

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100219\
 Data File : VW013402.D
 Acq On : 03 Oct 2019 03:44
 Operator : SY/VA
 Sample : VW1002SBSD02
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1002SBSD02

Quant Time: Oct 03 07:08:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 02 11:49:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	302086	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	422885	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	364142	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	185121	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	134056	59.43	ug/l	0.00
Spiked Amount			Recovery	=	118.86%	
35) Dibromofluoromethane	7.88	113	127582	57.50	ug/l	0.00
Spiked Amount			Recovery	=	115.00%	
50) Toluene-d8	10.32	98	530404	57.60	ug/l	0.00
Spiked Amount			Recovery	=	115.20%	
62) 4-Bromofluorobenzene	12.62	95	177367	57.68	ug/l	0.00
Spiked Amount			Recovery	=	115.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	26653	22.811	ug/l	100
3) Chloromethane	2.20	50	42140	21.856	ug/l	98
4) Vinyl Chloride	2.35	62	58893	21.522	ug/l	98
5) Bromomethane	2.76	94	33971	20.207	ug/l	97
6) Chloroethane	2.91	64	31482	19.924	ug/l	100
7) Trichlorofluoromethane	3.25	101	22036	18.562	ug/l	89
8) Diethyl Ether	3.67	74	29394	21.392	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	57880	21.991	ug/l	99
10) Methyl Iodide	4.26	142	83606	19.670	ug/l	99
11) Tert butyl alcohol	5.18	59	30946	159.063	ug/l #	87
12) 1,1-Dichloroethene	4.04	96	56558	20.338	ug/l	98
13) Acrolein	3.89	56	22906	106.768	ug/l	98
14) Allyl chloride	4.66	41	81106	19.716	ug/l	97
15) Acrylonitrile	5.36	53	81483	131.179	ug/l	98
16) Acetone	4.12	43	62914	90.997	ug/l	91
17) Carbon Disulfide	4.38	76	157563	20.310	ug/l	99
18) Methyl Acetate	4.67	43	48811	30.163	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	92487	22.597	ug/l	96
20) Methylene Chloride	4.90	84	62529	20.612	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	61585	20.796	ug/l	100
22) Diisopropyl ether	6.31	45	167537	21.089	ug/l	99
23) Vinyl Acetate	6.25	43	516821	108.416	ug/l	99
24) 1,1-Dichloroethane	6.21	63	100393	20.747	ug/l	97
25) 2-Butanone	7.17	43	105882	119.685	ug/l	95
26) 2,2-Dichloropropane	7.17	77	53714	18.128	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	64090	20.675	ug/l	97
28) Bromochloromethane	7.51	49	33723	19.275	ug/l	98
29) Tetrahydrofuran	7.53	42	70633	141.639	ug/l	98
30) Chloroform	7.67	83	97521	20.553	ug/l	99
31) Cyclohexane	7.95	56	112901	21.879	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	80742	21.721	ug/l	99
36) 1,1-Dichloropropene	8.08	75	87222	22.206	ug/l	98
37) Ethyl Acetate	7.25	43	47865	27.679	ug/l	98
38) Carbon Tetrachloride	8.06	117	77331	22.728	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100219\
 Data File : VW013402.D
 Acq On : 03 Oct 2019 03:44
 Operator : SY/VA
 Sample : VW1002SBSD02
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1002SBSD02

Quant Time: Oct 03 07:08:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 02 11:49:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	119445	23.091	ug/l	97
40) Benzene	8.32	78	239073	21.502	ug/l	99
41) Methacrylonitrile	7.48	41	27016	25.848	ug/l	96
42) 1,2-Dichloroethane	8.40	62	63714	22.296	ug/l	98
43) Isopropyl Acetate	8.42	43	80471	24.665	ug/l	99
44) Trichloroethene	9.09	130	68201	21.782	ug/l	94
45) 1,2-Dichloropropane	9.37	63	57731	21.625	ug/l	98
46) Dibromomethane	9.46	93	30379	22.847	ug/l	95
47) Bromodichloromethane	9.64	83	71072	21.712	ug/l	98
48) Methyl methacrylate	9.43	41	41278	26.331	ug/l	97
49) 1,4-Dioxane	9.46	88	13187	635.491	ug/l #	92
51) 4-Methyl-2-Pentanone	10.21	43	227091	132.479	ug/l	97
52) Toluene	10.38	92	153814	21.448	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	72244	21.218	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	85499	20.711	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	46530	23.457	ug/l	97
56) Ethyl methacrylate	10.64	69	63705	23.860	ug/l	98
57) 1,3-Dichloropropane	10.93	76	78916	22.885	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	139615	127.300	ug/l	97
59) 2-Hexanone	10.97	43	156101	131.383	ug/l	100
60) Dibromochloromethane	11.13	129	49802	21.946	ug/l	100
61) 1,2-Dibromoethane	11.23	107	45450	23.712	ug/l	99
64) Tetrachloroethene	10.86	164	66740	24.091	ug/l	95
65) Chlorobenzene	11.66	112	160632	21.532	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	55285	21.758	ug/l	99
67) Ethyl Benzene	11.73	91	292926	21.908	ug/l	97
68) m/p-Xylenes	11.84	106	223120	43.233	ug/l	100
69) o-Xylene	12.16	106	103788	21.751	ug/l	96
70) Styrene	12.18	104	175013	21.456	ug/l	99
71) Bromoform	12.35	173	33334	24.197	ug/l #	98
73) Isopropylbenzene	12.46	105	291624	21.536	ug/l	100
74) N-amyl acetate	12.27	43	69611	24.155	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	57165	24.942	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	71275	43.320	ug/l #	100
77) Bromobenzene	12.74	156	67139	20.649	ug/l	96
78) n-propylbenzene	12.80	91	338961	21.761	ug/l	100
79) 2-Chlorotoluene	12.89	91	183460	21.206	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	238574	21.209	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	15915	23.042	ug/l	96
82) 4-Chlorotoluene	12.99	91	193435	21.344	ug/l	99
83) tert-Butylbenzene	13.20	119	216813	22.067	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	239614	21.428	ug/l	98
85) sec-Butylbenzene	13.38	105	299582	22.115	ug/l	100
86) p-Isopropyltoluene	13.49	119	272560	21.711	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	127412	20.828	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	126380	20.634	ug/l	98
89) n-Butylbenzene	13.82	91	238075	21.035	ug/l	100
90) Hexachloroethane	14.09	117	44164	21.293	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	115064	21.278	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	9559	27.884	ug/l	95

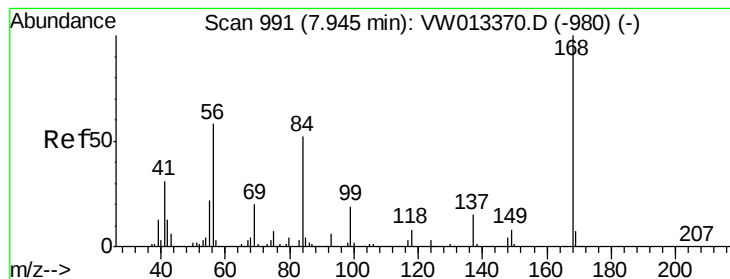
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100219\
Data File : VW013402.D
Acq On : 03 Oct 2019 03:44
Operator : SY/VA
Sample : VW1002SBSD02
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBSD02

Quant Time: Oct 03 07:08:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 02 11:49:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	78187	20.147	ug/l	98
94) Hexachlorobutadiene	15.24	225	54451	21.599	ug/l	97
95) Naphthalene	15.36	128	157613	24.076	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	71176	21.006	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

Instrument :

MSVOA_W

ClientSampleId :

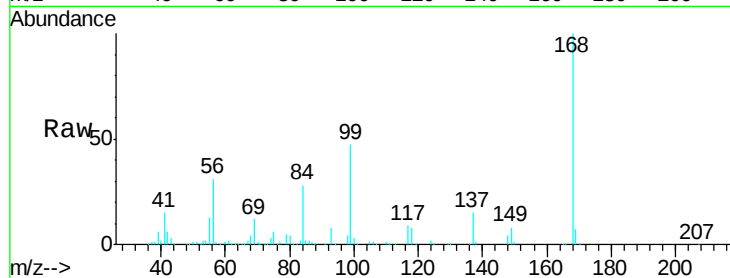
VW1002SBSD02

Tgt Ion:168 Resp: 302086

Ion Ratio Lower Upper

168 100

99 47.4 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

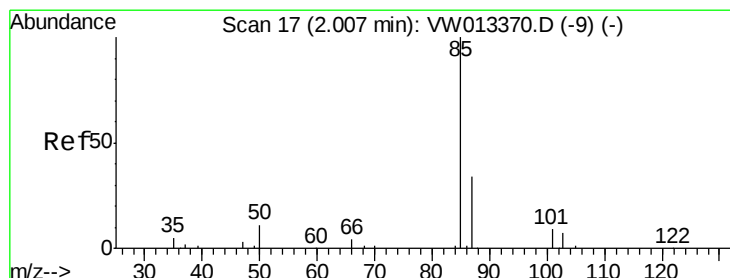
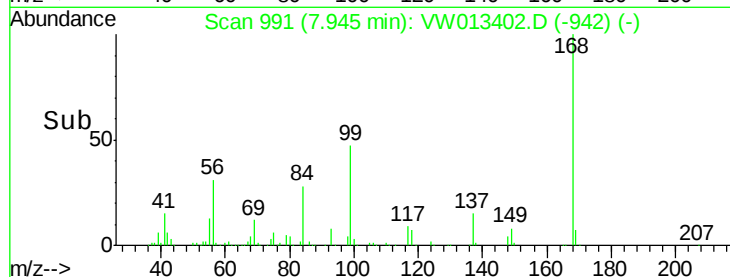
100000

50000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 22.811 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013402.D

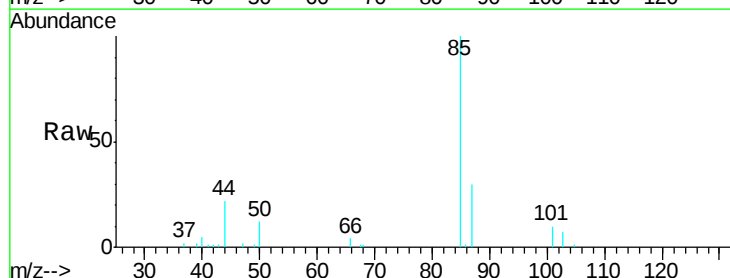
Acq: 03 Oct 2019 03:44

Tgt Ion: 85 Resp: 26653

Ion Ratio Lower Upper

85 100

87 30.3 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

10000

8000

6000

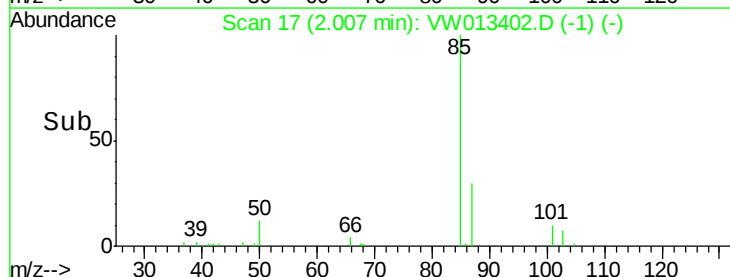
4000

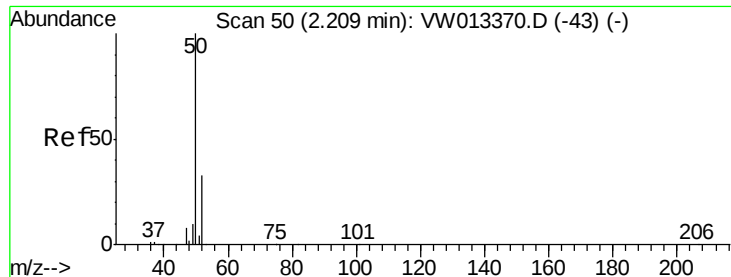
2000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 21.856 ug/l

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

Instrument :

MSVOA_W

ClientSampleId :

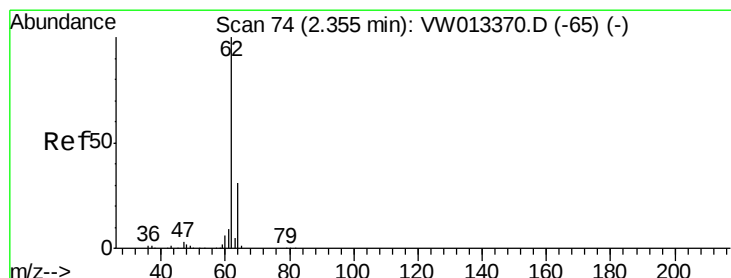
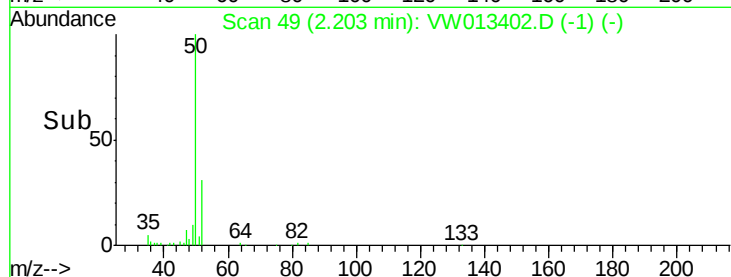
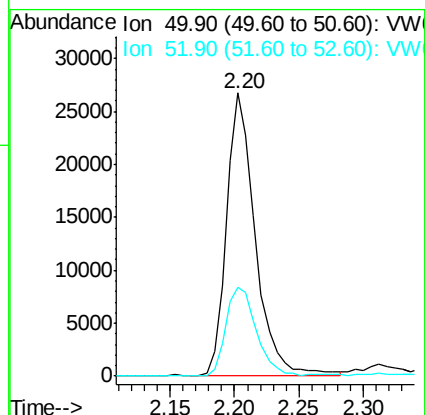
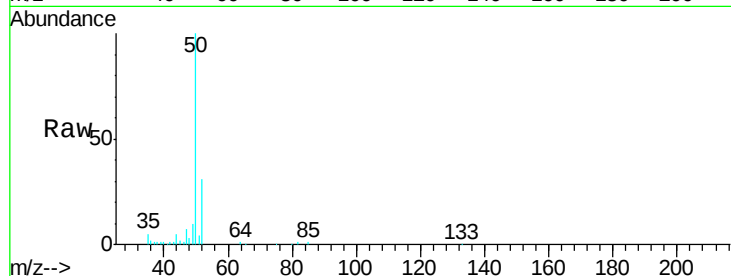
VW1002SBSD02

Tgt Ion: 50 Resp: 42140

Ion Ratio Lower Upper

50 100

52 31.3 26.1 39.1



#4

Vinyl Chloride

Concen: 21.522 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW013402.D

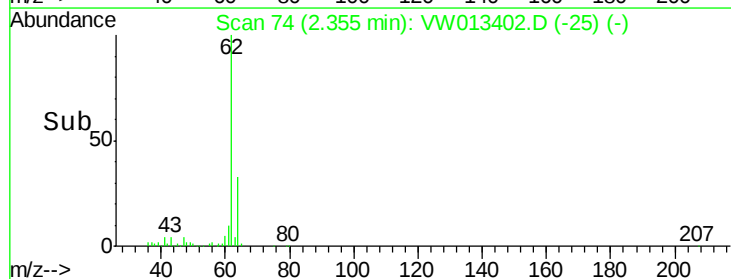
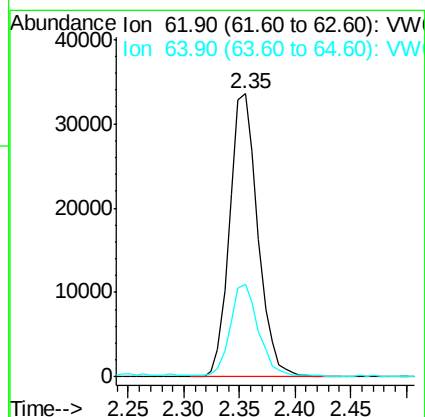
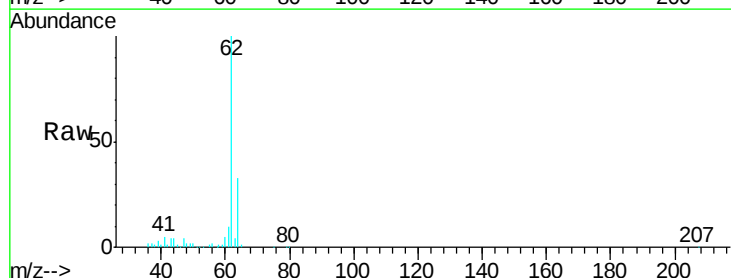
Acq: 03 Oct 2019 03:44

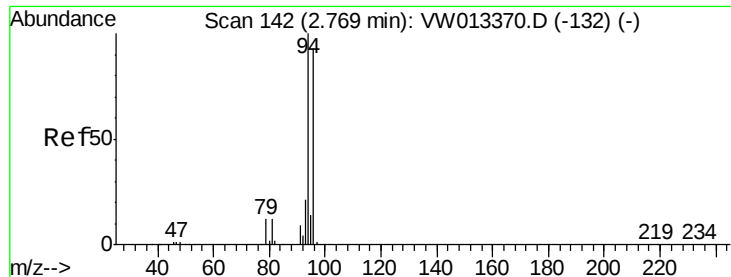
Tgt Ion: 62 Resp: 58893

Ion Ratio Lower Upper

62 100

64 32.5 25.3 37.9





#5

Bromomethane

Concen: 20.207 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.01 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

Instrument :

MSVOA_W

ClientSampleId :

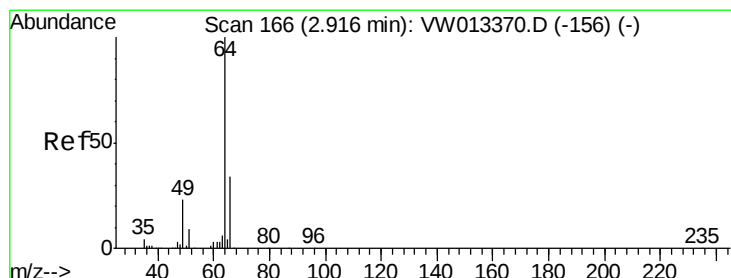
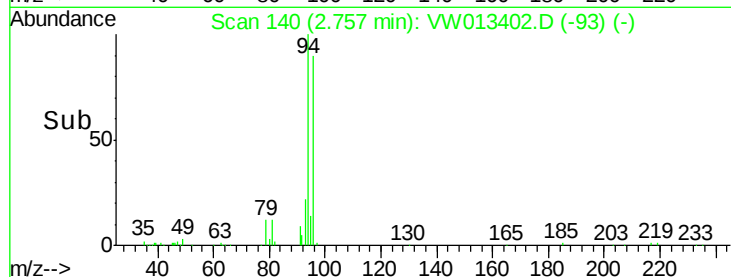
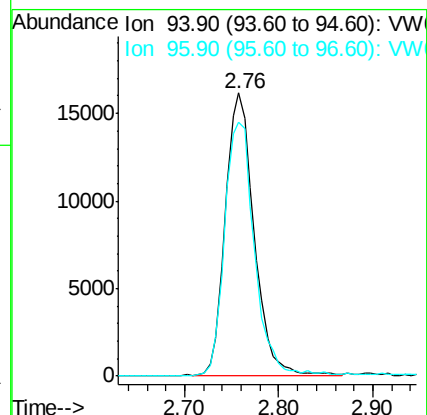
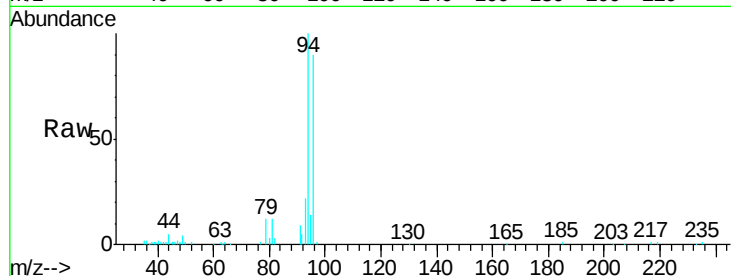
VW1002SBSD02

Tgt Ion: 94 Resp: 33971

Ion Ratio Lower Upper

94 100

96 90.1 69.7 104.5



#6

Chloroethane

Concen: 19.924 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW013402.D

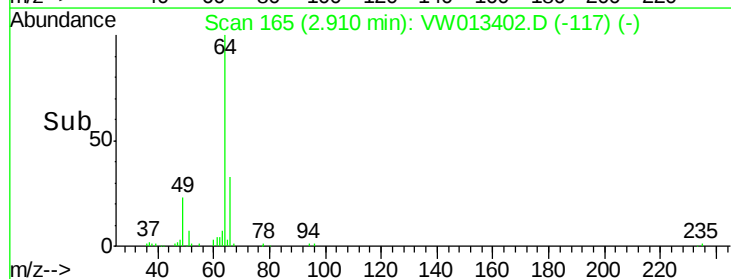
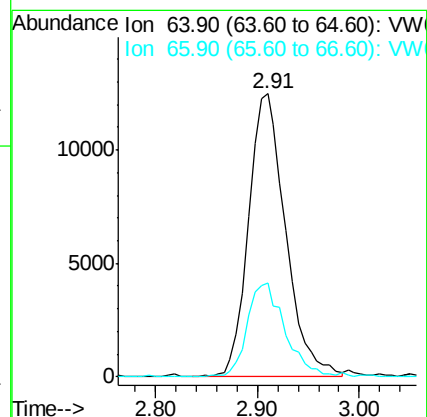
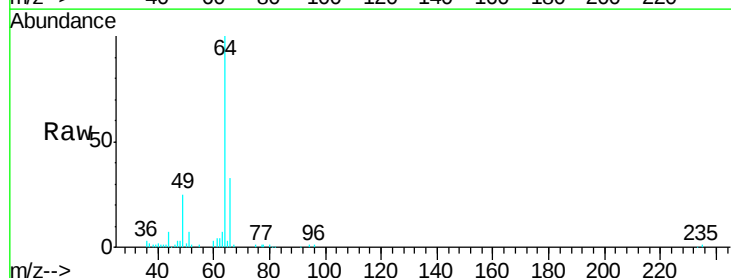
Acq: 03 Oct 2019 03:44

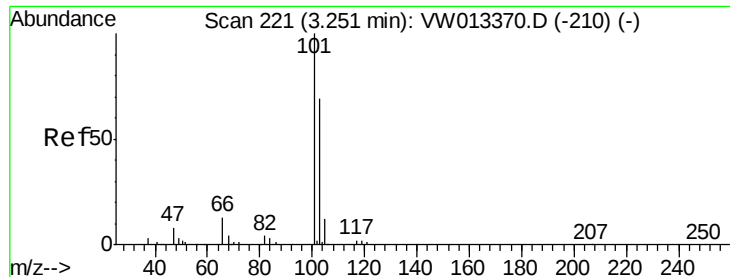
Tgt Ion: 64 Resp: 31482

Ion Ratio Lower Upper

64 100

66 33.0 26.6 39.8



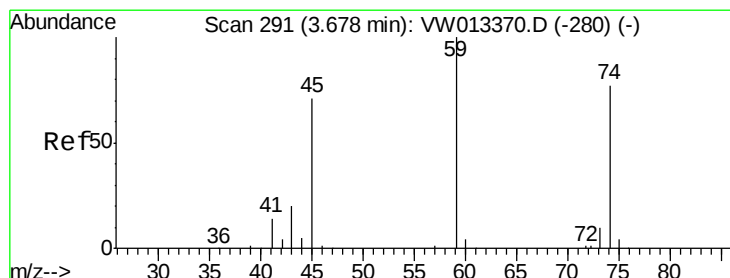
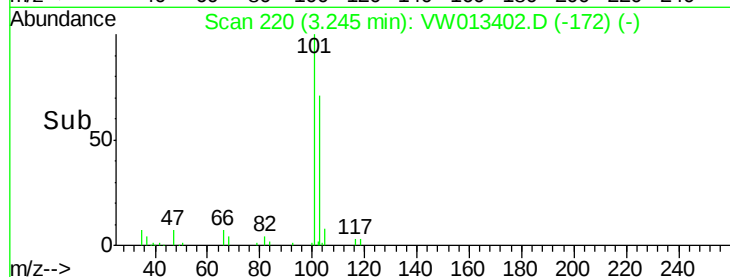
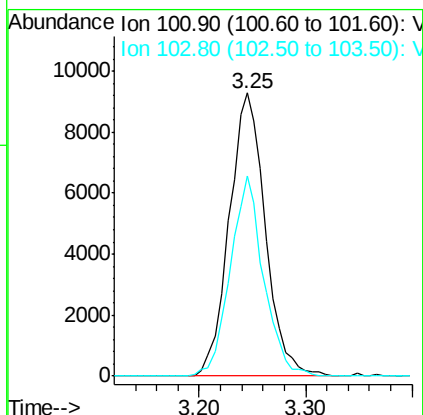
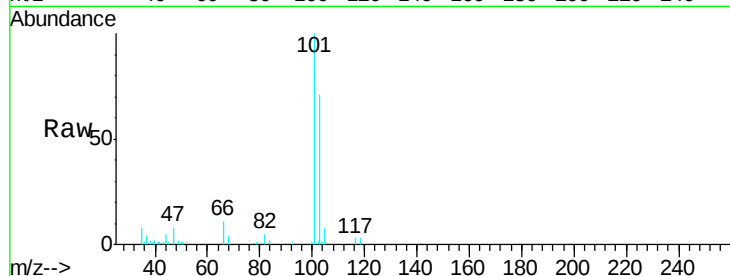


#7

Trichlorofluoromethane
 Concen: 18.562 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW013402.D
 Acq: 03 Oct 2019 03:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1002SBSD02

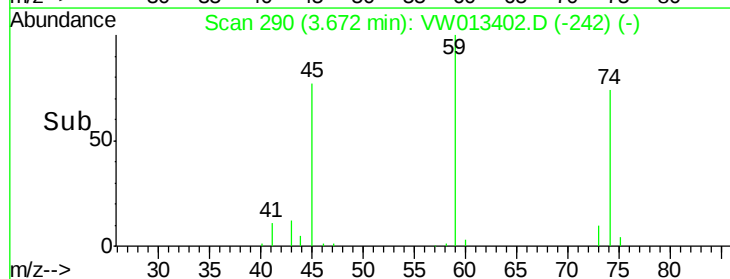
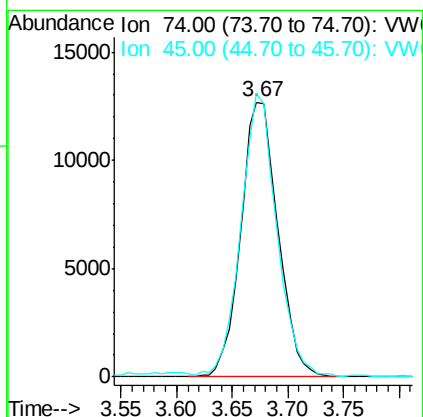
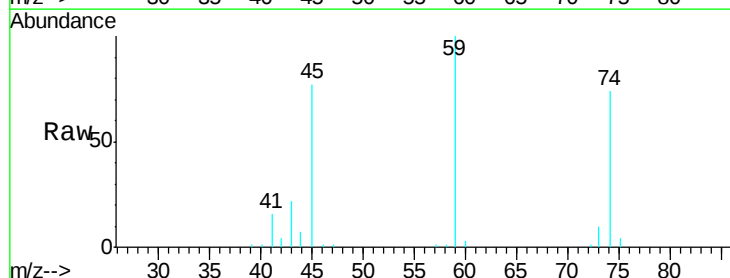
Tgt Ion:101 Resp: 22036
 Ion Ratio Lower Upper
 101 100
 103 70.7 49.7 74.5

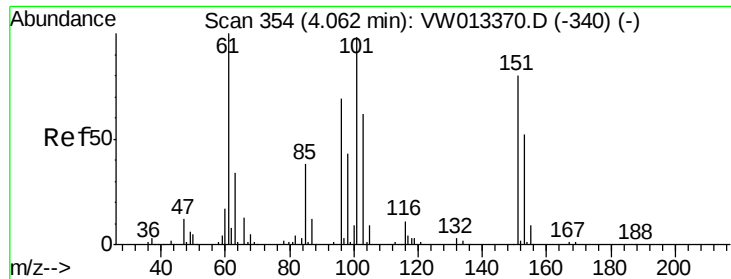


#8

Diethyl Ether
 Concen: 21.392 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW013402.D
 Acq: 03 Oct 2019 03:44

Tgt Ion: 74 Resp: 29394
 Ion Ratio Lower Upper
 74 100
 45 100.1 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.991 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

Instrument :

MSVOA_W

ClientSampleId :

VW1002SBSD02

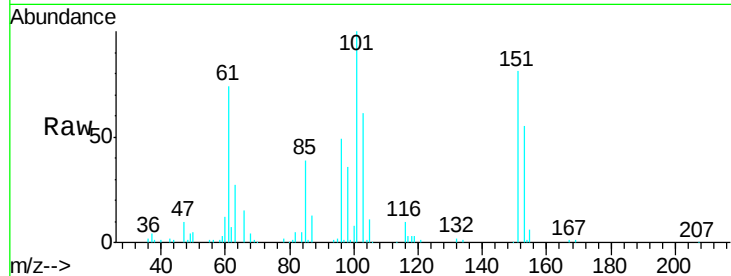
Tgt Ion:101 Resp: 57880

Ion Ratio Lower Upper

101 100

85 43.1 33.4 50.0

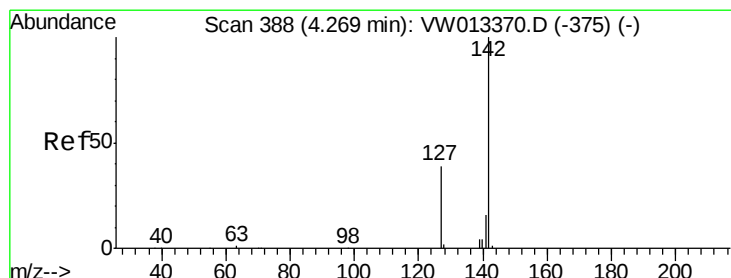
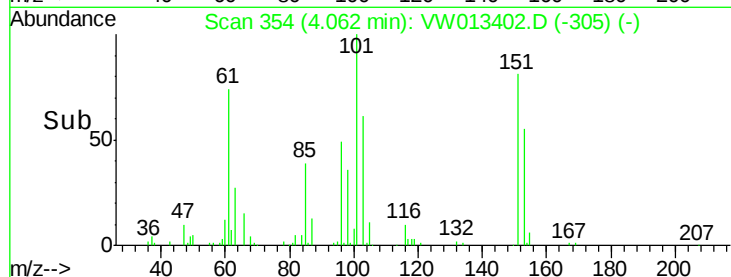
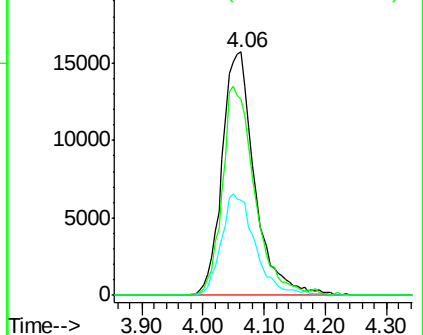
151 84.3 66.9 100.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.670 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

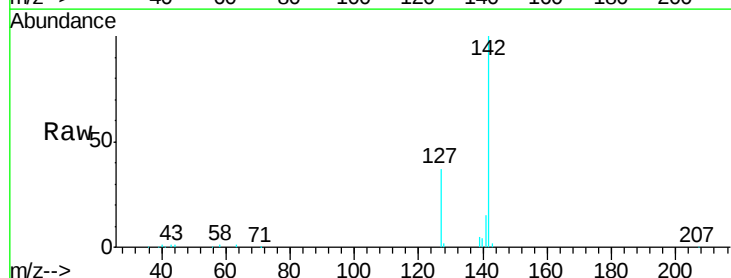
Tgt Ion:142 Resp: 83606

Ion Ratio Lower Upper

142 100

127 38.3 30.9 46.3

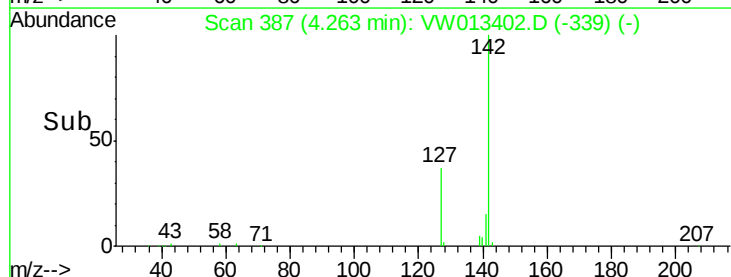
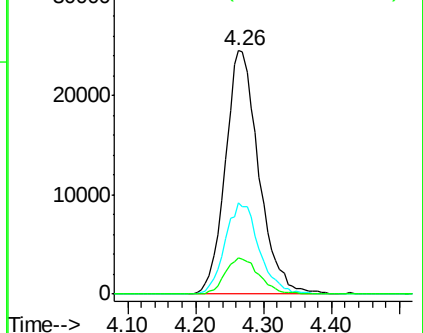
141 15.0 11.7 17.5

