

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071819\
 Data File : VW011333.D
 Acq On : 18 Jul 2019 14:55
 Operator : SY/VA
 Sample : VW0718SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0718SBS01

Quant Time: Jul 19 06:44:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	190791	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	319748	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	287441	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	142566	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	119071	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	
35) Dibromofluoromethane	7.88	113	95574	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	
50) Toluene-d8	10.32	98	383400	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
62) 4-Bromofluorobenzene	12.62	95	142108	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	29302	20.593	ug/l	100
3) Chloromethane	2.21	50	39518	21.553	ug/l	98
4) Vinyl Chloride	2.35	62	47738	19.892	ug/l	99
5) Bromomethane	2.76	94	24713	20.493	ug/l	96
6) Chloroethane	2.91	64	26174	20.249	ug/l	98
7) Trichlorofluoromethane	3.24	101	15359	18.016	ug/l	99
8) Diethyl Ether	3.67	74	24331	20.626	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.05	101	40474	19.820	ug/l	98
10) Methyl Iodide	4.27	142	56956	20.279	ug/l	99
11) Tert butyl alcohol	5.16	59	19853	111.852	ug/l	95
12) 1,1-Dichloroethene	4.03	96	42379	19.995	ug/l	95
13) Acrolein	3.88	56	12065	85.364	ug/l	98
14) Allyl chloride	4.65	41	81268	21.027	ug/l	99
15) Acrylonitrile	5.36	53	62149	103.450	ug/l	98
16) Acetone	4.12	43	62491	108.335	ug/l	100
17) Carbon Disulfide	4.38	76	119794	18.643	ug/l	98
18) Methyl Acetate	4.67	43	41631	24.663	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	67043	20.847	ug/l	98
20) Methylene Chloride	4.91	84	55317	24.309	ug/l	98
21) trans-1,2-Dichloroethene	5.41	96	45533	20.675	ug/l	95
22) Diisopropyl ether	6.30	45	176384	21.218	ug/l	95
23) Vinyl Acetate	6.24	43	509774	99.089	ug/l	100
24) 1,1-Dichloroethane	6.21	63	92646	21.224	ug/l	99
25) 2-Butanone	7.16	43	94361	104.212	ug/l	100
26) 2,2-Dichloropropane	7.16	77	48735	21.478	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	49696	20.918	ug/l	96
28) Bromochloromethane	7.51	49	41292	20.804	ug/l	99
29) Tetrahydrofuran	7.52	42	59362	99.982	ug/l	100
30) Chloroform	7.66	83	85139	21.060	ug/l	99
31) Cyclohexane	7.95	56	89808	19.339	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	62295	20.257	ug/l	99
36) 1,1-Dichloropropene	8.08	75	67901	19.941	ug/l	99
37) Ethyl Acetate	7.24	43	42765	20.904	ug/l	99
38) Carbon Tetrachloride	8.06	117	55992	19.398	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	78733	19.077	ug/l	98
40) Benzene	8.32	78	196612	20.894	ug/l	98
41) Methacrylonitrile	7.48	41	22923	19.591	ug/l	99
42) 1,2-Dichloroethane	8.40	62	64359	21.083	ug/l	99
43) Isopropyl Acetate	8.42	43	77024	19.942	ug/l	98
44) Trichloroethene	9.09	130	45918	20.278	ug/l	99
45) 1,2-Dichloropropane	9.37	63	53657	21.057	ug/l	97
46) Dibromomethane	9.46	93	24759	20.684	ug/l	99
47) Bromodichloromethane	9.64	83	61864	20.198	ug/l	98
48) Methyl methacrylate	9.43	41	36315	19.543	ug/l	98
49) 1,4-Dioxane	9.44	88	8199	410.348	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	202775	100.500	ug/l	99
52) Toluene	10.38	92	119516	20.937	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	63098	19.354	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	75888	19.776	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	35676	21.008	ug/l	97
56) Ethyl methacrylate	10.65	69	50335	19.469	ug/l	98
57) 1,3-Dichloropropane	10.93	76	66580	20.733	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	96463	80.479	ug/l	100
59) 2-Hexanone	10.97	43	137447	98.229	ug/l	99
60) Dibromochloromethane	11.13	129	37484	20.129	ug/l	97
61) 1,2-Dibromoethane	11.23	107	32836	20.413	ug/l	99
64) Tetrachloroethene	10.86	164	39519	20.375	ug/l	97
65) Chlorobenzene	11.66	112	119961	20.527	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	41761	20.295	ug/l	98
67) Ethyl Benzene	11.73	91	226200	20.219	ug/l	98
68) m/p-Xylenes	11.84	106	164602	40.661	ug/l	99
69) o-Xylene	12.16	106	78007	20.445	ug/l	100
70) Styrene	12.18	104	134222	20.384	ug/l	99
71) Bromoform	12.35	173	20467	18.708	ug/l #	99
73) Isopropylbenzene	12.46	105	211563	19.851	ug/l	100
74) N-amyl acetate	12.27	43	70835	19.084	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	42570	19.486	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	55138	33.467	ug/l #	100
77) Bromobenzene	12.75	156	48899	20.445	ug/l	98
78) n-propylbenzene	12.80	91	260470	19.840	ug/l	100
79) 2-Chlorotoluene	12.89	91	152943	20.245	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	181242	20.018	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	11701	16.064	ug/l	93
82) 4-Chlorotoluene	12.99	91	159671	20.292	ug/l	100
83) tert-Butylbenzene	13.21	119	149697	19.825	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	184238	20.265	ug/l	100
85) sec-Butylbenzene	13.38	105	216743	19.893	ug/l	99
86) p-Isopropyltoluene	13.50	119	194162	19.868	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	95146	20.677	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	95769	20.668	ug/l	99
89) n-Butylbenzene	13.82	91	194477	19.949	ug/l	100
90) Hexachloroethane	14.10	117	33301	18.648	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	85654	20.518	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7326	18.906	ug/l	95

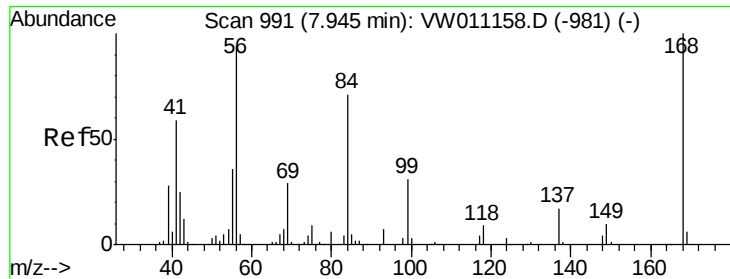
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071819\
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Operator : SY/VA
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Quant Title : SW846 8260
QLast Update : Thu Jul 11 08:14:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	58524	20.353	ug/l	100
94) Hexachlorobutadiene	15.24	225	35819	20.290	ug/l	99
95) Naphthalene	15.37	128	104383	18.944	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	52259	20.593	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011333.D

Acq: 18 Jul 2019 14:55

Instrument :

MSVOA_W

ClientSampleId :

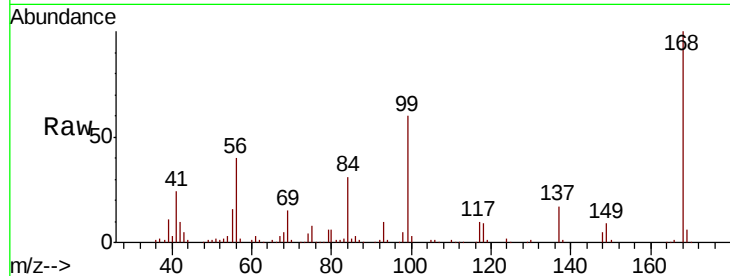
VW0718SBSD01

Tot Ion:168 Resp: 190791

Ion Ratio Lower Upper

168 100

99 59.6 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): VW011158.D (-981) (-)

Ion 98.90 (98.60 to 99.60): VW011158.D (-981) (-)

7.95

80000

60000

40000

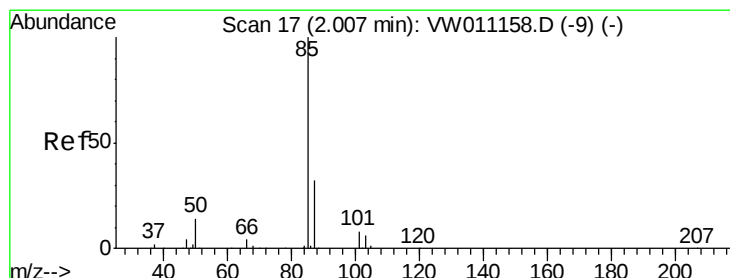
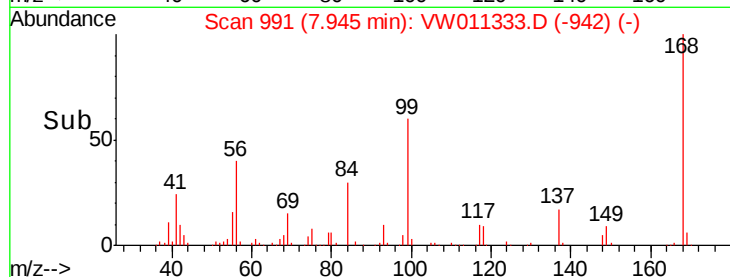
20000

0

Time-->

7.90

8.00



#2

Dichlorodifluoromethane

Concen: 20.593 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011333.D

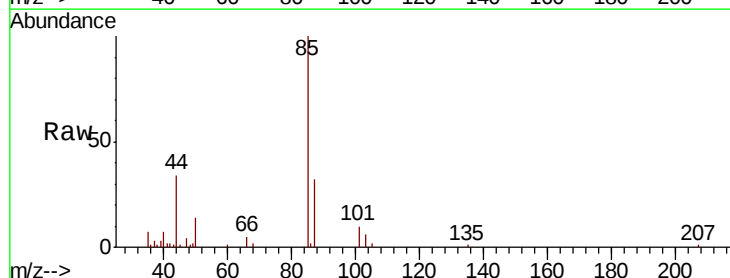
Acq: 18 Jul 2019 14:55

Tgt Ion: 85 Resp: 29302

Ion Ratio Lower Upper

85 100

87 31.7 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VW011158.D (-9) (-)

Ion 86.90 (86.60 to 87.60): VW011158.D (-9) (-)

2.01

10000

8000

6000

4000

2000

0

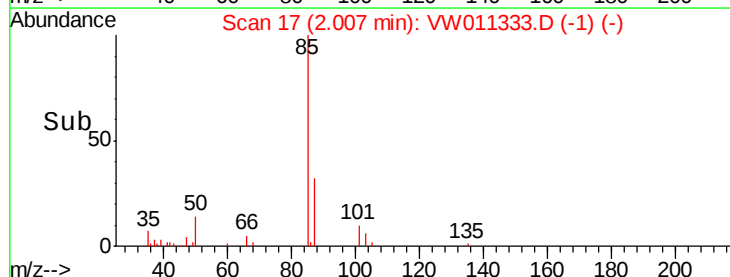
Time-->

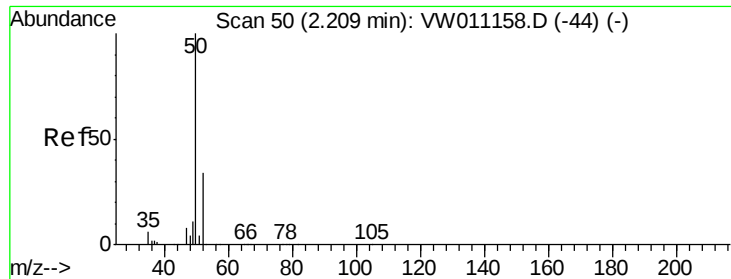
1.90

2.00

2.10

2.20





#3

Chloromethane

Concen: 21.553 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011333.D

Acq: 18 Jul 2019 14:55

Instrument :

MSVOA_W

ClientSampleId :

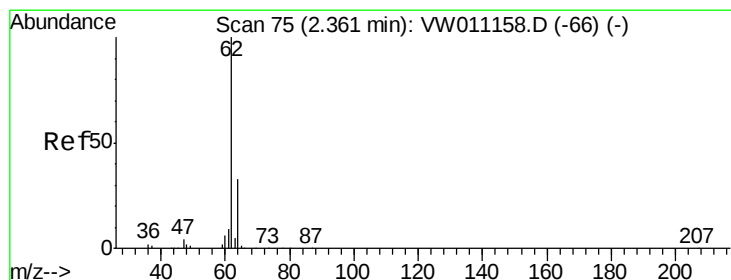
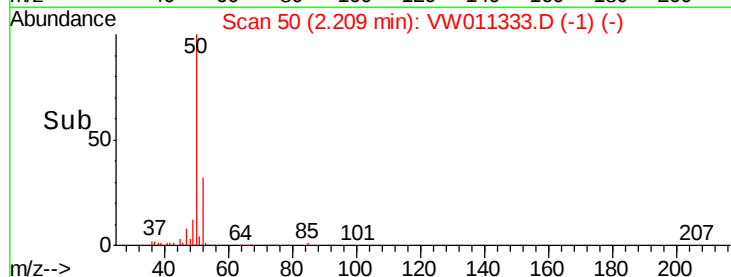
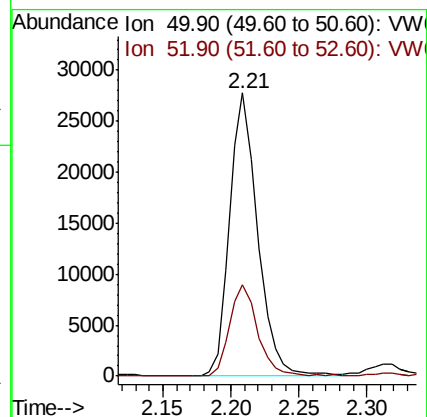
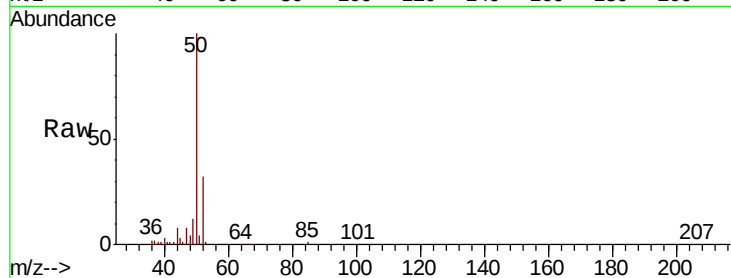
VW0718SBSD01

Tot Ion: 50 Resp: 39518

Ion Ratio Lower Upper

50 100

52 32.2 26.9 40.3



#4

Vinyl Chloride

Concen: 19.892 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011333.D

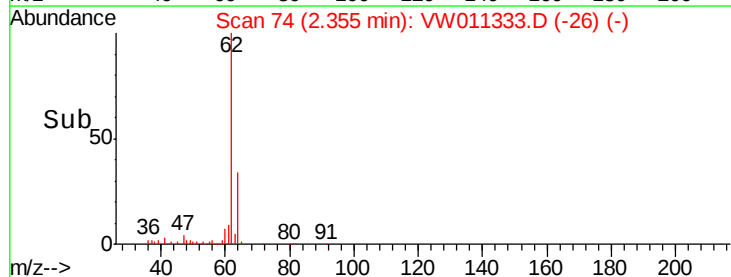
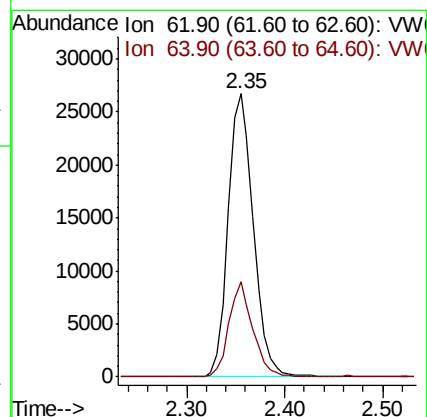
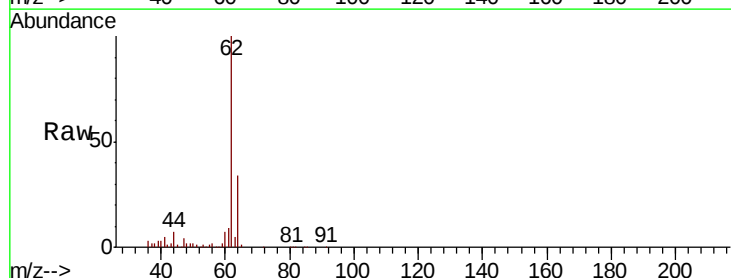
Acq: 18 Jul 2019 14:55

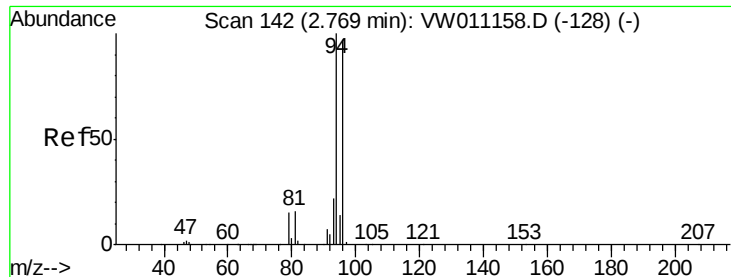
Tgt Ion: 62 Resp: 47738

Ion Ratio Lower Upper

62 100

64 33.6 26.6 40.0





#5

Bromomethane

Concen: 20.493 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW011333.D

Acq: 18 Jul 2019 14:55

Instrument :

MSVOA_W

ClientSampleId :

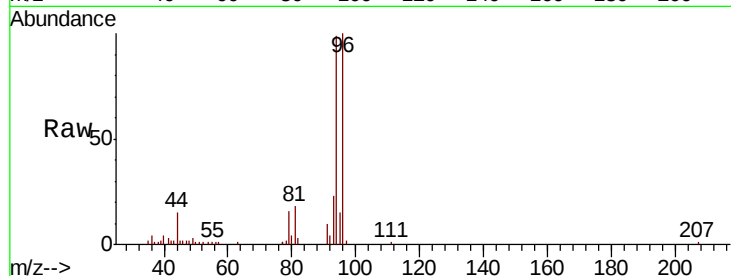
VW0718SBSD01

Tot Ion: 94 Resp: 24713

Ion Ratio Lower Upper

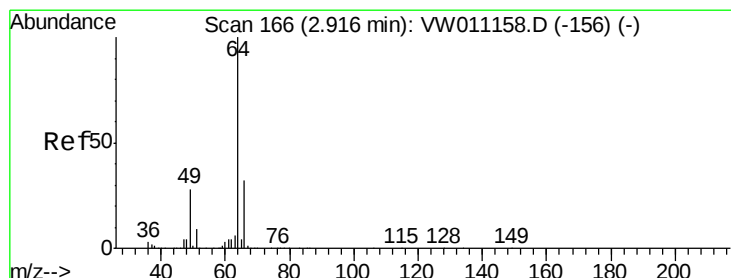
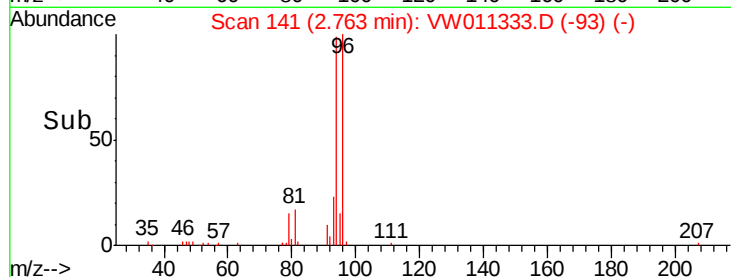
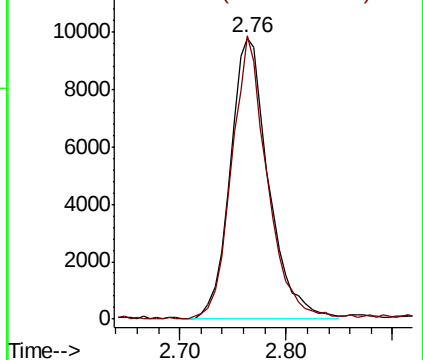
94 100

96 100.8 77.4 116.0



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 20.249 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW011333.D

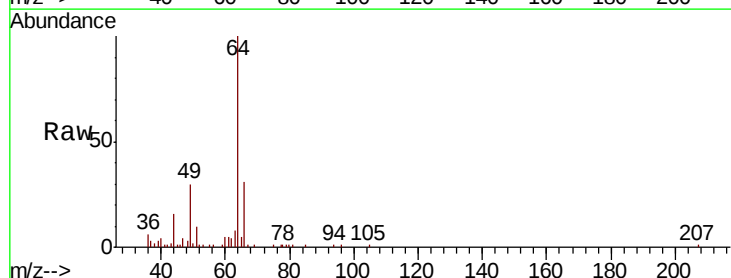
Acq: 18 Jul 2019 14:55

Tgt Ion: 64 Resp: 26174

Ion Ratio Lower Upper

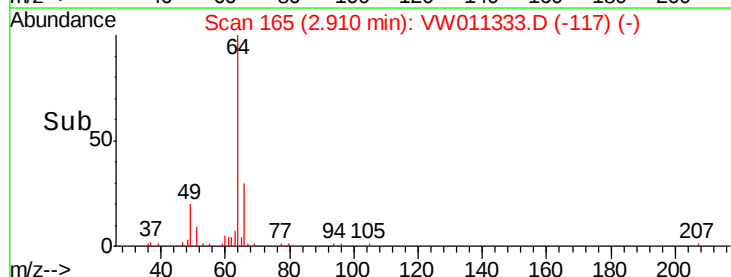
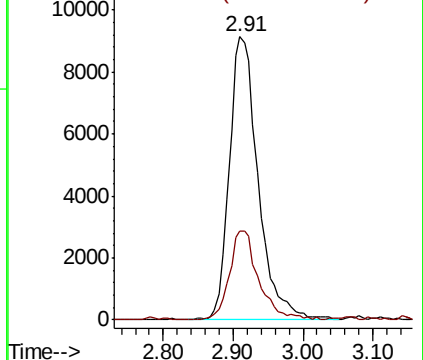
64 100

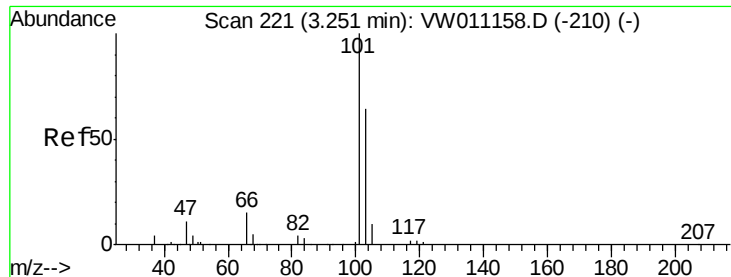
66 31.3 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



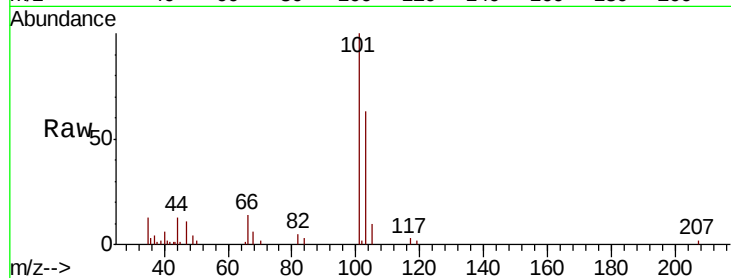


#7

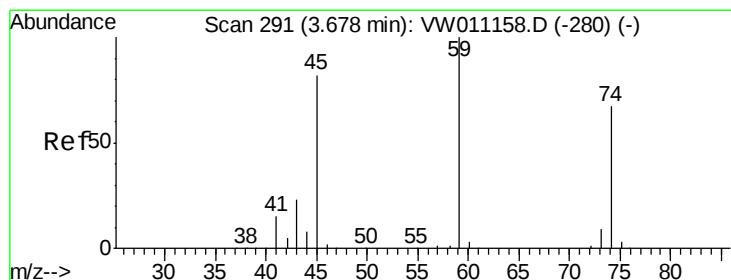
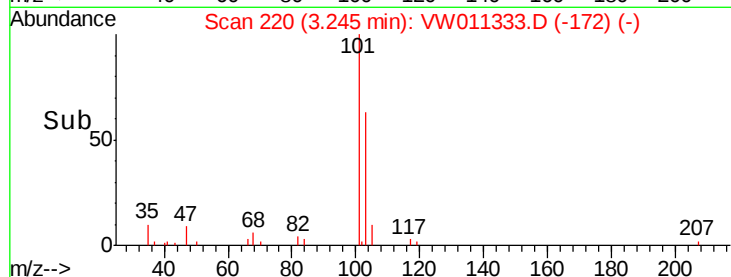
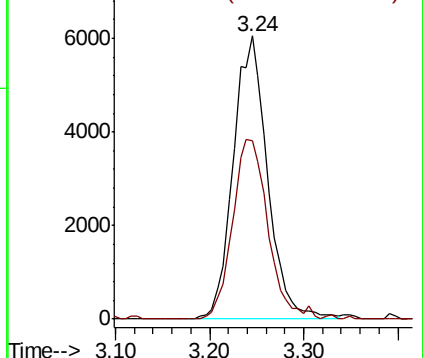
Trichlorofluoromethane
Concen: 18.016 ug/l
RT: 3.24 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW011333.D
Acq: 18 Jul 2019 14:55

