

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082619\
 Data File : VW012161.D
 Acq On : 26 Aug 2019 10:21
 Operator : SY/VA
 Sample : VW0826SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0826SBS01

Quant Time: Sep 02 02:22:53 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	275508	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	436055	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	374751	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	180940	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	166831	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	
35) Dibromofluoromethane	7.88	113	135209	51.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.90%	
50) Toluene-d8	10.32	98	561271	53.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.36%	
62) 4-Bromofluorobenzene	12.62	95	194542	52.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.58%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.01	85	32131	18.941	ug/l	99
3) Chloromethane	2.21	50	48612	18.496	ug/l	100
4) Vinyl Chloride	2.36	62	60319	18.751	ug/l	98
5) Bromomethane	2.76	94	26611	16.334	ug/l	98
6) Chloroethane	2.90	64	33825	18.640	ug/l	98
7) Trichlorofluoromethane	3.24	101	28963	17.931	ug/l	97
8) Diethyl Ether	3.68	74	28687	18.711	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	52336	19.062	ug/l	99
10) Methyl Iodide	4.26	142	68820	18.525	ug/l	100
11) Tert butyl alcohol	5.18	59	18351	93.107	ug/l	99
12) 1,1-Dichloroethene	4.04	96	52058	18.838	ug/l	98
13) Acrolein	3.89	56	17597	94.847	ug/l	96
14) Allyl chloride	4.66	41	113919	19.282	ug/l	99
15) Acrylonitrile	5.37	53	71775	94.448	ug/l	98
16) Acetone	4.12	43	72103	86.125	ug/l	98
17) Carbon Disulfide	4.37	76	144654	17.320	ug/l	99
18) Methyl Acetate	4.67	43	40217	19.395	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	84313	18.866	ug/l	93
20) Methylene Chloride	4.91	84	58266	18.410	ug/l	100
21) trans-1,2-Dichloroethene	5.42	96	57656	19.456	ug/l	97
22) Diisopropyl ether	6.31	45	218022	19.909	ug/l	99
23) Vinyl Acetate	6.25	43	635172	94.249	ug/l	99
24) 1,1-Dichloroethane	6.21	63	117814	19.759	ug/l	99
25) 2-Butanone	7.17	43	103032	90.566	ug/l	96
26) 2,2-Dichloropropane	7.16	77	67958	20.136	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	61941	19.564	ug/l	98
28) Bromochloromethane	7.51	49	54438	20.948	ug/l	100
29) Tetrahydrofuran	7.53	42	63078	92.417	ug/l	100
30) Chloroform	7.67	83	109738	20.117	ug/l	97
31) Cyclohexane	7.95	56	108850	18.452	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	86247	19.986	ug/l	99
36) 1,1-Dichloropropene	8.08	75	89407	19.841	ug/l	100
37) Ethyl Acetate	7.25	43	43839	17.754	ug/l	98
38) Carbon Tetrachloride	8.07	117	78852	20.218	ug/l	98

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 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0826SBS01

Quant Time: Sep 02 02:22:53 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)
39) Methylcyclohexane	9.34	83	94122	18.593	ug/l	99
40) Benzene	8.32	78	245002	19.912	ug/l	99
41) Methacrylonitrile	7.48	41	29889	20.595	ug/l	93
42) 1,2-Dichloroethane	8.40	62	77281	20.040	ug/l	100
43) Isopropyl Acetate	8.42	43	85388	18.669	ug/l	99
44) Trichloroethene	9.09	130	59524	19.900	ug/l	99
45) 1,2-Dichloropropane	9.37	63	65672	19.832	ug/l	99
46) Dibromomethane	9.46	93	28416	19.286	ug/l	100
47) Bromodichloromethane	9.64	83	77389	19.736	ug/l	99
48) Methyl methacrylate	9.43	41	39925	18.340	ug/l	96
49) 1,4-Dioxane	9.46	88	8475	375.739	ug/l #	76
51) 4-Methyl-2-Pentanone	10.21	43	215865	92.788	ug/l	100
52) Toluene	10.38	92	148327	20.067	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	78335	19.612	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	93909	19.472	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	41199	19.763	ug/l	98
56) Ethyl methacrylate	10.65	69	57230	18.863	ug/l	99
57) 1,3-Dichloropropane	10.93	76	77185	19.593	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	149667	96.119	ug/l	99
59) 2-Hexanone	10.97	43	150716	91.560	ug/l	100
60) Dibromochloromethane	11.13	129	45711	19.687	ug/l	99
61) 1,2-Dibromoethane	11.23	107	38224	19.682	ug/l	99
64) Tetrachloroethene	10.86	164	48745	20.063	ug/l	96
65) Chlorobenzene	11.66	112	147341	19.967	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	51823	20.131	ug/l	98
67) Ethyl Benzene	11.73	91	283880	19.971	ug/l	100
68) m/p-Xylenes	11.84	106	206571	40.343	ug/l	99
69) o-Xylene	12.16	106	95197	20.088	ug/l	100
70) Styrene	12.18	104	166526	20.301	ug/l	100
71) Bromoform	12.35	173	25002	19.493	ug/l #	99
73) Isopropylbenzene	12.46	105	267295	19.715	ug/l	98
74) N-amyl acetate	12.27	43	76346	18.638	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	48385	19.466	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	63986	36.310	ug/l #	100
77) Bromobenzene	12.74	156	58241	19.856	ug/l	99
78) n-propylbenzene	12.80	91	334045	20.182	ug/l	99
79) 2-Chlorotoluene	12.89	91	188356	20.044	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	230988	20.389	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	15396	19.155	ug/l	99
82) 4-Chlorotoluene	12.99	91	197282	20.050	ug/l	99
83) tert-Butylbenzene	13.21	119	194572	20.275	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	231837	20.372	ug/l	100
85) sec-Butylbenzene	13.38	105	278908	20.286	ug/l	99
86) p-Isopropyltoluene	13.50	119	252167	20.537	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	115735	20.173	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	114721	20.139	ug/l	98
89) n-Butylbenzene	13.82	91	248055	20.315	ug/l	100
90) Hexachloroethane	14.09	117	44063	20.454	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	101896	20.246	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7771	18.545	ug/l	97

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Quant Time: Sep 02 02:22:53 2019
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	15.13	180	69943	20.110	ug/l	98
94) Hexachlorobutadiene	15.24	225	47697	20.769	ug/l	98
95) Naphthalene	15.36	128	112552	19.387	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	60230	19.848	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: VW012161.D

Acq: 26 Aug 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

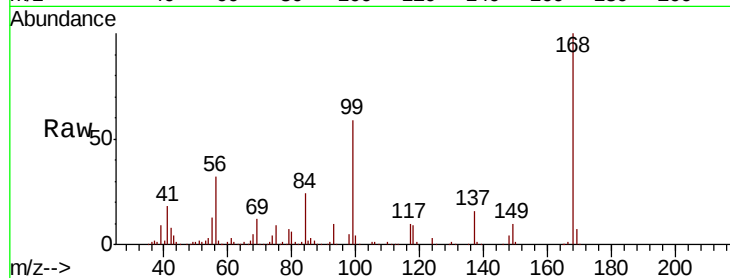
VW0826SBS01

Tot Ion:168 Resp: 275508

Ion Ratio Lower Upper

168 100

99 58.6 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

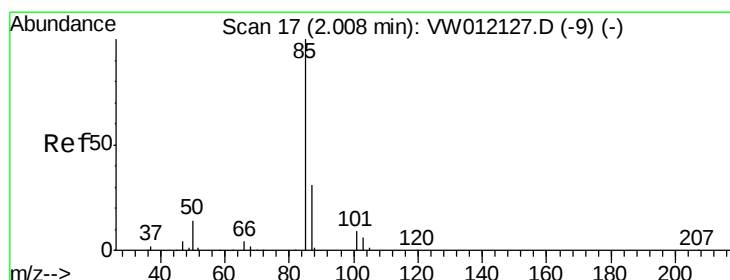
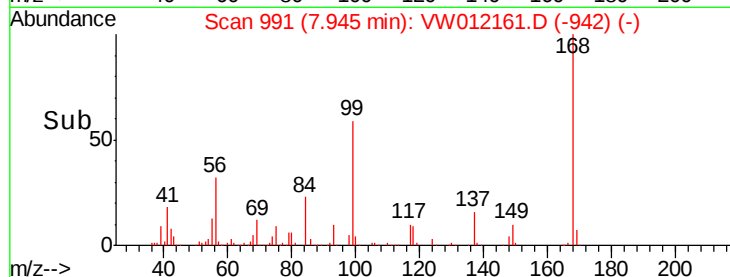
7.95

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.941 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012161.D

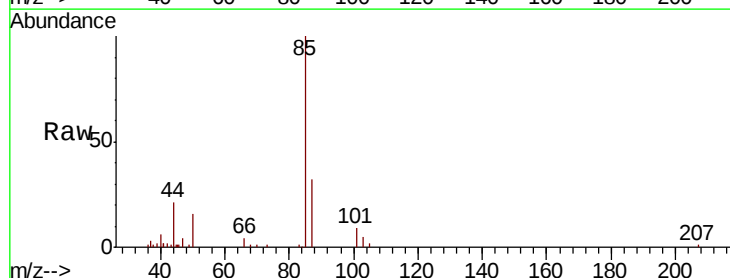
Acq: 26 Aug 2019 10:21

Tgt Ion: 85 Resp: 32131

Ion Ratio Lower Upper

85 100

87 31.9 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

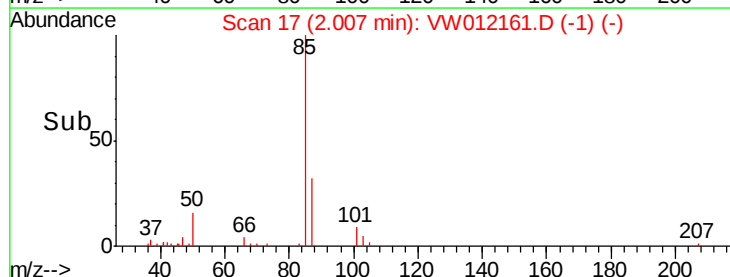
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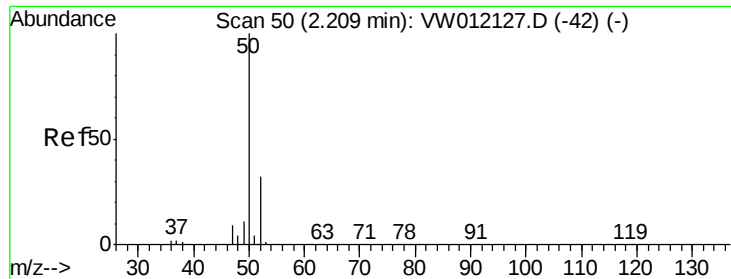
10000

5000

0

Time-->





#3

Chloromethane

Concen: 18.496 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012161.D

Acq: 26 Aug 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

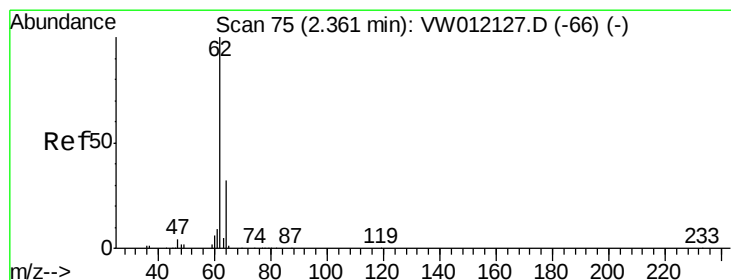
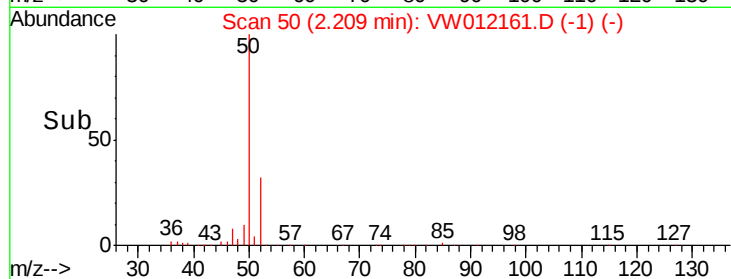
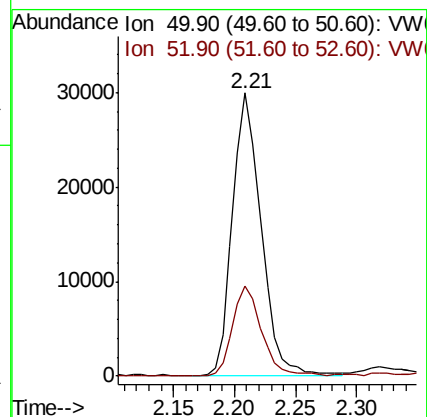
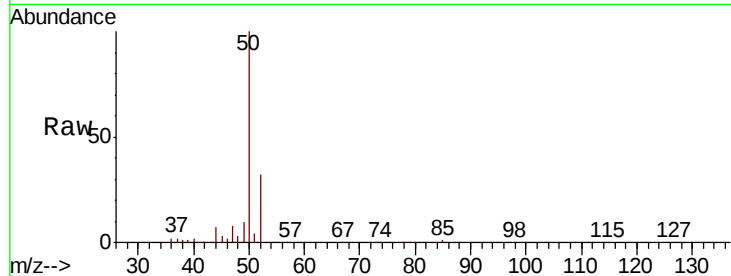
VW0826SBS01

Tot Ion: 50 Resp: 48612

Ion Ratio Lower Upper

50 100

52 32.0 25.5 38.3



#4

Vinyl Chloride

Concen: 18.751 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012161.D

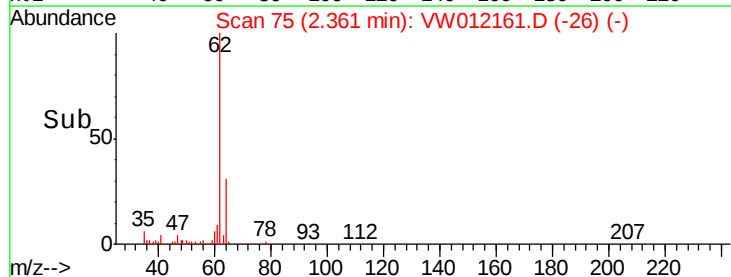
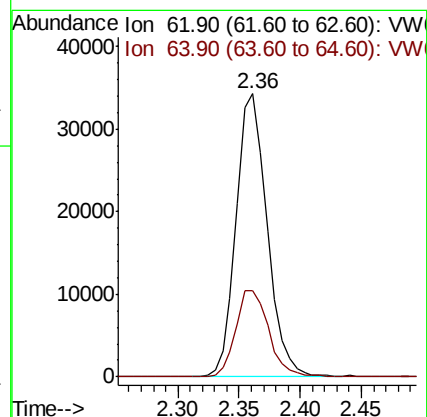
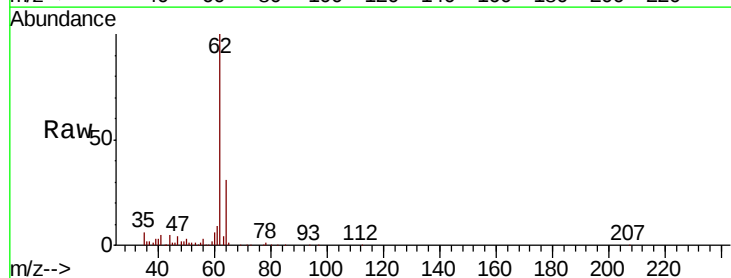
Acq: 26 Aug 2019 10:21

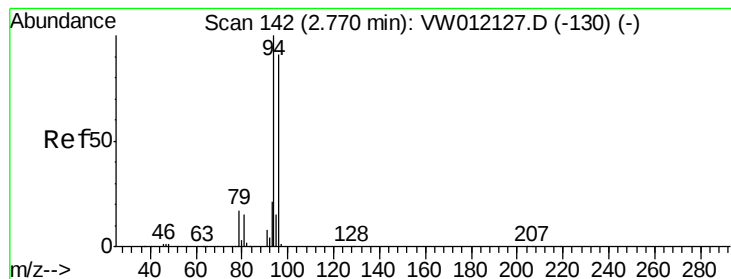
Tgt Ion: 62 Resp: 60319

Ion Ratio Lower Upper

62 100

64 30.7 25.3 37.9





#5

Bromomethane

Concen: 16.334 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.01 min

Lab File: VW012161.D

Acq: 26 Aug 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

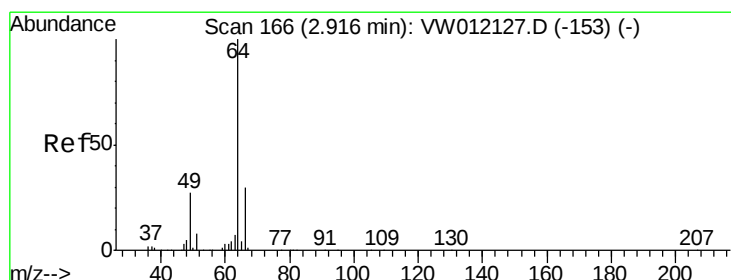
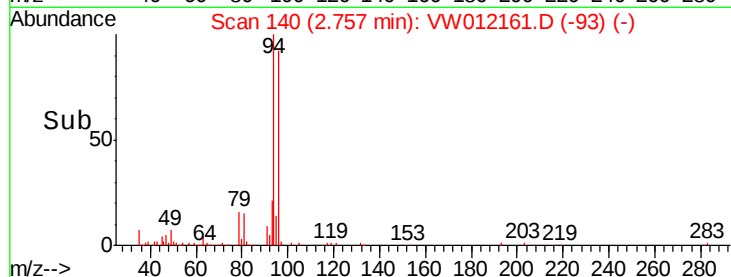
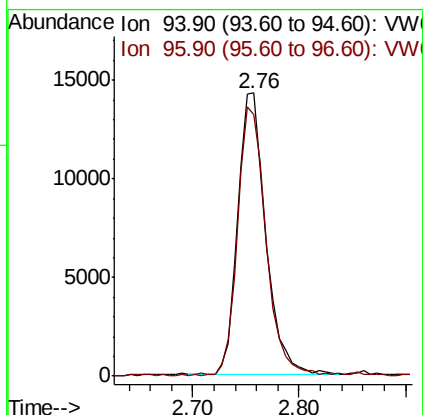
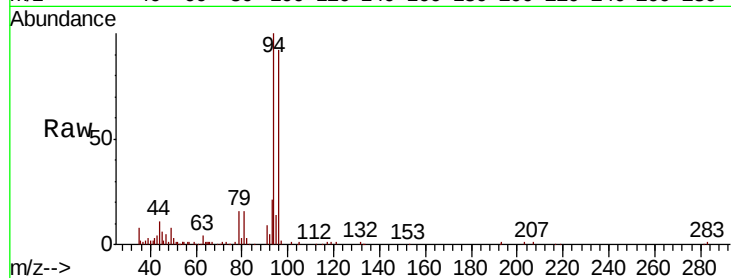
VW0826SBS01

Tot Ion: 94 Resp: 26611

Ion Ratio Lower Upper

94 100

96 92.8 72.9 109.3



#6

Chloroethane

Concen: 18.640 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW012161.D

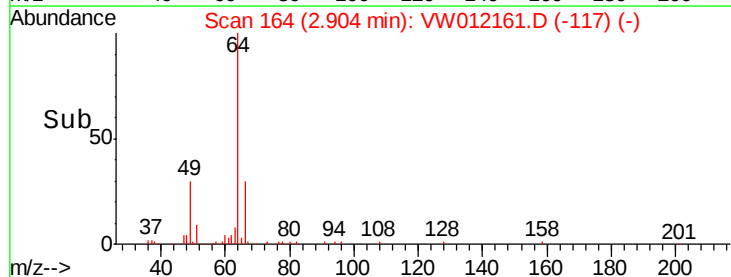
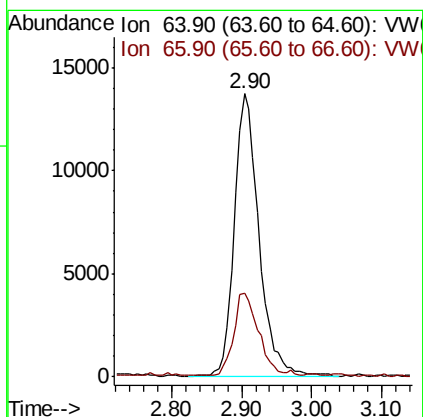
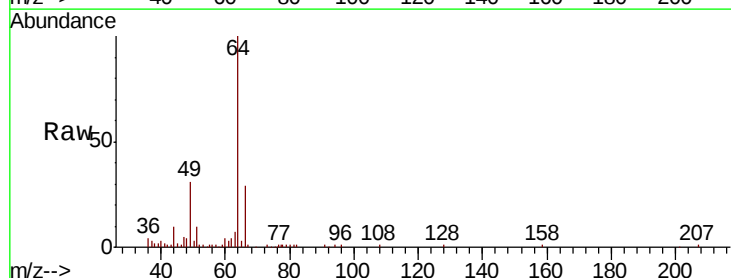
Acq: 26 Aug 2019 10:21

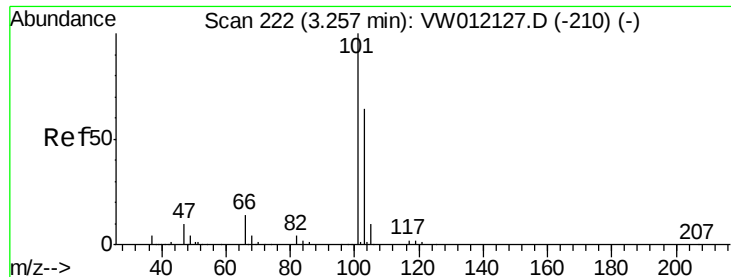
Tgt Ion: 64 Resp: 33825

Ion Ratio Lower Upper

64 100

66 28.9 23.8 35.8



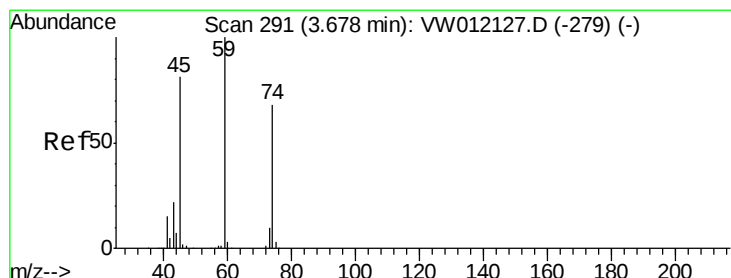
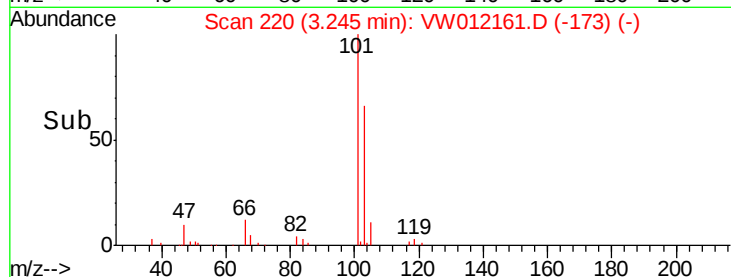
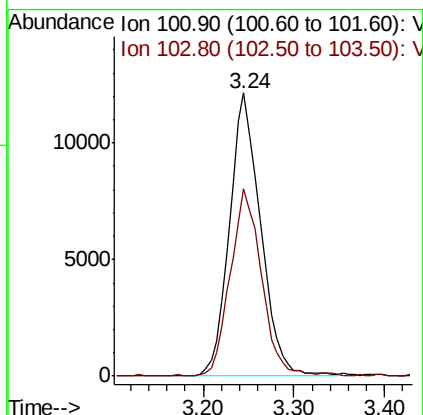
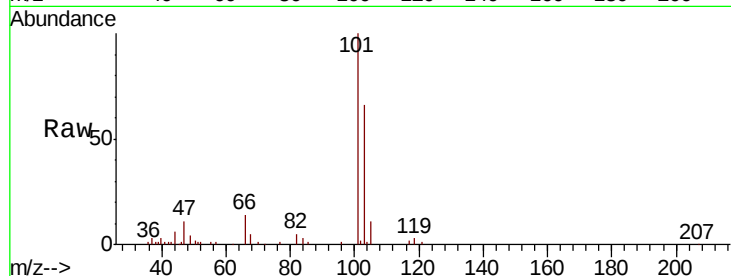


#7

Trichlorofluoromethane
 Concen: 17.931 ug/l
 RT: 3.24 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW012161.D
 Acq: 26 Aug 2019 10:21

Instrument :
 MSVOA_W
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 VW0826SBS01

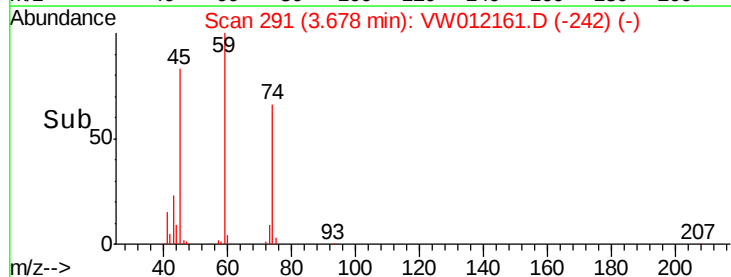
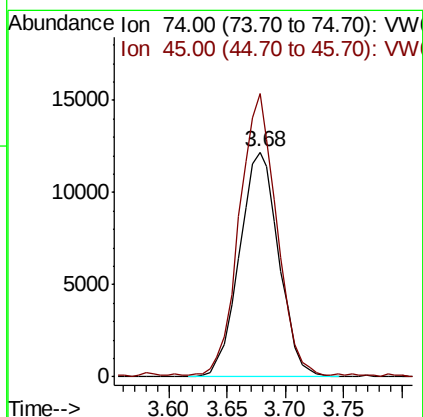
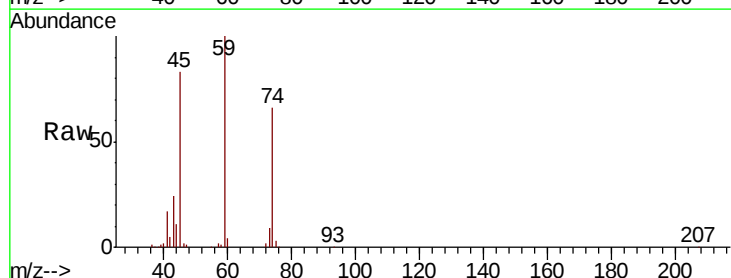
Tot Ion:101 Resp: 28963
 Ion Ratio Lower Upper
 101 100
 103 66.0 51.2 76.8

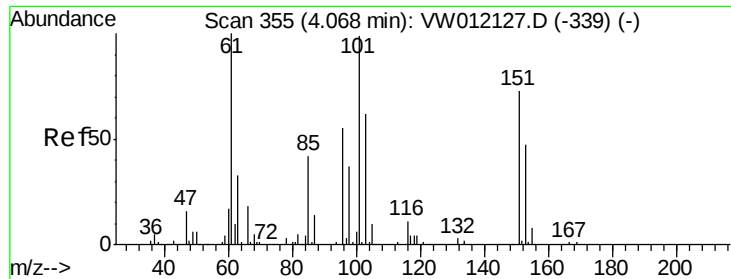


#8

Diethyl Ether
 Concen: 18.711 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012161.D
 Acq: 26 Aug 2019 10:21

Tgt Ion: 74 Resp: 28687
 Ion Ratio Lower Upper
 74 100
 45 118.3 59.2 177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.062 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012161.D

Acq: 26 Aug 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBS01

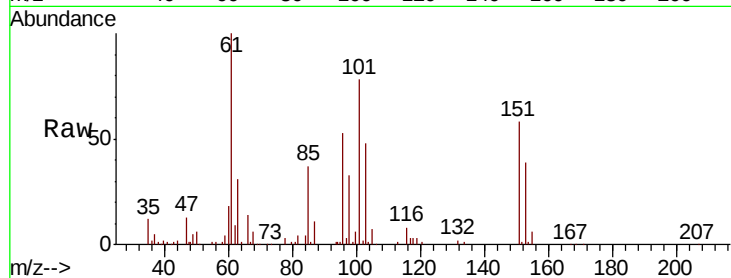
Tot Ion:101 Resp: 52336

Ion Ratio Lower Upper

101 100

85 46.3 35.8 53.6

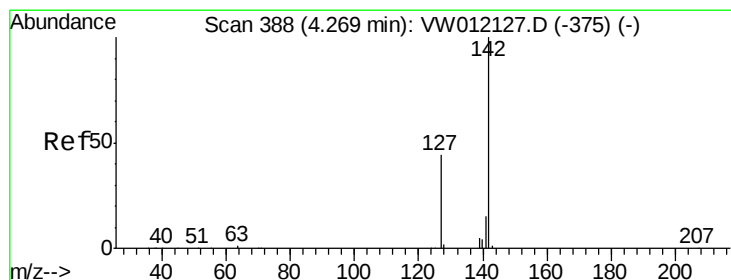
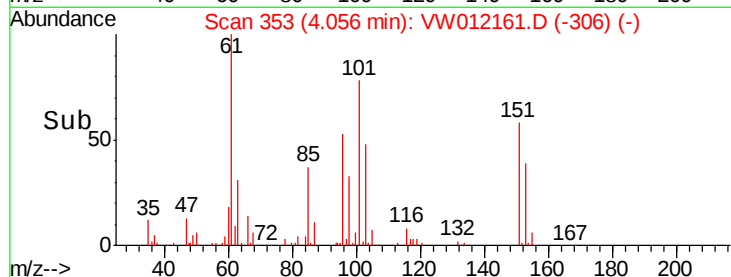
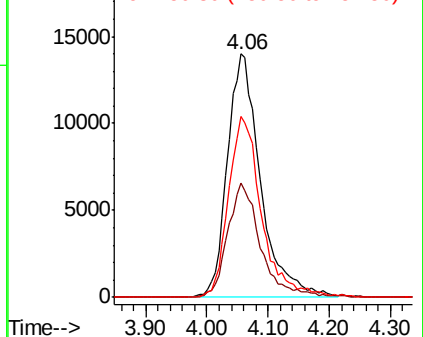
151 73.9 58.6 87.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.525 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW012161.D

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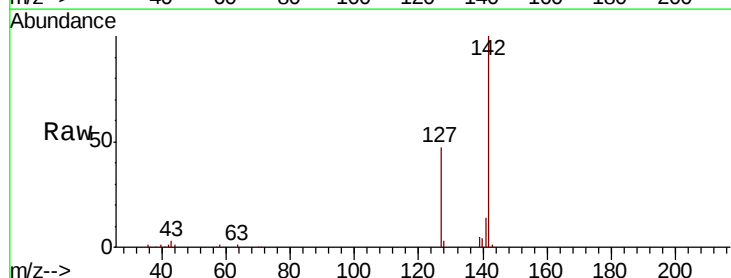
Tgt Ion:142 Resp: 68820

Ion Ratio Lower Upper

142 100

127 44.6 35.5 53.3

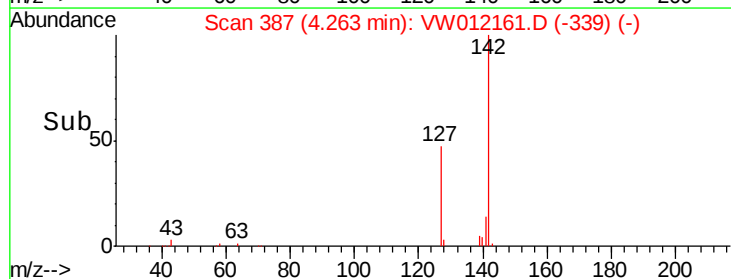
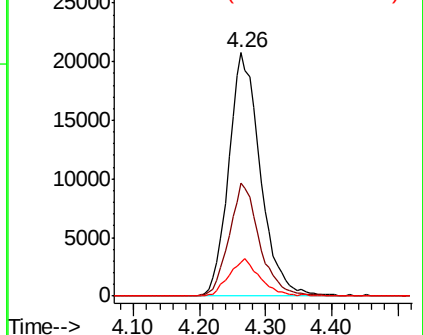
141 14.9 11.8 17.8

