

Data File : VW012177.D
Acq On : 26 Aug 2019 18:14
Operator : SY/VA
Sample : VW0826SBS01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0826SBS02

Quant Time: Aug 27 04:57:29 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	253706	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	405632	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	350013	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	170806	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	156541	51.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.80%	
35) Dibromofluoromethane	7.88	113	126488	52.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.48%	
50) Toluene-d8	10.32	98	518711	52.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.68%	
62) 4-Bromofluorobenzene	12.62	95	184214	53.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.46%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.01	85	28876	18.485 ug/l	92
3) Chloromethane	2.20	50	44616	18.435 ug/l	100
4) Vinyl Chloride	2.35	62	53500	18.060 ug/l	100
5) Bromomethane	2.78	94	29043	19.359 ug/l	99
6) Chloroethane	2.91	64	29890	17.887 ug/l	99
7) Trichlorofluoromethane	3.25	101	28092	18.886 ug/l	93
8) Diethyl Ether	3.67	74	28048	19.866 ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	50336	19.909 ug/l	99
10) Methyl Iodide	4.26	142	63544	18.575 ug/l	99
11) Tert butyl alcohol	5.12	59	3723	20.513 ug/l #	71
12) 1,1-Dichloroethene	4.03	96	49203	19.335 ug/l	99
13) Acrolein	3.90	56	16293	95.366 ug/l	96
14) Allyl chloride	4.66	41	104436	19.196 ug/l	99
15) Acrylonitrile	5.38	53	66187	94.579 ug/l	98
16) Acetone	4.17	43	64323	83.435 ug/l	99
17) Carbon Disulfide	4.37	76	133025	17.297 ug/l	98
18) Methyl Acetate	4.68	43	37138	19.449 ug/l	98
19) Methyl tert-butyl Ether	5.42	73	82950	20.156 ug/l	98
20) Methylene Chloride	4.92	84	58544	20.087 ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	52593	19.273 ug/l	98
22) Diisopropyl ether	6.31	45	206635	20.491 ug/l	93
23) Vinyl Acetate	6.26	43	608724	98.086 ug/l	98
24) 1,1-Dichloroethane	6.21	63	110391	20.105 ug/l	99
25) 2-Butanone	7.18	43	96404	92.022 ug/l	99
26) 2,2-Dichloropropane	7.16	77	64939	20.895 ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	59109	20.273 ug/l	99
28) Bromochloromethane	7.51	49	50334	21.033 ug/l	99
29) Tetrahydrofuran	7.54	42	58435	92.972 ug/l	99
30) Chloroform	7.67	83	102602	20.425 ug/l	97
31) Cyclohexane	7.95	56	102537	18.875 ug/l #	95
32) 1,1,1-Trichloroethane	7.87	97	80307	20.208 ug/l	99
36) 1,1-Dichloropropene	8.08	75	82300	19.634 ug/l	99
37) Ethyl Acetate	7.26	43	44350	19.308 ug/l	99
38) Carbon Tetrachloride	8.07	117	72233	19.910 ug/l	98

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Instrument :
MSVOA_W
ClientSampleID :
VW0826SBS02

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	89822	19.074	ug/l	98
40) Benzene	8.32	78	227948	19.915	ug/l	99
41) Methacrylonitrile	7.48	41	26057	19.301	ug/l	96
42) 1,2-Dichloroethane	8.40	62	72046	20.084	ug/l	100
43) Isopropyl Acetate	8.43	43	81683	19.198	ug/l	97
44) Trichloroethene	9.09	130	54752	19.678	ug/l	96
45) 1,2-Dichloropropane	9.37	63	62022	20.134	ug/l	98
46) Dibromomethane	9.46	93	27382	19.979	ug/l	98
47) Bromodichloromethane	9.64	83	73920	20.265	ug/l	98
48) Methyl methacrylate	9.44	41	37974	18.752	ug/l	94
49) 1,4-Dioxane	9.51	88	7376	351.542	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	210789	97.402	ug/l	98
52) Toluene	10.38	92	138071	20.080	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	73137	19.684	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	89263	19.896	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	39878	20.564	ug/l	97
56) Ethyl methacrylate	10.65	69	55833	19.783	ug/l	98
57) 1,3-Dichloropropane	10.93	76	74023	20.200	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	144805	99.971	ug/l	99
59) 2-Hexanone	10.97	43	142830	93.277	ug/l	100
60) Dibromochloromethane	11.13	129	42773	19.803	ug/l	96
61) 1,2-Dibromoethane	11.23	107	36931	20.442	ug/l	98
64) Tetrachloroethene	10.86	164	45982	20.263	ug/l	98
65) Chlorobenzene	11.66	112	139677	20.266	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	49324	20.514	ug/l	99
67) Ethyl Benzene	11.73	91	269810	20.323	ug/l	99
68) m/p-Xylenes	11.84	106	196437	41.076	ug/l	98
69) o-Xylene	12.16	106	90868	20.530	ug/l	100
70) Styrene	12.18	104	158872	20.737	ug/l	100
71) Bromoform	12.35	173	23766	19.839	ug/l #	98
73) Isopropylbenzene	12.46	105	256663	20.054	ug/l	99
74) N-amyl acetate	12.27	43	76541	19.794	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	47012	20.036	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	61609	37.035	ug/l #	100
77) Bromobenzene	12.75	156	55680	20.109	ug/l	99
78) n-propylbenzene	12.80	91	315621	20.200	ug/l	99
79) 2-Chlorotoluene	12.89	91	178850	20.162	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	217391	20.327	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	14334	18.892	ug/l	94
82) 4-Chlorotoluene	12.99	91	186121	20.038	ug/l	100
83) tert-Butylbenzene	13.21	119	183924	20.302	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	216771	20.178	ug/l	100
85) sec-Butylbenzene	13.38	105	261440	20.143	ug/l	99
86) p-Isopropyltoluene	13.50	119	236454	20.400	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	110657	20.432	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	108532	20.183	ug/l	99
89) n-Butylbenzene	13.82	91	236882	20.551	ug/l	99
90) Hexachloroethane	14.09	117	41647	20.480	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	96956	20.407	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	7267	18.371	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082619\
Quantitation Report (Not Reviewed)

Data File : VW012177.D
Acq On : 26 Aug 2019 18:14
Operator : SY/VA
Sample : VW0826SBSD01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 21 Sample Multiplier: 1

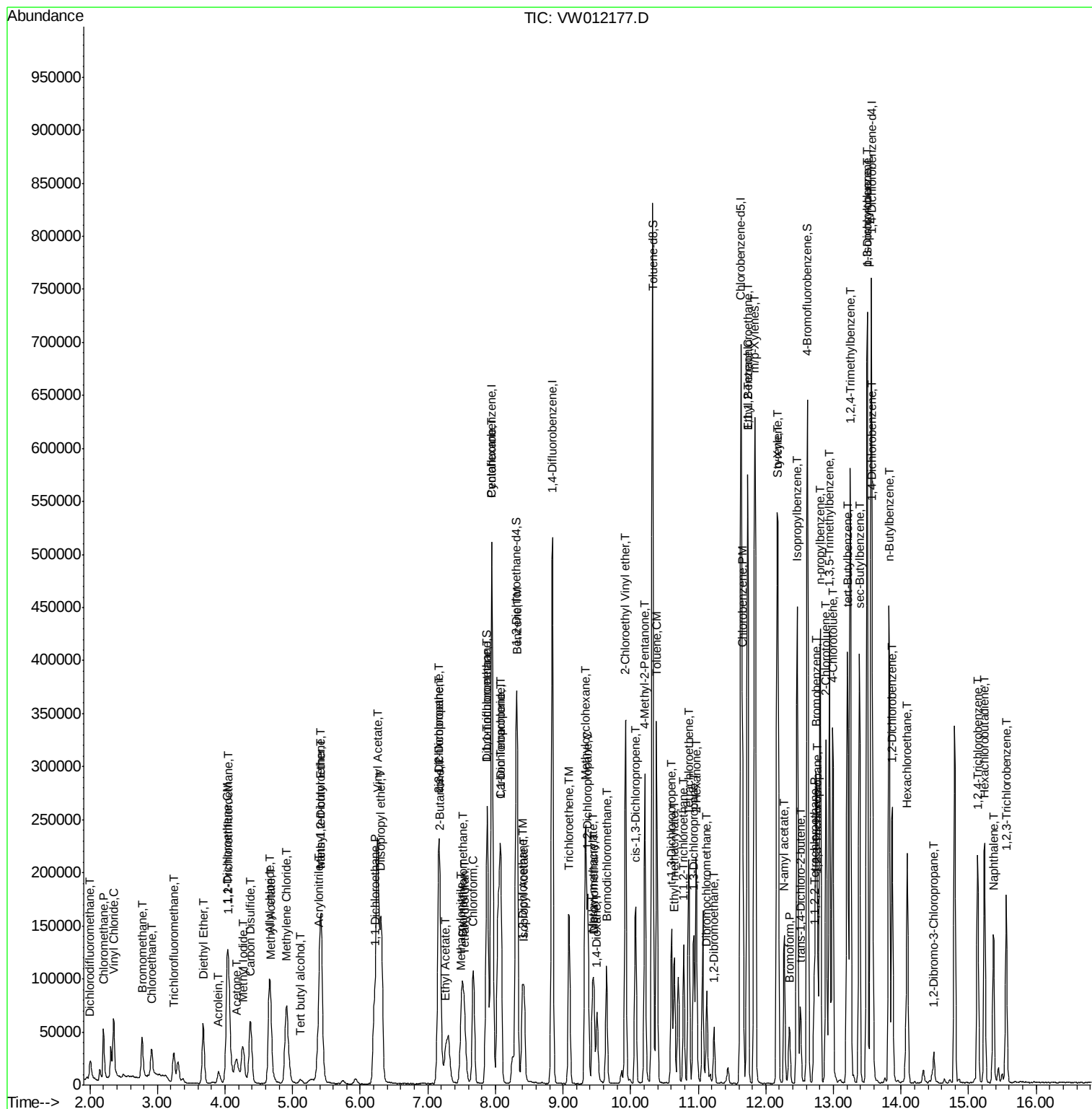
Instrument :
MSVOA_W
ClientSampleId :
VW0826SBSD02

Quant Time: Aug 27 04:57:29 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)
93) 1,2,4-Trichlorobenzene	15.13	180	66812	20.349	ug/l	99
94) Hexachlorobutadiene	15.24	225	44697	20.617	ug/l	98
95) Naphthalene	15.36	128	113808	20.459	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	59022	20.604	ug/l	99

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

Instrument :

MSVOA_W

ClientSampleId :

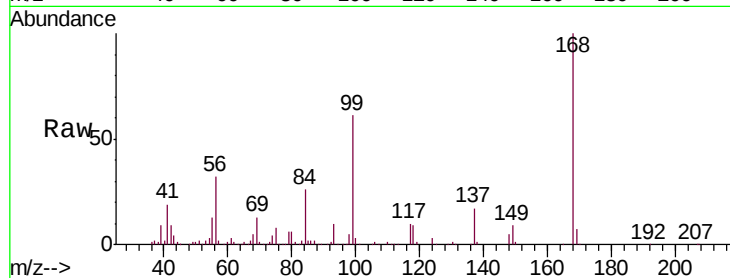
VW0826SBSD02

Tgt Ion:168 Resp: 253706

Ion Ratio Lower Upper

168 100

99 60.8 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

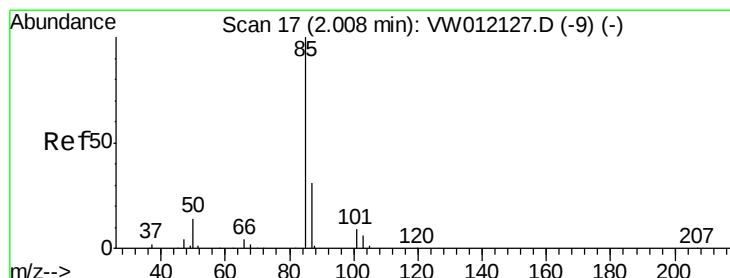
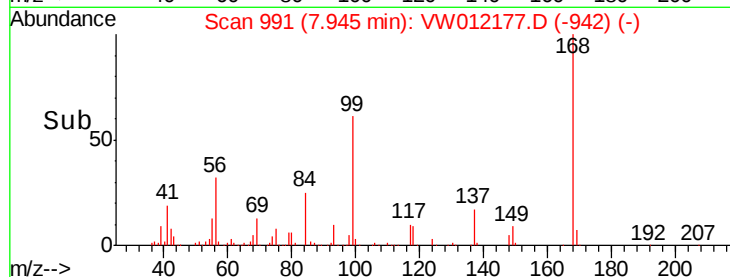
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 18.485 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012177.D

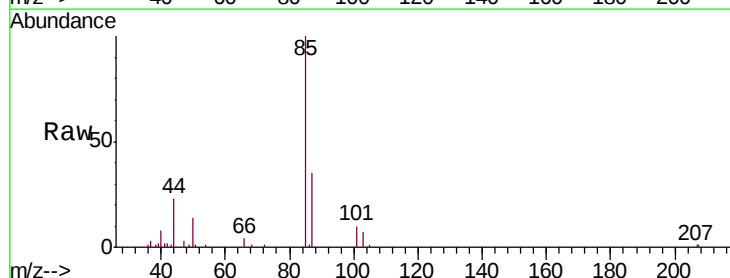
Acq: 26 Aug 2019 18:14

Tgt Ion: 85 Resp: 28876

Ion Ratio Lower Upper

85 100

87 35.4 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

10000

8000

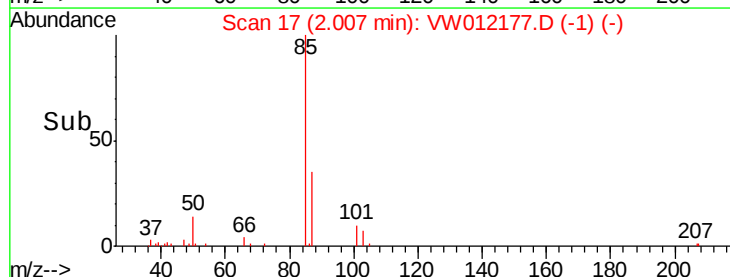
6000

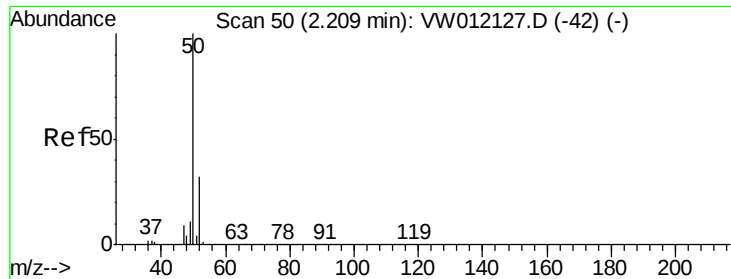
4000

2000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 18.435 ug/l

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

Instrument :

MSVOA_W

ClientSampleId :

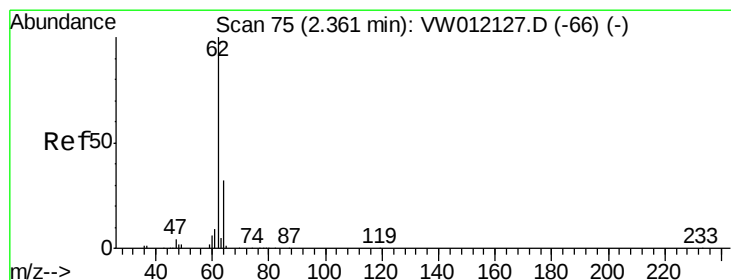
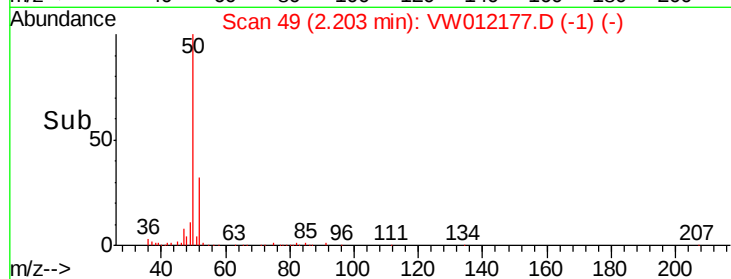
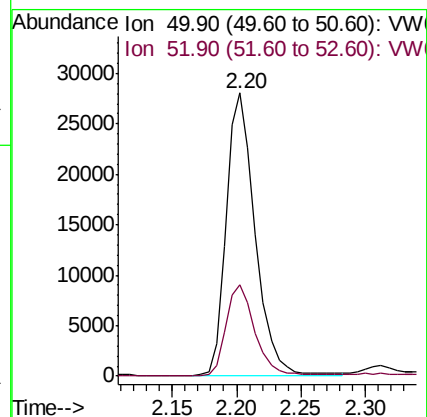
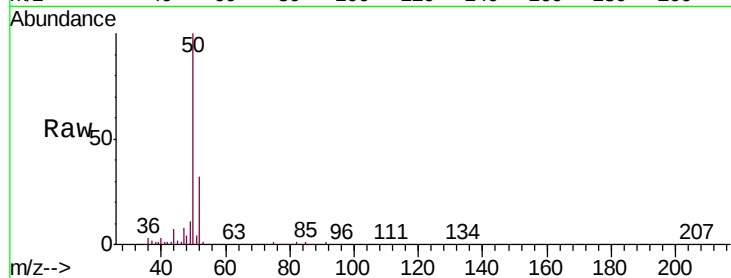
VW0826SBS02

Tgt Ion: 50 Resp: 44616

Ion Ratio Lower Upper

50 100

52 32.2 25.5 38.3



#4

Vinyl Chloride

Concen: 18.060 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.01 min

Lab File: VW012177.D

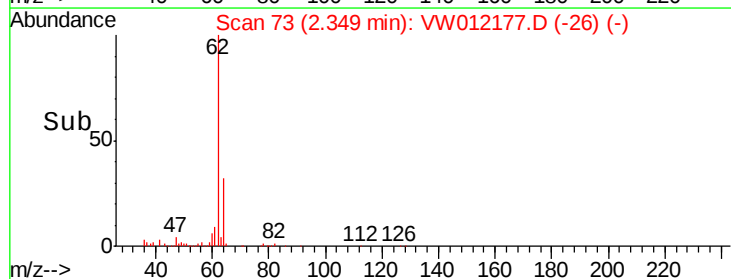
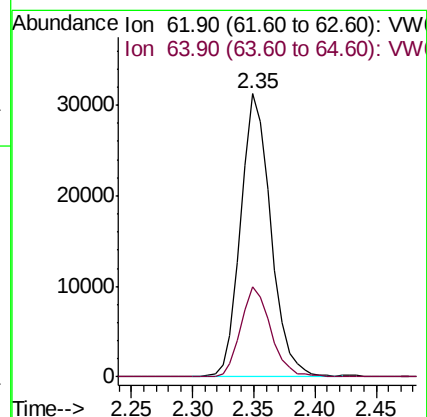
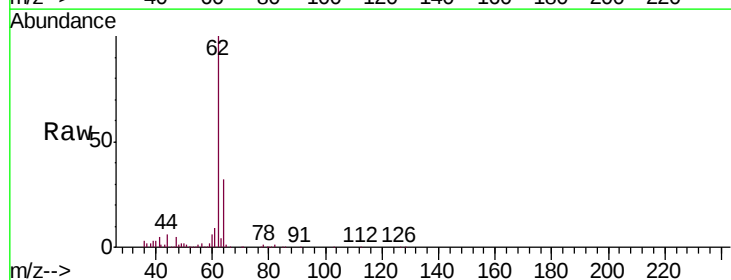
Acq: 26 Aug 2019 18:14

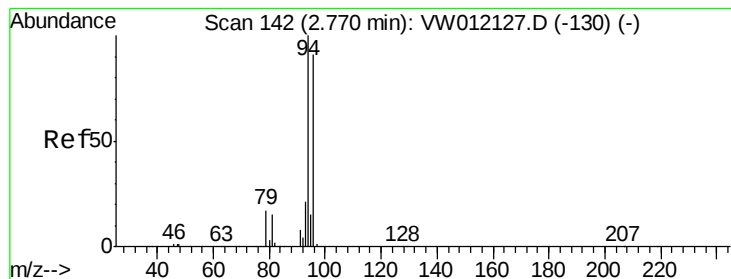
Tgt Ion: 62 Resp: 53500

Ion Ratio Lower Upper

62 100

64 31.5 25.3 37.9





#5

Bromomethane

Concen: 19.359 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

Instrument :

MSVOA_W

ClientSampleId :

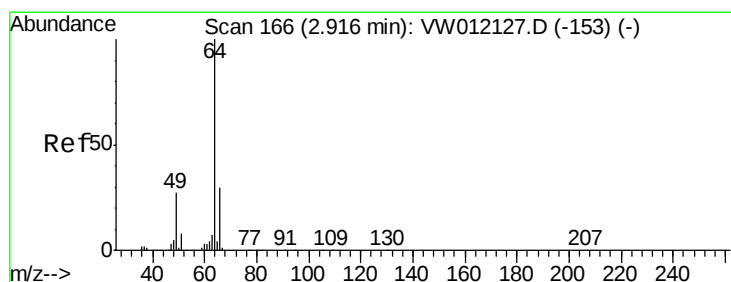
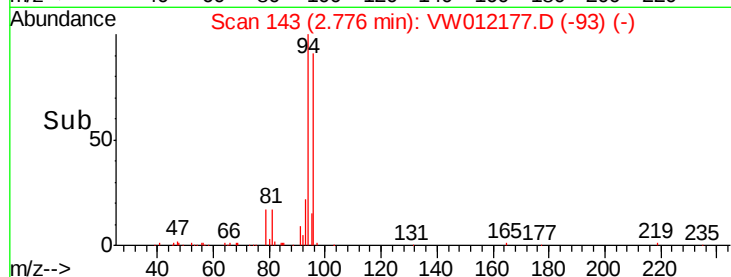
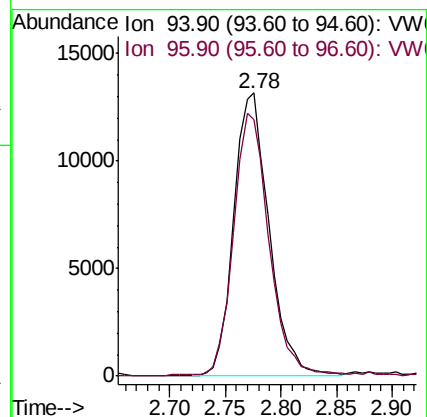
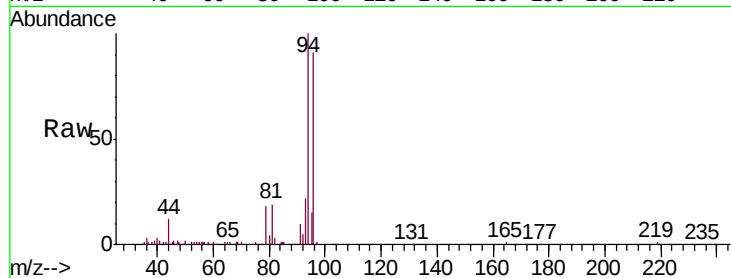
VW0826SBSD02

Tgt Ion: 94 Resp: 29043

Ion Ratio Lower Upper

94 100

96 90.3 72.9 109.3



#6

Chloroethane

Concen: 17.887 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW012177.D

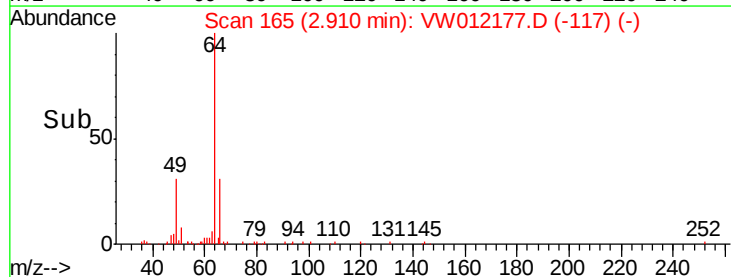
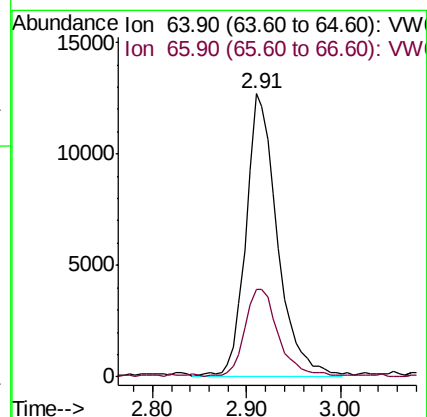
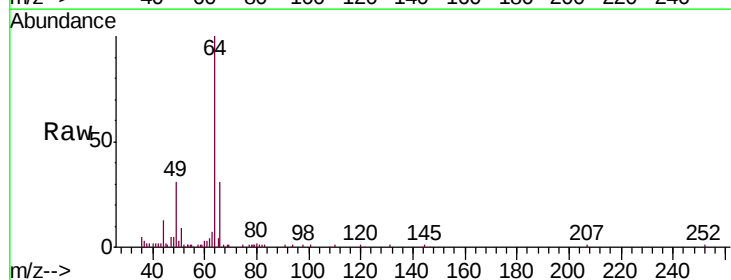
Acq: 26 Aug 2019 18:14

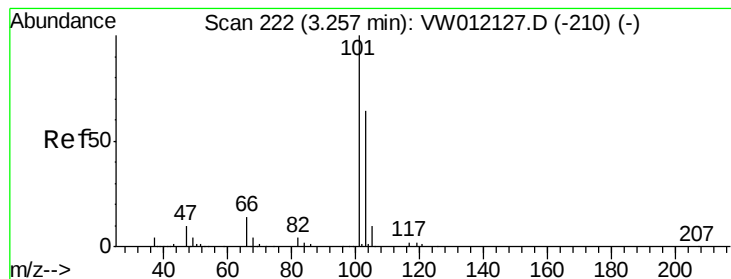
Tgt Ion: 64 Resp: 29890

Ion Ratio Lower Upper

64 100

66 30.3 23.8 35.8



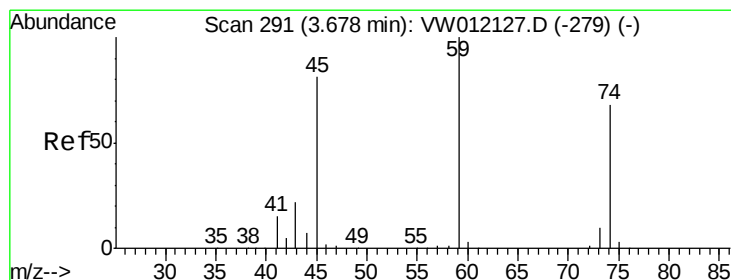
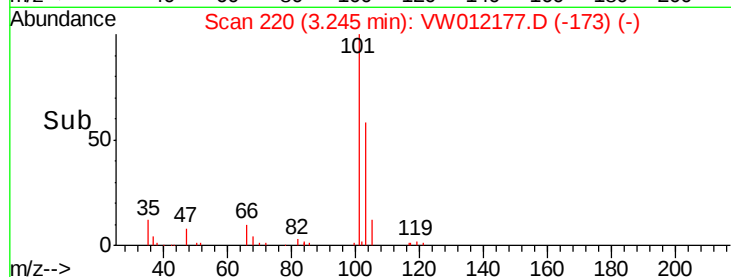
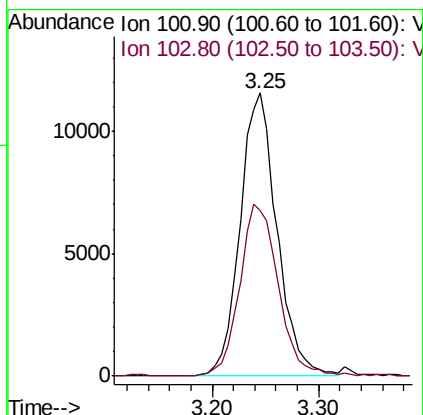
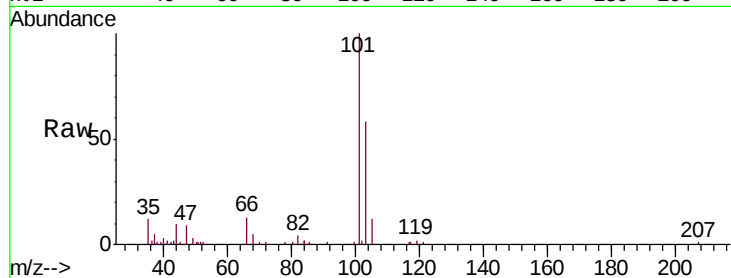


#7

Trichlorofluoromethane
 Concen: 18.886 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW012177.D
 Acq: 26 Aug 2019 18:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0826SBSD02

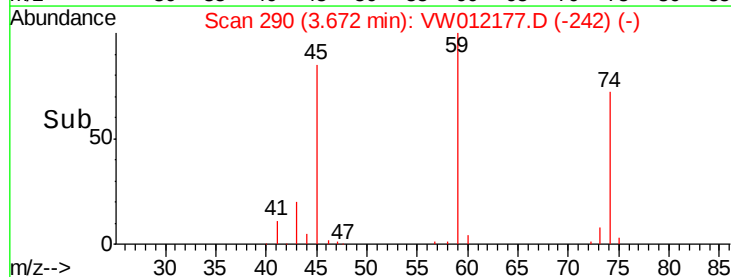
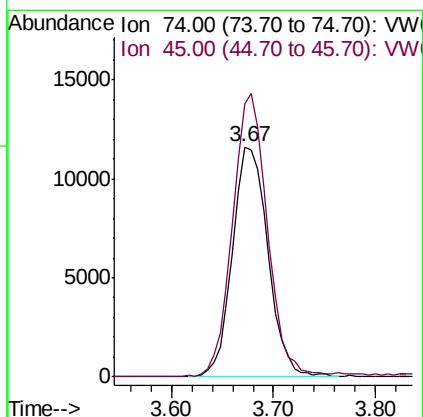
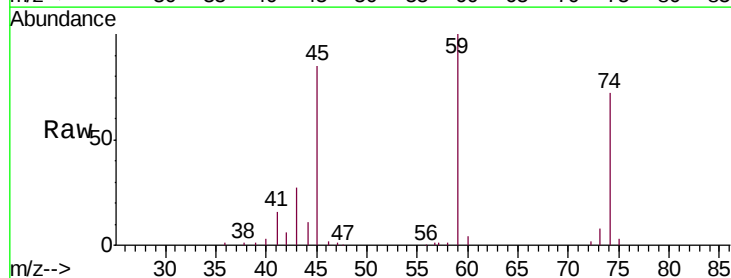
Tgt Ion:101 Resp: 28092
 Ion Ratio Lower Upper
 101 100
 103 58.4 51.2 76.8

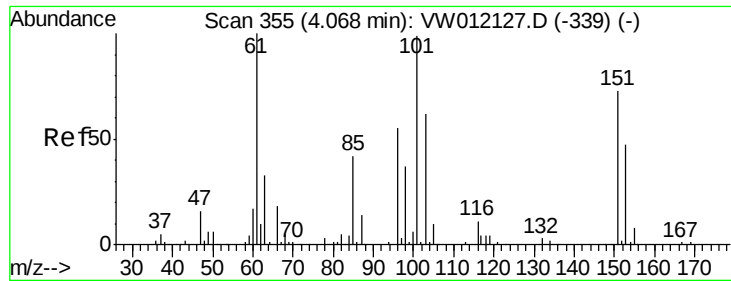


#8

Diethyl Ether
 Concen: 19.866 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW012177.D
 Acq: 26 Aug 2019 18:14

Tgt Ion: 74 Resp: 28048
 Ion Ratio Lower Upper
 74 100
 45 120.8 59.2 177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.909 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBS02

