

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082119\
 Data File : VW012077.D
 Acq On : 21 Aug 2019 18:34
 Operator : SY/VA
 Sample : VW0821SBSD02
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0821SBSD02

Quant Time: Aug 22 05:17:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	239613	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	386074	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	335825	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	163741	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	139852	50.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.66%	
35) Dibromofluoromethane	7.88	113	113787	52.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.06%	
50) Toluene-d8	10.32	98	461886	52.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.16%	
62) 4-Bromofluorobenzene	12.62	95	166009	52.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	30944	23.172	ug/l	98
3) Chloromethane	2.21	50	49591	21.416	ug/l	100
4) Vinyl Chloride	2.36	62	59176	21.227	ug/l	96
5) Bromomethane	2.76	94	30337	19.660	ug/l	100
6) Chloroethane	2.91	64	33036	20.745	ug/l	96
7) Trichlorofluoromethane	3.25	101	26323	21.127	ug/l	100
8) Diethyl Ether	3.68	74	29639	20.981	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	52079	22.035	ug/l	99
10) Methyl Iodide	4.28	142	70131	20.997	ug/l	100
11) Tert butyl alcohol	5.18	59	19507	84.245	ug/l	98
12) 1,1-Dichloroethene	4.04	96	52407	21.001	ug/l	97
13) Acrolein	3.89	56	10577	53.575	ug/l	92
14) Allyl chloride	4.67	41	105744	19.923	ug/l	99
15) Acrylonitrile	5.37	53	74580	105.761	ug/l	99
16) Acetone	4.12	43	67730	77.386	ug/l	99
17) Carbon Disulfide	4.38	76	146260	18.726	ug/l	99
18) Methyl Acetate	4.67	43	42141	21.433	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	86749	21.906	ug/l	100
20) Methylene Chloride	4.92	84	59841	19.825	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	56167	20.877	ug/l	99
22) Diisopropyl ether	6.31	45	212764	21.262	ug/l	94
23) Vinyl Acetate	6.25	43	650430	103.443	ug/l	99
24) 1,1-Dichloroethane	6.21	63	114114	21.293	ug/l	98
25) 2-Butanone	7.17	43	106078	92.624	ug/l	97
26) 2,2-Dichloropropane	7.17	77	62448	18.947	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	62060	20.959	ug/l	97
28) Bromochloromethane	7.51	49	50388	21.182	ug/l	100
29) Tetrahydrofuran	7.53	42	69233	105.758	ug/l	99
30) Chloroform	7.67	83	104831	21.202	ug/l	99
31) Cyclohexane	7.95	56	107064	20.811	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	81012	21.515	ug/l	99
36) 1,1-Dichloropropene	8.08	75	86488	21.544	ug/l	99
37) Ethyl Acetate	7.25	43	48161	20.852	ug/l	99
38) Carbon Tetrachloride	8.07	117	74538	21.689	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	95325	21.565	ug/l	99
40) Benzene	8.32	78	237960	21.162	ug/l	99
41) Methacrylonitrile	7.48	41	28457	20.612	ug/l	97
42) 1,2-Dichloroethane	8.40	62	75246	21.373	ug/l	98
43) Isopropyl Acetate	8.42	43	91082	21.443	ug/l	99
44) Trichloroethene	9.09	130	58332	21.583	ug/l	100
45) 1,2-Dichloropropane	9.37	63	63962	21.259	ug/l	97
46) Dibromomethane	9.46	93	28964	21.092	ug/l	99
47) Bromodichloromethane	9.65	83	74806	20.767	ug/l	98
48) Methyl methacrylate	9.43	41	42259	20.711	ug/l	96
49) 1,4-Dioxane	9.45	88	8572	431.110	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	234540	106.157	ug/l	100
52) Toluene	10.39	92	145469	21.422	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	76768	20.401	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	93928	20.994	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	41392	21.244	ug/l	98
56) Ethyl methacrylate	10.65	69	61422	21.543	ug/l	99
57) 1,3-Dichloropropane	10.93	76	78414	21.272	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	157010	121.286	ug/l	100
59) 2-Hexanone	10.97	43	161214	103.345	ug/l	99
60) Dibromochloromethane	11.13	129	45688	21.125	ug/l	98
61) 1,2-Dibromoethane	11.24	107	38992	21.147	ug/l	98
64) Tetrachloroethene	10.86	164	47725	21.826	ug/l	98
65) Chlorobenzene	11.66	112	146044	21.631	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	50733	21.572	ug/l	99
67) Ethyl Benzene	11.73	91	279582	21.742	ug/l	99
68) m/p-Xylenes	11.84	106	202850	43.378	ug/l	99
69) o-Xylene	12.16	106	95886	22.065	ug/l	100
70) Styrene	12.18	104	163314	21.736	ug/l	100
71) Bromoform	12.35	173	25755	21.479	ug/l #	97
73) Isopropylbenzene	12.46	105	268554	21.985	ug/l	99
74) N-amyl acetate	12.27	43	82090	21.465	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	50395	21.933	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	66409	38.330	ug/l #	100
77) Bromobenzene	12.75	156	58524	21.676	ug/l	99
78) n-propylbenzene	12.80	91	322592	21.700	ug/l	99
79) 2-Chlorotoluene	12.89	91	184325	21.522	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	223951	21.871	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	15716	20.905	ug/l	97
82) 4-Chlorotoluene	12.99	91	193457	21.529	ug/l	99
83) tert-Butylbenzene	13.21	119	191076	22.315	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	223410	21.659	ug/l	99
85) sec-Butylbenzene	13.38	105	270958	22.177	ug/l	100
86) p-Isopropyltoluene	13.50	119	241162	21.754	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	111989	21.154	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	110601	21.001	ug/l	97
89) n-Butylbenzene	13.82	91	237495	21.468	ug/l	99
90) Hexachloroethane	14.09	117	41015	20.923	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	100707	21.508	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8463	21.599	ug/l	97

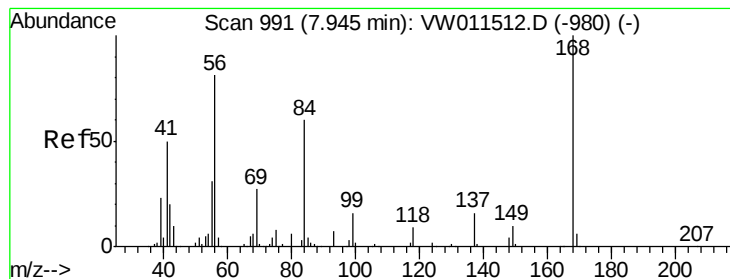
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW082119\
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Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	69569	21.082	ug/l	99
94) Hexachlorobutadiene	15.24	225	45647	22.181	ug/l	99
95) Naphthalene	15.36	128	126416	20.814	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	62743	21.691	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012077.D

Acq: 21 Aug 2019 18:34

Instrument :

MSVOA_W

ClientSampleId :

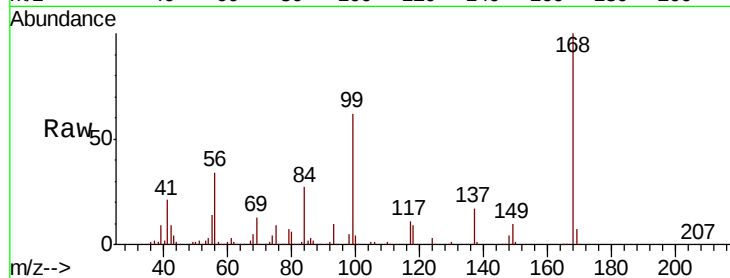
VW0821SBSD02

Tgt Ion:168 Resp: 239613

Ion Ratio Lower Upper

168 100

99 62.1 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VW011512.D (-980) (-)

Ion 98.90 (98.60 to 99.60): VW012077.D (-942) (-)

7.95

120000

100000

80000

60000

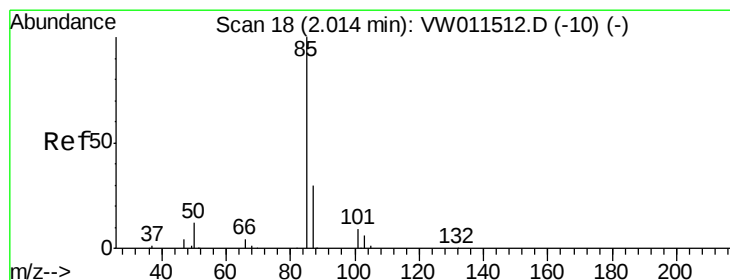
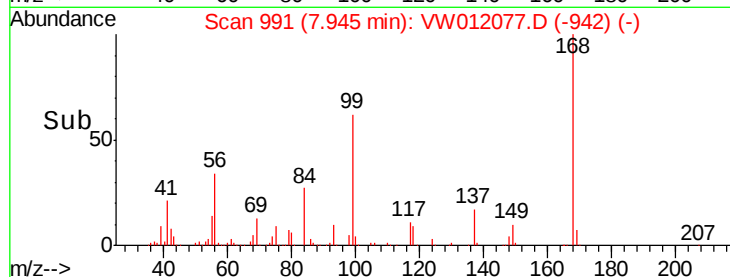
40000

20000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 23.172 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW012077.D

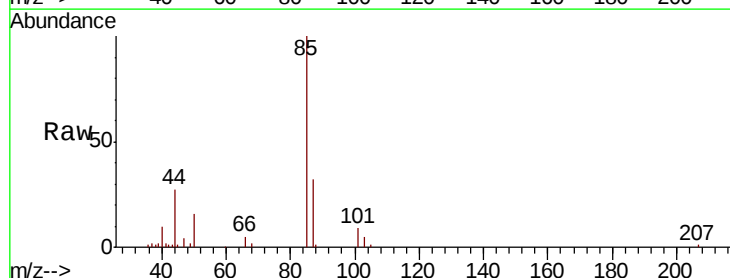
Acq: 21 Aug 2019 18:34

Tgt Ion: 85 Resp: 30944

Ion Ratio Lower Upper

85 100

87 31.6 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW011512.D (-10) (-)

Ion 86.90 (86.60 to 87.60): VW012077.D (-1) (-)

2.01

12000

10000

8000

6000

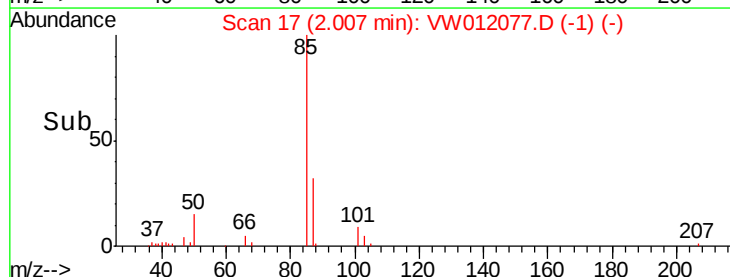
4000

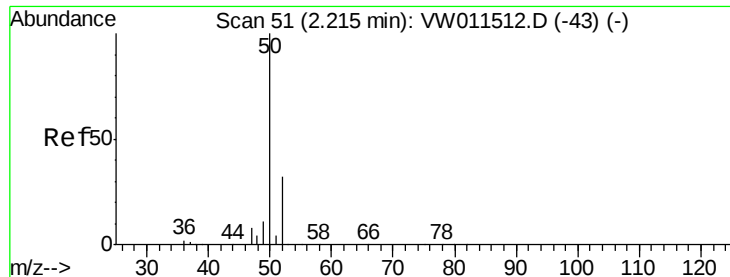
2000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 21.416 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW012077.D

Acq: 21 Aug 2019 18:34

Instrument :

MSVOA_W

ClientSampleId :

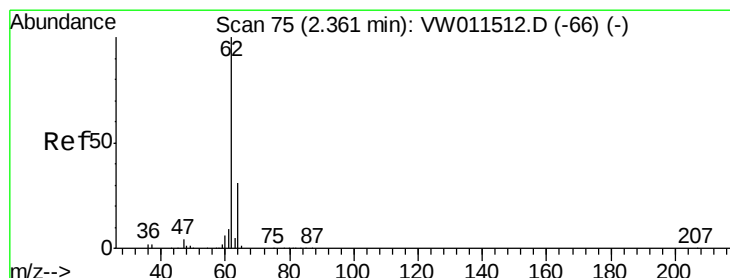
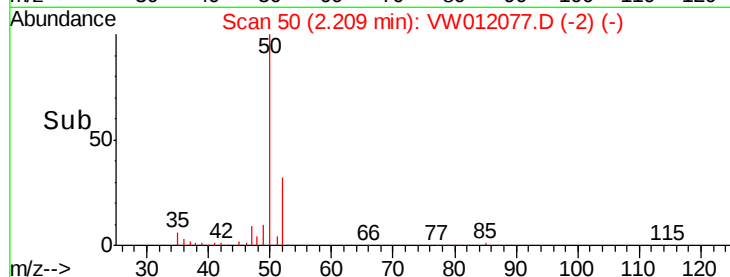
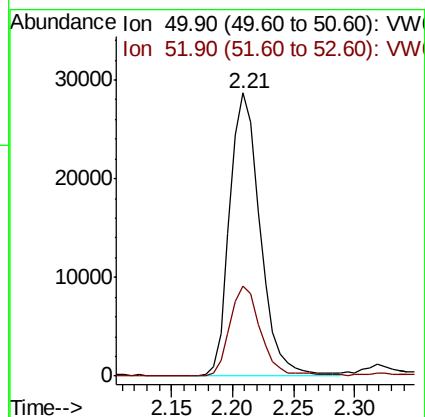
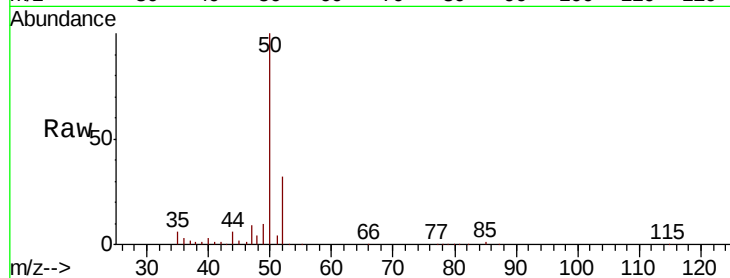
VW0821SBSD02

Tgt Ion: 50 Resp: 49591

Ion Ratio Lower Upper

50 100

52 31.7 25.4 38.2



#4

Vinyl Chloride

Concen: 21.227 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012077.D

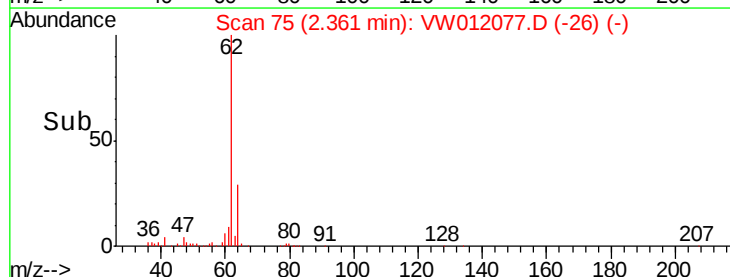
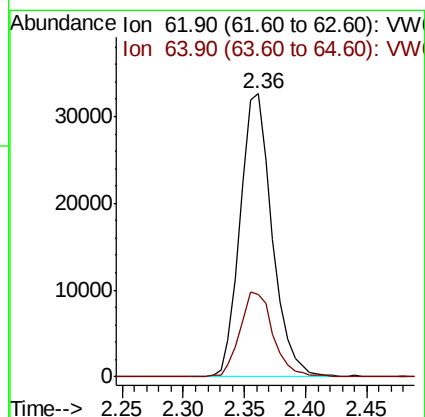
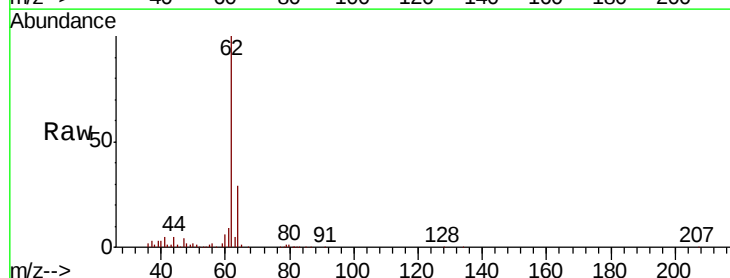
Acq: 21 Aug 2019 18:34

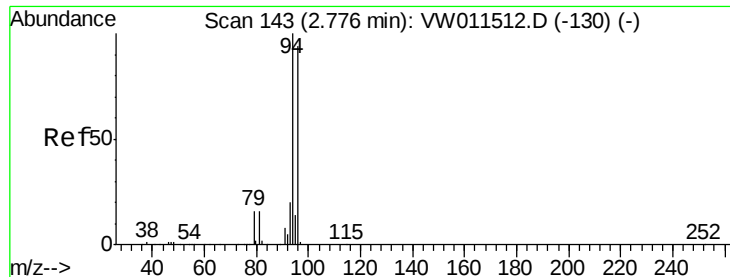
Tgt Ion: 62 Resp: 59176

Ion Ratio Lower Upper

62 100

64 29.0 25.0 37.4





#5

Bromomethane

Concen: 19.660 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW012077.D

Acq: 21 Aug 2019 18:34

Instrument :

MSVOA_W

ClientSampleId :

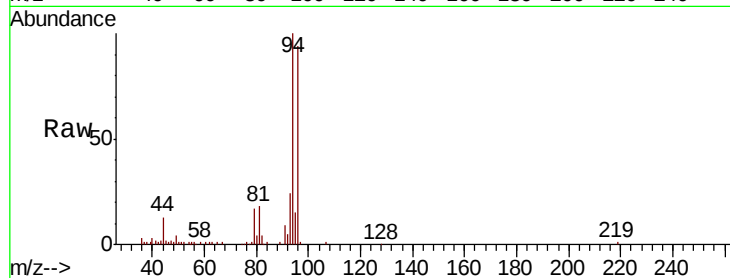
VW0821SBSD02

Tgt Ion: 94 Resp: 30337

Ion Ratio Lower Upper

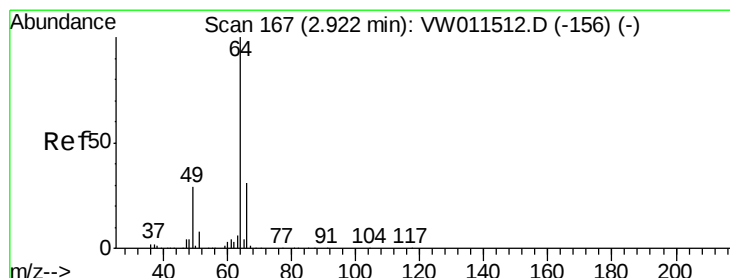
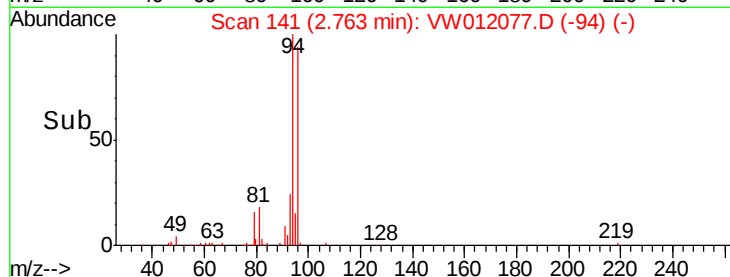
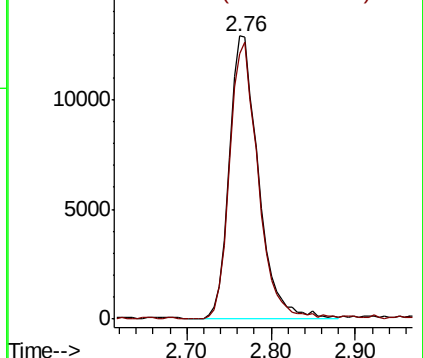
94 100

96 94.0 75.0 112.6



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 20.745 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW012077.D

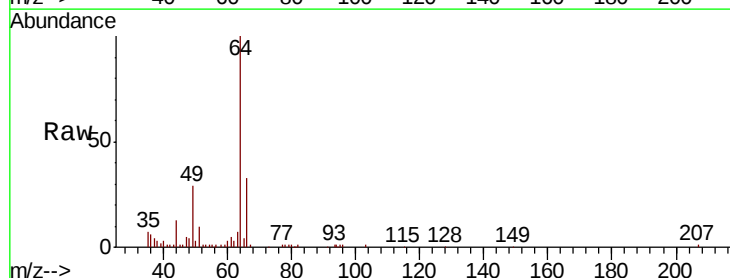
Acq: 21 Aug 2019 18:34

Tgt Ion: 64 Resp: 33036

Ion Ratio Lower Upper

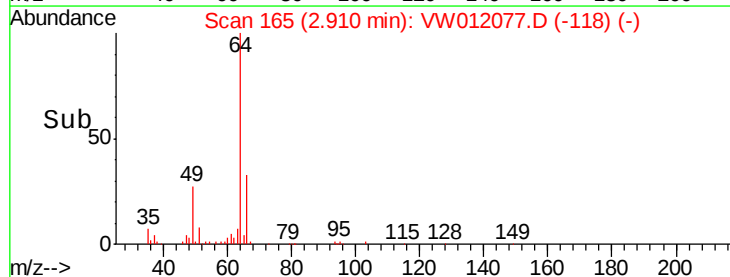
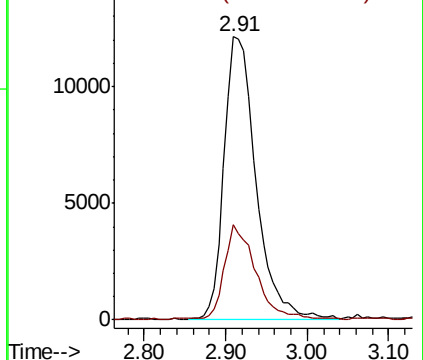
64 100

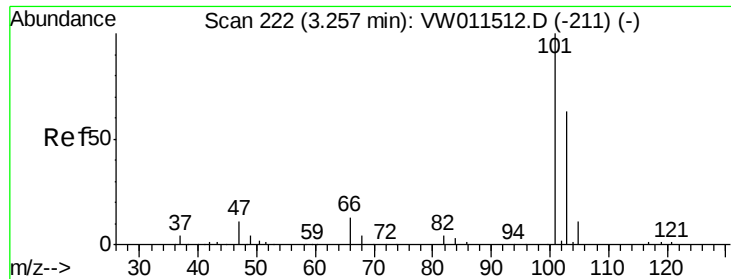
66 32.9 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



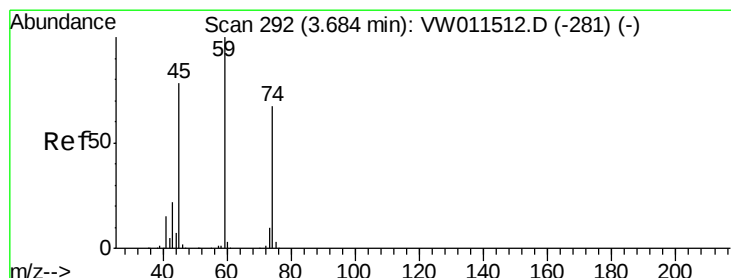
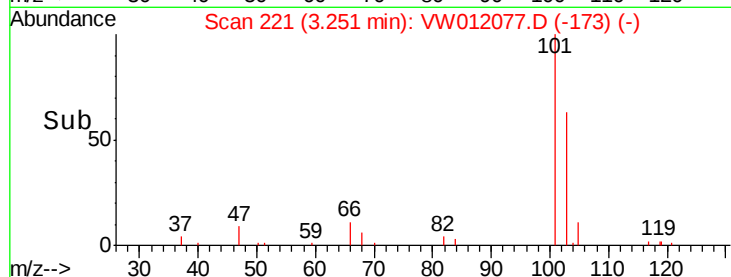
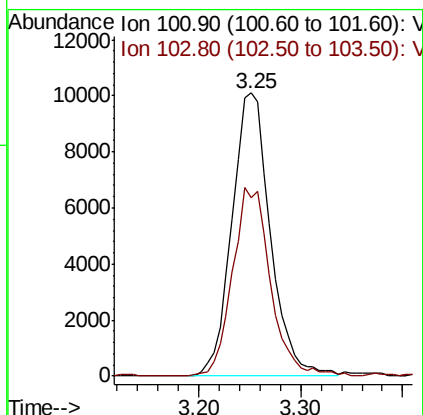
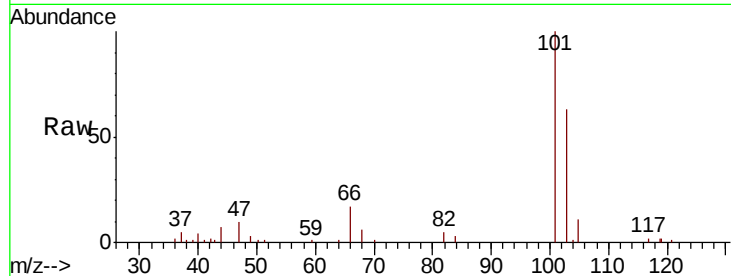


#7

Trichlorofluoromethane
 Concen: 21.127 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW012077.D
 Acq: 21 Aug 2019 18:34

Instrument :
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 VW0821SBSD02

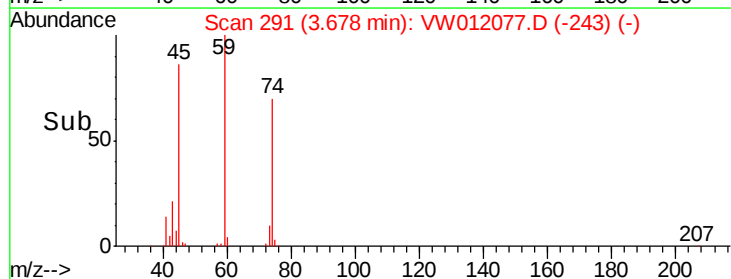
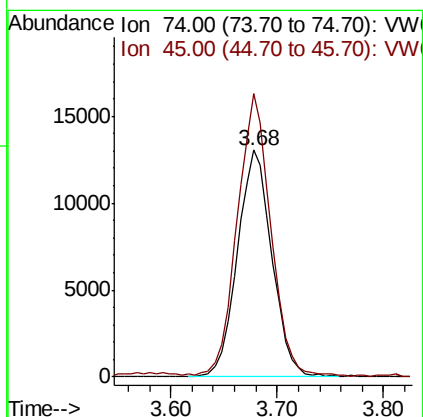
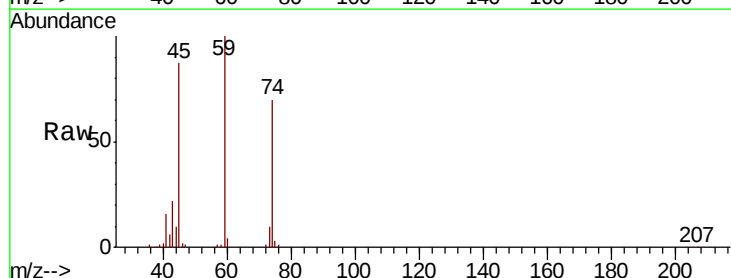
Tgt Ion:101 Resp: 26323
 Ion Ratio Lower Upper
 101 100
 103 63.0 50.2 75.4

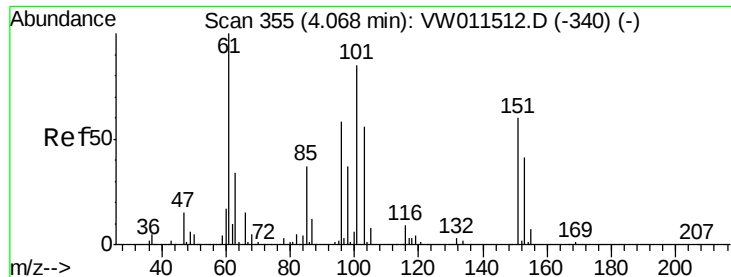


#8

Diethyl Ether
 Concen: 20.981 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW012077.D
 Acq: 21 Aug 2019 18:34

Tgt Ion: 74 Resp: 29639
 Ion Ratio Lower Upper
 74 100
 45 122.5 59.6 178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.035 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012077.D

Acq: 21 Aug 2019 18:34

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBSD02

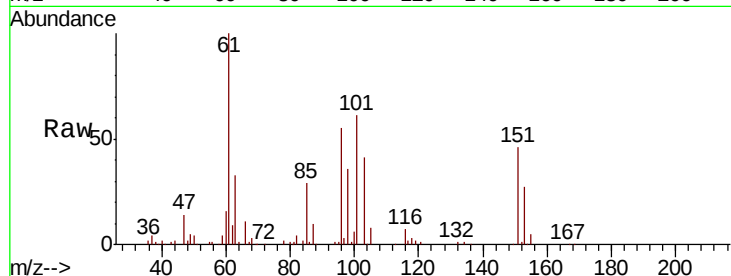
Tgt Ion:101 Resp: 52079

Ion Ratio Lower Upper

101 100

85 45.3 36.6 54.8

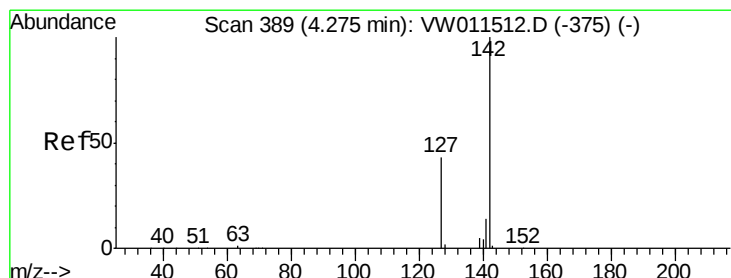
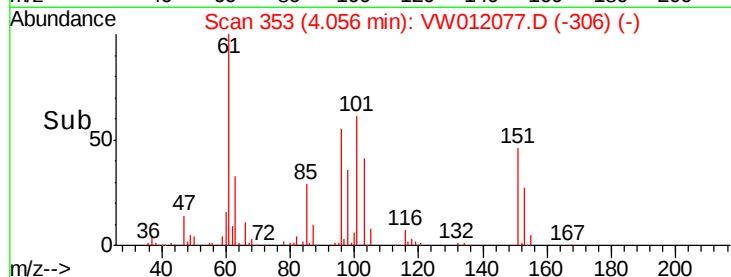
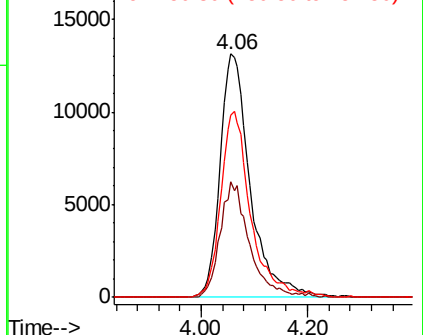
151 75.8 60.2 90.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.997 ug/l

RT: 4.28 min Scan# 389

Delta R.T. -0.00 min

Lab File: VW012077.D

Acq: 21 Aug 2019 18:34

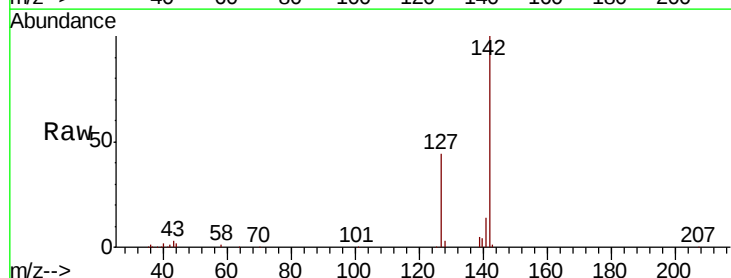
Tgt Ion:142 Resp: 70131

Ion Ratio Lower Upper

142 100

127 43.8 35.0 52.6

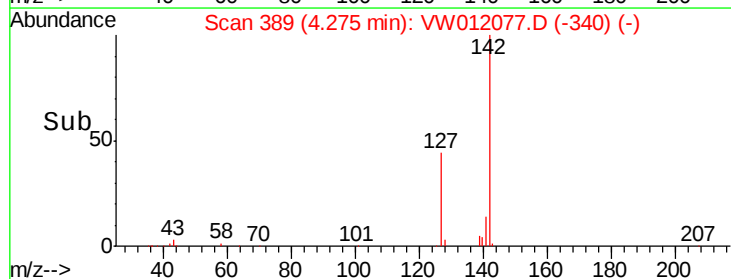
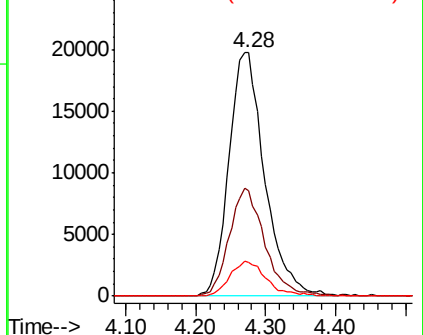
141 14.5 11.9 17.9