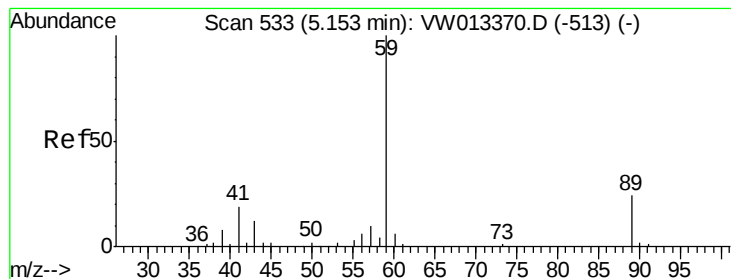


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



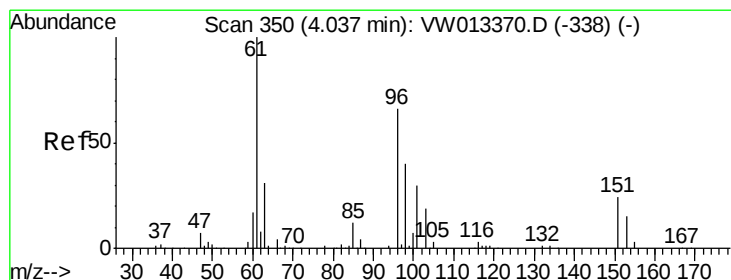
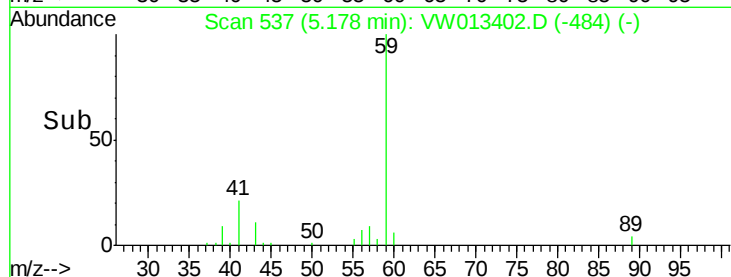
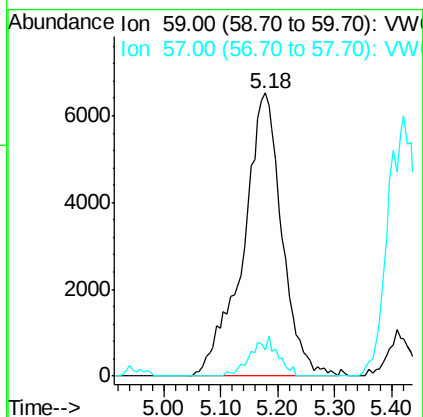
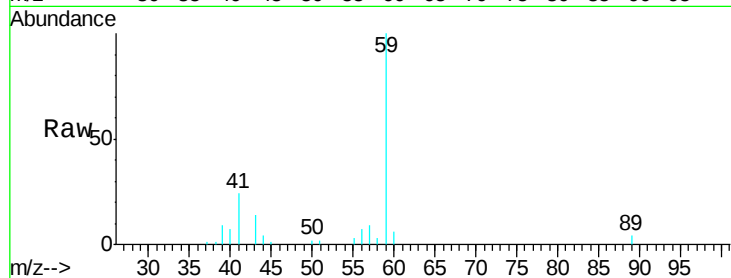


#11

Tert butyl alcohol
 Concen: 159.063 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.02 min
 Lab File: VW013402.D
 Acq: 03 Oct 2019 03:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1002SBSD02

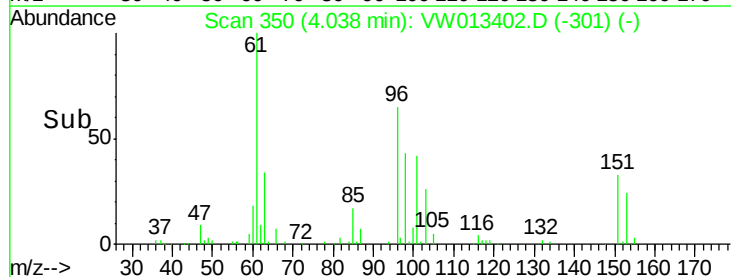
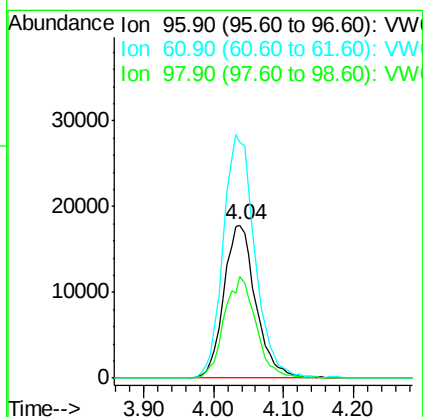
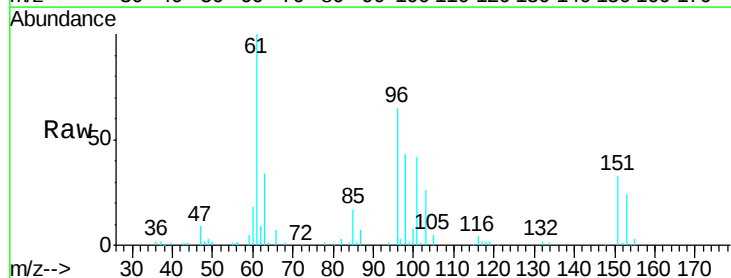
Tgt Ion: 59 Resp: 30946
 Ion Ratio Lower Upper
 59 100
 57 5.3 8.2 12.2#

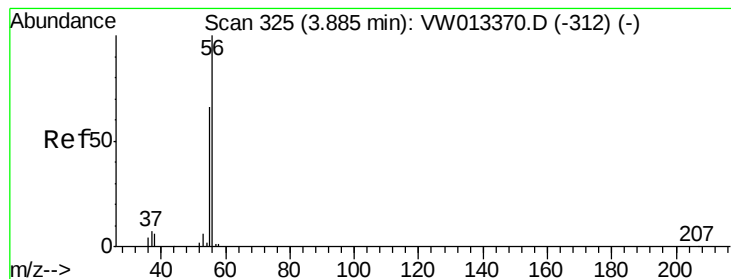


#12

1,1-Dichloroethene
 Concen: 20.338 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW013402.D
 Acq: 03 Oct 2019 03:44

Tgt Ion: 96 Resp: 56558
 Ion Ratio Lower Upper
 96 100
 61 154.3 125.1 187.7
 98 66.4 50.8 76.2





#13

Acrolein

Concen: 106.768 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

Instrument :

MSVOA_W

ClientSampleId :

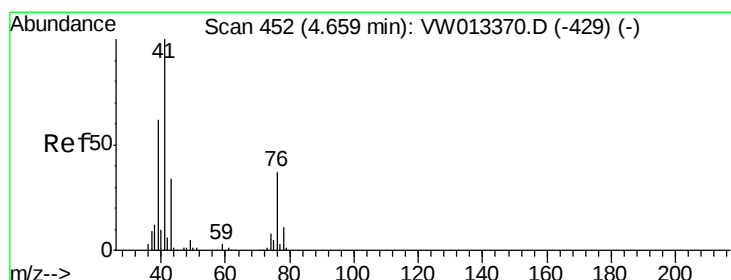
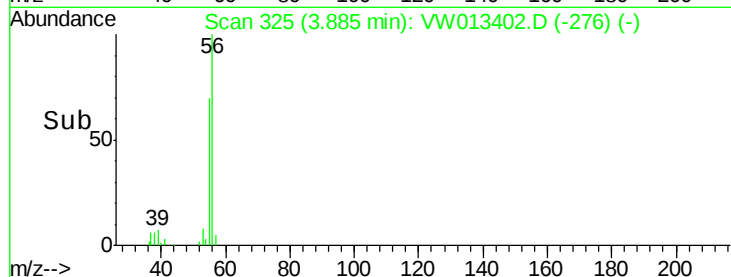
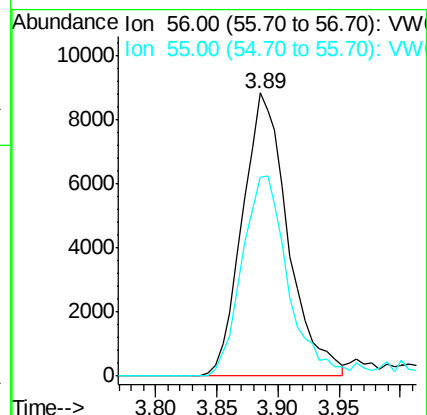
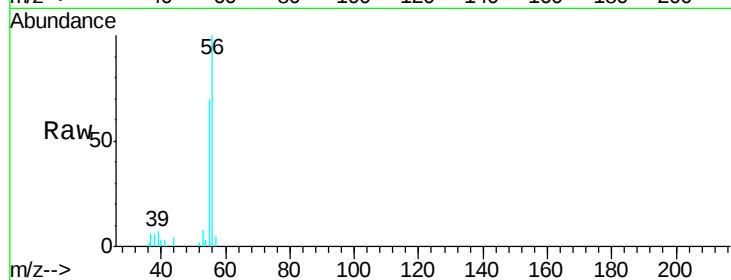
VW1002SBSD02

Tgt Ion: 56 Resp: 22906

Ion Ratio Lower Upper

56 100

55 70.9 55.4 83.0



#14

Allyl chloride

Concen: 19.716 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

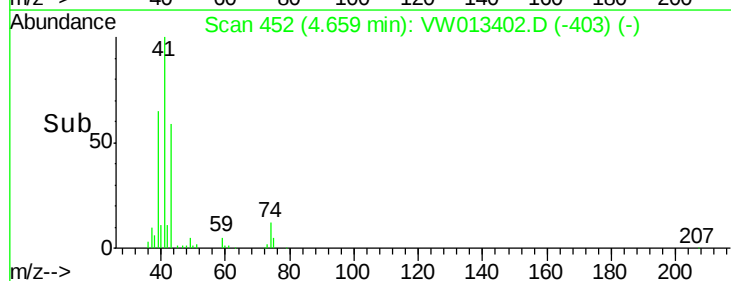
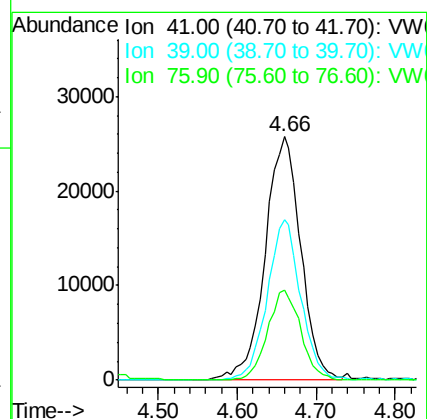
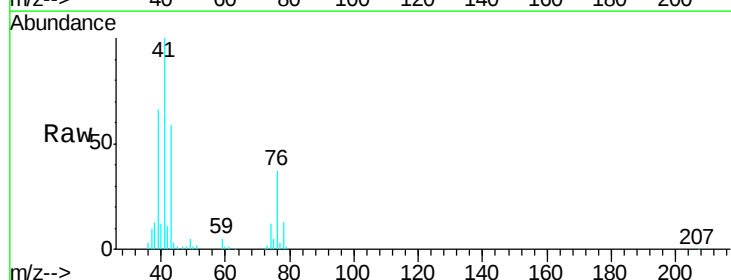
Tgt Ion: 41 Resp: 81106

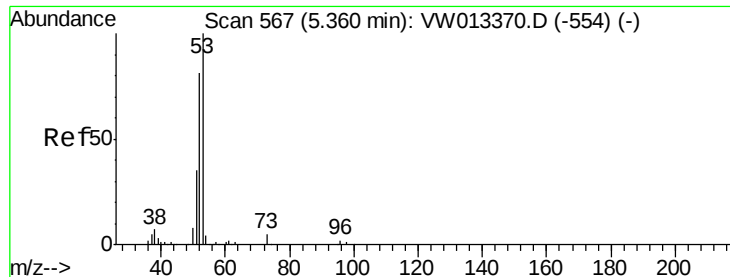
Ion Ratio Lower Upper

41 100

39 61.7 51.0 76.4

76 34.1 28.4 42.6





#15

Acrylonitrile

Concen: 131.179 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

Instrument :

MSVOA_W

ClientSampleId :

VW1002SBSD02

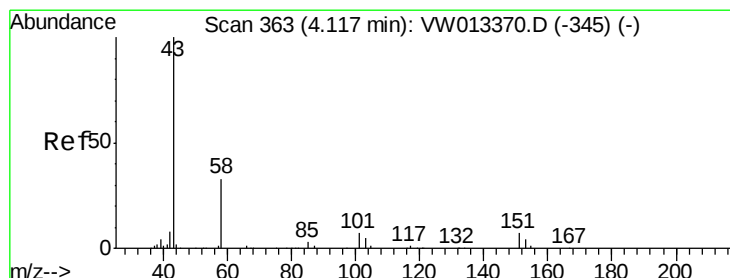
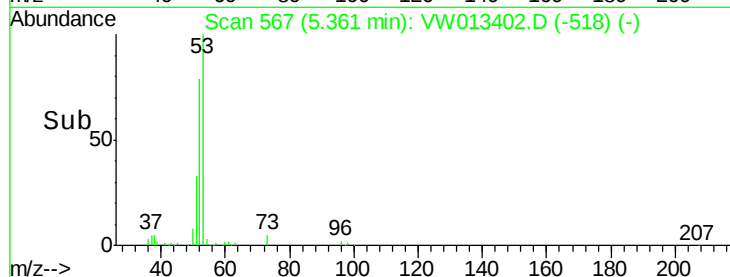
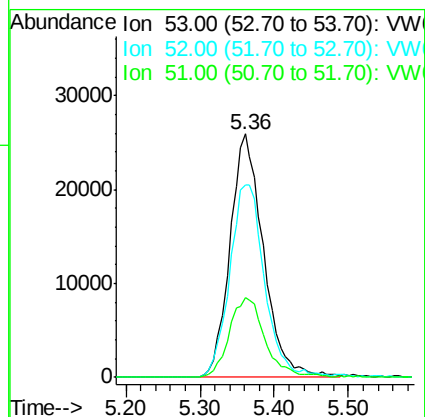
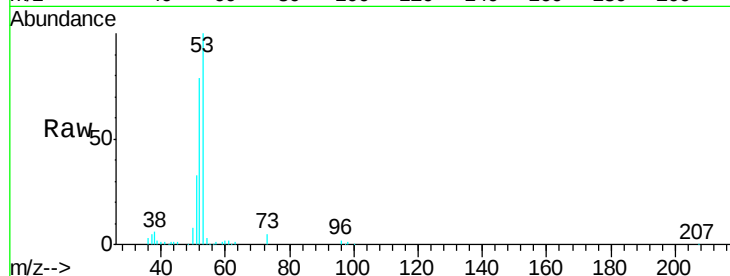
Tgt Ion: 53 Resp: 81483

Ion Ratio Lower Upper

53 100

52 82.5 65.3 97.9

51 34.4 29.0 43.4



#16

Acetone

Concen: 90.997 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW013402.D

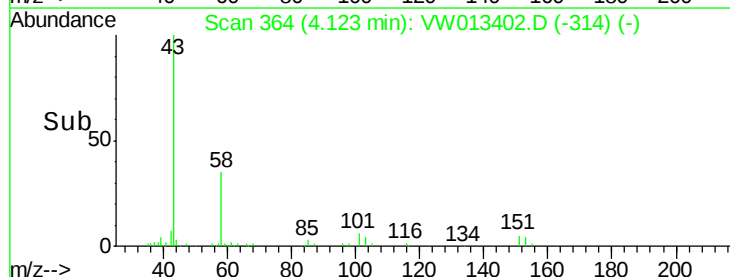
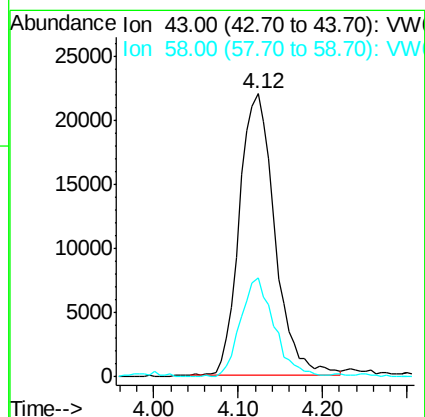
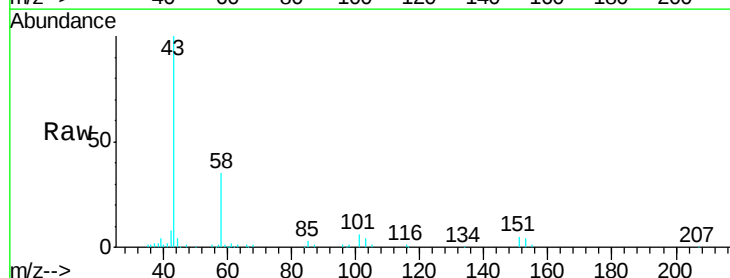
Acq: 03 Oct 2019 03:44

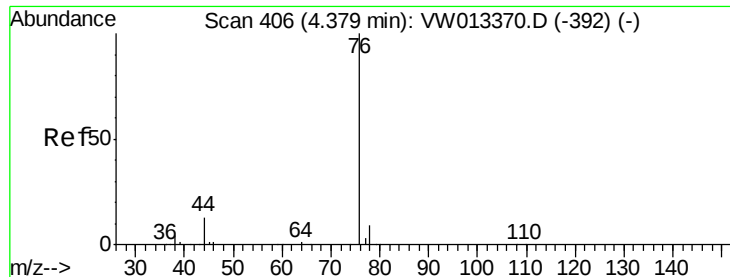
Tgt Ion: 43 Resp: 62914

Ion Ratio Lower Upper

43 100

58 35.1 24.1 36.1

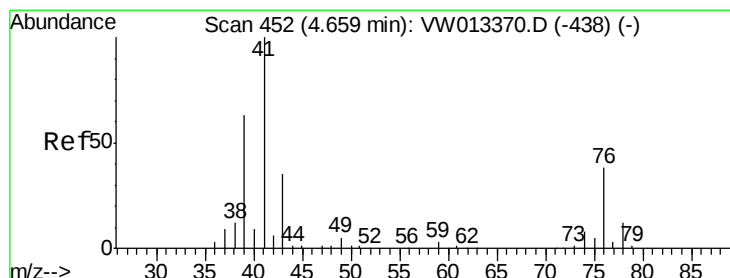
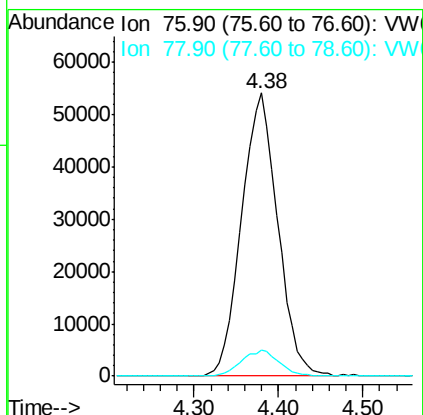
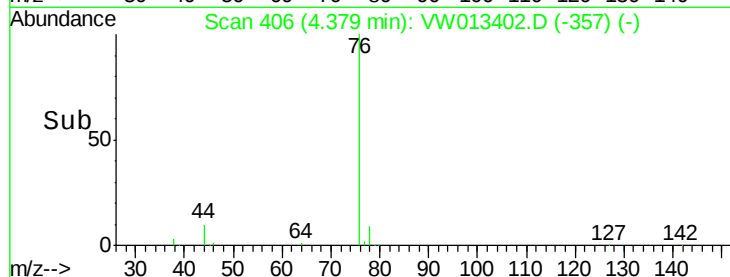
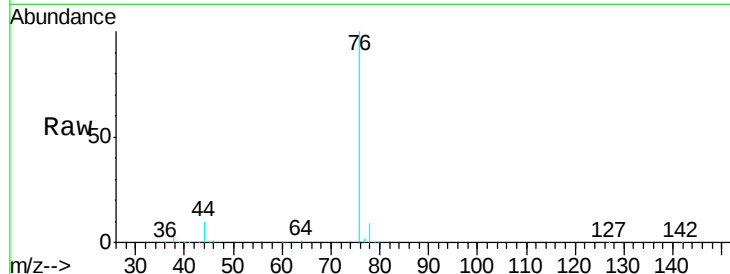




#17
Carbon Disulfide
Concen: 20.310 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW013402.D
Acq: 03 Oct 2019 03:44

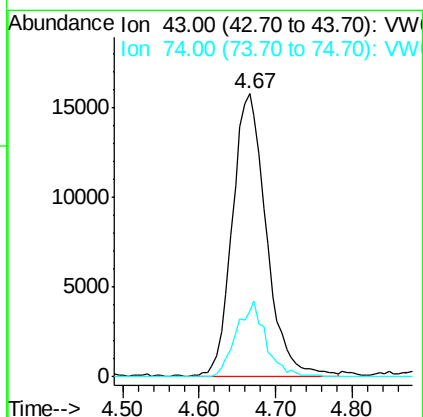
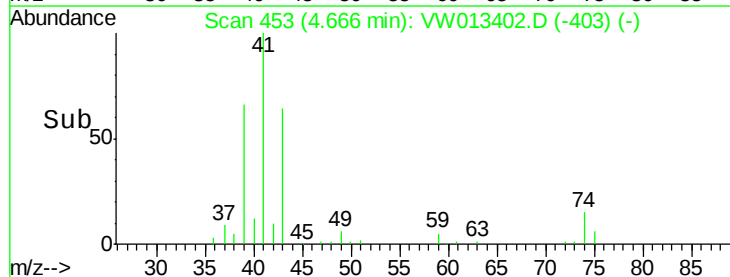
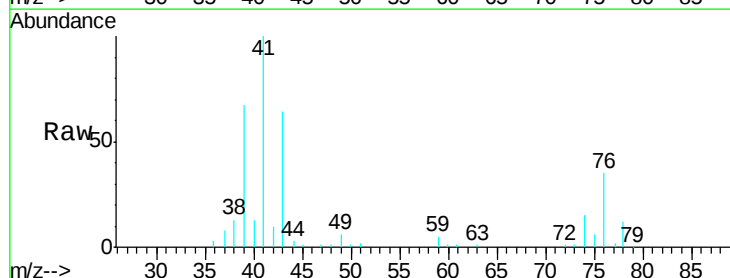
Instrument :
MSVOA_W
ClientSampleId :
VW1002SBSD02

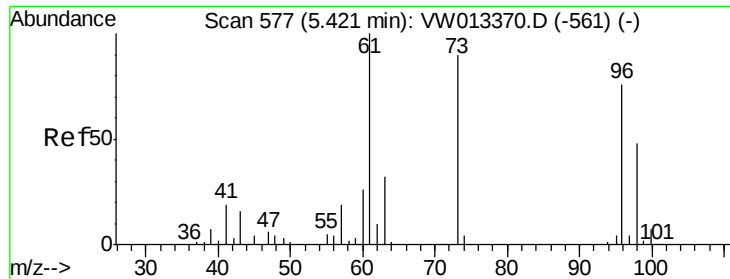
Tgt Ion: 76 Resp: 157563
Ion Ratio Lower Upper
76 100
78 9.0 7.0 10.4



#18
Methyl Acetate
Concen: 30.163 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.01 min
Lab File: VW013402.D
Acq: 03 Oct 2019 03:44

Tgt Ion: 43 Resp: 48811
Ion Ratio Lower Upper
43 100
74 23.3 19.3 28.9

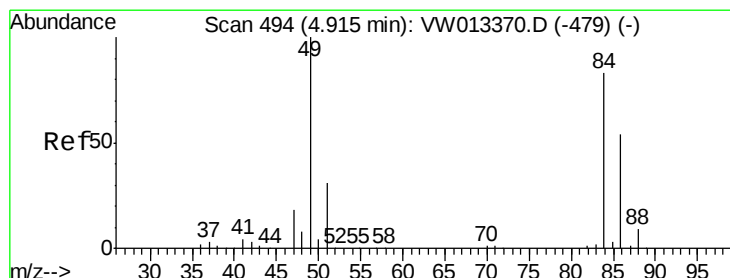
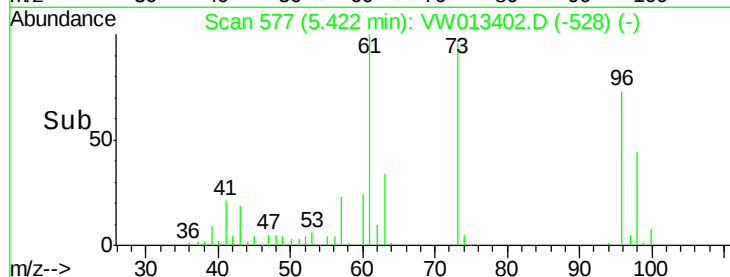
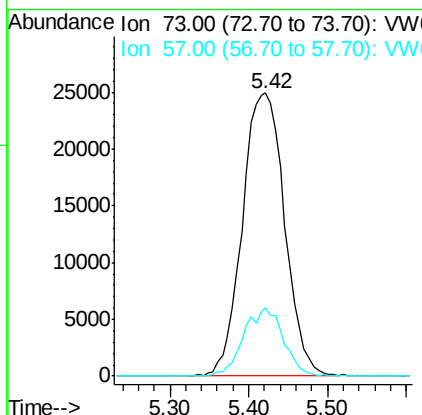
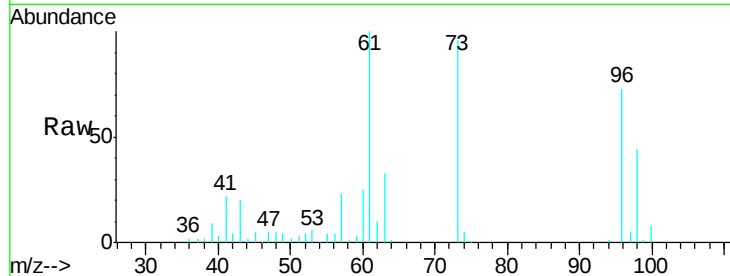




#19
Methyl tert-butyl Ether
Concen: 22.597 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW013402.D
Acq: 03 Oct 2019 03:44

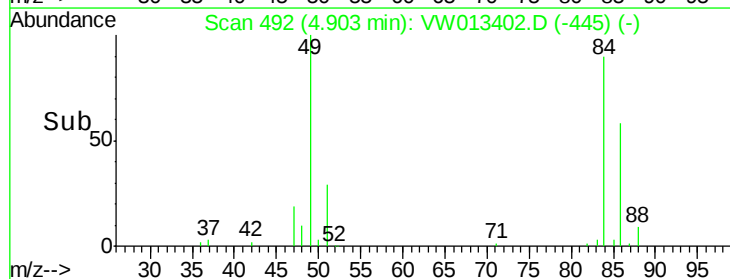
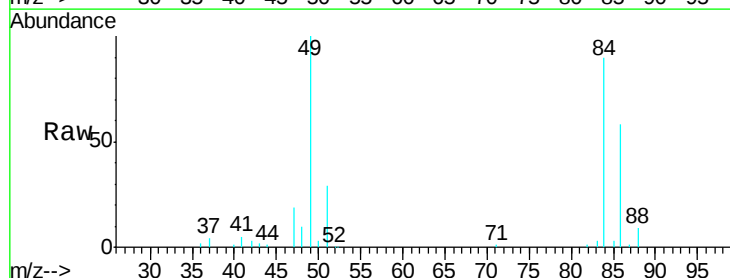
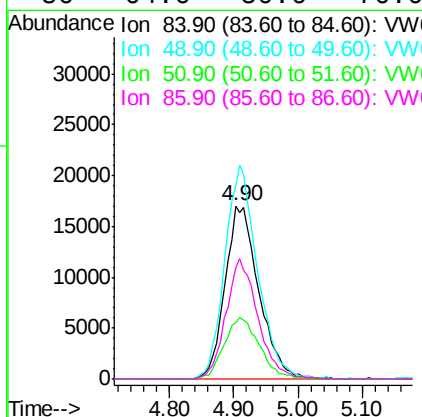
Instrument :
MSVOA_W
ClientSampleId :
VW1002SBSD02

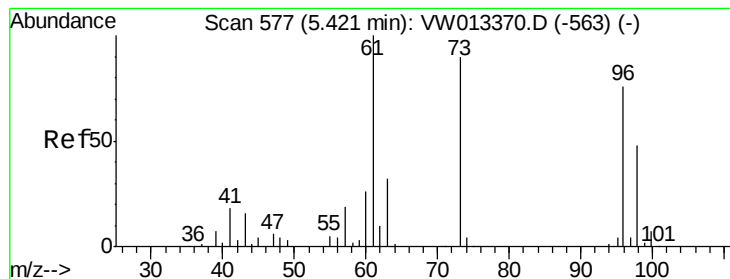
Tgt Ion: 73 Resp: 92487
Ion Ratio Lower Upper
73 100
57 24.1 17.6 26.4



#20
Methylene Chloride
Concen: 20.612 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW013402.D
Acq: 03 Oct 2019 03:44

Tgt Ion: 84 Resp: 62529
Ion Ratio Lower Upper
84 100
49 111.4 97.6 146.4
51 32.3 30.2 45.2
86 64.6 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 20.796 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

Instrument :

MSVOA_W

ClientSampleId :

VW1002SBSD02

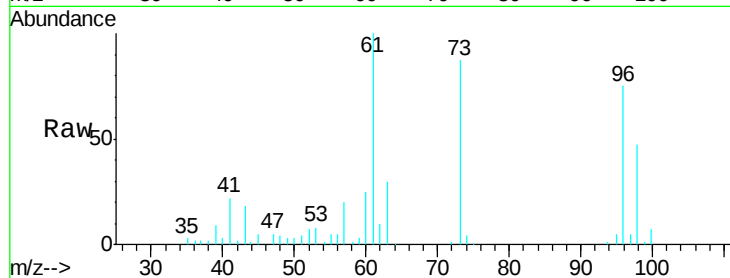
Tgt Ion: 96 Resp: 61585

Ion Ratio Lower Upper

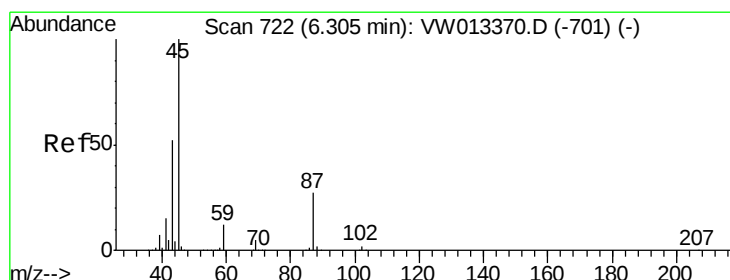
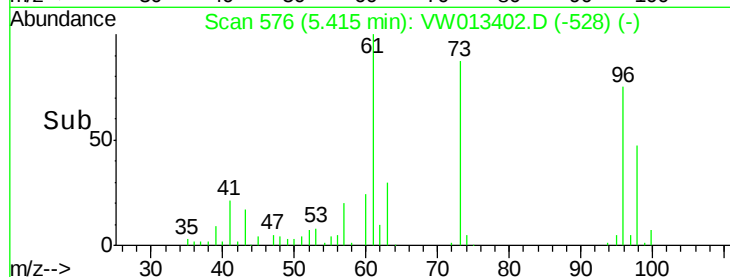
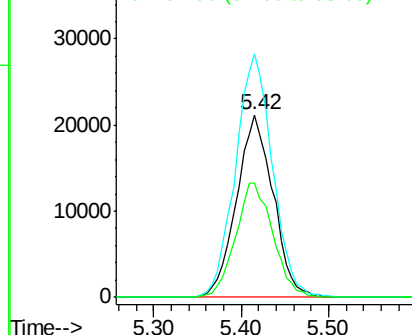
96 100

61 133.3 106.6 159.8

98 62.7 49.8 74.8



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



#22

Diisopropyl ether

Concen: 21.089 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

Tgt Ion: 45 Resp: 167537

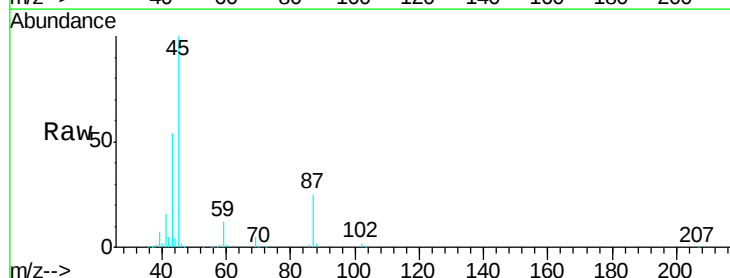
Ion Ratio Lower Upper

45 100

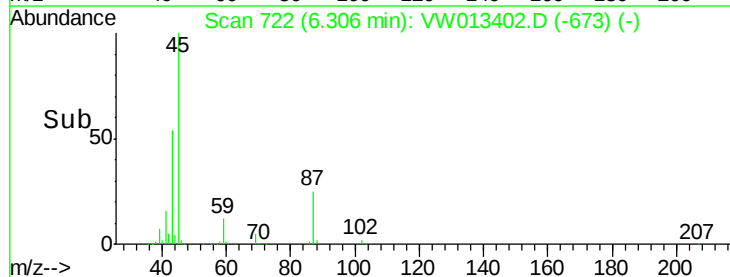
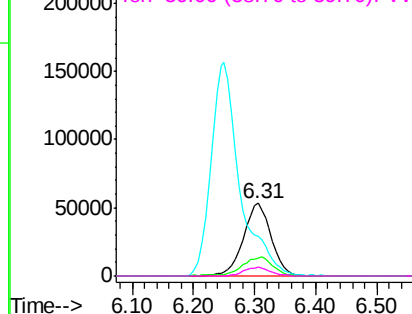
43 53.9 42.4 63.6

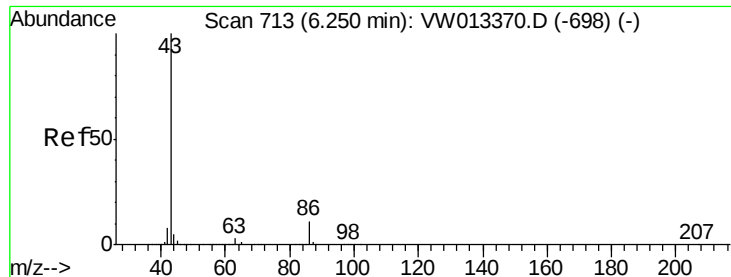
87 25.5 20.4 30.6

59 12.0 8.8 13.2



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: 108.416 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