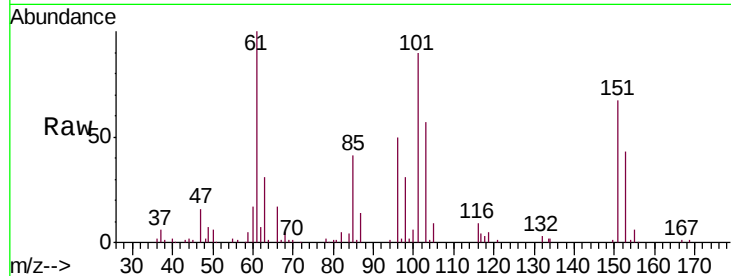
Tgt Ion:101 Resp: 50336

Ion Ratio Lower Upper

101 100

85 45.7 35.8 53.6

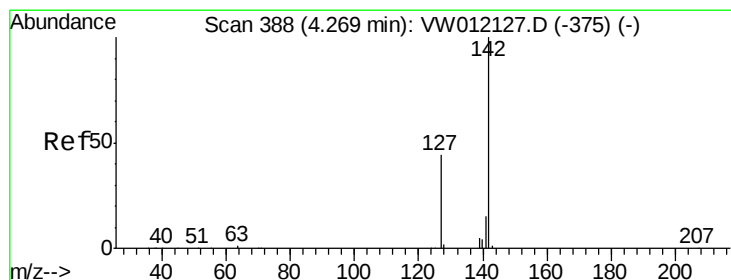
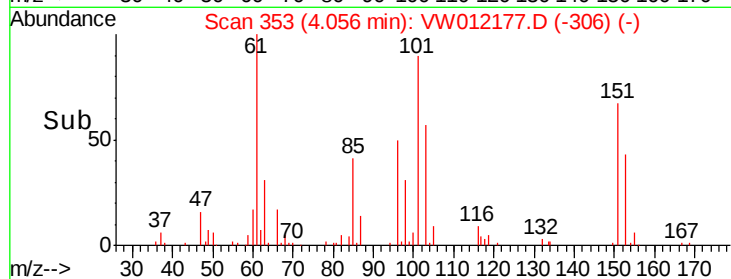
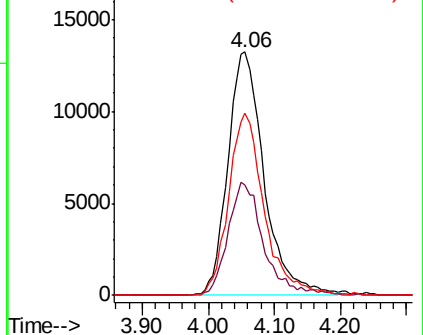
151 73.5 58.6 87.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.575 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

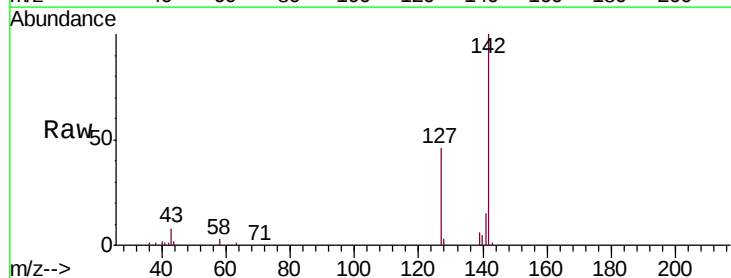
Tgt Ion:142 Resp: 63544

Ion Ratio Lower Upper

142 100

127 45.1 35.5 53.3

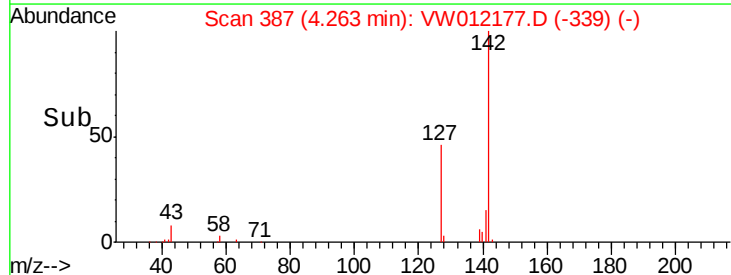
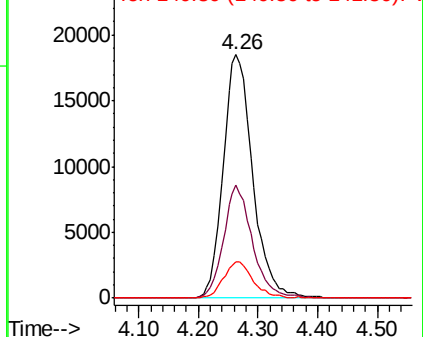
141 14.9 11.8 17.8

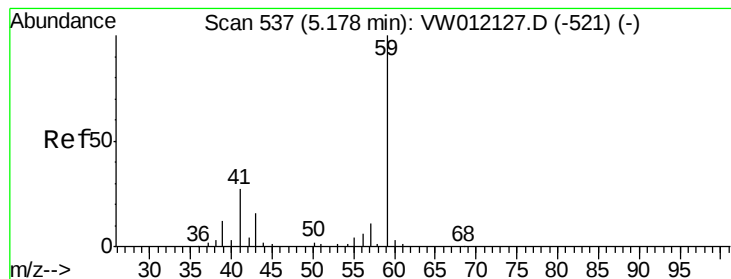


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



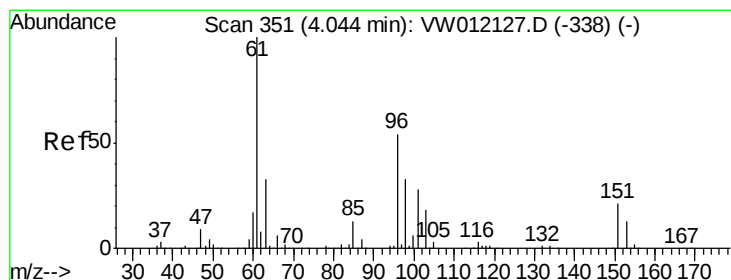
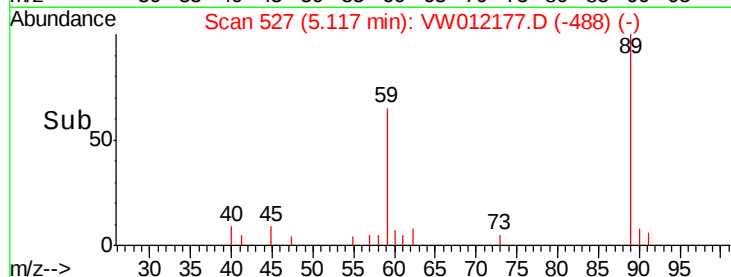
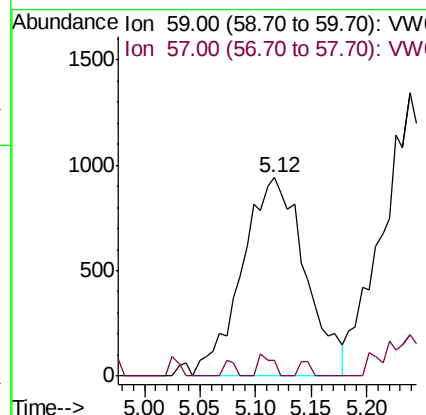
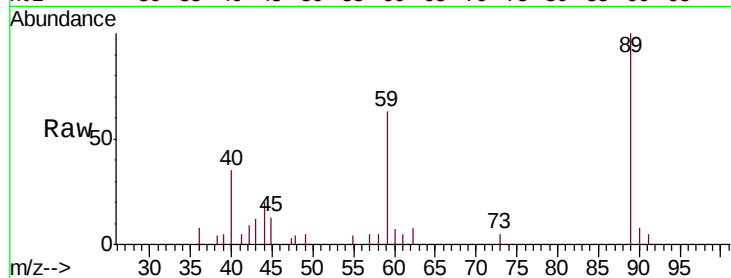


#11

Tert butyl alcohol
 Concen: 20.513 ug/l
 RT: 5.12 min Scan# 527
 Delta R.T. -0.06 min
 Lab File: VW012177.D
 Acq: 26 Aug 2019 18:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0826SBSD02

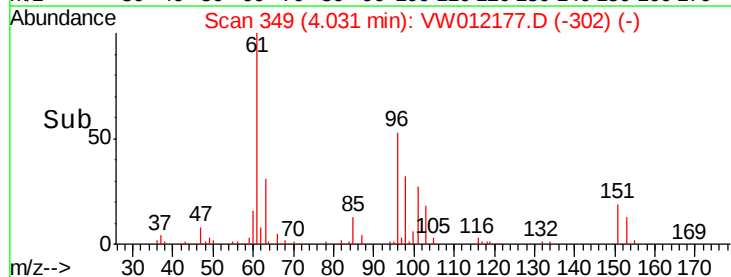
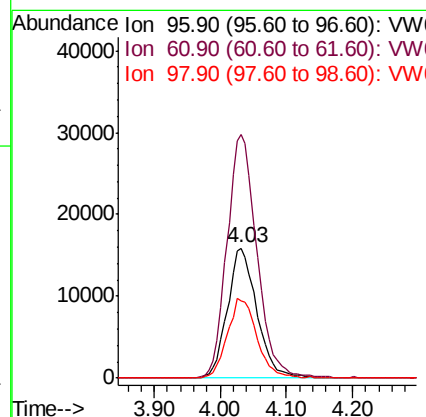
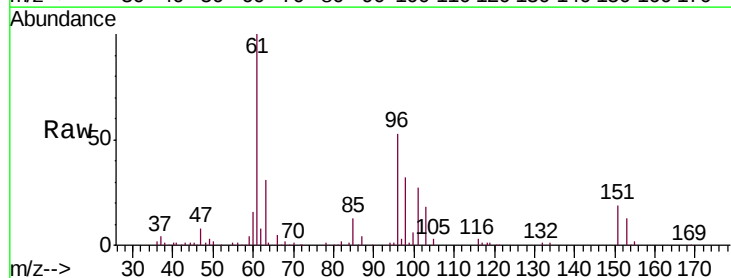
Tgt Ion: 59 Resp: 3723
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.4#

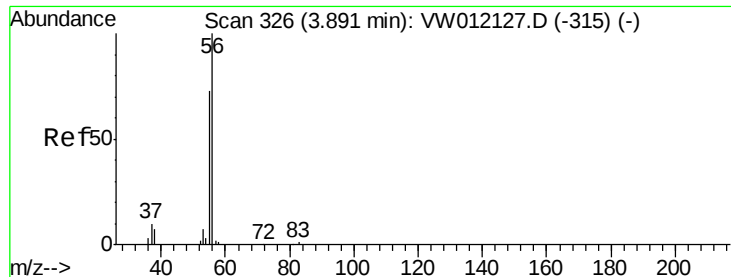


#12

1,1-Dichloroethene
 Concen: 19.335 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW012177.D
 Acq: 26 Aug 2019 18:14

Tgt Ion: 96 Resp: 49203
 Ion Ratio Lower Upper
 96 100
 61 187.3 149.1 223.7
 98 59.2 49.4 74.2





#13

Acrolein

Concen: 95.366 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.01 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

Instrument :

MSVOA_W

ClientSampleId :

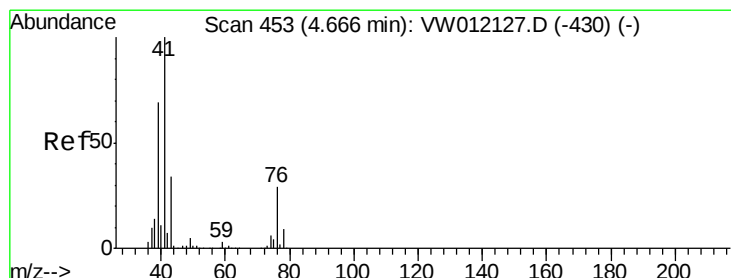
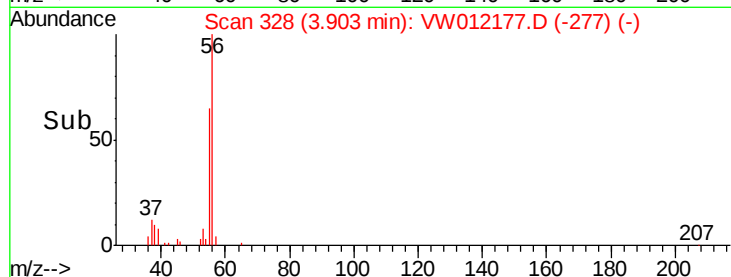
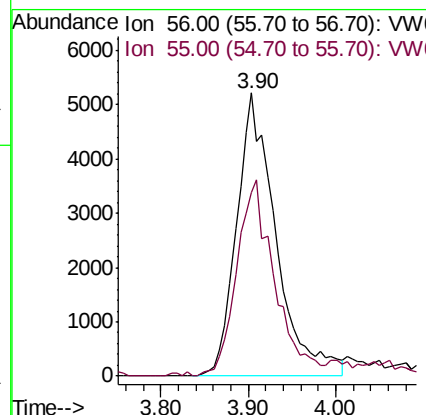
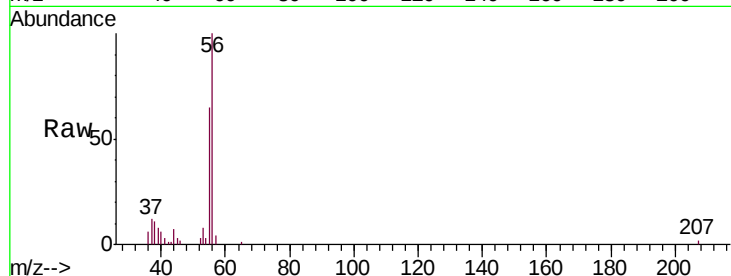
VW0826SBSD02

Tgt Ion: 56 Resp: 16293

Ion Ratio Lower Upper

56 100

55 66.4 55.8 83.8



#14

Allyl chloride

Concen: 19.196 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

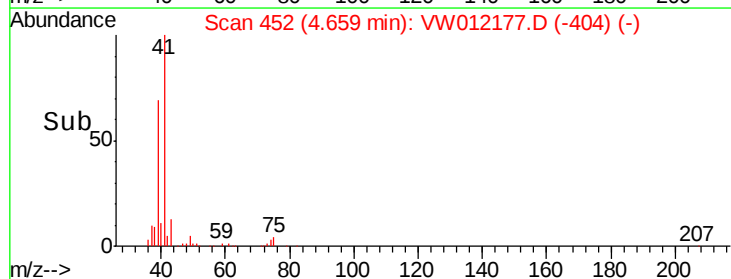
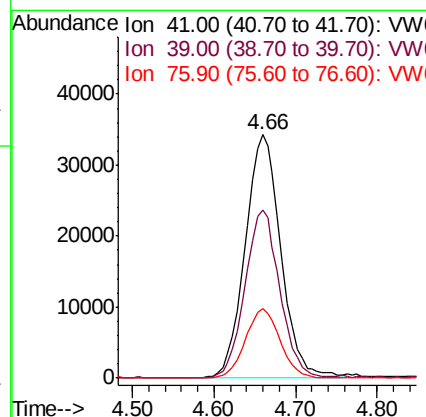
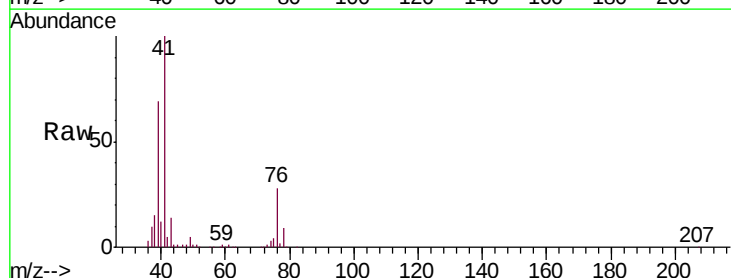
Tgt Ion: 41 Resp: 104436

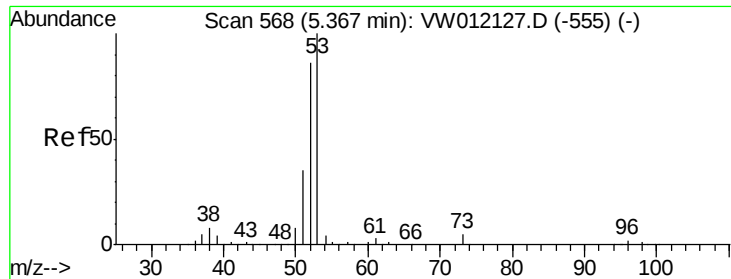
Ion Ratio Lower Upper

41 100

39 67.4 53.4 80.2

76 27.7 22.1 33.1





#15

Acrylonitrile

Concen: 94.579 ug/l

RT: 5.38 min Scan# 571

Delta R.T. 0.02 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBSD02

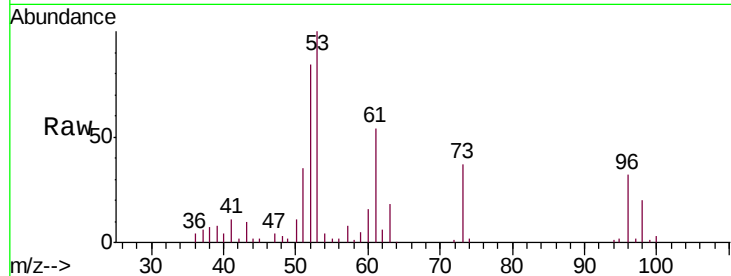
Tgt Ion: 53 Resp: 66187

Ion Ratio Lower Upper

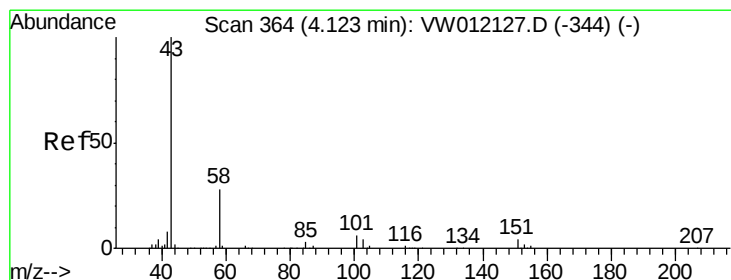
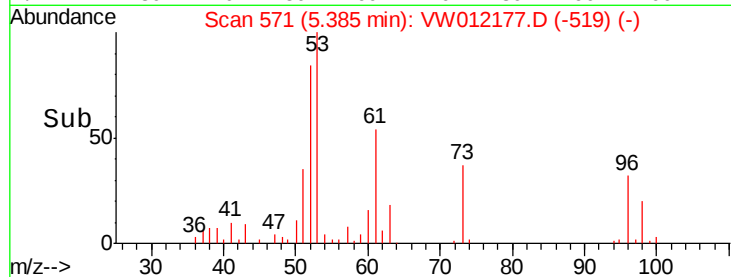
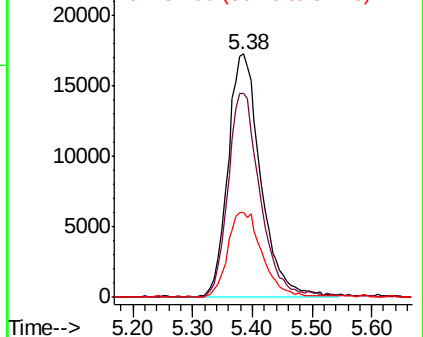
53 100

52 81.2 66.7 100.1

51 37.0 30.1 45.1



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



#16

Acetone

Concen: 83.435 ug/l

RT: 4.17 min Scan# 371

Delta R.T. 0.04 min

Lab File: VW012177.D

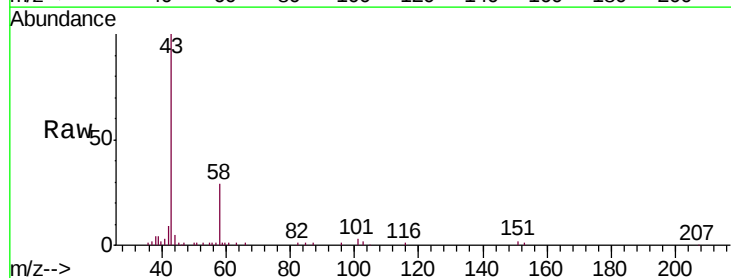
Acq: 26 Aug 2019 18:14

Tgt Ion: 43 Resp: 64323

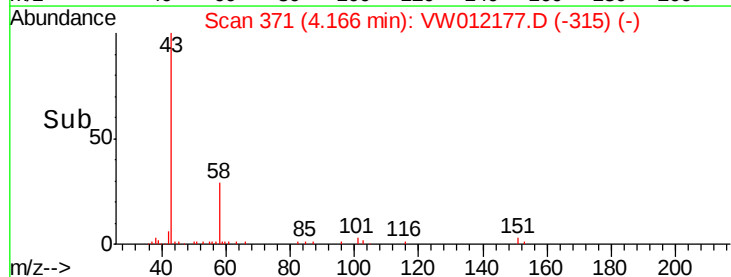
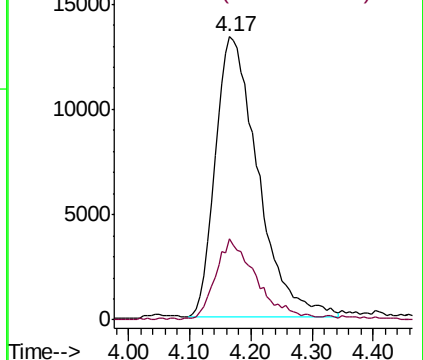
Ion Ratio Lower Upper

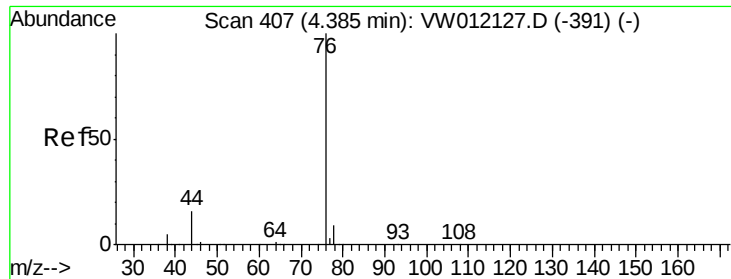
43 100

58 28.6 22.4 33.6



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

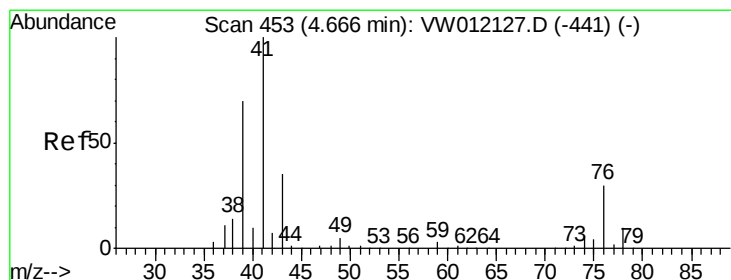
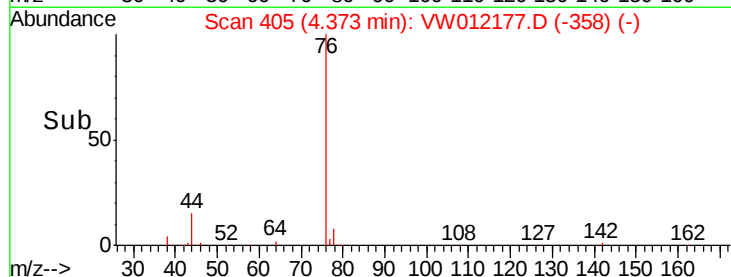
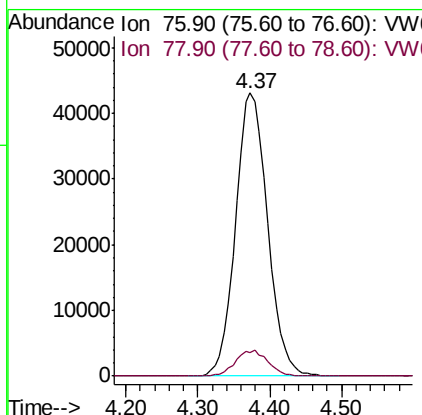
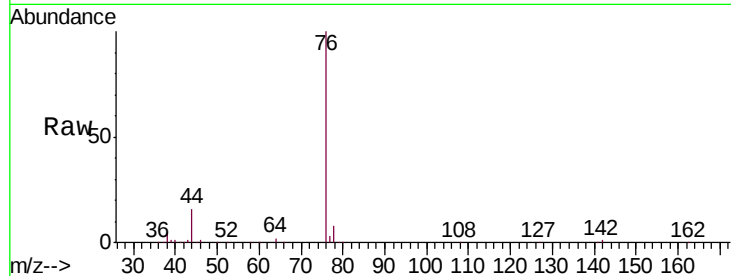




#17
Carbon Disulfide
Concen: 17.297 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW012177.D
Acq: 26 Aug 2019 18:14

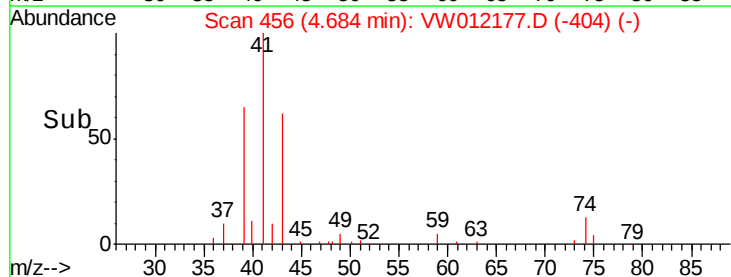
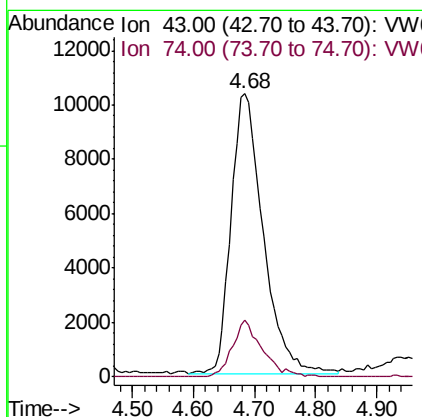
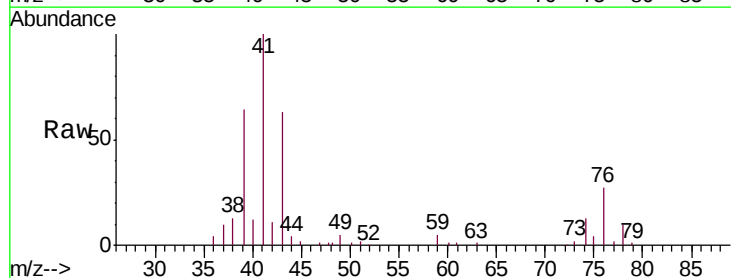
Instrument :
MSVOA_W
ClientSampleId :
VW0826SBSD02

Tgt Ion: 76 Resp: 133025
Ion Ratio Lower Upper
76 100
78 8.4 7.3 10.9



#18
Methyl Acetate
Concen: 19.449 ug/l
RT: 4.68 min Scan# 456
Delta R.T. 0.02 min
Lab File: VW012177.D
Acq: 26 Aug 2019 18:14

Tgt Ion: 43 Resp: 37138
Ion Ratio Lower Upper
43 100
74 18.8 15.7 23.5

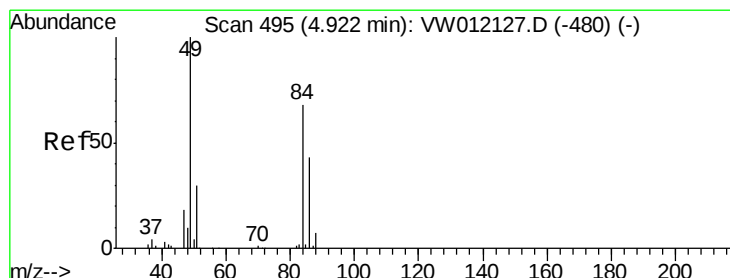
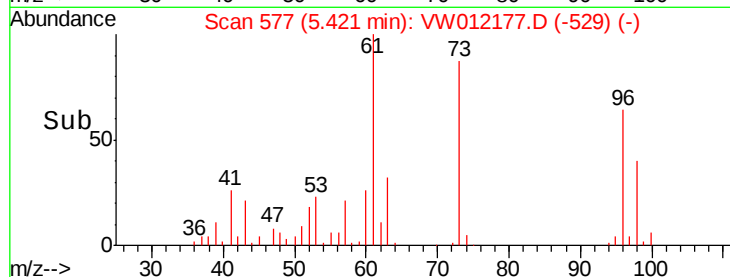
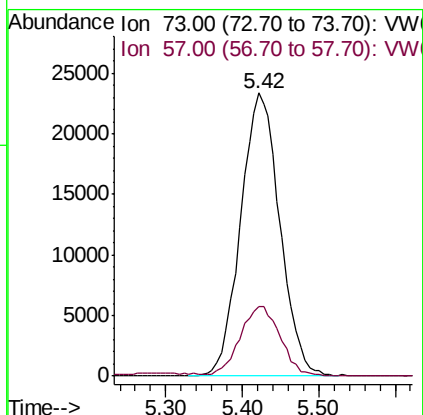
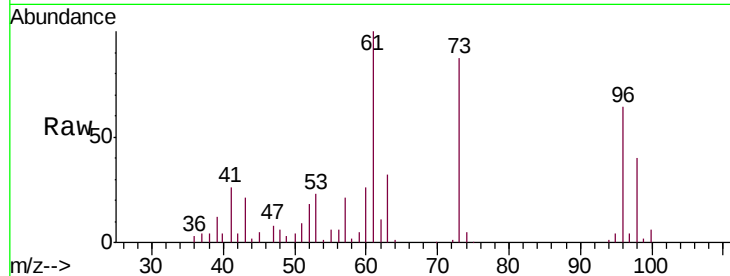




#19
Methyl tert-butyl Ether
Concen: 20.156 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012177.D
Acq: 26 Aug 2019 18:14

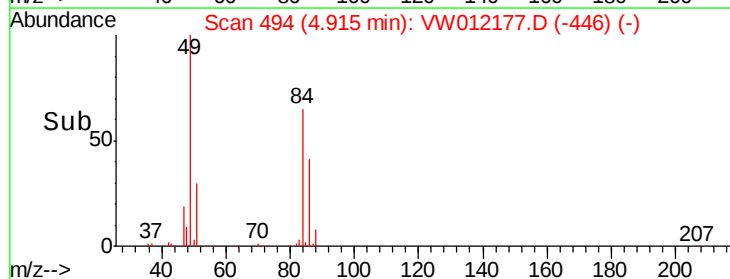
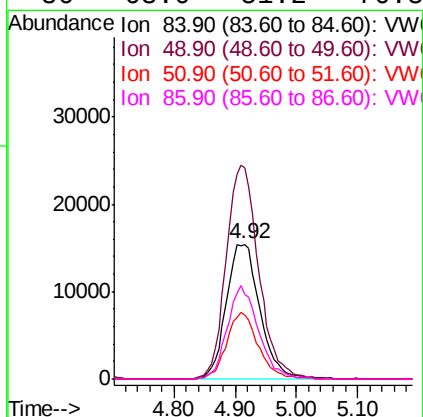
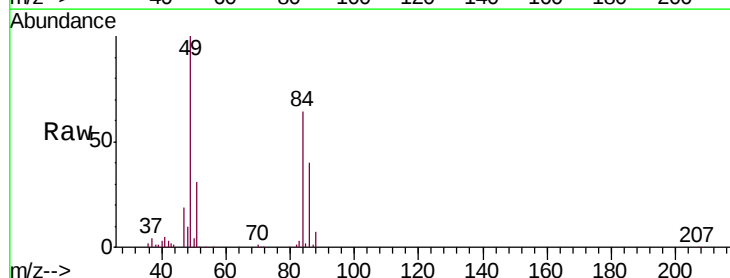
Instrument :
MSVOA_W
ClientSampleId :
VW0826SBS02

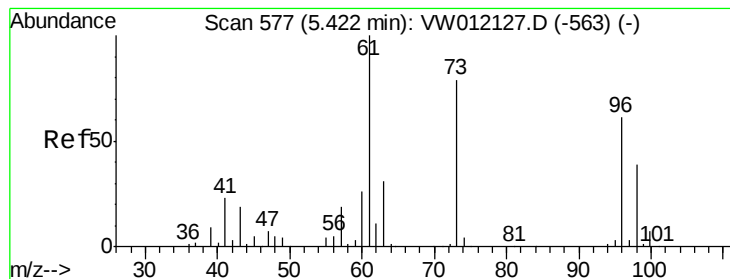
Tgt Ion: 73 Resp: 82950
Ion Ratio Lower Upper
73 100
57 24.8 18.9 28.3



#20
Methylene Chloride
Concen: 20.087 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012177.D
Acq: 26 Aug 2019 18:14

Tgt Ion: 84 Resp: 58544
Ion Ratio Lower Upper
84 100
49 156.9 117.8 176.8
51 47.9 35.6 53.4
86 63.0 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 19.273 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBSD02