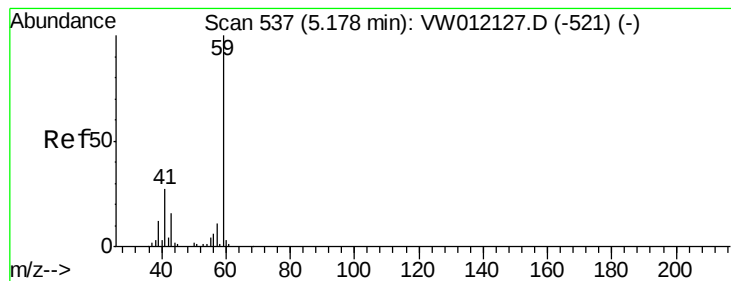


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



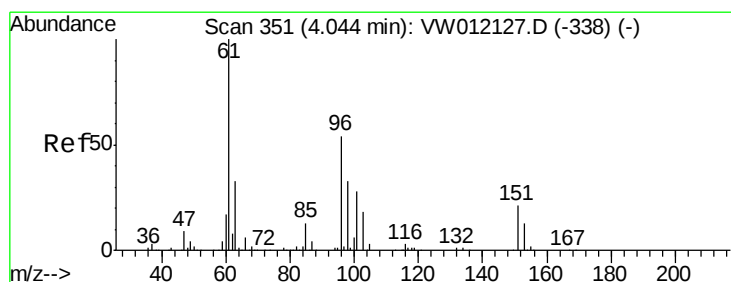
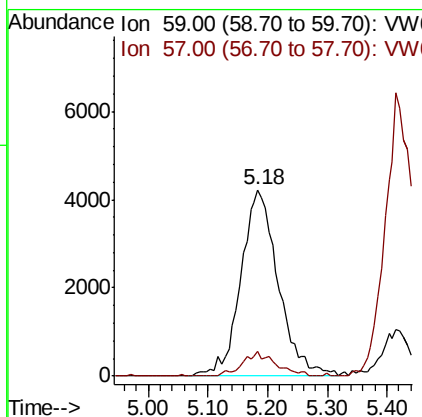
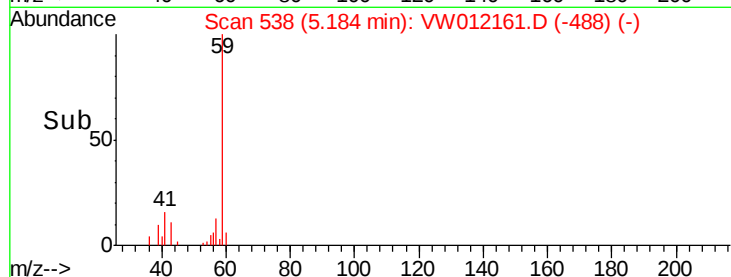
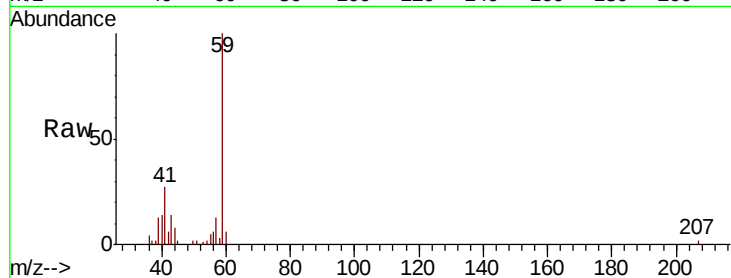


#11

Tert butyl alcohol
Concen: 93.107 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW012161.D
Acq: 26 Aug 2019 10:21

Instrument :
MSVOA_W
ClientSampleId :
VW0826SBS01

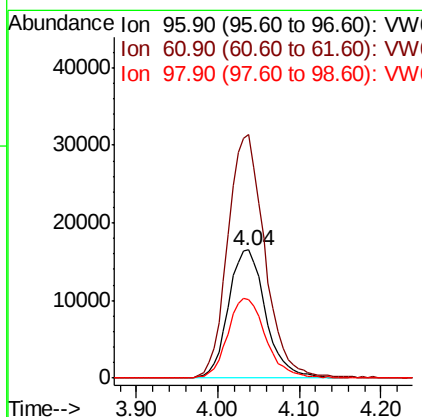
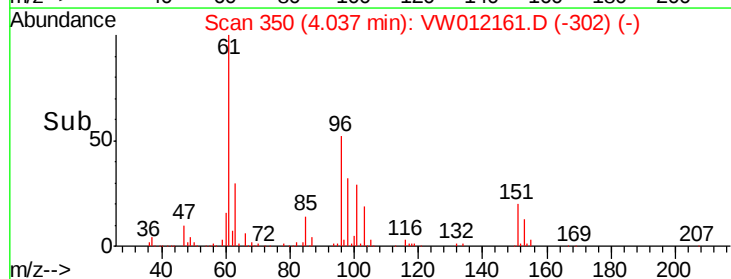
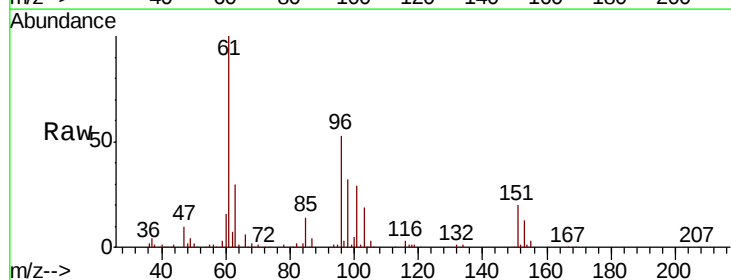
Tot Ion: 59 Resp: 18351
Ion Ratio Lower Upper
59 100
57 11.5 9.0 13.4

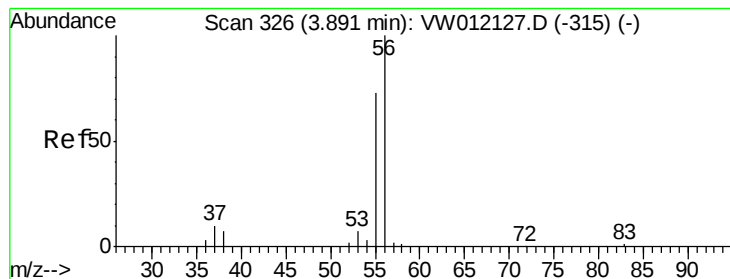


#12

1,1-Dichloroethene
Concen: 18.838 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW012161.D
Acq: 26 Aug 2019 10:21

Tgt Ion: 96 Resp: 52058
Ion Ratio Lower Upper
96 100
61 189.9 149.1 223.7
98 61.7 49.4 74.2





#13

Acrolein

Concen: 94.847 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW012161.D

Acq: 26 Aug 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

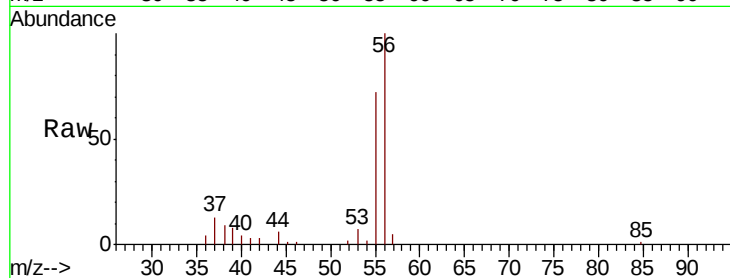
VW0826SBS01

Tot Ion: 56 Resp: 17597

Ion Ratio Lower Upper

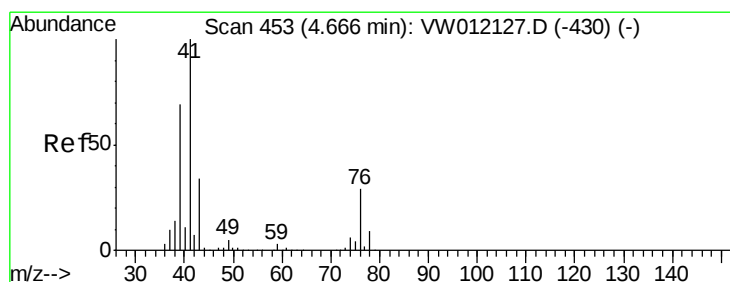
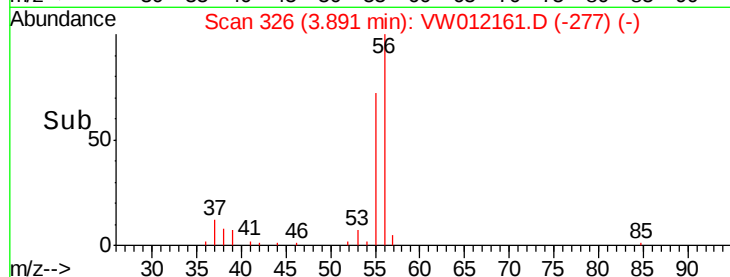
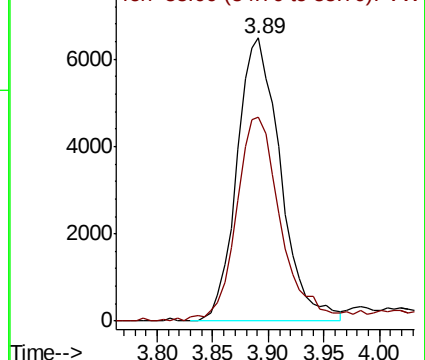
56 100

55 73.4 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: 19.282 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012161.D

Acq: 26 Aug 2019 10:21

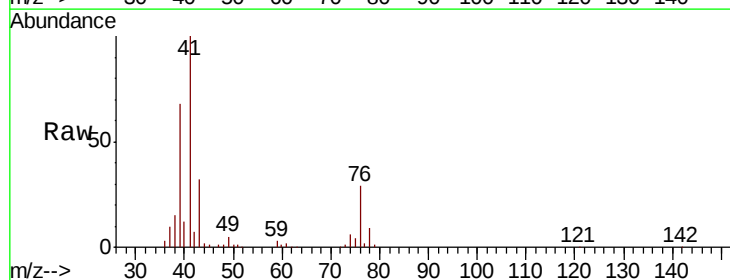
Tgt Ion: 41 Resp: 113919

Ion Ratio Lower Upper

41 100

39 68.0 53.4 80.2

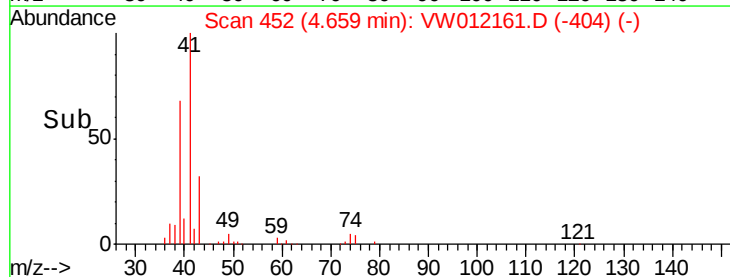
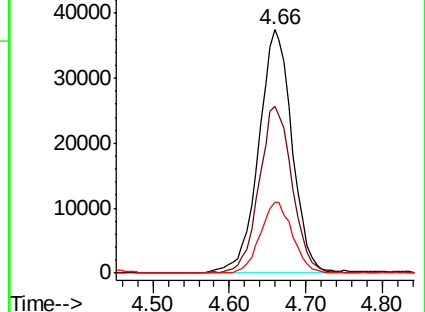
76 28.1 22.1 33.1

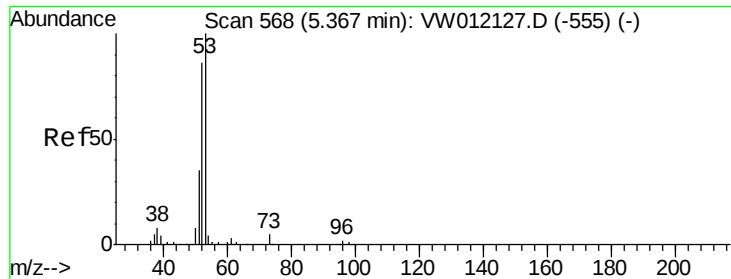


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 94.448 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012161.D

Acq: 26 Aug 2019 10:21

Instrument :

MSVOA_W

ClientSampled :

VW0826SBS01

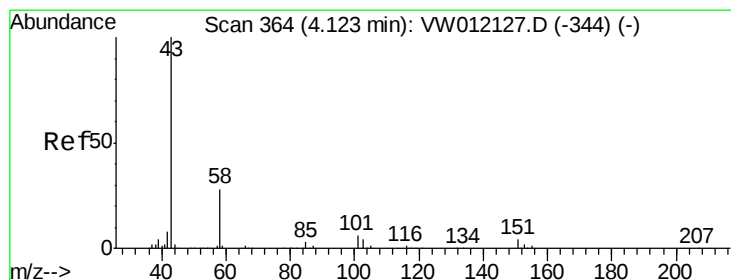
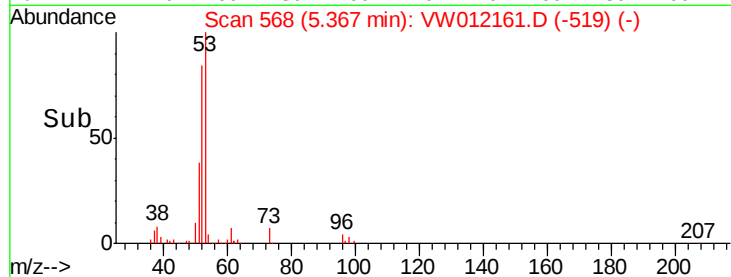
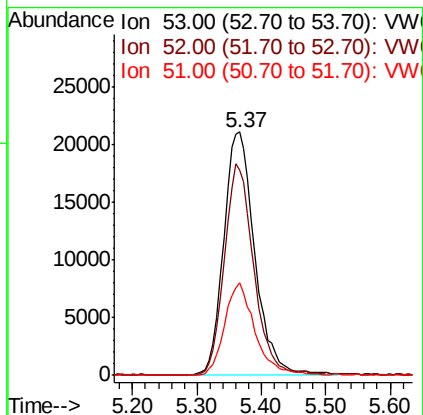
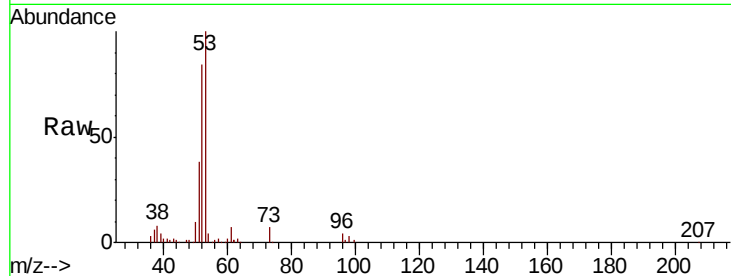
Tot Ion: 53 Resp: 71775

Ion Ratio Lower Upper

53 100

52 81.8 66.7 100.1

51 36.9 30.1 45.1



#16

Acetone

Concen: 86.125 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW012161.D

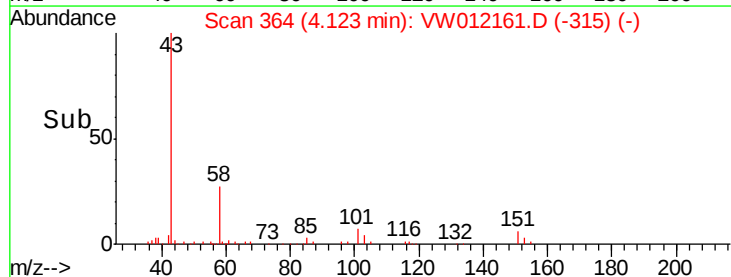
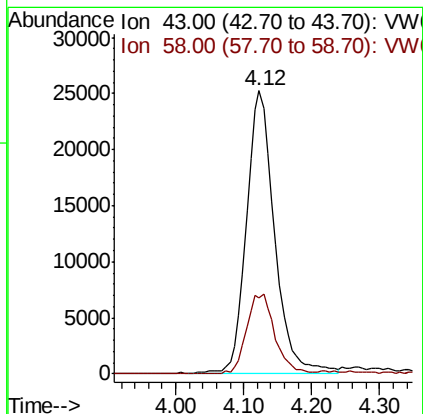
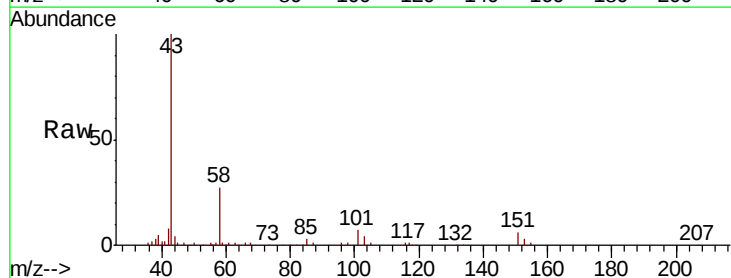
Acq: 26 Aug 2019 10:21

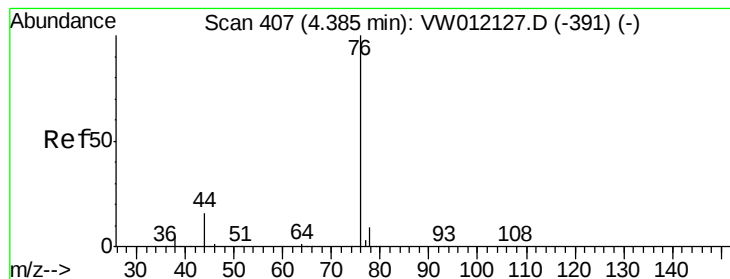
Tgt Ion: 43 Resp: 72103

Ion Ratio Lower Upper

43 100

58 26.9 22.4 33.6





#17

Carbon Disulfide

Concen: 17.320 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW012161.D

Acq: 26 Aug 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

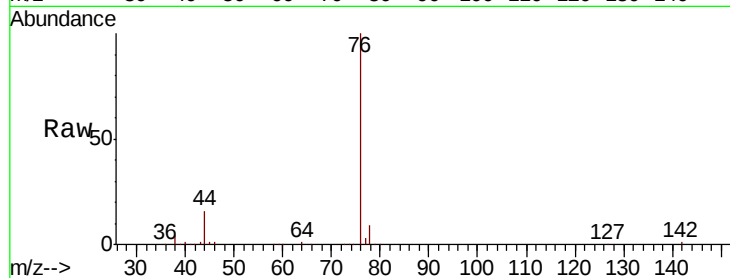
VW0826SBS01

Tot Ion: 76 Resp: 144654

Ion Ratio Lower Upper

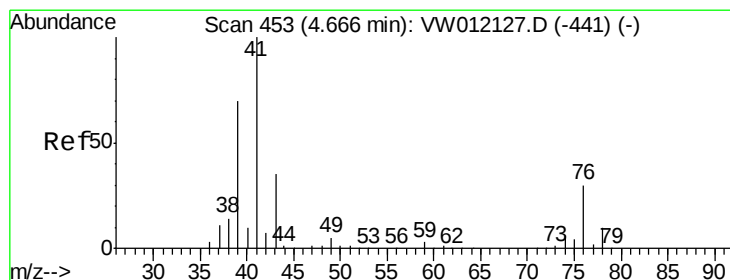
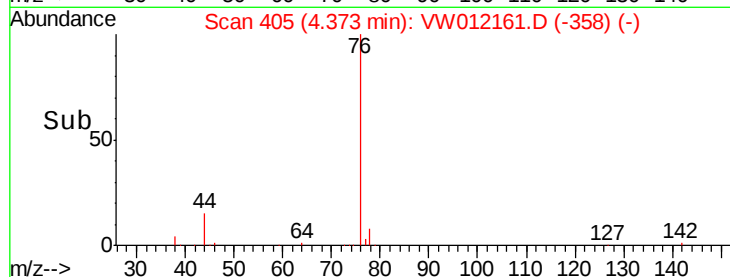
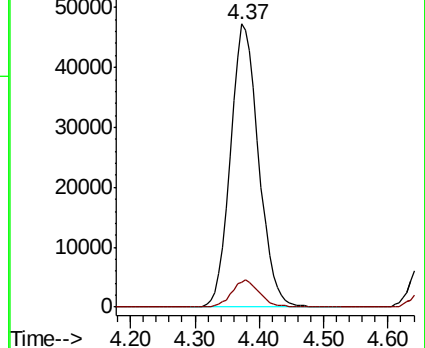
76 100

78 8.9 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 19.395 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012161.D

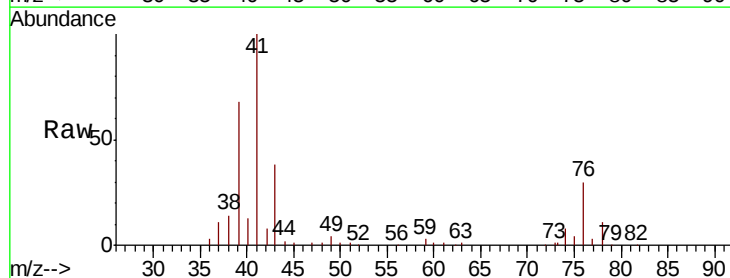
Acq: 26 Aug 2019 10:21

Tgt Ion: 43 Resp: 40217

Ion Ratio Lower Upper

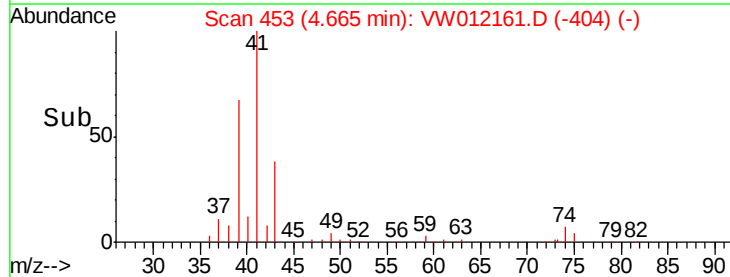
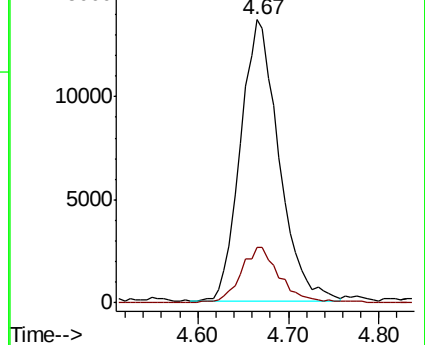
43 100

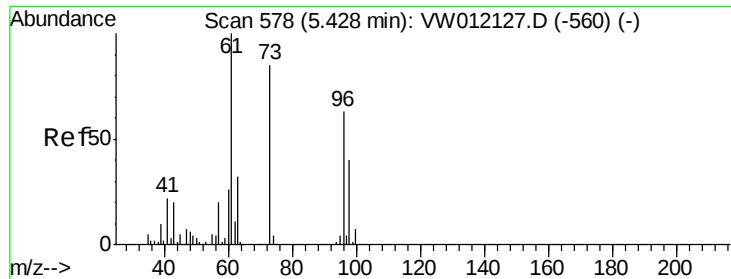
74 19.9 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

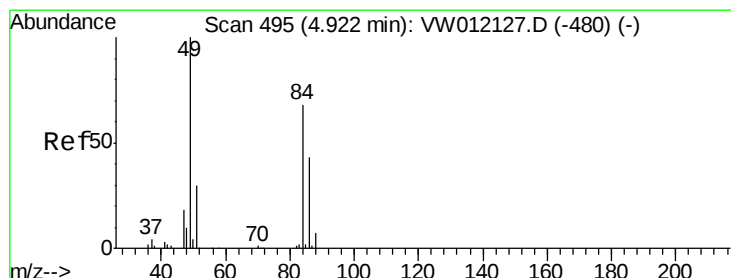
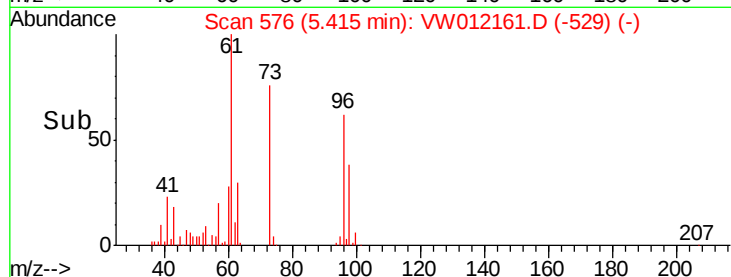
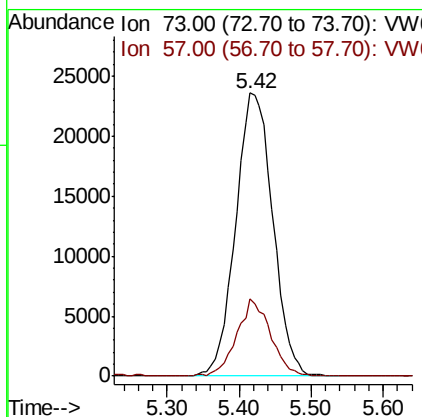
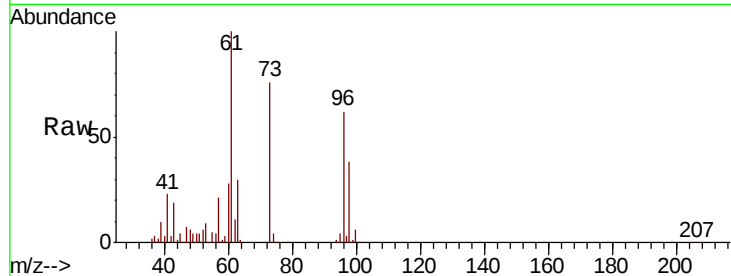




#19
Methyl tert-butyl Ether
Concen: 18.866 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW012161.D
Acq: 26 Aug 2019 10:21

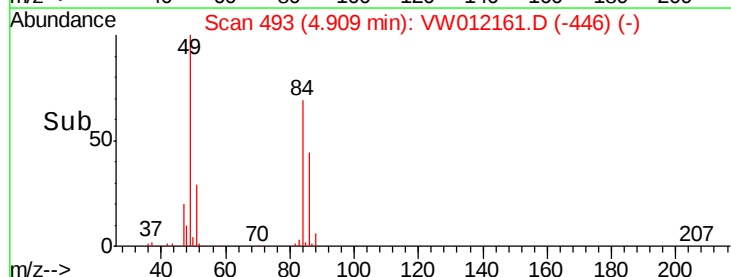
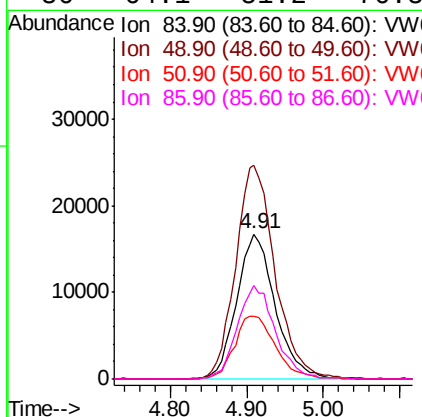
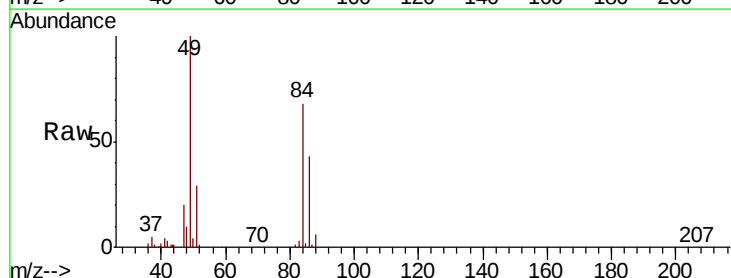
Instrument :
MSVOA_W
ClientSampleId :
VW0826SBS01

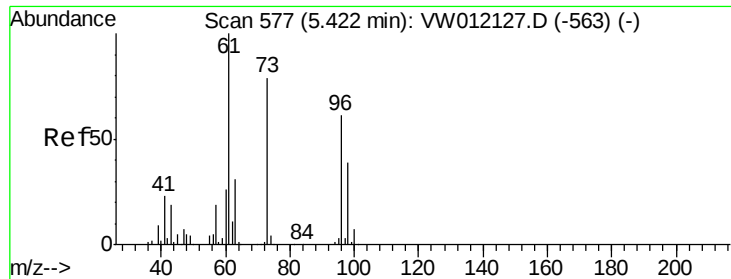
Tot Ion: 73 Resp: 84313
Ion Ratio Lower Upper
73 100
57 27.2 18.9 28.3



#20
Methylene Chloride
Concen: 18.410 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012161.D
Acq: 26 Aug 2019 10:21

Tgt Ion: 84 Resp: 58266
Ion Ratio Lower Upper
84 100
49 147.3 117.8 176.8
51 43.4 35.6 53.4
86 64.1 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 19.456 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW012161.D

Acq: 26 Aug 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBS01

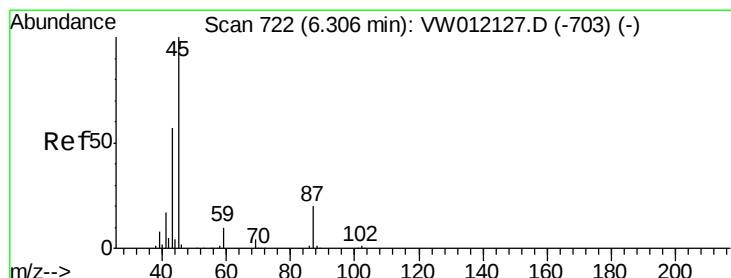
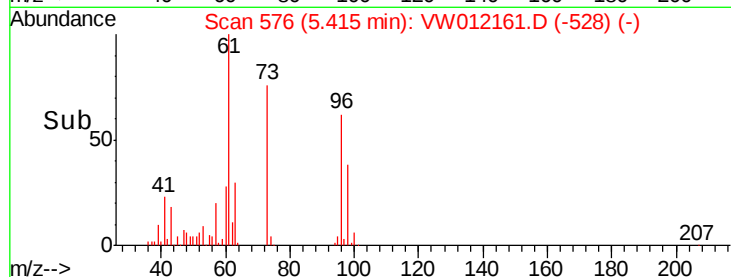
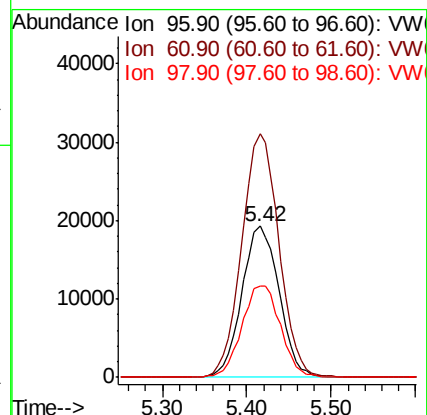
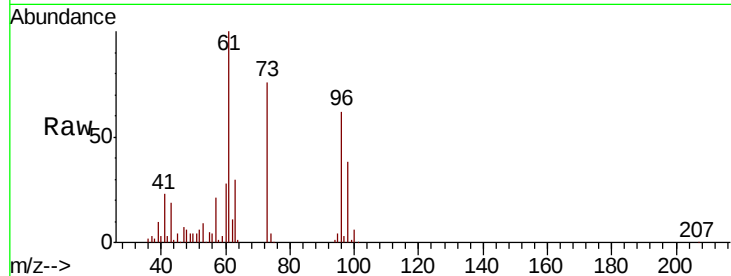
Tot Ion: 96 Resp: 57656

Ion Ratio Lower Upper

96 100

61 161.3 131.4 197.0

98 60.8 51.4 77.0



#22

Diisopropyl ether

Concen: 19.909 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW012161.D

Acq: 26 Aug 2019 10:21

Tgt Ion: 45 Resp: 218022

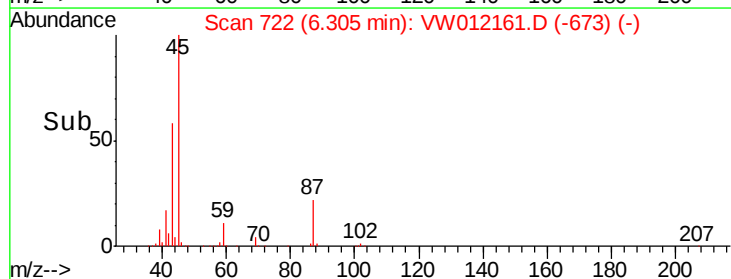
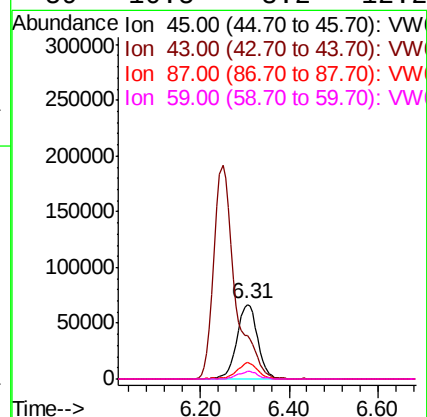
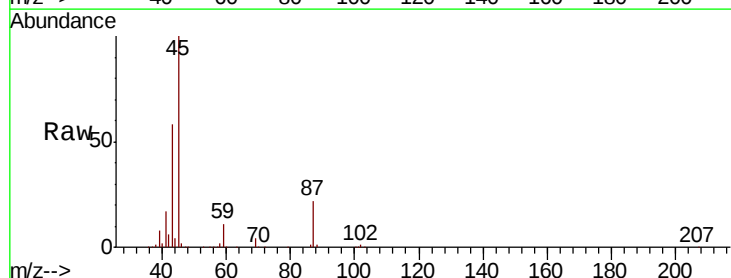
Ion Ratio Lower Upper

