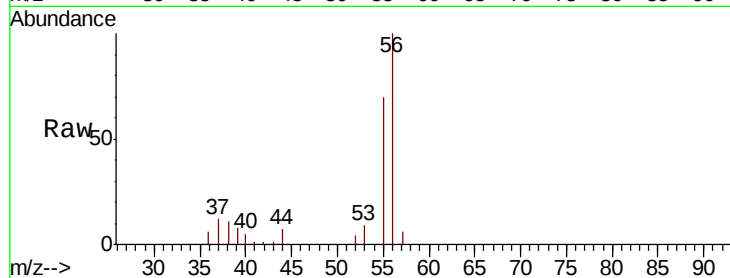
VW0827SBS02

Tgt Ion: 56 Resp: 16140

Ion Ratio Lower Upper

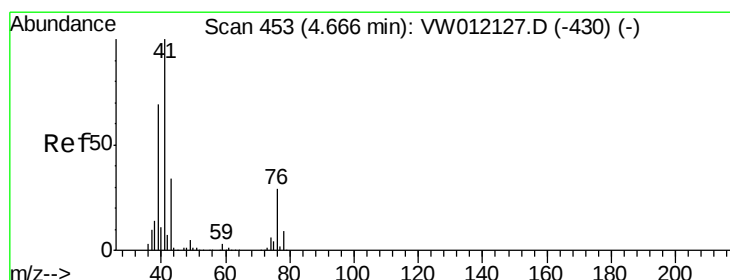
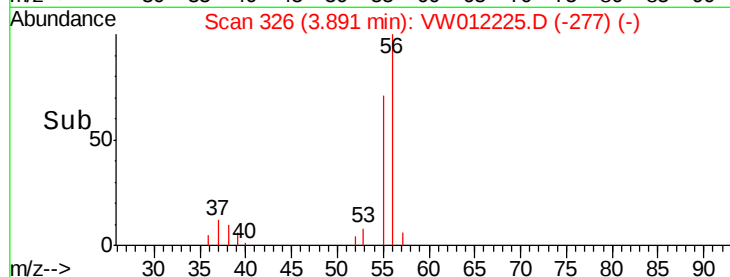
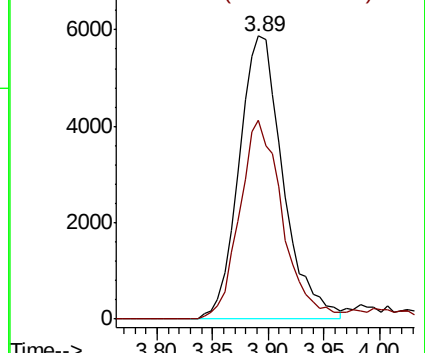
56 100

55 69.0 55.8 83.8



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 20.785 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012225.D

Acq: 27 Aug 2019 22:55

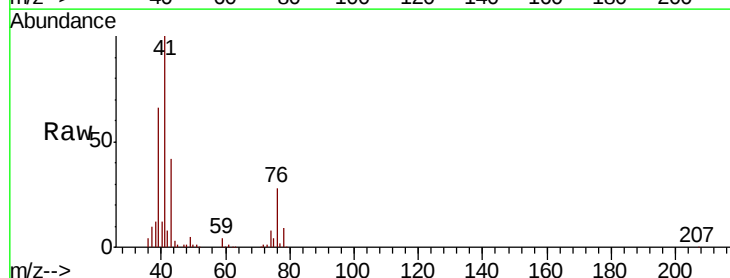
Tgt Ion: 41 Resp: 113718

Ion Ratio Lower Upper

41 100

39 65.7 53.4 80.2

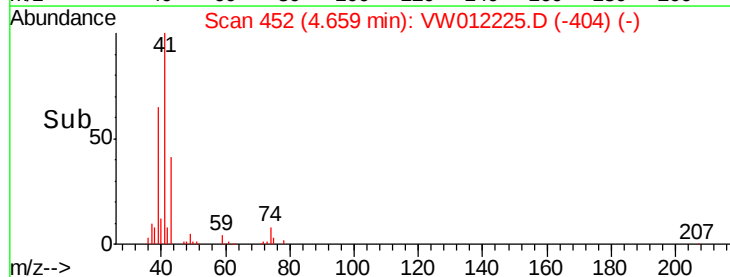
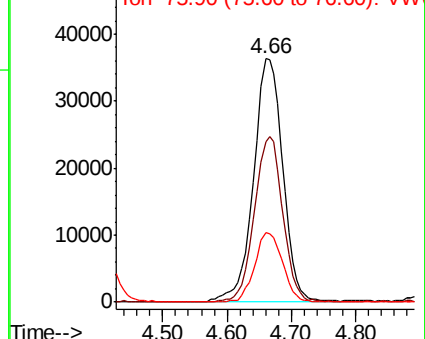
76 26.9 22.1 33.1

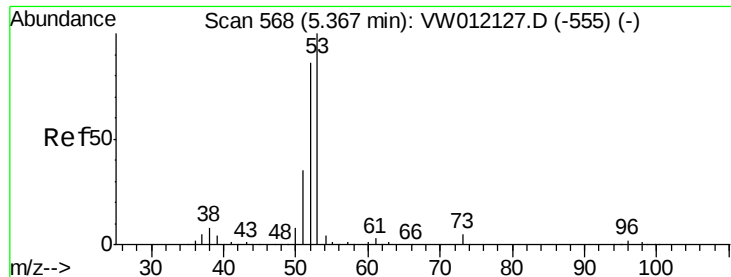


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 107.461 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012225.D

Acq: 27 Aug 2019 22:55

Instrument :

MSVOA_W

ClientSampleId :

VW0827SBS02

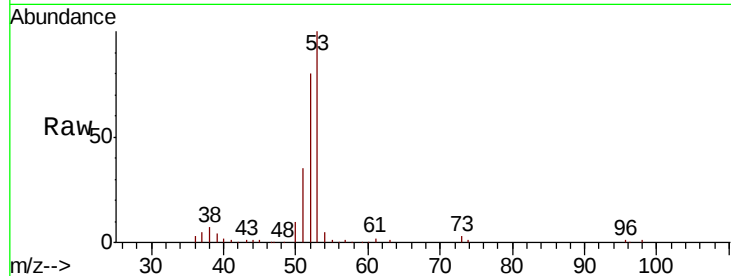
Tgt Ion: 53 Resp: 75627

Ion Ratio Lower Upper

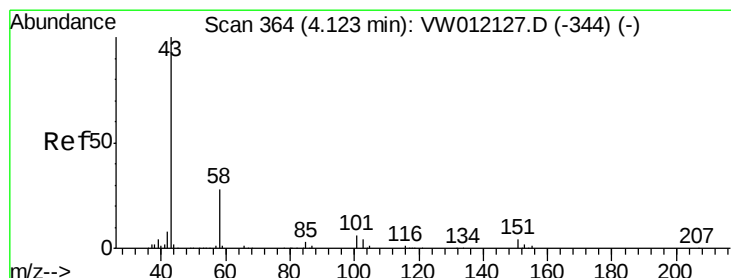
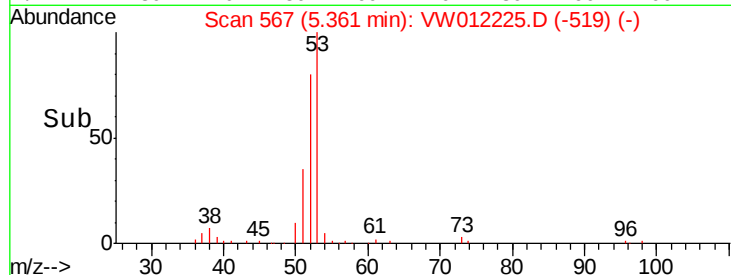
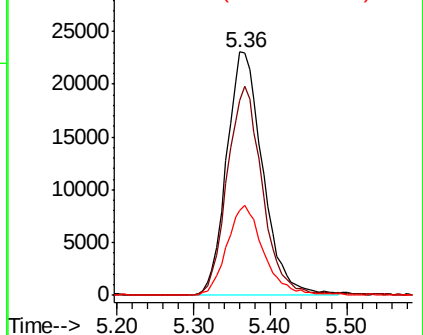
53 100

52 83.1 66.7 100.1

51 37.6 30.1 45.1



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 84.483 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW012225.D

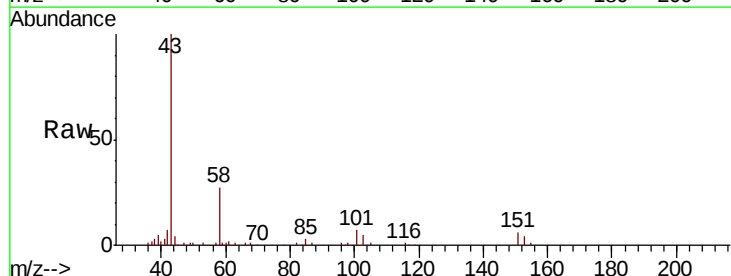
Acq: 27 Aug 2019 22:55

Tgt Ion: 43 Resp: 65499

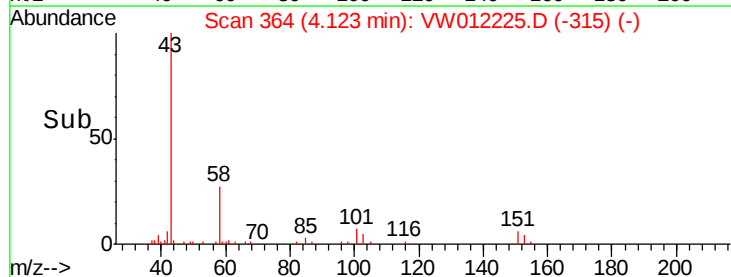
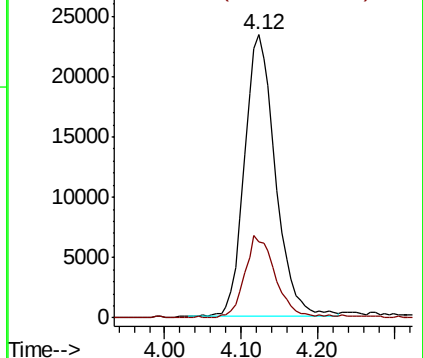
Ion Ratio Lower Upper

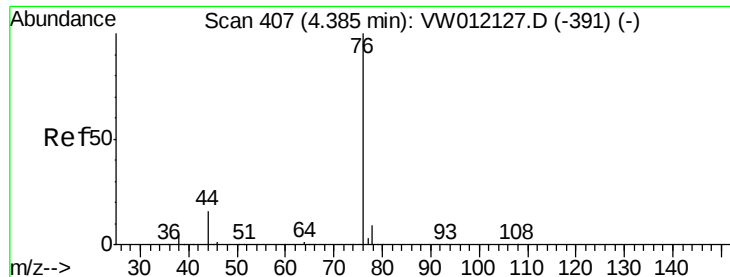
43 100

58 26.5 22.4 33.6



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

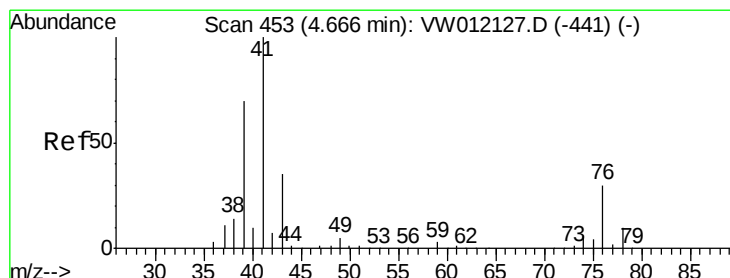
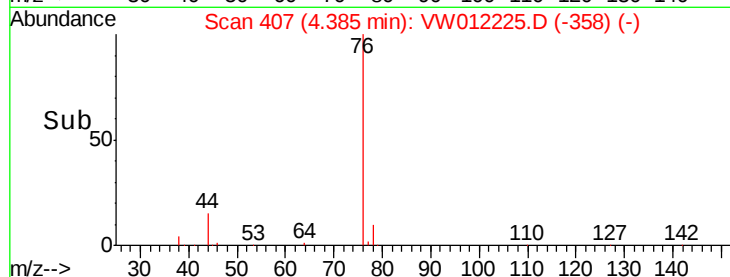
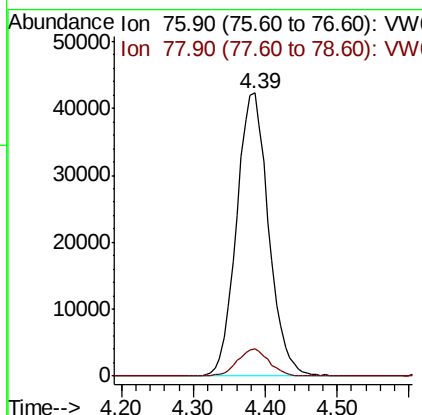
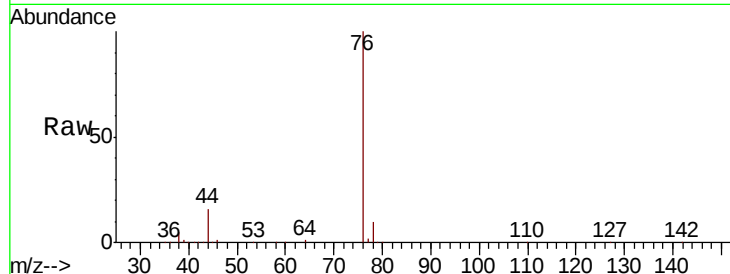




#17
Carbon Disulfide
Concen: 16.897 ug/l
RT: 4.39 min Scan# 407
Delta R.T. -0.00 min
Lab File: VW012225.D
Acq: 27 Aug 2019 22:55

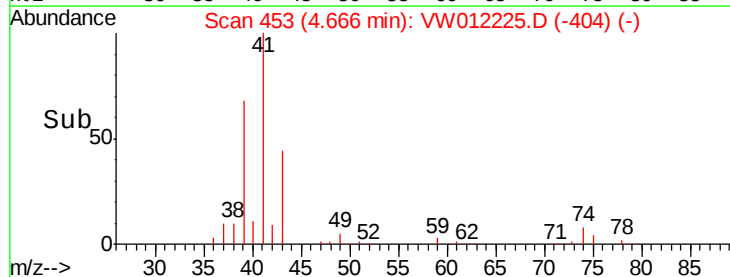
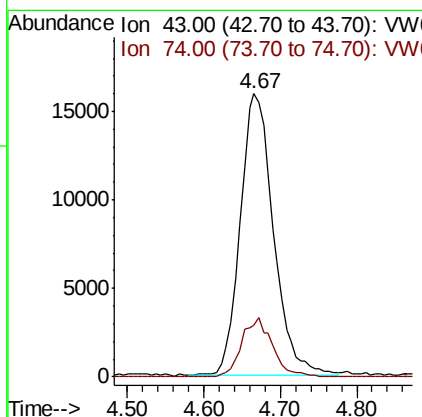
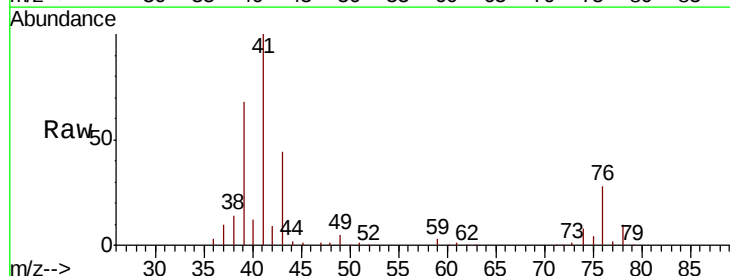
Instrument :
MSVOA_W
ClientSampleId :
VW0827SBS02

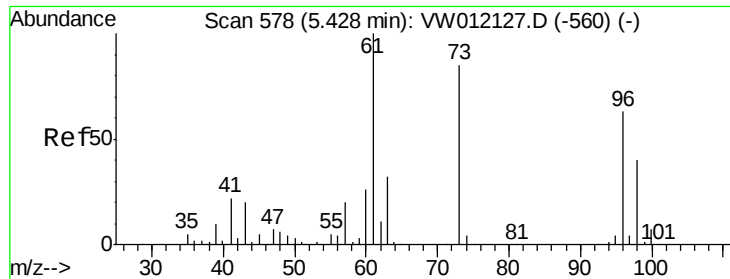
Tgt Ion: 76 Resp: 130689
Ion Ratio Lower Upper
76 100
78 9.6 7.3 10.9



#18
Methyl Acetate
Concen: 25.187 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW012225.D
Acq: 27 Aug 2019 22:55

Tgt Ion: 43 Resp: 48365
Ion Ratio Lower Upper
43 100
74 19.3 15.7 23.5

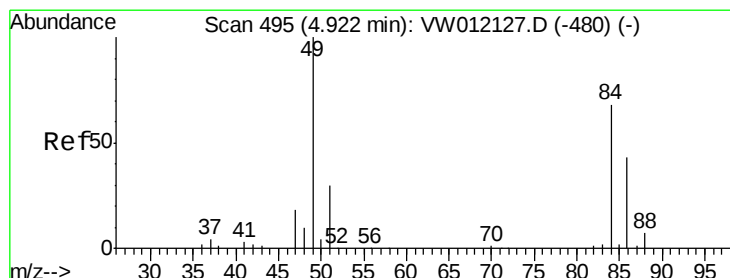
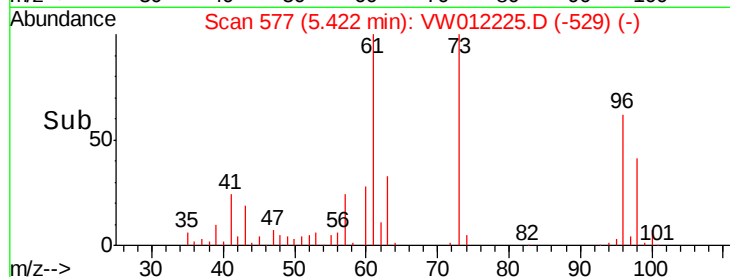
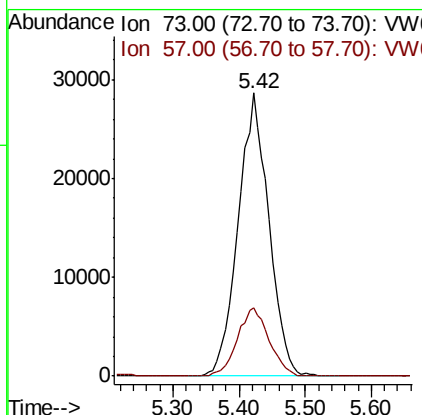
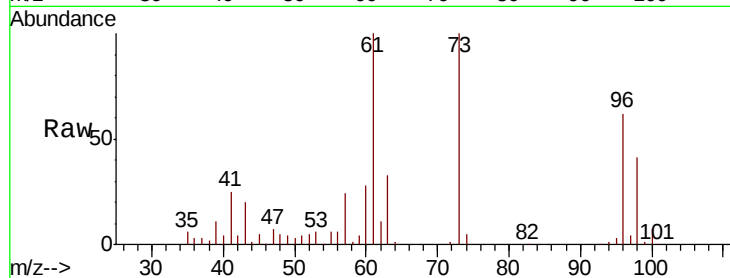




#19
Methyl tert-butyl Ether
Concen: 22.283 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012225.D
Acq: 27 Aug 2019 22:55

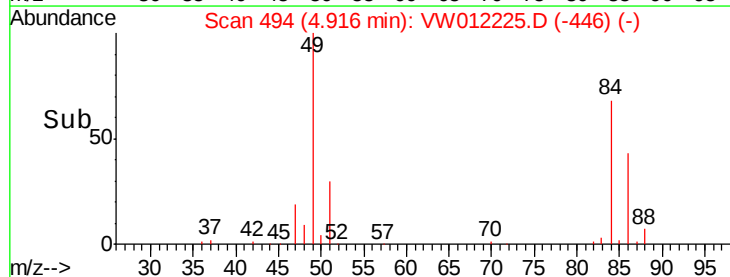
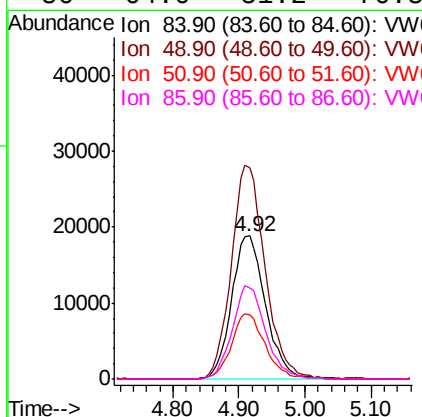
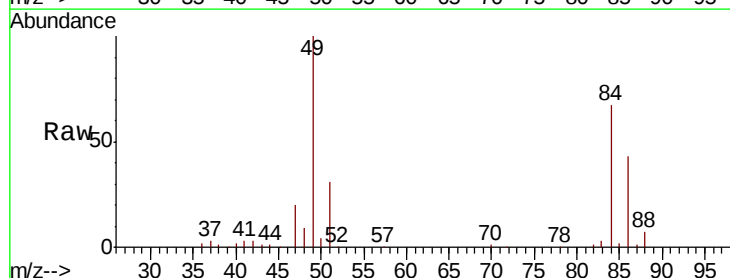
Instrument :
MSVOA_W
ClientSampleId :
VW0827SBS02

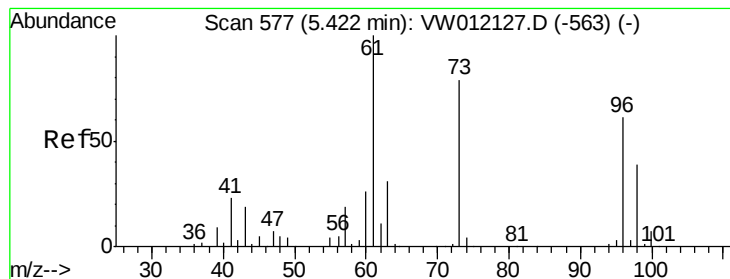
Tgt Ion: 73 Resp: 92221
Ion Ratio Lower Upper
73 100
57 24.2 18.9 28.3



#20
Methylene Chloride
Concen: 22.912 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012225.D
Acq: 27 Aug 2019 22:55

Tgt Ion: 84 Resp: 67154
Ion Ratio Lower Upper
84 100
49 148.4 117.8 176.8
51 45.3 35.6 53.4
86 64.0 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 19.912 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW012225.D

Acq: 27 Aug 2019 22:55

Instrument :

MSVOA_W

ClientSampleId :

VW0827SBS02

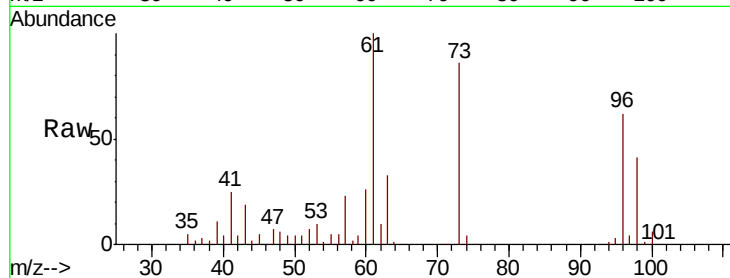
Tgt Ion: 96 Resp: 54644

Ion Ratio Lower Upper

96 100

61 160.7 131.4 197.0

98 66.1 51.4 77.0

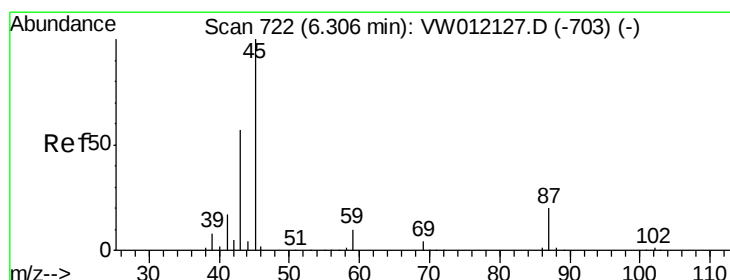
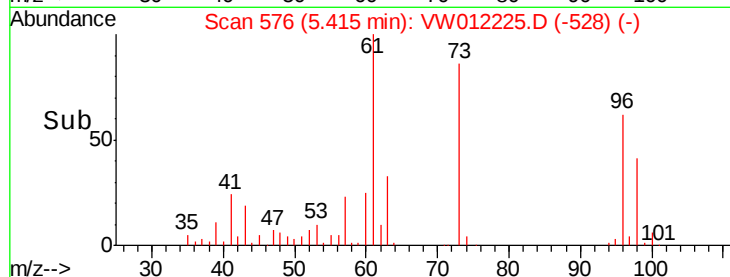
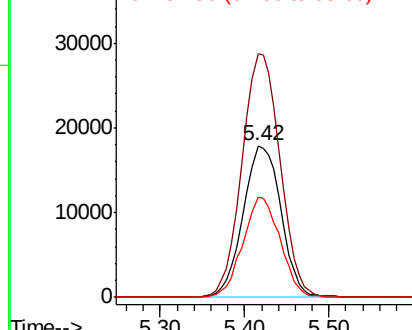


Abundance

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: 21.887 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW012225.D

Acq: 27 Aug 2019 22:55

Tgt Ion: 45 Resp: 221961

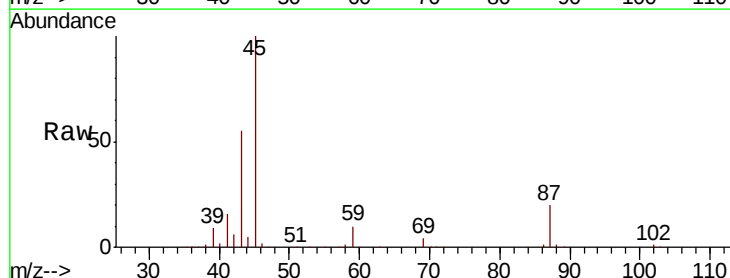
Ion Ratio Lower Upper

45 100

43 54.6 45.5 68.3

87 19.6 16.1 24.1

59 10.3 8.2 12.2



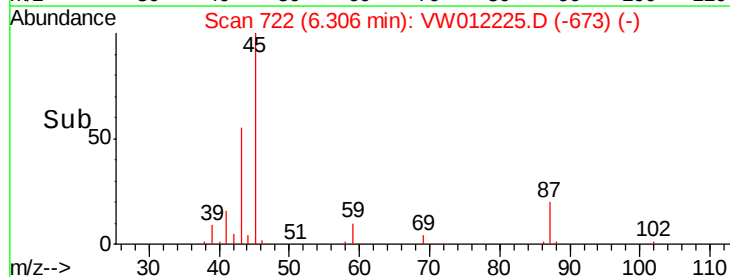
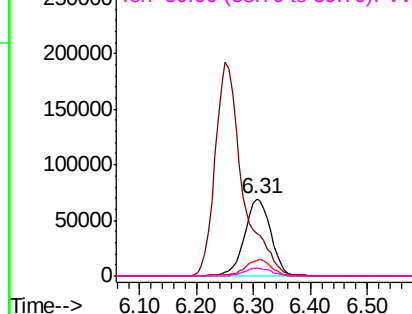
Abundance

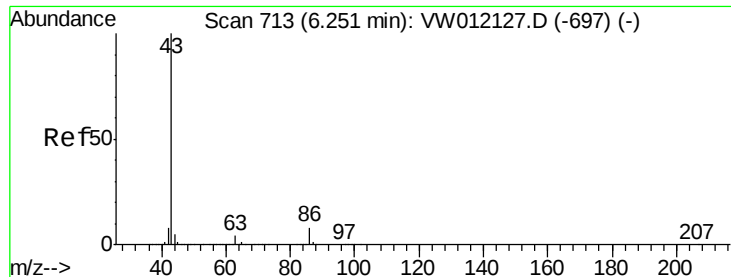
Ion 45.00 (44.70 to 45.70): VW

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: 102.865 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012225.D

Acq: 27 Aug 2019 22:55

Instrument :

MSVOA_W

ClientSampleId :