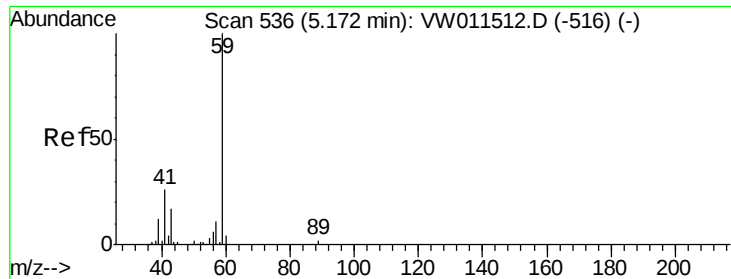


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



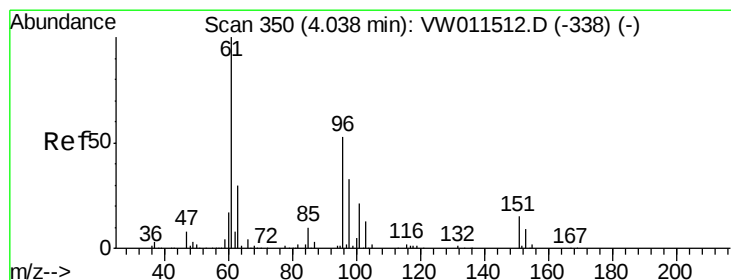
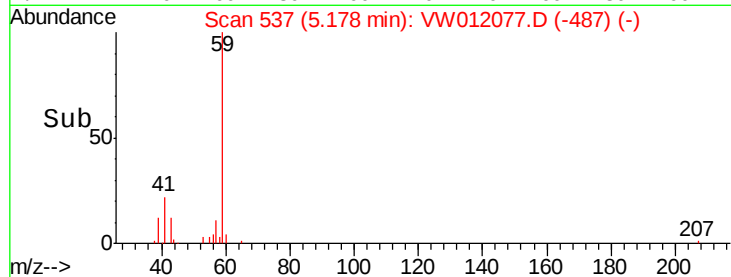
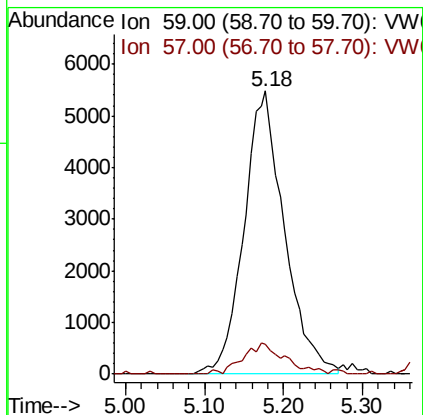
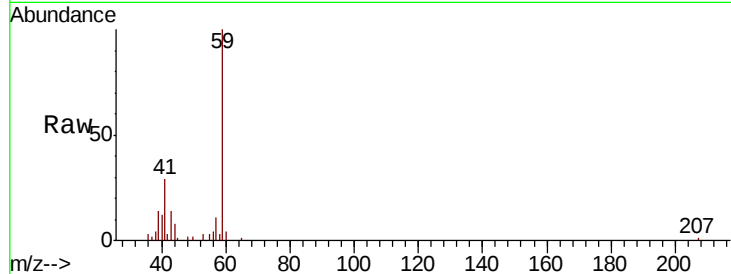


#11

Tert butyl alcohol
 Concen: 84.245 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VW012077.D
 Acq: 21 Aug 2019 18:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0821SBSD02

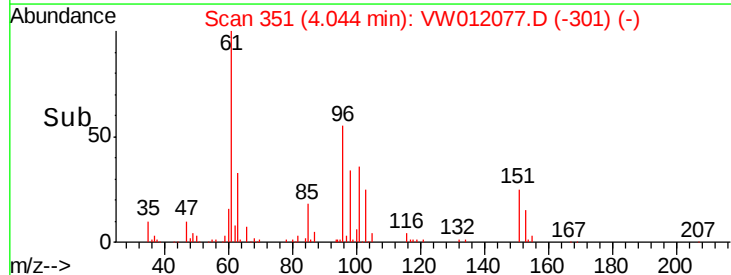
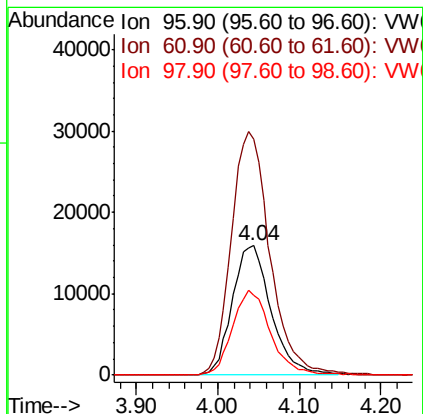
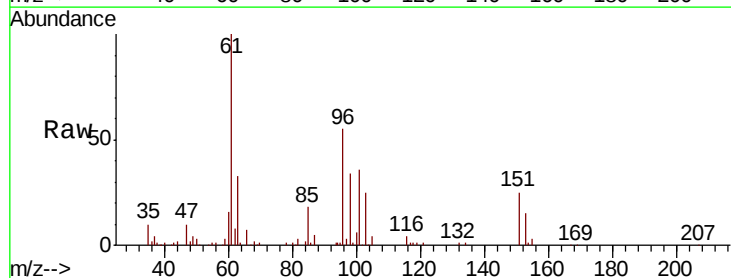
Tgt Ion: 59 Resp: 19507
 Ion Ratio Lower Upper
 59 100
 57 11.4 8.5 12.7

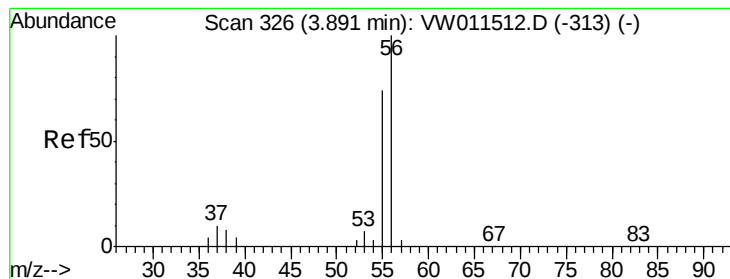


#12

1,1-Dichloroethene
 Concen: 21.001 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. 0.01 min
 Lab File: VW012077.D
 Acq: 21 Aug 2019 18:34

Tgt Ion: 96 Resp: 52407
 Ion Ratio Lower Upper
 96 100
 61 182.9 149.9 224.9
 98 62.1 49.1 73.7





#13

Acrolein

Concen: 53.575 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW012077.D

Acq: 21 Aug 2019 18:34

Instrument :

MSVOA_W

ClientSampleId :

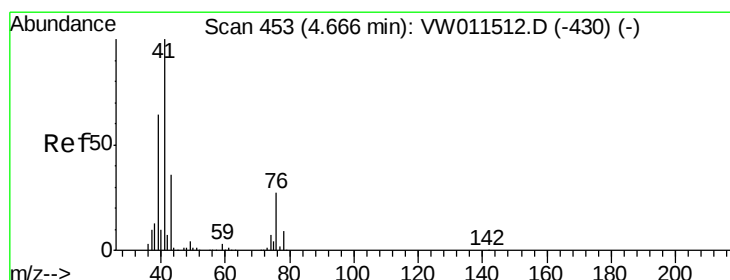
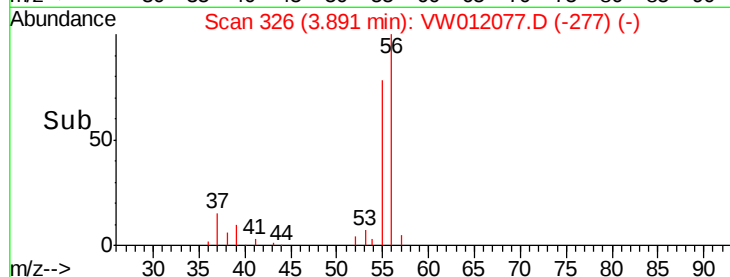
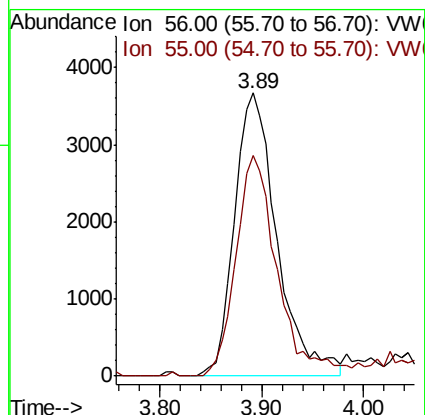
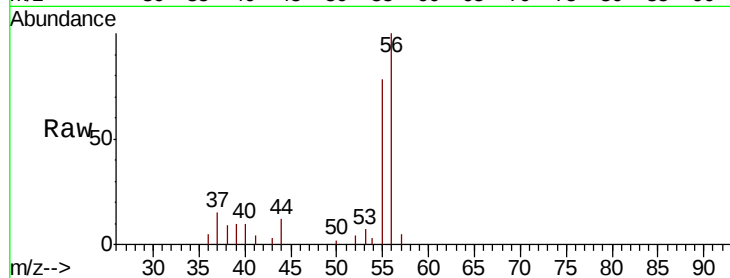
VW0821SBSD02

Tgt Ion: 56 Resp: 10577

Ion Ratio Lower Upper

56 100

55 76.3 56.0 84.0



#14

Allyl chloride

Concen: 19.923 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012077.D

Acq: 21 Aug 2019 18:34

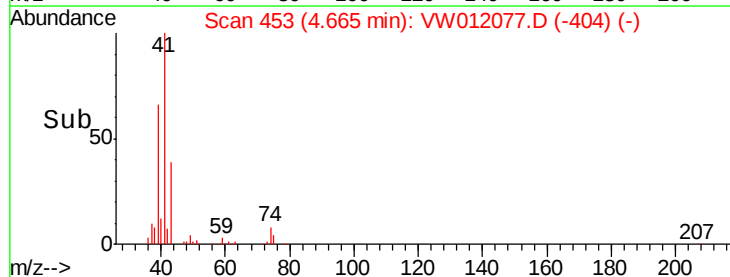
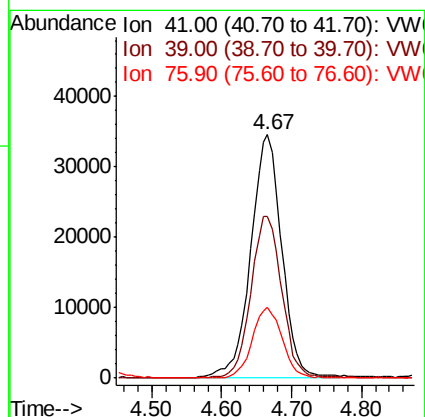
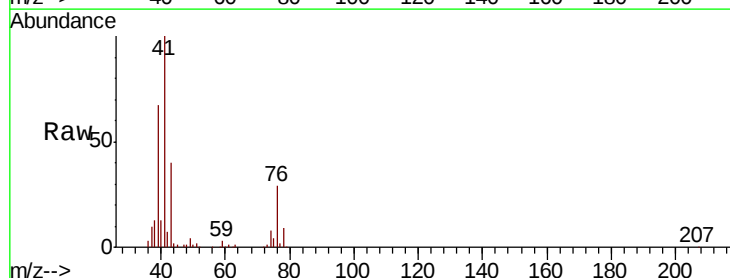
Tgt Ion: 41 Resp: 105744

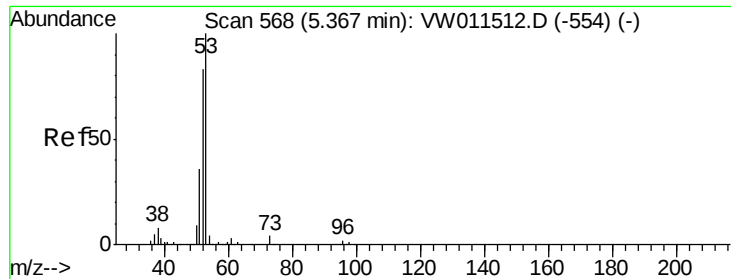
Ion Ratio Lower Upper

41 100

39 66.8 52.6 78.8

76 28.4 22.0 33.0





#15

Acrylonitrile

Concen: 105.761 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012077.D

Acq: 21 Aug 2019 18:34

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBSD02

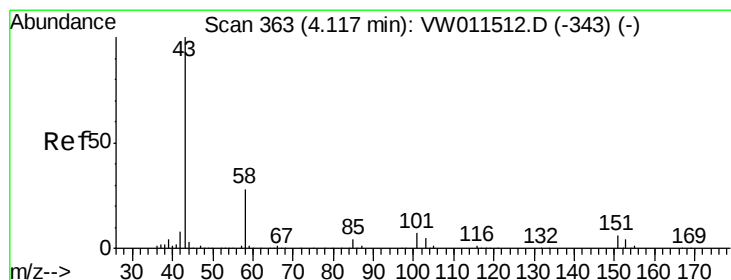
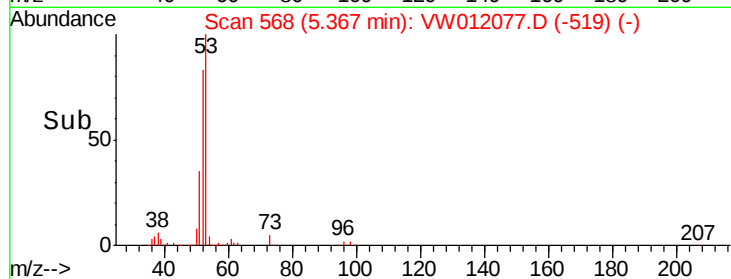
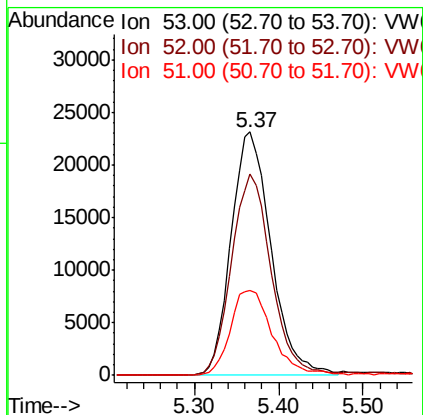
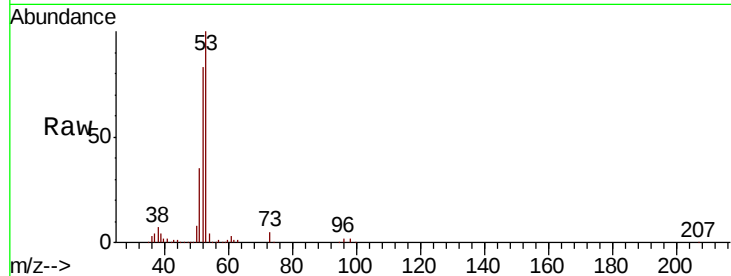
Tgt Ion: 53 Resp: 74580

Ion Ratio Lower Upper

53 100

52 82.7 67.2 100.8

51 36.7 30.0 45.0



#16

Acetone

Concen: 77.386 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW012077.D

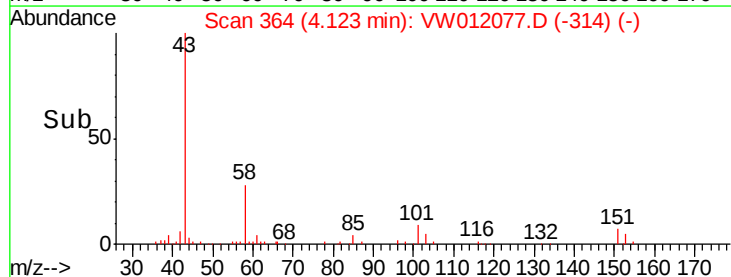
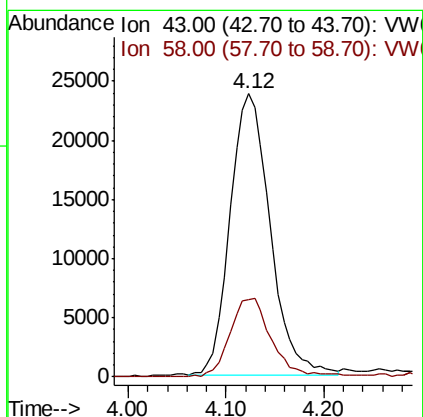
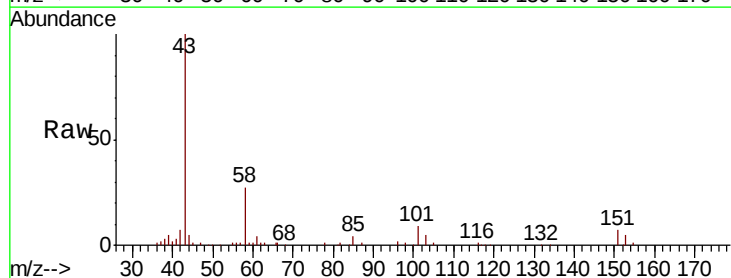
Acq: 21 Aug 2019 18:34

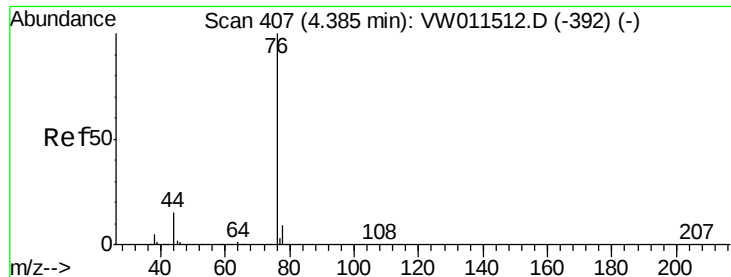
Tgt Ion: 43 Resp: 67730

Ion Ratio Lower Upper

43 100

58 27.5 22.3 33.5





#17

Carbon Disulfide

Concen: 18.726 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW012077.D

Acq: 21 Aug 2019 18:34

Instrument :

MSVOA_W

ClientSampleId :

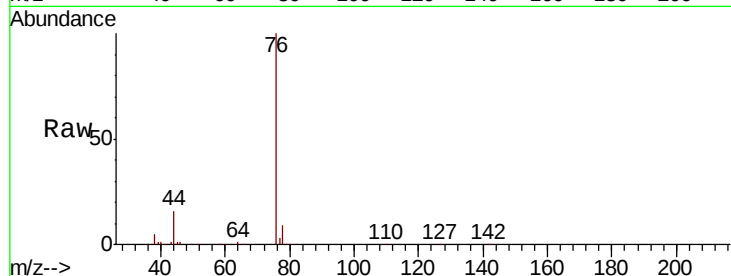
VW0821SBSD02

Tgt Ion: 76 Resp: 146260

Ion Ratio Lower Upper

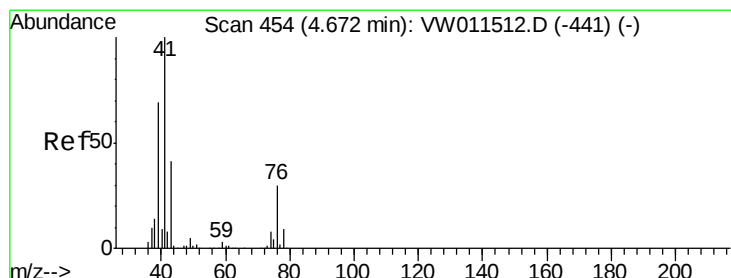
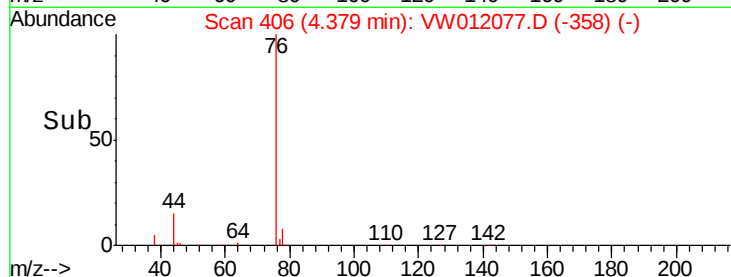
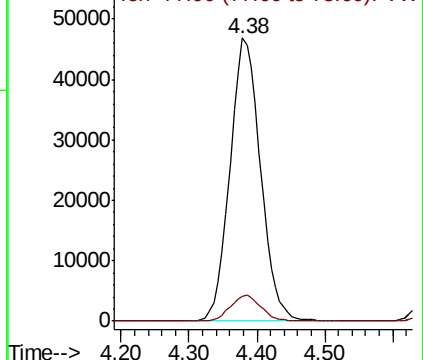
76 100

78 8.6 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 21.433 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW012077.D

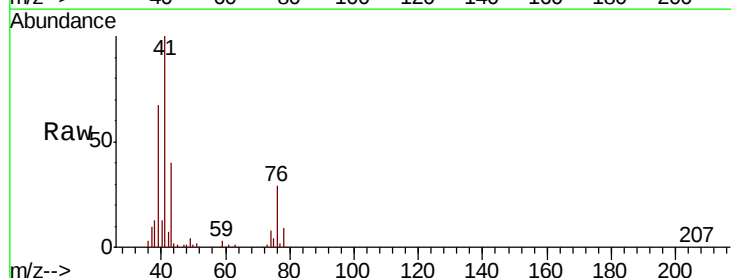
Acq: 21 Aug 2019 18:34

Tgt Ion: 43 Resp: 42141

Ion Ratio Lower Upper

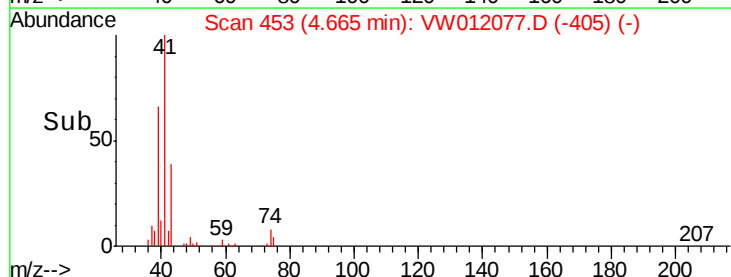
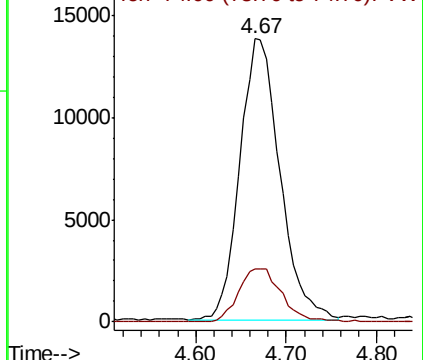
43 100

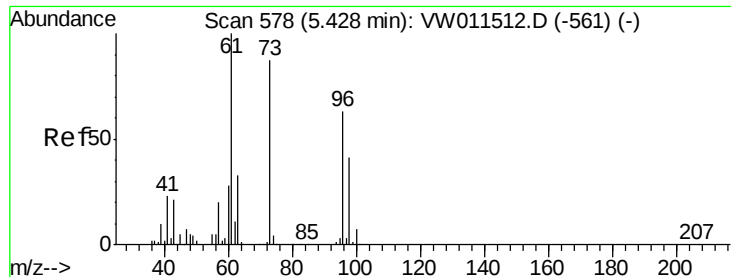
74 20.3 15.9 23.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

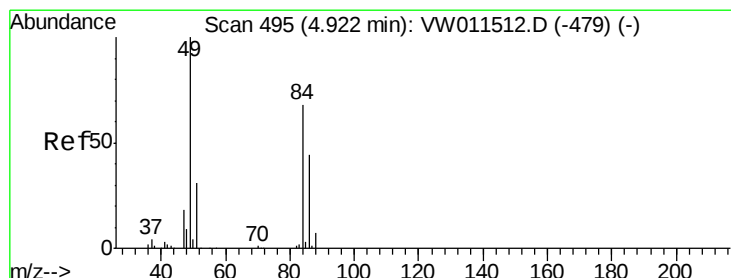
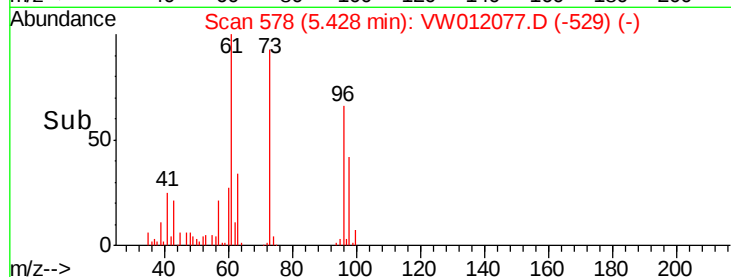
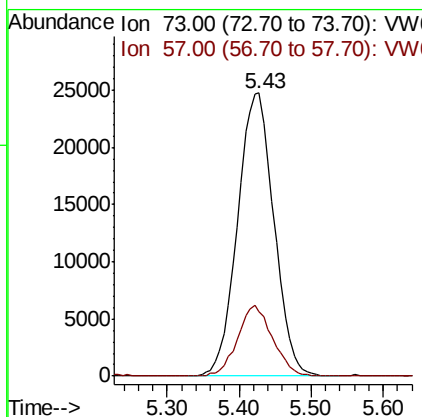
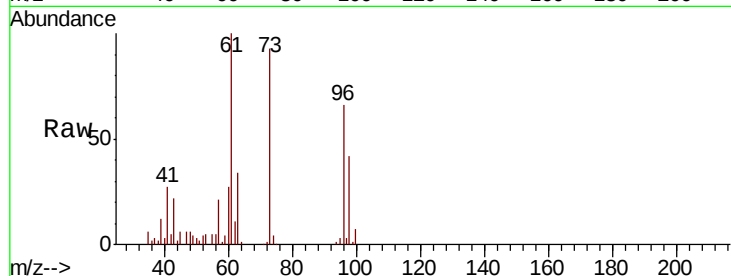




#19
Methyl tert-butyl Ether
Concen: 21.906 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW012077.D
Acq: 21 Aug 2019 18:34

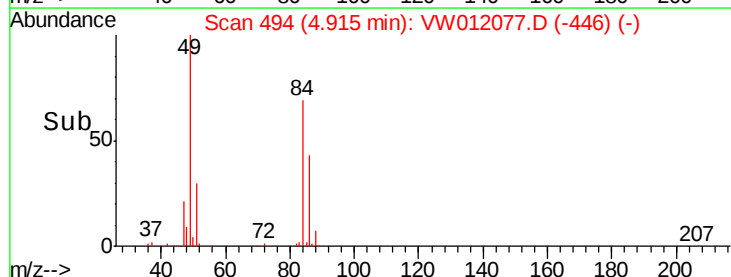
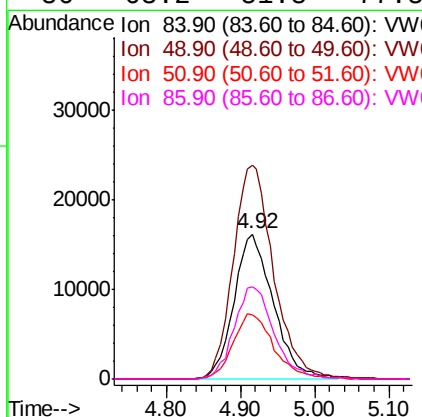
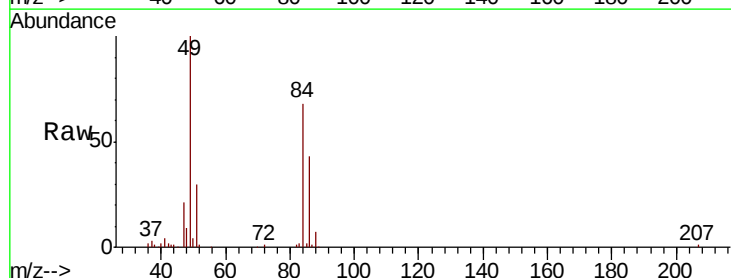
Instrument :
MSVOA_W
ClientSampleId :
VW0821SBSD02

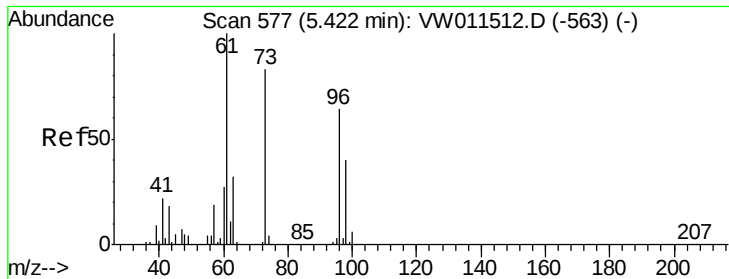
Tgt Ion: 73 Resp: 86749
Ion Ratio Lower Upper
73 100
57 23.0 18.4 27.6



#20
Methylene Chloride
Concen: 19.825 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012077.D
Acq: 21 Aug 2019 18:34

Tgt Ion: 84 Resp: 59841
Ion Ratio Lower Upper
84 100
49 147.3 117.8 176.6
51 44.6 37.0 55.4
86 63.2 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 20.877 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW012077.D

Acq: 21 Aug 2019 18:34

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBS02

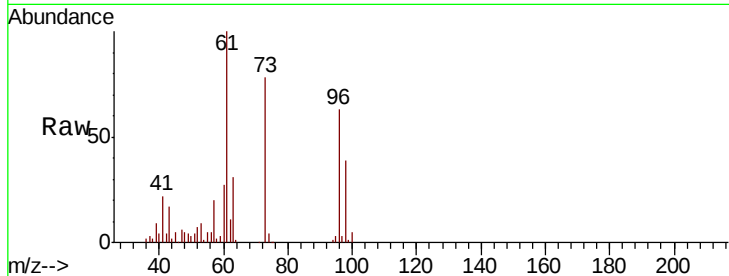
Tgt Ion: 96 Resp: 56167

Ion Ratio Lower Upper

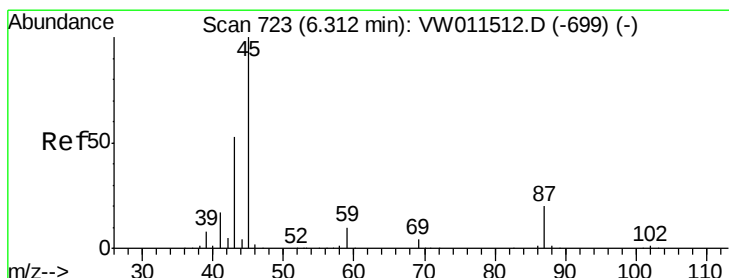
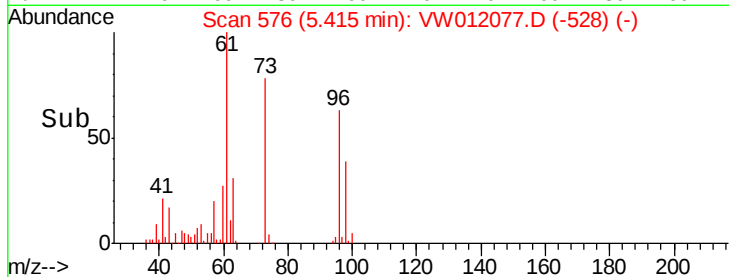
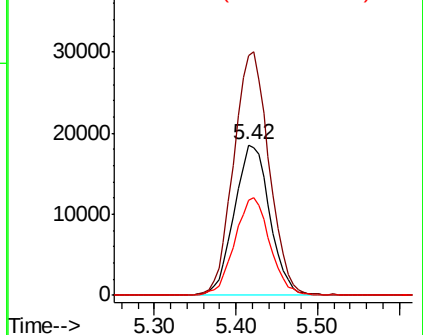
96 100

61 159.7 125.7 188.5

98 63.0 50.3 75.5



Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 21.262 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW012077.D

Acq: 21 Aug 2019 18:34

Tgt Ion: 45 Resp: 212764

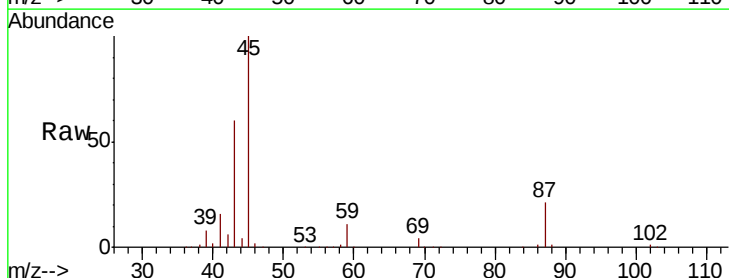
Ion Ratio Lower Upper

45 100

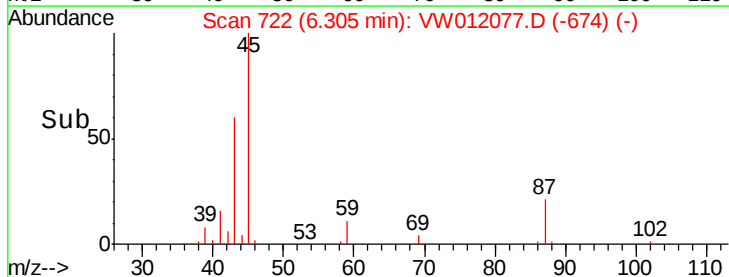
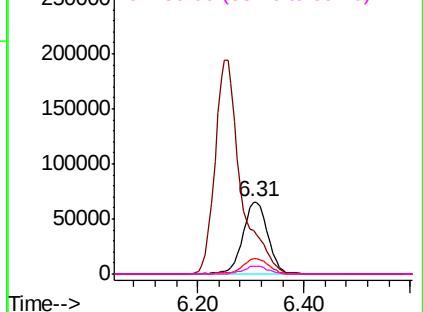
43 59.5 42.6 63.8