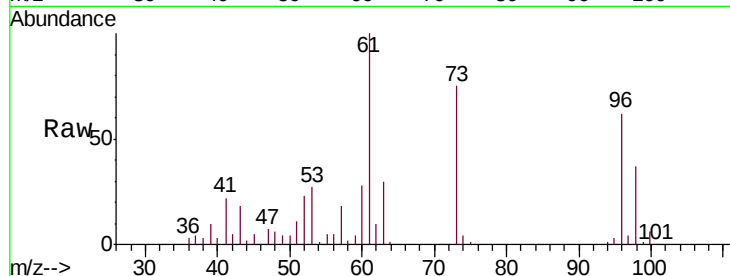
Tgt Ion: 96 Resp: 52593

Ion Ratio Lower Upper

96 100

61 162.5 131.4 197.0

98 59.9 51.4 77.0

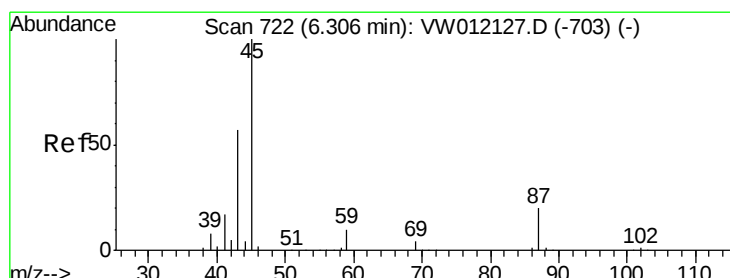
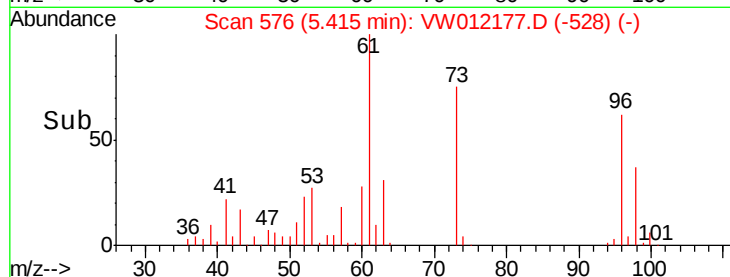
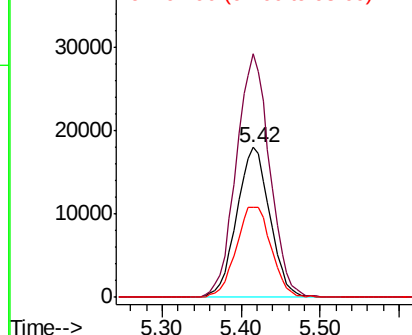


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 20.491 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

Tgt Ion: 45 Resp: 206635

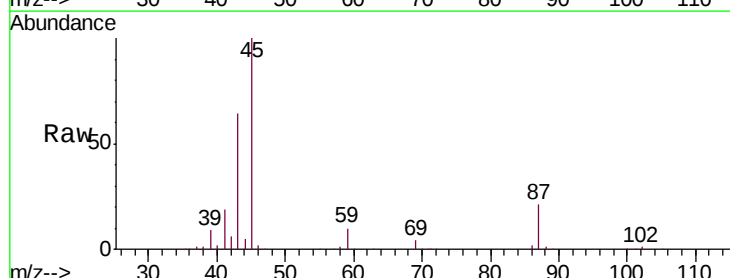
Ion Ratio Lower Upper

45 100

43 64.0 45.5 68.3

87 20.5 16.1 24.1

59 10.3 8.2 12.2



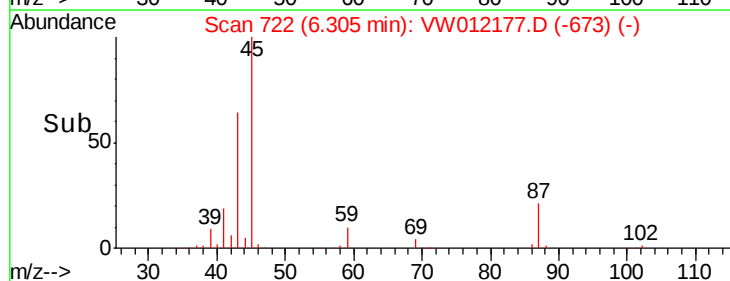
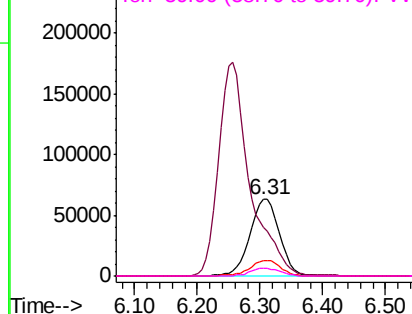
Abundance

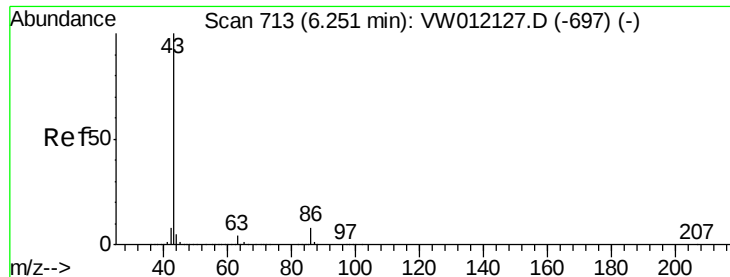
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 98.086 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

Instrument :

MSVOA_W

ClientSampleId :

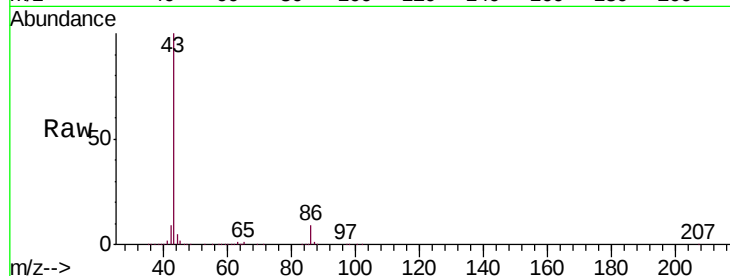
VW0826SBS02

Tgt Ion: 43 Resp: 608724

Ion Ratio Lower Upper

43 100

86 8.7 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

200000

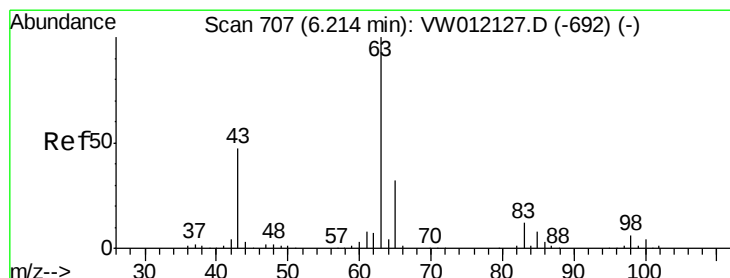
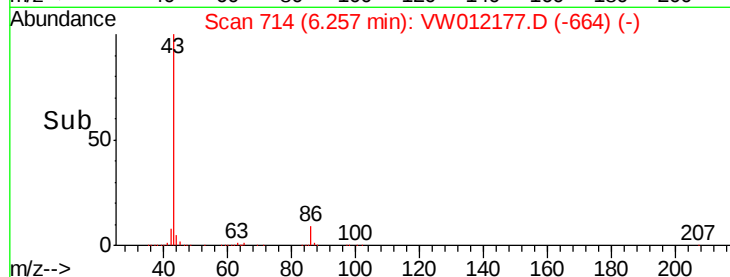
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.105 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

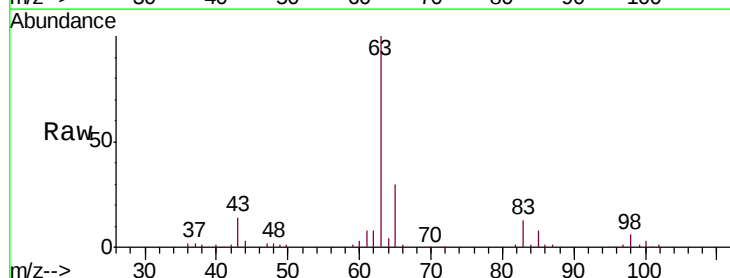
Tgt Ion: 63 Resp: 110391

Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.2

100 3.5 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

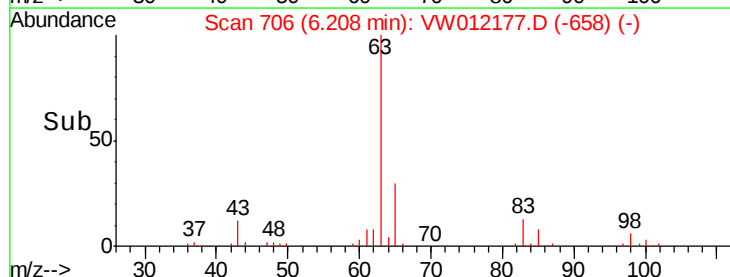
30000

20000

10000

0

Time-->





#25

2-Butanone

Concen: 92.022 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

Instrument :

MSVOA_W

ClientSampleId :

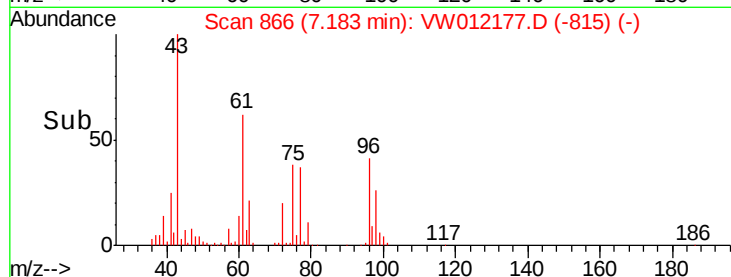
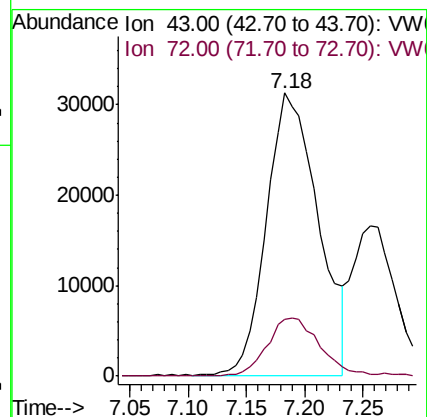
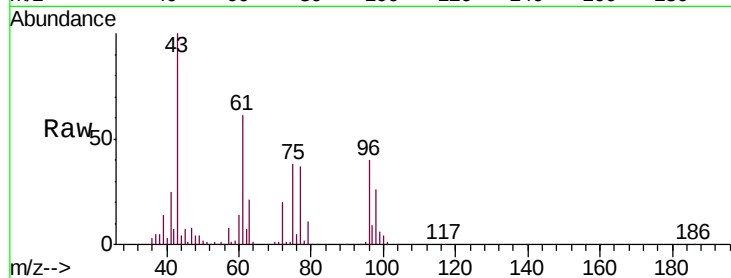
VW0826SBS02

Tgt Ion: 43 Resp: 96404

Ion Ratio Lower Upper

43 100

72 20.1 16.6 24.8



#26

2,2-Dichloropropane

Concen: 20.895 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW012177.D

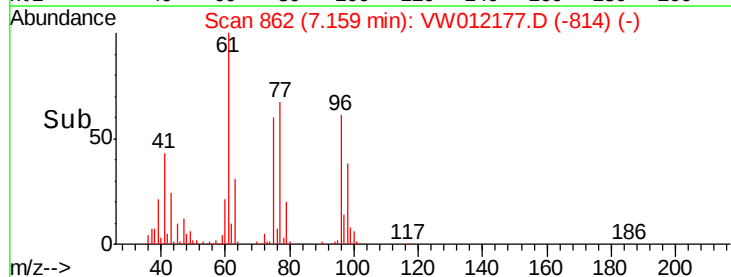
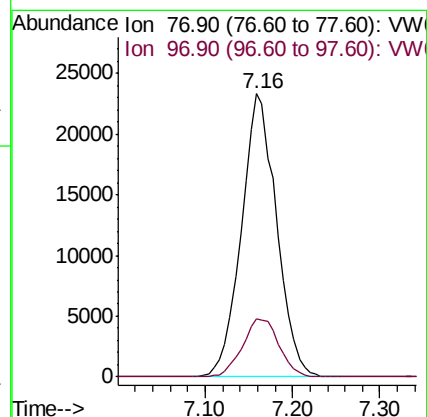
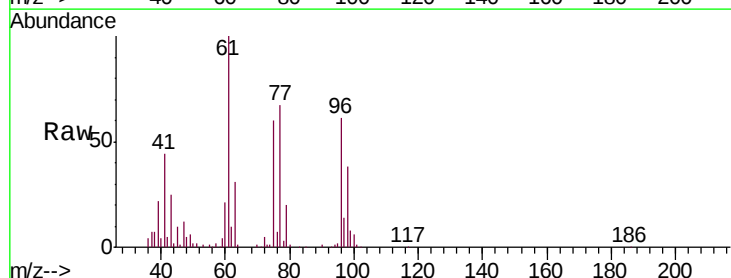
Acq: 26 Aug 2019 18:14

Tgt Ion: 77 Resp: 64939

Ion Ratio Lower Upper

77 100

97 21.5 11.1 33.1



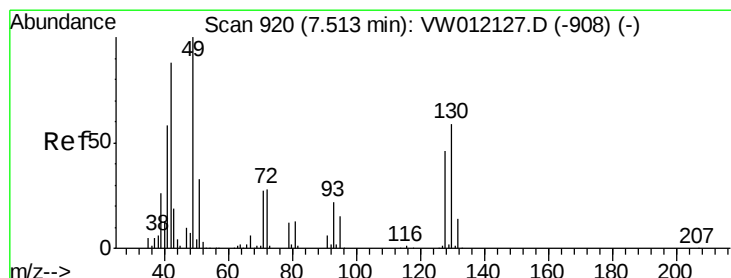
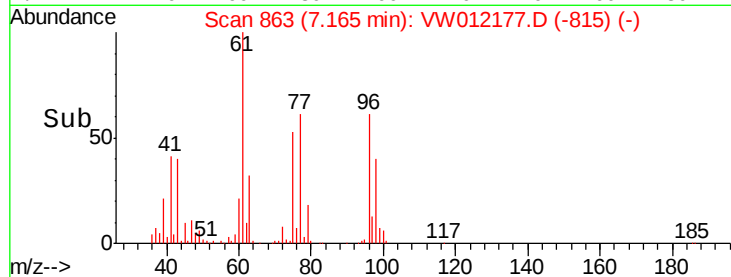
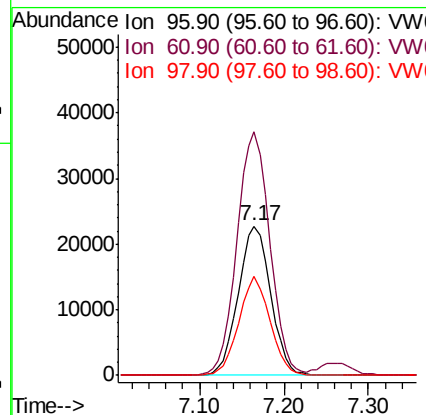
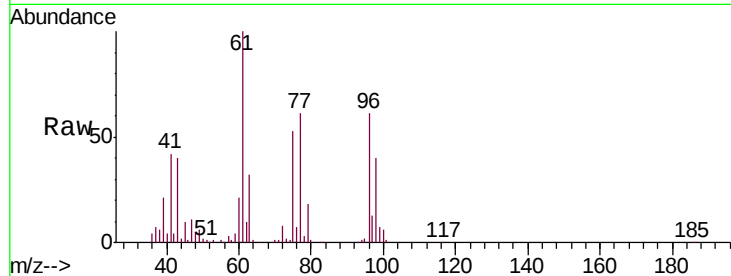


#27

cis-1,2-Dichloroethene
Concen: 20.273 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012177.D
Acq: 26 Aug 2019 18:14

Instrument :
MSVOA_W
ClientSampleId :
VW0826SBSD02

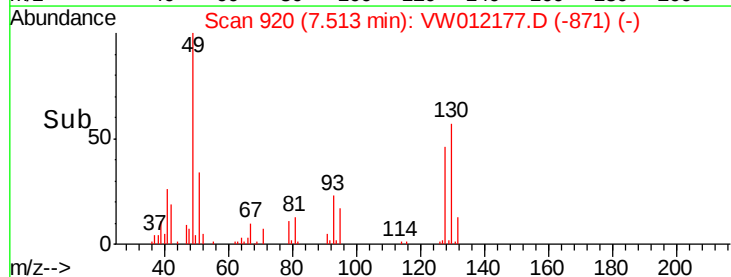
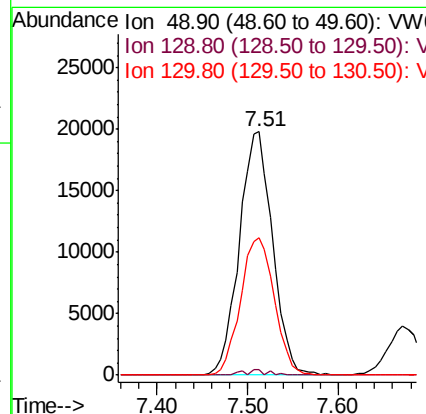
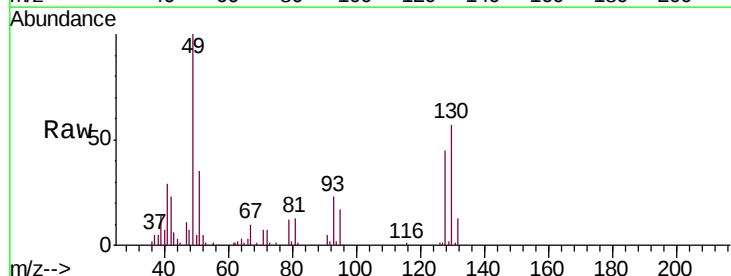
Tgt Ion: 96 Resp: 59109
Ion Ratio Lower Upper
96 100
61 165.6 0.0 326.6
98 63.7 0.0 127.4

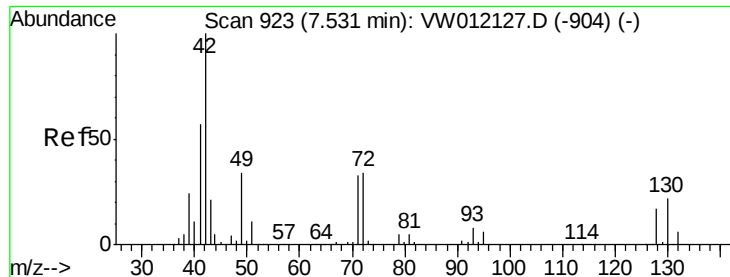


#28

Bromochloromethane
Concen: 21.033 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW012177.D
Acq: 26 Aug 2019 18:14

Tgt Ion: 49 Resp: 50334
Ion Ratio Lower Upper
49 100
129 1.4 0.0 1.4
130 57.5 45.5 68.3





#29

Tetrahydrofuran

Concen: 92.972 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBS02

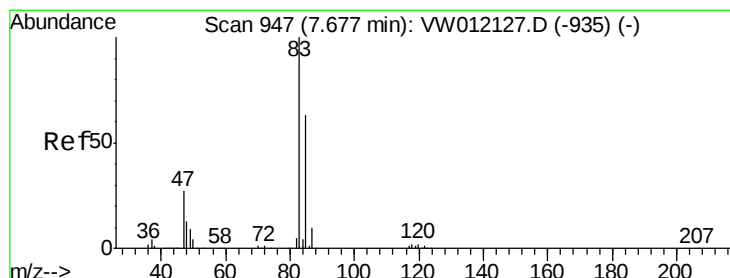
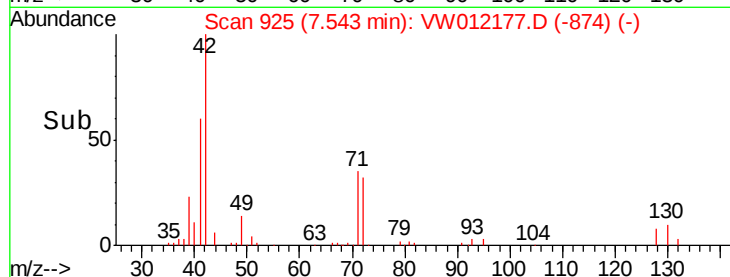
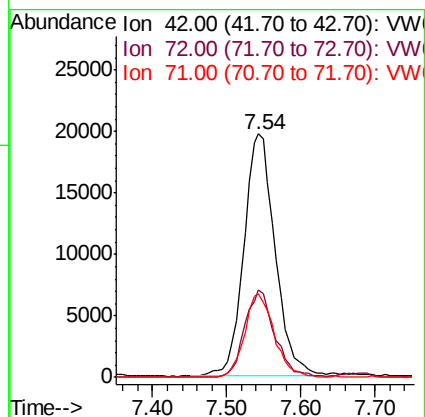
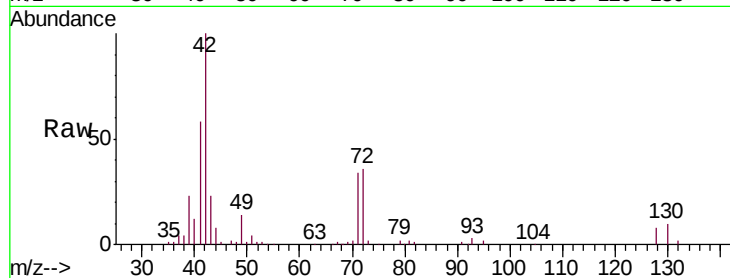
Tgt Ion: 42 Resp: 58435

Ion Ratio Lower Upper

42 100

72 34.4 27.3 40.9

71 32.5 25.5 38.3



#30

Chloroform

Concen: 20.425 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW012177.D

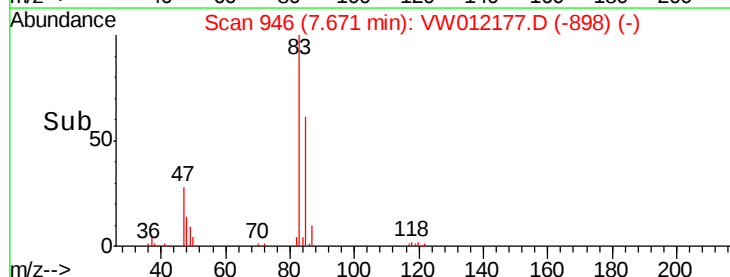
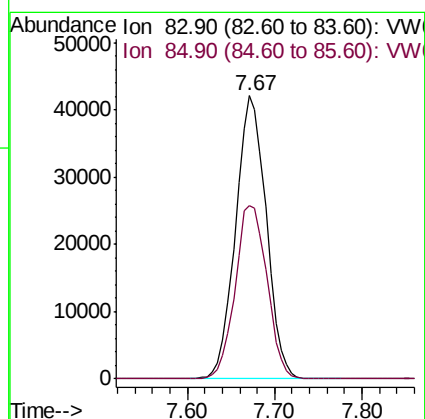
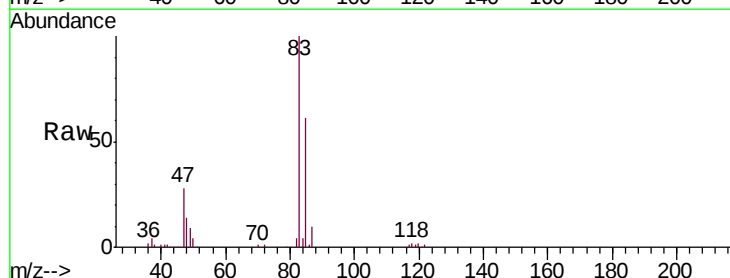
Acq: 26 Aug 2019 18:14

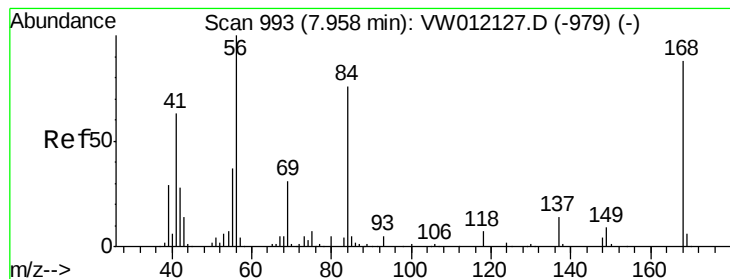
Tgt Ion: 83 Resp: 102602

Ion Ratio Lower Upper

83 100

85 61.2 50.6 76.0





#31

Cyclohexane

Concen: 18.875 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBSD02

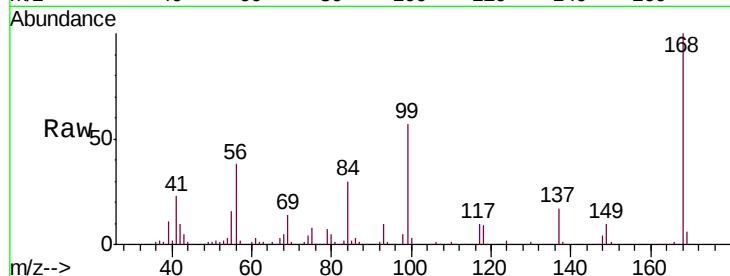
Tgt Ion: 56 Resp: 102537

Ion Ratio Lower Upper

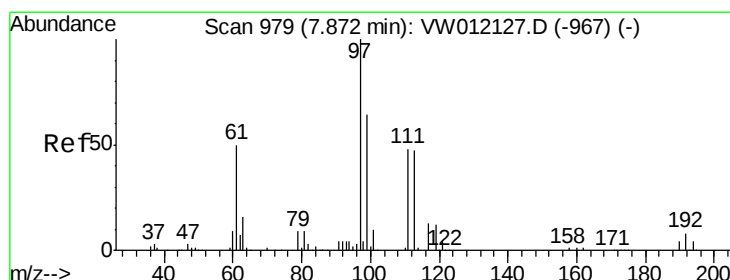
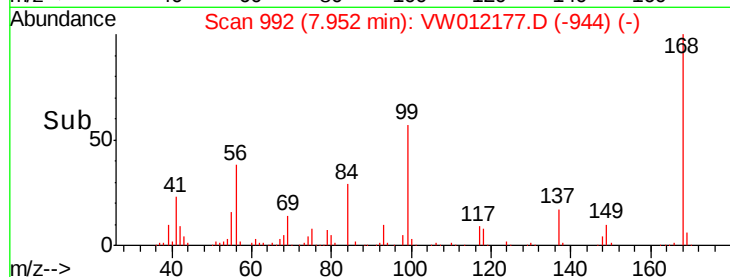
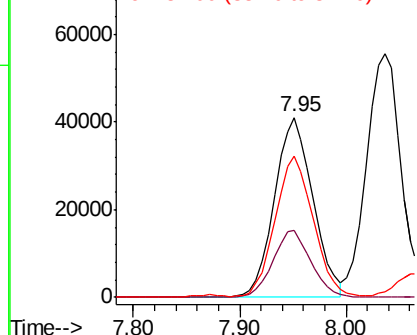
56 100

69 37.4 24.9 37.3#

84 77.6 60.6 90.8



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



#32

1,1,1-Trichloroethane

Concen: 20.208 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

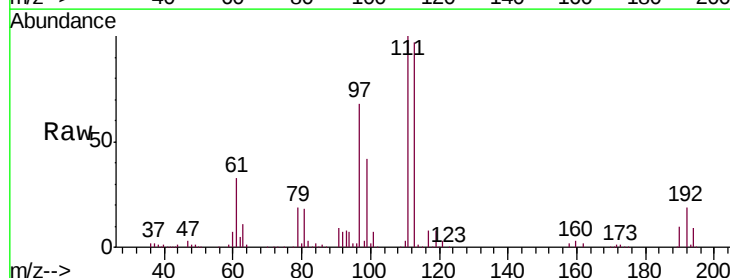
Tgt Ion: 97 Resp: 80307

Ion Ratio Lower Upper

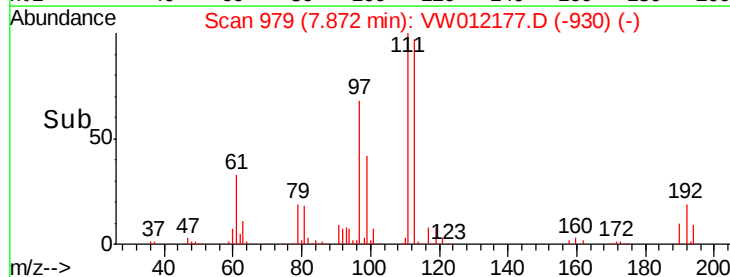
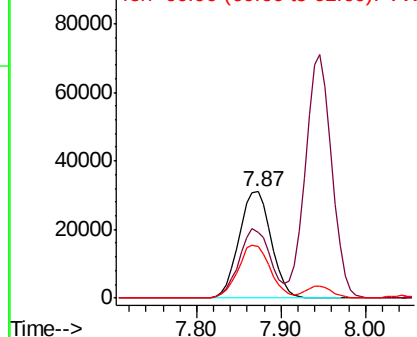
97 100

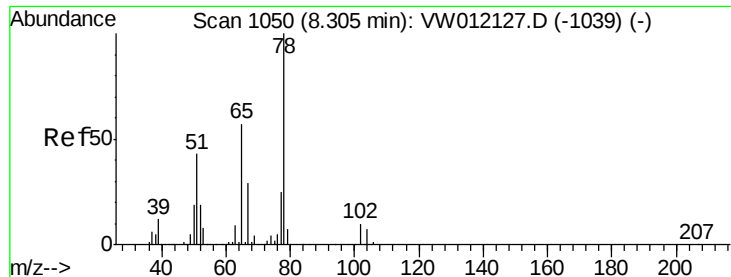
99 63.1 51.4 77.0

61 49.8 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

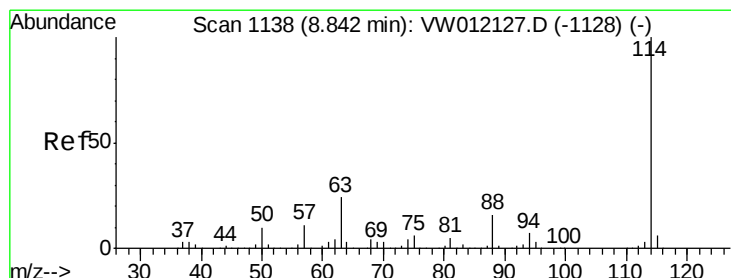
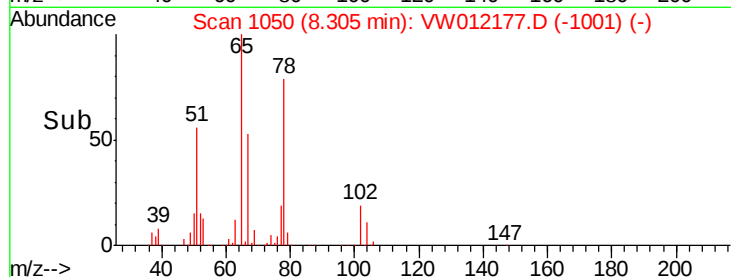
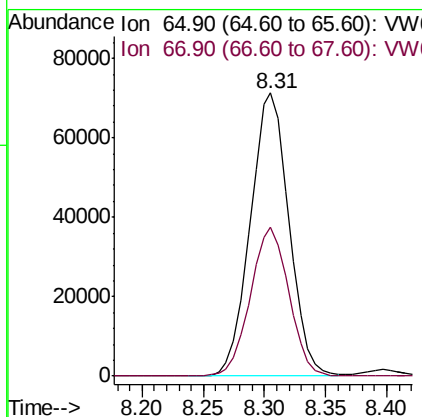
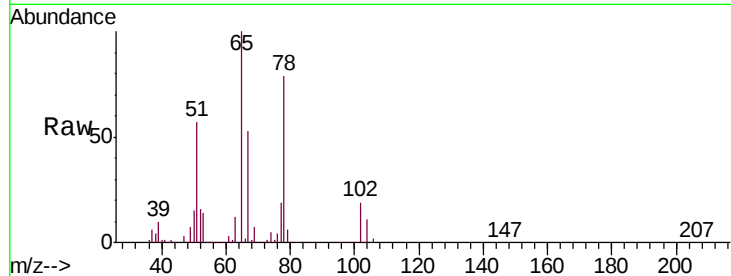




#33
 1,2-Dichloroethane-d4
 Concen: 51.904 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012177.D
 Acq: 26 Aug 2019 18:14

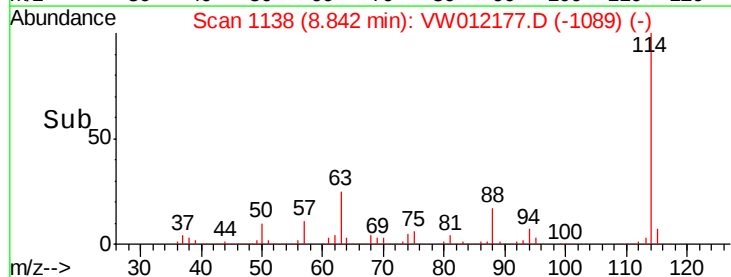
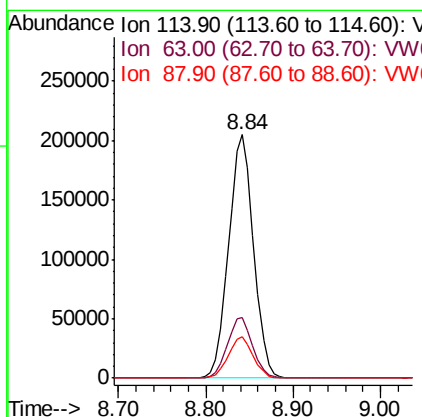
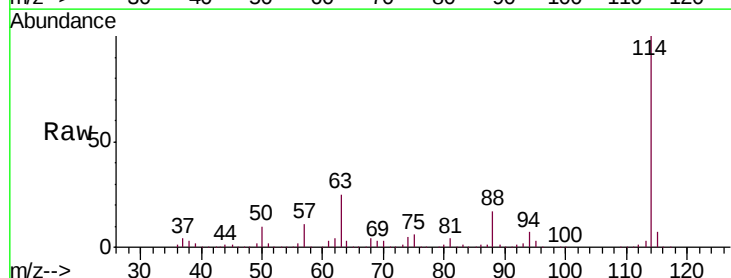
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0826SBSD02