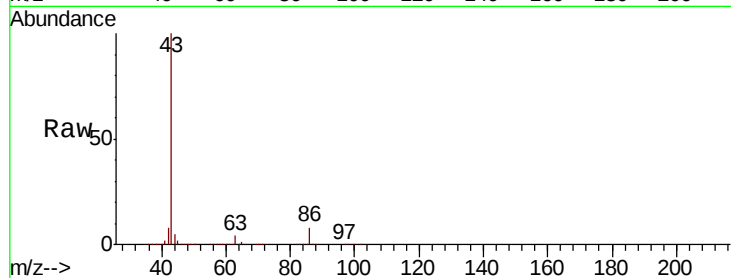
VW0827SBS02

Tgt Ion: 43 Resp: 641990

Ion Ratio Lower Upper

43 100

86 8.1 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

200000

150000

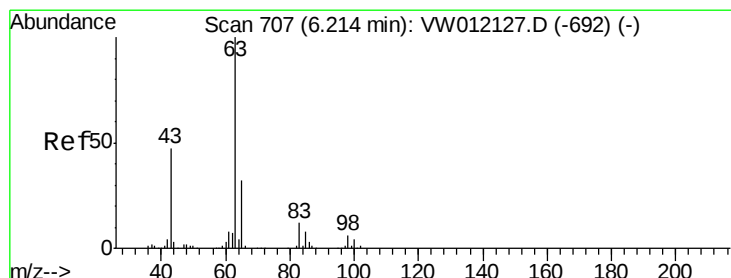
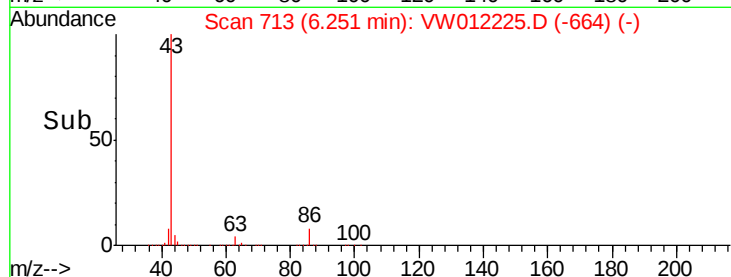
100000

50000

0

6.20 6.40

Time-->



#24

1,1-Dichloroethane

Concen: 20.953 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012225.D

Acq: 27 Aug 2019 22:55

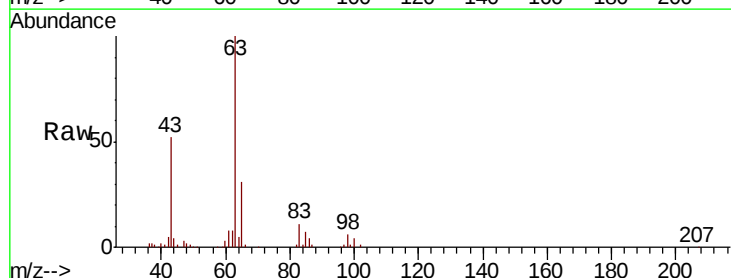
Tgt Ion: 63 Resp: 115695

Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.2

100 4.0 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

50000

40000

30000

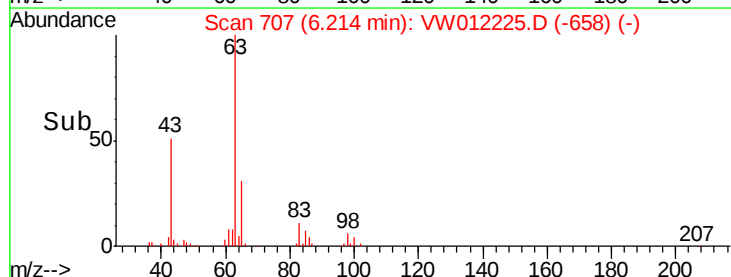
20000

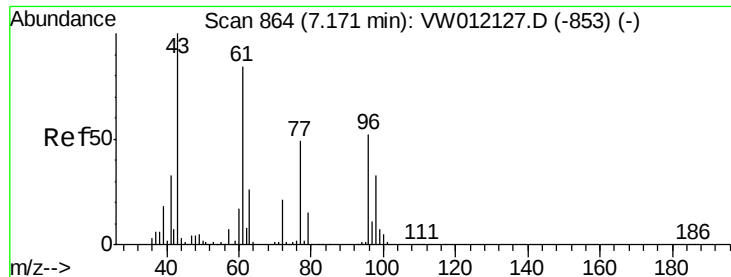
10000

0

6.10 6.20 6.30 6.40

Time-->





#25

2-Butanone

Concen: 101.496 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW012225.D

Acq: 27 Aug 2019 22:55

Instrument :

MSVOA_W

ClientSampleId :

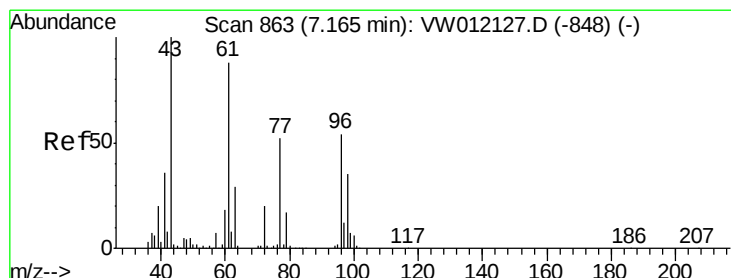
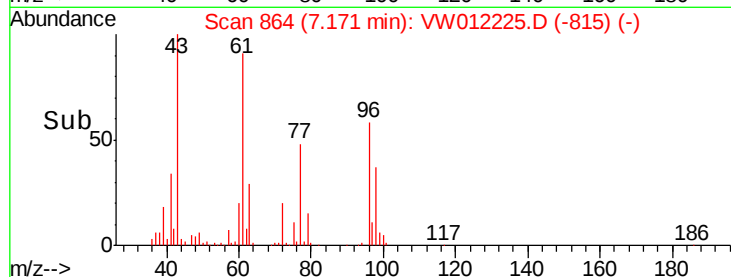
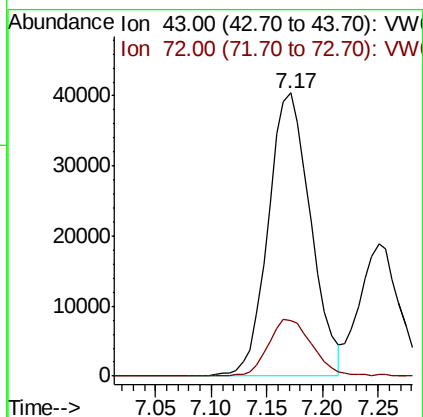
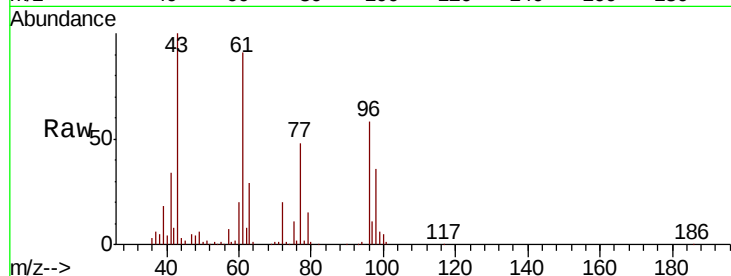
VW0827SBS02

Tgt Ion: 43 Resp: 106929

Ion Ratio Lower Upper

43 100

72 19.8 16.6 24.8



#26

2,2-Dichloropropane

Concen: 20.249 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012225.D

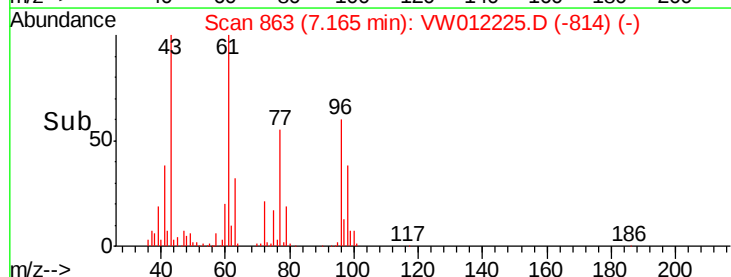
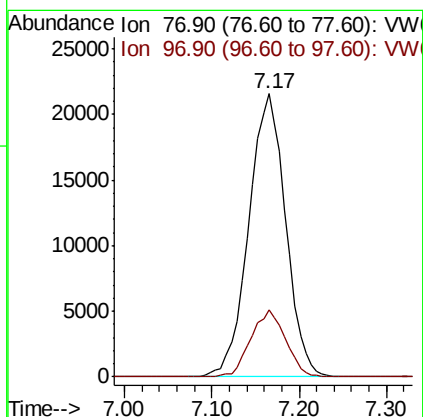
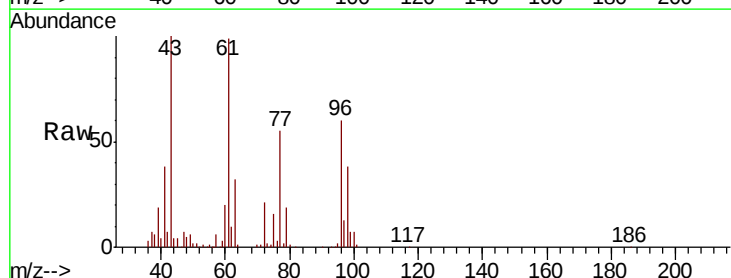
Acq: 27 Aug 2019 22:55

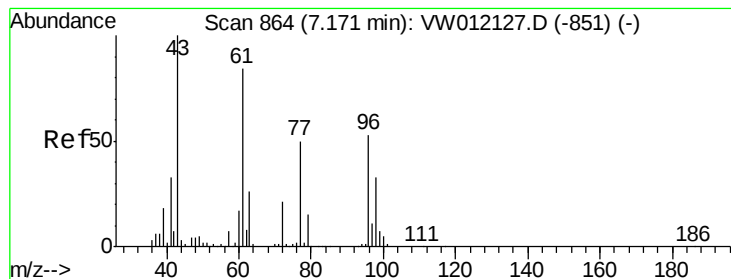
Tgt Ion: 77 Resp: 63284

Ion Ratio Lower Upper

77 100

97 22.3 11.1 33.1



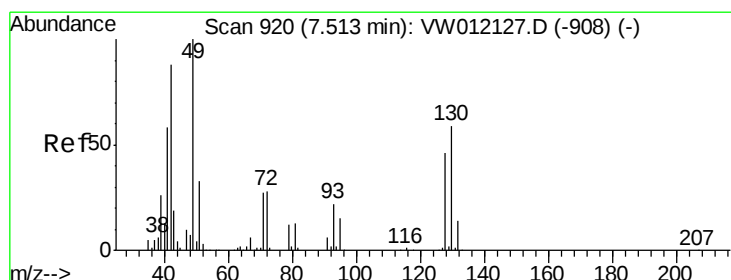
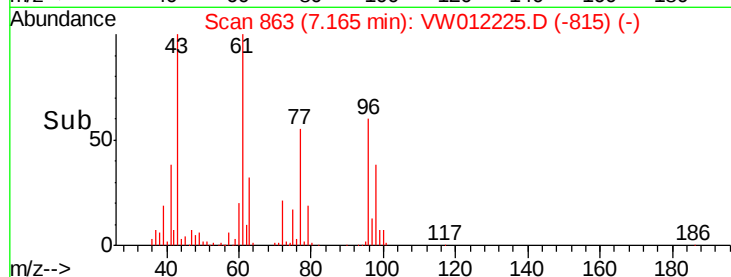
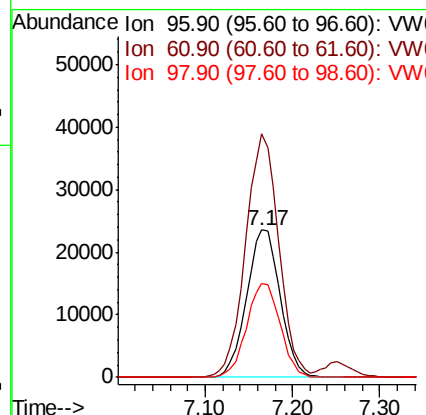
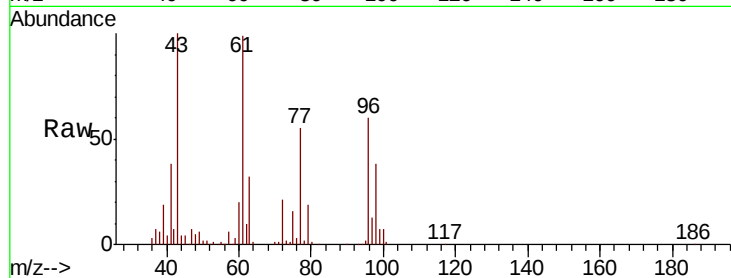


#27

cis-1,2-Dichloroethene
Concen: 21.396 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012225.D
Acq: 27 Aug 2019 22:55

Instrument :
MSVOA_W
ClientSampleId :
VW0827SBS02

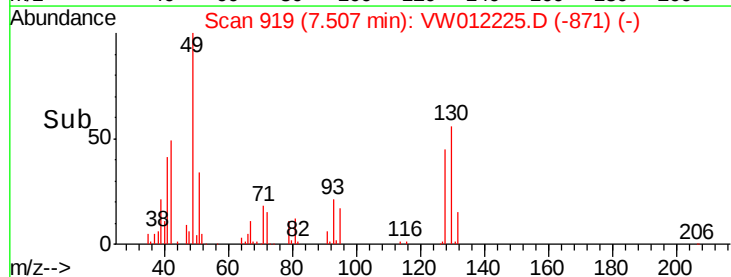
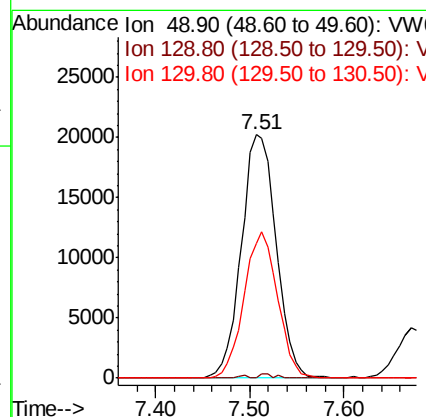
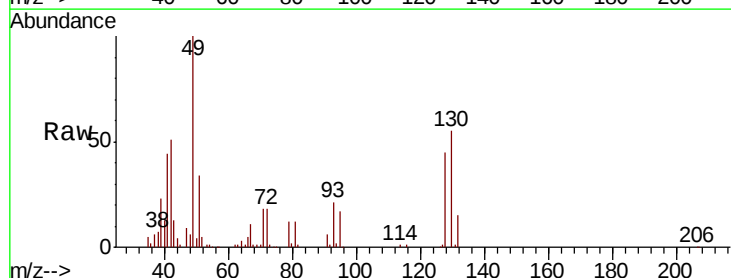
Tgt Ion: 96 Resp: 62735
Ion Ratio Lower Upper
96 100
61 163.3 0.0 326.6
98 64.0 0.0 127.4

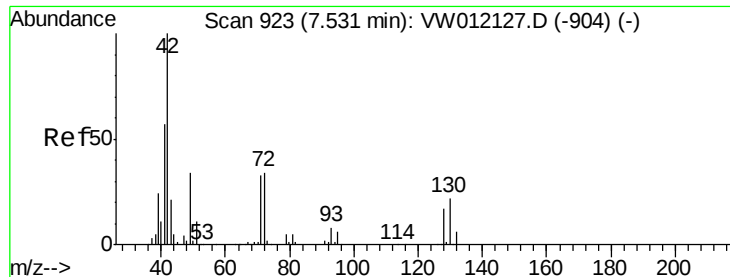


#28

Bromochloromethane
Concen: 21.709 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW012225.D
Acq: 27 Aug 2019 22:55

Tgt Ion: 49 Resp: 52245
Ion Ratio Lower Upper
49 100
129 0.7 0.0 1.4
130 58.1 45.5 68.3

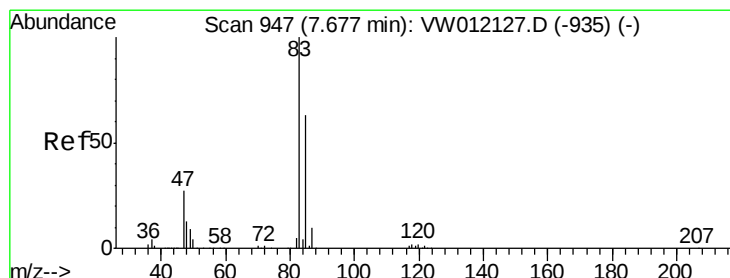
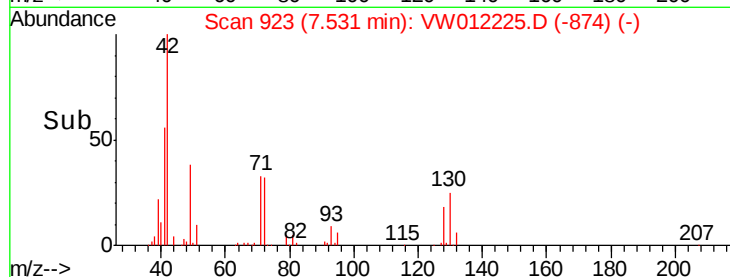
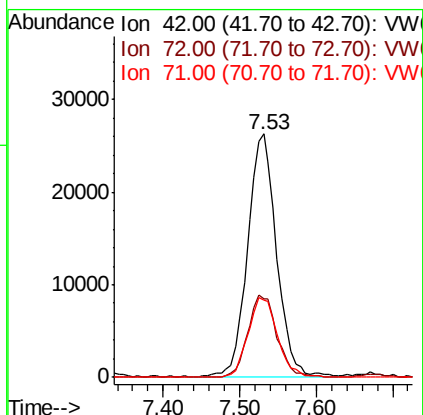
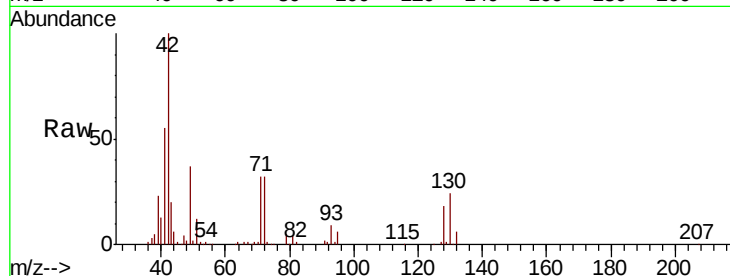




#29
Tetrahydrofuran
Concen: 109.142 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012225.D
Acq: 27 Aug 2019 22:55

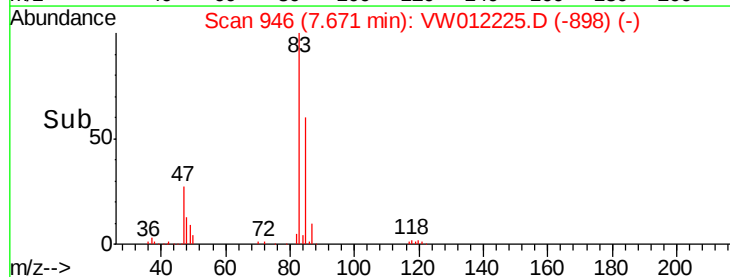
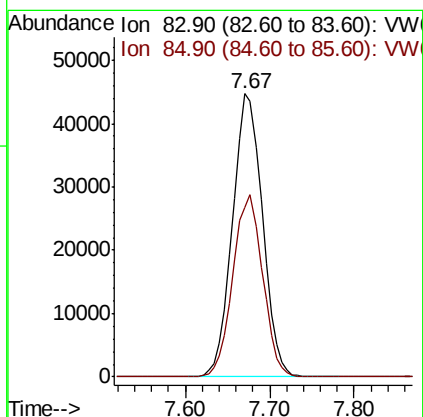
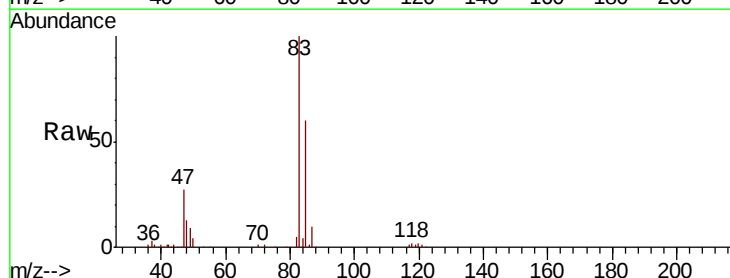
Instrument :
MSVOA_W
ClientSampleId :
VW0827SBS02

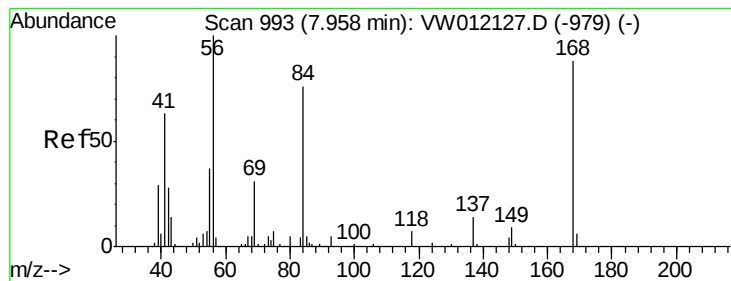
Tgt Ion: 42 Resp: 68986
Ion Ratio Lower Upper
42 100
72 34.2 27.3 40.9
71 33.6 25.5 38.3



#30
Chloroform
Concen: 21.313 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012225.D
Acq: 27 Aug 2019 22:55

Tgt Ion: 83 Resp: 107669
Ion Ratio Lower Upper
83 100
85 59.9 50.6 76.0





#31

Cyclohexane

Concen: 18.487 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012225.D

Acq: 27 Aug 2019 22:55

Instrument :

MSVOA_W

ClientSampleId :

VW0827SBS02

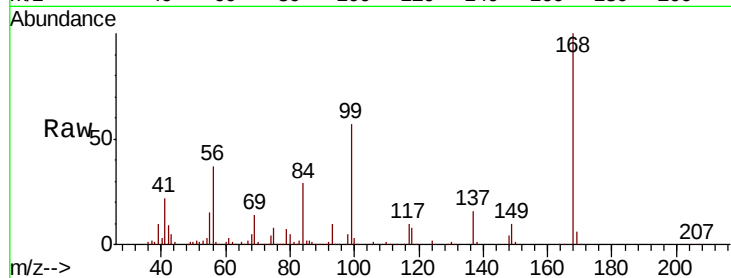
Tgt Ion: 56 Resp: 100995

Ion Ratio Lower Upper

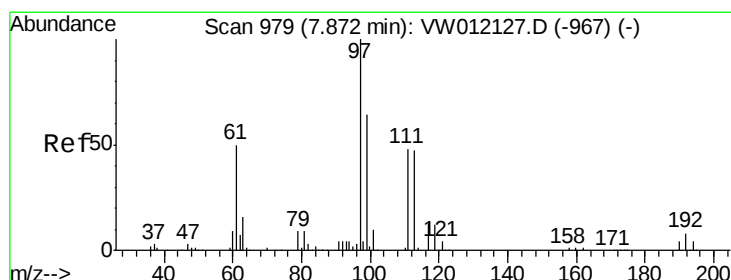
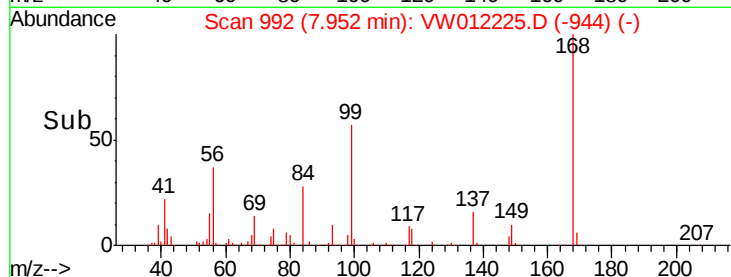
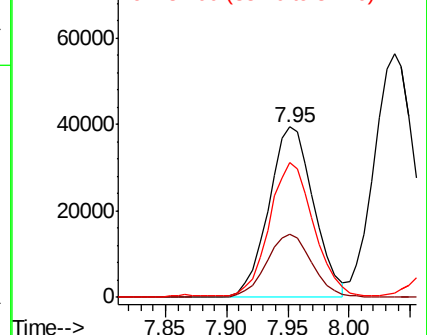
56 100

69 37.2 24.9 37.3

84 77.4 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: 20.638 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW012225.D

Acq: 27 Aug 2019 22:55

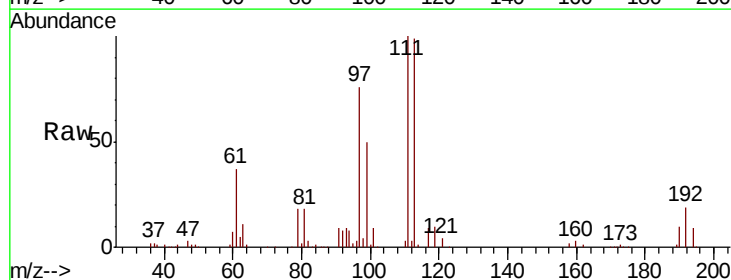
Tgt Ion: 97 Resp: 82478

Ion Ratio Lower Upper

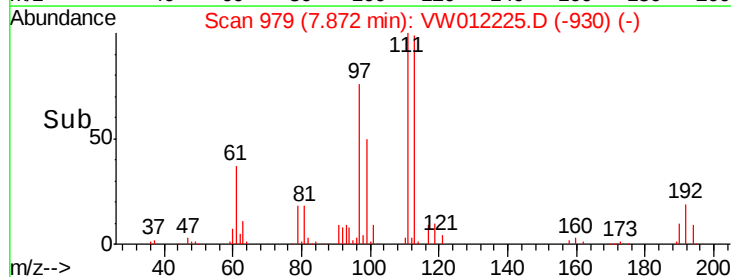
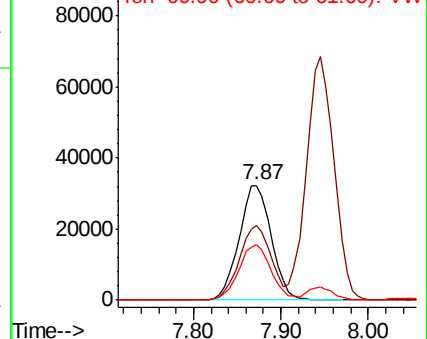
97 100

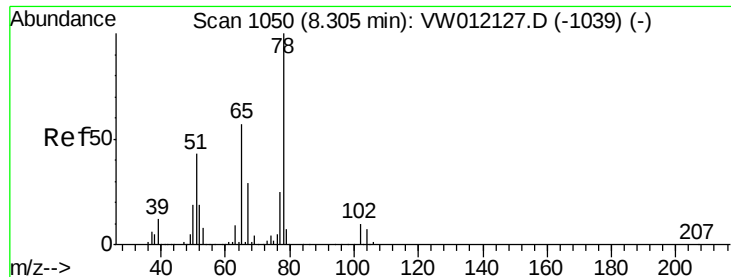
99 64.1 51.4 77.0

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

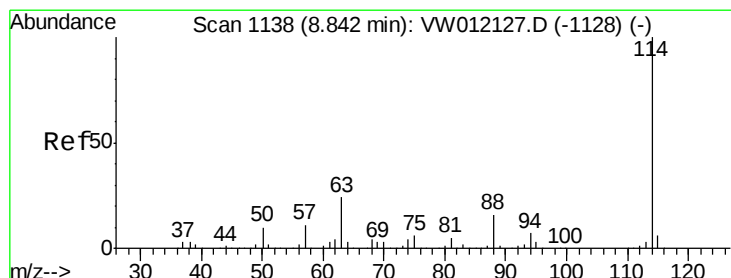
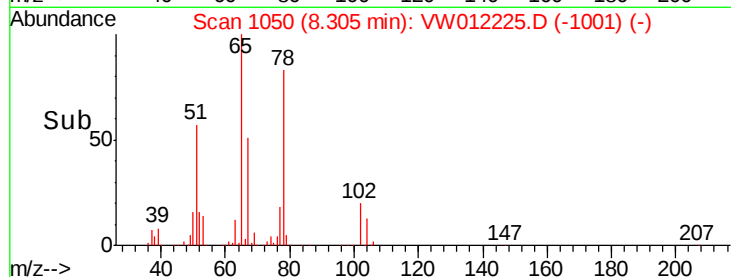
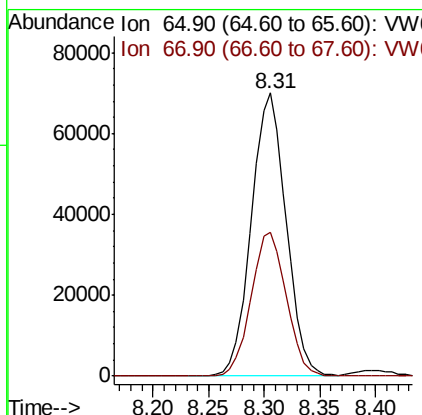
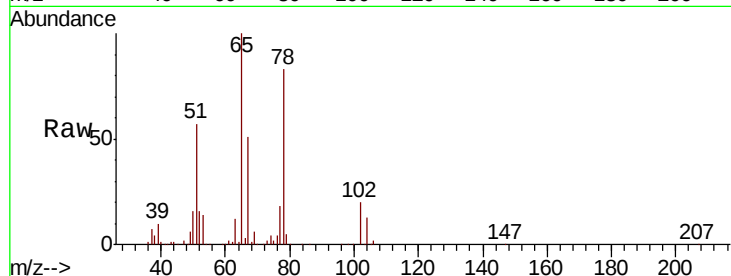




#33
 1,2-Dichloroethane-d4
 Concen: 50.208 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012225.D
 Acq: 27 Aug 2019 22:55