Instrument :

MSVOA_W

ClientSampleId :

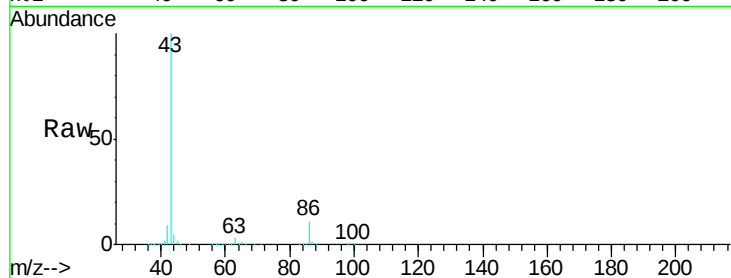
VW1002SBSD02

Tgt Ion: 43 Resp: 516821

Ion Ratio Lower Upper

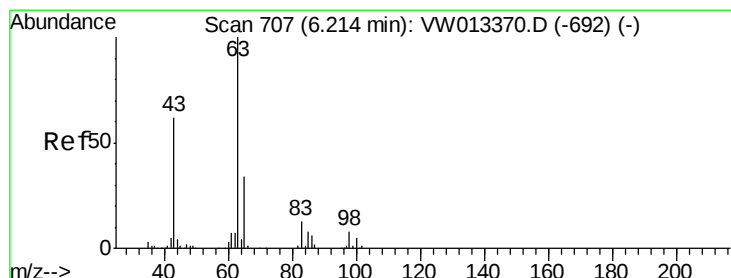
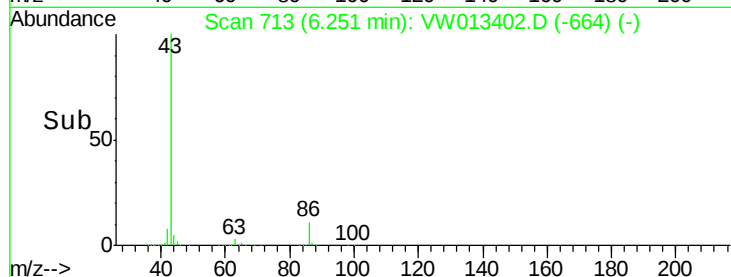
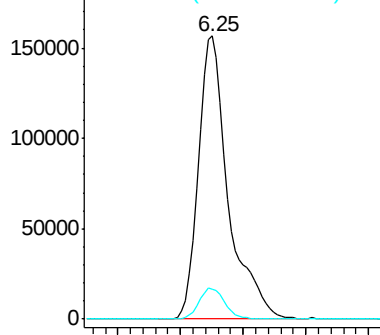
43 100

86 10.7 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 20.747 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

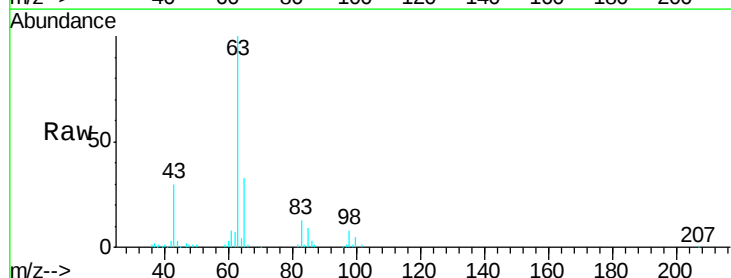
Tgt Ion: 63 Resp: 100393

Ion Ratio Lower Upper

63 100

98 8.3 3.5 10.5

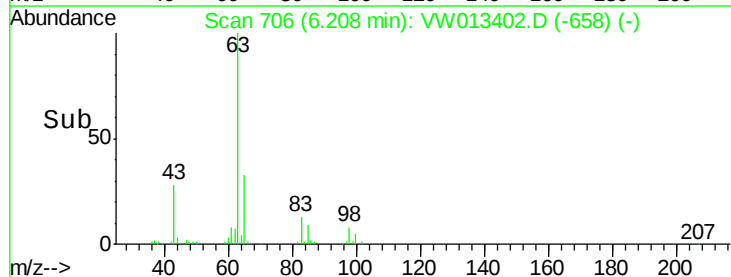
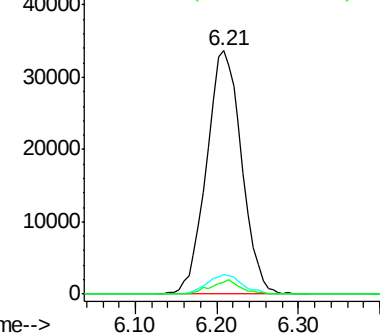
100 5.0 2.4 7.1

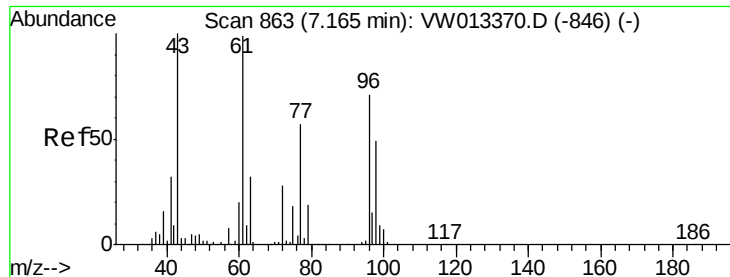


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 119.685 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

Instrument :

MSVOA_W

ClientSampleId :

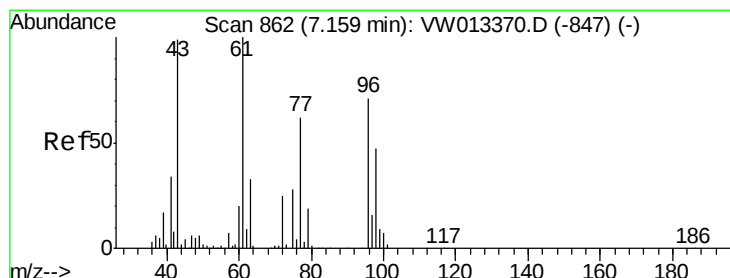
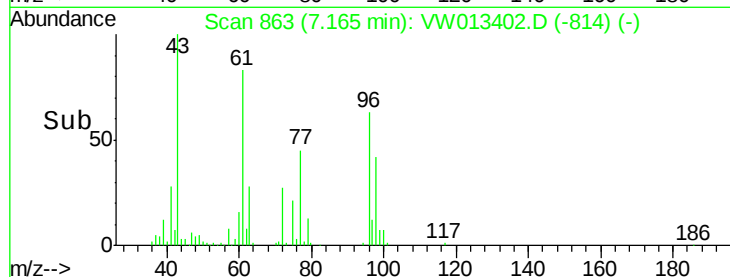
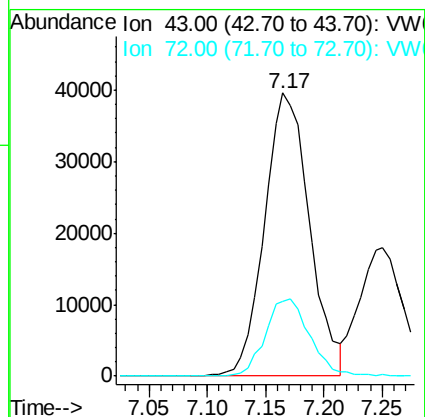
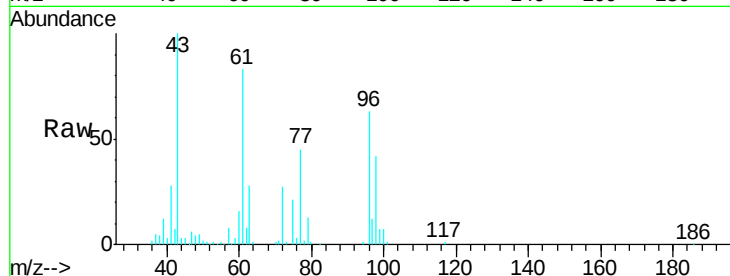
VW1002SBSD02

Tgt Ion: 43 Resp: 105882

Ion Ratio Lower Upper

43 100

72 26.6 19.4 29.0



#26

2,2-Dichloropropane

Concen: 18.128 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW013402.D

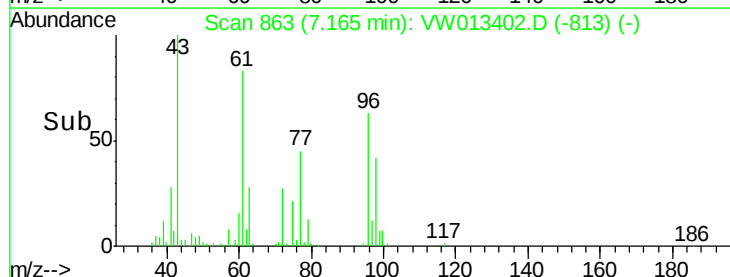
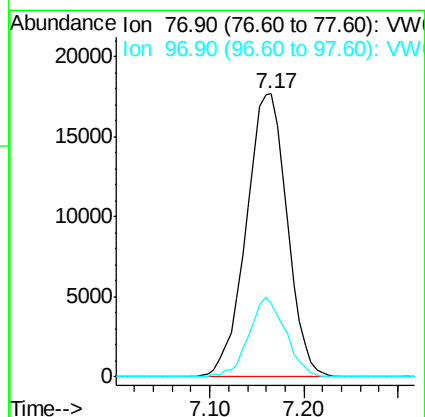
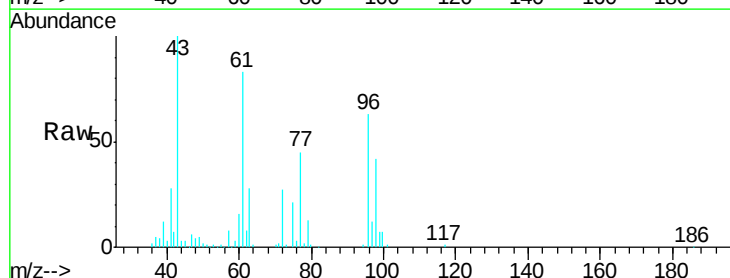
Acq: 03 Oct 2019 03:44

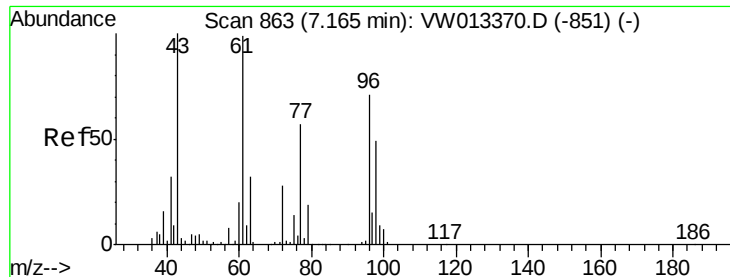
Tgt Ion: 77 Resp: 53714

Ion Ratio Lower Upper

77 100

97 25.3 11.8 35.4



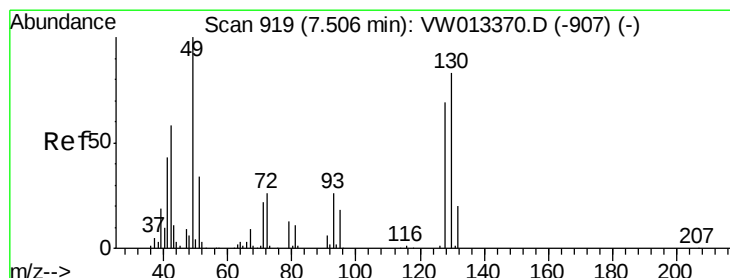
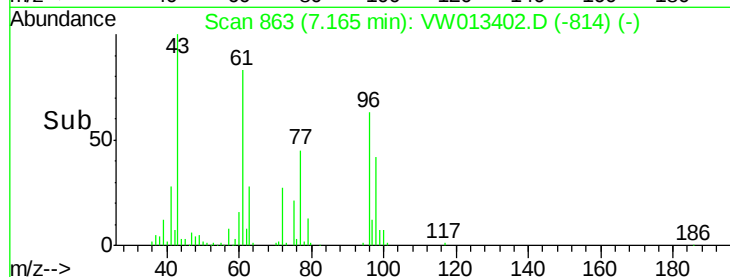
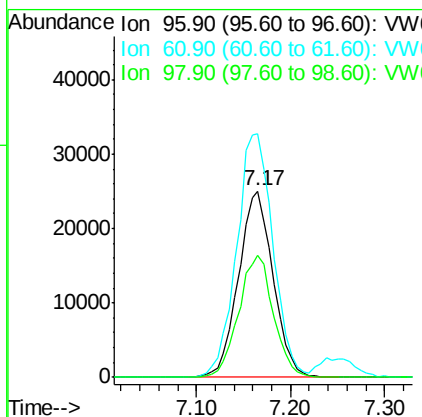
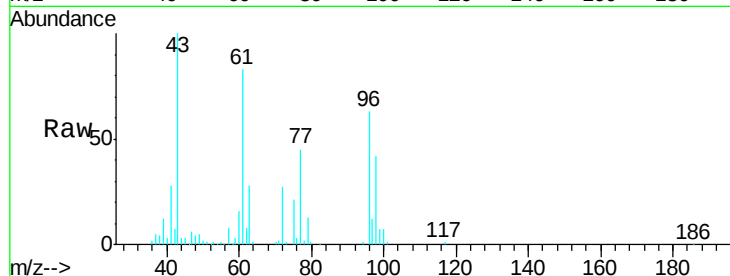


#27

cis-1,2-Dichloroethene
 Concen: 20.675 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW013402.D
 Acq: 03 Oct 2019 03:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1002SBSD02

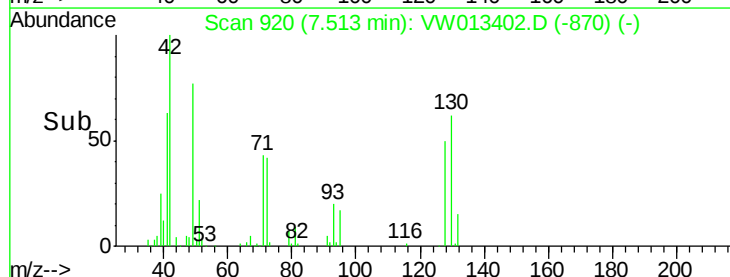
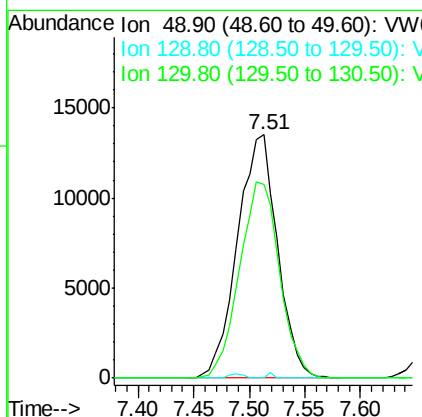
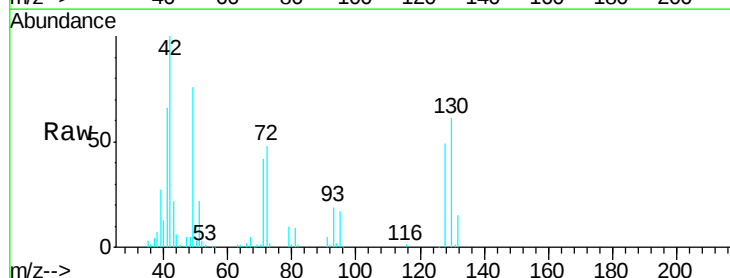
Tgt Ion: 96 Resp: 64090
 Ion Ratio Lower Upper
 96 100
 61 137.9 0.0 282.4
 98 66.0 0.0 128.2

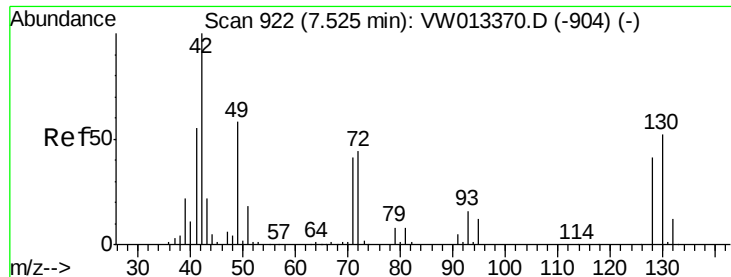


#28

Bromochloromethane
 Concen: 19.275 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VW013402.D
 Acq: 03 Oct 2019 03:44

Tgt Ion: 49 Resp: 33723
 Ion Ratio Lower Upper
 49 100
 129 0.3 0.0 1.0
 130 80.9 63.4 95.2





#29

Tetrahydrofuran

Concen: 141.639 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.01 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

Instrument :

MSVOA_W

ClientSampleId :

VW1002SBSD02

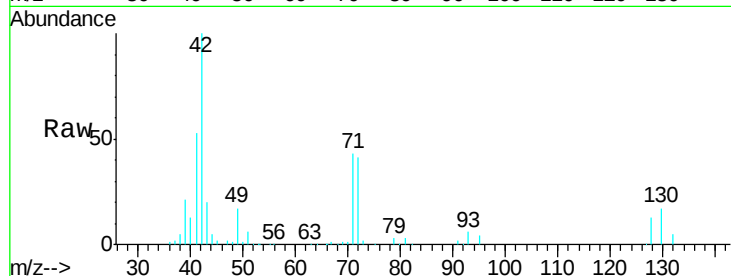
Tgt Ion: 42 Resp: 70633

Ion Ratio Lower Upper

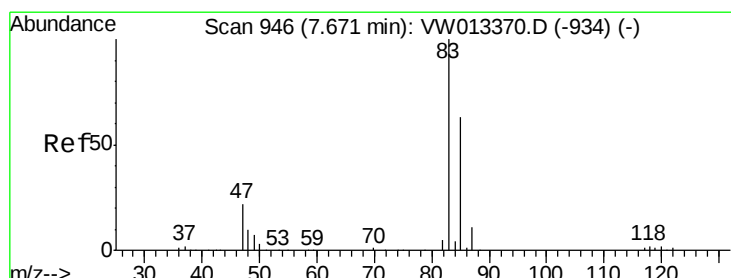
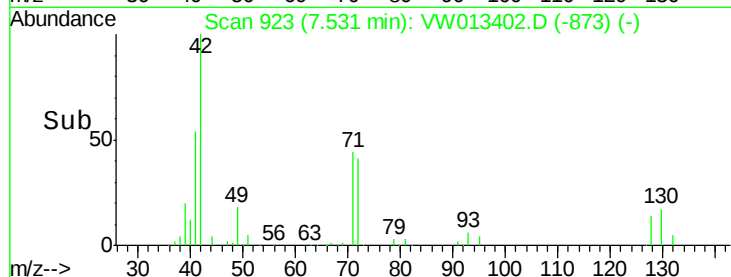
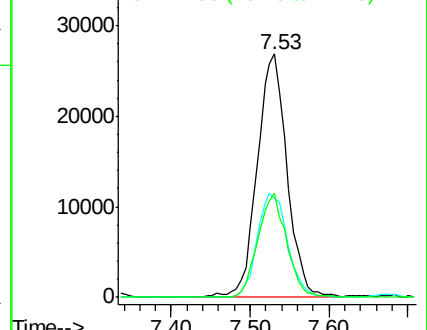
42 100

72 43.6 33.9 50.9

71 41.1 31.9 47.9



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 20.553 ug/l

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW013402.D

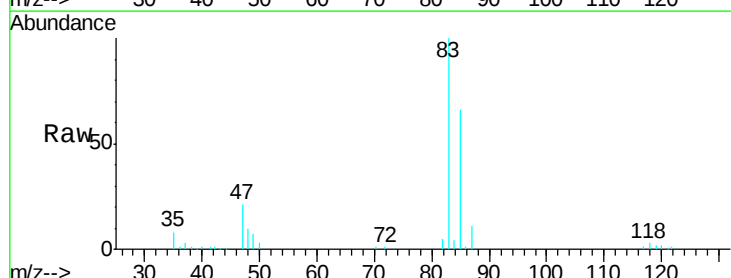
Acq: 03 Oct 2019 03:44

Tgt Ion: 83 Resp: 97521

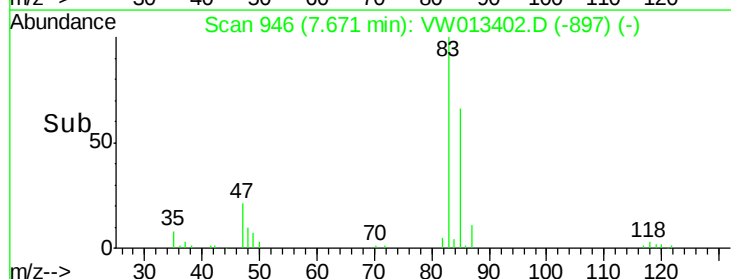
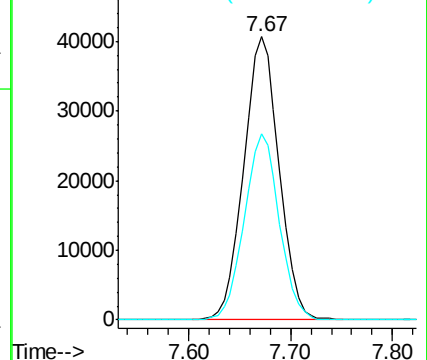
Ion Ratio Lower Upper

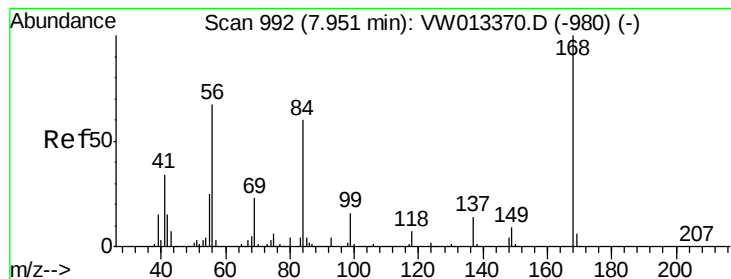
83 100

85 65.8 52.3 78.5



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





#31

Cyclohexane

Concen: 21.879 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

Instrument :

MSVOA_W

ClientSampleId :

VW1002SBSD02

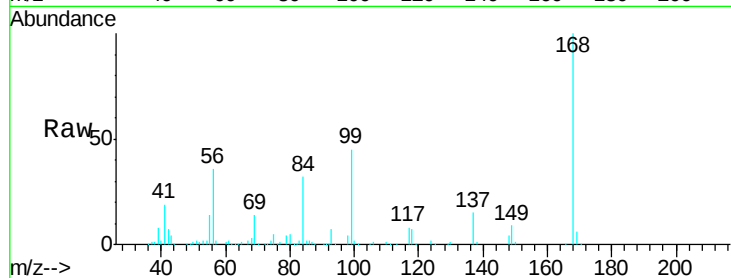
Tgt Ion: 56 Resp: 112901

Ion Ratio Lower Upper

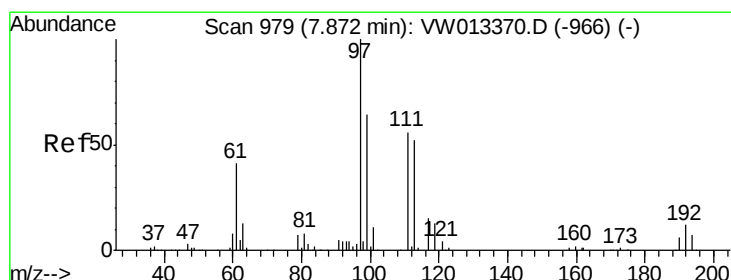
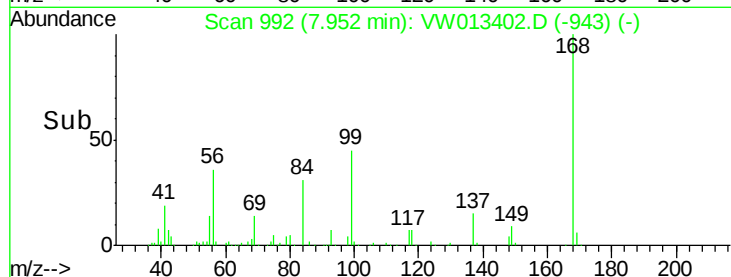
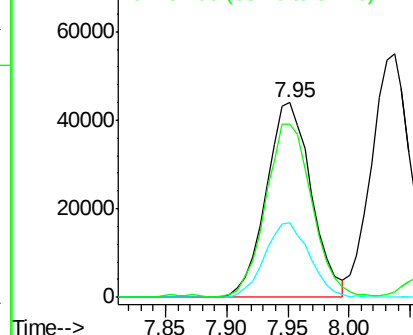
56 100

69 38.0 27.2 40.8

84 87.2 70.8 106.2



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: 21.721 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

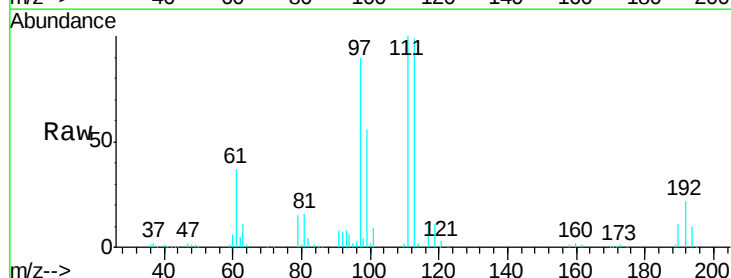
Tgt Ion: 97 Resp: 80742

Ion Ratio Lower Upper

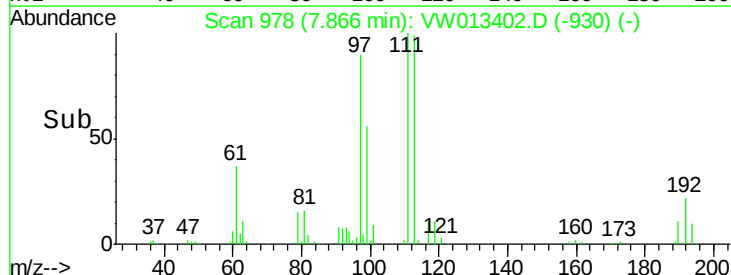
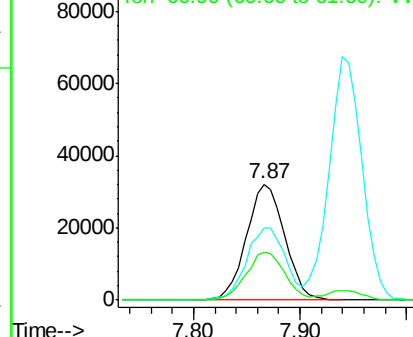
97 100

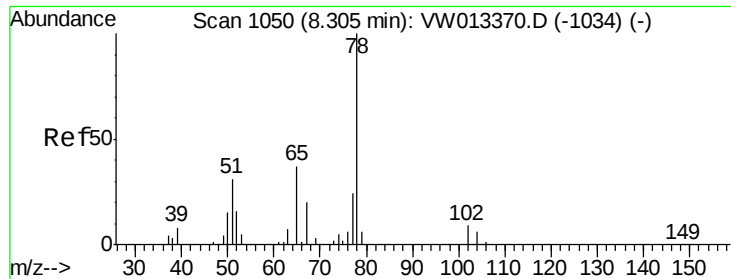
99 64.0 51.7 77.5

61 42.4 34.6 51.8



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: 59.433 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

Instrument :

MSVOA_W

ClientSampleId :

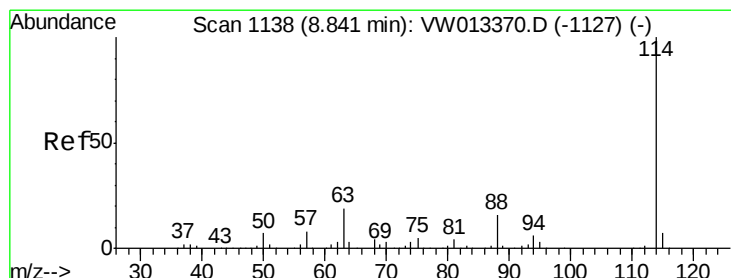
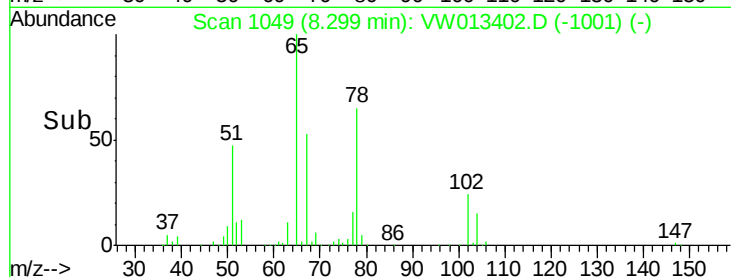
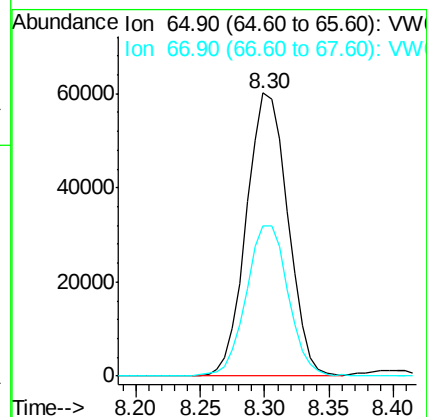
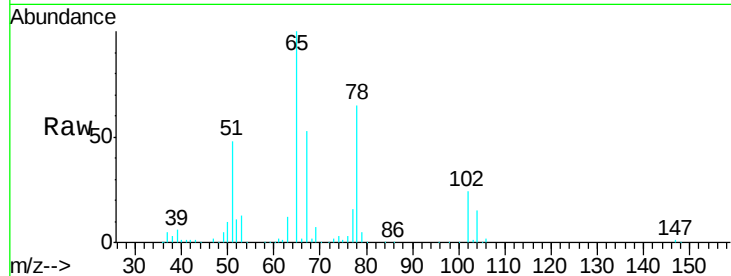
VW1002SBSD02

Tgt Ion: 65 Resp: 134056

Ion Ratio Lower Upper

65 100

67 53.7 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

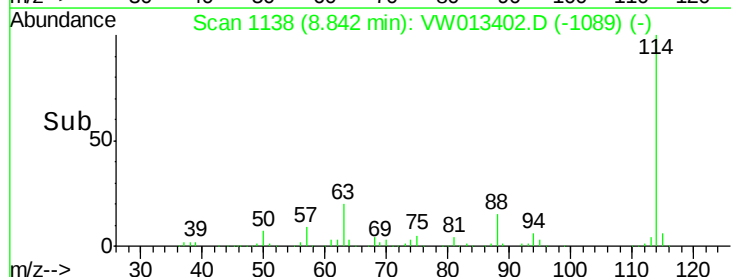
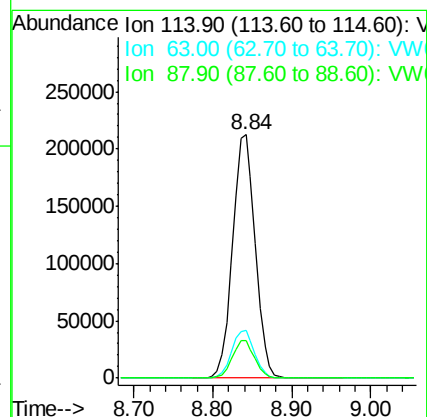
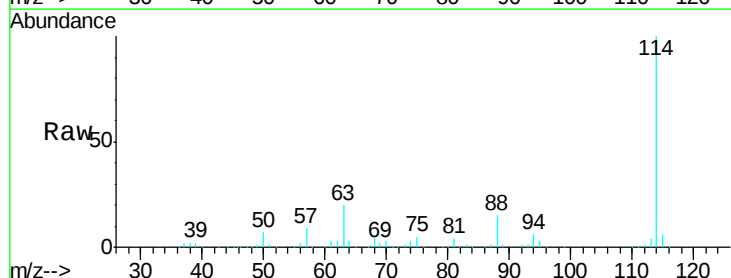
Tgt Ion: 114 Resp: 422885

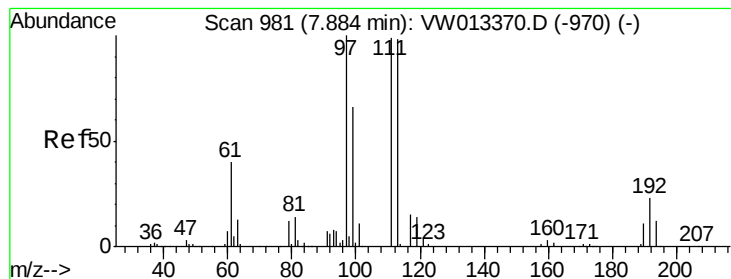
Ion Ratio Lower Upper

114 100

63 19.7 0.0 41.4

88 15.4 0.0 32.0





#35

Dibromofluoromethane

Concen: 57.496 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

Instrument :

MSVOA_W

ClientSampleId :

