

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082719\
 Data File : VW012226.D
 Acq On : 27 Aug 2019 23:21
 Operator : SY/VA
 Sample : VW0827SBSD02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0827SBSD02

Quant Time: Aug 28 06:59:34 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	227715	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	384738	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	338756	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	162468	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	145470	53.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.48%	
35) Dibromofluoromethane	7.88	113	116112	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	
50) Toluene-d8	10.32	98	467447	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	
62) 4-Bromofluorobenzene	12.62	95	165701	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	23756	16.943	ug/l	96
3) Chloromethane	2.21	50	40386	18.591	ug/l	97
4) Vinyl Chloride	2.36	62	47537	17.879	ug/l	99
5) Bromomethane	2.76	94	26231	19.480	ug/l	99
6) Chloroethane	2.92	64	29013	19.344	ug/l	97
7) Trichlorofluoromethane	3.26	101	23559	17.646	ug/l	95
8) Diethyl Ether	3.68	74	27393	21.616	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	43760	19.283	ug/l	99
10) Methyl Iodide	4.27	142	61402	19.998	ug/l	99
11) Tert butyl alcohol	5.16	59	22867	140.371	ug/l #	84
12) 1,1-Dichloroethene	4.04	96	43437	19.017	ug/l	99
13) Acrolein	3.89	56	15566	101.509	ug/l	96
14) Allyl chloride	4.67	41	99845	20.447	ug/l	99
15) Acrylonitrile	5.37	53	73085	116.356	ug/l	99
16) Acetone	4.12	43	65007	93.946	ug/l	97
17) Carbon Disulfide	4.38	76	112460	16.292	ug/l	99
18) Methyl Acetate	4.67	43	44788	26.133	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	85150	23.053	ug/l	94
20) Methylene Chloride	4.92	84	60994	23.317	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	48119	19.646	ug/l	95
22) Diisopropyl ether	6.31	45	201325	22.243	ug/l	100
23) Vinyl Acetate	6.25	43	599320	107.593	ug/l	99
24) 1,1-Dichloroethane	6.21	63	103398	20.981	ug/l	99
25) 2-Butanone	7.17	43	105101	111.775	ug/l	98
26) 2,2-Dichloropropane	7.17	77	57640	20.664	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	55918	21.368	ug/l	99
28) Bromochloromethane	7.51	49	49011	22.817	ug/l	98
29) Tetrahydrofuran	7.53	42	66427	117.750	ug/l	99
30) Chloroform	7.68	83	96566	21.417	ug/l	99
31) Cyclohexane	7.95	56	89450	18.346	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	72737	20.393	ug/l	99
36) 1,1-Dichloropropene	8.08	75	73713	18.540	ug/l	100
37) Ethyl Acetate	7.25	43	46645	21.410	ug/l	98
38) Carbon Tetrachloride	8.07	117	63613	18.486	ug/l	97

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	78834	17.650	ug/l	99
40) Benzene	8.32	78	212004	19.528	ug/l	100
41) Methacrylonitrile	7.48	41	28139	21.975	ug/l	99
42) 1,2-Dichloroethane	8.40	62	69926	20.552	ug/l	97
43) Isopropyl Acetate	8.42	43	86367	21.401	ug/l	98
44) Trichloroethene	9.09	130	51600	19.552	ug/l	96
45) 1,2-Dichloropropane	9.37	63	59588	20.395	ug/l	99
46) Dibromomethane	9.46	93	27066	20.820	ug/l	99
47) Bromodichloromethane	9.65	83	69947	20.217	ug/l	96
48) Methyl methacrylate	9.43	41	40688	21.183	ug/l	96
49) 1,4-Dioxane	9.45	88	8910	447.714	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	228872	111.501	ug/l	99
52) Toluene	10.38	92	131319	20.135	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	72476	20.565	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	85513	20.096	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	40154	21.831	ug/l	99
56) Ethyl methacrylate	10.65	69	57213	21.373	ug/l	99
57) 1,3-Dichloropropane	10.93	76	74357	21.393	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	152475	110.983	ug/l	100
59) 2-Hexanone	10.97	43	152367	104.909	ug/l	99
60) Dibromochloromethane	11.13	129	43172	21.073	ug/l	100
61) 1,2-Dibromoethane	11.23	107	37317	21.778	ug/l	97
64) Tetrachloroethene	10.86	164	43045	19.599	ug/l	98
65) Chlorobenzene	11.66	112	133431	20.003	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	47271	20.314	ug/l	99
67) Ethyl Benzene	11.73	91	251131	19.544	ug/l	99
68) m/p-Xylenes	11.83	106	182202	39.365	ug/l	99
69) o-Xylene	12.16	106	86082	20.095	ug/l	99
70) Styrene	12.18	104	150761	20.332	ug/l	99
71) Bromoform	12.35	173	23187	19.999	ug/l	96
73) Isopropylbenzene	12.46	105	238355	19.579	ug/l	98
74) N-amyl acetate	12.27	43	78066	21.225	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	47381	21.230	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	32292m	20.408	ug/l	
77) Bromobenzene	12.74	156	53564	20.338	ug/l	100
78) n-propylbenzene	12.80	91	290135	19.522	ug/l	100
79) 2-Chlorotoluene	12.89	91	169079	20.038	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	201591	19.817	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	14501	20.093	ug/l	100
82) 4-Chlorotoluene	12.99	91	176561	19.984	ug/l	100
83) tert-Butylbenzene	13.21	119	174855	20.292	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	200533	19.624	ug/l	98
85) sec-Butylbenzene	13.38	105	242568	19.649	ug/l	100
86) p-Isopropyltoluene	13.50	119	213457	19.361	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	103347	20.062	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	102872	20.112	ug/l	99
89) n-Butylbenzene	13.82	91	208050	18.976	ug/l	100
90) Hexachloroethane	14.09	117	38187	19.742	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	92757	20.525	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	8062	21.427	ug/l	97

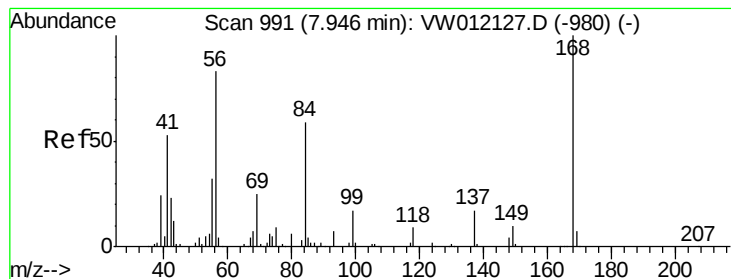
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082719\
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Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	62901	20.141	ug/l	99
94) Hexachlorobutadiene	15.23	225	41530	20.139	ug/l	99
95) Naphthalene	15.36	128	118064	21.922	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	58181	21.353	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012226.D

Acq: 27 Aug 2019 23:21

Instrument :

MSVOA_W

ClientSampleId :

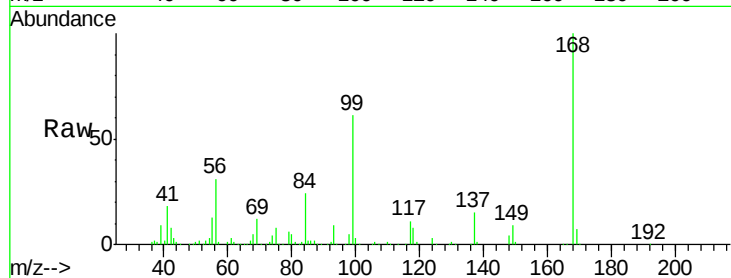
VW0827SBSD02

Tot Ion:168 Resp: 227715

Ion Ratio Lower Upper

168 100

99 60.7 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

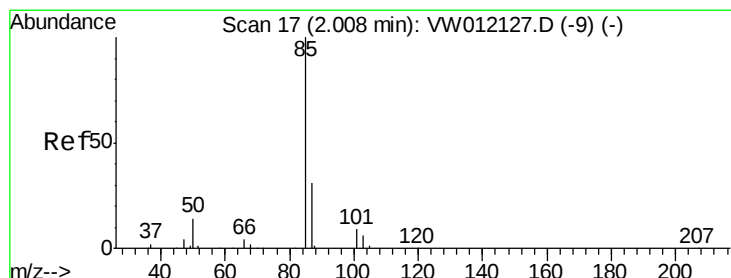
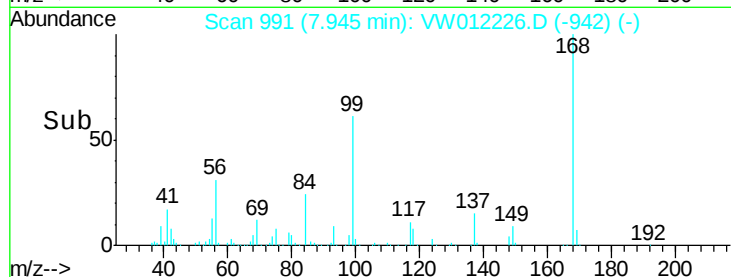
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 16.943 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012226.D

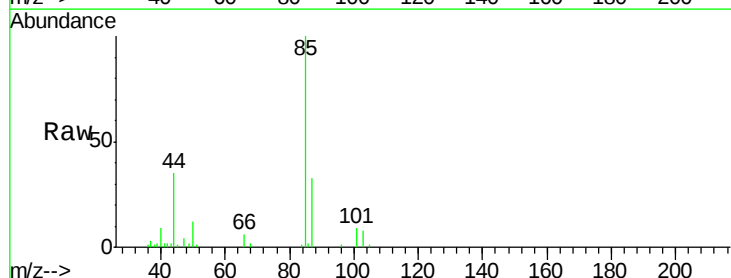
Acq: 27 Aug 2019 23:21

Tgt Ion: 85 Resp: 23756

Ion Ratio Lower Upper

85 100

87 33.4 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

8000

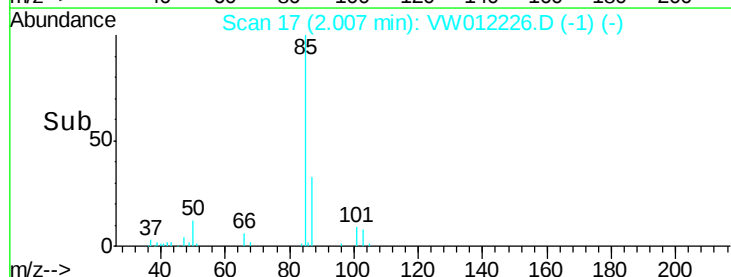
6000

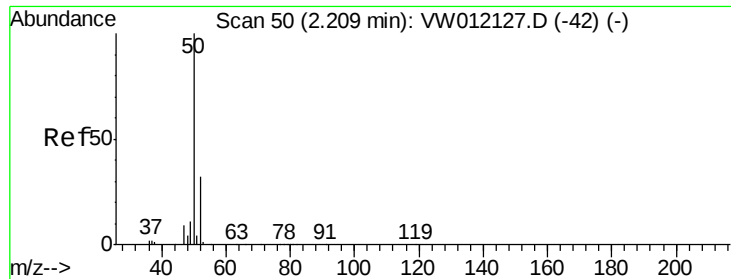
4000

2000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 18.591 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012226.D

Acq: 27 Aug 2019 23:21

Instrument :

MSVOA_W

ClientSampleId :

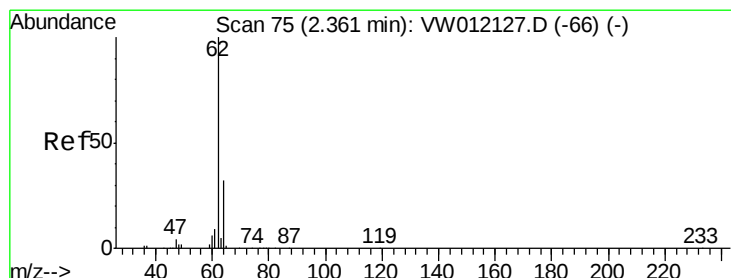
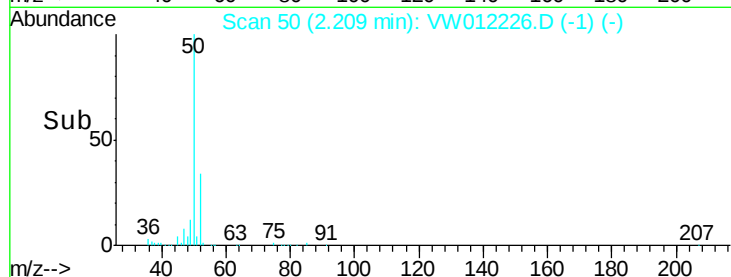
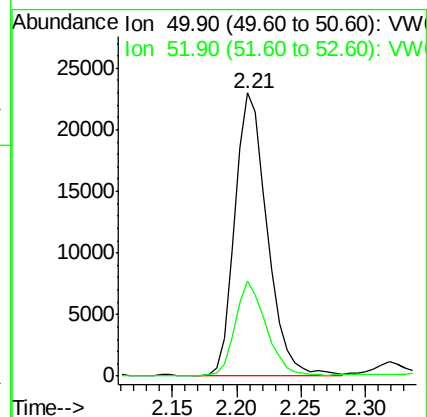
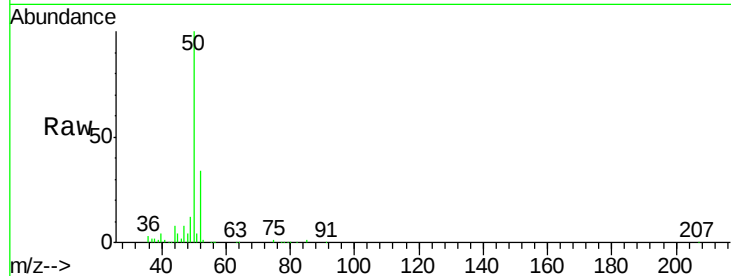
VW0827SBSD02

Tot Ion: 50 Resp: 40386

Ion Ratio Lower Upper

50 100

52 33.6 25.5 38.3



#4

Vinyl Chloride

Concen: 17.879 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012226.D

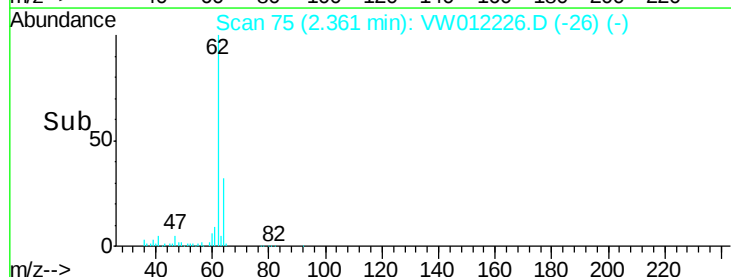
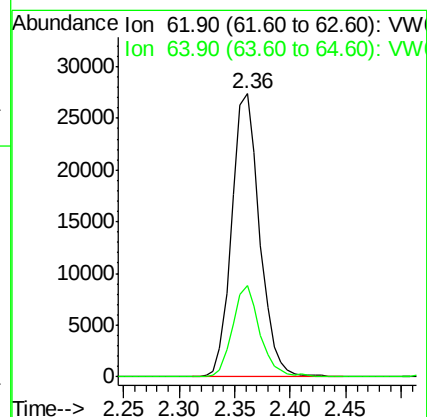
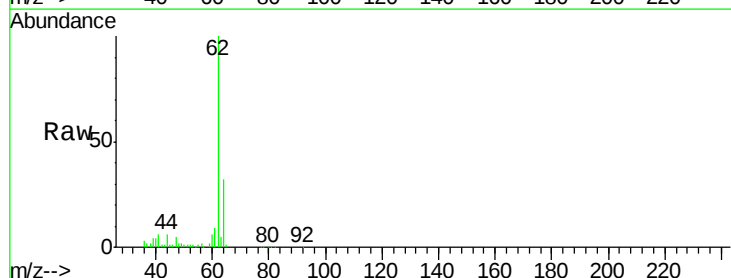
Acq: 27 Aug 2019 23:21

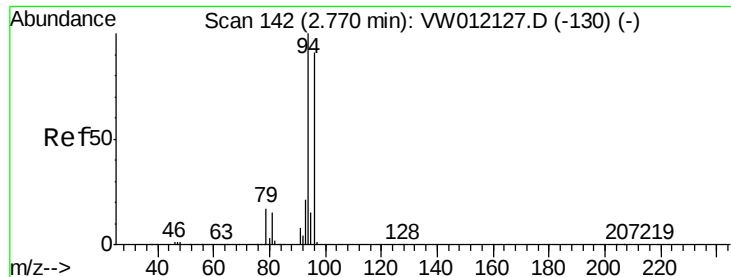
Tgt Ion: 62 Resp: 47537

Ion Ratio Lower Upper

62 100

64 32.2 25.3 37.9





#5

Bromomethane

Concen: 19.480 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW012226.D

Acq: 27 Aug 2019 23:21

Instrument :

MSVOA_W

ClientSampleId :

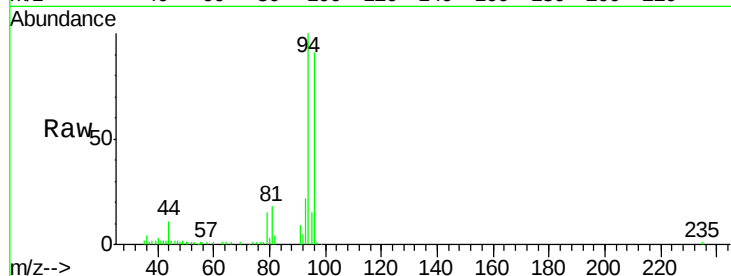
VW0827SBSD02

Tot Ion: 94 Resp: 26231

Ion Ratio Lower Upper

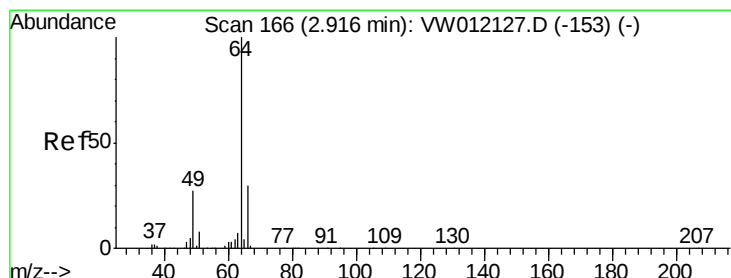
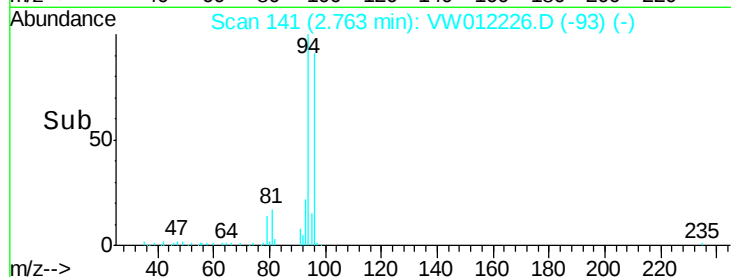
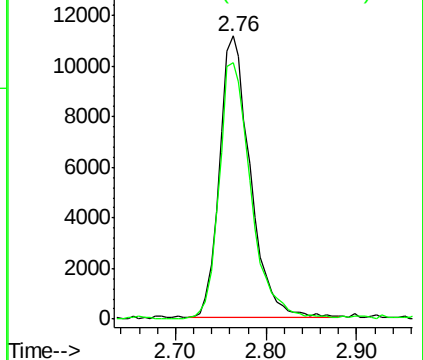
94 100

96 90.5 72.9 109.3



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 19.344 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW012226.D

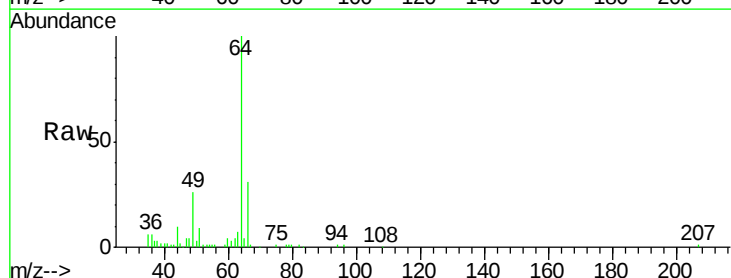
Acq: 27 Aug 2019 23:21

Tgt Ion: 64 Resp: 29013

Ion Ratio Lower Upper

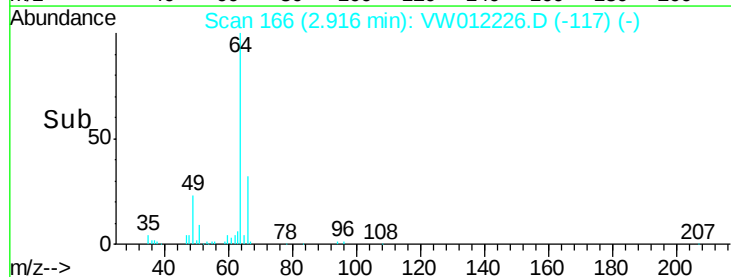
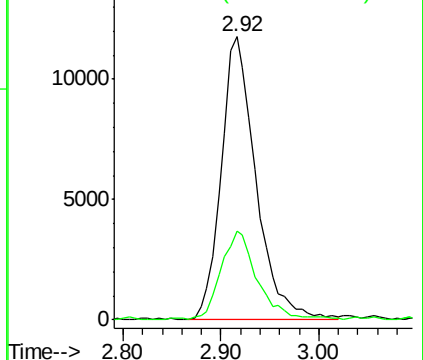
64 100

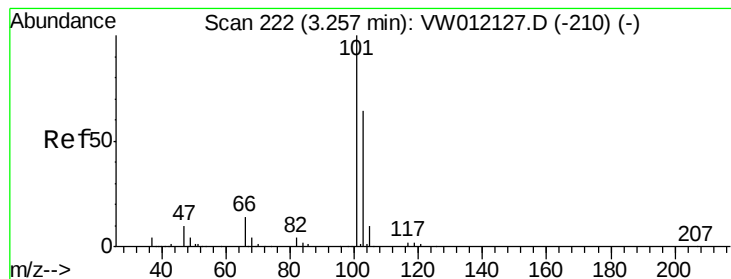
66 31.4 23.8 35.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



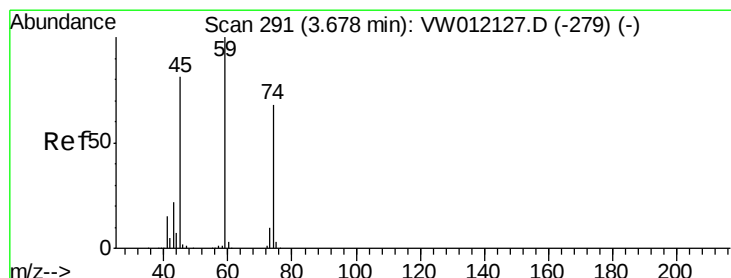
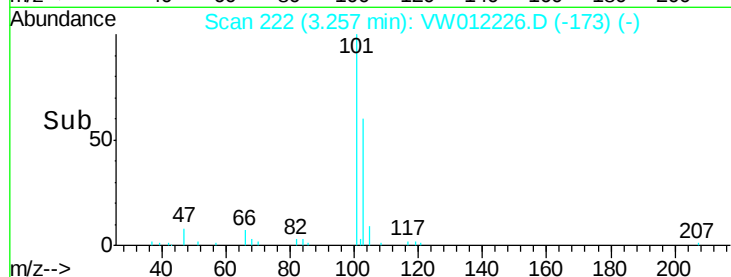
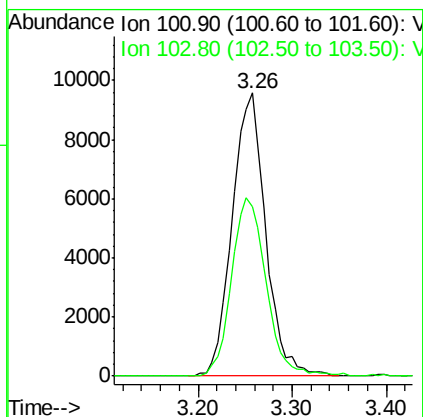
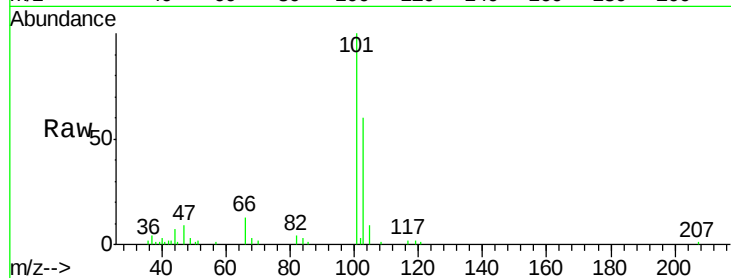


#7

Trichlorofluoromethane
 Concen: 17.646 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW012226.D
 Acq: 27 Aug 2019 23:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0827SBSD02

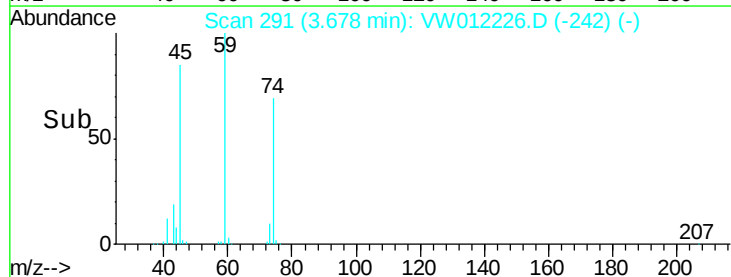
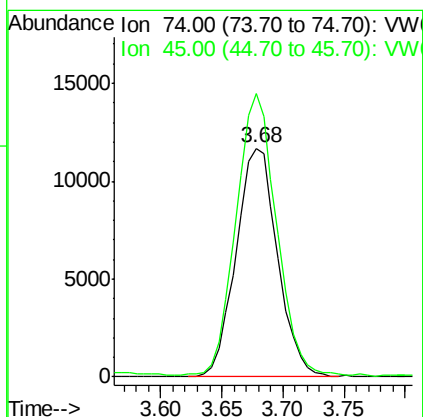
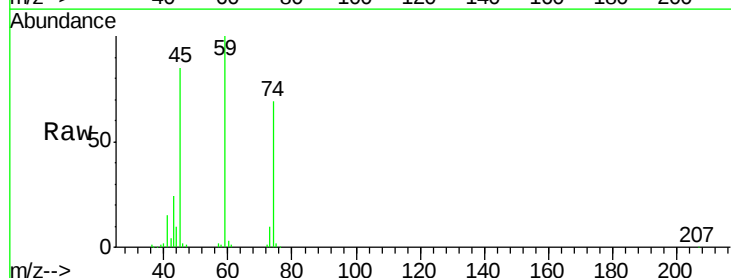
Tot Ion:101 Resp: 23559
 Ion Ratio Lower Upper
 101 100
 103 59.9 51.2 76.8

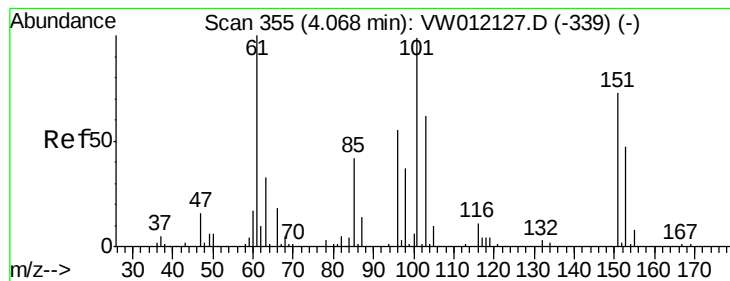


#8

Diethyl Ether
 Concen: 21.616 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012226.D
 Acq: 27 Aug 2019 23:21

Tgt Ion: 74 Resp: 27393
 Ion Ratio Lower Upper
 74 100
 45 123.1 59.2 177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.283 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012226.D

Acq: 27 Aug 2019 23:21

Instrument :

MSVOA_W

ClientSampleId :

VW0827SBS02

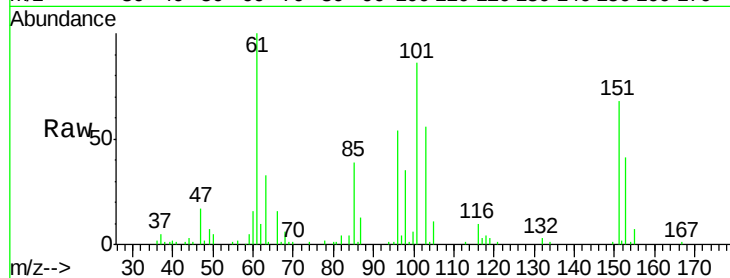
Tot Ion:101 Resp: 43760

Ion Ratio Lower Upper

101 100

85 44.7 35.8 53.6

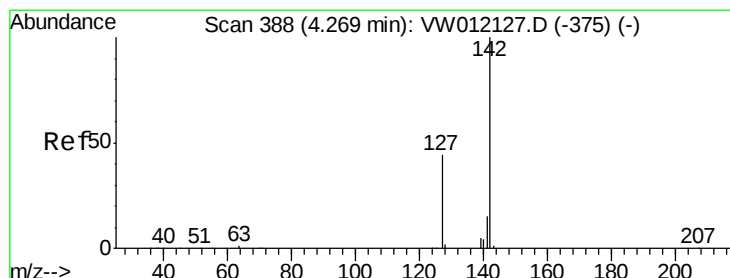
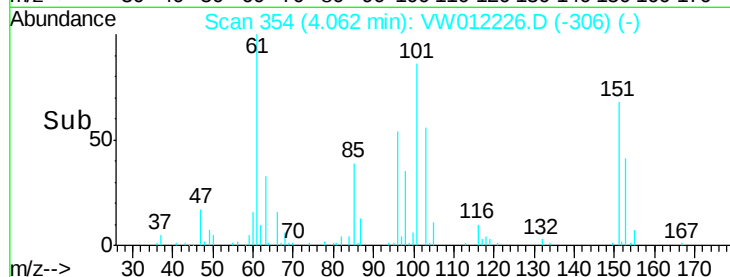
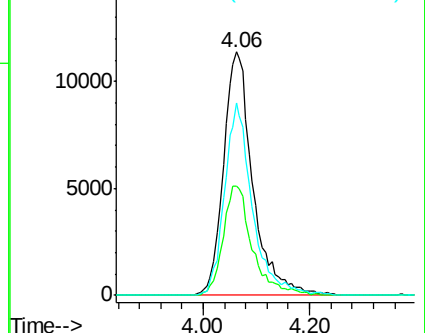
151 74.8 58.6 87.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.998 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW012226.D

Acq: 27 Aug 2019 23:21

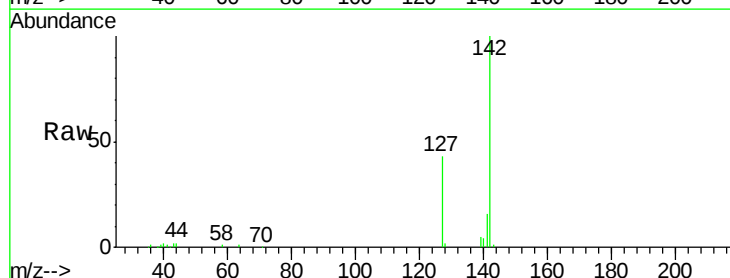
Tgt Ion:142 Resp: 61402

Ion Ratio Lower Upper

142 100

127 43.7 35.5 53.3

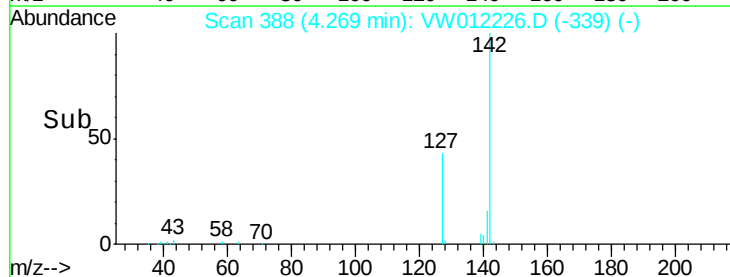
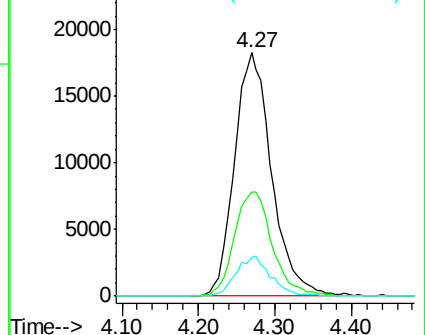
141 15.3 11.8 17.8