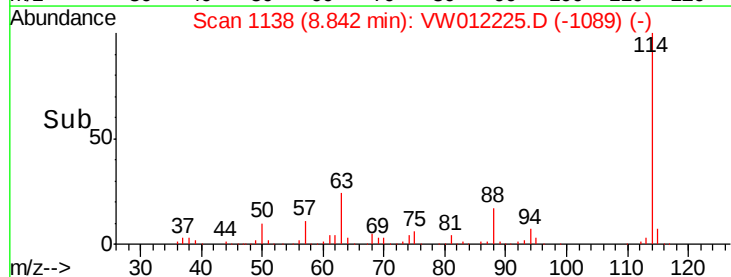
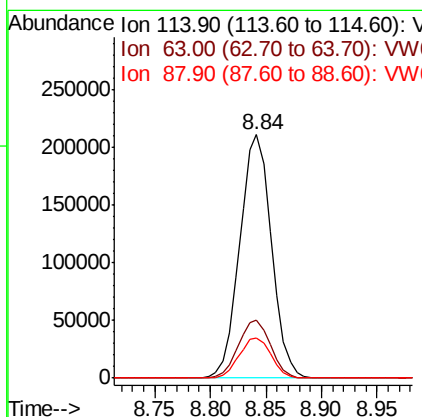
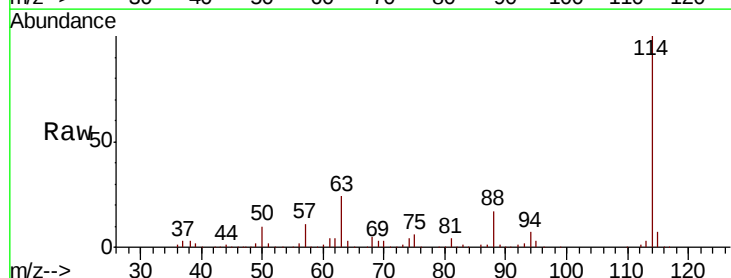
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0827SBS02

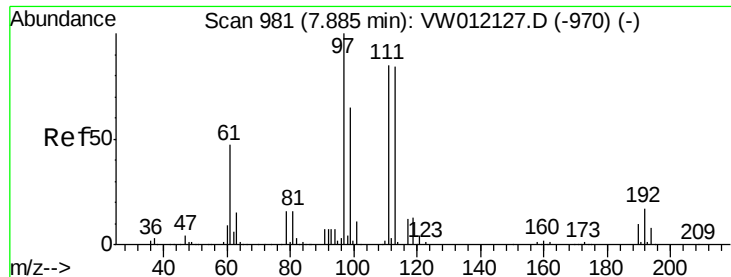
Tgt Ion: 65 Resp: 152280
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012225.D
 Acq: 27 Aug 2019 22:55

Tgt Ion: 114 Resp: 417472
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 48.6
 88 16.6 0.0 32.2

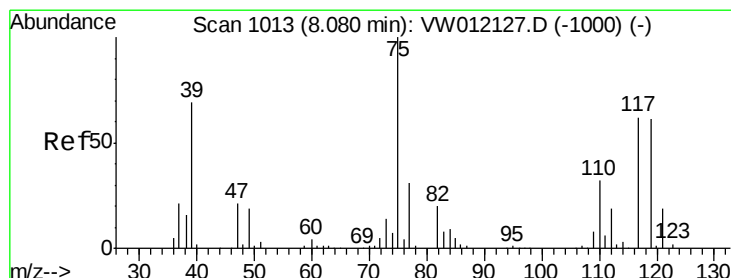
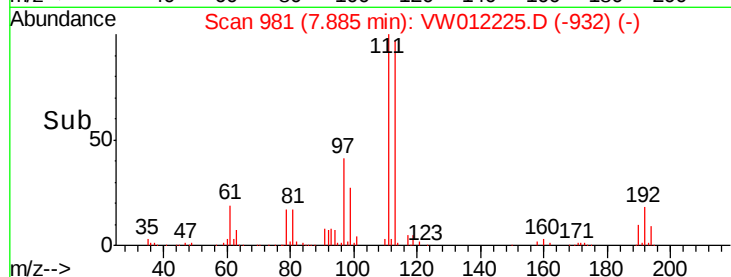
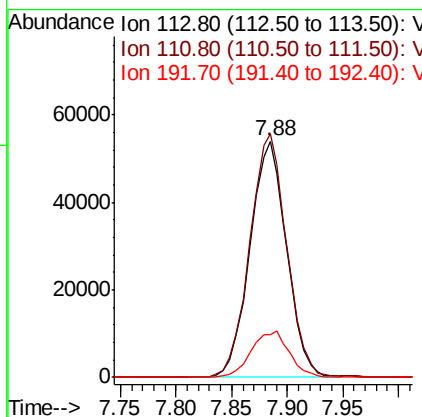
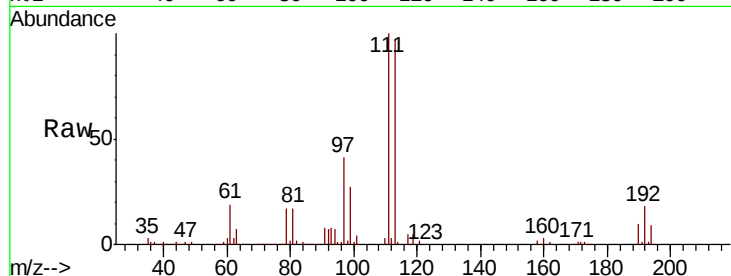




#35
 Dibromofluoromethane
 Concen: 49.526 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012225.D
 Acq: 27 Aug 2019 22:55

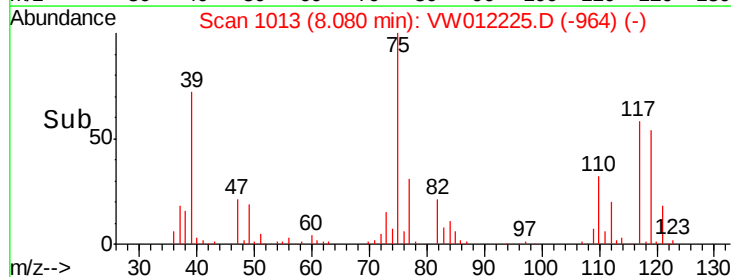
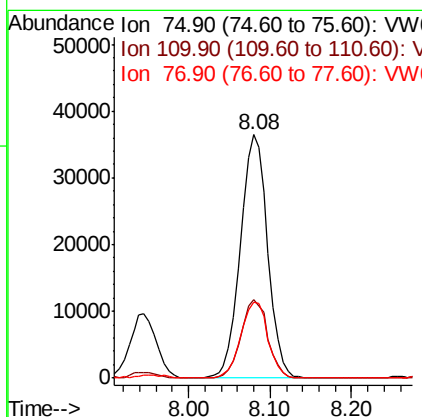
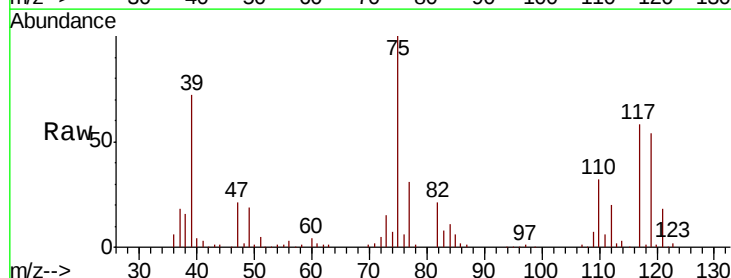
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0827SBS02

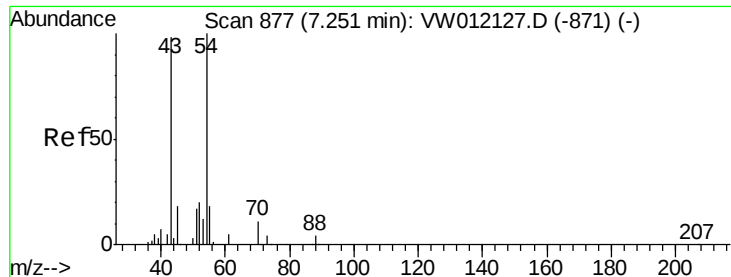
Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.1	82.7	124.1
192	20.3	16.2	24.2



#36
 1,1-Dichloropropene
 Concen: 19.549 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012225.D
 Acq: 27 Aug 2019 22:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.5	15.6	46.8
77	31.6	24.6	36.8

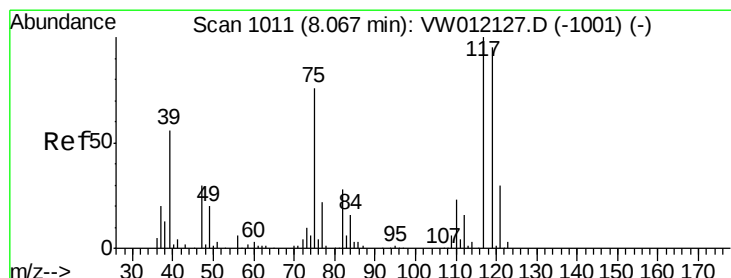
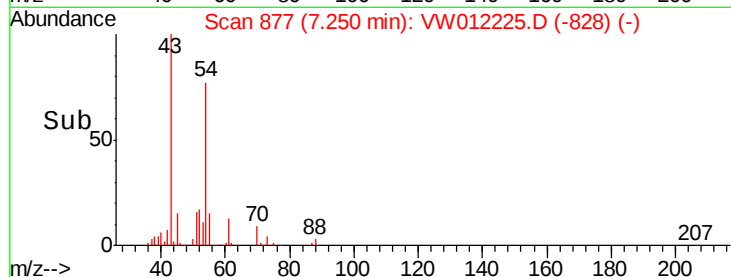
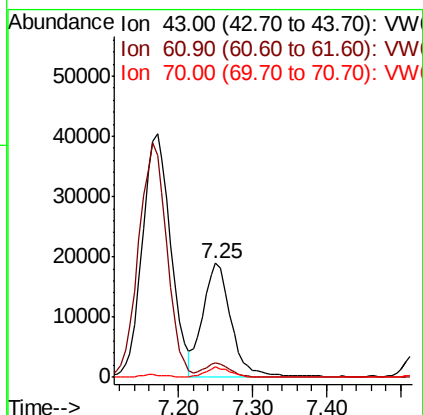
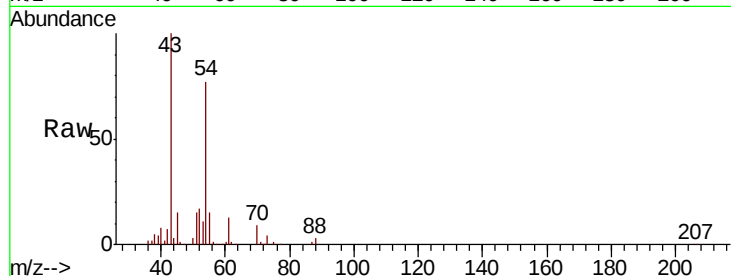




#37
Ethyl Acetate
Concen: 20.880 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012225.D
Acq: 27 Aug 2019 22:55

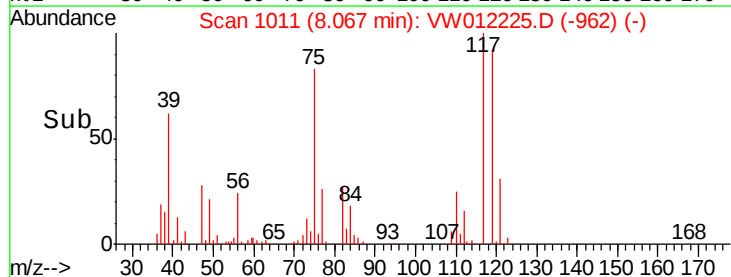
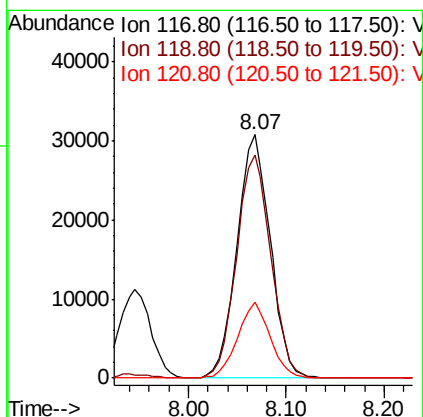
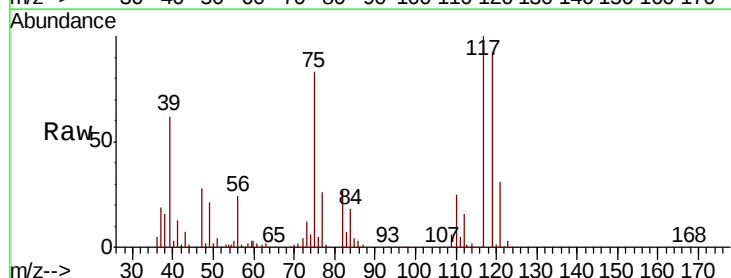
Instrument :
MSVOA_W
ClientSampleId :
VW0827SBS02

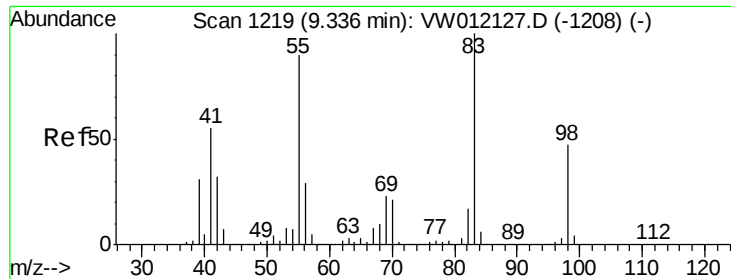
Tgt Ion: 43 Resp: 49362
Ion Ratio Lower Upper
43 100
61 12.1 9.2 13.8
70 8.0 6.9 10.3



#38
Carbon Tetrachloride
Concen: 19.528 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012225.D
Acq: 27 Aug 2019 22:55

Tgt Ion: 117 Resp: 72915
Ion Ratio Lower Upper
117 100
119 91.9 76.2 114.2
121 31.4 23.8 35.8

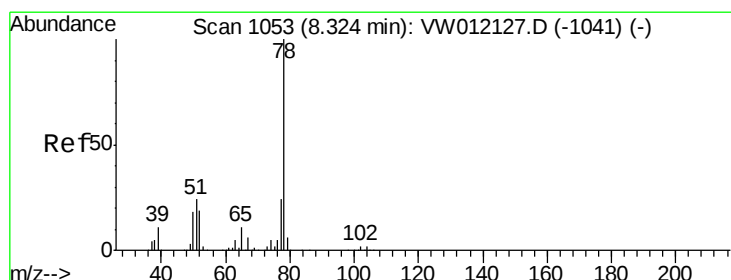
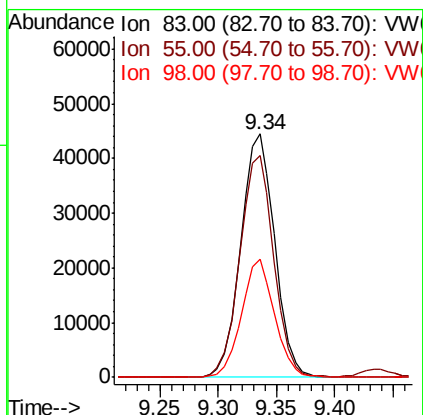
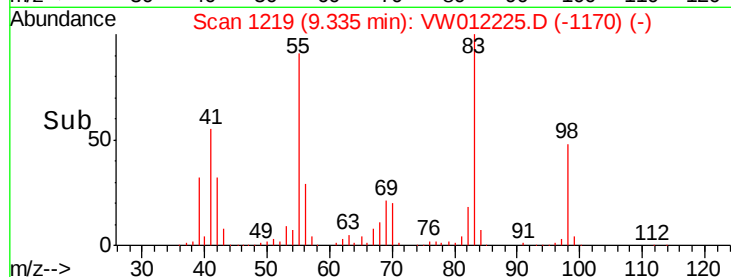
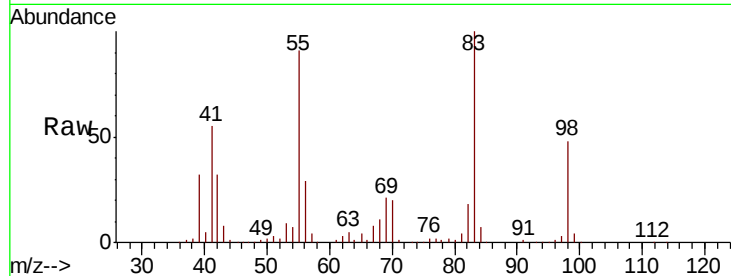




#39
Methylcyclohexane
Concen: 18.621 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012225.D
Acq: 27 Aug 2019 22:55

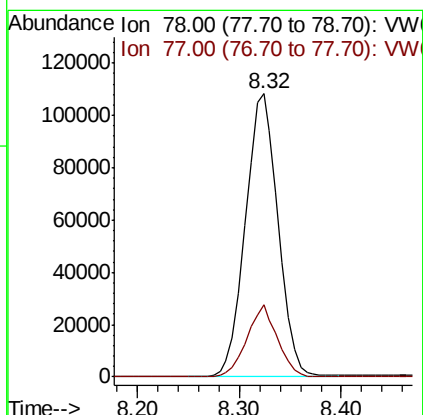
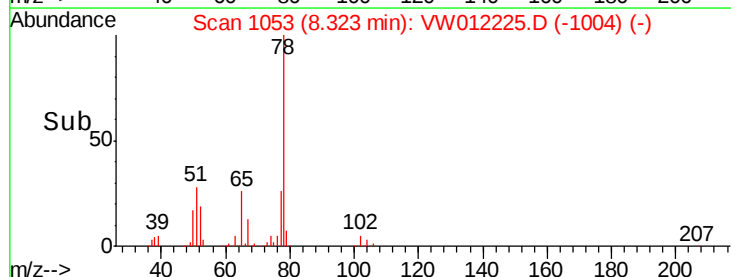
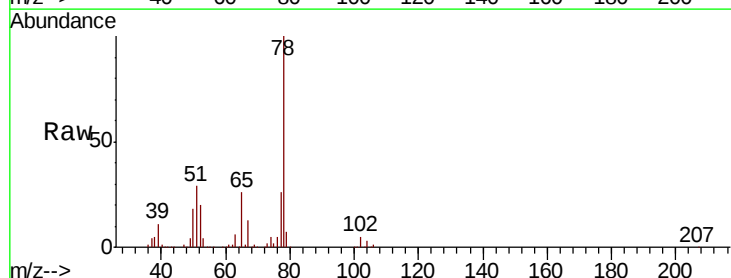
Instrument :
MSVOA_W
ClientSampleId :
VW0827SBS02

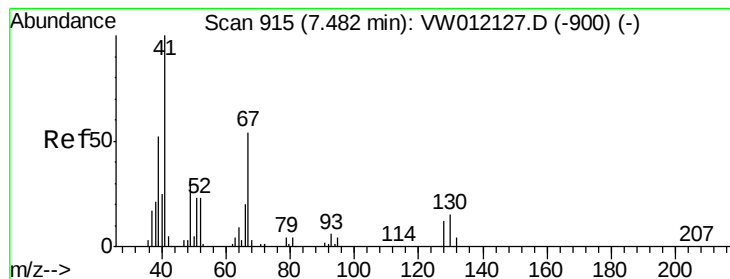
Tgt Ion: 83 Resp: 90249
Ion Ratio Lower Upper
83 100
55 91.2 71.8 107.8
98 48.4 37.8 56.8



#40
Benzene
Concen: 20.499 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012225.D
Acq: 27 Aug 2019 22:55

Tgt Ion: 78 Resp: 241472
Ion Ratio Lower Upper
78 100
77 25.7 19.5 29.3





#41

Methacrylonitrile

Concen: 21.444 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW012225.D

Acq: 27 Aug 2019 22:55

Instrument :

MSVOA_W

ClientSampleId :

VW0827SBS02

Tgt Ion: 41 Resp: 29795

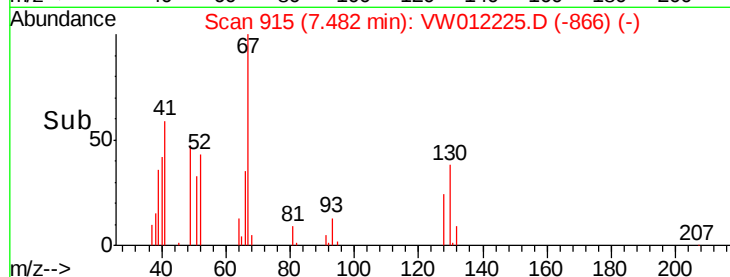
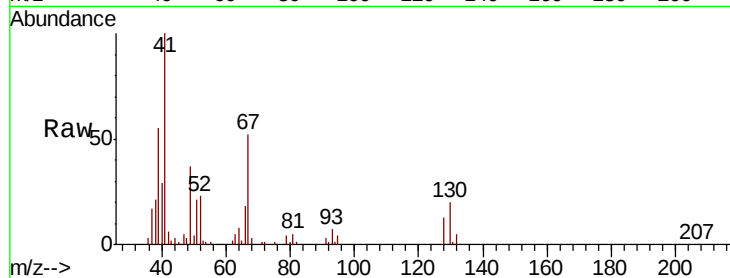
Ion Ratio Lower Upper

41 100

39 52.7 45.8 68.8

67 56.8 46.2 69.4

52 27.2 21.0 31.6

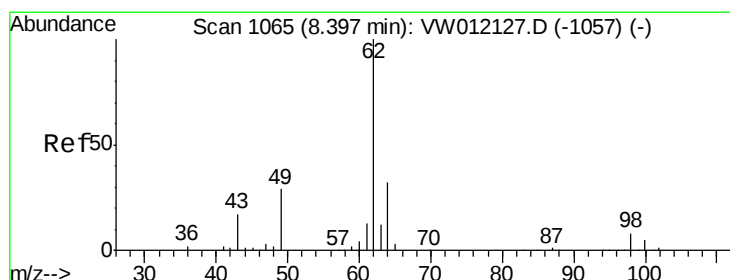
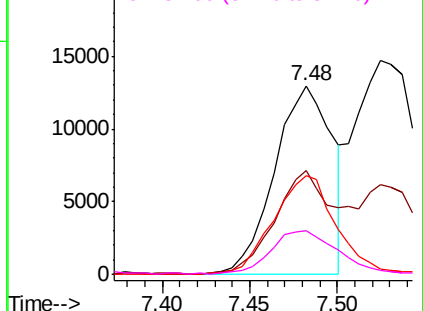


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 20.615 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW012225.D

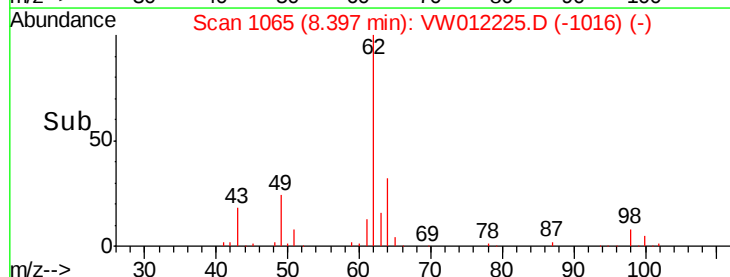
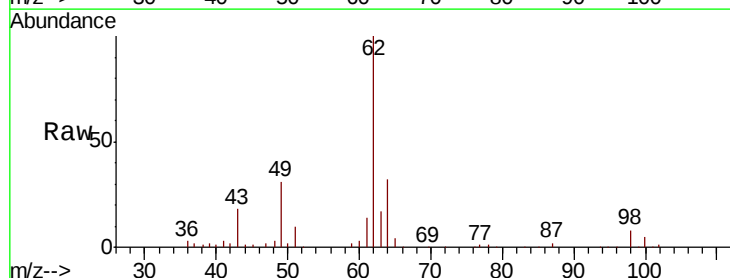
Acq: 27 Aug 2019 22:55

Tgt Ion: 62 Resp: 76111

Ion Ratio Lower Upper

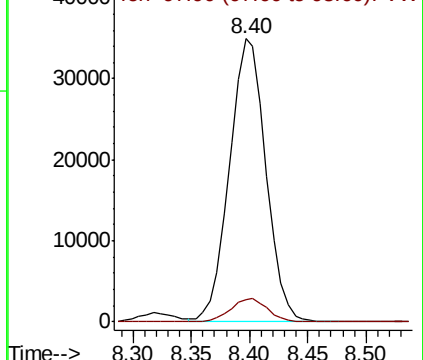
62 100

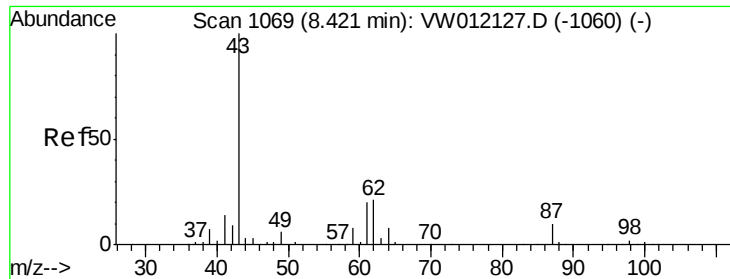
98 8.3 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 21.060 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012225.D

Acq: 27 Aug 2019 22:55

Instrument :

MSVOA_W

ClientSampleId :

VW0827SBS02

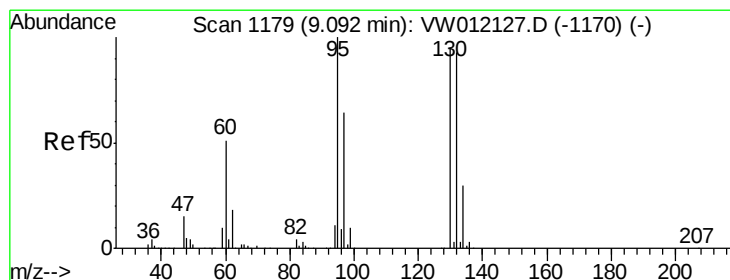
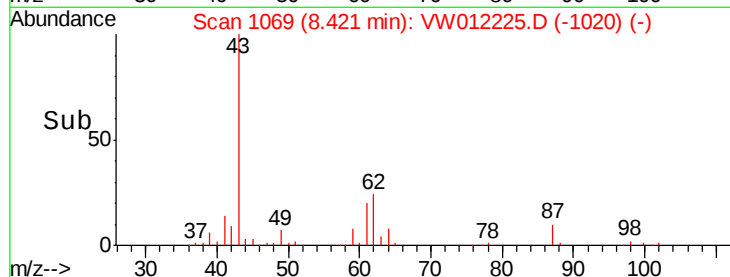
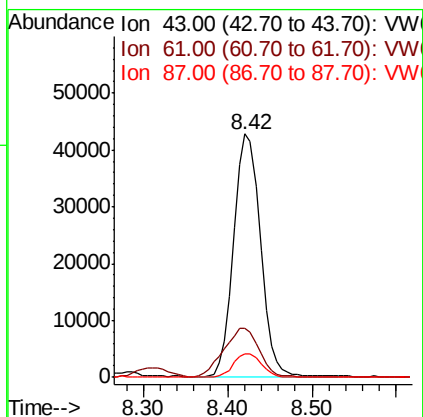
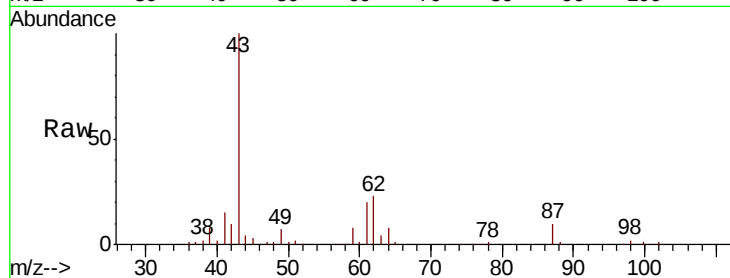
Tgt Ion: 43 Resp: 92223