VW1002SBSD02

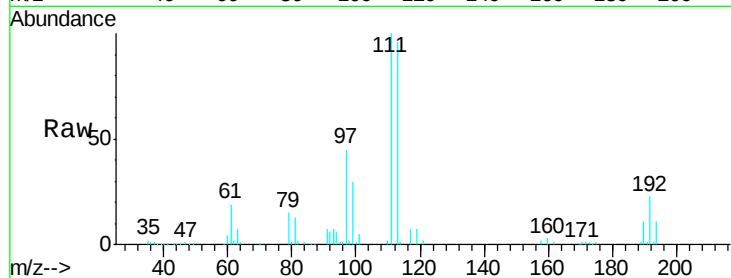
Tgt Ion:113 Resp: 127582

Ion Ratio Lower Upper

113 100

111 102.2 81.9 122.9

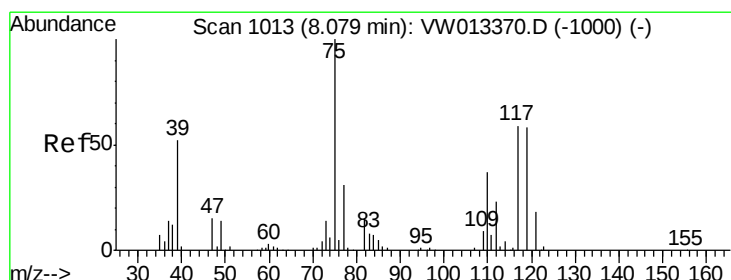
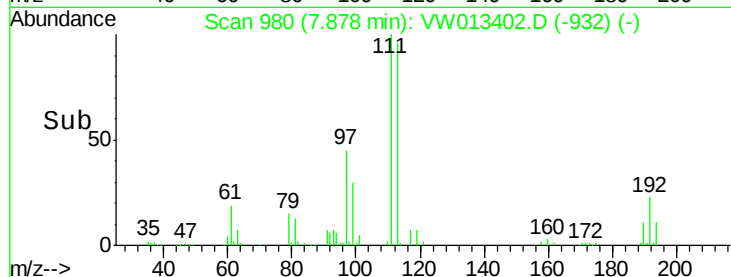
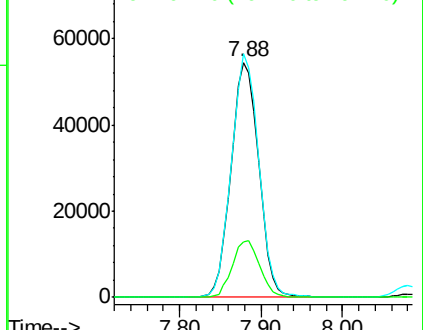
192 23.8 19.1 28.7



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: 22.206 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

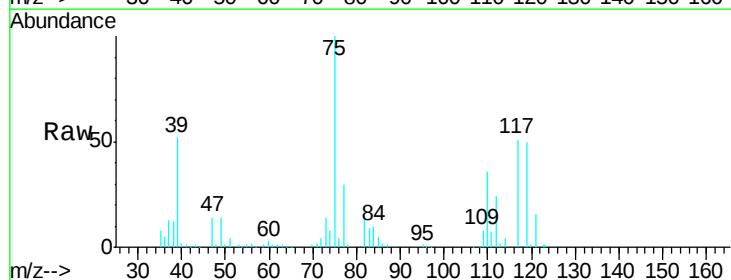
Tgt Ion: 75 Resp: 87222

Ion Ratio Lower Upper

75 100

110 37.0 18.1 54.3

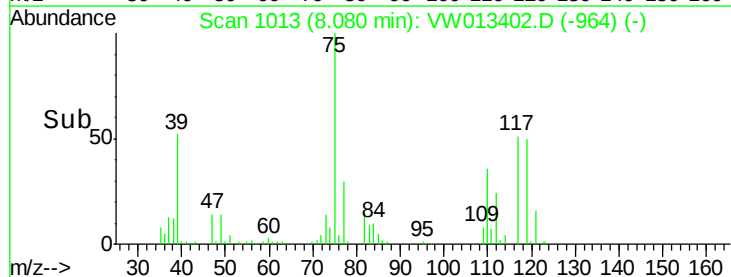
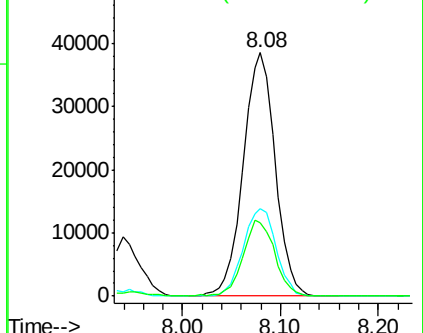
77 30.8 25.8 38.6

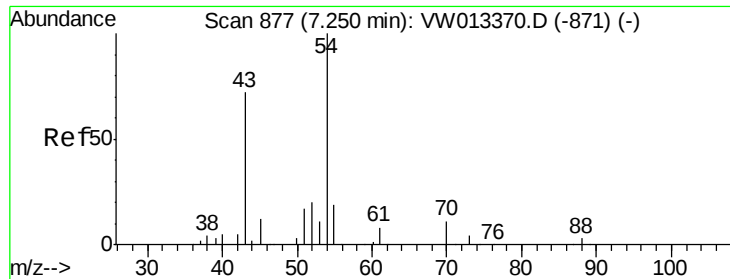


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

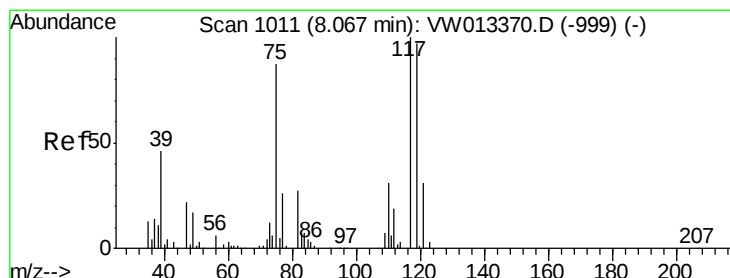
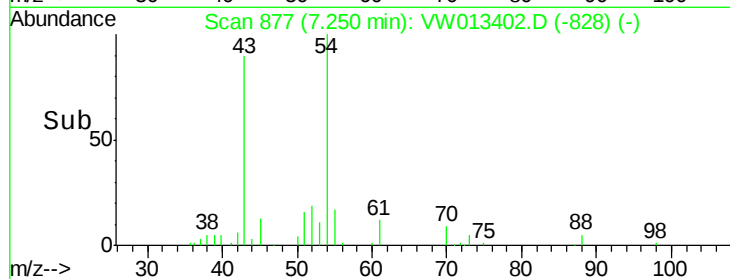
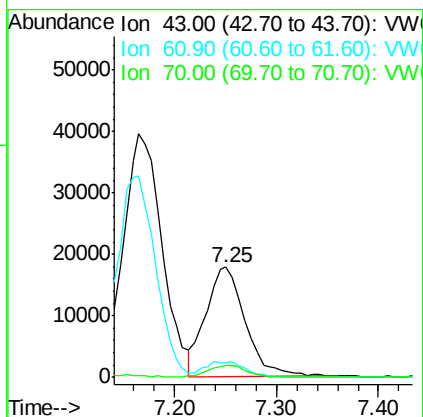
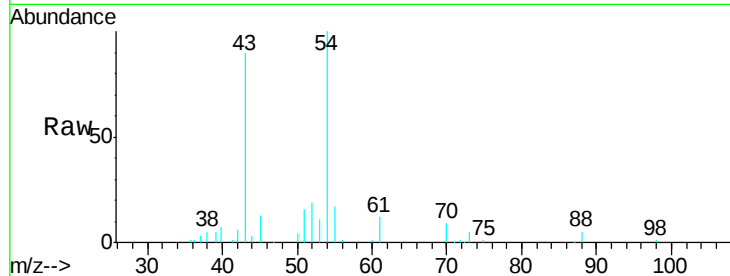




#37
Ethyl Acetate
Concen: 27.679 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW013402.D
Acq: 03 Oct 2019 03:44

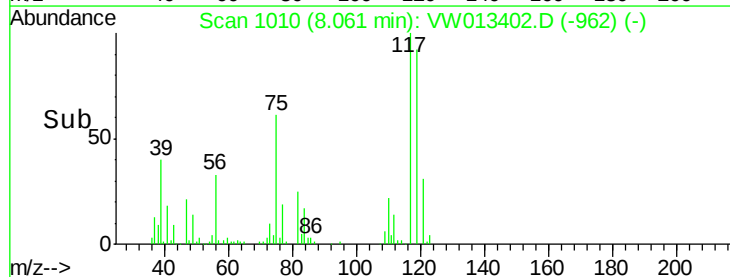
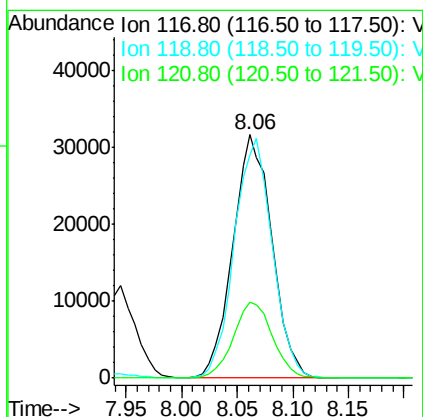
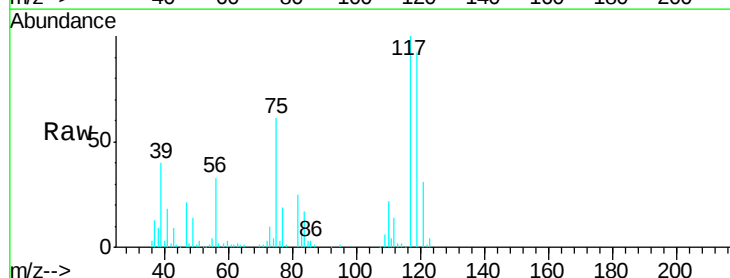
Instrument :
MSVOA_W
ClientSampleId :
VW1002SBSD02

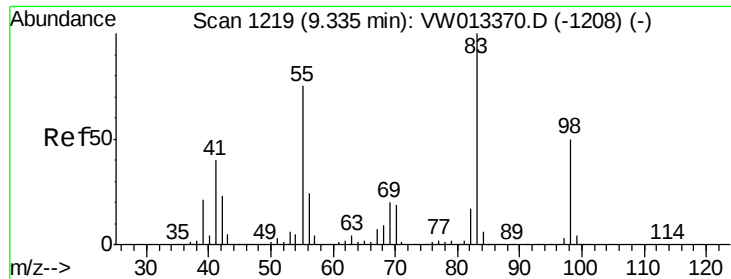
Tgt Ion: 43 Resp: 47865
Ion Ratio Lower Upper
43 100
61 14.5 10.9 16.3
70 10.5 8.2 12.2



#38
Carbon Tetrachloride
Concen: 22.728 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW013402.D
Acq: 03 Oct 2019 03:44

Tgt Ion: 117 Resp: 77331
Ion Ratio Lower Upper
117 100
119 91.6 73.5 110.3
121 31.2 25.0 37.6

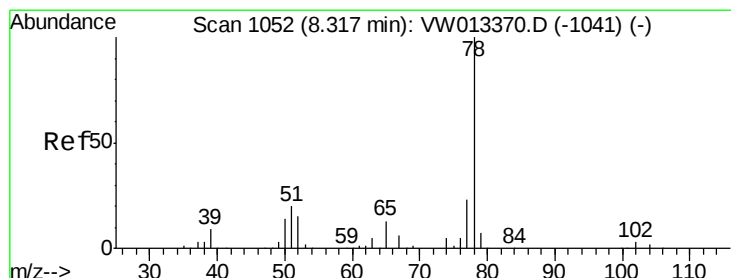
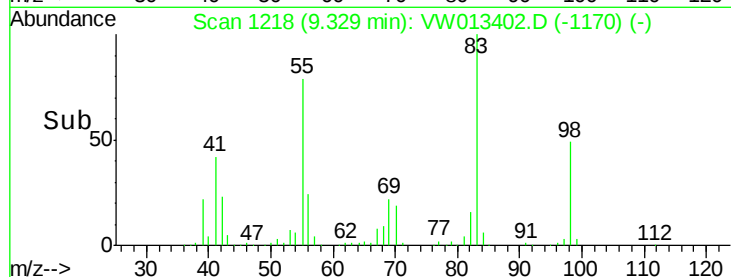
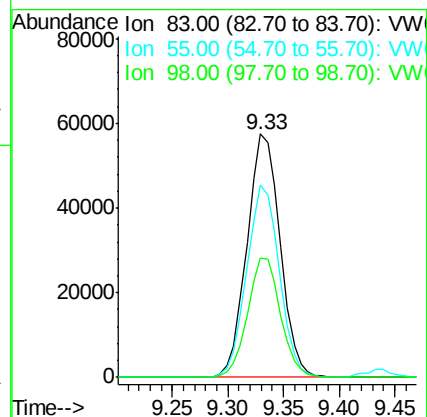
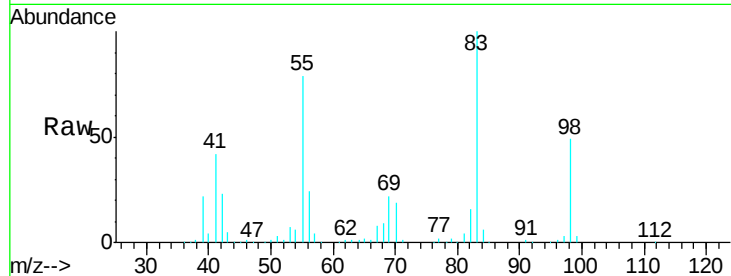




#39
Methylcyclohexane
Concen: 23.091 ug/l
RT: 9.33 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW013402.D
Acq: 03 Oct 2019 03:44

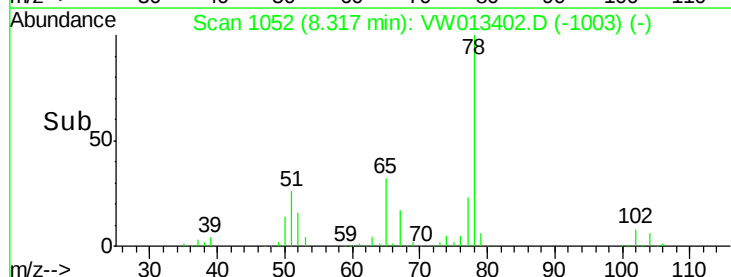
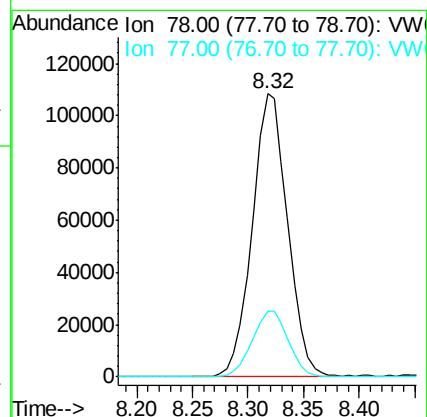
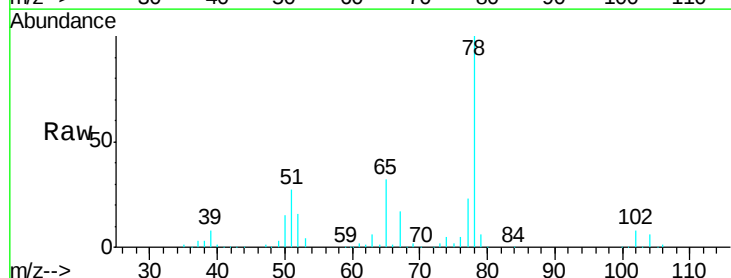
Instrument :
MSVOA_W
ClientSampleId :
VW1002SBSD02

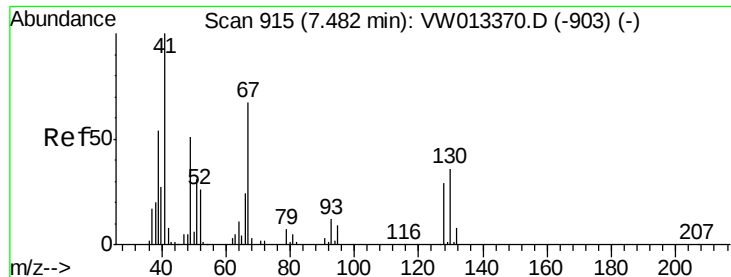
Tgt Ion: 83 Resp: 119445
Ion Ratio Lower Upper
83 100
55 78.8 60.4 90.6
98 49.0 40.0 60.0



#40
Benzene
Concen: 21.502 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW013402.D
Acq: 03 Oct 2019 03:44

Tgt Ion: 78 Resp: 239073
Ion Ratio Lower Upper
78 100
77 23.4 19.1 28.7

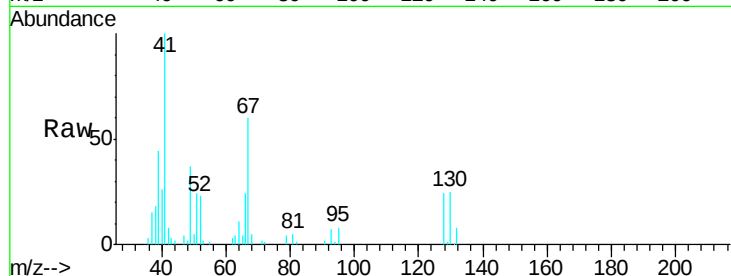




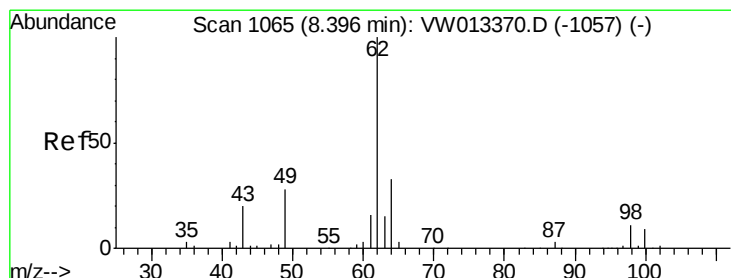
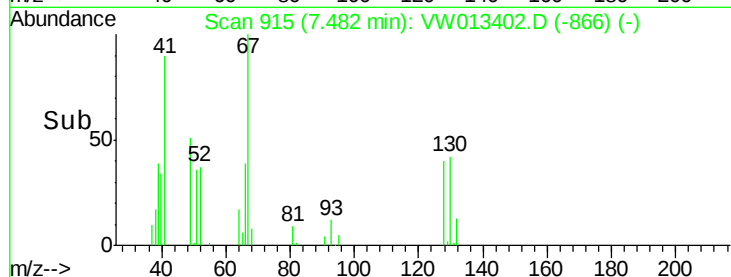
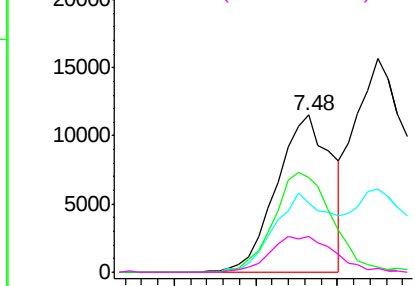
#41
Methacrylonitrile
Concen: 25.848 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW013402.D
Acq: 03 Oct 2019 03:44

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBSD02

Tgt Ion:	41	Resp:	27016
Ion	Ratio	Lower	Upper
41	100		
39	50.9	45.9	68.9
67	67.4	54.5	81.7
52	26.9	22.5	33.7

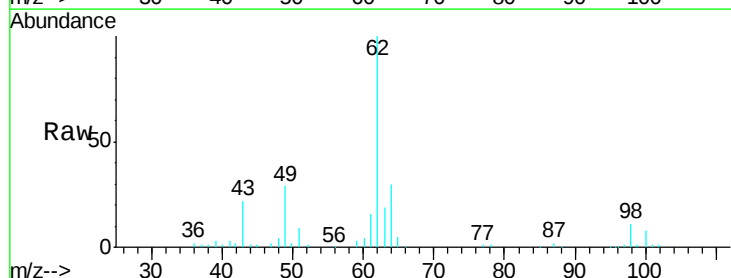


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

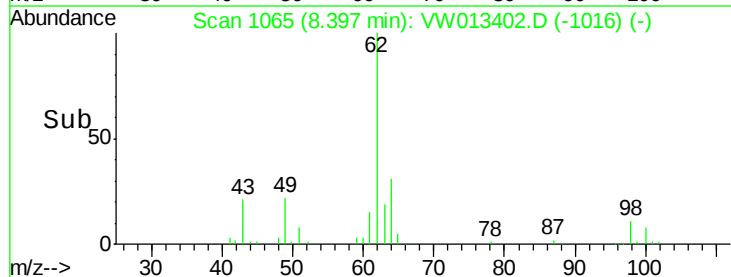
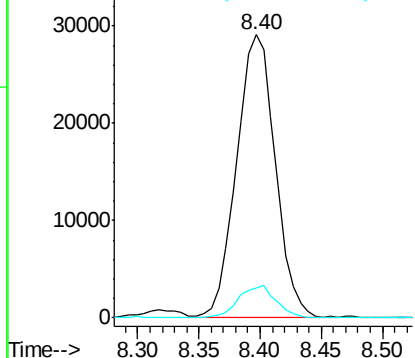


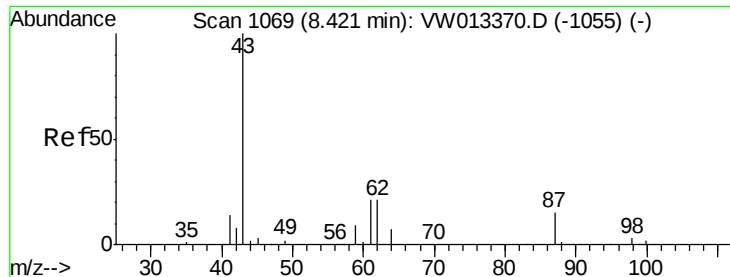
#42
1,2-Dichloroethane
Concen: 22.296 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW013402.D
Acq: 03 Oct 2019 03:44

Tgt Ion:	62	Resp:	63714
Ion	Ratio	Lower	Upper
62	100		
98	11.0	0.0	20.6



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 24.665 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

Instrument :

MSVOA_W

ClientSampleId :

VW1002SBSD02

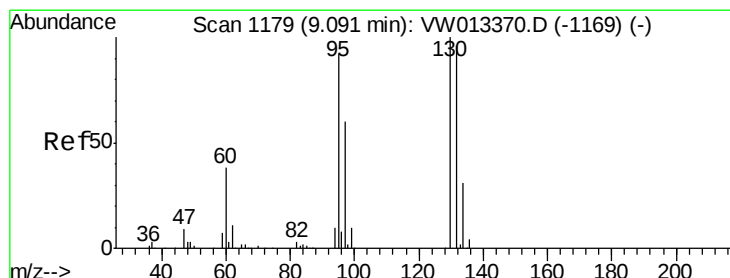
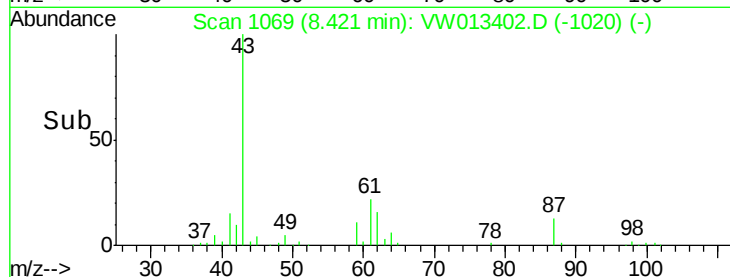
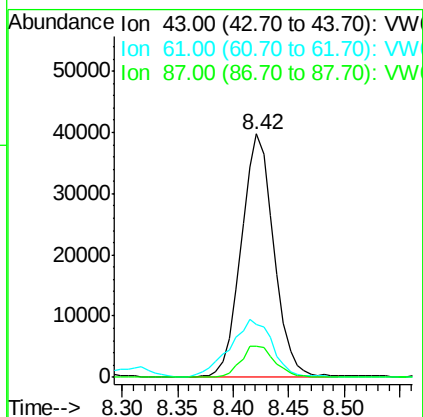
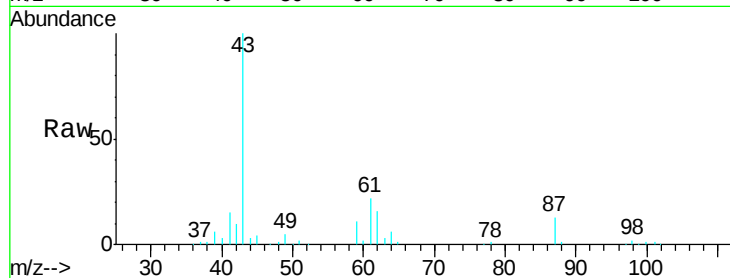
Tgt Ion: 43 Resp: 80471

Ion Ratio Lower Upper

43 100

61 31.4 25.5 38.3

87 13.6 11.0 16.4



#44

Trichloroethene

Concen: 21.782 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW013402.D

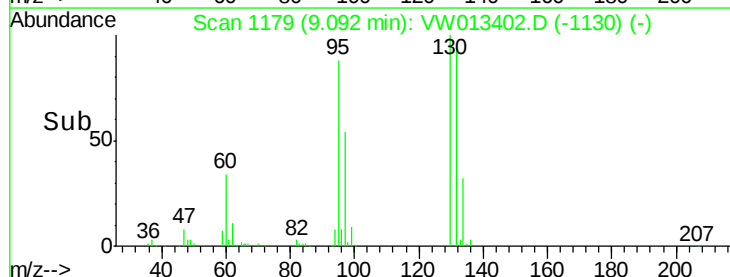
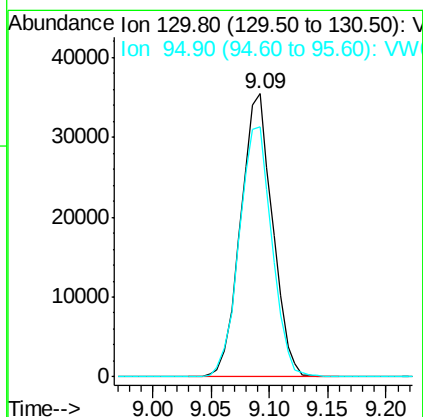
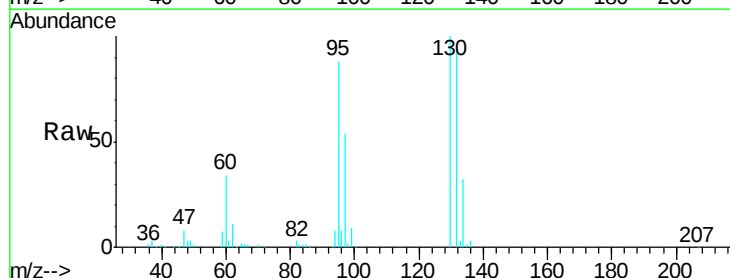
Acq: 03 Oct 2019 03:44

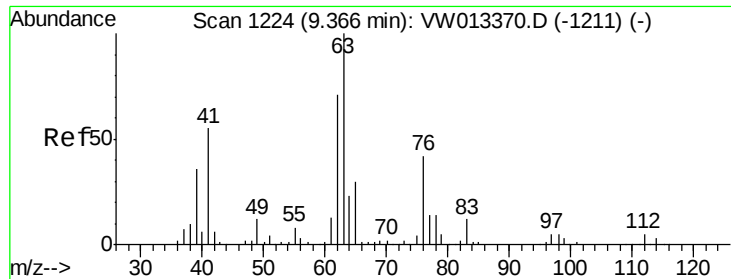
Tgt Ion: 130 Resp: 68201

Ion Ratio Lower Upper

130 100

95 88.4 0.0 188.0





#45

1,2-Dichloropropane

Concen: 21.625 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

Instrument :

MSVOA_W

ClientSampleId :

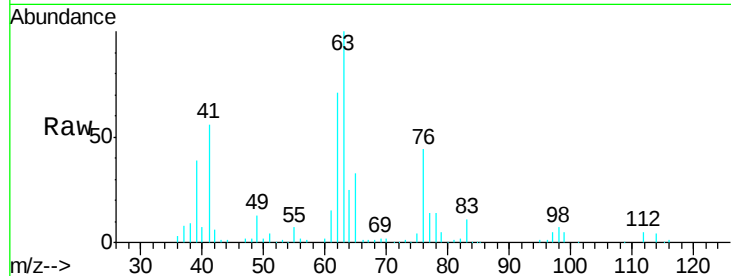
VW1002SBSD02

Tgt Ion: 63 Resp: 57731

Ion Ratio Lower Upper

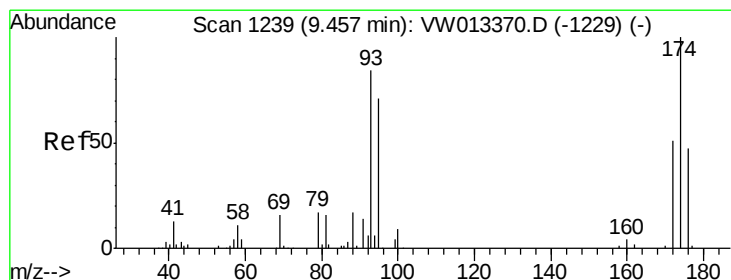
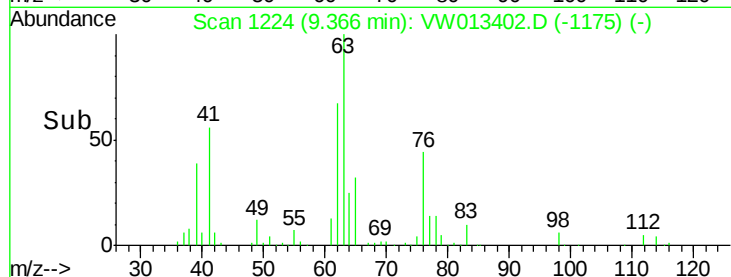
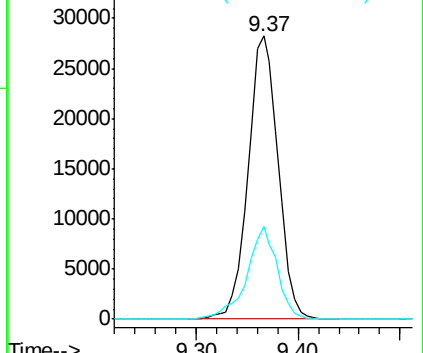
63 100

65 32.5 25.3 37.9



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 22.847 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

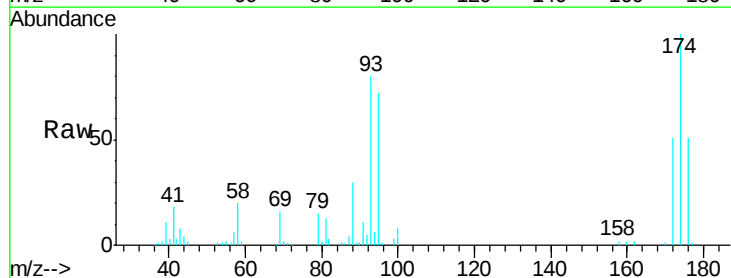
Tgt Ion: 93 Resp: 30379

Ion Ratio Lower Upper

93 100

95 87.0 66.4 99.6

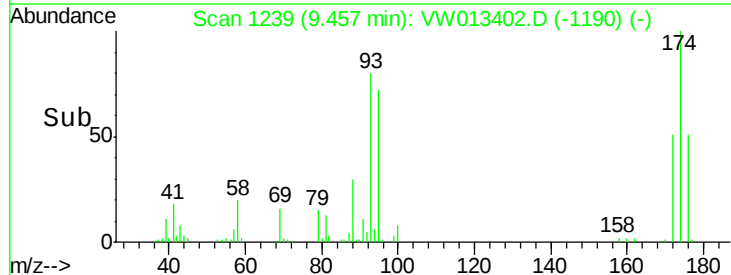
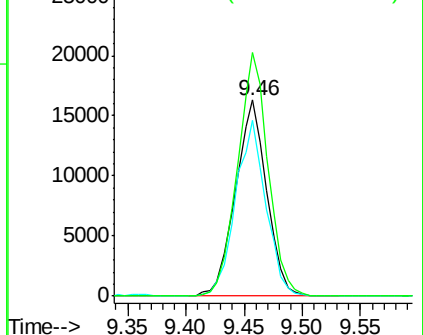
174 122.2 93.0 139.6

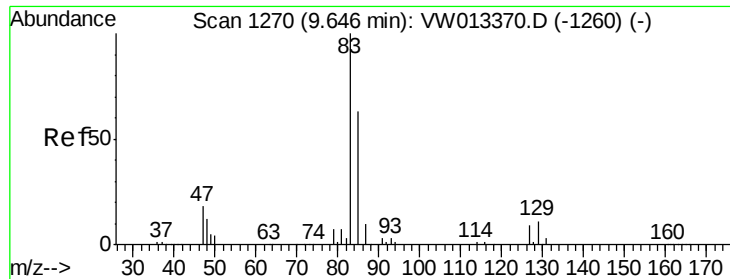


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V

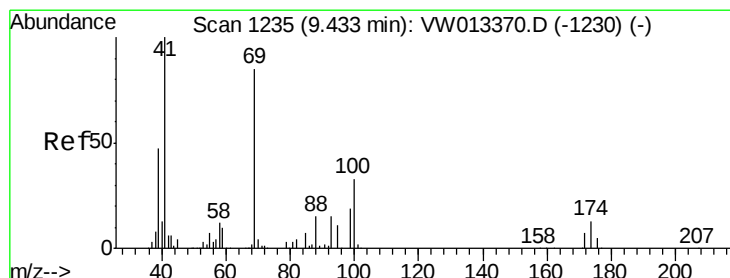
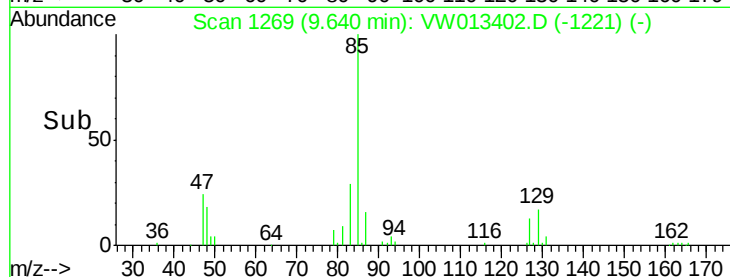
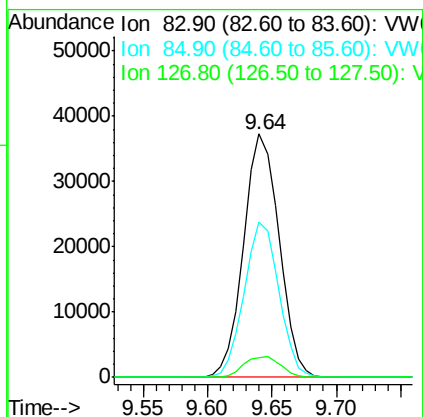
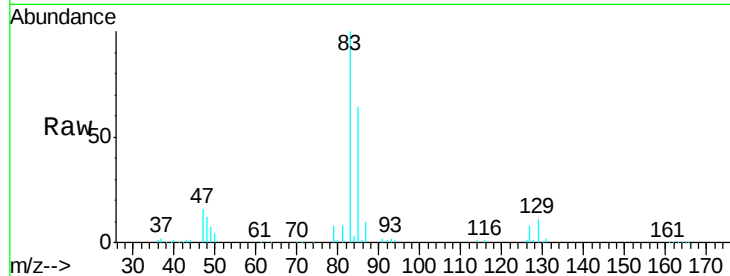