Instrument :
MSVOA_W
ClientSampleId :
VW0718SBS01

Tot Ion:101 Resp: 15359
Ion Ratio Lower Upper
101 100
103 63.0 51.3 76.9



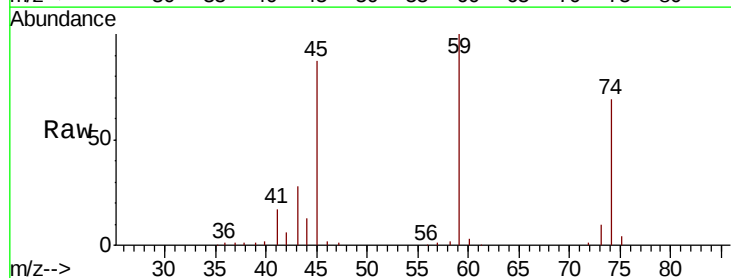
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



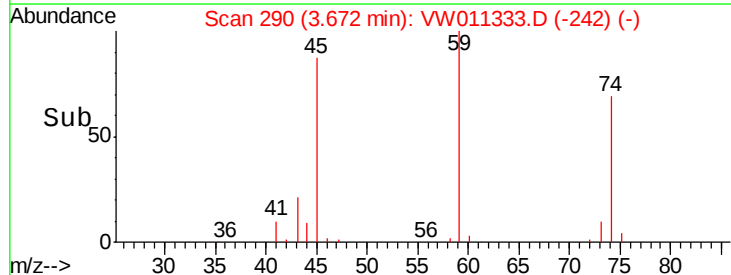
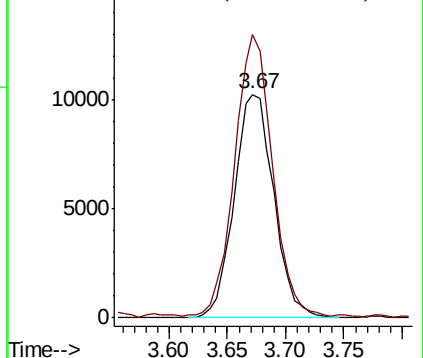
#8

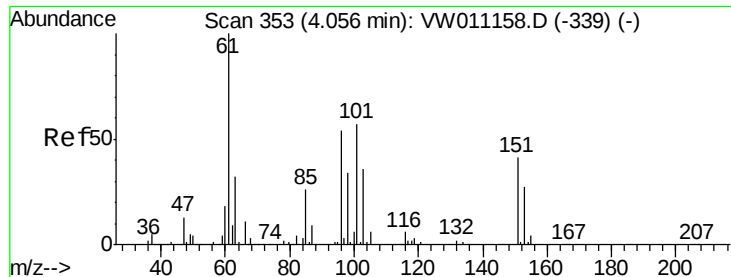
Diethyl Ether
Concen: 20.626 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW011333.D
Acq: 18 Jul 2019 14:55

Tgt Ion: 74 Resp: 24331
Ion Ratio Lower Upper
74 100
45 123.1 59.9 179.7



Abundance Ion 74.00 (73.70 to 74.70): VW
Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.820 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW011333.D

Acq: 18 Jul 2019 14:55

Instrument :

MSVOA_W

ClientSampleId :

VW0718SBS01

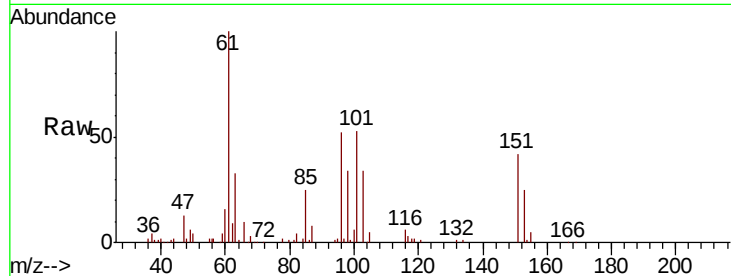
Tot Ion:101 Resp: 40474

Ion Ratio Lower Upper

101 100

85 44.3 36.5 54.7

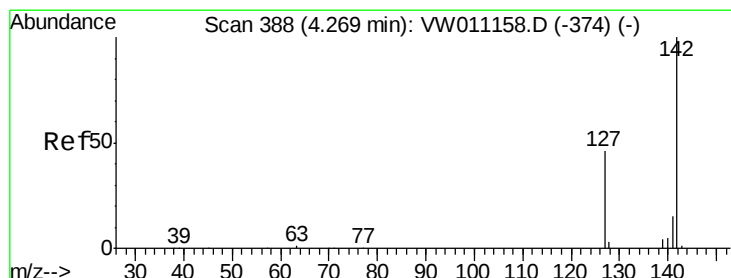
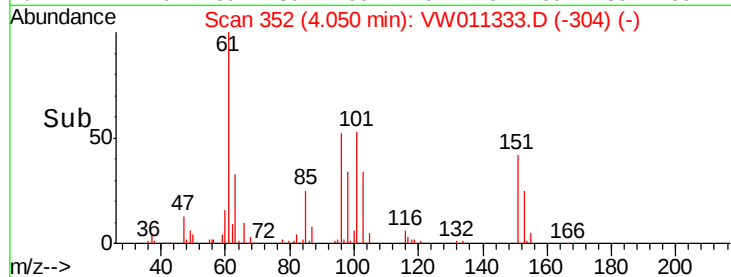
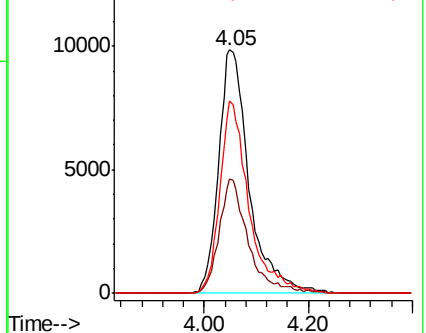
151 75.2 59.1 88.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.279 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW011333.D

Acq: 18 Jul 2019 14:55

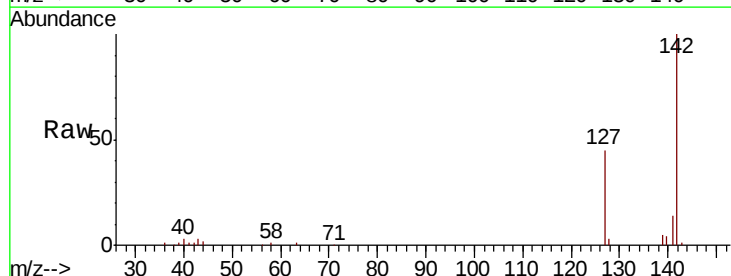
Tgt Ion:142 Resp: 56956

Ion Ratio Lower Upper

142 100

127 45.2 35.7 53.5

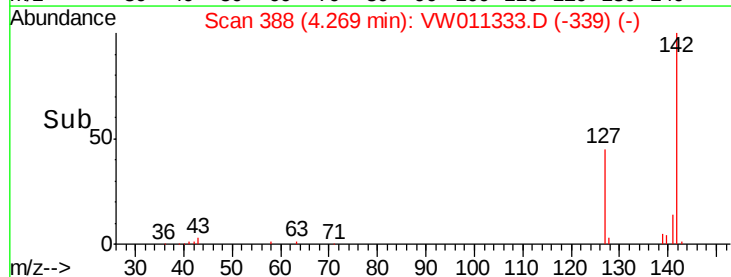
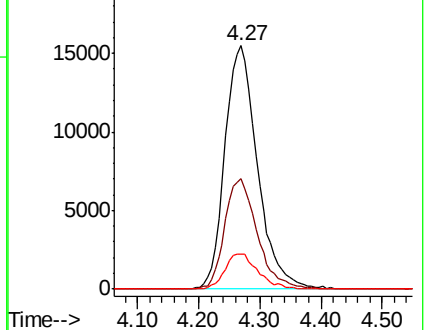
141 14.8 11.5 17.3

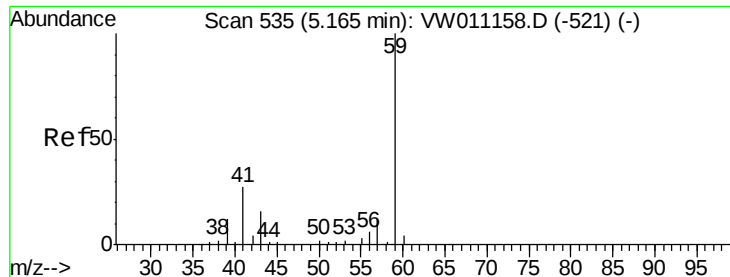


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

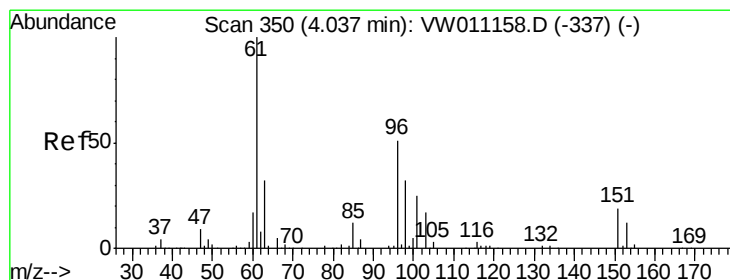
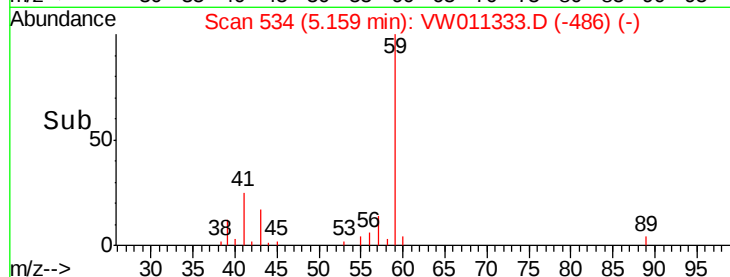
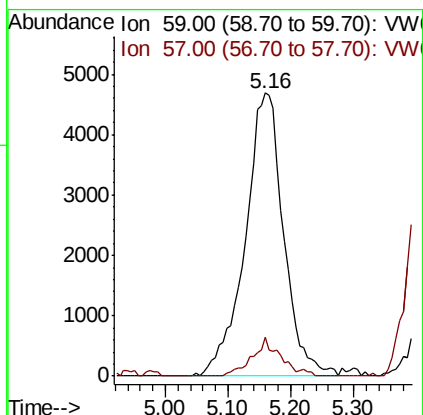
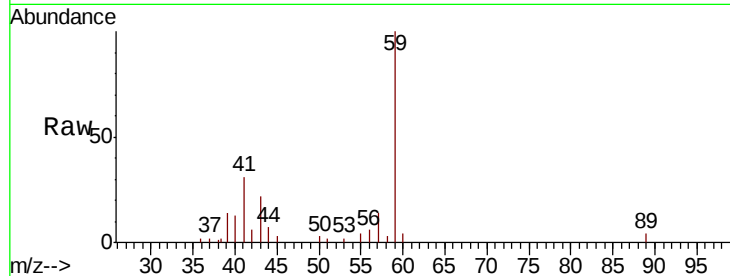




#11
Tert butyl alcohol
Concen: 111.852 ug/l
RT: 5.16 min Scan# 534
Delta R.T. -0.01 min
Lab File: VW011333.D
Acq: 18 Jul 2019 14:55

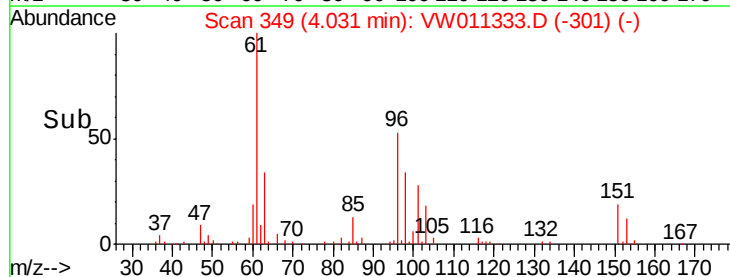
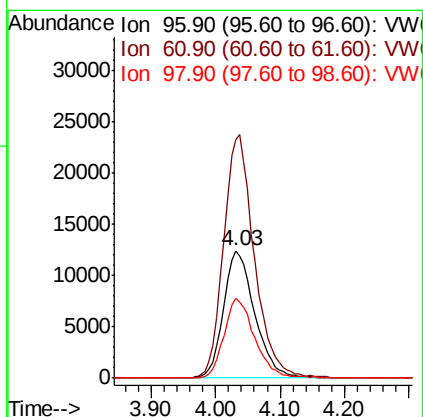
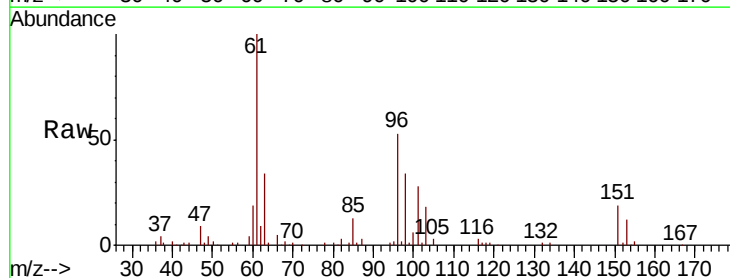
Instrument :
MSVOA_W
ClientSampleId :
VW0718SBSD01

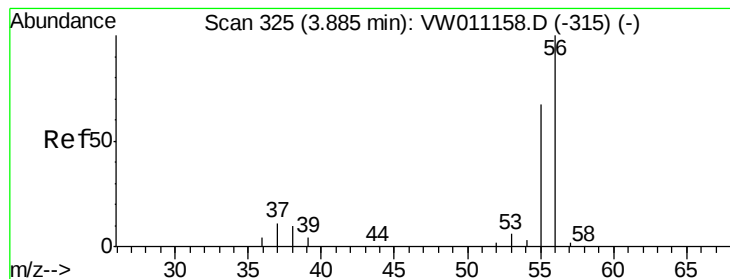
Tot Ion: 59 Resp: 19853
Ion Ratio Lower Upper
59 100
57 9.6 9.0 13.6



#12
1,1-Dichloroethene
Concen: 19.995 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW011333.D
Acq: 18 Jul 2019 14:55

Tgt Ion: 96 Resp: 42379
Ion Ratio Lower Upper
96 100
61 187.1 157.7 236.5
98 63.1 50.9 76.3





#13

Acrolein

Concen: 85.364 ug/l

RT: 3.88 min Scan# 324

Delta R.T. -0.01 min

Lab File: VW011333.D

Acq: 18 Jul 2019 14:55

Instrument :

MSVOA_W

ClientSampleId :

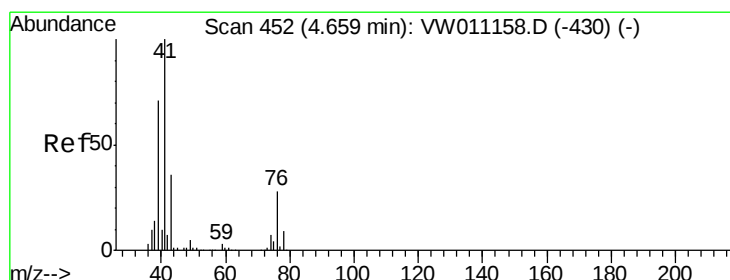
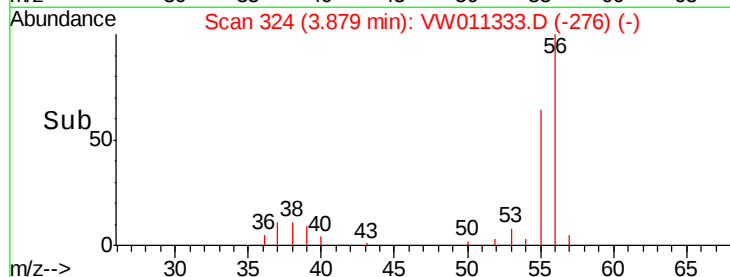
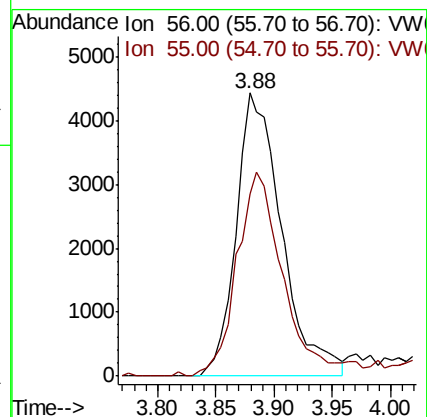
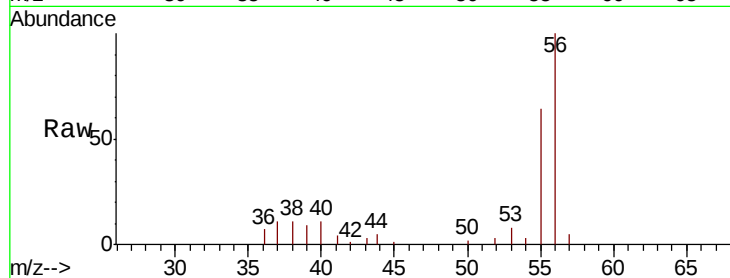
VW0718SBS01

Tot Ion: 56 Resp: 12065

Ion Ratio Lower Upper

56 100

55 72.1 56.4 84.6



#14

Allyl chloride

Concen: 21.027 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW011333.D

Acq: 18 Jul 2019 14:55

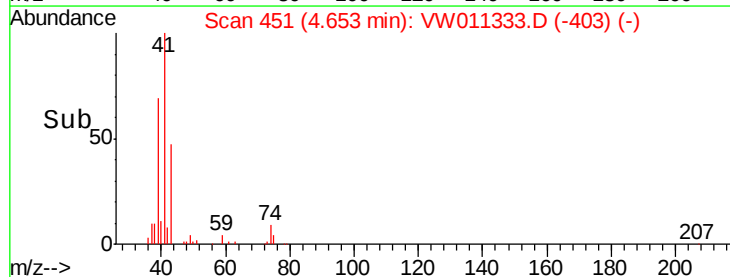
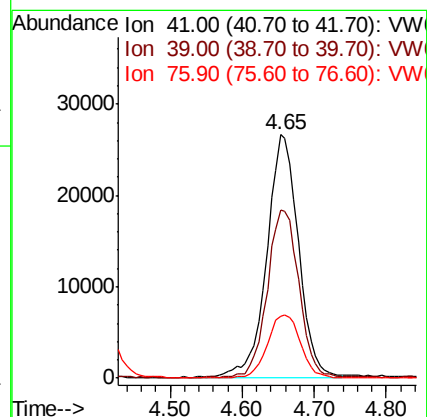
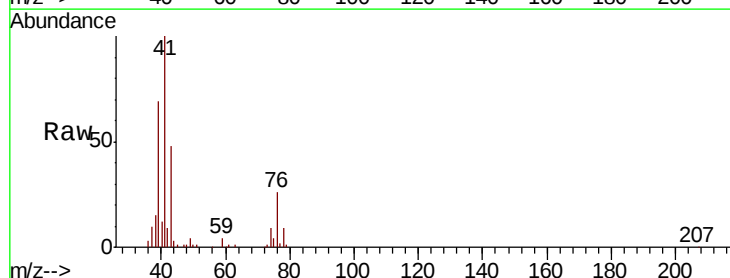
Tgt Ion: 41 Resp: 81268

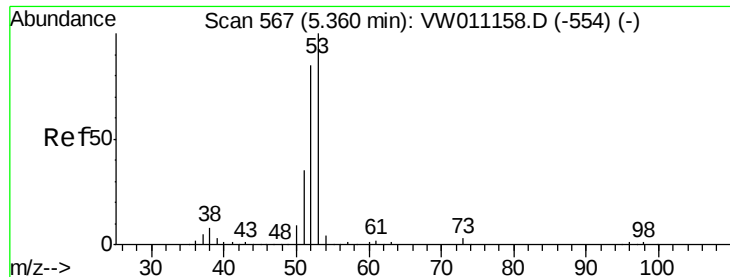
Ion Ratio Lower Upper

41 100

39 68.5 55.1 82.7

76 26.9 22.5 33.7





#15

Acrylonitrile

Concen: 103.450 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW011333.D

Acq: 18 Jul 2019 14:55

Instrument :

MSVOA_W

ClientSampleId :

VW0718SBS01

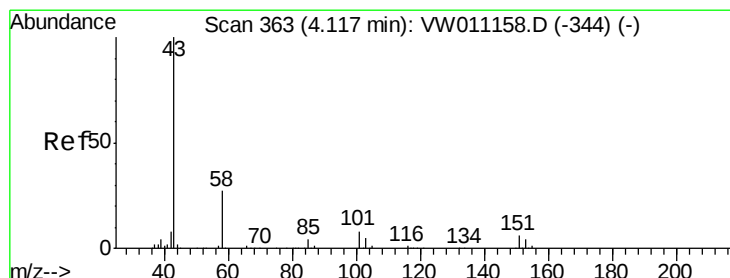
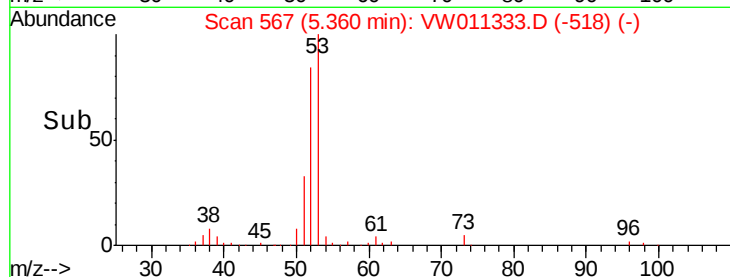
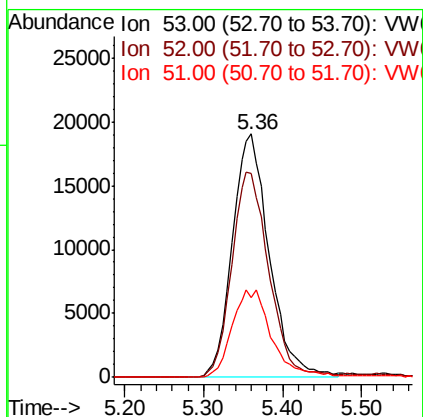
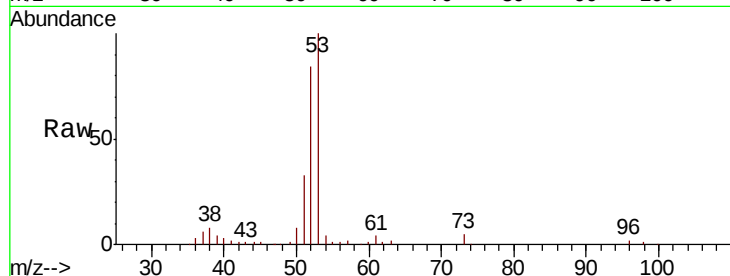
Tot Ion: 53 Resp: 62149