Ion Ratio Lower Upper

43 100

61 26.2 21.1 31.7

87 10.2 8.2 12.2



#44

Trichloroethene

Concen: 20.064 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW012225.D

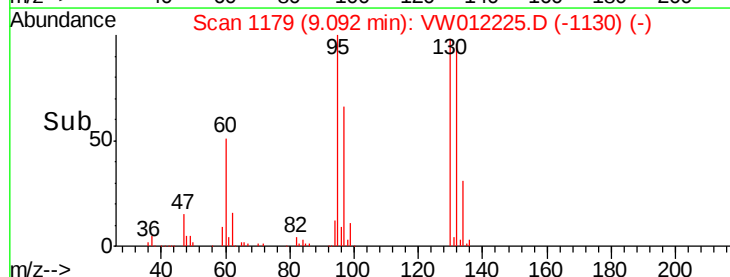
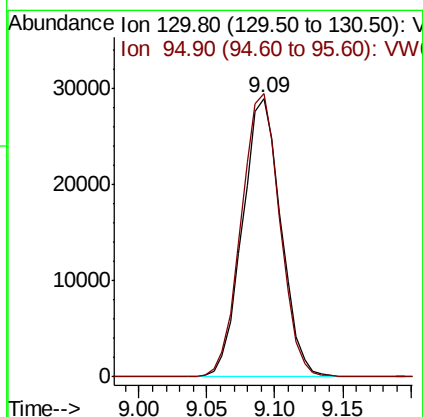
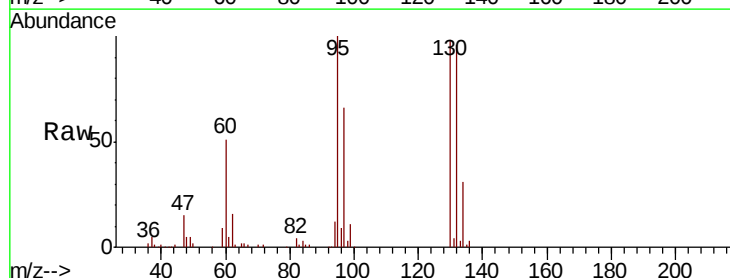
Acq: 27 Aug 2019 22:55

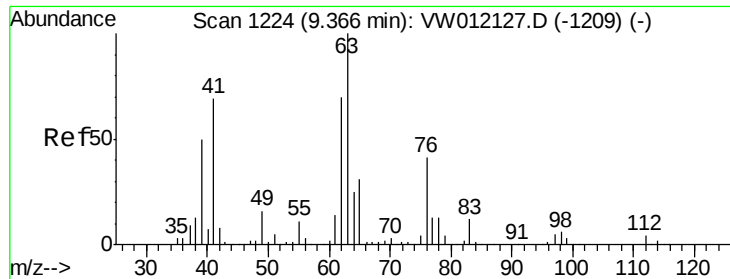
Tgt Ion: 130 Resp: 57456

Ion Ratio Lower Upper

130 100

95 101.7 0.0 210.6

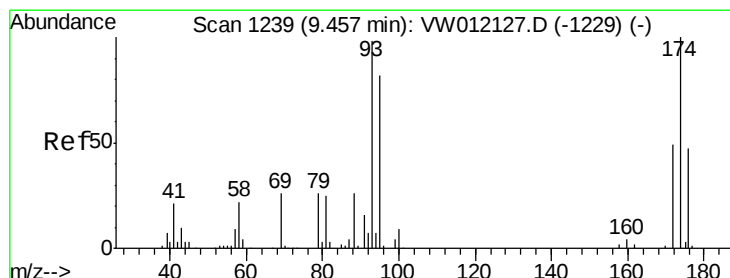
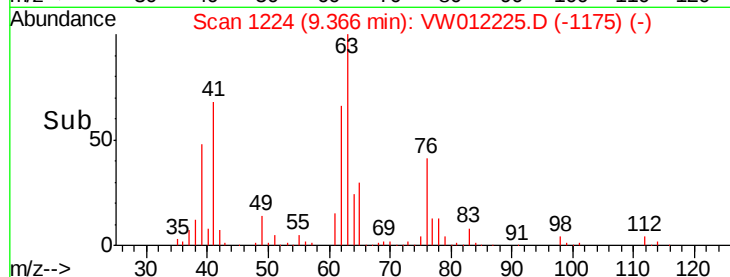
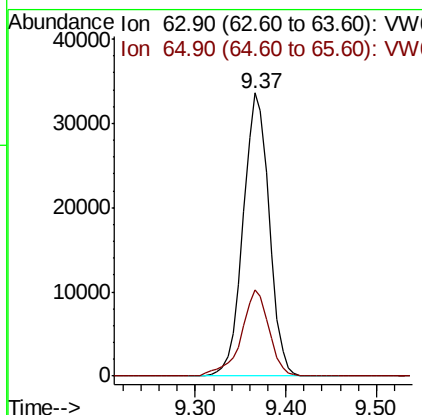
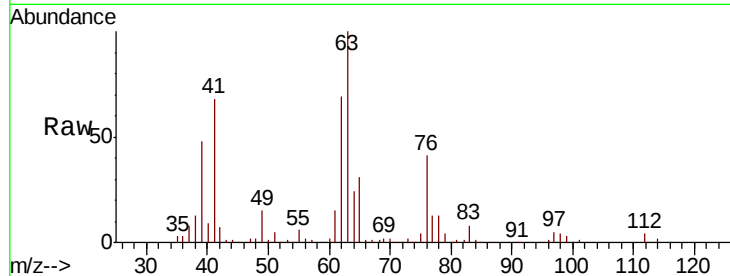




#45
 1,2-Dichloropropane
 Concen: 21.143 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012225.D
 Acq: 27 Aug 2019 22:55

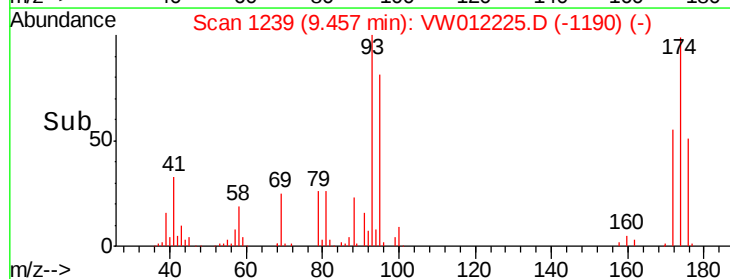
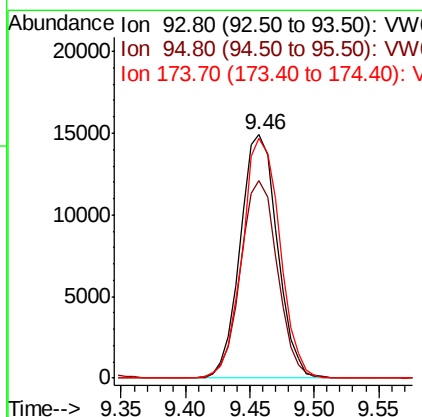
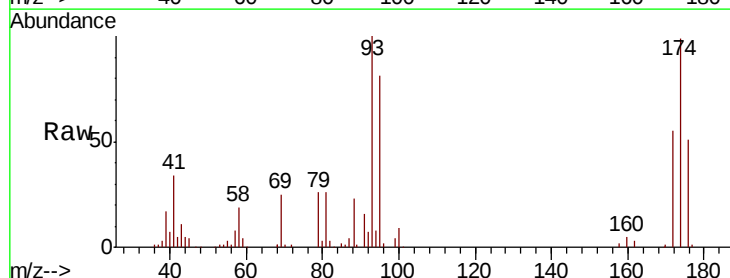
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0827SBS02

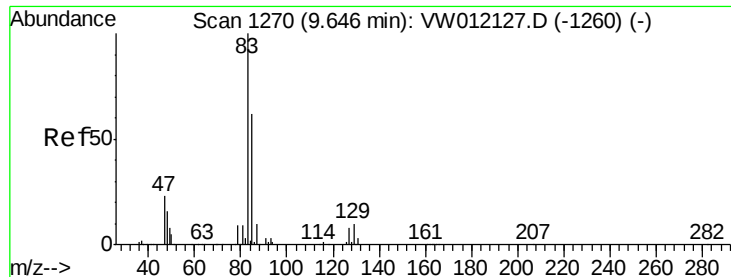
Tgt Ion: 63 Resp: 67031
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.0 37.4



#46
 Dibromomethane
 Concen: 21.054 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012225.D
 Acq: 27 Aug 2019 22:55

Tgt Ion: 93 Resp: 29698
 Ion Ratio Lower Upper
 93 100
 95 80.6 67.2 100.8
 174 99.4 79.0 118.6





#47

Bromodichloromethane

Concen: 20.539 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012225.D

Acq: 27 Aug 2019 22:55

Instrument :

MSVOA_W

ClientSampleId :

VW0827SBS02

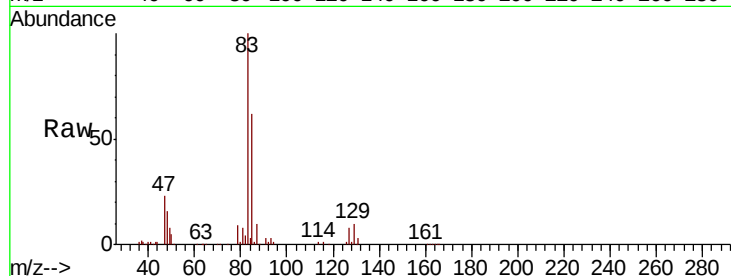
Tgt Ion: 83 Resp: 77107

Ion Ratio Lower Upper

83 100

85 61.8 49.4 74.2

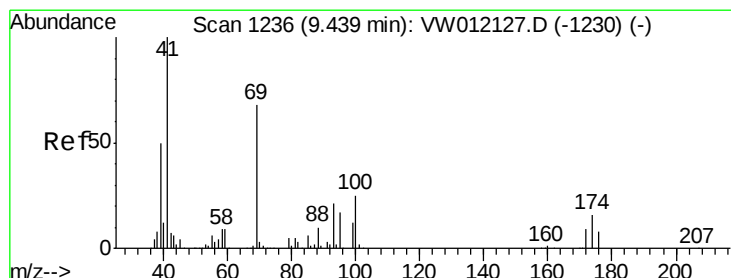
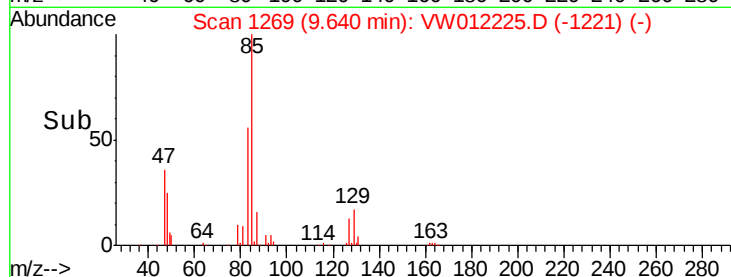
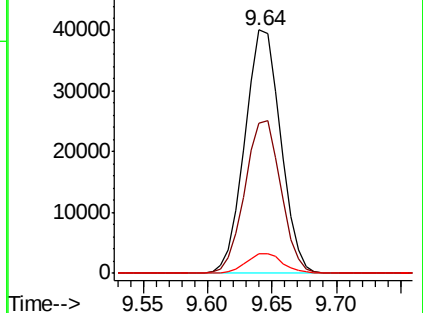
127 8.2 6.1 9.1



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 20.988 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW012225.D

Acq: 27 Aug 2019 22:55

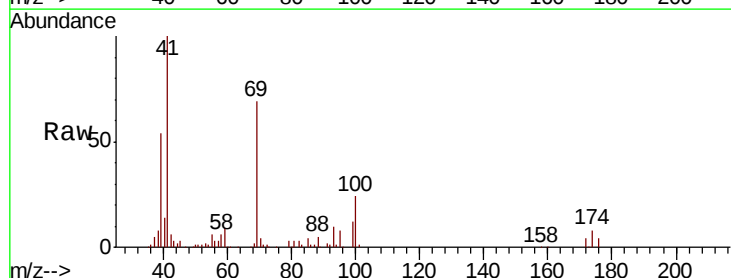
Tgt Ion: 41 Resp: 43742

Ion Ratio Lower Upper

41 100

69 73.1 56.7 85.1

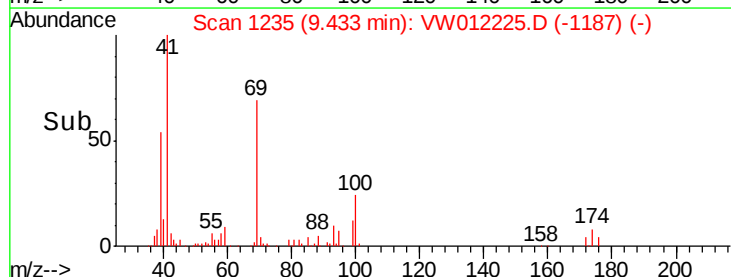
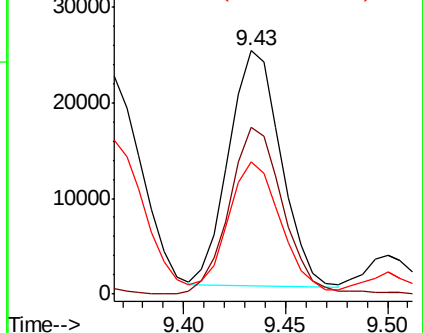
39 57.0 42.0 63.0

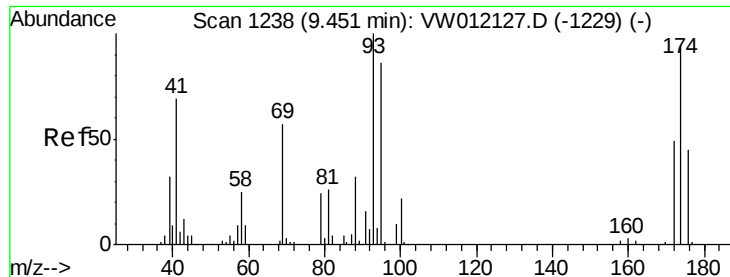


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

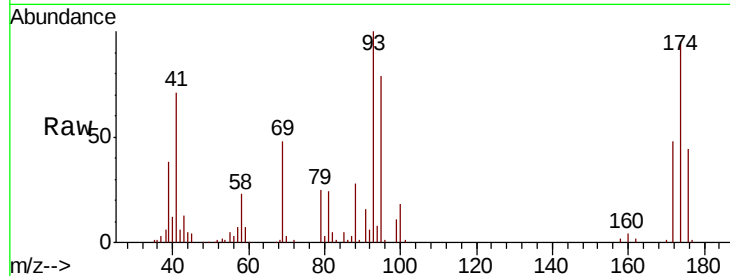




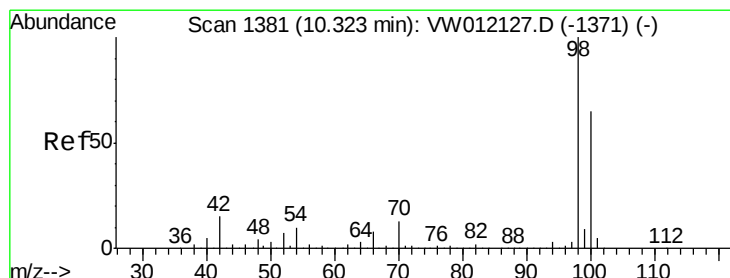
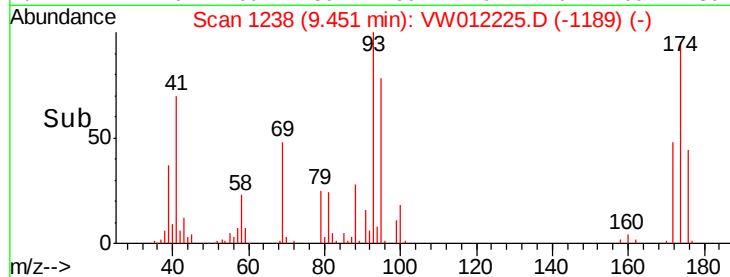
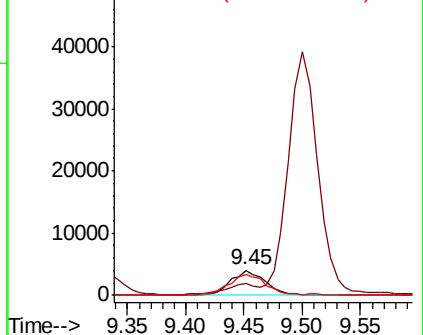
#49
1,4-Dioxane
Concen: 392.789 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. -0.00 min
Lab File: VW012225.D
Acq: 27 Aug 2019 22:55

Instrument :
MSVOA_W
ClientSampleId :
VW0827SBS02

Tgt Ion: 88 Resp: 8482
Ion Ratio Lower Upper
88 100
43 40.1 32.9 49.3
58 91.2 71.0 106.4

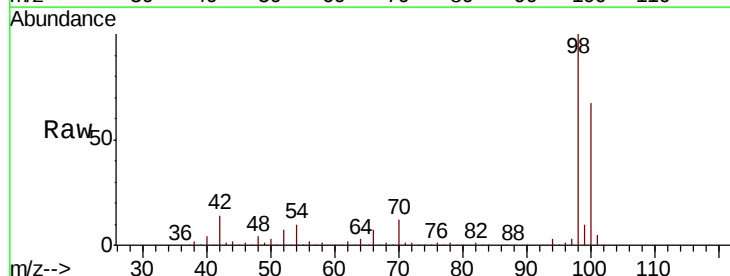


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

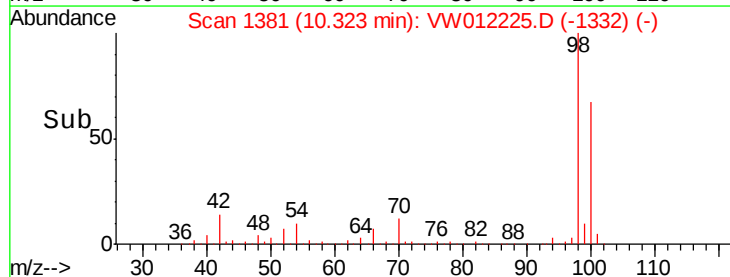
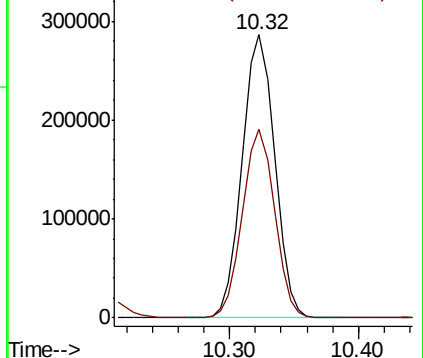


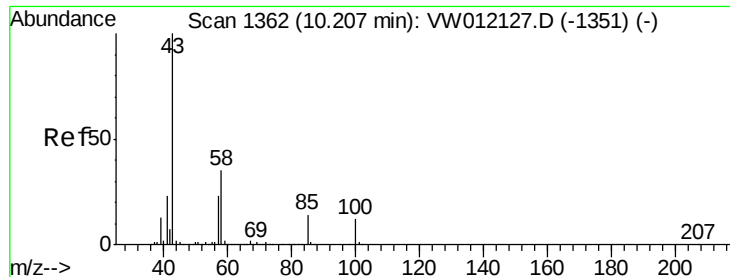
#50
Toluene-d8
Concen: 49.590 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012225.D
Acq: 27 Aug 2019 22:55

Tgt Ion: 98 Resp: 501057
Ion Ratio Lower Upper
98 100
100 65.7 52.4 78.6



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

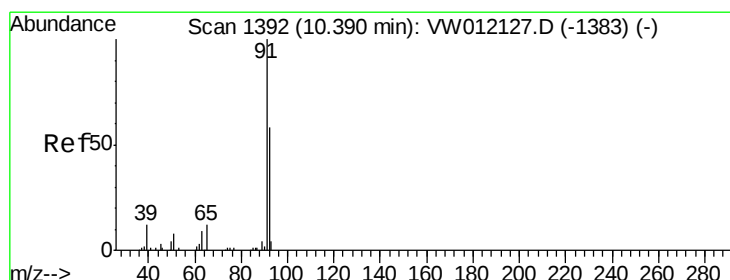
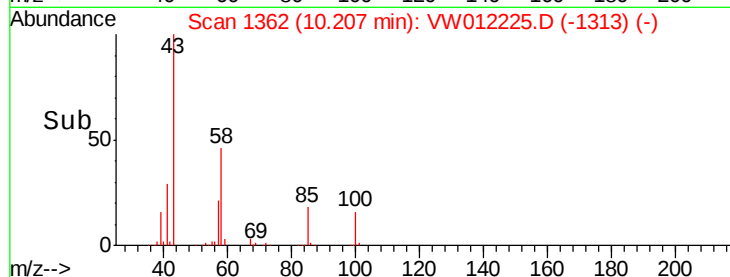
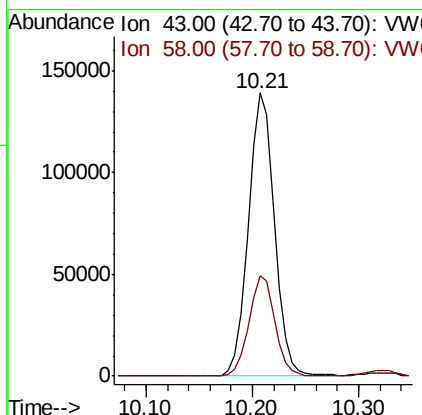
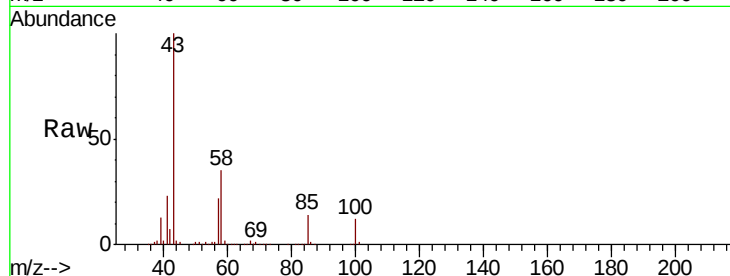




#51
4-Methyl-2-Pentanone
Concen: 107.301 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW012225.D
Acq: 27 Aug 2019 22:55

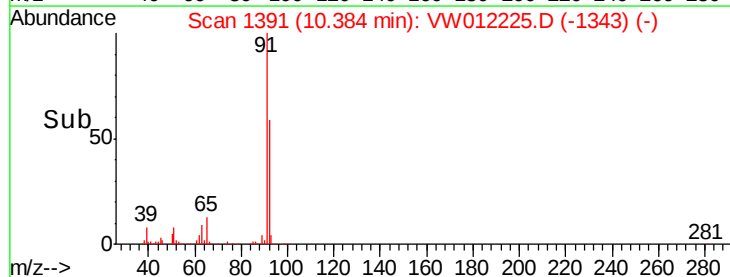
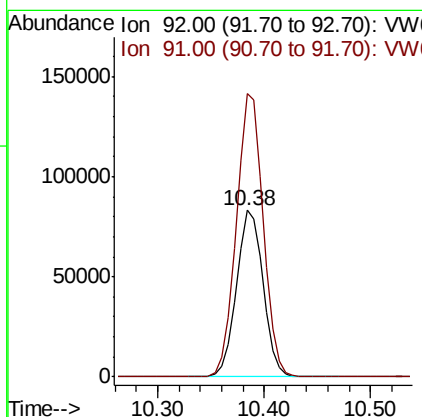
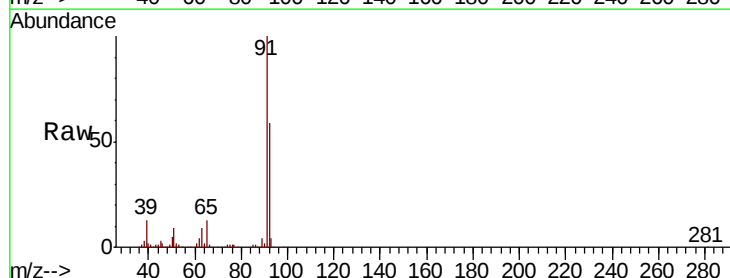
Instrument :
MSVOA_W
ClientSampleId :
VW0827SBS02

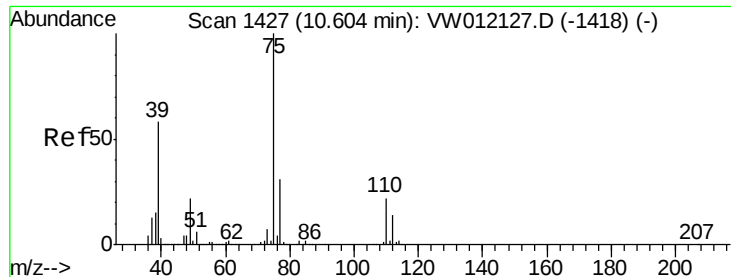
Tgt Ion: 43 Resp: 238989
Ion Ratio Lower Upper
43 100
58 35.4 28.2 42.2



#52
Toluene
Concen: 20.652 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW012225.D
Acq: 27 Aug 2019 22:55

Tgt Ion: 92 Resp: 146151
Ion Ratio Lower Upper
92 100
91 171.4 136.6 204.8





#53

t-1,3-Dichloropropene

Concen: 20.633 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012225.D

Acq: 27 Aug 2019 22:55

Instrument :

MSVOA_W

ClientSampleId :

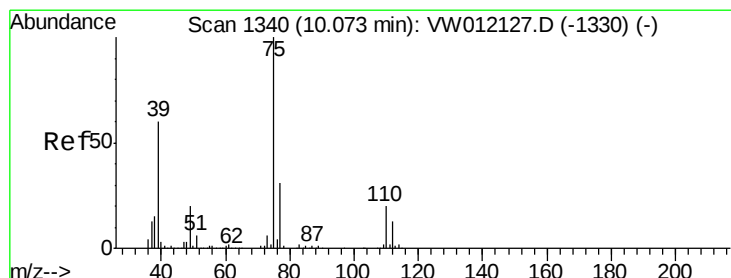
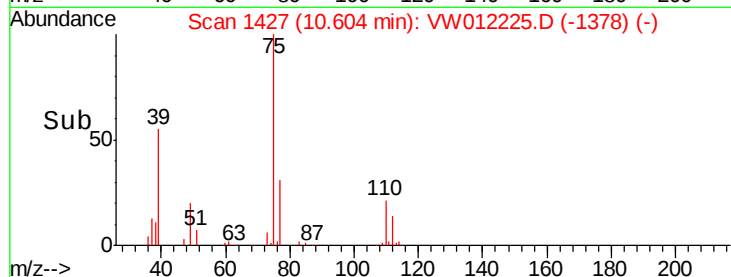
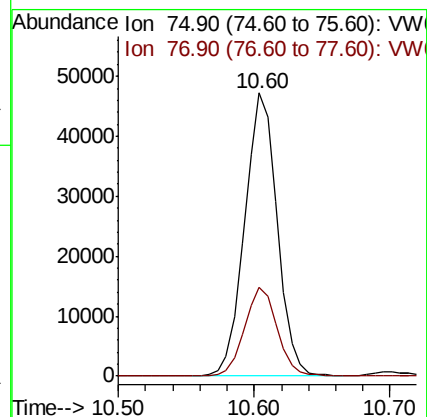
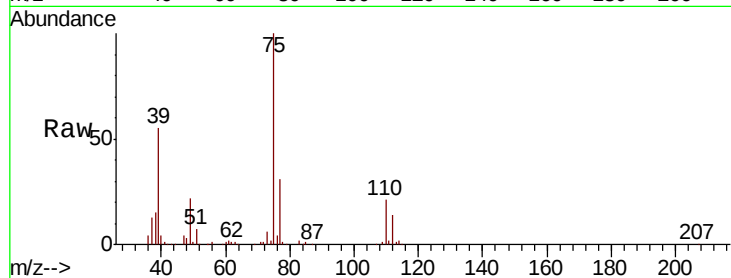
VW0827SBS02

Tgt Ion: 75 Resp: 78901

Ion Ratio Lower Upper

75 100

77 31.2 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 20.632 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012225.D

Acq: 27 Aug 2019 22:55

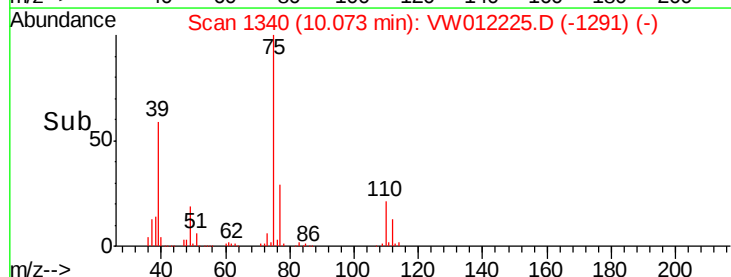
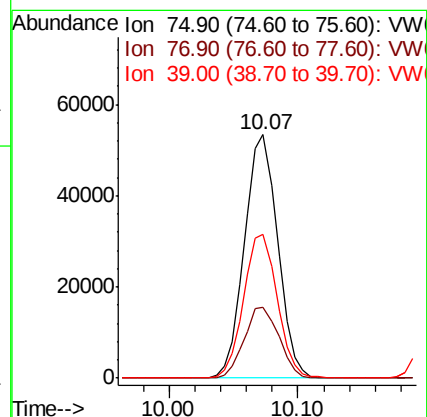
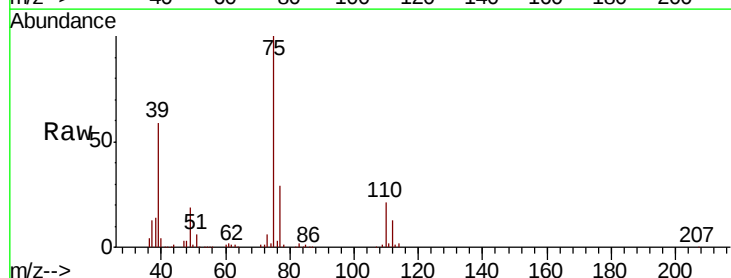
Tgt Ion: 75 Resp: 95267