#47
Bromodichloromethane
Concen: 21.712 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW013402.D
Acq: 03 Oct 2019 03:44

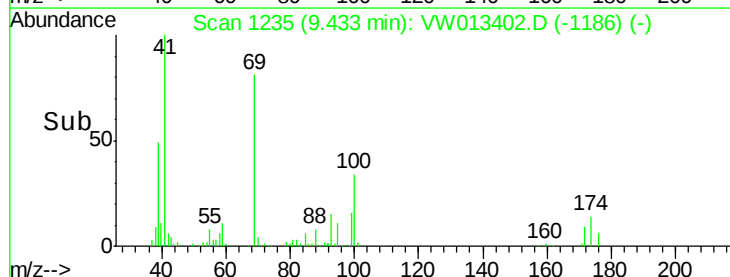
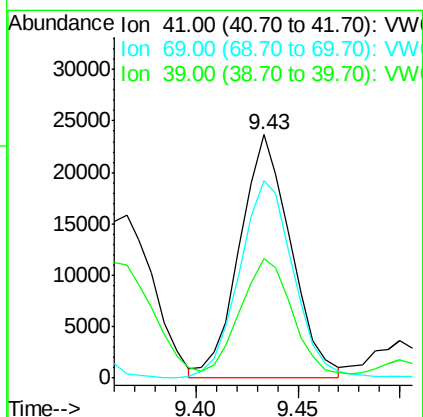
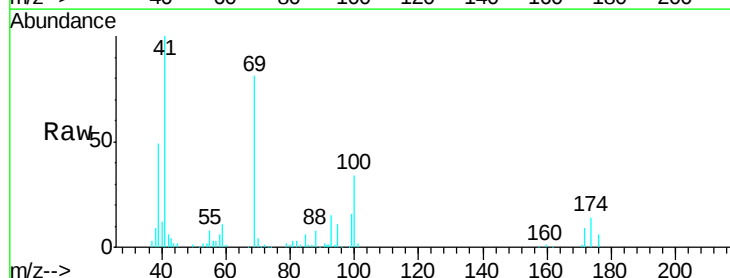
Instrument :
MSVOA_W
ClientSampleId :
VW1002SBSD02

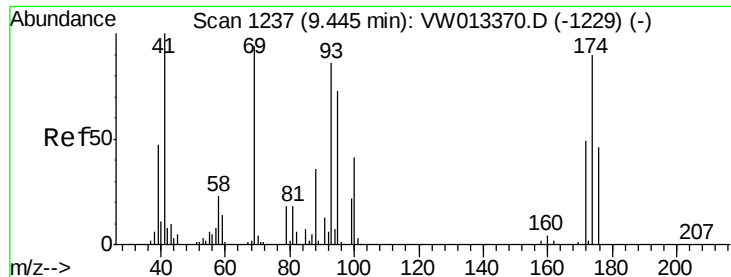
Tgt Ion: 83 Resp: 71072
Ion Ratio Lower Upper
83 100
85 63.8 49.4 74.2
127 8.0 6.5 9.7



#48
Methyl methacrylate
Concen: 26.331 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW013402.D
Acq: 03 Oct 2019 03:44

Tgt Ion: 41 Resp: 41278
Ion Ratio Lower Upper
41 100
69 85.8 69.7 104.5
39 47.3 41.1 61.7





#49

1,4-Dioxane

Concen: 635.491 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

Instrument :

MSVOA_W

ClientSampleId :

VW1002SBSD02

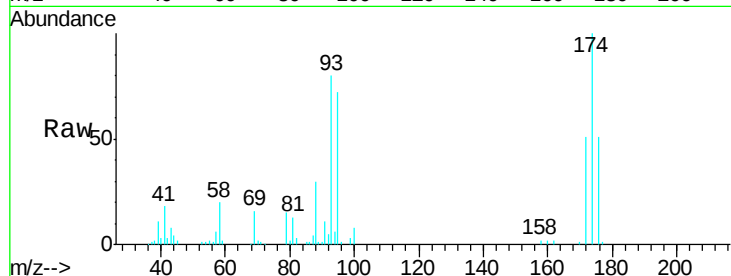
Tgt Ion: 88 Resp: 13187

Ion Ratio Lower Upper

88 100

43 27.2 0.0 0.0#

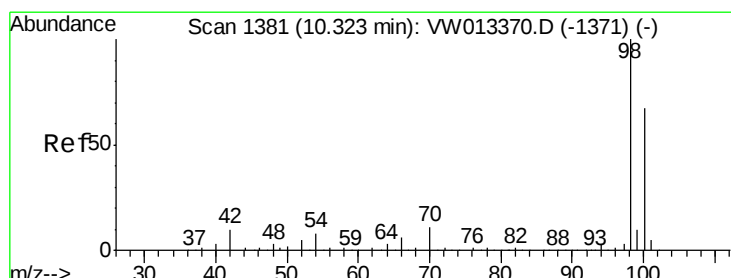
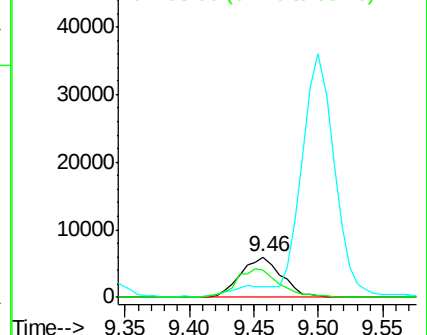
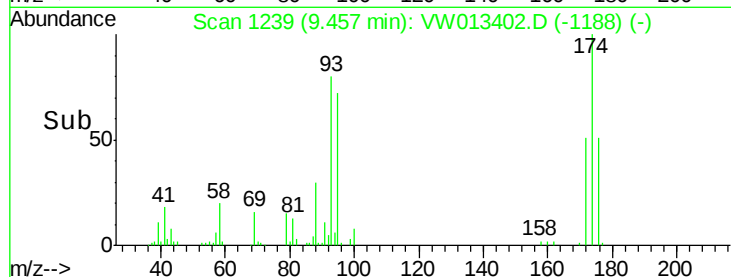
58 74.8 65.4 98.0



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 57.600 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW013402.D

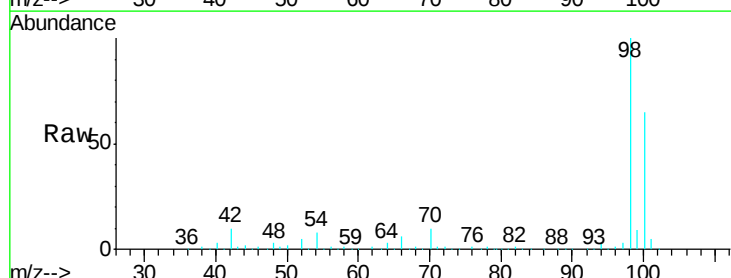
Acq: 03 Oct 2019 03:44

Tgt Ion: 98 Resp: 530404

Ion Ratio Lower Upper

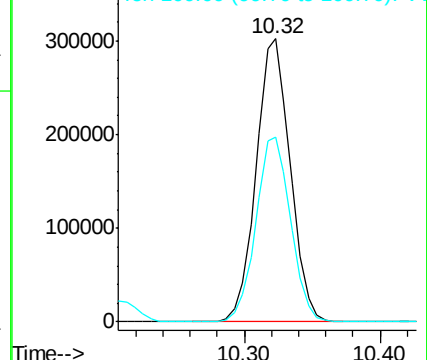
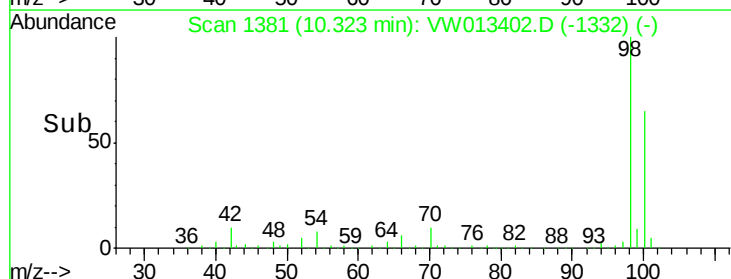
98 100

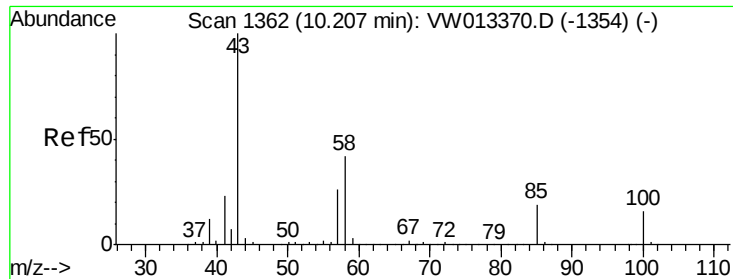
100 66.3 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 132.479 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

Instrument :

MSVOA_W

ClientSampleId :

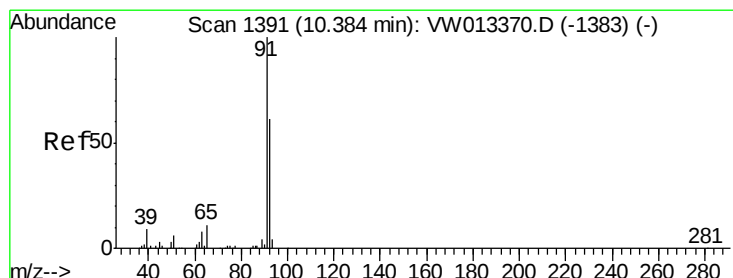
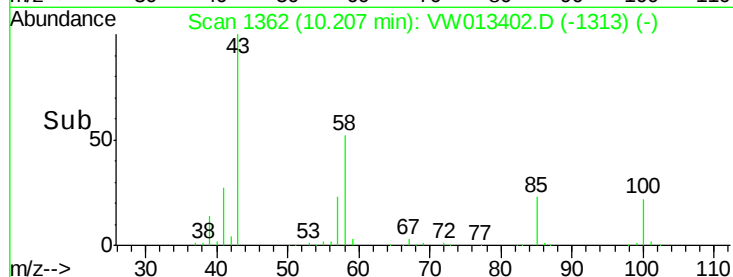
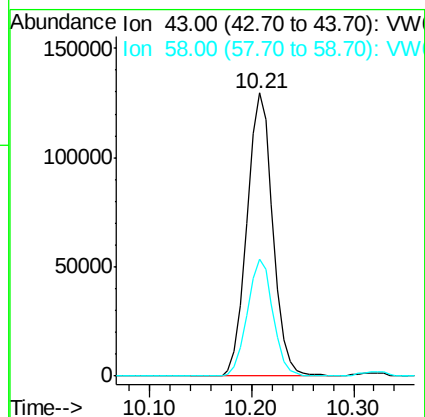
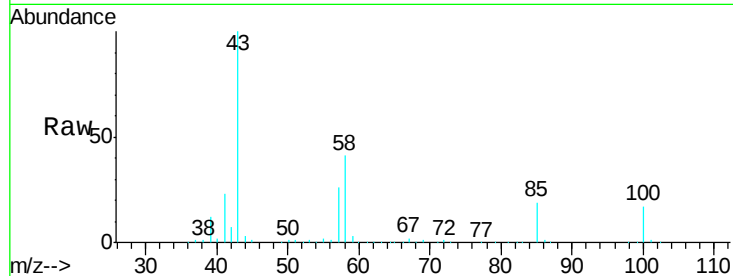
VW1002SBSD02

Tgt Ion: 43 Resp: 227091

Ion Ratio Lower Upper

43 100

58 41.3 31.7 47.5



#52

Toluene

Concen: 21.448 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW013402.D

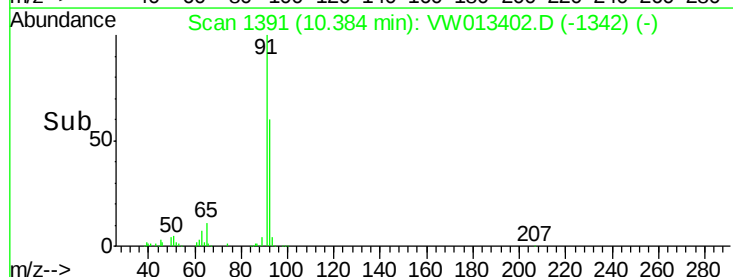
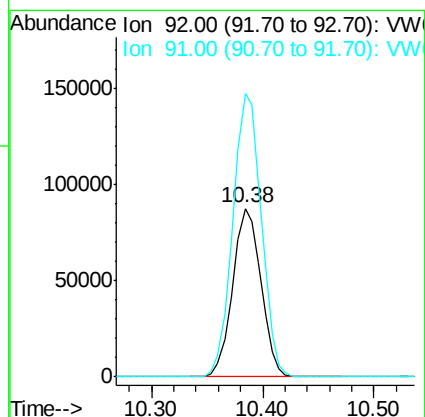
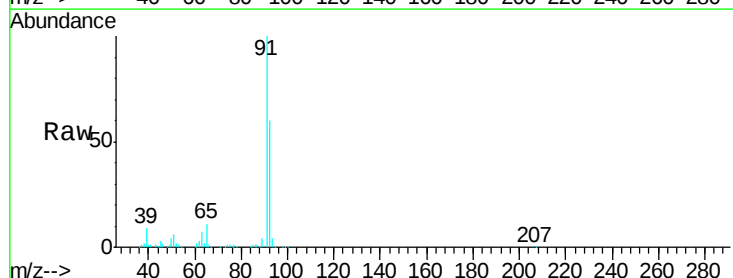
Acq: 03 Oct 2019 03:44

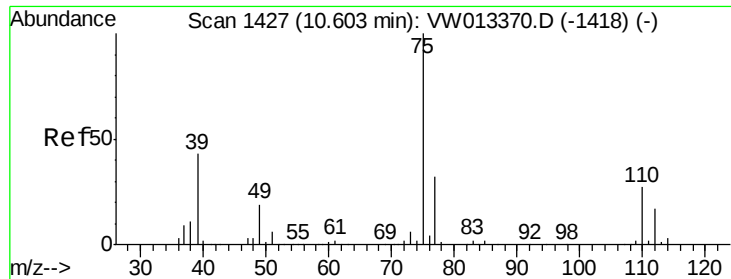
Tgt Ion: 92 Resp: 153814

Ion Ratio Lower Upper

92 100

91 169.2 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 21.218 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

Instrument :

MSVOA_W

ClientSampleId :

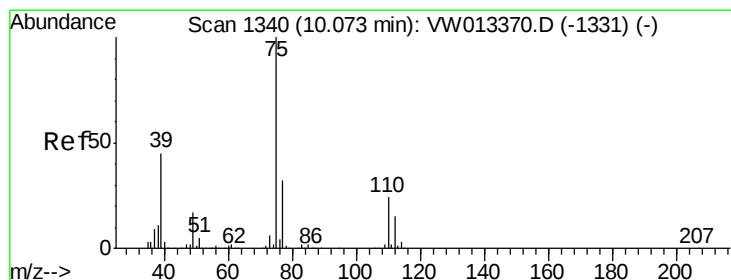
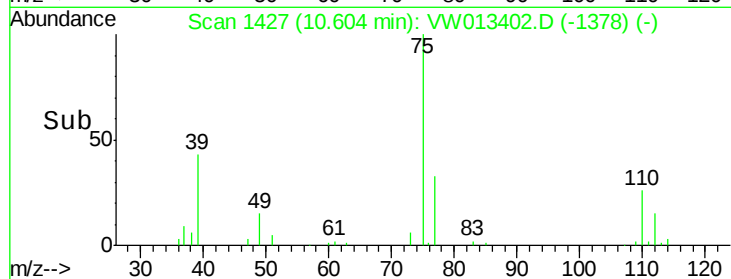
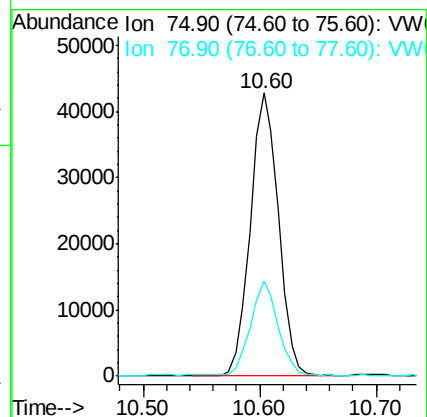
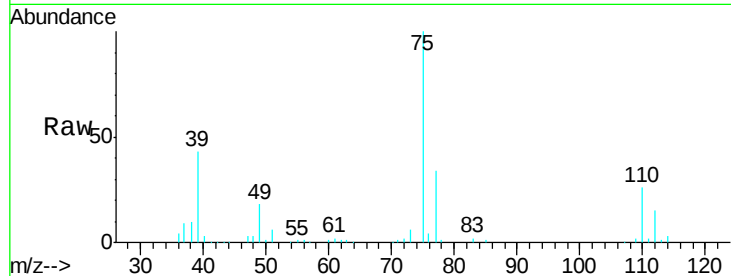
VW1002SBSD02

Tgt Ion: 75 Resp: 72244

Ion Ratio Lower Upper

75 100

77 33.3 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 20.711 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

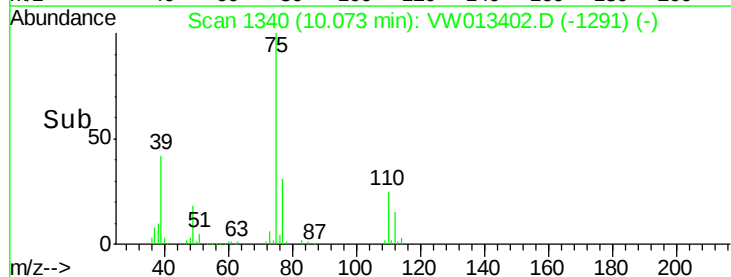
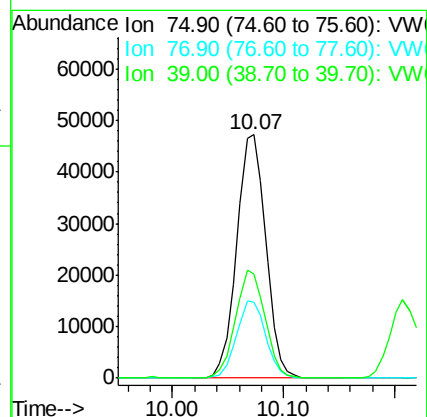
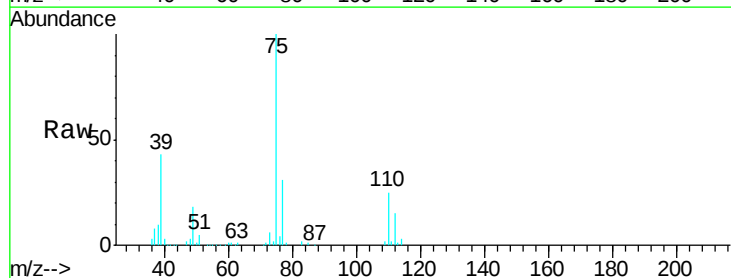
Tgt Ion: 75 Resp: 85499

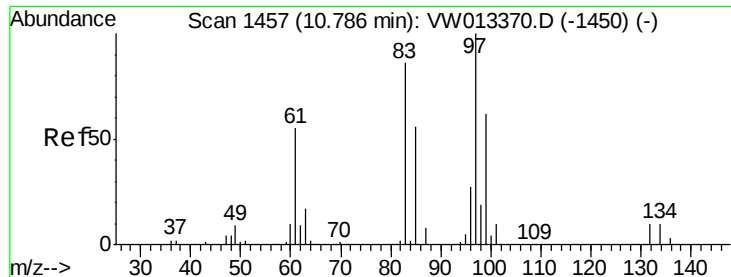
Ion Ratio Lower Upper

75 100

77 31.0 25.2 37.8

39 42.6 36.6 55.0

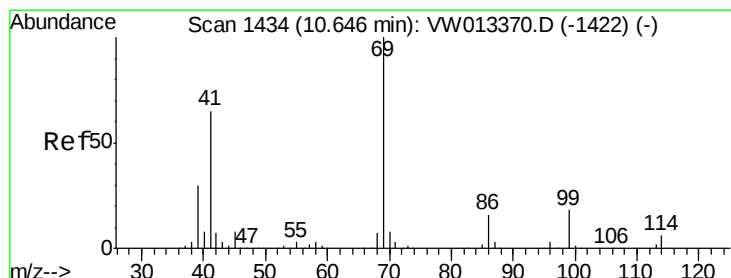
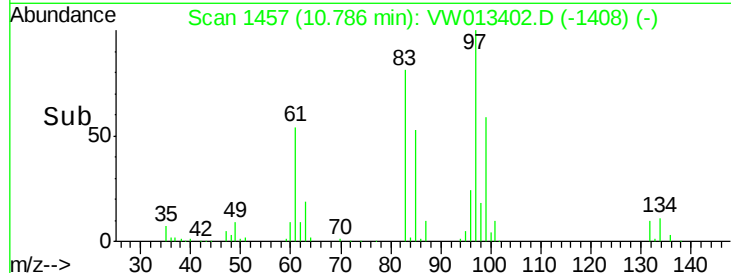
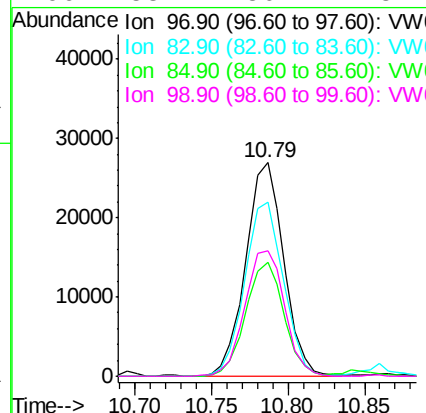
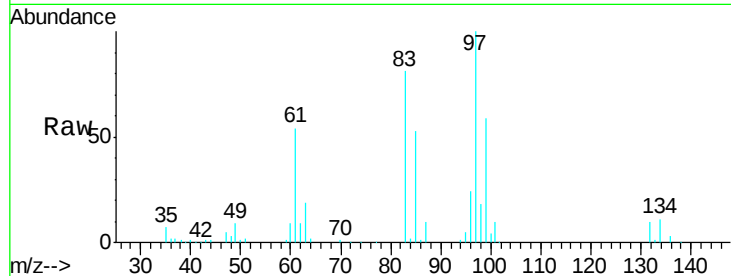




#55
 1,1,2-Trichloroethane
 Concen: 23.457 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW013402.D
 Acq: 03 Oct 2019 03:44

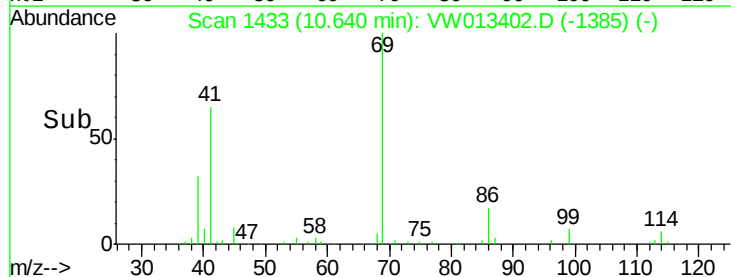
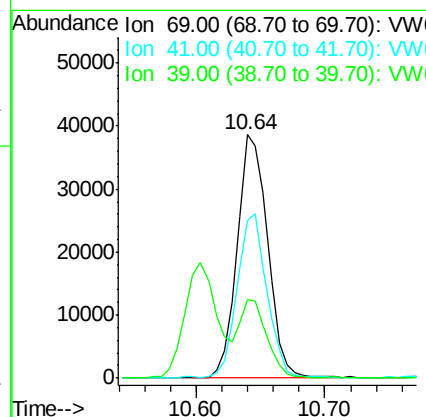
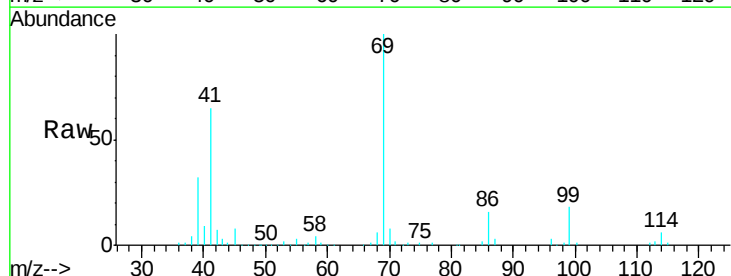
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1002SBSD02

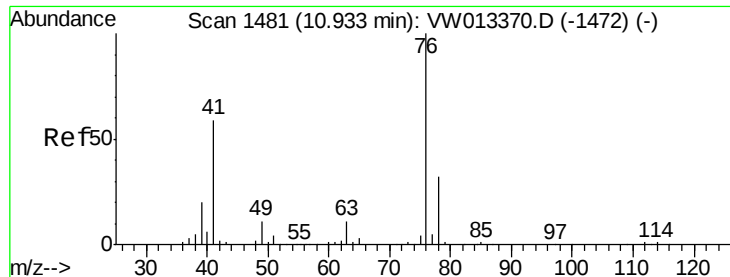
Tgt Ion:	97	Resp:	46530
Ion	Ratio	Lower	Upper
97	100		
83	81.4	67.6	101.4
85	53.4	41.9	62.9
99	58.7	50.1	75.1



#56
 Ethyl methacrylate
 Concen: 23.860 ug/l
 RT: 10.64 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: VW013402.D
 Acq: 03 Oct 2019 03:44

Tgt Ion:	69	Resp:	63705
Ion	Ratio	Lower	Upper
69	100		
41	65.1	53.9	80.9
39	29.0	23.8	35.6

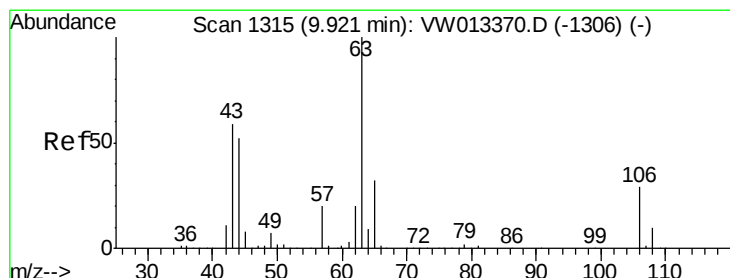
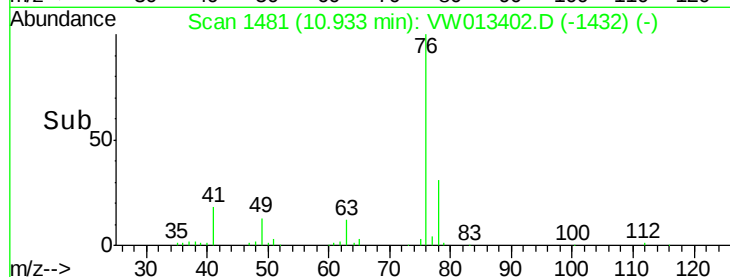
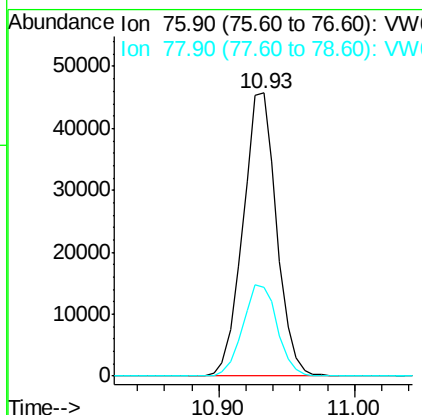
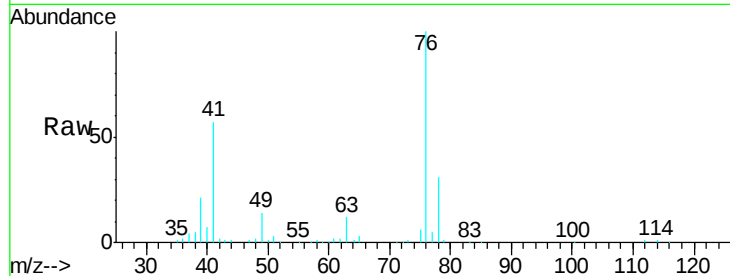




#57
 1,3-Dichloropropane
 Concen: 22.885 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW013402.D
 Acq: 03 Oct 2019 03:44

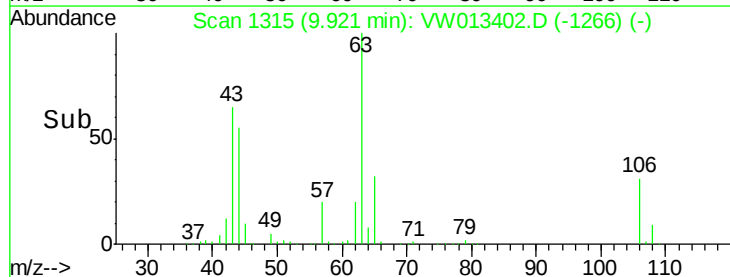
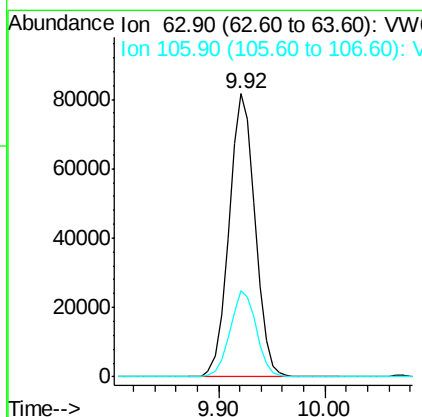
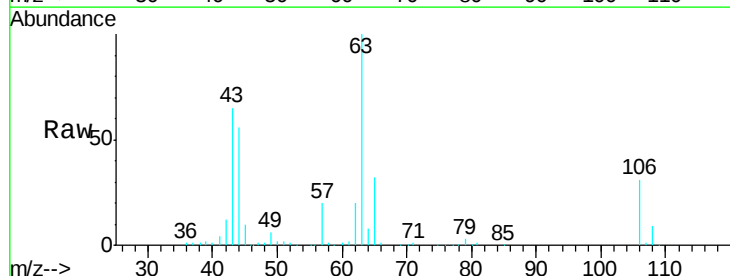
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1002SBSD02

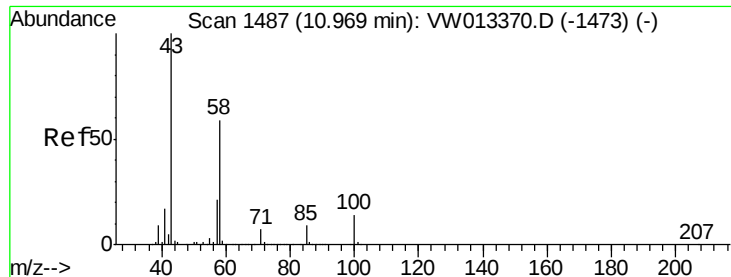
Tgt Ion: 76 Resp: 78916
 Ion Ratio Lower Upper
 76 100
 78 33.2 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 127.300 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW013402.D
 Acq: 03 Oct 2019 03:44

Tgt Ion: 63 Resp: 139615
 Ion Ratio Lower Upper
 63 100
 106 30.7 23.4 35.0

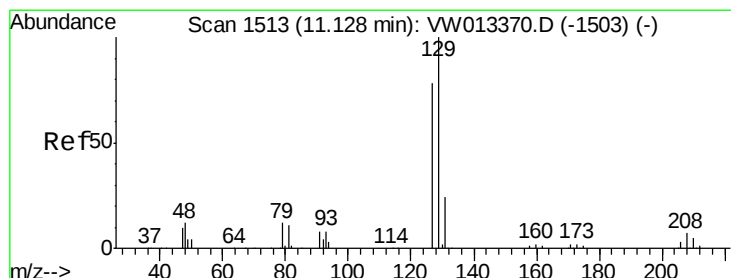
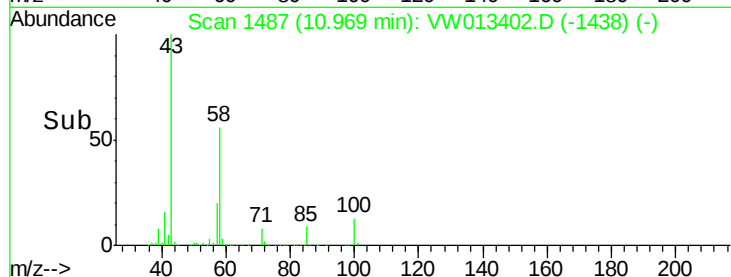
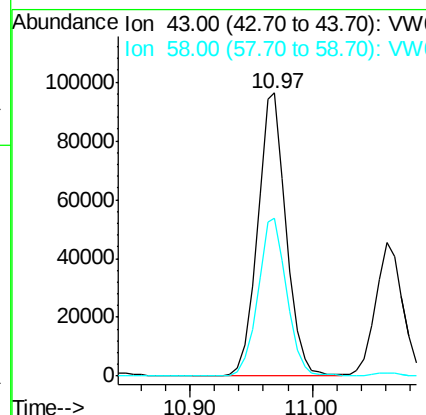
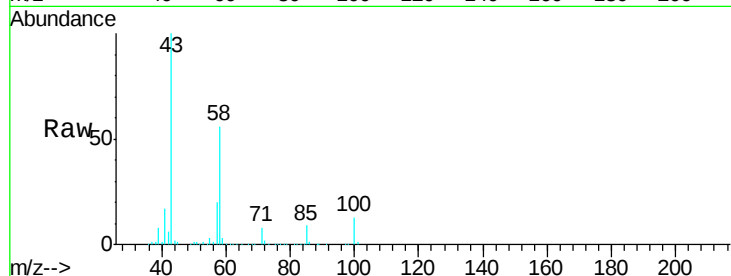