Ion Ratio Lower Upper

53 100

52 84.7 66.2 99.4

51 38.3 29.1 43.7



#16

Acetone

Concen: 108.335 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW011333.D

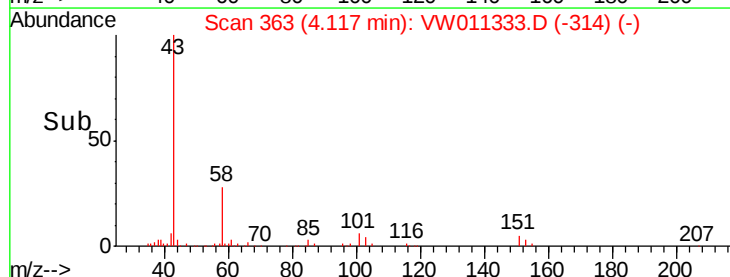
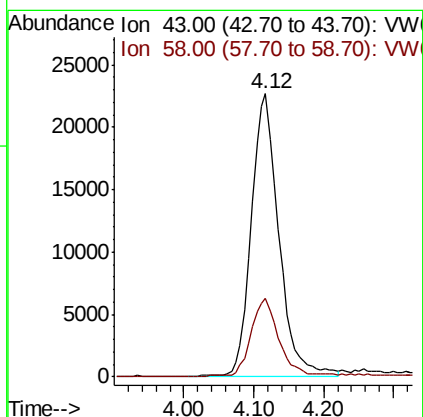
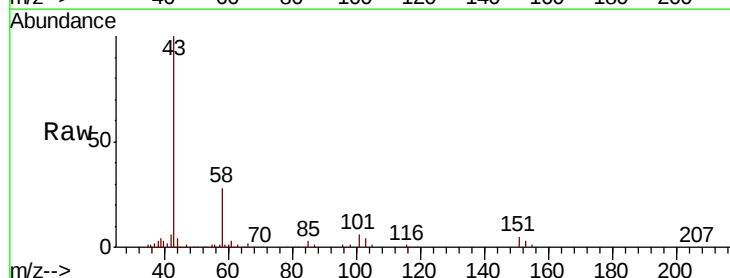
Acq: 18 Jul 2019 14:55

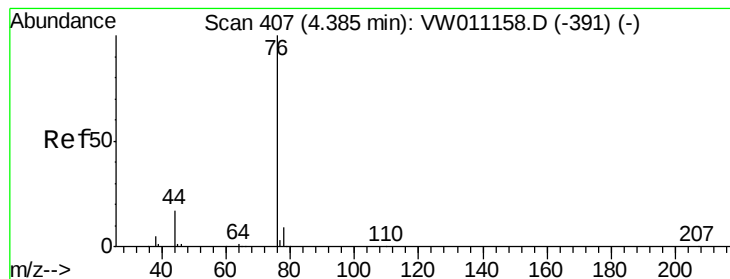
Tgt Ion: 43 Resp: 62491

Ion Ratio Lower Upper

43 100

58 27.3 21.8 32.6





#17

Carbon Disulfide

Concen: 18.643 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW011333.D

Acq: 18 Jul 2019 14:55

Instrument :

MSVOA_W

ClientSampleId :

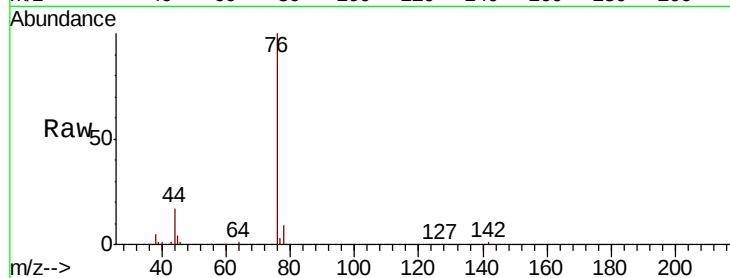
VW0718SBSD01

Tot Ion: 76 Resp: 119794

Ion Ratio Lower Upper

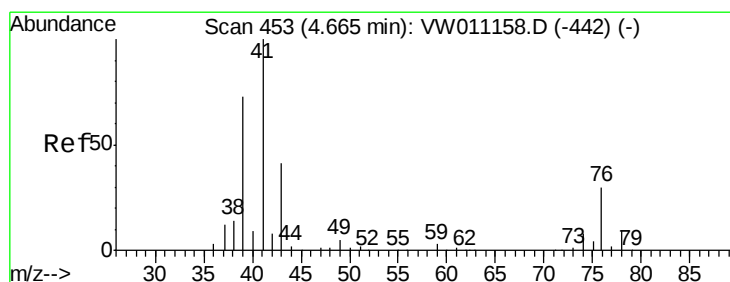
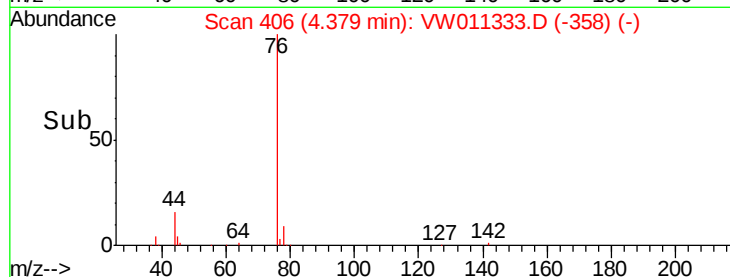
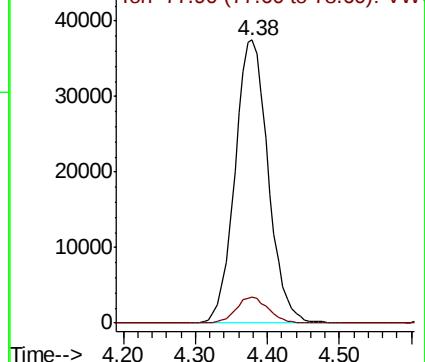
76 100

78 9.4 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 24.663 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW011333.D

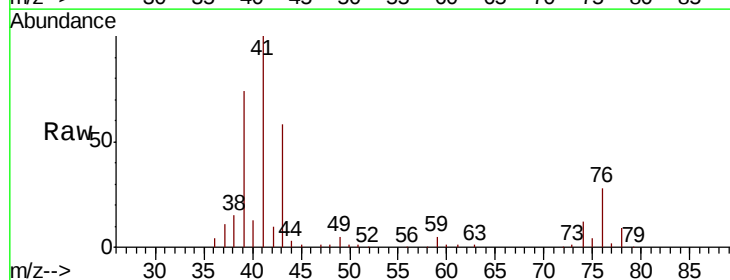
Acq: 18 Jul 2019 14:55

Tgt Ion: 43 Resp: 41631

Ion Ratio Lower Upper

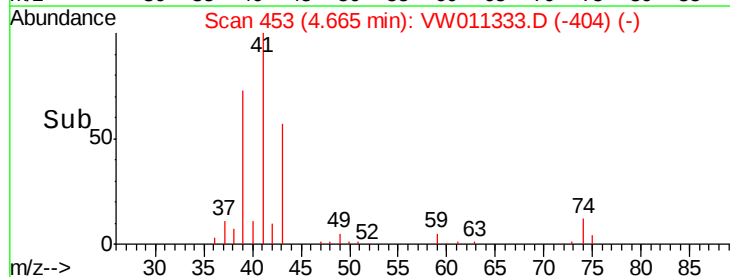
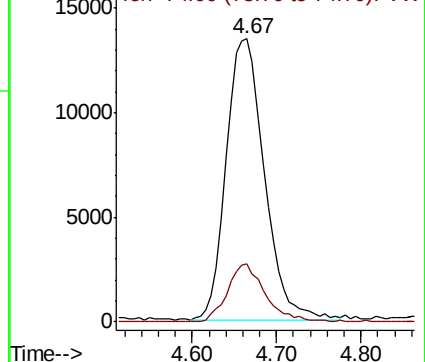
43 100

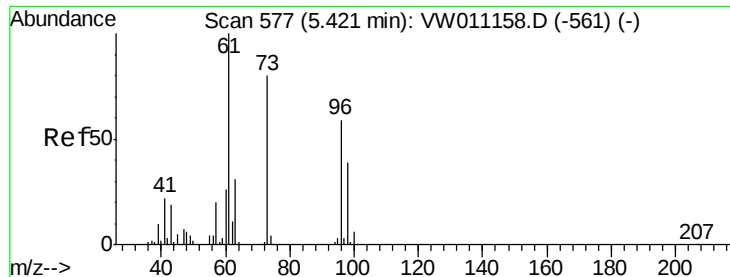
74 20.2 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

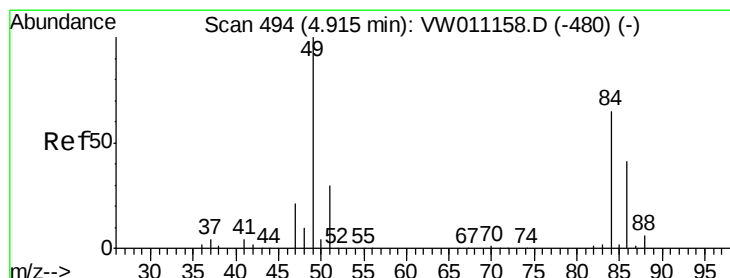
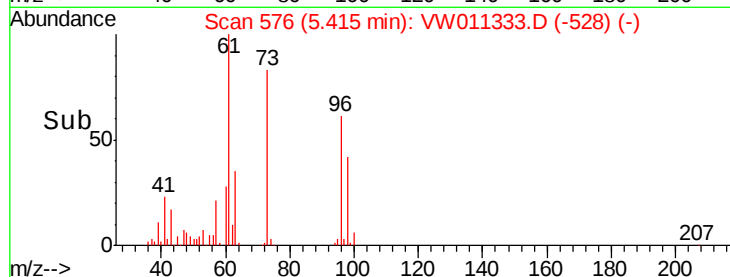
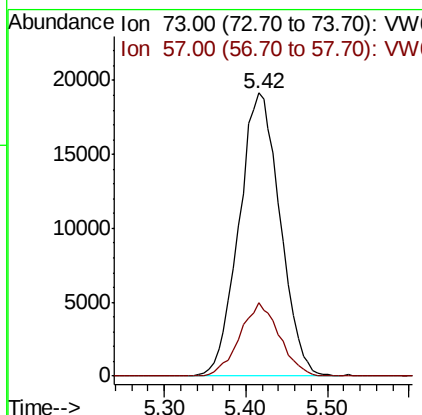
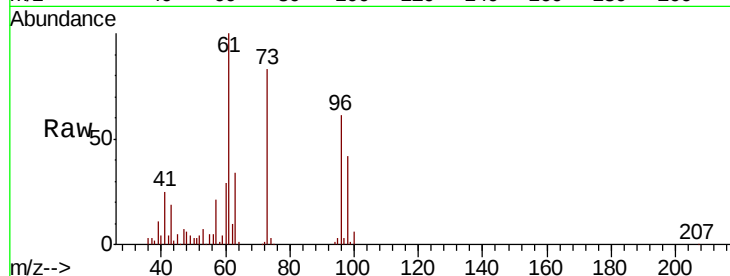




#19
Methvl tert-butvl Ether
Concen: 20.847 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW011333.D
Acq: 18 Jul 2019 14:55

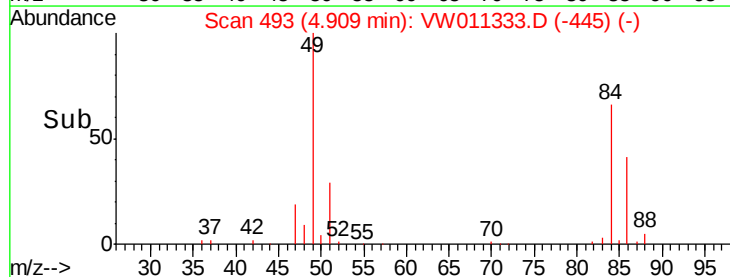
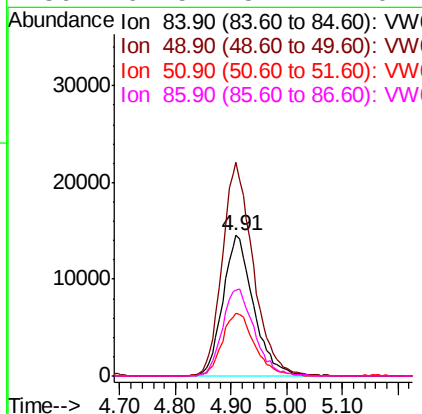
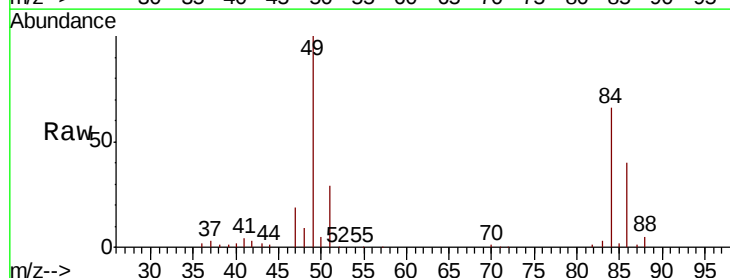
Instrument :
MSVOA_W
ClientSampleId :
VW0718SBS01

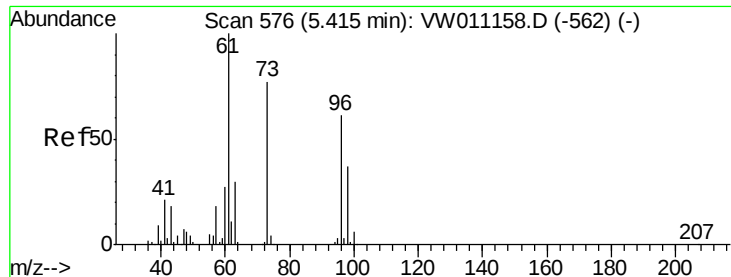
Tot Ion: 73 Resp: 67043
Ion Ratio Lower Upper
73 100
57 25.5 19.7 29.5



#20
Methylene Chloride
Concen: 24.309 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011333.D
Acq: 18 Jul 2019 14:55

Tgt Ion: 84 Resp: 55317
Ion Ratio Lower Upper
84 100
49 152.2 123.8 185.6
51 44.5 37.4 56.2
86 61.5 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 20.675 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW011333.D

Acq: 18 Jul 2019 14:55

Instrument :

MSVOA_W

ClientSampleId :

VW0718SBS01

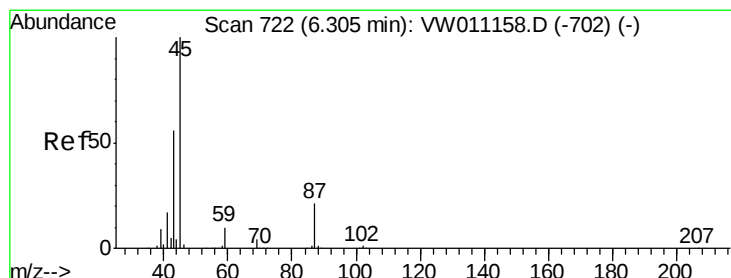
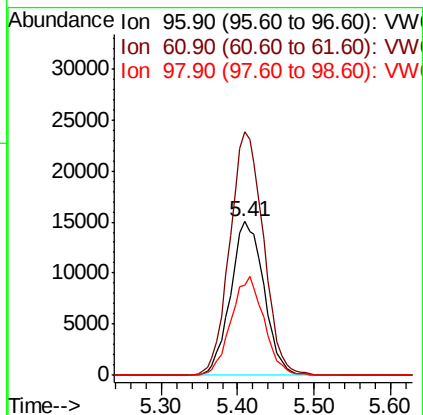
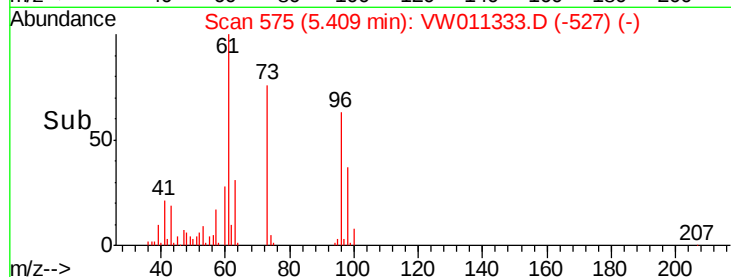
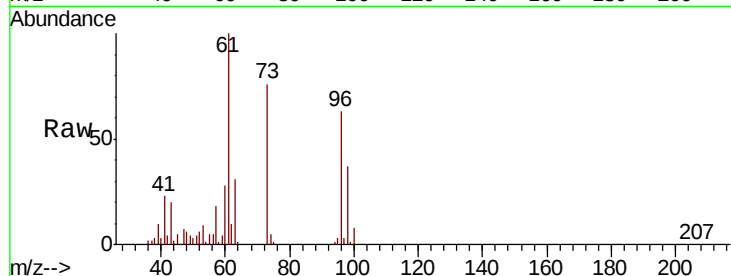
Tot Ion: 96 Resp: 45533

Ion Ratio Lower Upper

96 100

61 158.3 132.2 198.2

98 58.6 49.4 74.0



#22

Diisopropyl ether

Concen: 21.218 ug/l

RT: 6.30 min Scan# 721

Delta R.T. -0.01 min

Lab File: VW011333.D

Acq: 18 Jul 2019 14:55

Tgt Ion: 45 Resp: 176384

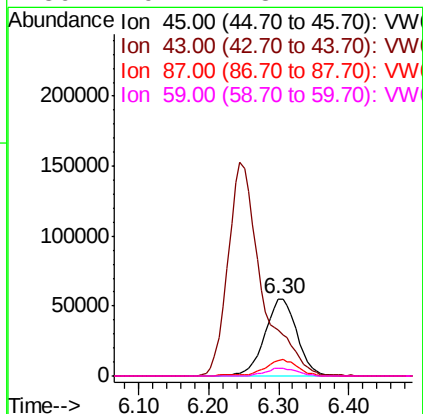
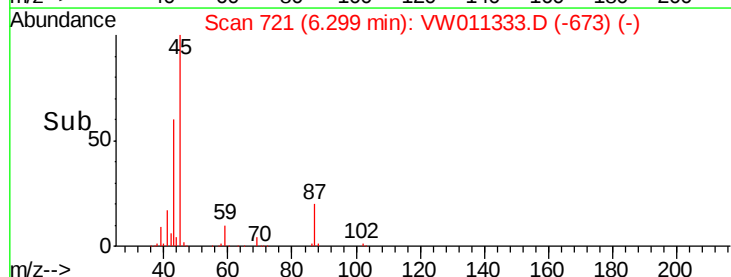
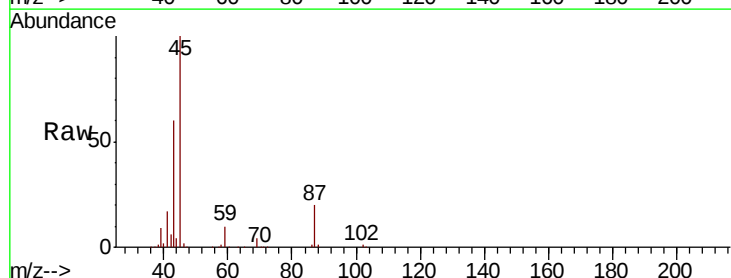
Ion Ratio Lower Upper

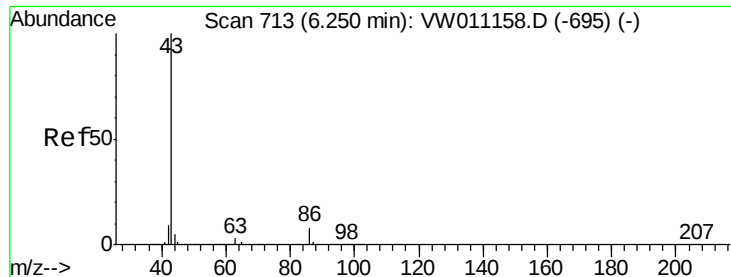
45 100

43 59.8 44.6 66.8

87 19.8 17.3 25.9

59 9.7 8.2 12.2





#23

Vinyl Acetate

Concen: 99.089 ug/l

RT: 6.24 min Scan# 712

Delta R.T. -0.01 min

Lab File: VW011333.D

Acq: 18 Jul 2019 14:55

Instrument :

MSVOA_W

ClientSampleId :

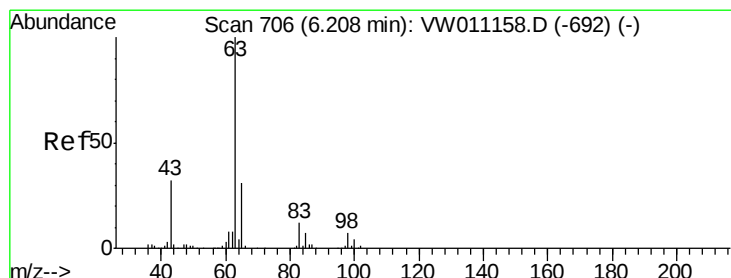
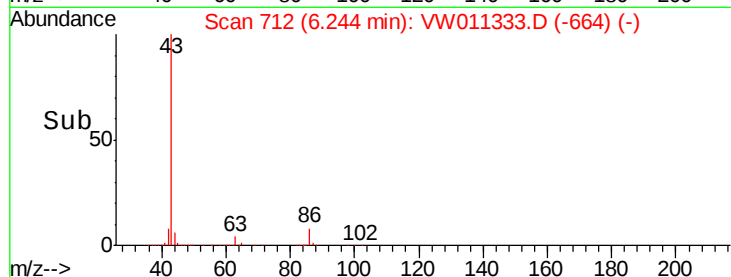
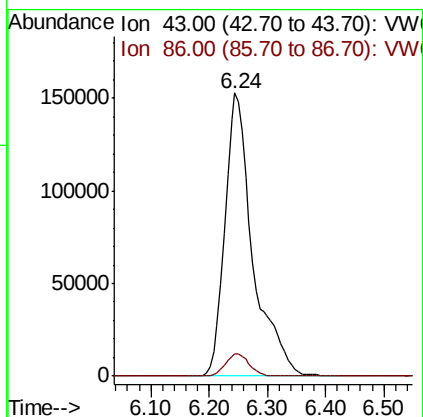
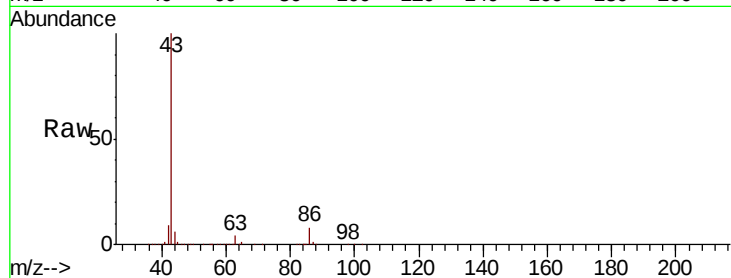
VW0718SBS01