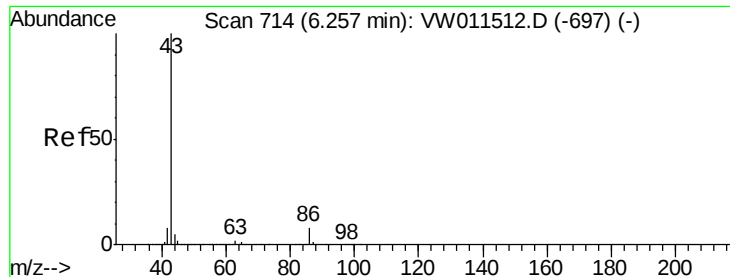
87 20.6 16.4 24.6

59 10.5 8.2 12.2



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW

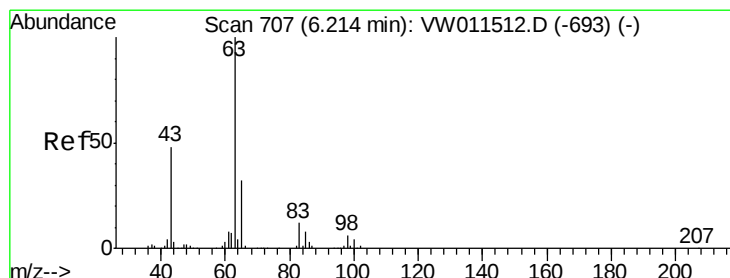
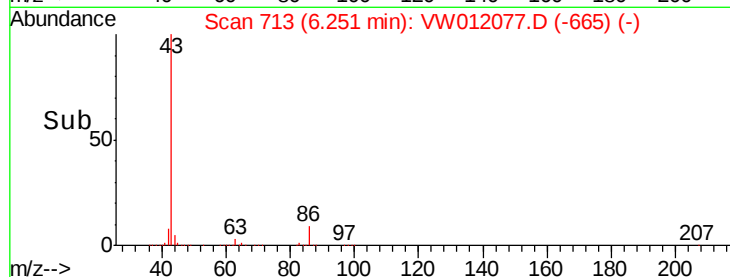
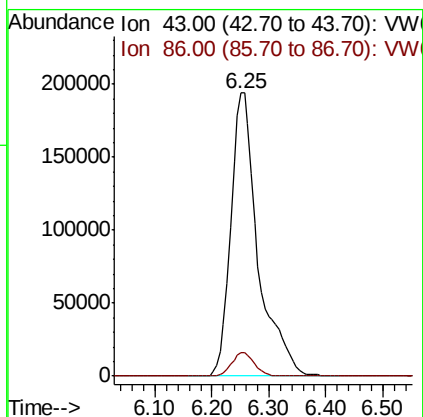
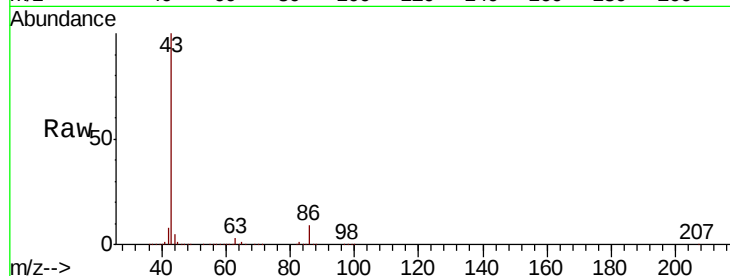




#23
 Vinyl Acetate
 Concen: 103.443 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.01 min
 Lab File: VW012077.D
 Acq: 21 Aug 2019 18:34

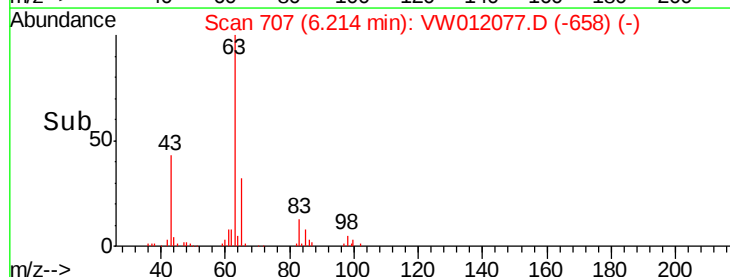
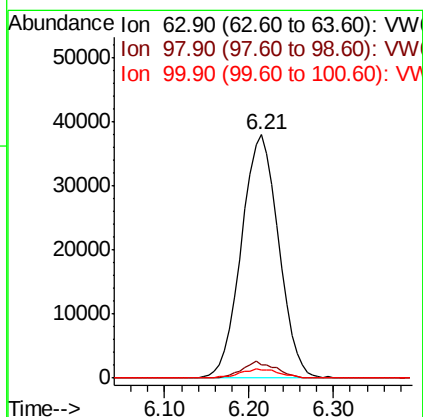
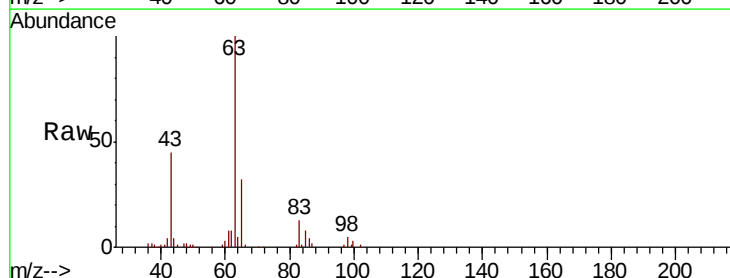
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0821SBSD02

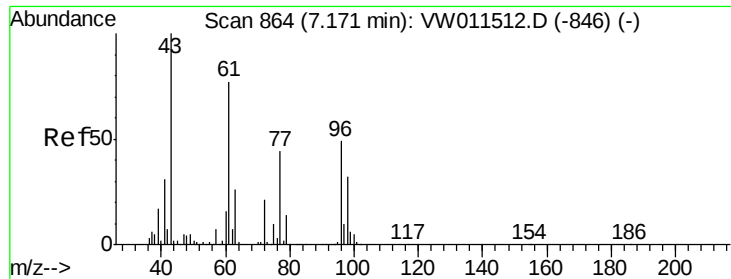
Tgt Ion: 43 Resp: 650430
 Ion Ratio Lower Upper
 43 100
 86 8.5 6.5 9.7



#24
 1,1-Dichloroethane
 Concen: 21.293 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW012077.D
 Acq: 21 Aug 2019 18:34

Tgt Ion: 63 Resp: 114114
 Ion Ratio Lower Upper
 63 100
 98 5.4 2.9 8.8
 100 3.4 2.1 6.3

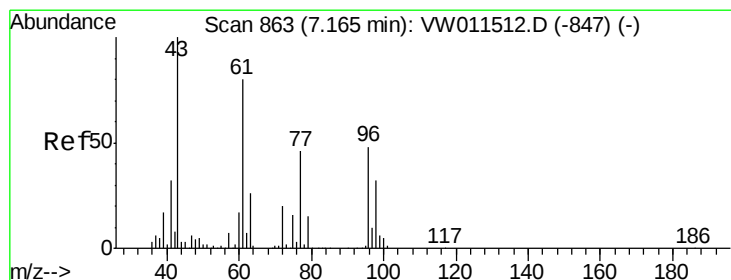
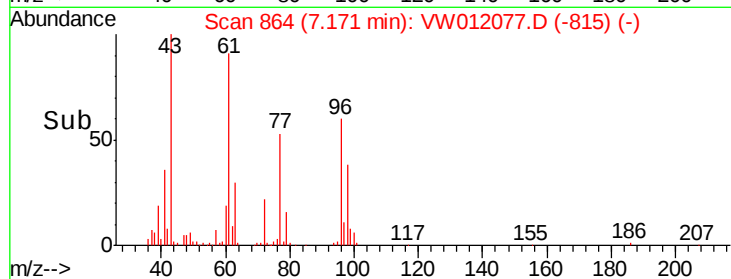
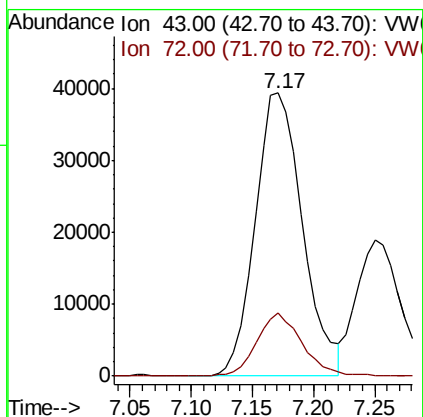
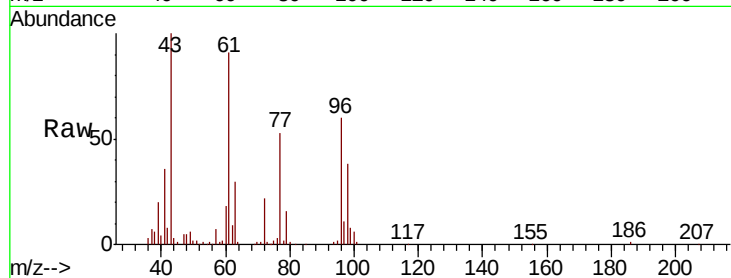




#25
2-Butanone
Concen: 92.624 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW012077.D
Acq: 21 Aug 2019 18:34

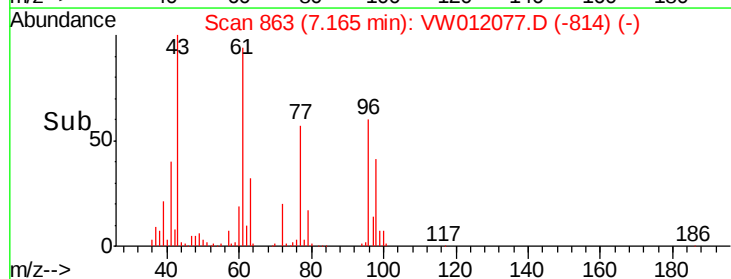
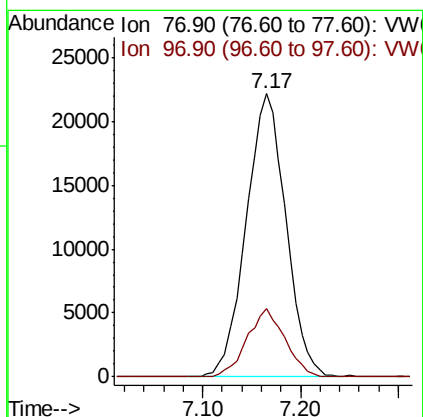
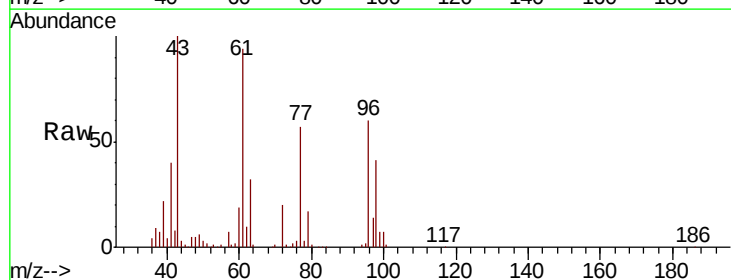
Instrument :
MSVOA_W
ClientSampleId :
VW0821SBSD02

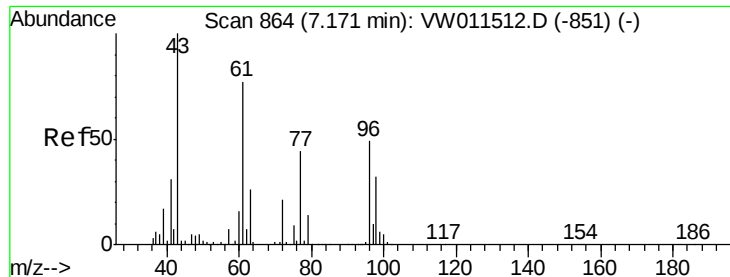
Tgt Ion: 43 Resp: 106078
Ion Ratio Lower Upper
43 100
72 22.3 16.6 24.8



#26
2,2-Dichloropropane
Concen: 18.947 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW012077.D
Acq: 21 Aug 2019 18:34

Tgt Ion: 77 Resp: 62448
Ion Ratio Lower Upper
77 100
97 23.0 10.8 32.4



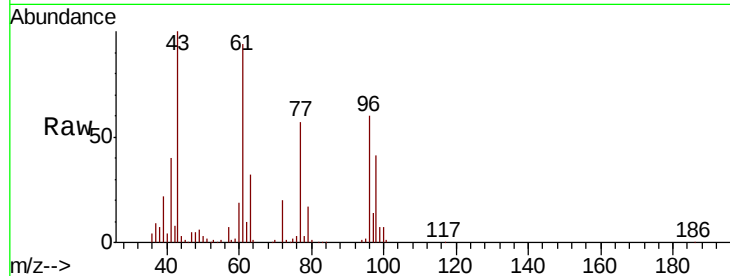


#27

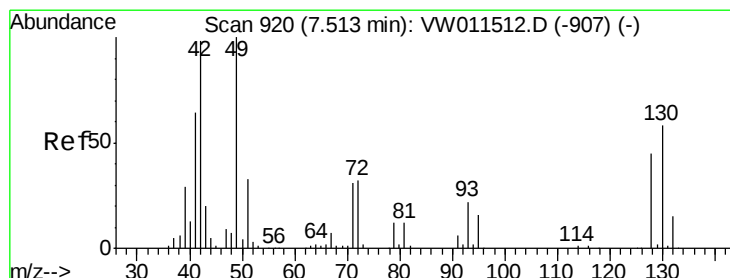
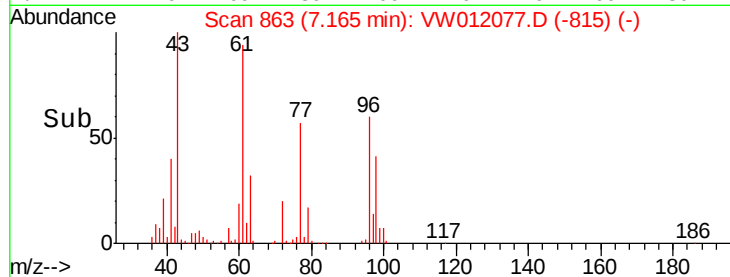
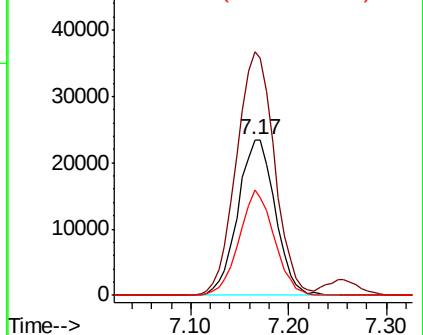
cis-1,2-Dichloroethene
 Concen: 20.959 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW012077.D
 Acq: 21 Aug 2019 18:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0821SBS02

Tgt Ion: 96 Resp: 62060
 Ion Ratio Lower Upper
 96 100
 61 160.0 0.0 328.4
 98 63.7 0.0 128.8



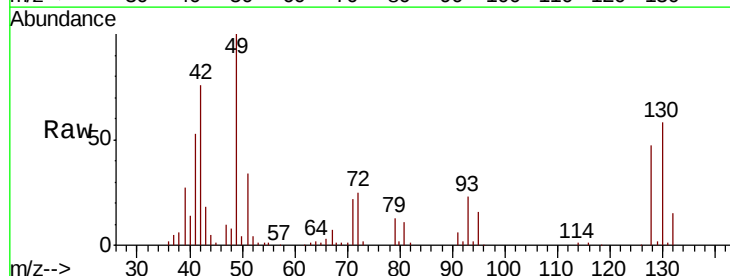
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



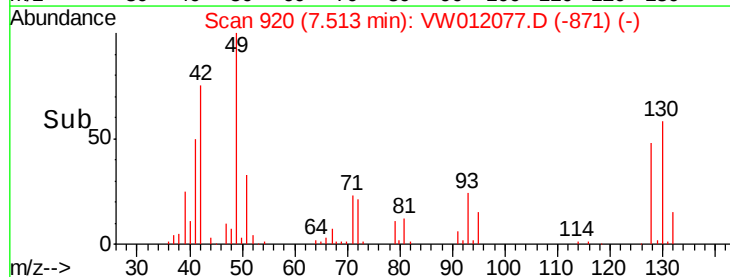
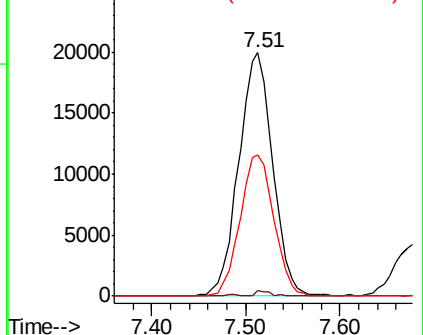
#28

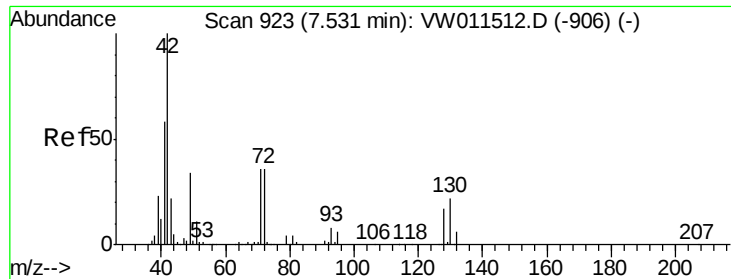
Bromochloromethane
 Concen: 21.182 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW012077.D
 Acq: 21 Aug 2019 18:34

Tgt Ion: 49 Resp: 50388
 Ion Ratio Lower Upper
 49 100
 129 0.9 0.0 1.0
 130 57.8 46.3 69.5



Abundance Ion 48.90 (48.60 to 49.60): VW
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

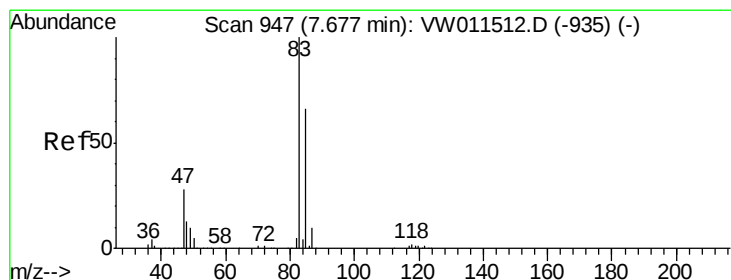
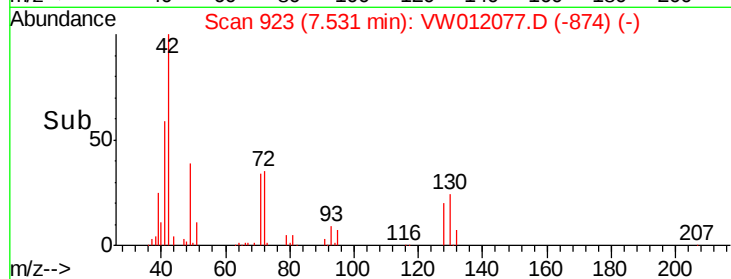
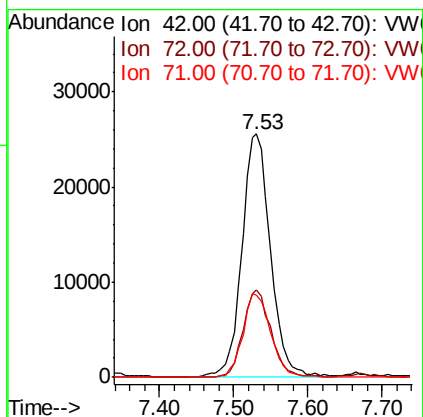
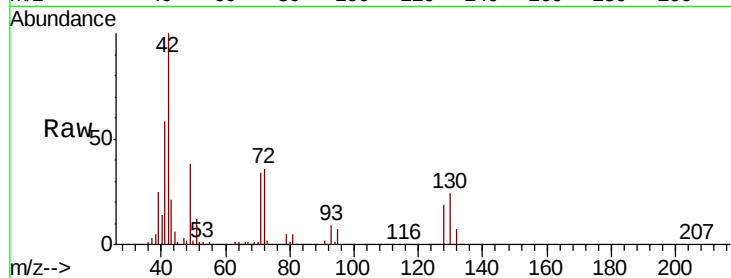




#29
Tetrahydrofuran
Concen: 105.758 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012077.D
Acq: 21 Aug 2019 18:34

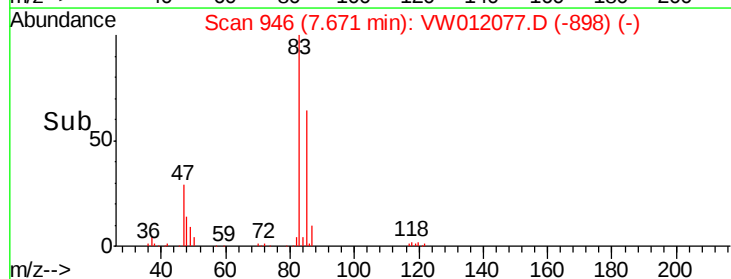
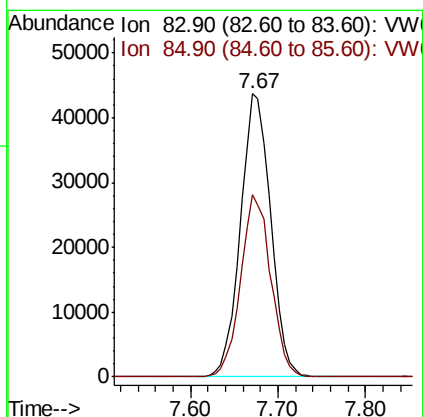
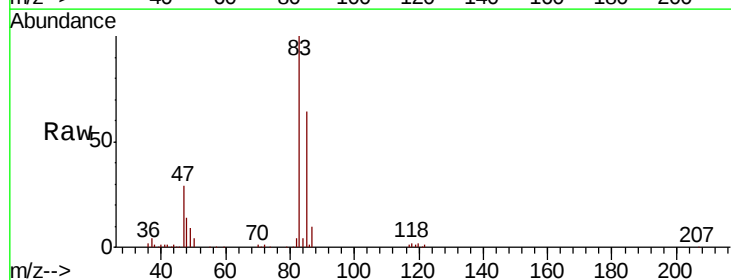
Instrument :
MSVOA_W
ClientSampleId :
VW0821SBSD02

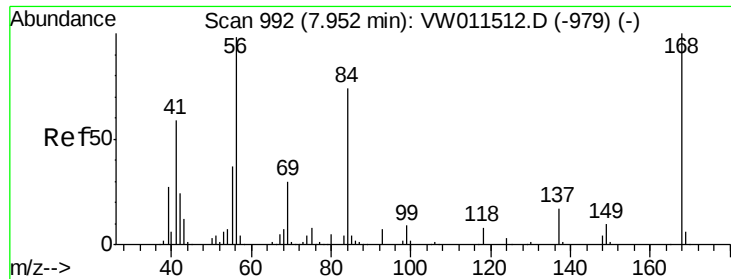
Tgt Ion: 42 Resp: 69233
Ion Ratio Lower Upper
42 100
72 34.8 27.1 40.7
71 33.4 26.2 39.4



#30
Chloroform
Concen: 21.202 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012077.D
Acq: 21 Aug 2019 18:34

Tgt Ion: 83 Resp: 104831
Ion Ratio Lower Upper
83 100
85 64.4 52.5 78.7

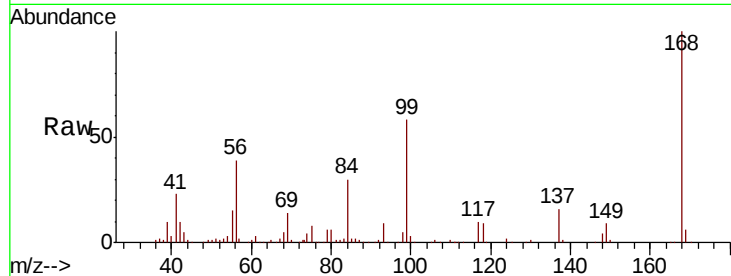




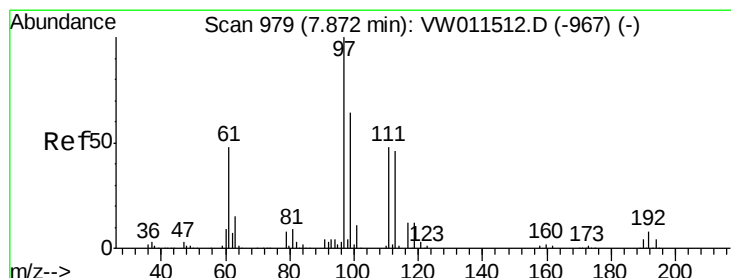
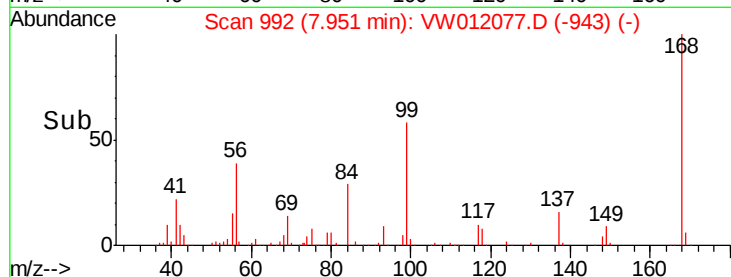
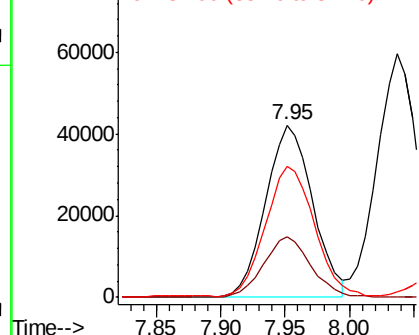
#31
Cyclohexane
Concen: 20.811 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW012077.D
Acq: 21 Aug 2019 18:34

Instrument :
MSVOA_W
ClientSampleId :
VW0821SBSD02

Tgt Ion: 56 Resp: 107064
Ion Ratio Lower Upper
56 100
69 35.2 24.3 36.5
84 75.0 60.4 90.6

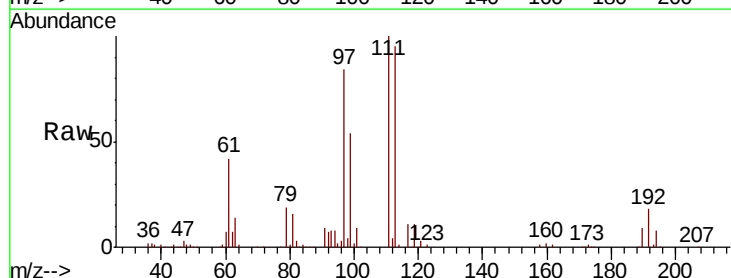


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

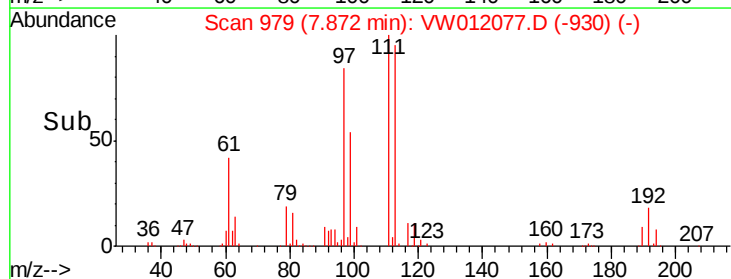
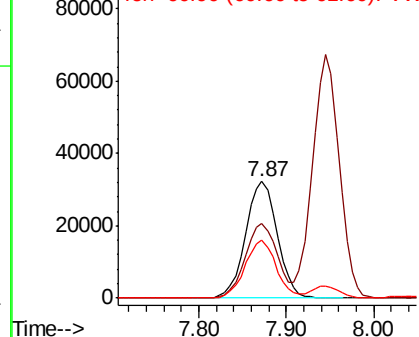


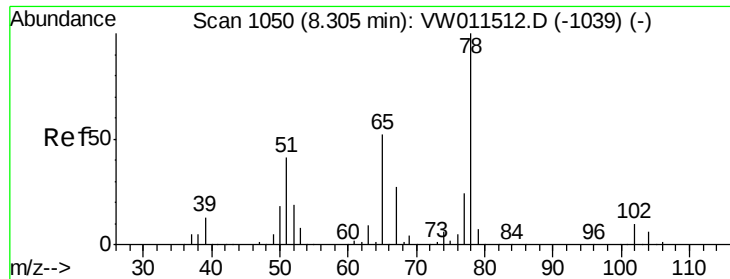
#32
1,1,1-Trichloroethane
Concen: 21.515 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW012077.D
Acq: 21 Aug 2019 18:34

Tgt Ion: 97 Resp: 81012
Ion Ratio Lower Upper
97 100
99 64.2 51.0 76.6
61 48.9 39.8 59.6



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW

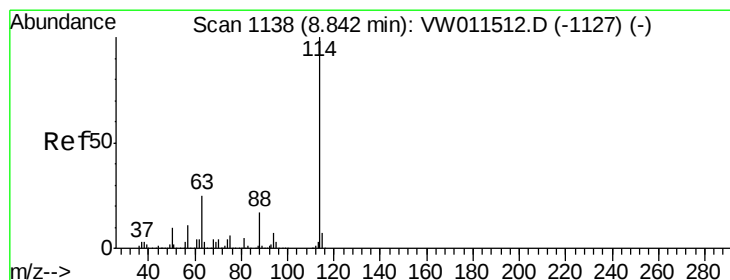
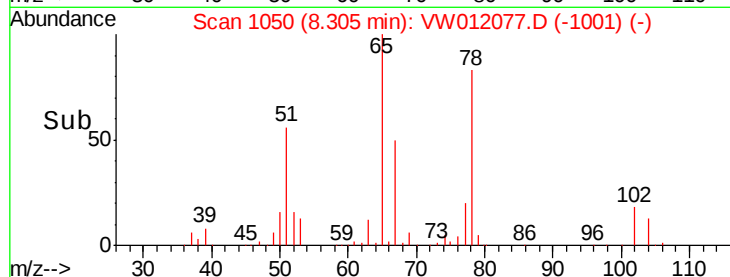
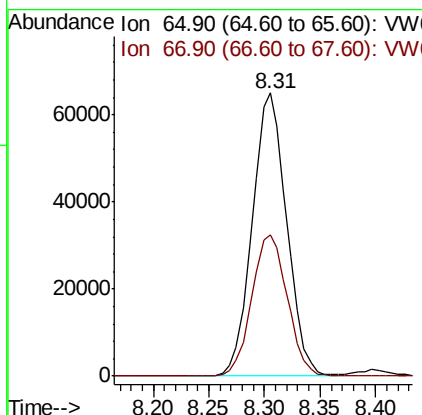
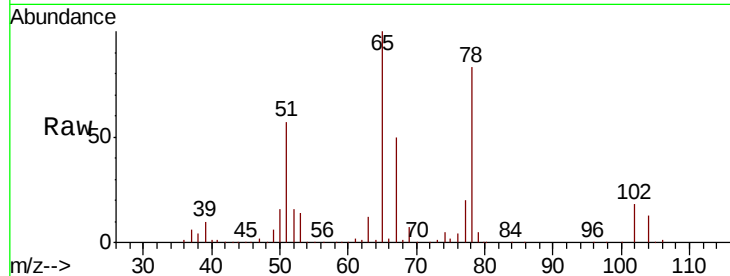




#33
 1,2-Dichloroethane-d4
 Concen: 50.829 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012077.D
 Acq: 21 Aug 2019 18:34

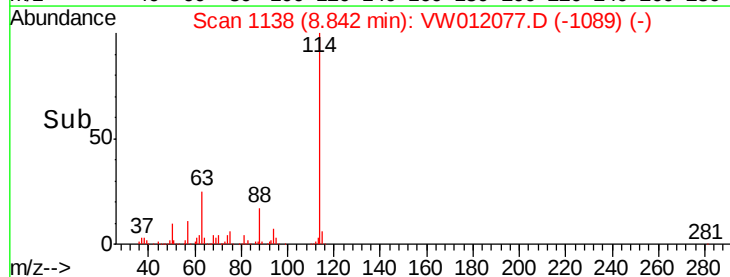
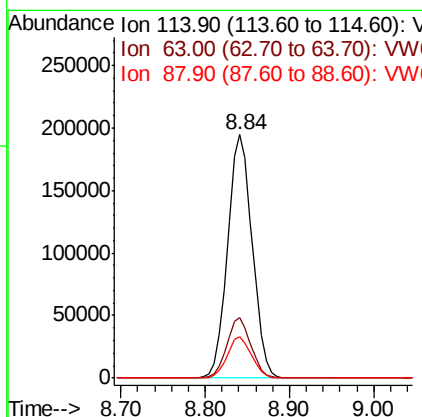
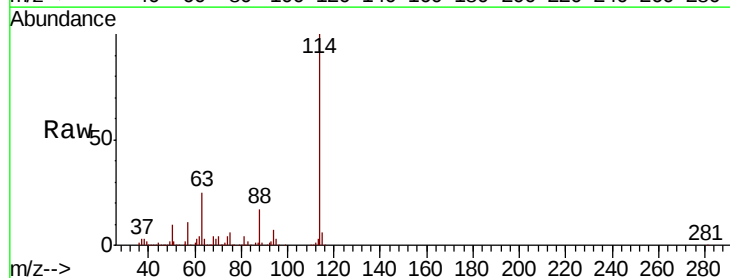
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0821SBSD02

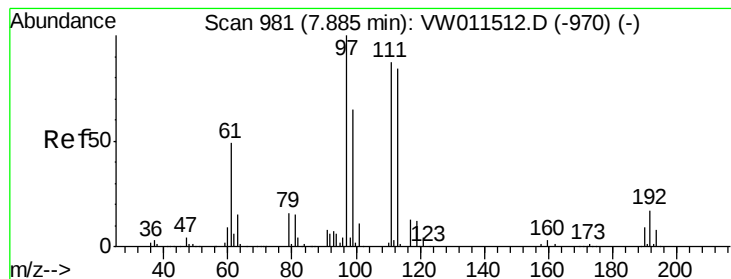
Tgt Ion: 65 Resp: 139852
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012077.D
 Acq: 21 Aug 2019 18:34

Tgt Ion: 114 Resp: 386074
 Ion Ratio Lower Upper
 114 100
 63 24.7 0.0 49.2
 88 17.1 0.0 33.8