#59
2-Hexanone
Concen: 131.383 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW013402.D
Acq: 03 Oct 2019 03:44

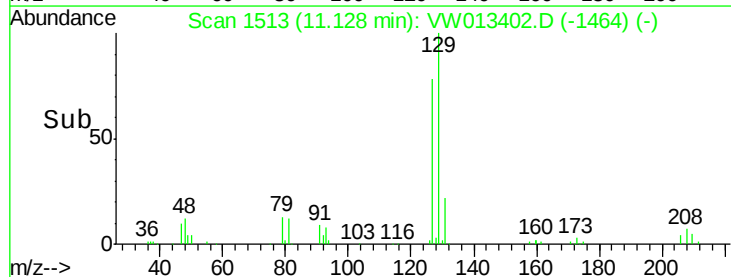
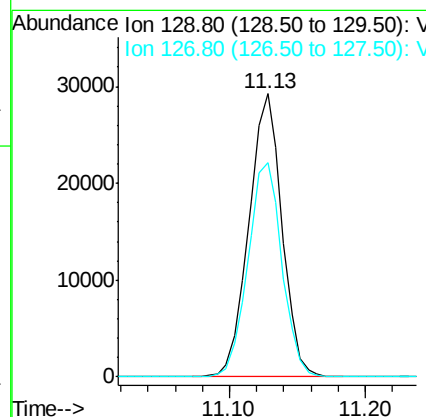
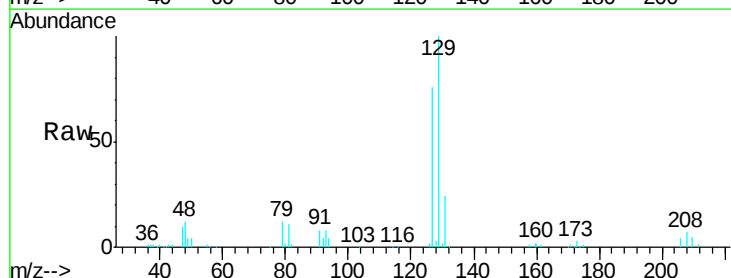
Instrument :
MSVOA_W
ClientSampled :
VW1002SBSD02

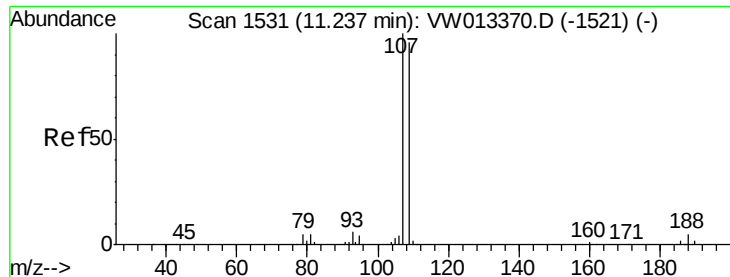
Tgt Ion: 43 Resp: 156101
Ion Ratio Lower Upper
43 100
58 56.2 28.1 84.2



#60
Dibromochloromethane
Concen: 21.946 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW013402.D
Acq: 03 Oct 2019 03:44

Tgt Ion: 129 Resp: 49802
Ion Ratio Lower Upper
129 100
127 77.6 38.8 116.4

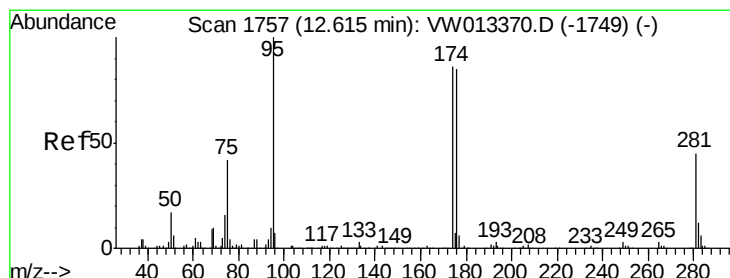
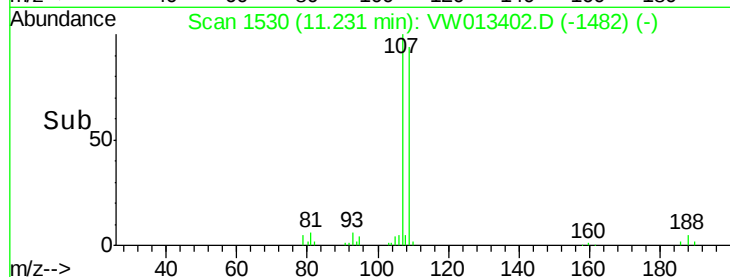
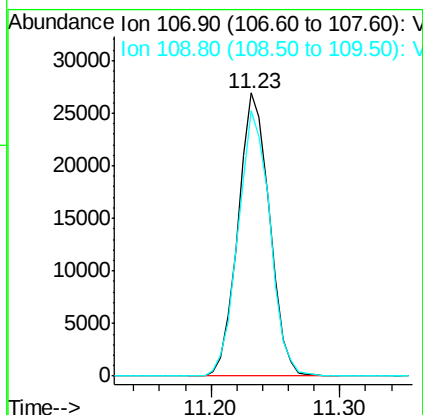
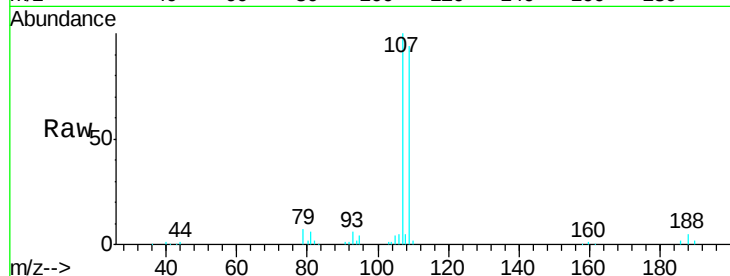




#61
 1,2-Dibromoethane
 Concen: 23.712 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW013402.D
 Acq: 03 Oct 2019 03:44

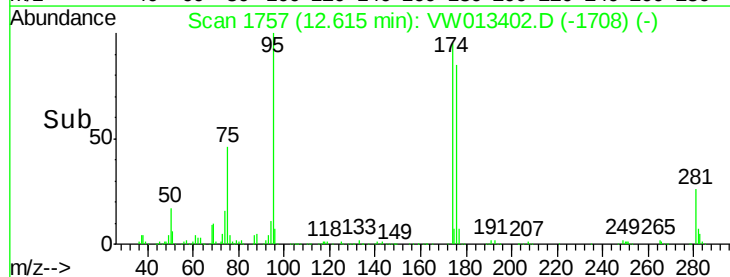
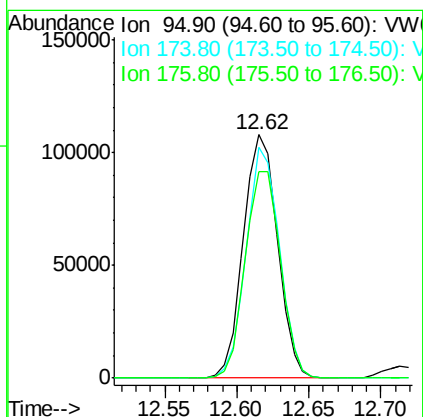
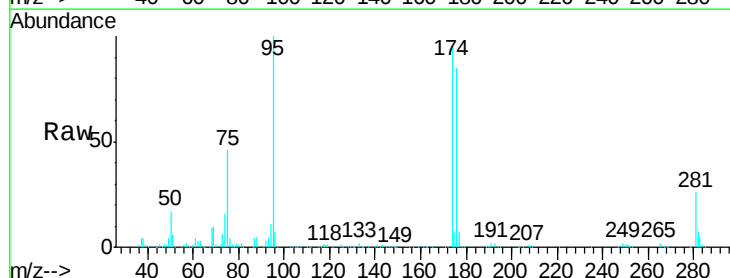
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1002SBSD02

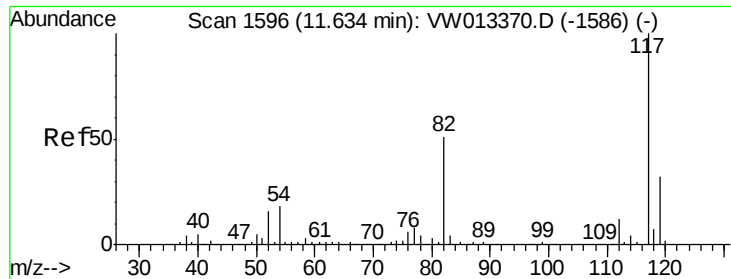
Tgt Ion: 107 Resp: 45450
 Ion Ratio Lower Upper
 107 100
 109 95.1 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 57.680 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW013402.D
 Acq: 03 Oct 2019 03:44

Tgt Ion: 95 Resp: 177367
 Ion Ratio Lower Upper
 95 100
 174 92.1 0.0 178.4
 176 87.6 0.0 172.2

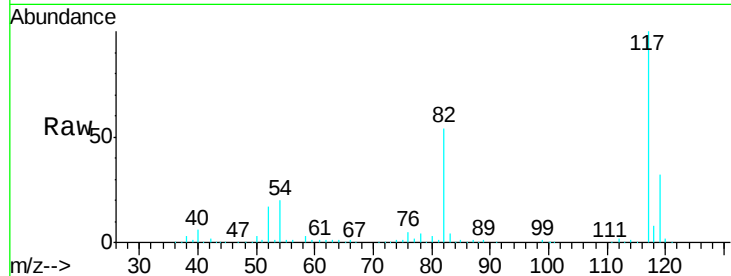




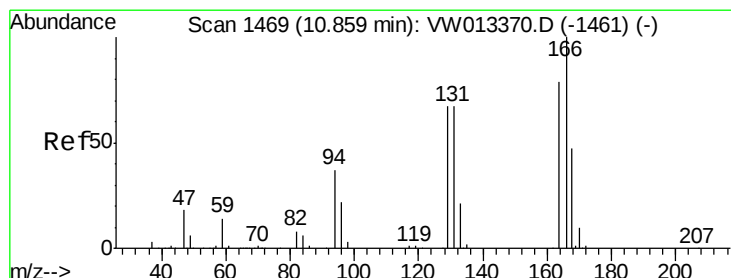
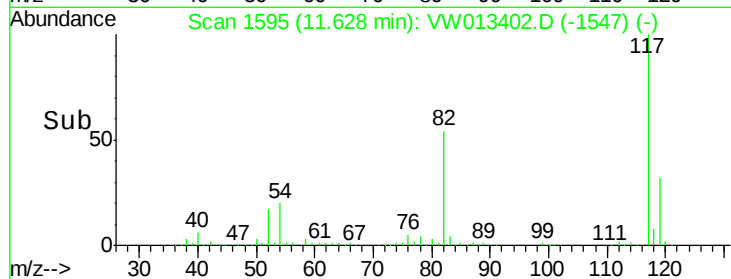
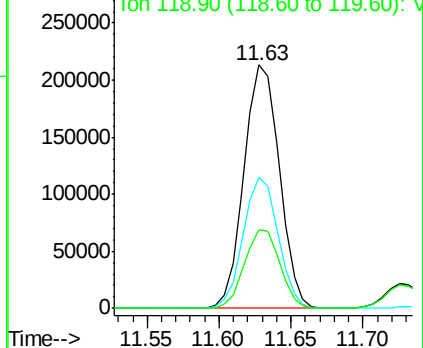
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013402.D
Acq: 03 Oct 2019 03:44

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBSD02

Tgt Ion:117 Resp: 364142
Ion Ratio Lower Upper
117 100
82 53.9 45.9 68.9
119 32.5 26.2 39.2



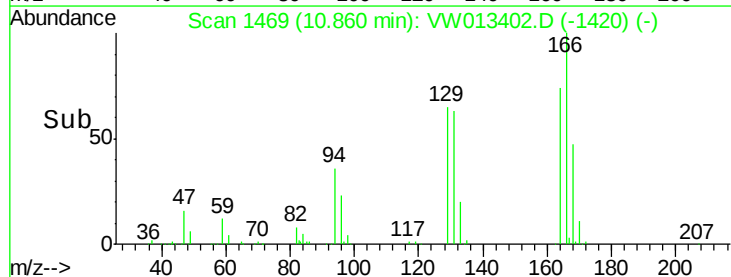
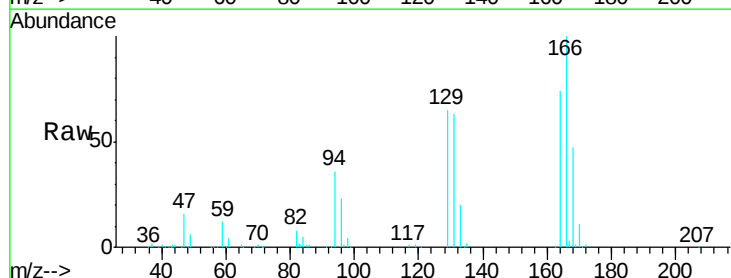
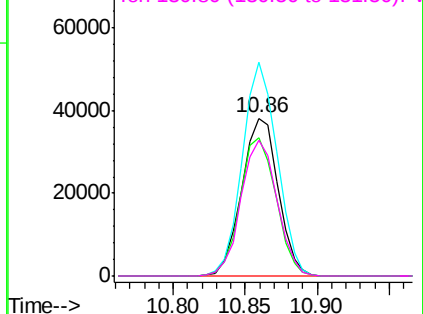
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

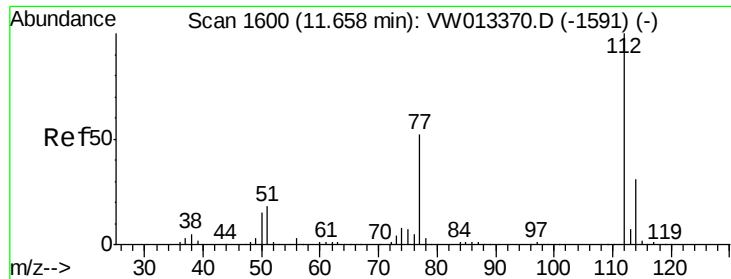


#64
Tetrachloroethene
Concen: 24.091 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW013402.D
Acq: 03 Oct 2019 03:44

Tgt Ion:164 Resp: 66740
Ion Ratio Lower Upper
164 100
166 135.3 101.2 151.8
129 87.9 68.8 103.2
131 85.6 65.2 97.8

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

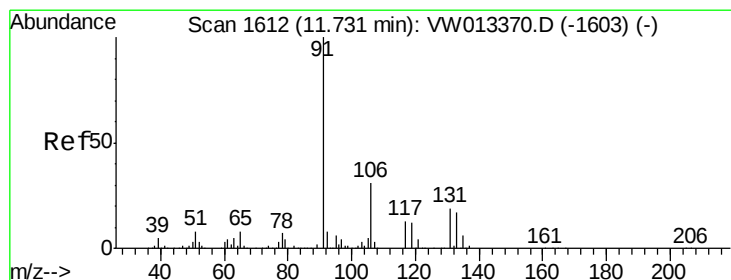
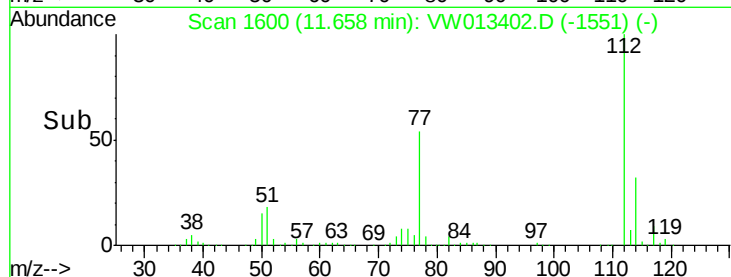
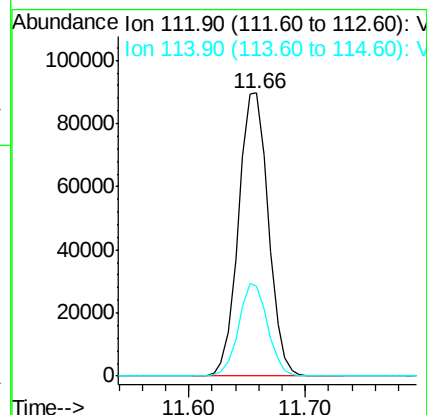
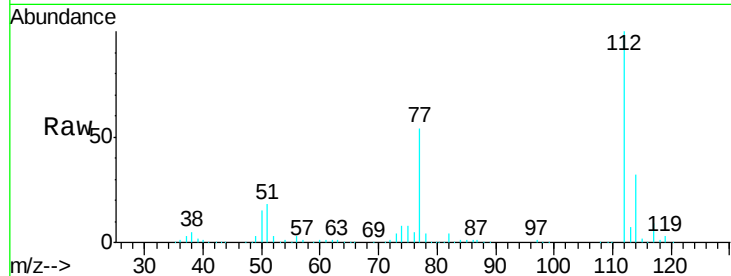




#65
Chlorobenzene
Concen: 21.532 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013402.D
Acq: 03 Oct 2019 03:44

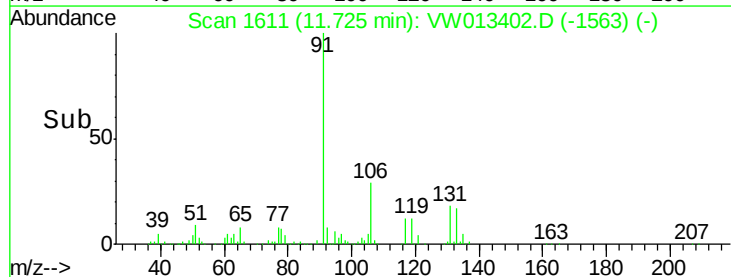
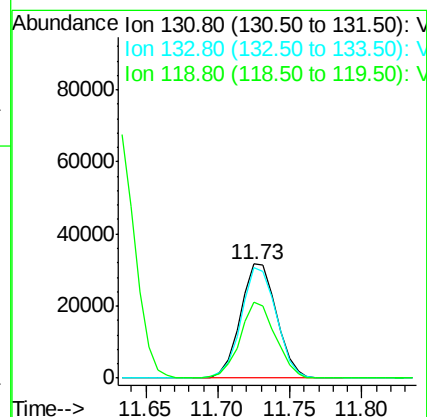
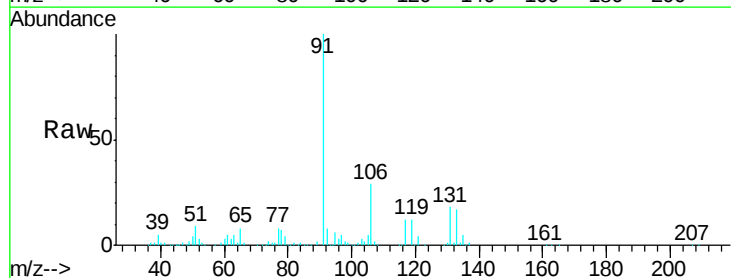
Instrument :
MSVOA_W
ClientSampleId :
VW1002SBSD02

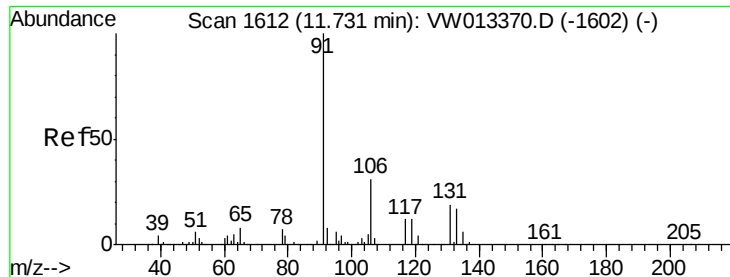
Tgt Ion:112 Resp: 160632
Ion Ratio Lower Upper
112 100
114 31.7 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 21.758 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW013402.D
Acq: 03 Oct 2019 03:44

Tgt Ion:131 Resp: 55285
Ion Ratio Lower Upper
131 100
133 94.0 47.5 142.6
119 64.7 32.5 97.5





#67

Ethyl Benzene

Concen: 21.908 ug/l

RT: 11.73 min Scan# 1611

Delta R.T. -0.01 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

Instrument :

MSVOA_W

ClientSampleId :

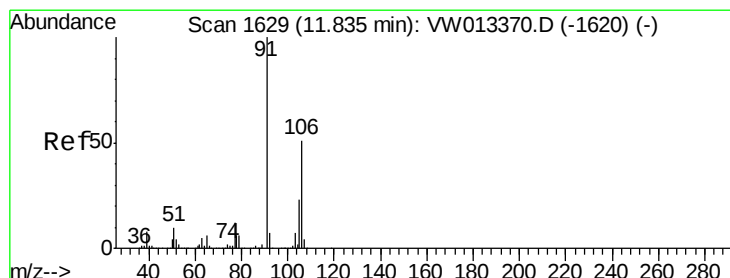
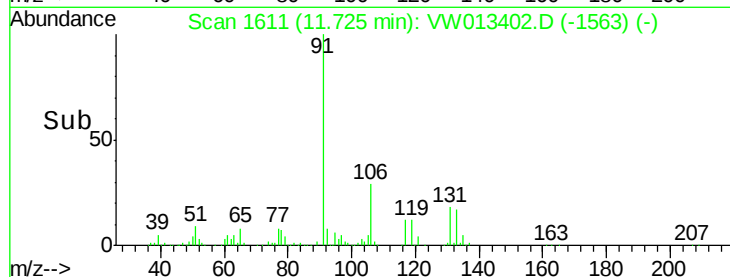
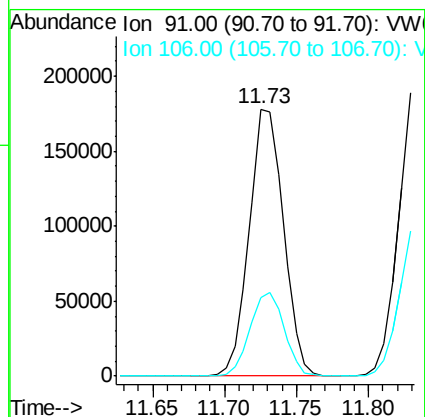
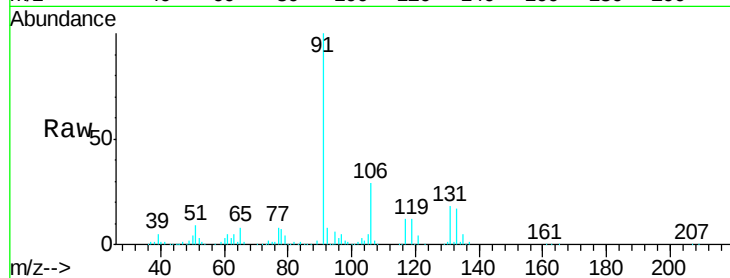
VW1002SBSD02

Tgt Ion: 91 Resp: 292926

Ion Ratio Lower Upper

91 100

106 29.3 24.9 37.3



#68

m/p-Xylenes

Concen: 43.233 ug/l

RT: 11.84 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VW013402.D

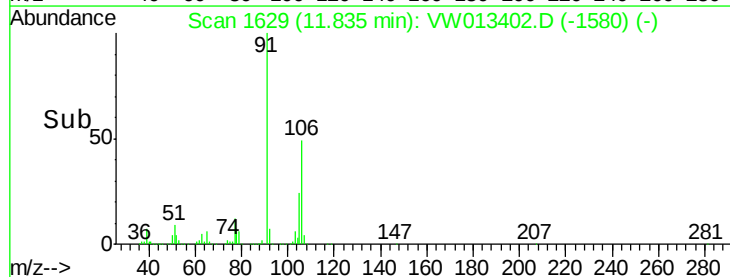
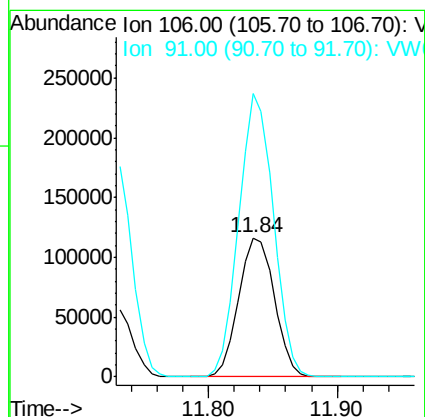
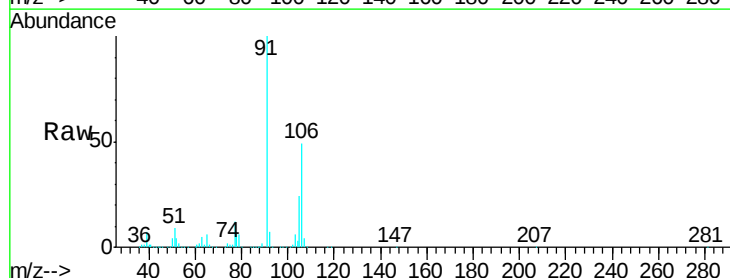
Acq: 03 Oct 2019 03:44

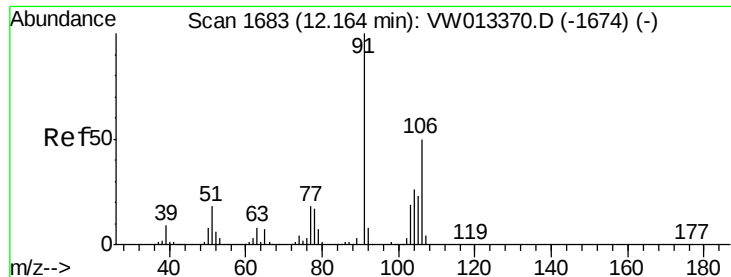
Tgt Ion: 106 Resp: 223120

Ion Ratio Lower Upper

106 100

91 198.0 157.9 236.9

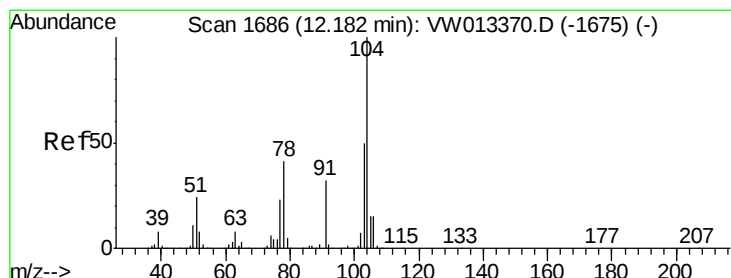
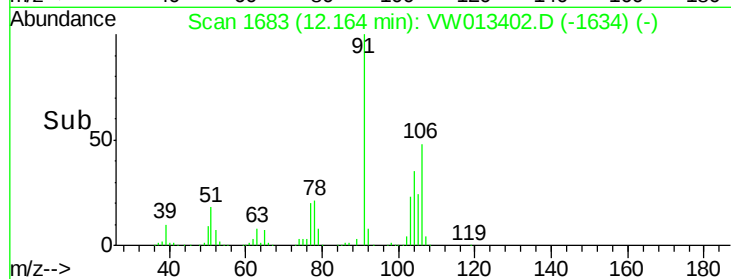
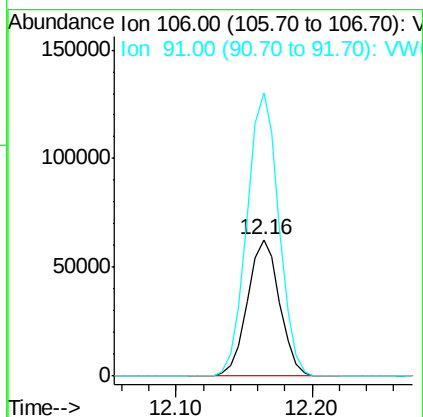
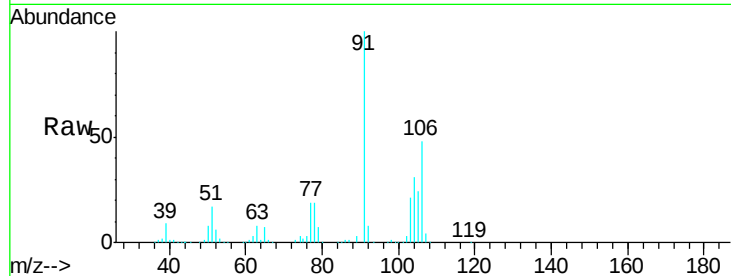




#69
o-Xylene
Concen: 21.751 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013402.D
Acq: 03 Oct 2019 03:44

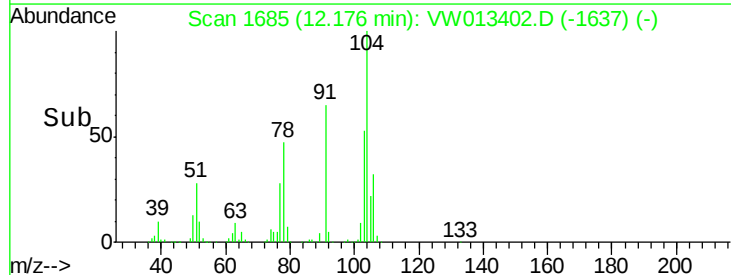
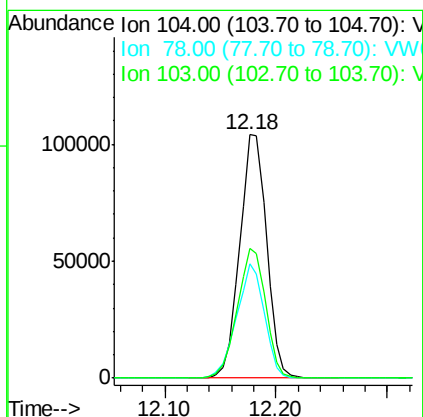
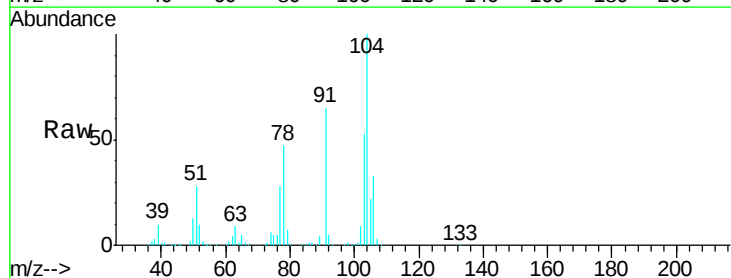
Instrument :
MSVOA_W
ClientSampleId :
VW1002SBSD02

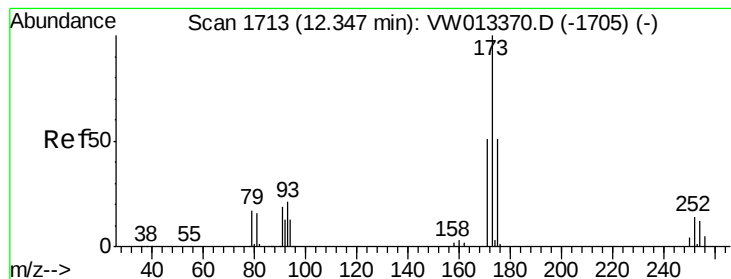
Tgt Ion:106 Resp: 103788
Ion Ratio Lower Upper
106 100
91 206.7 106.5 319.5



#70
Styrene
Concen: 21.456 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW013402.D
Acq: 03 Oct 2019 03:44

Tgt Ion:104 Resp: 175013
Ion Ratio Lower Upper
104 100
78 48.2 38.4 57.6
103 55.8 43.3 64.9





#71

Bromoform

Concen: 24.197 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

Instrument :

MSVOA_W

ClientSampled :

VW1002SBSD02

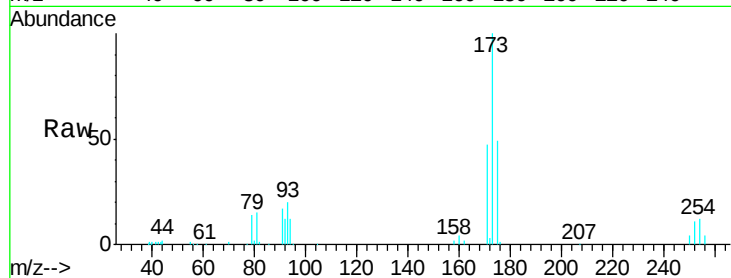
Tgt Ion:173 Resp: 33334

Ion Ratio Lower Upper

173 100

175 49.7 24.3 73.0

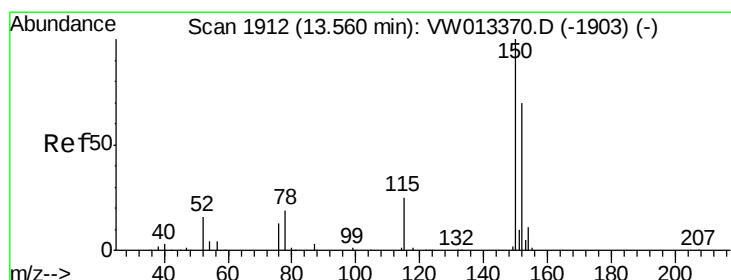
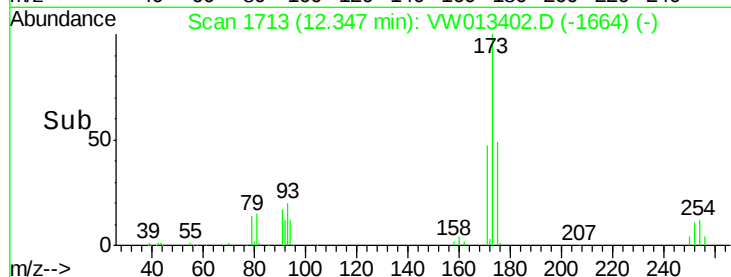
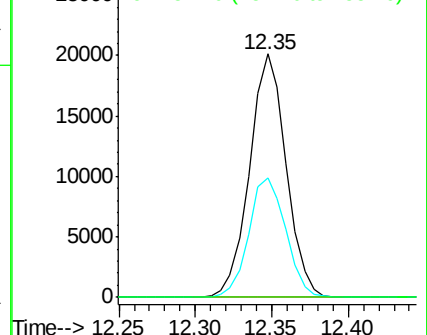
254 0.0 0.1 0.1#