Tot Ion: 43 Resp: 509774

Ion Ratio Lower Upper

43 100

86 8.1 6.5 9.7



#24

1,1-Dichloroethane

Concen: 21.224 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW011333.D

Acq: 18 Jul 2019 14:55

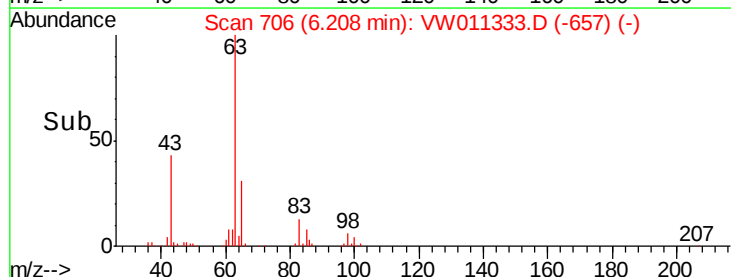
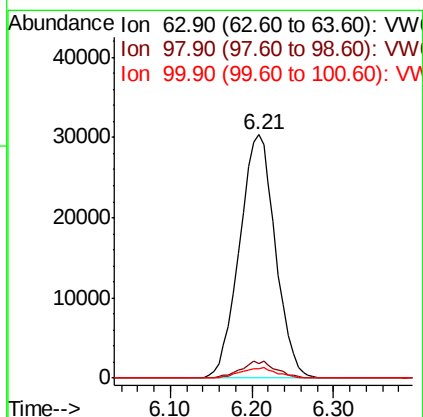
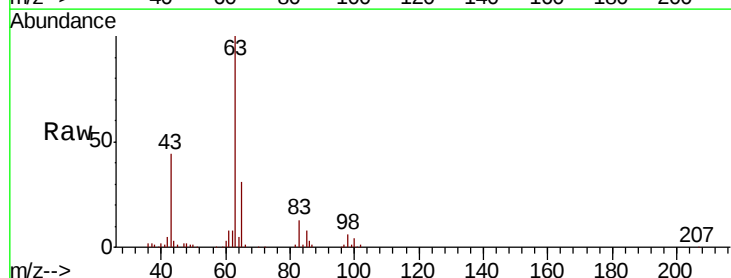
Tgt Ion: 63 Resp: 92646

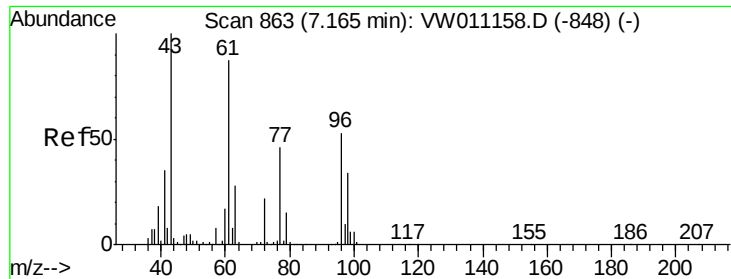
Ion Ratio Lower Upper

63 100

98 6.0 3.3 9.9

100 3.9 2.1 6.2





#25

2-Butanone

Concen: 104.212 ug/l

RT: 7.16 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW011333.D

Acq: 18 Jul 2019 14:55

Instrument :

MSVOA_W

ClientSampleId :

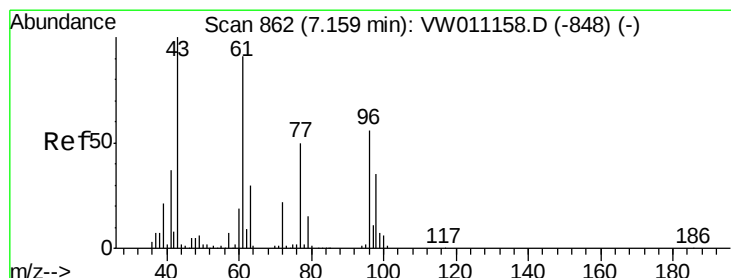
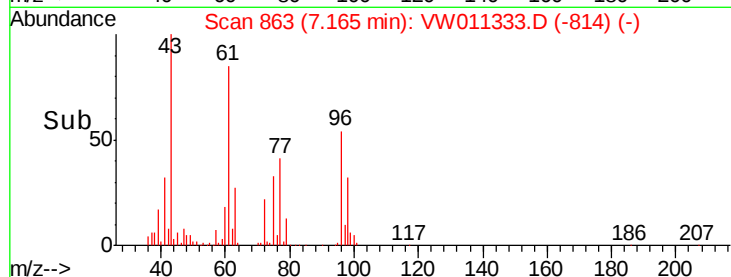
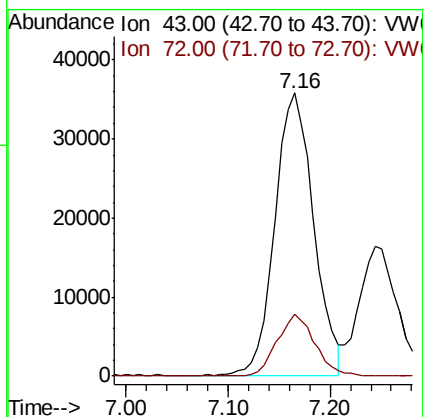
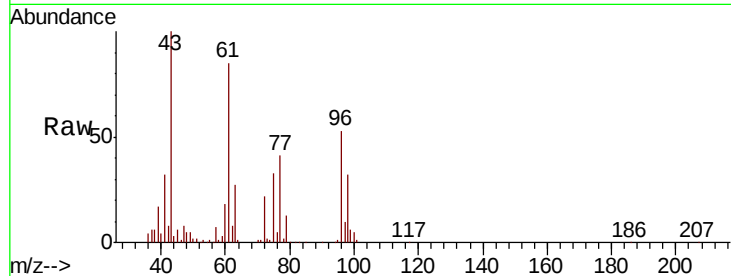
VW0718SBS01

Tot Ion: 43 Resp: 94361

Ion Ratio Lower Upper

43 100

72 22.1 17.6 26.4



#26

2,2-Dichloropropane

Concen: 21.478 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW011333.D

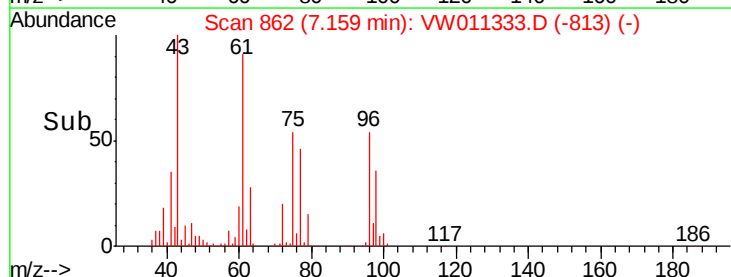
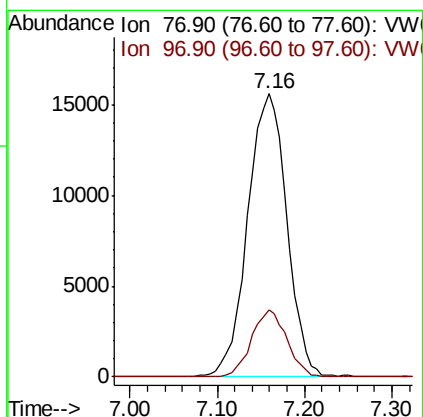
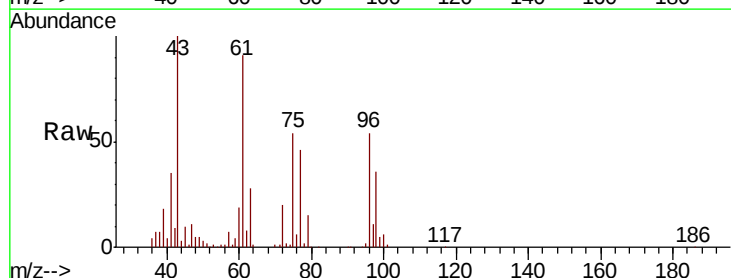
Acq: 18 Jul 2019 14:55

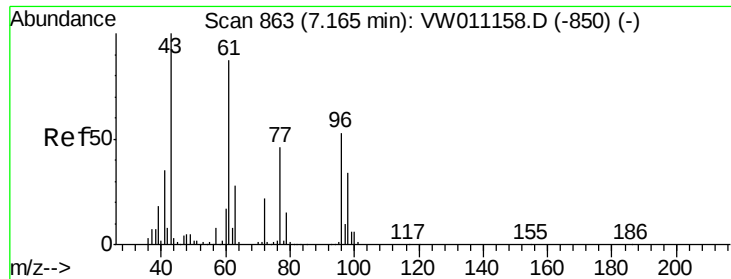
Tgt Ion: 77 Resp: 48735

Ion Ratio Lower Upper

77 100

97 21.3 11.2 33.5



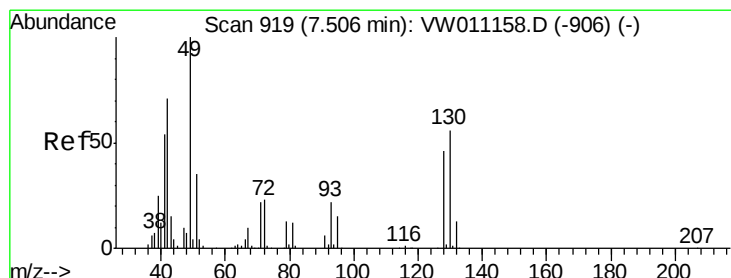
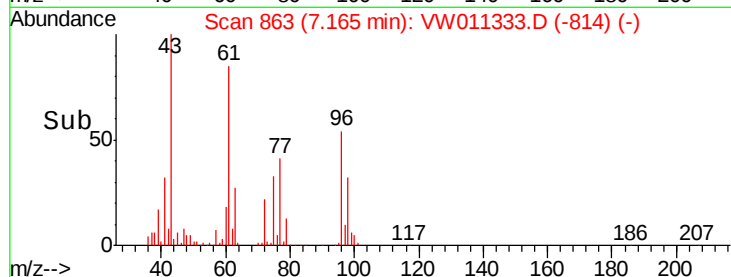
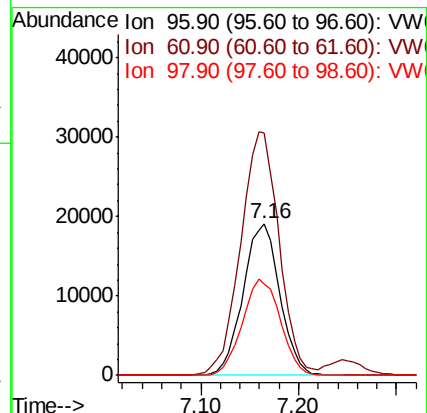
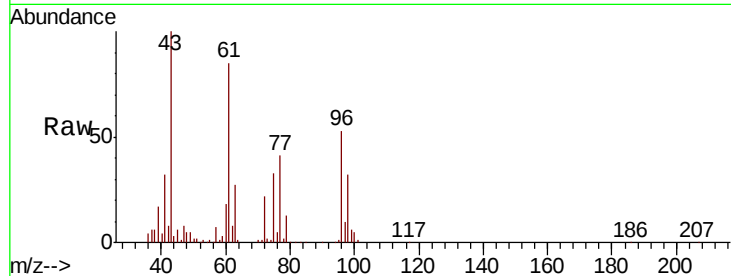


#27

cis-1,2-Dichloroethene
Concen: 20.918 ug/l
RT: 7.16 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW011333.D
Acq: 18 Jul 2019 14:55

Instrument :
MSVOA_W
ClientSampleId :
VW0718SBSD01

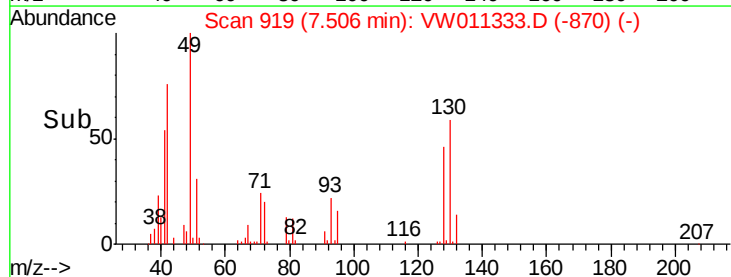
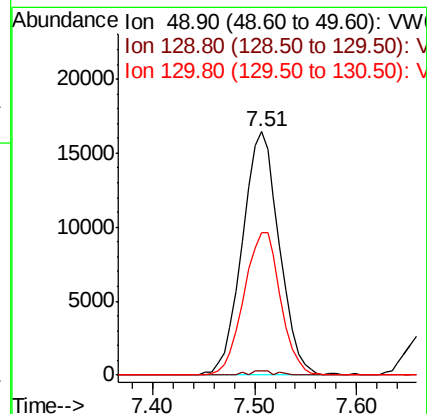
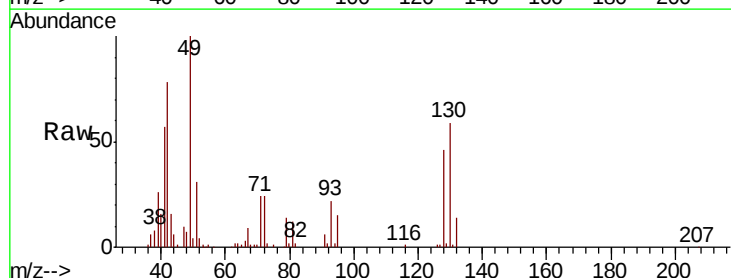
Tot Ion	96	Resp	49696
Ion	Ratio	Lower	Upper
96	100		
61	168.6	0.0	325.6
98	65.8	0.0	128.2

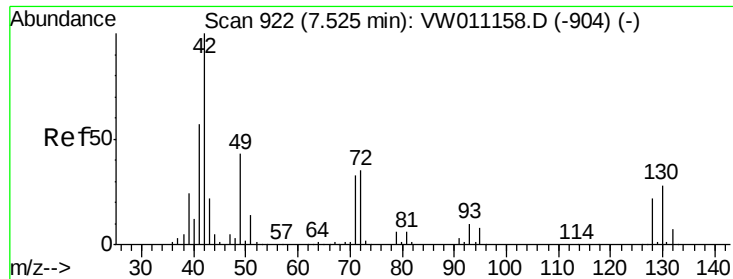


#28

Bromochloromethane
Concen: 20.804 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW011333.D
Acq: 18 Jul 2019 14:55

Tgt Ion	49	Resp	41292
Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	1.4
130	58.3	45.8	68.8





#29

Tetrahydrofuran

Concen: 99.982 ug/l

RT: 7.52 min Scan# 922

Delta R.T. 0.00 min

Lab File: VW011333.D

Acq: 18 Jul 2019 14:55

Instrument :

MSVOA_W

ClientSampleId :

VW0718SBS01

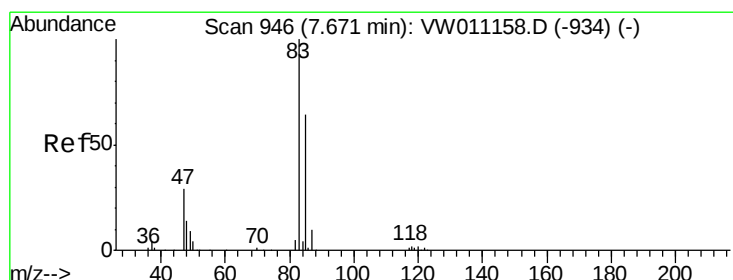
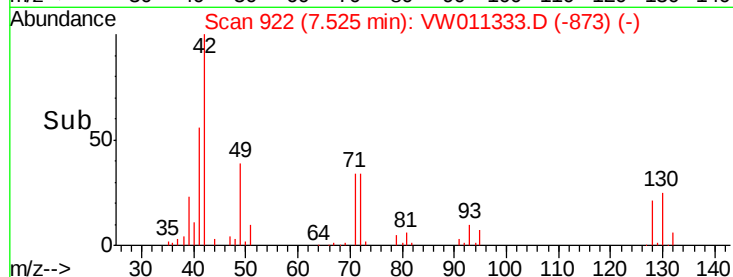
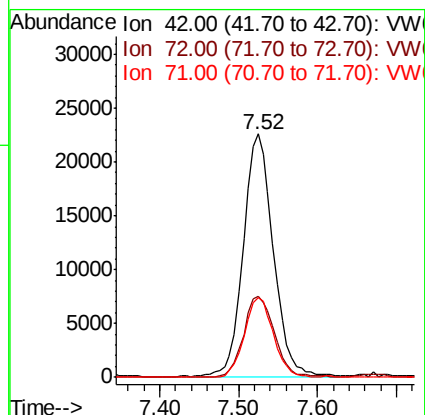
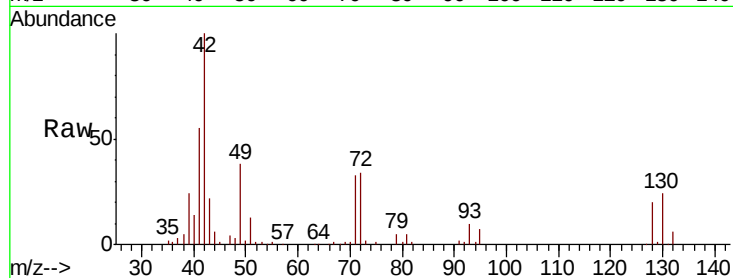
Tot Ion: 42 Resp: 59362

Ion Ratio Lower Upper

42 100

72 34.2 27.4 41.2

71 32.0 25.9 38.9



#30

Chloroform

Concen: 21.060 ug/l

RT: 7.66 min Scan# 945

Delta R.T. -0.01 min

Lab File: VW011333.D

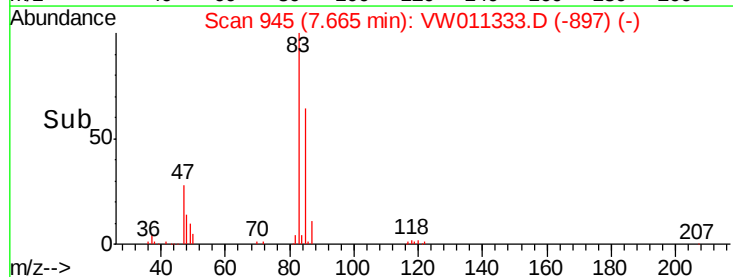
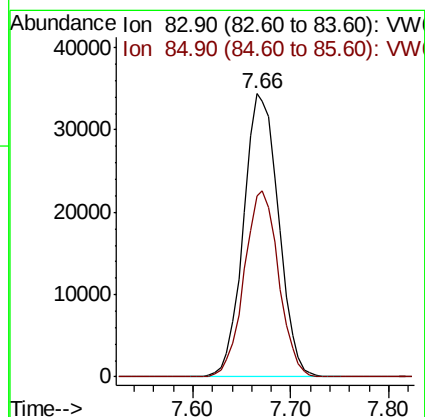
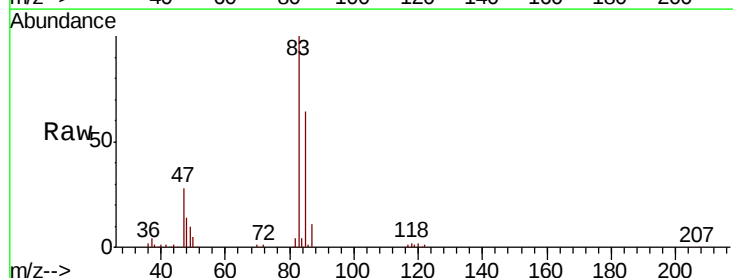
Acq: 18 Jul 2019 14:55

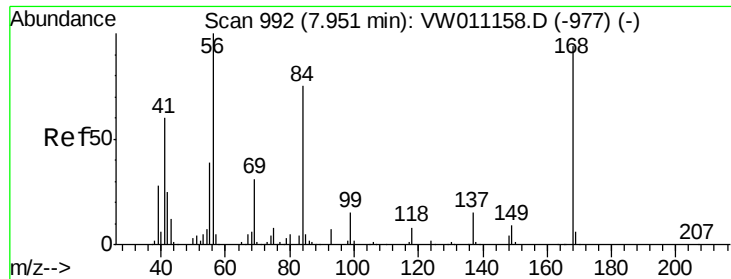
Tgt Ion: 83 Resp: 85139

Ion Ratio Lower Upper

83 100

85 63.8 51.4 77.2

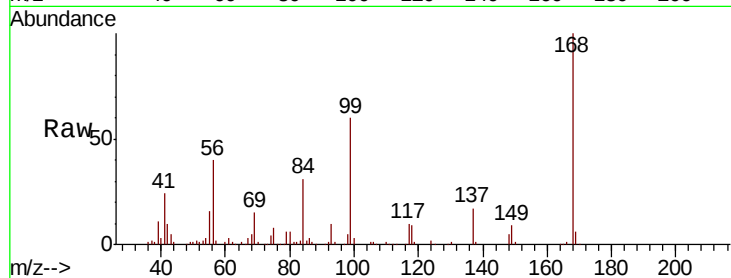




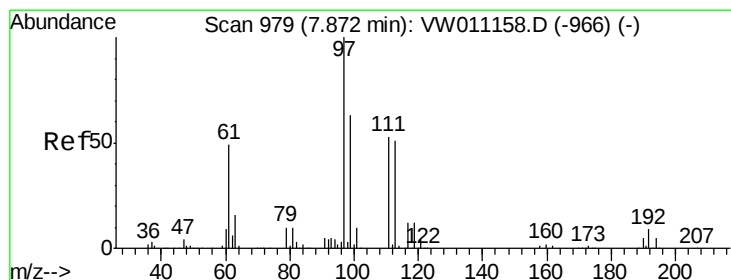
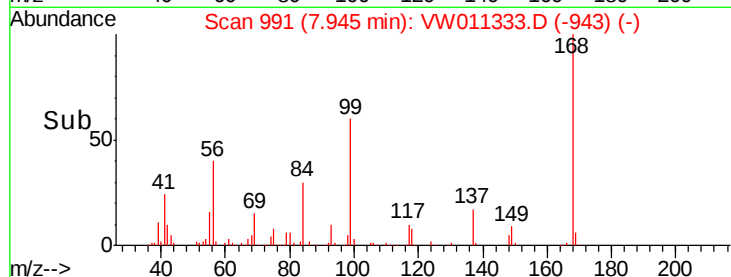
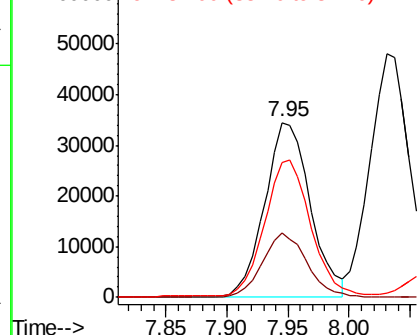
#31
Cyclohexane
Concen: 19.339 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW011333.D
Acq: 18 Jul 2019 14:55

Instrument :
MSVOA_W
ClientSampleId :
VW0718SBSD01

Tot Ion: 56 Resp: 89808
Ion Ratio Lower Upper
56 100
69 36.6 24.6 36.8
84 76.0 60.1 90.1

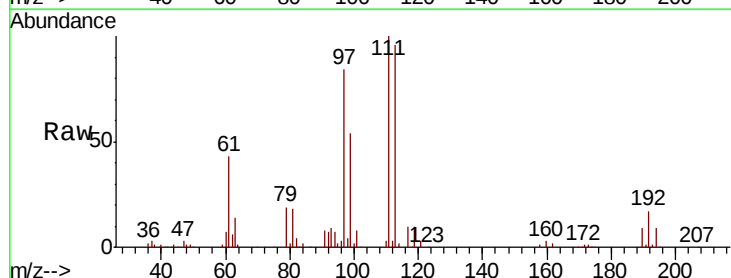


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

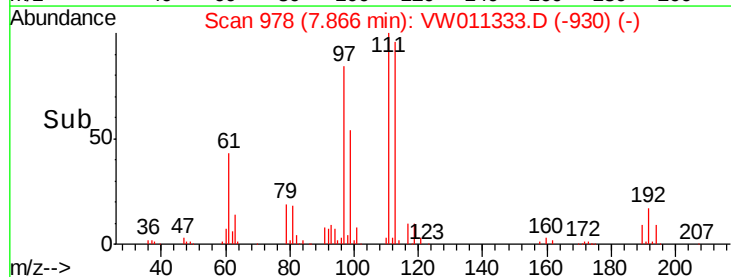
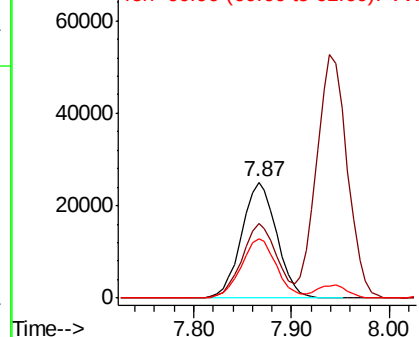