Tgt Ion: 65 Resp: 156541
 Ion Ratio Lower Upper
 65 100
 67 52.8 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: VW012177.D
 Acq: 26 Aug 2019 18:14

Tgt Ion: 114 Resp: 405632
 Ion Ratio Lower Upper
 114 100
 63 24.7 0.0 48.6
 88 16.8 0.0 32.2





#35

Dibromofluoromethane

Concen: 52.241 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBSD02

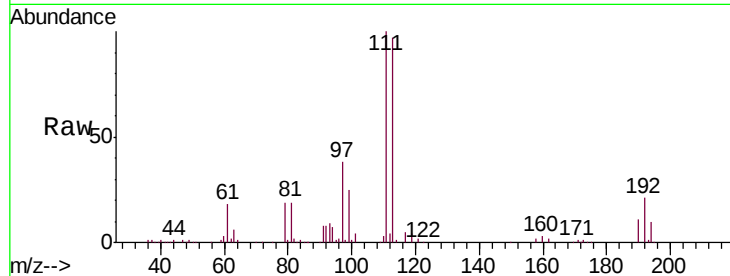
Tgt Ion:113 Resp: 126488

Ion Ratio Lower Upper

113 100

111 103.6 82.7 124.1

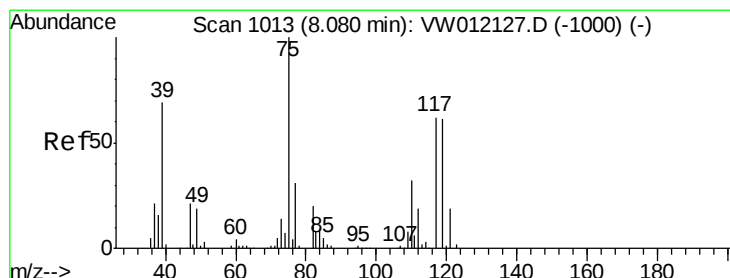
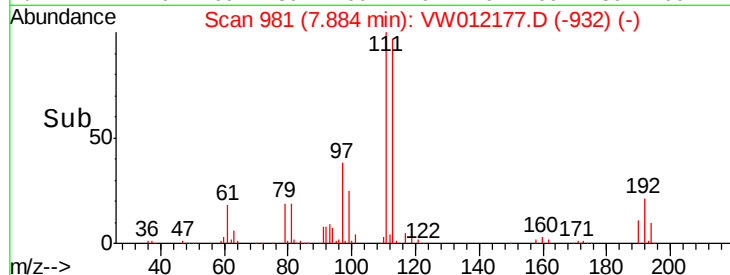
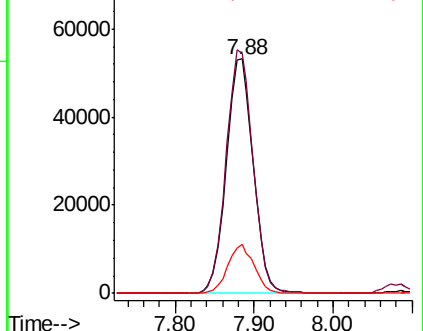
192 20.3 16.2 24.2



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: 19.634 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

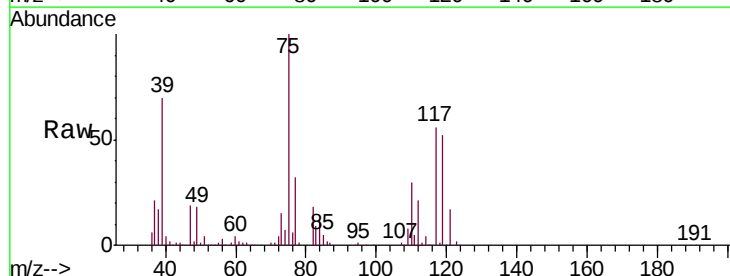
Tgt Ion: 75 Resp: 82300

Ion Ratio Lower Upper

75 100

110 31.3 15.6 46.8

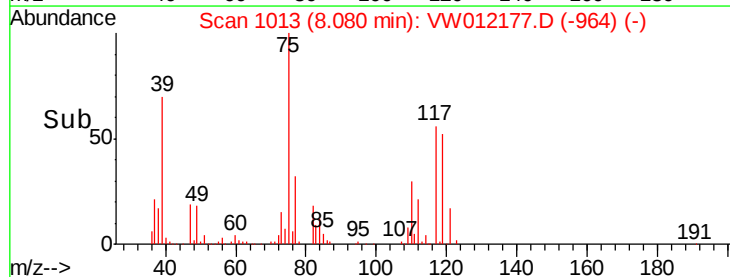
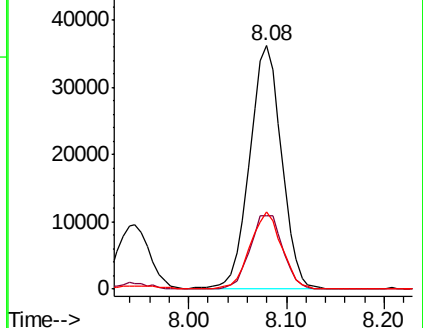
77 31.5 24.6 36.8

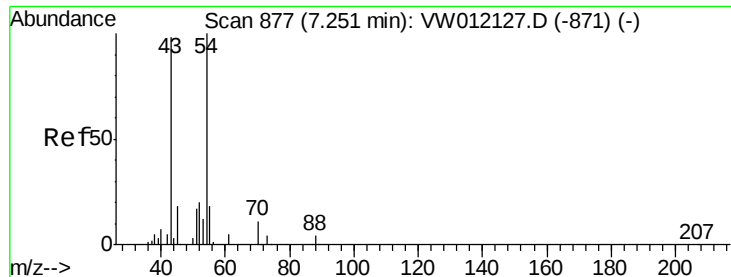


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

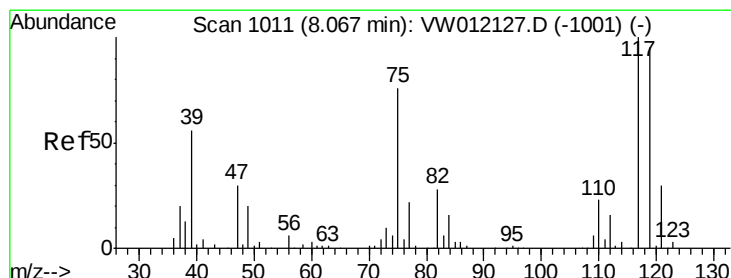
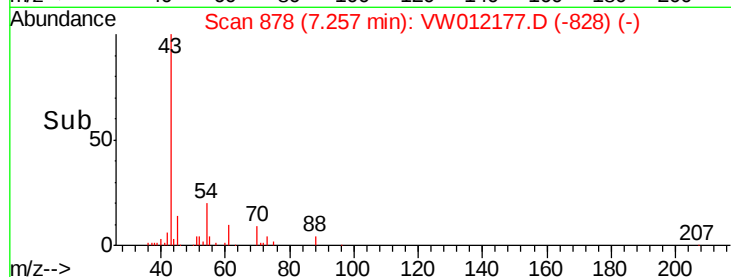
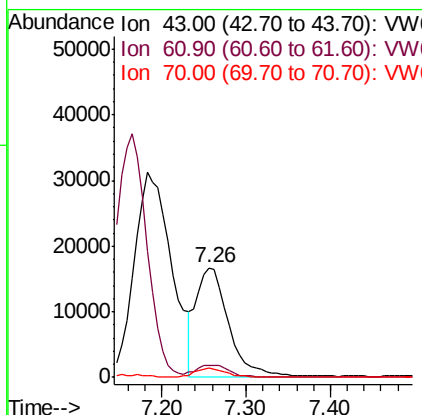
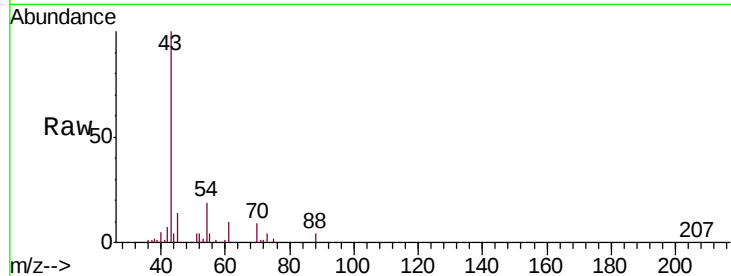




#37
Ethyl Acetate
Concen: 19.308 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW012177.D
Acq: 26 Aug 2019 18:14

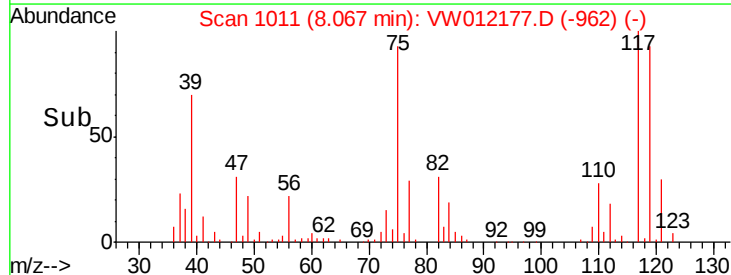
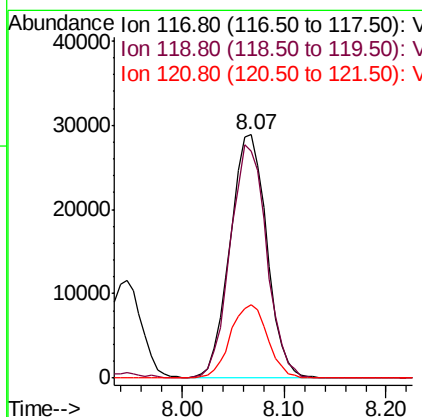
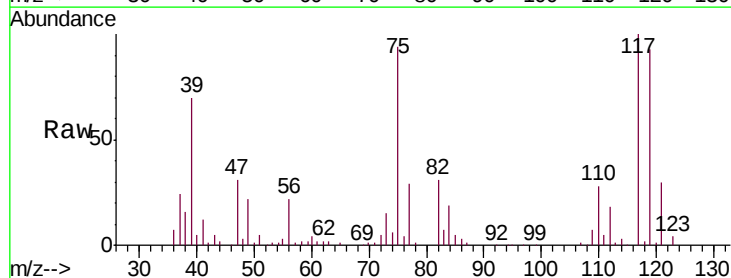
Instrument :
MSVOA_W
ClientSampleId :
VW0826SBSD02

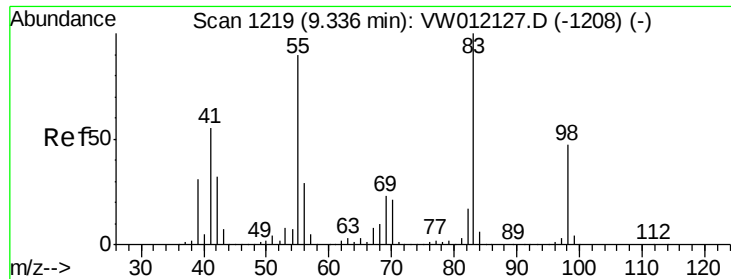
Tgt Ion: 43 Resp: 44350
Ion Ratio Lower Upper
43 100
61 10.9 9.2 13.8
70 8.3 6.9 10.3



#38
Carbon Tetrachloride
Concen: 19.910 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012177.D
Acq: 26 Aug 2019 18:14

Tgt Ion: 117 Resp: 72233
Ion Ratio Lower Upper
117 100
119 93.5 76.2 114.2
121 30.2 23.8 35.8

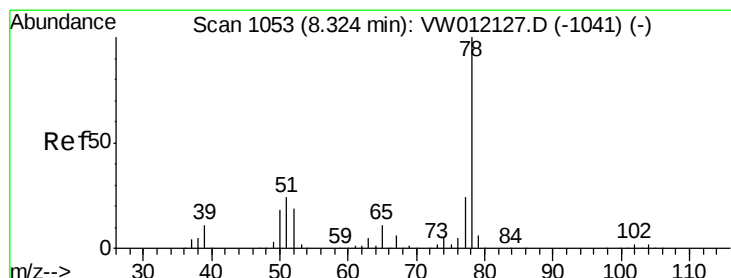
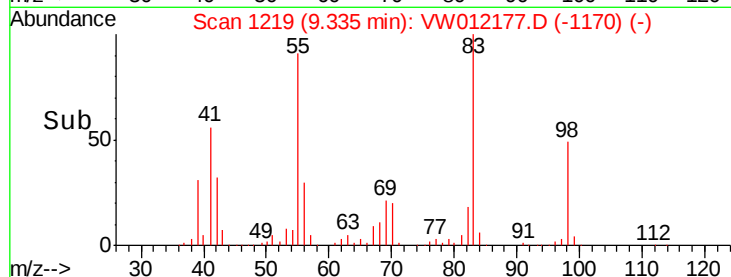
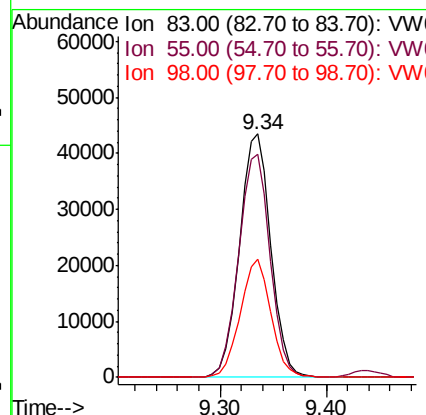
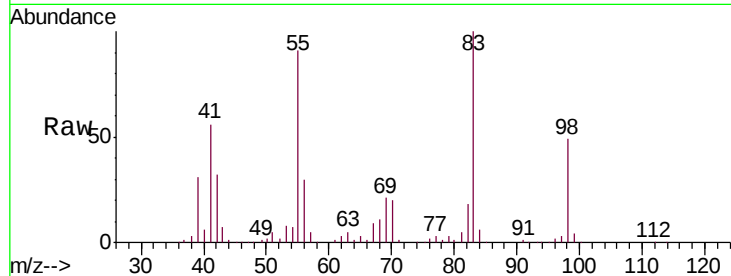




#39
Methylcyclohexane
Concen: 19.074 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012177.D
Acq: 26 Aug 2019 18:14

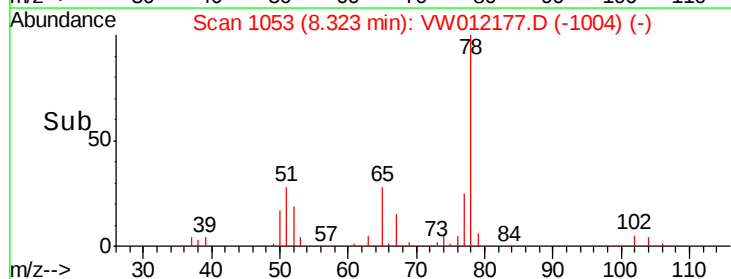
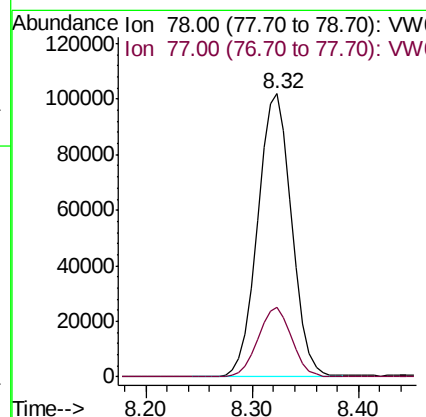
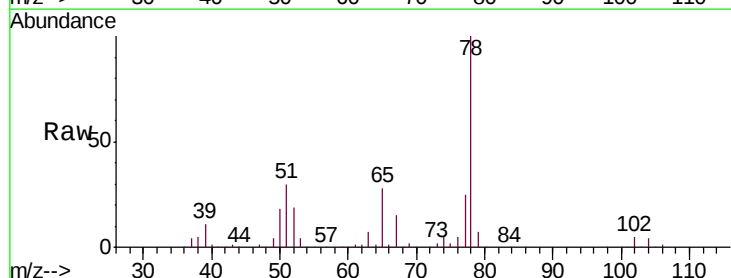
Instrument :
MSVOA_W
ClientSampleId :
VW0826SBSD02

Tgt Ion: 83 Resp: 89822
Ion Ratio Lower Upper
83 100
55 91.5 71.8 107.8
98 48.6 37.8 56.8



#40
Benzene
Concen: 19.915 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012177.D
Acq: 26 Aug 2019 18:14

Tgt Ion: 78 Resp: 227948
Ion Ratio Lower Upper
78 100
77 24.7 19.5 29.3





#41

Methacrylonitrile

Concen: 19.301 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBS02

Tgt Ion: 41 Resp: 26057

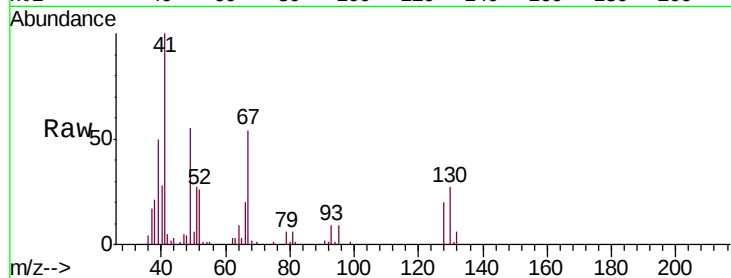
Ion Ratio Lower Upper

41 100

39 52.5 45.8 68.8

67 56.6 46.2 69.4

52 27.0 21.0 31.6

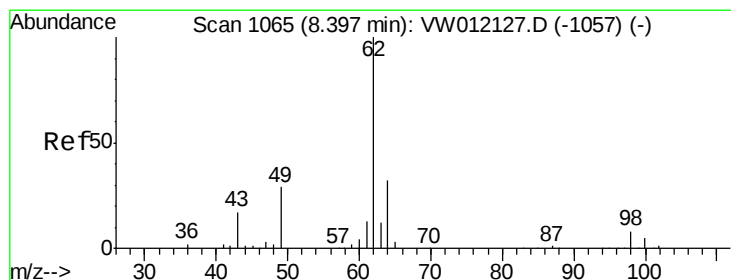
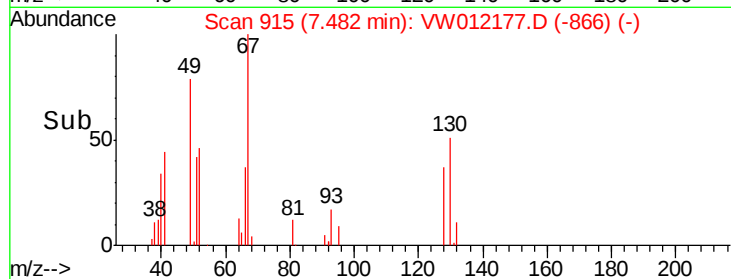
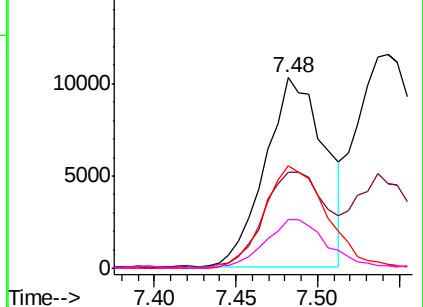


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 20.084 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW012177.D

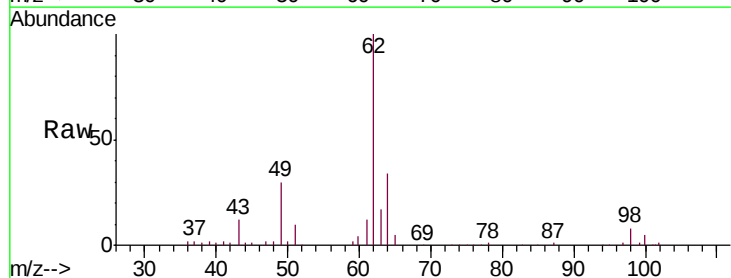
Acq: 26 Aug 2019 18:14

Tgt Ion: 62 Resp: 72046

Ion Ratio Lower Upper

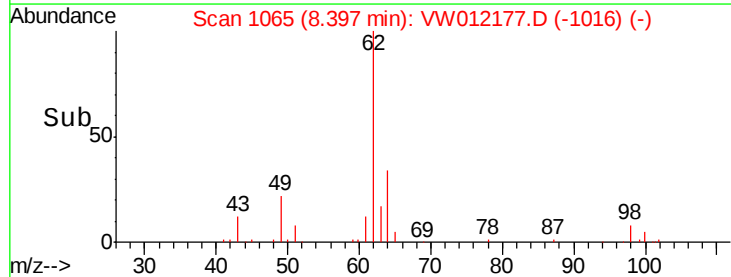
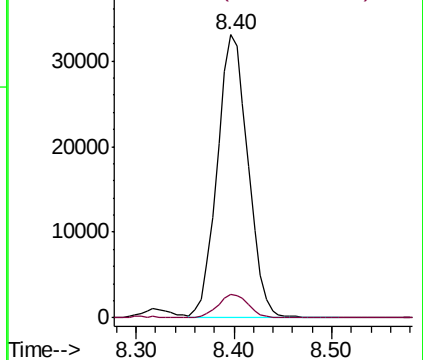
62 100

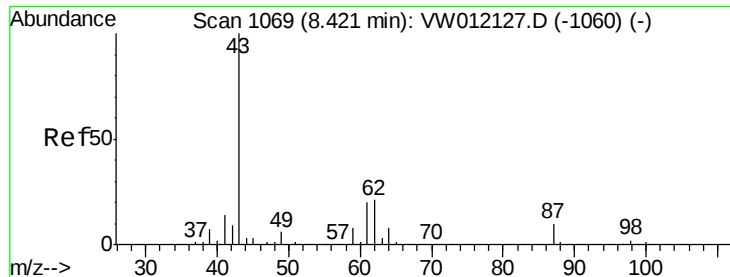
98 8.3 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 19.198 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBSD02

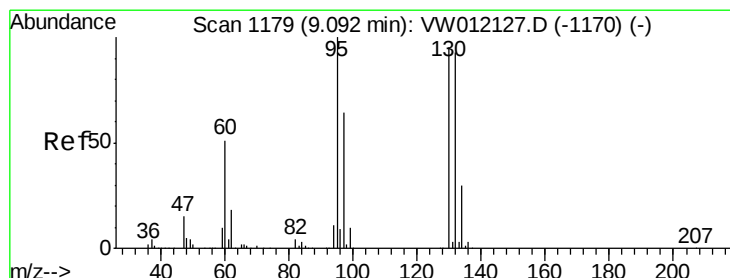
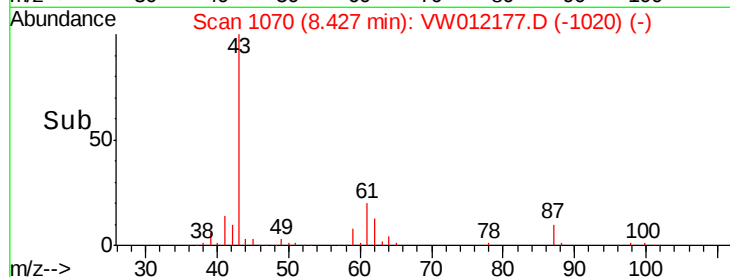
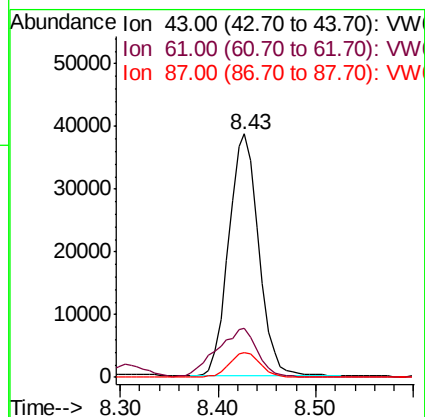
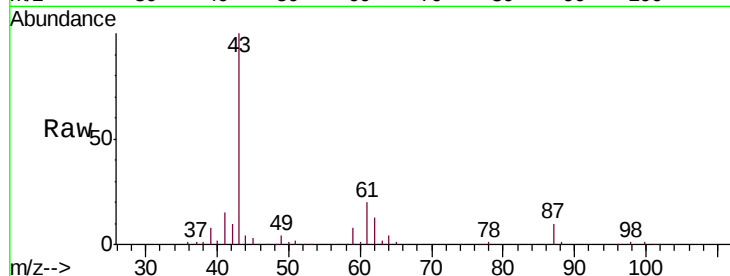
Tgt Ion: 43 Resp: 81683

Ion Ratio Lower Upper

43 100

61 28.0 21.1 31.7

87 10.7 8.2 12.2



#44

Trichloroethene

Concen: 19.678 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW012177.D

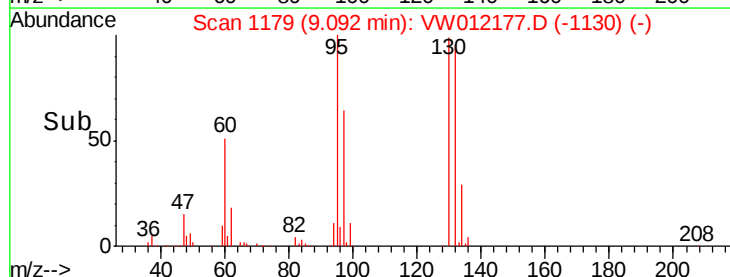
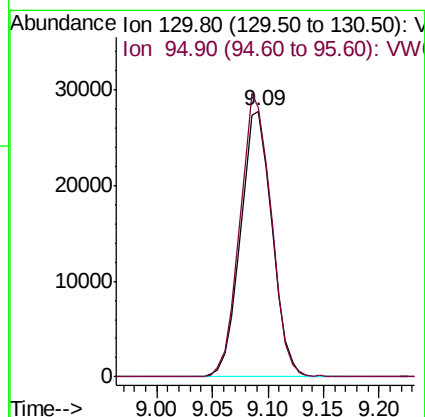
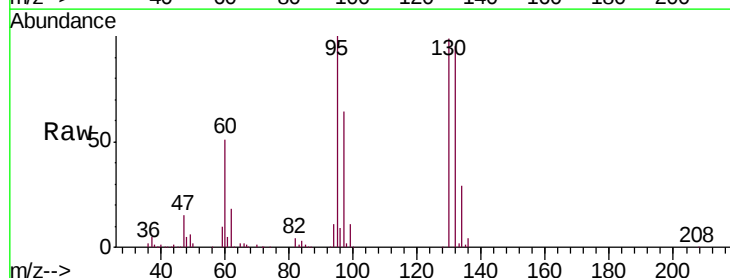
Acq: 26 Aug 2019 18:14

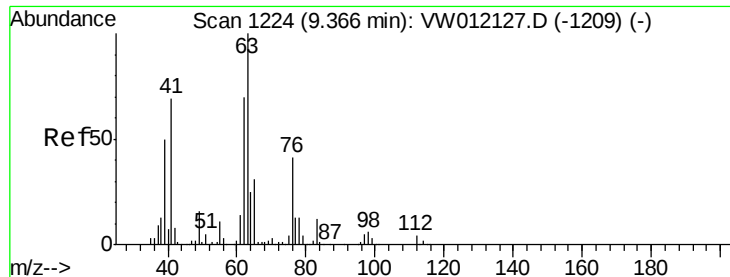
Tgt Ion: 130 Resp: 54752

Ion Ratio Lower Upper

130 100

95 101.1 0.0 210.6





#45

1,2-Dichloropropane

Concen: 20.134 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

Instrument :

MSVOA_W

ClientSampleId :

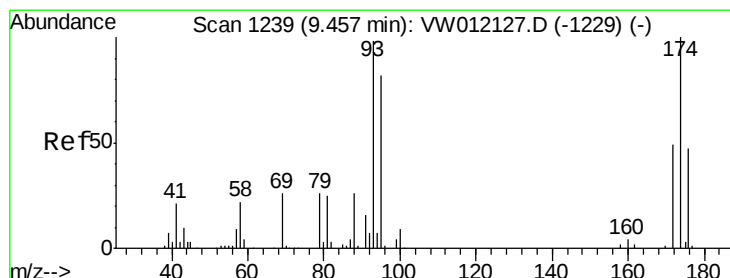
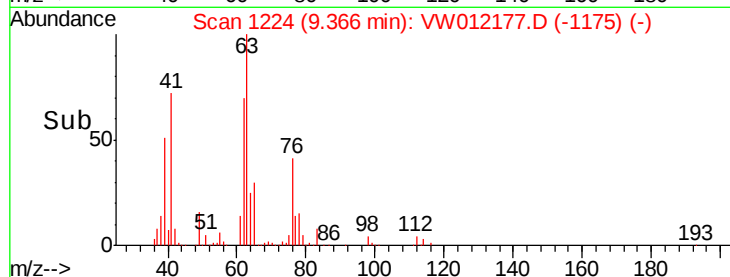
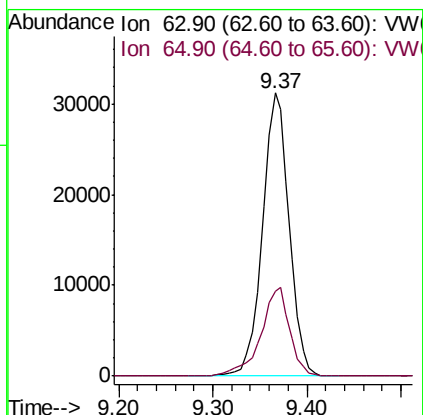
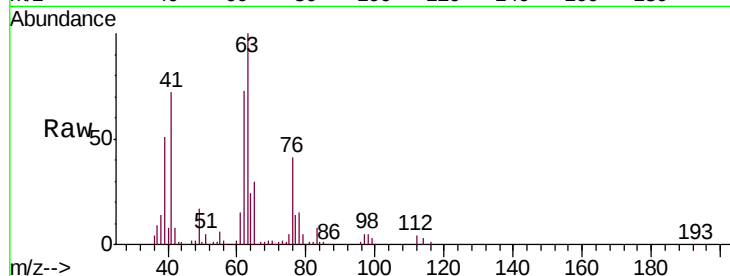
VW0826SBS02

Tgt Ion: 63 Resp: 62022

Ion Ratio Lower Upper

63 100

65 29.9 25.0 37.4



#46

Dibromomethane

Concen: 19.979 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

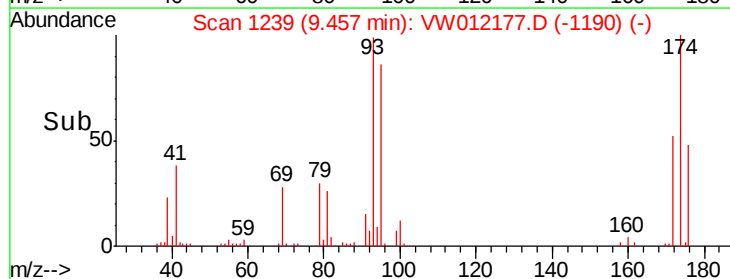
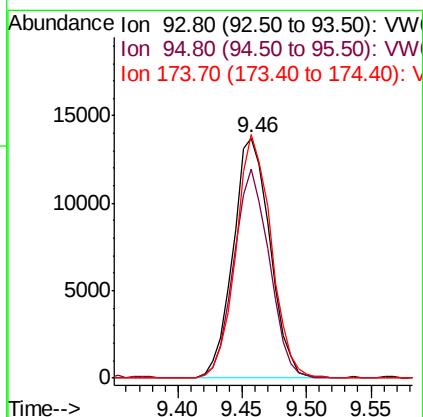
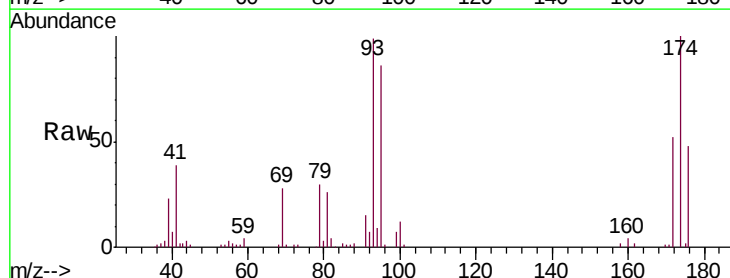
Tgt Ion: 93 Resp: 27382