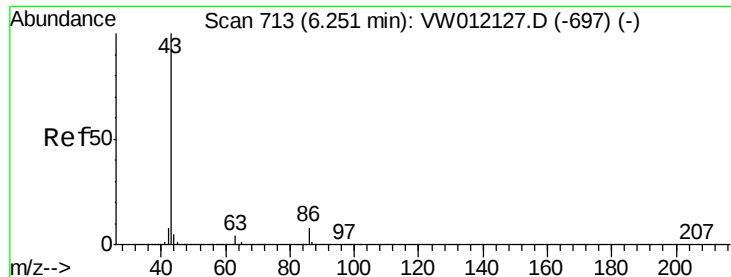
45 100

43 57.5 45.5 68.3

87 21.6 16.1 24.1

59 10.5 8.2 12.2





#23

Vinyl Acetate

Concen: 94.249 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012161.D

Acq: 26 Aug 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

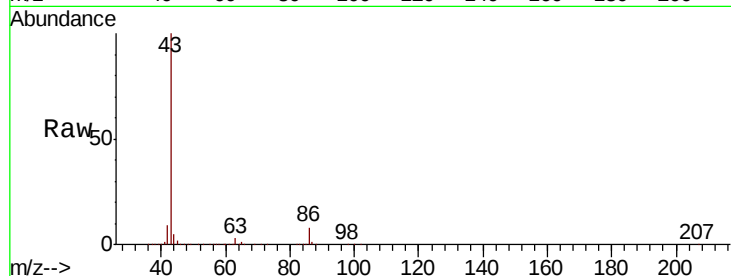
VW0826SBS01

Tot Ion: 43 Resp: 635172

Ion Ratio Lower Upper

43 100

86 8.3 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

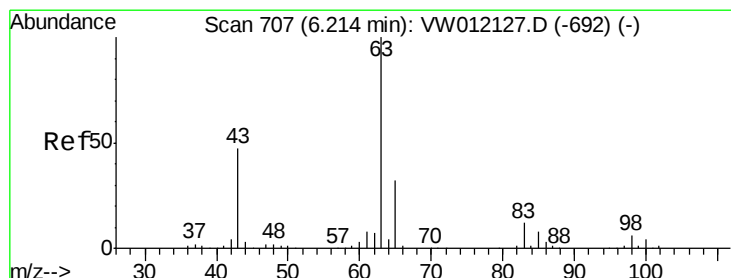
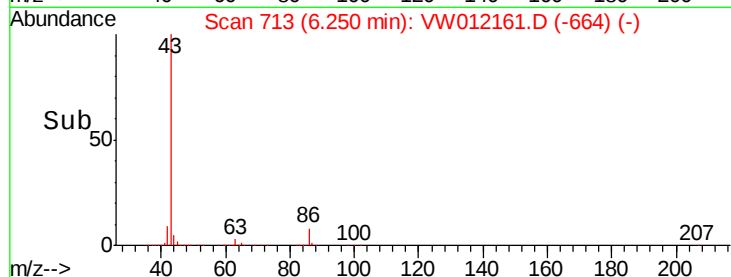
100000

50000

0

6.10 6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 19.759 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW012161.D

Acq: 26 Aug 2019 10:21

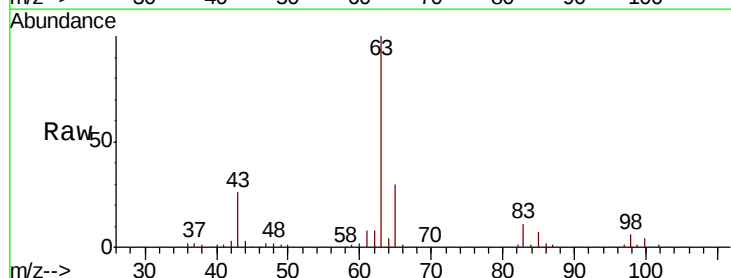
Tgt Ion: 63 Resp: 117814

Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.2

100 3.6 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

6.21

50000

40000

30000

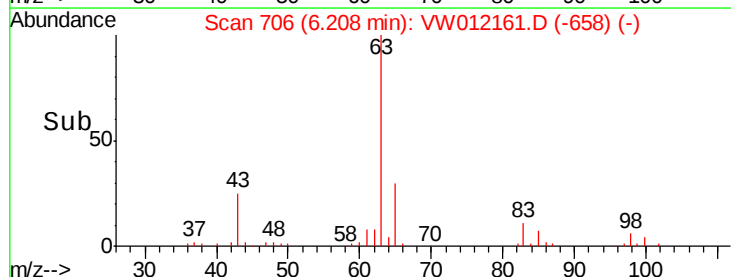
20000

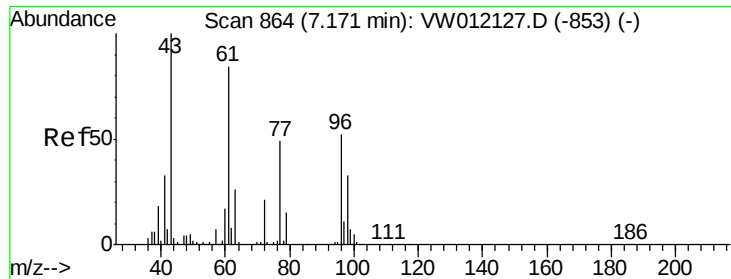
10000

0

6.10 6.20 6.30

Time-->





#25

2-Butanone

Concen: 90.566 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW012161.D

Acq: 26 Aug 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

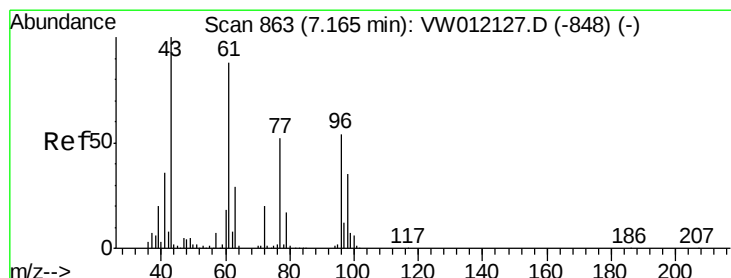
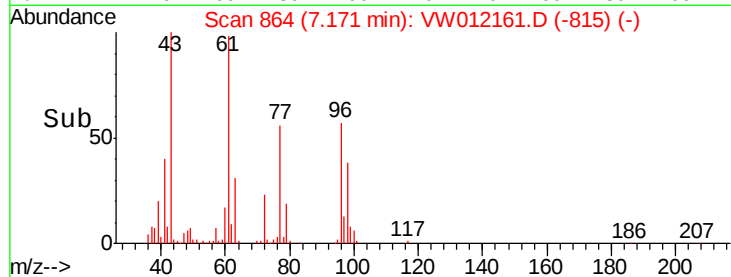
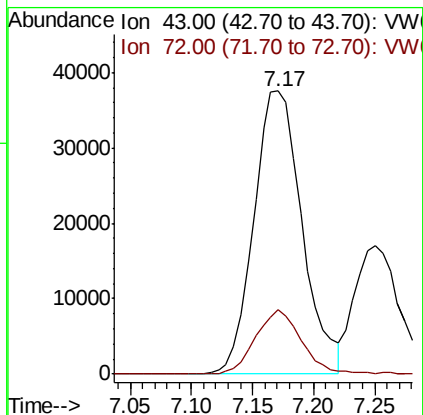
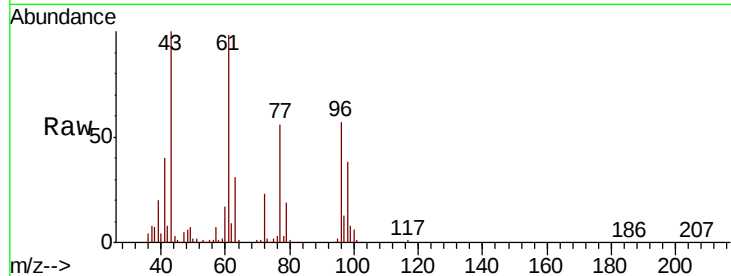
VW0826SBS01

Tot Ion: 43 Resp: 103032

Ion Ratio Lower Upper

43 100

72 22.7 16.6 24.8



#26

2,2-Dichloropropane

Concen: 20.136 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012161.D

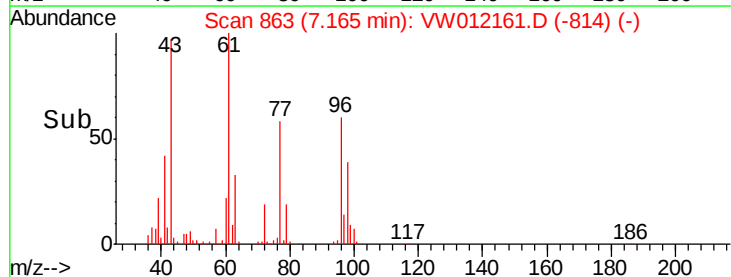
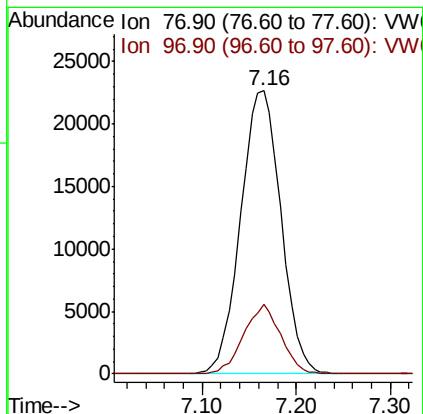
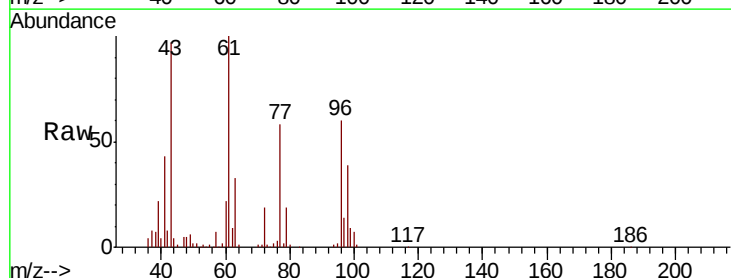
Acq: 26 Aug 2019 10:21

Tgt Ion: 77 Resp: 67958

Ion Ratio Lower Upper

77 100

97 22.4 11.1 33.1



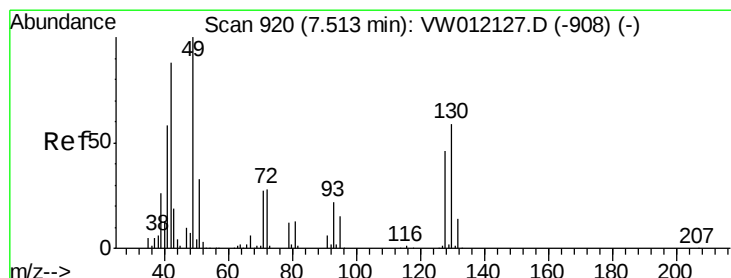
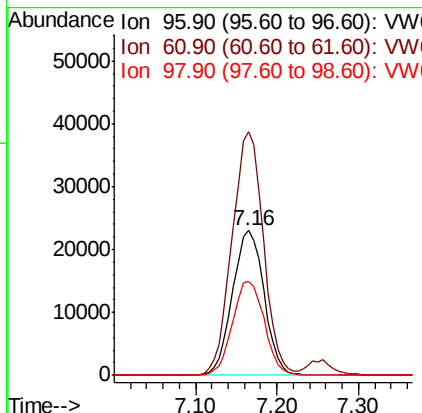
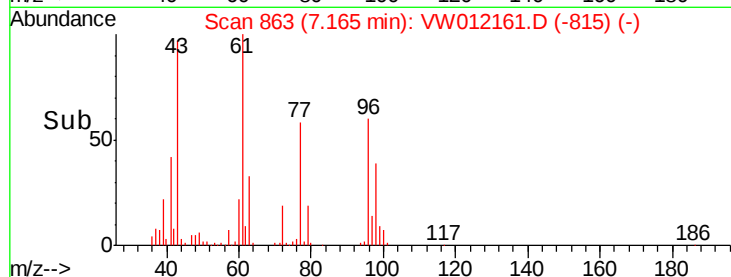
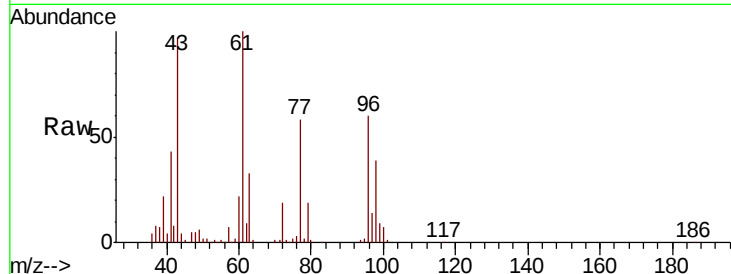


#27

cis-1,2-Dichloroethene
Concen: 19.564 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012161.D
Acq: 26 Aug 2019 10:21

Instrument :
MSVOA_W
ClientSampleId :
VW0826SBS01

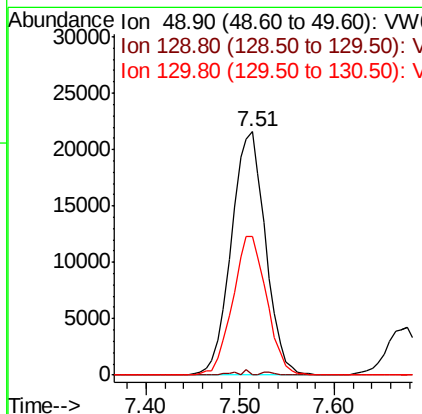
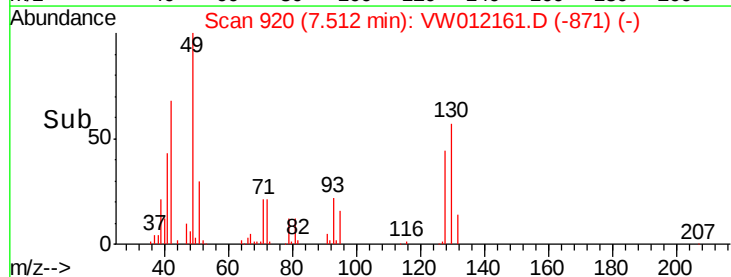
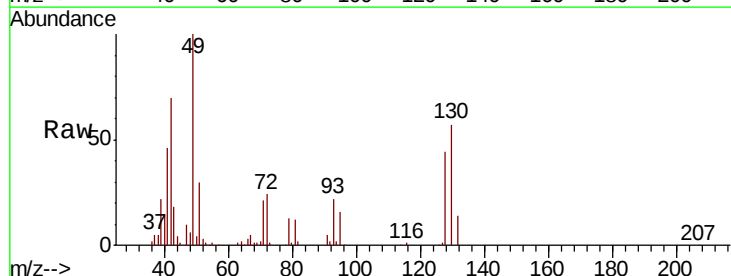
Tot Ion: 96 Resp: 61941
Ion Ratio Lower Upper
96 100
61 166.2 0.0 326.6
98 65.0 0.0 127.4

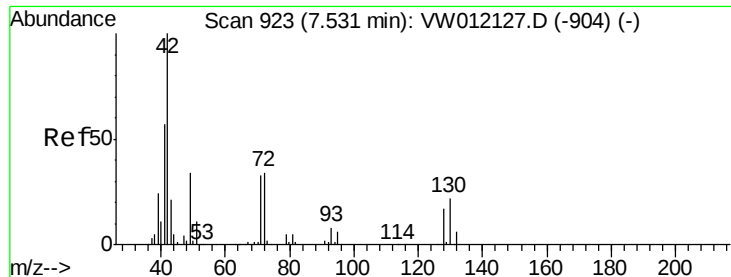


#28

Bromochloromethane
Concen: 20.948 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW012161.D
Acq: 26 Aug 2019 10:21

Tgt Ion: 49 Resp: 54438
Ion Ratio Lower Upper
49 100
129 0.5 0.0 1.4
130 56.7 45.5 68.3

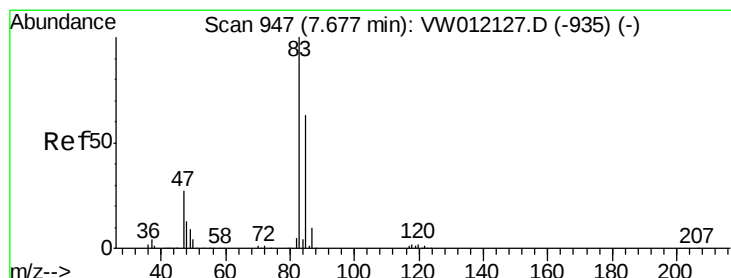
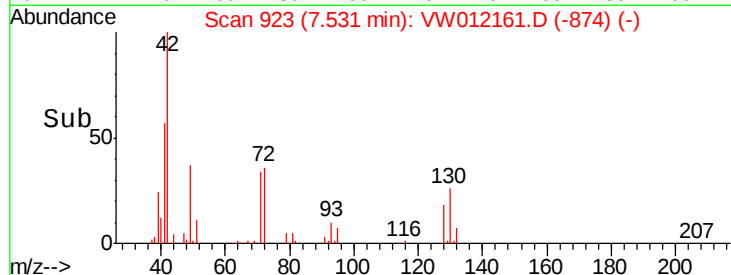
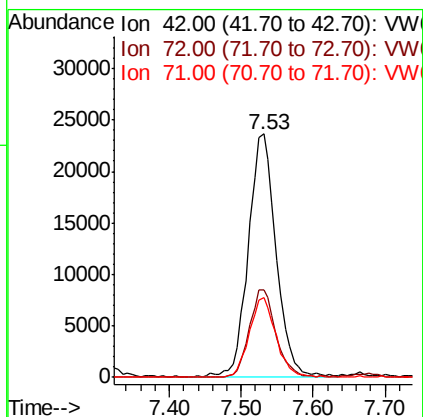
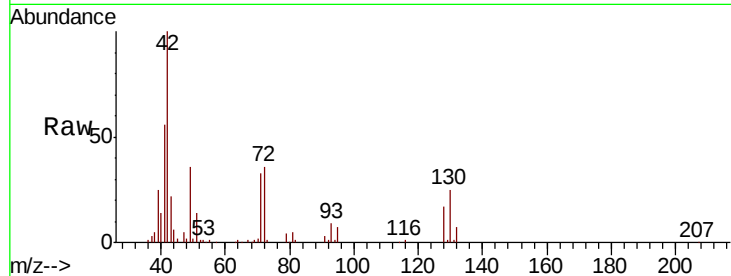




#29
Tetrahydrofuran
Concen: 92.417 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012161.D
Acq: 26 Aug 2019 10:21

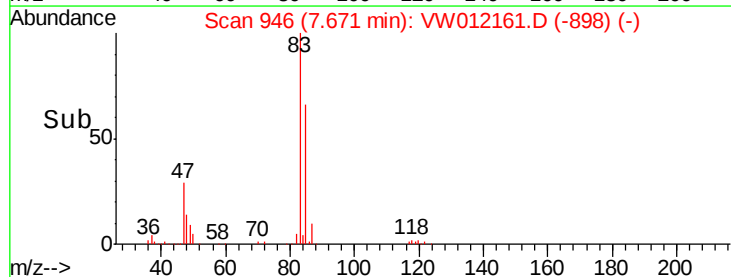
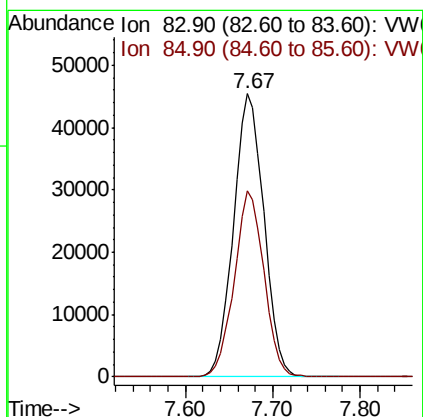
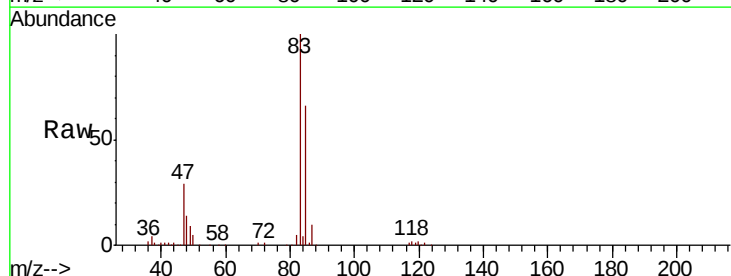
Instrument :
MSVOA_W
ClientSampleId :
VW0826SBS01

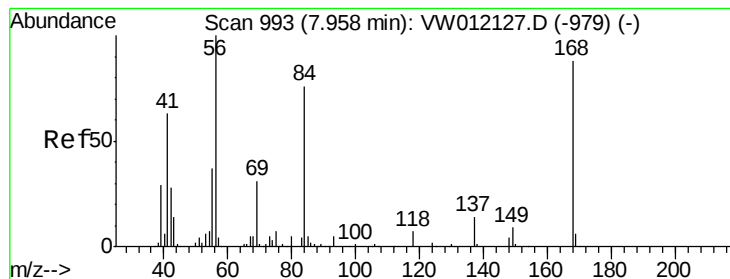
Tot Ion: 42 Resp: 63078
Ion Ratio Lower Upper
42 100
72 34.5 27.3 40.9
71 31.8 25.5 38.3



#30
Chloroform
Concen: 20.117 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012161.D
Acq: 26 Aug 2019 10:21

Tgt Ion: 83 Resp: 109738
Ion Ratio Lower Upper
83 100
85 65.9 50.6 76.0





#31

Cyclohexane

Concen: 18.452 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012161.D

Acq: 26 Aug 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBS01

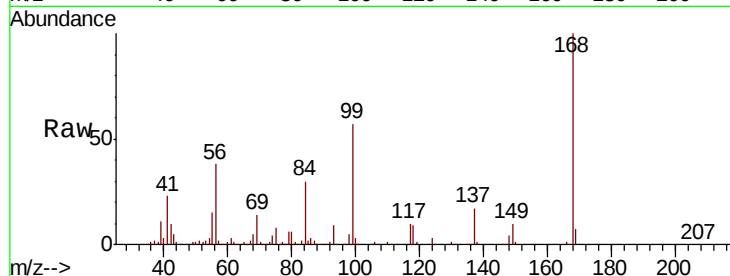
Tot Ion: 56 Resp: 108850

Ion Ratio Lower Upper

56 100

69 36.0 24.9 37.3

84 76.0 60.6 90.8

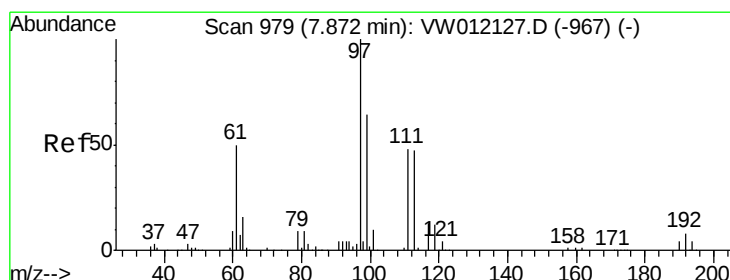
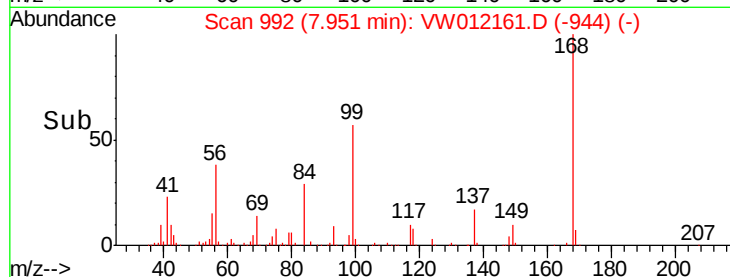
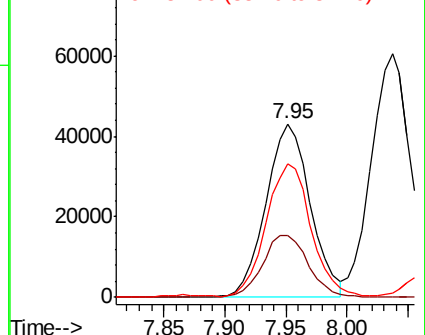


Abundance

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: 19.986 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW012161.D

Acq: 26 Aug 2019 10:21

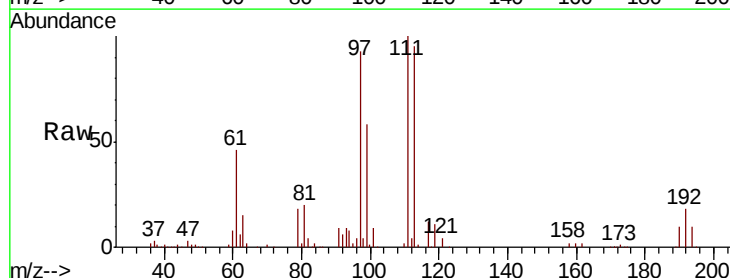
Tgt Ion: 97 Resp: 86247

Ion Ratio Lower Upper

97 100

99 64.0 51.4 77.0

61 50.3 39.5 59.3

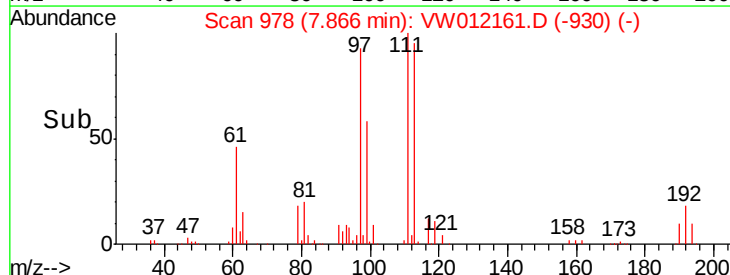
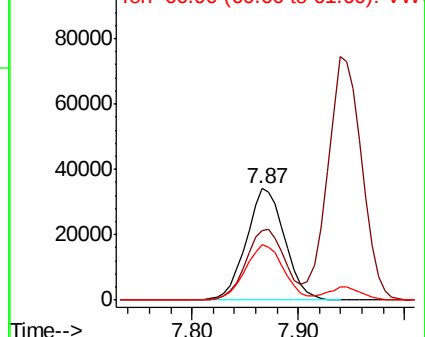


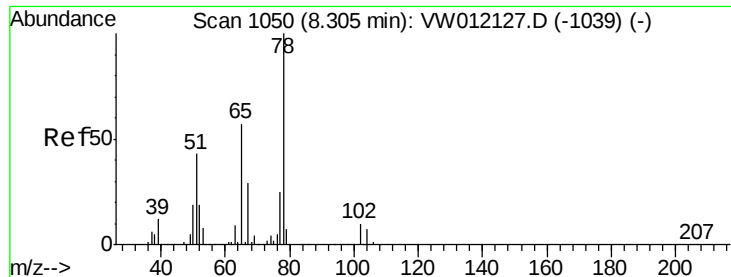
Abundance

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

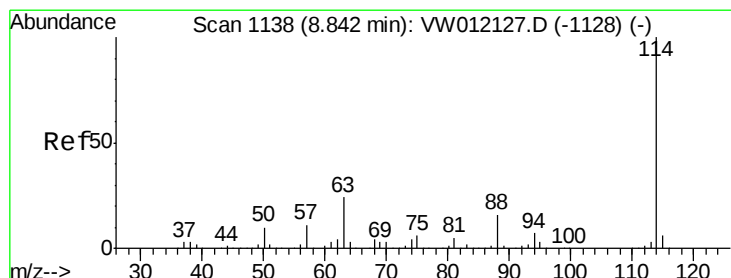
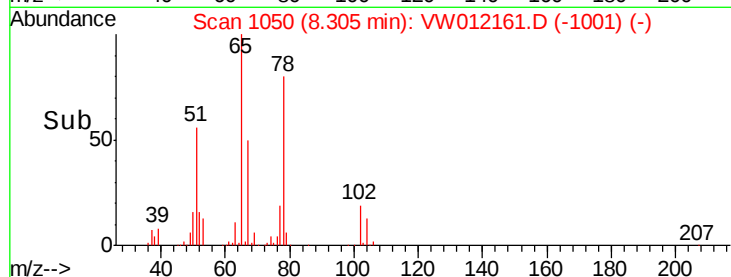
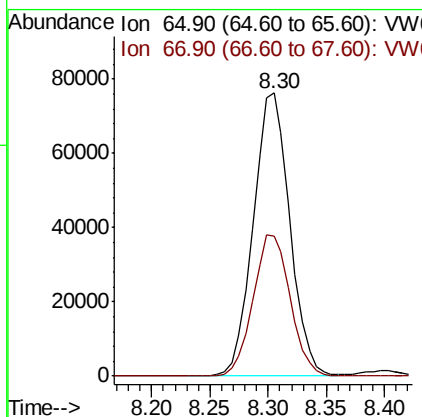
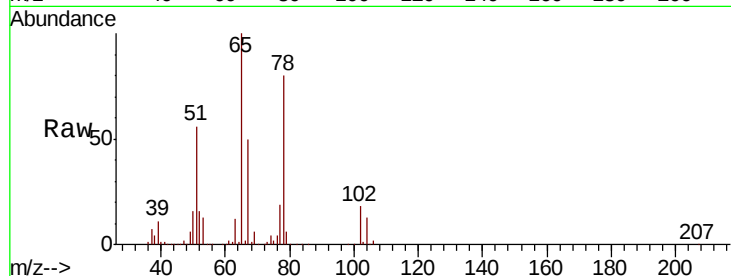




#33
 1,2-Dichloroethane-d4
 Concen: 50.939 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012161.D
 Acq: 26 Aug 2019 10:21

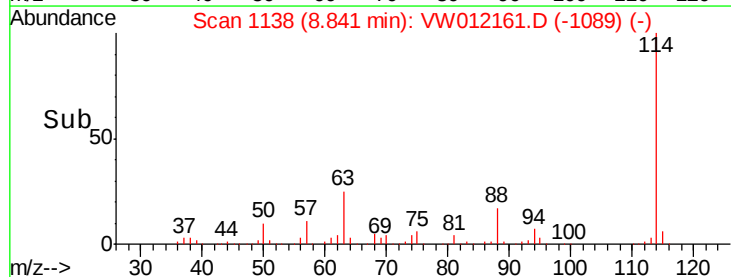
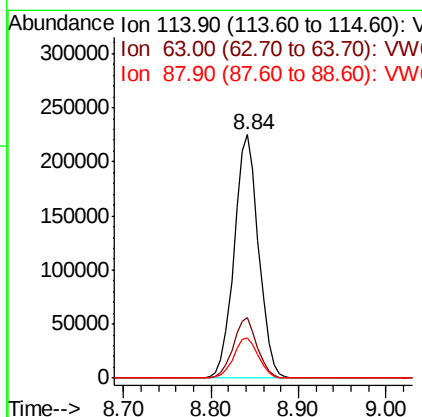
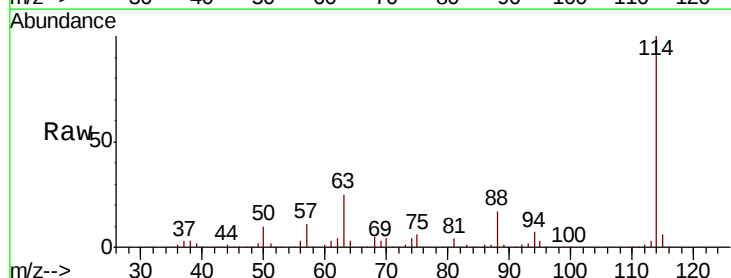
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0826SBS01

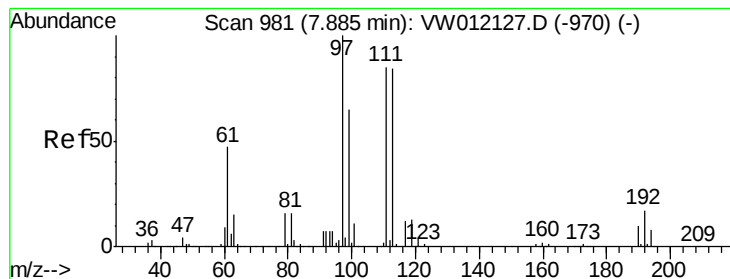
Tot Ion: 65 Resp: 166831
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012161.D
 Acq: 26 Aug 2019 10:21

Tgt Ion: 114 Resp: 436055
 Ion Ratio Lower Upper
 114 100
 63 24.8 0.0 48.6
 88 16.7 0.0 32.2