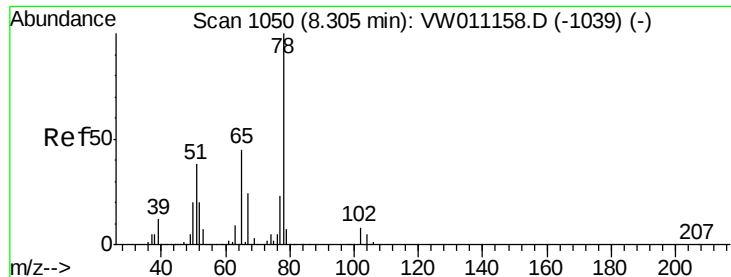
#32
1,1,1-Trichloroethane
Concen: 20.257 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW011333.D
Acq: 18 Jul 2019 14:55

Tgt Ion: 97 Resp: 62295
Ion Ratio Lower Upper
97 100
99 64.5 51.0 76.4
61 51.8 40.4 60.6



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

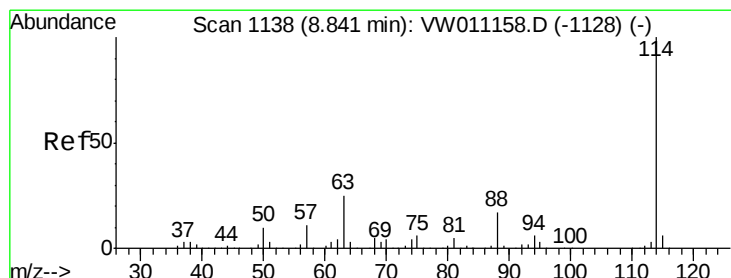
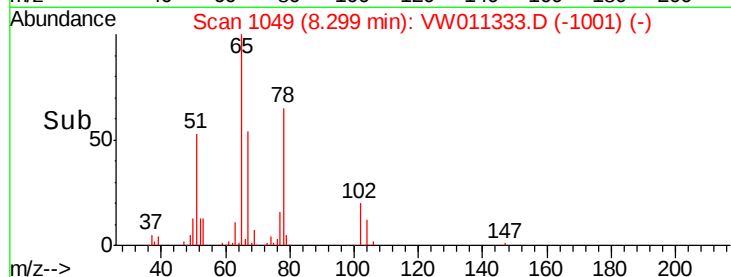
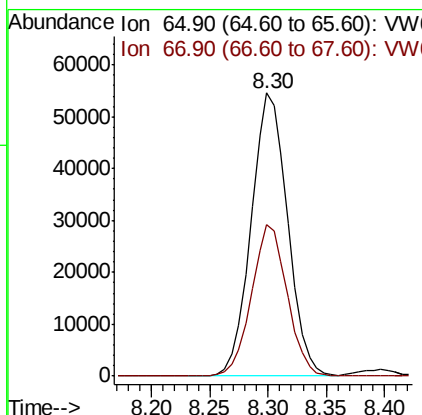
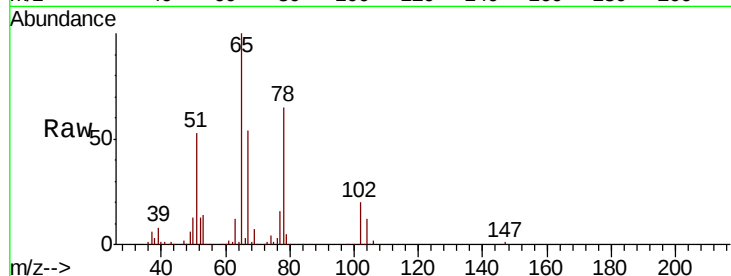




#33
 1,2-Dichloroethane-d4
 Concen: 49.668 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW011333.D
 Acq: 18 Jul 2019 14:55

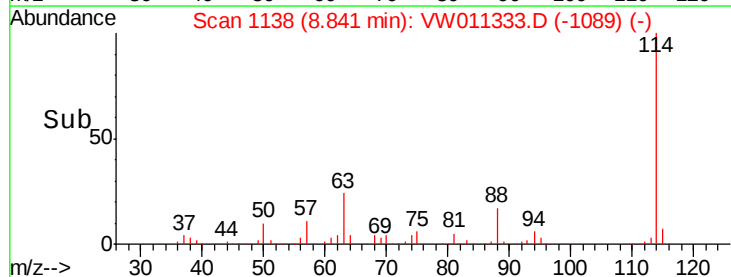
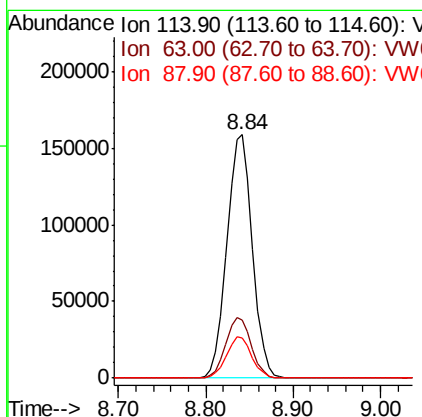
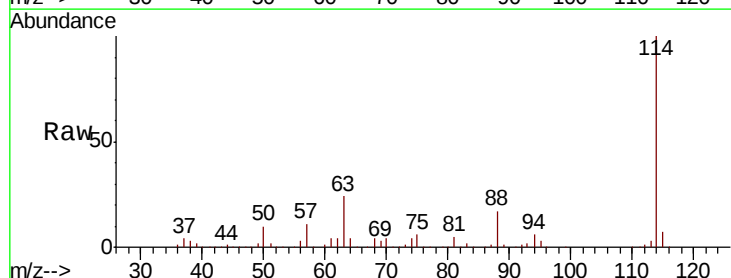
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0718SBS01

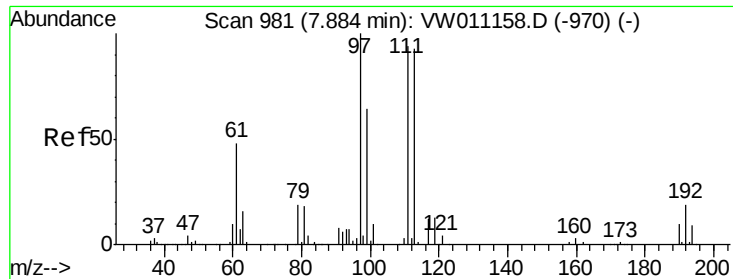
Tot Ion: 65 Resp: 119071
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011333.D
 Acq: 18 Jul 2019 14:55

Tgt Ion: 114 Resp: 319748
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 50.8
 88 16.7 0.0 34.2

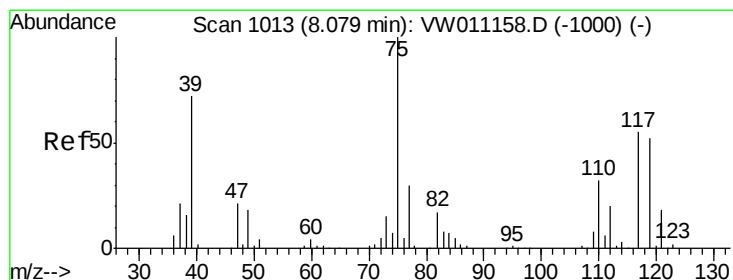
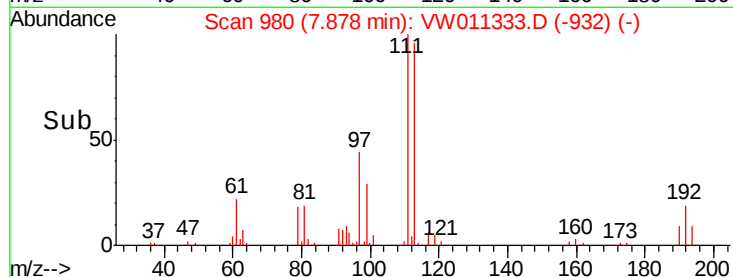
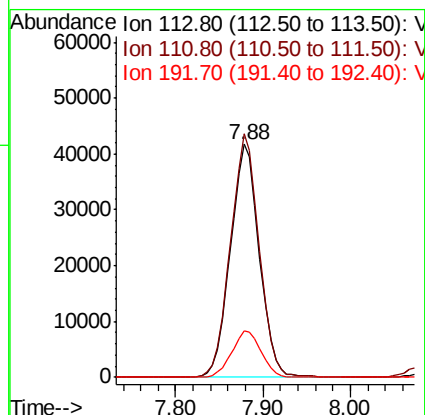
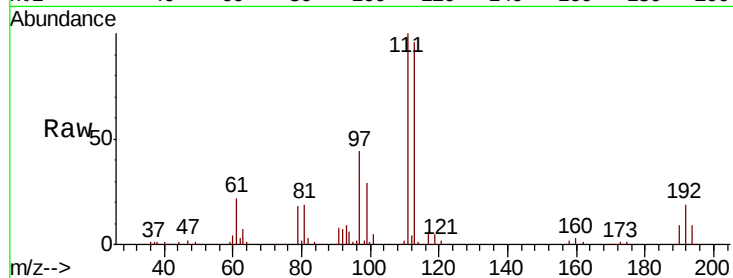




#35
 Dibromofluoromethane
 Concen: 50.148 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW011333.D
 Acq: 18 Jul 2019 14:55

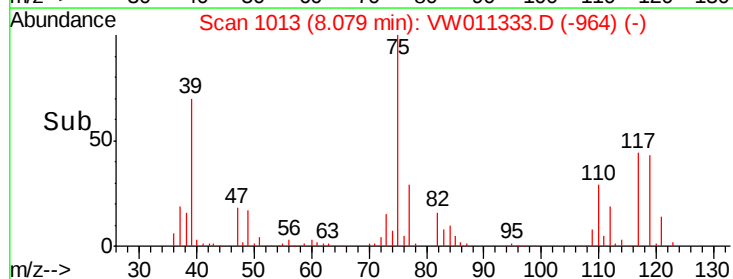
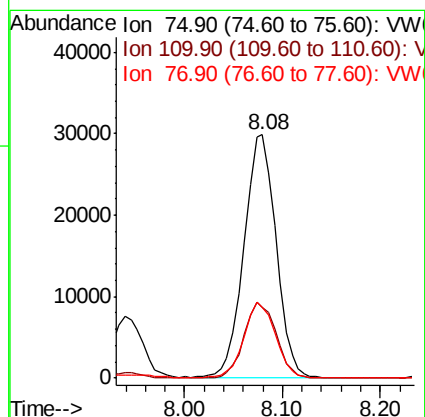
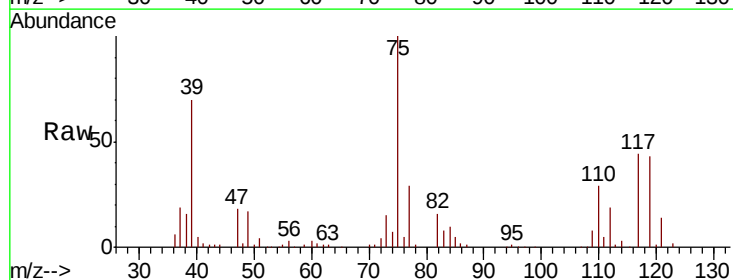
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0718SBSD01

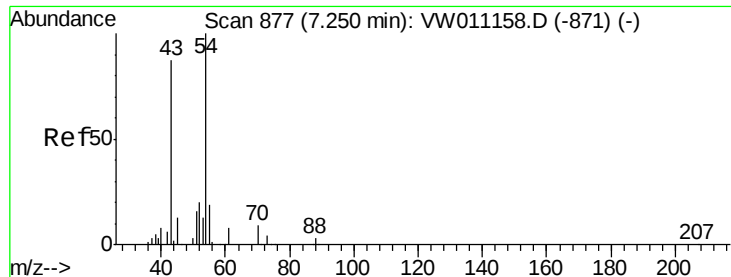
Tot Ion:113 Resp: 95574
 Ion Ratio Lower Upper
 113 100
 111 103.8 82.4 123.6
 192 20.2 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 19.941 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW011333.D
 Acq: 18 Jul 2019 14:55

Tgt Ion: 75 Resp: 67901
 Ion Ratio Lower Upper
 75 100
 110 31.3 15.9 47.6
 77 31.1 24.6 36.8

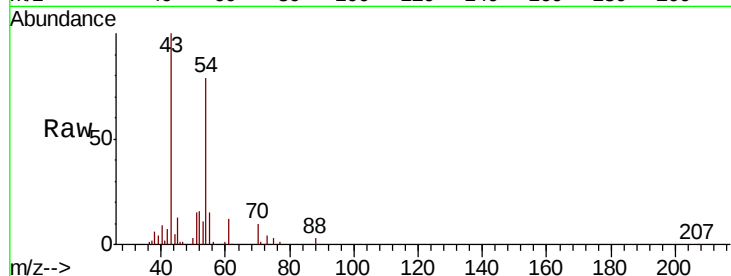




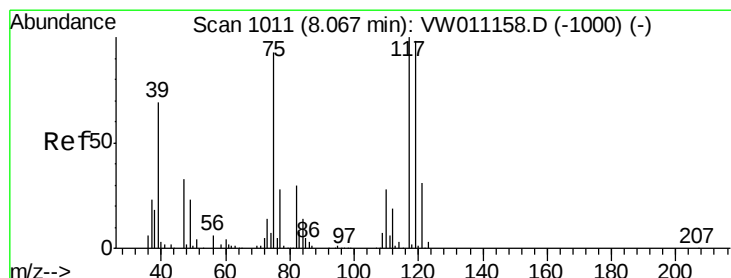
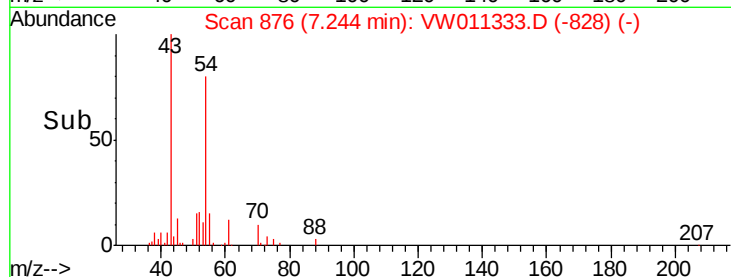
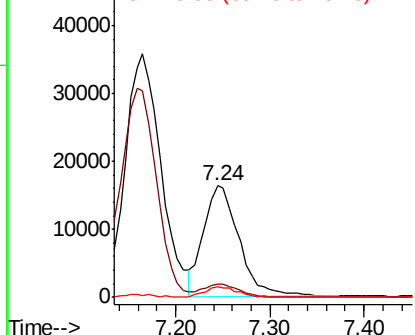
#37
Ethyl Acetate
Concen: 20.904 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: VW011333.D
Acq: 18 Jul 2019 14:55

Instrument :
MSVOA_W
ClientSampleID :
VW0718SBS01

Tot Ion: 43 Resp: 42765
Ion Ratio Lower Upper
43 100
61 11.7 9.5 14.3
70 8.7 7.1 10.7

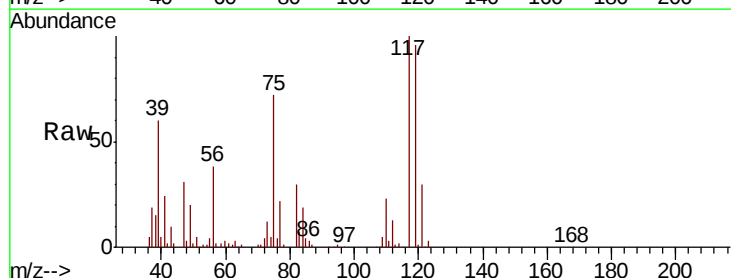


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

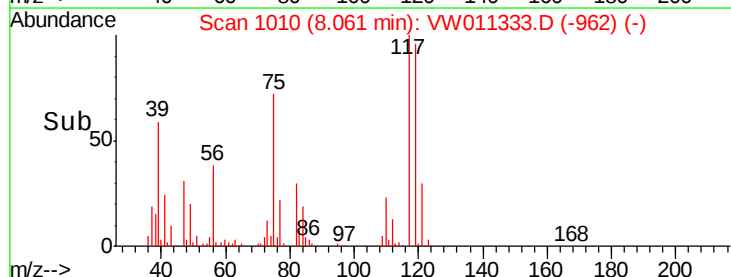
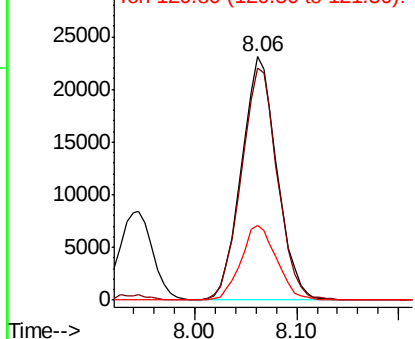


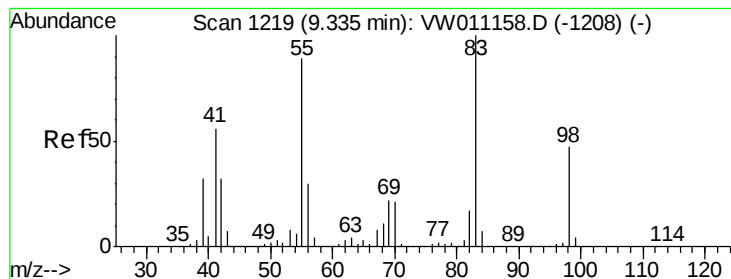
#38
Carbon Tetrachloride
Concen: 19.398 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW011333.D
Acq: 18 Jul 2019 14:55

Tgt Ion: 117 Resp: 55992
Ion Ratio Lower Upper
117 100
119 95.6 78.1 117.1
121 30.4 25.1 37.7



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





#39

Methvlcvclohexane

Concen: 19.077 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW011333.D

Acq: 18 Jul 2019 14:55

Instrument :

MSVOA_W

ClientSampleId :

VW0718SBS01

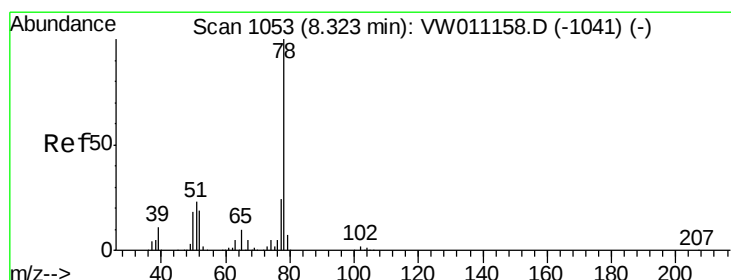
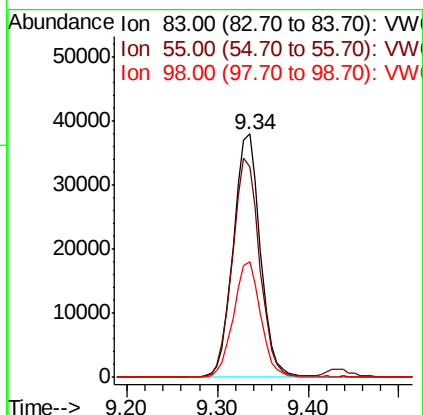
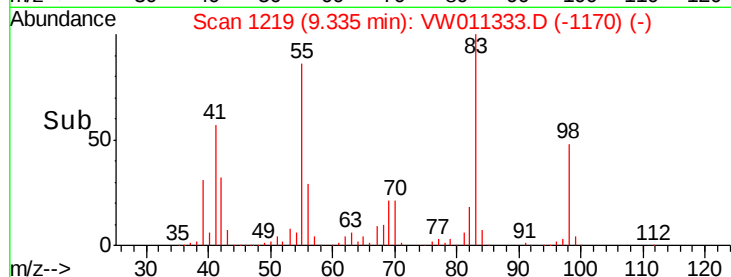
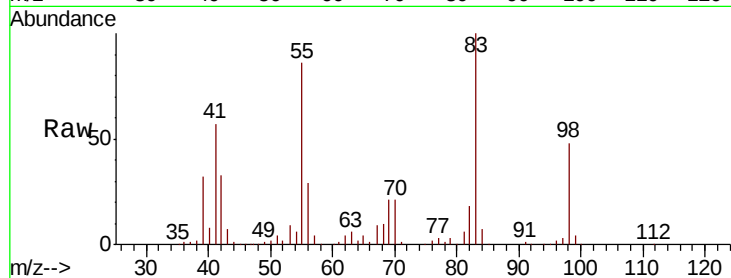
Tot Ion: 83 Resp: 78733

Ion Ratio Lower Upper

83 100

55 86.5 71.2 106.8

98 47.6 37.5 56.3



#40

Benzene

Concen: 20.894 ug/l

RT: 8.32 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VW011333.D

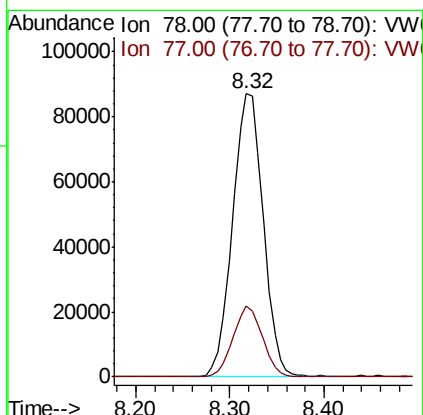
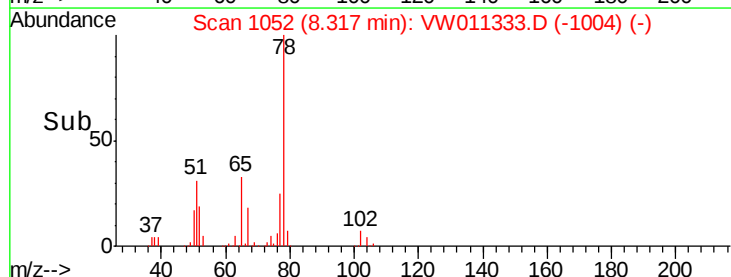
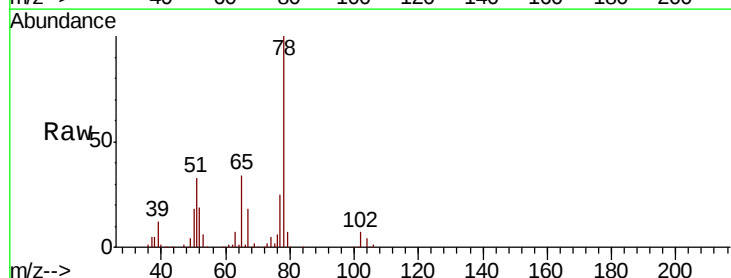
Acq: 18 Jul 2019 14:55

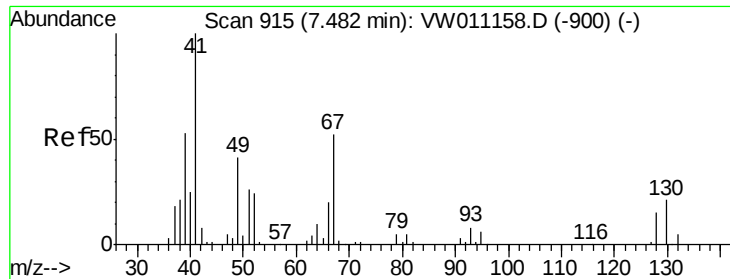
Tgt Ion: 78 Resp: 196612

Ion Ratio Lower Upper

78 100

77 24.9 19.0 28.6

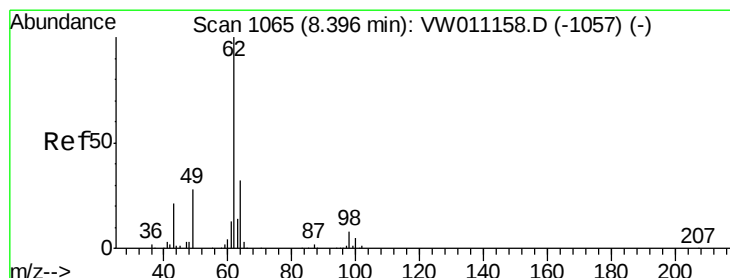
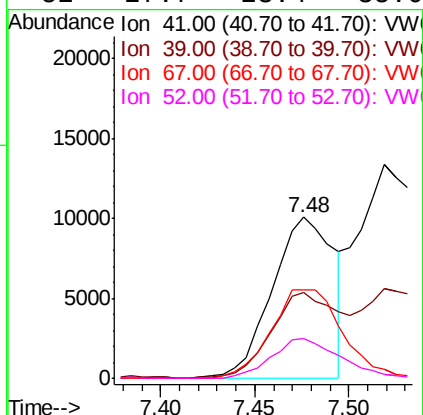
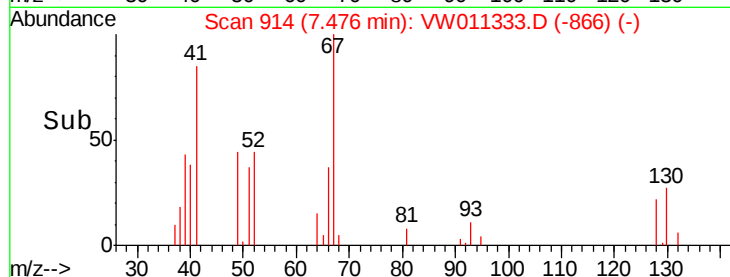
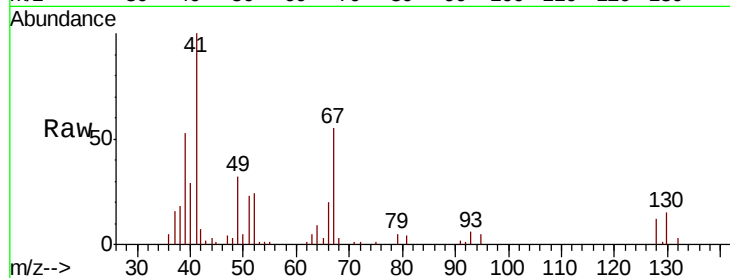