Ion Ratio Lower Upper

93 100

95 83.5 67.2 100.8

174 96.5 79.0 118.6





#47

Bromodichloromethane

Concen: 20.265 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBSD02

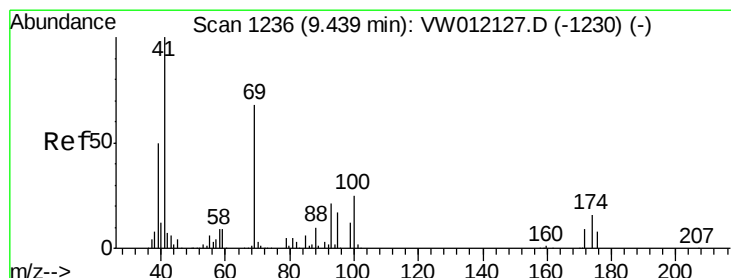
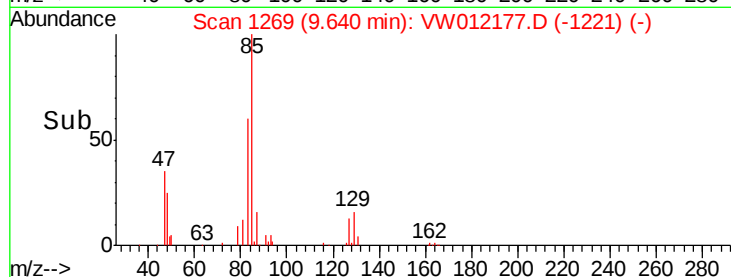
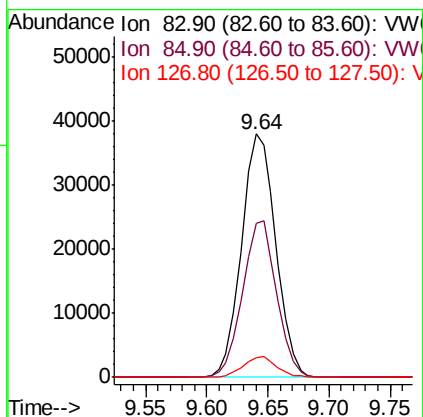
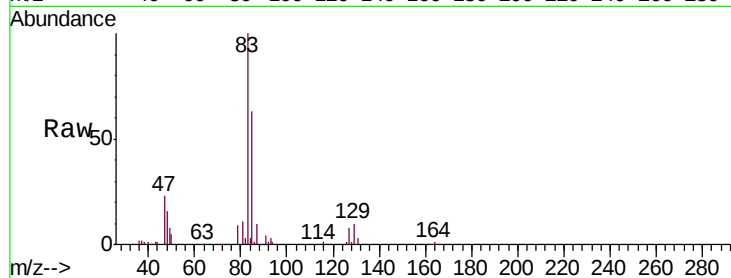
Tgt Ion: 83 Resp: 73920

Ion Ratio Lower Upper

83 100

85 63.2 49.4 74.2

127 8.0 6.1 9.1



#48

Methyl methacrylate

Concen: 18.752 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

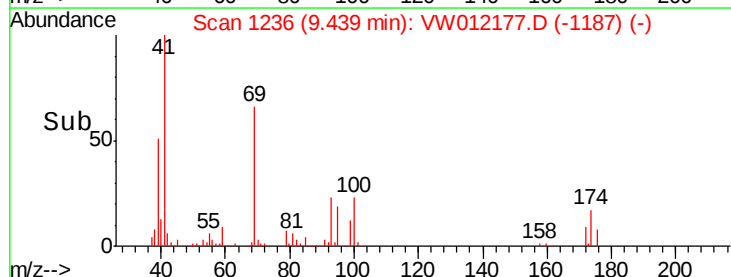
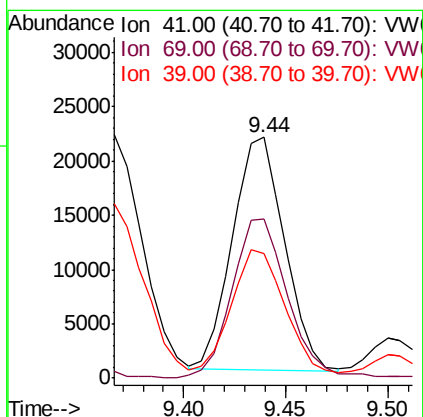
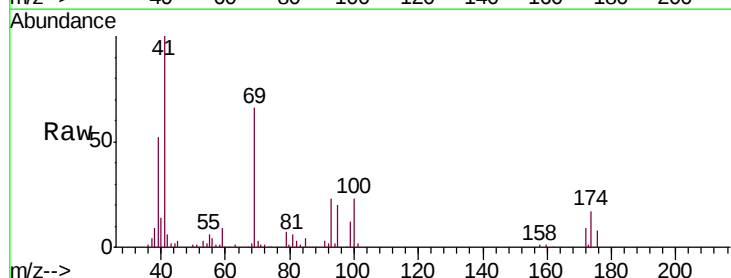
Tgt Ion: 41 Resp: 37974

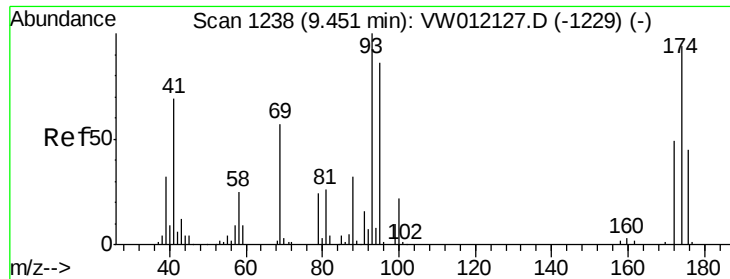
Ion Ratio Lower Upper

41 100

69 74.0 56.7 85.1

39 58.4 42.0 63.0





#49

1,4-Dioxane

Concen: 351.542 ug/l

RT: 9.51 min Scan# 1247

Delta R.T. 0.05 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBSD02

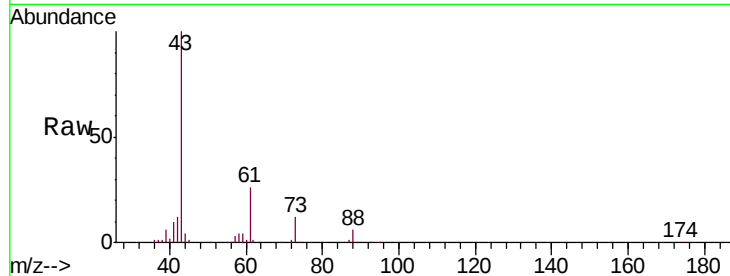
Tgt Ion: 88 Resp: 7376

Ion Ratio Lower Upper

88 100

43 849.4 32.9 49.3#

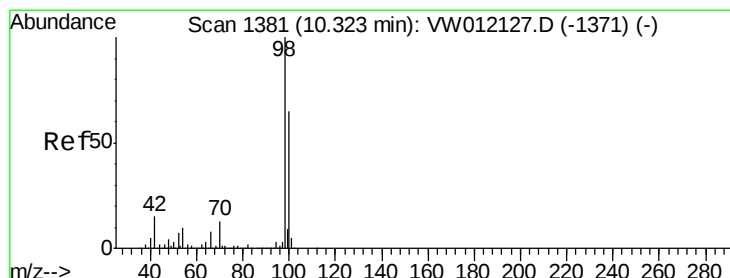
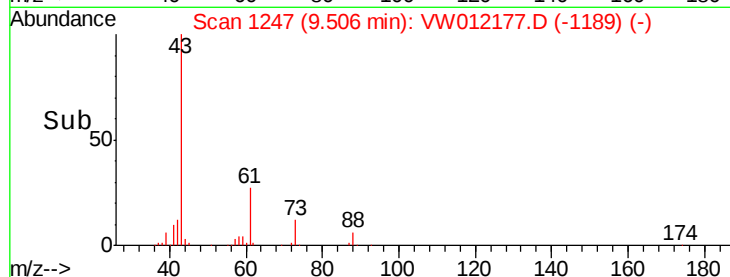
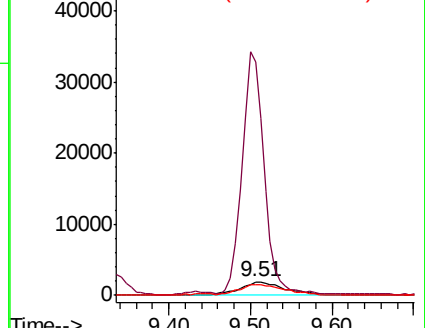
58 83.1 71.0 106.4



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: 52.836 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012177.D

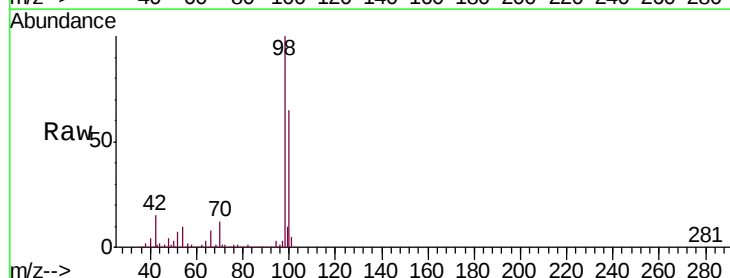
Acq: 26 Aug 2019 18:14

Tgt Ion: 98 Resp: 518711

Ion Ratio Lower Upper

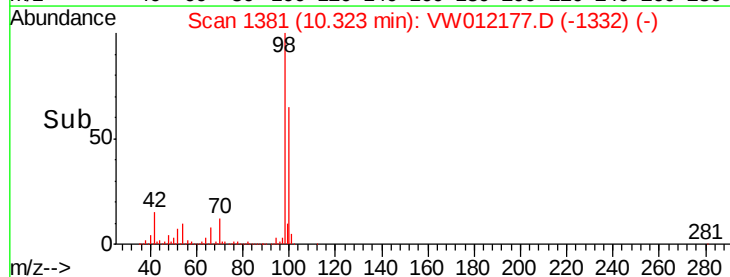
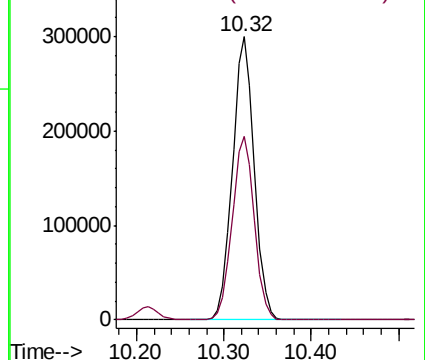
98 100

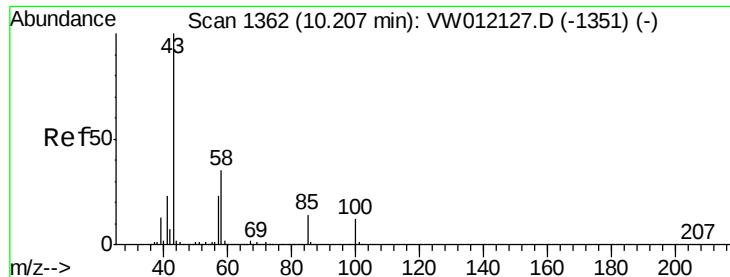
100 65.7 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 97.402 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

Instrument :

MSVOA_W

ClientSampled :

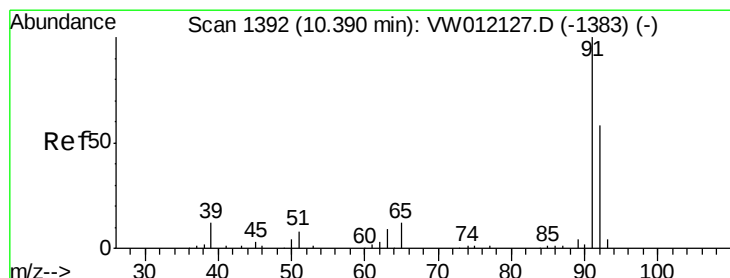
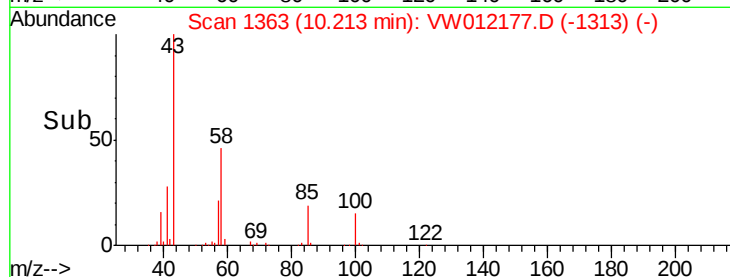
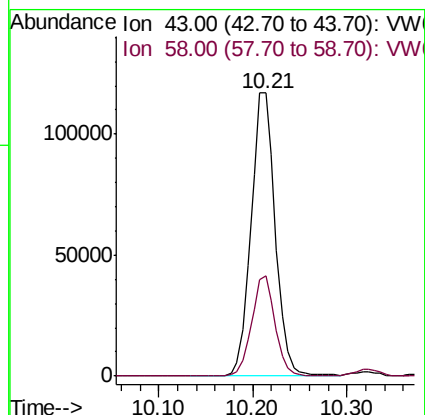
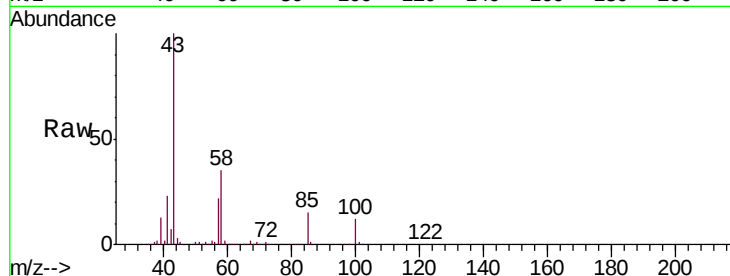
VW0826SBSD02

Tgt Ion: 43 Resp: 210789

Ion Ratio Lower Upper

43 100

58 34.3 28.2 42.2



#52

Toluene

Concen: 20.080 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012177.D

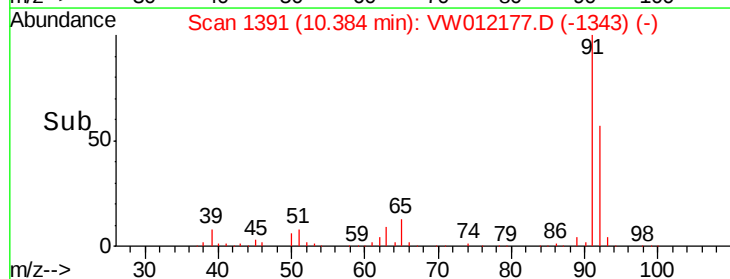
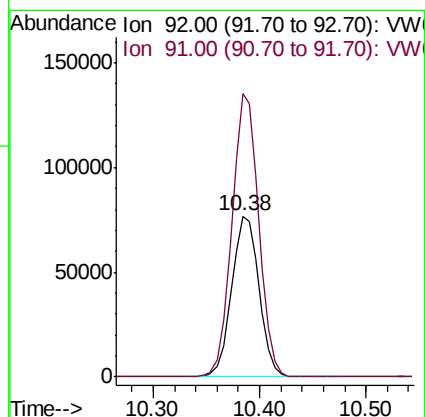
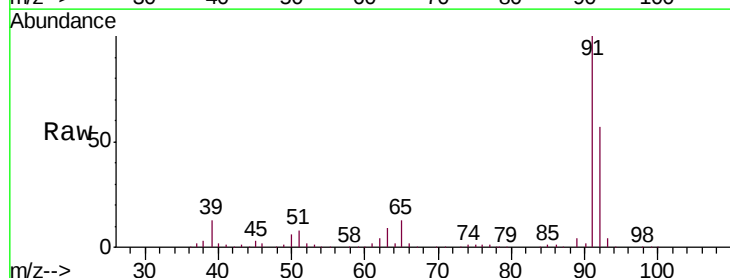
Acq: 26 Aug 2019 18:14

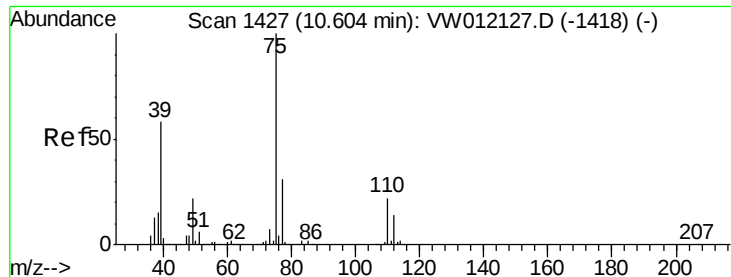
Tgt Ion: 92 Resp: 138071

Ion Ratio Lower Upper

92 100

91 172.4 136.6 204.8

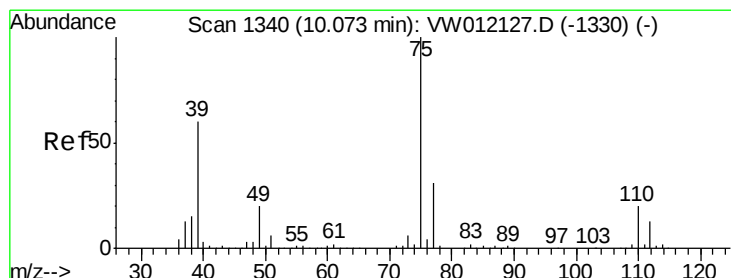
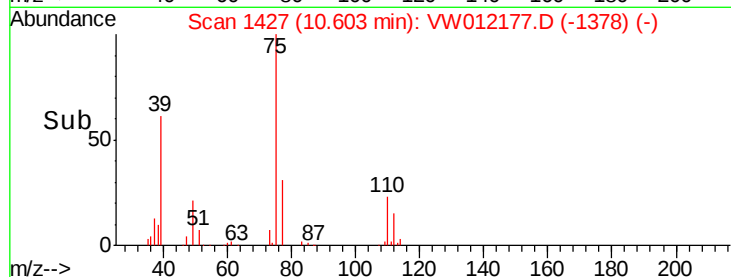
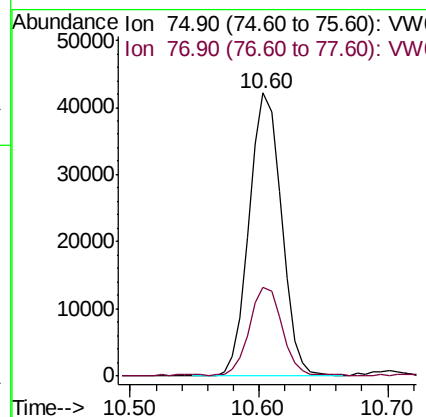
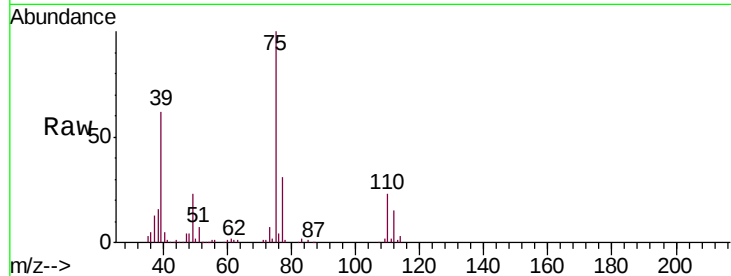




#53
 t-1,3-Dichloropropene
 Concen: 19.684 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW012177.D
 Acq: 26 Aug 2019 18:14

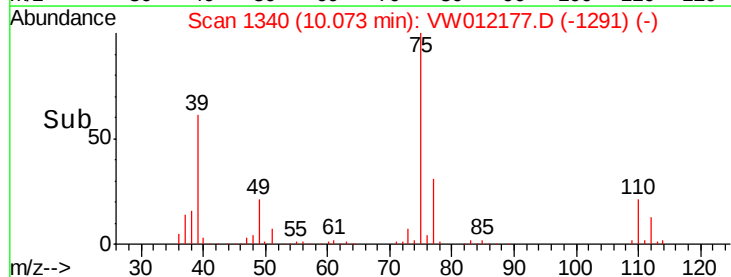
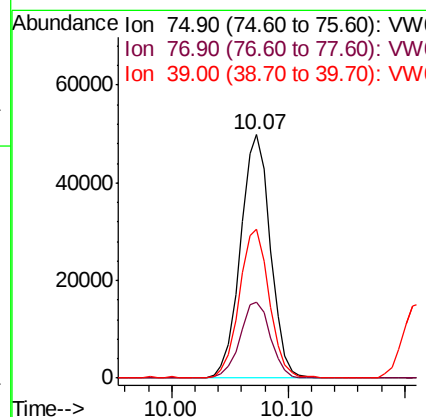
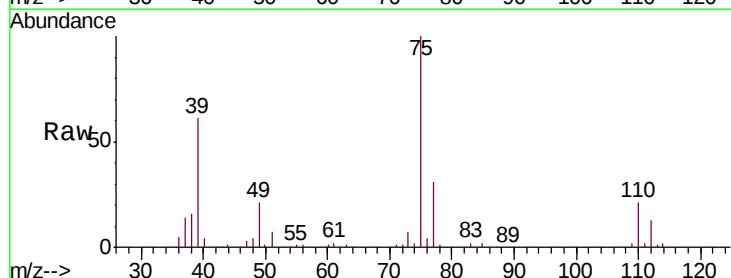
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0826SBSD02

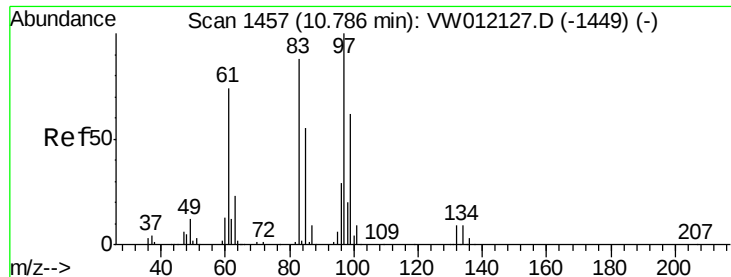
Tgt Ion: 75 Resp: 73137
 Ion Ratio Lower Upper
 75 100
 77 30.8 25.0 37.4



#54
 cis-1,3-Dichloropropene
 Concen: 19.896 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW012177.D
 Acq: 26 Aug 2019 18:14

Tgt Ion: 75 Resp: 89263
 Ion Ratio Lower Upper
 75 100
 77 31.0 25.1 37.7
 39 61.2 48.3 72.5

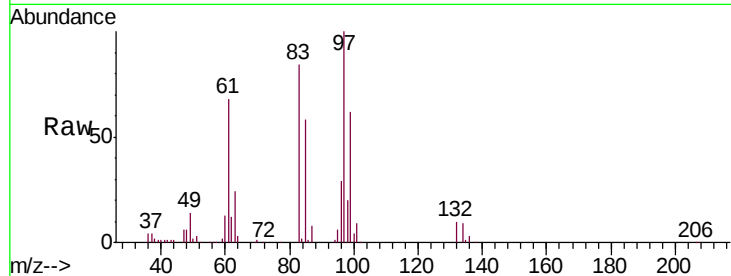




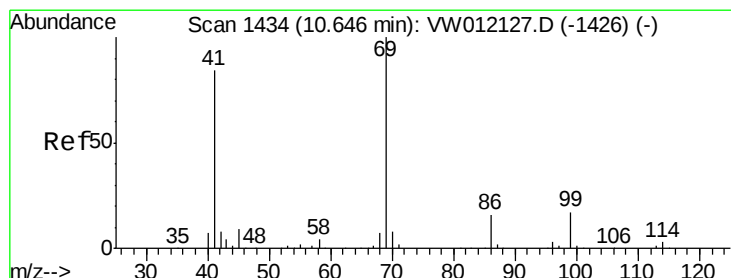
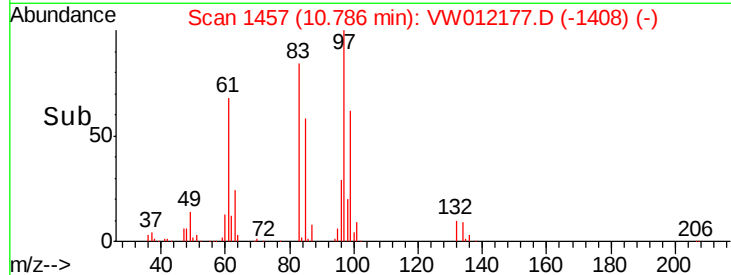
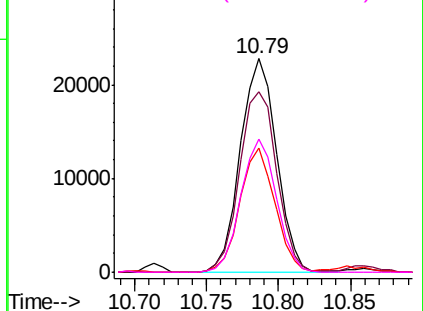
#55
 1,1,2-Trichloroethane
 Concen: 20.564 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012177.D
 Acq: 26 Aug 2019 18:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0826SBSD02

Tgt Ion:	97	Resp:	39878
Ion	Ratio	Lower	Upper
97	100		
83	84.3	70.8	106.2
85	57.9	43.8	65.8
99	62.2	49.8	74.6

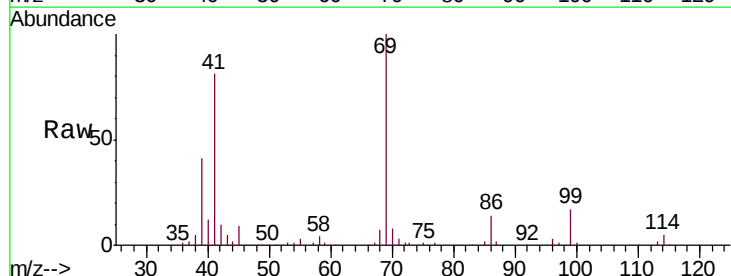


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

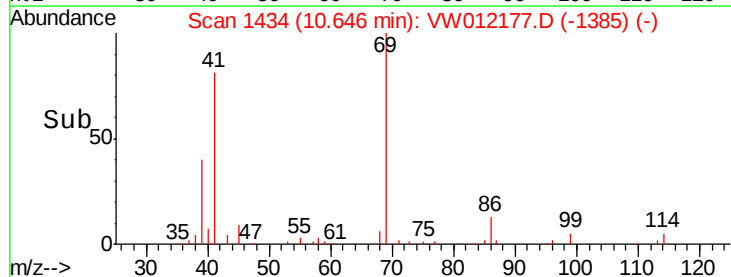
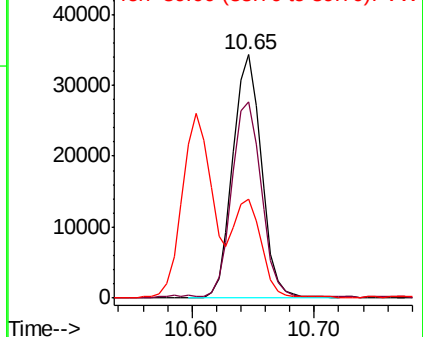


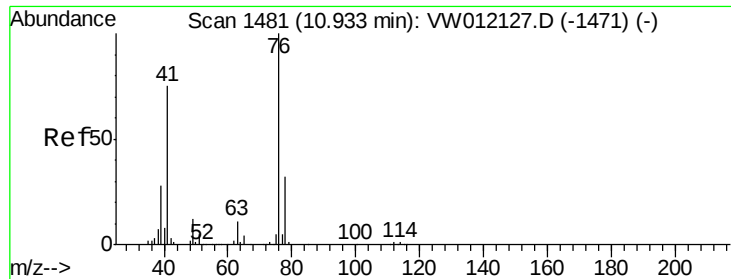
#56
 Ethyl methacrylate
 Concen: 19.783 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012177.D
 Acq: 26 Aug 2019 18:14

Tgt Ion:	69	Resp:	55833
Ion	Ratio	Lower	Upper
69	100		
41	81.9	66.5	99.7
39	37.5	31.0	46.4



Abundance Ion 69.00 (68.70 to 69.70): VW
 Ion 41.00 (40.70 to 41.70): VW
 Ion 39.00 (38.70 to 39.70): VW

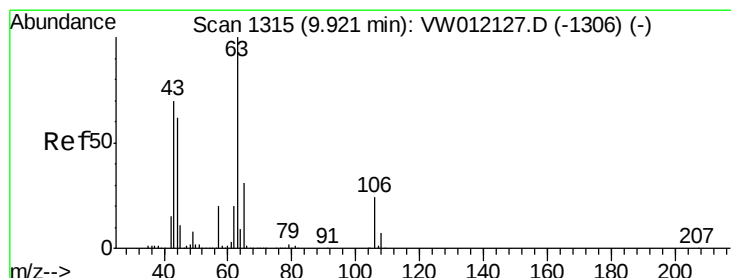
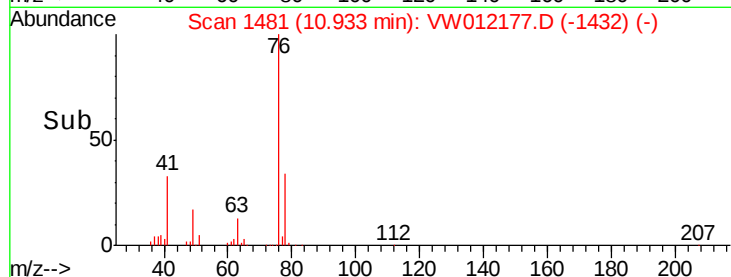
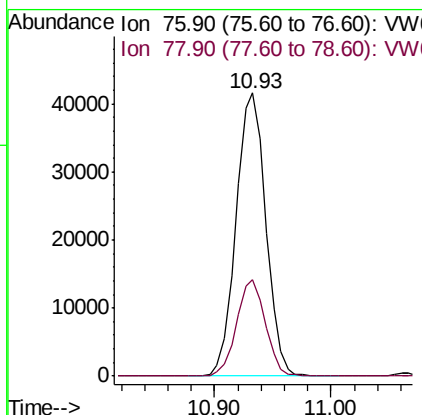
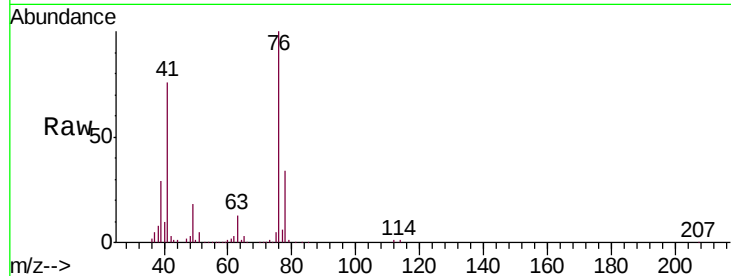




#57
 1,3-Dichloropropane
 Concen: 20.200 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012177.D
 Acq: 26 Aug 2019 18:14

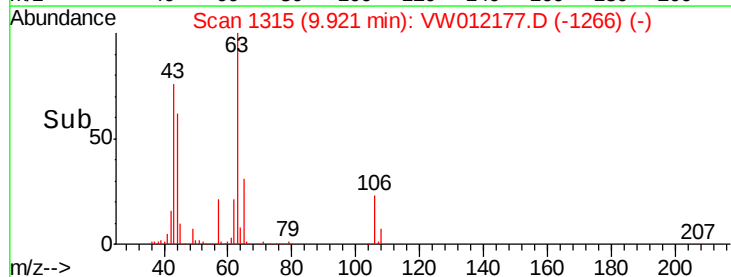
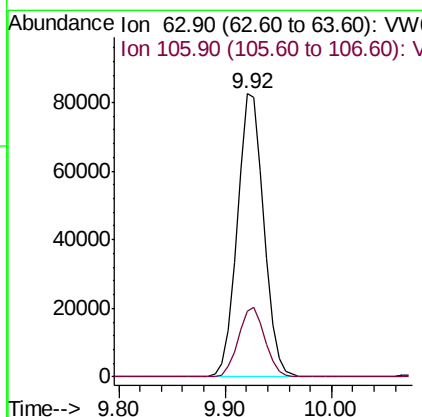
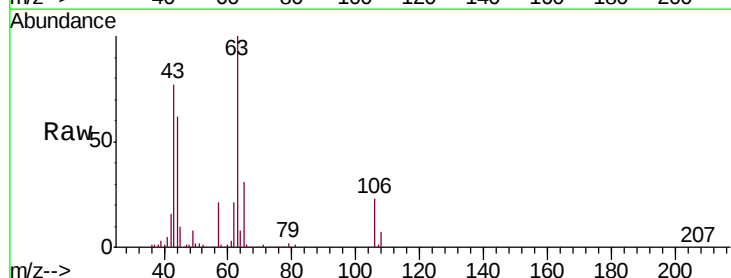
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0826SBSD02

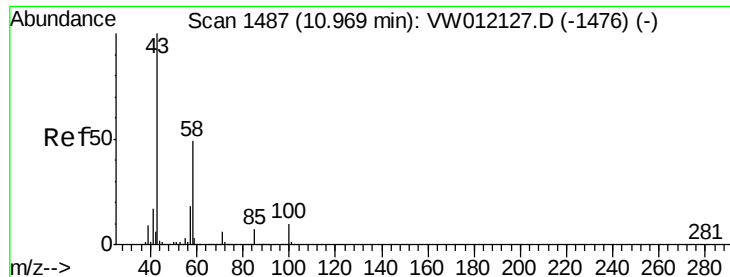
Tgt Ion: 76 Resp: 74023
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 99.971 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012177.D
 Acq: 26 Aug 2019 18:14