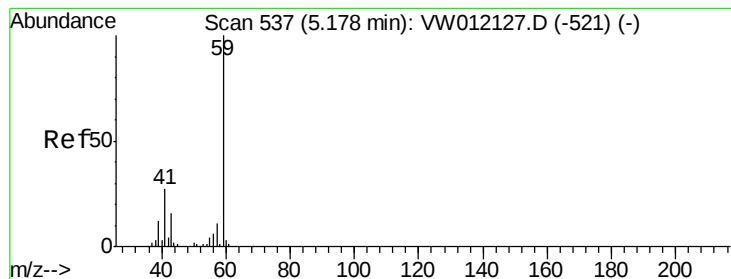


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



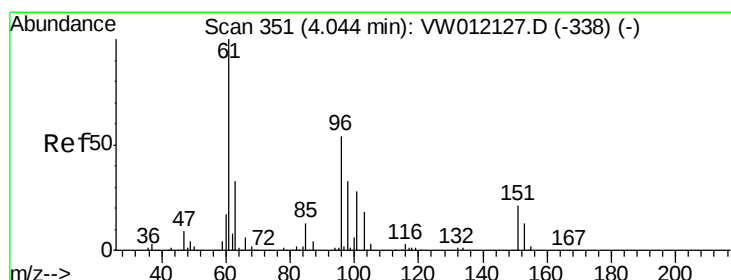
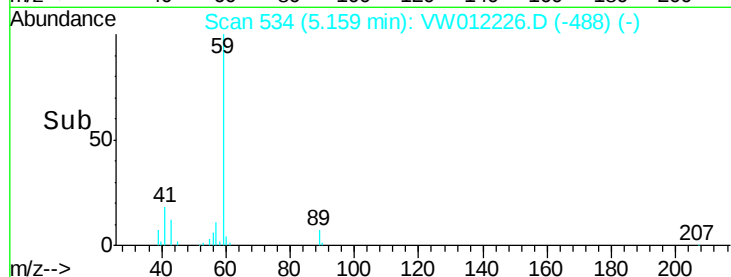
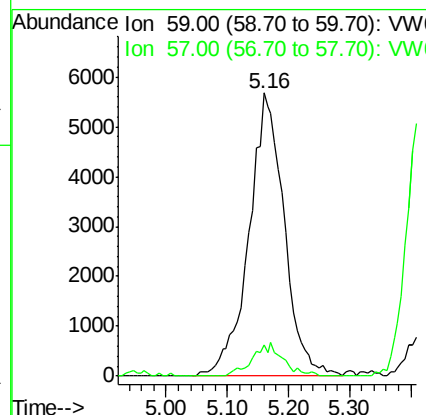
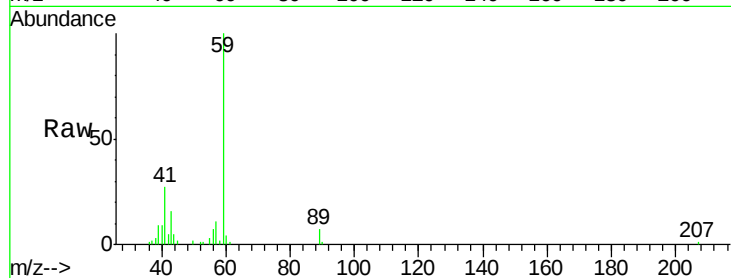


#11

Tert butyl alcohol
Concen: 140.371 ug/l
RT: 5.16 min Scan# 534
Delta R.T. -0.02 min
Lab File: VW012226.D
Acq: 27 Aug 2019 23:21

Instrument :
MSVOA_W
ClientSampleId :
VW0827SBSD02

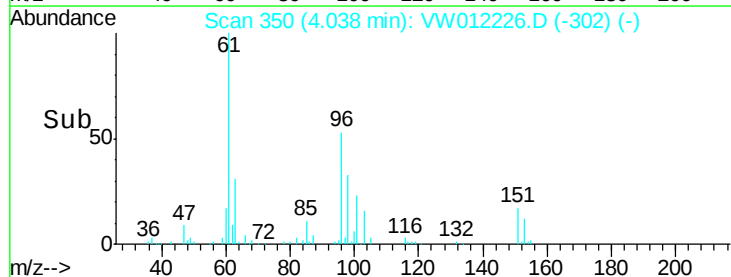
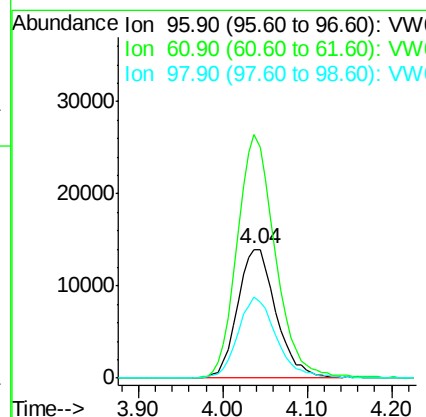
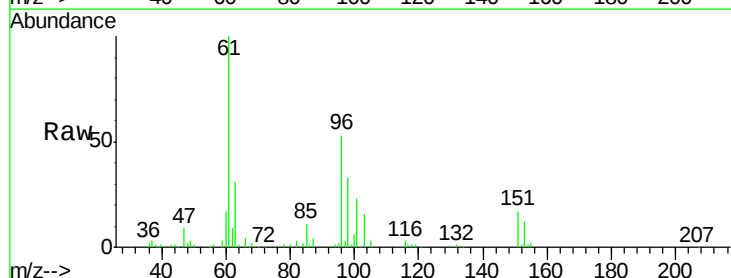
Tot Ion: 59 Resp: 22867
Ion Ratio Lower Upper
59 100
57 5.3 9.0 13.4#

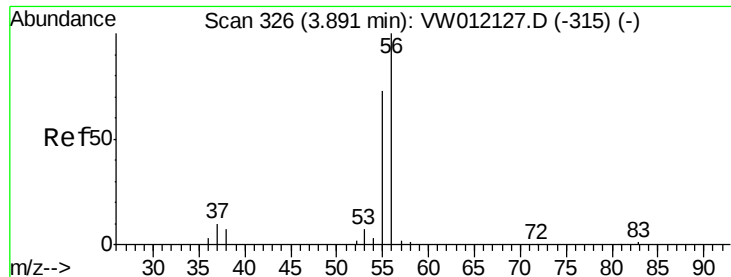


#12

1,1-Dichloroethene
Concen: 19.017 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW012226.D
Acq: 27 Aug 2019 23:21

Tgt Ion: 96 Resp: 43437
Ion Ratio Lower Upper
96 100
61 188.7 149.1 223.7
98 62.6 49.4 74.2





#13

Acrolein

Concen: 101.509 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW012226.D

Acq: 27 Aug 2019 23:21

Instrument :

MSVOA_W

ClientSampleId :

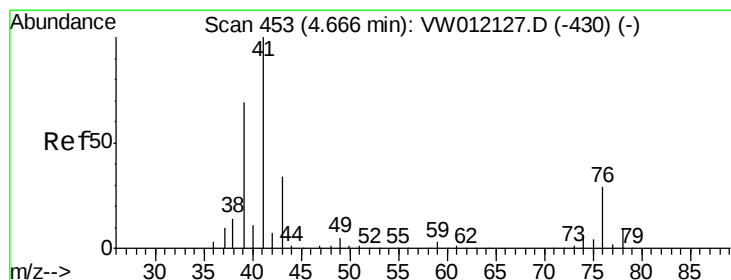
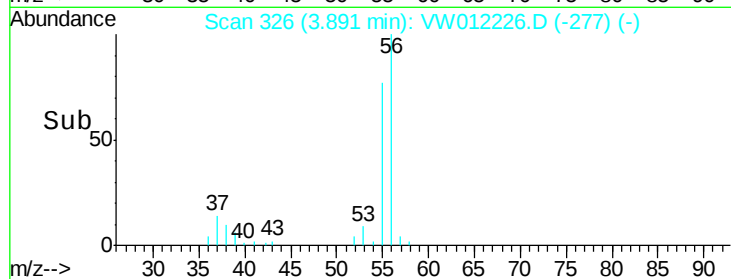
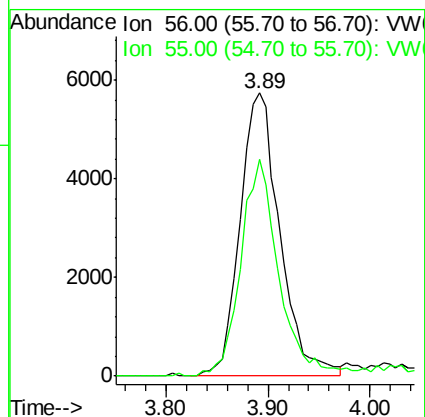
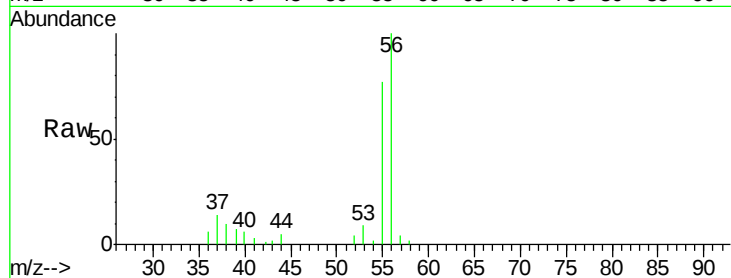
VW0827SBSD02

Tot Ion: 56 Resp: 15566

Ion Ratio Lower Upper

56 100

55 73.2 55.8 83.8



#14

Allyl chloride

Concen: 20.447 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012226.D

Acq: 27 Aug 2019 23:21

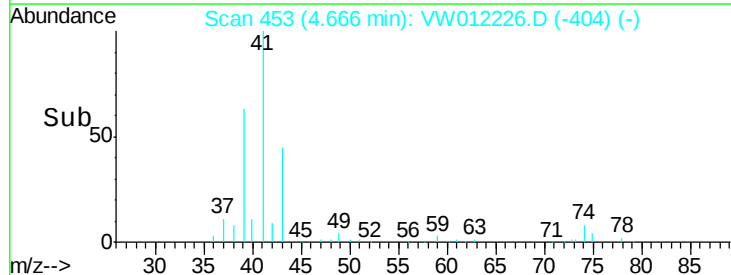
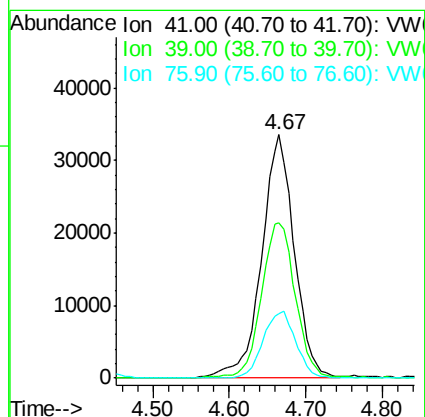
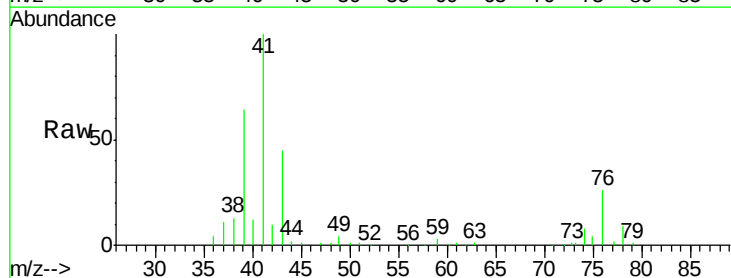
Tgt Ion: 41 Resp: 99845

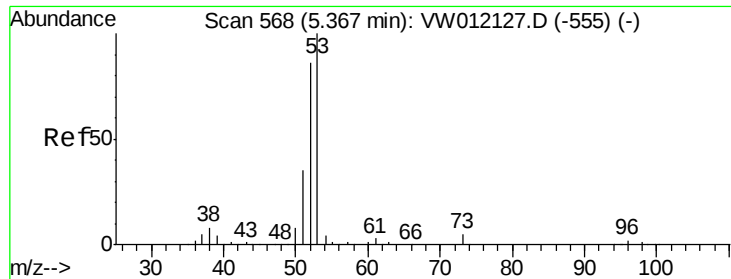
Ion Ratio Lower Upper

41 100

39 66.2 53.4 80.2

76 27.3 22.1 33.1





#15

Acrylonitrile

Concen: 116.356 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012226.D

Acq: 27 Aug 2019 23:21

Instrument :

MSVOA_W

ClientSampleId :

VW0827SBS02

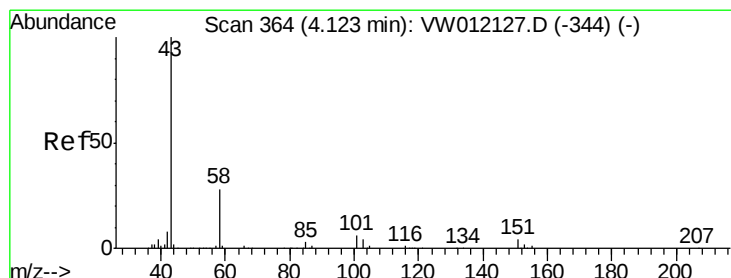
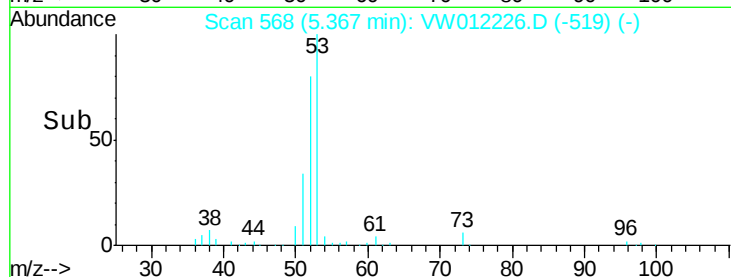
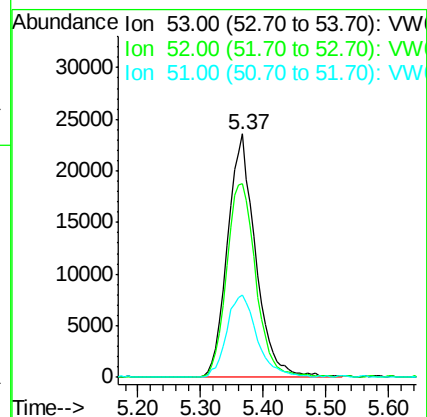
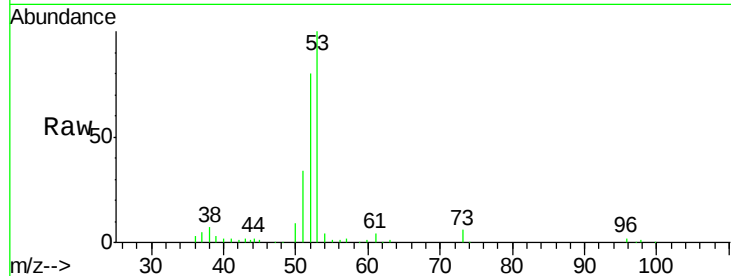
Tot Ion: 53 Resp: 73085

Ion Ratio Lower Upper

53 100

52 83.2 66.7 100.1

51 36.7 30.1 45.1



#16

Acetone

Concen: 93.946 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW012226.D

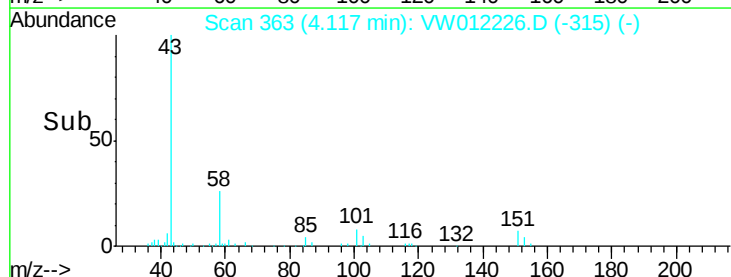
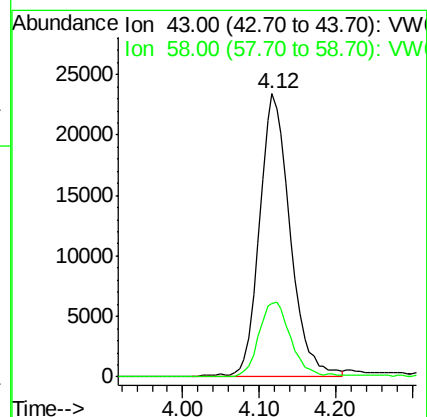
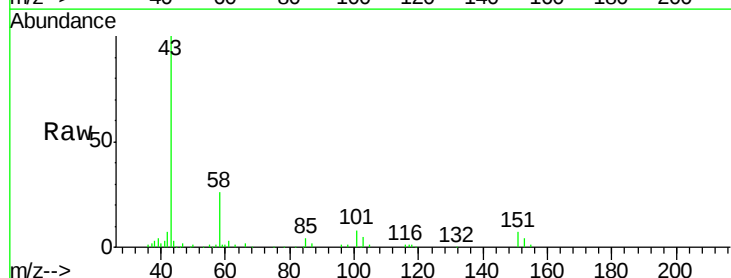
Acq: 27 Aug 2019 23:21

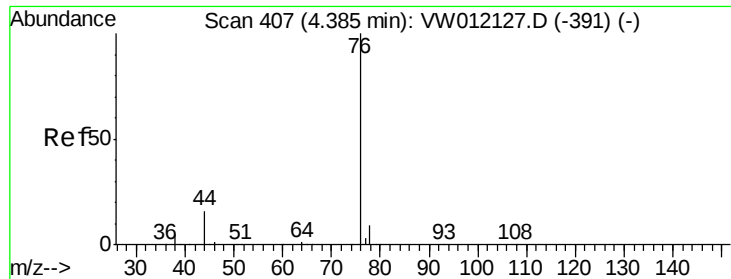
Tgt Ion: 43 Resp: 65007

Ion Ratio Lower Upper

43 100

58 26.2 22.4 33.6

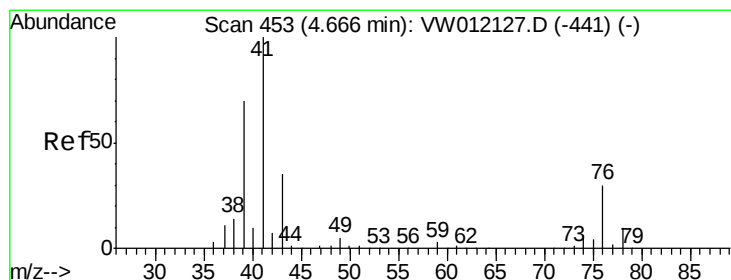
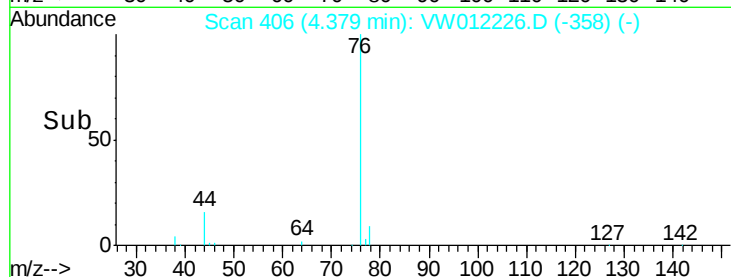
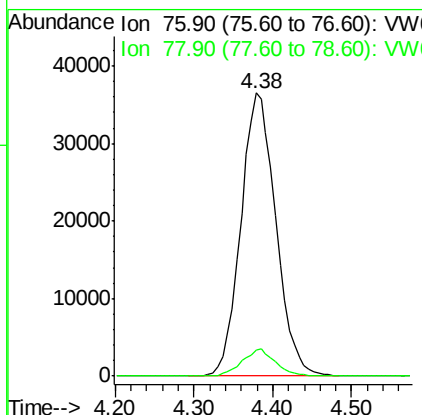
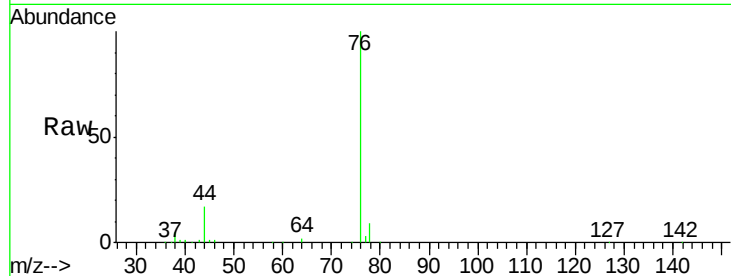




#17
Carbon Disulfide
Concen: 16.292 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW012226.D
Acq: 27 Aug 2019 23:21

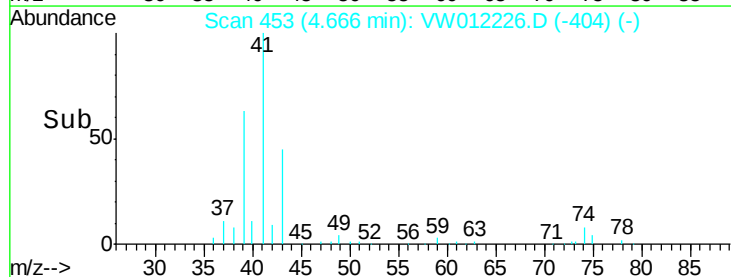
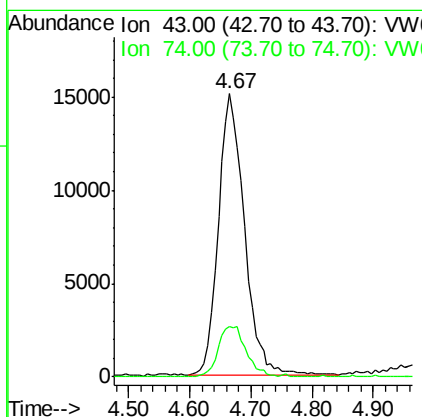
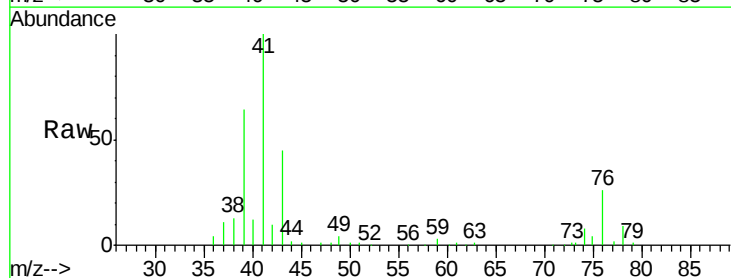
Instrument :
MSVOA_W
ClientSampleId :
VW0827SBSD02

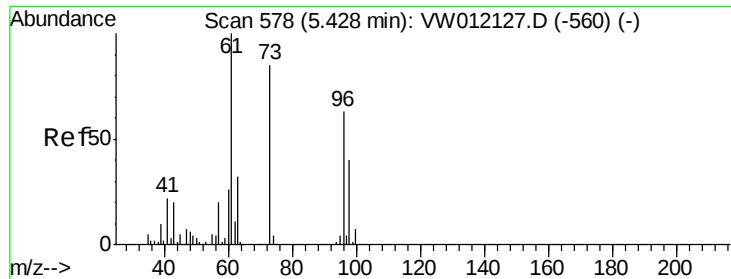
Tot Ion: 76 Resp: 112460
Ion Ratio Lower Upper
76 100
78 9.4 7.3 10.9



#18
Methyl Acetate
Concen: 26.133 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW012226.D
Acq: 27 Aug 2019 23:21

Tgt Ion: 43 Resp: 44788
Ion Ratio Lower Upper
43 100
74 19.4 15.7 23.5

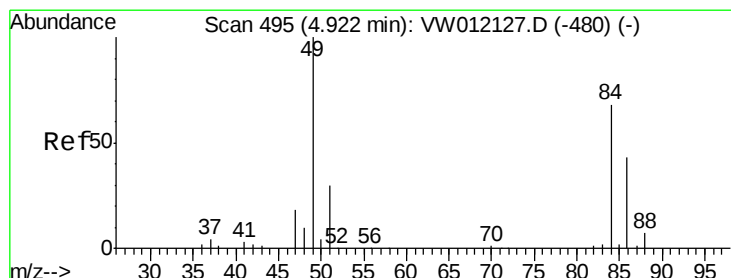
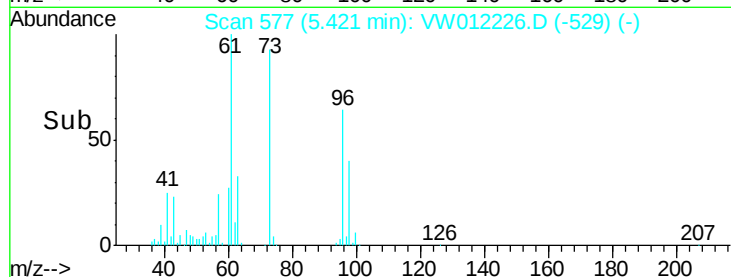
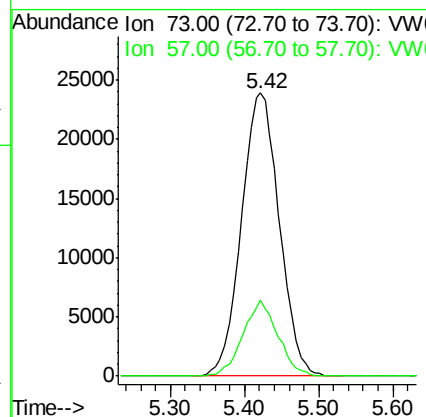
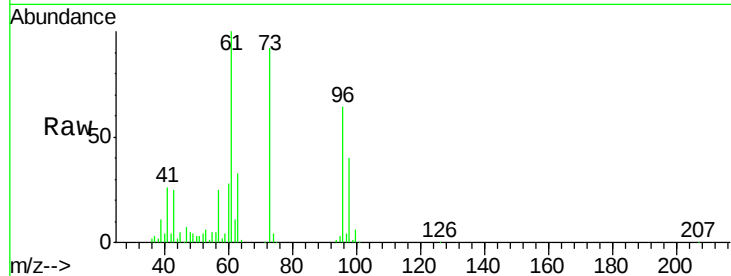




#19
Methvl tert-butvl Ether
Concen: 23.053 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012226.D
Acq: 27 Aug 2019 23:21

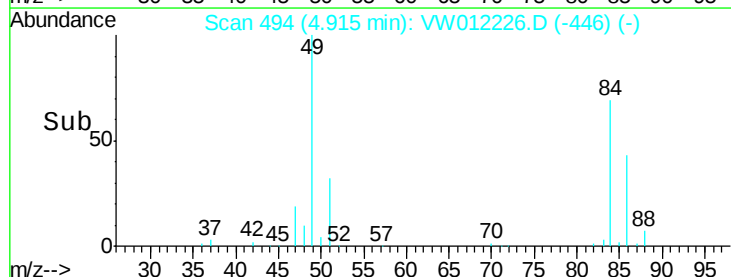
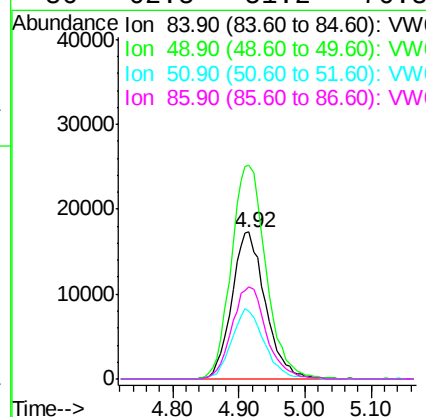
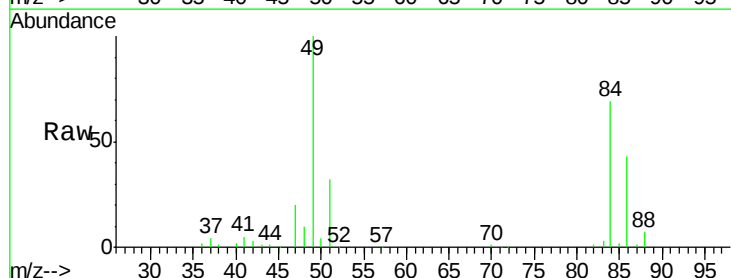
Instrument :
MSVOA_W
ClientSampleId :
VW0827SBS02

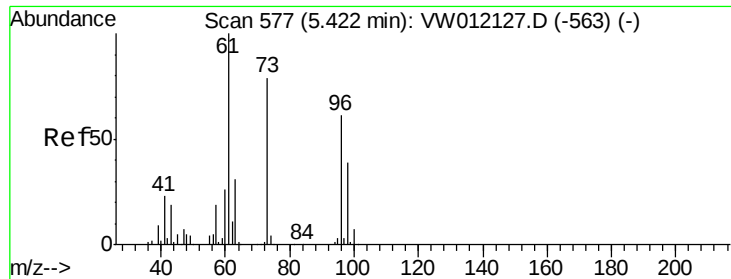
Tot Ion: 73 Resp: 85150
Ion Ratio Lower Upper
73 100
57 26.7 18.9 28.3



#20
Methylene Chloride
Concen: 23.317 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012226.D
Acq: 27 Aug 2019 23:21

Tgt Ion: 84 Resp: 60994
Ion Ratio Lower Upper
84 100
49 145.6 117.8 176.8
51 46.6 35.6 53.4
86 62.5 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 19.646 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW012226.D

Acq: 27 Aug 2019 23:21

Instrument :

MSVOA_W

ClientSampleId :

VW0827SBSD02

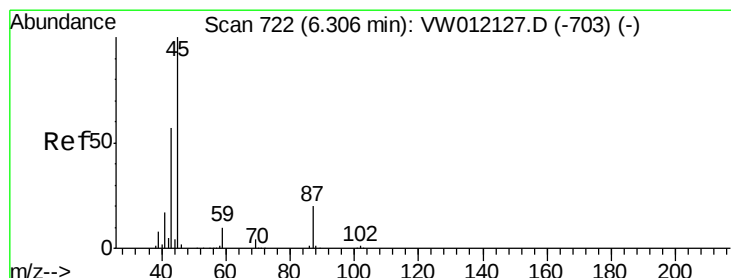
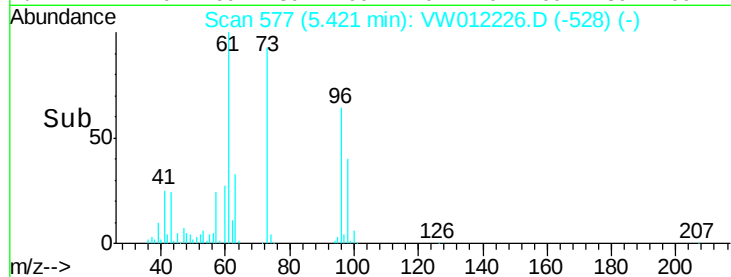
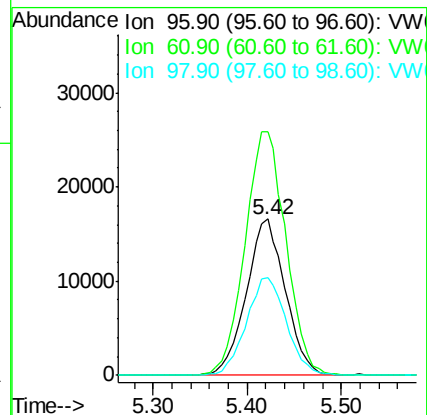
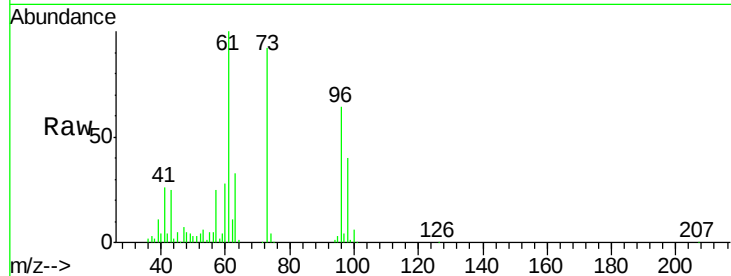
Tot Ion: 96 Resp: 48119

Ion Ratio Lower Upper

96 100

61 155.7 131.4 197.0

98 62.8 51.4 77.0



#22

Diisopropyl ether

Concen: 22.243 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW012226.D

Acq: 27 Aug 2019 23:21

Tgt Ion: 45 Resp: 201325

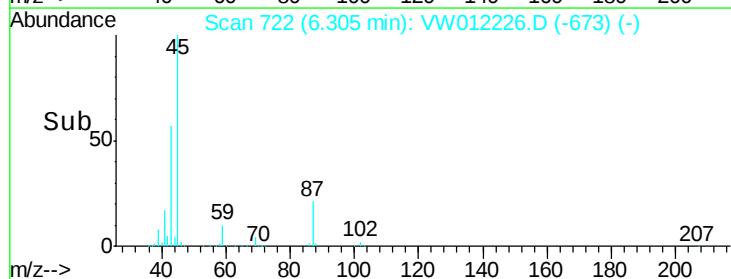
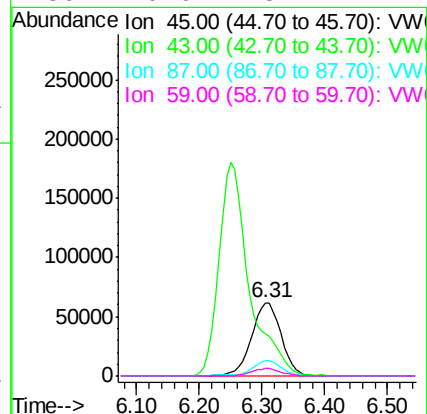
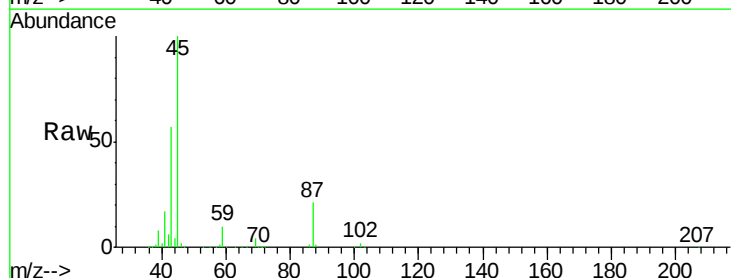
Ion Ratio Lower Upper