#35

Dibromofluoromethane

Concen: 51.947 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012161.D

Acq: 26 Aug 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBS01

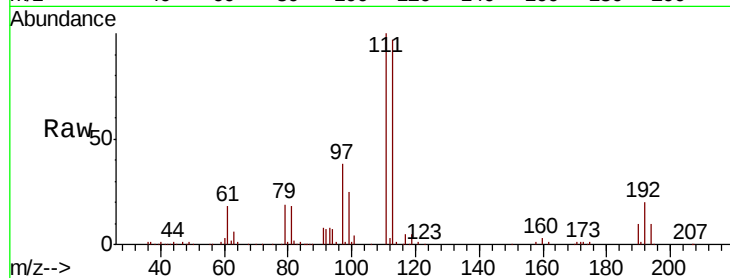
Tot Ion:113 Resp: 135209

Ion Ratio Lower Upper

113 100

111 104.5 82.7 124.1

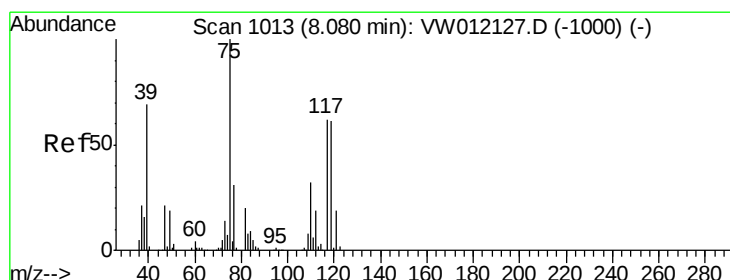
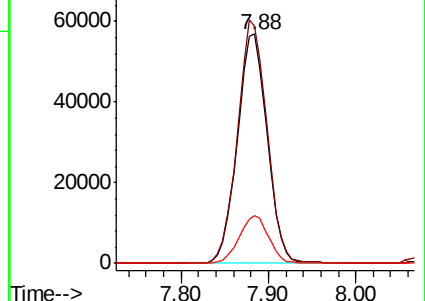
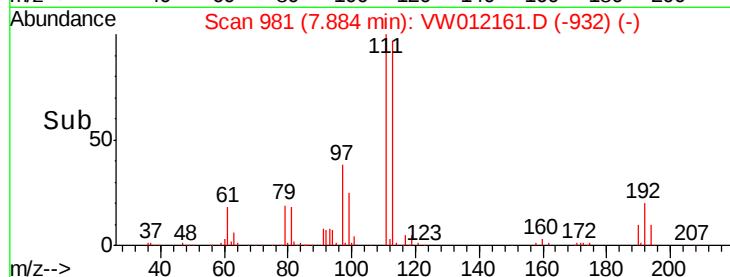
192 20.4 16.2 24.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.841 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW012161.D

Acq: 26 Aug 2019 10:21

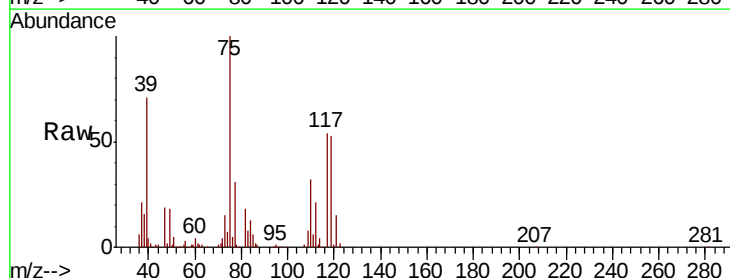
Tgt Ion: 75 Resp: 89407

Ion Ratio Lower Upper

75 100

110 31.4 15.6 46.8

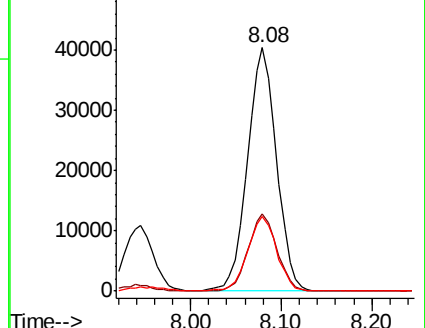
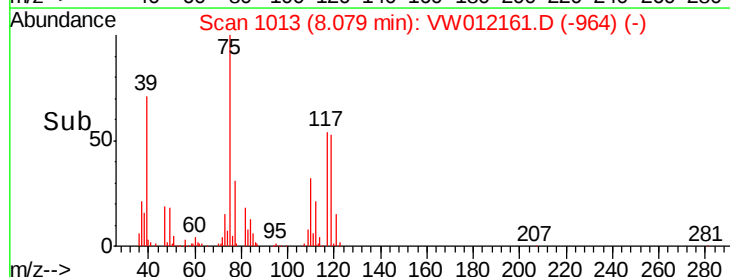
77 30.6 24.6 36.8

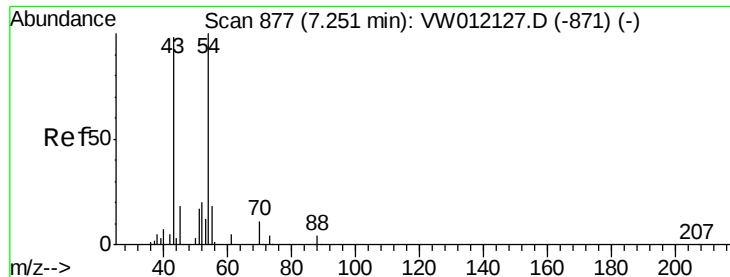


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

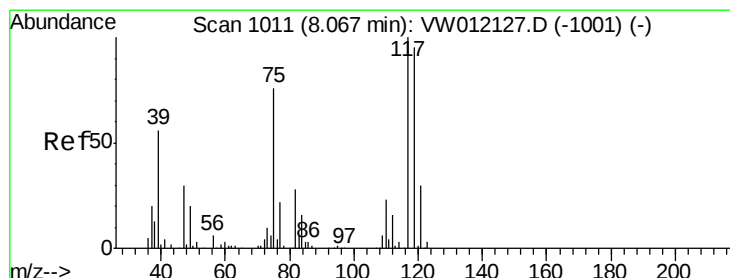
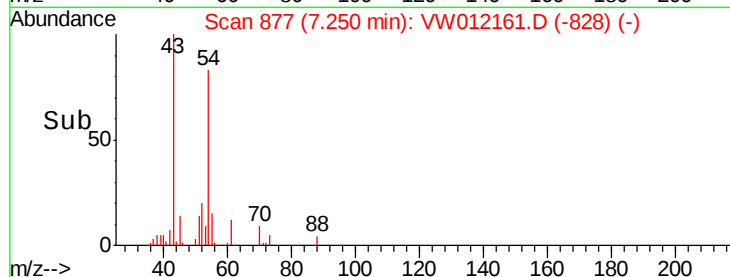
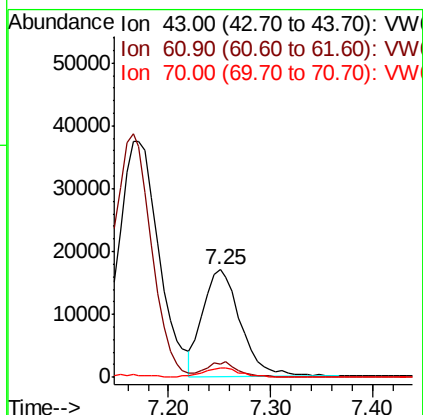
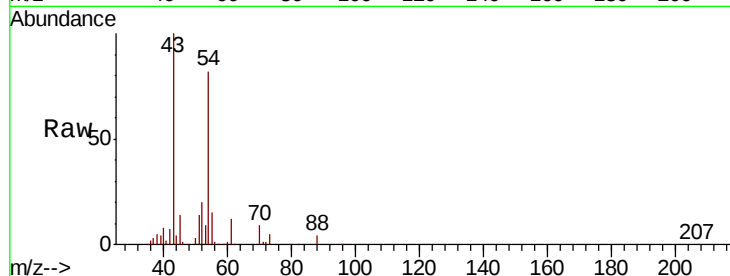




#37
Ethyl Acetate
Concen: 17.754 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012161.D
Acq: 26 Aug 2019 10:21

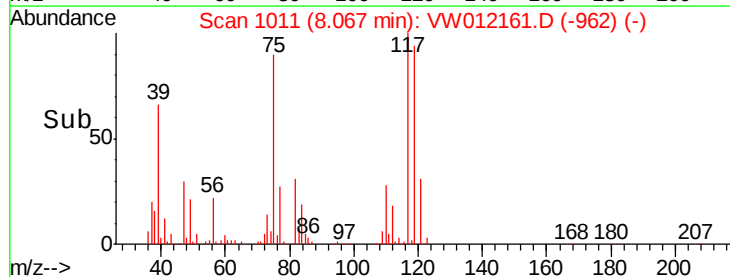
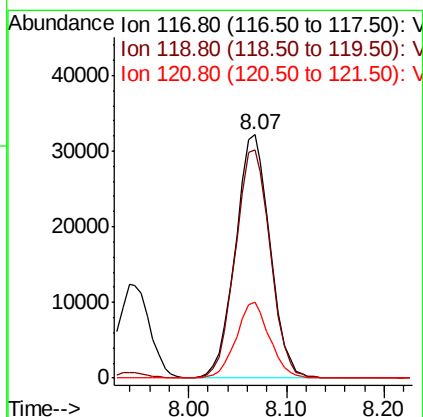
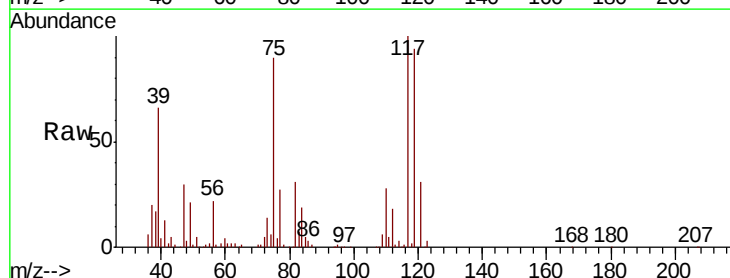
Instrument :
MSVOA_W
ClientSampleId :
VW0826SBS01

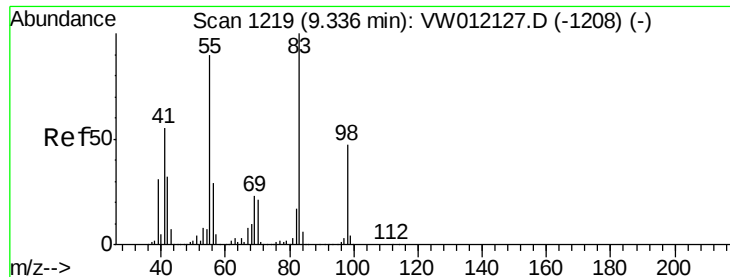
Tot Ion: 43 Resp: 43839
Ion Ratio Lower Upper
43 100
61 12.8 9.2 13.8
70 8.8 6.9 10.3



#38
Carbon Tetrachloride
Concen: 20.218 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012161.D
Acq: 26 Aug 2019 10:21

Tgt Ion: 117 Resp: 78852
Ion Ratio Lower Upper
117 100
119 93.9 76.2 114.2
121 31.3 23.8 35.8

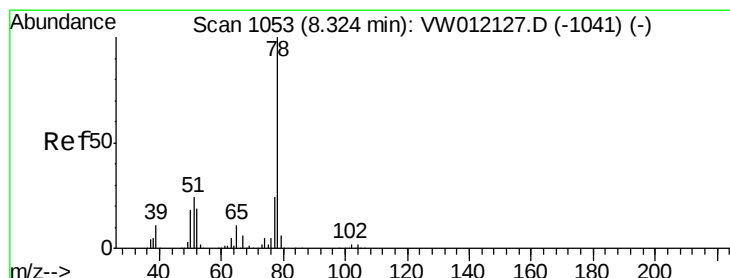
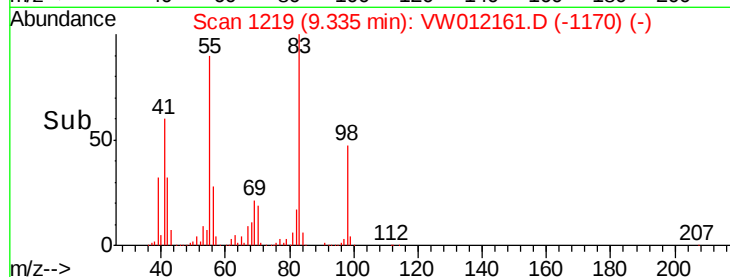
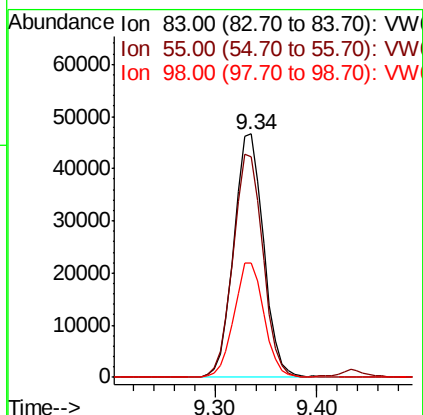
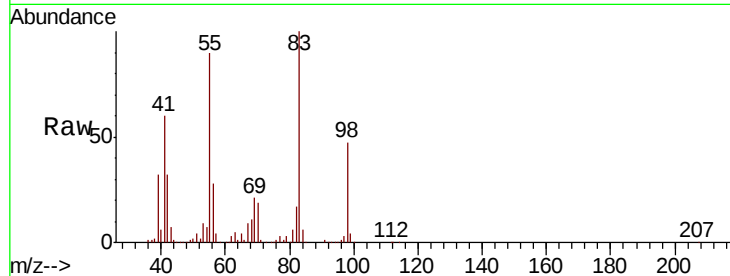




#39
Methvlcvclohexane
Concen: 18.593 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012161.D
Acq: 26 Aug 2019 10:21

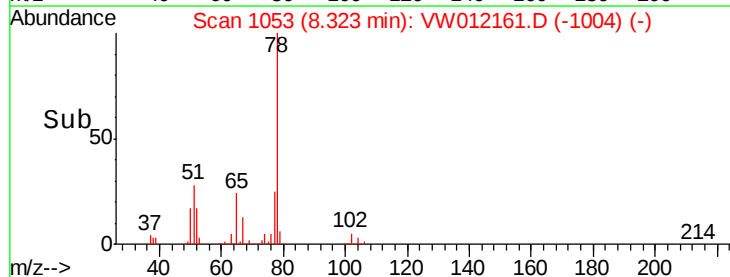
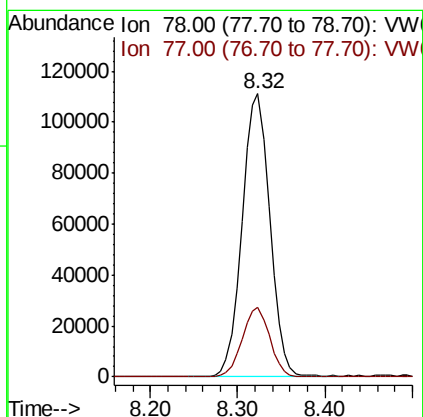
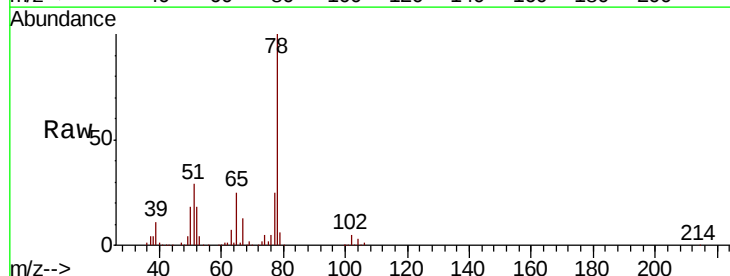
Instrument :
MSVOA_W
ClientSampleId :
VW0826SBS01

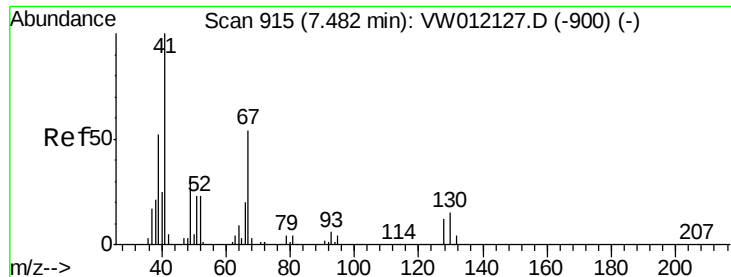
Tot Ion: 83 Resp: 94122
Ion Ratio Lower Upper
83 100
55 90.3 71.8 107.8
98 46.7 37.8 56.8



#40
Benzene
Concen: 19.912 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012161.D
Acq: 26 Aug 2019 10:21

Tgt Ion: 78 Resp: 245002
Ion Ratio Lower Upper
78 100
77 24.8 19.5 29.3





#41

Methacrylonitrile

Concen: 20.595 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW012161.D

Acq: 26 Aug 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBS01

Tot Ion: 41 Resp: 29889

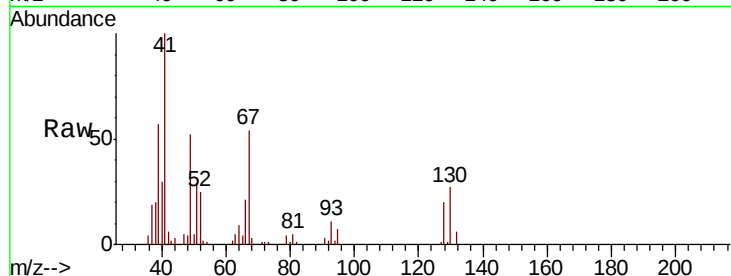
Ion Ratio Lower Upper

41 100

39 51.2 45.8 68.8

67 52.5 46.2 69.4

52 23.6 21.0 31.6

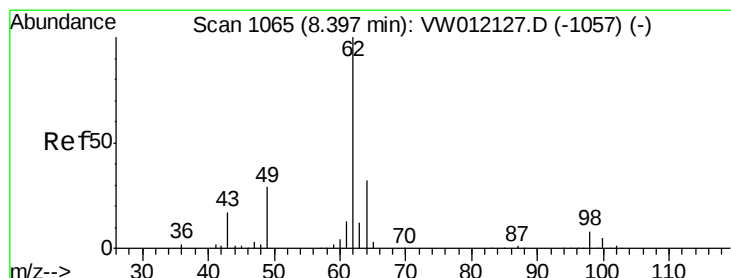
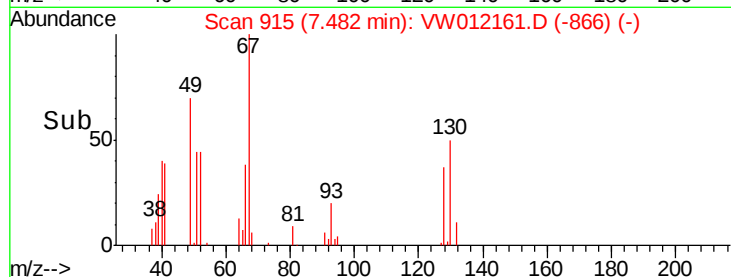
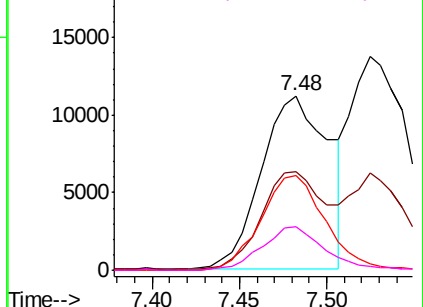


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 20.040 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW012161.D

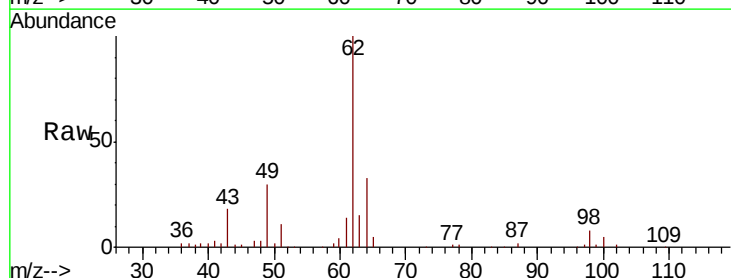
Acq: 26 Aug 2019 10:21

Tgt Ion: 62 Resp: 77281

Ion Ratio Lower Upper

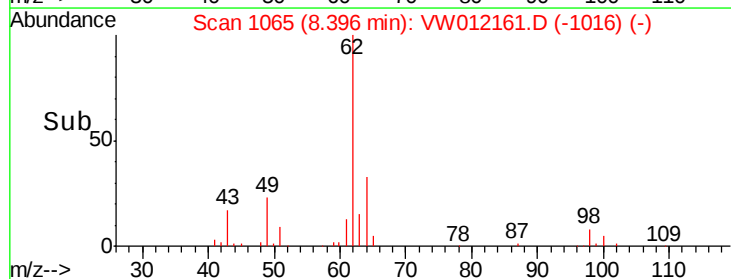
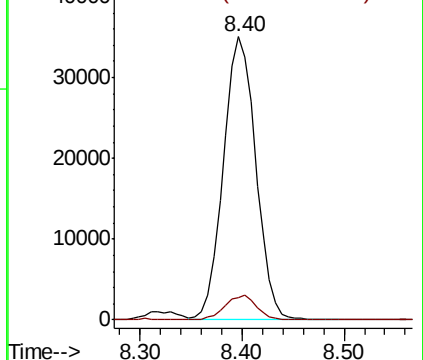
62 100

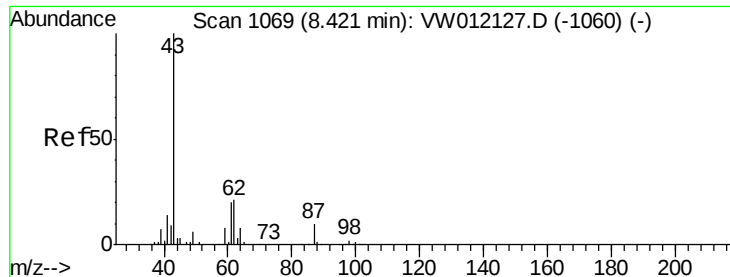
98 8.5 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 18.669 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012161.D

Acq: 26 Aug 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBS01

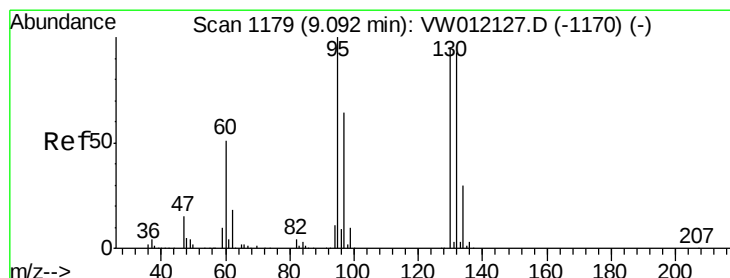
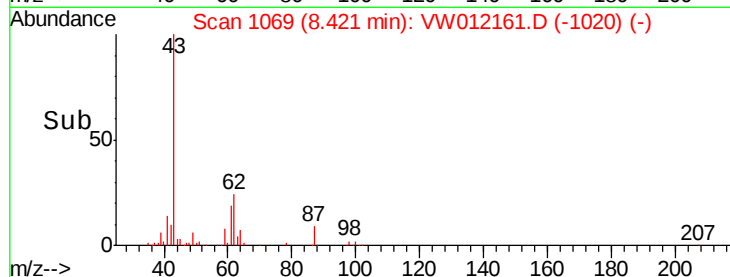
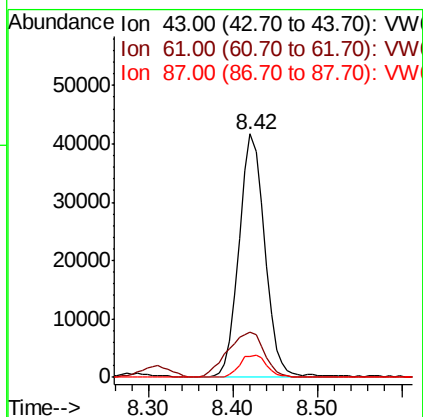
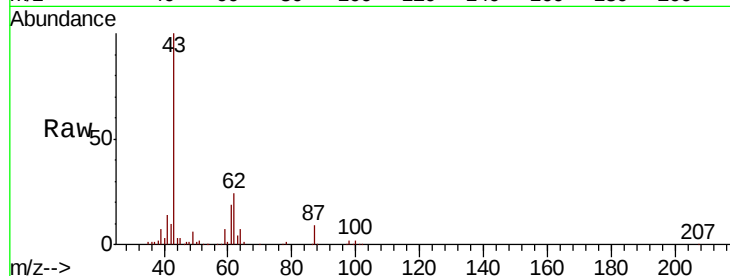
Tot Ion: 43 Resp: 85388

Ion Ratio Lower Upper

43 100

61 27.2 21.1 31.7

87 10.0 8.2 12.2



#44

Trichloroethene

Concen: 19.900 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW012161.D

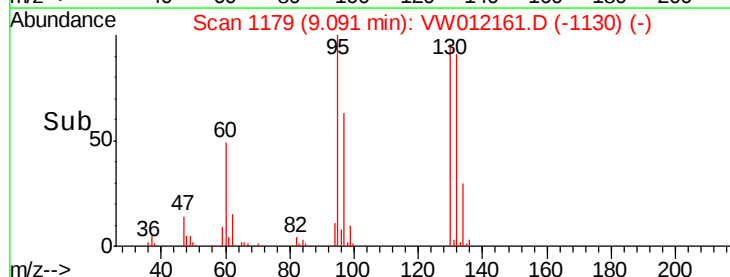
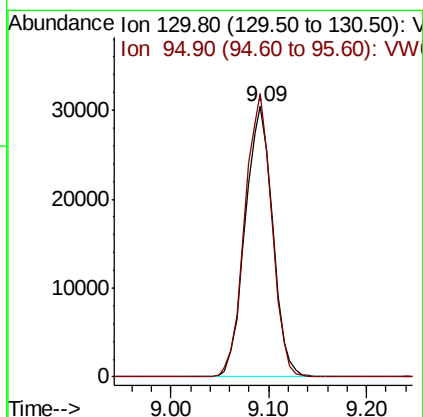
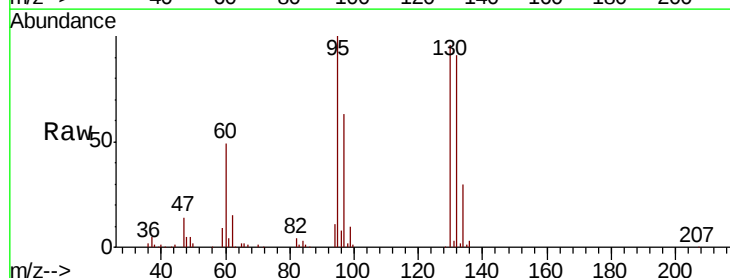
Acq: 26 Aug 2019 10:21

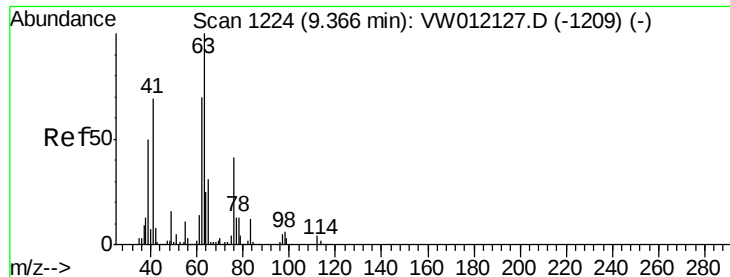
Tgt Ion: 130 Resp: 59524

Ion Ratio Lower Upper

130 100

95 104.7 0.0 210.6

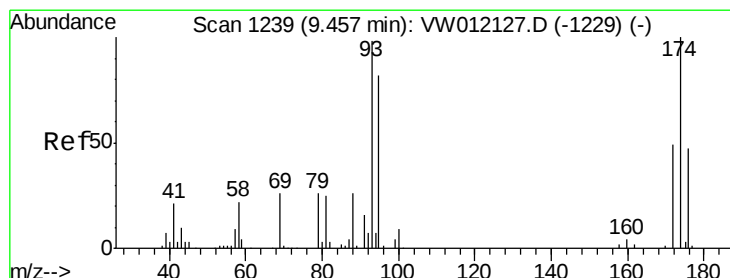
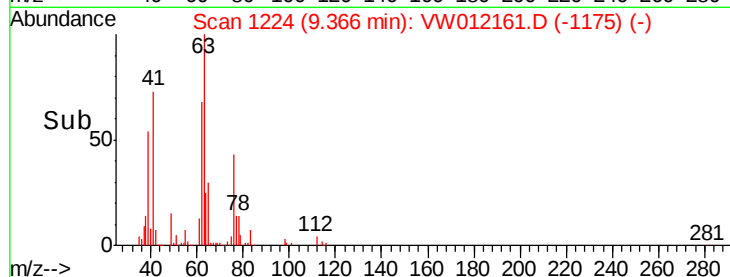
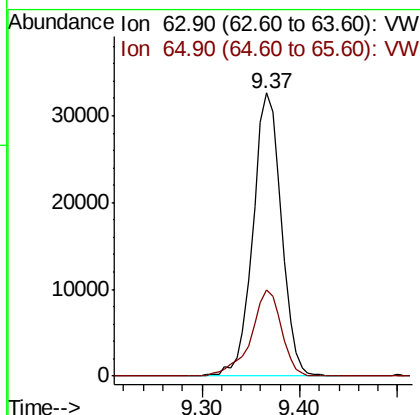
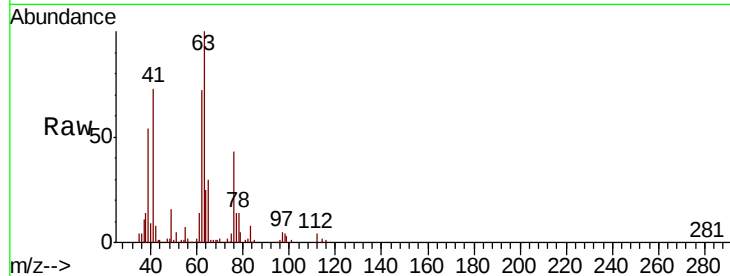




#45
 1,2-Dichloropropane
 Concen: 19.832 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012161.D
 Acq: 26 Aug 2019 10:21

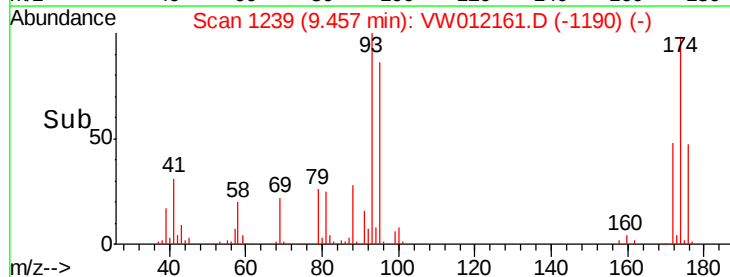
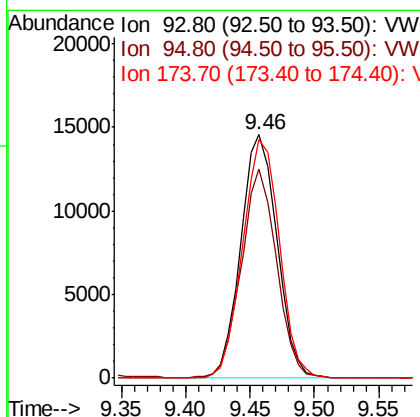
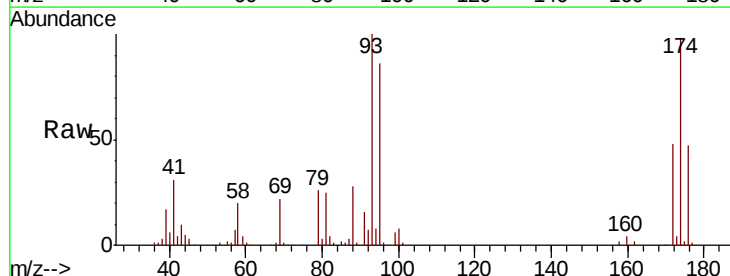
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0826SBS01

Tot Ion: 63 Resp: 65672
 Ion Ratio Lower Upper
 63 100
 65 30.4 25.0 37.4



#46
 Dibromomethane
 Concen: 19.286 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012161.D
 Acq: 26 Aug 2019 10:21

Tgt Ion: 93 Resp: 28416
 Ion Ratio Lower Upper
 93 100
 95 83.5 67.2 100.8
 174 99.2 79.0 118.6