Tgt Ion: 63 Resp: 144805
 Ion Ratio Lower Upper
 63 100
 106 24.5 19.8 29.8

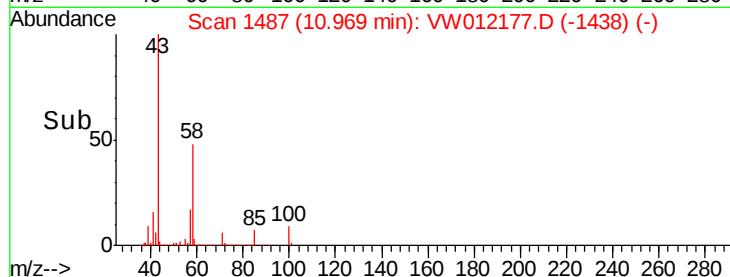
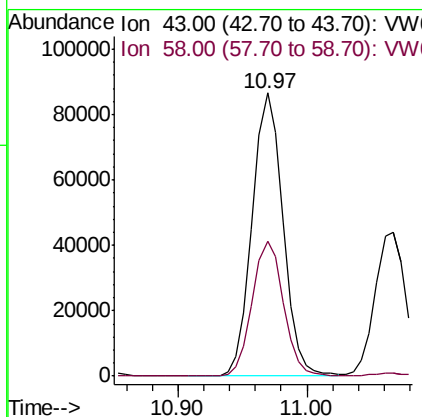
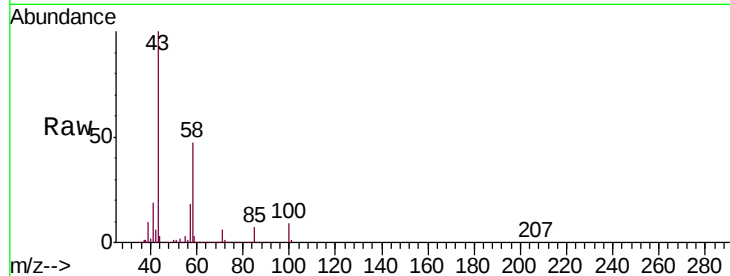




#59
2-Hexanone
Concen: 93.277 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012177.D
Acq: 26 Aug 2019 18:14

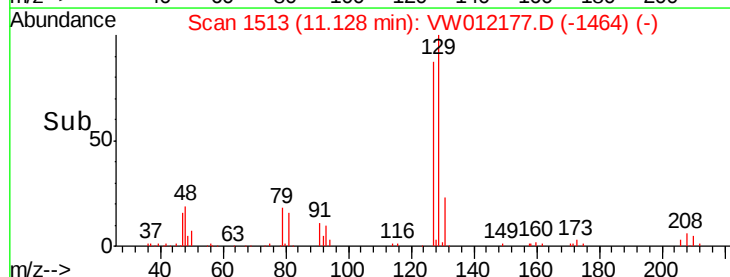
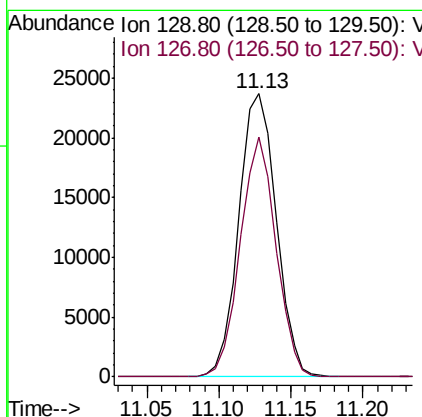
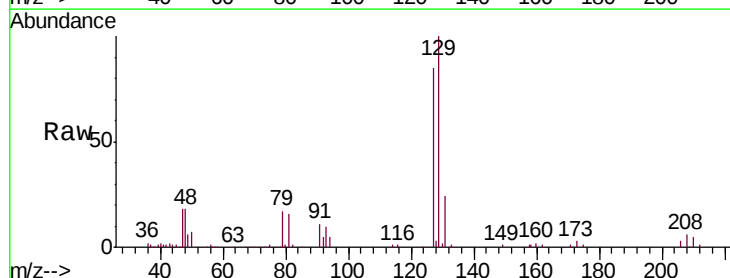
Instrument :
MSVOA_W
ClientSampleId :
VW0826SBSD02

Tgt Ion: 43 Resp: 142830
Ion Ratio Lower Upper
43 100
58 48.4 24.3 72.9



#60
Dibromochloromethane
Concen: 19.803 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012177.D
Acq: 26 Aug 2019 18:14

Tgt Ion: 129 Resp: 42773
Ion Ratio Lower Upper
129 100
127 80.4 38.6 115.8





#61

1,2-Dibromoethane

Concen: 20.442 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

Instrument :

MSVOA_W

ClientSampleId :

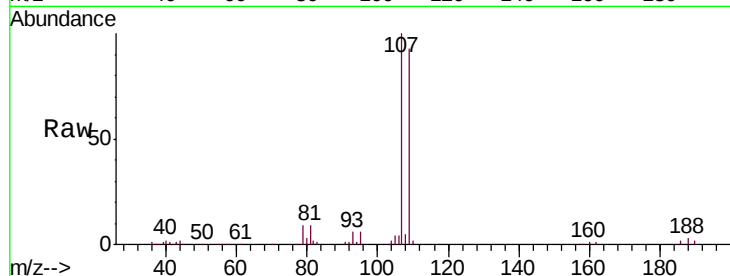
VW0826SBSD02

Tgt Ion: 107 Resp: 36931

Ion Ratio Lower Upper

107 100

109 92.1 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.23

20000

15000

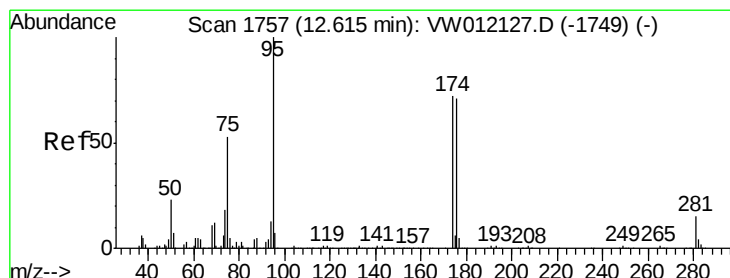
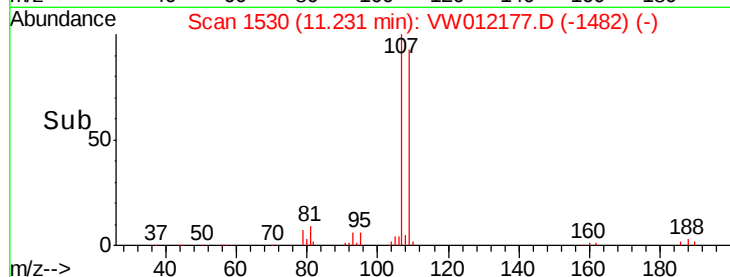
10000

5000

0

Time-->

11.20 11.30



#62

4-Bromofluorobenzene

Concen: 53.232 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

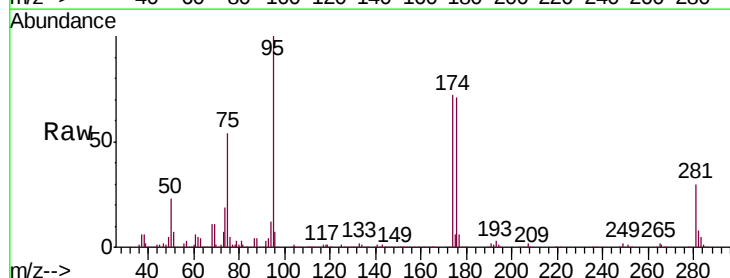
Tgt Ion: 95 Resp: 184214

Ion Ratio Lower Upper

95 100

174 74.9 0.0 150.8

176 73.4 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

12.62

150000

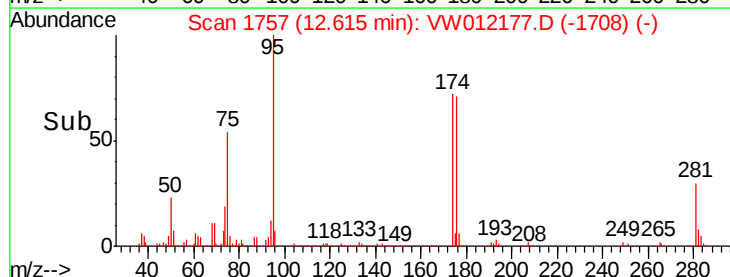
100000

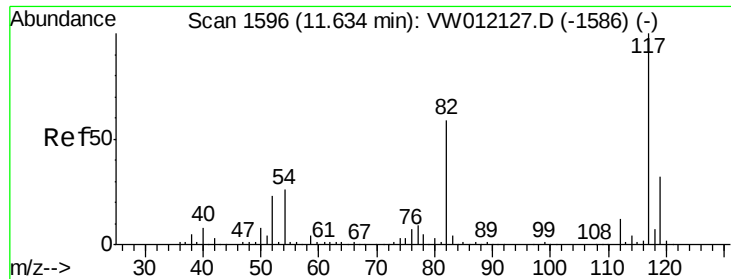
50000

0

Time-->

12.60 12.70

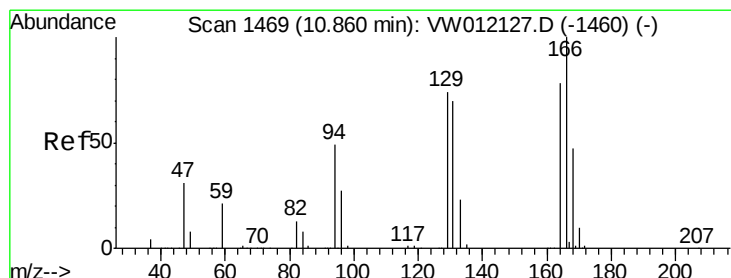
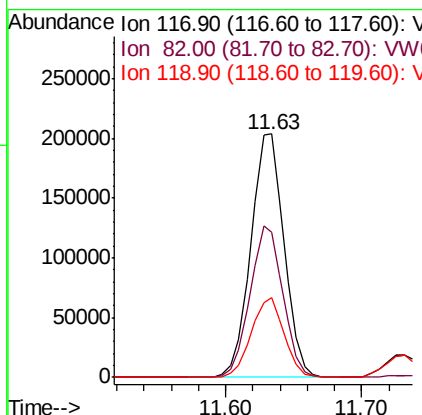
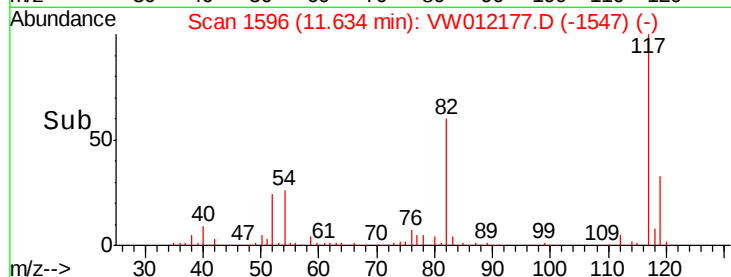
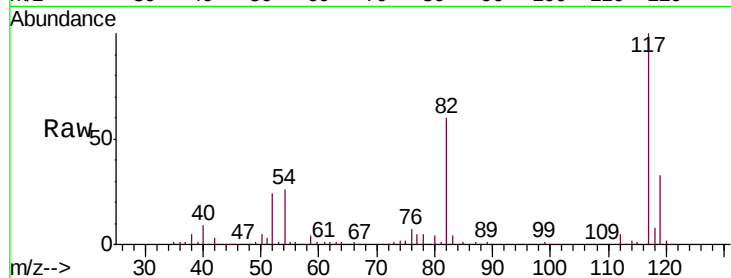




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012177.D
Acq: 26 Aug 2019 18:14

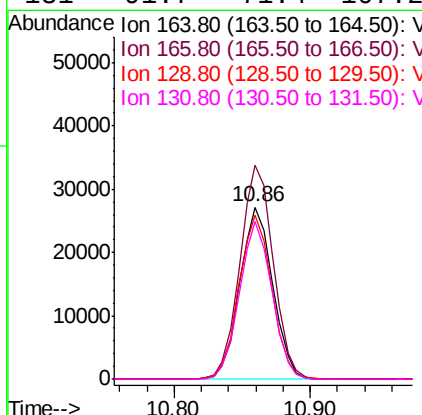
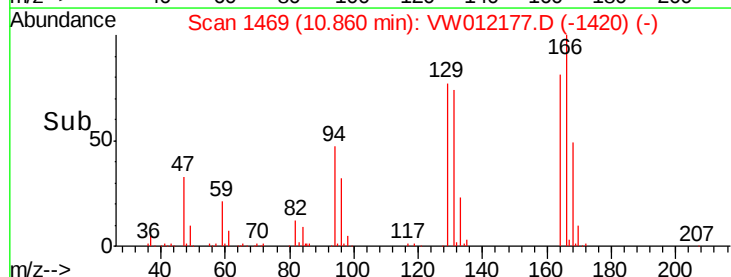
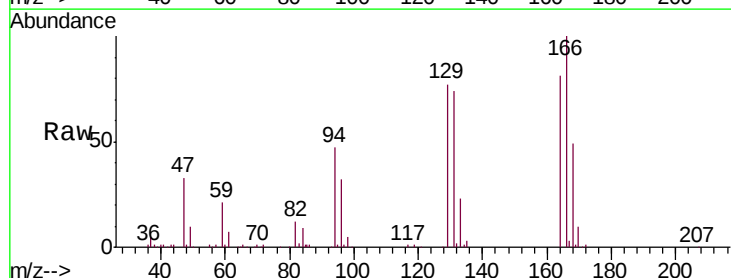
Instrument :
MSVOA_W
ClientSampleId :
VW0826SBSD02

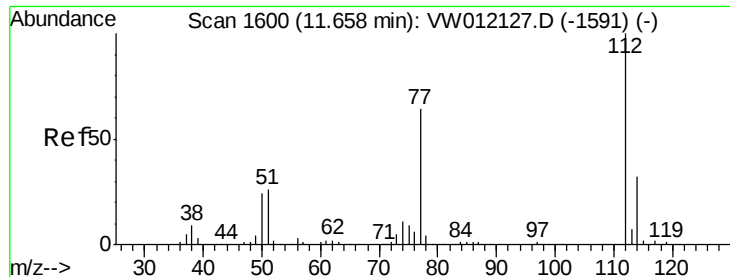
Tgt Ion:117 Resp: 350013
Ion Ratio Lower Upper
117 100
82 59.8 47.4 71.2
119 32.6 25.4 38.2



#64
Tetrachloroethene
Concen: 20.263 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012177.D
Acq: 26 Aug 2019 18:14

Tgt Ion:164 Resp: 45982
Ion Ratio Lower Upper
164 100
166 124.2 102.4 153.6
129 95.1 75.8 113.6
131 91.7 71.4 107.2

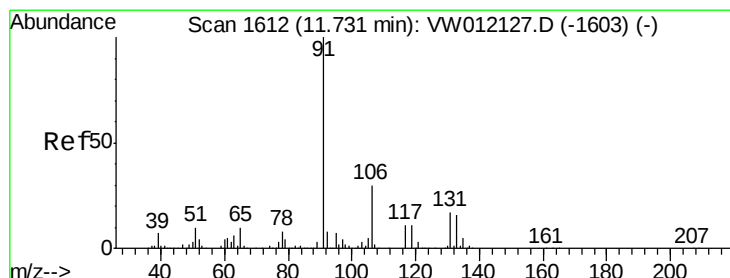
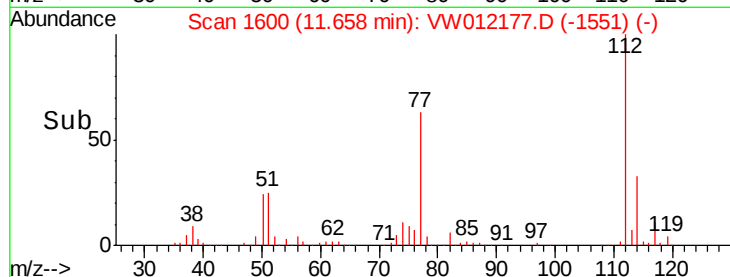
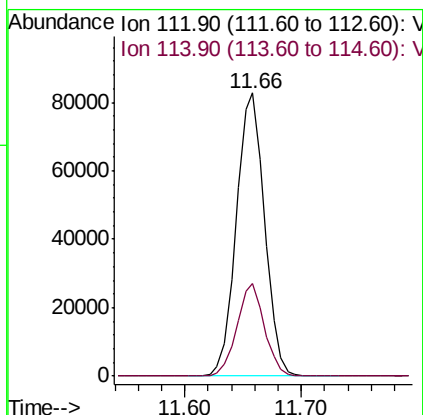
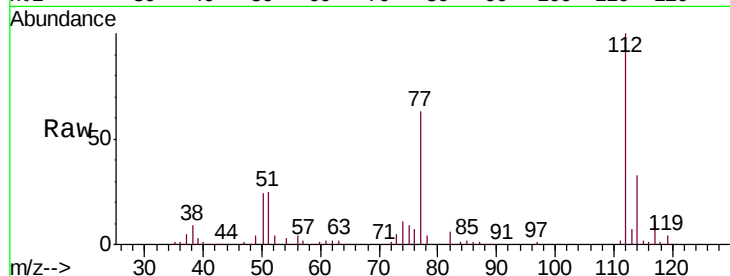




#65
Chlorobenzene
Concen: 20.266 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012177.D
Acq: 26 Aug 2019 18:14

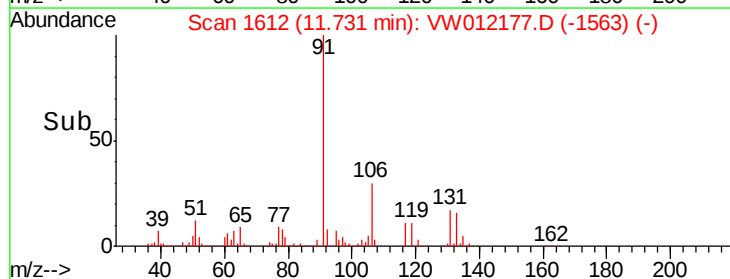
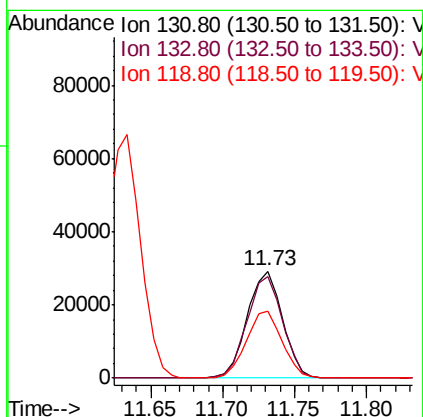
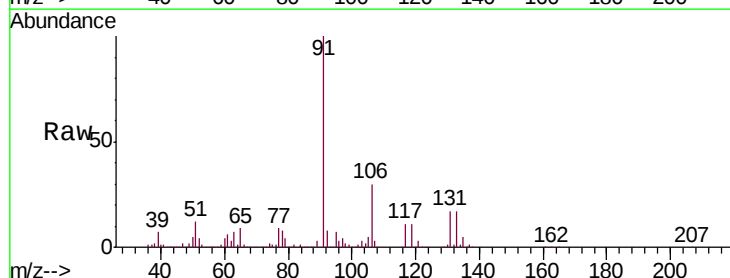
Instrument :
MSVOA_W
ClientSampleId :
VW0826SBSD02

Tgt Ion:112 Resp: 139677
Ion Ratio Lower Upper
112 100
114 32.6 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.514 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012177.D
Acq: 26 Aug 2019 18:14

Tgt Ion:131 Resp: 49324
Ion Ratio Lower Upper
131 100
133 96.4 47.1 141.3
119 63.7 31.8 95.3





#67

Ethyl Benzene

Concen: 20.323 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

Instrument :

MSVOA_W

ClientSampleId :

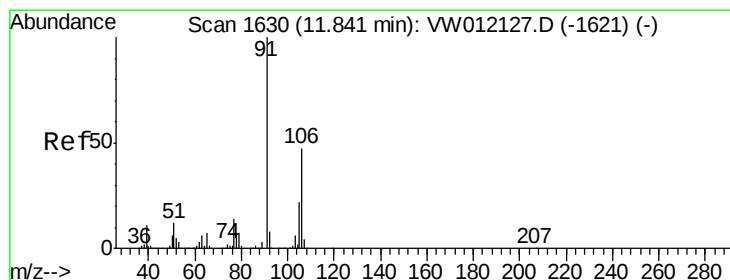
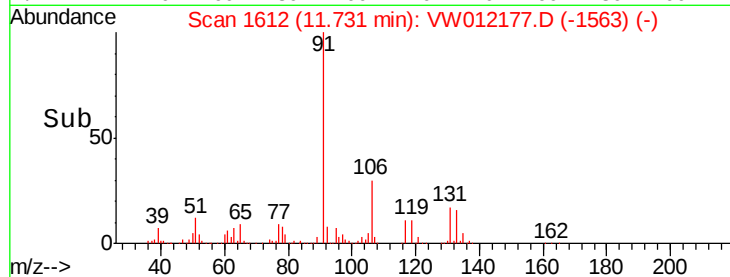
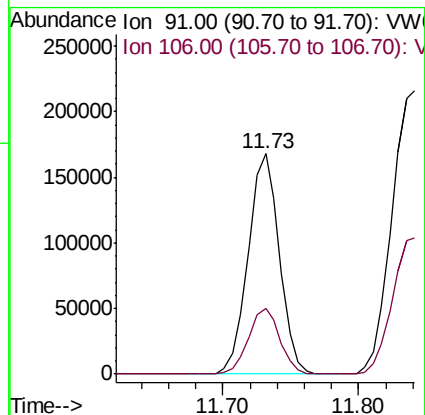
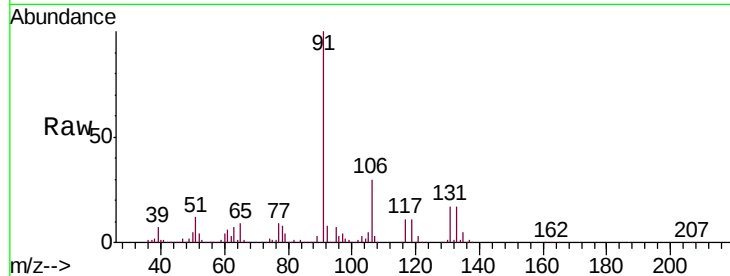
VW0826SBSD02

Tgt Ion: 91 Resp: 269810

Ion Ratio Lower Upper

91 100

106 30.1 24.3 36.5



#68

m/p-Xylenes

Concen: 41.076 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW012177.D

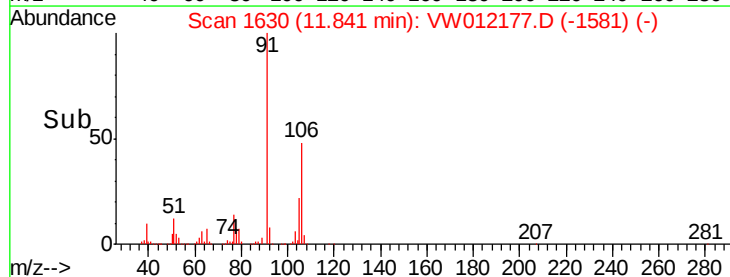
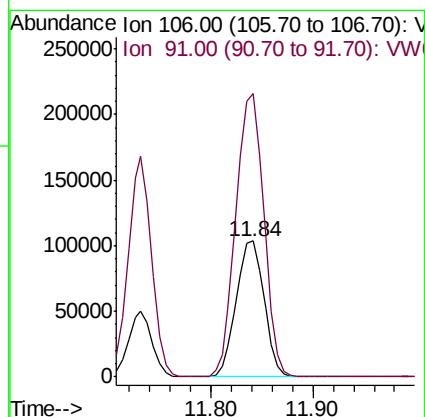
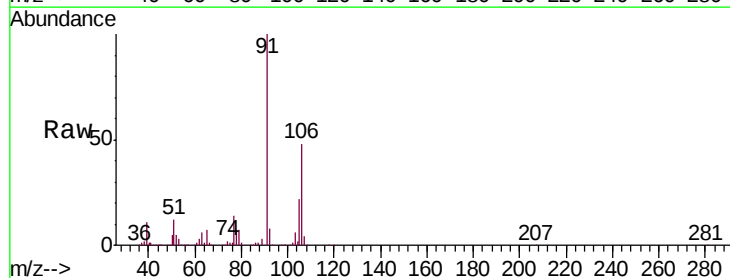
Acq: 26 Aug 2019 18:14

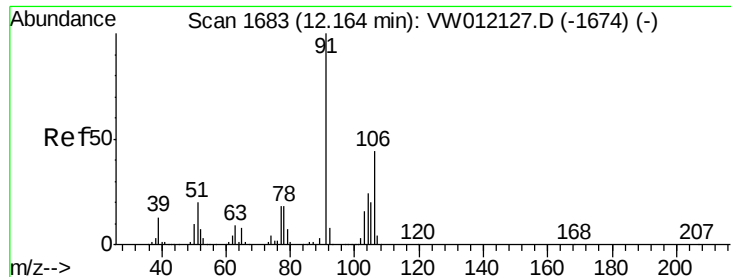
Tgt Ion: 106 Resp: 196437

Ion Ratio Lower Upper

106 100

91 209.3 169.5 254.3

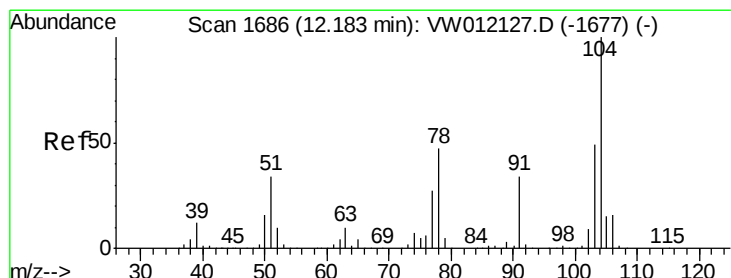
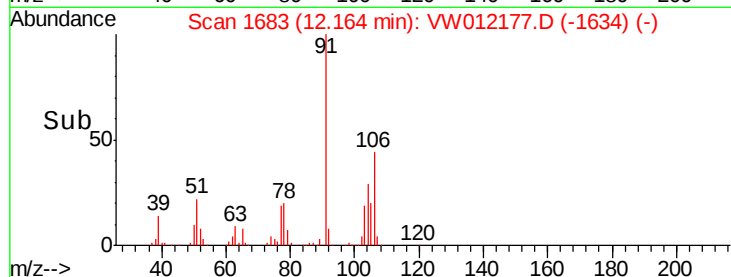
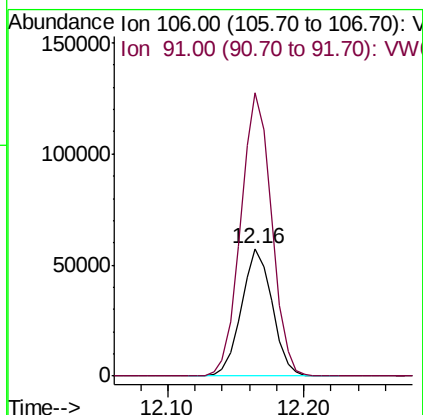
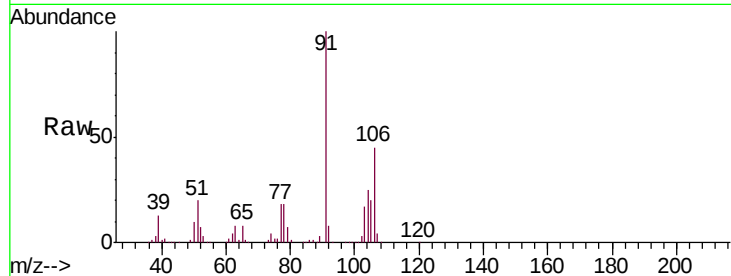




#69
o-Xylene
Concen: 20.530 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012177.D
Acq: 26 Aug 2019 18:14

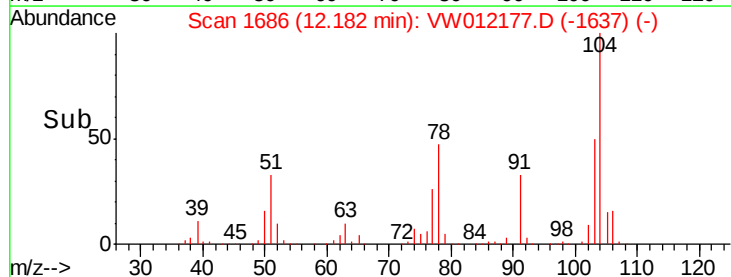
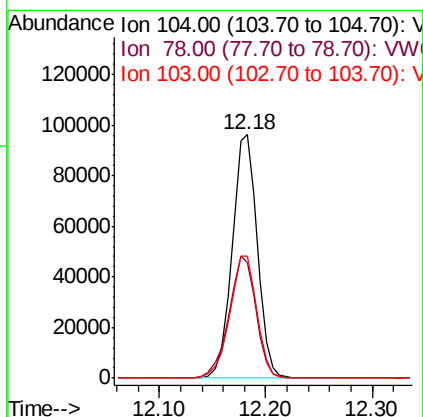
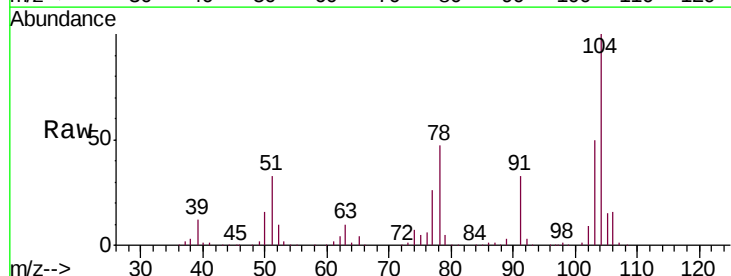
Instrument :
MSVOA_W
ClientSampleId :
VW0826SBS02

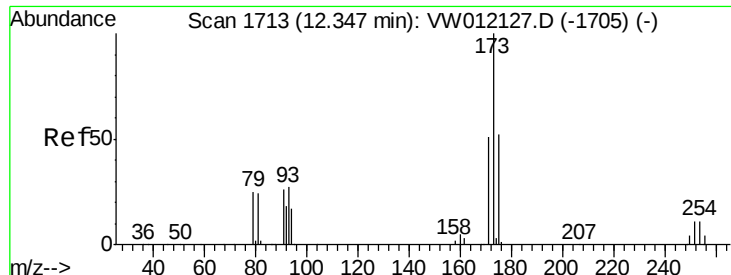
Tgt Ion:106 Resp: 90868
Ion Ratio Lower Upper
106 100
91 223.0 111.6 334.6



#70
Styrene
Concen: 20.737 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012177.D
Acq: 26 Aug 2019 18:14

Tgt Ion:104 Resp: 158872
Ion Ratio Lower Upper
104 100
78 54.0 43.1 64.7
103 54.0 43.5 65.3

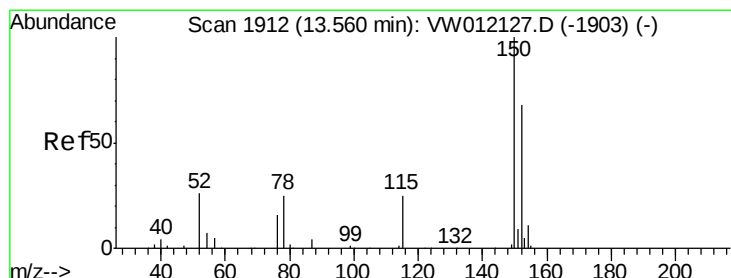
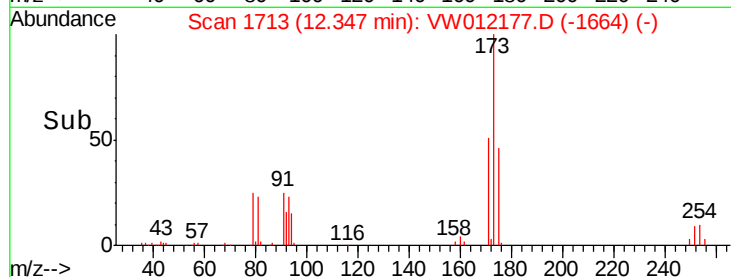
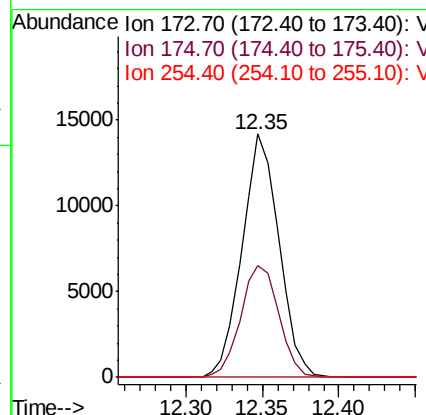
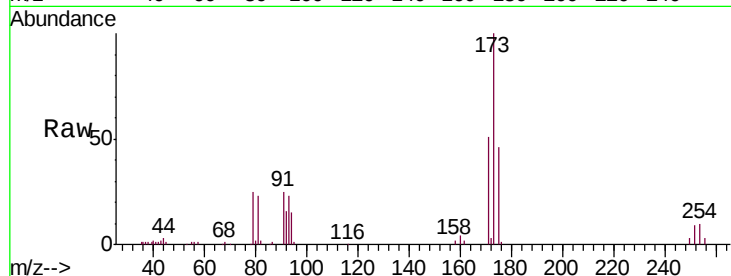