#35

Dibromofluoromethane

Concen: 52.535 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012077.D

Acq: 21 Aug 2019 18:34

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBS02

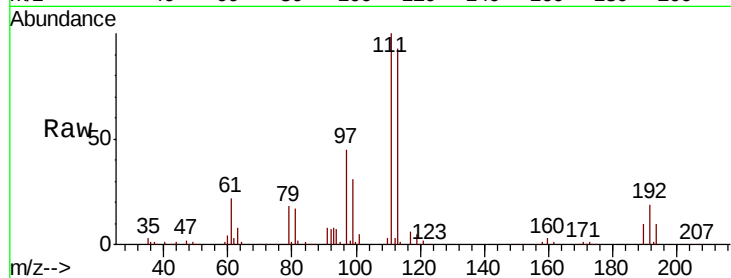
Tgt Ion:113 Resp: 113787

Ion Ratio Lower Upper

113 100

111 104.8 82.7 124.1

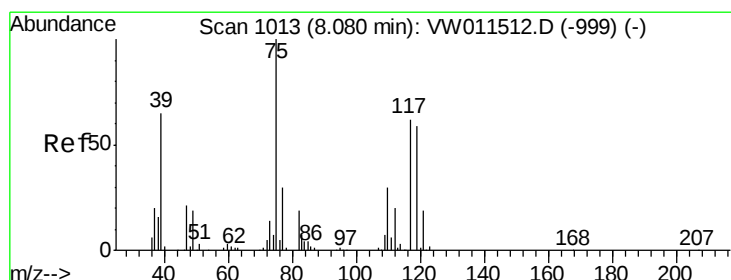
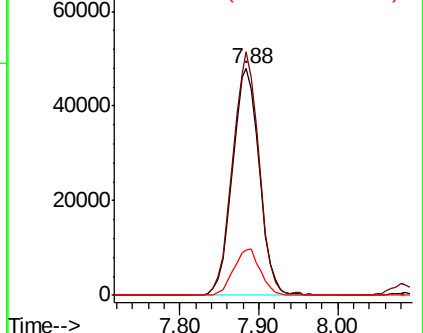
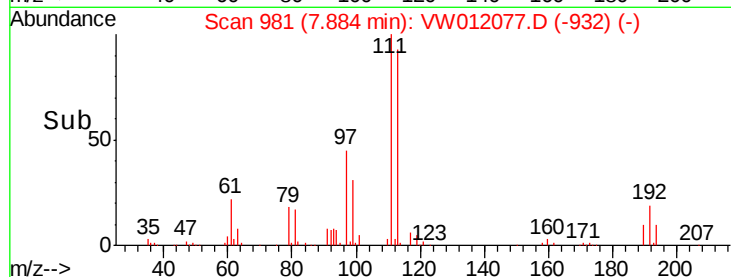
192 20.2 16.1 24.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 21.544 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW012077.D

Acq: 21 Aug 2019 18:34

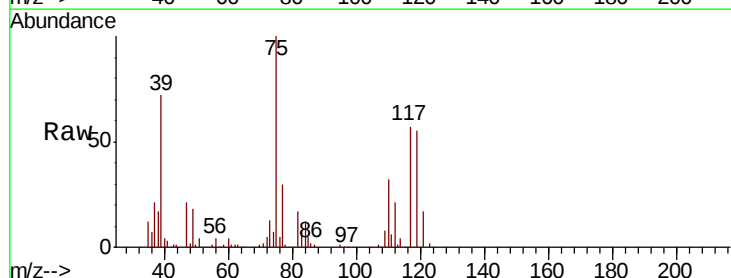
Tgt Ion: 75 Resp: 86488

Ion Ratio Lower Upper

75 100

110 31.1 15.6 46.8

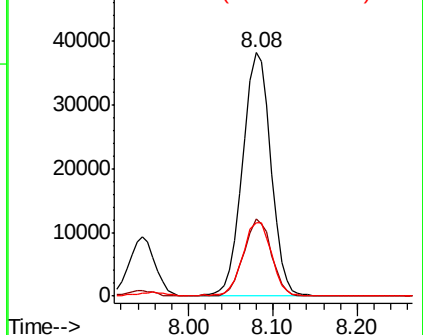
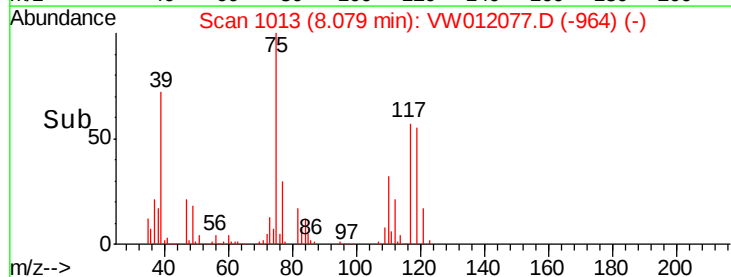
77 30.9 24.3 36.5

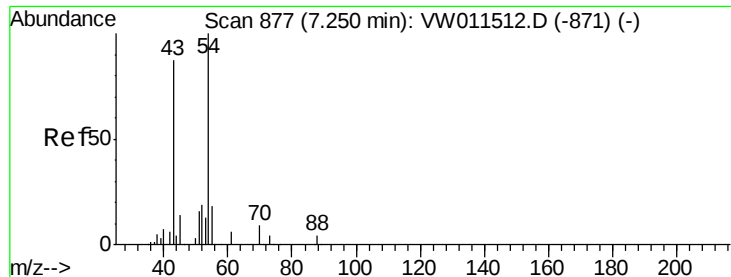


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

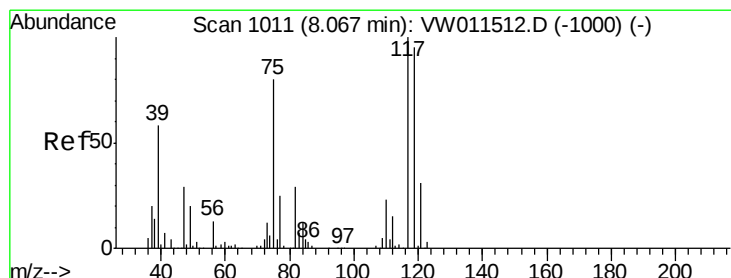
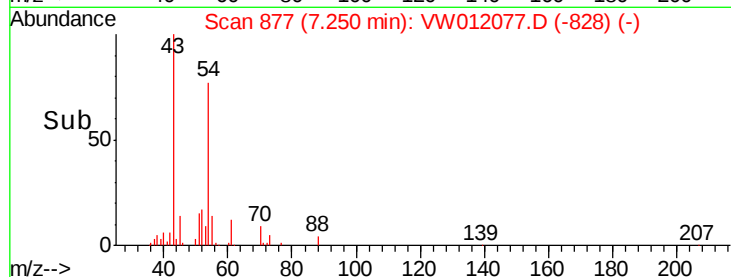
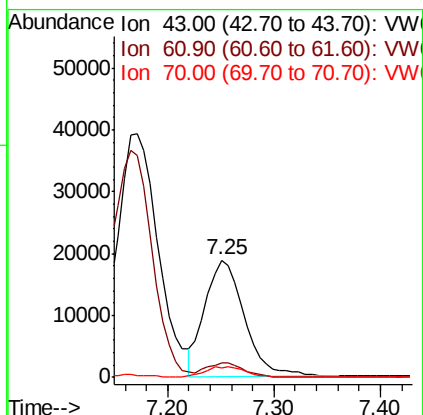
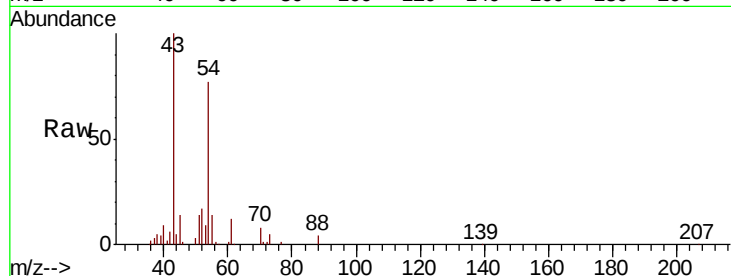




#37
Ethyl Acetate
Concen: 20.852 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012077.D
Acq: 21 Aug 2019 18:34

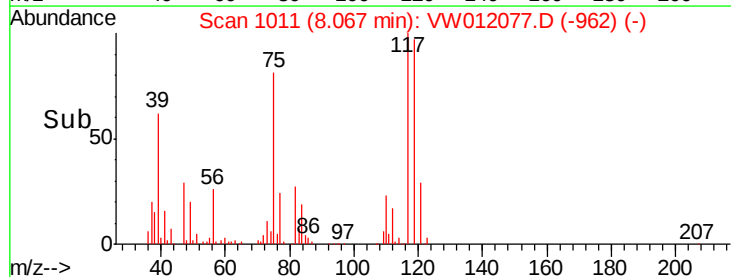
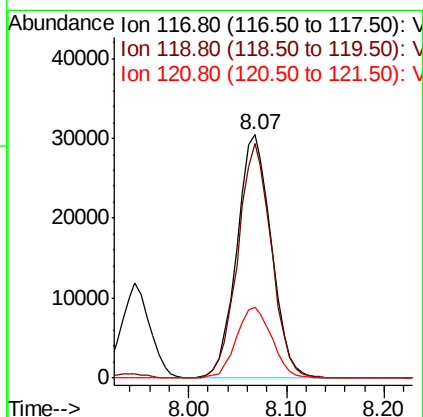
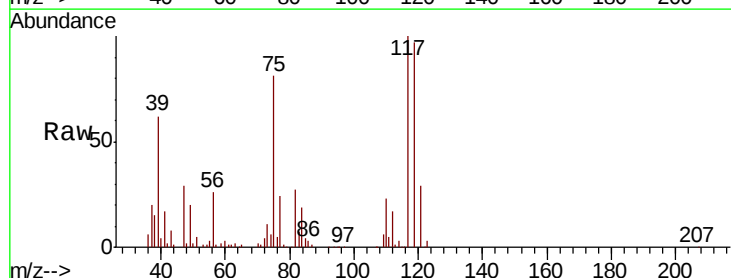
Instrument :
MSVOA_W
ClientSampleId :
VW0821SBSD02

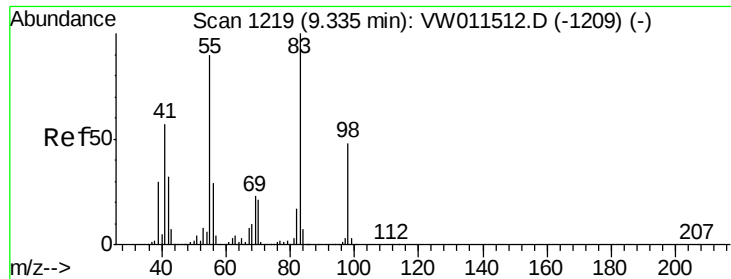
Tgt Ion: 43 Resp: 48161
Ion Ratio Lower Upper
43 100
61 11.6 8.8 13.2
70 9.4 7.1 10.7



#38
Carbon Tetrachloride
Concen: 21.689 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012077.D
Acq: 21 Aug 2019 18:34

Tgt Ion: 117 Resp: 74538
Ion Ratio Lower Upper
117 100
119 96.6 75.8 113.6
121 29.0 24.7 37.1

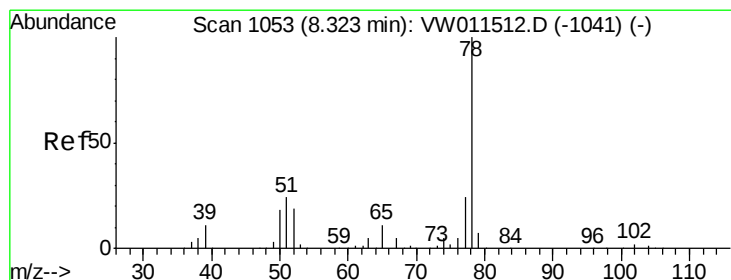
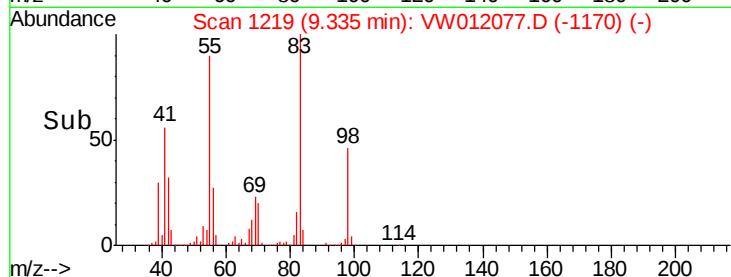
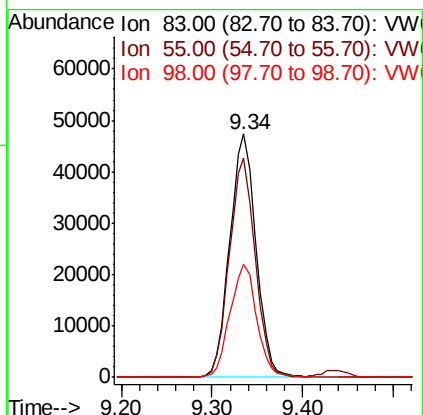
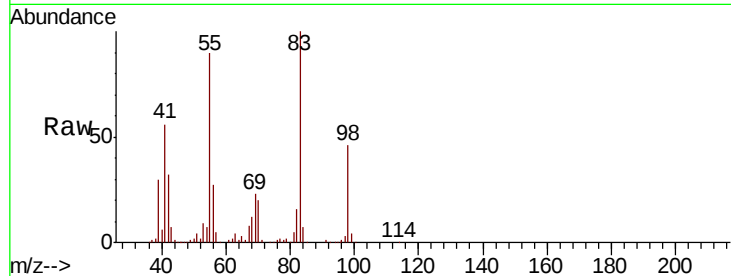




#39
Methylcyclohexane
Concen: 21.565 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012077.D
Acq: 21 Aug 2019 18:34

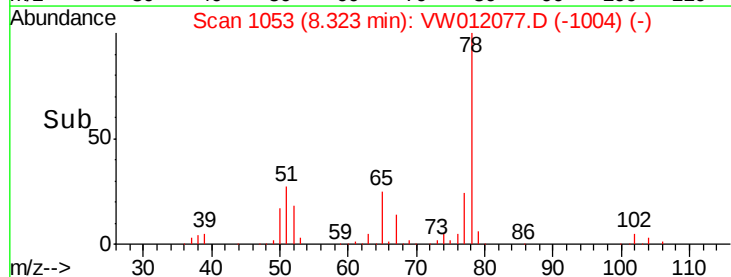
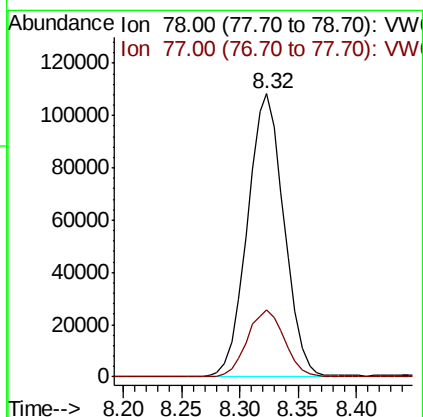
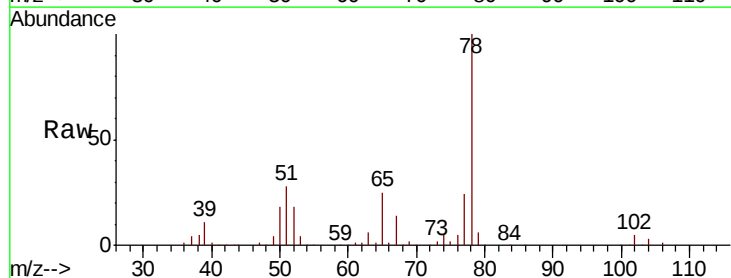
Instrument :
MSVOA_W
ClientSampleId :
VW0821SBS02

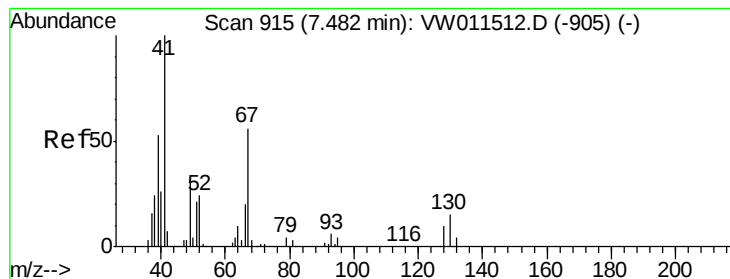
Tgt Ion: 83 Resp: 95325
Ion Ratio Lower Upper
83 100
55 90.3 72.1 108.1
98 46.4 38.6 57.8



#40
Benzene
Concen: 21.162 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012077.D
Acq: 21 Aug 2019 18:34

Tgt Ion: 78 Resp: 237960
Ion Ratio Lower Upper
78 100
77 23.8 19.4 29.0





#41

Methacrylonitrile

Concen: 20.612 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW012077.D

Acq: 21 Aug 2019 18:34

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBS02

Tgt Ion: 41 Resp: 28457

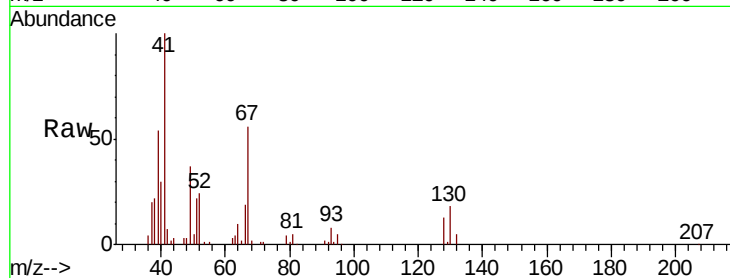
Ion Ratio Lower Upper

41 100

39 58.2 43.0 64.4

67 58.3 47.5 71.3

52 27.0 21.0 31.6

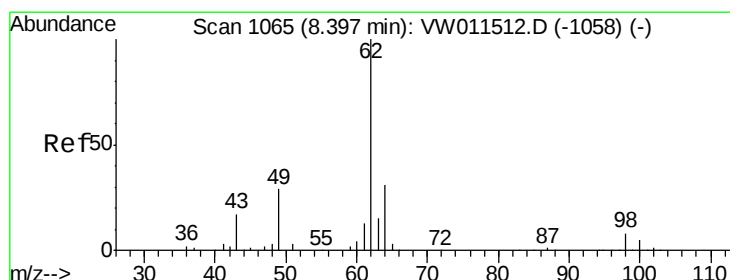
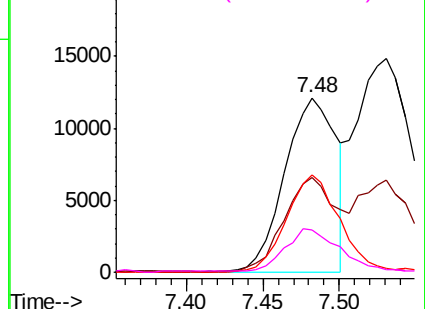
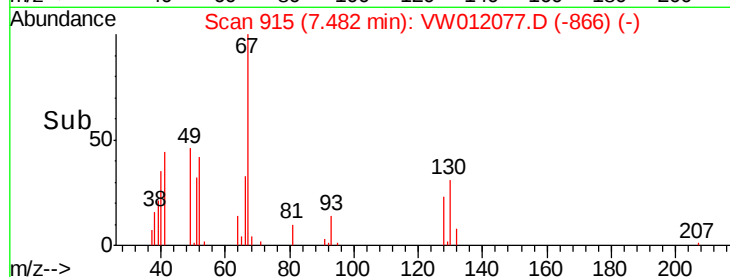


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 21.373 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW012077.D

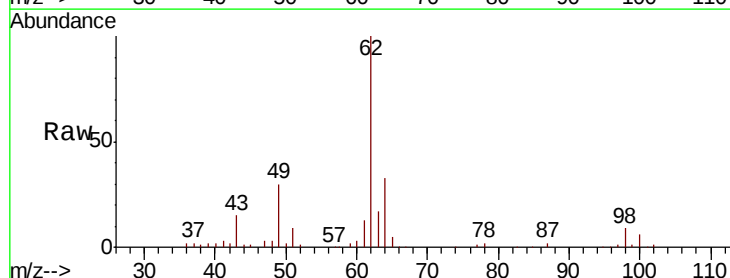
Acq: 21 Aug 2019 18:34

Tgt Ion: 62 Resp: 75246

Ion Ratio Lower Upper

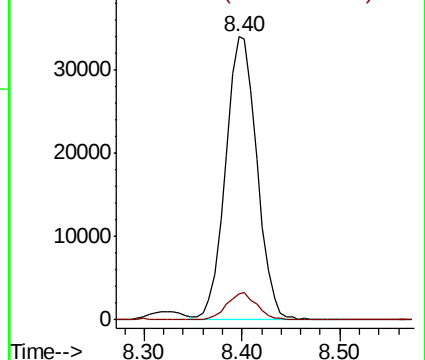
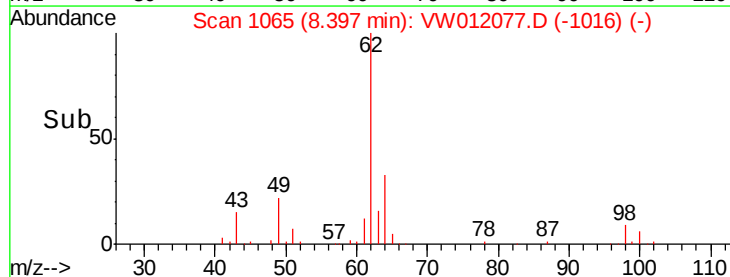
62 100

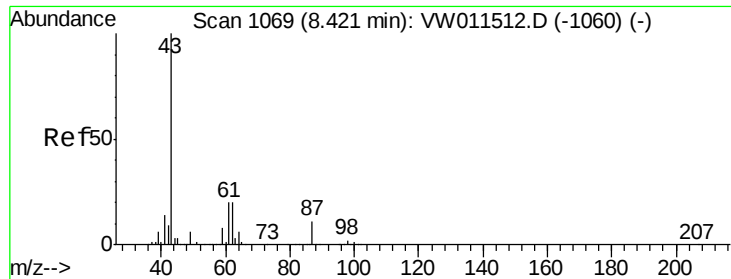
98 9.1 0.0 16.8



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 21.443 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012077.D

Acq: 21 Aug 2019 18:34

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBSD02

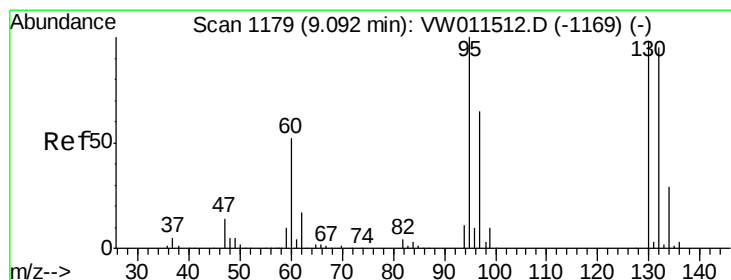
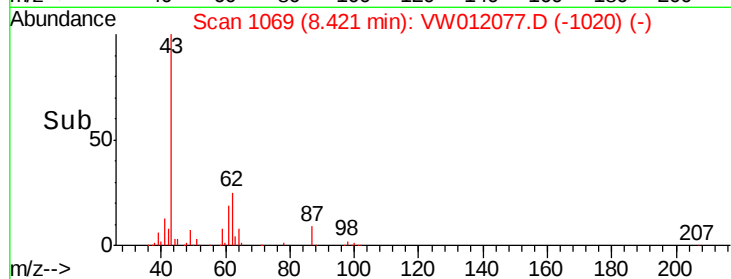
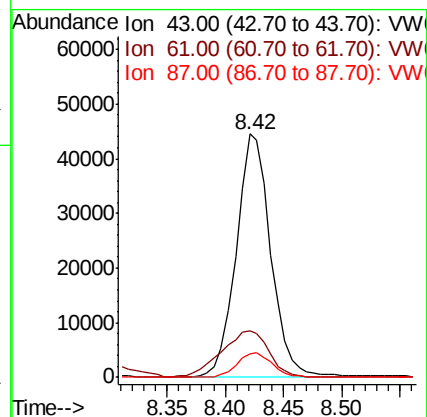
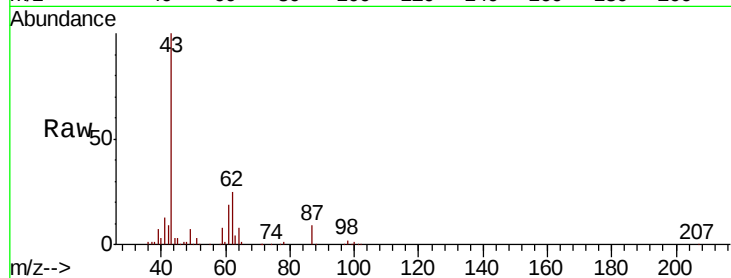
Tgt Ion: 43 Resp: 91082

Ion Ratio Lower Upper

43 100

61 26.4 21.5 32.3

87 10.3 8.4 12.6



#44

Trichloroethene

Concen: 21.583 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW012077.D

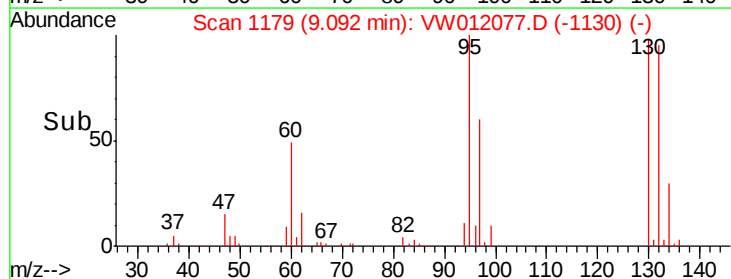
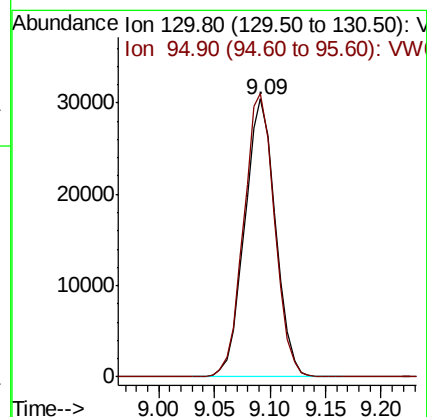
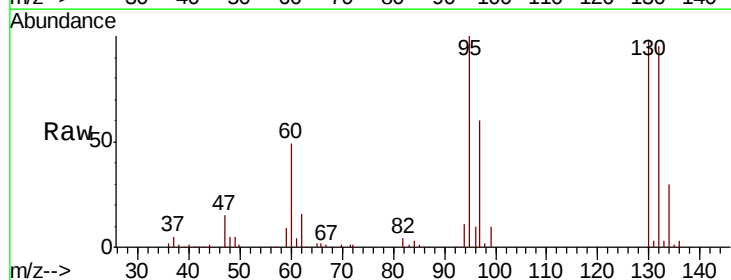
Acq: 21 Aug 2019 18:34

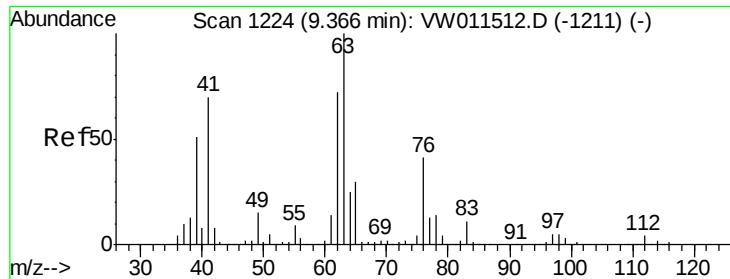
Tgt Ion: 130 Resp: 58332

Ion Ratio Lower Upper

130 100

95 101.9 0.0 204.8

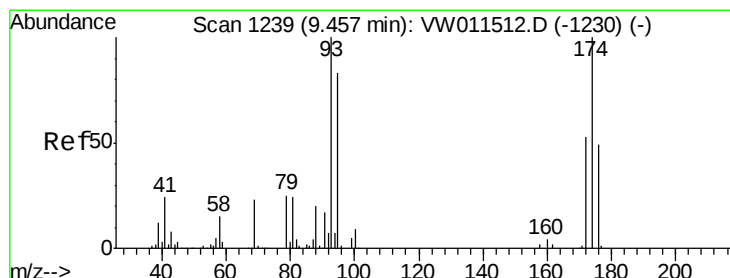
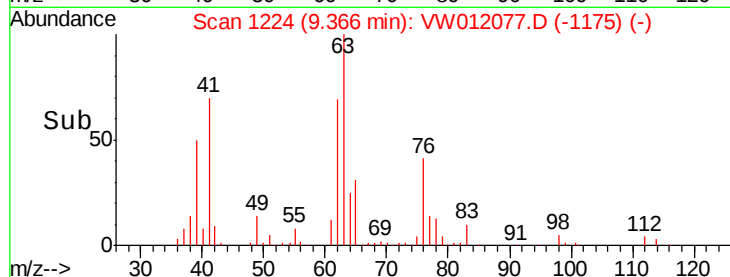
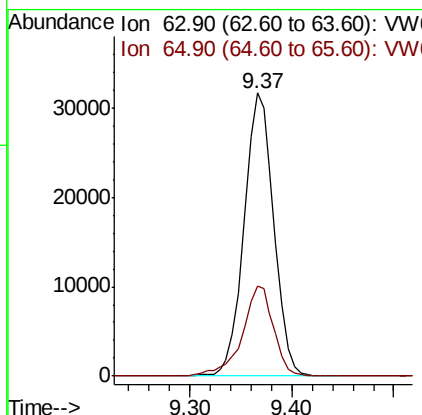
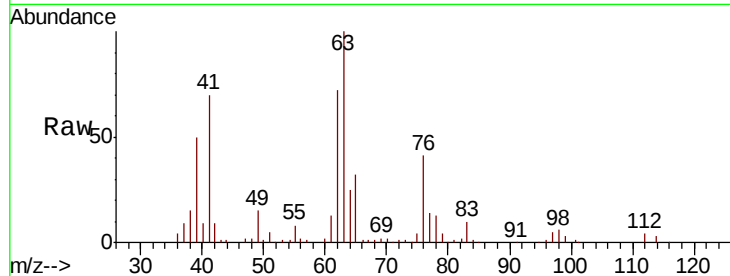




#45
 1,2-Dichloropropane
 Concen: 21.259 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012077.D
 Acq: 21 Aug 2019 18:34

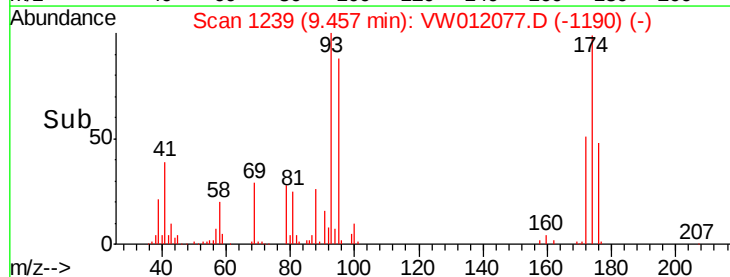
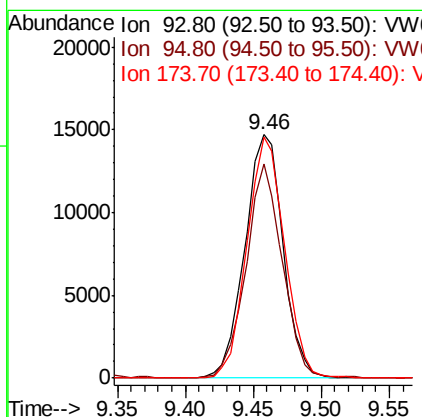
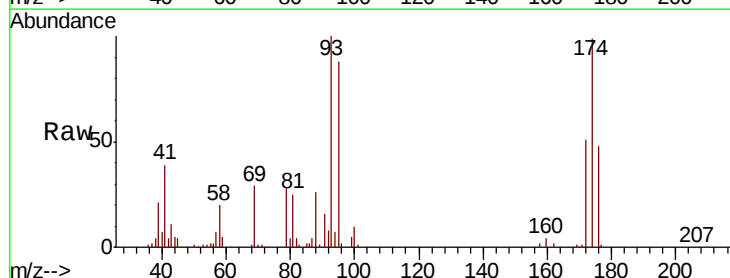
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0821SBSD02

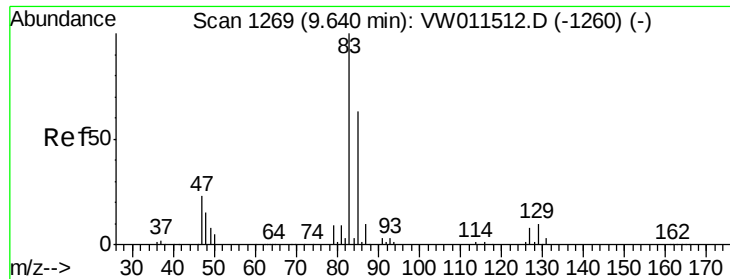
Tgt Ion: 63 Resp: 63962
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.2 36.4



#46
 Dibromomethane
 Concen: 21.092 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012077.D
 Acq: 21 Aug 2019 18:34

Tgt Ion: 93 Resp: 28964
 Ion Ratio Lower Upper
 93 100
 95 83.5 66.2 99.2
 174 97.4 78.2 117.4