#47

Bromodichloromethane

Concen: 19.736 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012161.D

Acq: 26 Aug 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBS01

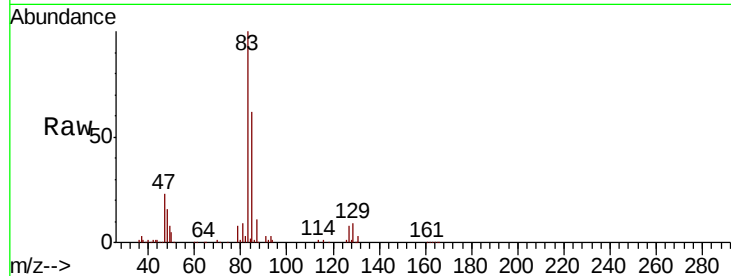
Tot Ion: 83 Resp: 77389

Ion Ratio Lower Upper

83 100

85 62.4 49.4 74.2

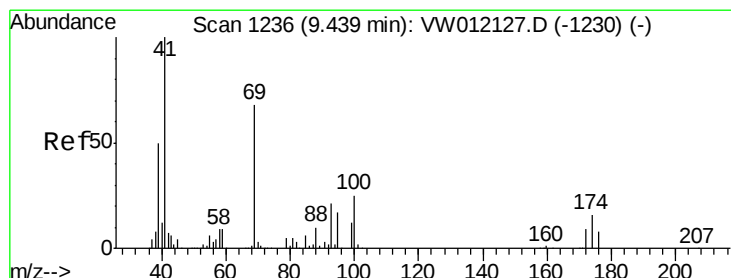
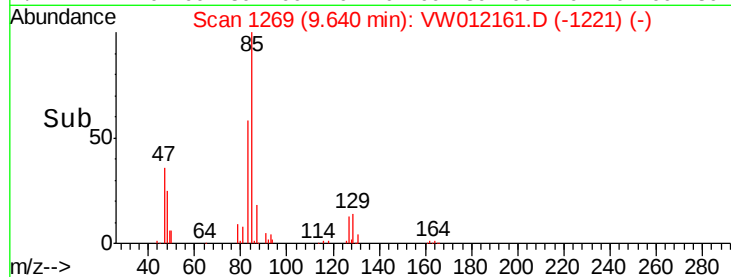
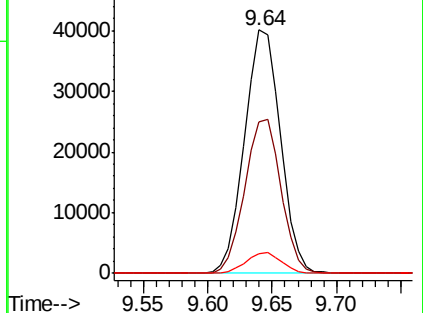
127 7.9 6.1 9.1



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: 18.340 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW012161.D

Acq: 26 Aug 2019 10:21

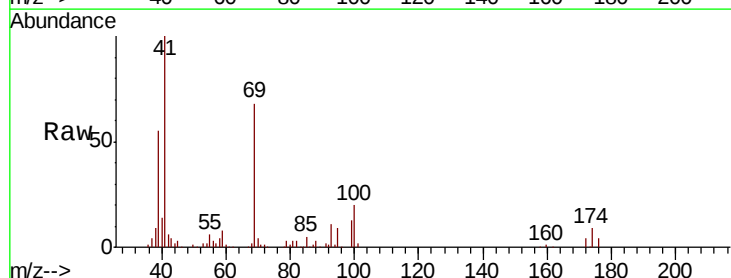
Tgt Ion: 41 Resp: 39925

Ion Ratio Lower Upper

41 100

69 73.7 56.7 85.1

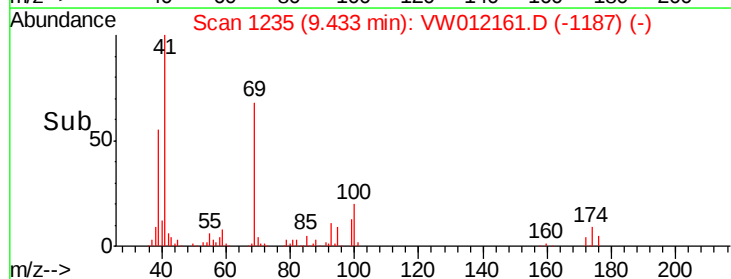
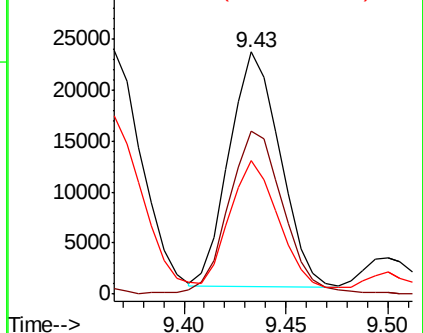
39 56.1 42.0 63.0

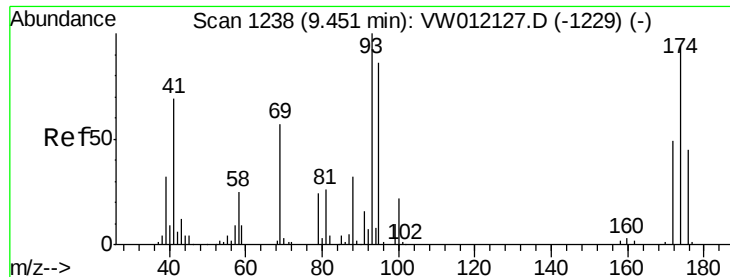


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 375.739 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW012161.D

Acq: 26 Aug 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBS01

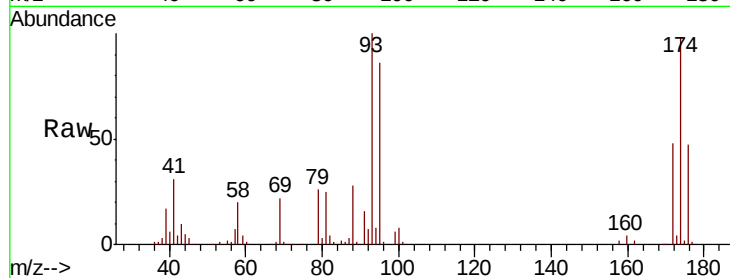
Tot Ion: 88 Resp: 8475

Ion Ratio Lower Upper

88 100

43 0.0 32.9 49.3#

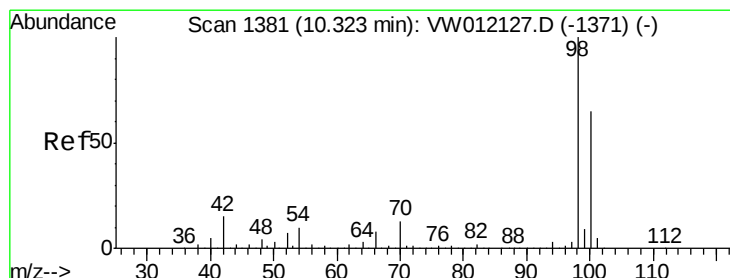
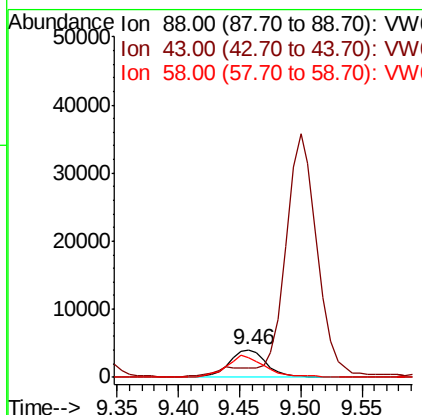
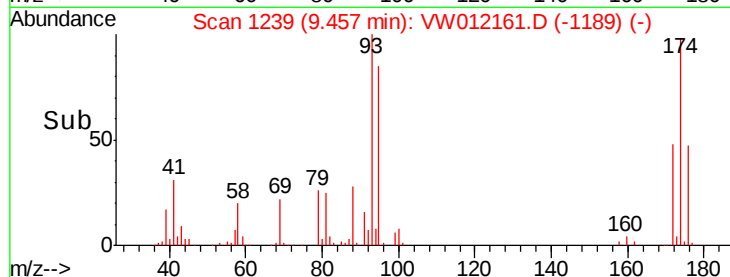
58 84.2 71.0 106.4



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: 53.182 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012161.D

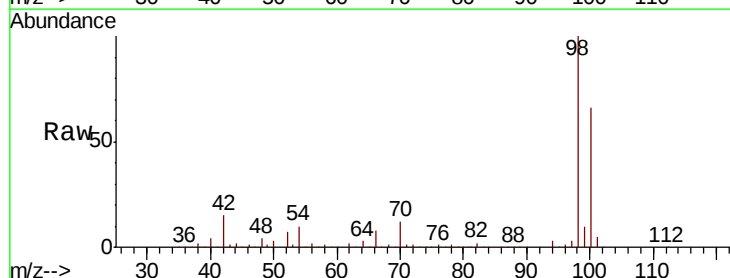
Acq: 26 Aug 2019 10:21

Tgt Ion: 98 Resp: 561271

Ion Ratio Lower Upper

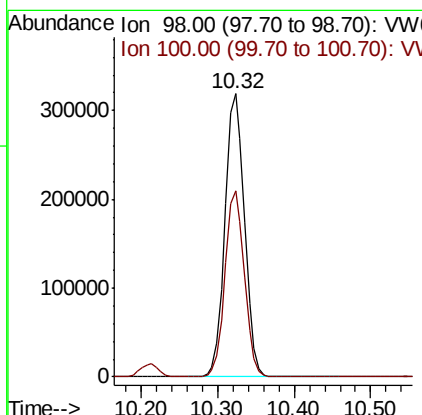
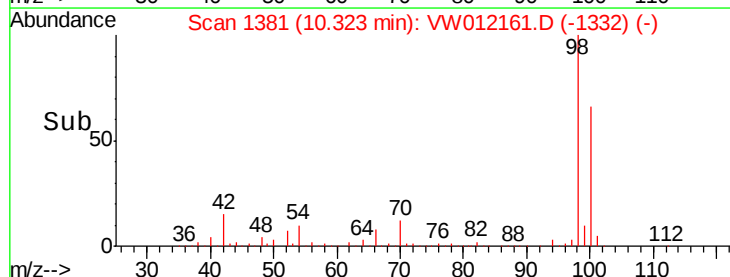
98 100

100 65.2 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: 92.788 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012161.D

Acq: 26 Aug 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

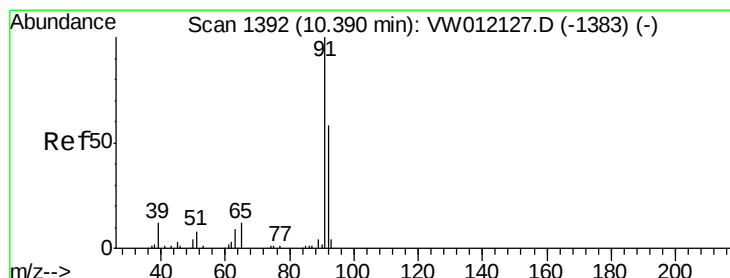
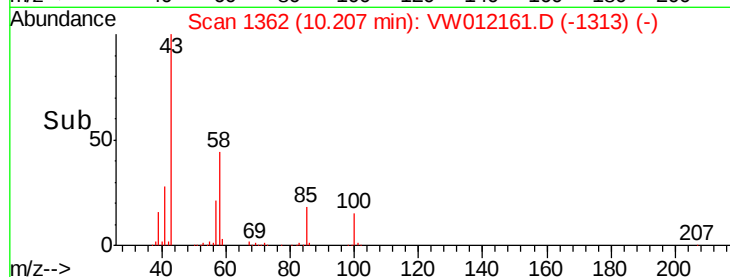
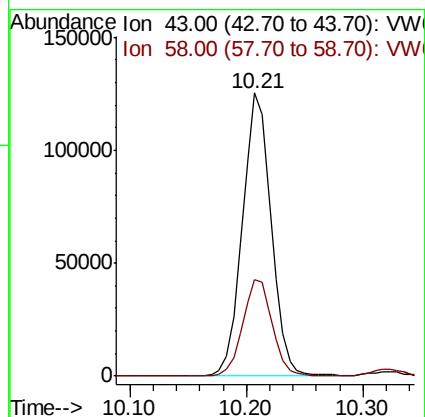
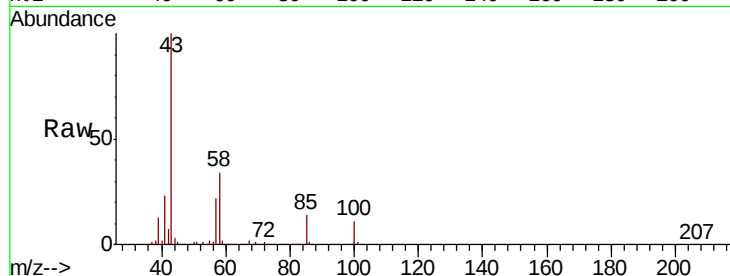
VW0826SBS01

Tot Ion: 43 Resp: 215865

Ion Ratio Lower Upper

43 100

58 34.9 28.2 42.2



#52

Toluene

Concen: 20.067 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012161.D

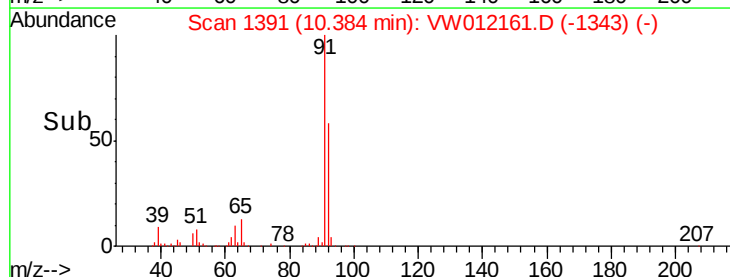
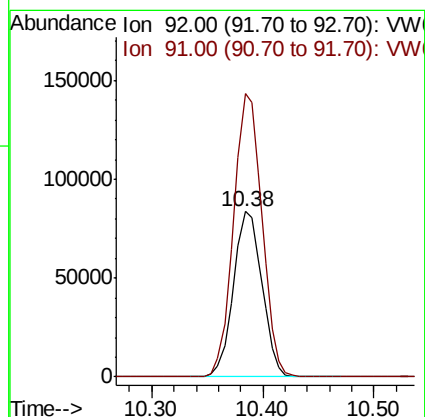
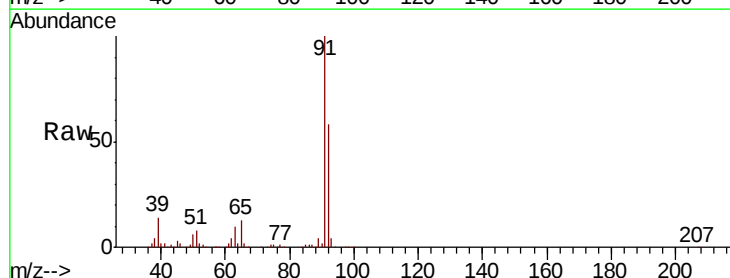
Acq: 26 Aug 2019 10:21

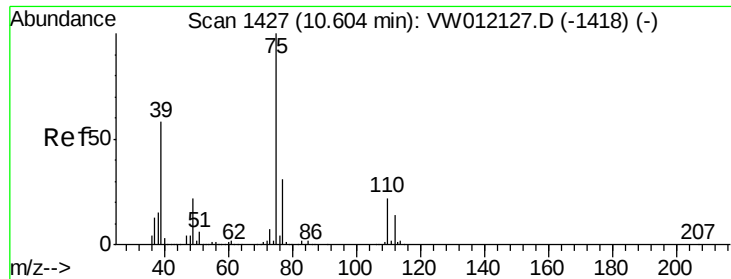
Tgt Ion: 92 Resp: 148327

Ion Ratio Lower Upper

92 100

91 170.8 136.6 204.8





#53

t-1,3-Dichloropropene

Concen: 19.612 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012161.D

Acq: 26 Aug 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

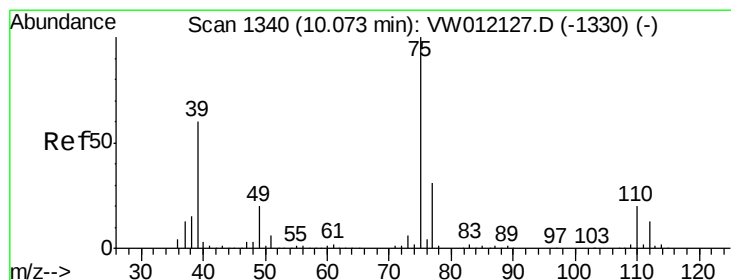
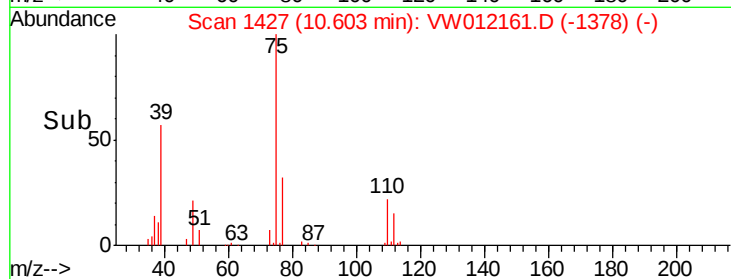
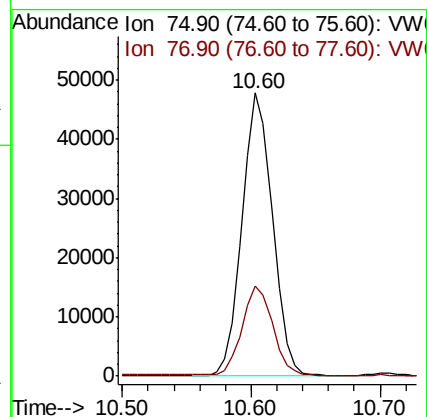
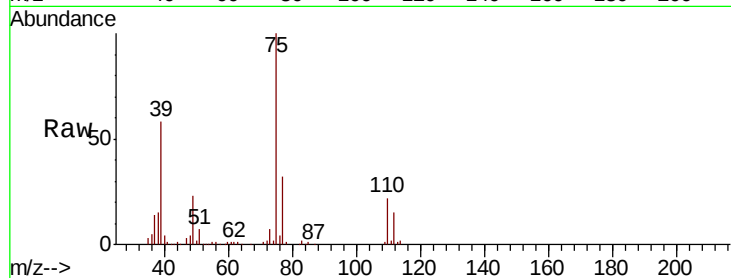
VW0826SBS01

Tot Ion: 75 Resp: 78335

Ion Ratio Lower Upper

75 100

77 31.5 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 19.472 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012161.D

Acq: 26 Aug 2019 10:21

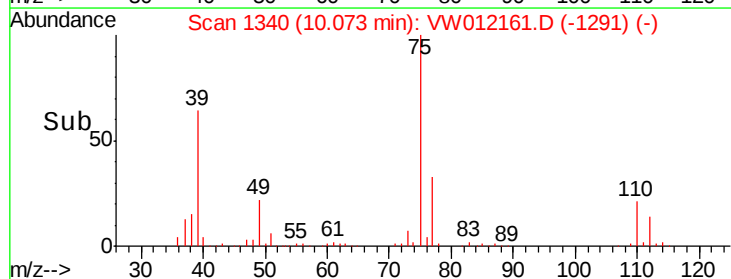
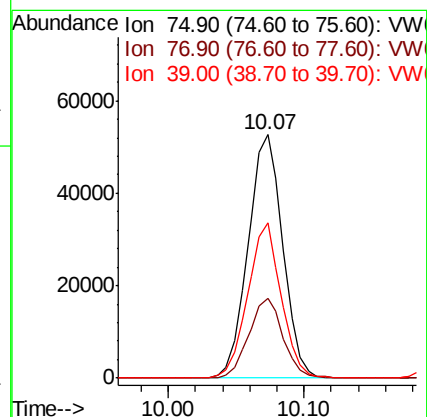
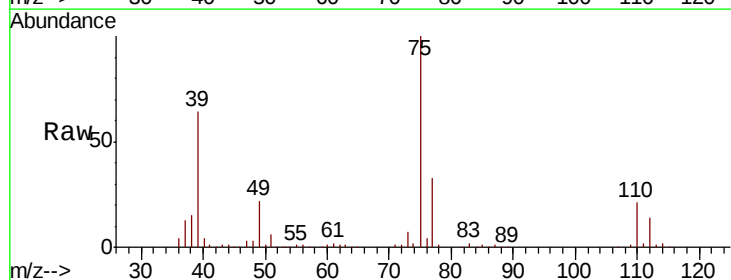
Tgt Ion: 75 Resp: 93909

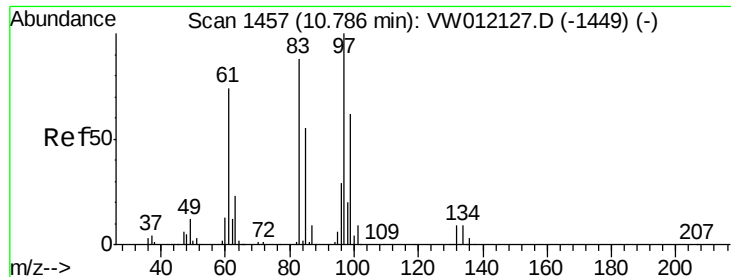
Ion Ratio Lower Upper

75 100

77 32.9 25.1 37.7

39 63.8 48.3 72.5





#55

1,1,2-Trichloroethane

Concen: 19.763 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW012161.D

Acq: 26 Aug 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBS01

Tot Ion: 97 Resp: 41199

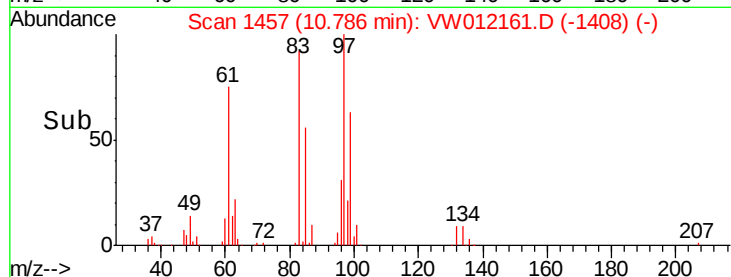
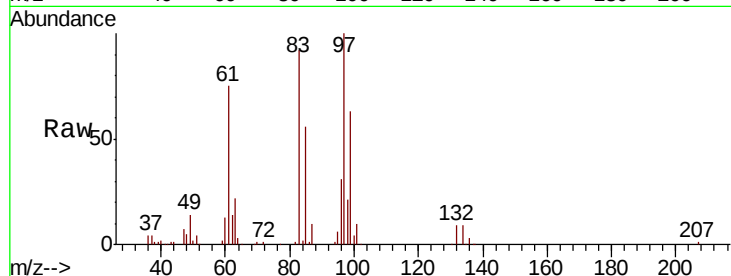
Ion	Ratio	Lower	Upper
97	100		
83	91.9	70.8	106.2
85	56.4	43.8	65.8
99	63.0	49.8	74.6

97 100

83 91.9 70.8 106.2

85 56.4 43.8 65.8

99 63.0 49.8 74.6



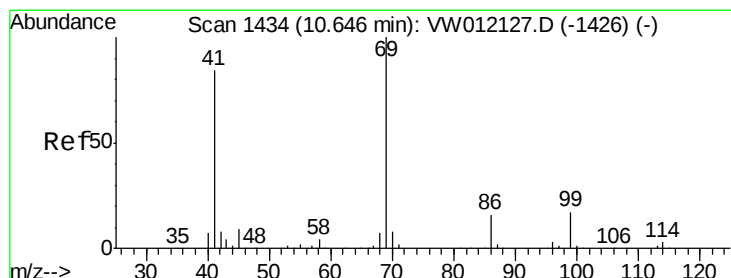
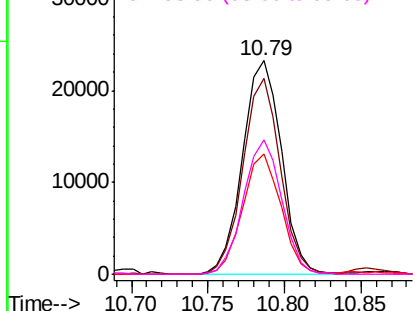
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 18.863 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW012161.D

Acq: 26 Aug 2019 10:21

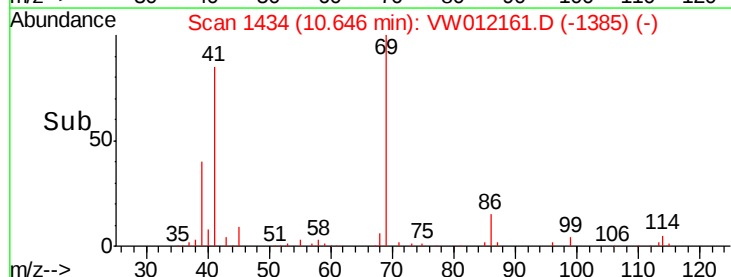
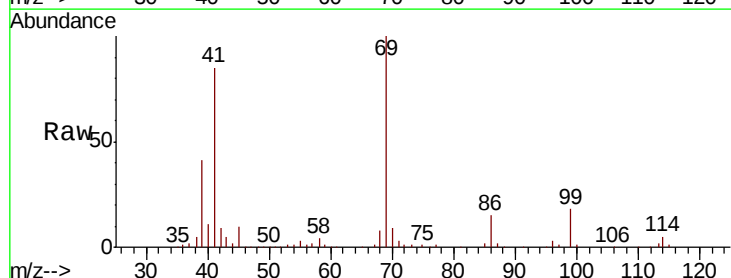
Tgt Ion: 69 Resp: 57230

Ion	Ratio	Lower	Upper
69	100		
41	82.0	66.5	99.7
39	38.1	31.0	46.4

69 100

41 82.0 66.5 99.7

39 38.1 31.0 46.4

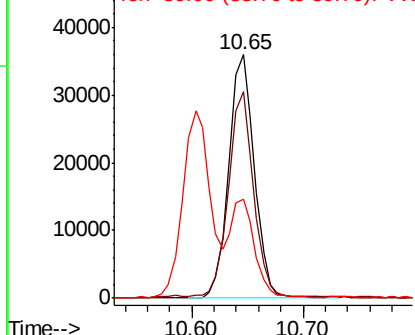


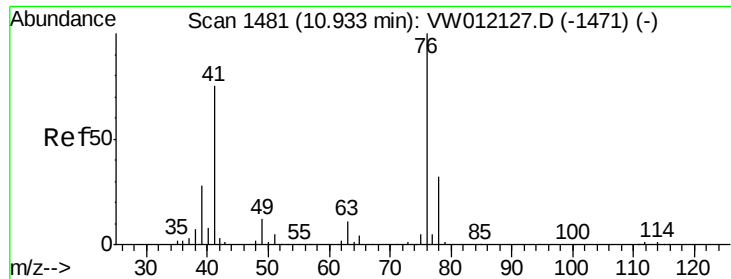
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

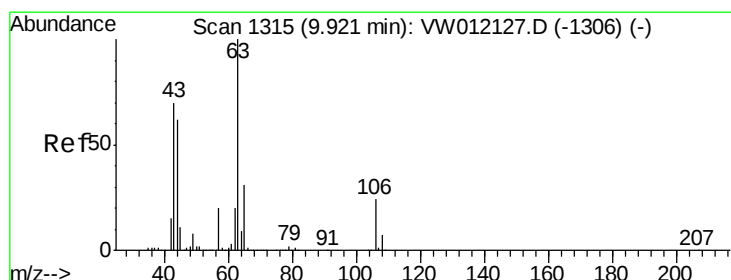
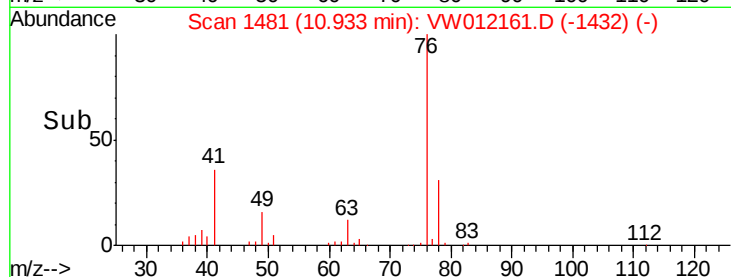
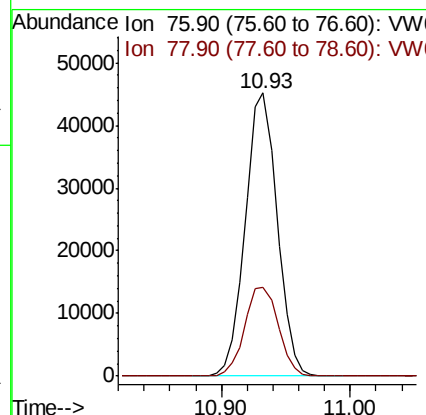
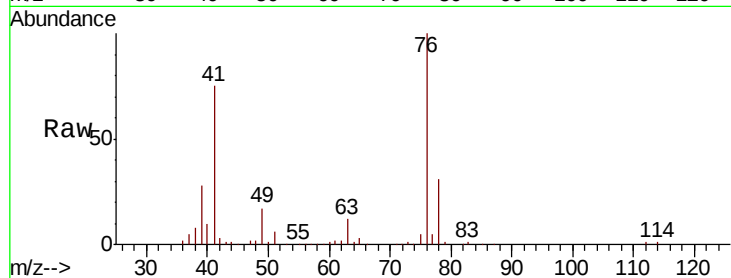




#57
 1,3-Dichloropropane
 Concen: 19.593 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012161.D
 Acq: 26 Aug 2019 10:21

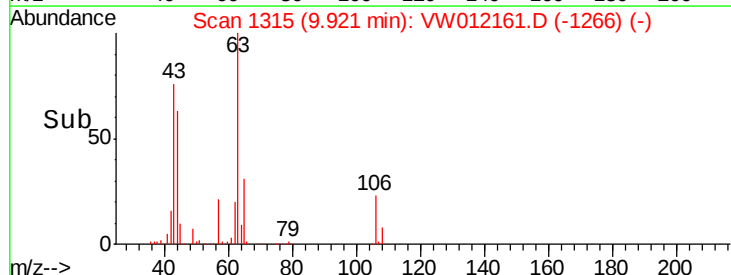
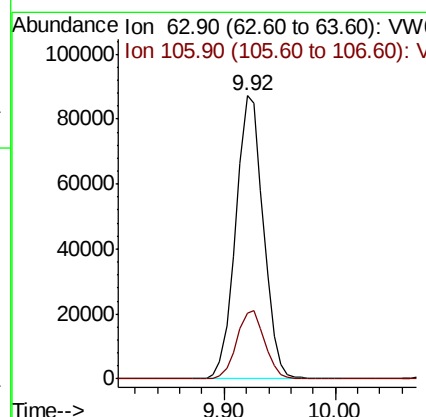
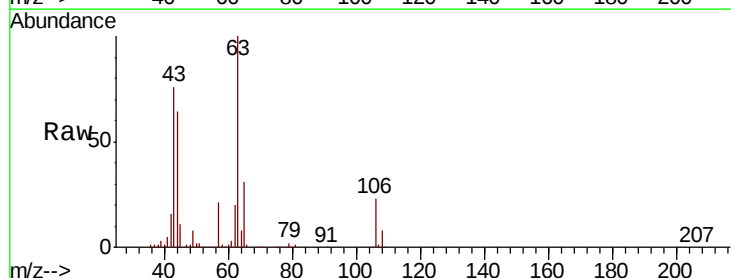
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0826SBS01

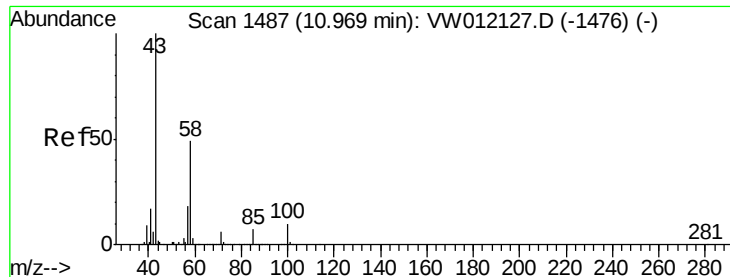
Tot Ion: 76 Resp: 77185
 Ion Ratio Lower Upper
 76 100
 78 33.3 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.119 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012161.D
 Acq: 26 Aug 2019 10:21

Tgt Ion: 63 Resp: 149667
 Ion Ratio Lower Upper
 63 100
 106 24.2 19.8 29.8

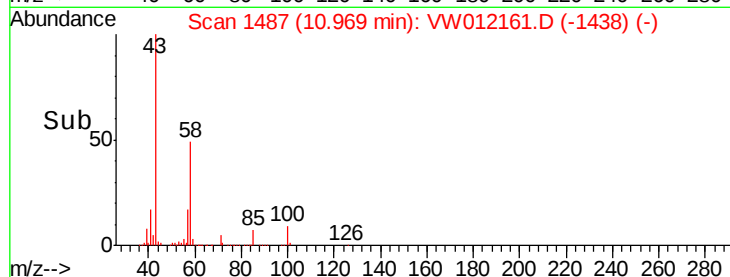
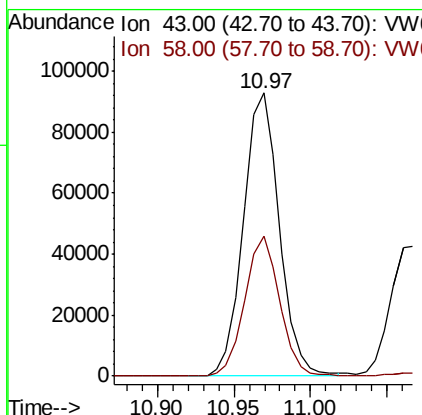
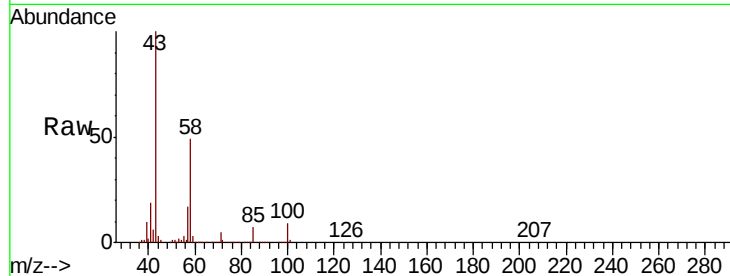