45 100

43 56.8 45.5 68.3

87 20.5 16.1 24.1

59 9.9 8.2 12.2





#23

Vinyl Acetate

Concen: 107.593 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012226.D

Acq: 27 Aug 2019 23:21

Instrument :

MSVOA_W

ClientSampleId :

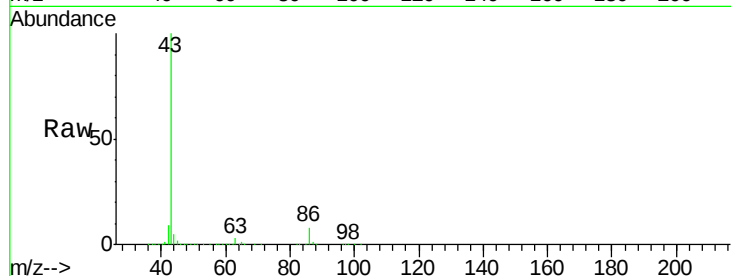
VW0827SBS02

Tot Ion: 43 Resp: 599320

Ion Ratio Lower Upper

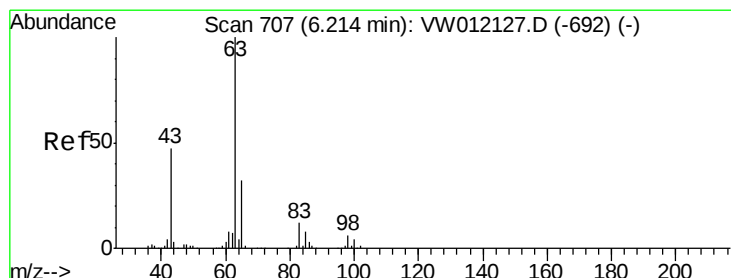
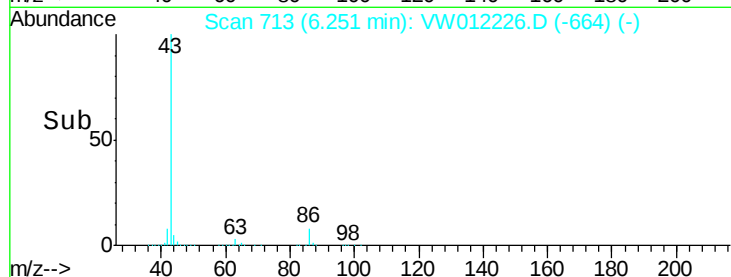
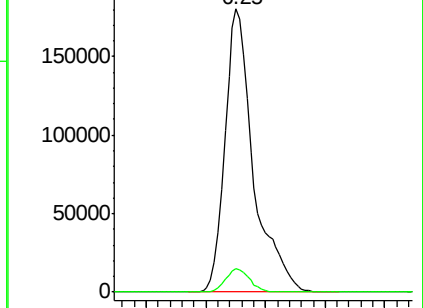
43 100

86 8.4 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 20.981 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW012226.D

Acq: 27 Aug 2019 23:21

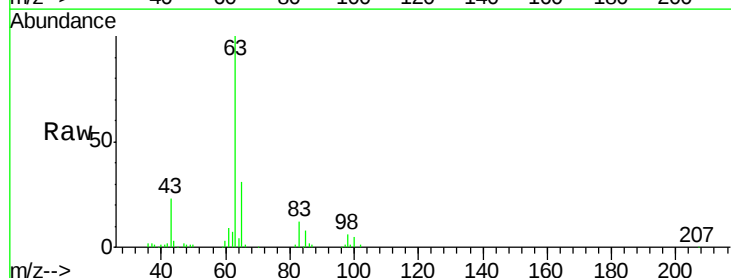
Tgt Ion: 63 Resp: 103398

Ion Ratio Lower Upper

63 100

98 5.6 3.0 9.2

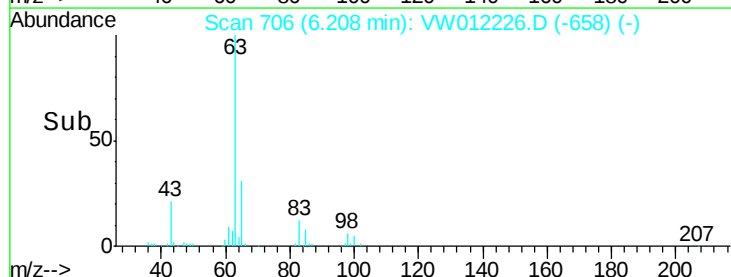
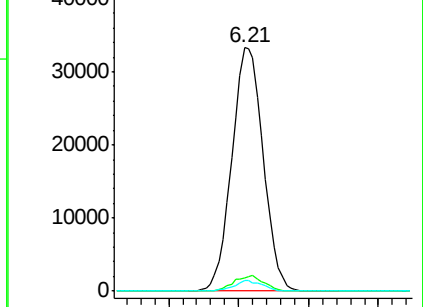
100 4.5 2.0 6.0



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





#25

2-Butanone

Concen: 111.775 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW012226.D

Acq: 27 Aug 2019 23:21

Instrument :

MSVOA_W

ClientSampleId :

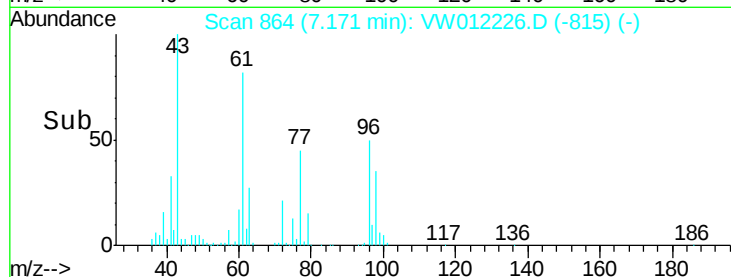
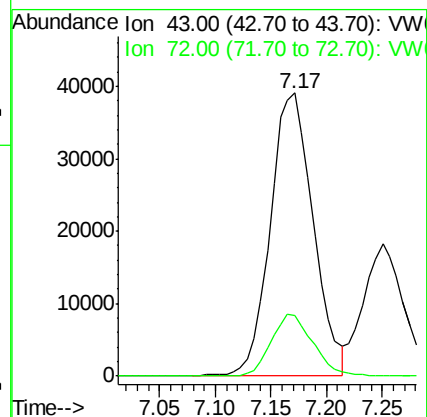
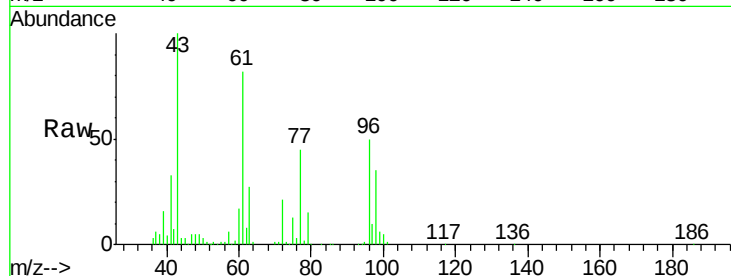
VW0827SBS02

Tot Ion: 43 Resp: 105101

Ion Ratio Lower Upper

43 100

72 21.4 16.6 24.8



#26

2,2-Dichloropropane

Concen: 20.664 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012226.D

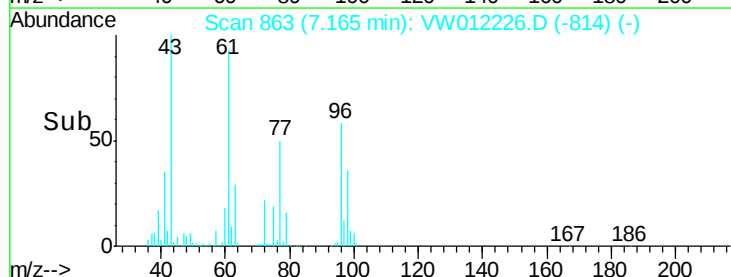
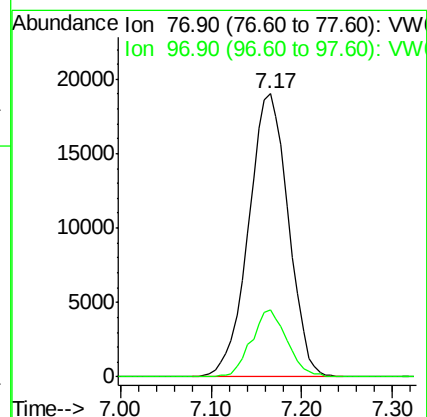
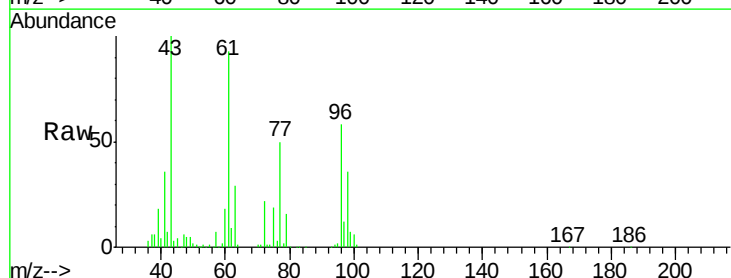
Acq: 27 Aug 2019 23:21

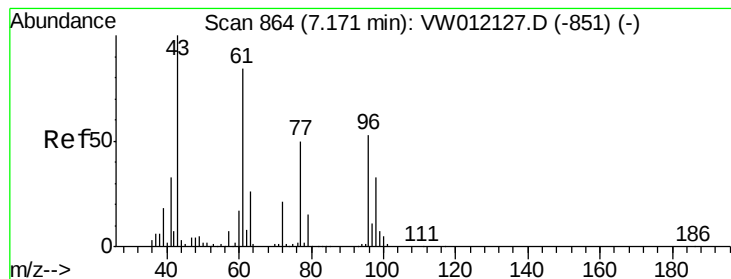
Tgt Ion: 77 Resp: 57640

Ion Ratio Lower Upper

77 100

97 21.3 11.1 33.1



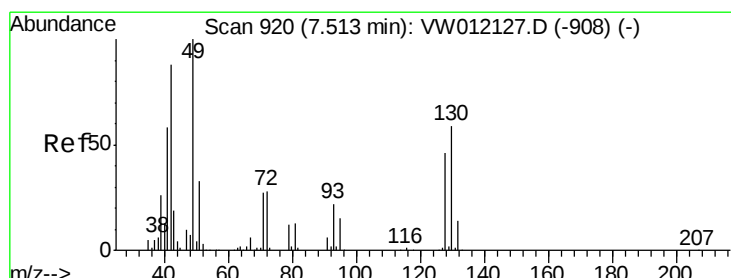
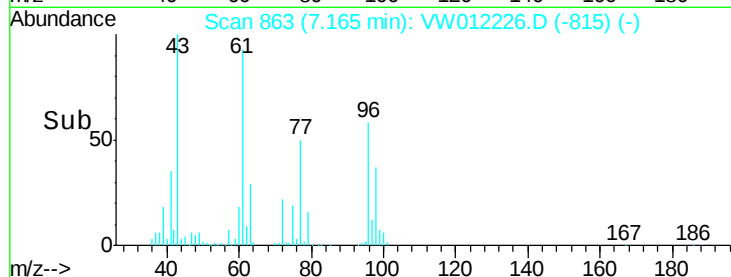
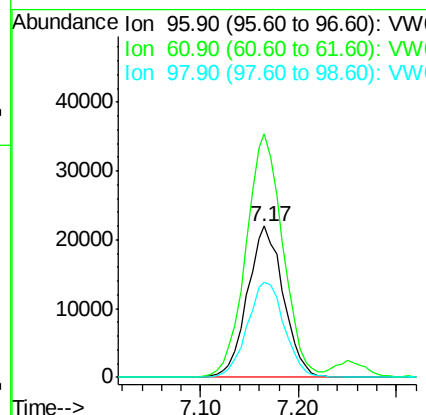
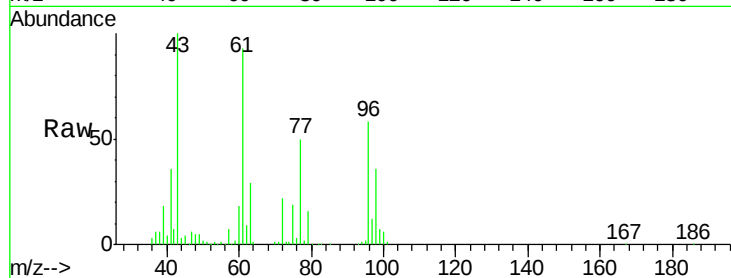


#27

cis-1,2-Dichloroethene
Concen: 21.368 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012226.D
Acq: 27 Aug 2019 23:21

Instrument :
MSVOA_W
ClientSampleId :
VW0827SBSD02

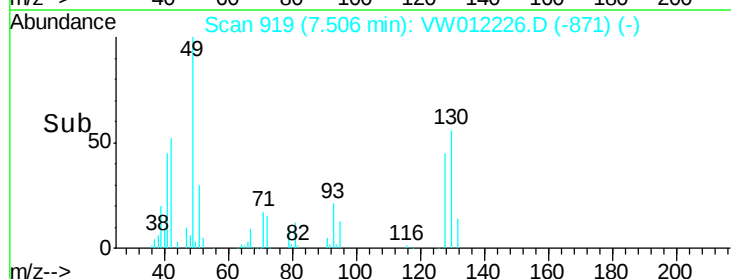
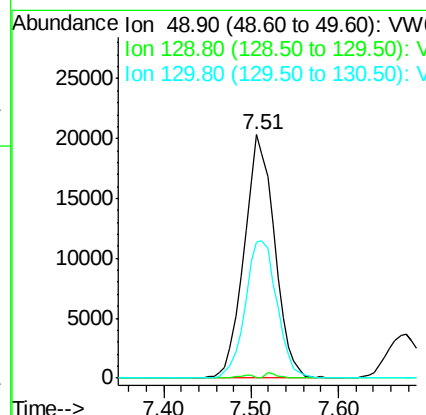
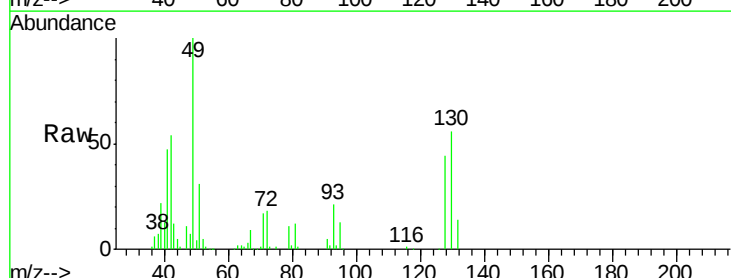
Tot Ion: 96 Resp: 55918
Ion Ratio Lower Upper
96 100
61 164.5 0.0 326.6
98 64.8 0.0 127.4

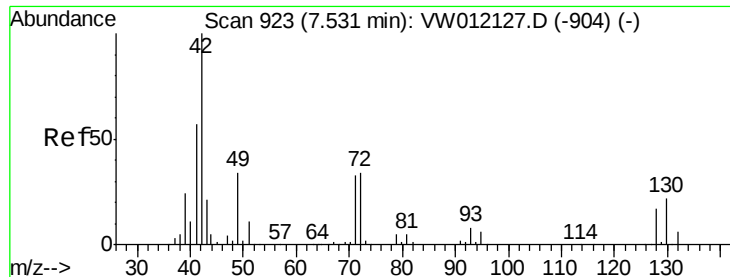


#28

Bromochloromethane
Concen: 22.817 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW012226.D
Acq: 27 Aug 2019 23:21

Tgt Ion: 49 Resp: 49011
Ion Ratio Lower Upper
49 100
129 0.8 0.0 1.4
130 58.6 45.5 68.3

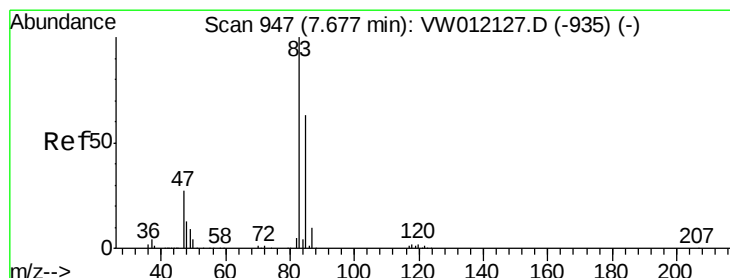
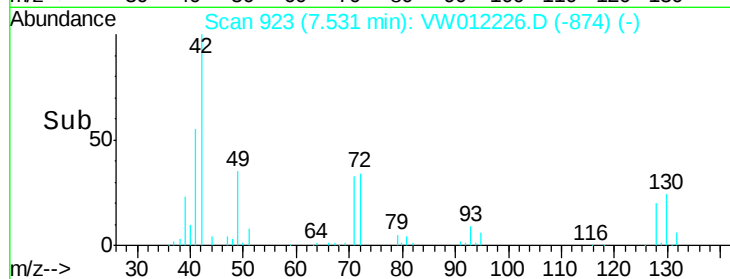
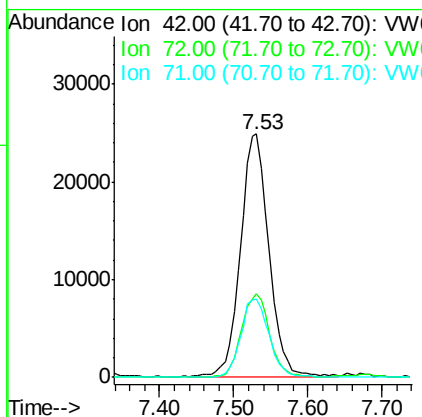
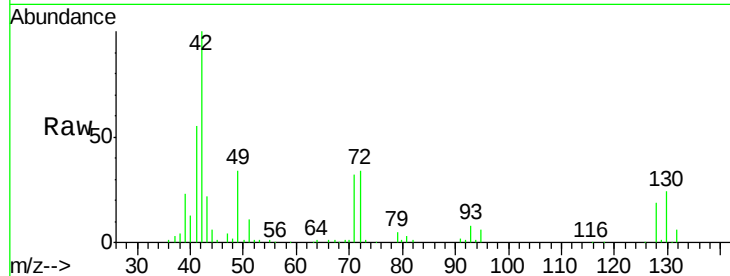




#29
Tetrahydrofuran
Concen: 117.750 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012226.D
Acq: 27 Aug 2019 23:21

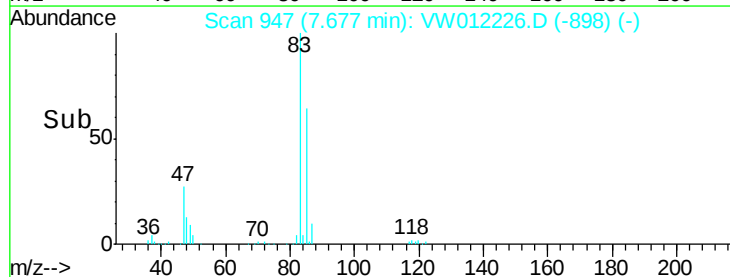
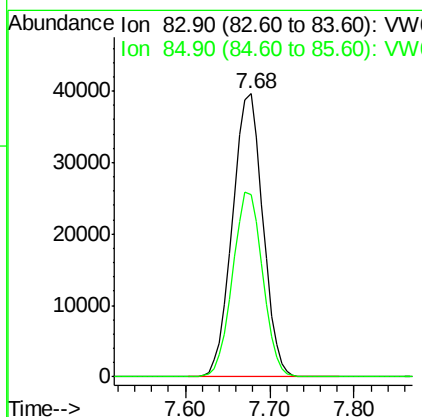
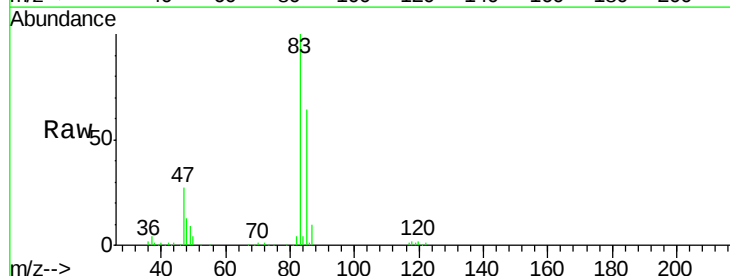
Instrument :
MSVOA_W
ClientSampleId :
VW0827SBSD02

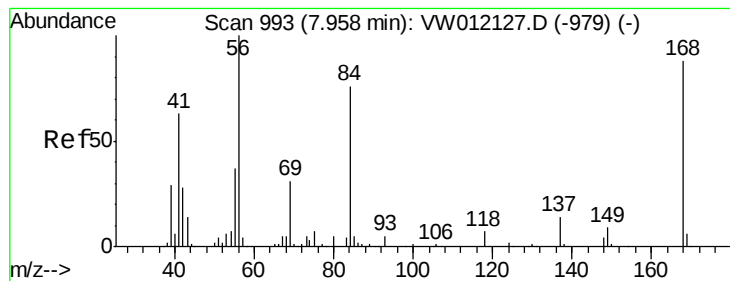
Tot Ion	Ratio	Lower	Upper
42	100		
72	34.3	27.3	40.9
71	32.4	25.5	38.3



#30
Chloroform
Concen: 21.417 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW012226.D
Acq: 27 Aug 2019 23:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	50.6	76.0





#31

Cyclohexane

Concen: 18.346 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012226.D

Acq: 27 Aug 2019 23:21

Instrument :

MSVOA_W

ClientSampleId :

VW0827SBS02

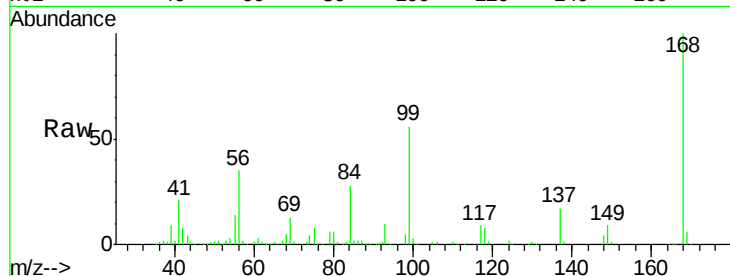
Tot Ion: 56 Resp: 89450

Ion Ratio Lower Upper

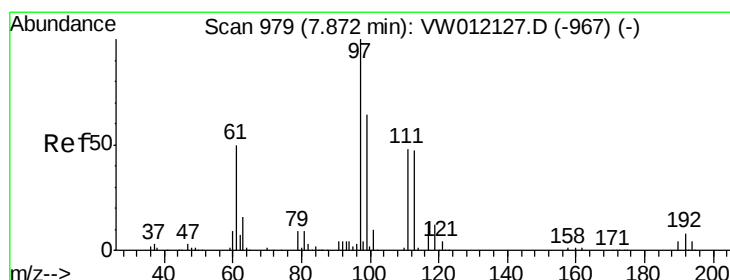
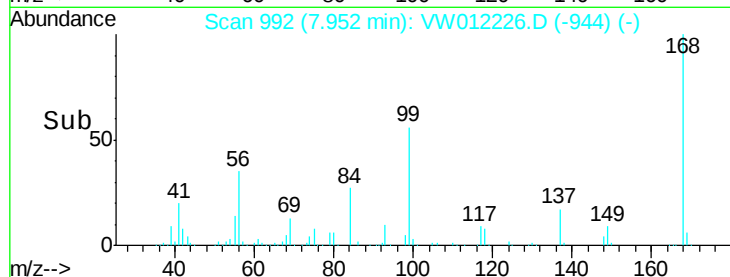
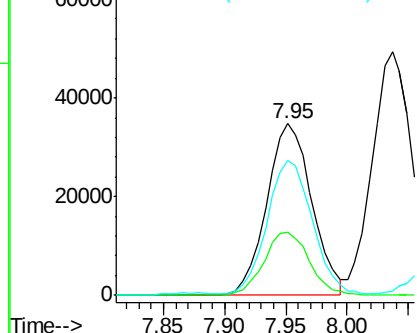
56 100

69 37.0 24.9 37.3

84 77.4 60.6 90.8



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



#32

1,1,1-Trichloroethane

Concen: 20.393 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW012226.D

Acq: 27 Aug 2019 23:21

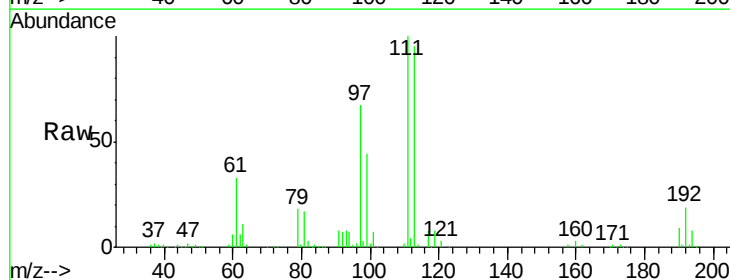
Tgt Ion: 97 Resp: 72737

Ion Ratio Lower Upper

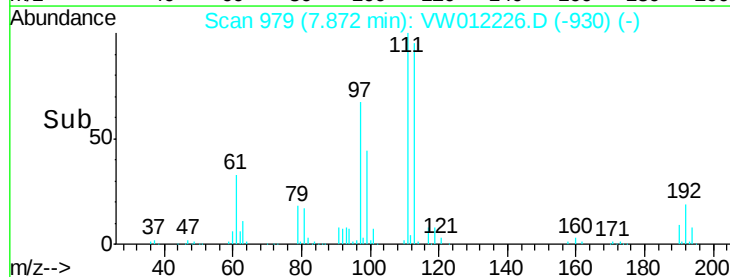
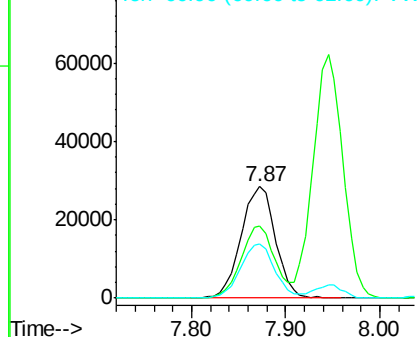
97 100

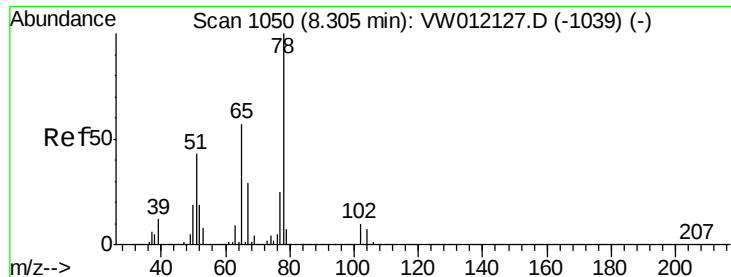
99 62.8 51.4 77.0

61 48.8 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

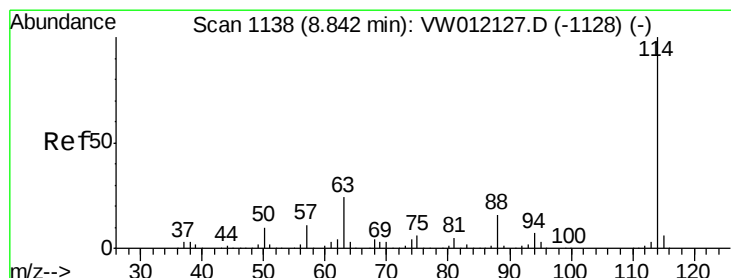
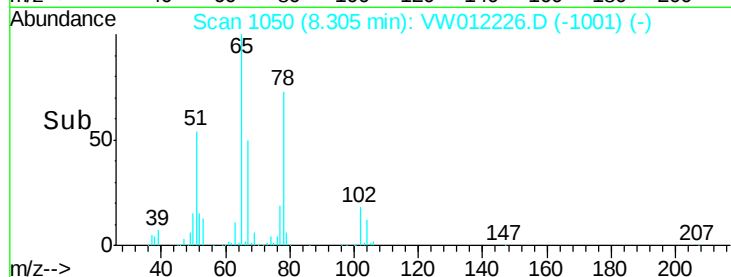
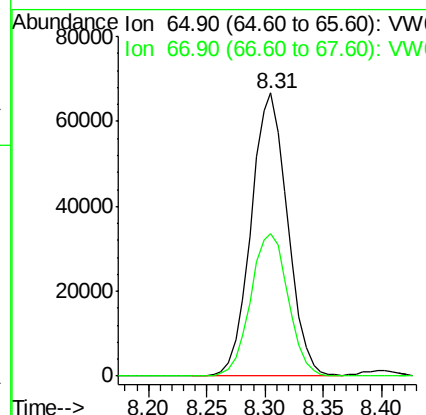
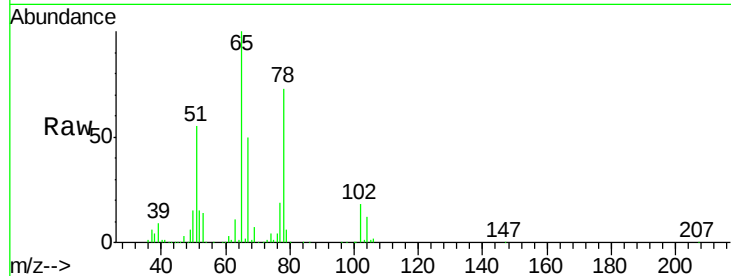




#33
 1,2-Dichloroethane-d4
 Concen: 53.739 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012226.D
 Acq: 27 Aug 2019 23:21

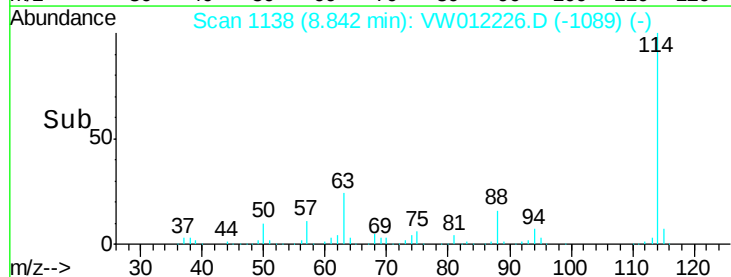
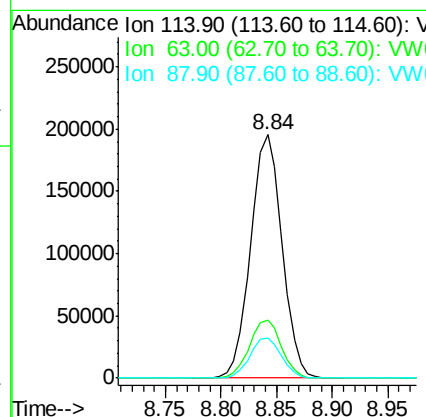
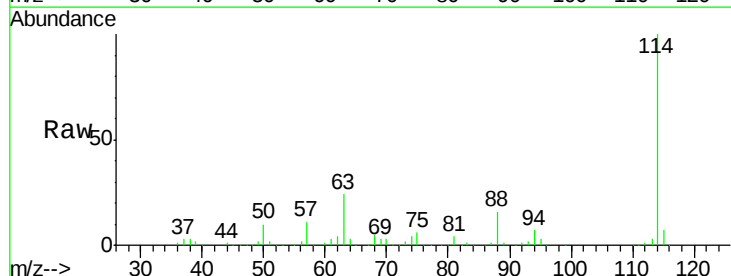
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0827SBSD02

Tot Ion: 65 Resp: 145470
 Ion Ratio Lower Upper
 65 100
 67 52.1 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: VW012226.D
 Acq: 27 Aug 2019 23:21

Tgt Ion: 114 Resp: 384738
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 48.6
 88 16.3 0.0 32.2