#47

Bromodichloromethane

Concen: 20.767 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW012077.D

Acq: 21 Aug 2019 18:34

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBSD02

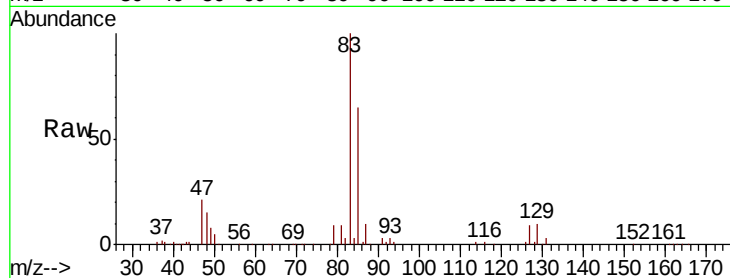
Tgt Ion: 83 Resp: 74806

Ion Ratio Lower Upper

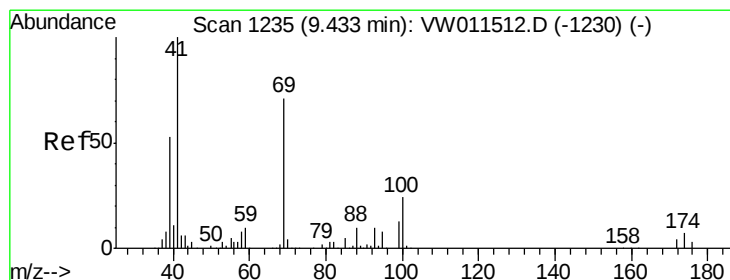
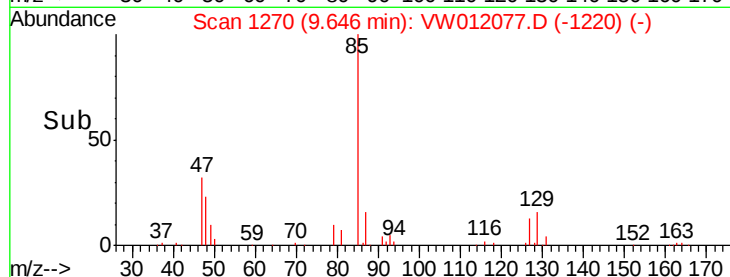
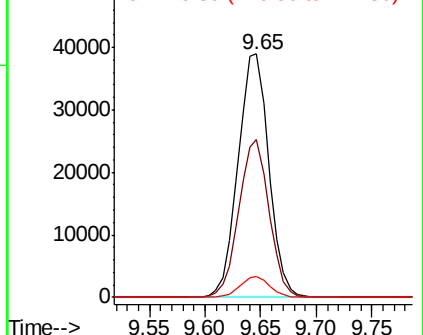
83 100

85 64.9 50.5 75.7

127 8.7 6.4 9.6



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



#48

Methyl methacrylate

Concen: 20.711 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW012077.D

Acq: 21 Aug 2019 18:34

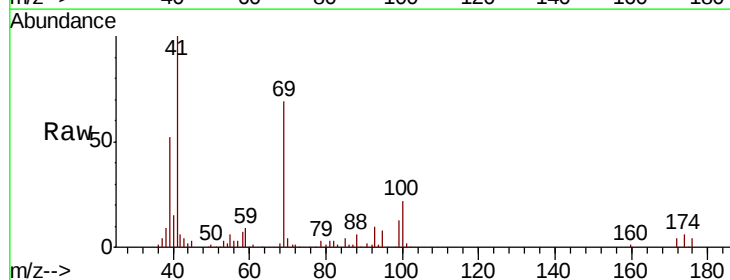
Tgt Ion: 41 Resp: 42259

Ion Ratio Lower Upper

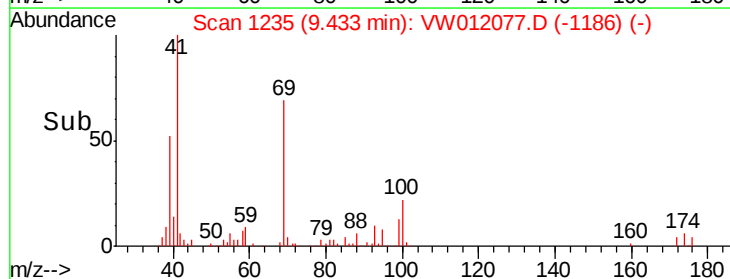
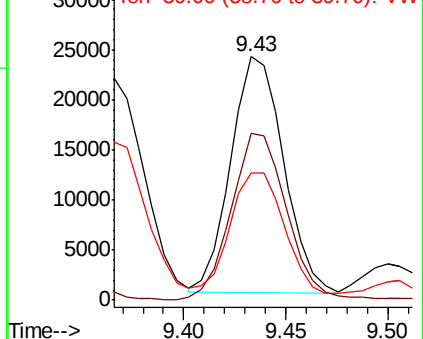
41 100

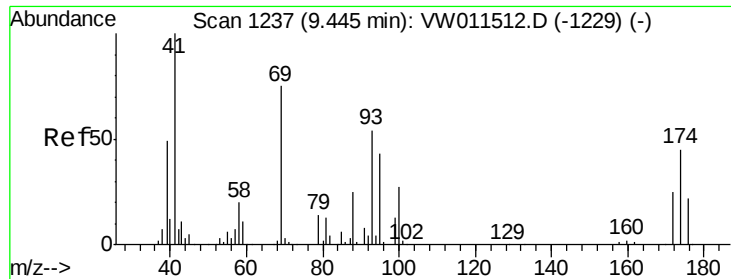
69 75.6 57.1 85.7

39 58.3 45.4 68.2



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

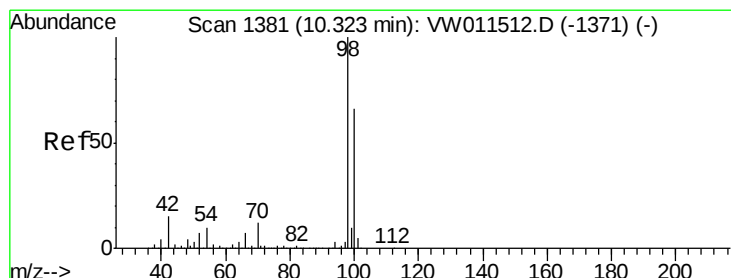
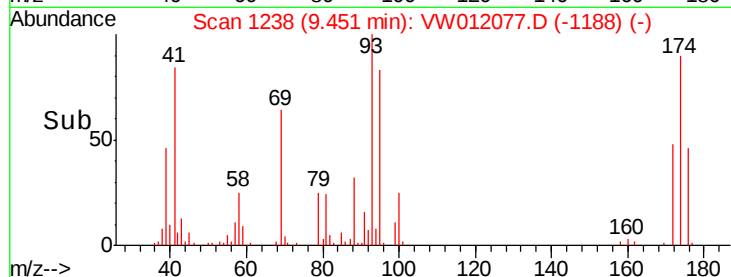
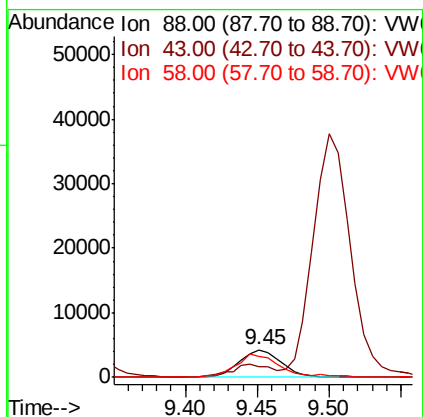
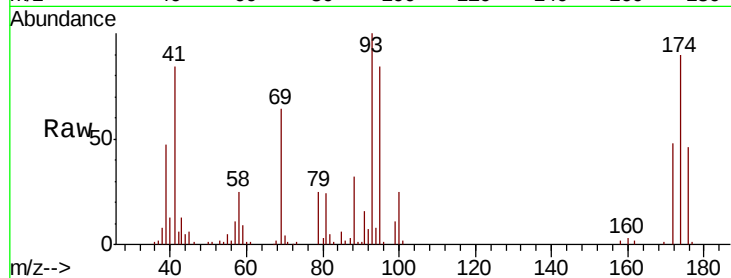




#49
 1,4-Dioxane
 Concen: 431.110 ug/l
 RT: 9.45 min Scan# 1238
 Delta R.T. 0.01 min
 Lab File: VW012077.D
 Acq: 21 Aug 2019 18:34

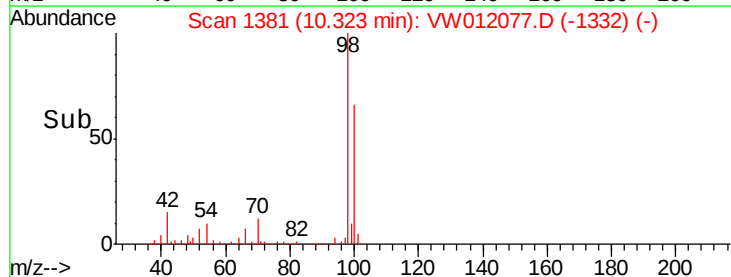
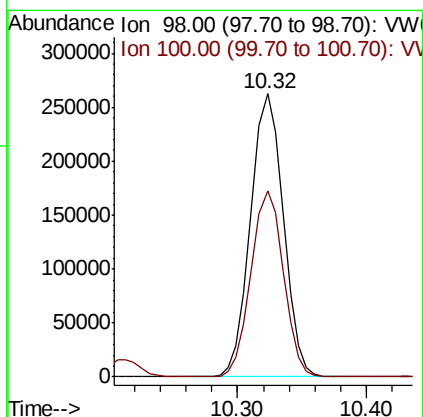
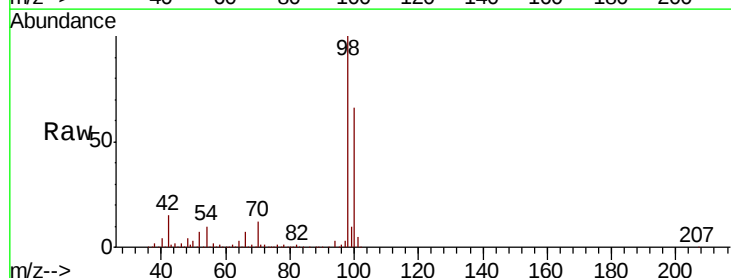
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0821SBSD02

Tgt Ion: 88 Resp: 8572
 Ion Ratio Lower Upper
 88 100
 43 42.7 34.0 51.0
 58 92.7 69.7 104.5



#50
 Toluene-d8
 Concen: 52.085 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW012077.D
 Acq: 21 Aug 2019 18:34

Tgt Ion: 98 Resp: 461886
 Ion Ratio Lower Upper
 98 100
 100 65.2 52.7 79.1

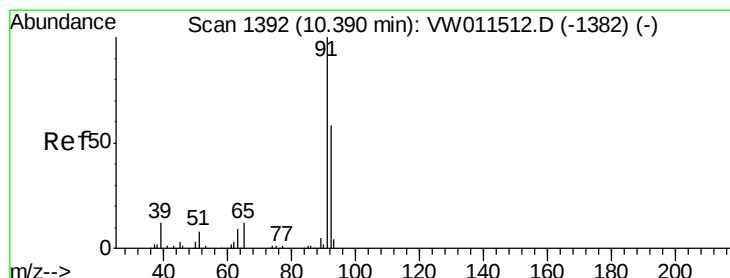
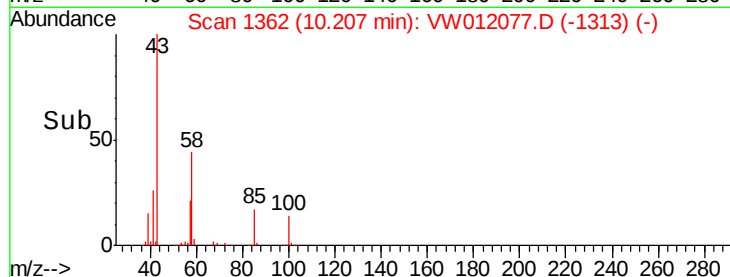
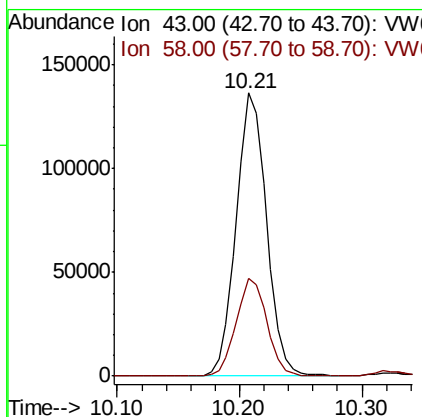
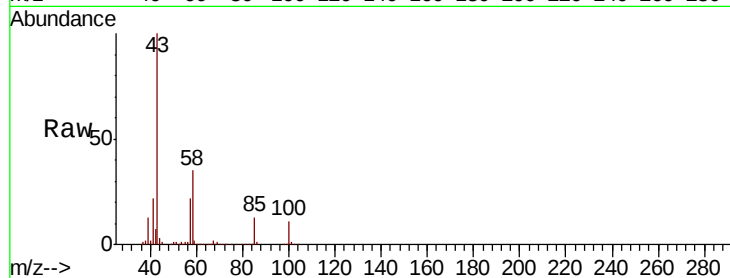




#51
 4-Methyl-2-Pentanone
 Concen: 106.157 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW012077.D
 Acq: 21 Aug 2019 18:34

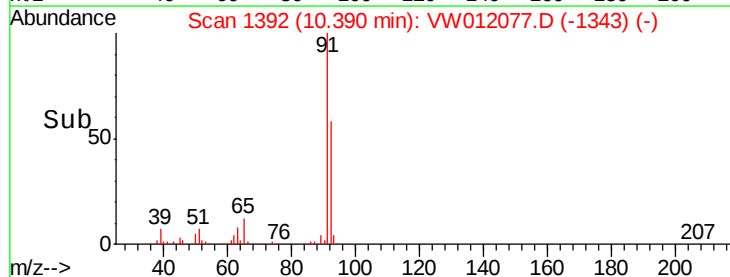
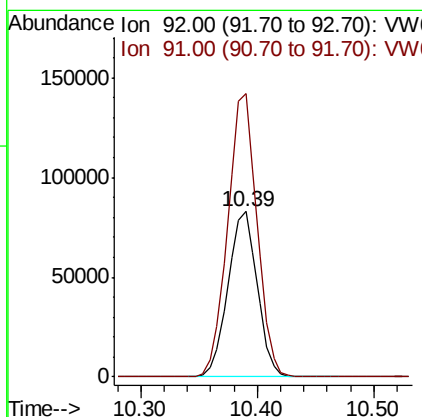
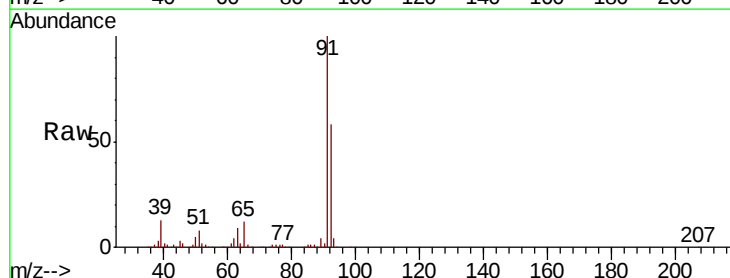
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0821SBS02

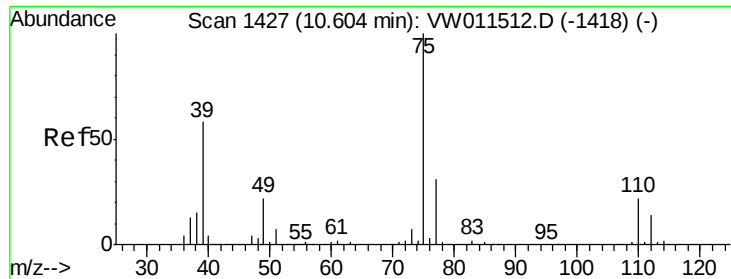
Tgt Ion: 43 Resp: 234540
 Ion Ratio Lower Upper
 43 100
 58 35.1 28.2 42.2



#52
 Toluene
 Concen: 21.422 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW012077.D
 Acq: 21 Aug 2019 18:34

Tgt Ion: 92 Resp: 145469
 Ion Ratio Lower Upper
 92 100
 91 170.9 136.7 205.1





#53

t-1,3-Dichloropropene

Concen: 20.401 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012077.D

Acq: 21 Aug 2019 18:34

Instrument :

MSVOA_W

ClientSampleId :

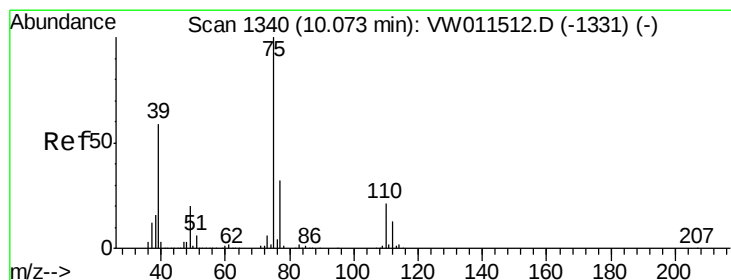
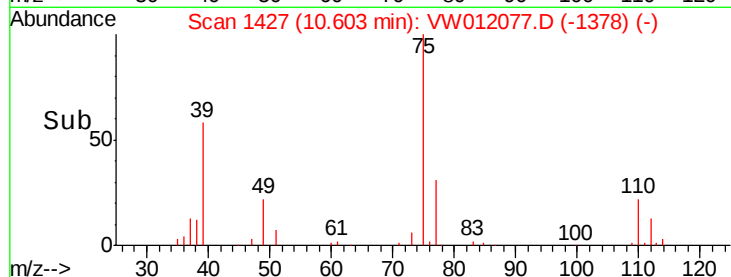
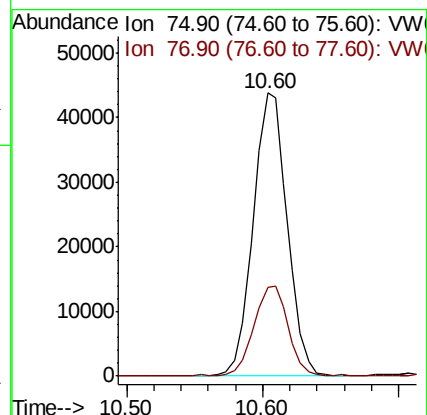
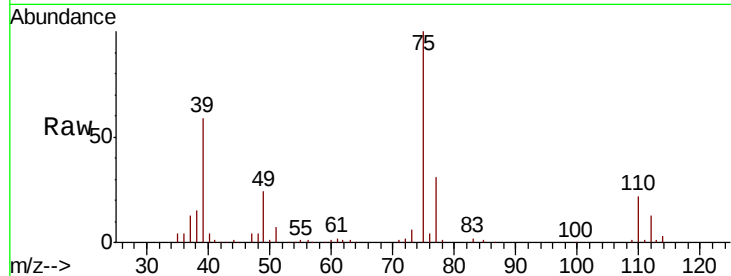
VW0821SBS02

Tgt Ion: 75 Resp: 76768

Ion Ratio Lower Upper

75 100

77 31.0 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 20.994 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012077.D

Acq: 21 Aug 2019 18:34

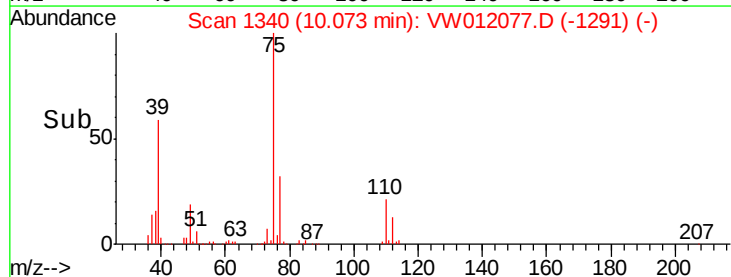
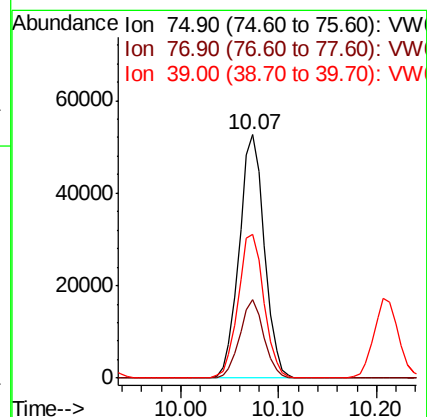
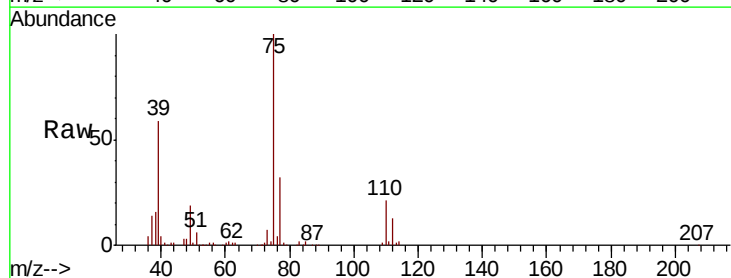
Tgt Ion: 75 Resp: 93928

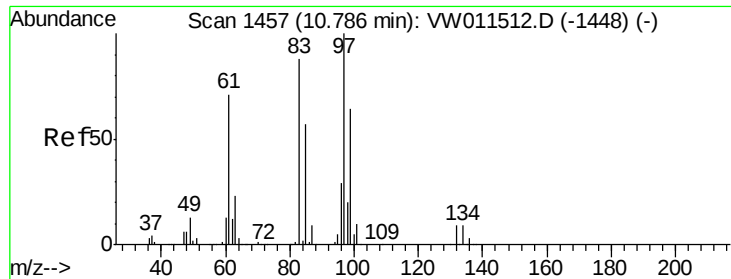
Ion Ratio Lower Upper

75 100

77 32.4 25.6 38.4

39 58.7 47.0 70.4

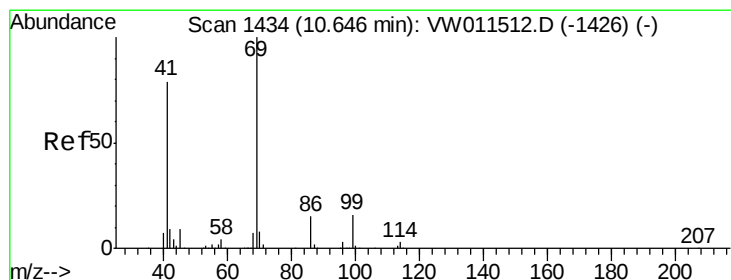
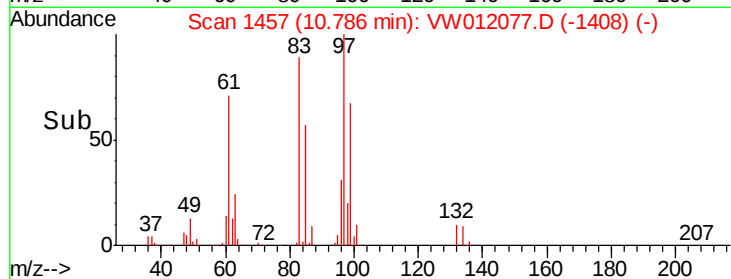
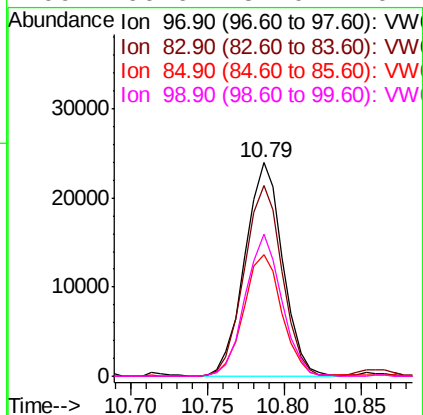
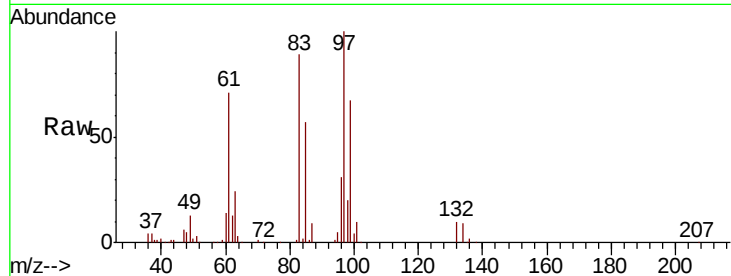




#55
 1,1,2-Trichloroethane
 Concen: 21.244 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012077.D
 Acq: 21 Aug 2019 18:34

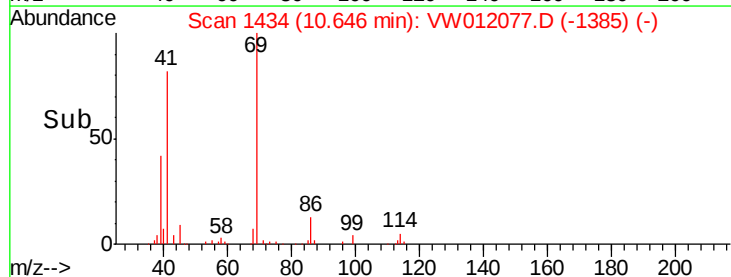
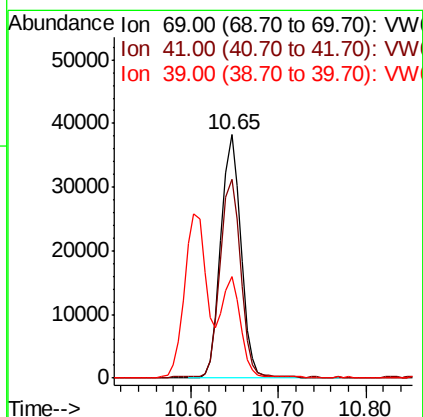
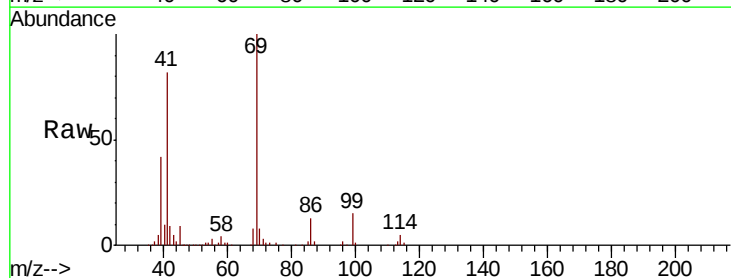
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0821SBSD02

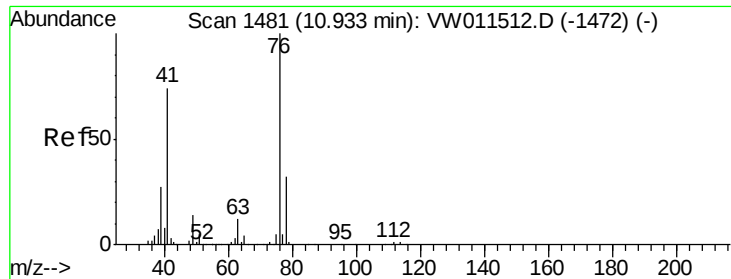
Tgt Ion:	97	Resp:	41392
Ion	Ratio	Lower	Upper
97	100		
83	89.3	70.5	105.7
85	57.1	45.8	68.6
99	66.6	51.0	76.4



#56
 Ethyl methacrylate
 Concen: 21.543 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012077.D
 Acq: 21 Aug 2019 18:34

Tgt Ion:	69	Resp:	61422
Ion	Ratio	Lower	Upper
69	100		
41	84.1	66.6	99.8
39	37.9	30.3	45.5

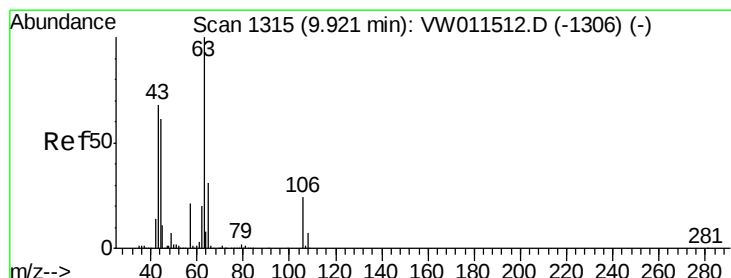
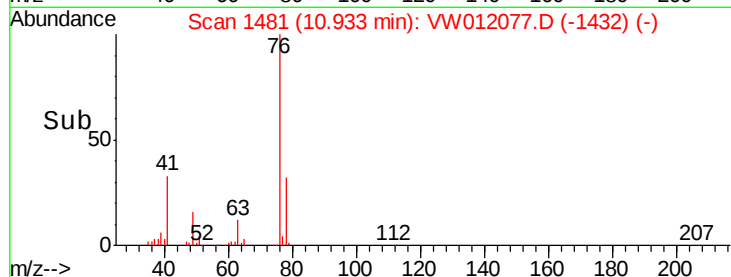
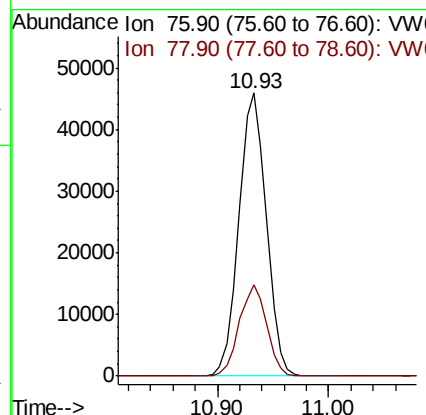
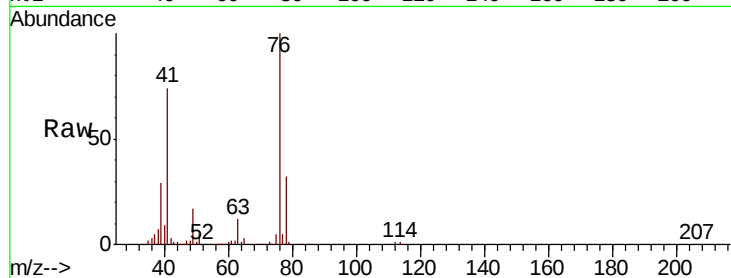




#57
 1,3-Dichloropropane
 Concen: 21.272 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012077.D
 Acq: 21 Aug 2019 18:34

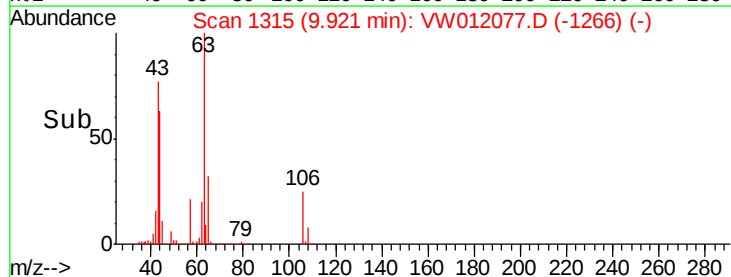
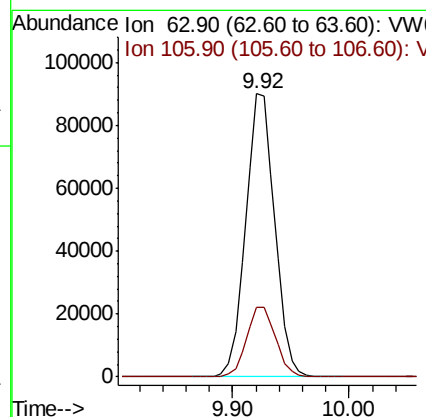
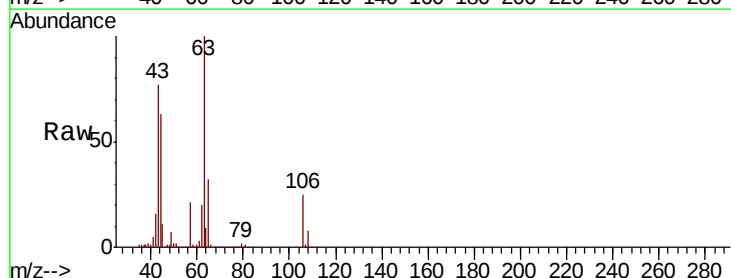
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0821SBS02

Tgt Ion: 76 Resp: 78414
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 121.286 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012077.D
 Acq: 21 Aug 2019 18:34

Tgt Ion: 63 Resp: 157010
 Ion Ratio Lower Upper
 63 100
 106 24.7 19.7 29.5

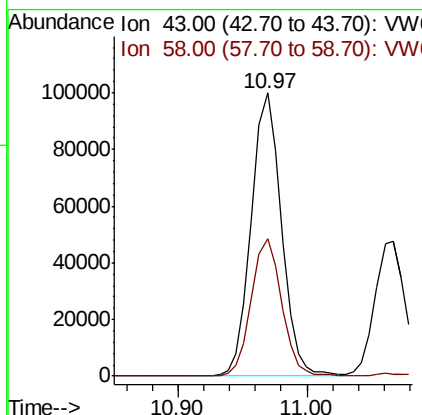
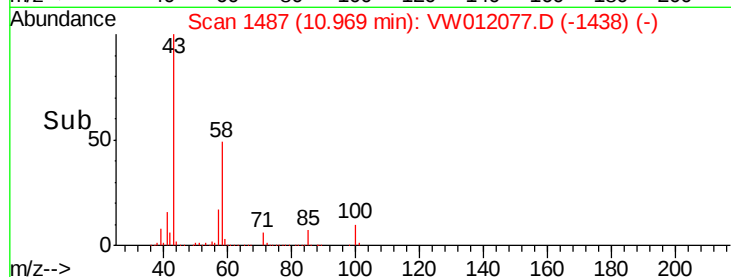
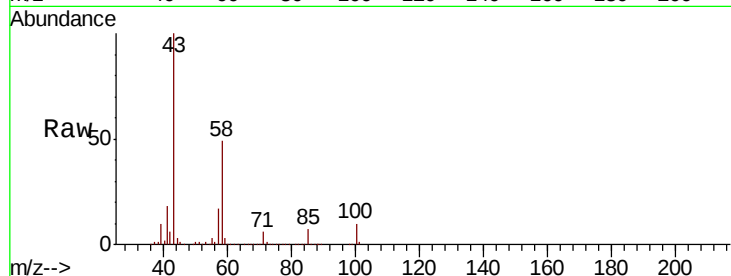