#59
2-Hexanone
Concen: 91.560 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012161.D
Acq: 26 Aug 2019 10:21

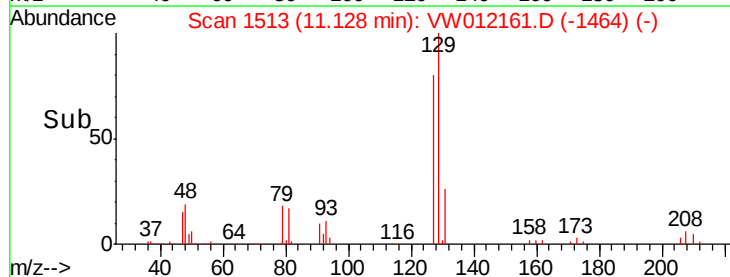
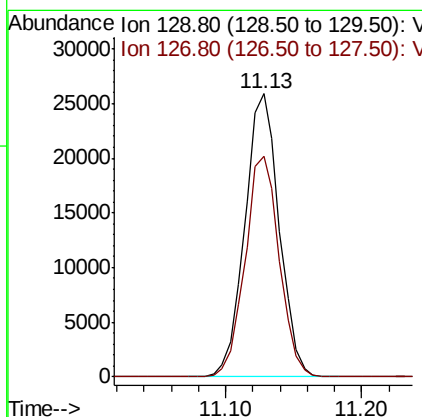
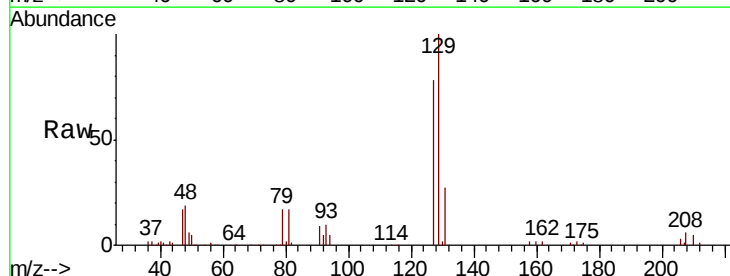
Instrument :
MSVOA_W
ClientSampleId :
VW0826SBS01

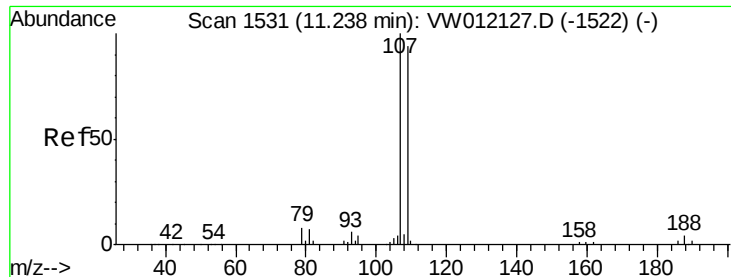
Tot Ion: 43 Resp: 150716
Ion Ratio Lower Upper
43 100
58 48.4 24.3 72.9



#60
Dibromochloromethane
Concen: 19.687 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012161.D
Acq: 26 Aug 2019 10:21

Tgt Ion: 129 Resp: 45711
Ion Ratio Lower Upper
129 100
127 77.7 38.6 115.8





#61

1,2-Dibromoethane

Concen: 19.682 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW012161.D

Acq: 26 Aug 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

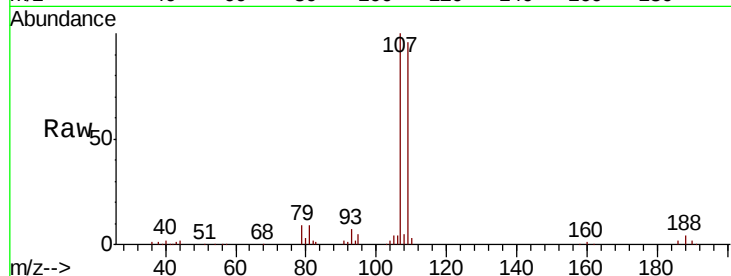
VW0826SBS01

Tot Ion:107 Resp: 38224

Ion Ratio Lower Upper

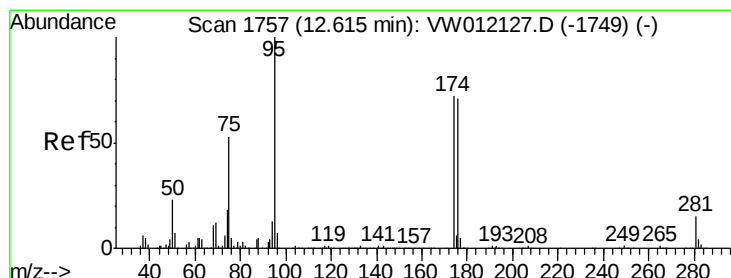
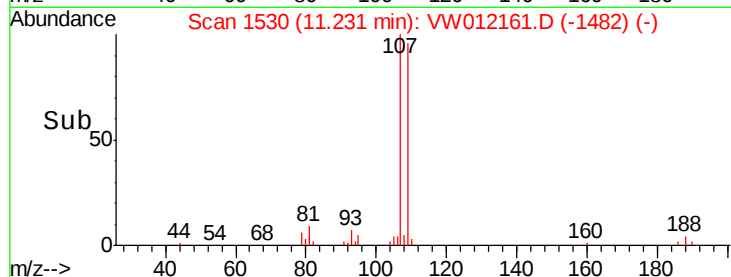
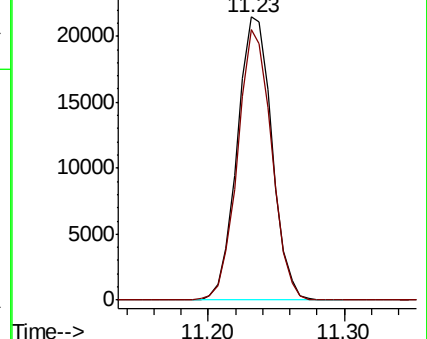
107 100

109 93.3 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.294 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012161.D

Acq: 26 Aug 2019 10:21

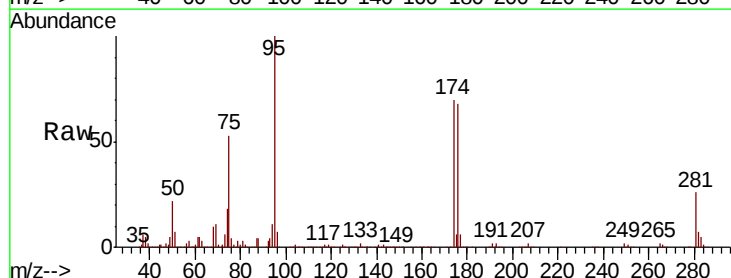
Tgt Ion: 95 Resp: 194542

Ion Ratio Lower Upper

95 100

174 75.1 0.0 150.8

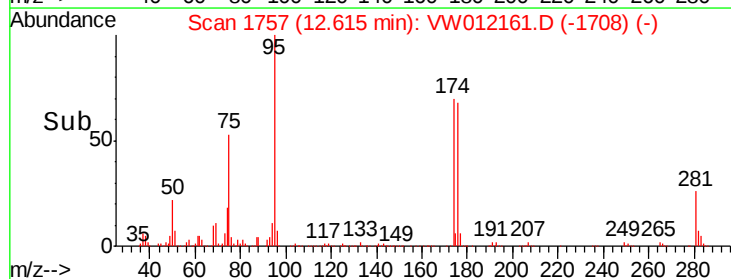
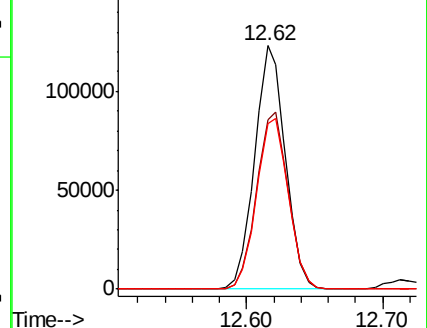
176 73.1 0.0 148.6

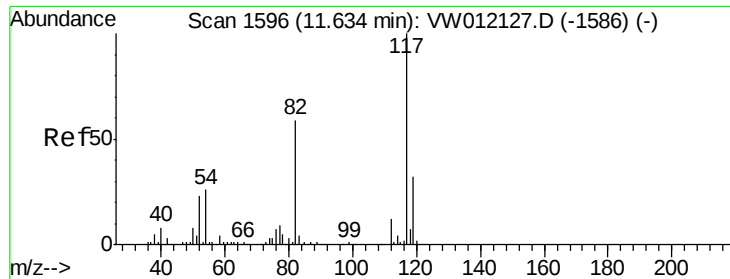


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

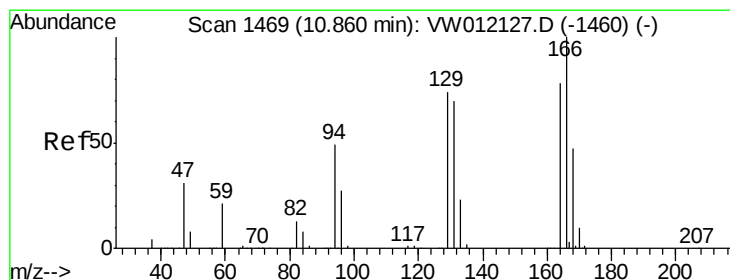
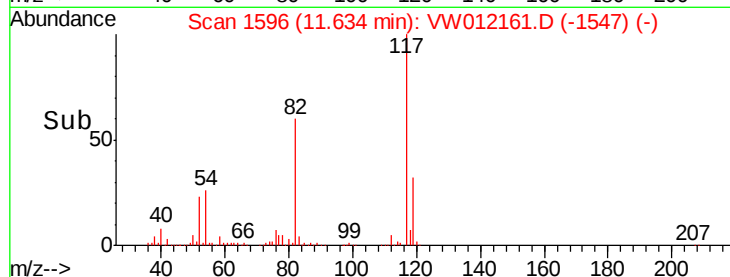
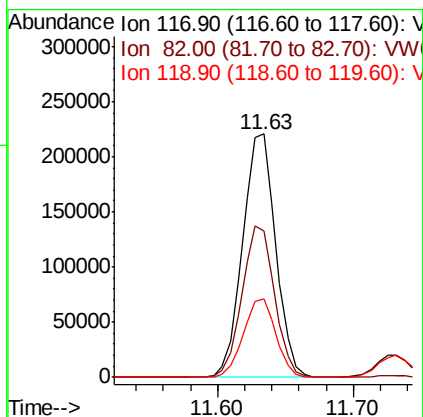
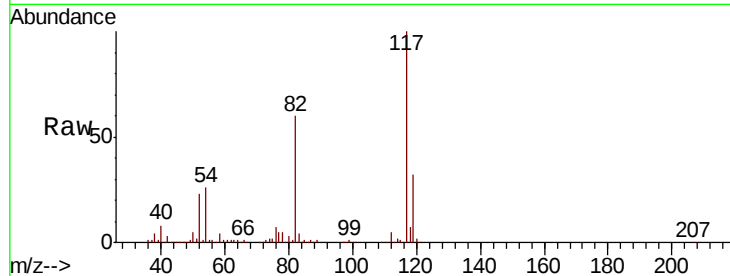




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012161.D
Acq: 26 Aug 2019 10:21

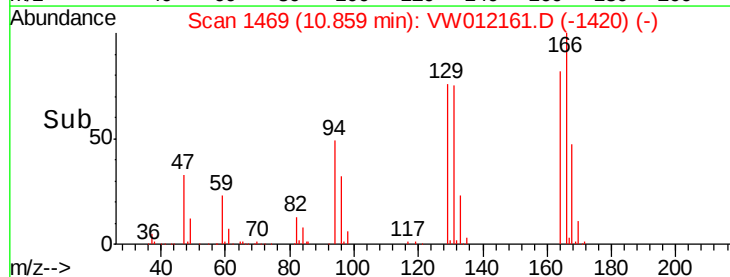
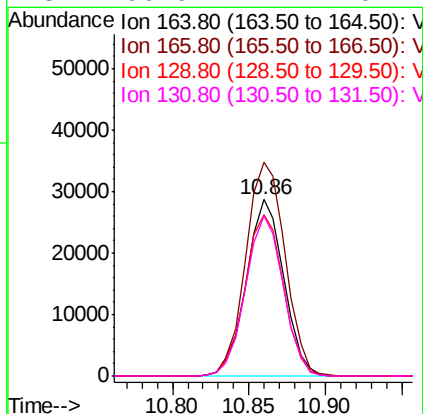
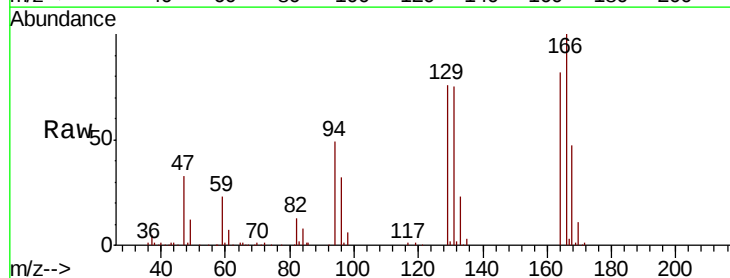
Instrument :
MSVOA_W
ClientSampleId :
VW0826SBS01

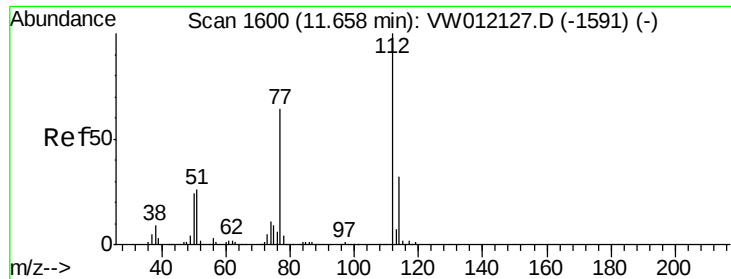
Tot Ion:117 Resp: 374751
Ion Ratio Lower Upper
117 100
82 60.2 47.4 71.2
119 32.2 25.4 38.2



#64
Tetrachloroethene
Concen: 20.063 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012161.D
Acq: 26 Aug 2019 10:21

Tgt Ion:164 Resp: 48745
Ion Ratio Lower Upper
164 100
166 121.3 102.4 153.6
129 91.7 75.8 113.6
131 90.9 71.4 107.2

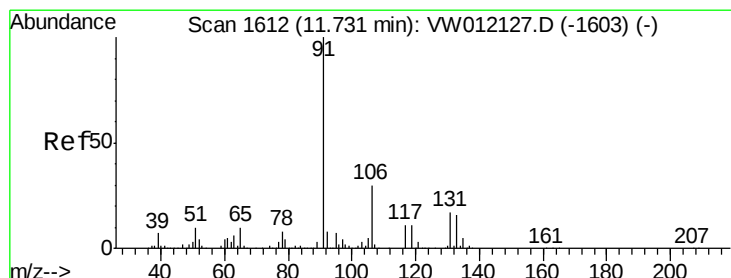
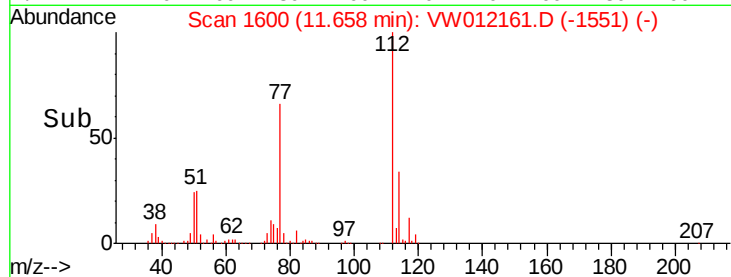
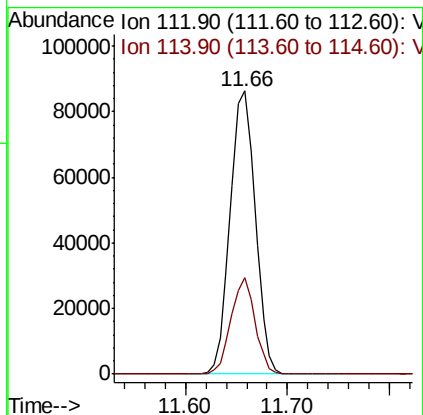
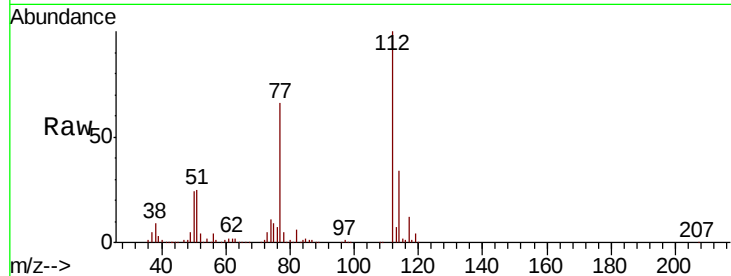




#65
Chlorobenzene
Concen: 19.967 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012161.D
Acq: 26 Aug 2019 10:21

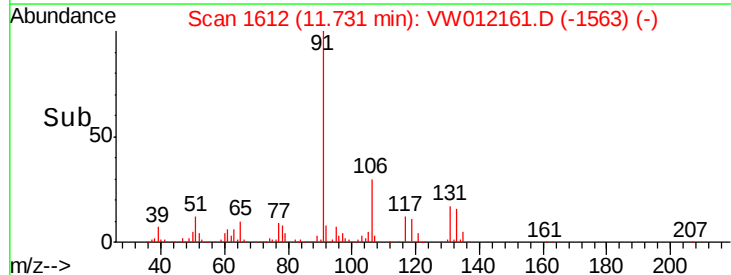
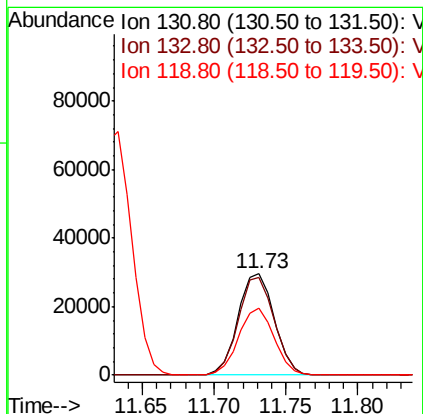
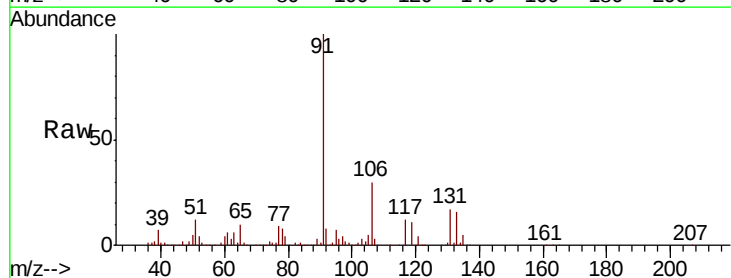
Instrument :
MSVOA_W
ClientSampleId :
VW0826SBS01

Tot Ion:112 Resp: 147341
Ion Ratio Lower Upper
112 100
114 34.0 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.131 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012161.D
Acq: 26 Aug 2019 10:21

Tgt Ion:131 Resp: 51823
Ion Ratio Lower Upper
131 100
133 95.9 47.1 141.3
119 64.8 31.8 95.3

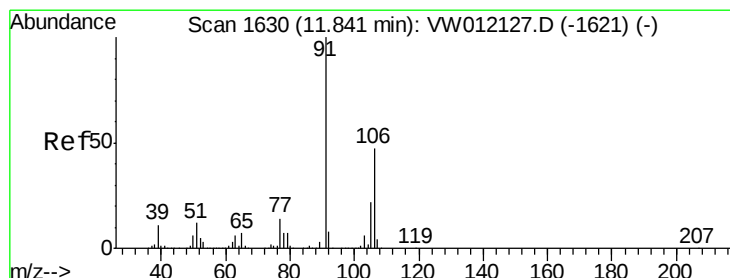
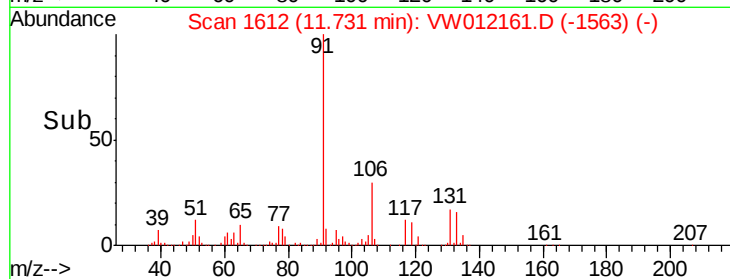
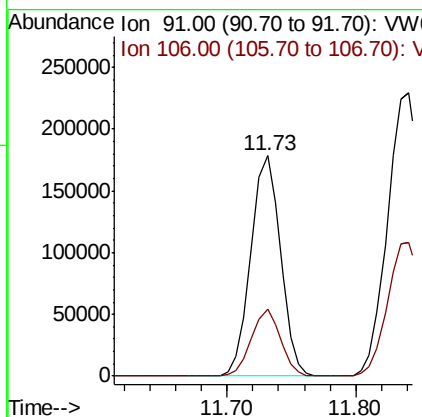
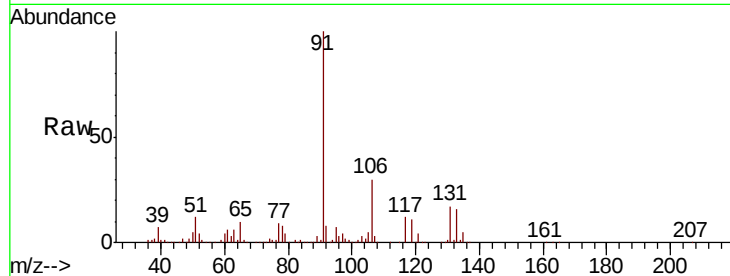




#67
Ethyl Benzene
Concen: 19.971 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012161.D
Acq: 26 Aug 2019 10:21

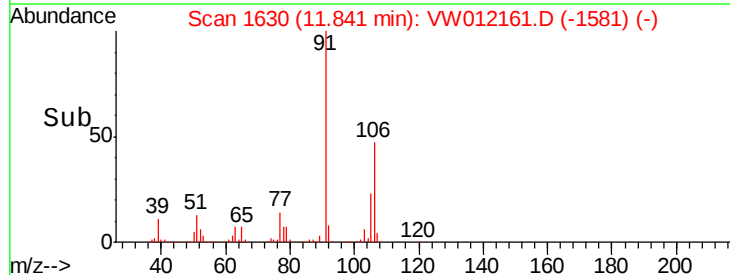
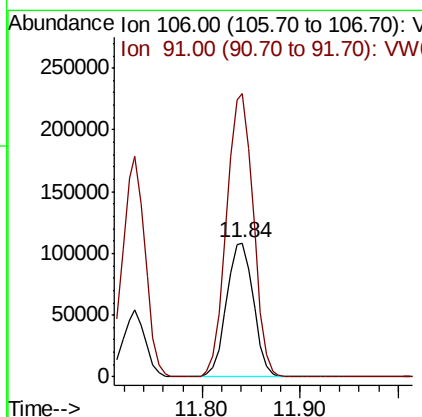
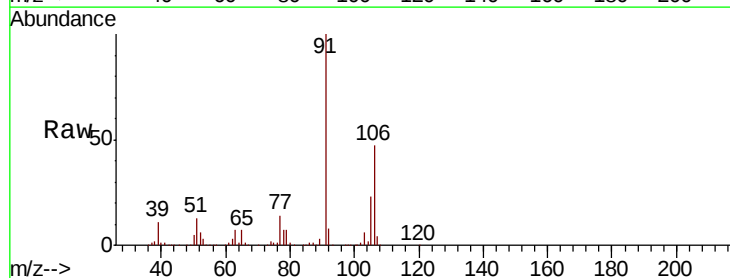
Instrument :
MSVOA_W
ClientSampleId :
VW0826SBS01

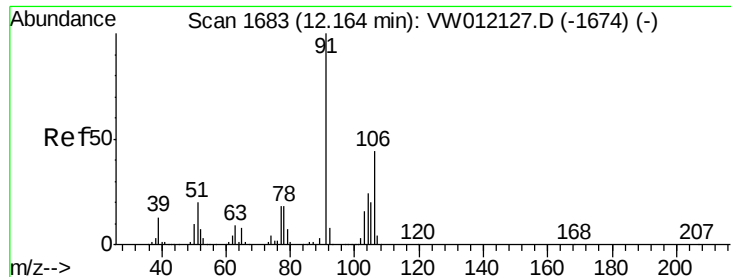
Tot Ion: 91 Resp: 283880
Ion Ratio Lower Upper
91 100
106 30.4 24.3 36.5



#68
m/p-Xylenes
Concen: 40.343 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012161.D
Acq: 26 Aug 2019 10:21

Tgt Ion: 106 Resp: 206571
Ion Ratio Lower Upper
106 100
91 211.0 169.5 254.3

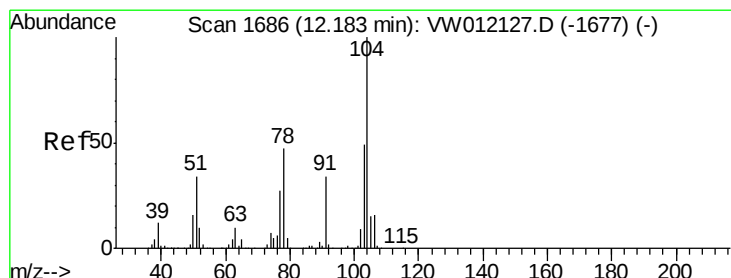
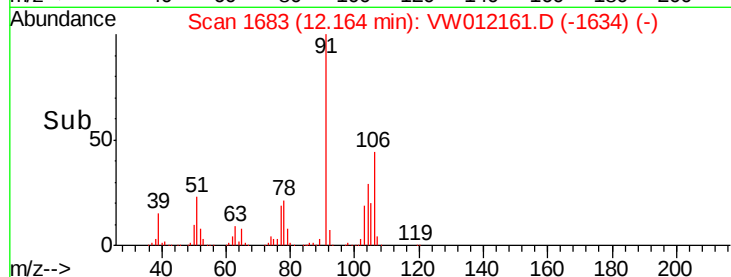
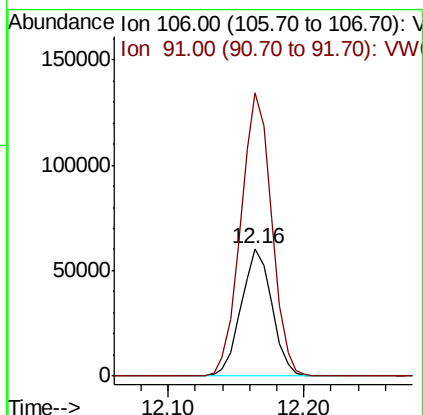
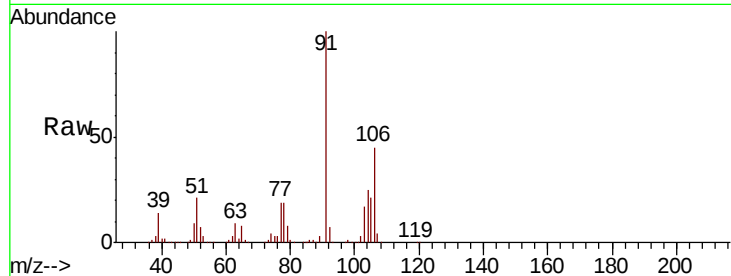




#69
o-Xylene
Concen: 20.088 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012161.D
Acq: 26 Aug 2019 10:21

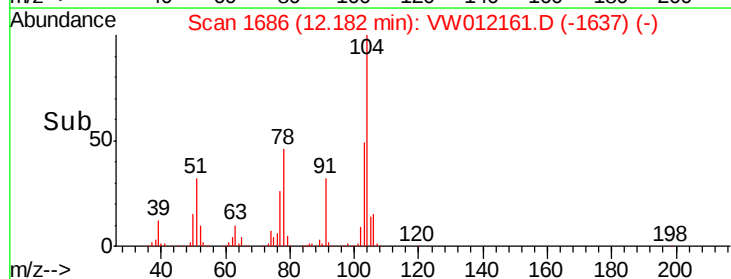
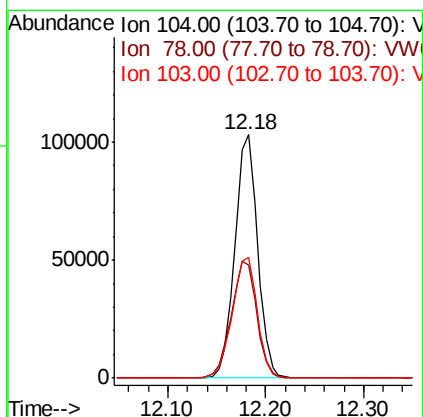
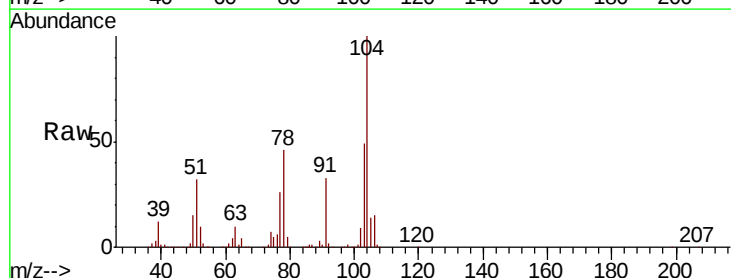
Instrument :
MSVOA_W
ClientSampled :
VW0826SBS01

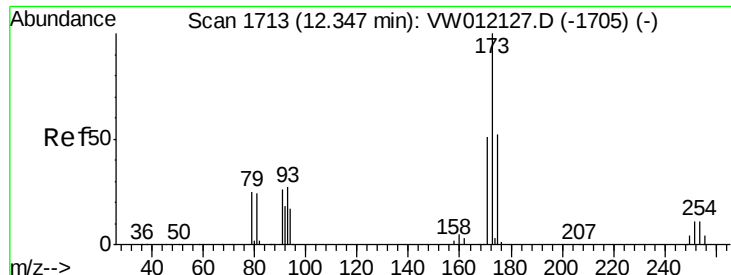
Tot Ion:106 Resp: 95197
Ion Ratio Lower Upper
106 100
91 223.9 111.6 334.6



#70
Styrene
Concen: 20.301 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012161.D
Acq: 26 Aug 2019 10:21

Tgt Ion:104 Resp: 166526
Ion Ratio Lower Upper
104 100
78 53.8 43.1 64.7
103 54.7 43.5 65.3





#71

Bromoform

Concen: 19.493 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012161.D

Acq: 26 Aug 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBS01

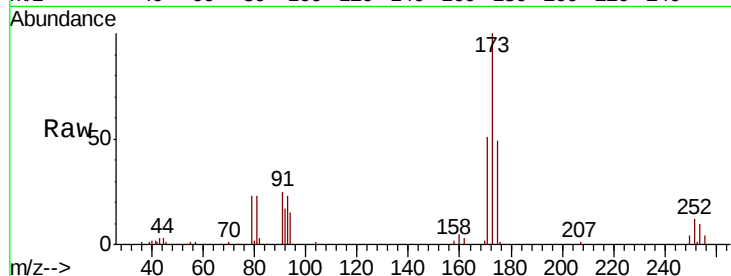
Tot Ion:173 Resp: 25002

Ion Ratio Lower Upper

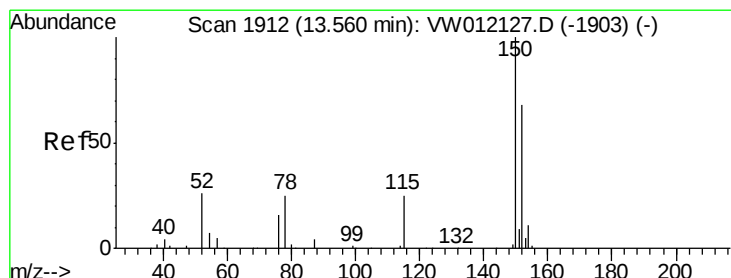
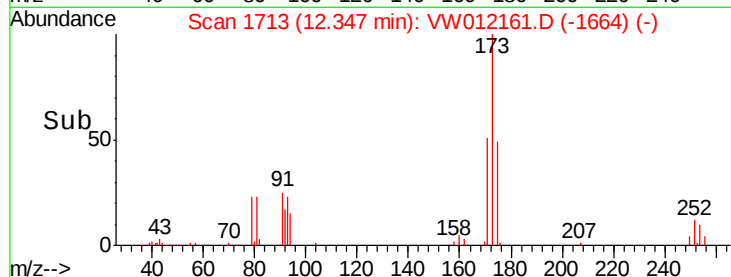
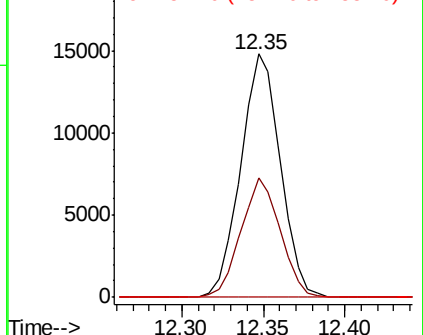
173 100