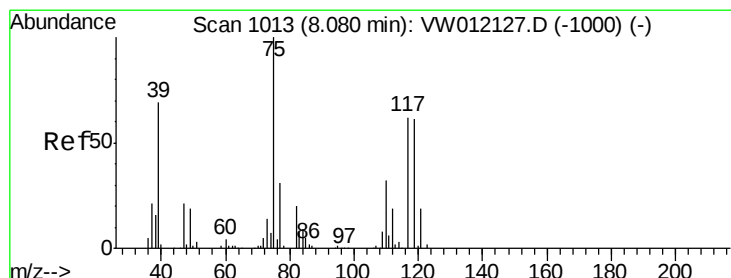
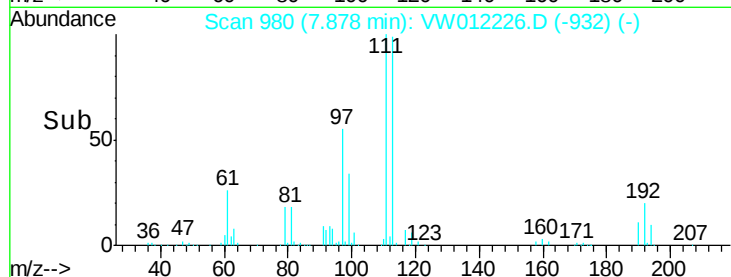
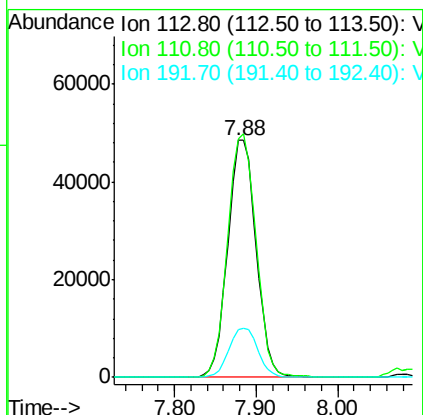
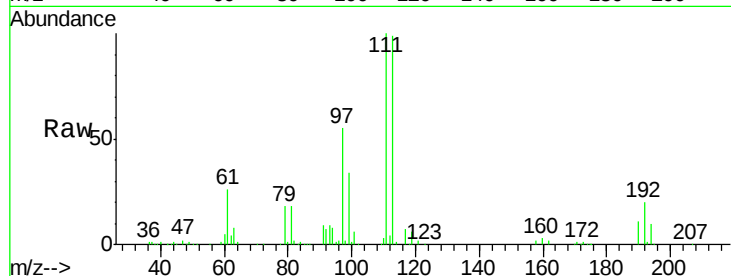




#35
Dibromofluoromethane
Concen: 50.560 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.01 min
Lab File: VW012226.D
Acq: 27 Aug 2019 23:21

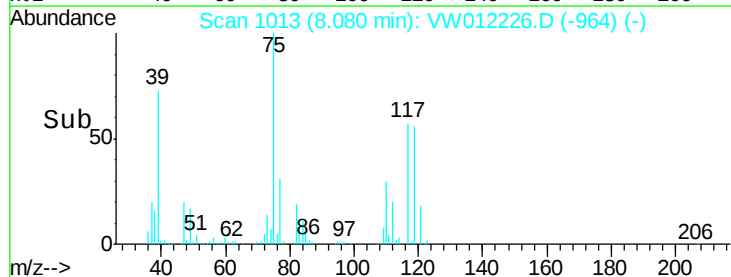
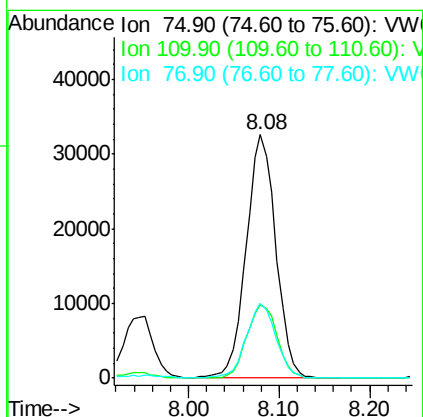
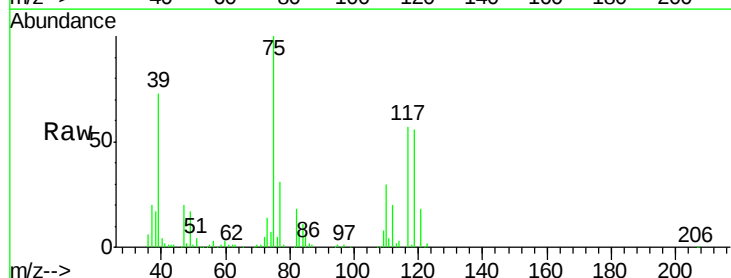
Instrument :
MSVOA_W
ClientSampleId :
VW0827SBSD02

Tot Ion:113 Resp: 116112
Ion Ratio Lower Upper
113 100
111 102.9 82.7 124.1
192 21.0 16.2 24.2



#36
1,1-Dichloropropene
Concen: 18.540 ug/l
RT: 8.08 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VW012226.D
Acq: 27 Aug 2019 23:21

Tgt Ion: 75 Resp: 73713
Ion Ratio Lower Upper
75 100
110 30.9 15.6 46.8
77 30.8 24.6 36.8

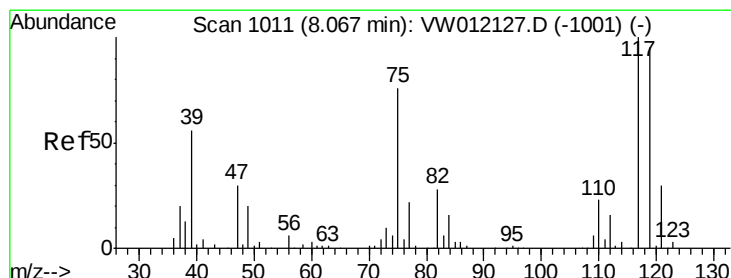
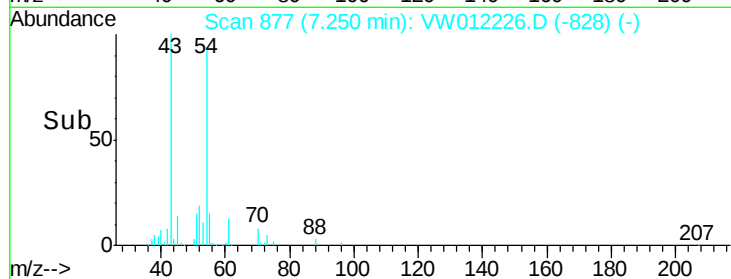
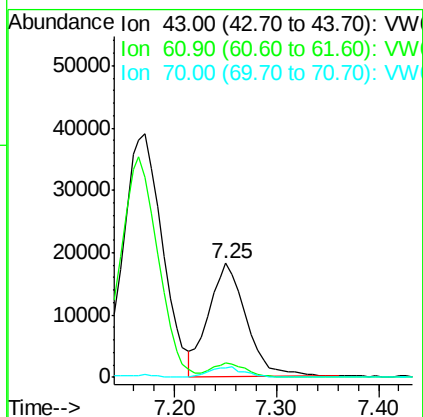
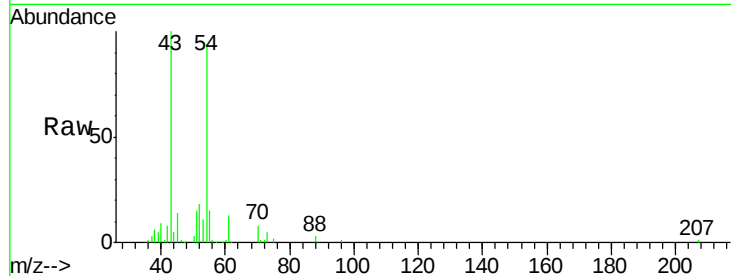




#37
Ethyl Acetate
Concen: 21.410 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012226.D
Acq: 27 Aug 2019 23:21

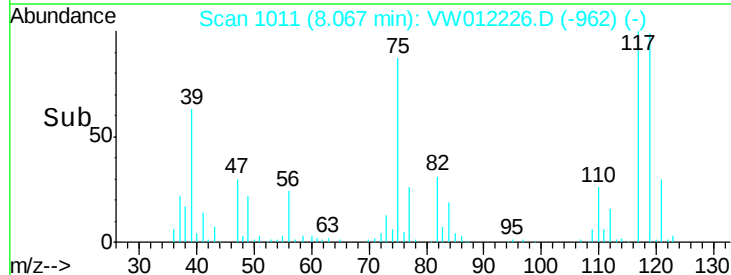
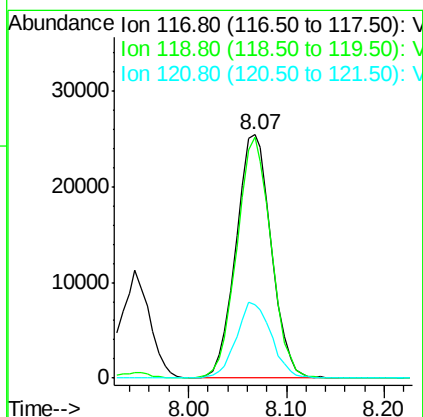
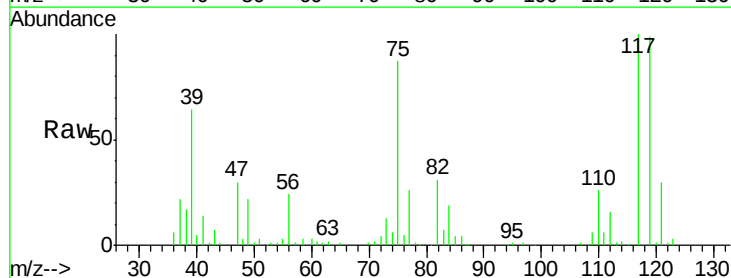
Instrument :
MSVOA_W
ClientSampleId :
VW0827SBS02

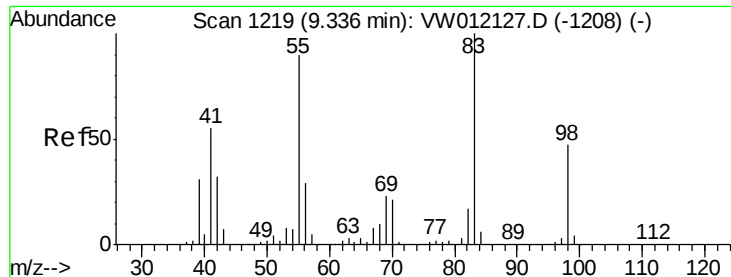
Tot Ion: 43 Resp: 46645
Ion Ratio Lower Upper
43 100
61 12.4 9.2 13.8
70 8.8 6.9 10.3



#38
Carbon Tetrachloride
Concen: 18.486 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012226.D
Acq: 27 Aug 2019 23:21

Tgt Ion: 117 Resp: 63613
Ion Ratio Lower Upper
117 100
119 99.1 76.2 114.2
121 30.4 23.8 35.8

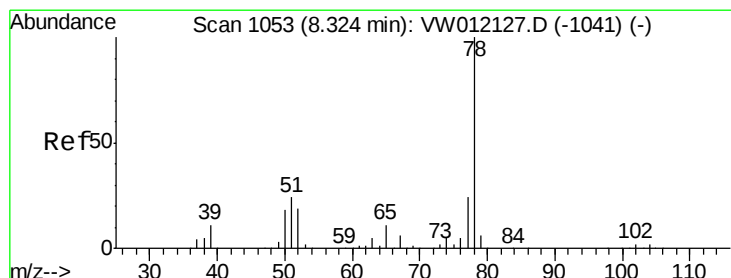
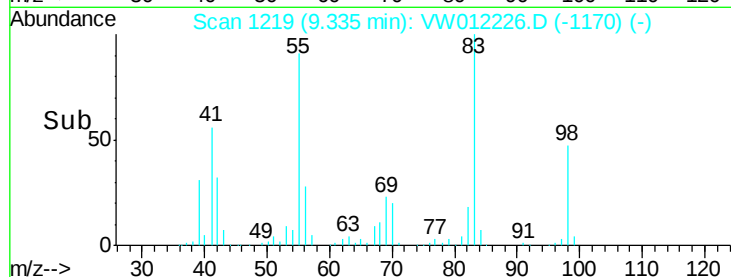
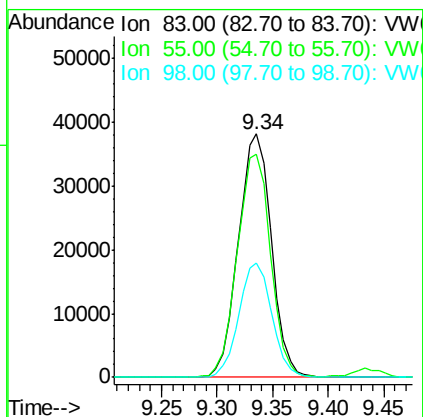
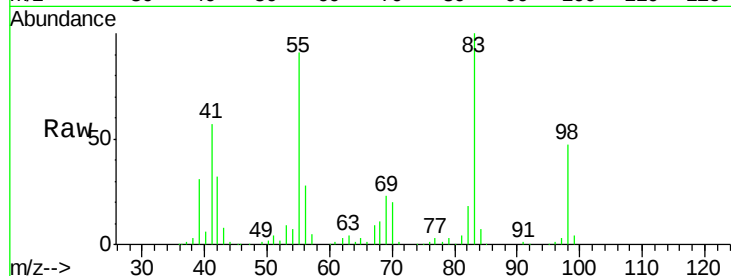




#39
Methvlcvclohexane
Concen: 17.650 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012226.D
Acq: 27 Aug 2019 23:21

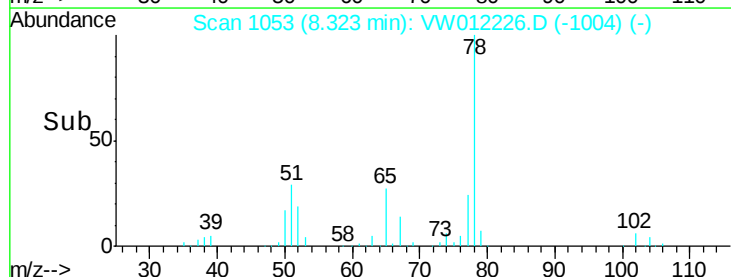
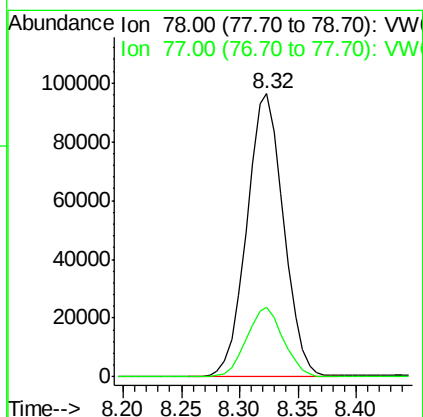
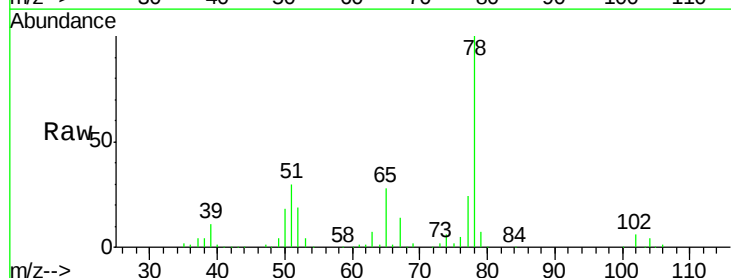
Instrument :
MSVOA_W
ClientSampleId :
VW0827SBSD02

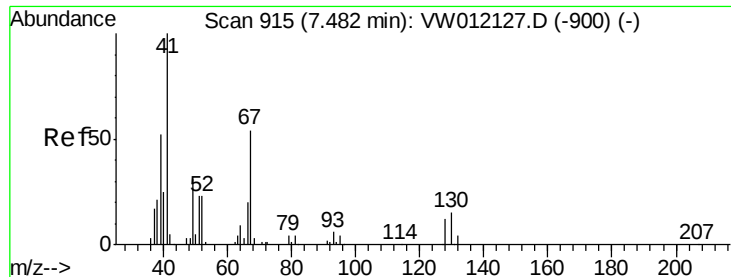
Tot Ion: 83 Resp: 78834
Ion Ratio Lower Upper
83 100
55 91.4 71.8 107.8
98 47.0 37.8 56.8



#40
Benzene
Concen: 19.528 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012226.D
Acq: 27 Aug 2019 23:21

Tgt Ion: 78 Resp: 212004
Ion Ratio Lower Upper
78 100
77 24.4 19.5 29.3

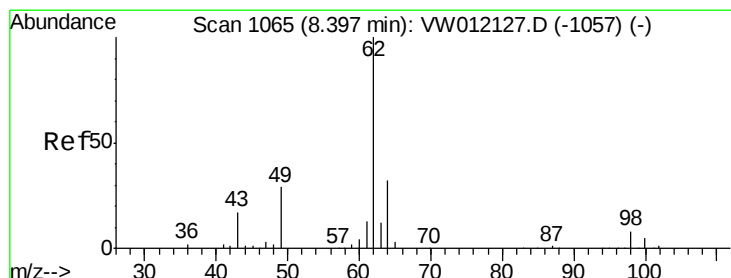
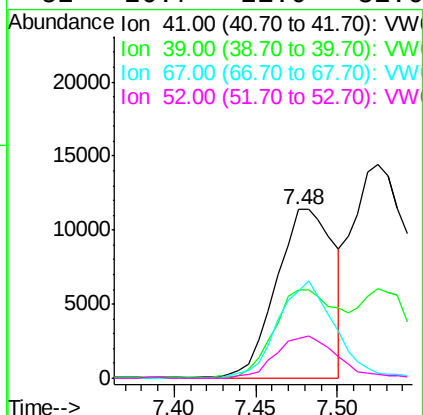
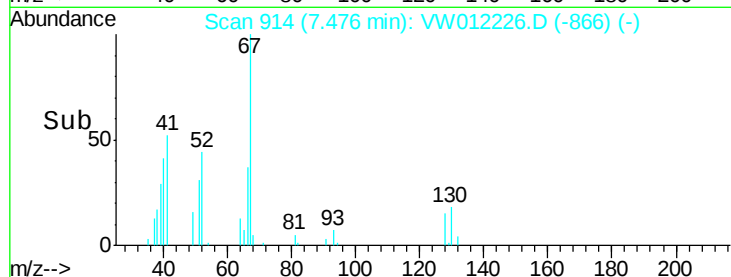
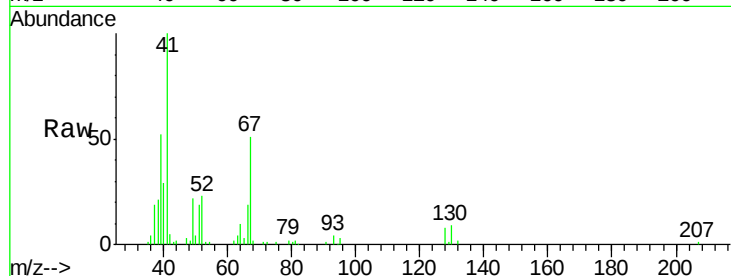




#41
Methacrylonitrile
Concen: 21.975 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW012226.D
Acq: 27 Aug 2019 23:21

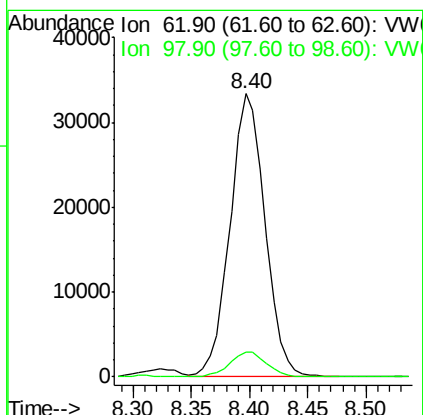
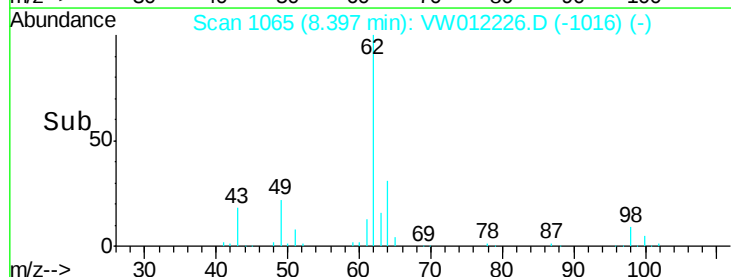
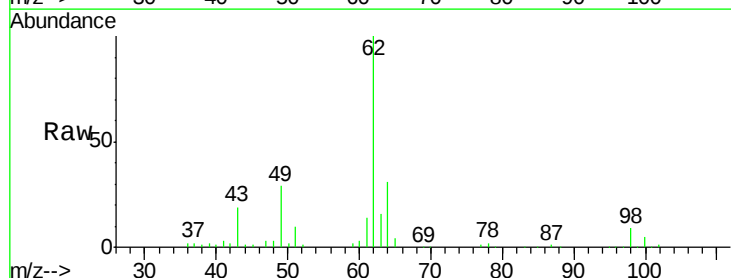
Instrument :
MSVOA_W
ClientSampleId :
VW0827SBS02

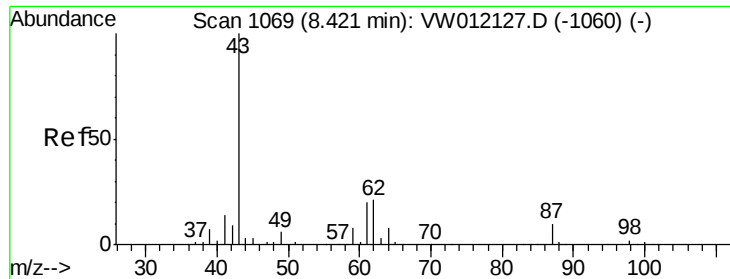
Tot Ion:	41	Resp:	28139
Ion	Ratio	Lower	Upper
41	100		
39	59.4	45.8	68.8
67	57.5	46.2	69.4
52	26.7	21.0	31.6



#42
1,2-Dichloroethane
Concen: 20.552 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012226.D
Acq: 27 Aug 2019 23:21

Tgt Ion:	62	Resp:	69926
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	16.6





#43

Isopropyl Acetate

Concen: 21.401 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012226.D

Acq: 27 Aug 2019 23:21

Instrument :

MSVOA_W

ClientSampled :

VW0827SBS02

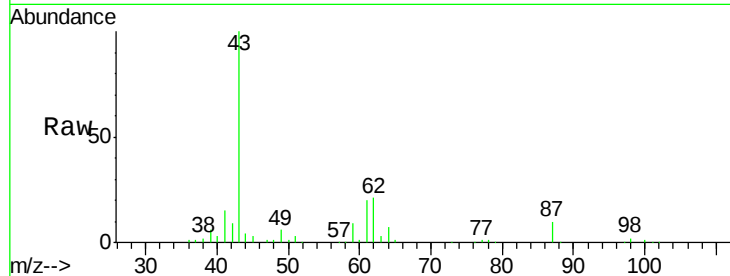
Tot Ion: 43 Resp: 86367

Ion Ratio Lower Upper

43 100

61 27.8 21.1 31.7

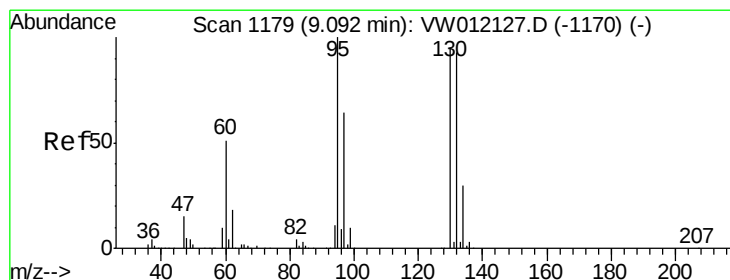
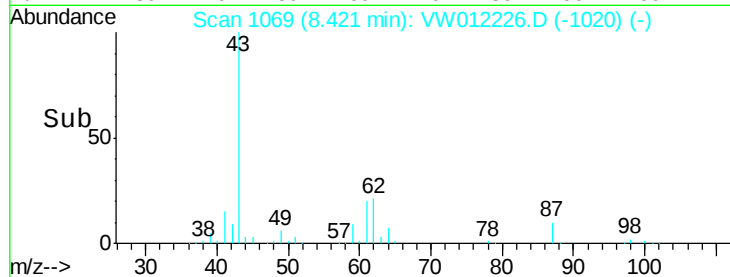
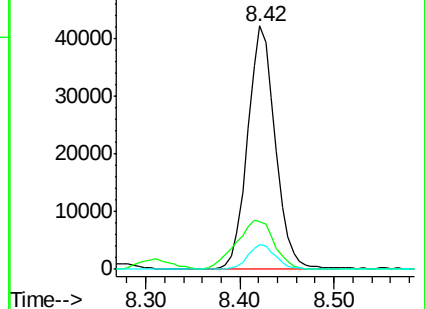
87 10.3 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 19.552 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW012226.D

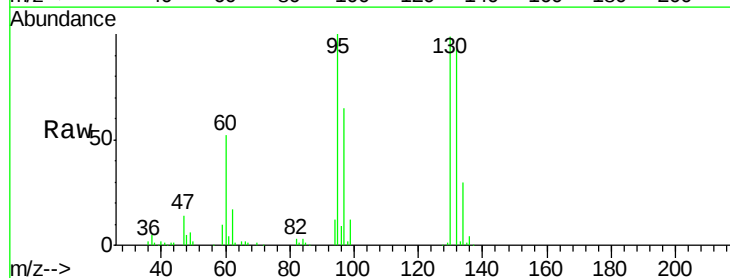
Acq: 27 Aug 2019 23:21

Tgt Ion: 130 Resp: 51600

Ion Ratio Lower Upper

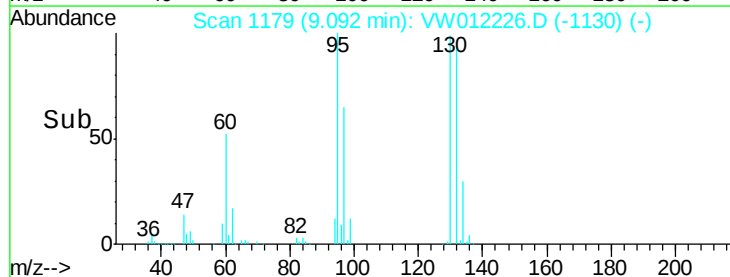
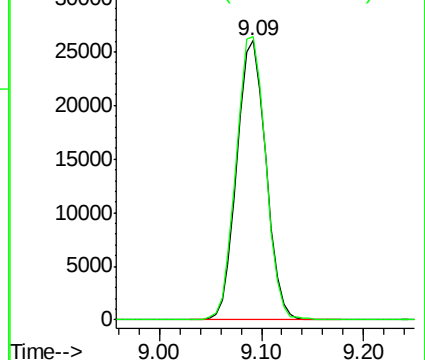
130 100

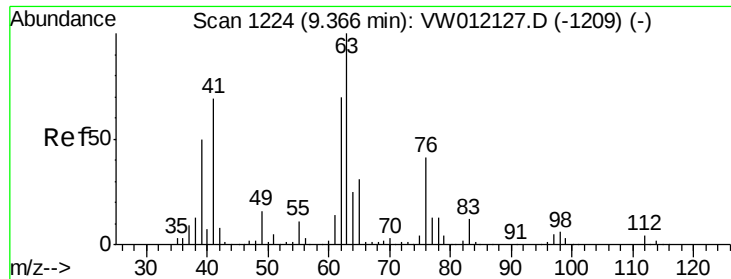
95 101.4 0.0 210.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 20.395 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW012226.D

Acq: 27 Aug 2019 23:21

Instrument :

MSVOA_W

ClientSampleId :

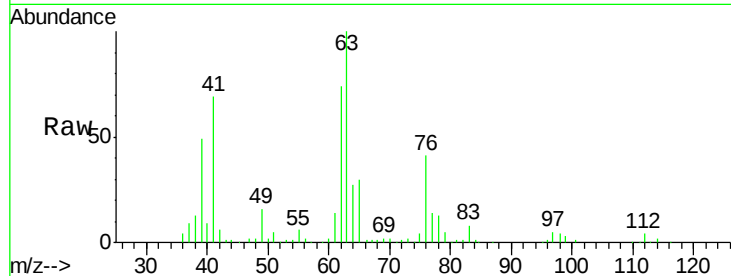
VW0827SBSD02

Tot Ion: 63 Resp: 59588

Ion Ratio Lower Upper

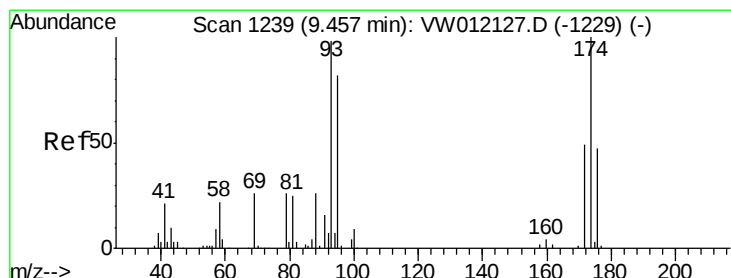
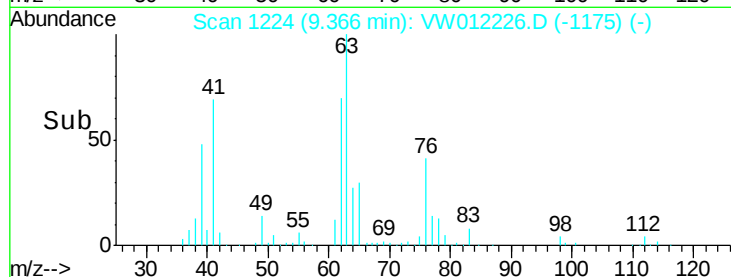
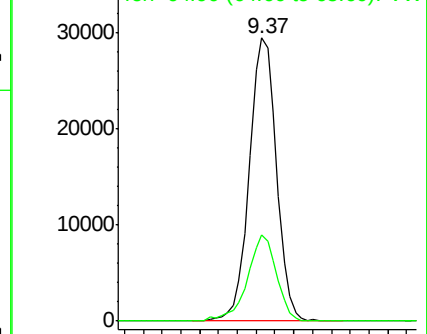
63 100

65 30.5 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 20.820 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW012226.D

Acq: 27 Aug 2019 23:21

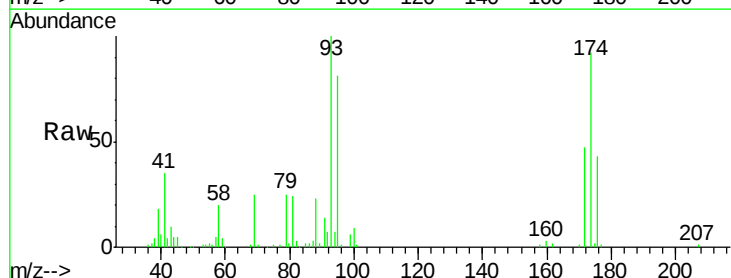
Tgt Ion: 93 Resp: 27066

Ion Ratio Lower Upper

93 100

95 82.9 67.2 100.8

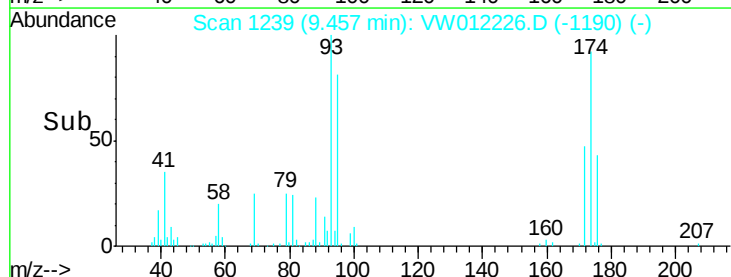
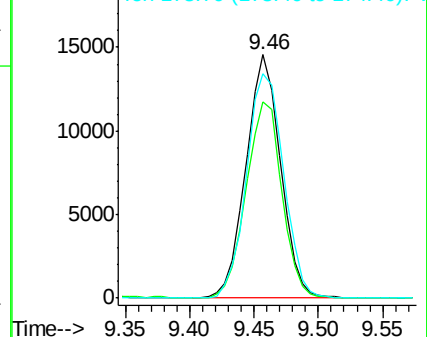
174 98.7 79.0 118.6



Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.217 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW012226.D

Acq: 27 Aug 2019 23:21

Instrument :

MSVOA_W

ClientSampleId :

VW0827SBSD02

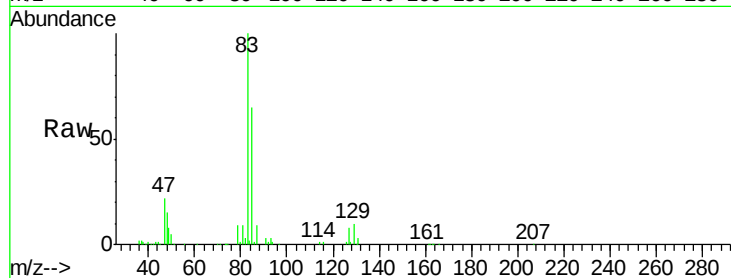
Tot Ion: 83 Resp: 69947

Ion Ratio Lower Upper

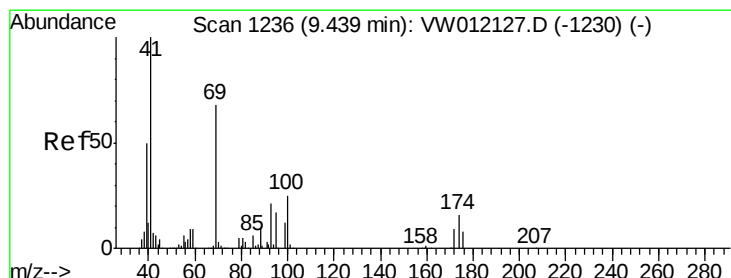
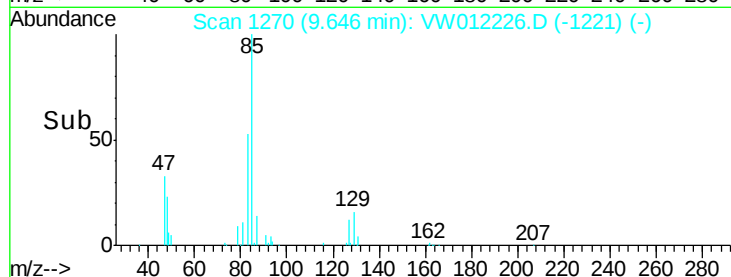
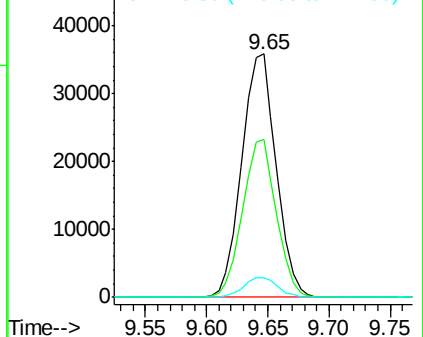
83 100