#59
2-Hexanone
Concen: 103.345 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012077.D
Acq: 21 Aug 2019 18:34

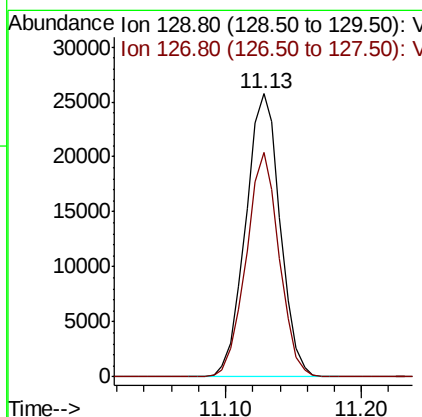
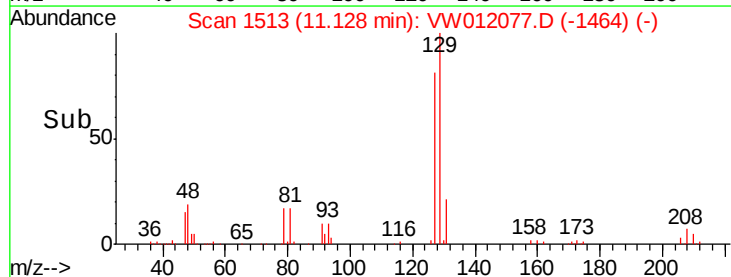
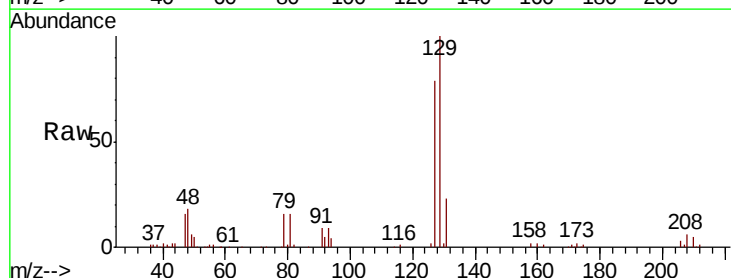
Instrument :
MSVOA_W
ClientSampleId :
VW0821SBSD02

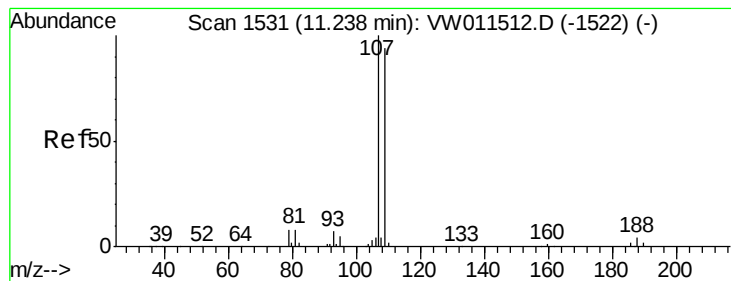
Tgt Ion: 43 Resp: 161214
Ion Ratio Lower Upper
43 100
58 49.1 24.3 72.9



#60
Dibromochloromethane
Concen: 21.125 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012077.D
Acq: 21 Aug 2019 18:34

Tgt Ion: 129 Resp: 45688
Ion Ratio Lower Upper
129 100
127 76.0 38.9 116.7





#61

1,2-Dibromoethane

Concen: 21.147 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW012077.D

Acq: 21 Aug 2019 18:34

Instrument :

MSVOA_W

ClientSampleId :

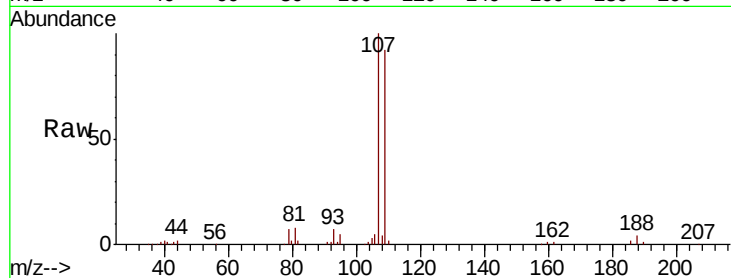
VW0821SBSD02

Tgt Ion: 107 Resp: 38992

Ion Ratio Lower Upper

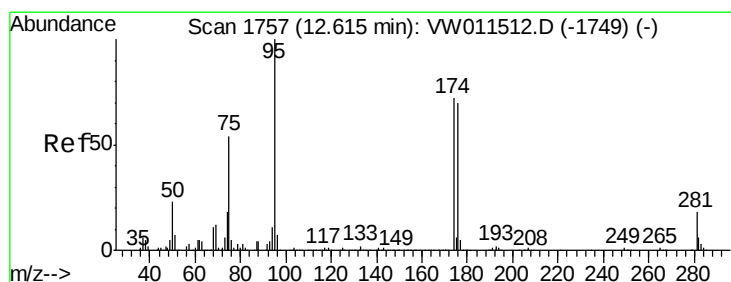
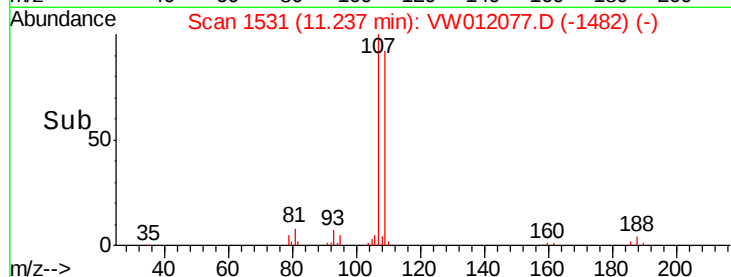
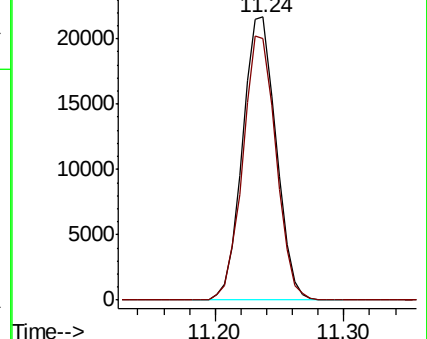
107 100

109 92.3 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.508 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012077.D

Acq: 21 Aug 2019 18:34

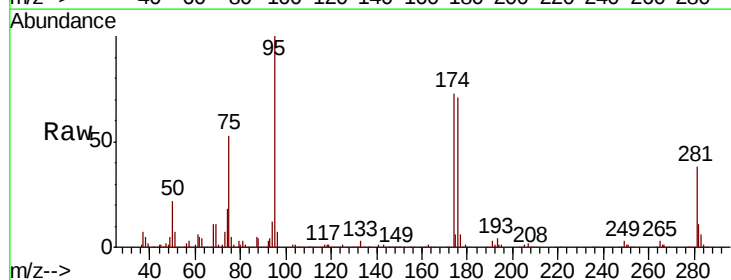
Tgt Ion: 95 Resp: 166009

Ion Ratio Lower Upper

95 100

174 75.8 0.0 150.2

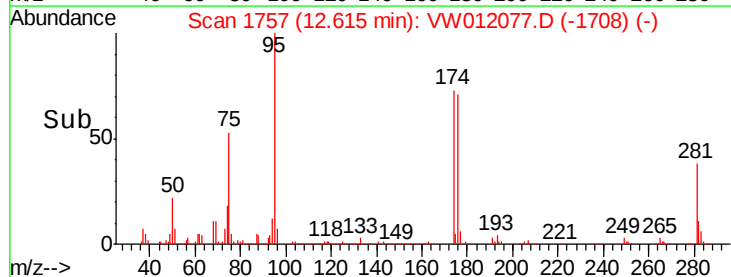
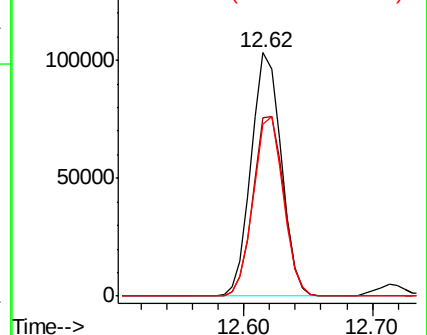
176 73.6 0.0 144.4

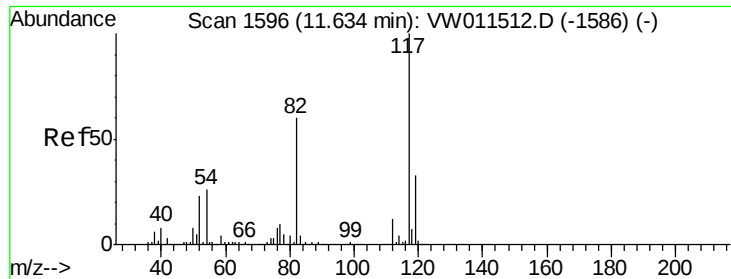


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

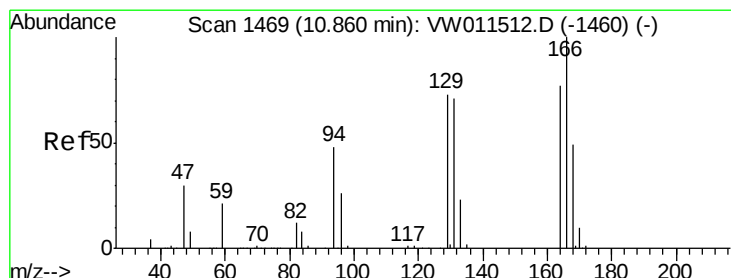
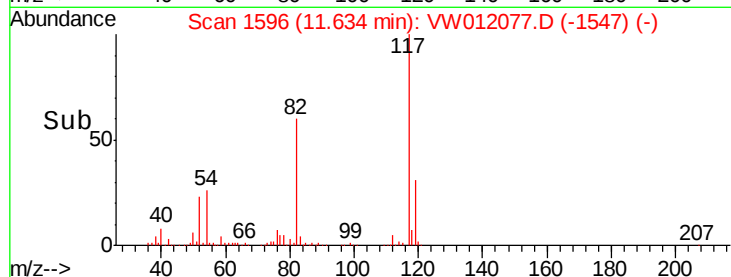
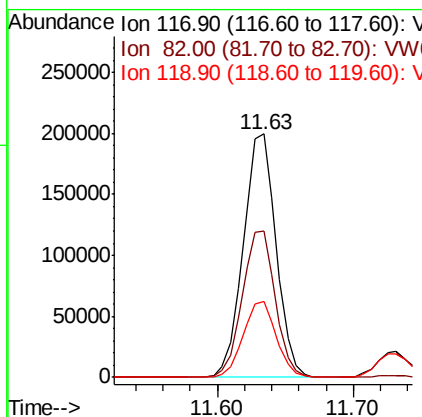
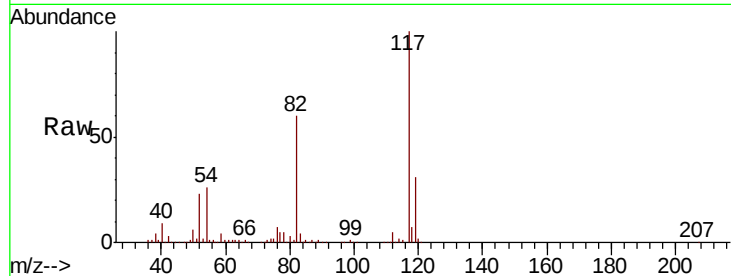




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012077.D
Acq: 21 Aug 2019 18:34

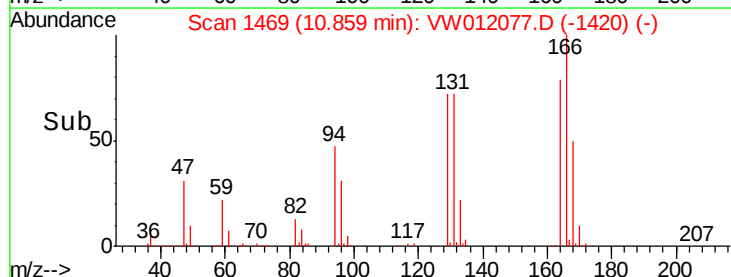
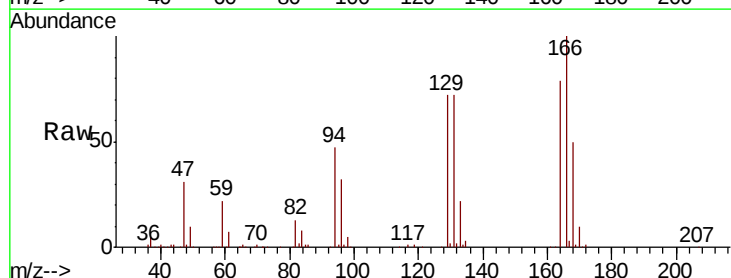
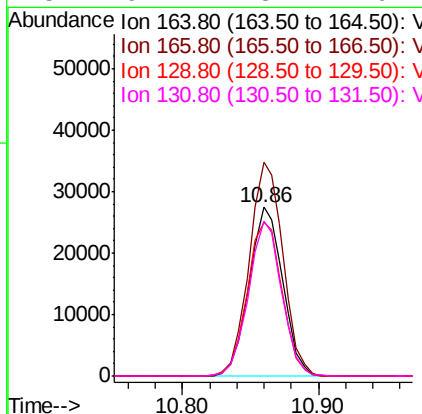
Instrument :
MSVOA_W
ClientSampleId :
VW0821SBSD02

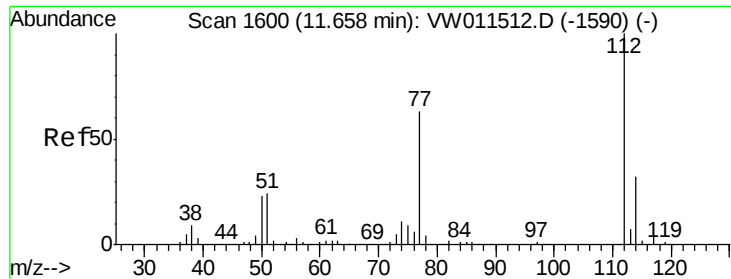
Tgt Ion:117 Resp: 335825
Ion Ratio Lower Upper
117 100
82 59.9 47.9 71.9
119 31.3 26.2 39.2



#64
Tetrachloroethene
Concen: 21.826 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012077.D
Acq: 21 Aug 2019 18:34

Tgt Ion:164 Resp: 47725
Ion Ratio Lower Upper
164 100
166 126.8 103.5 155.3
129 91.0 75.2 112.8
131 91.7 73.4 110.2

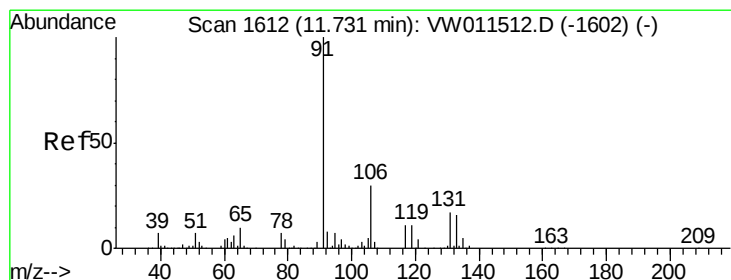
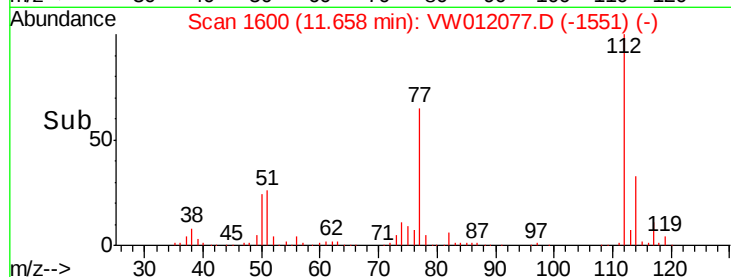
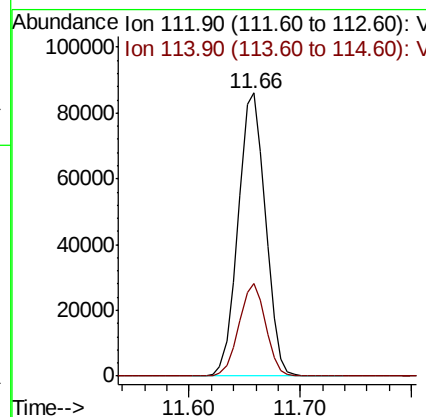
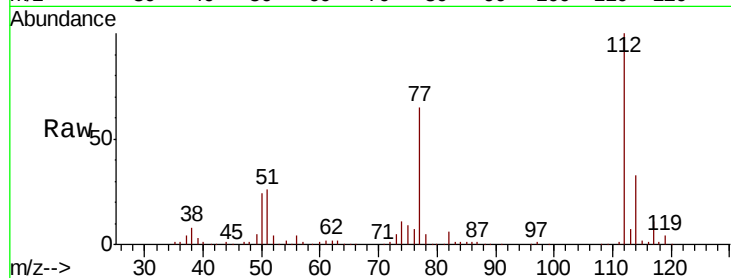




#65
Chlorobenzene
Concen: 21.631 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012077.D
Acq: 21 Aug 2019 18:34

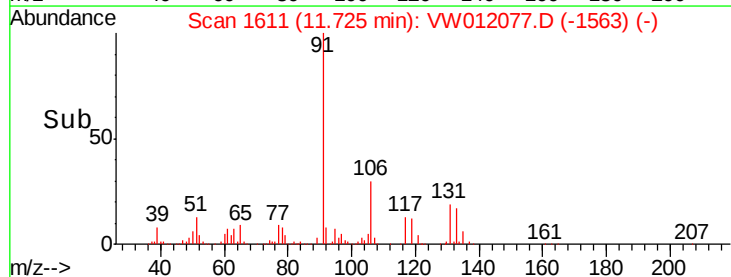
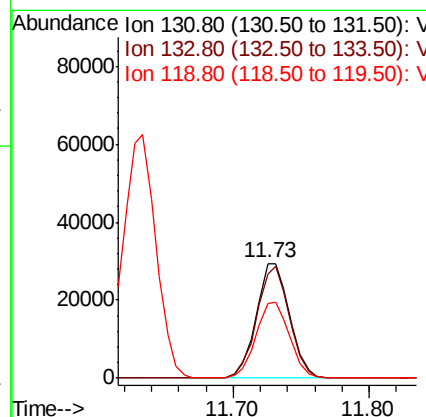
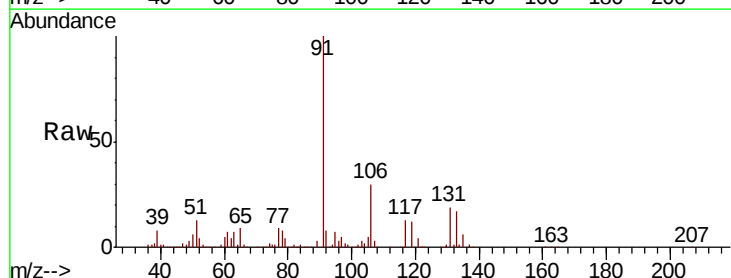
Instrument :
MSVOA_W
ClientSampleId :
VW0821SBSD02

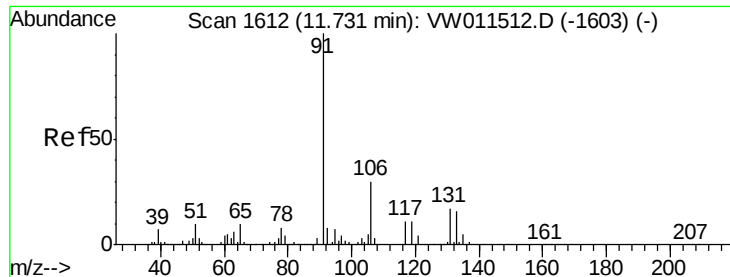
Tgt Ion:112 Resp: 146044
Ion Ratio Lower Upper
112 100
114 32.8 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 21.572 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW012077.D
Acq: 21 Aug 2019 18:34

Tgt Ion:131 Resp: 50733
Ion Ratio Lower Upper
131 100
133 94.8 47.4 142.2
119 66.3 32.3 96.9

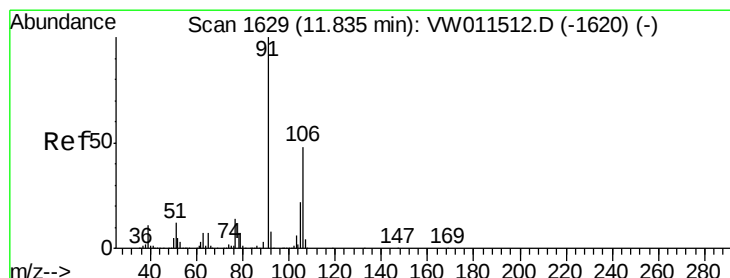
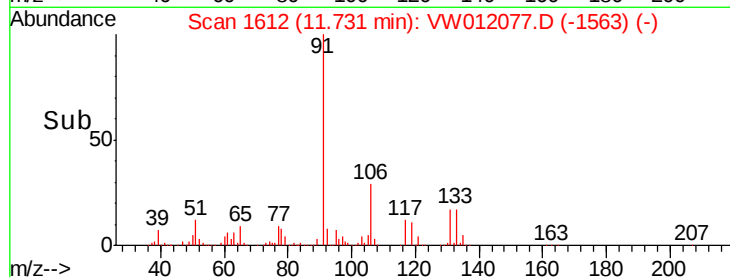
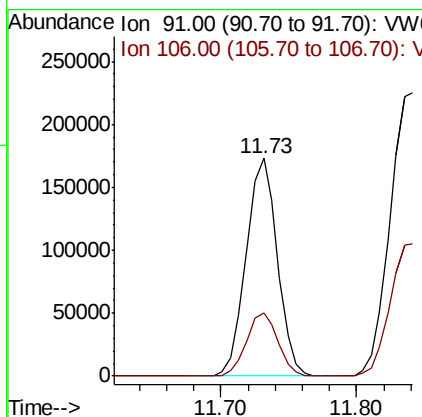
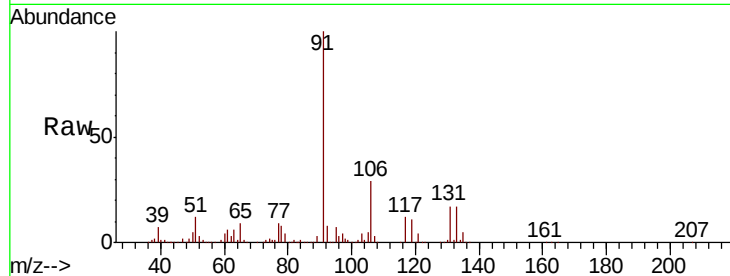




#67
Ethyl Benzene
Concen: 21.742 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012077.D
Acq: 21 Aug 2019 18:34

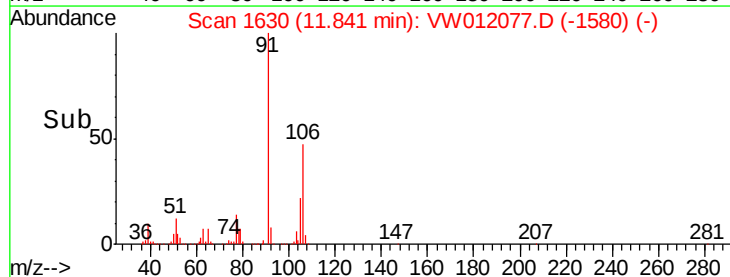
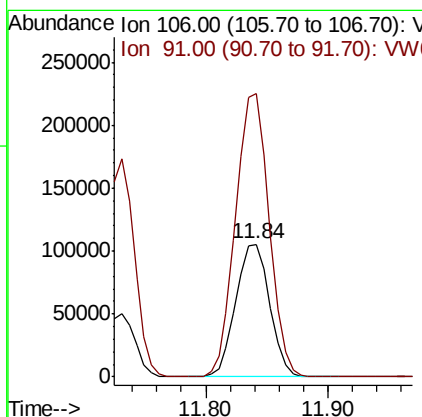
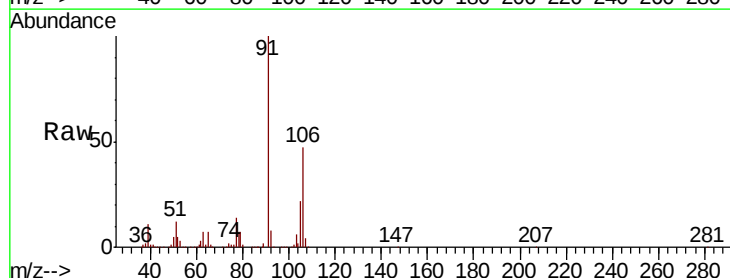
Instrument :
MSVOA_W
ClientSampleId :
VW0821SBSD02

Tgt Ion: 91 Resp: 279582
Ion Ratio Lower Upper
91 100
106 29.3 23.8 35.6



#68
m/p-Xylenes
Concen: 43.378 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW012077.D
Acq: 21 Aug 2019 18:34

Tgt Ion: 106 Resp: 202850
Ion Ratio Lower Upper
106 100
91 211.1 168.2 252.2

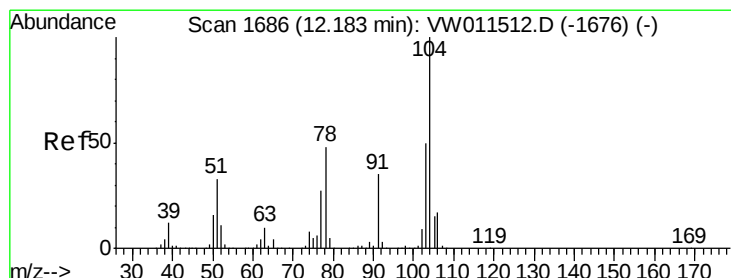
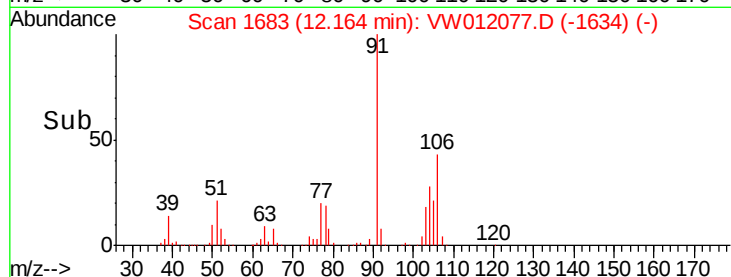
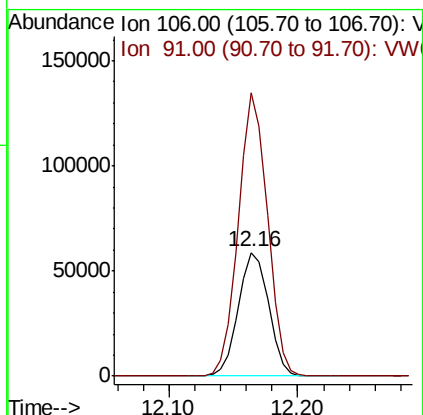
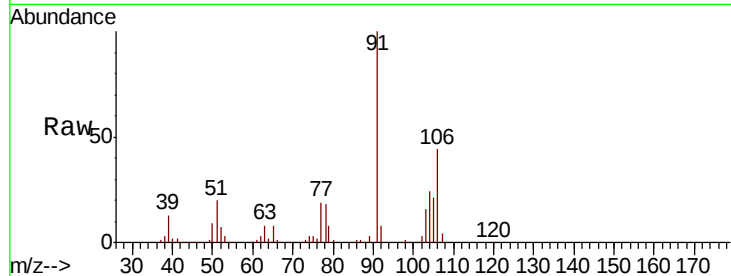




#69
o-Xylene
Concen: 22.065 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012077.D
Acq: 21 Aug 2019 18:34

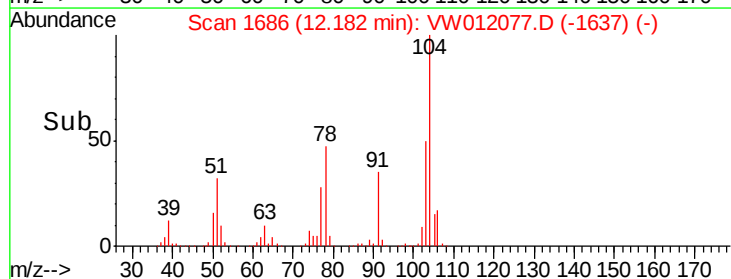
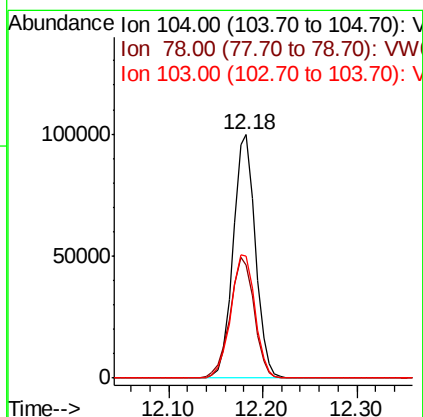
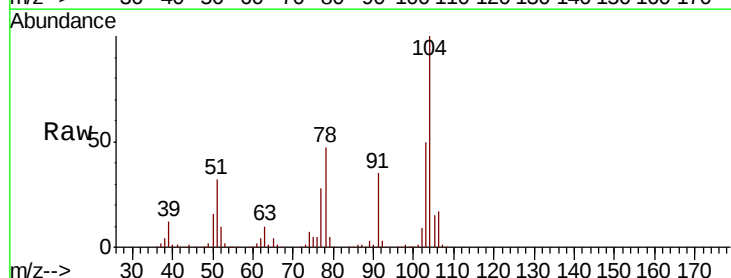
Instrument :
MSVOA_W
ClientSampleId :
VW0821SBSD02

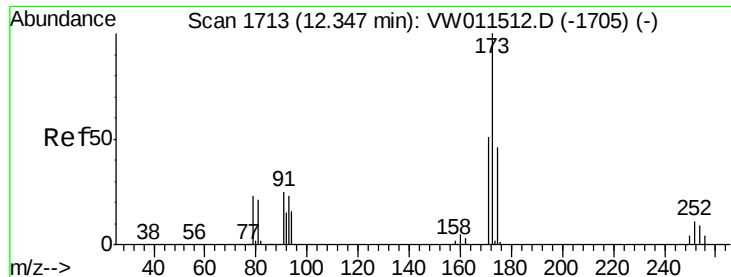
Tgt Ion:106 Resp: 95886
Ion Ratio Lower Upper
106 100
91 220.5 110.5 331.5



#70
Styrene
Concen: 21.736 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012077.D
Acq: 21 Aug 2019 18:34

Tgt Ion:104 Resp: 163314
Ion Ratio Lower Upper
104 100
78 53.9 43.4 65.0
103 55.1 43.9 65.9





#71

Bromoform

Concen: 21.479 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW012077.D

Acq: 21 Aug 2019 18:34

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBSD02

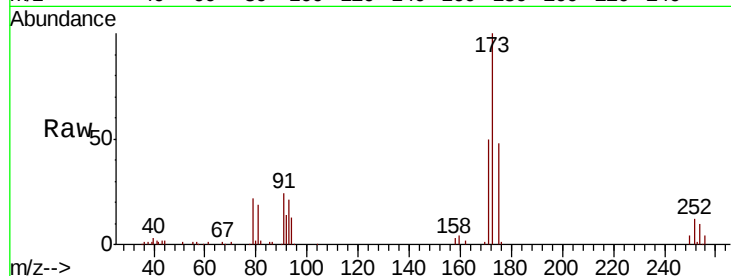
Tgt Ion:173 Resp: 25755

Ion Ratio Lower Upper

173 100

175 49.1 23.6 71.0

254 0.2 0.1 0.1#

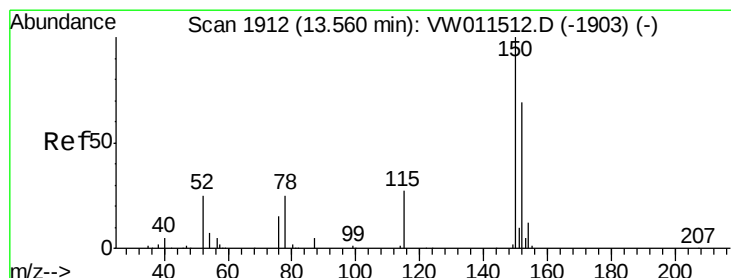
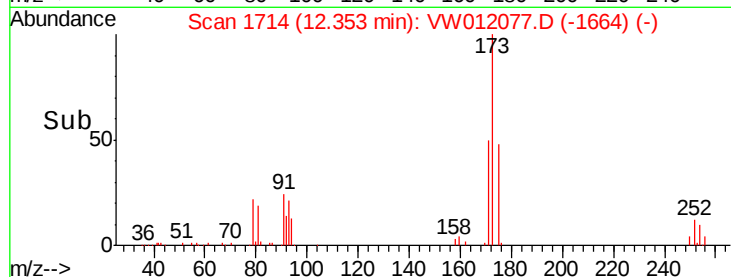
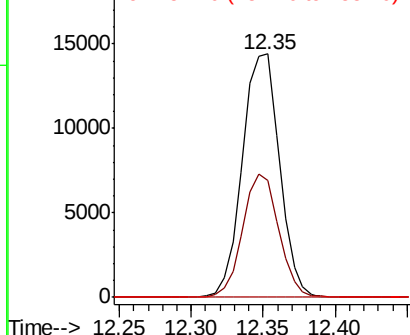