#41
Methacrylonitrile
Concen: 19.591 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW011333.D
Acq: 18 Jul 2019 14:55

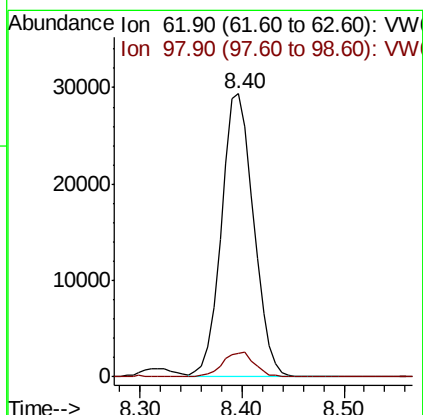
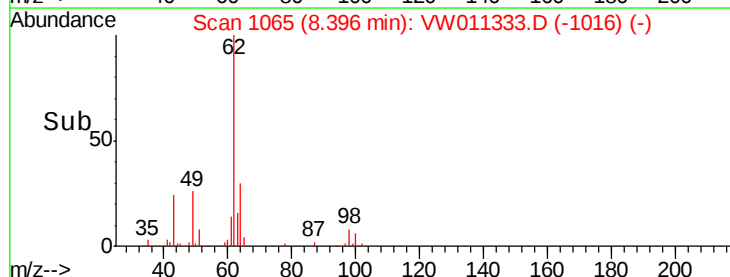
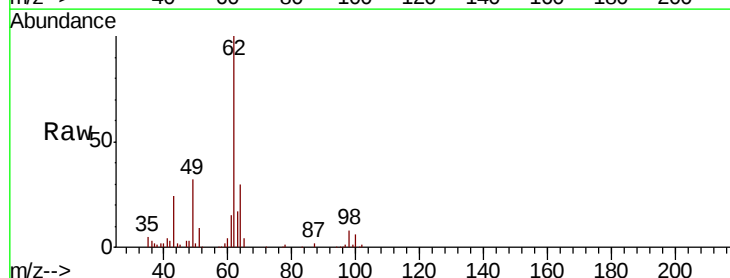
Instrument :
MSVOA_W
ClientSampleId :
VW0718SBS01

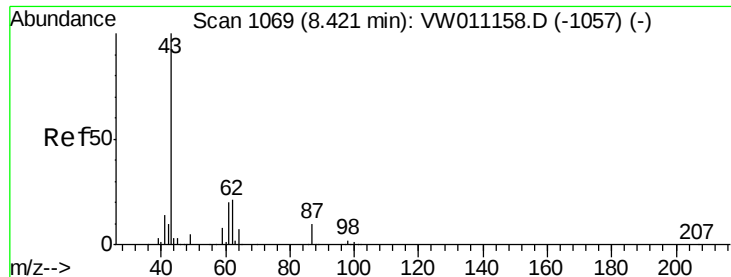
Tot Ion:	41	Resp:	22923
Ion	Ratio	Lower	Upper
41	100		
39	60.0	48.0	72.0
67	63.8	49.7	74.5
52	27.7	23.4	35.0



#42
1,2-Dichloroethane
Concen: 21.083 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011333.D
Acq: 18 Jul 2019 14:55

Tgt Ion:	62	Resp:	64359
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	16.8





#43

Isopropyl Acetate

Concen: 19.942 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW011333.D

Acq: 18 Jul 2019 14:55

Instrument :

MSVOA_W

ClientSampleId :

VW0718SBS01

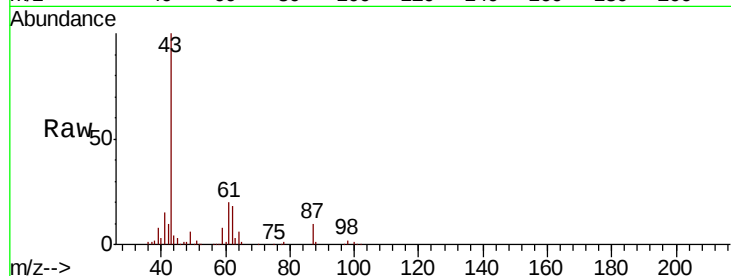
Tot Ion: 43 Resp: 77024

Ion Ratio Lower Upper

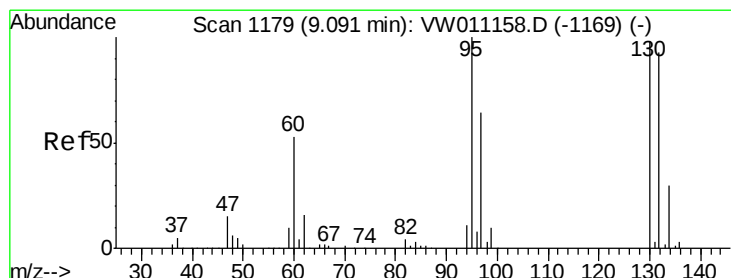
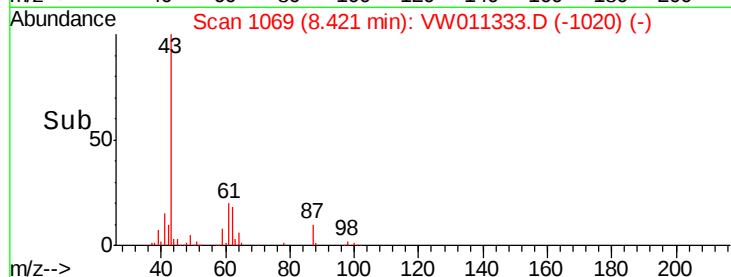
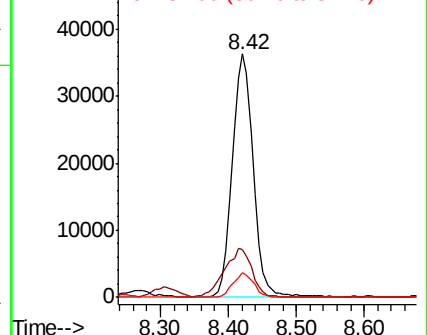
43 100

61 26.9 20.7 31.1

87 9.9 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 20.278 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW011333.D

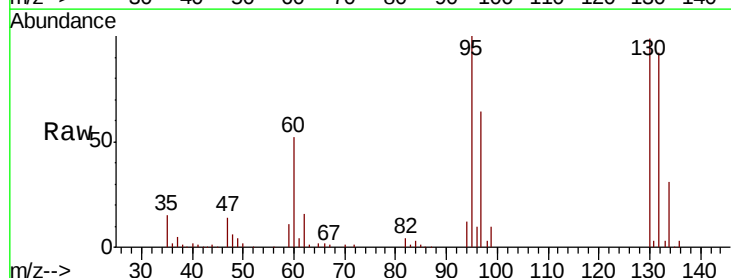
Acq: 18 Jul 2019 14:55

Tgt Ion: 130 Resp: 45918

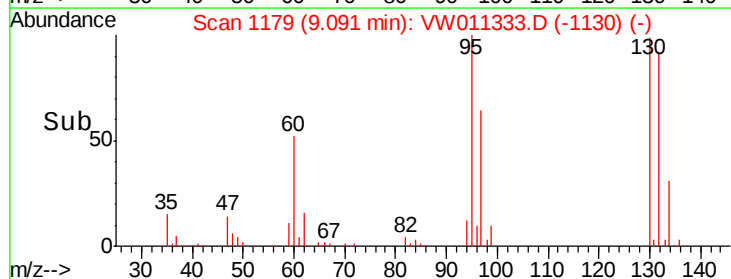
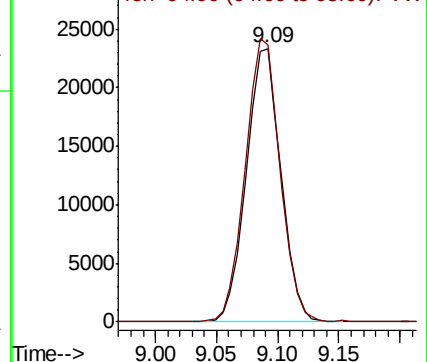
Ion Ratio Lower Upper

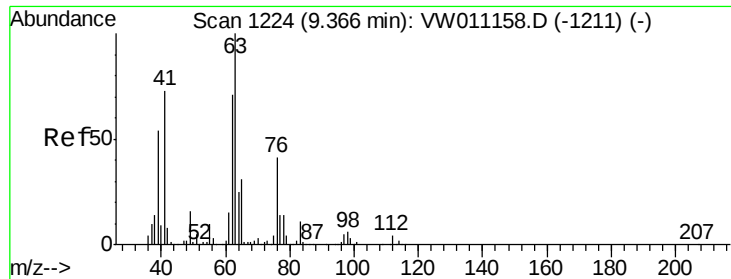
130 100

95 101.3 0.0 203.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW

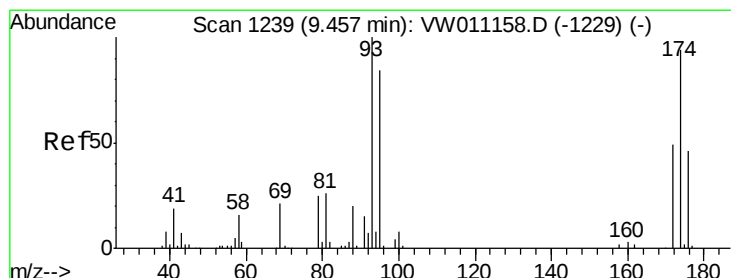
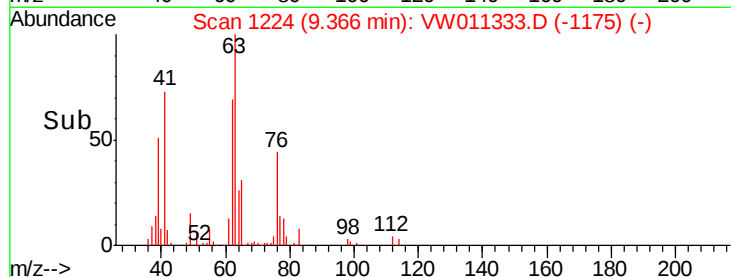
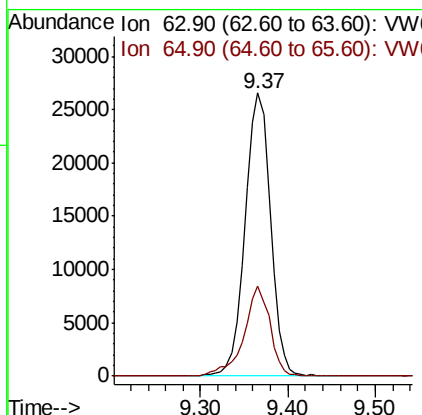
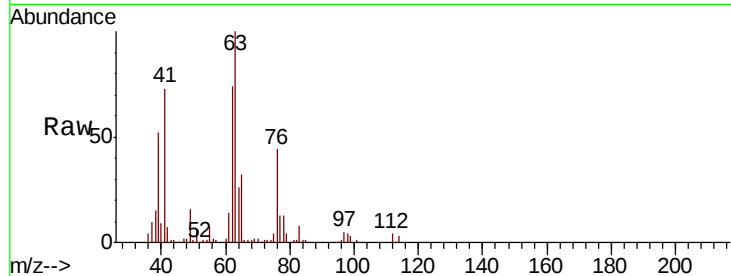




#45
 1,2-Dichloropropane
 Concen: 21.057 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW011333.D
 Acq: 18 Jul 2019 14:55

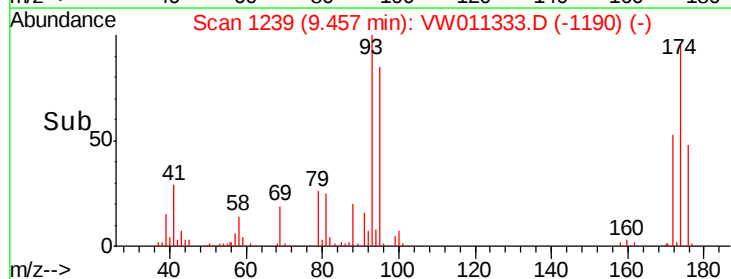
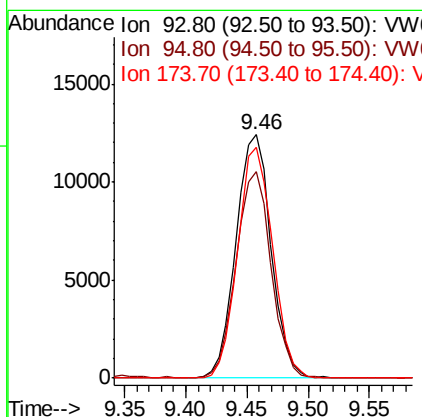
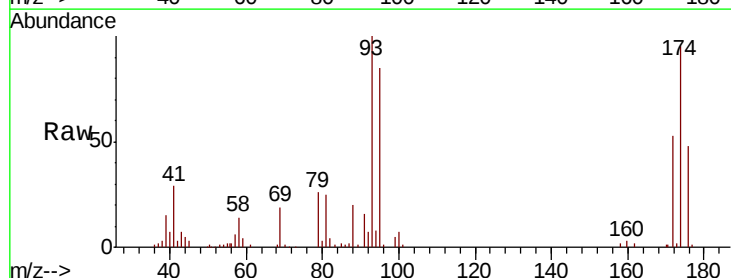
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0718SBS01

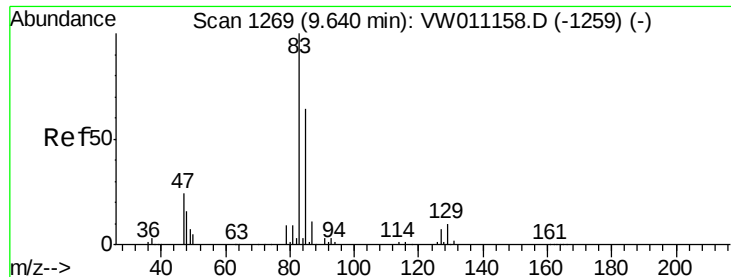
Tot Ion: 63 Resp: 53657
 Ion Ratio Lower Upper
 63 100
 65 32.0 24.4 36.6



#46
 Dibromomethane
 Concen: 20.684 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW011333.D
 Acq: 18 Jul 2019 14:55

Tgt Ion: 93 Resp: 24759
 Ion Ratio Lower Upper
 93 100
 95 84.5 67.2 100.8
 174 94.3 76.3 114.5





#47

Bromodichloromethane

Concen: 20.198 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW011333.D

Acq: 18 Jul 2019 14:55

Instrument :

MSVOA_W

ClientSampleId :

VW0718SBSD01

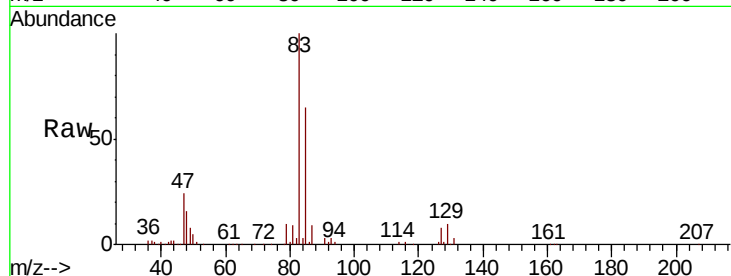
Tot Ion: 83 Resp: 61864

Ion Ratio Lower Upper

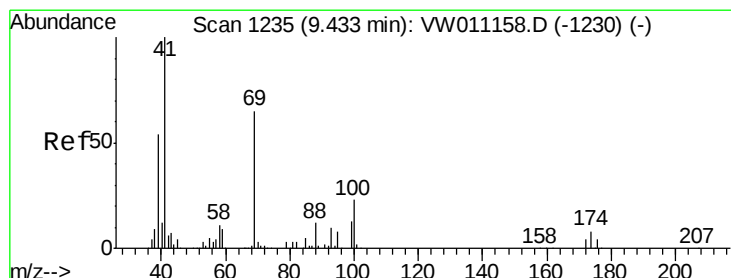
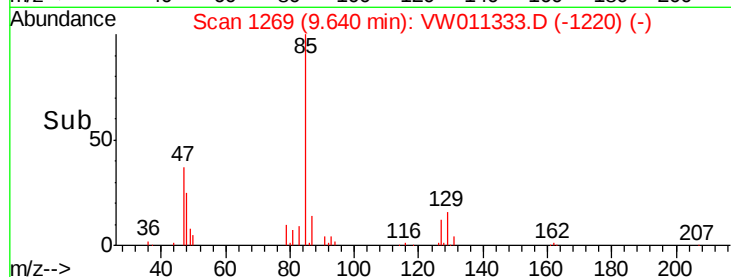
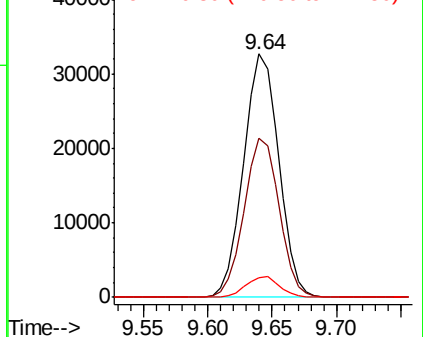
83 100

85 65.1 51.0 76.4

127 7.9 6.0 9.0



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



#48

Methyl methacrylate

Concen: 19.543 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW011333.D

Acq: 18 Jul 2019 14:55

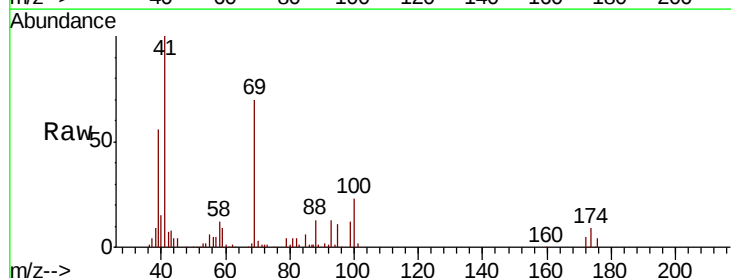
Tgt Ion: 41 Resp: 36315

Ion Ratio Lower Upper

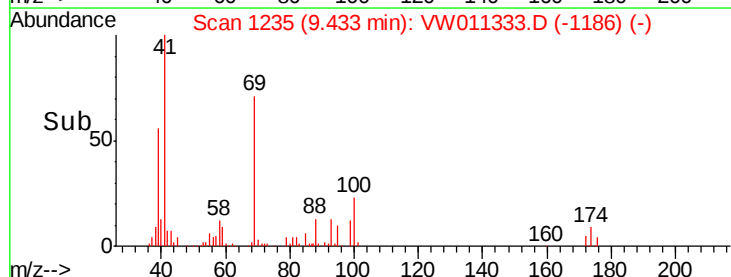
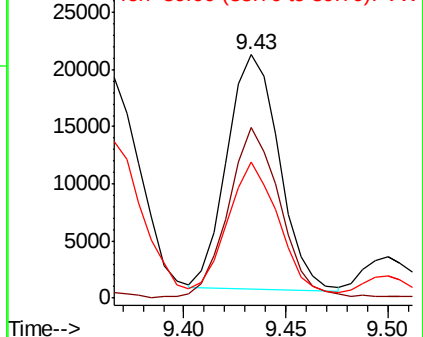
41 100

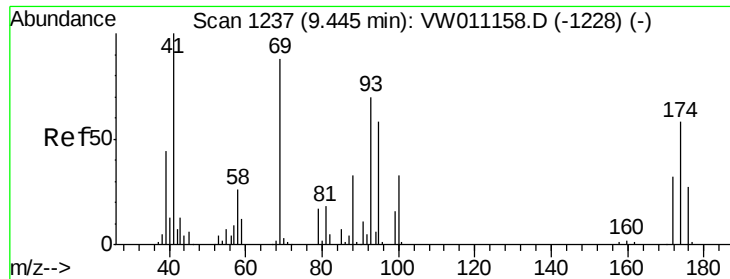
69 72.2 56.0 84.0

39 53.5 43.5 65.3



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

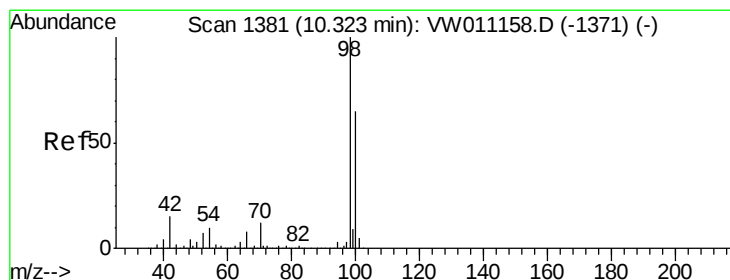
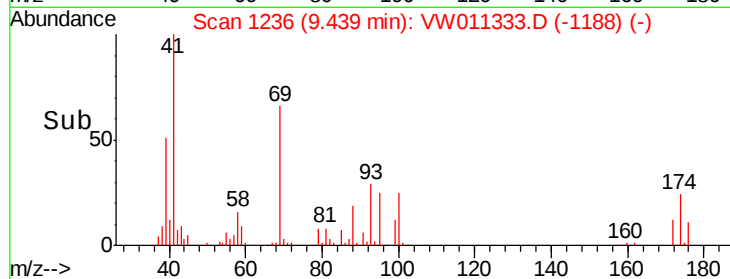
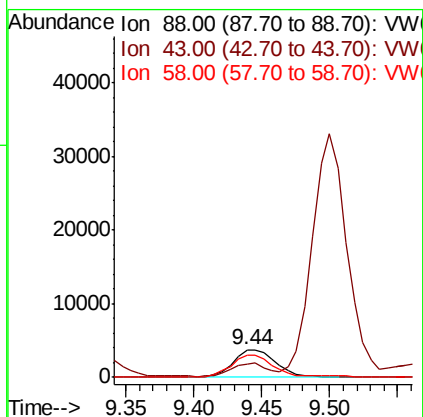
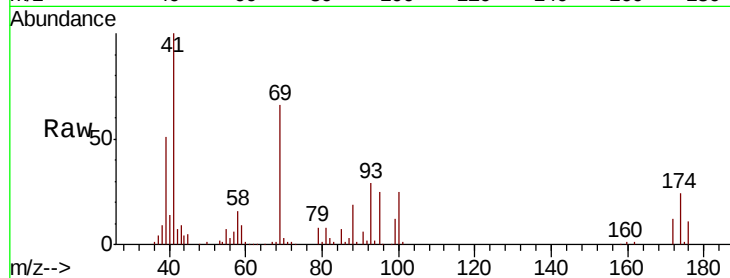