85 65.0 49.4 74.2

127 8.1 6.1 9.1



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 21.183 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW012226.D

Acq: 27 Aug 2019 23:21

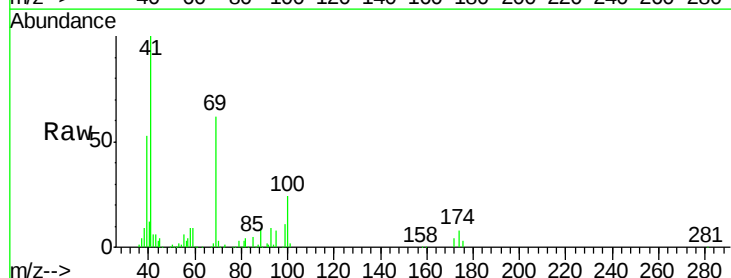
Tgt Ion: 41 Resp: 40688

Ion Ratio Lower Upper

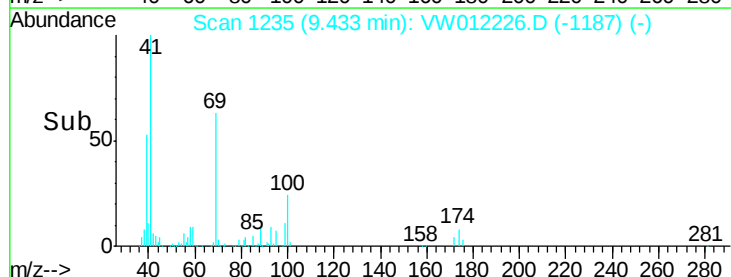
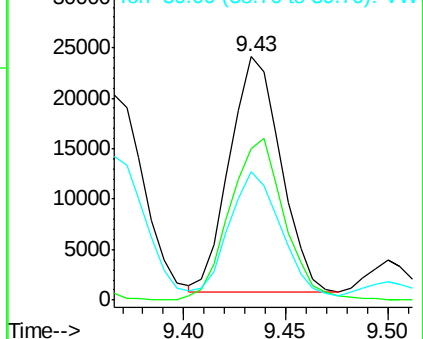
41 100

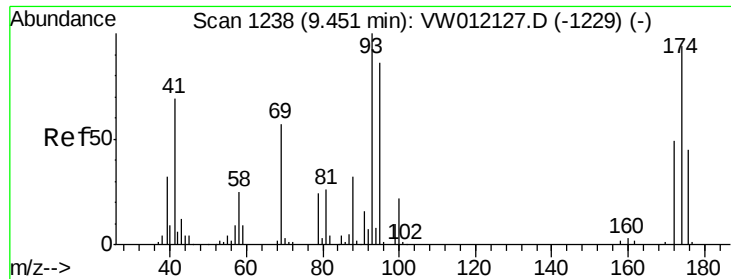
69 73.5 56.7 85.1

39 56.3 42.0 63.0



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





#49

1,4-Dioxane

Concen: 447.714 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.00 min

Lab File: VW012226.D

Acq: 27 Aug 2019 23:21

Instrument :

MSVOA_W

ClientSampleId :

VW0827SBSD02

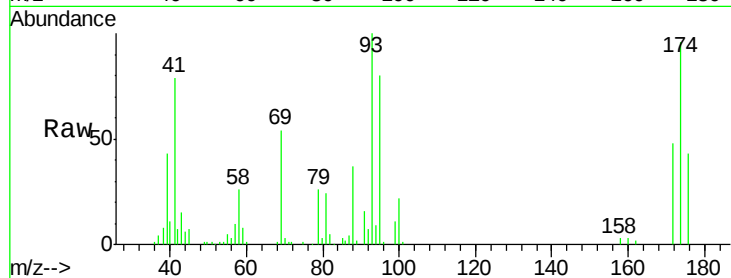
Tot Ion: 88 Resp: 8910

Ion Ratio Lower Upper

88 100

43 43.9 32.9 49.3

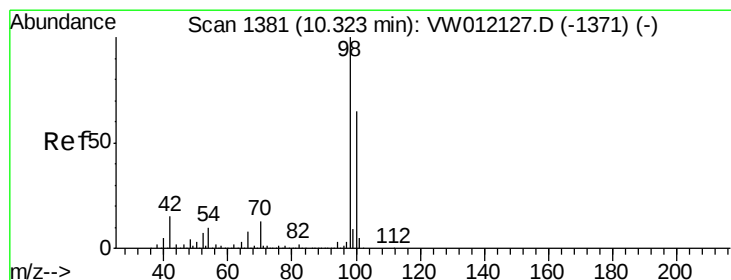
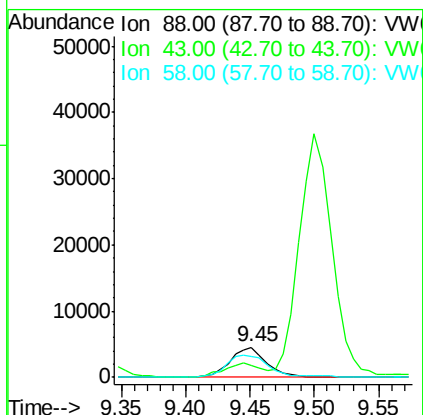
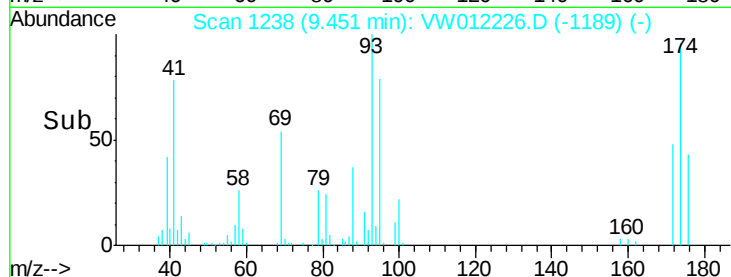
58 85.3 71.0 106.4



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: 50.200 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012226.D

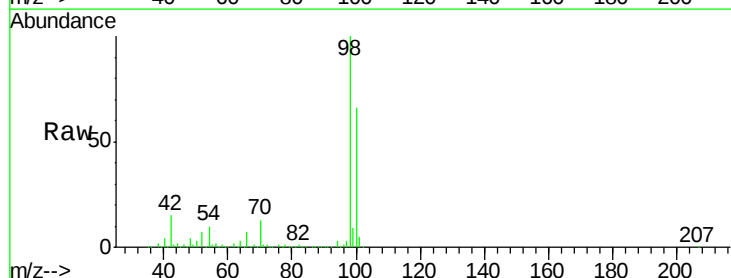
Acq: 27 Aug 2019 23:21

Tgt Ion: 98 Resp: 467447

Ion Ratio Lower Upper

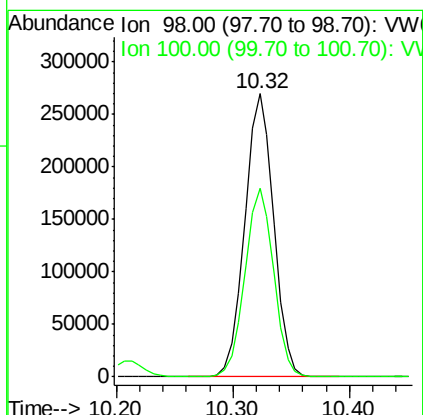
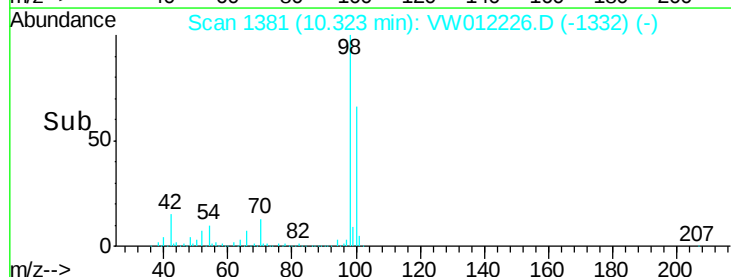
98 100

100 65.9 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: 111.501 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012226.D

Acq: 27 Aug 2019 23:21

Instrument :

MSVOA_W

ClientSampleId :

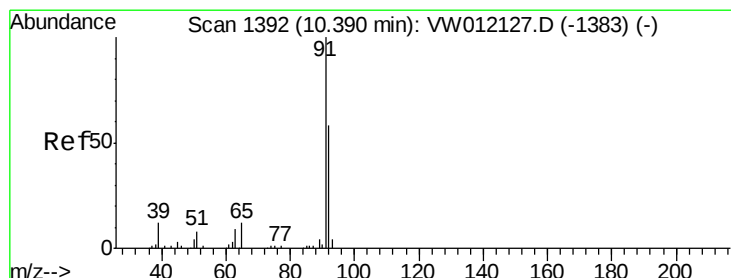
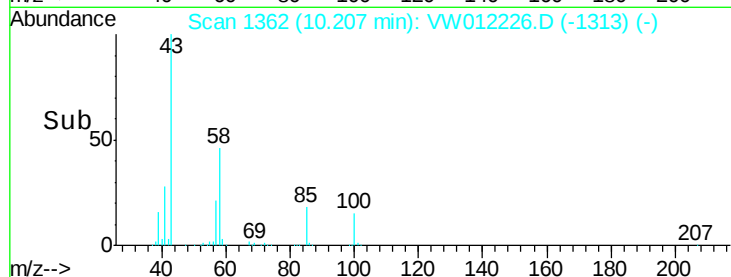
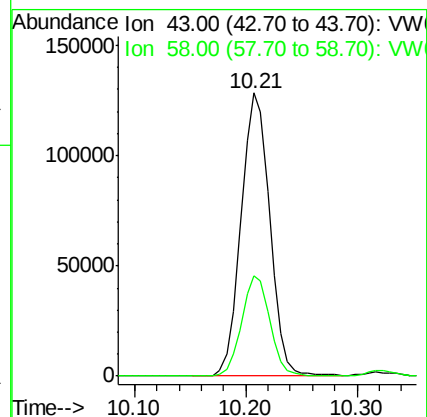
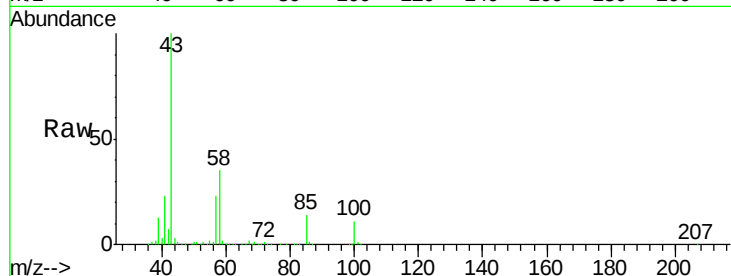
VW0827SBS02

Tot Ion: 43 Resp: 228872

Ion Ratio Lower Upper

43 100

58 34.8 28.2 42.2



#52

Toluene

Concen: 20.135 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012226.D

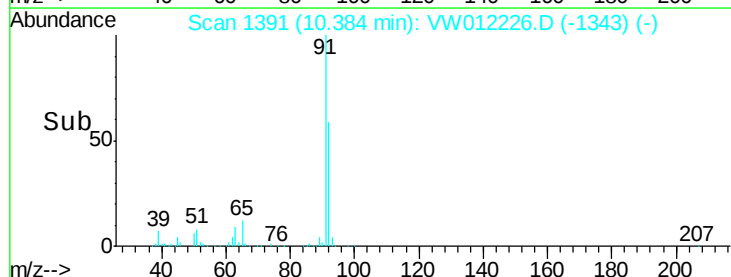
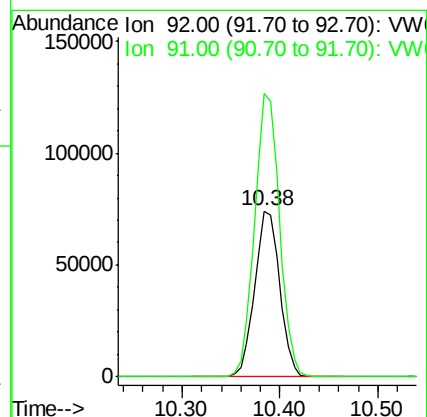
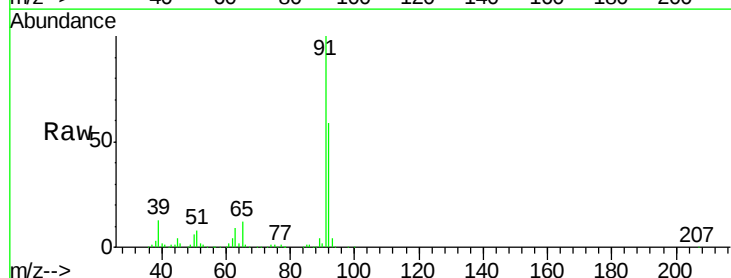
Acq: 27 Aug 2019 23:21

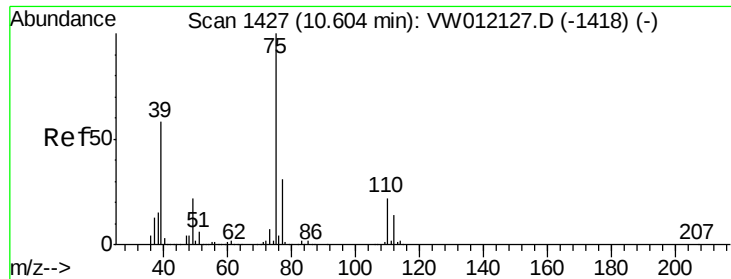
Tgt Ion: 92 Resp: 131319

Ion Ratio Lower Upper

92 100

91 170.4 136.6 204.8





#53

t-1,3-Dichloropropene

Concen: 20.565 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012226.D

Acq: 27 Aug 2019 23:21

Instrument :

MSVOA_W

ClientSampleId :

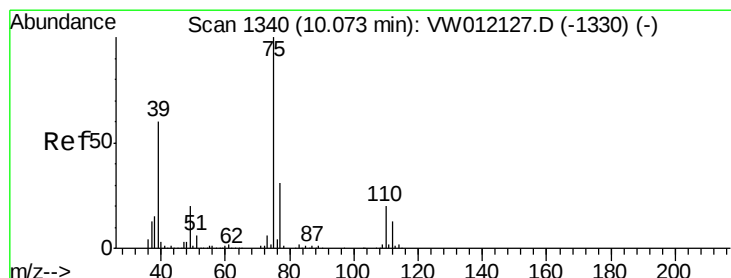
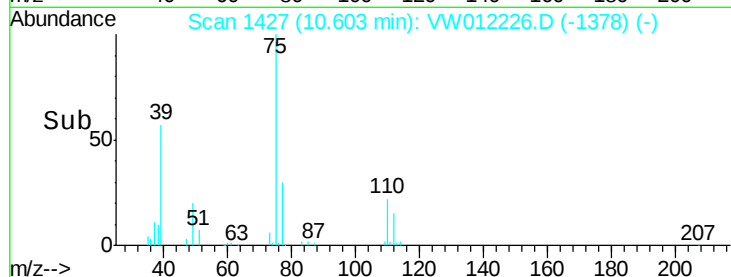
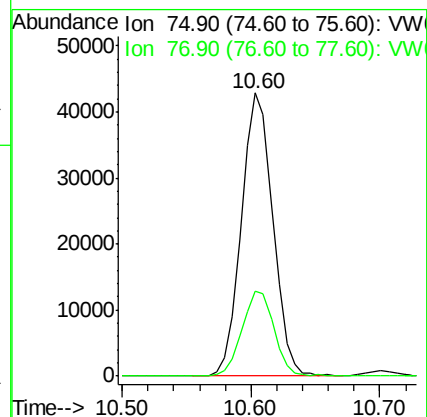
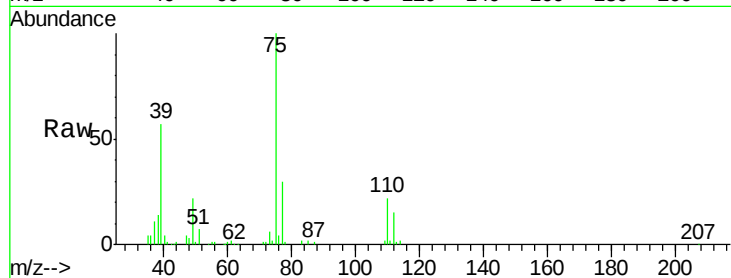
VW0827SBSD02

Tot Ion: 75 Resp: 72476

Ion Ratio Lower Upper

75 100

77 30.0 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 20.096 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012226.D

Acq: 27 Aug 2019 23:21

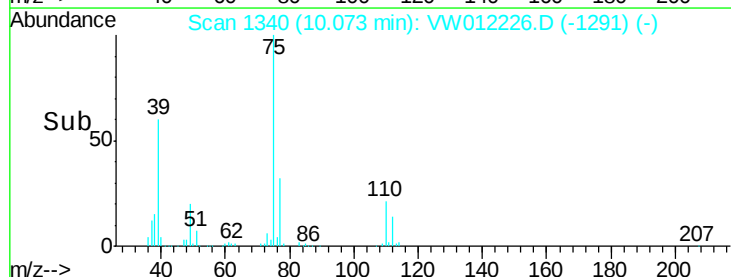
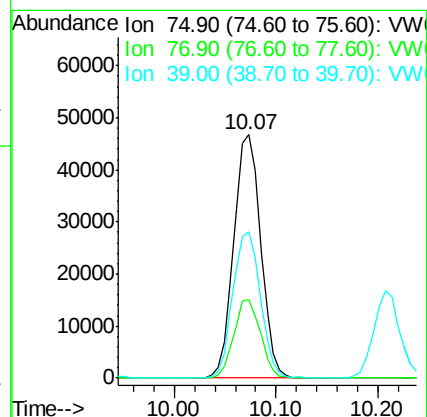
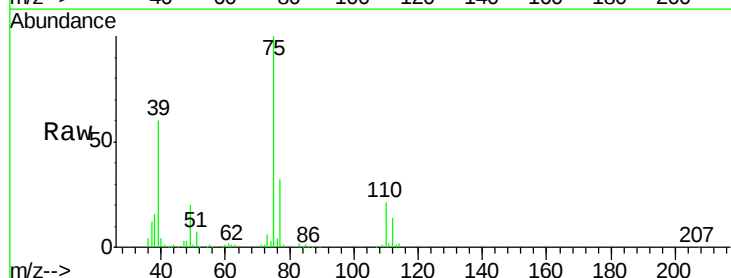
Tgt Ion: 75 Resp: 85513

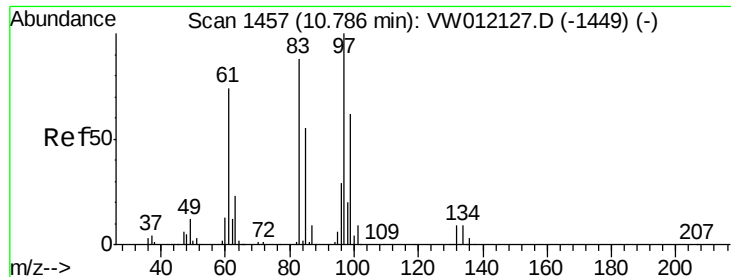
Ion Ratio Lower Upper

75 100

77 32.0 25.1 37.7

39 59.7 48.3 72.5





#55

1,1,2-Trichloroethane

Concen: 21.831 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW012226.D

Acq: 27 Aug 2019 23:21

Instrument :

MSVOA_W

ClientSampleId :

VW0827SBSD02

Tot Ion: 97 Resp: 40154

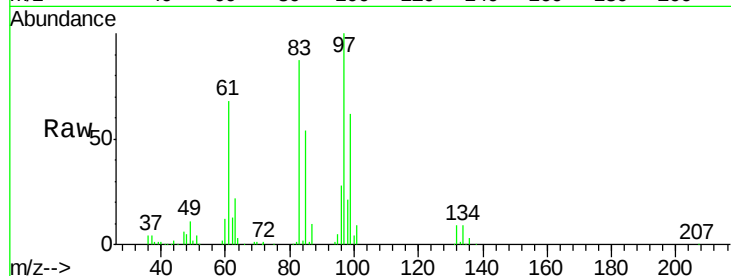
Ion Ratio Lower Upper

97 100

83 86.8 70.8 106.2

85 53.5 43.8 65.8

99 62.0 49.8 74.6

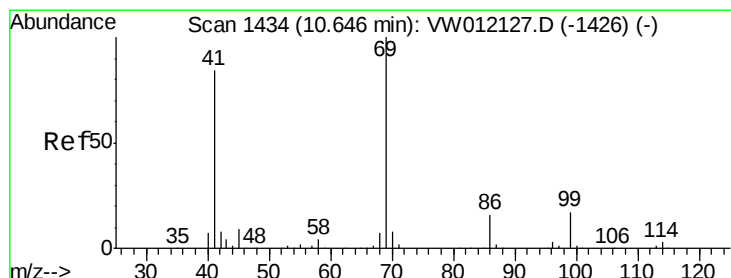
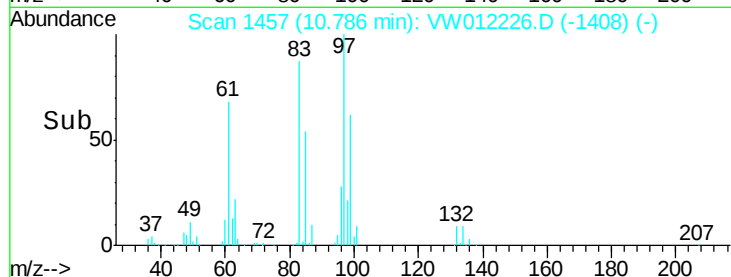
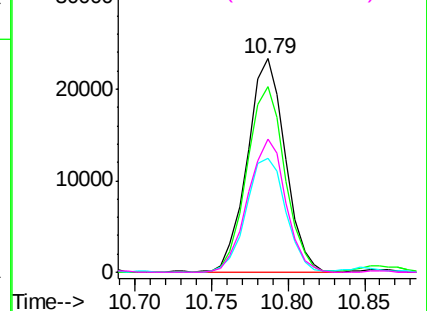


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 21.373 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW012226.D

Acq: 27 Aug 2019 23:21

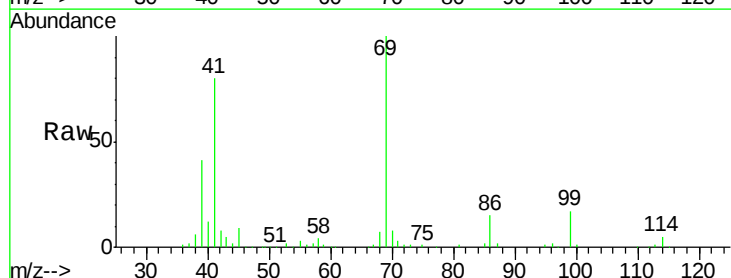
Tgt Ion: 69 Resp: 57213

Ion Ratio Lower Upper

69 100

41 84.0 66.5 99.7

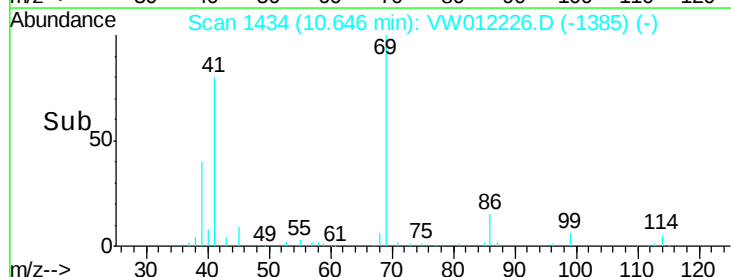
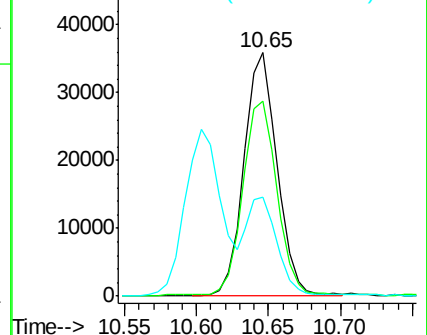
39 37.4 31.0 46.4

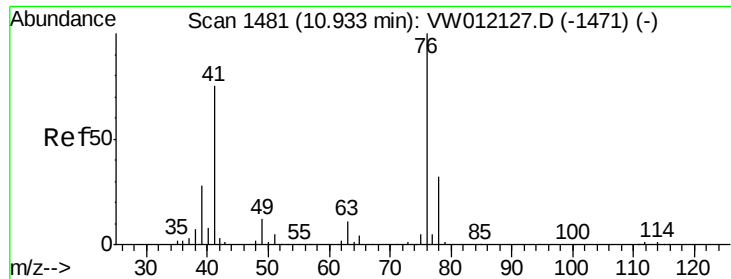


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

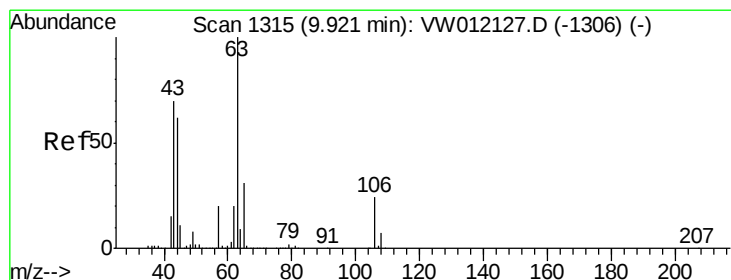
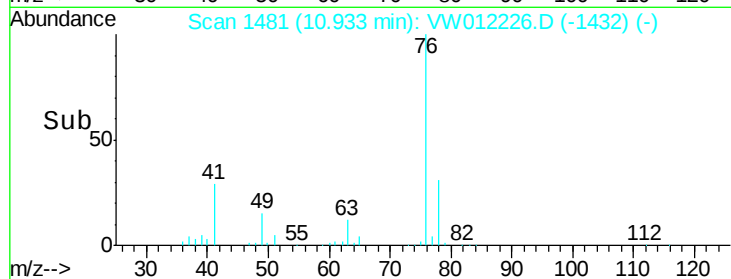
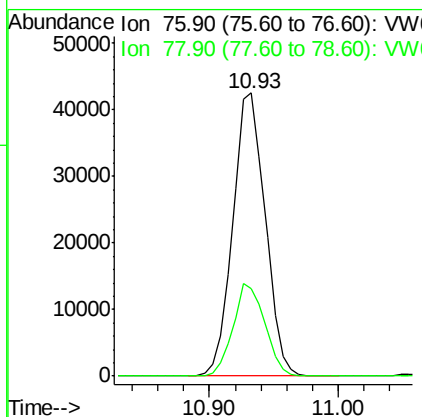
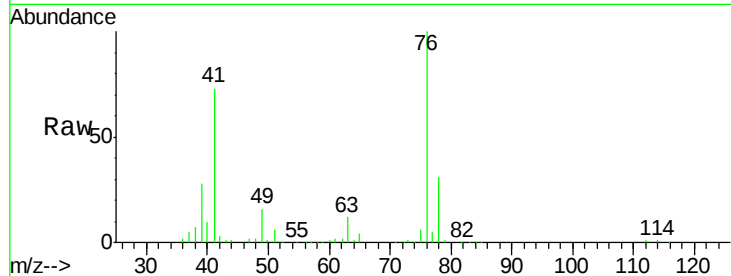




#57
 1,3-Dichloropropane
 Concen: 21.393 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012226.D
 Acq: 27 Aug 2019 23:21

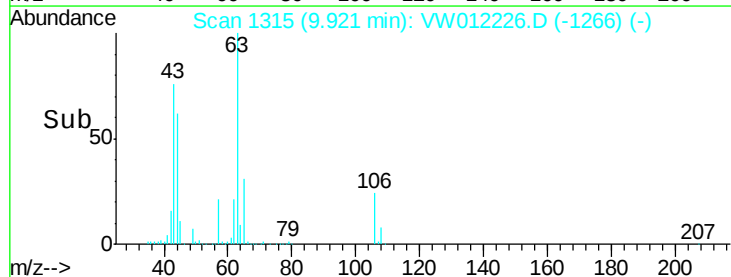
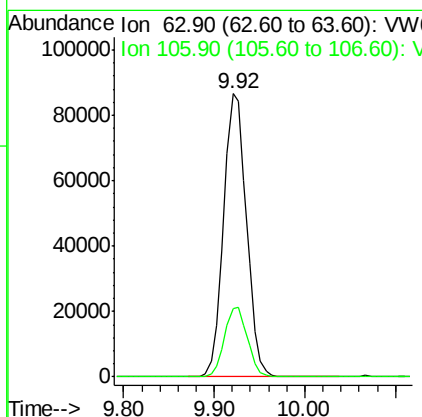
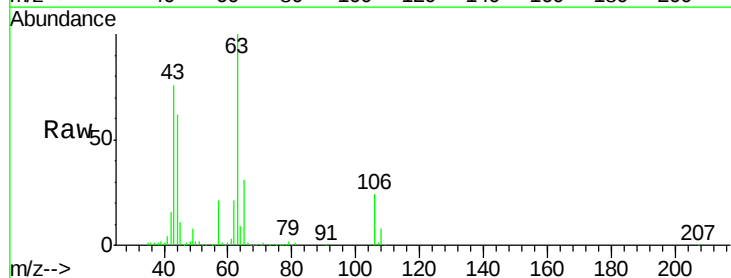
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0827SBSD02

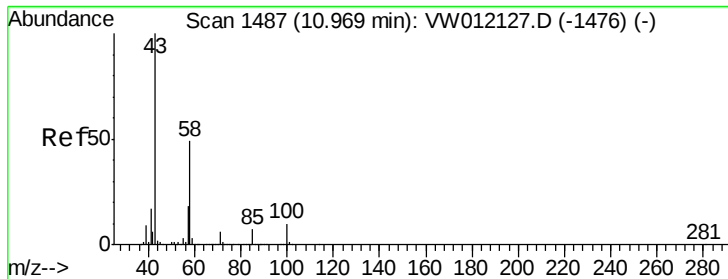
Tot Ion: 76 Resp: 74357
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 110.983 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012226.D
 Acq: 27 Aug 2019 23:21

Tgt Ion: 63 Resp: 152475
 Ion Ratio Lower Upper
 63 100
 106 24.6 19.8 29.8

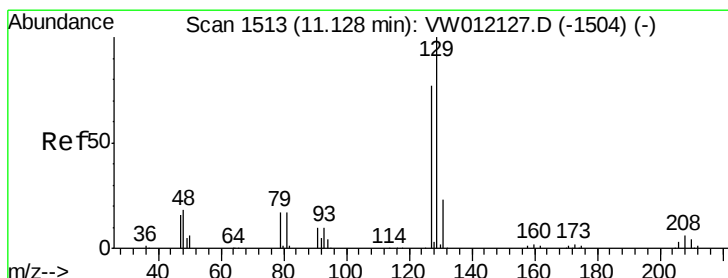
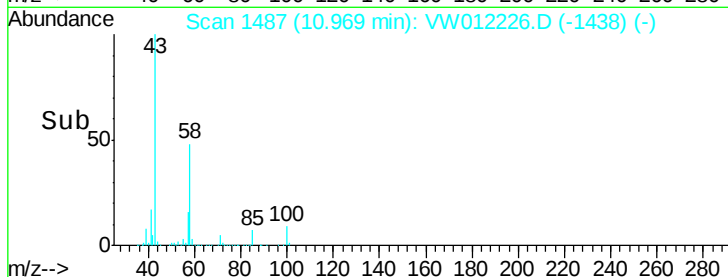
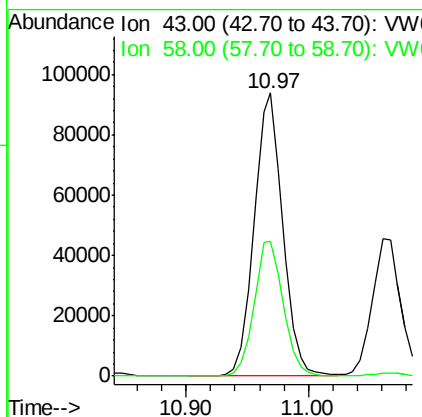
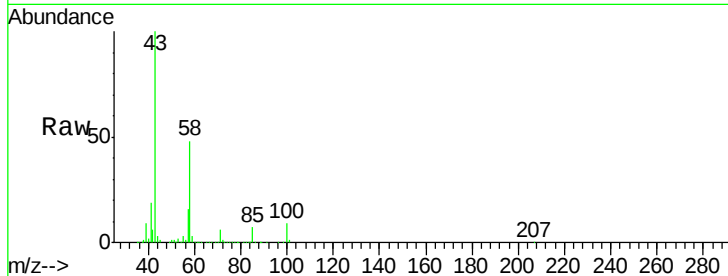