175 48.6 24.6 74.0

254 0.0 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012161.D

Acq: 26 Aug 2019 10:21

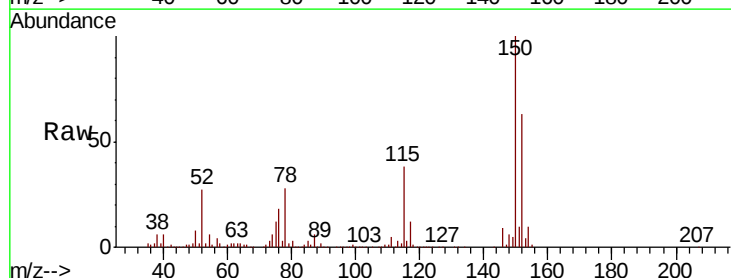
Tgt Ion:152 Resp: 180940

Ion Ratio Lower Upper

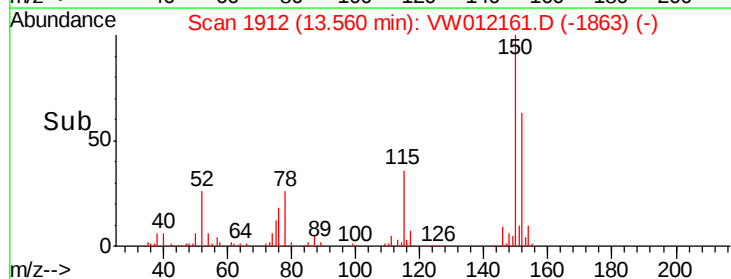
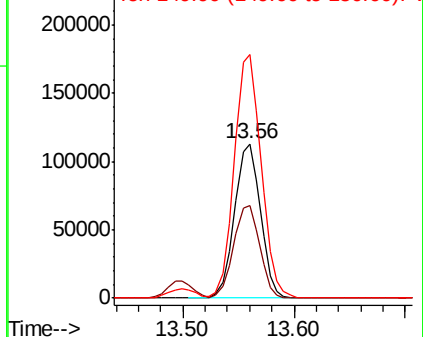
152 100

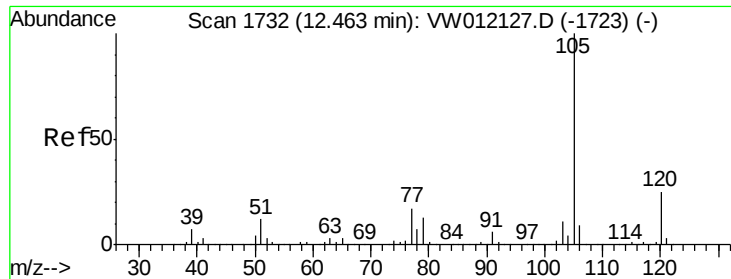
115 60.8 30.1 90.3

150 164.5 0.0 345.8



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

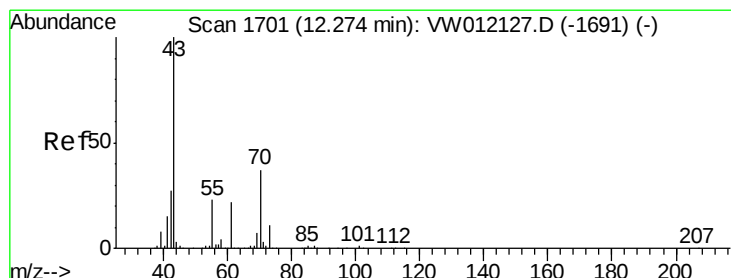
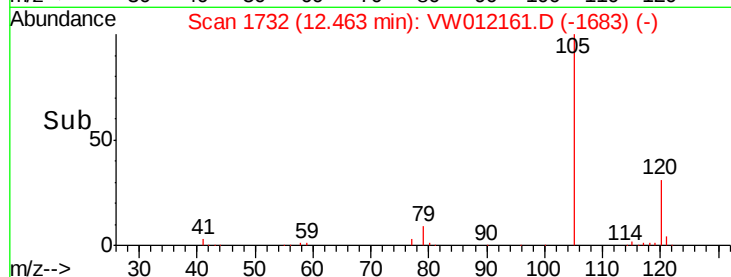
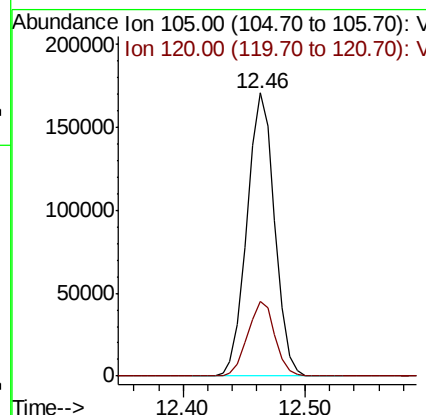
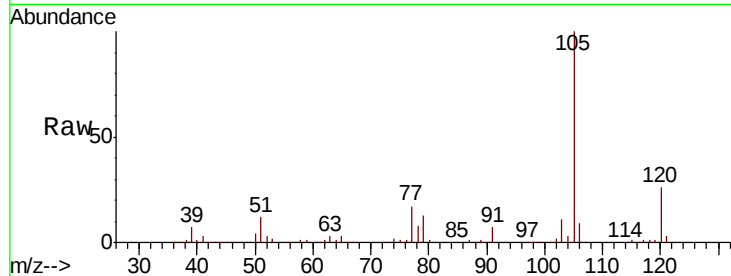




#73
Isopropylbenzene
Concen: 19.715 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW012161.D
Acq: 26 Aug 2019 10:21

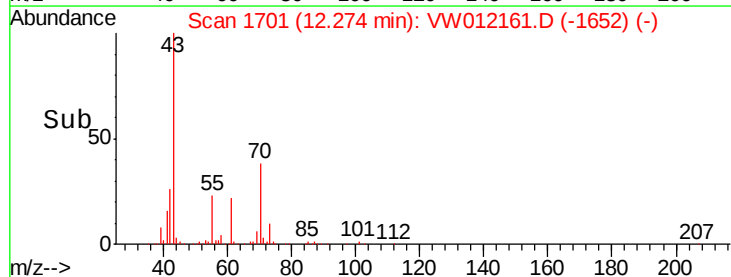
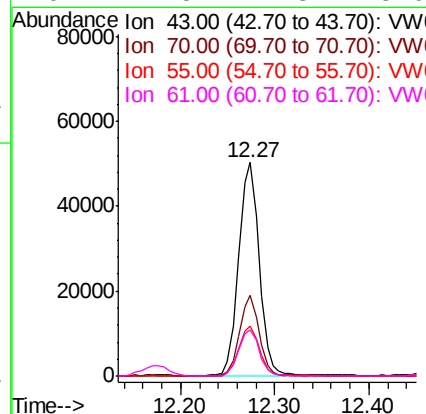
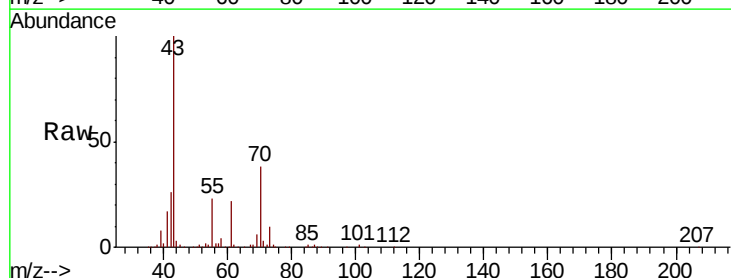
Instrument :
MSVOA_W
ClientSampleId :
VW0826SBS01

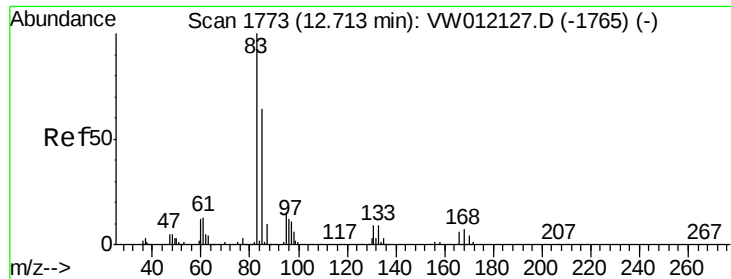
Tot Ion:105 Resp: 267295
Ion Ratio Lower Upper
105 100
120 26.1 12.5 37.5



#74
N-ethyl acetate
Concen: 18.638 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW012161.D
Acq: 26 Aug 2019 10:21

Tgt Ion: 43 Resp: 76346
Ion Ratio Lower Upper
43 100
70 35.8 28.6 43.0
55 23.6 17.8 26.6
61 21.8 17.3 25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 19.466 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012161.D

Acq: 26 Aug 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBS01

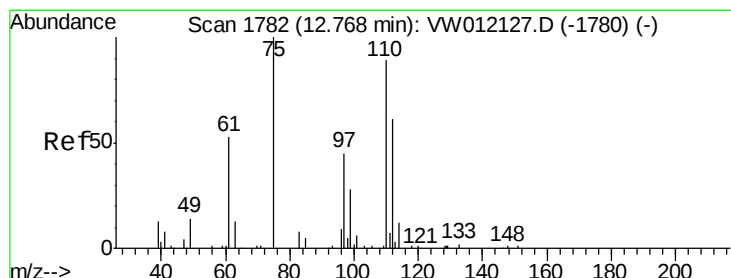
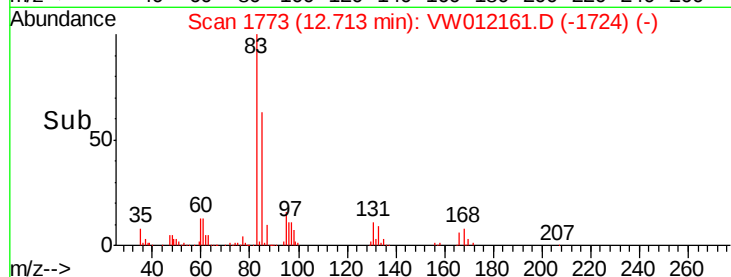
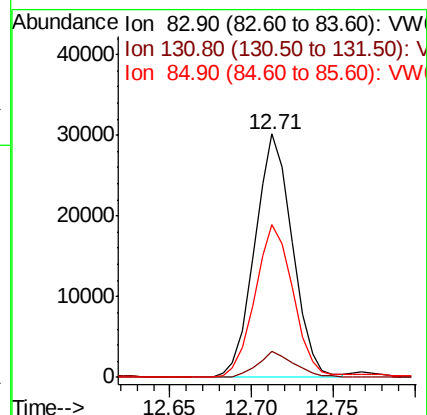
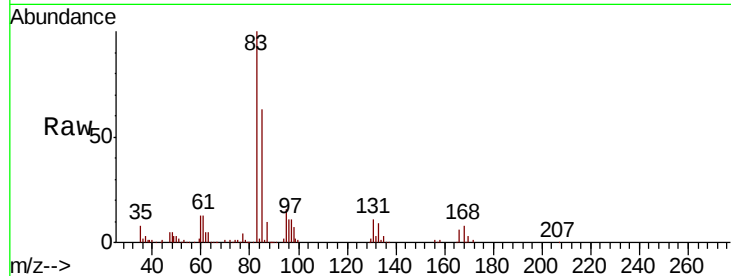
Tot Ion: 83 Resp: 48385

Ion Ratio Lower Upper

83 100

131 10.3 4.9 14.7

85 63.2 31.9 95.7



#76

1,2,3-Trichloropropane

Concen: 36.310 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW012161.D

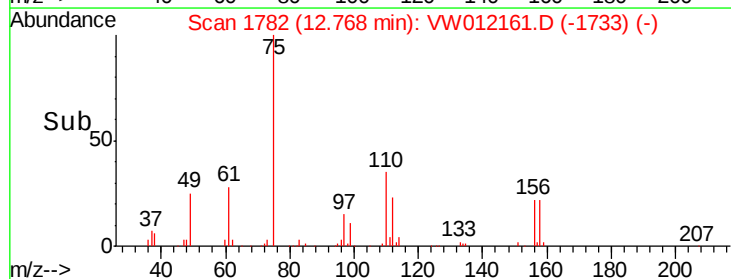
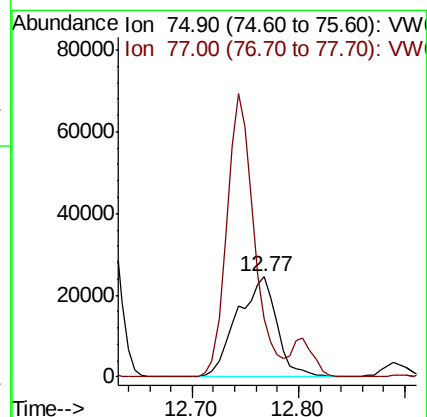
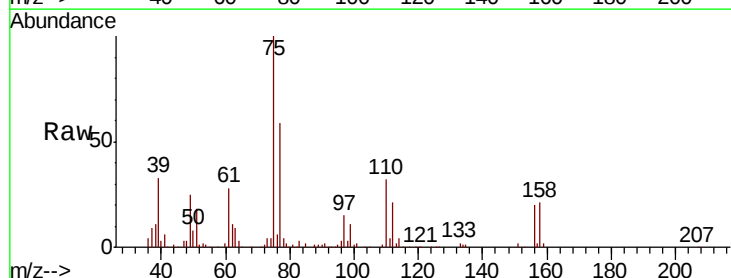
Acq: 26 Aug 2019 10:21

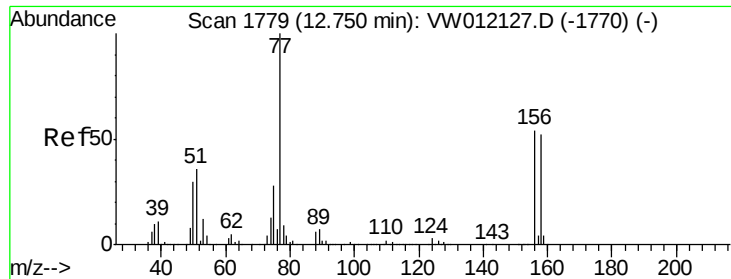
Tgt Ion: 75 Resp: 63986

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 19.856 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012161.D

Acq: 26 Aug 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBS01

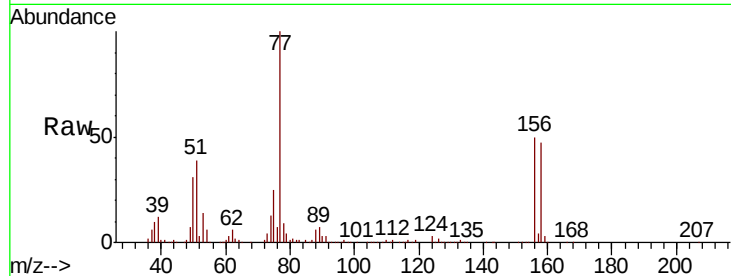
Tot Ion:156 Resp: 58241

Ion Ratio Lower Upper

156 100

77 214.9 107.3 321.8

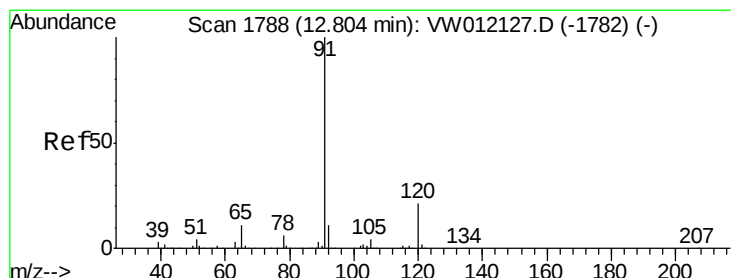
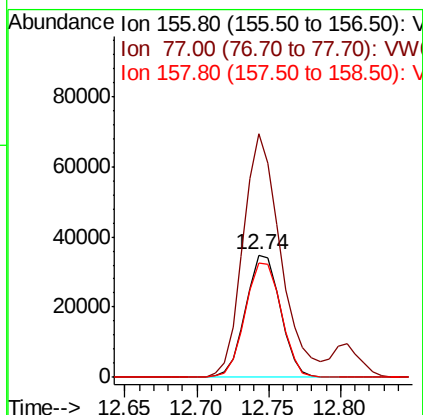
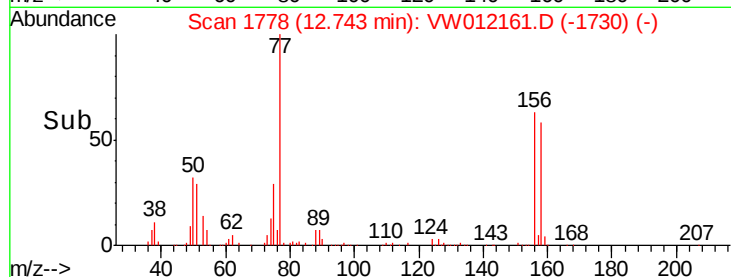
158 96.4 49.0 147.0



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: 20.182 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012161.D

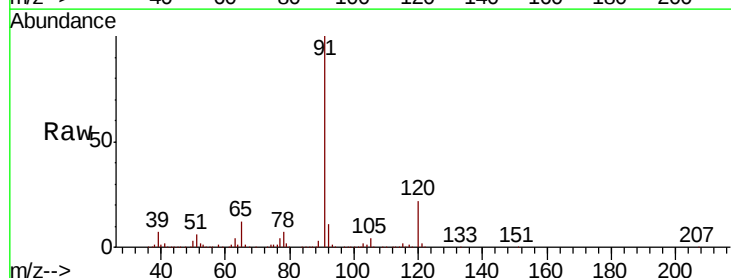
Acq: 26 Aug 2019 10:21

Tgt Ion: 91 Resp: 334045

Ion Ratio Lower Upper

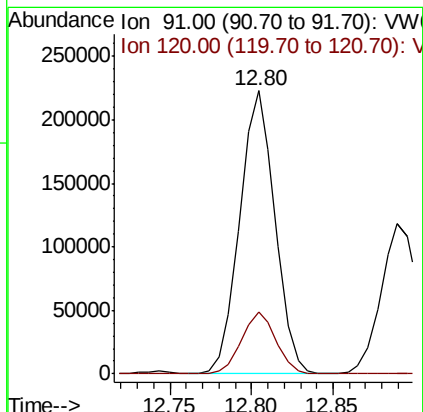
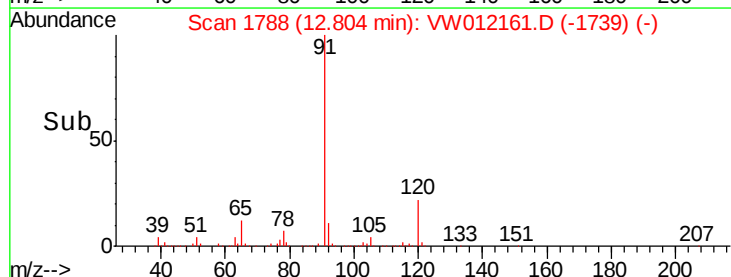
91 100

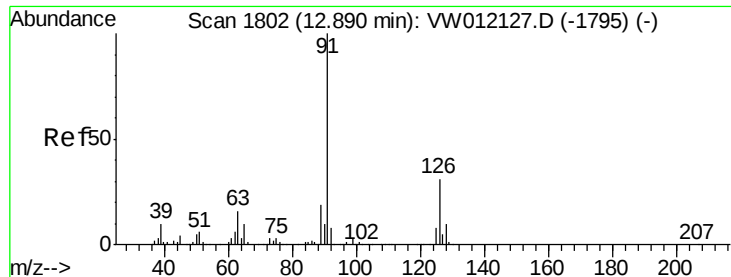
120 21.4 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.044 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012161.D

Acq: 26 Aug 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

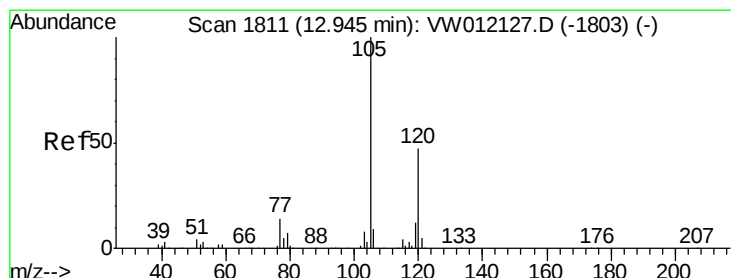
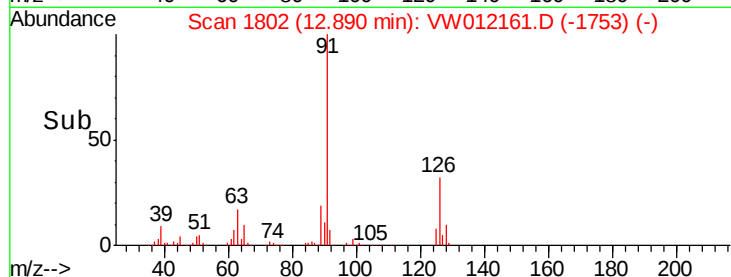
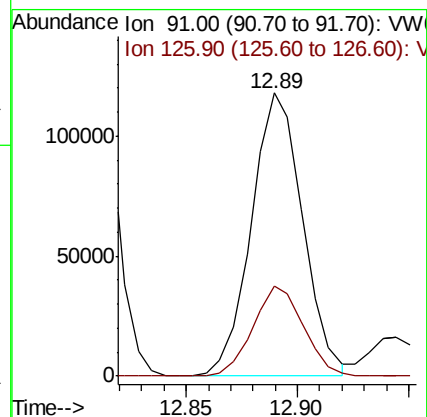
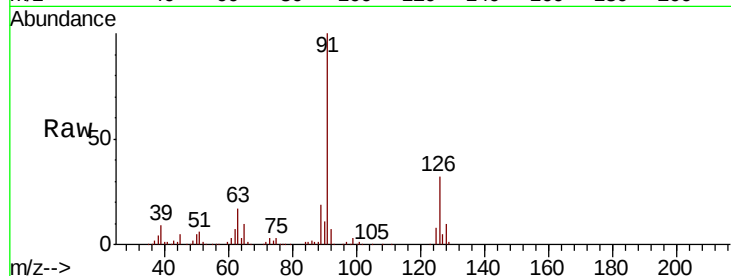
VW0826SBS01

Tot Ion: 91 Resp: 188356

Ion Ratio Lower Upper

91 100

126 31.4 15.7 47.0



#80

1,3,5-Trimethylbenzene

Concen: 20.389 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012161.D

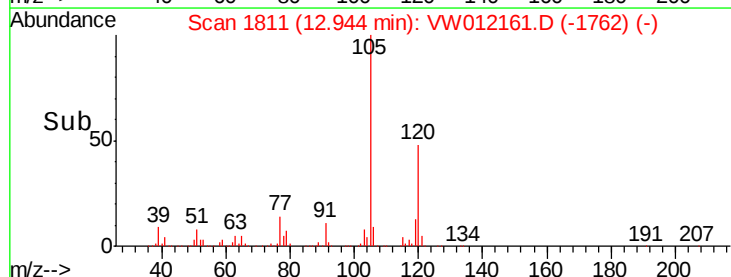
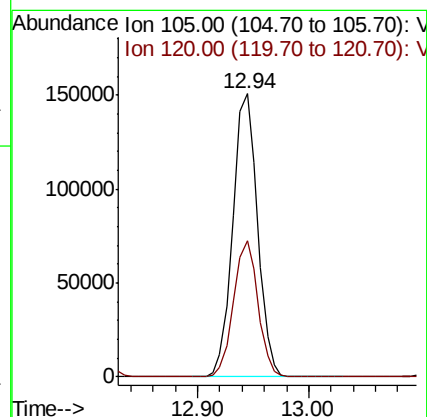
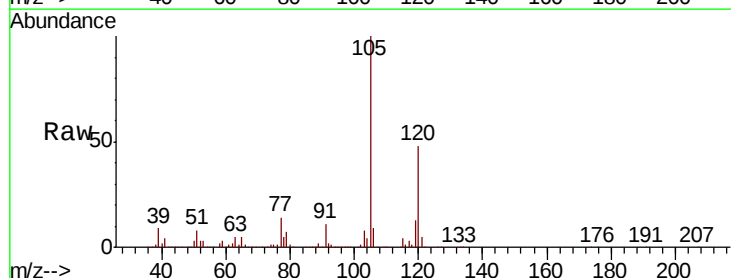
Acq: 26 Aug 2019 10:21

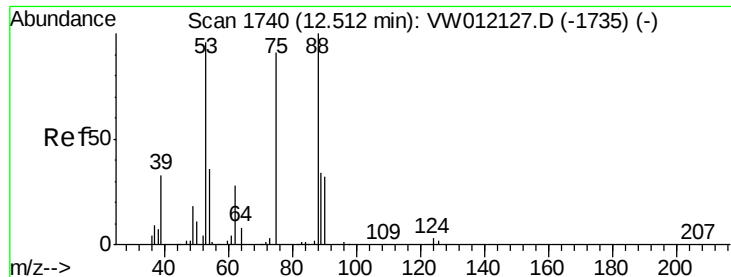
Tgt Ion:105 Resp: 230988

Ion Ratio Lower Upper

105 100

120 47.8 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.155 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012161.D

Acq: 26 Aug 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBS01

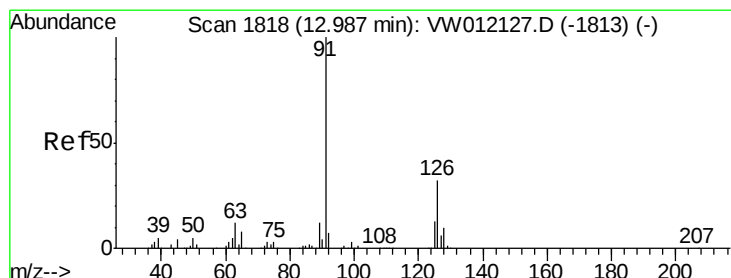
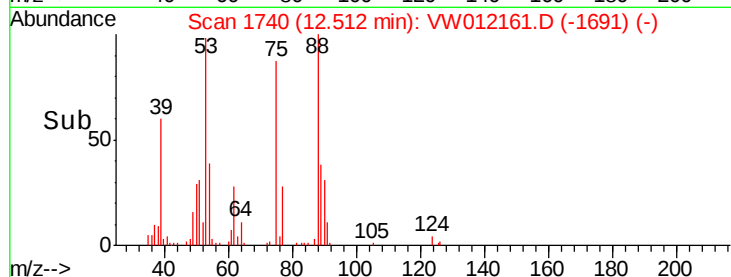
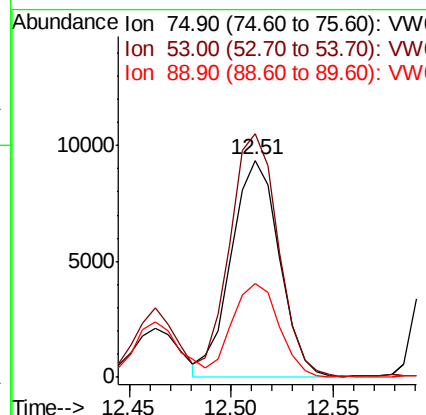
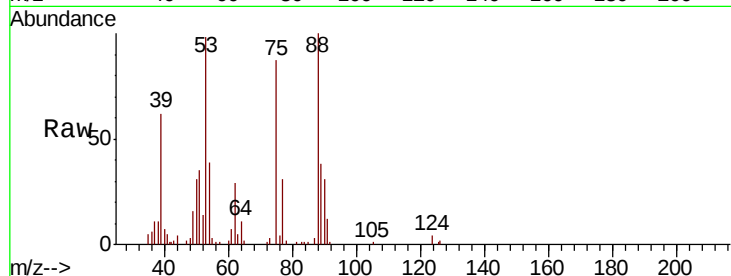
Tot Ion: 75 Resp: 15396

Ion Ratio Lower Upper

75 100

53 112.9 89.4 134.0

89 42.4 34.5 51.7



#82

4-Chlorotoluene

Concen: 20.050 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW012161.D

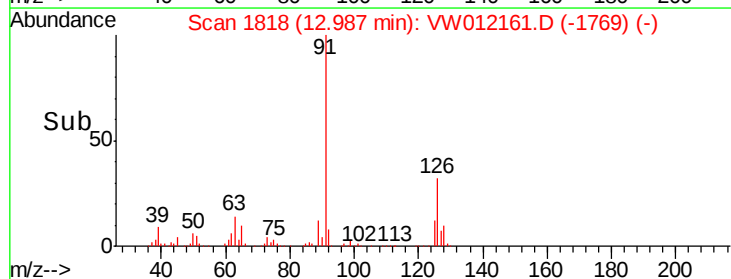
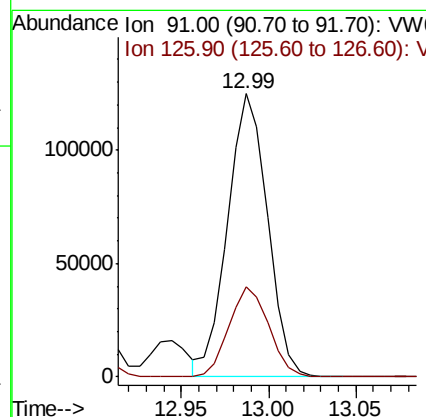
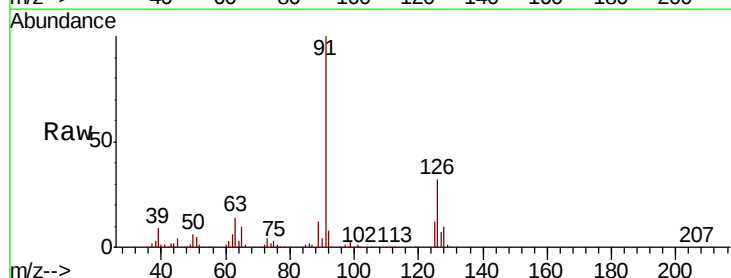
Acq: 26 Aug 2019 10:21

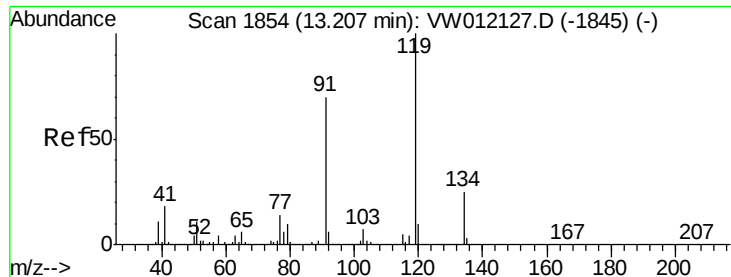
Tgt Ion: 91 Resp: 197282

Ion Ratio Lower Upper

91 100

126 31.9 15.6 46.8

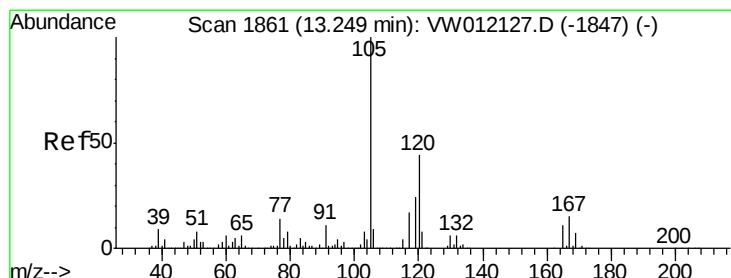
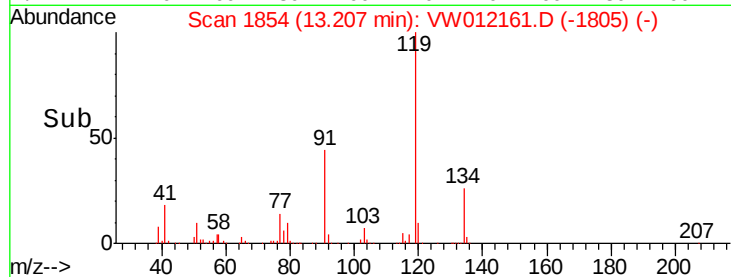
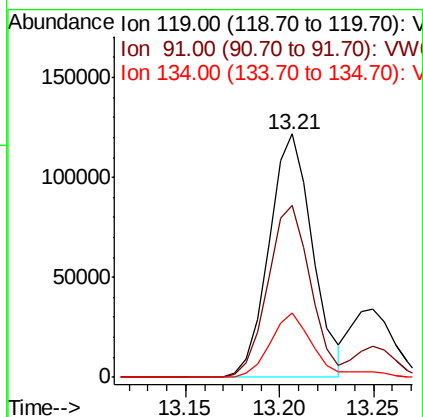
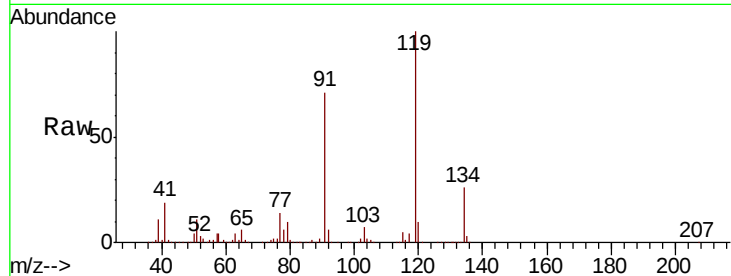