#49
1,4-Dioxane
Concen: 410.348 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.01 min
Lab File: VW011333.D
Acq: 18 Jul 2019 14:55

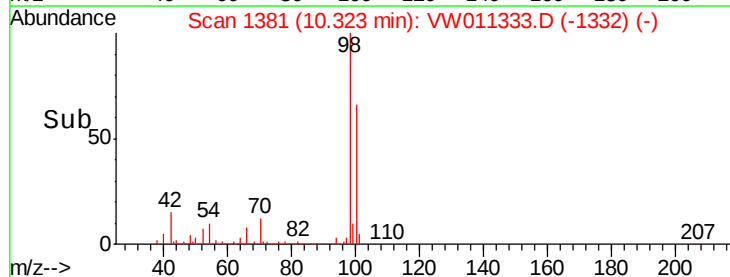
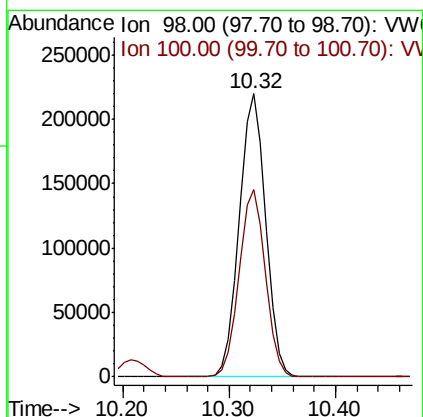
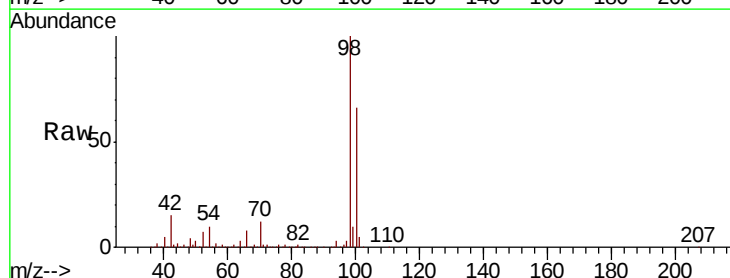
Instrument :
MSVOA_W
ClientSampleId :
VW0718SBSD01

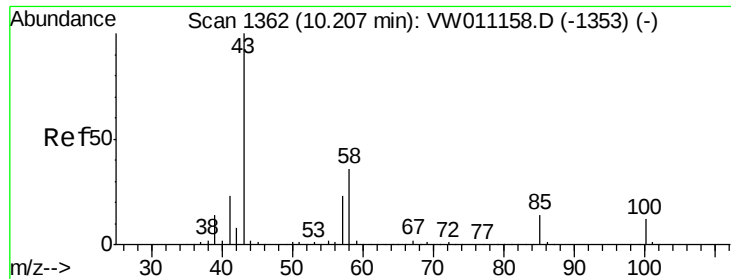
Tot Ion: 88 Resp: 8199
Ion Ratio Lower Upper
88 100
43 44.3 33.4 50.0
58 86.3 64.5 96.7



#50
Toluene-d8
Concen: 49.768 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011333.D
Acq: 18 Jul 2019 14:55

Tgt Ion: 98 Resp: 383400
Ion Ratio Lower Upper
98 100
100 65.9 52.4 78.6

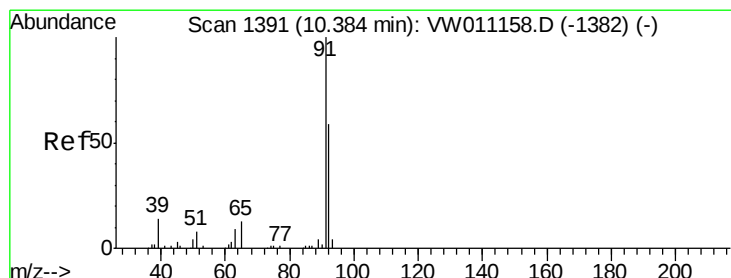
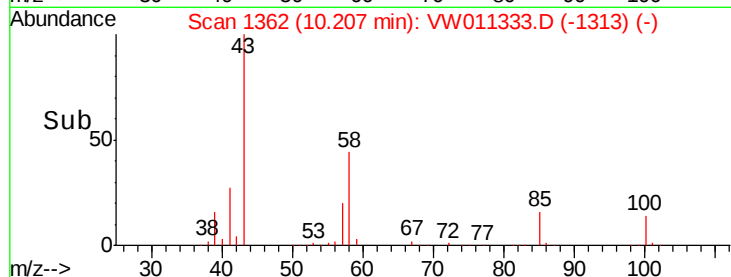
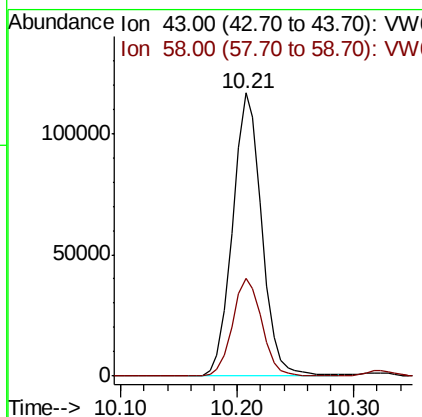
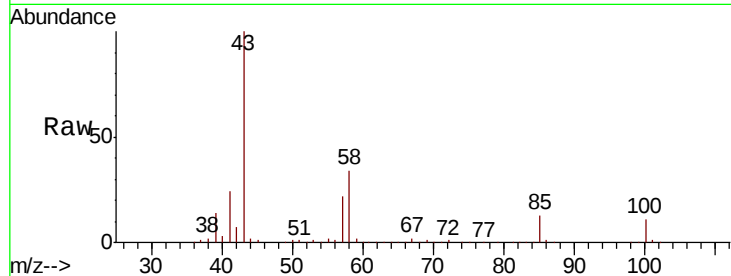




#51
4-Methyl-2-Pentanone
Concen: 100.500 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW011333.D
Acq: 18 Jul 2019 14:55

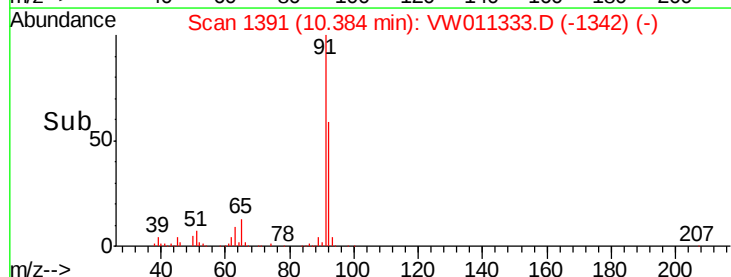
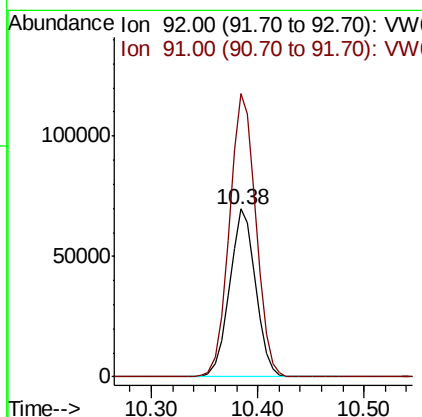
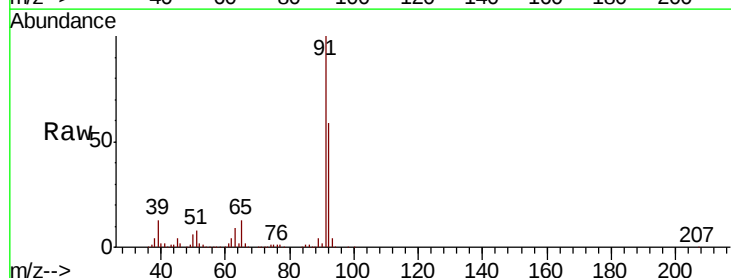
Instrument :
MSVOA_W
ClientSampleId :
VW0718SBS01

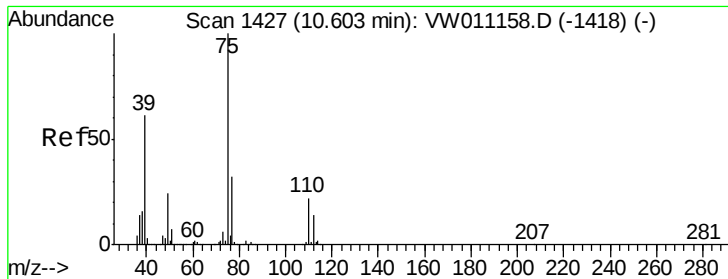
Tot Ion: 43 Resp: 202775
Ion Ratio Lower Upper
43 100
58 34.8 28.2 42.2



#52
Toluene
Concen: 20.937 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VW011333.D
Acq: 18 Jul 2019 14:55

Tgt Ion: 92 Resp: 119516
Ion Ratio Lower Upper
92 100
91 171.4 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 19.354 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011333.D

Acq: 18 Jul 2019 14:55

Instrument :

MSVOA_W

ClientSampleId :

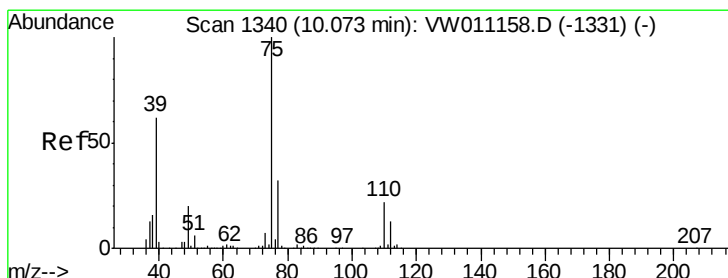
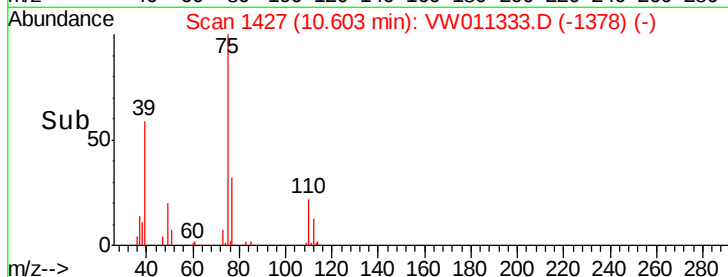
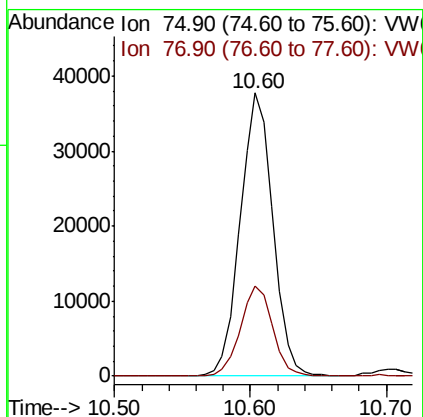
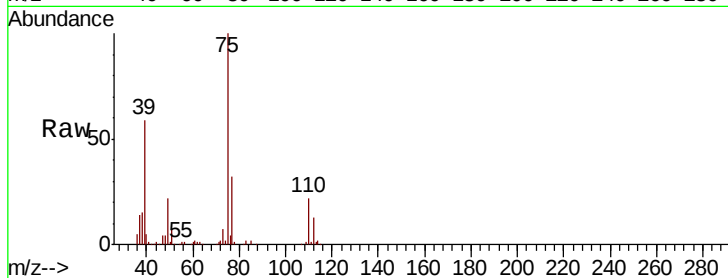
VW0718SBSD01

Tot Ion: 75 Resp: 63098

Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 19.776 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW011333.D

Acq: 18 Jul 2019 14:55

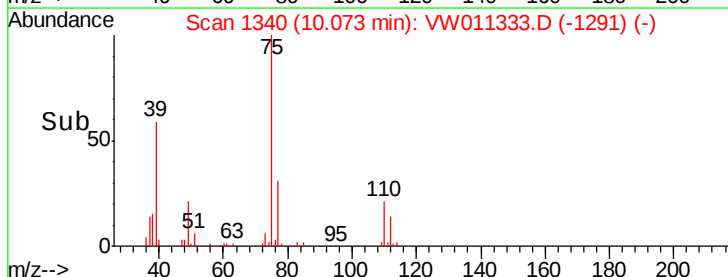
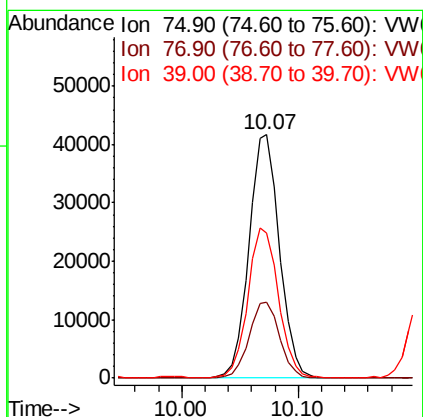
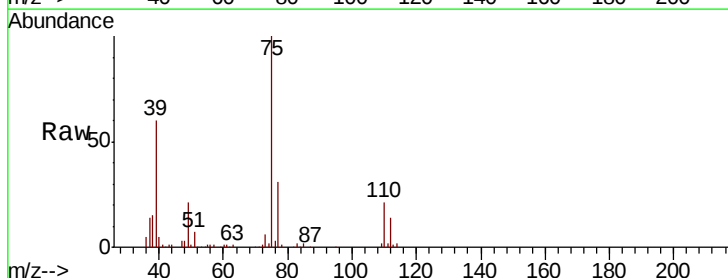
Tgt Ion: 75 Resp: 75888

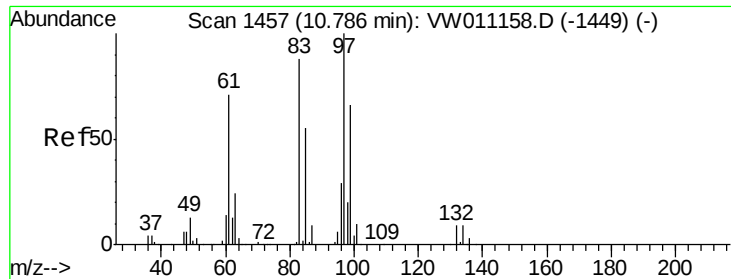
Ion Ratio Lower Upper

75 100

77 31.0 25.7 38.5

39 59.5 49.8 74.8

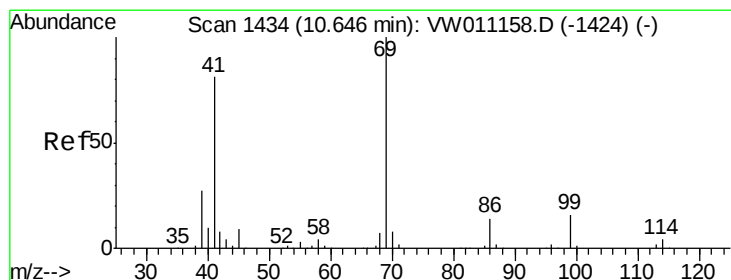
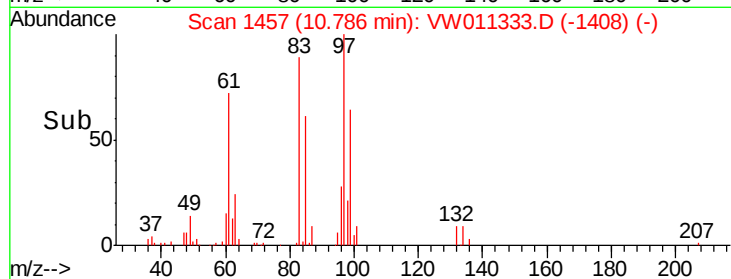
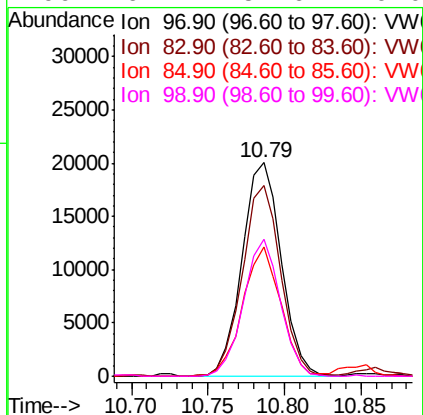
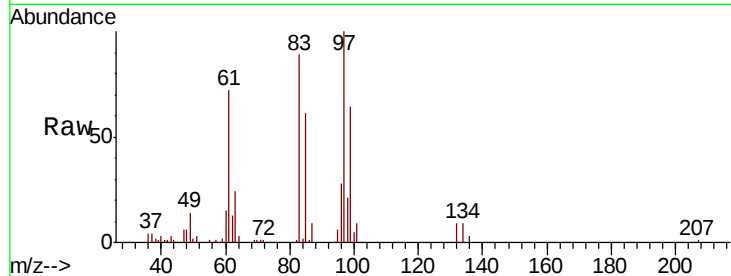




#55
 1,1,2-Trichloroethane
 Concen: 21.008 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW011333.D
 Acq: 18 Jul 2019 14:55

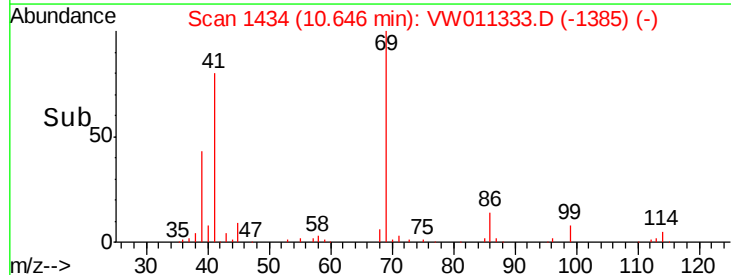
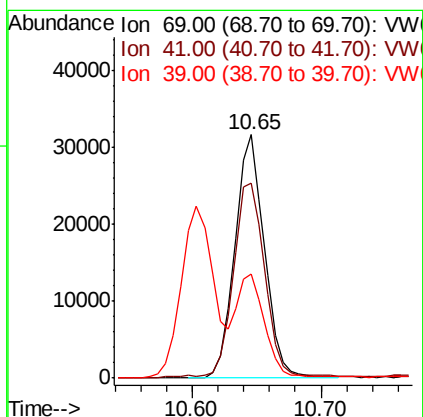
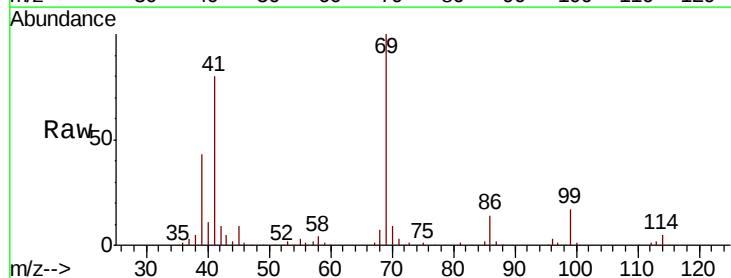
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0718SBSD01

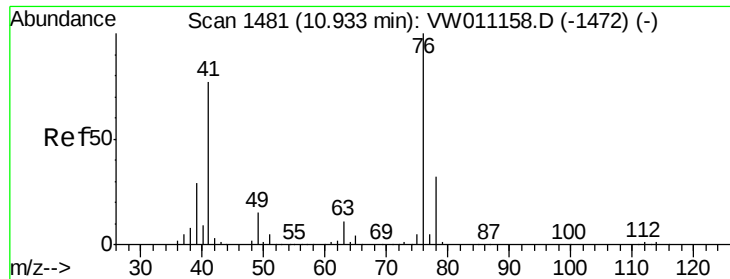
Tot Ion: 97 Resp: 35676
 Ion Ratio Lower Upper
 97 100
 83 89.1 70.2 105.4
 85 60.7 44.2 66.2
 99 64.2 52.6 79.0



#56
 Ethyl methacrylate
 Concen: 19.469 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW011333.D
 Acq: 18 Jul 2019 14:55

Tgt Ion: 69 Resp: 50335
 Ion Ratio Lower Upper
 69 100
 41 86.3 66.5 99.7
 39 40.7 32.5 48.7

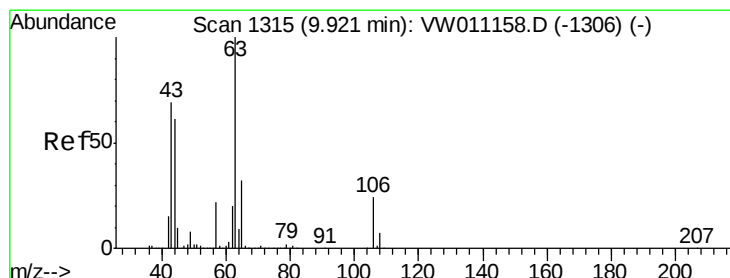
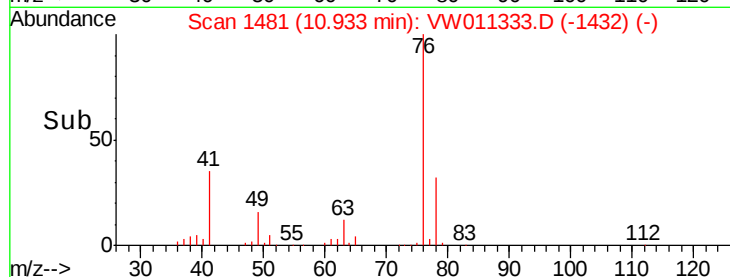
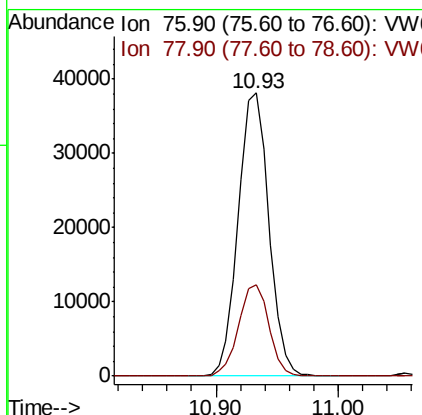
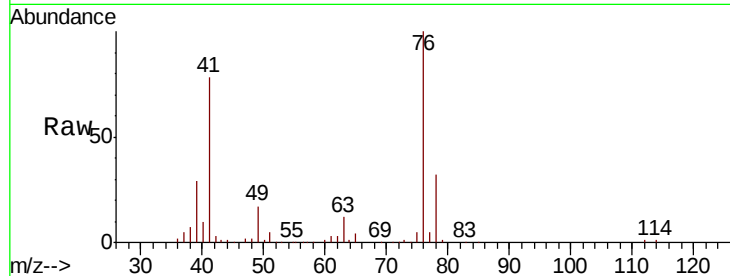




#57
 1,3-Dichloropropane
 Concen: 20.733 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011333.D
 Acq: 18 Jul 2019 14:55

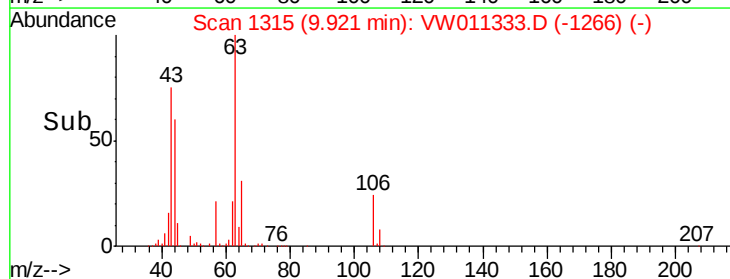
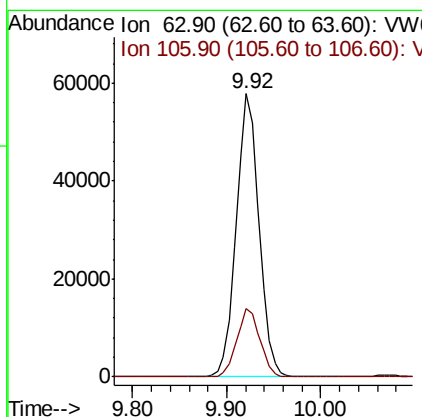
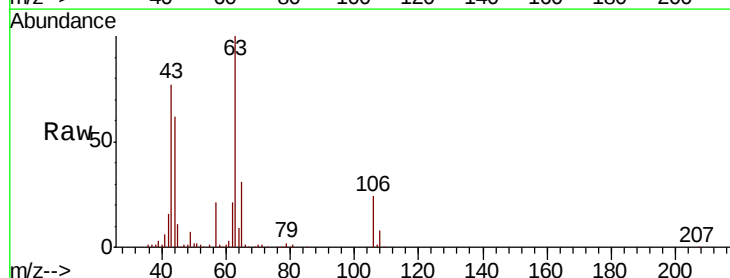
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0718SBSD01