Abundance

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: VW012077.D

Acq: 21 Aug 2019 18:34

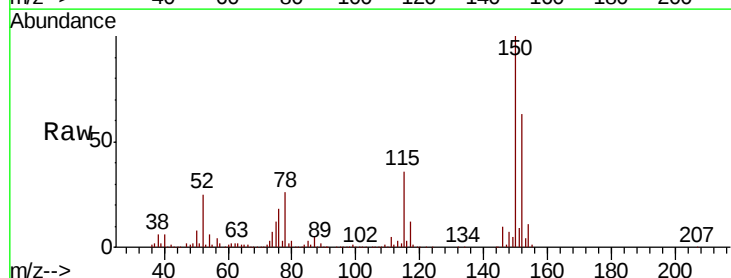
Tgt Ion:152 Resp: 163741

Ion Ratio Lower Upper

152 100

115 60.2 30.5 91.5

150 163.2 0.0 352.6

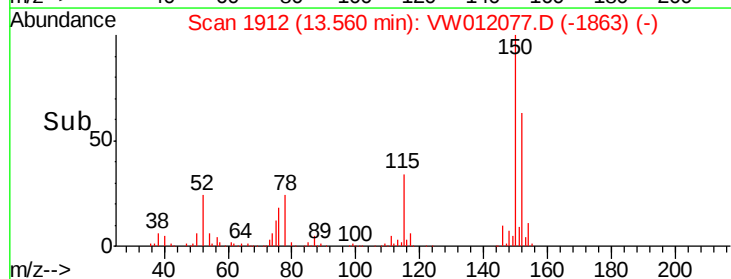
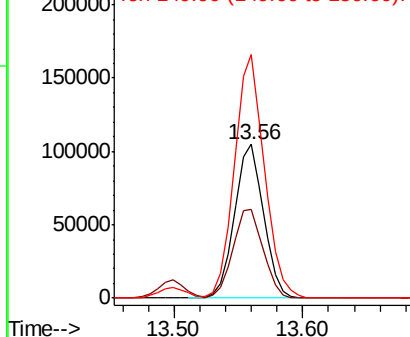


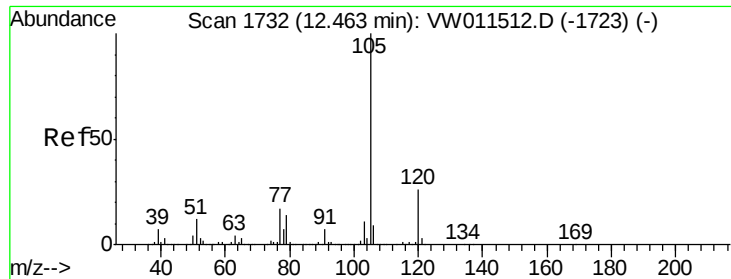
Abundance

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: 21.985 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012077.D

Acq: 21 Aug 2019 18:34

Instrument :

MSVOA_W

ClientSampleId :

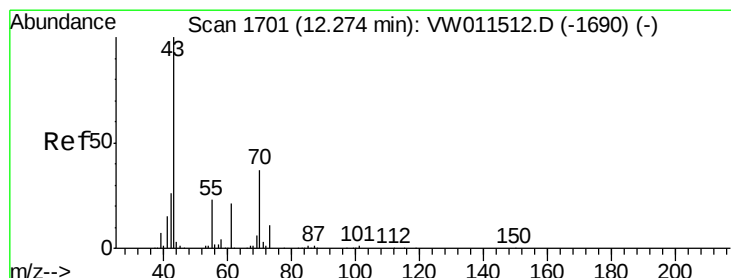
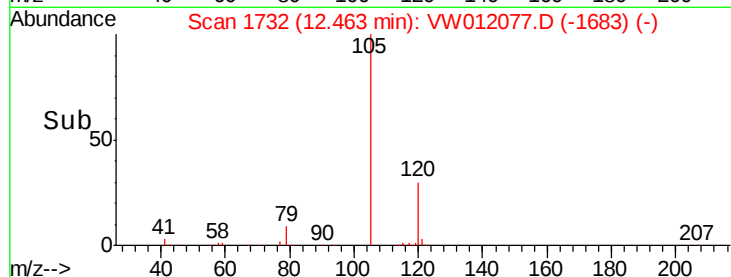
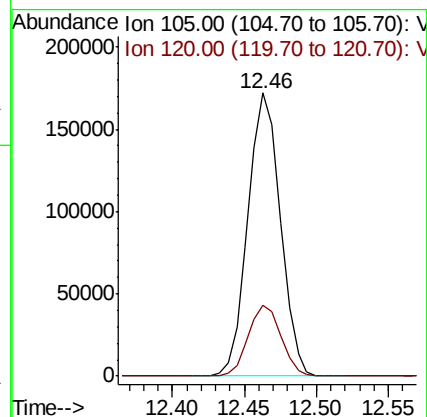
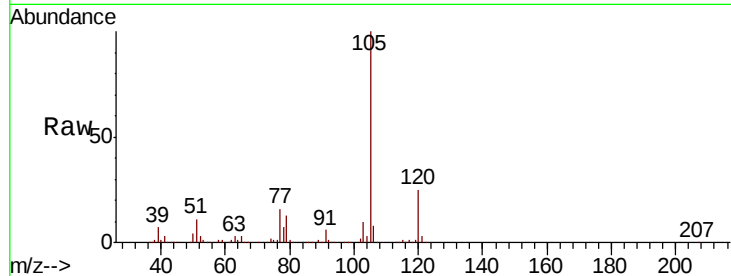
VW0821SBSD02

Tgt Ion:105 Resp: 268554

Ion Ratio Lower Upper

105 100

120 25.2 12.9 38.7



#74

N-ethyl acetate

Concen: 21.465 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012077.D

Acq: 21 Aug 2019 18:34

Tgt Ion: 43 Resp: 82090

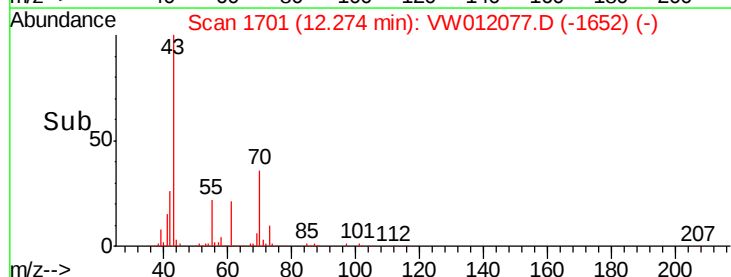
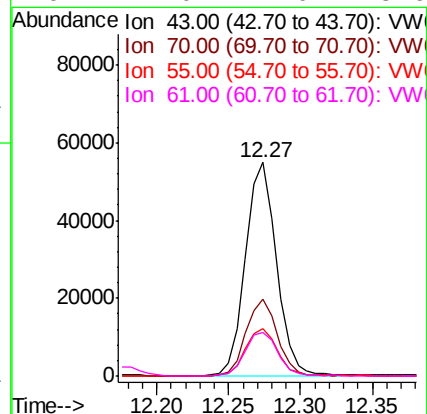
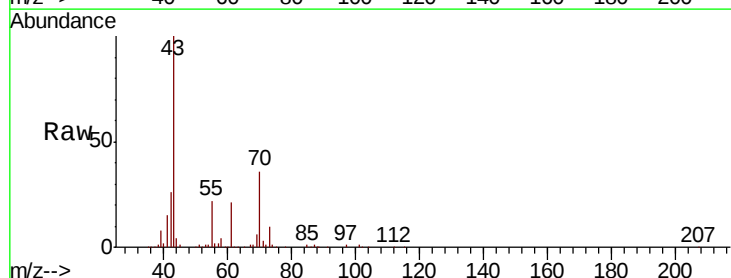
Ion Ratio Lower Upper

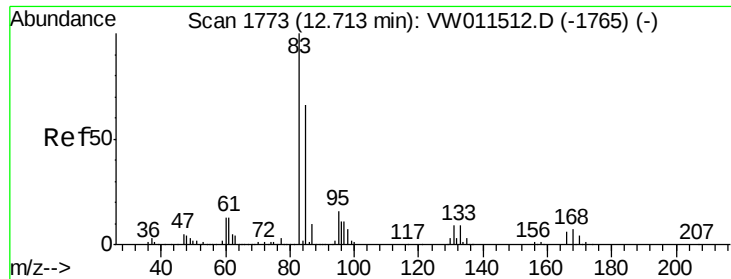
43 100

70 36.5 28.6 43.0

55 22.9 17.8 26.8

61 22.0 17.0 25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.933 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012077.D

Acq: 21 Aug 2019 18:34

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBSD02

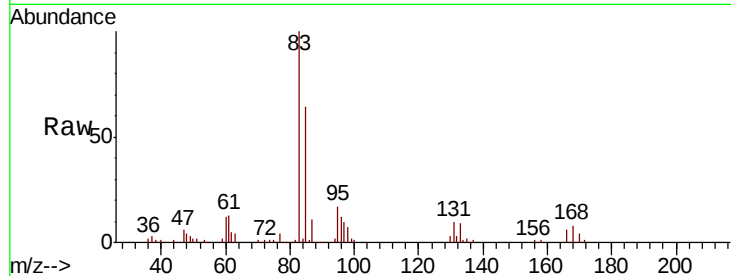
Tgt Ion: 83 Resp: 50395

Ion Ratio Lower Upper

83 100

131 10.2 4.9 14.6

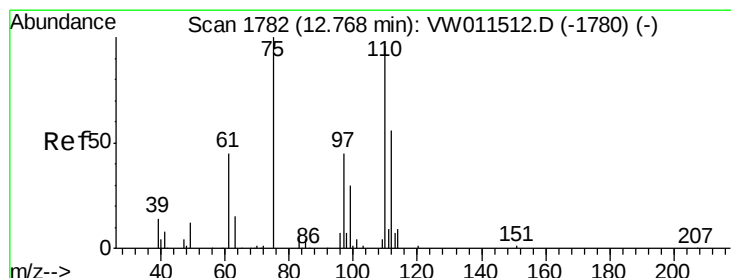
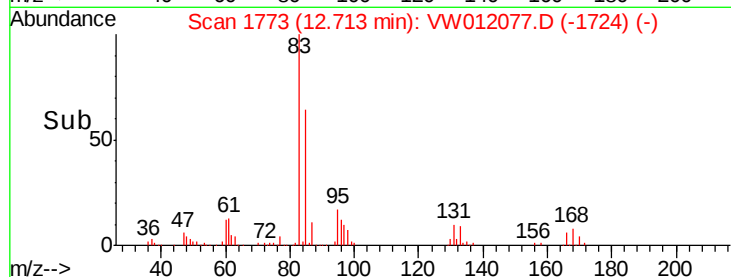
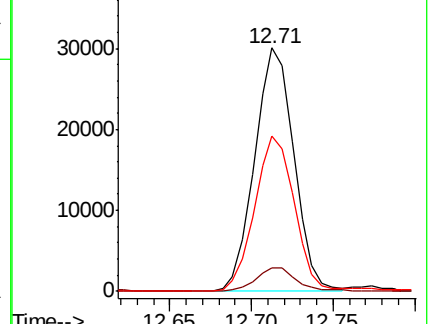
85 64.3 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 38.330 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW012077.D

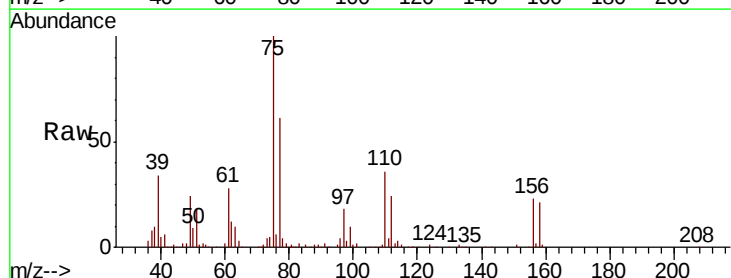
Acq: 21 Aug 2019 18:34

Tgt Ion: 75 Resp: 66409

Ion Ratio Lower Upper

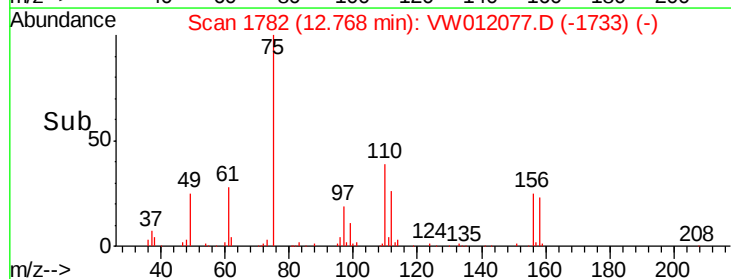
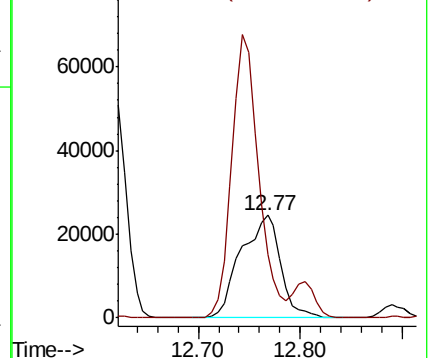
75 100

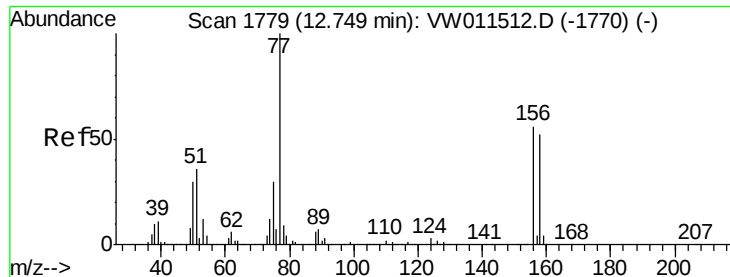
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 21.676 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW012077.D

Acq: 21 Aug 2019 18:34

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBSD02

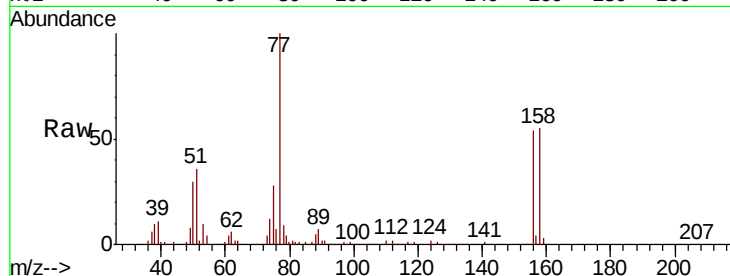
Tgt Ion:156 Resp: 58524

Ion Ratio Lower Upper

156 100

77 211.7 106.5 319.4

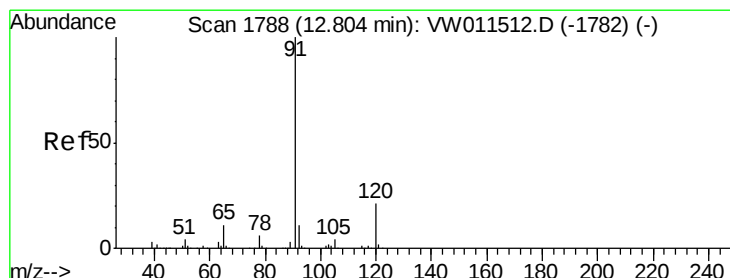
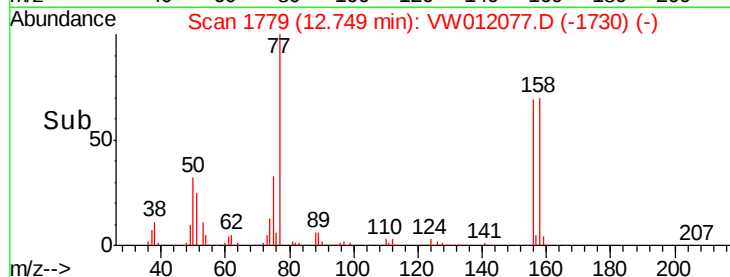
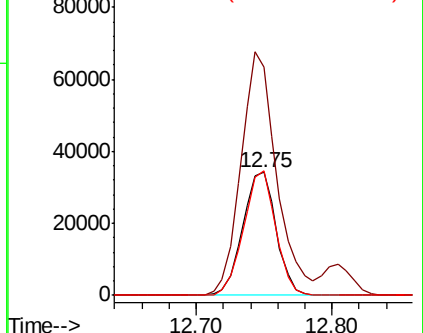
158 97.4 48.0 144.2



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: 21.700 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012077.D

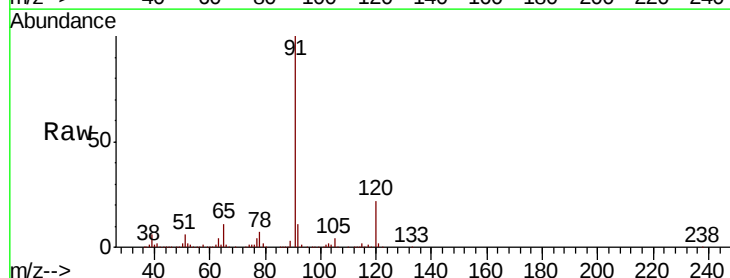
Acq: 21 Aug 2019 18:34

Tgt Ion: 91 Resp: 322592

Ion Ratio Lower Upper

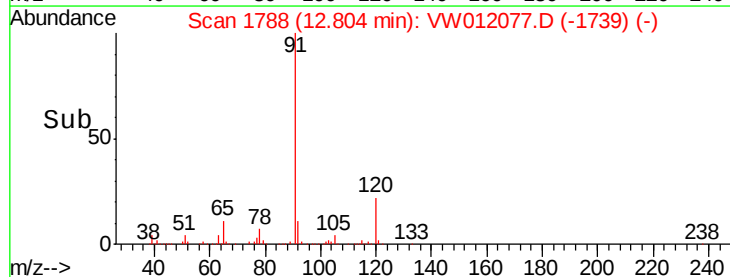
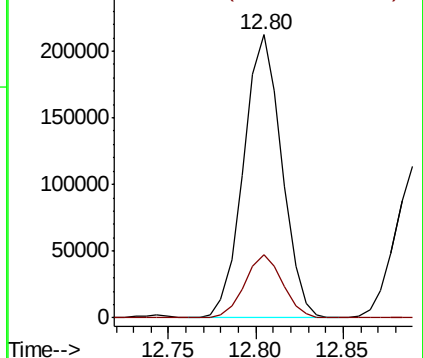
91 100

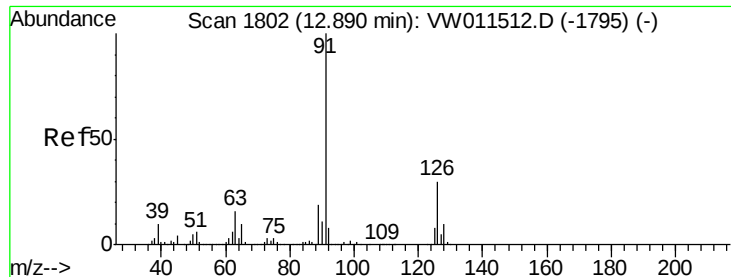
120 22.1 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.522 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012077.D

Acq: 21 Aug 2019 18:34

Instrument :

MSVOA_W

ClientSampleId :

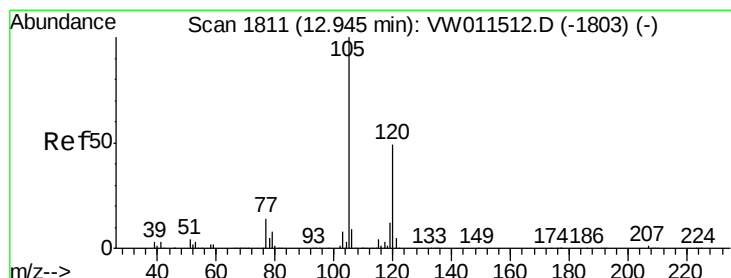
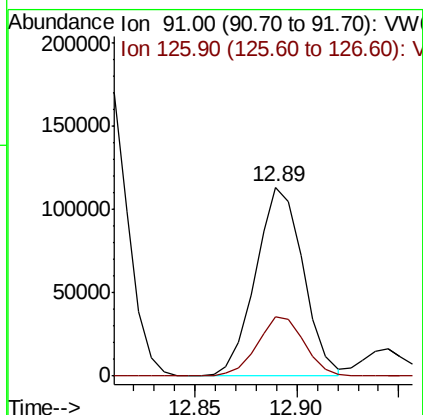
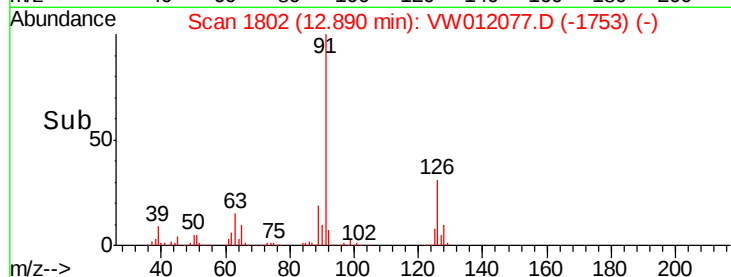
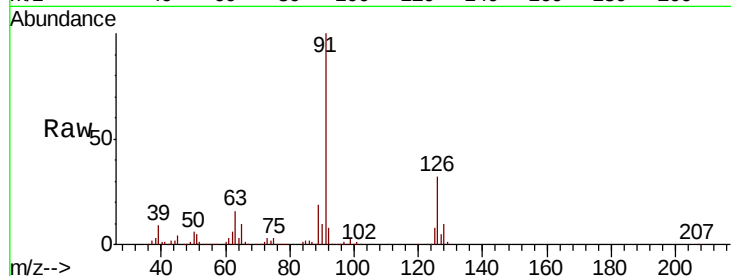
VW0821SBS02

Tgt Ion: 91 Resp: 184325

Ion Ratio Lower Upper

91 100

126 31.3 15.7 47.1



#80

1,3,5-Trimethylbenzene

Concen: 21.871 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012077.D

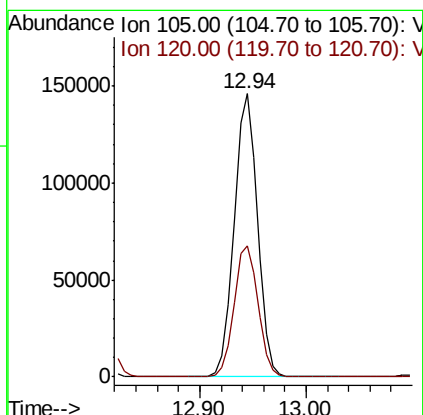
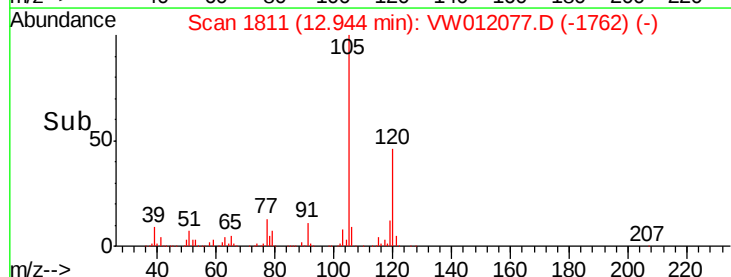
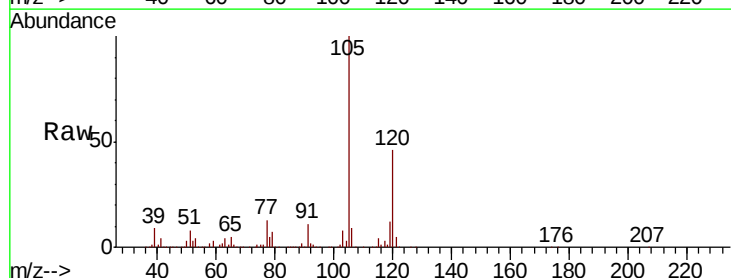
Acq: 21 Aug 2019 18:34

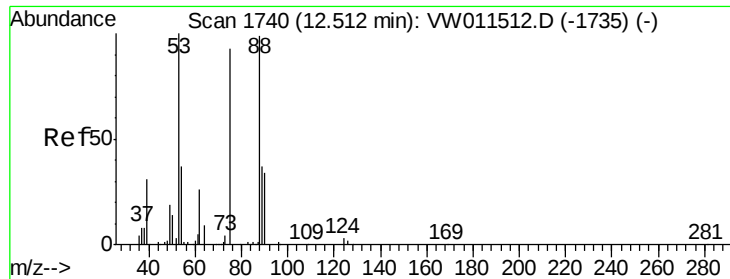
Tgt Ion: 105 Resp: 223951

Ion Ratio Lower Upper

105 100

120 47.7 24.1 72.3





#81

trans-1,4-Dichloro-2-butene

Concen: 20.905 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012077.D

Acq: 21 Aug 2019 18:34

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBSD02

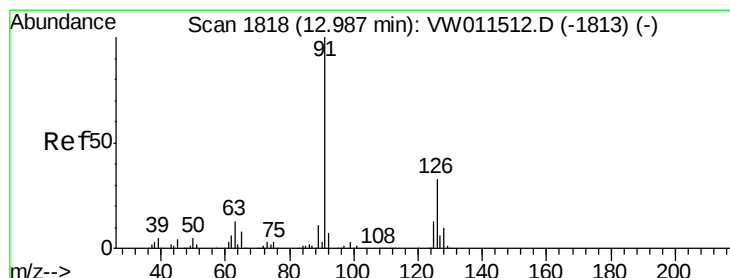
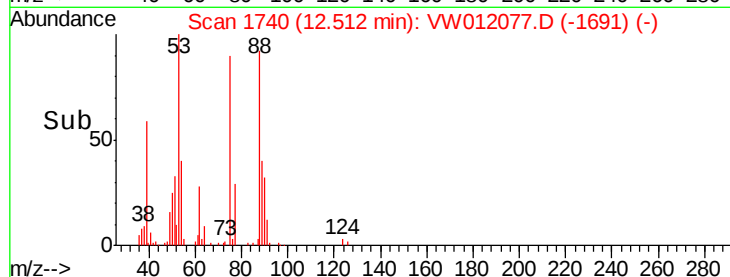
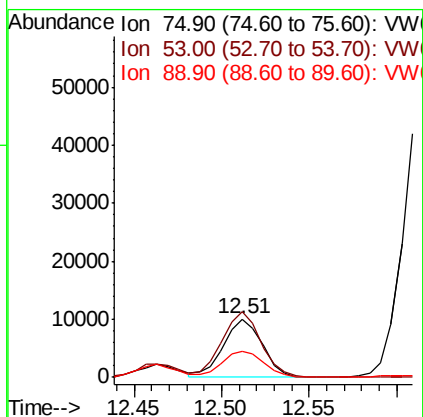
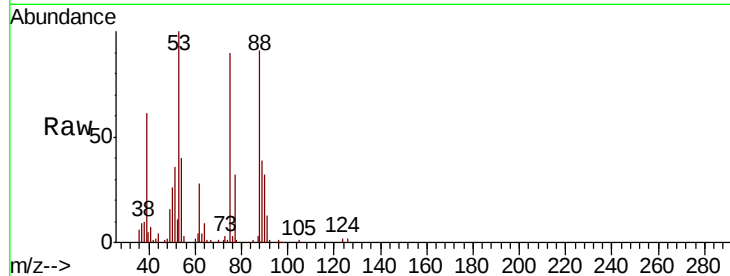
Tgt Ion: 75 Resp: 15716

Ion Ratio Lower Upper

75 100

53 113.2 88.0 132.0

89 45.5 35.3 52.9



#82

4-Chlorotoluene

Concen: 21.529 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW012077.D

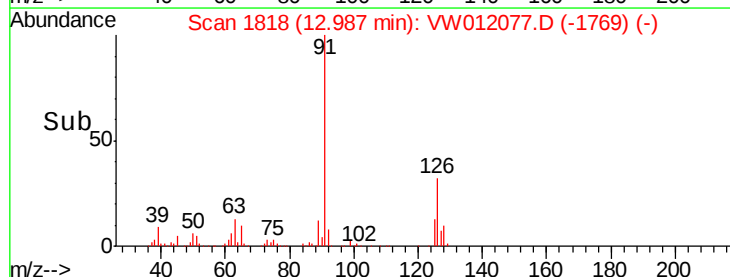
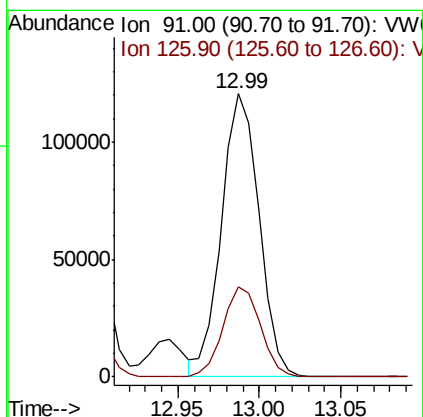
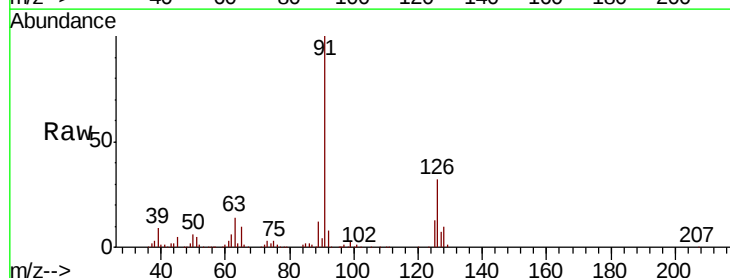
Acq: 21 Aug 2019 18:34

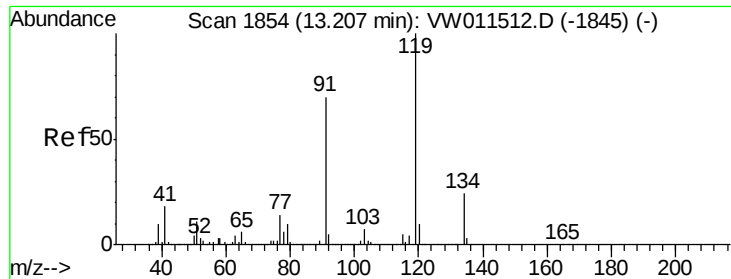
Tgt Ion: 91 Resp: 193457

Ion Ratio Lower Upper

91 100

126 31.8 15.6 46.8

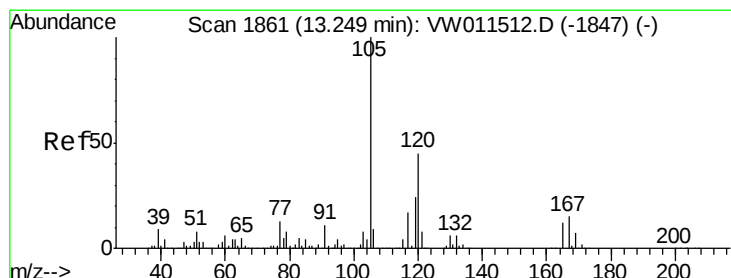
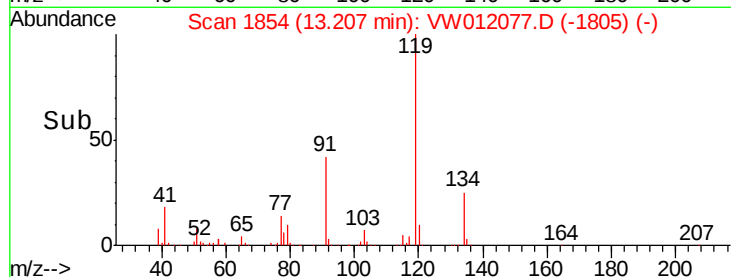
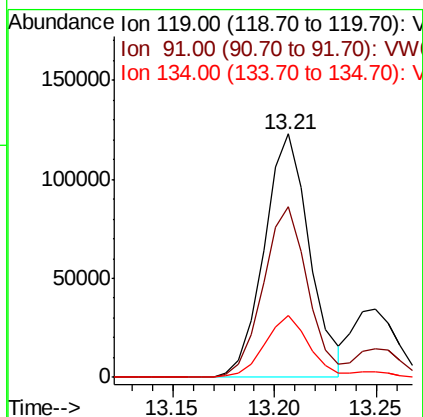
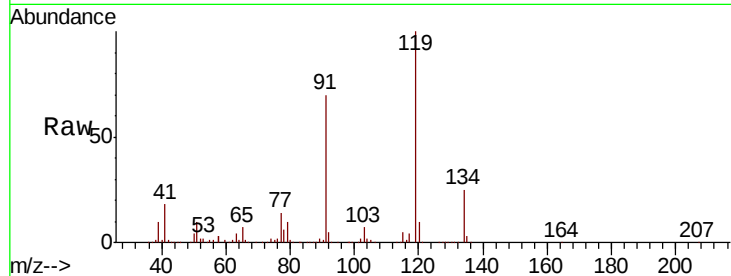




#83
tert-Butylbenzene
Concen: 22.315 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012077.D
Acq: 21 Aug 2019 18:34