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: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

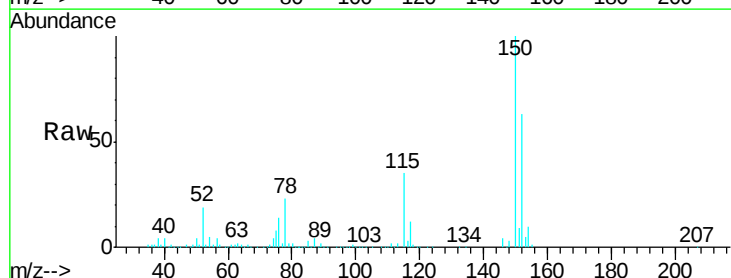
Tgt Ion:152 Resp: 185121

Ion Ratio Lower Upper

152 100

115 53.7 27.3 81.9

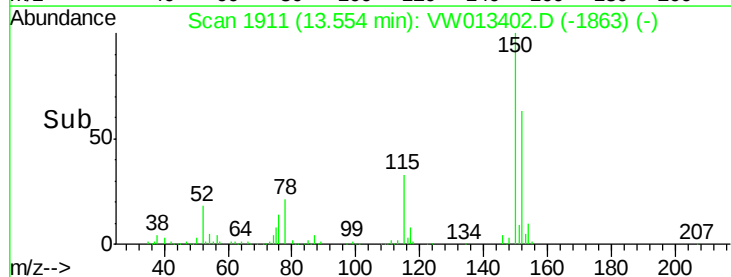
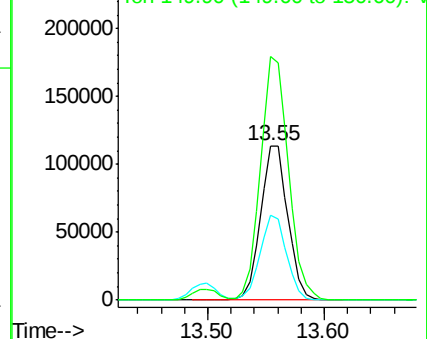
150 162.3 0.0 349.0

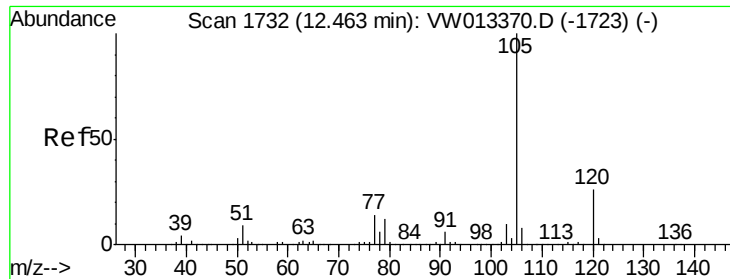


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.536 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

Instrument :

MSVOA_W

ClientSampleId :

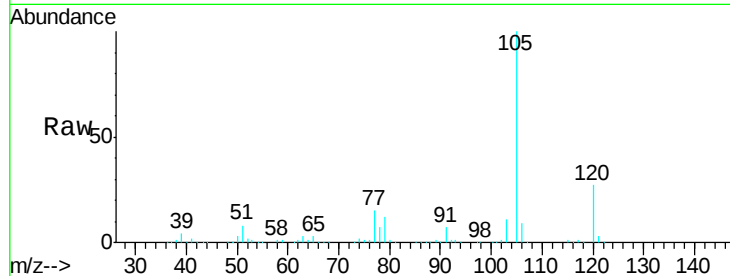
VW1002SBSD02

Tgt Ion: 105 Resp: 291624

Ion Ratio Lower Upper

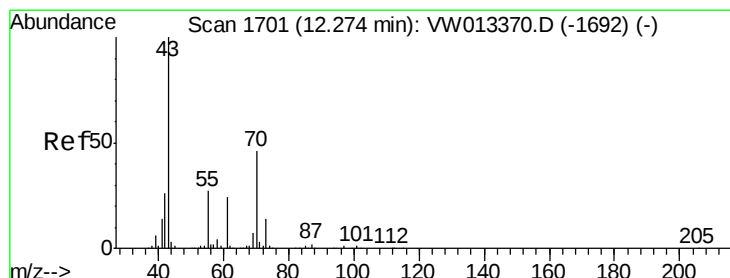
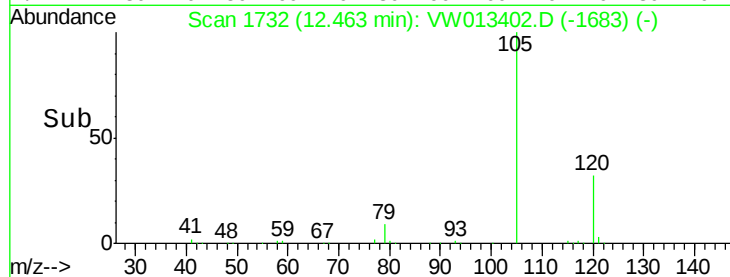
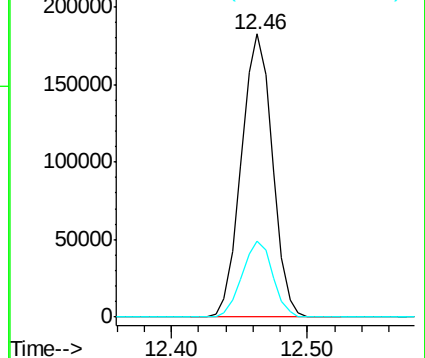
105 100

120 26.5 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 24.155 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

Tgt Ion: 43 Resp: 69611

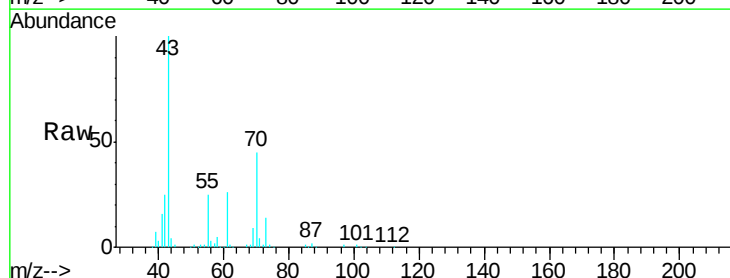
Ion Ratio Lower Upper

43 100

70 44.4 35.1 52.7

55 24.5 19.9 29.9

61 25.5 19.5 29.3

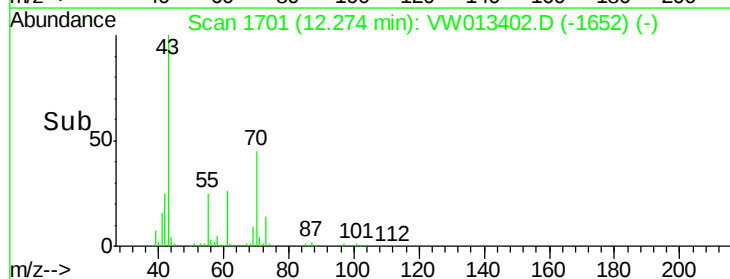
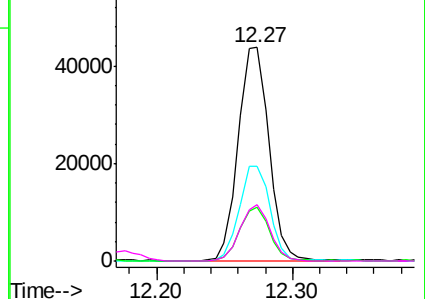


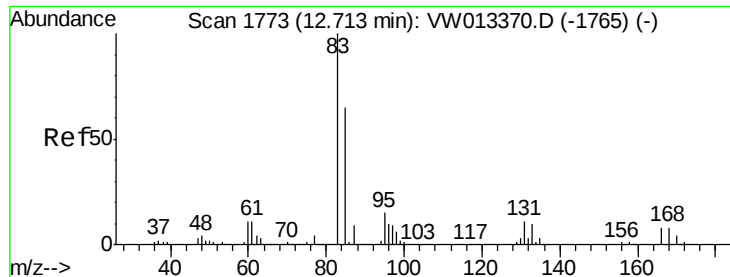
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 24.942 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

Instrument :

MSVOA_W

ClientSampleId :

VW1002SBSD02

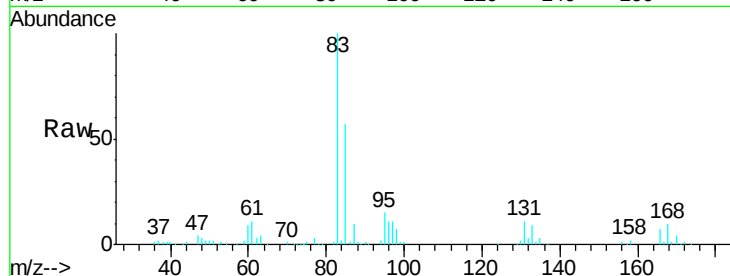
Tgt Ion: 83 Resp: 57165

Ion Ratio Lower Upper

83 100

131 11.7 5.4 16.2

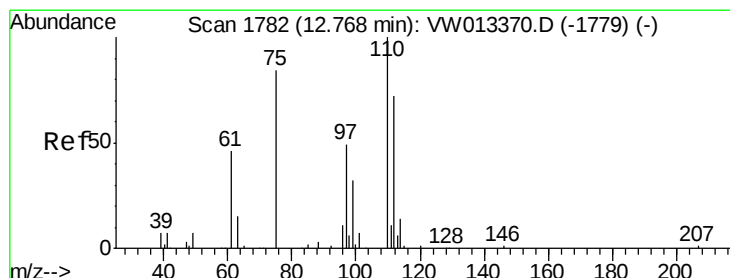
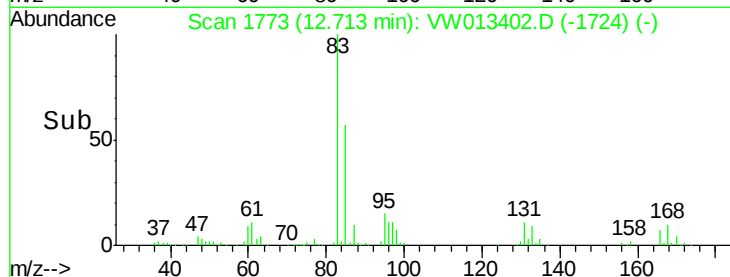
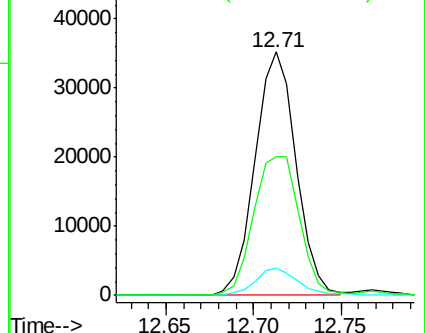
85 64.1 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 43.320 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW013402.D

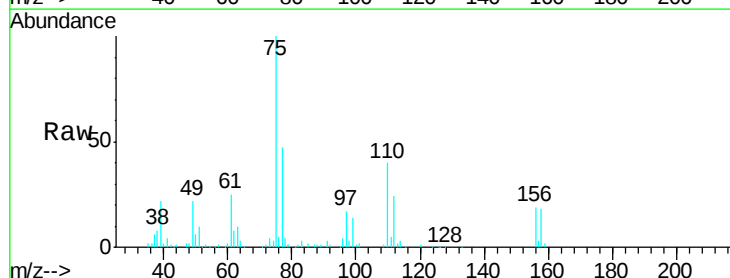
Acq: 03 Oct 2019 03:44

Tgt Ion: 75 Resp: 71275

Ion Ratio Lower Upper

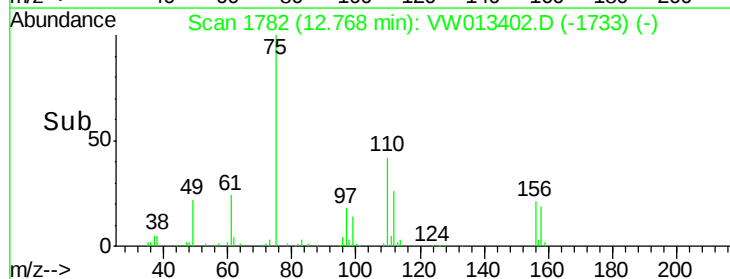
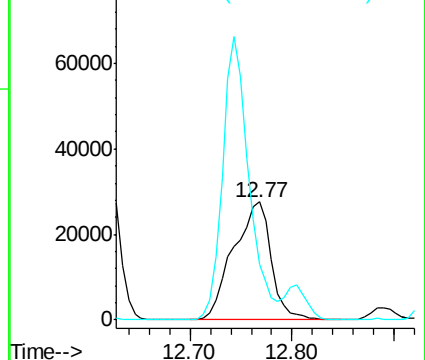
75 100

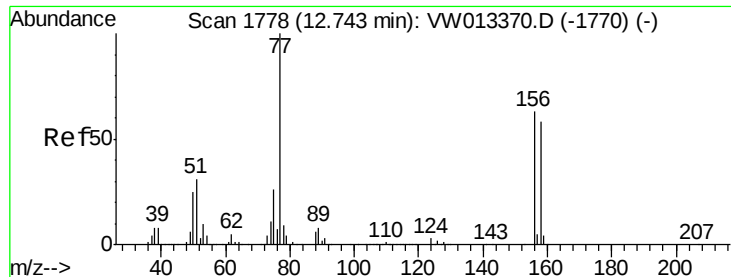
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.649 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

Instrument :

MSVOA_W

ClientSampleId :

VW1002SBSD02

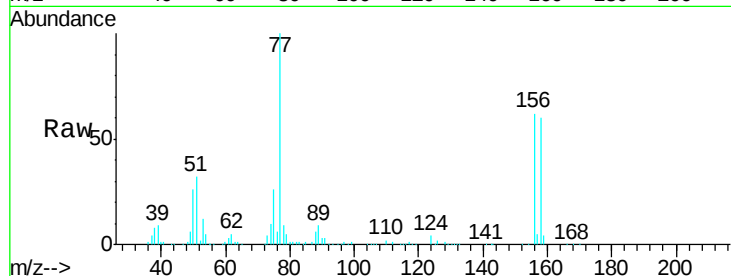
Tgt Ion:156 Resp: 67139

Ion Ratio Lower Upper

156 100

77 177.7 85.7 257.1

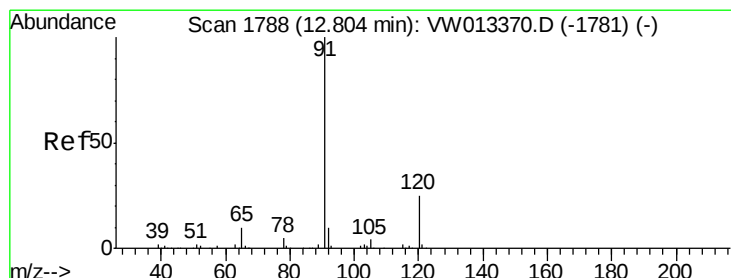
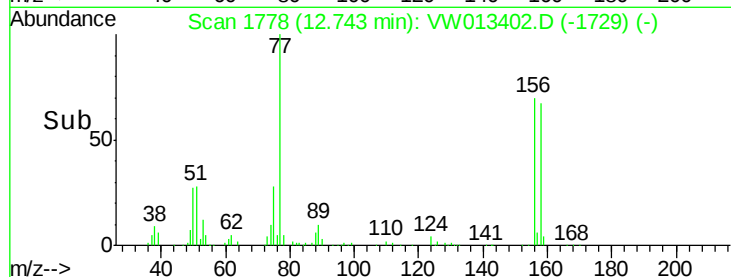
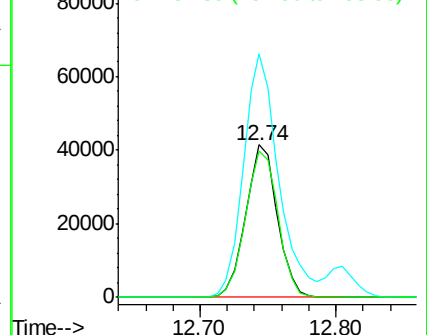
158 99.1 48.1 144.4



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: 21.761 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW013402.D

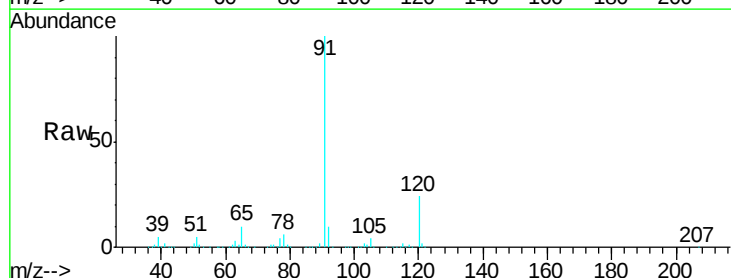
Acq: 03 Oct 2019 03:44

Tgt Ion: 91 Resp: 338961

Ion Ratio Lower Upper

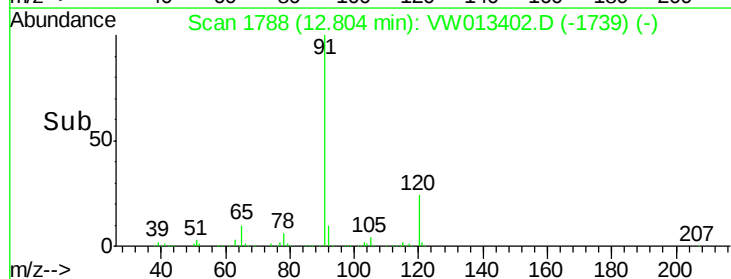
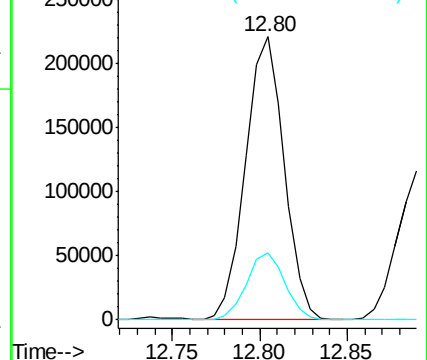
91 100

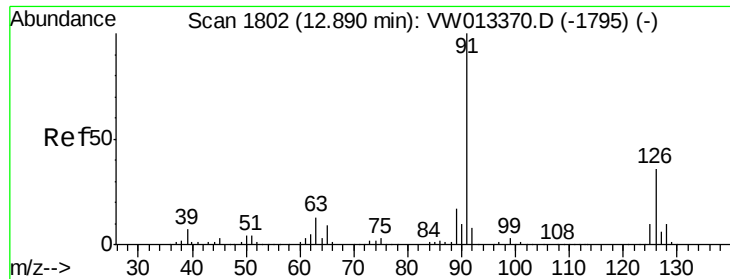
120 23.6 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

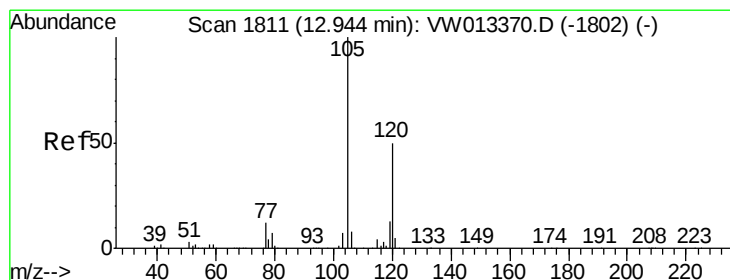
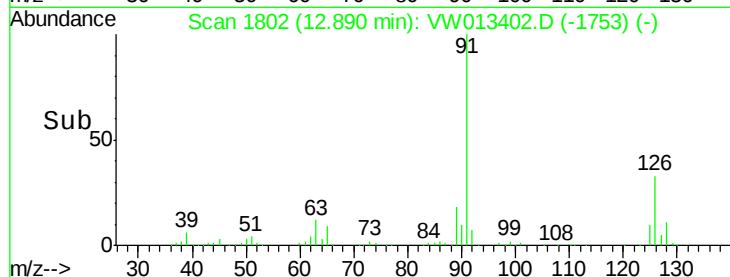
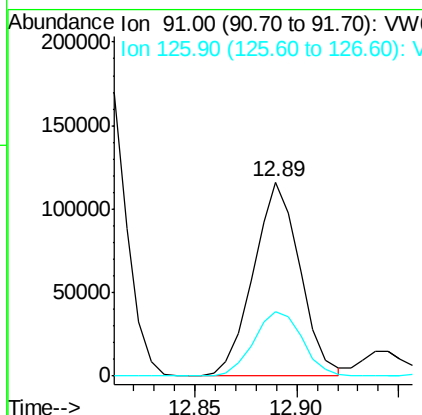
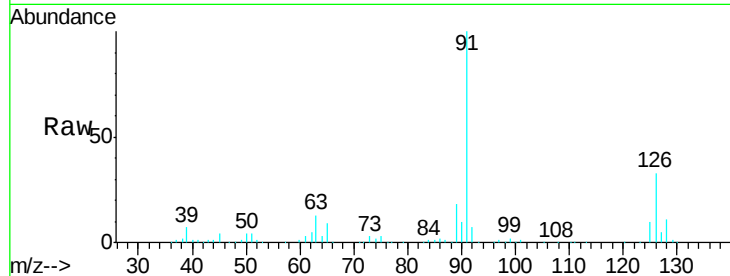




#79
2-Chlorotoluene
Concen: 21.206 ug/l
RT: 12.89 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VW013402.D
Acq: 03 Oct 2019 03:44

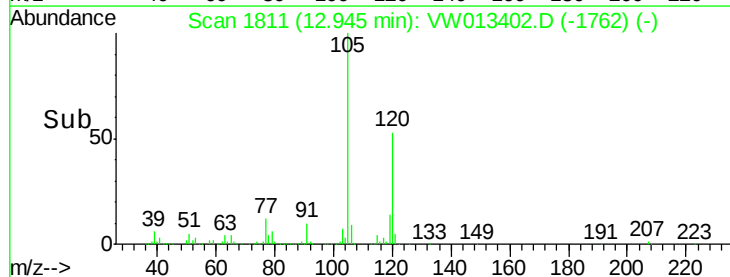
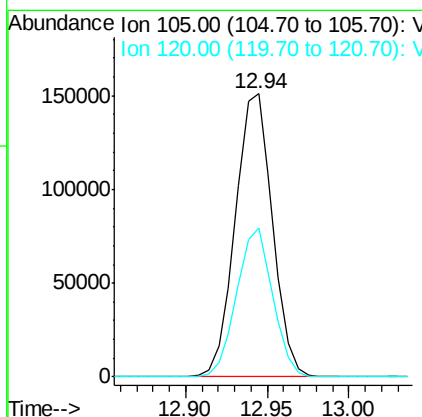
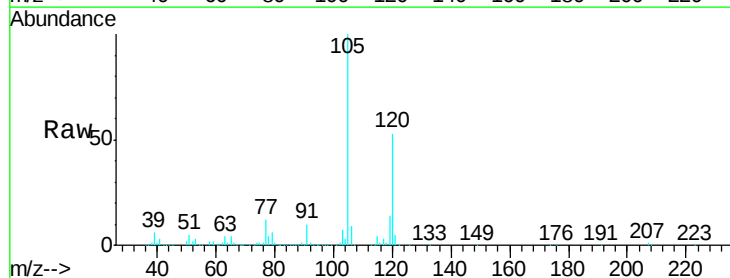
Instrument :
MSVOA_W
ClientSampleId :
VW1002SBSD02

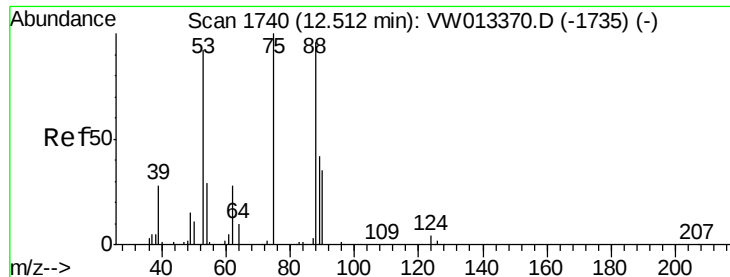
Tgt Ion: 91 Resp: 183460
Ion Ratio Lower Upper
91 100
126 35.1 17.2 51.5



#80
1,3,5-Trimethylbenzene
Concen: 21.209 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW013402.D
Acq: 03 Oct 2019 03:44

Tgt Ion: 105 Resp: 238574
Ion Ratio Lower Upper
105 100
120 51.4 24.9 74.8





#81

trans-1,4-Dichloro-2-butene

Concen: 23.042 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

Instrument :

MSVOA_W

ClientSampleId :

VW1002SBSD02

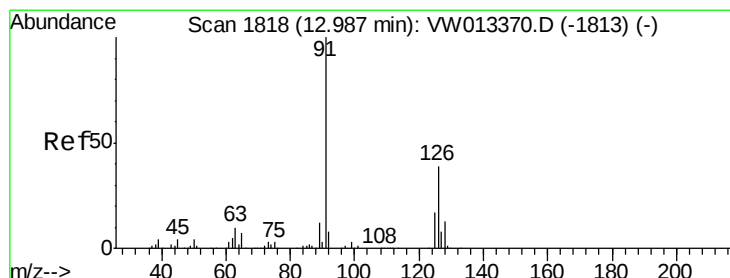
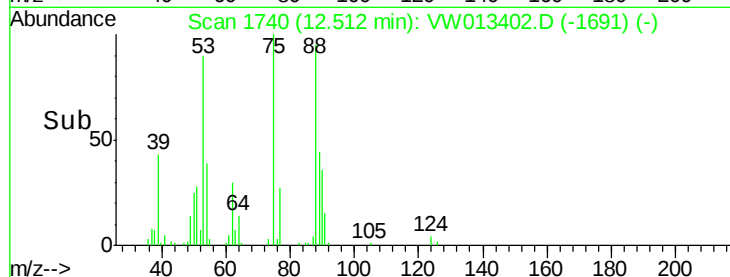
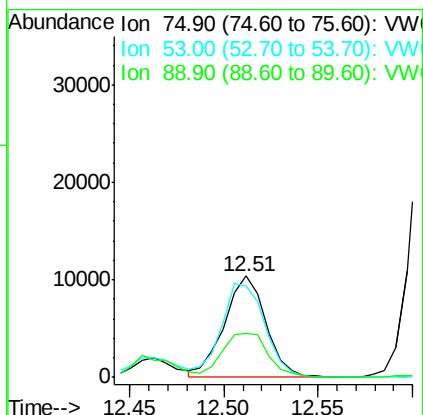
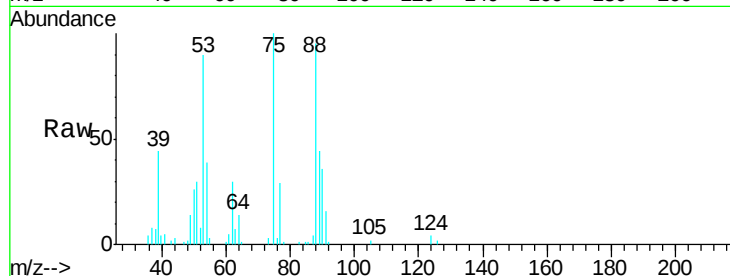
Tgt Ion: 75 Resp: 15915

Ion Ratio Lower Upper

75 100

53 97.4 76.6 114.8

89 47.6 33.5 50.3



#82

4-Chlorotoluene

Concen: 21.344 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW013402.D

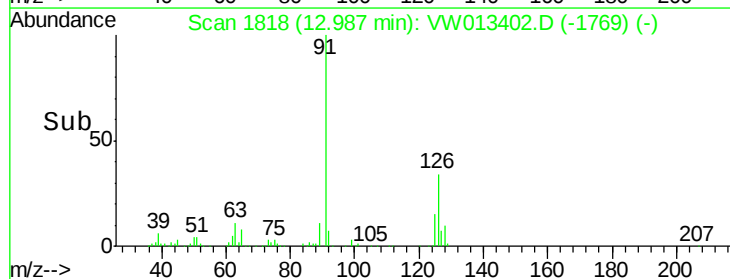
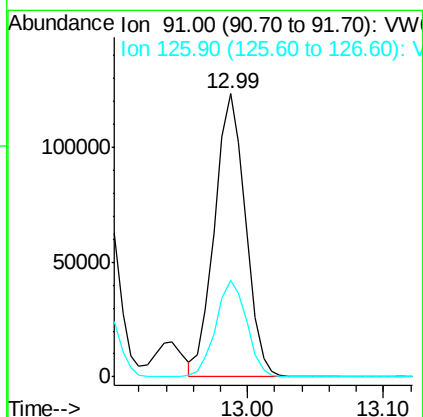
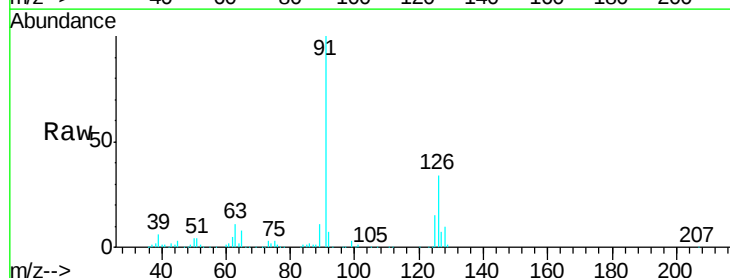
Acq: 03 Oct 2019 03:44

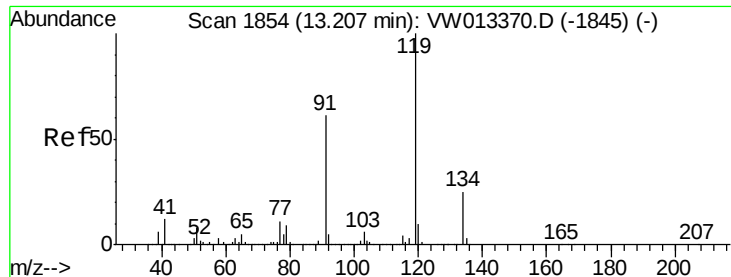
Tgt Ion: 91 Resp: 193435

Ion Ratio Lower Upper

91 100

126 34.2 17.3 51.7

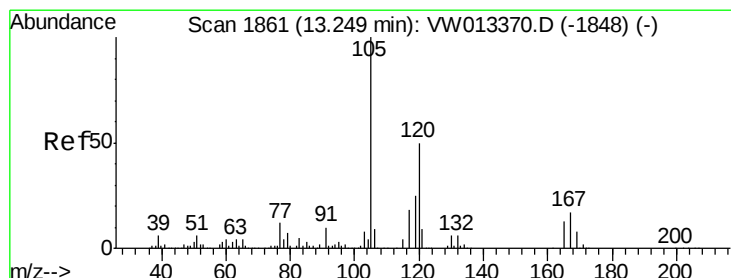
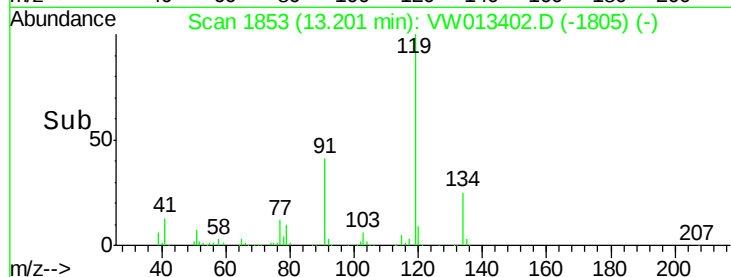
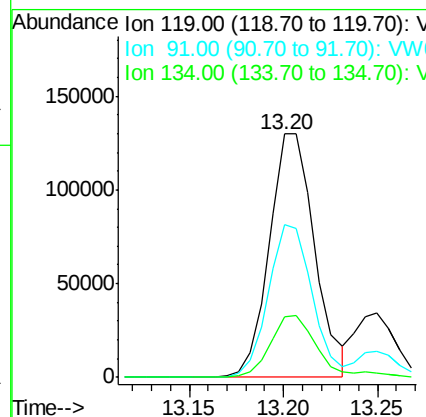
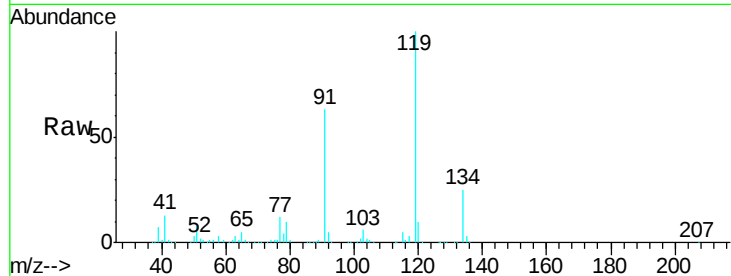




#83
tert-Butylbenzene
Concen: 22.067 ug/l
RT: 13.20 min Scan# 1853
Delta R.T. -0.01 min
Lab File: VW013402.D
Acq: 03 Oct 2019 03:44