#59
2-Hexanone
Concen: 104.909 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012226.D
Acq: 27 Aug 2019 23:21

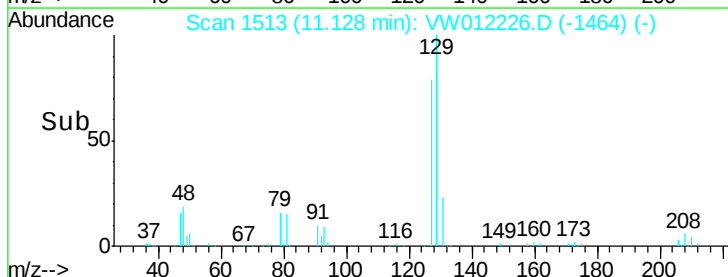
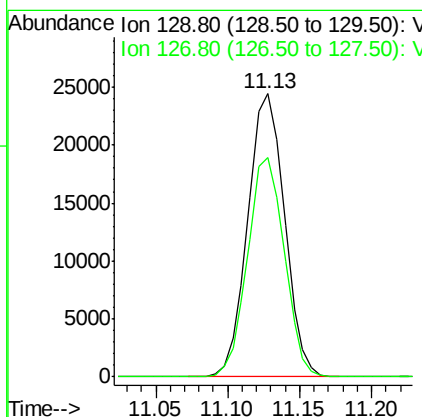
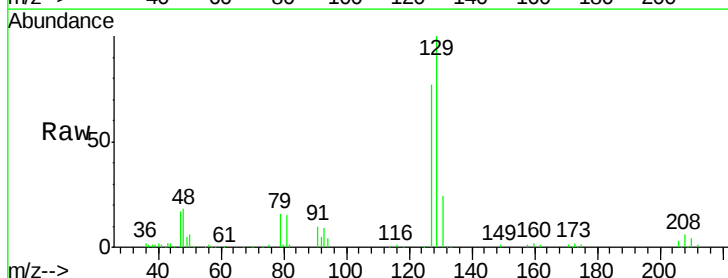
Instrument :
MSVOA_W
ClientSampleId :
VW0827SBS02

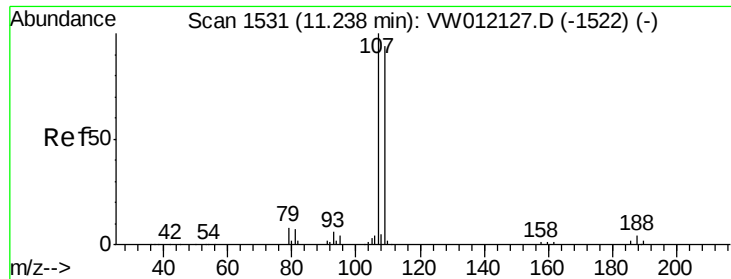
Tot Ion: 43 Resp: 152367
Ion Ratio Lower Upper
43 100
58 49.1 24.3 72.9



#60
Dibromochloromethane
Concen: 21.073 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012226.D
Acq: 27 Aug 2019 23:21

Tgt Ion: 129 Resp: 43172
Ion Ratio Lower Upper
129 100
127 77.3 38.6 115.8

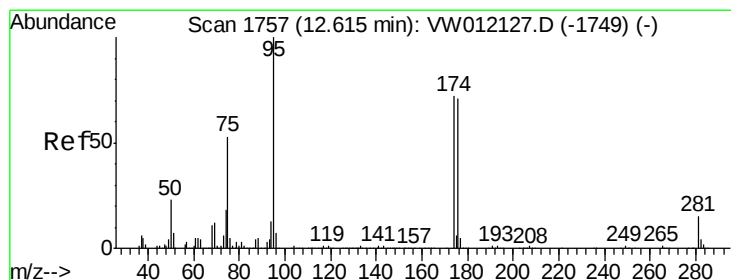
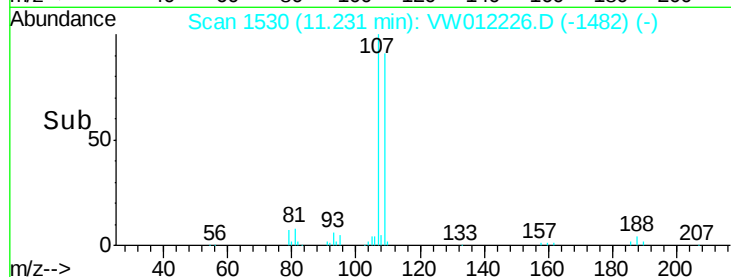
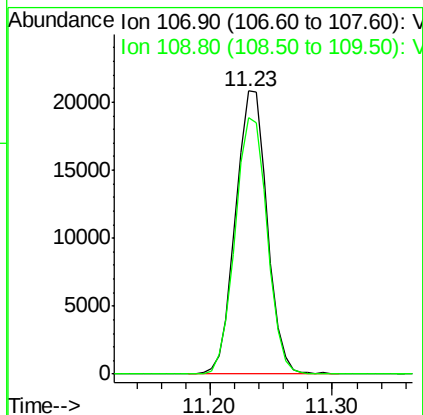
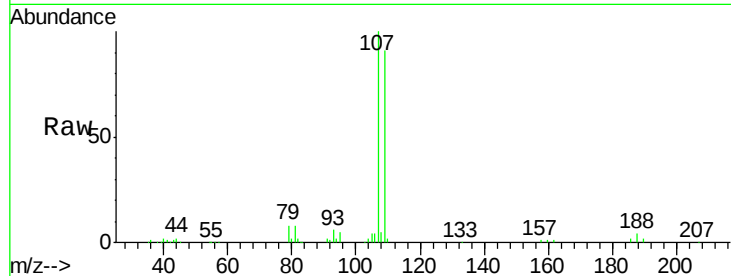




#61
 1,2-Dibromoethane
 Concen: 21.778 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW012226.D
 Acq: 27 Aug 2019 23:21

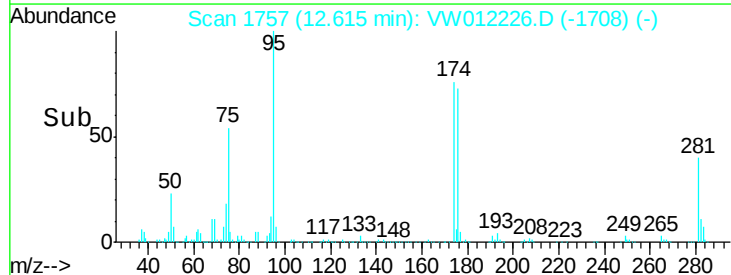
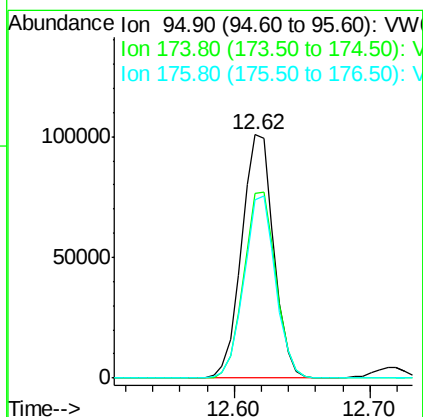
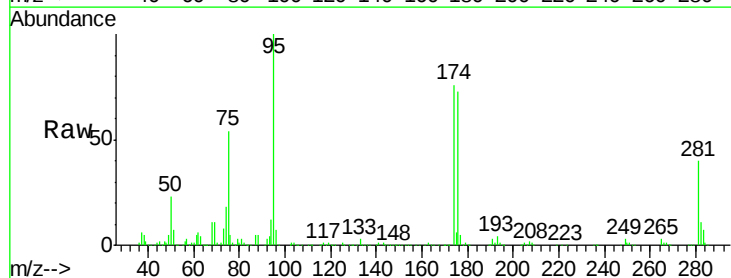
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0827SBSD02

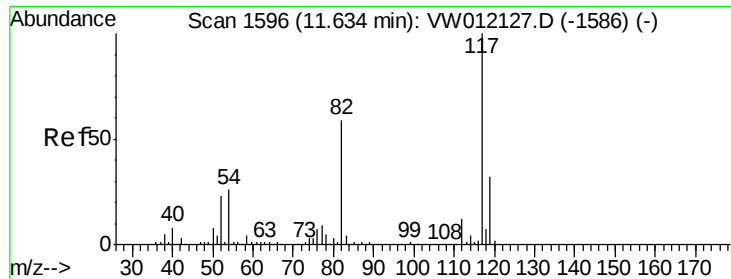
Tot Ion:107 Resp: 37317
 Ion Ratio Lower Upper
 107 100
 109 91.6 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 50.482 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012226.D
 Acq: 27 Aug 2019 23:21

Tgt Ion: 95 Resp: 165701
 Ion Ratio Lower Upper
 95 100
 174 76.8 0.0 150.8
 176 73.8 0.0 148.6

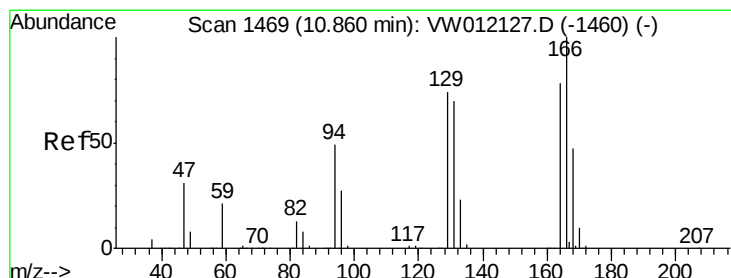
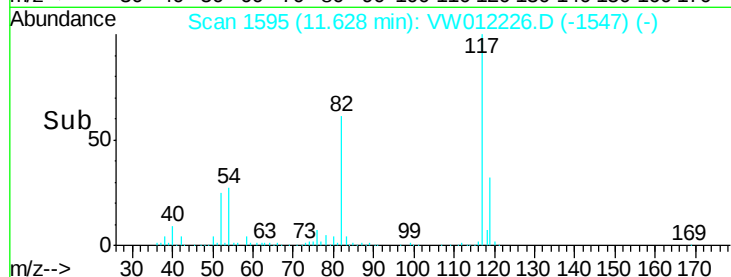
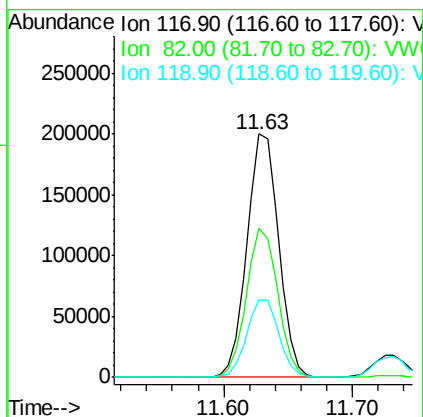
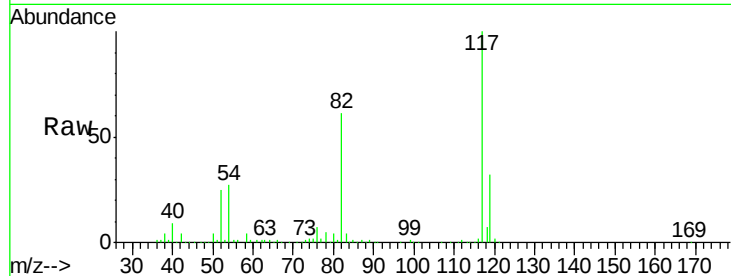




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012226.D
Acq: 27 Aug 2019 23:21

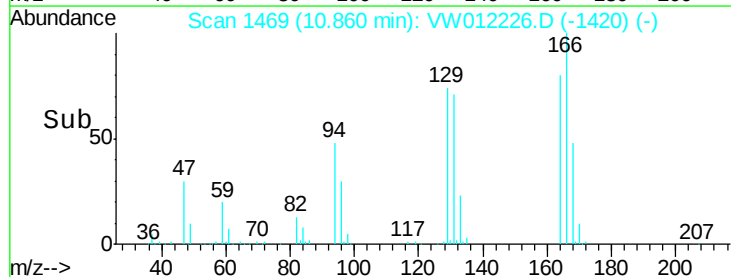
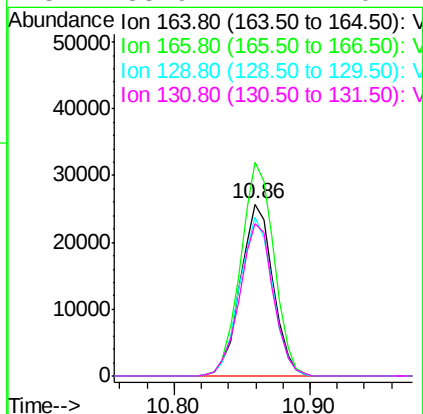
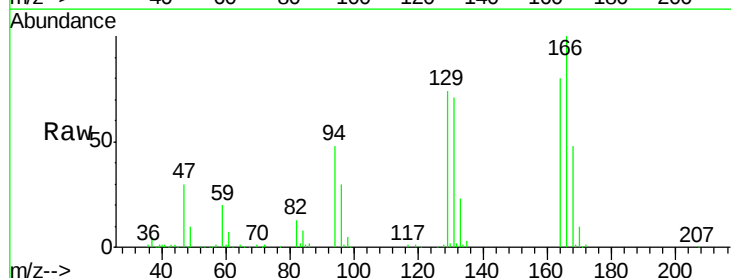
Instrument :
MSVOA_W
ClientSampleId :
VW0827SBSD02

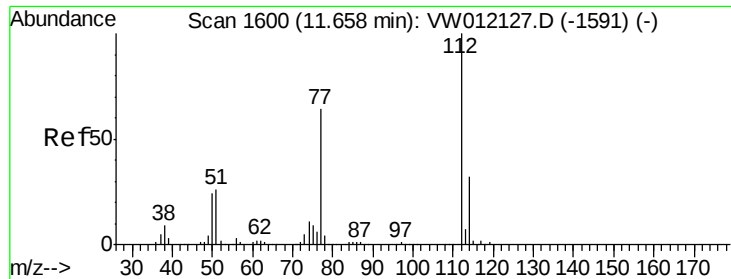
Tot Ion:117 Resp: 338756
Ion Ratio Lower Upper
117 100
82 61.1 47.4 71.2
119 31.8 25.4 38.2



#64
Tetrachloroethene
Concen: 19.599 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012226.D
Acq: 27 Aug 2019 23:21

Tgt Ion:164 Resp: 43045
Ion Ratio Lower Upper
164 100
166 124.4 102.4 153.6
129 92.6 75.8 113.6
131 88.9 71.4 107.2





#65

Chlorobenzene

Concen: 20.003 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW012226.D

Acq: 27 Aug 2019 23:21

Instrument :

MSVOA_W

ClientSampleId :

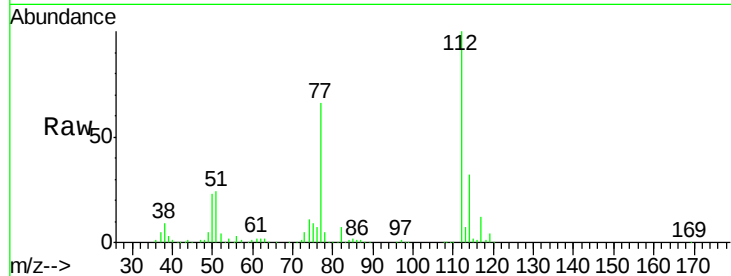
VW0827SBSD02

Tot Ion:112 Resp: 133431

Ion Ratio Lower Upper

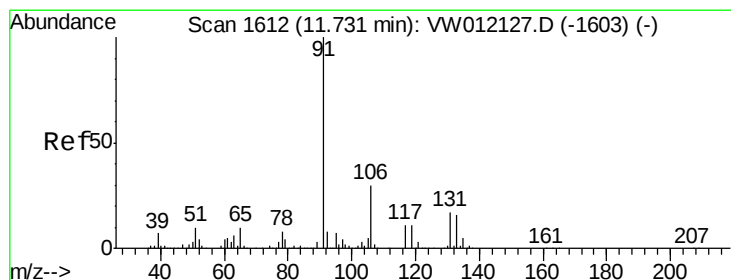
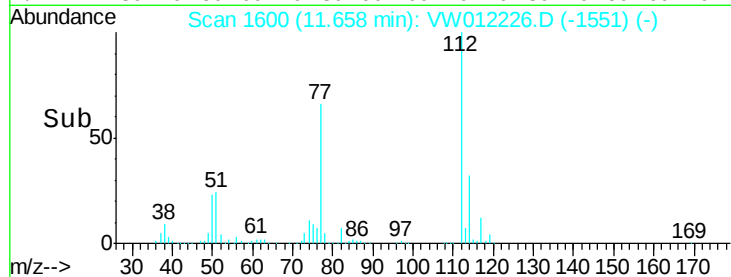
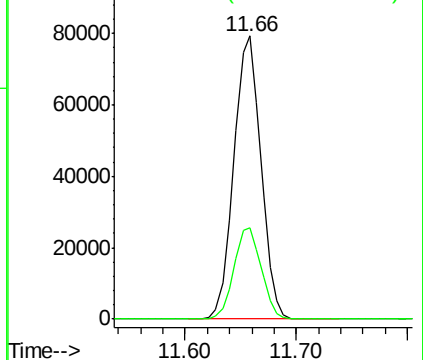
112 100

114 32.2 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.314 ug/l

RT: 11.73 min Scan# 1611

Delta R.T. -0.01 min

Lab File: VW012226.D

Acq: 27 Aug 2019 23:21

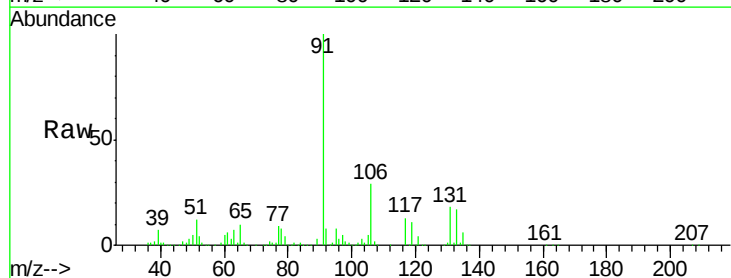
Tgt Ion:131 Resp: 47271

Ion Ratio Lower Upper

131 100

133 93.1 47.1 141.3

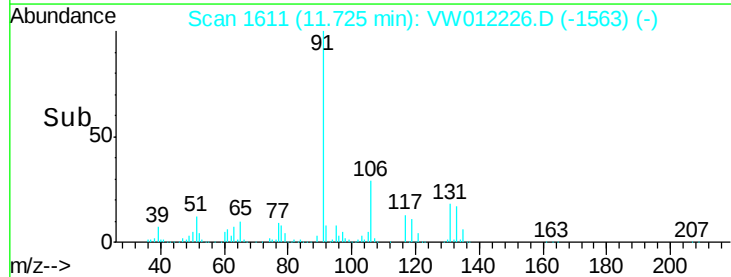
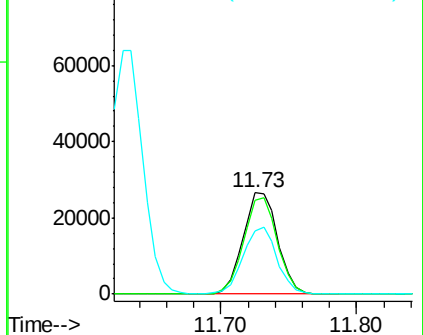
119 64.4 31.8 95.3

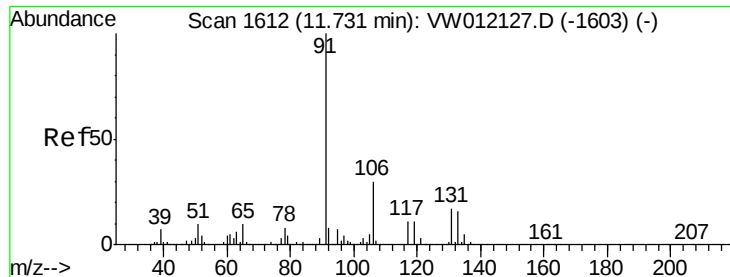


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.544 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW012226.D

Acq: 27 Aug 2019 23:21

Instrument :

MSVOA_W

ClientSampleId :

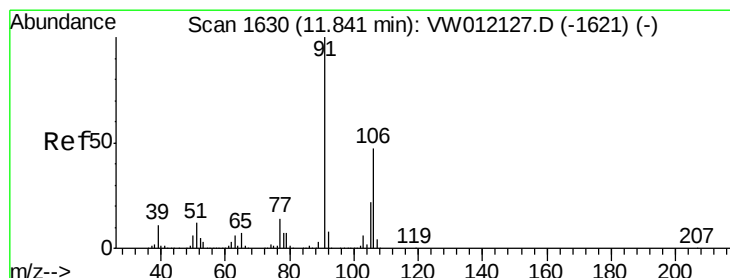
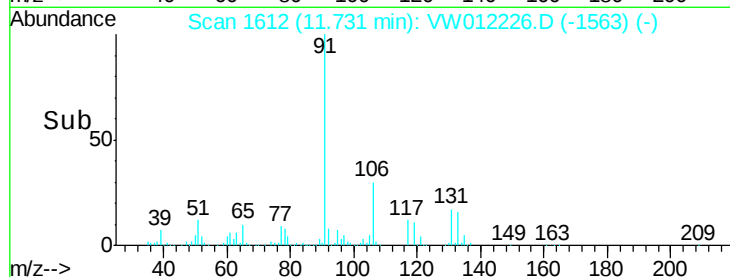
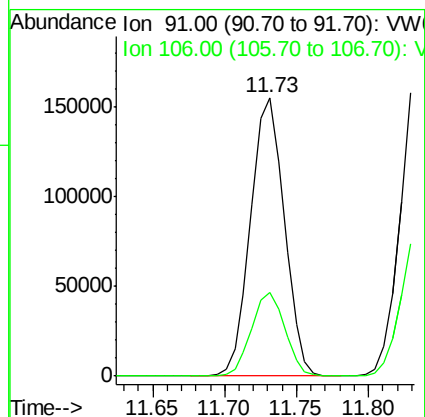
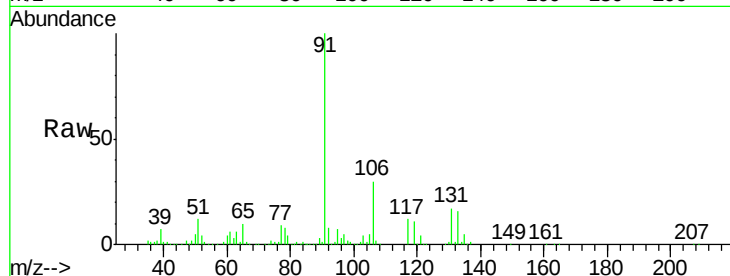
VW0827SBS02

Tot Ion: 91 Resp: 251131

Ion Ratio Lower Upper

91 100

106 30.0 24.3 36.5



#68

m/p-Xylenes

Concen: 39.365 ug/l

RT: 11.83 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW012226.D

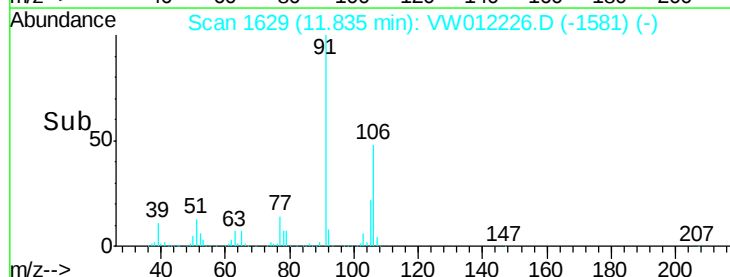
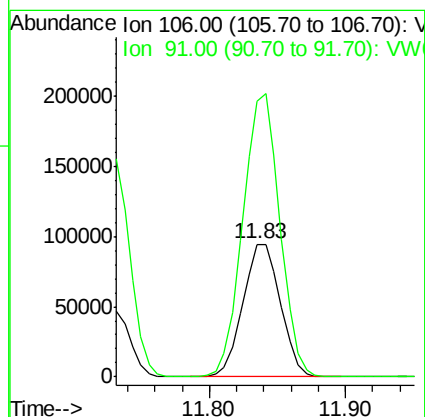
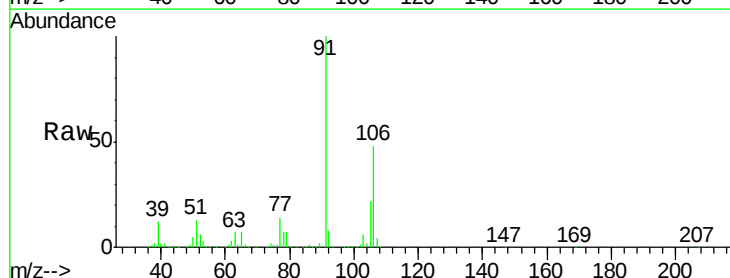
Acq: 27 Aug 2019 23:21

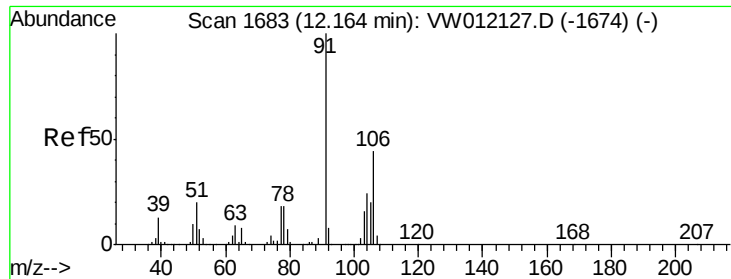
Tgt Ion: 106 Resp: 182202

Ion Ratio Lower Upper

106 100

91 210.4 169.5 254.3

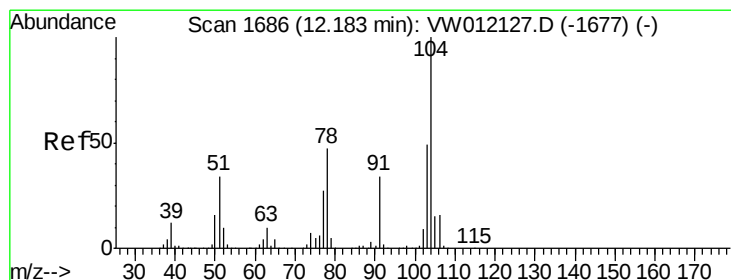
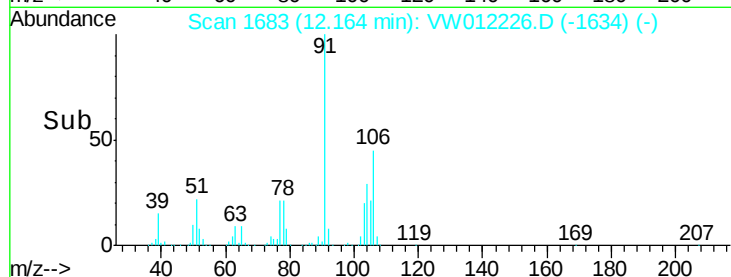
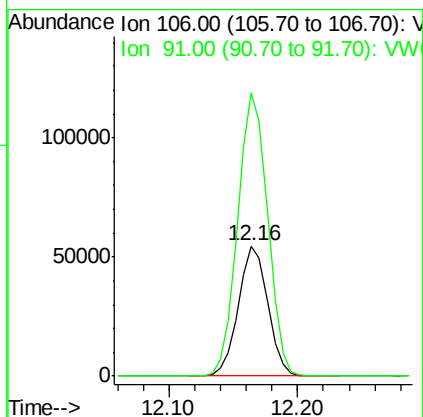
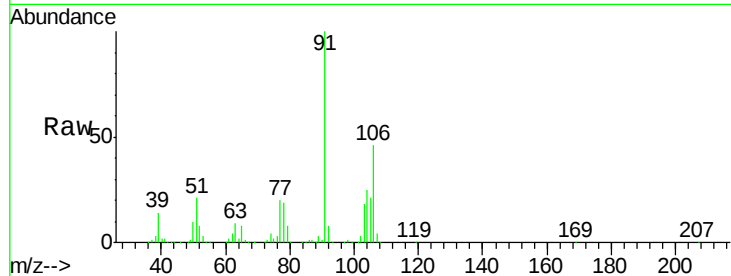




#69
o-Xylene
Concen: 20.095 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012226.D
Acq: 27 Aug 2019 23:21

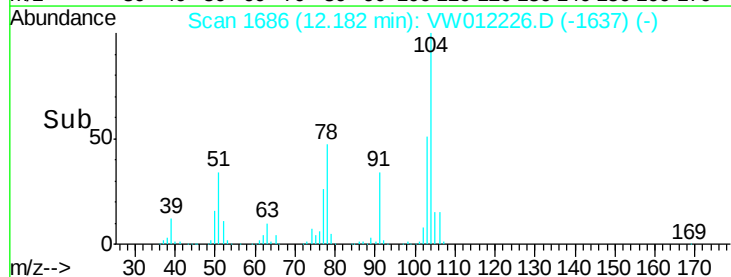
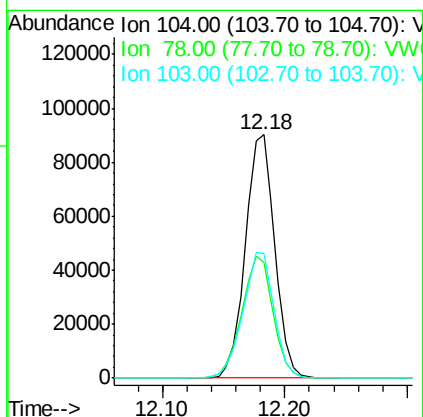
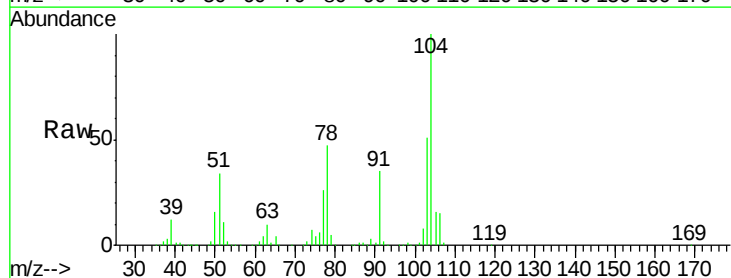
Instrument :
MSVOA_W
ClientSampleId :
VW0827SBSD02

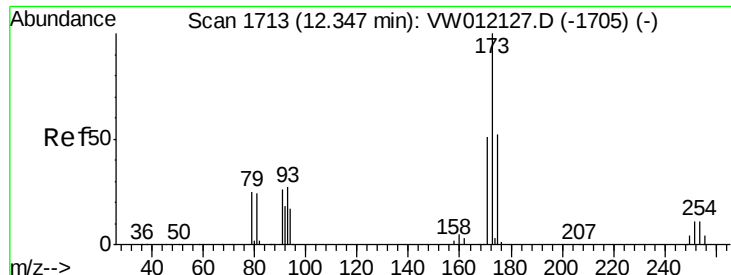
Tot Ion:106 Resp: 86082
Ion Ratio Lower Upper
106 100
91 222.2 111.6 334.6



#70
Styrene
Concen: 20.332 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012226.D
Acq: 27 Aug 2019 23:21

Tgt Ion:104 Resp: 150761
Ion Ratio Lower Upper
104 100
78 53.2 43.1 64.7
103 54.6 43.5 65.3





#71

Bromoform

Concen: 19.999 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012226.D

Acq: 27 Aug 2019 23:21

Instrument :

MSVOA_W

ClientSampleId :

VW0827SBSD02

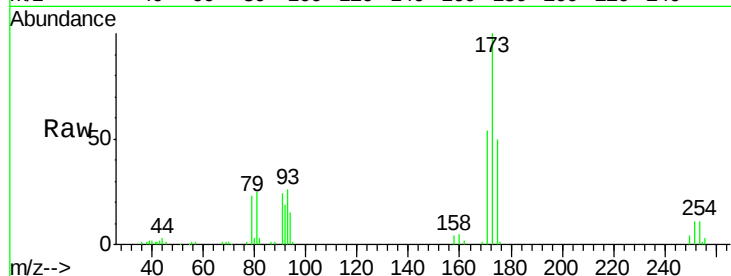
Tot Ion:173 Resp: 23187

Ion Ratio Lower Upper

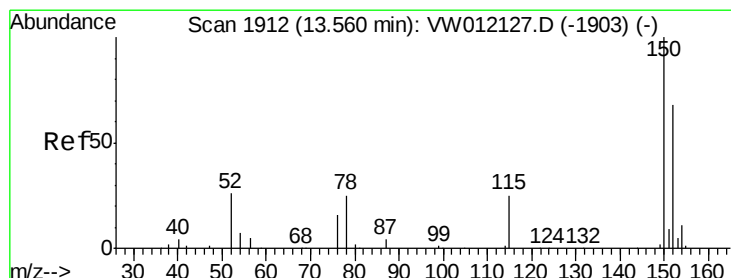
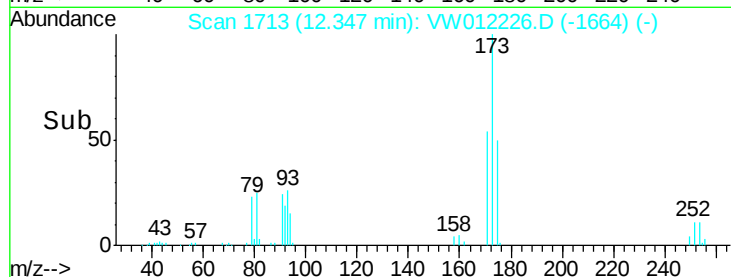
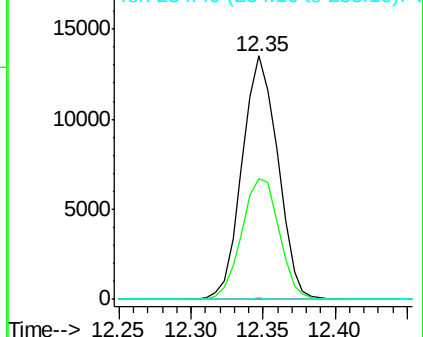
173 100