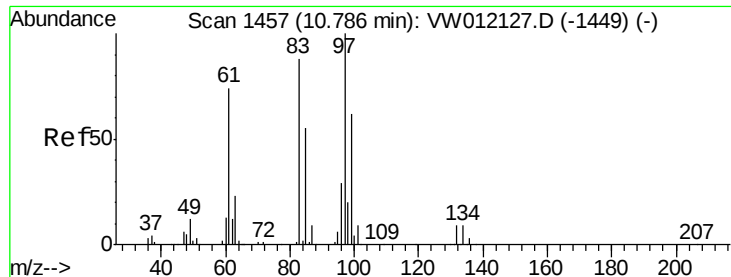
Ion Ratio Lower Upper

75 100

77 29.3 25.1 37.7

39 58.8 48.3 72.5

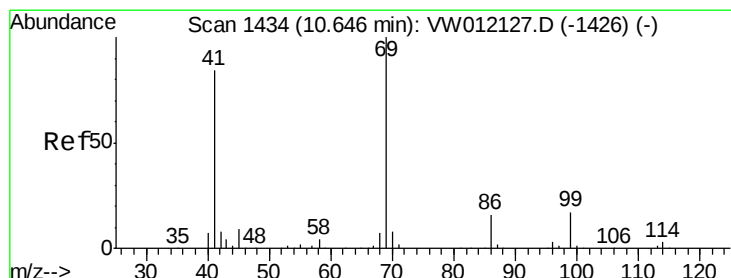
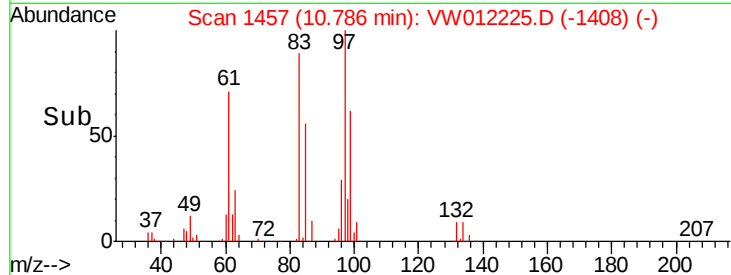
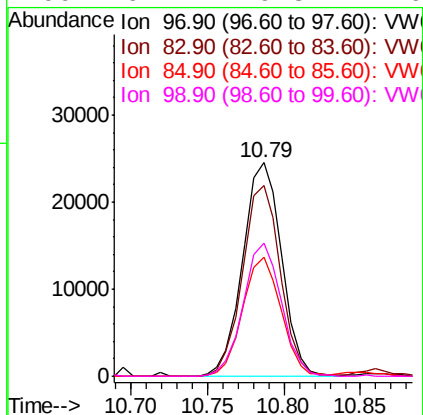
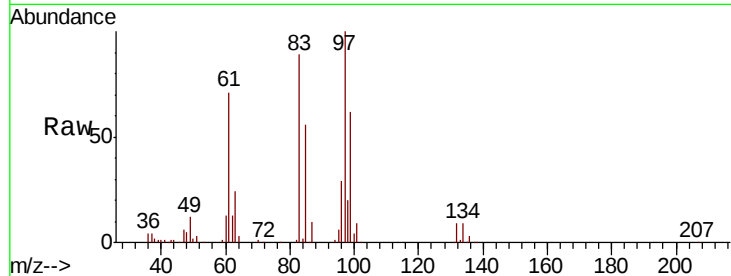




#55
 1,1,2-Trichloroethane
 Concen: 21.739 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012225.D
 Acq: 27 Aug 2019 22:55

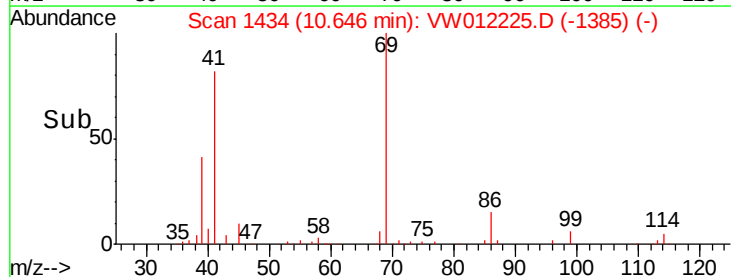
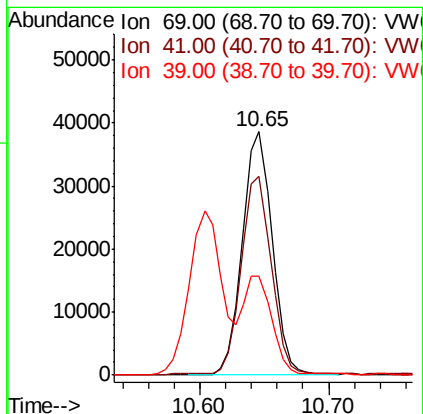
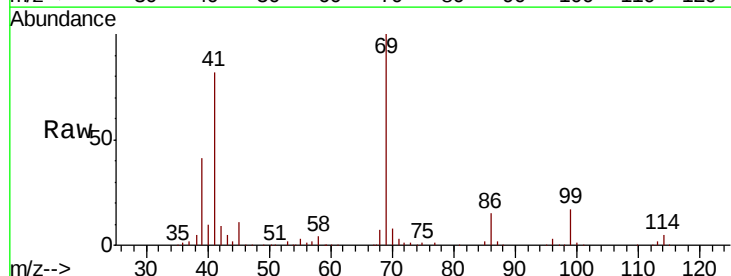
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0827SBS02

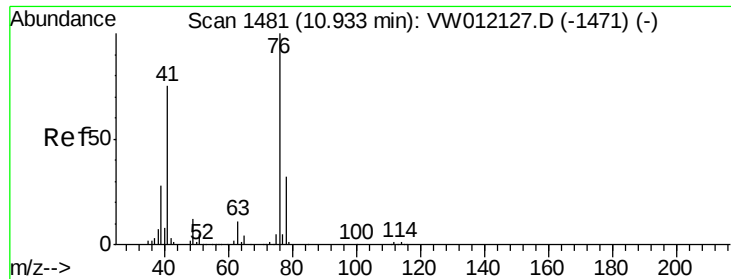
Tgt Ion:	97	Resp:	43387
Ion	Ratio	Lower	Upper
97	100		
83	89.2	70.8	106.2
85	56.0	43.8	65.8
99	62.4	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 21.390 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012225.D
 Acq: 27 Aug 2019 22:55

Tgt Ion:	69	Resp:	62130
Ion	Ratio	Lower	Upper
69	100		
41	81.4	66.5	99.7
39	37.6	31.0	46.4

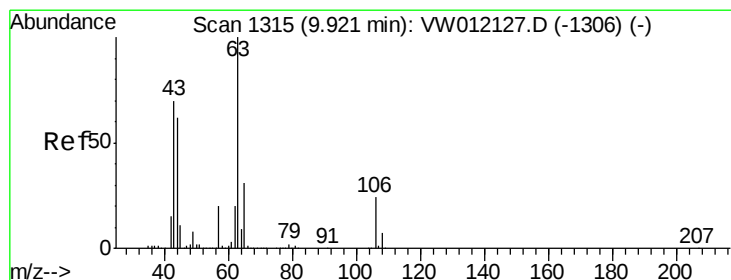
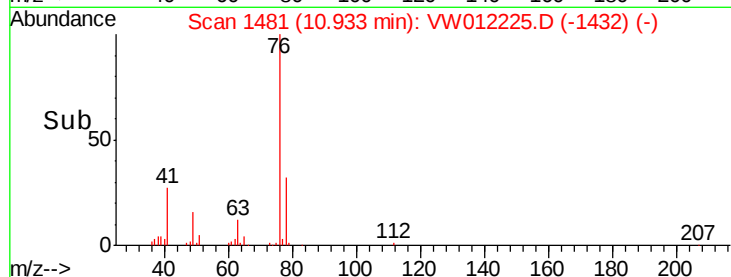
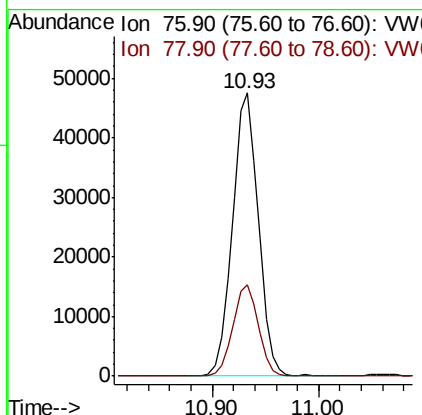
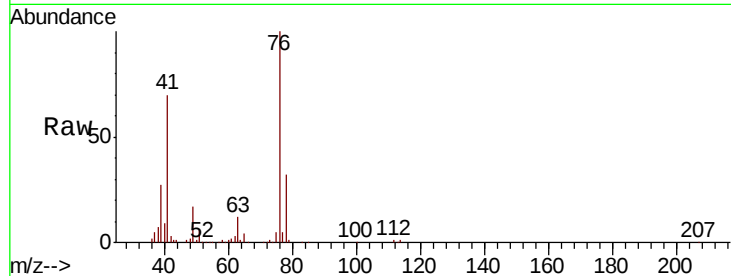




#57
 1,3-Dichloropropane
 Concen: 21.509 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012225.D
 Acq: 27 Aug 2019 22:55

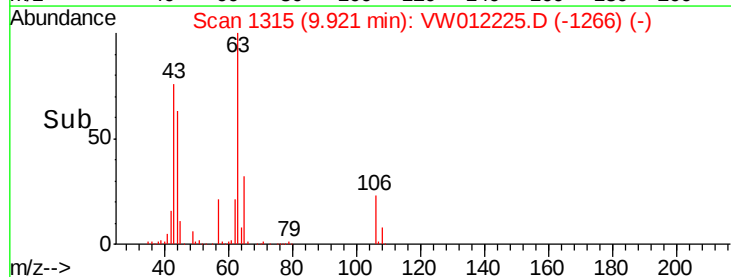
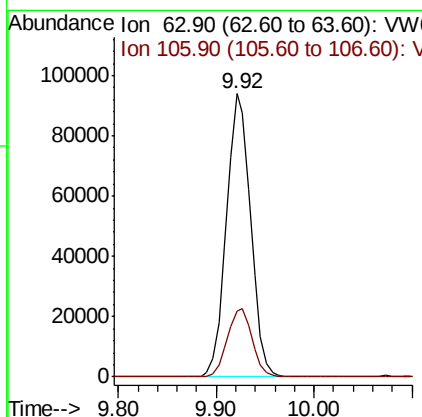
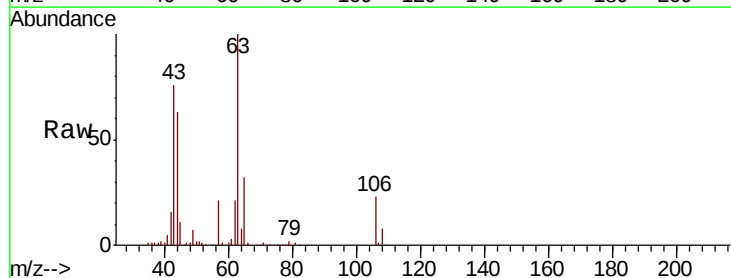
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0827SBS02

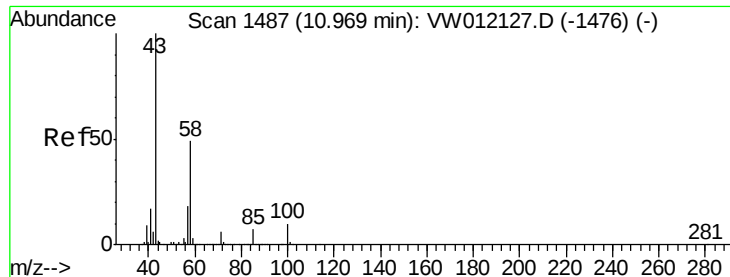
Tgt Ion: 76 Resp: 81123
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 107.922 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012225.D
 Acq: 27 Aug 2019 22:55

Tgt Ion: 63 Resp: 160884
 Ion Ratio Lower Upper
 63 100
 106 24.6 19.8 29.8

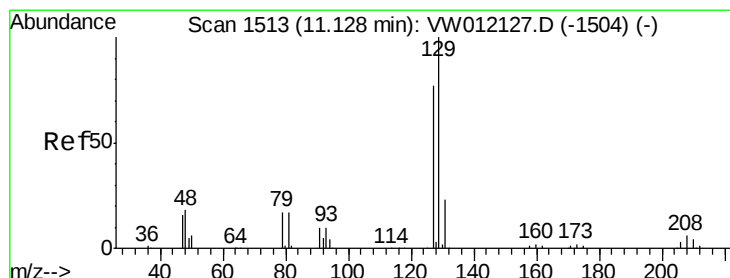
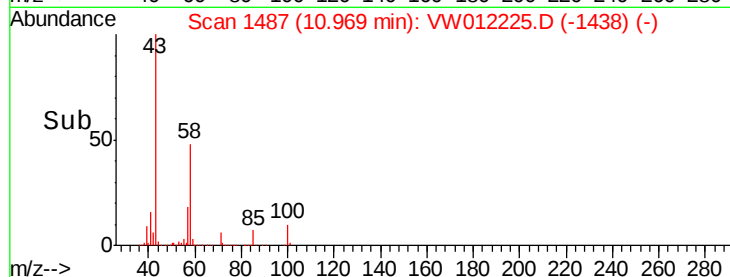
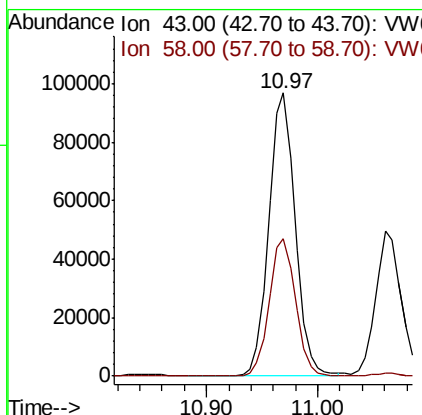
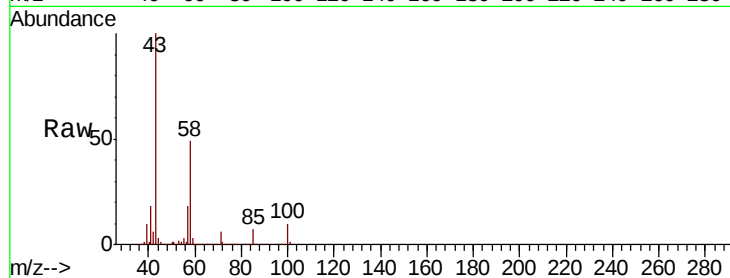




#59
2-Hexanone
Concen: 101.396 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012225.D
Acq: 27 Aug 2019 22:55

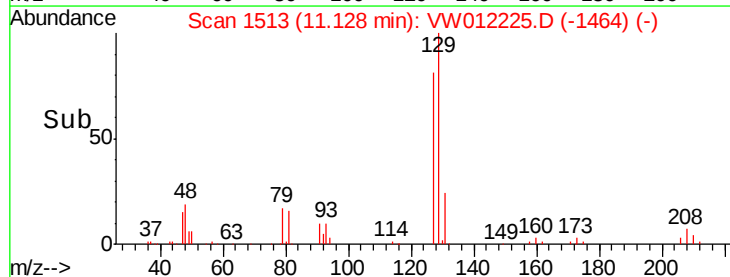
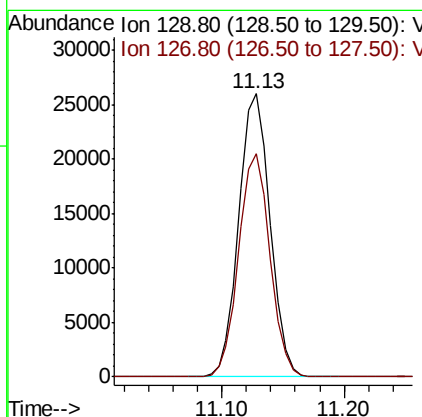
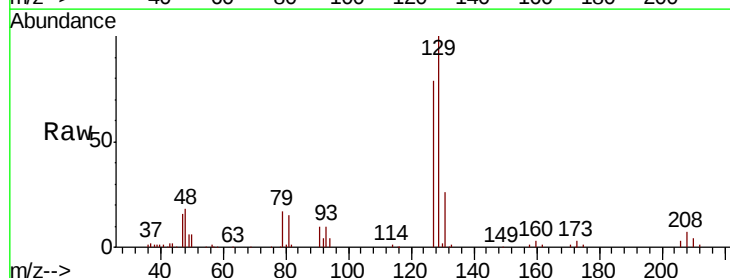
Instrument :
MSVOA_W
ClientSampleId :
VW0827SBS02

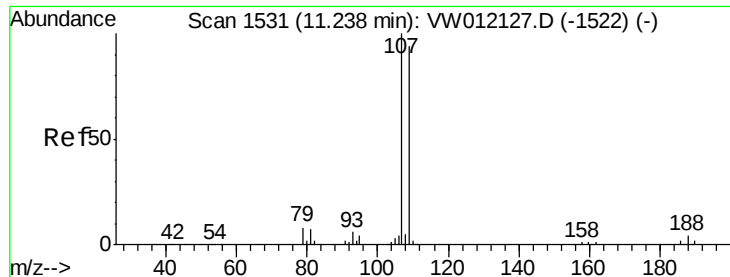
Tgt Ion: 43 Resp: 159795
Ion Ratio Lower Upper
43 100
58 48.7 24.3 72.9



#60
Dibromochloromethane
Concen: 20.821 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012225.D
Acq: 27 Aug 2019 22:55

Tgt Ion: 129 Resp: 46285
Ion Ratio Lower Upper
129 100
127 78.9 38.6 115.8

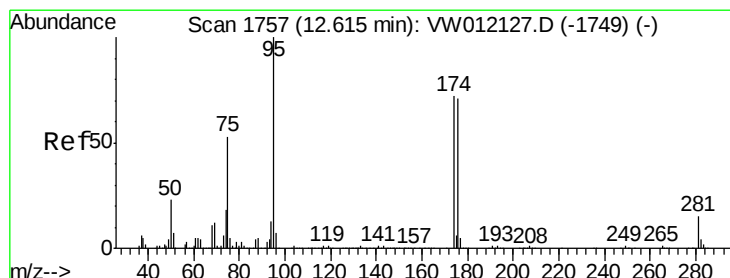
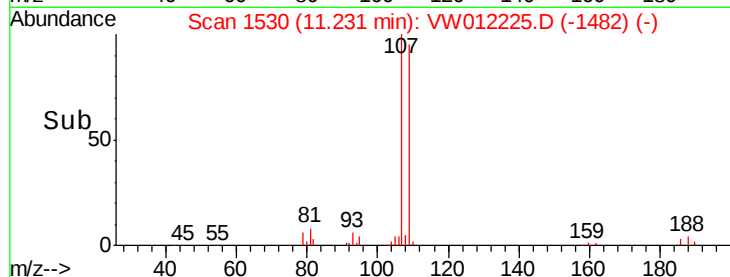
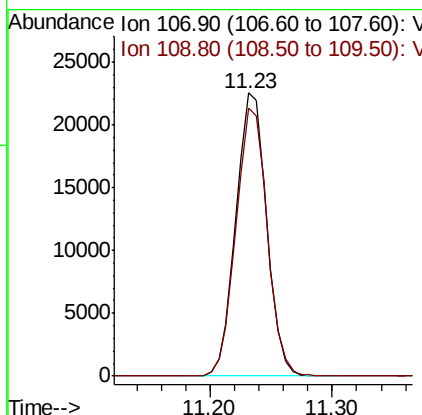
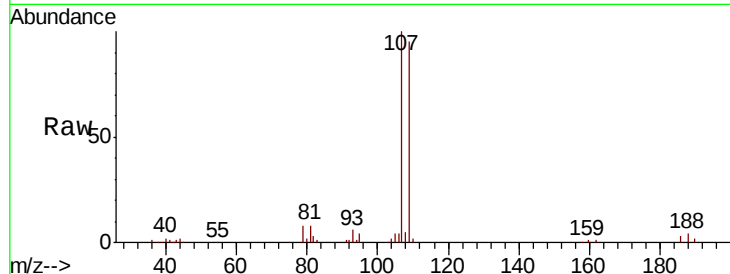




#61
 1,2-Dibromoethane
 Concen: 21.066 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW012225.D
 Acq: 27 Aug 2019 22:55

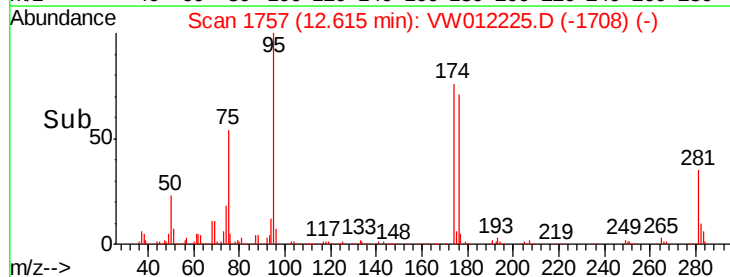
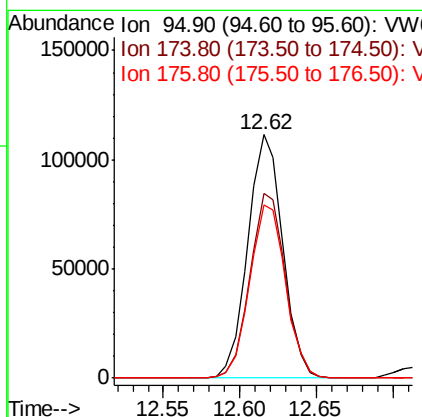
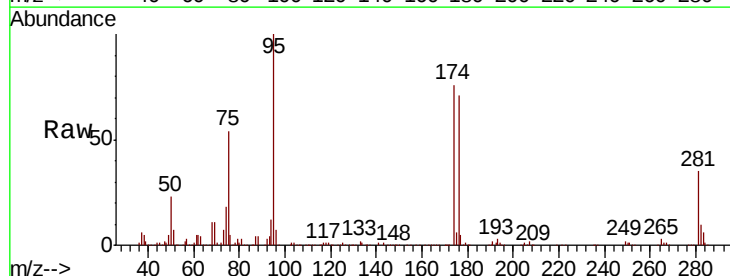
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0827SBS02

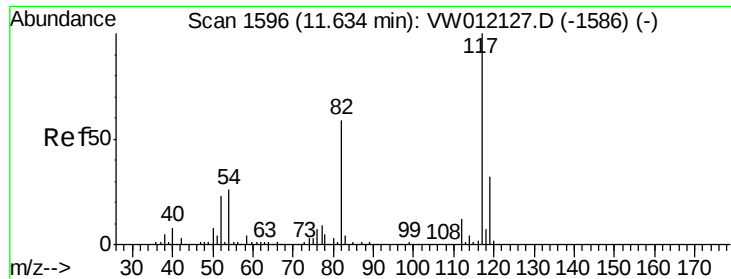
Tgt Ion: 107 Resp: 39169
 Ion Ratio Lower Upper
 107 100
 109 96.4 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 49.706 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012225.D
 Acq: 27 Aug 2019 22:55

Tgt Ion: 95 Resp: 177034
 Ion Ratio Lower Upper
 95 100
 174 76.6 0.0 150.8
 176 73.3 0.0 148.6

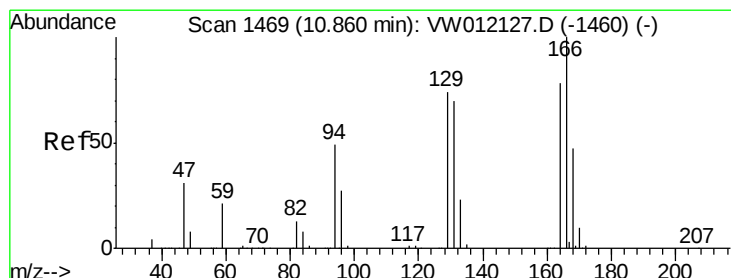
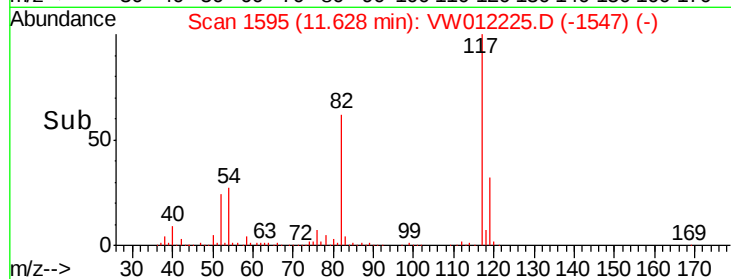
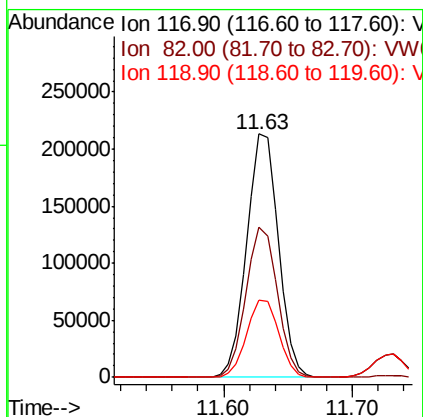
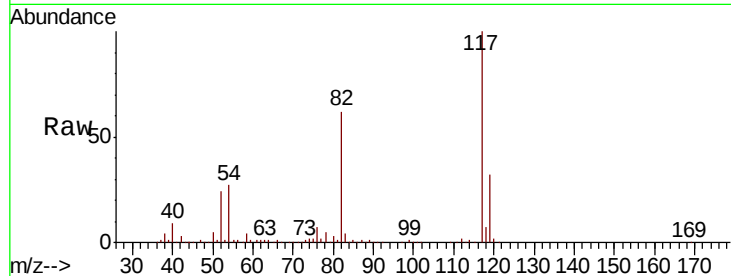




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012225.D
Acq: 27 Aug 2019 22:55

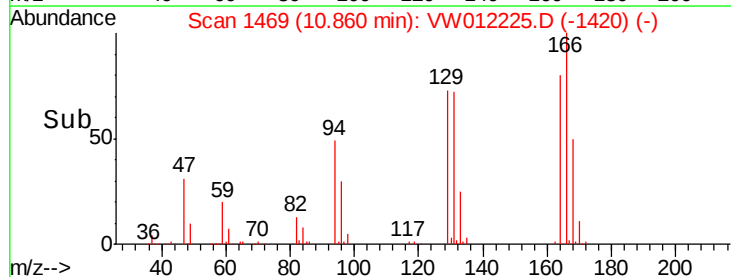
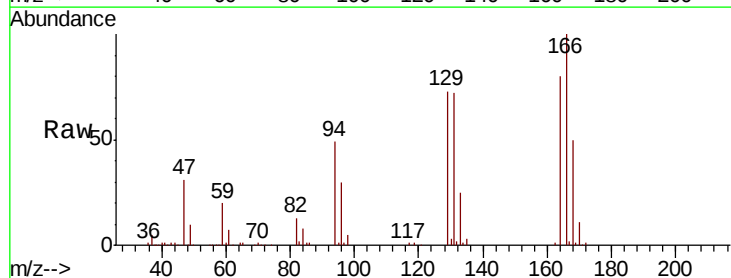
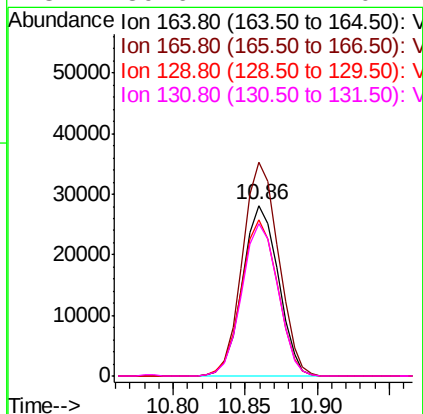
Instrument :
MSVOA_W
ClientSampleId :
VW0827SBS02

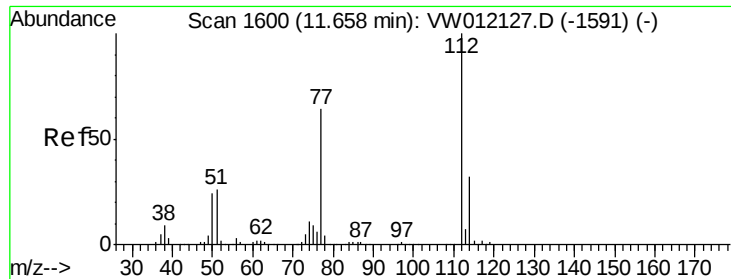
Tgt Ion:117 Resp: 361618
Ion Ratio Lower Upper
117 100
82 61.6 47.4 71.2
119 31.8 25.4 38.2