#71
Bromoform
Concen: 19.839 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW012177.D
Acq: 26 Aug 2019 18:14

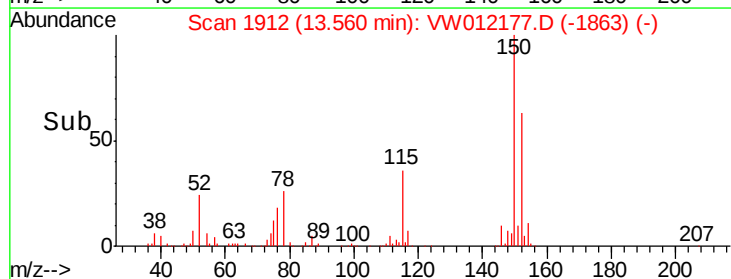
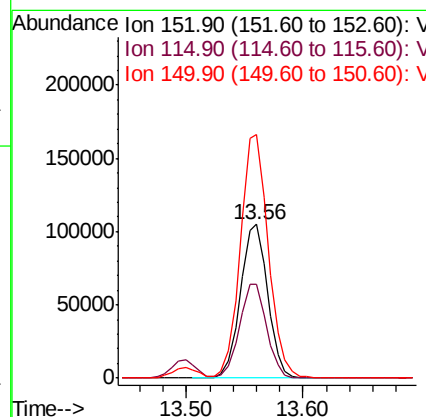
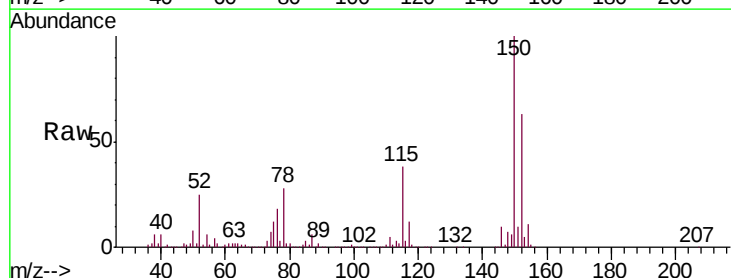
Instrument :
MSVOA_W
ClientSampleId :
VW0826SBSD02

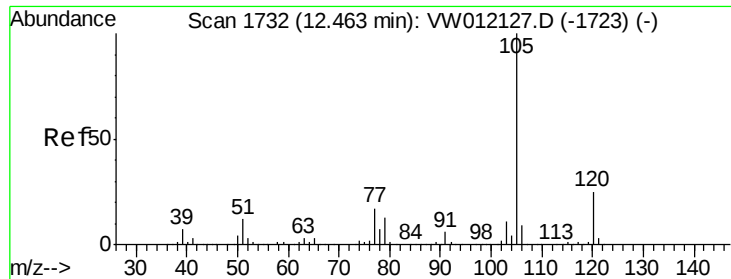
Tgt Ion:173 Resp: 23766
Ion Ratio Lower Upper
173 100
175 47.7 24.6 74.0
254 0.0 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012177.D
Acq: 26 Aug 2019 18:14

Tgt Ion:152 Resp: 170806
Ion Ratio Lower Upper
152 100
115 61.0 30.1 90.3
150 163.0 0.0 345.8





#73

Isopropylbenzene

Concen: 20.054 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

Instrument :

MSVOA_W

ClientSampleId :

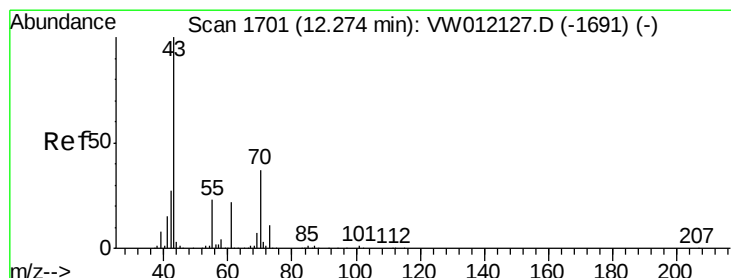
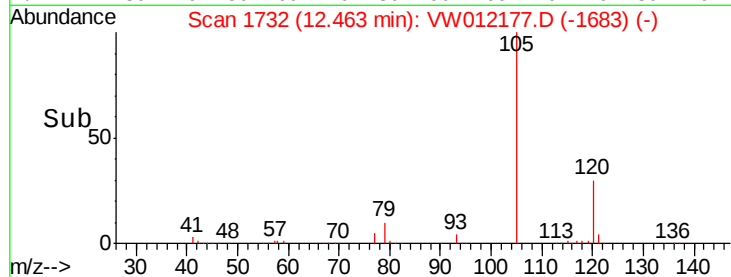
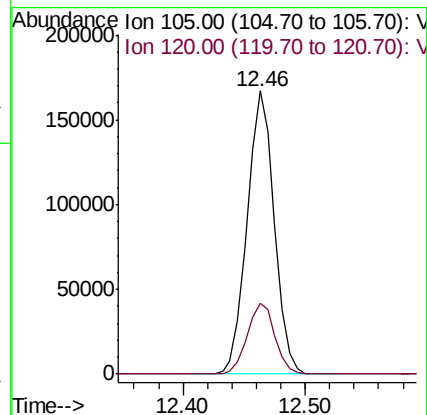
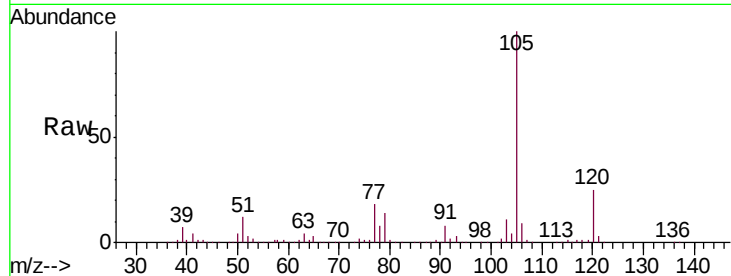
VW0826SBSD02

Tgt Ion: 105 Resp: 256663

Ion Ratio Lower Upper

105 100

120 25.6 12.5 37.5



#74

N-ethyl acetate

Concen: 19.794 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

Tgt Ion: 43 Resp: 76541

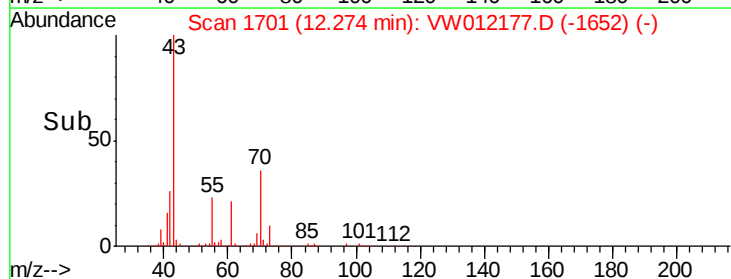
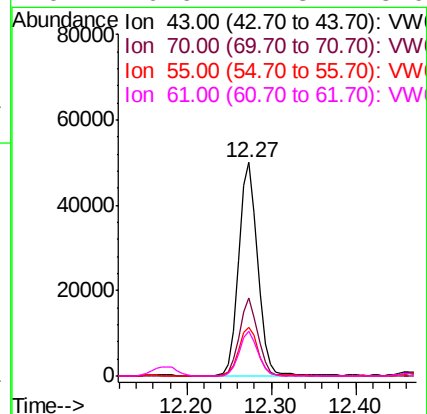
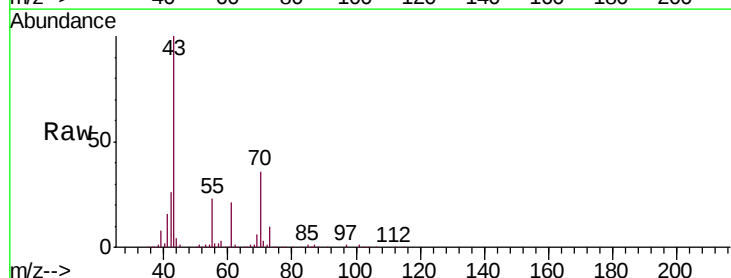
Ion Ratio Lower Upper

43 100

70 35.1 28.6 43.0

55 23.4 17.8 26.6

61 20.6 17.3 25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.036 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

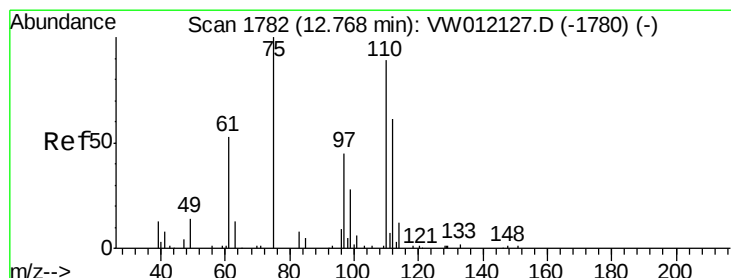
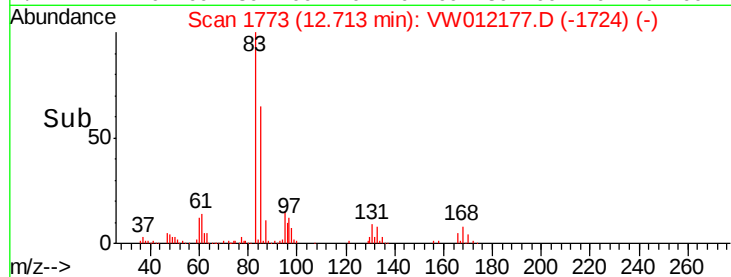
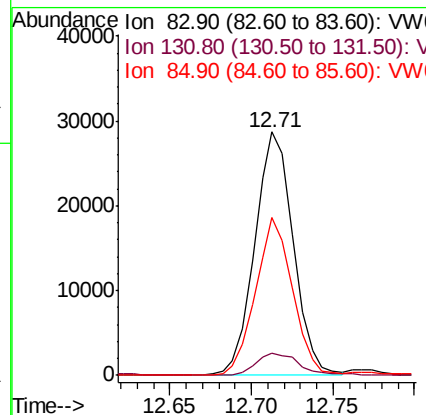
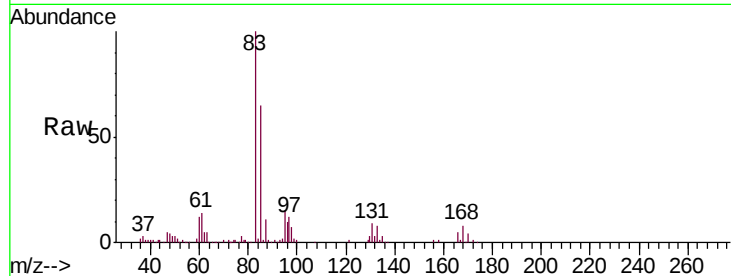
Instrument :

MSVOA_W

ClientSampleId :

VW0826SBSD02

Tgt Ion:	83	Resp:	47012
Ion	Ratio	Lower	Upper
83	100		
131	10.3	4.9	14.7
85	62.2	31.9	95.7



#76

1,2,3-Trichloropropane

Concen: 37.035 ug/l

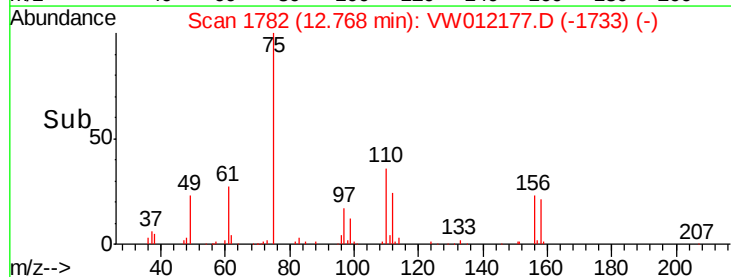
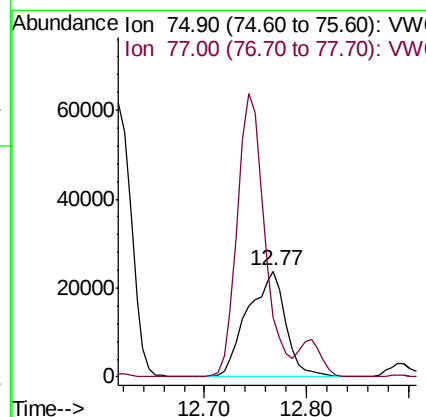
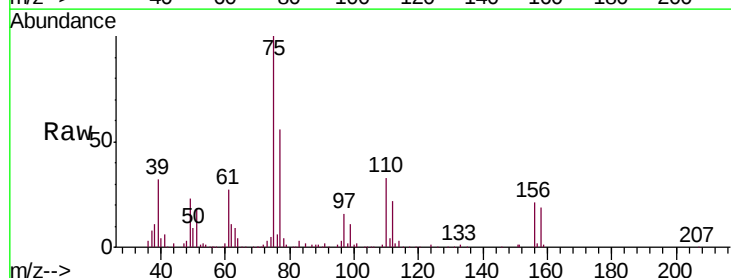
RT: 12.77 min Scan# 1782

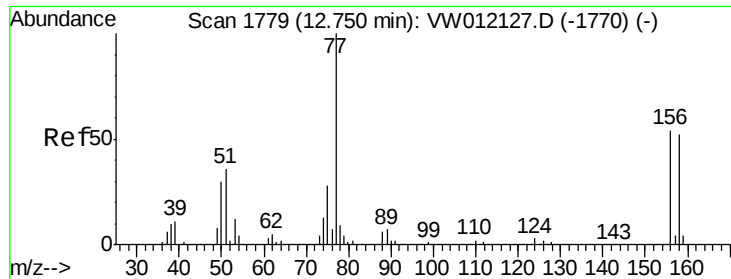
Delta R.T. -0.00 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

Tgt Ion:	75	Resp:	61609
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.109 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBSD02

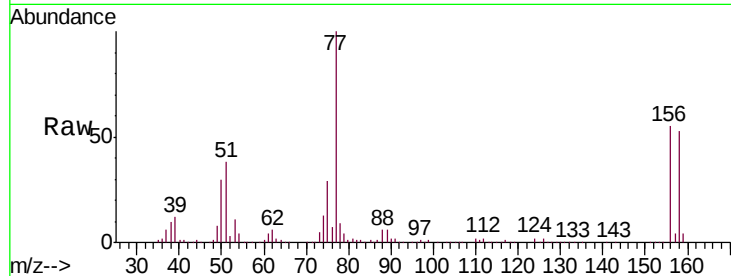
Tgt Ion: 156 Resp: 55680

Ion Ratio Lower Upper

156 100

77 212.7 107.3 321.8

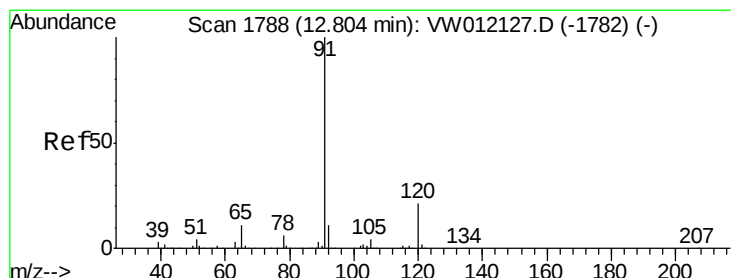
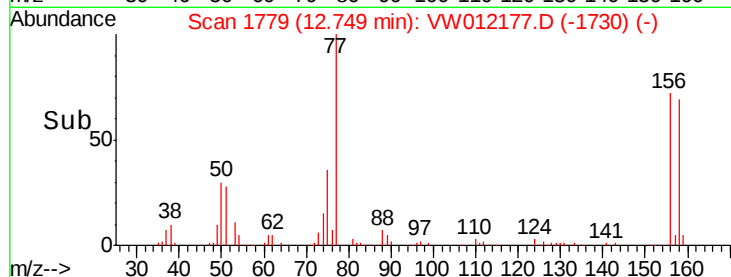
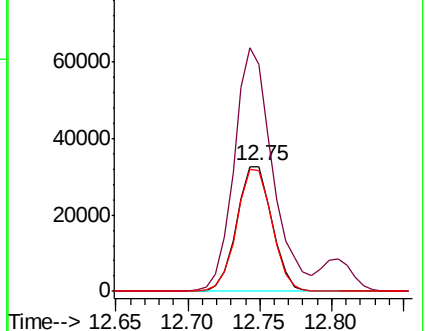
158 97.6 49.0 147.0



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: 20.200 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012177.D

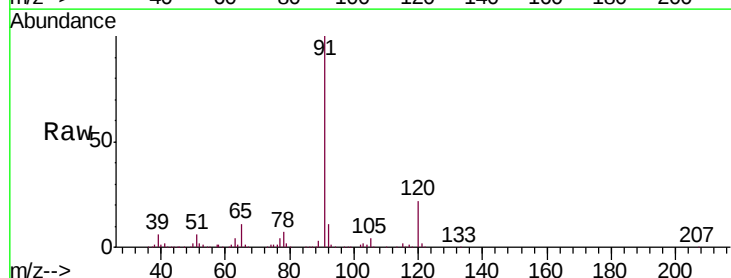
Acq: 26 Aug 2019 18:14

Tgt Ion: 91 Resp: 315621

Ion Ratio Lower Upper

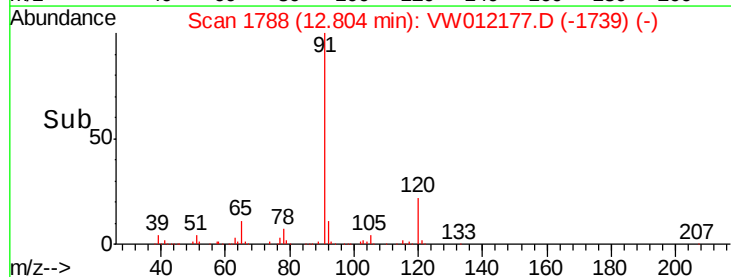
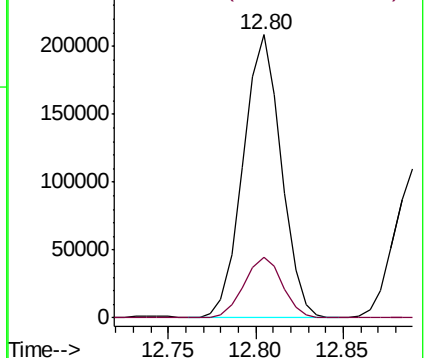
91 100

120 21.6 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: 20.162 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

Instrument :

MSVOA_W

ClientSampleId :

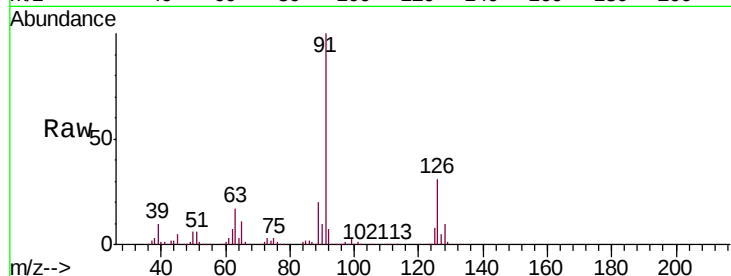
VW0826SBSD02

Tgt Ion: 91 Resp: 178850

Ion Ratio Lower Upper

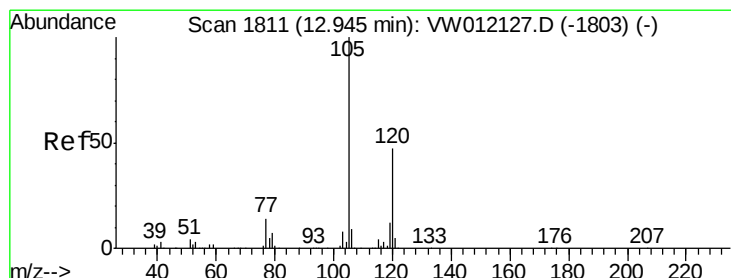
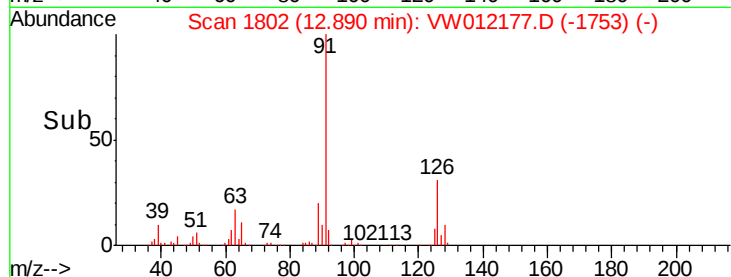
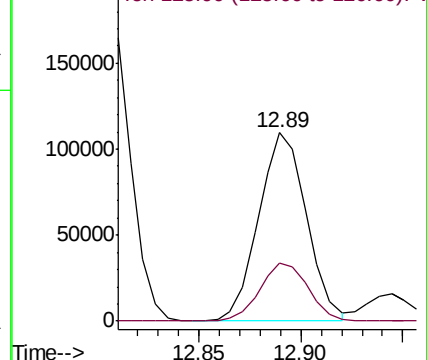
91 100

126 31.2 15.7 47.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.327 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012177.D

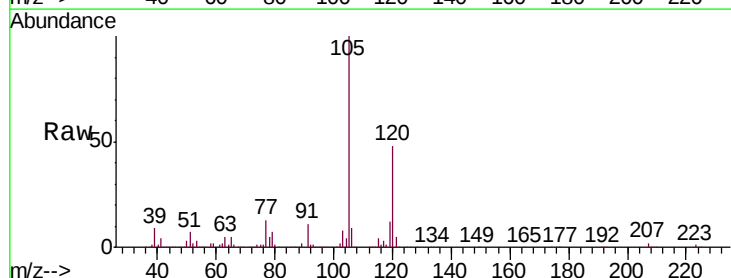
Acq: 26 Aug 2019 18:14

Tgt Ion: 105 Resp: 217391

Ion Ratio Lower Upper

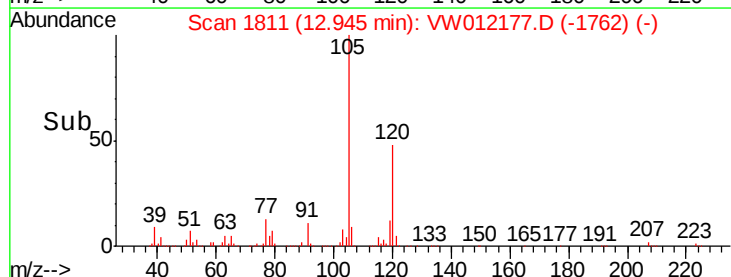
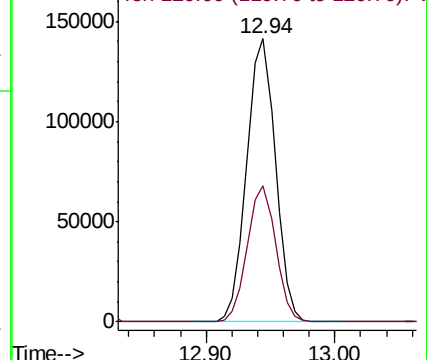
105 100

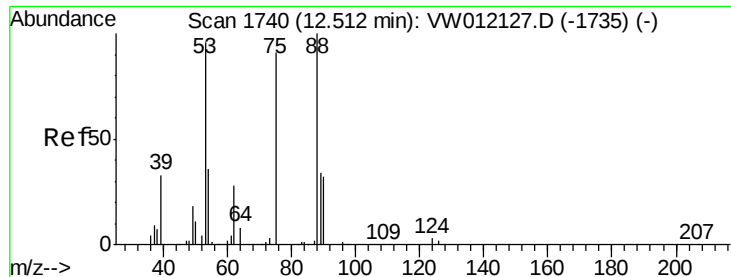
120 47.6 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.892 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBSD02

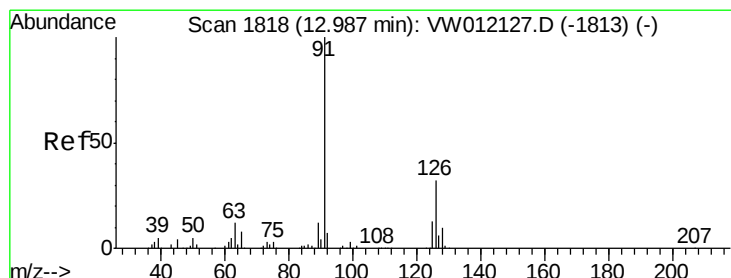
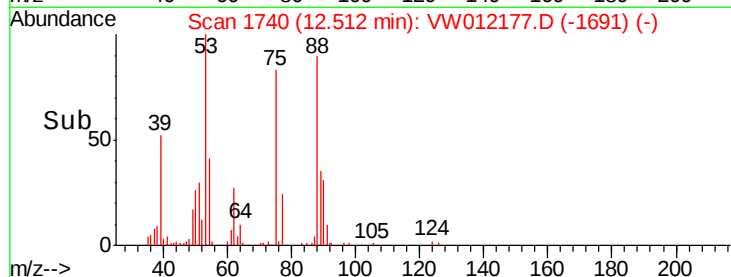
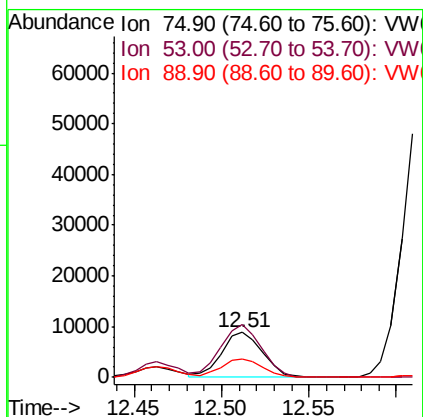
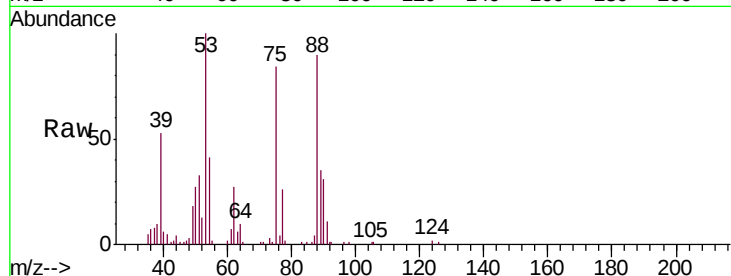
Tgt Ion: 75 Resp: 14334

Ion Ratio Lower Upper

75 100

53 119.9 89.4 134.0

89 41.9 34.5 51.7



#82

4-Chlorotoluene

Concen: 20.038 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW012177.D

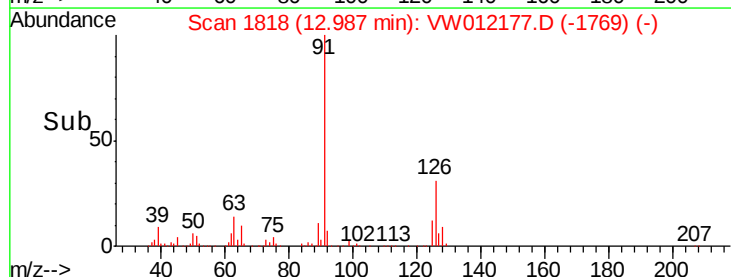
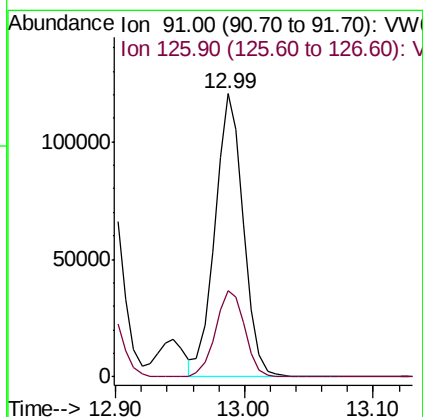
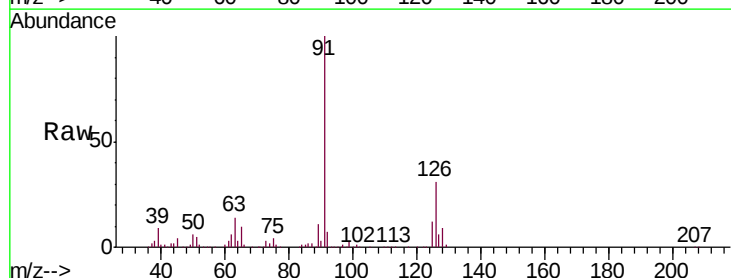
Acq: 26 Aug 2019 18:14

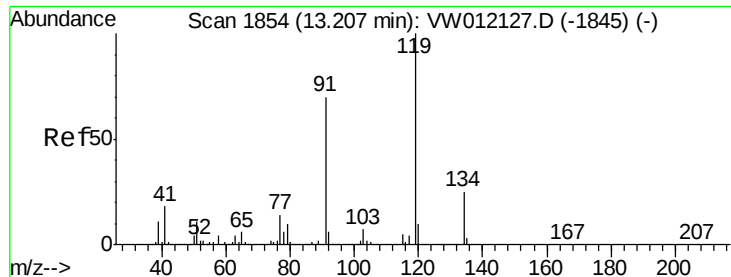
Tgt Ion: 91 Resp: 186121

Ion Ratio Lower Upper

91 100

126 31.4 15.6 46.8

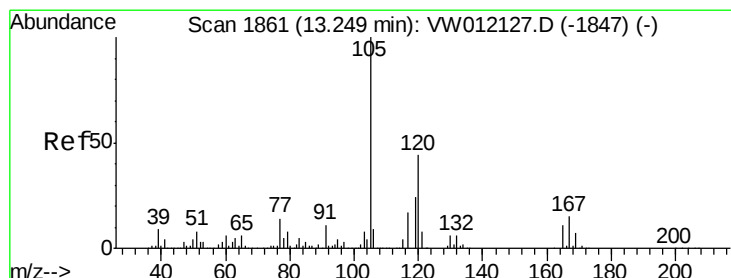
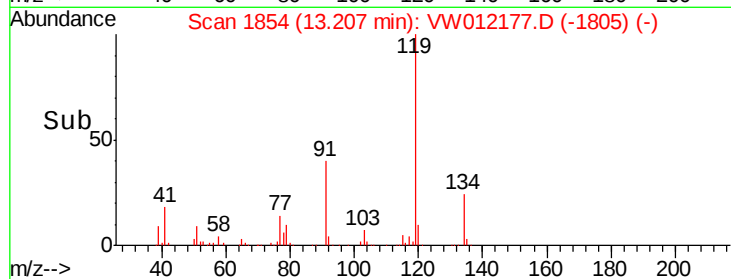
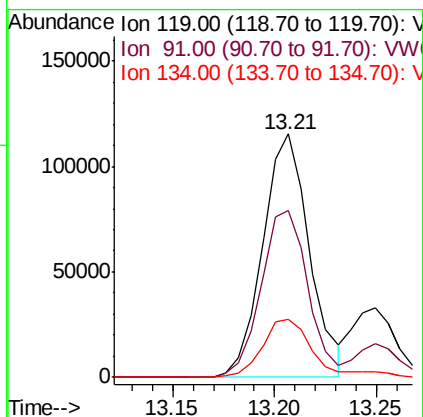
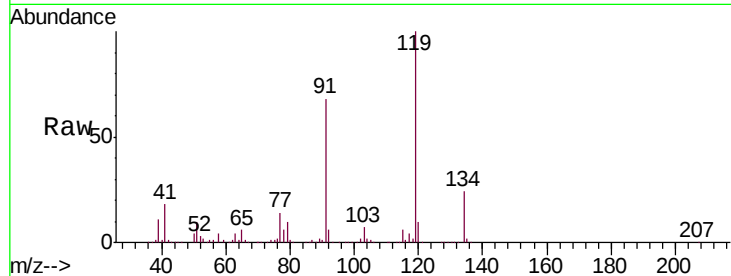




#83
 tert-Butylbenzene
 Concen: 20.302 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012177.D
 Acq: 26 Aug 2019 18:14