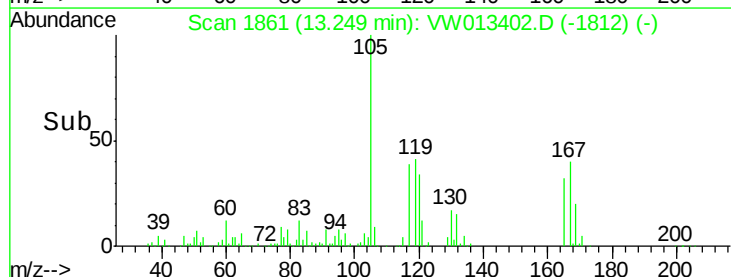
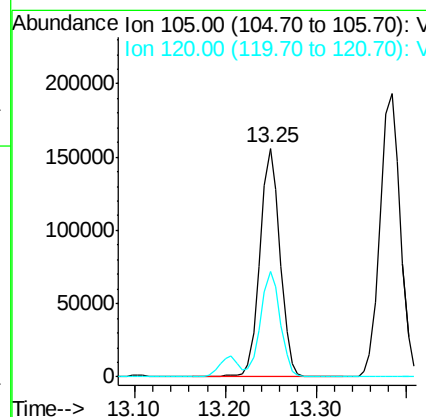
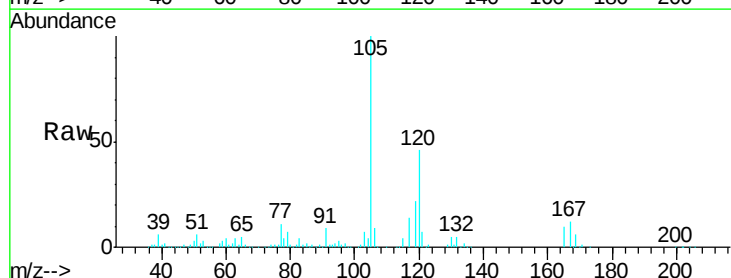
Instrument :
MSVOA_W
ClientSampleId :
VW1002SBSD02

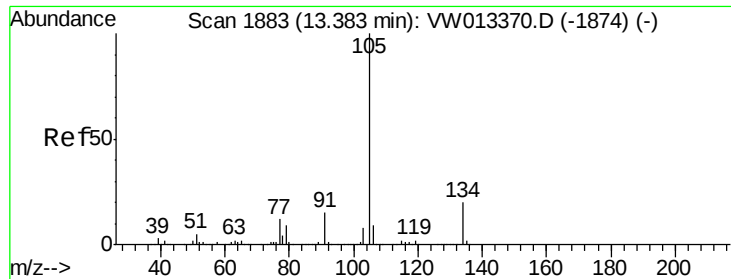
Tgt Ion:119 Resp: 216813
Ion Ratio Lower Upper
119 100
91 60.5 30.7 92.1
134 26.6 12.6 37.6



#84
1,2,4-Trimethylbenzene
Concen: 21.428 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW013402.D
Acq: 03 Oct 2019 03:44

Tgt Ion:105 Resp: 239614
Ion Ratio Lower Upper
105 100
120 45.8 23.4 70.3





#85

sec-Butylbenzene

Concen: 22.115 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

Instrument :

MSVOA_W

ClientSampleId :

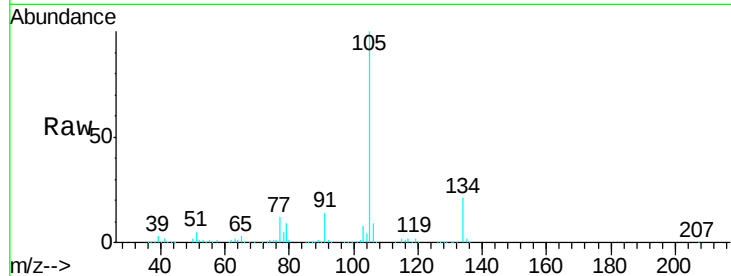
VW1002SBSD02

Tgt Ion:105 Resp: 299582

Ion Ratio Lower Upper

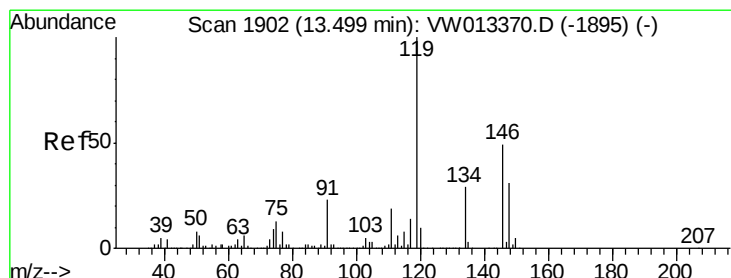
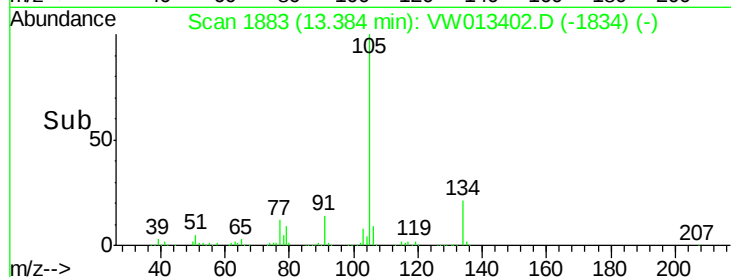
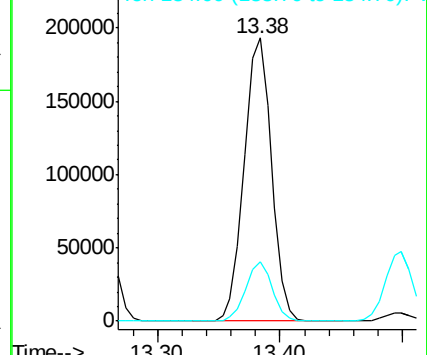
105 100

134 20.4 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.711 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. -0.01 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

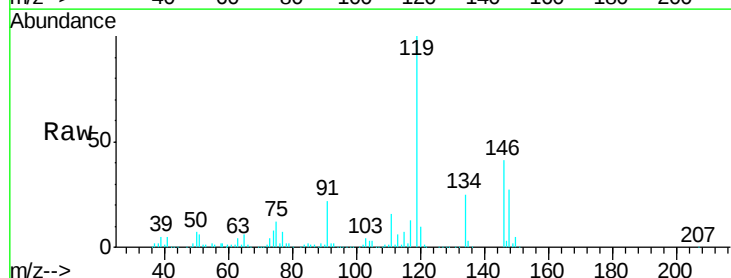
Tgt Ion:119 Resp: 272560

Ion Ratio Lower Upper

119 100

134 27.0 13.3 39.8

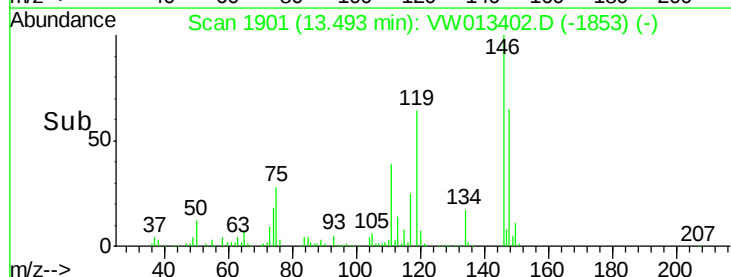
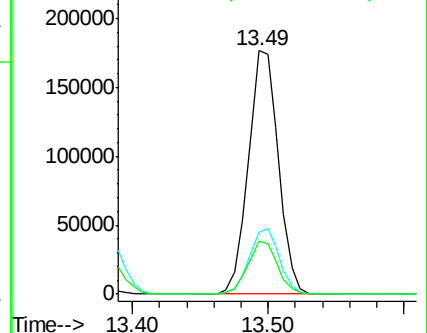
91 21.6 10.8 32.4

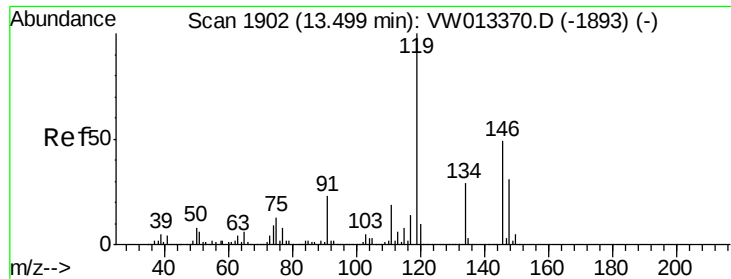


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

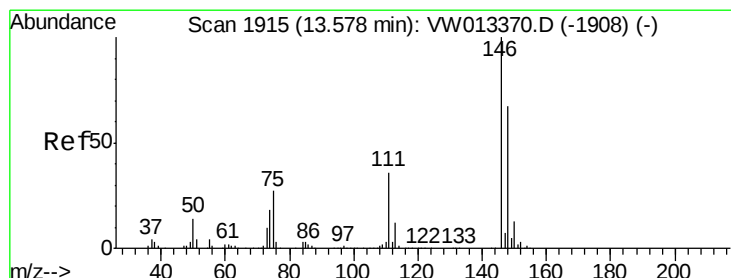
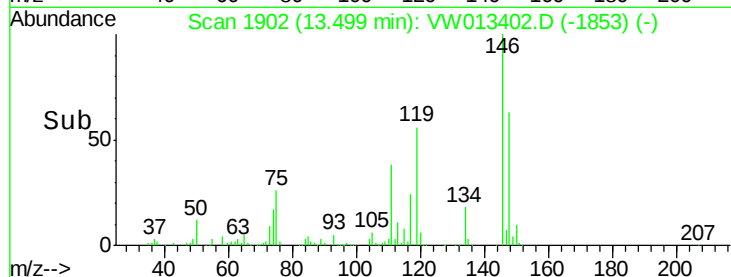
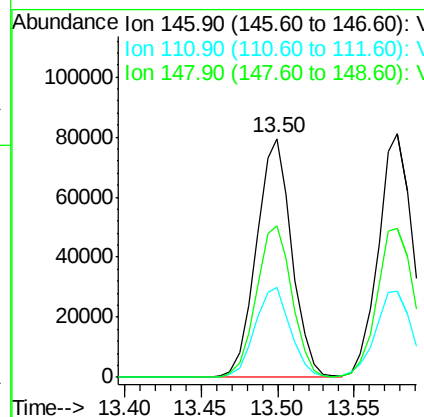
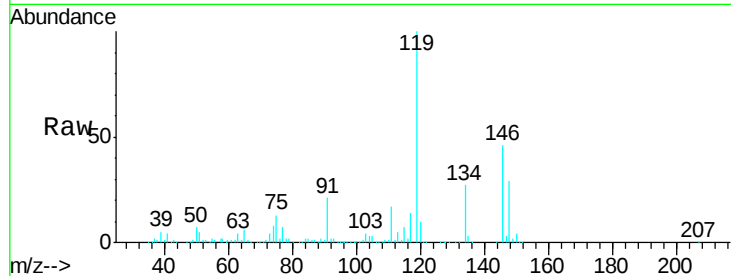




#87
 1,3-Dichlorobenzene
 Concen: 20.828 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013402.D
 Acq: 03 Oct 2019 03:44

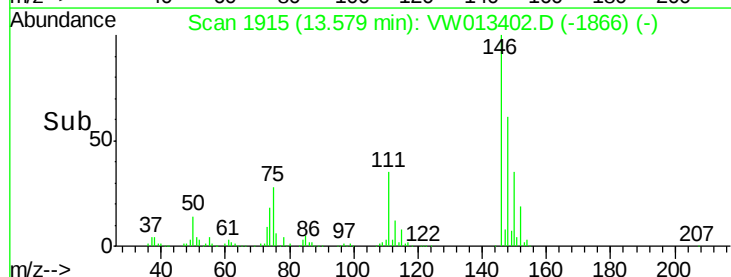
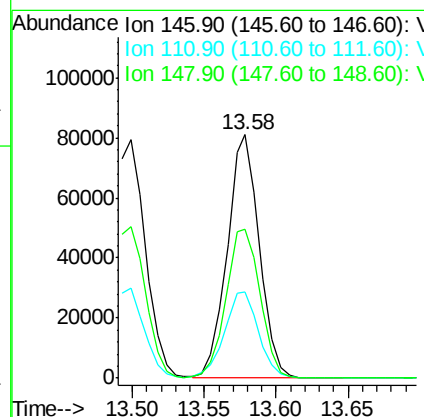
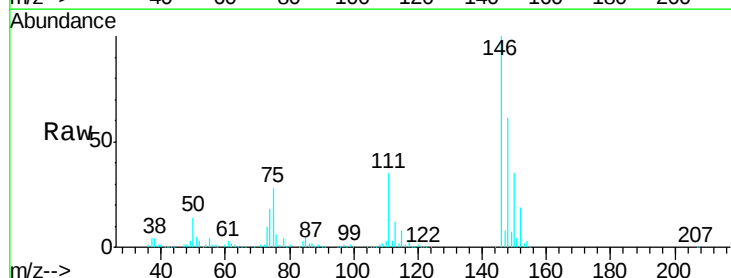
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1002SBSD02

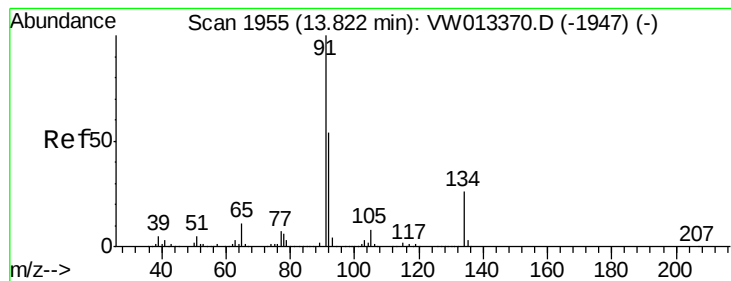
Tgt Ion:146 Resp: 127412
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.9 56.9
 148 64.1 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 20.634 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013402.D
 Acq: 03 Oct 2019 03:44

Tgt Ion:146 Resp: 126380
 Ion Ratio Lower Upper
 146 100
 111 38.0 18.4 55.0
 148 65.2 32.1 96.3





#89

n-Butylbenzene

Concen: 21.035 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

Instrument :

MSVOA_W

ClientSampleId :

VW1002SBSD02

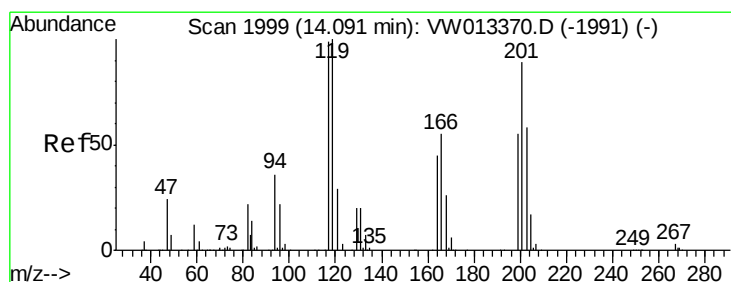
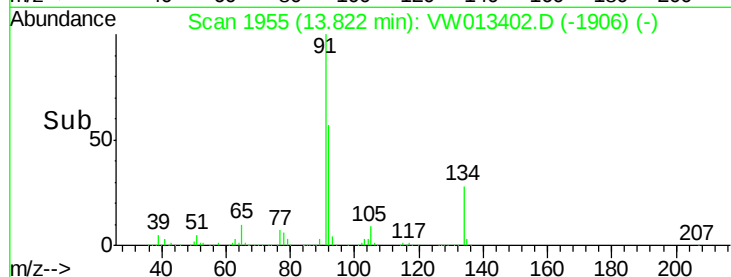
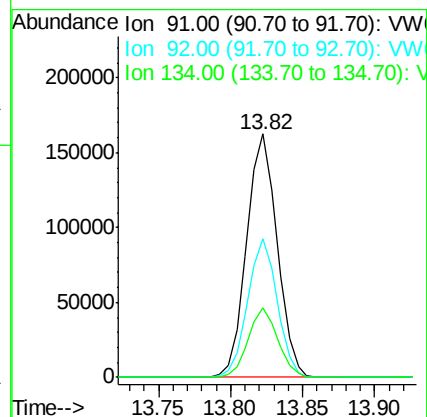
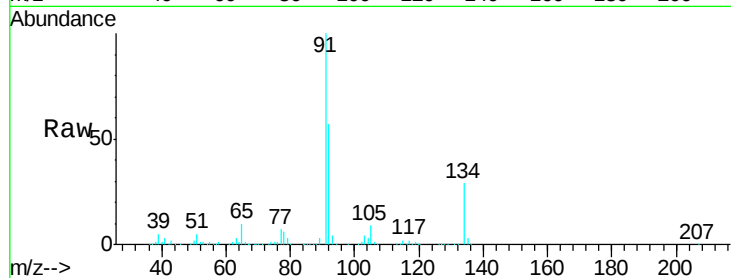
Tgt Ion: 91 Resp: 238075

Ion Ratio Lower Upper

91 100

92 55.1 27.6 82.8

134 27.7 13.7 41.1



#90

Hexachloroethane

Concen: 21.293 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW013402.D

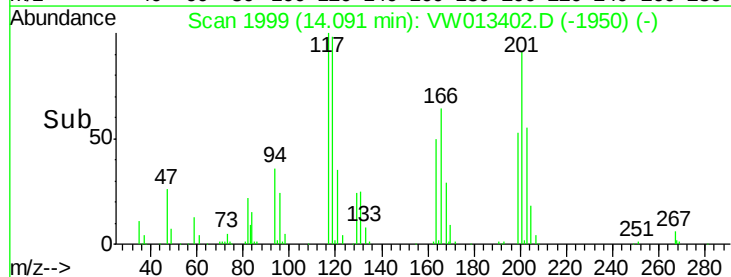
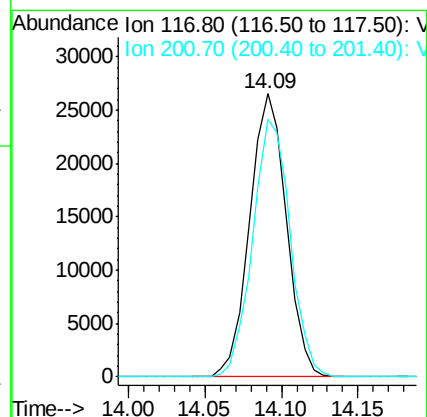
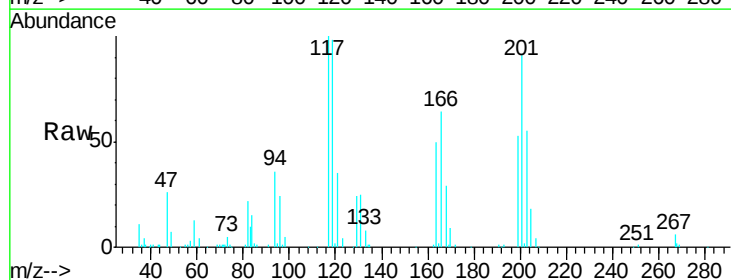
Acq: 03 Oct 2019 03:44

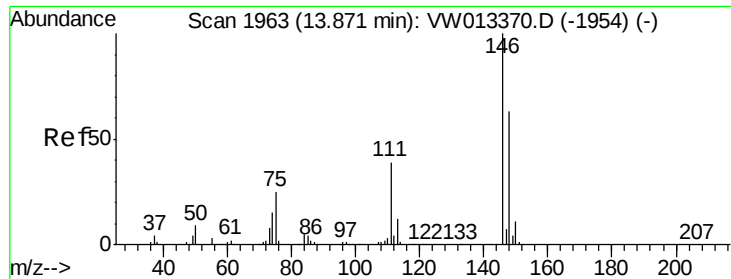
Tgt Ion: 117 Resp: 44164

Ion Ratio Lower Upper

117 100

201 93.1 44.5 133.5

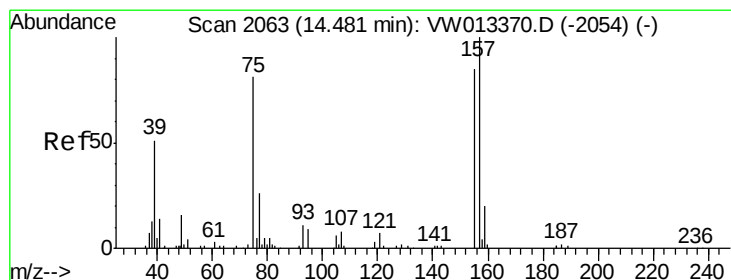
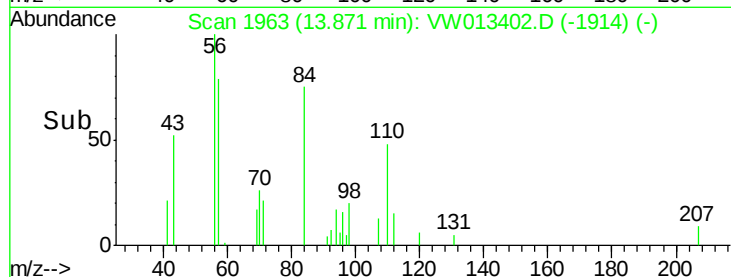
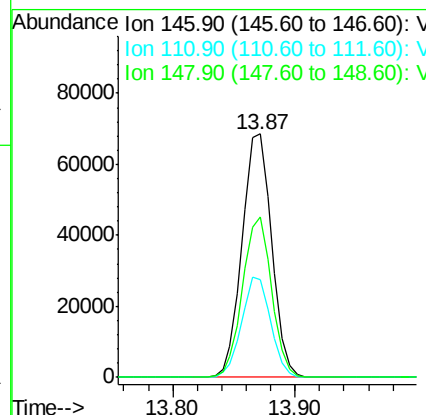
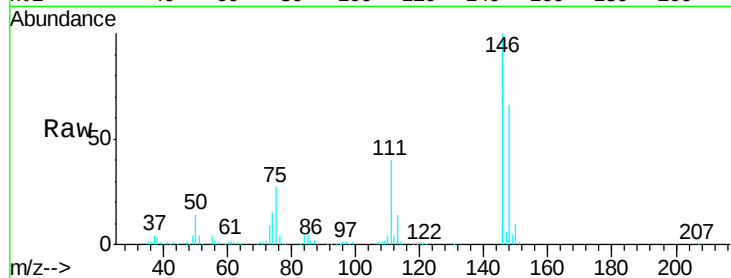




#91
 1,2-Dichlorobenzene
 Concen: 21.278 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW013402.D
 Acq: 03 Oct 2019 03:44

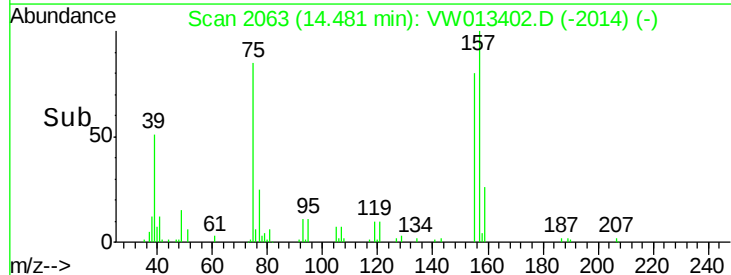
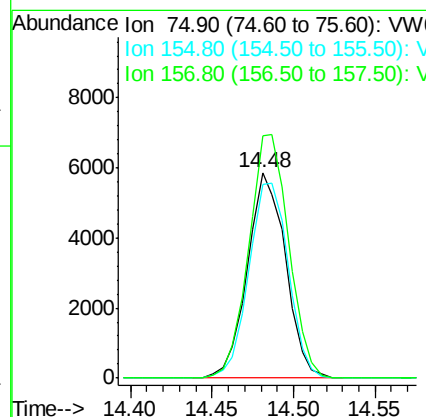
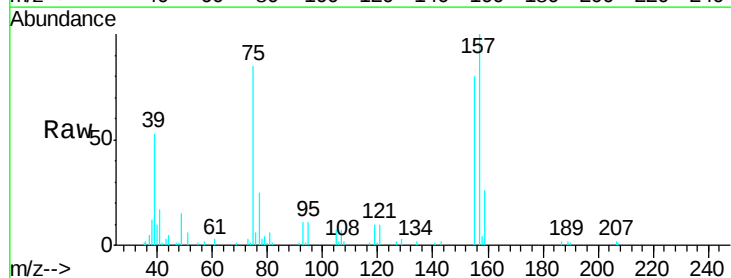
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1002SBSD02

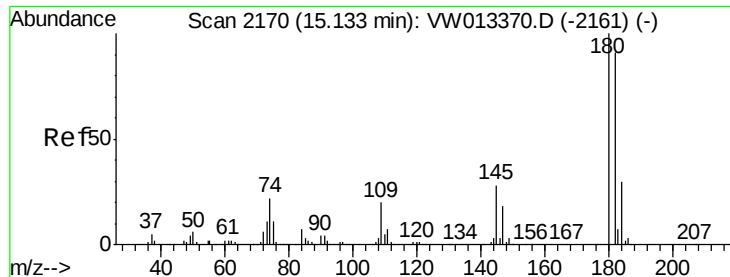
Tgt Ion: 146 Resp: 115064
 Ion Ratio Lower Upper
 146 100
 111 40.3 20.1 60.3
 148 64.6 32.0 96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 27.884 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW013402.D
 Acq: 03 Oct 2019 03:44

Tgt Ion: 75 Resp: 9559
 Ion Ratio Lower Upper
 75 100
 155 98.6 46.1 138.3
 157 124.1 60.4 181.2

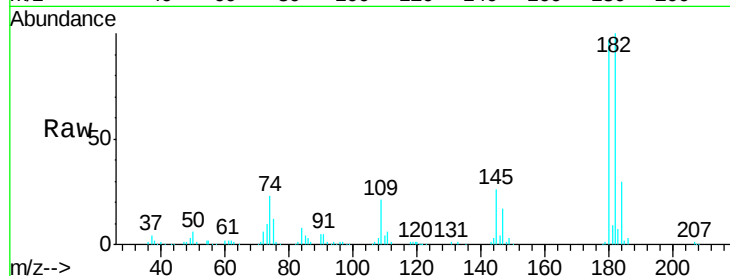




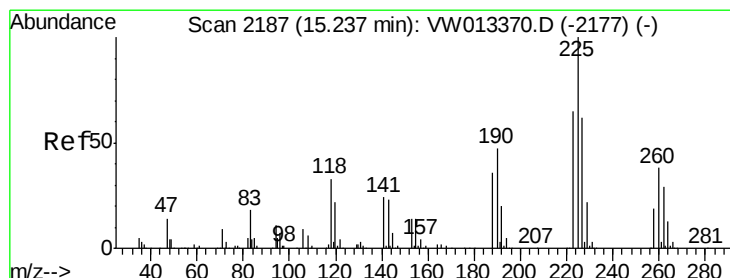
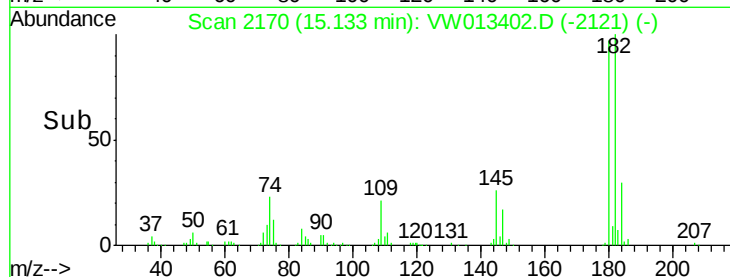
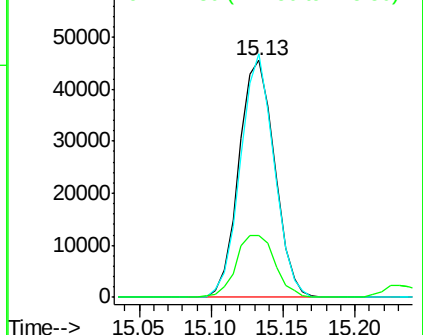
#93
 1,2,4-Trichlorobenzene
 Concen: 20.147 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013402.D
 Acq: 03 Oct 2019 03:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1002SBSD02

Tgt Ion:180 Resp: 78187
 Ion Ratio Lower Upper
 180 100
 182 96.9 47.3 142.0
 145 28.5 14.2 42.8

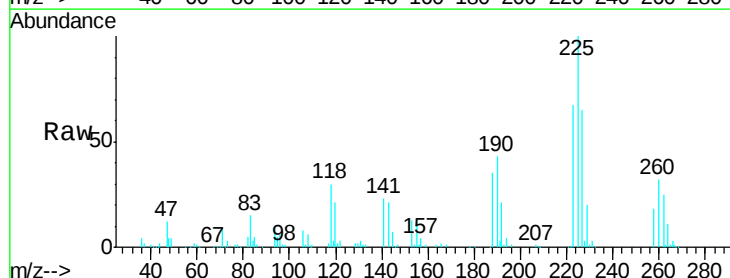


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

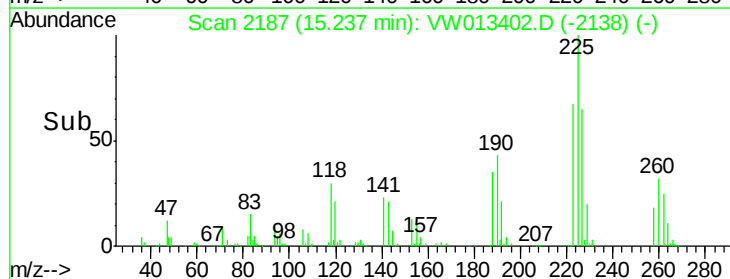
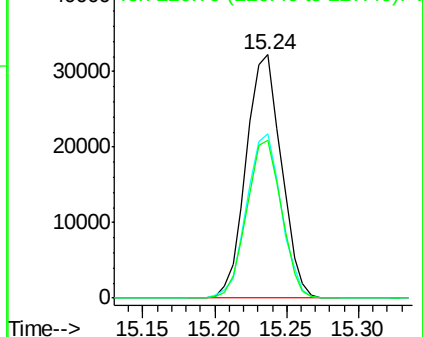


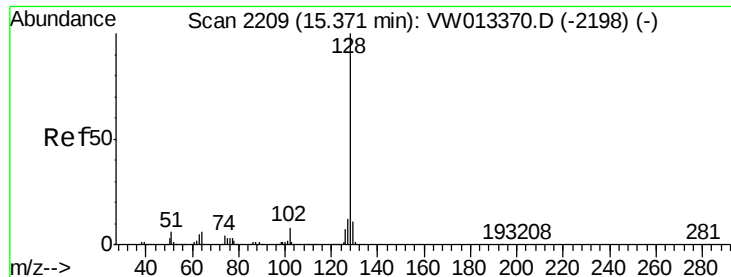
#94
 Hexachlorobutadiene
 Concen: 21.599 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW013402.D
 Acq: 03 Oct 2019 03:44

Tgt Ion:225 Resp: 54451
 Ion Ratio Lower Upper
 225 100
 223 66.1 30.6 91.8
 227 63.9 31.9 95.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

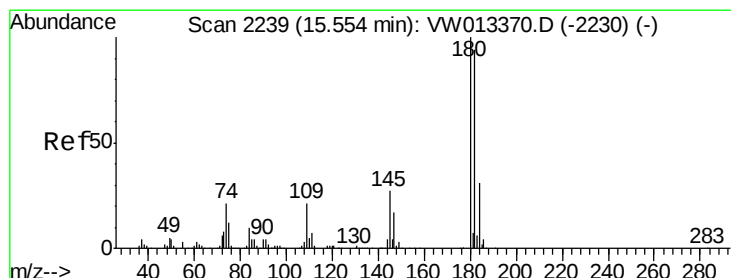
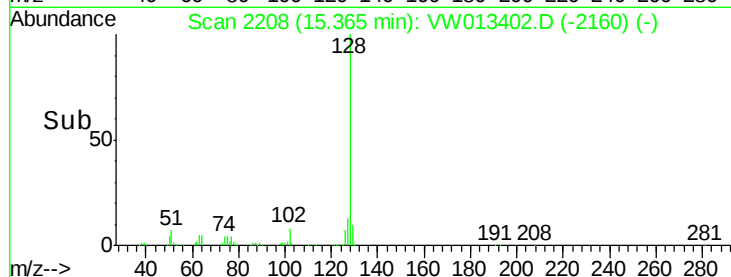
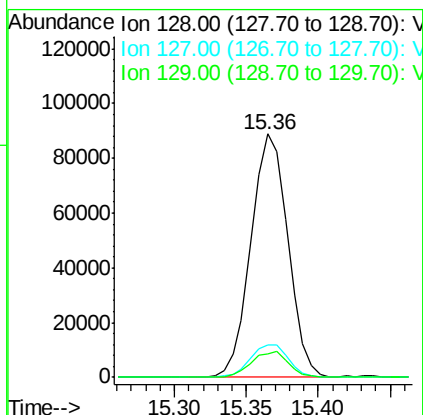
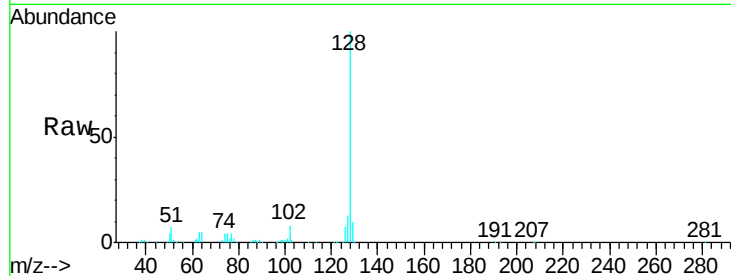




#95
Naphthalene
Concen: 24.076 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW013402.D
Acq: 03 Oct 2019 03:44

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBSD02

Tgt Ion:128 Resp: 157613
Ion Ratio Lower Upper
128 100
127 14.0 10.6 15.8
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 21.006 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW013402.D
Acq: 03 Oct 2019 03:44

Tgt Ion:180 Resp: 71176
Ion Ratio Lower Upper
180 100
182 95.7 47.9 143.7
145 29.7 15.0 45.0