#64
Tetrachloroethene
Concen: 20.679 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012225.D
Acq: 27 Aug 2019 22:55

Tgt Ion:164 Resp: 48482
Ion Ratio Lower Upper
164 100
166 125.3 102.4 153.6
129 91.6 75.8 113.6
131 89.6 71.4 107.2

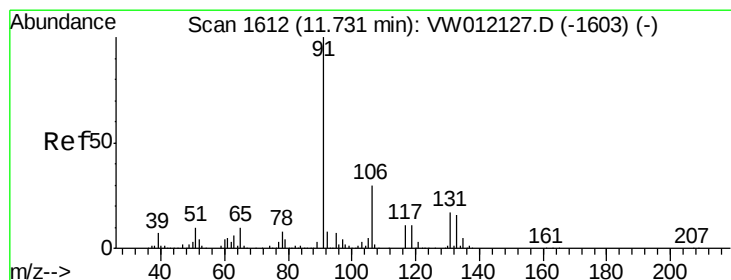
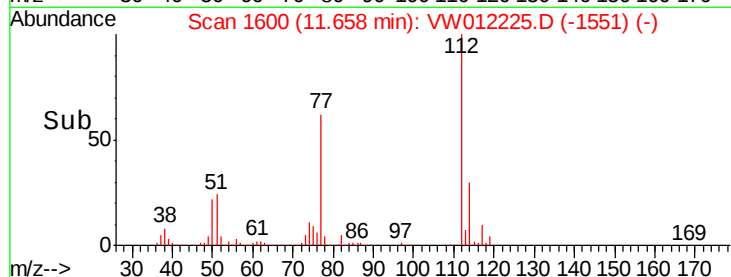
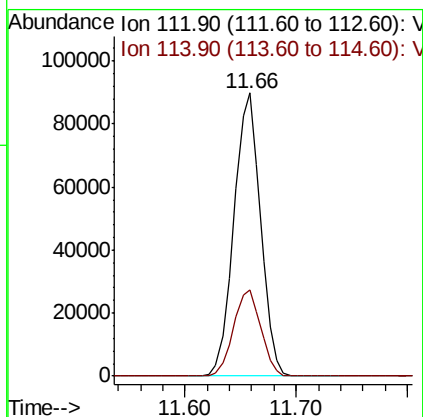
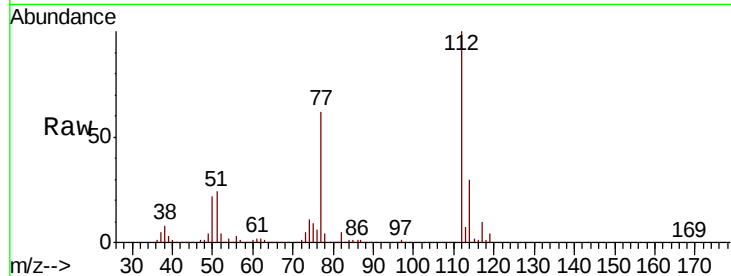




#65
Chlorobenzene
Concen: 20.876 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012225.D
Acq: 27 Aug 2019 22:55

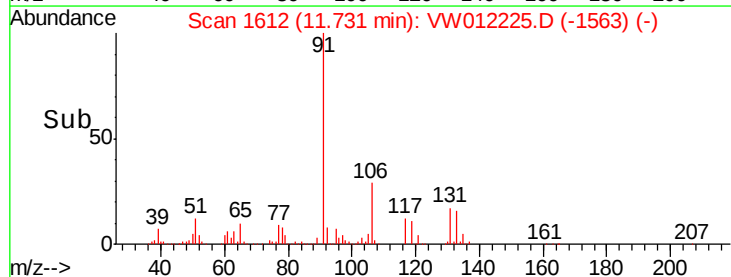
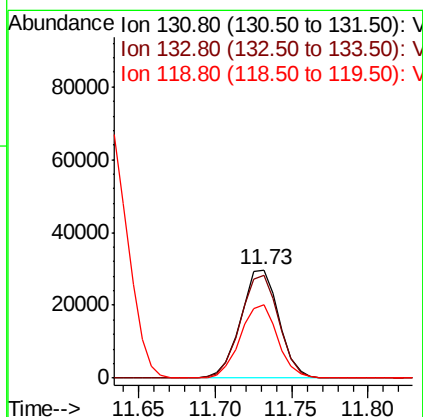
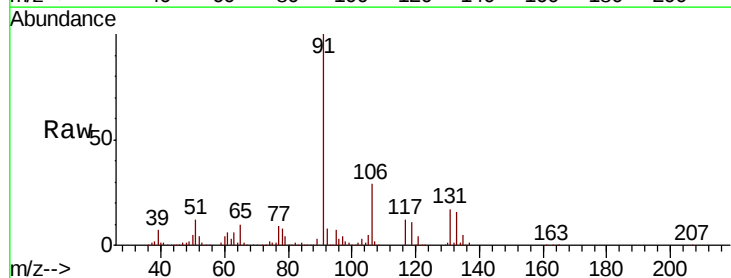
Instrument :
MSVOA_W
ClientSampleId :
VW0827SBS02

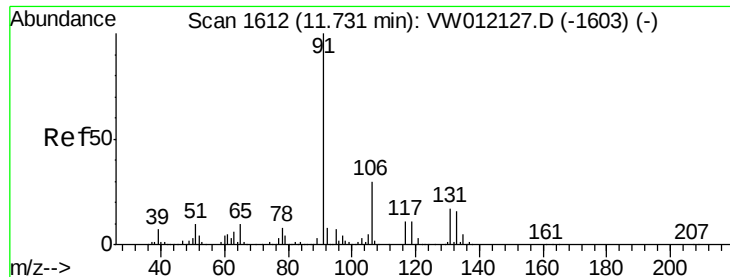
Tgt Ion:112 Resp: 148651
Ion Ratio Lower Upper
112 100
114 30.5 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.839 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012225.D
Acq: 27 Aug 2019 22:55

Tgt Ion:131 Resp: 51765
Ion Ratio Lower Upper
131 100
133 95.8 47.1 141.3
119 66.9 31.8 95.3

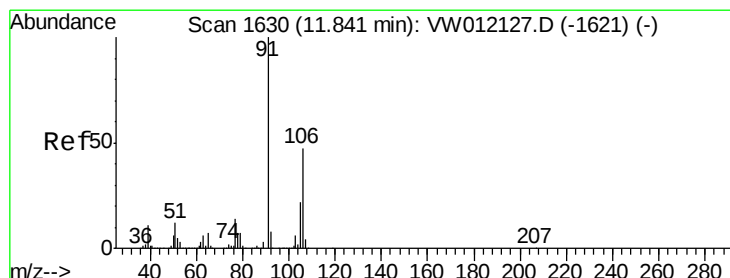
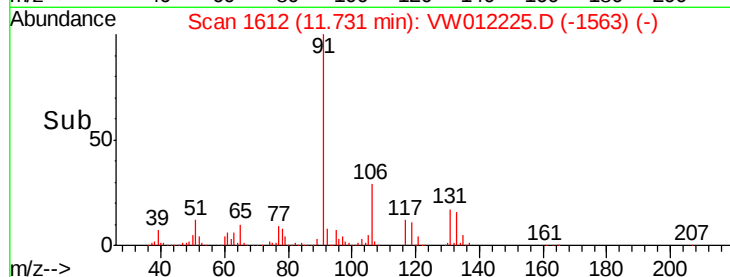
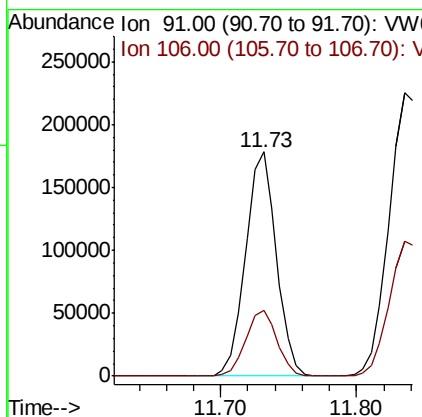
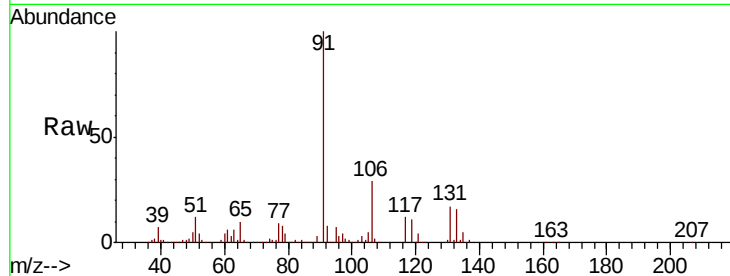




#67
Ethyl Benzene
Concen: 20.566 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012225.D
Acq: 27 Aug 2019 22:55

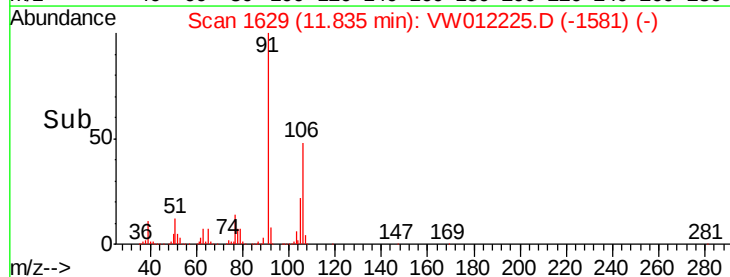
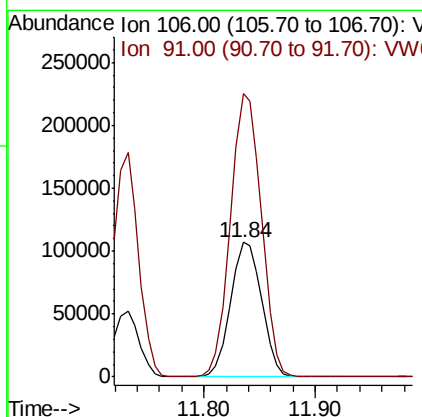
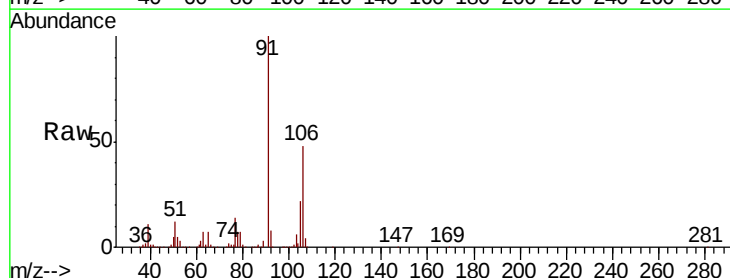
Instrument :
MSVOA_W
ClientSampleId :
VW0827SBS02

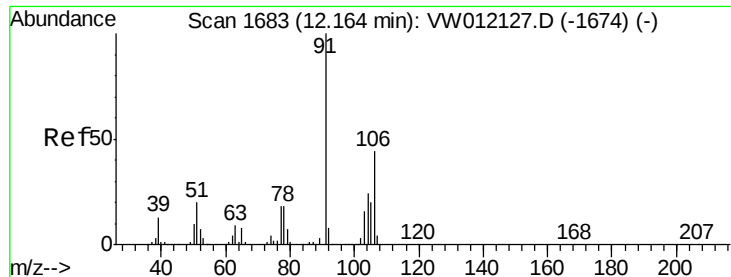
Tgt Ion: 91 Resp: 282095
Ion Ratio Lower Upper
91 100
106 29.3 24.3 36.5



#68
m/p-Xylenes
Concen: 41.712 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW012225.D
Acq: 27 Aug 2019 22:55

Tgt Ion: 106 Resp: 206091
Ion Ratio Lower Upper
106 100
91 209.7 169.5 254.3

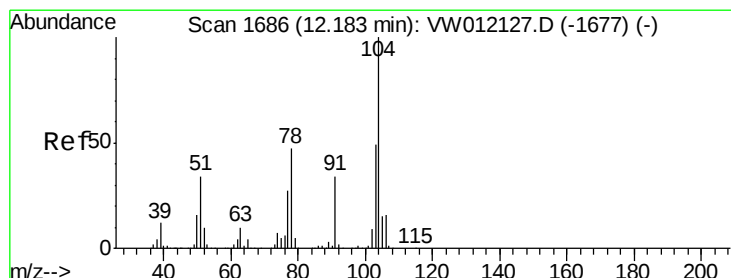
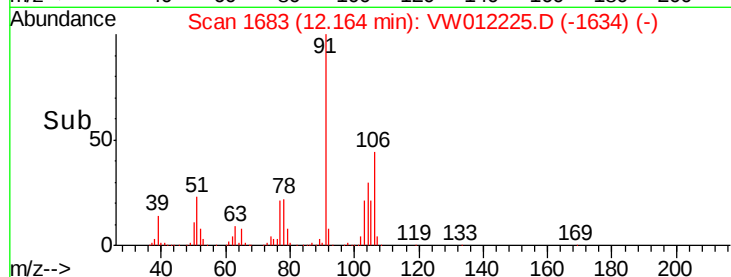
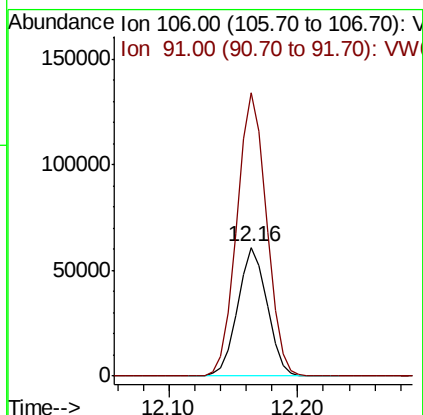
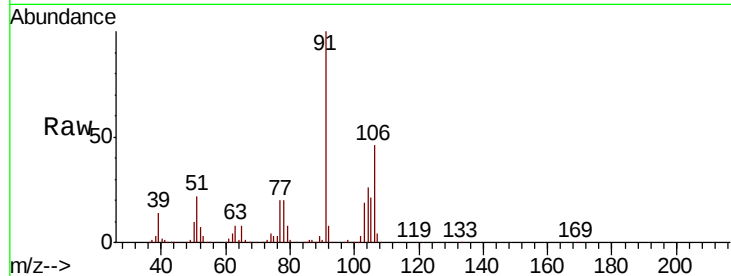




#69
o-Xylene
Concen: 20.961 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012225.D
Acq: 27 Aug 2019 22:55

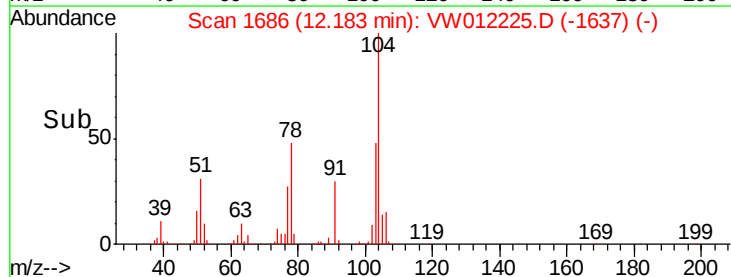
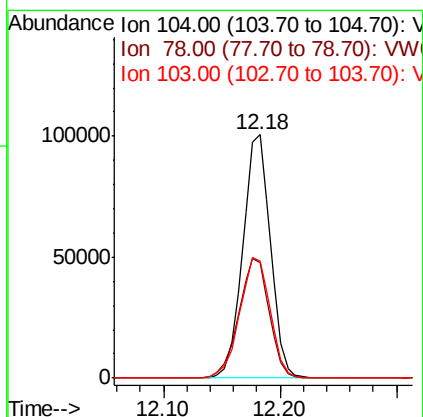
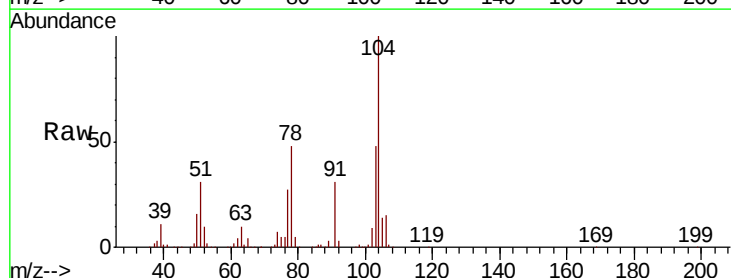
Instrument :
MSVOA_W
ClientSampleId :
VW0827SBS02

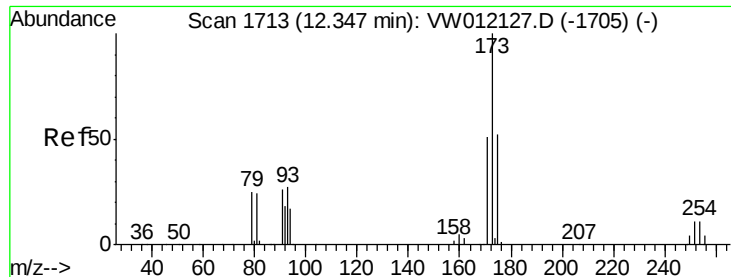
Tgt Ion:106 Resp: 95853
Ion Ratio Lower Upper
106 100
91 222.9 111.6 334.6



#70
Styrene
Concen: 21.074 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012225.D
Acq: 27 Aug 2019 22:55

Tgt Ion:104 Resp: 166809
Ion Ratio Lower Upper
104 100
78 54.0 43.1 64.7
103 54.7 43.5 65.3

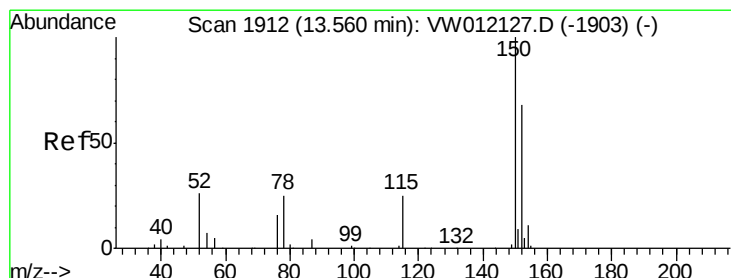
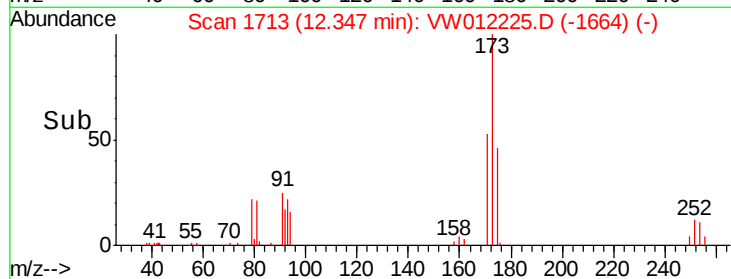
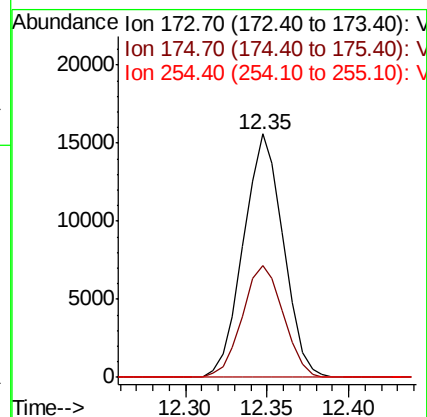
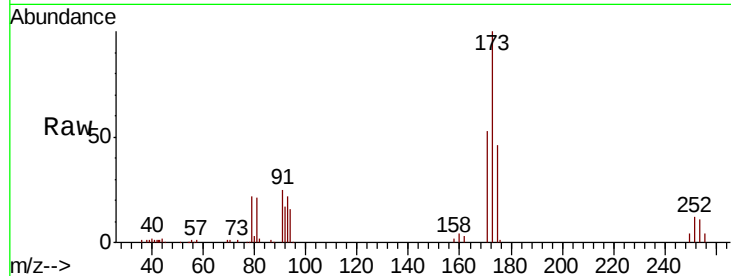




#71
Bromoform
Concen: 21.436 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW012225.D
Acq: 27 Aug 2019 22:55

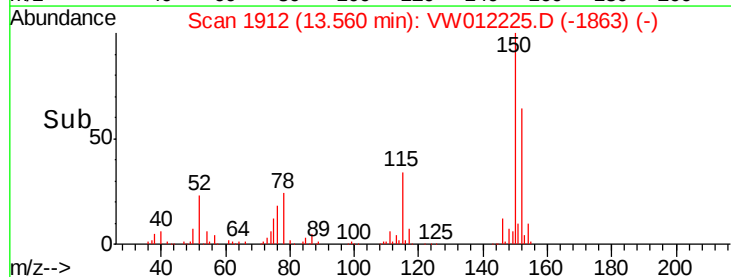
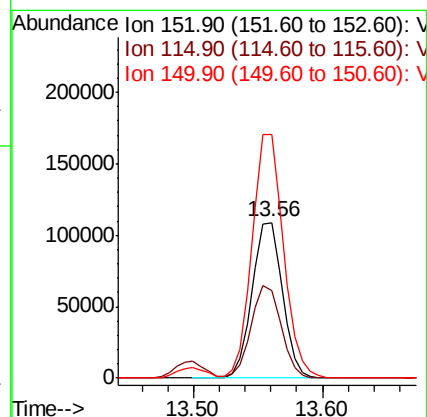
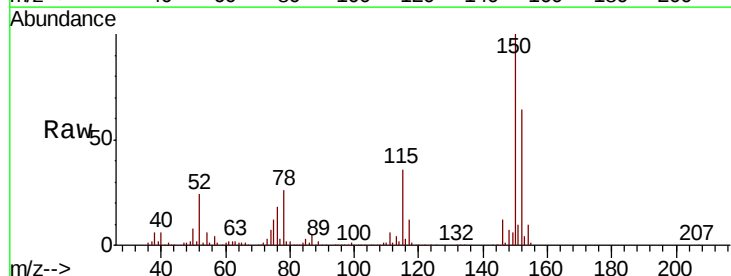
Instrument :
MSVOA_W
ClientSampleId :
VW0827SBS02

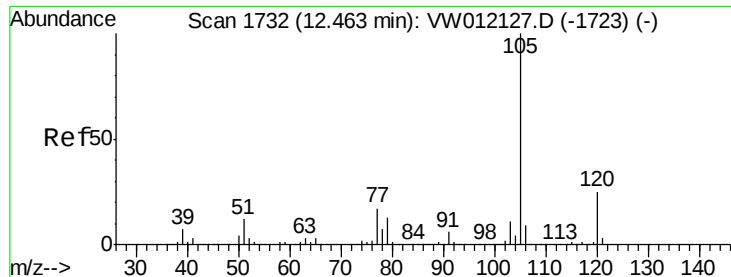
Tgt Ion:173 Resp: 26530
Ion Ratio Lower Upper
173 100
175 47.1 24.6 74.0
254 0.0 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012225.D
Acq: 27 Aug 2019 22:55

Tgt Ion:152 Resp: 176124
Ion Ratio Lower Upper
152 100
115 59.1 30.1 90.3
150 162.2 0.0 345.8





#73

Isopropylbenzene

Concen: 20.386 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012225.D

Acq: 27 Aug 2019 22:55

Instrument :

MSVOA_W

ClientSampleId :

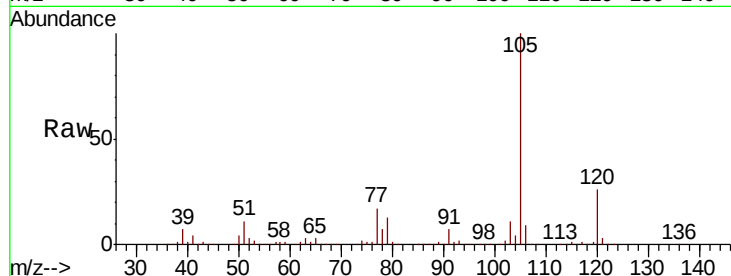
VW0827SBS02

Tgt Ion: 105 Resp: 269035

Ion Ratio Lower Upper

105 100

120 25.9 12.5 37.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

100000

50000

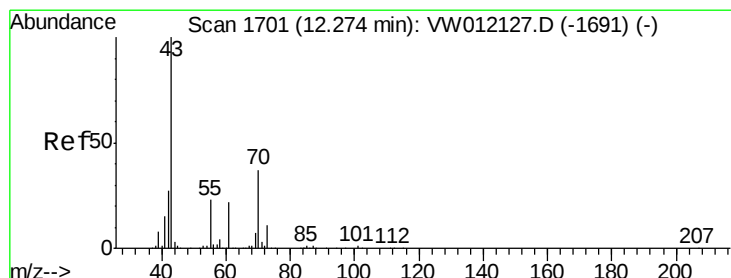
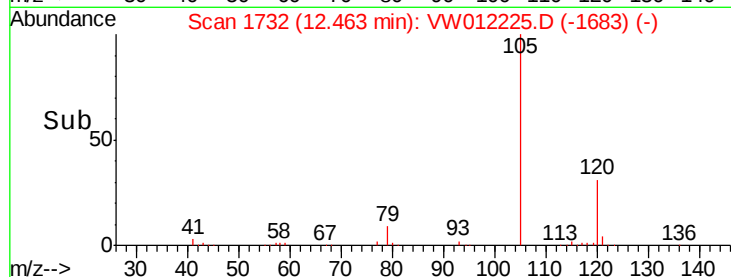
0

12.46

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 20.766 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012225.D

Acq: 27 Aug 2019 22:55

Tgt Ion: 43 Resp: 82798

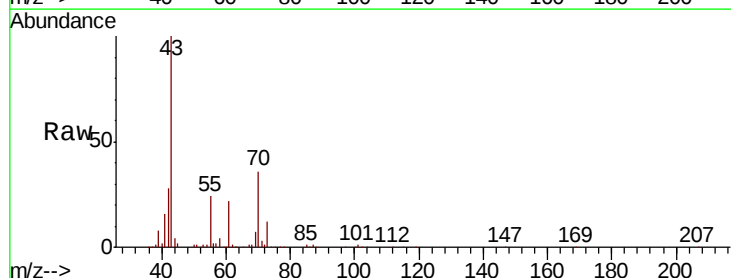
Ion Ratio Lower Upper

43 100

70 35.7 28.6 43.0

55 23.6 17.8 26.6

61 21.8 17.3 25.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

80000

60000

40000

20000

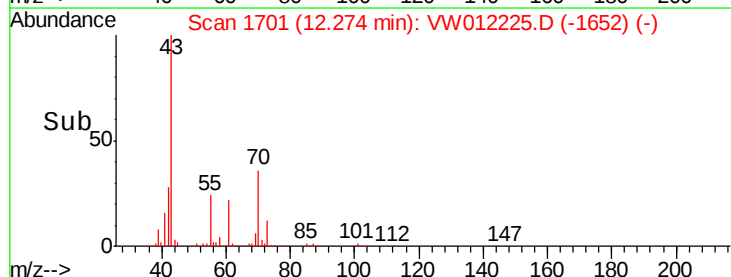
0

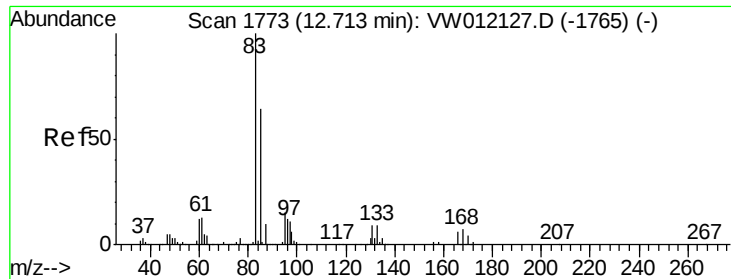
12.27

12.20

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.932 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012225.D

Acq: 27 Aug 2019 22:55

Instrument :

MSVOA_W

ClientSampleId :