#83
 tert-Butylbenzene
 Concen: 20.275 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012161.D
 Acq: 26 Aug 2019 10:21

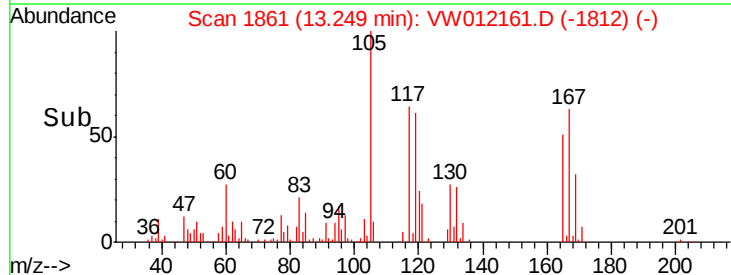
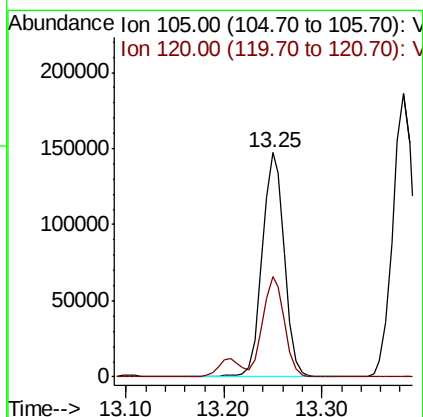
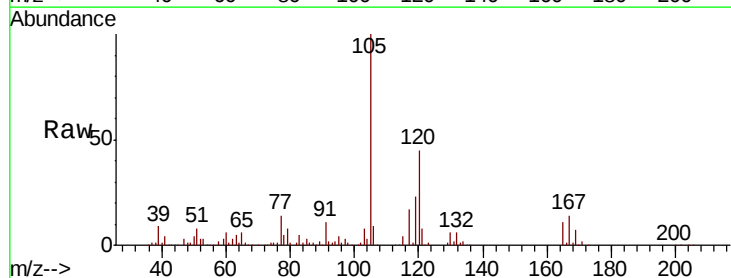
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0826SBS01

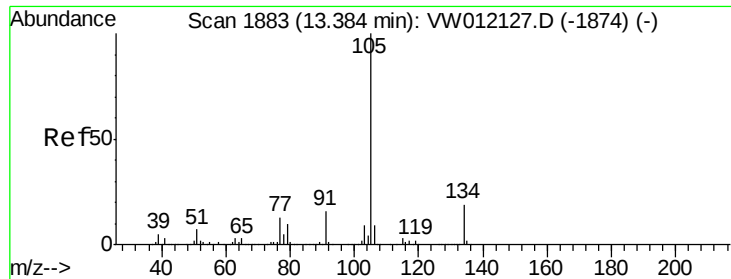
Tot Ion:119 Resp: 194572
 Ion Ratio Lower Upper
 119 100
 91 69.2 34.8 104.3
 134 25.1 13.3 39.8



#84
 1,2,4-Trimethylbenzene
 Concen: 20.372 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012161.D
 Acq: 26 Aug 2019 10:21

Tgt Ion:105 Resp: 231837
 Ion Ratio Lower Upper
 105 100
 120 43.6 21.9 65.7





#85

sec-Butylbenzene

Concen: 20.286 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012161.D

Acq: 26 Aug 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

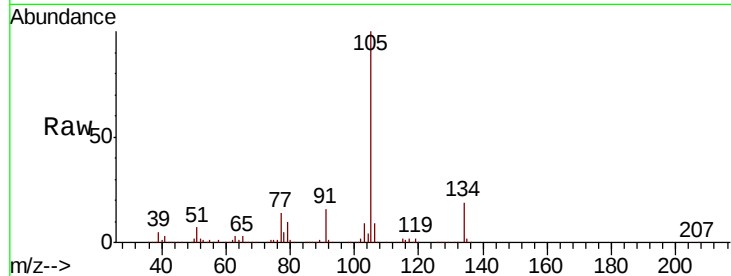
VW0826SBS01

Tot Ion:105 Resp: 278908

Ion Ratio Lower Upper

105 100

134 19.1 9.8 29.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

200000

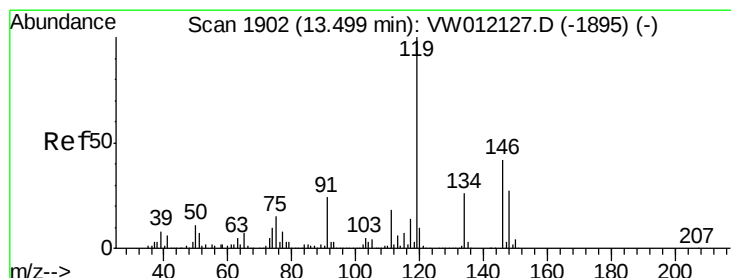
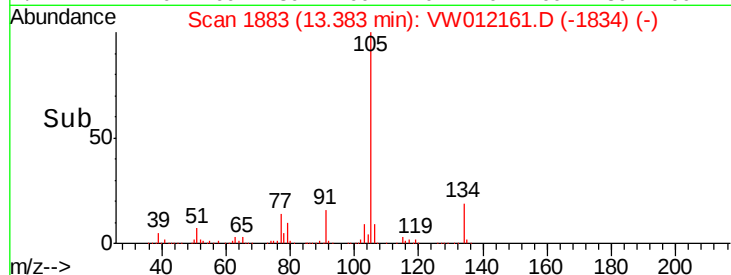
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.537 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012161.D

Acq: 26 Aug 2019 10:21

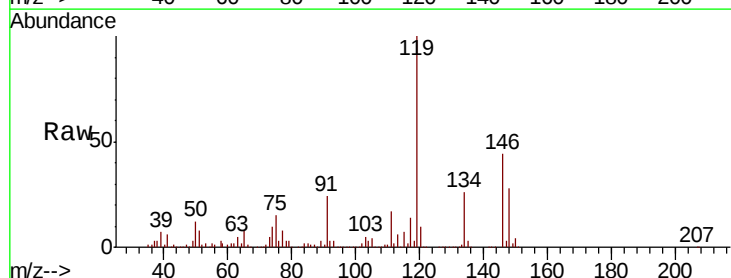
Tgt Ion:119 Resp: 252167

Ion Ratio Lower Upper

119 100

134 25.4 12.8 38.3

91 24.8 12.3 36.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.50

200000

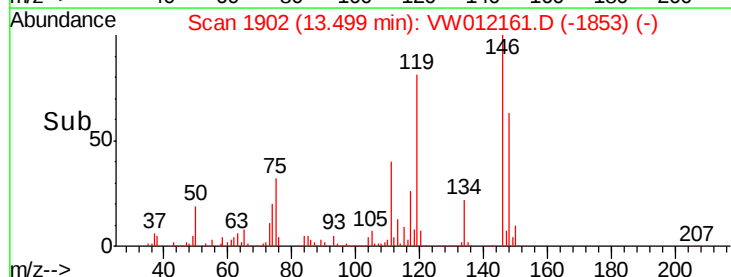
150000

100000

50000

0

Time-->

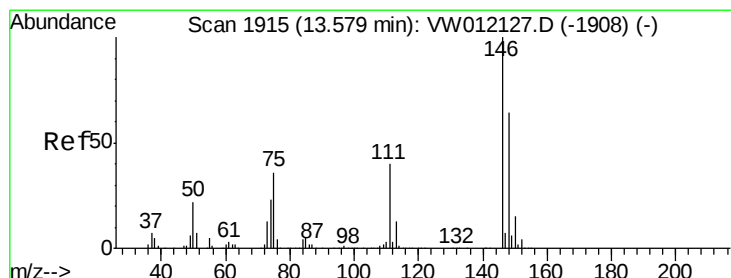
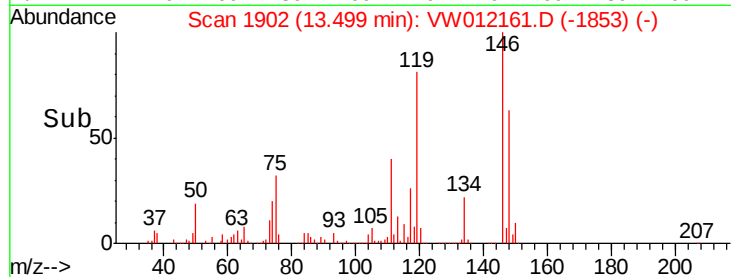
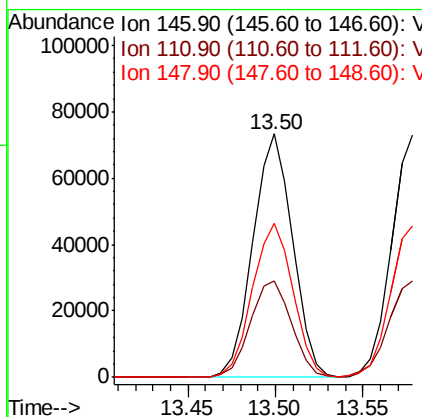
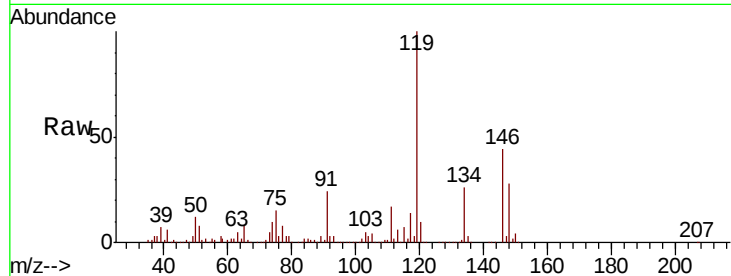




#87
 1,3-Dichlorobenzene
 Concen: 20.173 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012161.D
 Acq: 26 Aug 2019 10:21

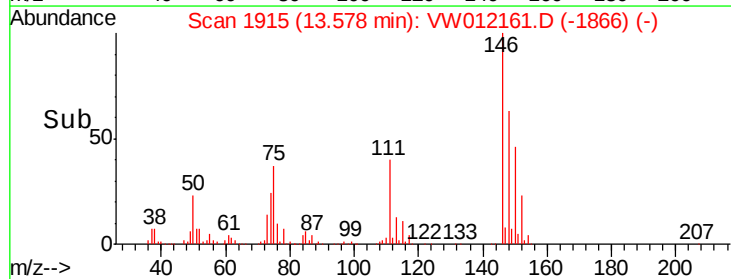
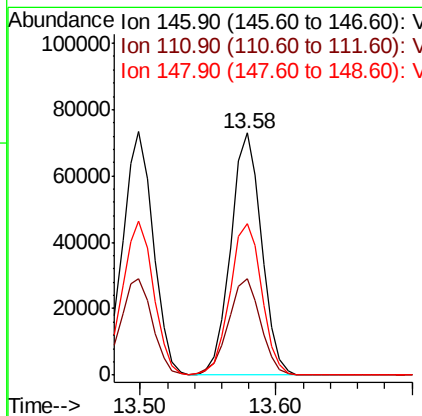
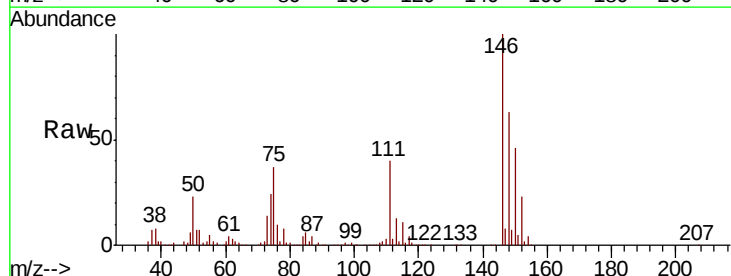
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0826SBS01

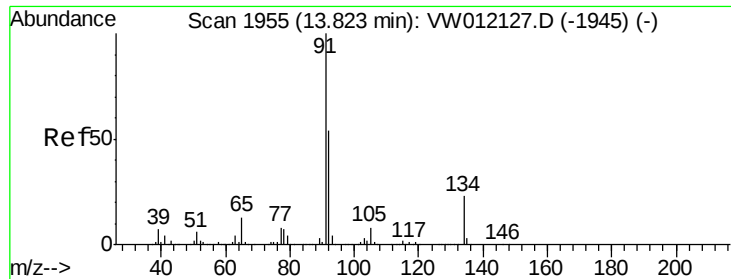
Tot Ion:146 Resp: 115735
 Ion Ratio Lower Upper
 146 100
 111 41.2 20.9 62.7
 148 64.6 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 20.139 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012161.D
 Acq: 26 Aug 2019 10:21

Tgt Ion:146 Resp: 114721
 Ion Ratio Lower Upper
 146 100
 111 41.9 20.0 60.0
 148 64.6 32.1 96.3





#89

n-Butylbenzene

Concen: 20.315 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012161.D

Acq: 26 Aug 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBS01

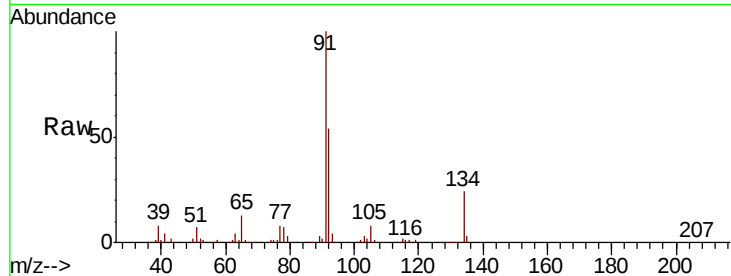
Tot Ion: 91 Resp: 248055

Ion Ratio Lower Upper

91 100

92 54.1 27.1 81.2

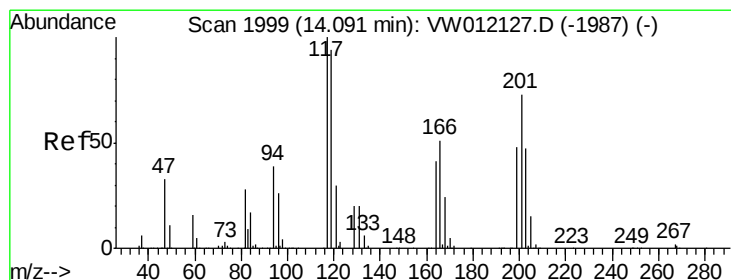
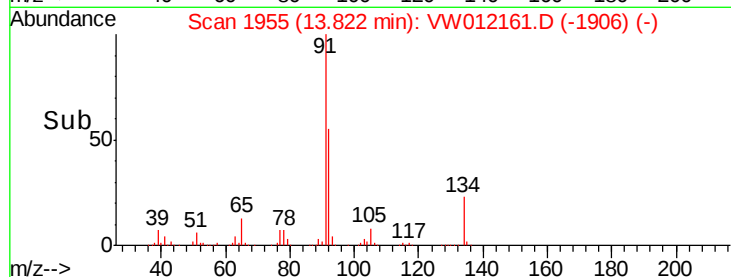
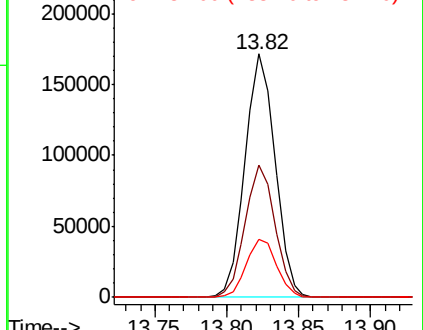
134 24.1 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 20.454 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW012161.D

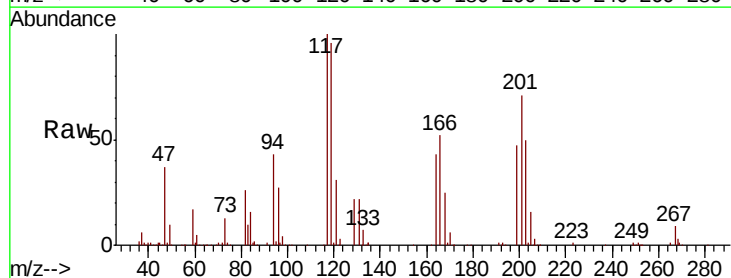
Acq: 26 Aug 2019 10:21

Tgt Ion: 117 Resp: 44063

Ion Ratio Lower Upper

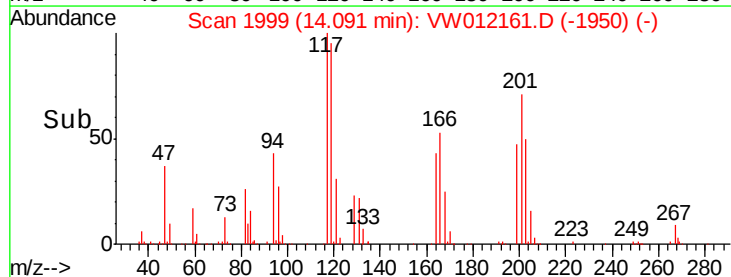
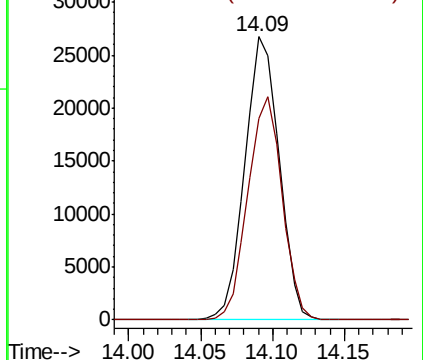
117 100

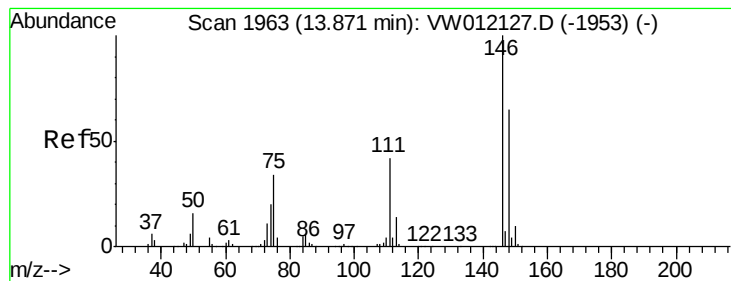
201 79.0 38.6 115.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 20.246 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW012161.D

Acq: 26 Aug 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBS01

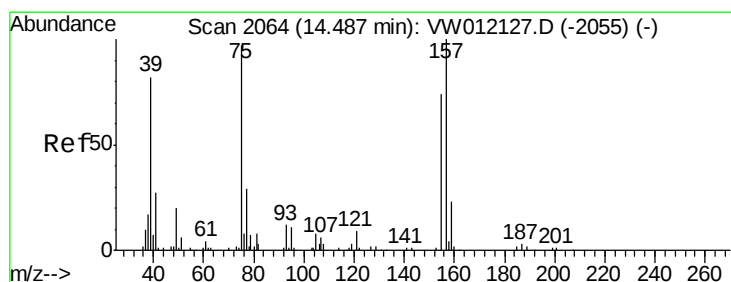
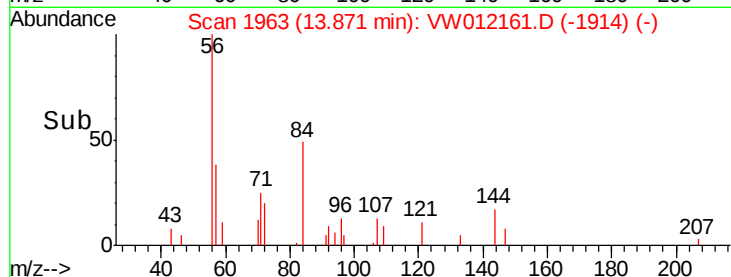
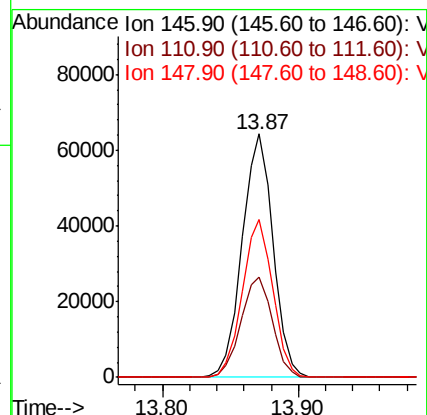
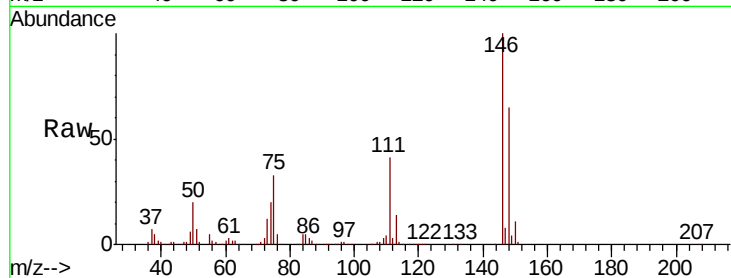
Tot Ion:146 Resp: 101896

Ion Ratio Lower Upper

146 100

111 42.0 21.2 63.6

148 63.9 32.5 97.4



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.545 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW012161.D

Acq: 26 Aug 2019 10:21

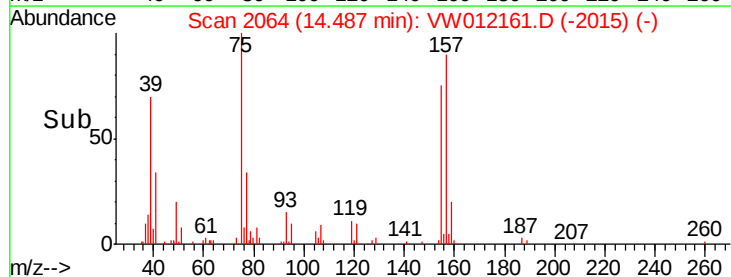
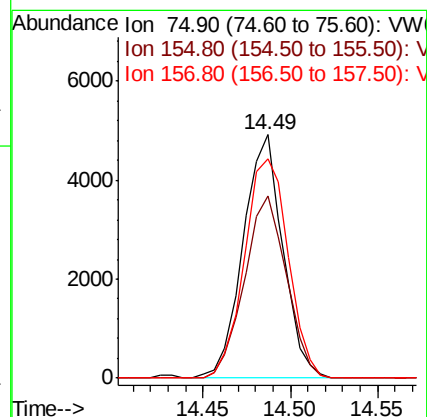
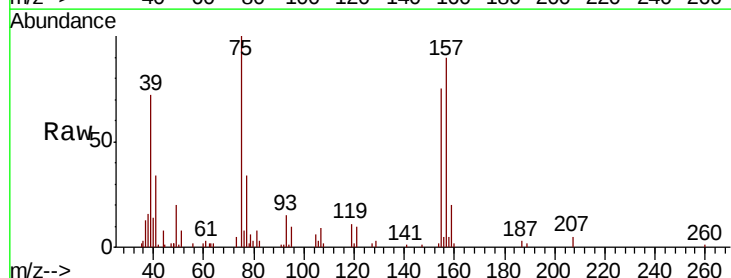
Tgt Ion: 75 Resp: 7771

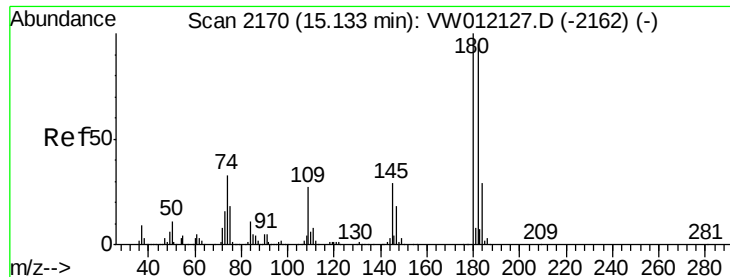
Ion Ratio Lower Upper

75 100

155 79.1 37.5 112.3

157 98.9 50.5 151.5

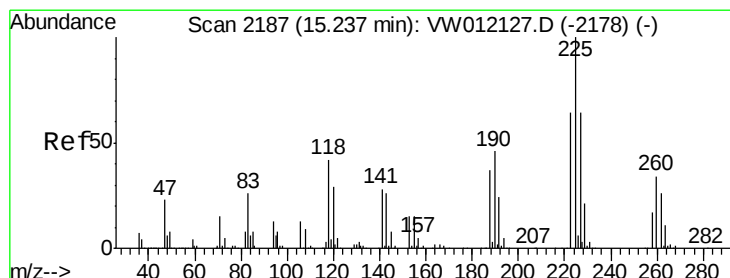
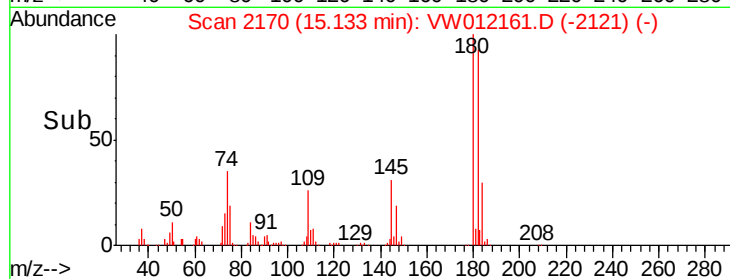
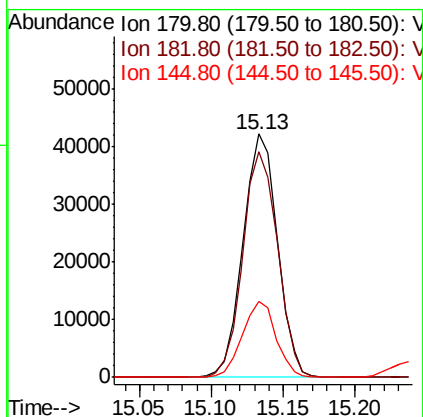
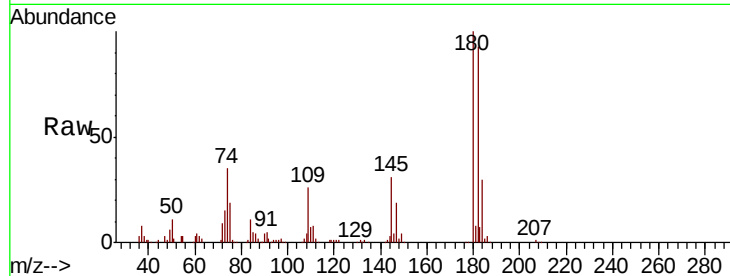




#93
 1,2,4-Trichlorobenzene
 Concen: 20.110 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012161.D
 Acq: 26 Aug 2019 10:21

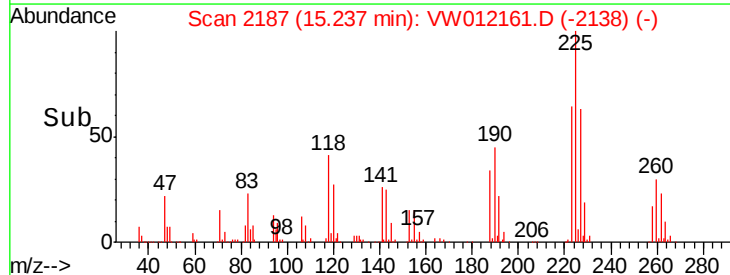
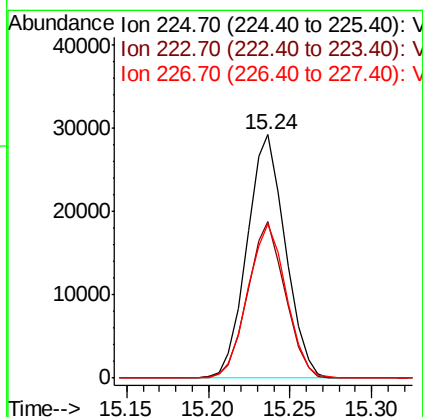
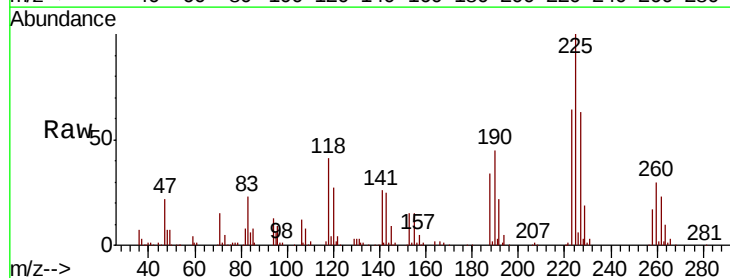
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0826SBS01

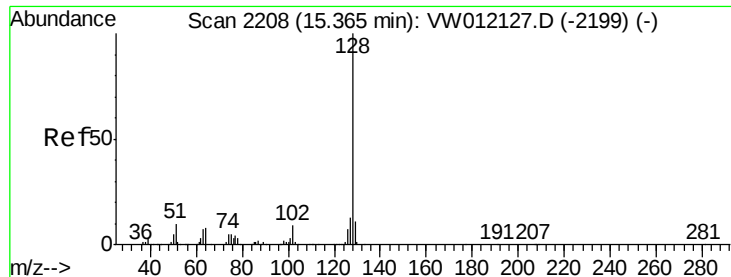
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.8	143.4
145	30.6	15.0	45.1



#94
 Hexachlorobutadiene
 Concen: 20.769 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012161.D
 Acq: 26 Aug 2019 10:21

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	32.3	96.8
227	63.6	32.9	98.6





#95

Naphthalene

Concen: 19.387 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012161.D

Acq: 26 Aug 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBS01

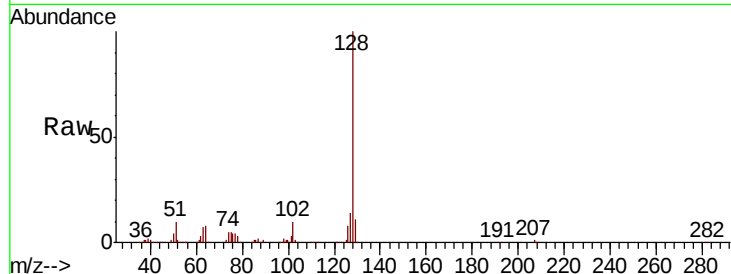
Tot Ion:128 Resp: 112552

Ion Ratio Lower Upper

128 100

127 13.2 10.7 16.1

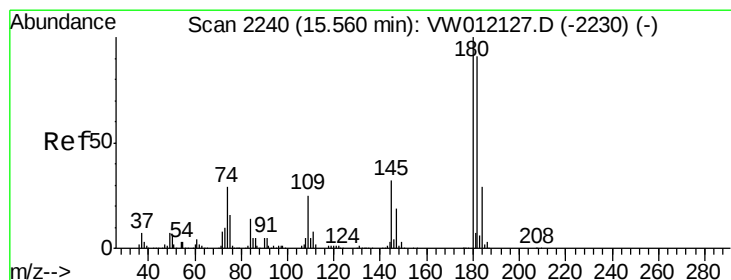
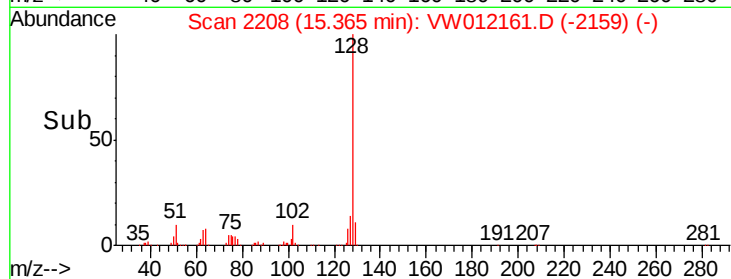
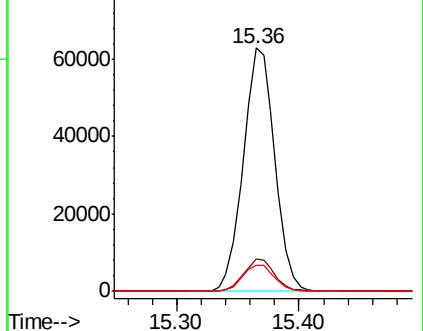
129 11.0 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.848 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW012161.D

Acq: 26 Aug 2019 10:21

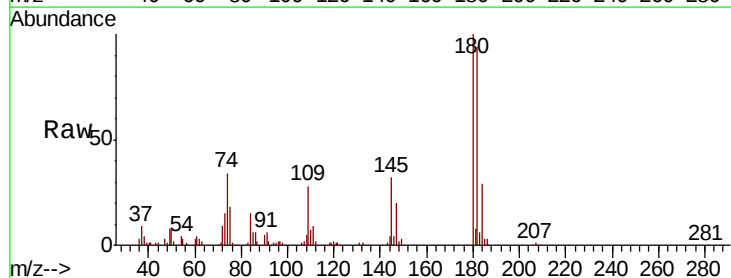
Tgt Ion:180 Resp: 60230

Ion Ratio Lower Upper

180 100

182 95.1 47.1 141.3

145 31.6 16.2 48.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