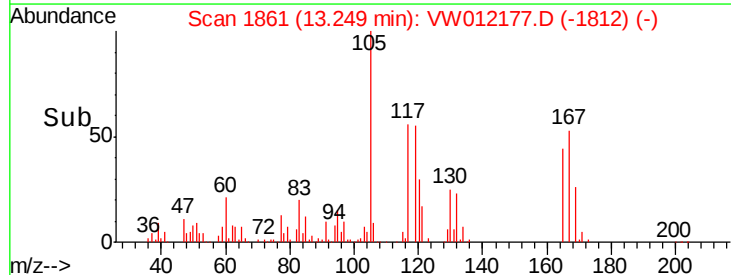
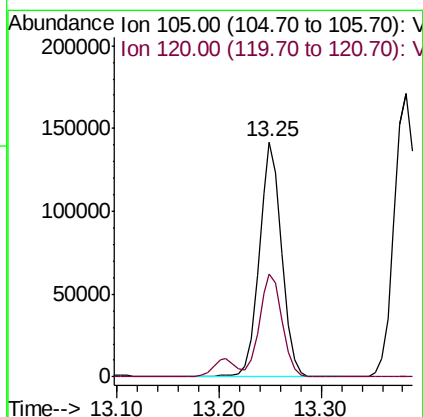
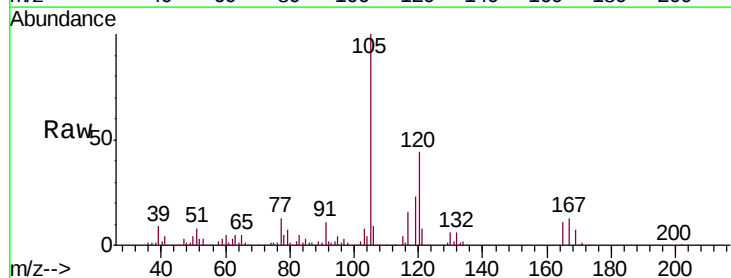
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0826SBSD02

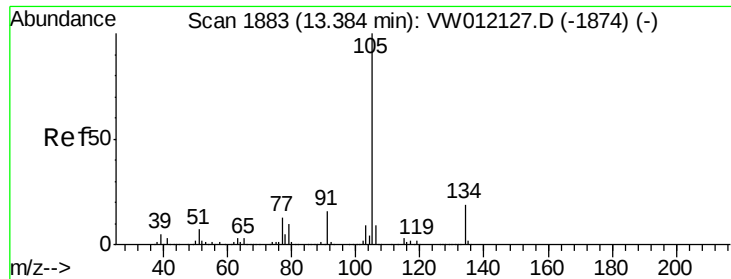
Tgt Ion:119 Resp: 183924
 Ion Ratio Lower Upper
 119 100
 91 68.9 34.8 104.3
 134 24.5 13.3 39.8



#84
 1,2,4-Trimethylbenzene
 Concen: 20.178 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012177.D
 Acq: 26 Aug 2019 18:14

Tgt Ion:105 Resp: 216771
 Ion Ratio Lower Upper
 105 100
 120 44.1 21.9 65.7

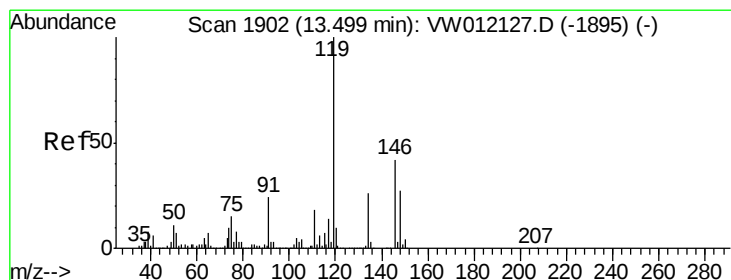
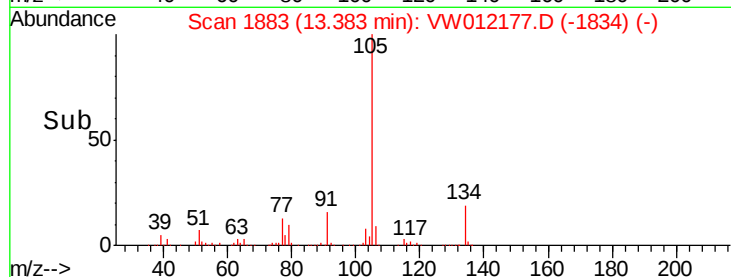
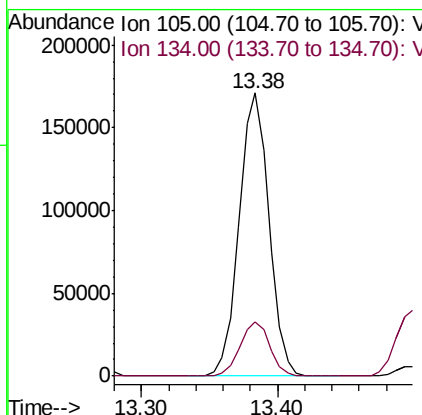
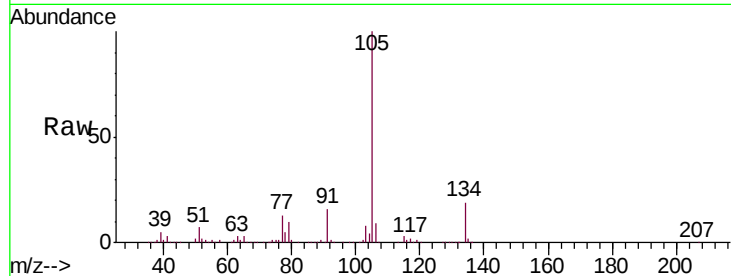




#85
 sec-Butylbenzene
 Concen: 20.143 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012177.D
 Acq: 26 Aug 2019 18:14

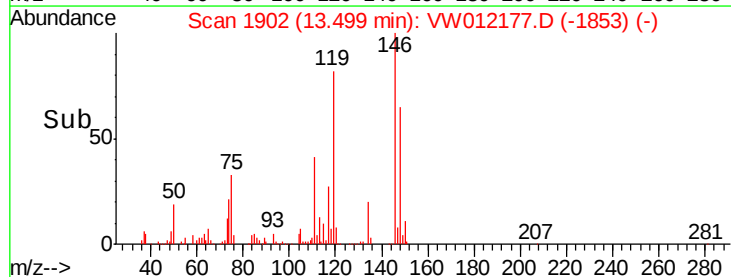
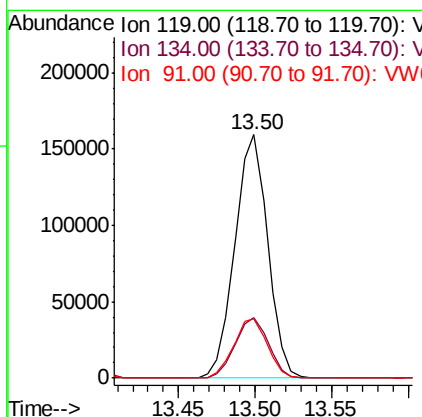
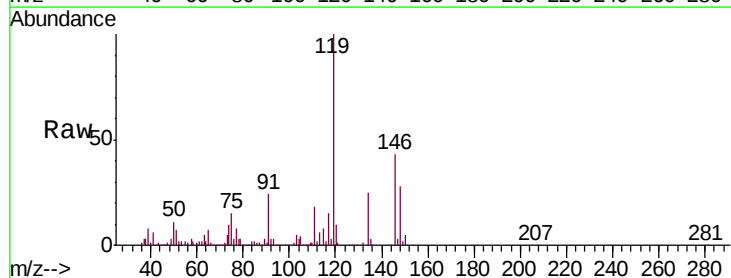
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0826SBS02

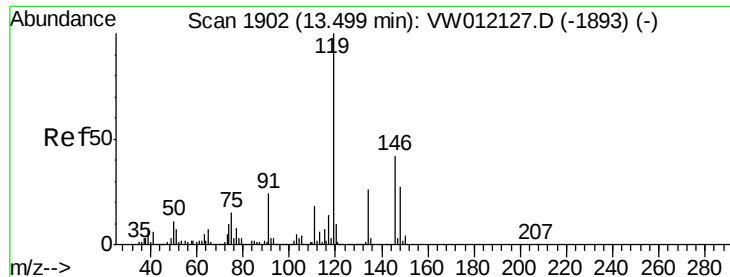
Tgt Ion:105 Resp: 261440
 Ion Ratio Lower Upper
 105 100
 134 19.2 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 20.400 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012177.D
 Acq: 26 Aug 2019 18:14

Tgt Ion:119 Resp: 236454
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.8 38.3
 91 24.8 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 20.432 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

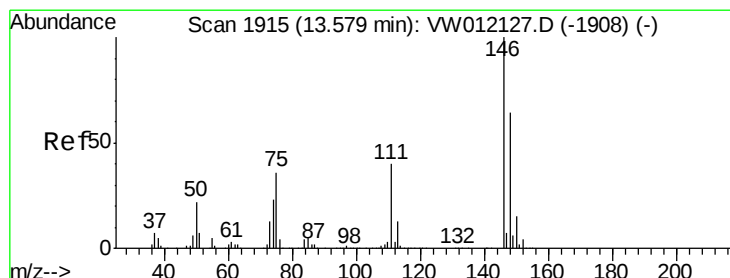
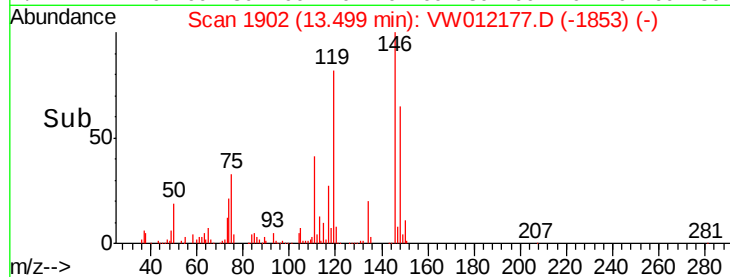
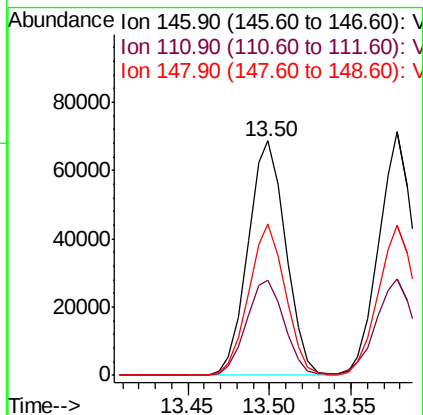
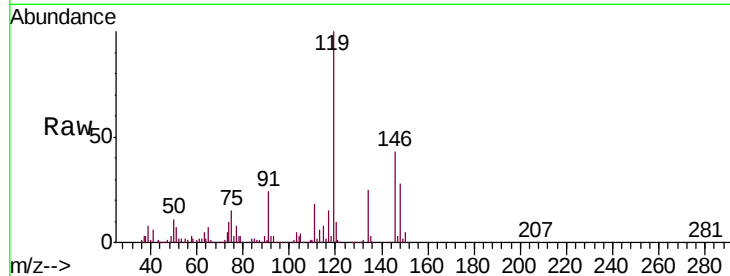
Instrument :

MSVOA_W

ClientSampleId :

VW0826SBSD02

Tgt Ion:	146	Resp:	110657
Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.9	62.7
148	62.7	32.2	96.6



#88

1,4-Dichlorobenzene

Concen: 20.183 ug/l

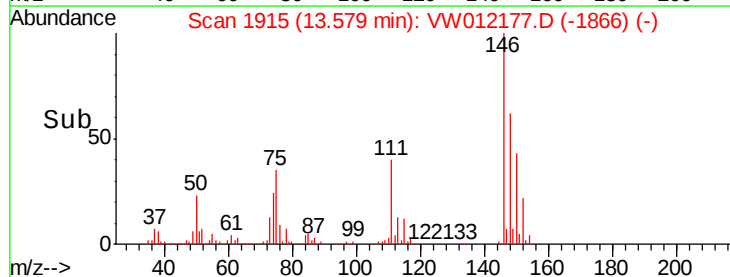
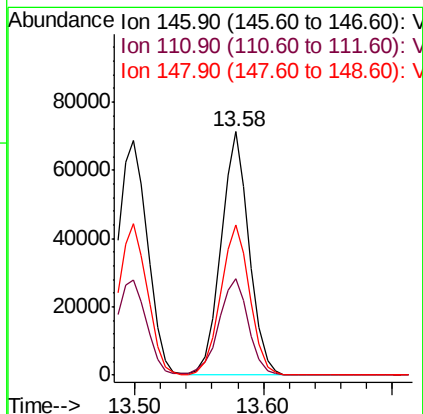
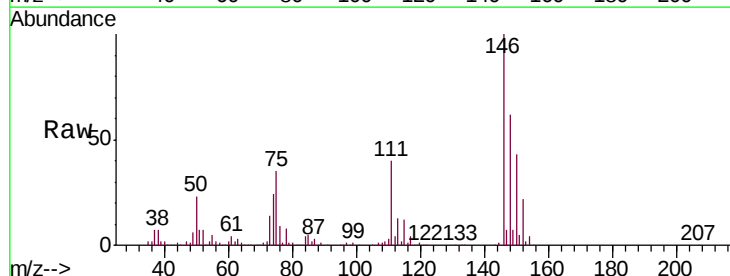
RT: 13.58 min Scan# 1915

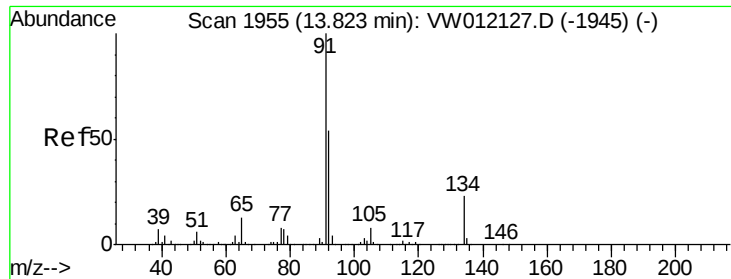
Delta R.T. -0.00 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

Tgt Ion:	146	Resp:	108532
Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.0	60.0
148	64.2	32.1	96.3





#89

n-Butylbenzene

Concen: 20.551 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBS02

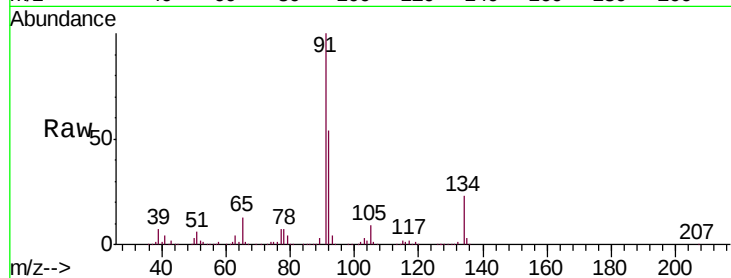
Tgt Ion: 91 Resp: 236882

Ion Ratio Lower Upper

91 100

92 53.8 27.1 81.2

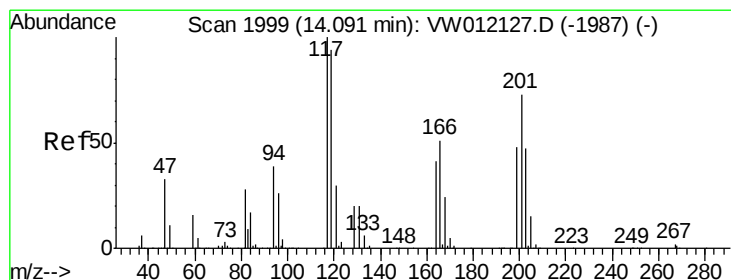
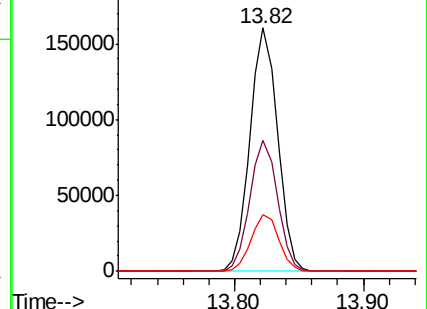
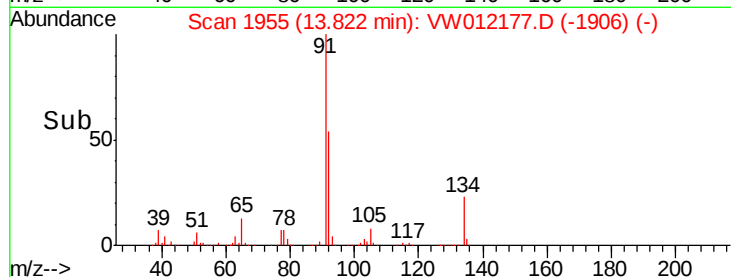
134 23.5 12.2 36.4



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: 20.480 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW012177.D

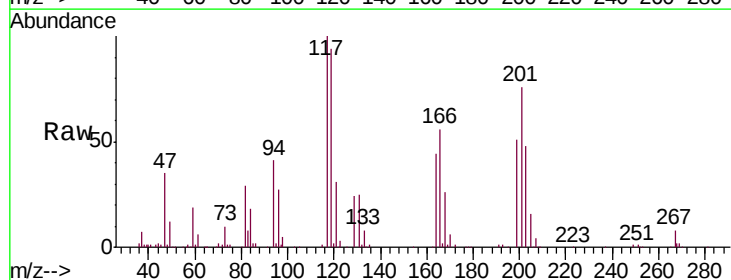
Acq: 26 Aug 2019 18:14

Tgt Ion: 117 Resp: 41647

Ion Ratio Lower Upper

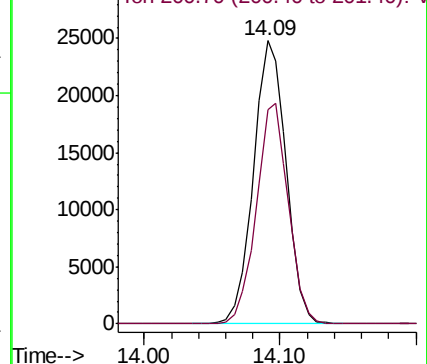
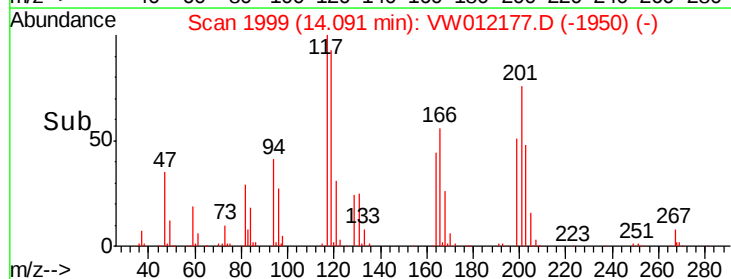
117 100

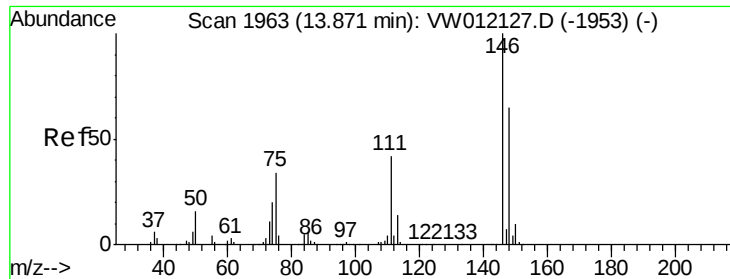
201 76.5 38.6 115.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 20.407 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBSD02

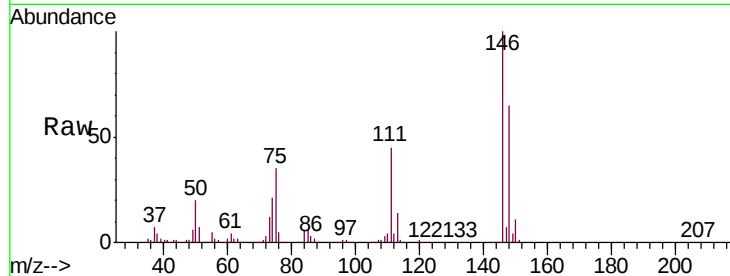
Tgt Ion:146 Resp: 96956

Ion Ratio Lower Upper

146 100

111 43.9 21.2 63.6

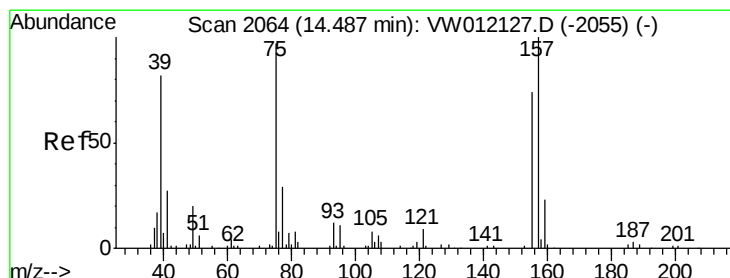
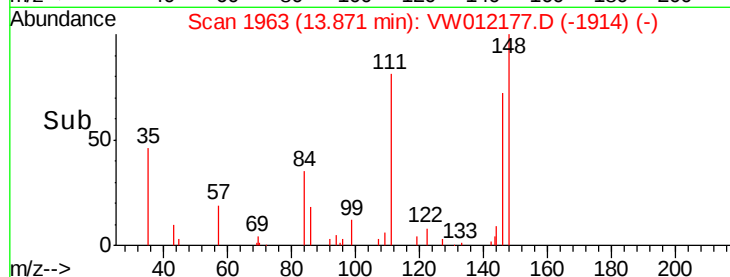
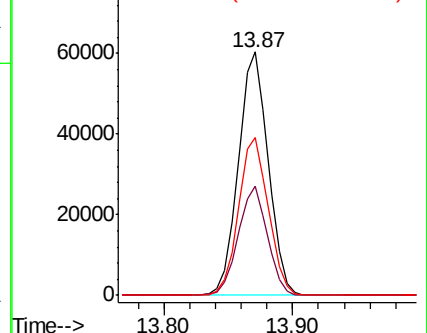
148 64.7 32.5 97.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.371 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. -0.01 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

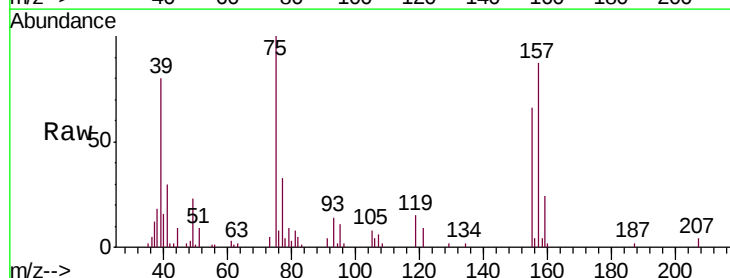
Tgt Ion: 75 Resp: 7267

Ion Ratio Lower Upper

75 100

155 75.9 37.5 112.3

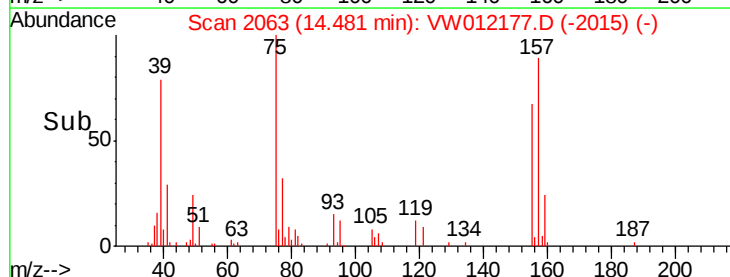
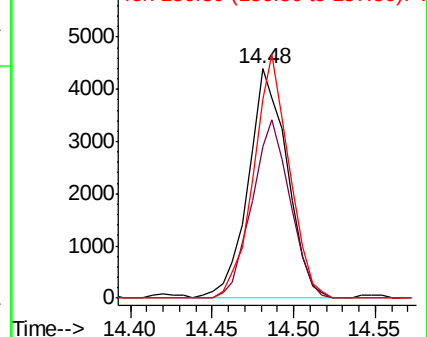
157 97.3 50.5 151.5

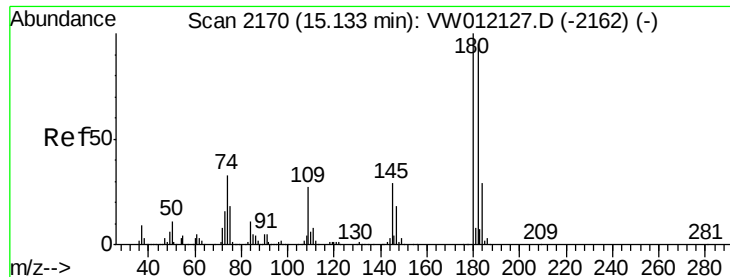


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

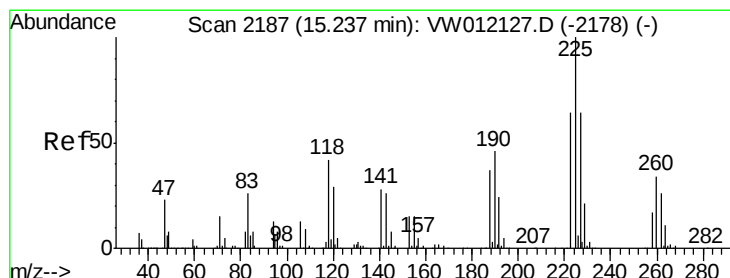
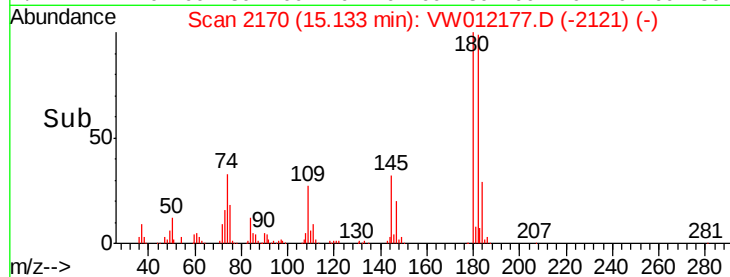
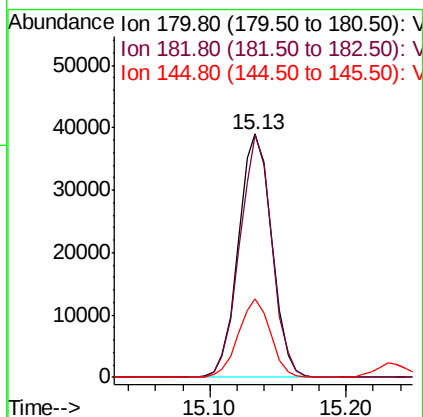
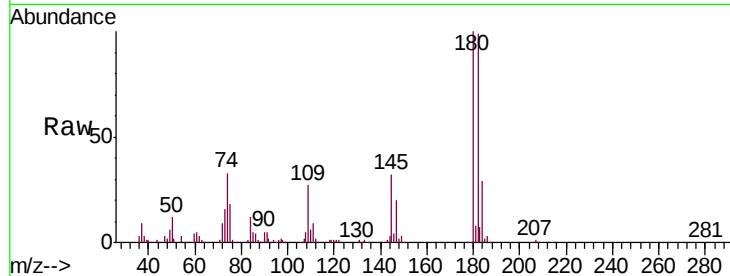




#93
 1,2,4-Trichlorobenzene
 Concen: 20.349 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012177.D
 Acq: 26 Aug 2019 18:14

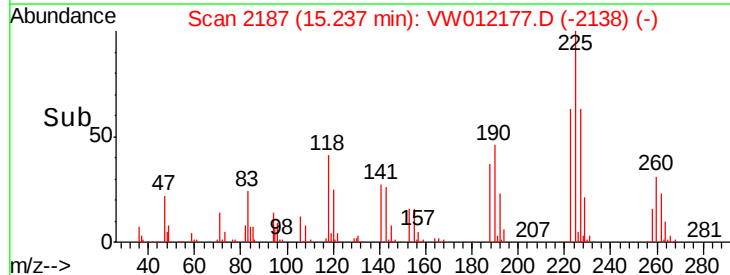
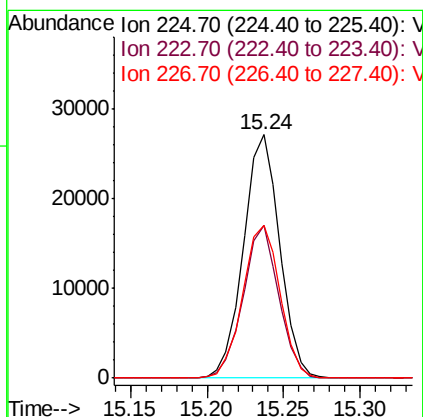
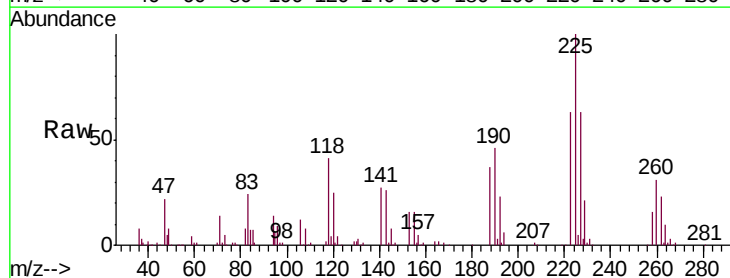
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0826SBSD02

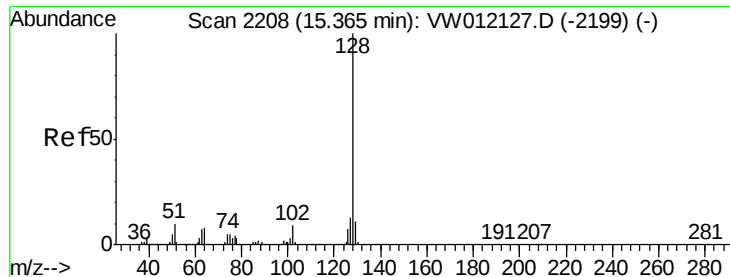
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	66812		
182	96.1	47.8	143.4	
145	31.0	15.0	45.1	



#94
 Hexachlorobutadiene
 Concen: 20.617 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012177.D
 Acq: 26 Aug 2019 18:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	44697		
223	61.6	32.3	96.8	
227	64.8	32.9	98.6	

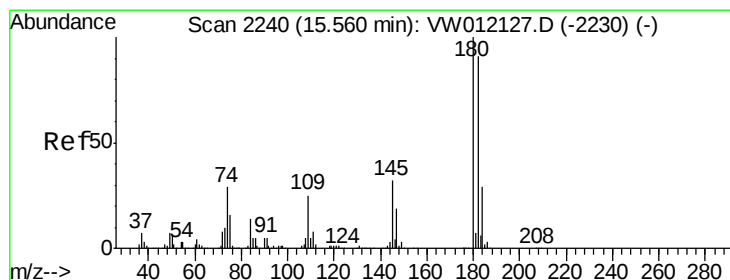
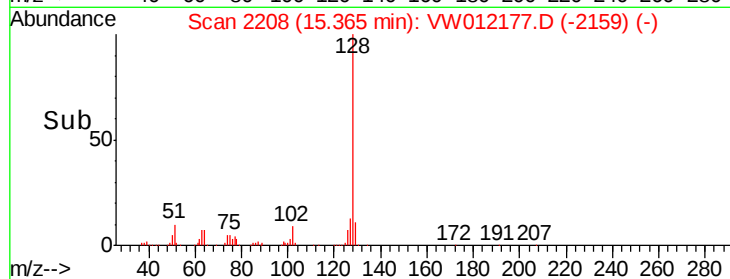
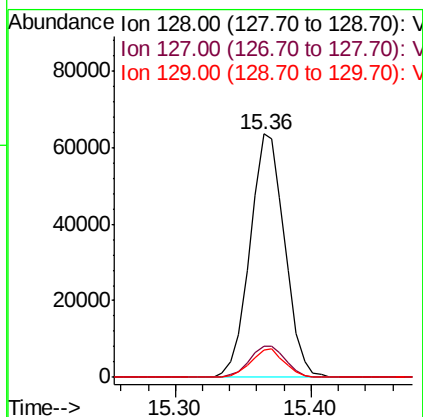
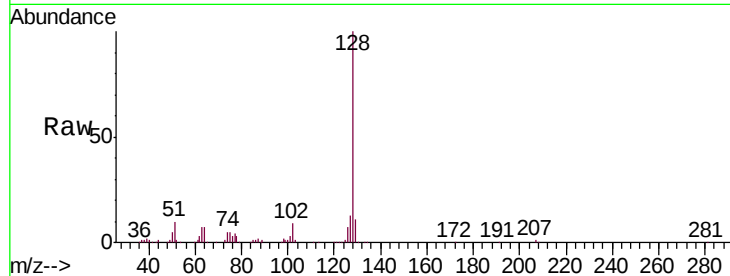




#95
Naphthalene
Concen: 20.459 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012177.D
Acq: 26 Aug 2019 18:14

Instrument :
MSVOA_W
ClientSampleId :
VW0826SBSD02

Tgt Ion:128 Resp: 113808
Ion Ratio Lower Upper
128 100
127 13.3 10.7 16.1
129 11.1 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 20.604 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW012177.D
Acq: 26 Aug 2019 18:14

Tgt Ion:180 Resp: 59022
Ion Ratio Lower Upper
180 100
182 93.9 47.1 141.3
145 31.4 16.2 48.5