175 51.8 24.6 74.0

254 0.2 0.2 0.2



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012226.D

Acq: 27 Aug 2019 23:21

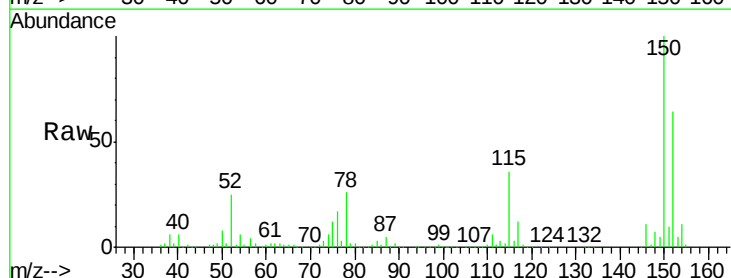
Tgt Ion:152 Resp: 162468

Ion Ratio Lower Upper

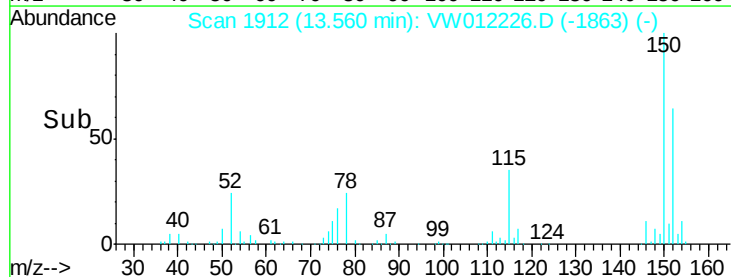
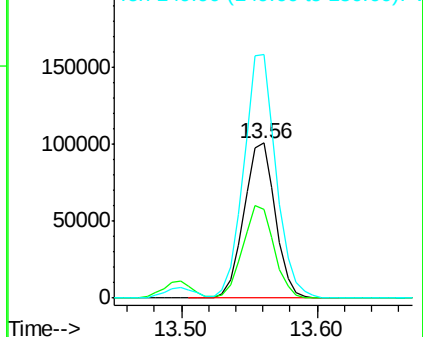
152 100

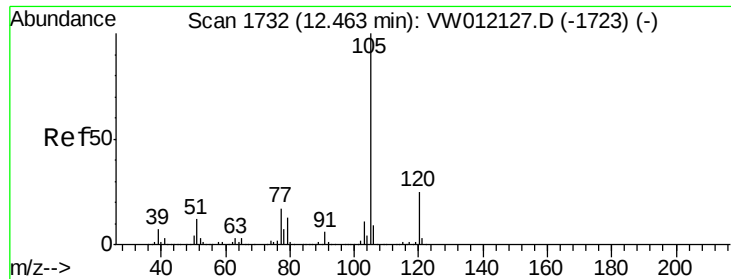
115 59.5 30.1 90.3

150 161.7 0.0 345.8



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





#73

Isopropylbenzene

Concen: 19.579 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012226.D

Acq: 27 Aug 2019 23:21

Instrument :

MSVOA_W

ClientSampleId :

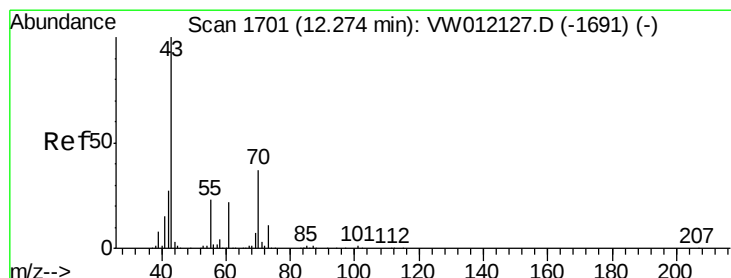
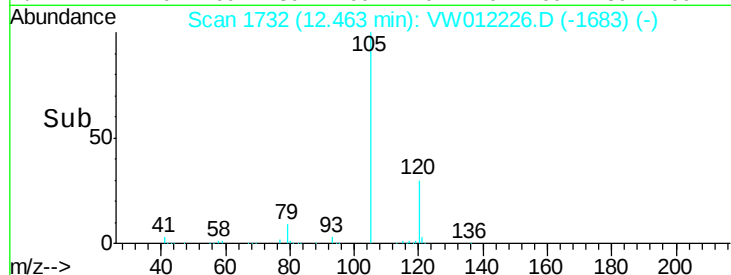
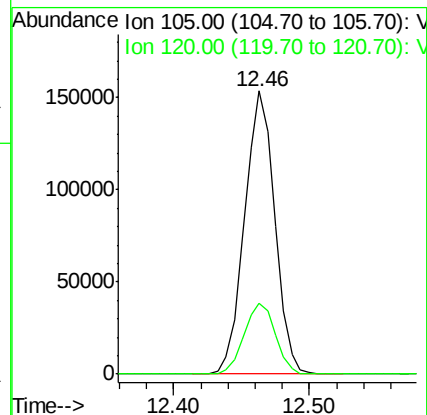
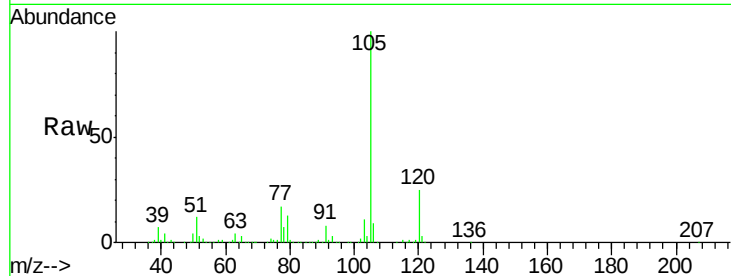
VW0827SBSD02

Tot Ion:105 Resp: 238355

Ion Ratio Lower Upper

105 100

120 25.9 12.5 37.5



#74

N-ethyl acetate

Concen: 21.225 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012226.D

Acq: 27 Aug 2019 23:21

Tgt Ion: 43 Resp: 78066

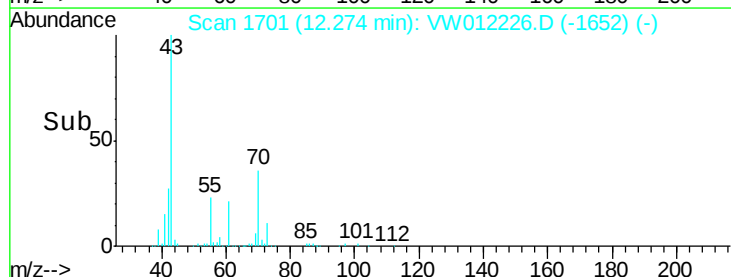
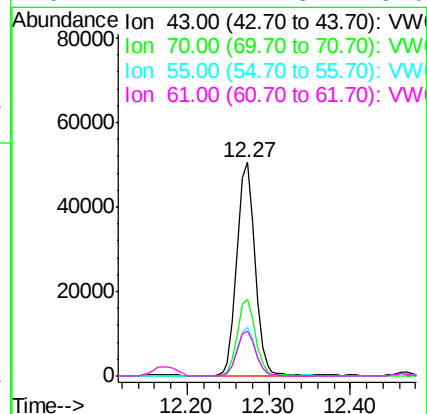
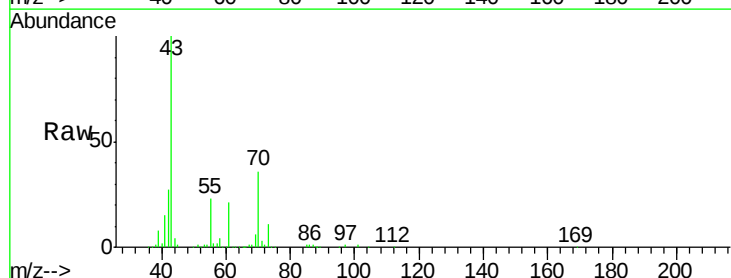
Ion Ratio Lower Upper

43 100

70 35.5 28.6 43.0

55 22.6 17.8 26.6

61 21.2 17.3 25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 21.230 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012226.D

Acq: 27 Aug 2019 23:21

Instrument :

MSVOA_W

ClientSampleId :

VW0827SBSD02

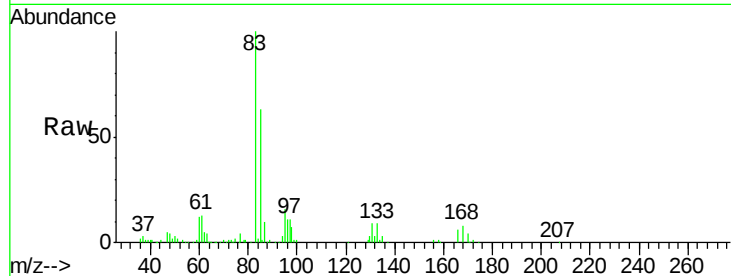
Tot Ion: 83 Resp: 47381

Ion Ratio Lower Upper

83 100

131 10.0 4.9 14.7

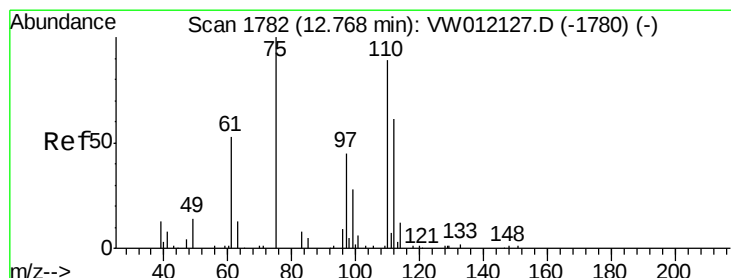
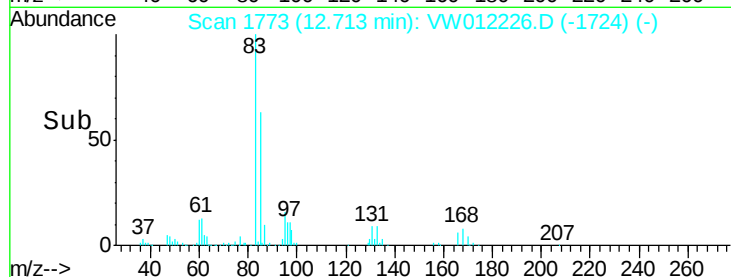
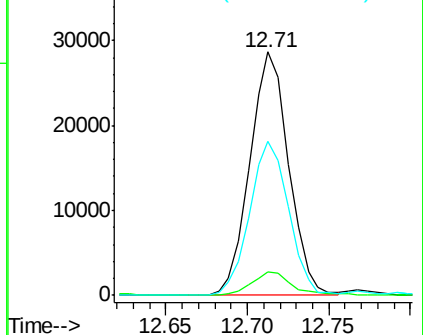
85 63.6 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 20.408 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW012226.D

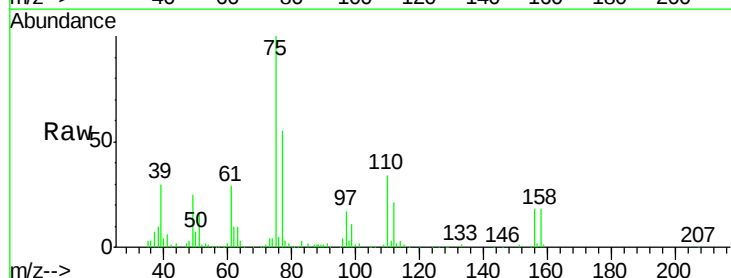
Acq: 27 Aug 2019 23:21

Tgt Ion: 75 Resp: 32292

Ion Ratio Lower Upper

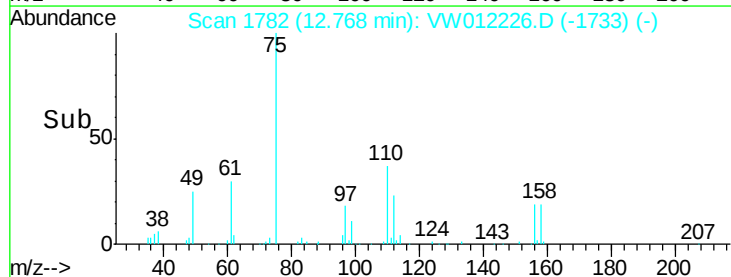
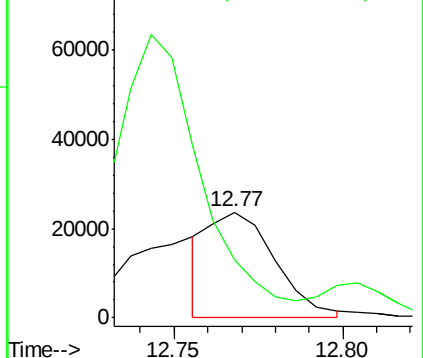
75 100

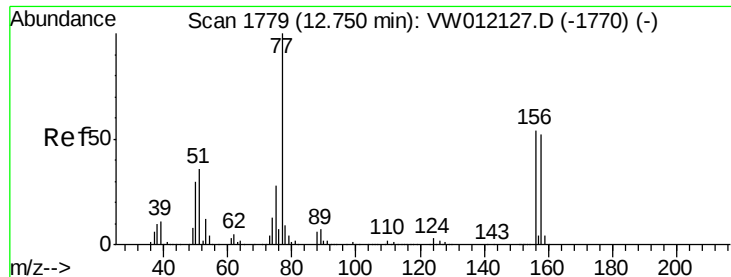
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.338 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012226.D

Acq: 27 Aug 2019 23:21

Instrument :

MSVOA_W

ClientSampleId :

VW0827SBSD02

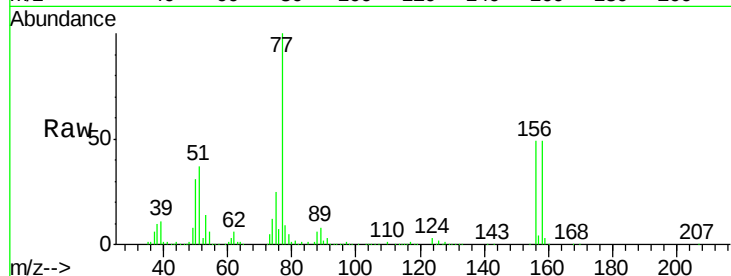
Tot Ion:156 Resp: 53564

Ion Ratio Lower Upper

156 100

77 214.2 107.3 321.8

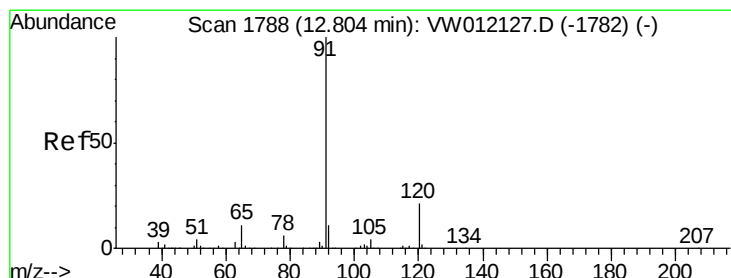
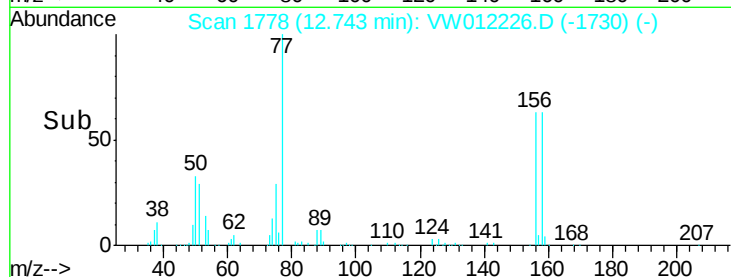
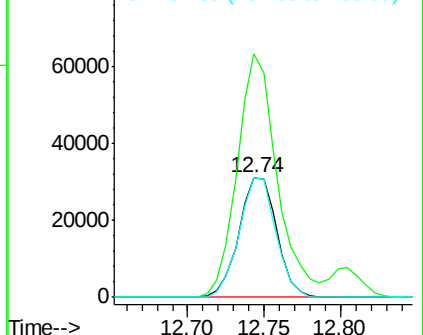
158 97.7 49.0 147.0



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: 19.522 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012226.D

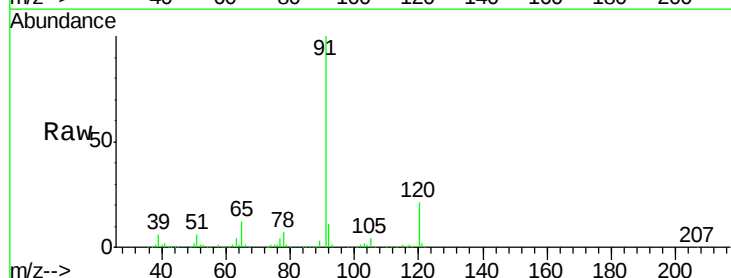
Acq: 27 Aug 2019 23:21

Tgt Ion: 91 Resp: 290135

Ion Ratio Lower Upper

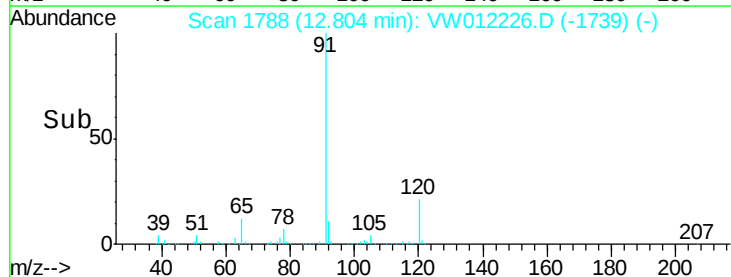
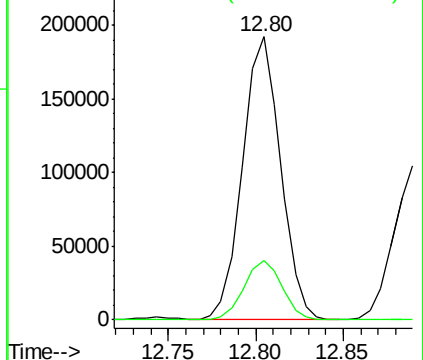
91 100

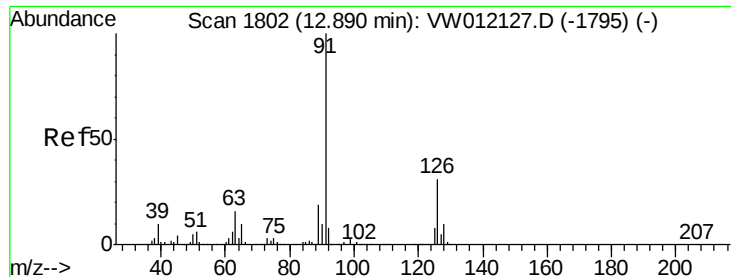
120 21.2 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.038 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012226.D

Acq: 27 Aug 2019 23:21

Instrument :

MSVOA_W

ClientSampleId :

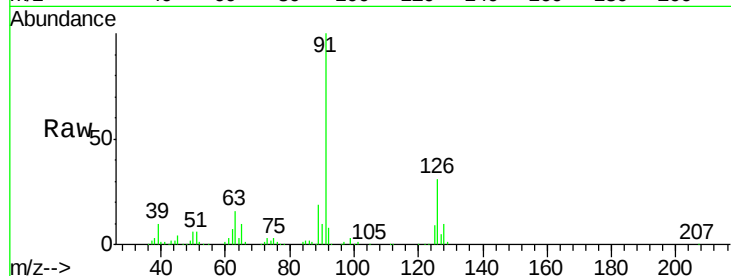
VW0827SBSD02

Tot Ion: 91 Resp: 169079

Ion Ratio Lower Upper

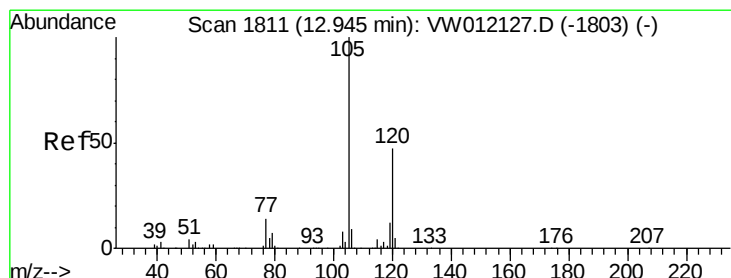
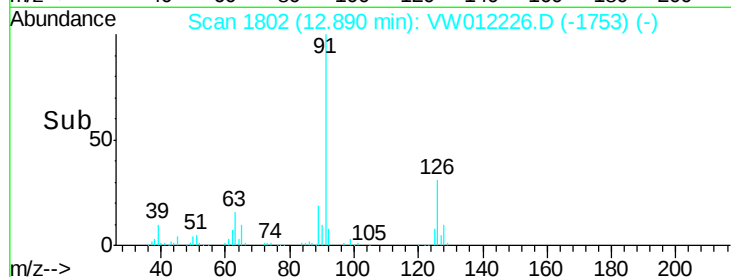
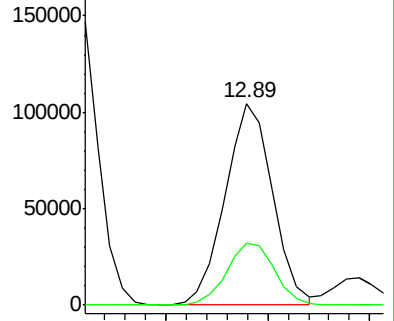
91 100

126 31.3 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: 19.817 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012226.D

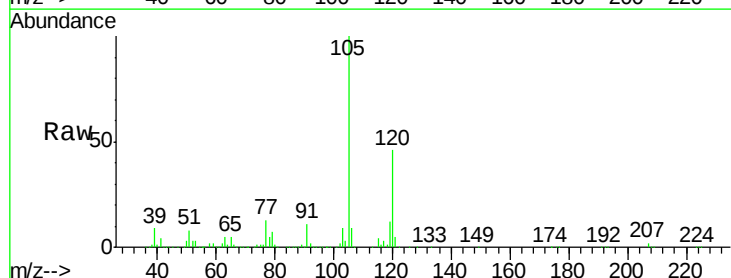
Acq: 27 Aug 2019 23:21

Tgt Ion:105 Resp: 201591

Ion Ratio Lower Upper

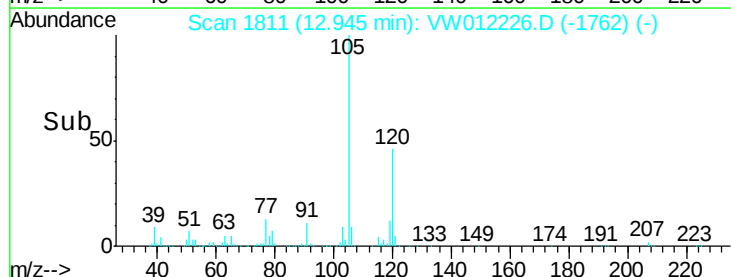
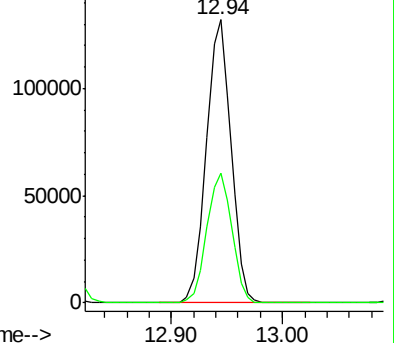
105 100

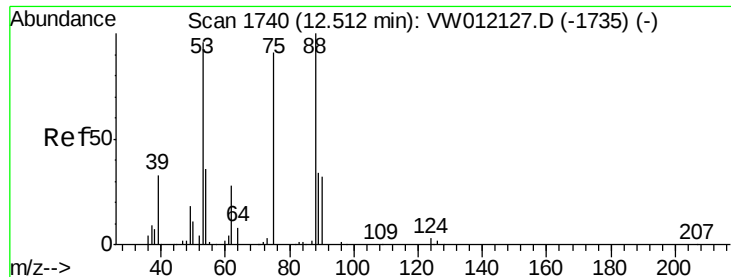
120 46.7 24.0 72.0



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: 20.093 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012226.D

Acq: 27 Aug 2019 23:21

Instrument :

MSVOA_W

ClientSampleId :

VW0827SBSD02

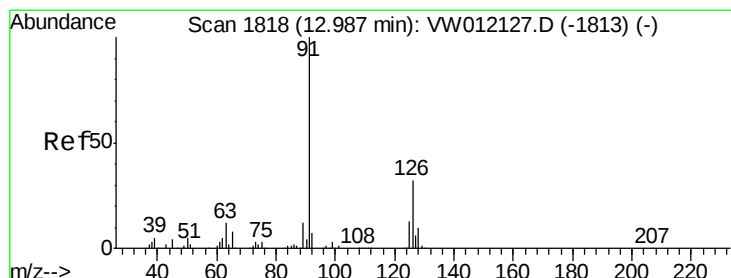
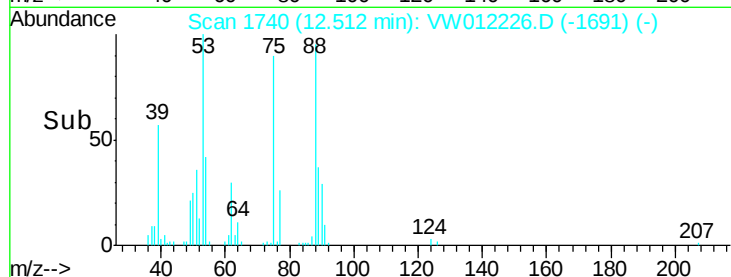
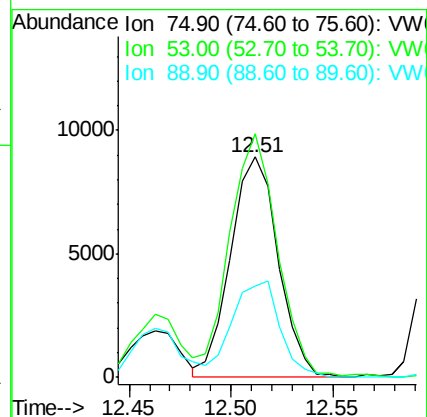
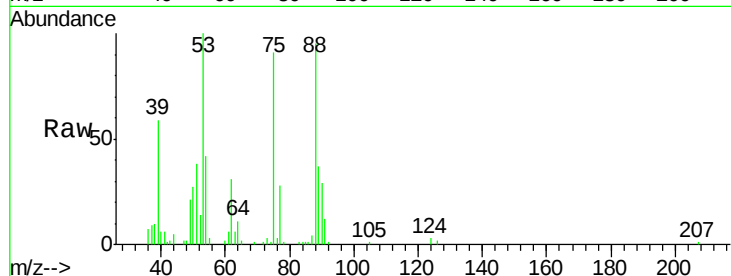
Tot Ion: 75 Resp: 14501

Ion Ratio Lower Upper

75 100

53 111.3 89.4 134.0

89 43.4 34.5 51.7



#82

4-Chlorotoluene

Concen: 19.984 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW012226.D

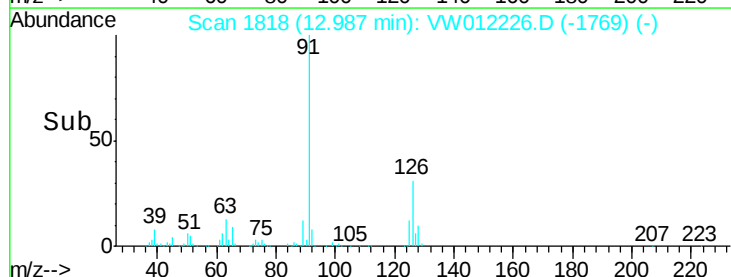
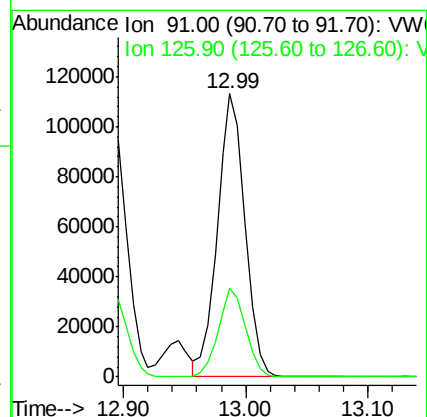
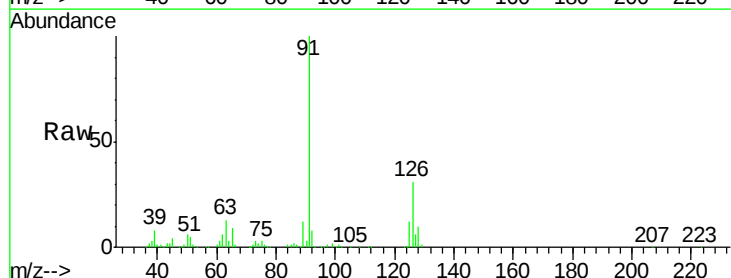
Acq: 27 Aug 2019 23:21

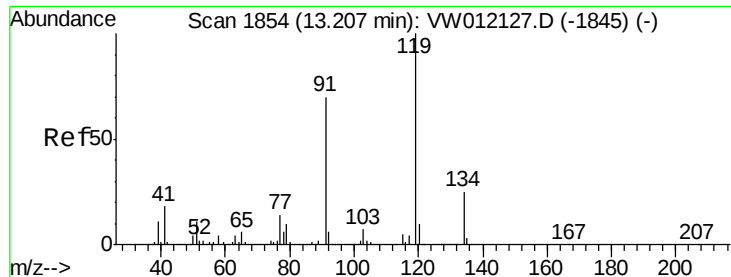
Tgt Ion: 91 Resp: 176561

Ion Ratio Lower Upper

91 100

126 31.2 15.6 46.8

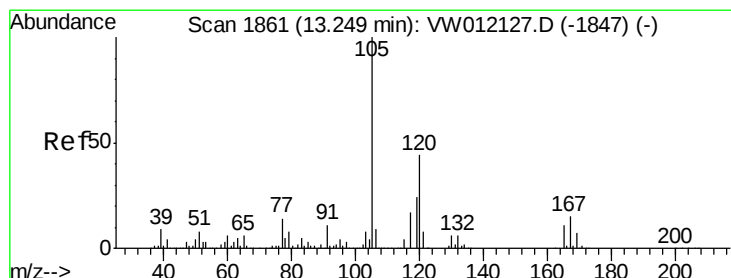
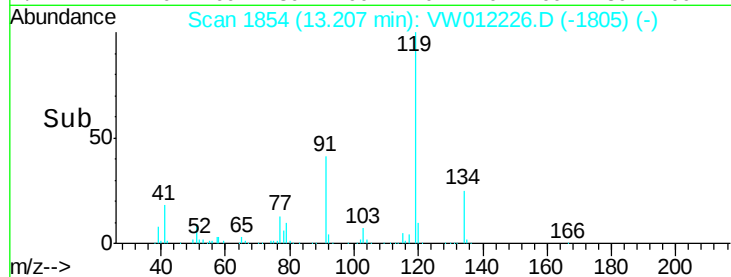
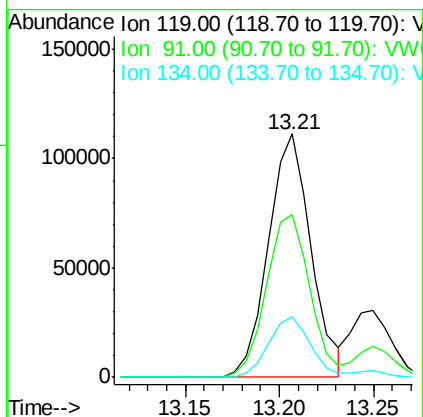
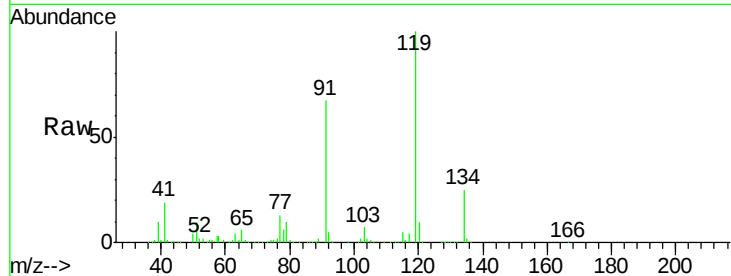