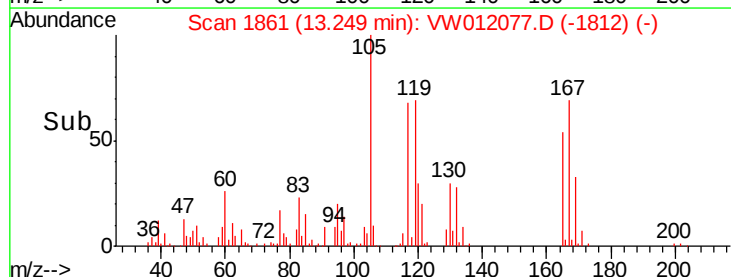
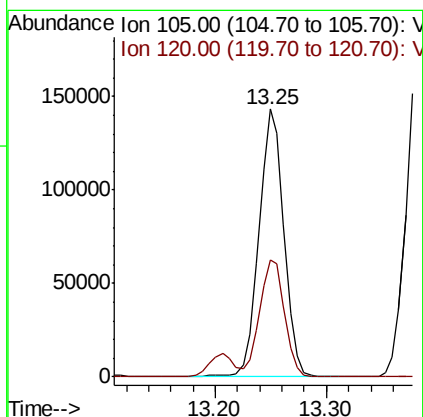
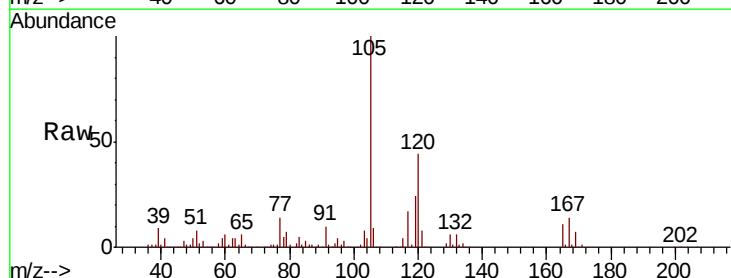
Instrument :
MSVOA_W
ClientSampleId :
VW0821SBSD02

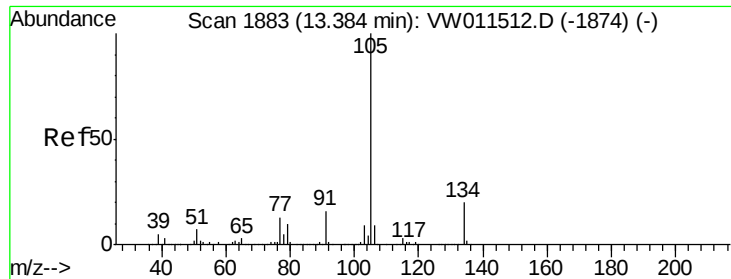
Tgt Ion:119 Resp: 191076
Ion Ratio Lower Upper
119 100
91 68.5 34.5 103.6
134 24.7 12.4 37.4



#84
1,2,4-Trimethylbenzene
Concen: 21.659 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012077.D
Acq: 21 Aug 2019 18:34

Tgt Ion:105 Resp: 223410
Ion Ratio Lower Upper
105 100
120 43.5 22.1 66.5





#85

sec-Butylbenzene

Concen: 22.177 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012077.D

Acq: 21 Aug 2019 18:34

Instrument :

MSVOA_W

ClientSampleId :

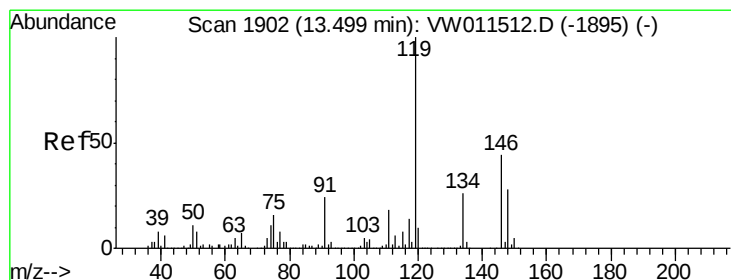
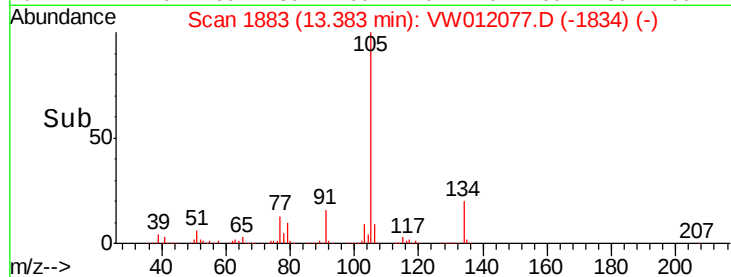
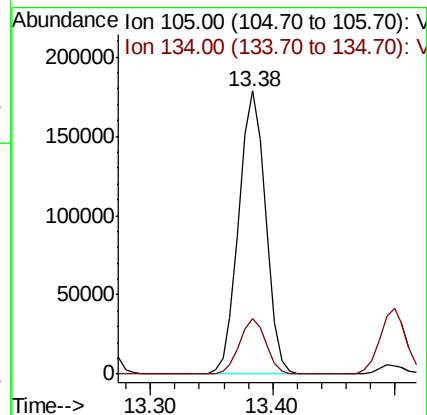
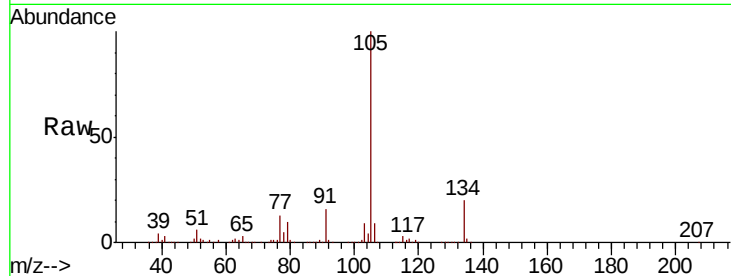
VW0821SBSD02

Tgt Ion:105 Resp: 270958

Ion Ratio Lower Upper

105 100

134 19.4 9.7 29.1



#86

p-Isopropyltoluene

Concen: 21.754 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012077.D

Acq: 21 Aug 2019 18:34

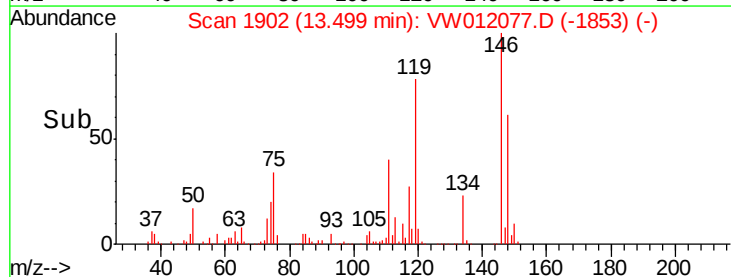
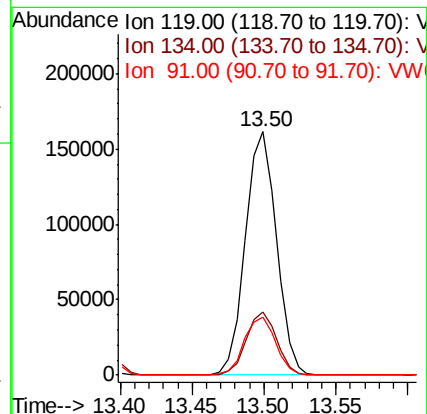
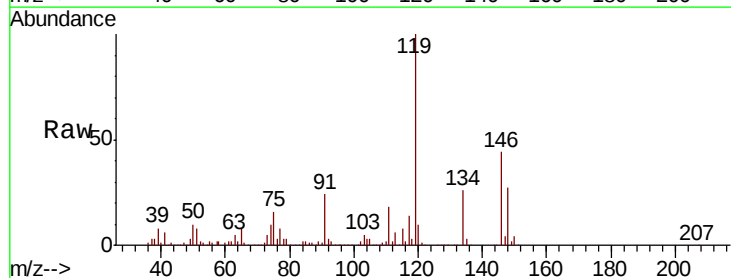
Tgt Ion:119 Resp: 241162

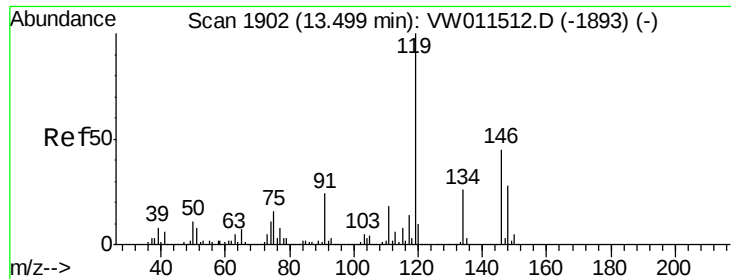
Ion Ratio Lower Upper

119 100

134 25.4 12.8 38.4

91 24.0 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 21.154 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012077.D

Acq: 21 Aug 2019 18:34

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBSD02

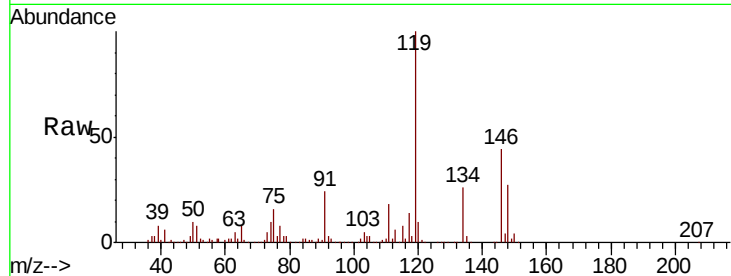
Tgt Ion:146 Resp: 111989

Ion Ratio Lower Upper

146 100

111 41.4 20.5 61.6

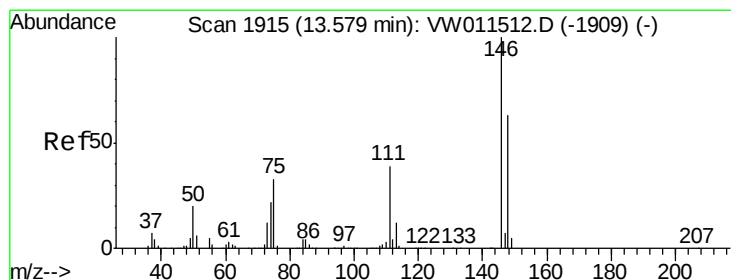
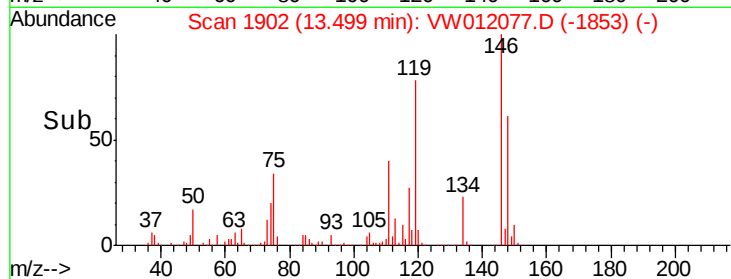
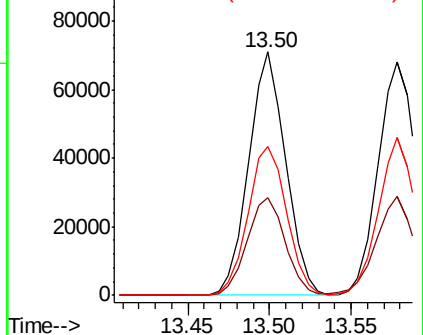
148 63.9 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 21.001 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW012077.D

Acq: 21 Aug 2019 18:34

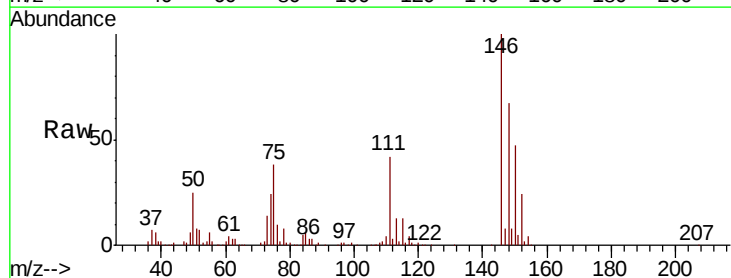
Tgt Ion:146 Resp: 110601

Ion Ratio Lower Upper

146 100

111 42.4 20.1 60.2

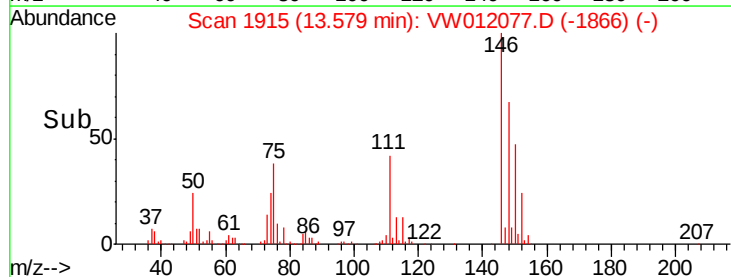
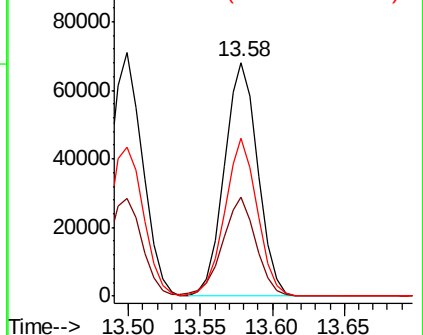
148 65.9 31.9 95.9

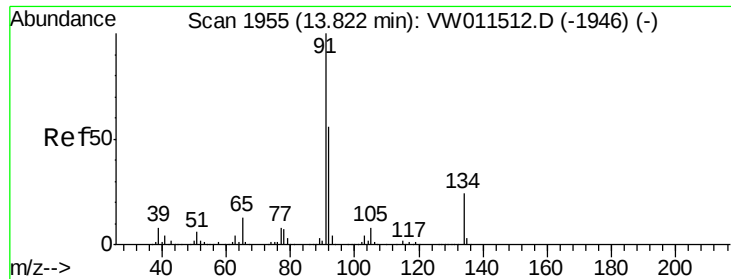


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 21.468 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012077.D

Acq: 21 Aug 2019 18:34

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBS02

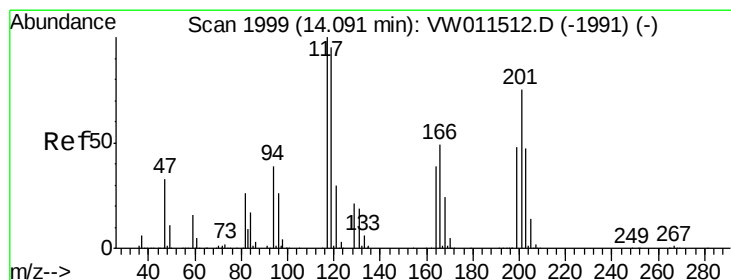
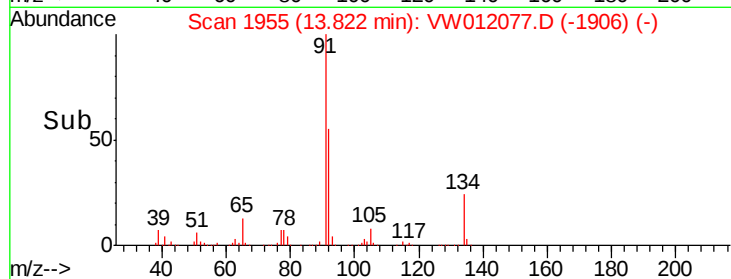
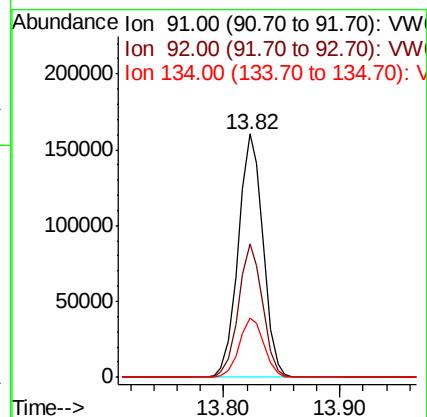
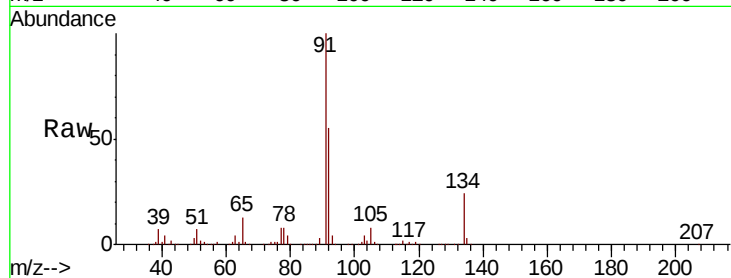
Tgt Ion: 91 Resp: 237495

Ion Ratio Lower Upper

91 100

92 53.6 27.5 82.4

134 24.3 12.2 36.6



#90

Hexachloroethane

Concen: 20.923 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW012077.D

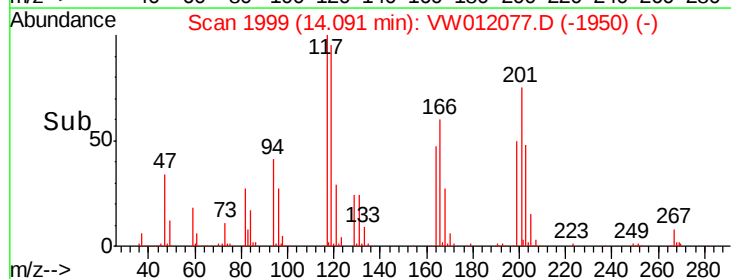
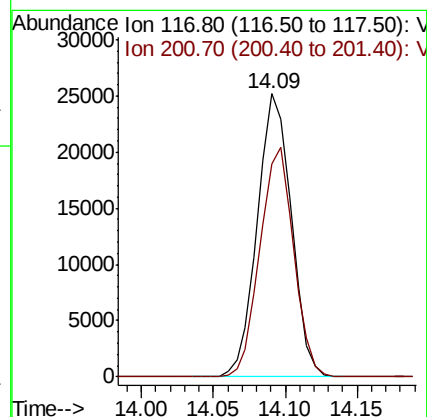
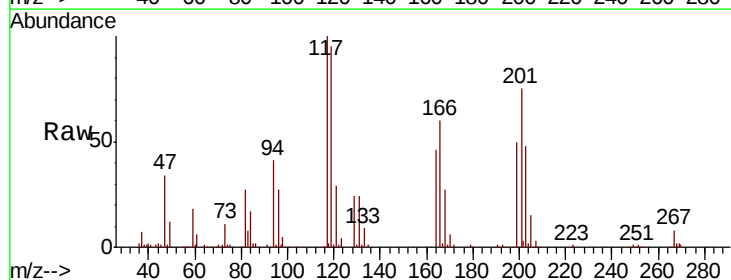
Acq: 21 Aug 2019 18:34

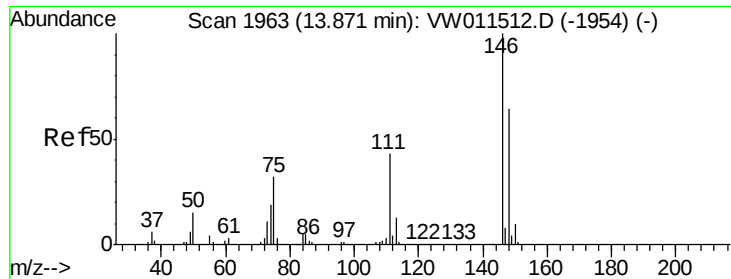
Tgt Ion: 117 Resp: 41015

Ion Ratio Lower Upper

117 100

201 80.7 39.4 118.2

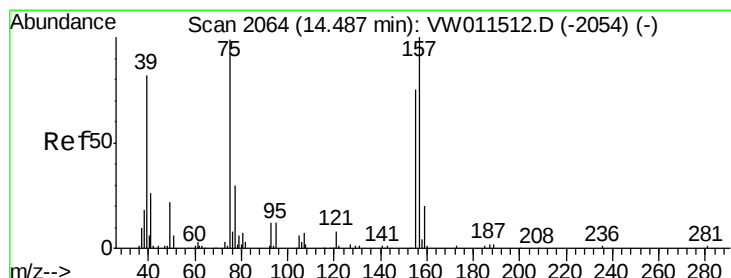
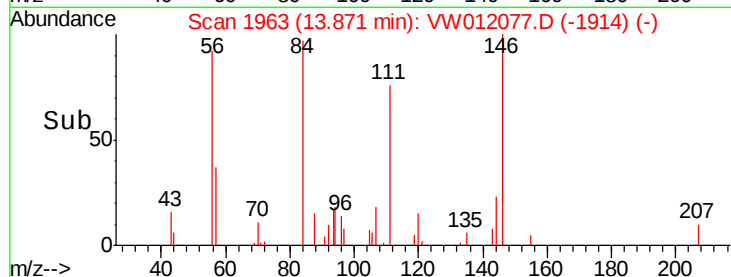
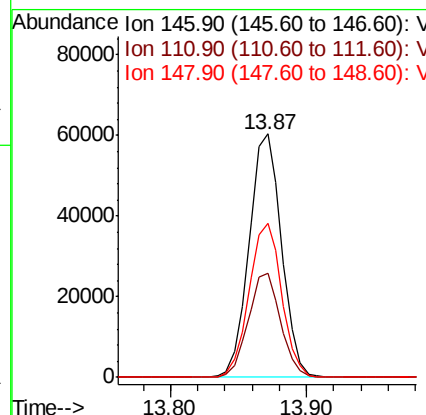
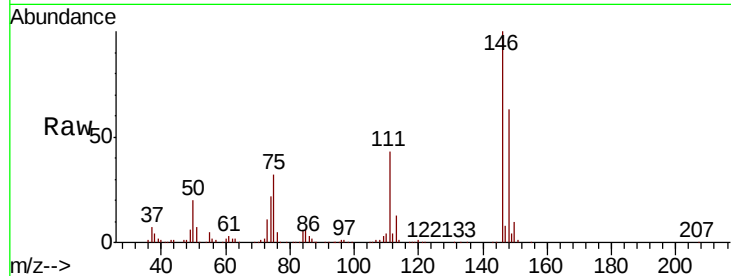




#91
 1,2-Dichlorobenzene
 Concen: 21.508 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012077.D
 Acq: 21 Aug 2019 18:34

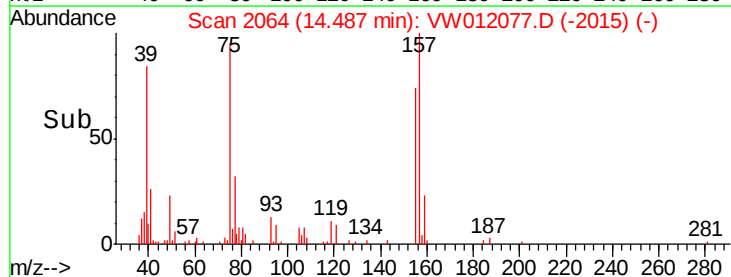
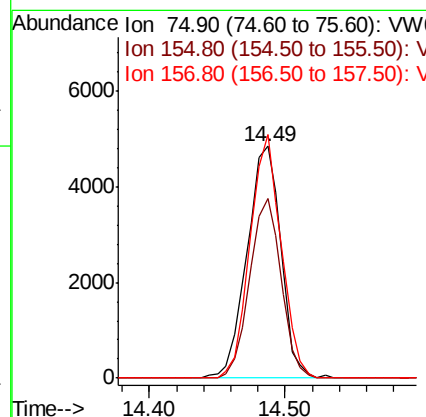
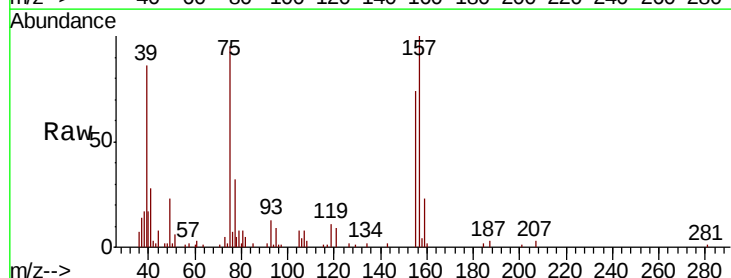
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0821SBSD02

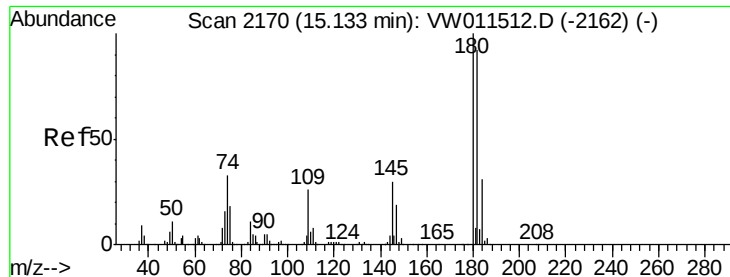
Tgt Ion: 146 Resp: 100707
 Ion Ratio Lower Upper
 146 100
 111 42.7 21.6 65.0
 148 63.6 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.599 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW012077.D
 Acq: 21 Aug 2019 18:34

Tgt Ion: 75 Resp: 8463
 Ion Ratio Lower Upper
 75 100
 155 72.1 38.2 114.6
 157 96.5 48.9 146.7

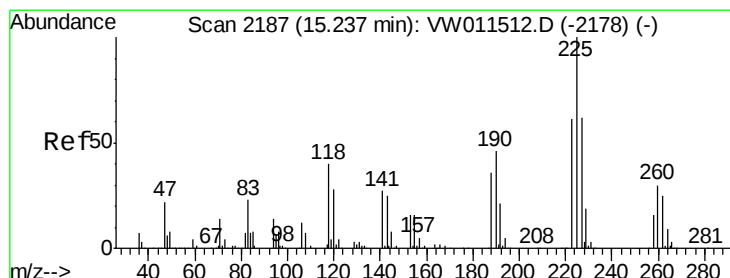
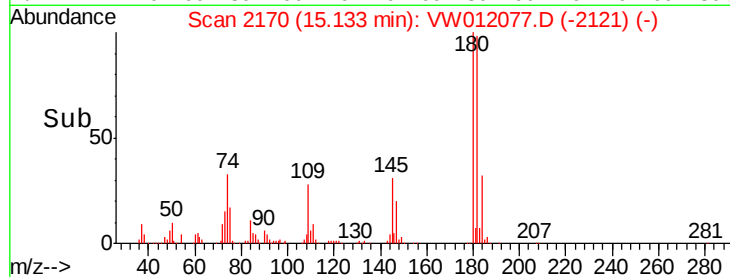
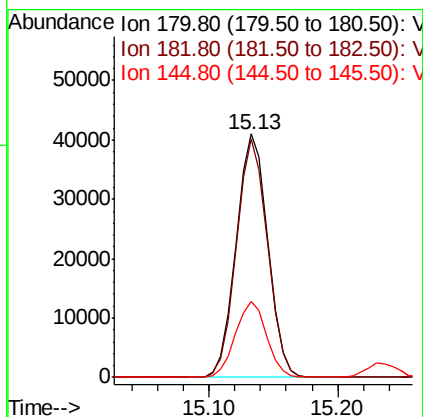
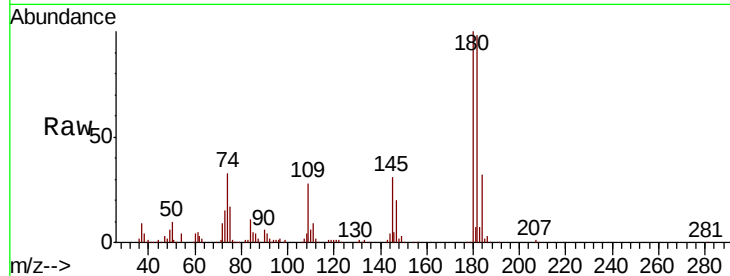




#93
 1,2,4-Trichlorobenzene
 Concen: 21.082 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012077.D
 Acq: 21 Aug 2019 18:34

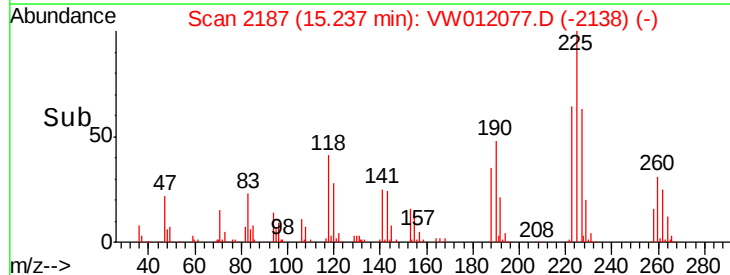
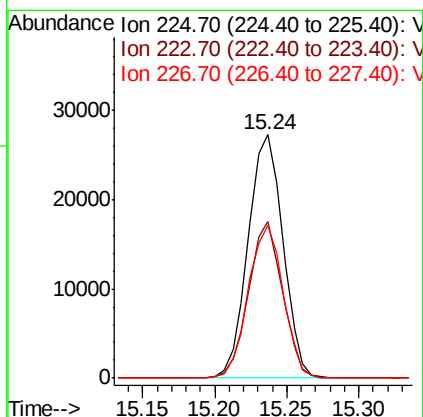
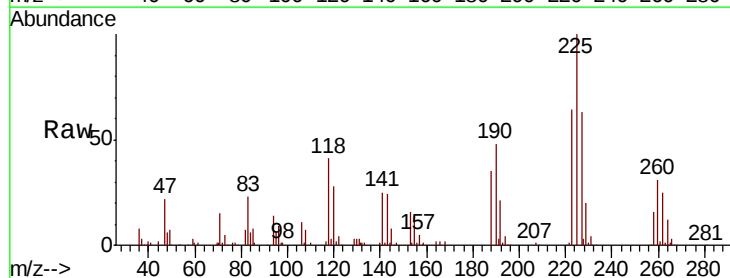
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0821SBS02

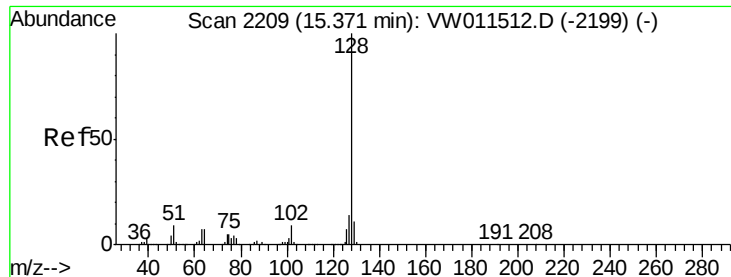
Tgt Ion:180 Resp: 69569
 Ion Ratio Lower Upper
 180 100
 182 96.3 47.4 142.2
 145 30.9 15.4 46.1



#94
 Hexachlorobutadiene
 Concen: 22.181 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012077.D
 Acq: 21 Aug 2019 18:34

Tgt Ion:225 Resp: 45647
 Ion Ratio Lower Upper
 225 100
 223 62.5 30.8 92.3
 227 62.7 31.6 94.7

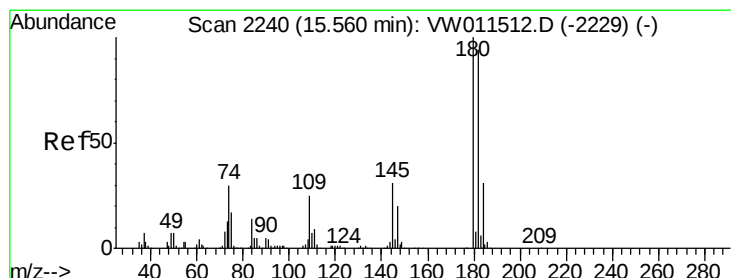
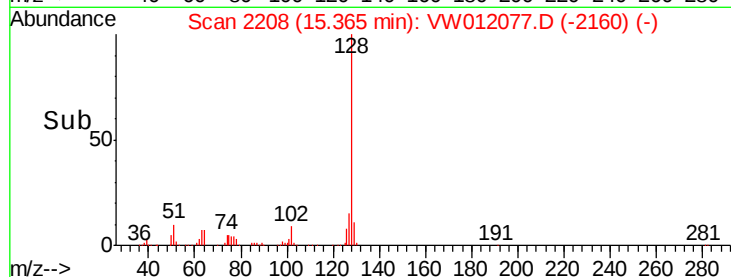
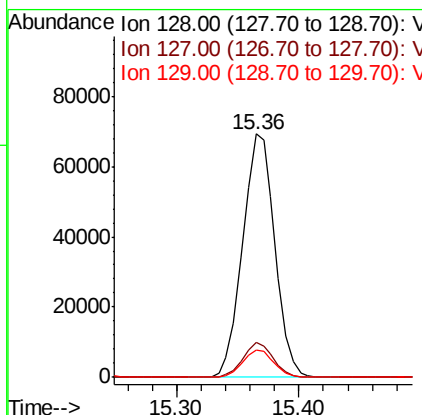
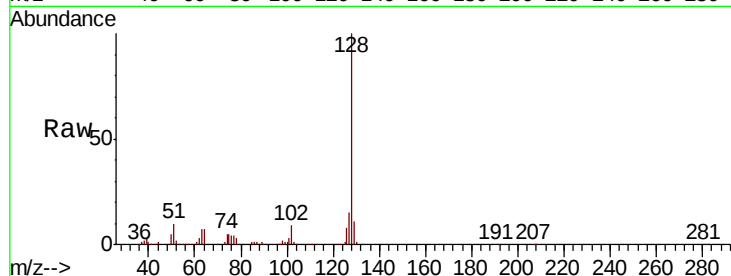




#95
Naphthalene
Concen: 20.814 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW012077.D
Acq: 21 Aug 2019 18:34

Instrument :
MSVOA_W
ClientSampleId :
VW0821SBSD02

Tgt Ion:128 Resp: 126416
Ion Ratio Lower Upper
128 100
127 13.6 10.6 16.0
129 11.0 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 21.691 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW012077.D
Acq: 21 Aug 2019 18:34

Tgt Ion:180 Resp: 62743
Ion Ratio Lower Upper
180 100
182 94.6 47.4 142.2
145 30.7 15.9 47.7