VW0827SBS02

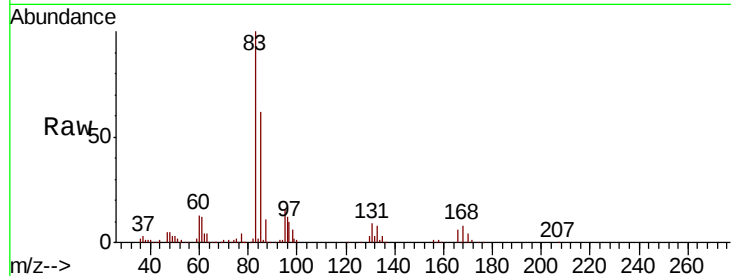
Tgt Ion: 83 Resp: 50644

Ion Ratio Lower Upper

83 100

131 9.8 4.9 14.7

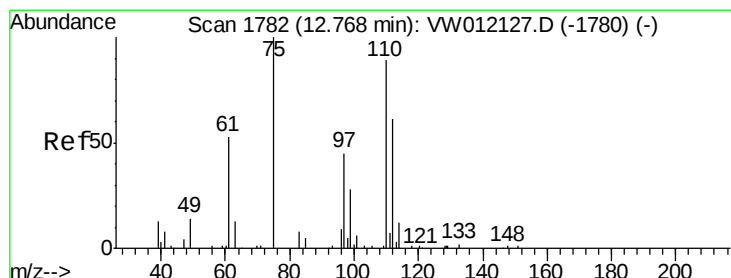
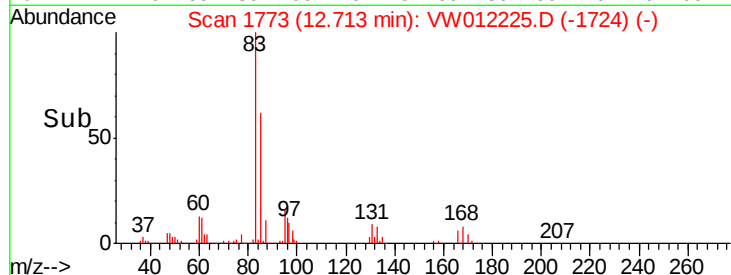
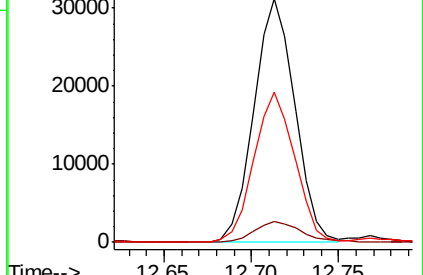
85 61.5 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 38.995 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW012225.D

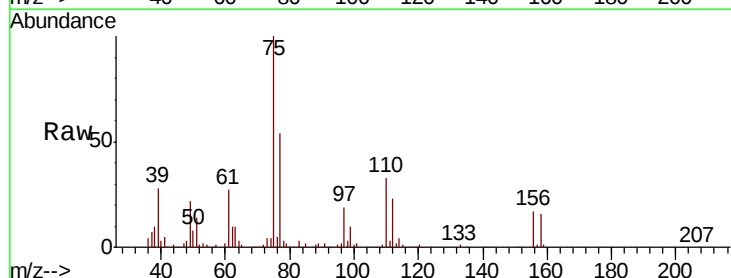
Acq: 27 Aug 2019 22:55

Tgt Ion: 75 Resp: 66889

Ion Ratio Lower Upper

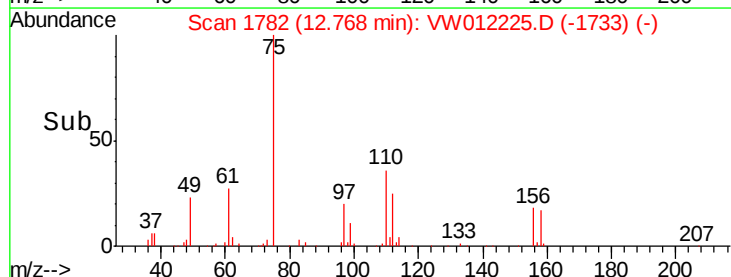
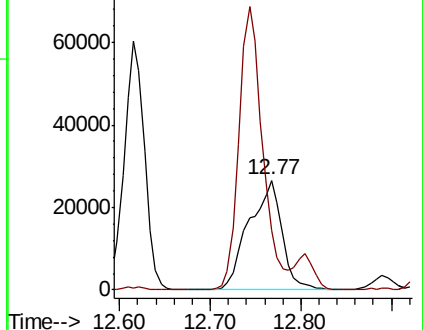
75 100

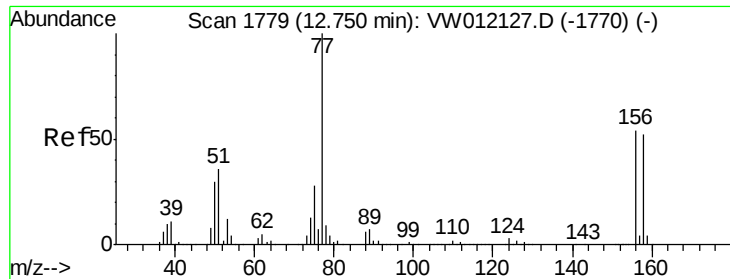
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.625 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012225.D

Acq: 27 Aug 2019 22:55

Instrument :

MSVOA_W

ClientSampleId :

VW0827SBS02

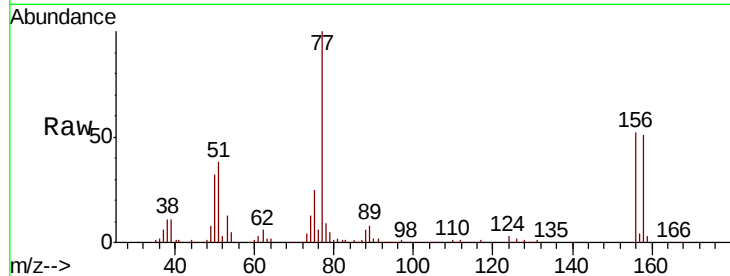
Tgt Ion:156 Resp: 58885

Ion Ratio Lower Upper

156 100

77 212.8 107.3 321.8

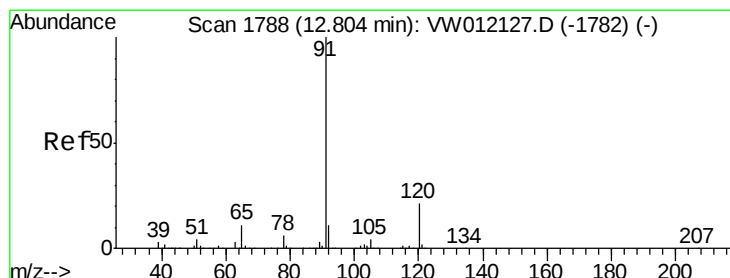
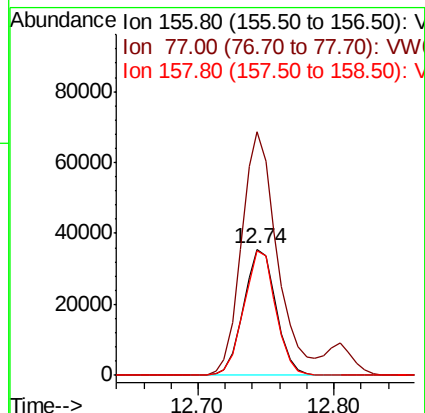
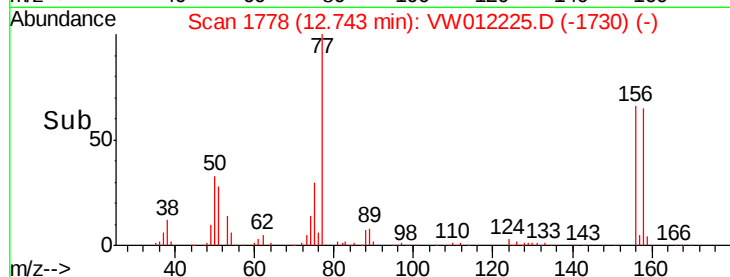
158 97.2 49.0 147.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.152 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012225.D

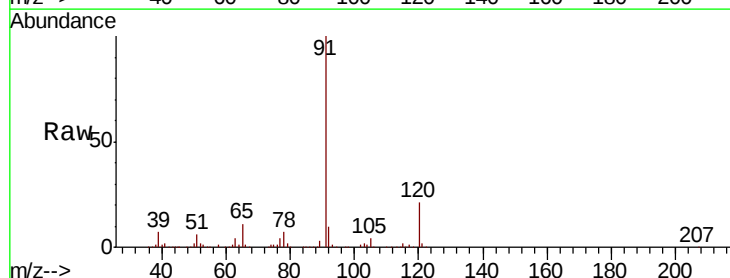
Acq: 27 Aug 2019 22:55

Tgt Ion: 91 Resp: 324673

Ion Ratio Lower Upper

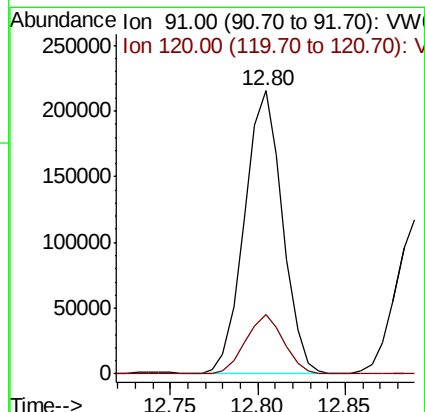
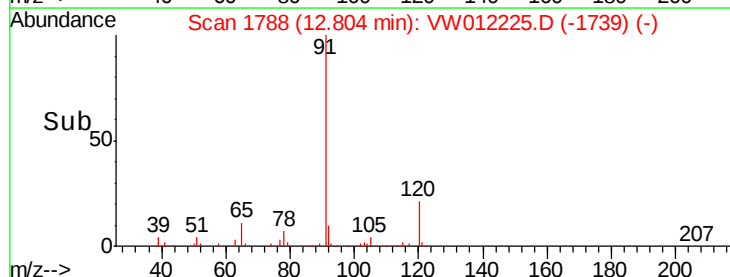
91 100

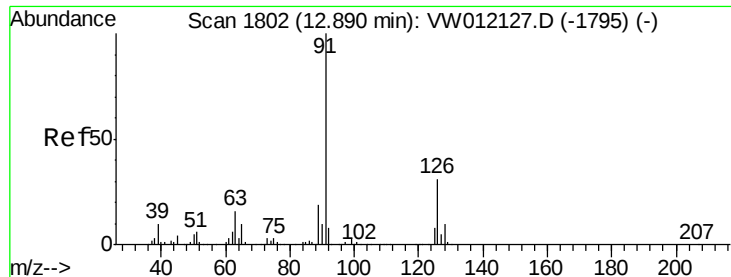
120 21.0 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.585 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012225.D

Acq: 27 Aug 2019 22:55

Instrument :

MSVOA_W

ClientSampleId :

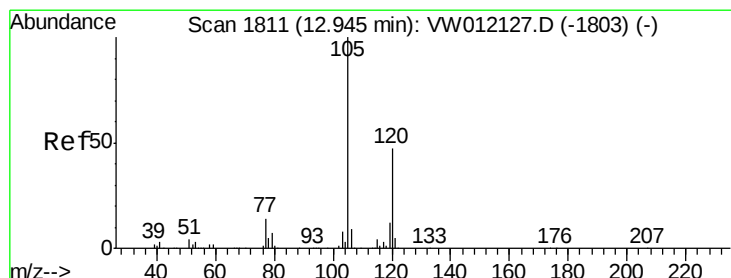
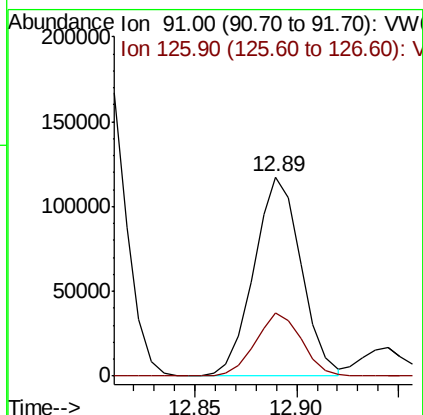
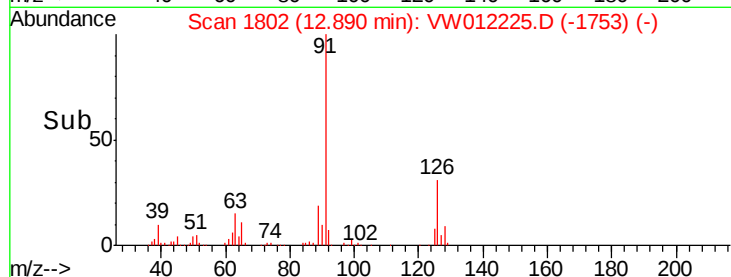
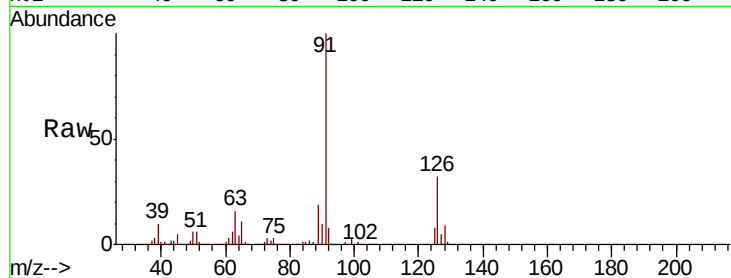
VW0827SBS02

Tgt Ion: 91 Resp: 188295

Ion Ratio Lower Upper

91 100

126 31.0 15.7 47.0



#80

1,3,5-Trimethylbenzene

Concen: 20.630 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012225.D

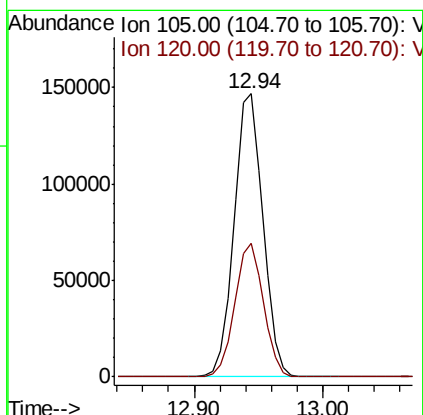
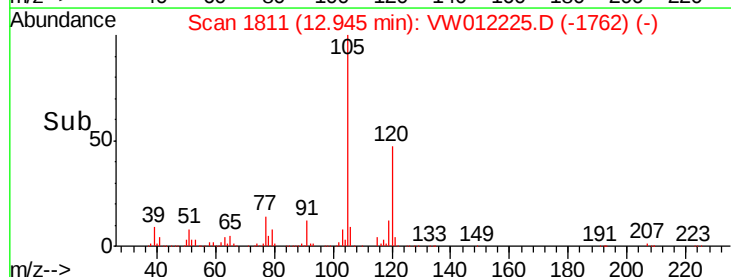
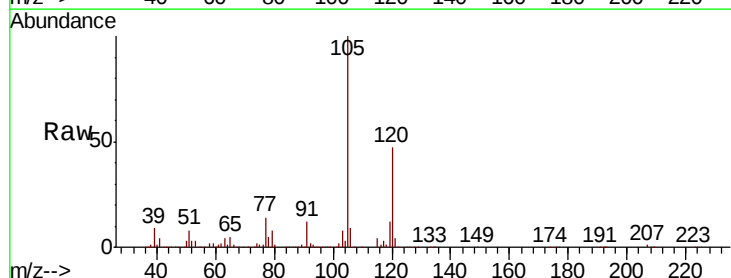
Acq: 27 Aug 2019 22:55

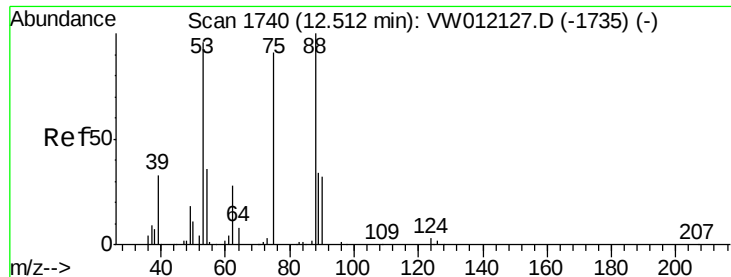
Tgt Ion: 105 Resp: 227496

Ion Ratio Lower Upper

105 100

120 47.0 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.394 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012225.D

Acq: 27 Aug 2019 22:55

Instrument :

MSVOA_W

ClientSampleId :

VW0827SBS02

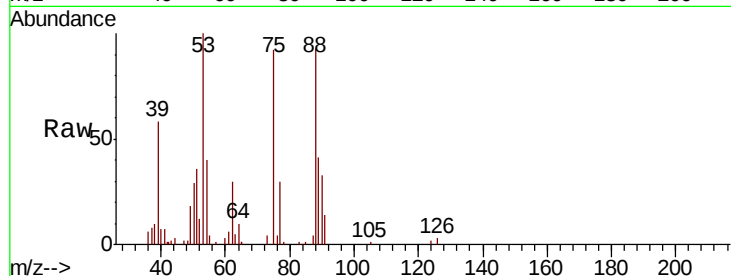
Tgt Ion: 75 Resp: 15955

Ion Ratio Lower Upper

75 100

53 109.6 89.4 134.0

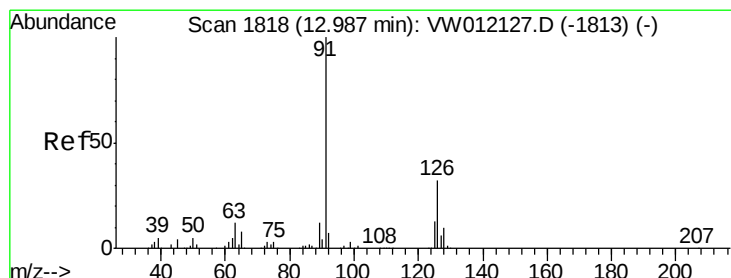
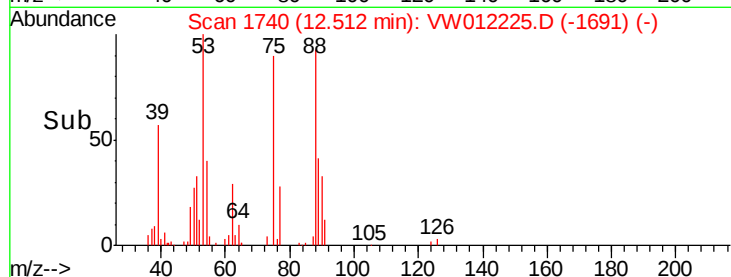
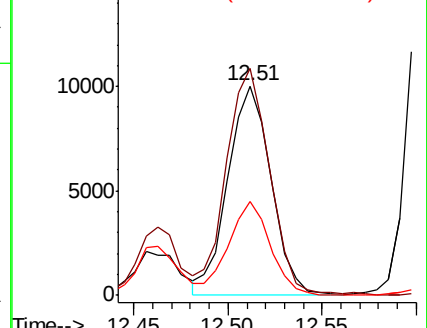
89 42.4 34.5 51.7



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 20.429 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW012225.D

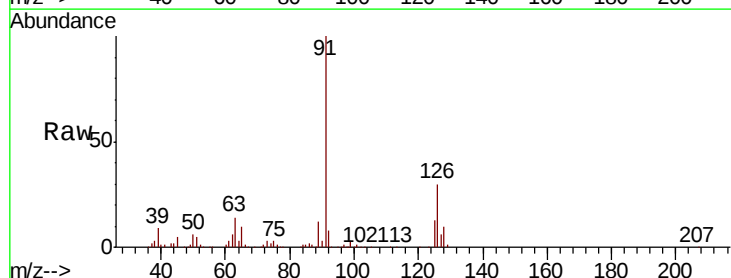
Acq: 27 Aug 2019 22:55

Tgt Ion: 91 Resp: 195656

Ion Ratio Lower Upper

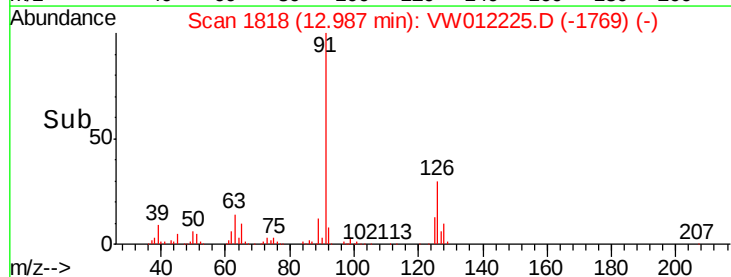
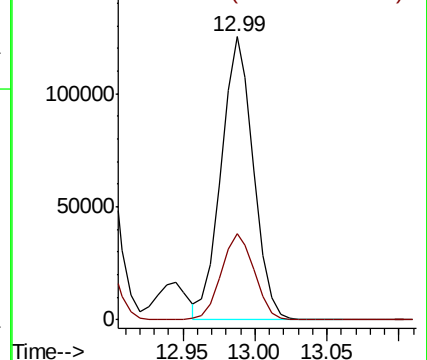
91 100

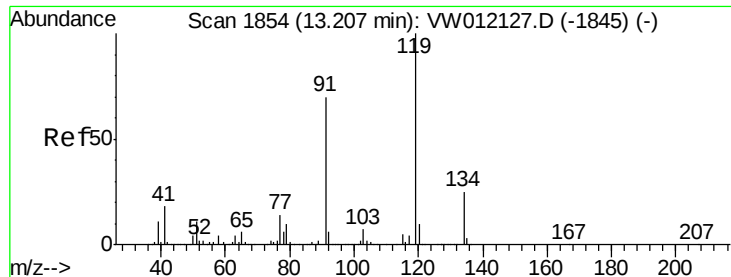
126 31.1 15.6 46.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

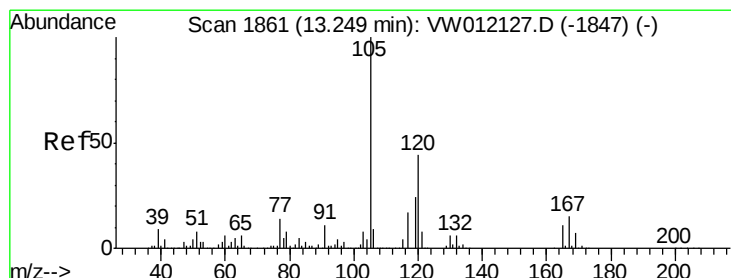
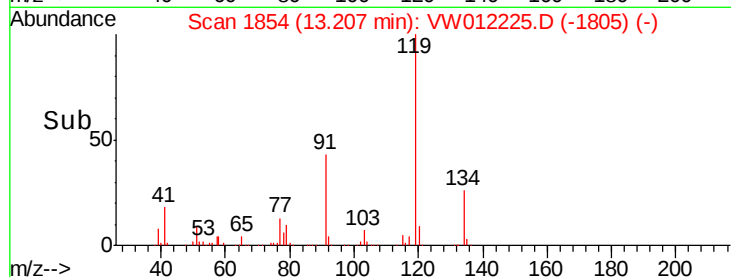
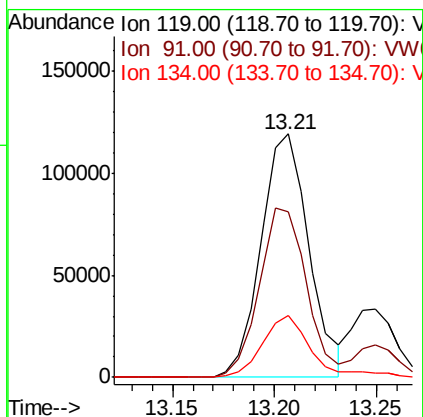
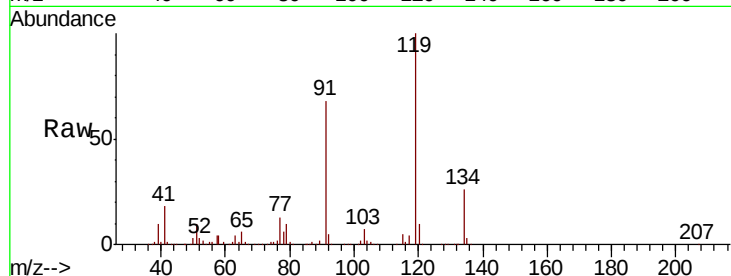




#83
 tert-Butylbenzene
 Concen: 20.937 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012225.D
 Acq: 27 Aug 2019 22:55

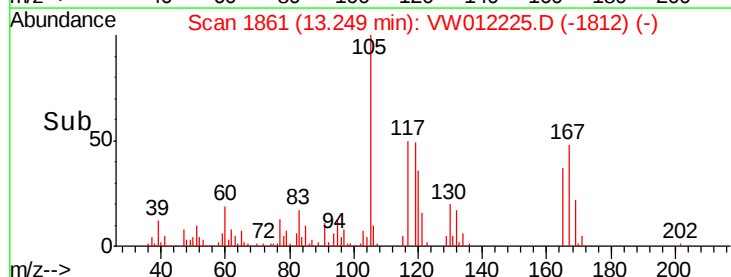
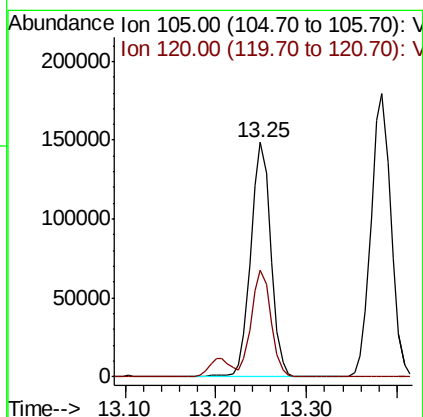
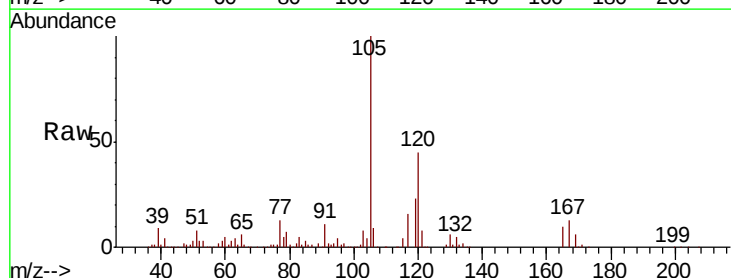
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0827SBS02

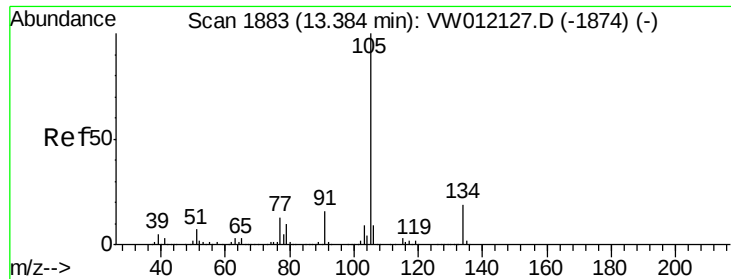
Tgt Ion:119 Resp: 195578
 Ion Ratio Lower Upper
 119 100
 91 68.4 34.8 104.3
 134 26.0 13.3 39.8



#84
 1,2,4-Trimethylbenzene
 Concen: 20.643 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012225.D
 Acq: 27 Aug 2019 22:55

Tgt Ion:105 Resp: 228676
 Ion Ratio Lower Upper
 105 100
 120 44.2 21.9 65.7

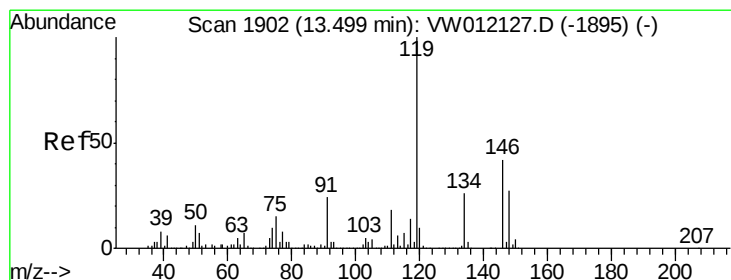
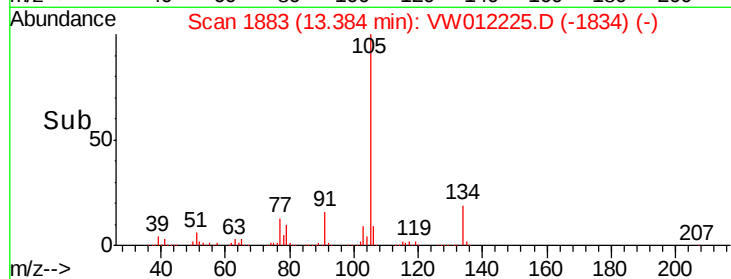
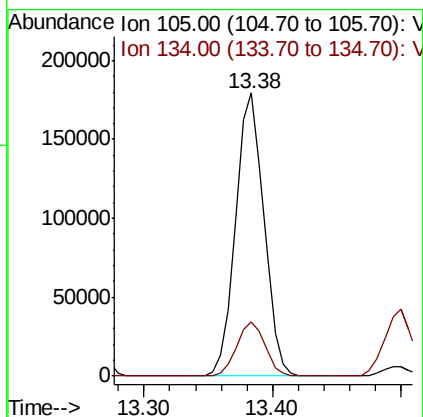
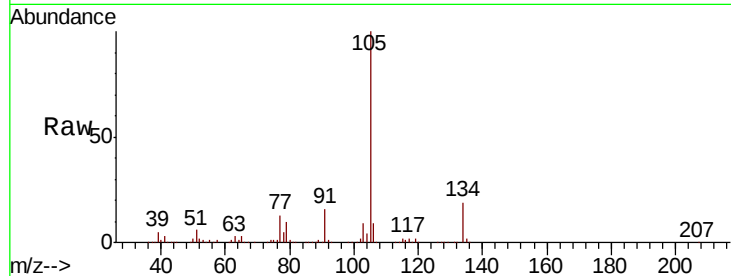