#83
tert-Butylbenzene
Concen: 20.292 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012226.D
Acq: 27 Aug 2019 23:21

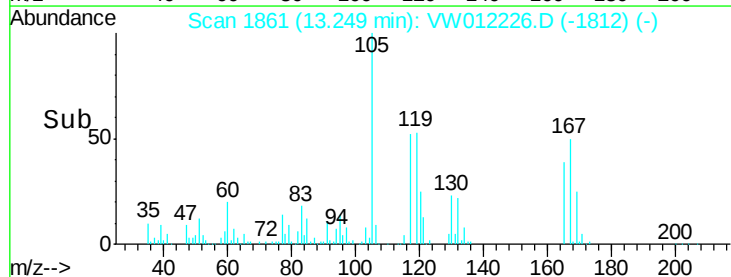
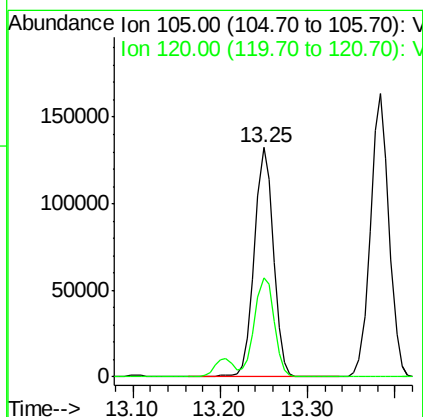
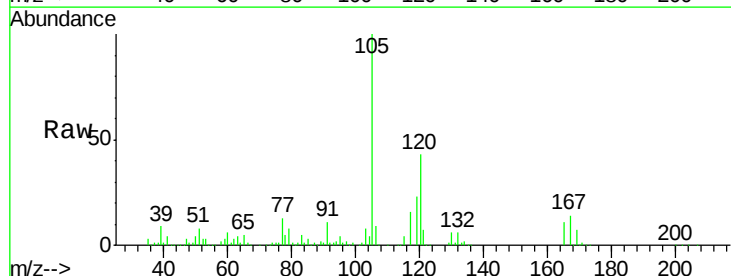
Instrument :
MSVOA_W
ClientSampleId :
VW0827SBSD02

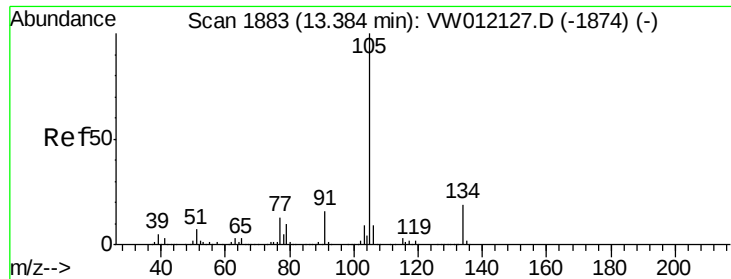
Tot Ion:119 Resp: 174855
Ion Ratio Lower Upper
119 100
91 68.1 34.8 104.3
134 24.8 13.3 39.8



#84
1,2,4-Trimethylbenzene
Concen: 19.624 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012226.D
Acq: 27 Aug 2019 23:21

Tgt Ion:105 Resp: 200533
Ion Ratio Lower Upper
105 100
120 45.0 21.9 65.7





#85

sec-Butylbenzene

Concen: 19.649 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012226.D

Acq: 27 Aug 2019 23:21

Instrument :

MSVOA_W

ClientSampleId :

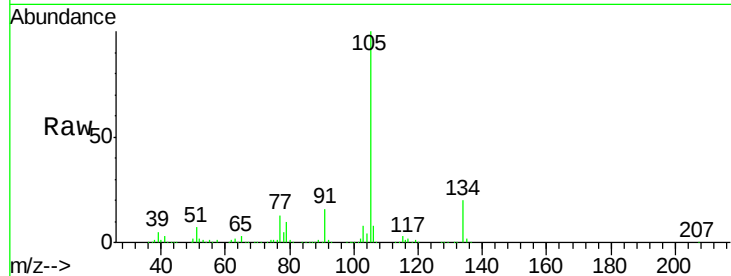
VW0827SBSD02

Tot Ion:105 Resp: 242568

Ion Ratio Lower Upper

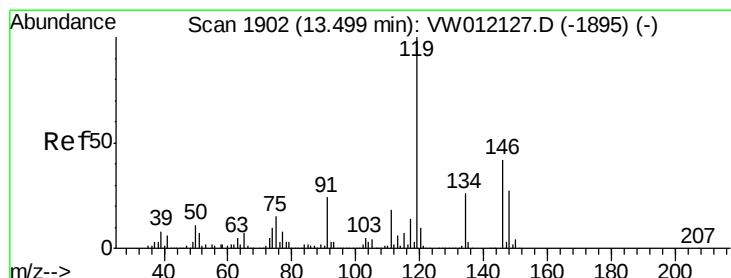
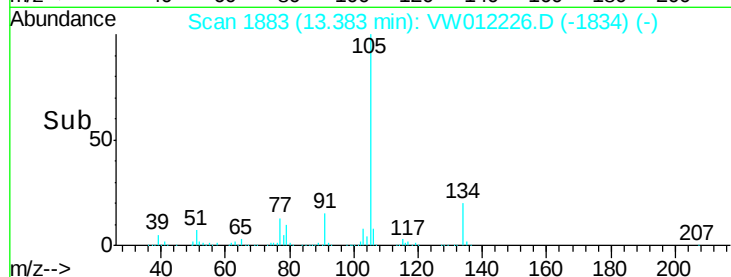
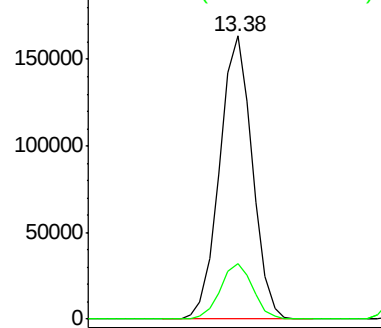
105 100

134 19.4 9.8 29.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.361 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012226.D

Acq: 27 Aug 2019 23:21

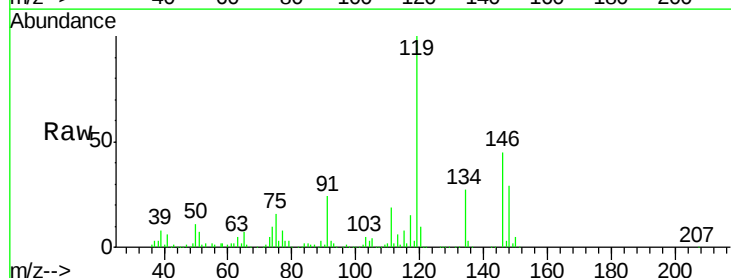
Tgt Ion:119 Resp: 213457

Ion Ratio Lower Upper

119 100

134 26.2 12.8 38.3

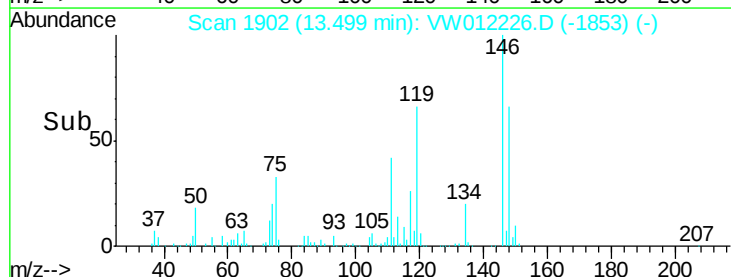
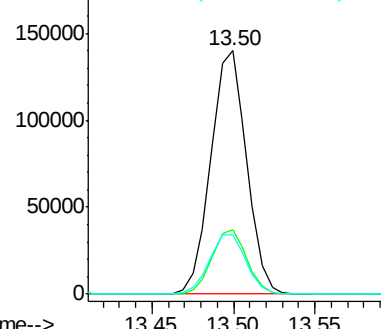
91 24.9 12.3 36.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VW

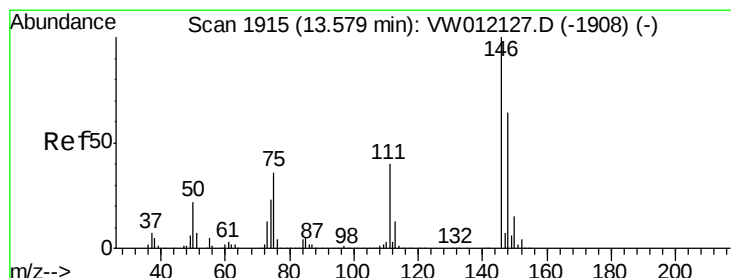
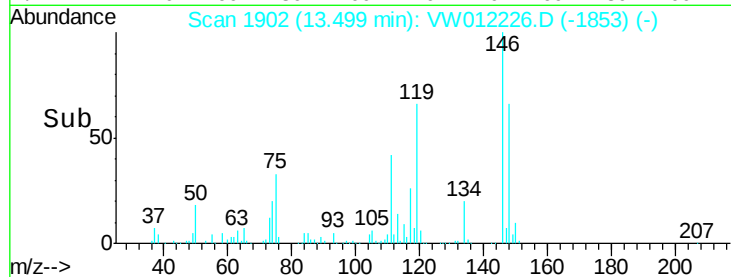
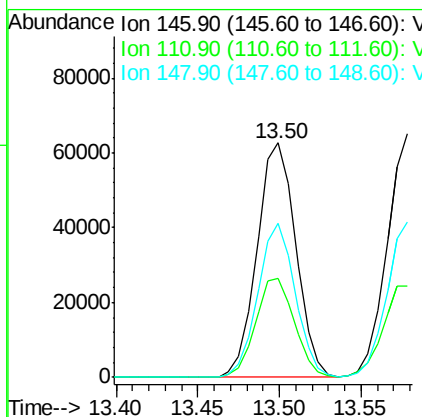
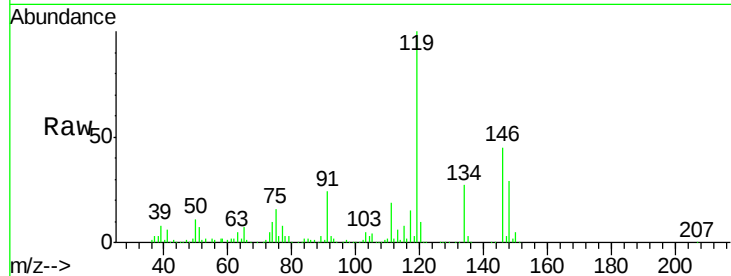




#87
 1,3-Dichlorobenzene
 Concen: 20.062 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012226.D
 Acq: 27 Aug 2019 23:21

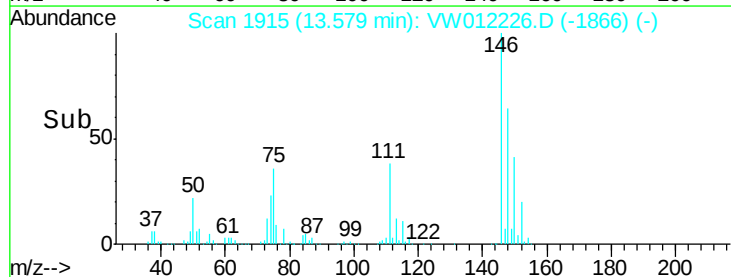
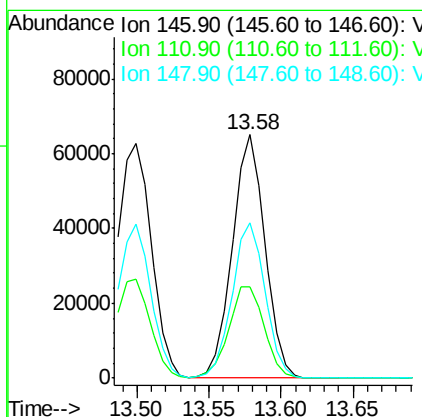
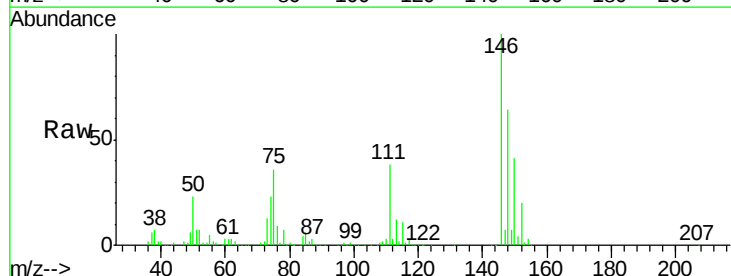
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0827SBSD02

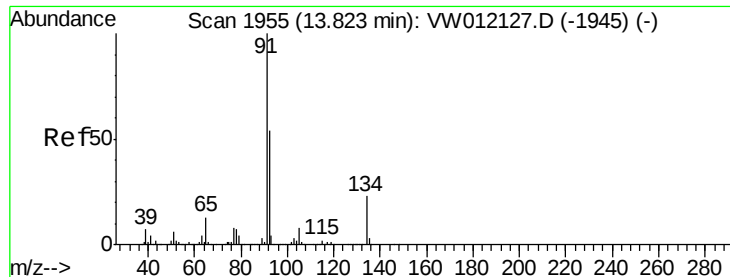
Tot Ion:146 Resp: 103347
 Ion Ratio Lower Upper
 146 100
 111 42.1 20.9 62.7
 148 63.2 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 20.112 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012226.D
 Acq: 27 Aug 2019 23:21

Tgt Ion:146 Resp: 102872
 Ion Ratio Lower Upper
 146 100
 111 41.2 20.0 60.0
 148 64.6 32.1 96.3





#89

n-Butylbenzene

Concen: 18.976 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012226.D

Acq: 27 Aug 2019 23:21

Instrument :

MSVOA_W

ClientSampled :

VW0827SBS02

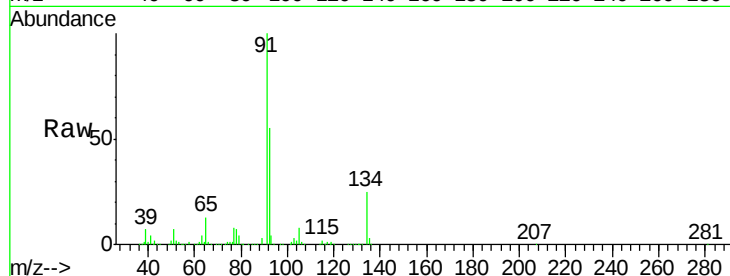
Tot Ion: 91 Resp: 208050

Ion Ratio Lower Upper

91 100

92 54.3 27.1 81.2

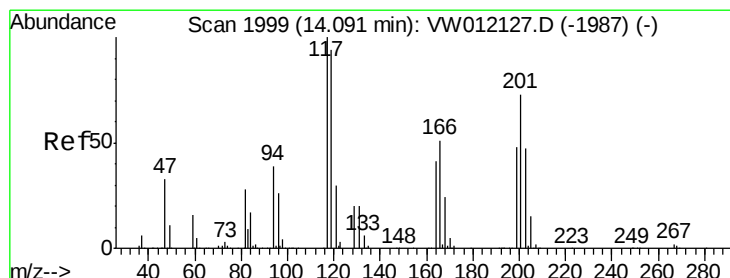
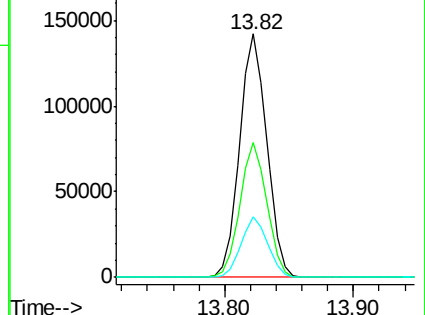
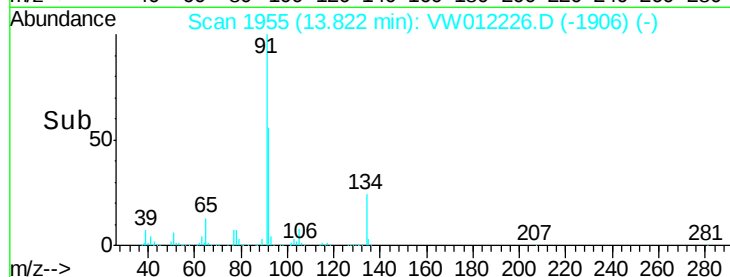
134 24.1 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 19.742 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW012226.D

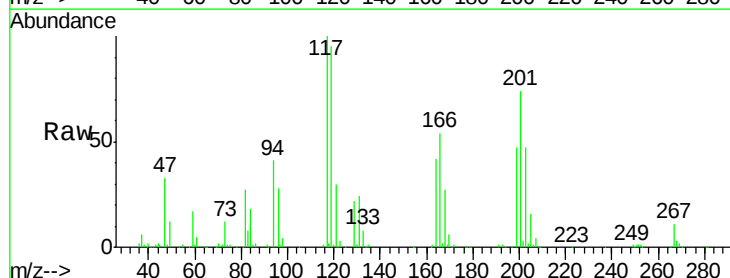
Acq: 27 Aug 2019 23:21

Tgt Ion: 117 Resp: 38187

Ion Ratio Lower Upper

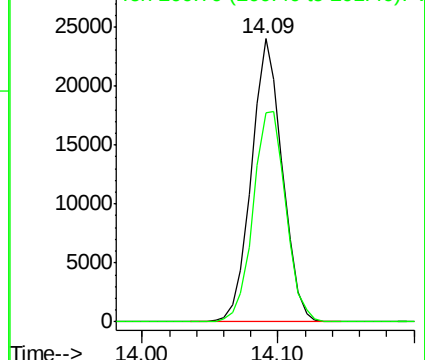
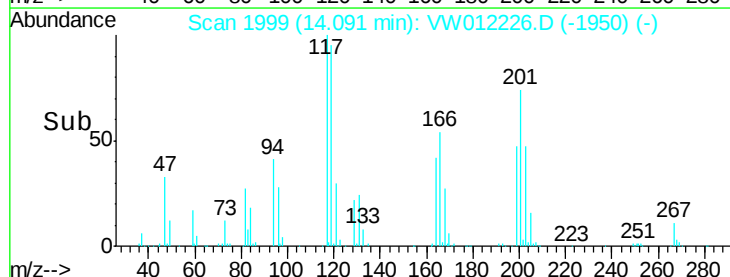
117 100

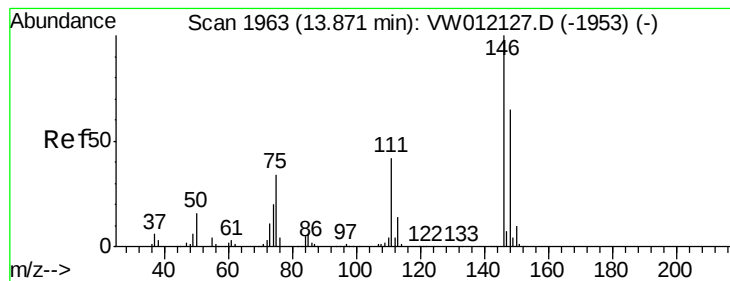
201 78.8 38.6 115.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 20.525 ug/l

RT: 13.87 min Scan# 1962

Delta R.T. -0.01 min

Lab File: VW012226.D

Acq: 27 Aug 2019 23:21

Instrument :

MSVOA_W

ClientSampleId :

VW0827SBSD02

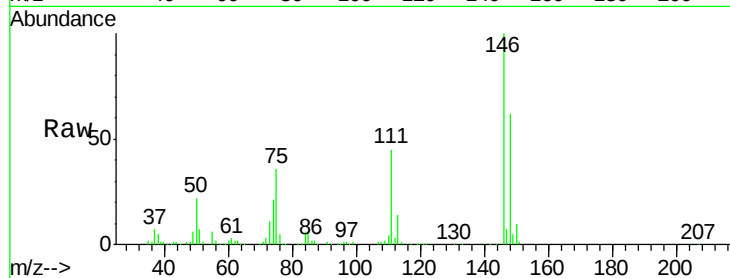
Tot Ion:146 Resp: 92757

Ion Ratio Lower Upper

146 100

111 43.6 21.2 63.6

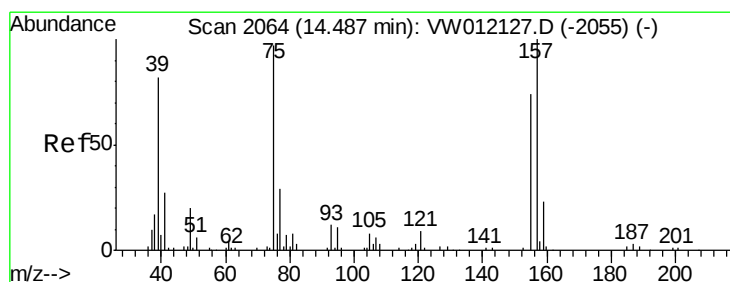
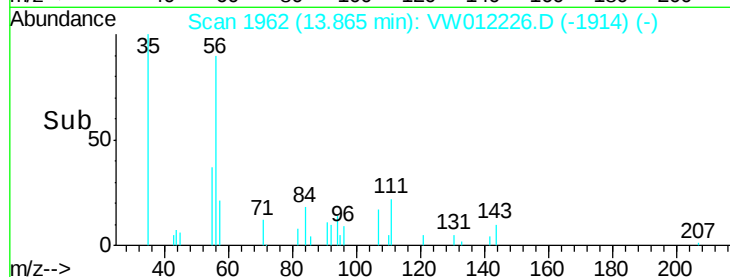
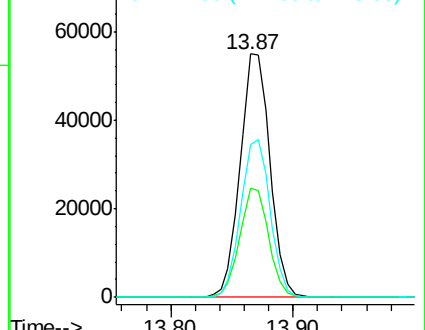
148 64.1 32.5 97.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.427 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. -0.01 min

Lab File: VW012226.D

Acq: 27 Aug 2019 23:21

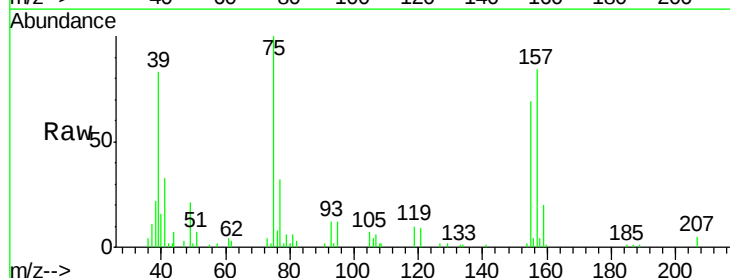
Tgt Ion: 75 Resp: 8062

Ion Ratio Lower Upper

75 100

155 74.8 37.5 112.3

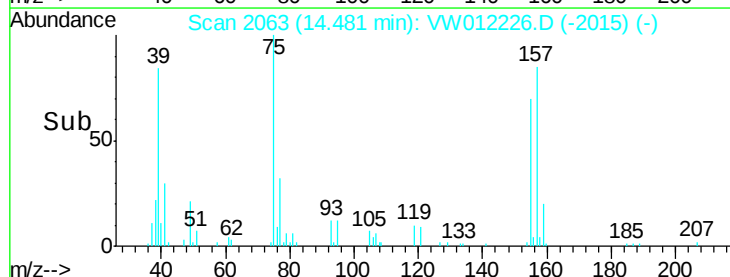
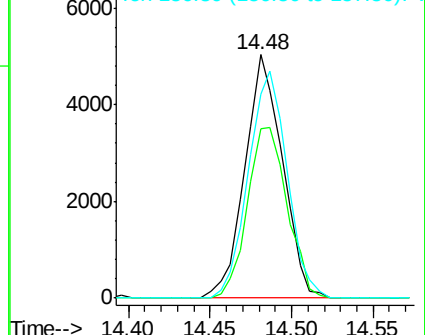
157 96.4 50.5 151.5

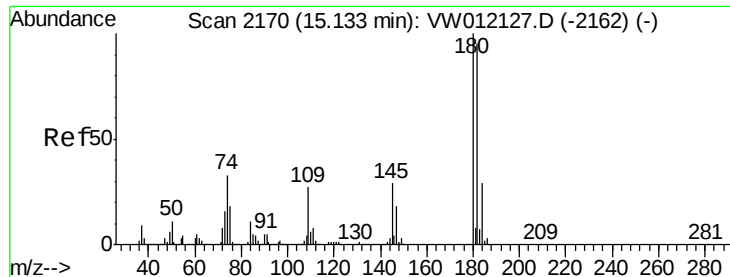


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

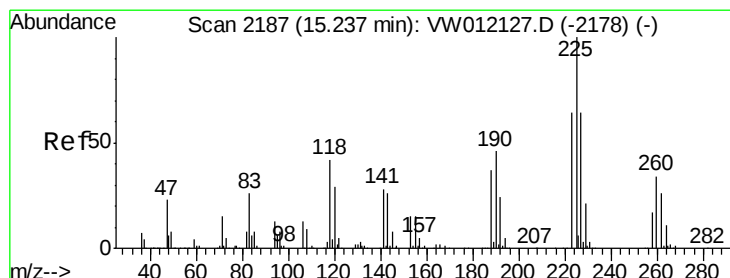
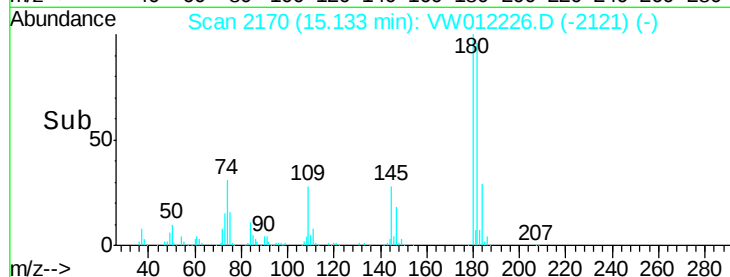
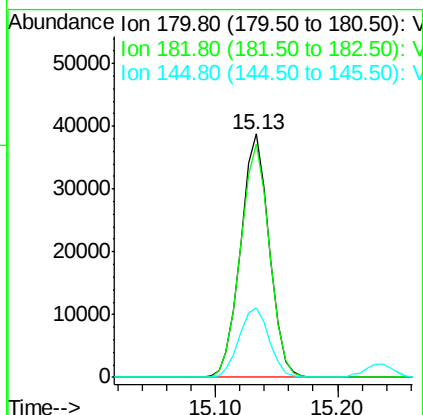
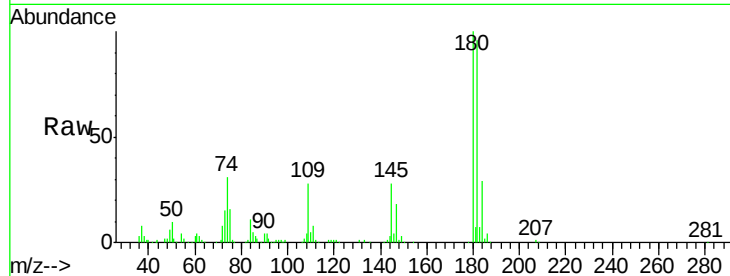




#93
 1,2,4-Trichlorobenzene
 Concen: 20.141 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012226.D
 Acq: 27 Aug 2019 23:21

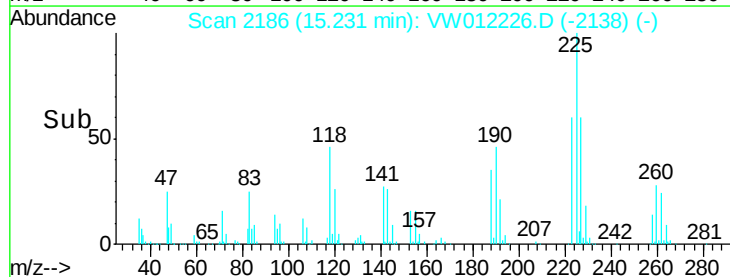
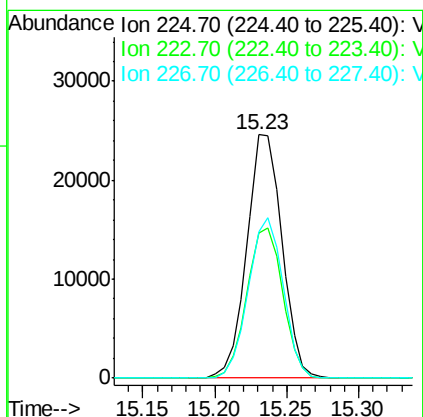
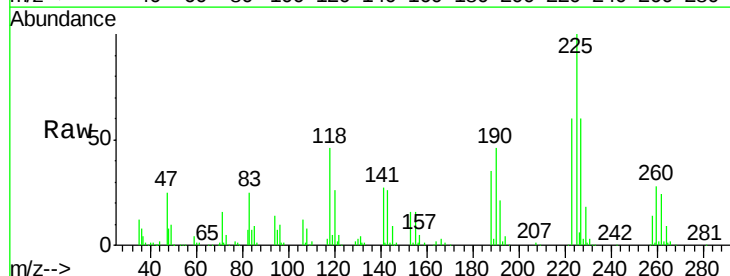
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0827SBSD02

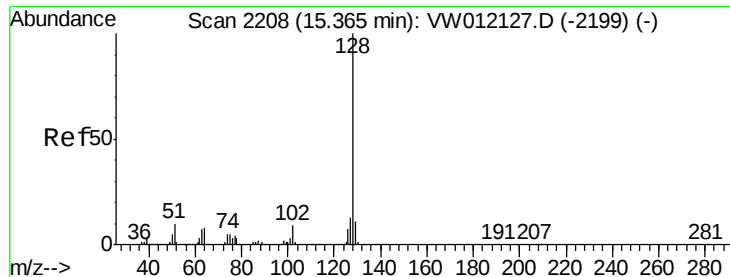
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.3	47.8	143.4
145	30.1	15.0	45.1



#94
 Hexachlorobutadiene
 Concen: 20.139 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VW012226.D
 Acq: 27 Aug 2019 23:21

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	32.3	96.8
227	65.1	32.9	98.6

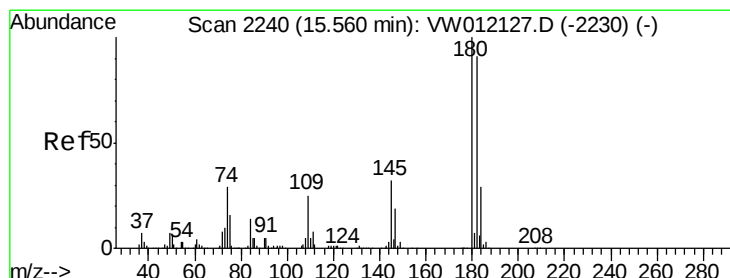
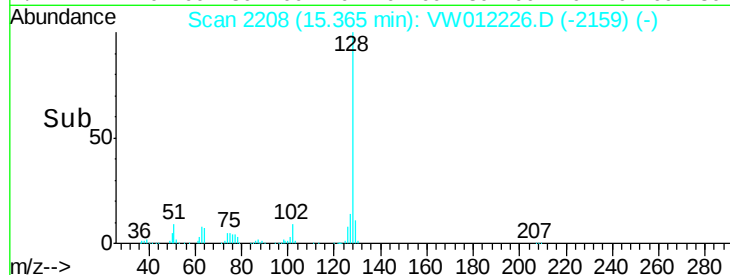
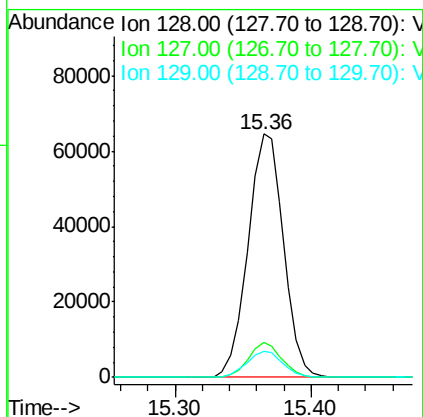
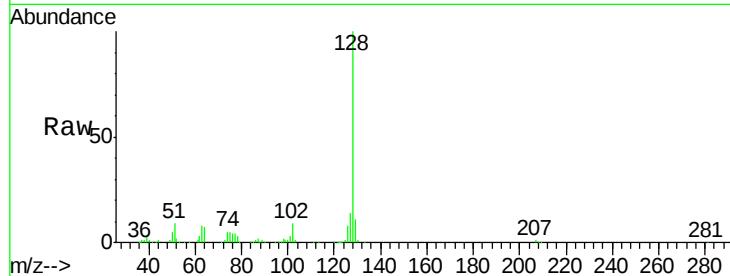




#95
Naphthalene
Concen: 21.922 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012226.D
Acq: 27 Aug 2019 23:21

Instrument :
MSVOA_W
ClientSampleId :
VW0827SBSD02

Tot Ion:128 Resp: 118064
Ion Ratio Lower Upper
128 100
127 13.4 10.7 16.1
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 21.353 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012226.D
Acq: 27 Aug 2019 23:21

Tgt Ion:180 Resp: 58181
Ion Ratio Lower Upper
180 100
182 94.2 47.1 141.3
145 31.5 16.2 48.5