#85
 sec-Butylbenzene
 Concen: 20.462 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012225.D
 Acq: 27 Aug 2019 22:55

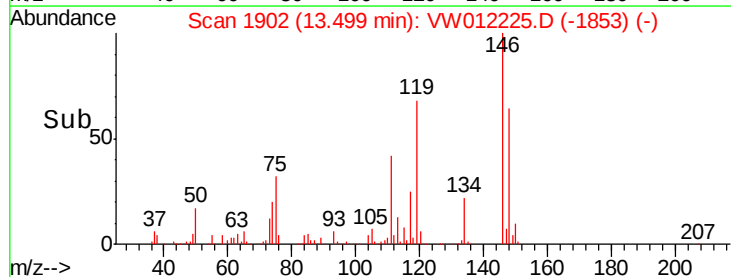
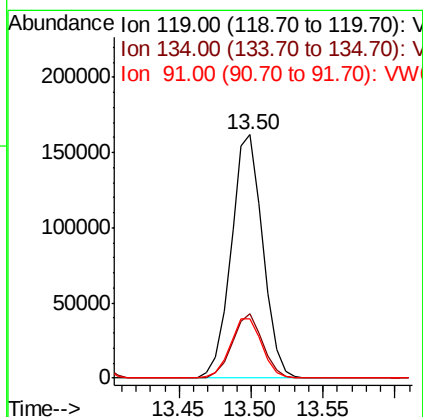
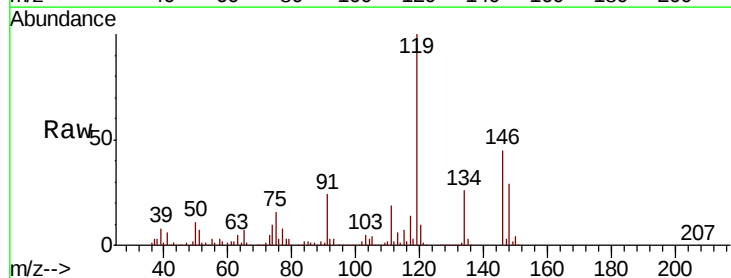
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0827SBS02

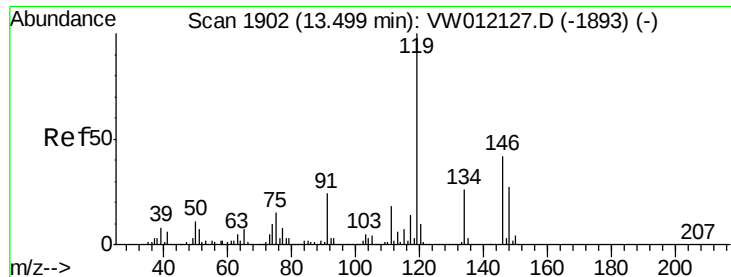
Tgt Ion:105 Resp: 273846
 Ion Ratio Lower Upper
 105 100
 134 19.2 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 20.581 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012225.D
 Acq: 27 Aug 2019 22:55

Tgt Ion:119 Resp: 245976
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.8 38.3
 91 24.9 12.3 36.9

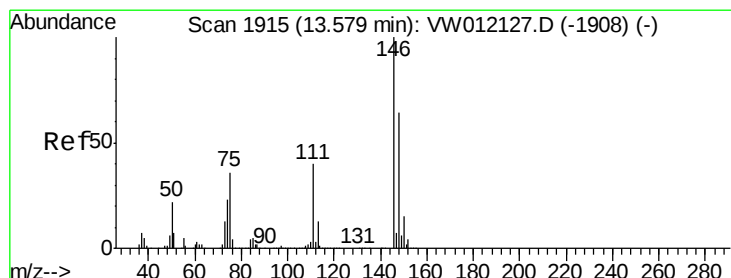
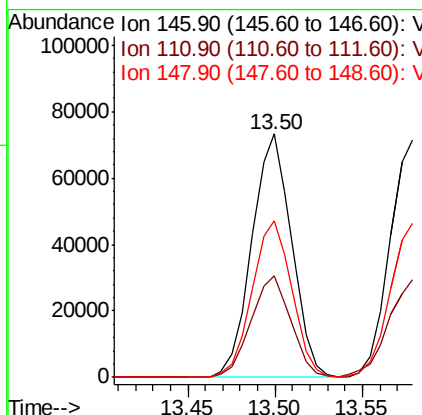
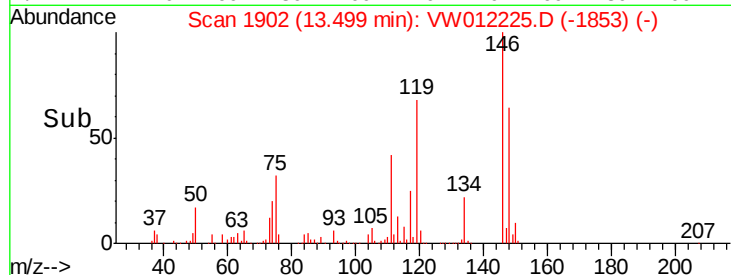
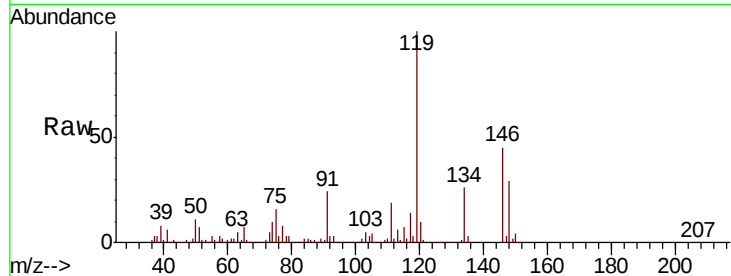




#87
 1,3-Dichlorobenzene
 Concen: 20.740 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012225.D
 Acq: 27 Aug 2019 22:55

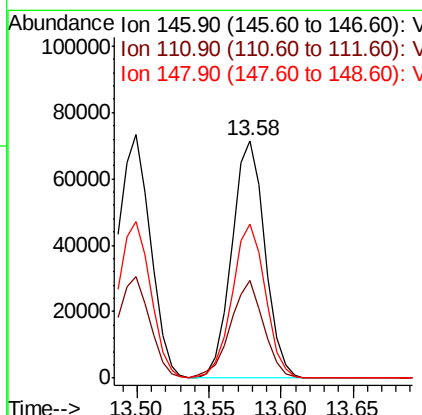
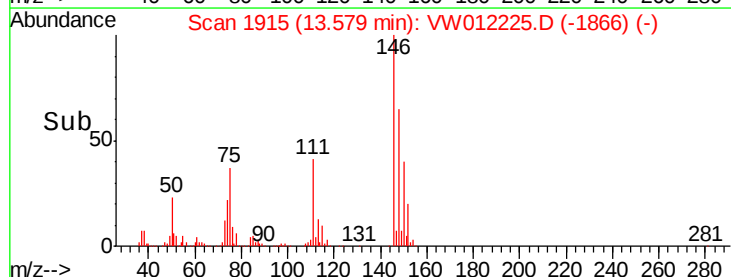
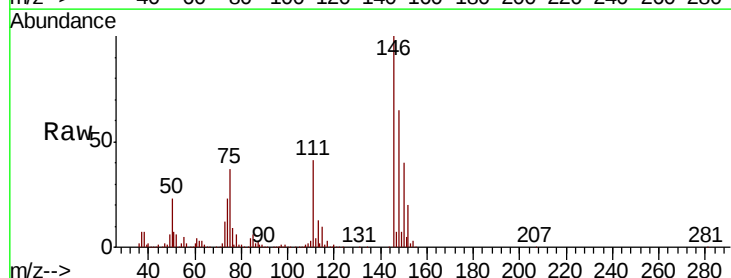
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0827SBS02

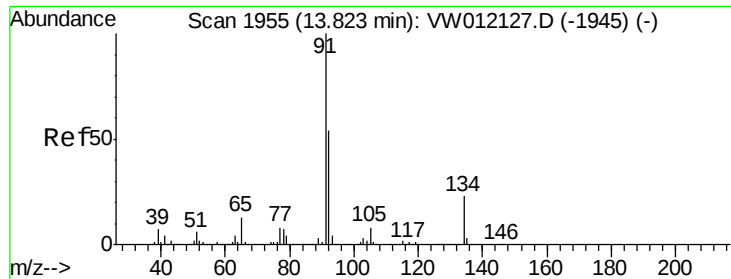
Tgt Ion:146 Resp: 115822
 Ion Ratio Lower Upper
 146 100
 111 41.8 20.9 62.7
 148 64.2 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 20.664 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012225.D
 Acq: 27 Aug 2019 22:55

Tgt Ion:146 Resp: 114581
 Ion Ratio Lower Upper
 146 100
 111 41.2 20.0 60.0
 148 65.4 32.1 96.3





#89

n-Butylbenzene

Concen: 20.055 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012225.D

Acq: 27 Aug 2019 22:55

Instrument :

MSVOA_W

ClientSampleId :

VW0827SBS02

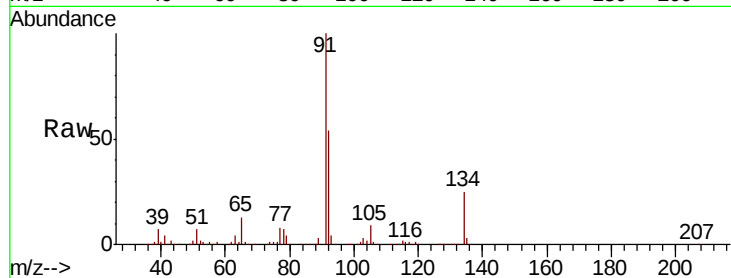
Tgt Ion: 91 Resp: 238358

Ion Ratio Lower Upper

91 100

92 53.8 27.1 81.2

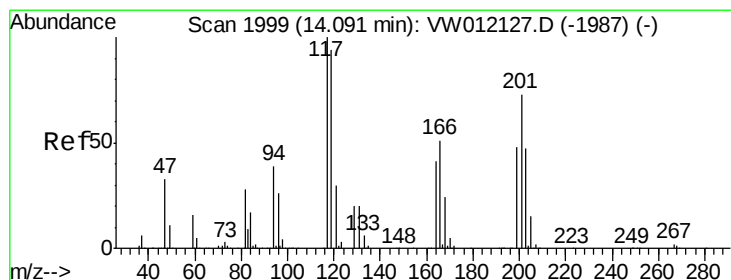
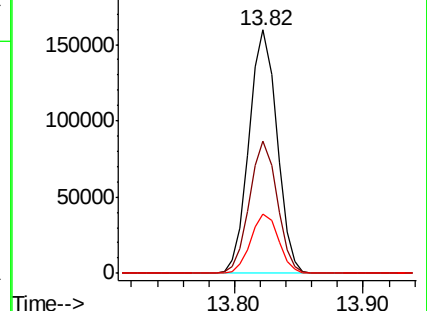
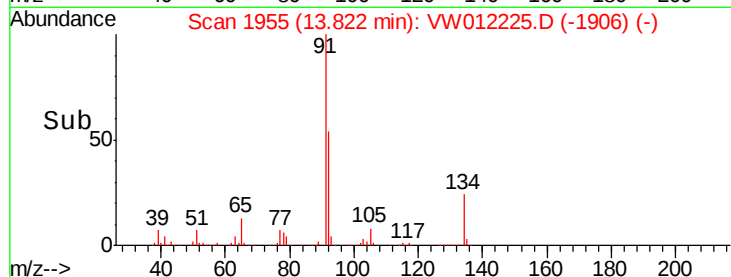
134 24.4 12.2 36.4



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: 20.671 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW012225.D

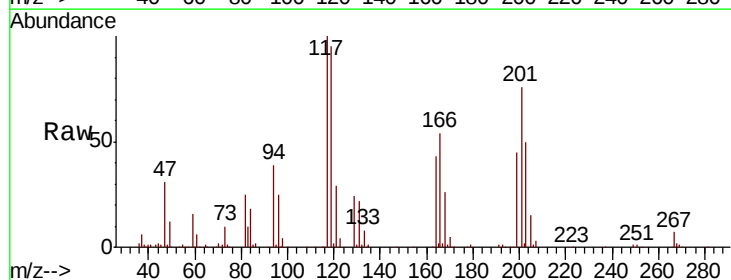
Acq: 27 Aug 2019 22:55

Tgt Ion: 117 Resp: 43346

Ion Ratio Lower Upper

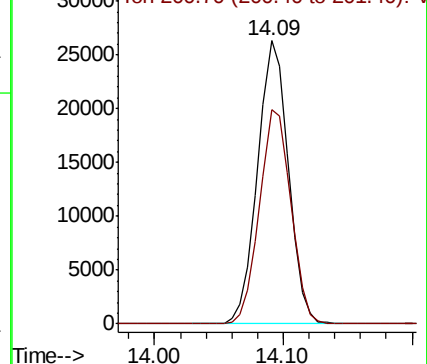
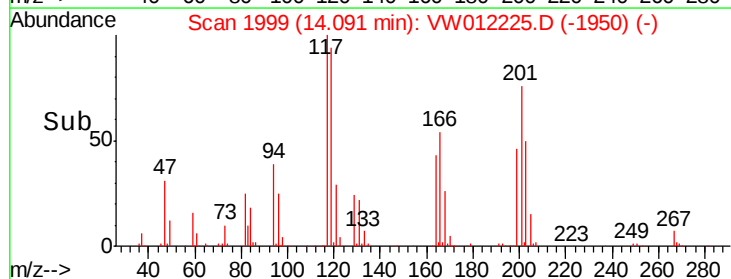
117 100

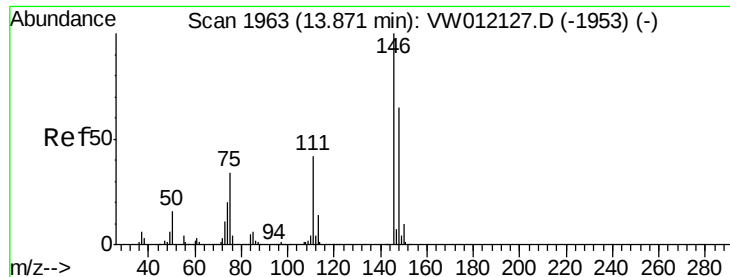
201 77.6 38.6 115.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 20.860 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW012225.D

Acq: 27 Aug 2019 22:55

Instrument :

MSVOA_W

ClientSampleId :

VW0827SBS02

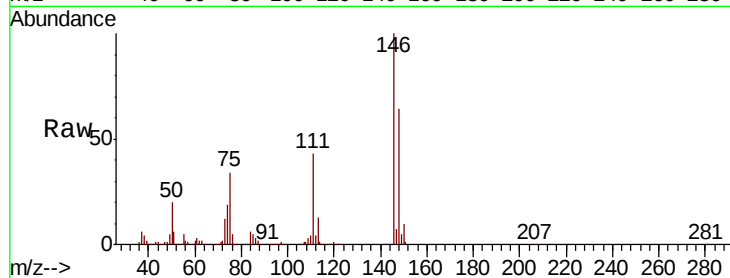
Tgt Ion:146 Resp: 102193

Ion Ratio Lower Upper

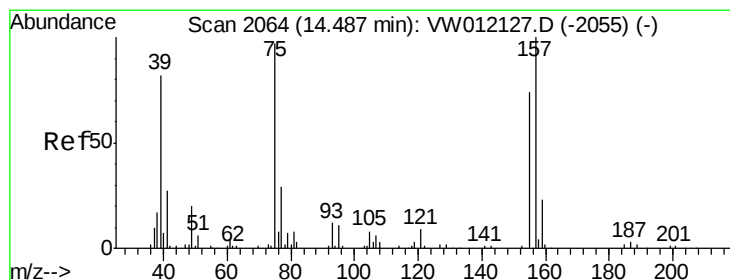
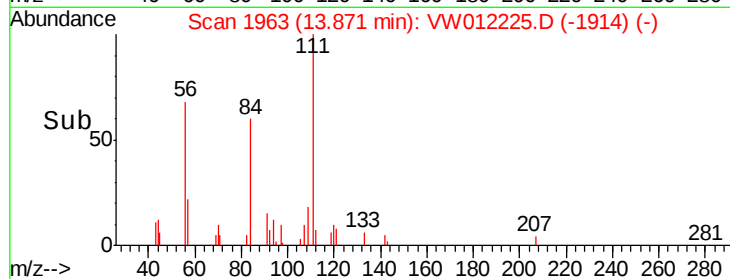
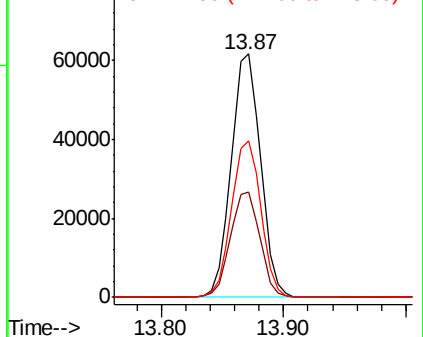
146 100

111 43.3 21.2 63.6

148 64.4 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: 19.837 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. -0.01 min

Lab File: VW012225.D

Acq: 27 Aug 2019 22:55

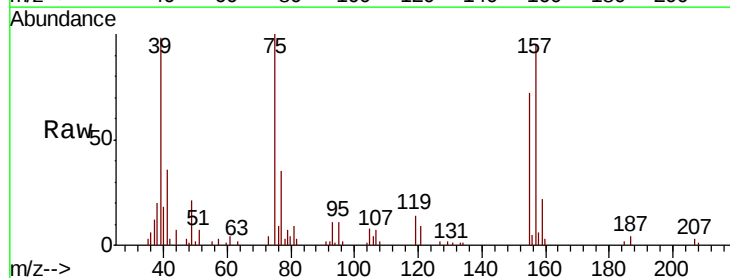
Tgt Ion: 75 Resp: 8091

Ion Ratio Lower Upper

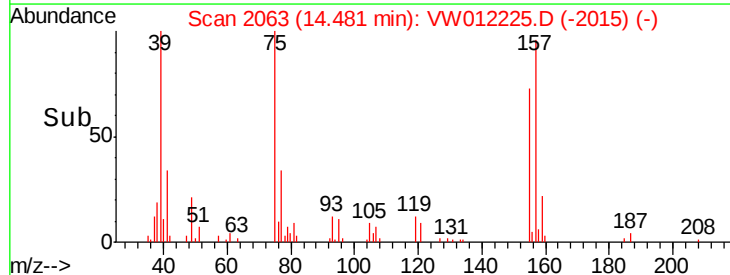
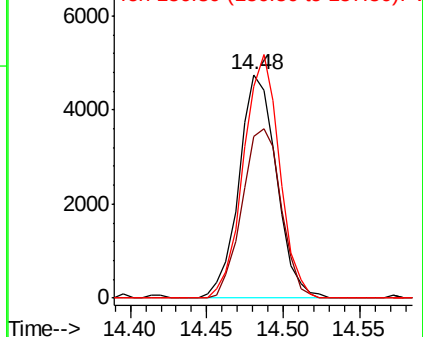
75 100

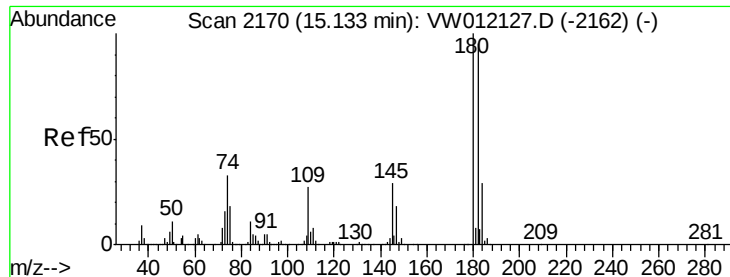
155 78.7 37.5 112.3

157 104.5 50.5 151.5



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 20.702 ug/l

RT: 15.13 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VW012225.D

Acq: 27 Aug 2019 22:55

Instrument :

MSVOA_W

ClientSampleId :

VW0827SBS02

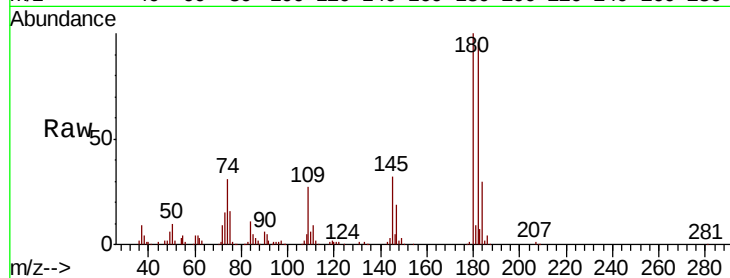
Tgt Ion:180 Resp: 70087

Ion Ratio Lower Upper

180 100

182 96.8 47.8 143.4

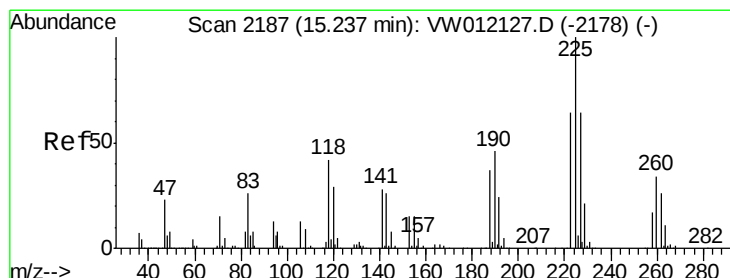
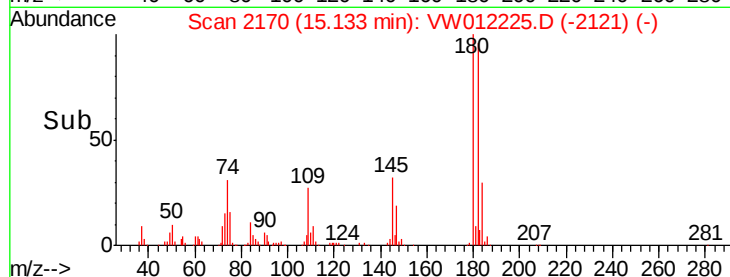
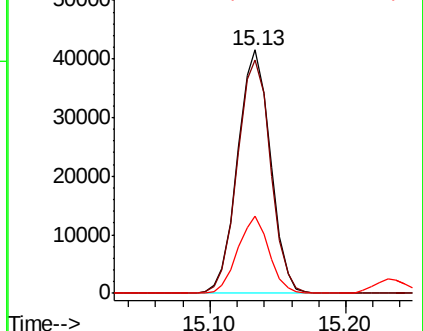
145 30.2 15.0 45.1



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: 21.267 ug/l

RT: 15.24 min Scan# 2187

Delta R.T. -0.00 min

Lab File: VW012225.D

Acq: 27 Aug 2019 22:55

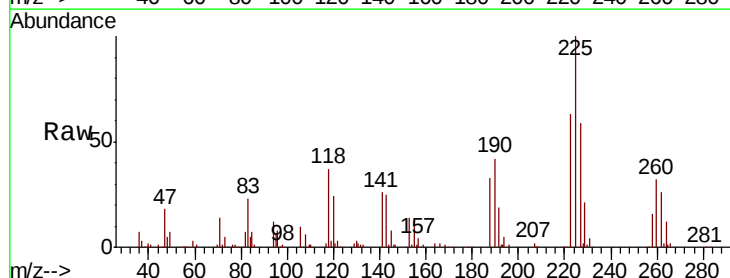
Tgt Ion:225 Resp: 47541

Ion Ratio Lower Upper

225 100

223 63.0 32.3 96.8

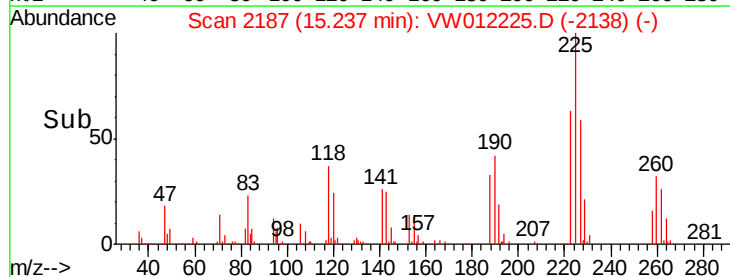
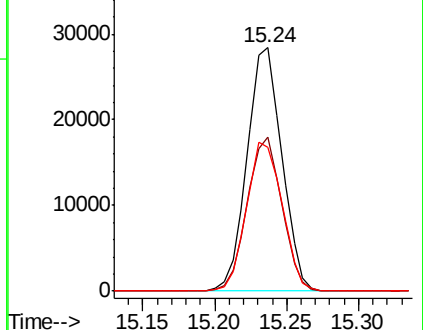
227 62.7 32.9 98.6

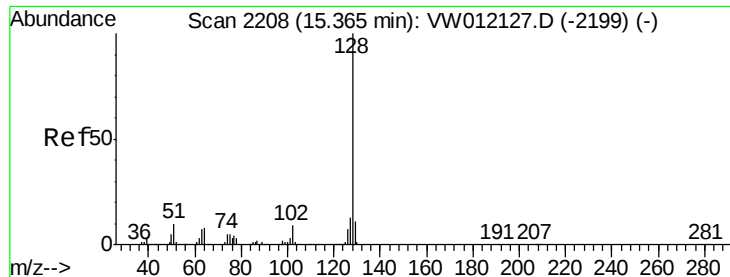


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

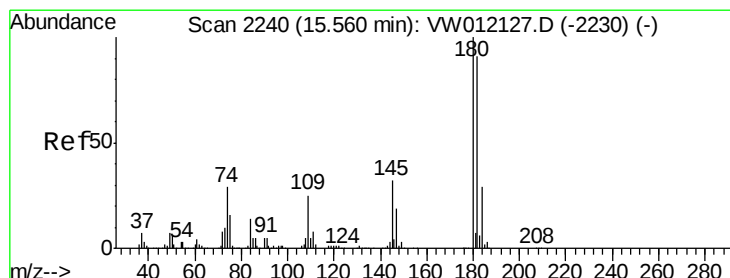
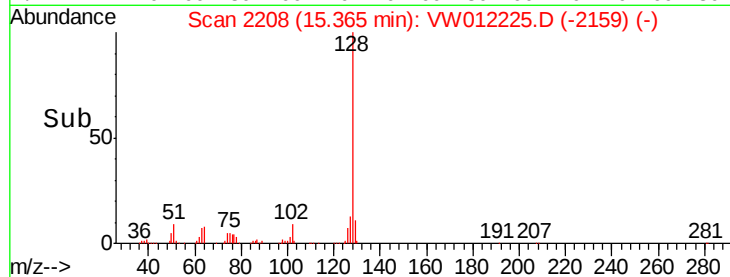
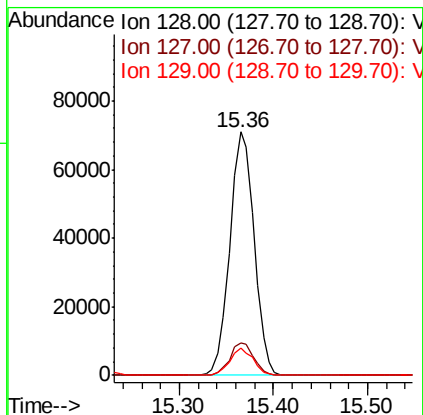
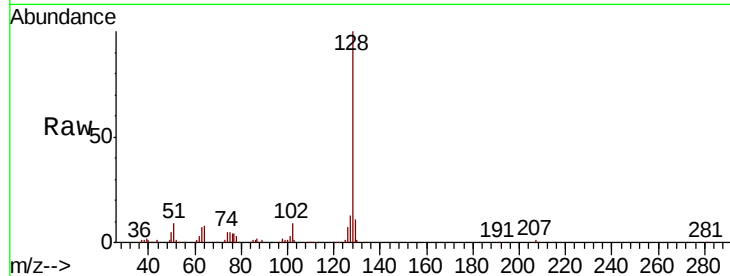




#95
Naphthalene
Concen: 21.827 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012225.D
Acq: 27 Aug 2019 22:55

Instrument :
MSVOA_W
ClientSampleId :
VW0827SBS02

Tgt Ion:128 Resp: 127302
Ion Ratio Lower Upper
128 100
127 13.2 10.7 16.1
129 10.7 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 21.062 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012225.D
Acq: 27 Aug 2019 22:55

Tgt Ion:180 Resp: 62211
Ion Ratio Lower Upper
180 100
182 95.0 47.1 141.3
145 33.0 16.2 48.5