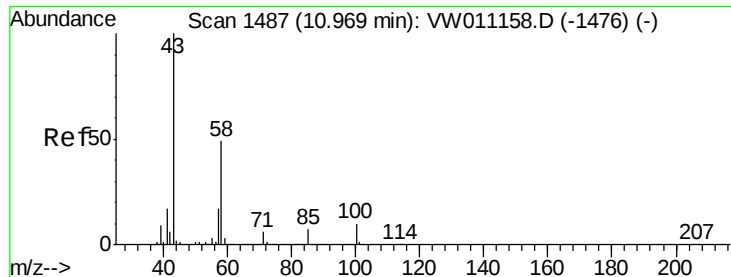
Tot Ion: 76 Resp: 66580
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 80.479 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW011333.D
 Acq: 18 Jul 2019 14:55

Tgt Ion: 63 Resp: 96463
 Ion Ratio Lower Upper
 63 100
 106 24.4 19.4 29.0





#59

2-Hexanone

Concen: 98.229 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW011333.D

Acq: 18 Jul 2019 14:55

Instrument :

MSVOA_W

ClientSampleId :

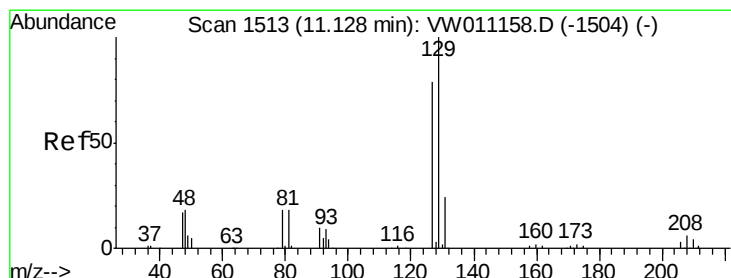
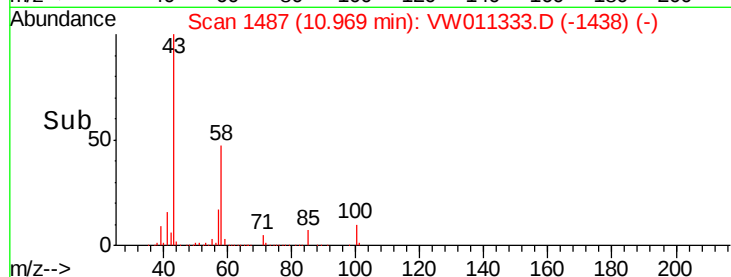
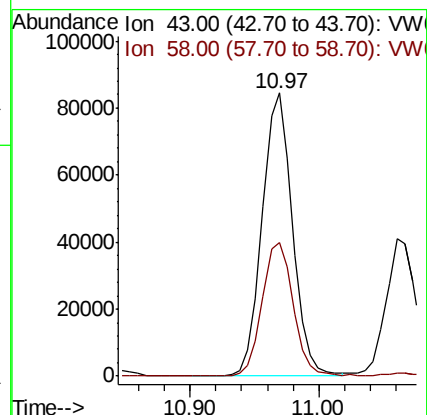
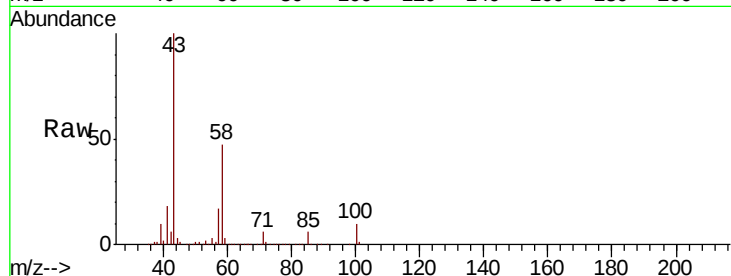
VW0718SBSD01

Tot Ion: 43 Resp: 137447

Ion Ratio Lower Upper

43 100

58 48.3 24.4 73.4



#60

Dibromochloromethane

Concen: 20.129 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW011333.D

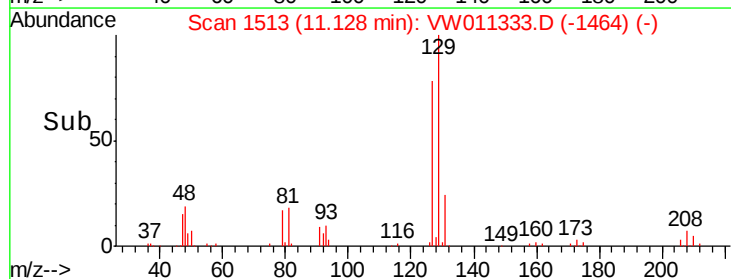
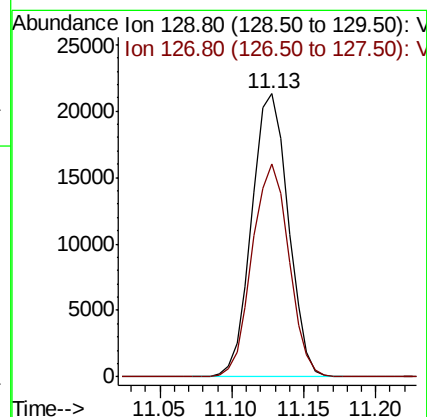
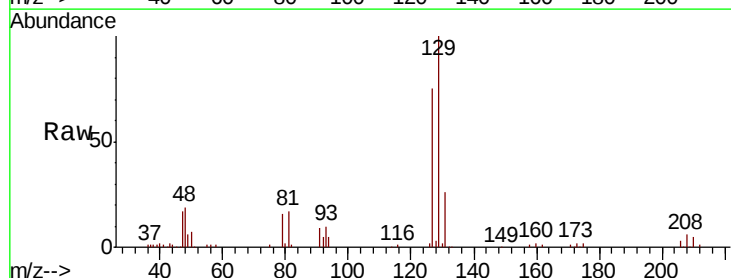
Acq: 18 Jul 2019 14:55

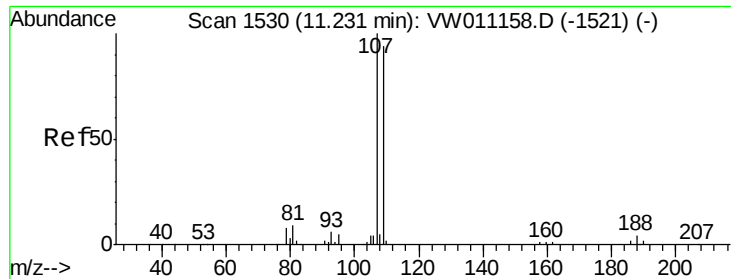
Tgt Ion: 129 Resp: 37484

Ion Ratio Lower Upper

129 100

127 75.5 39.1 117.3

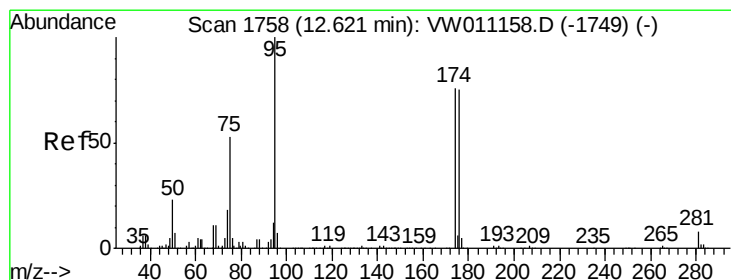
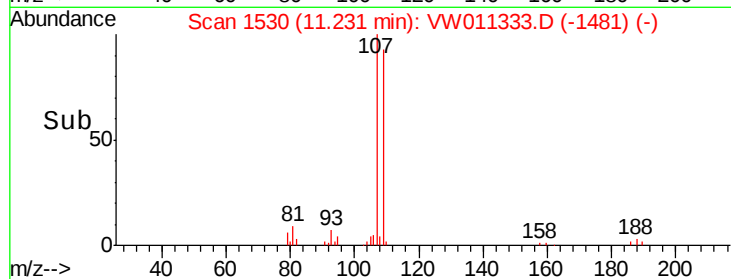
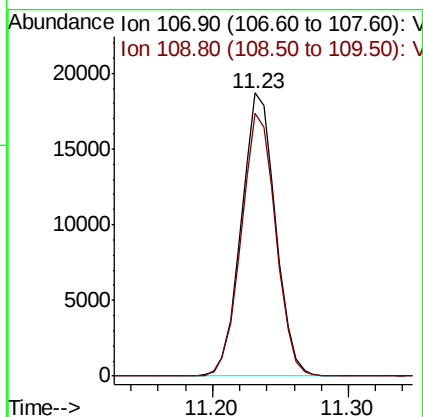
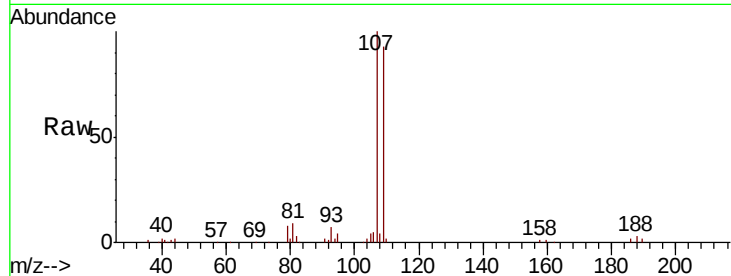




#61
 1,2-Dibromoethane
 Concen: 20.413 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW011333.D
 Acq: 18 Jul 2019 14:55

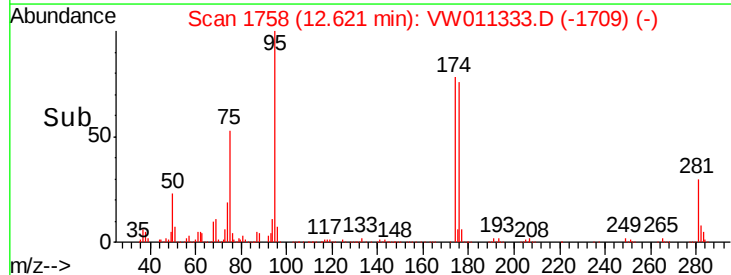
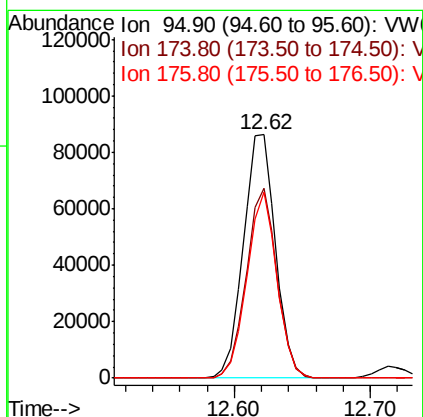
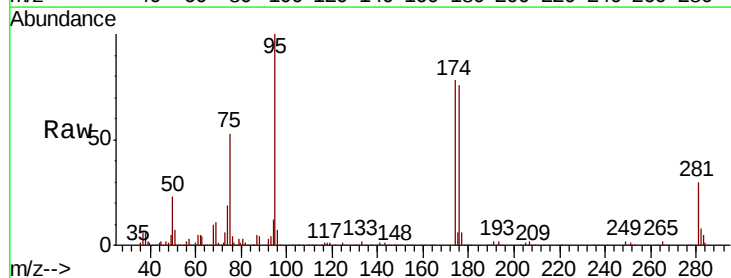
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0718SBSD01

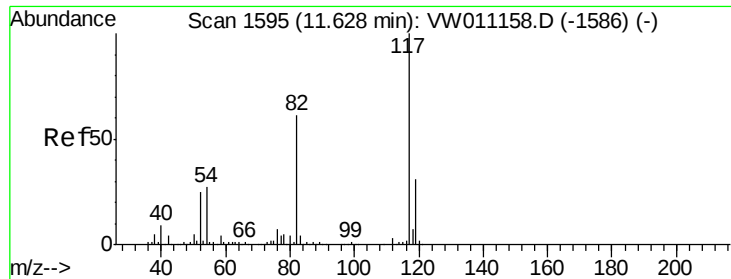
Tot Ion:107 Resp: 32836
 Ion Ratio Lower Upper
 107 100
 109 93.4 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 50.327 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW011333.D
 Acq: 18 Jul 2019 14:55

Tgt Ion: 95 Resp: 142108
 Ion Ratio Lower Upper
 95 100
 174 74.6 0.0 147.6
 176 71.6 0.0 144.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.01 min

Lab File: VW011333.D

Acq: 18 Jul 2019 14:55

Instrument :

MSVOA_W

ClientSampleId :

VW0718SBSD01

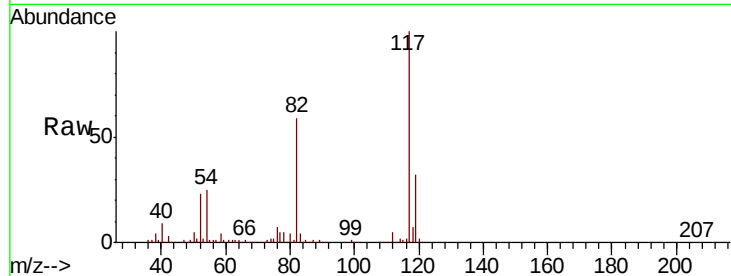
Tot Ion:117 Resp: 287441

Ion Ratio Lower Upper

117 100

82 58.9 48.9 73.3

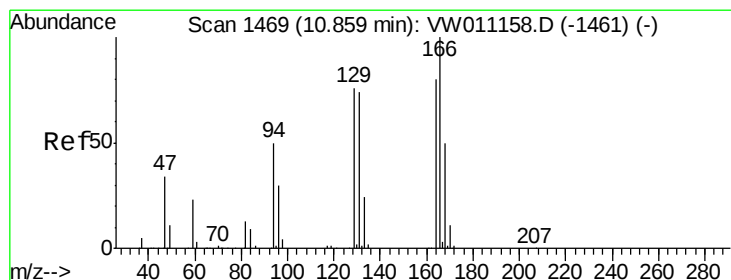
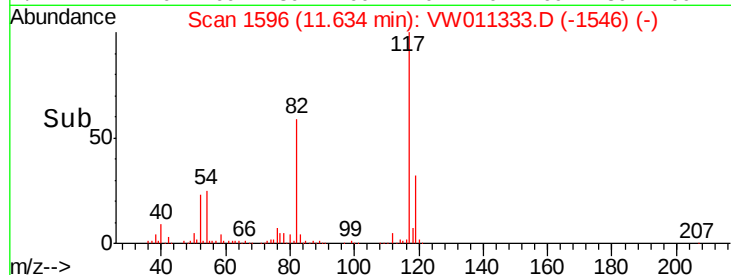
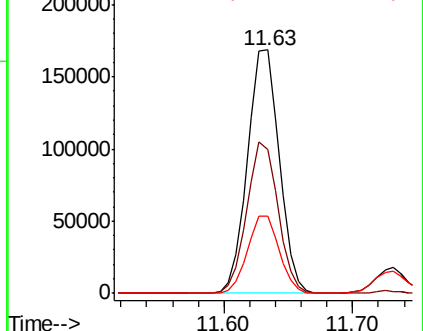
119 31.6 25.0 37.6



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: 20.375 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW011333.D

Acq: 18 Jul 2019 14:55

Tgt Ion:164 Resp: 39519

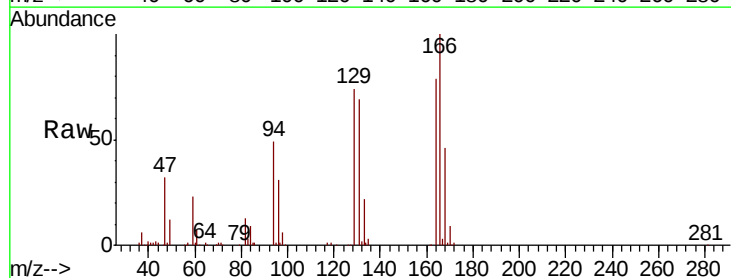
Ion Ratio Lower Upper

164 100

166 126.9 99.7 149.5

129 93.4 76.2 114.2

131 87.3 74.0 111.0

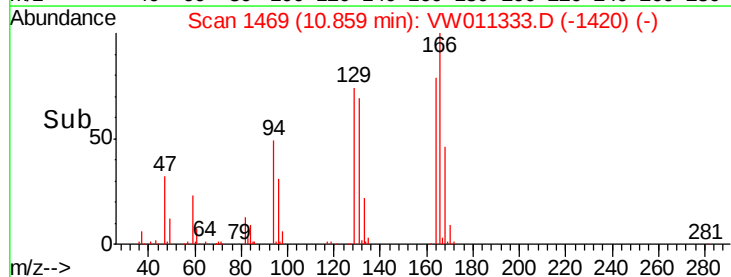
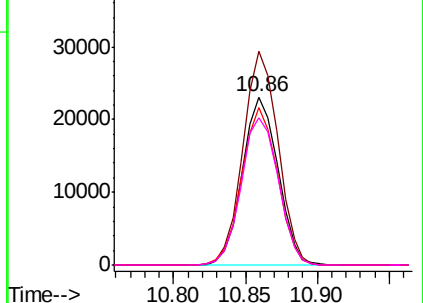


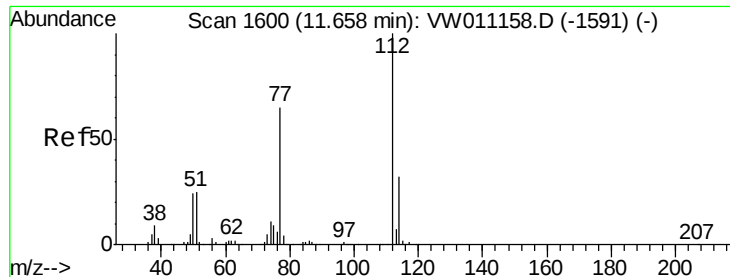
Abundance Ion 163.80 (163.50 to 164.50): V

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

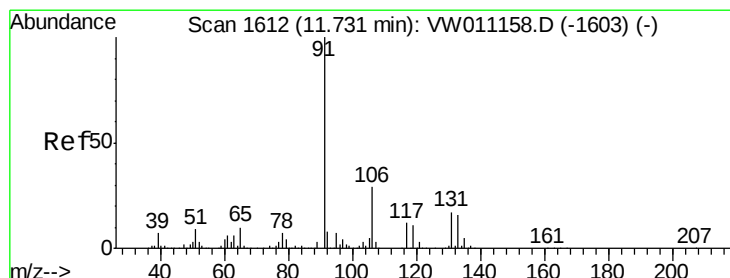
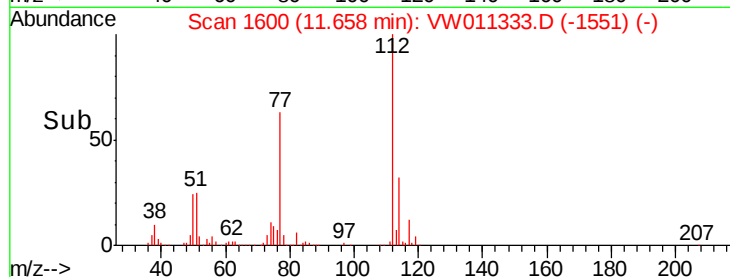
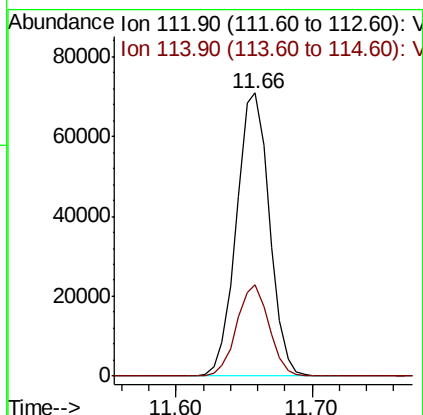
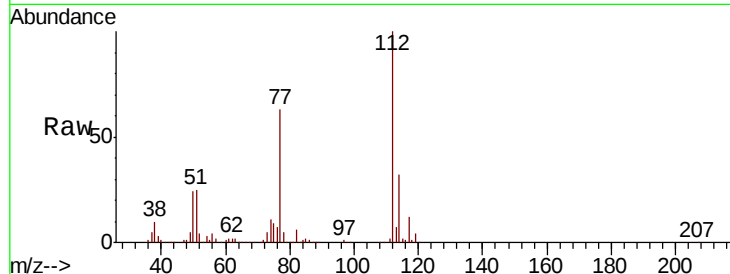




#65
Chlorobenzene
Concen: 20.527 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011333.D
Acq: 18 Jul 2019 14:55

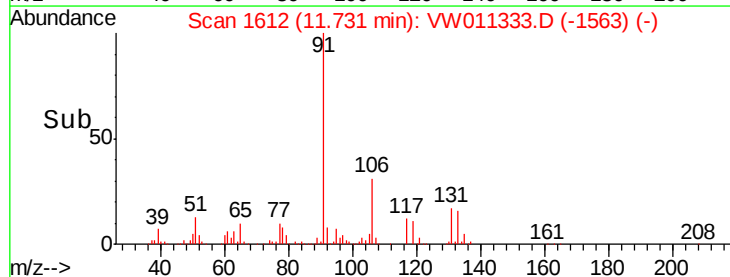
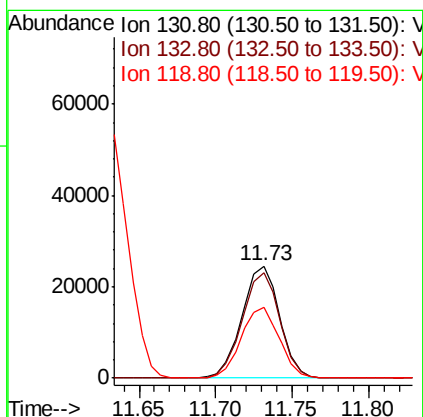
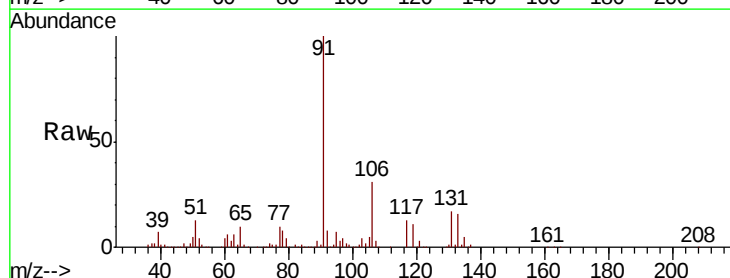
Instrument :
MSVOA_W
ClientSampleId :
VW0718SBSD01

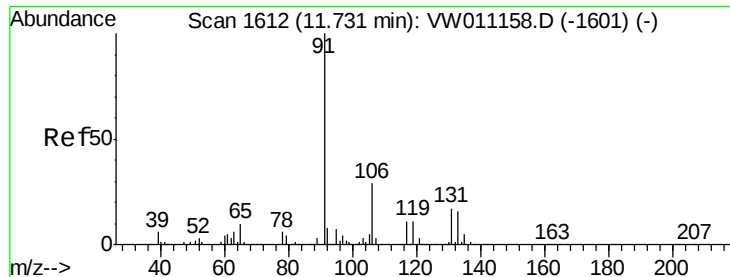
Tot Ion:112 Resp: 119961
Ion Ratio Lower Upper
112 100
114 32.4 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 20.295 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011333.D
Acq: 18 Jul 2019 14:55

Tgt Ion:131 Resp: 41761
Ion Ratio Lower Upper
131 100
133 94.3 47.9 143.8
119 64.2 33.1 99.2

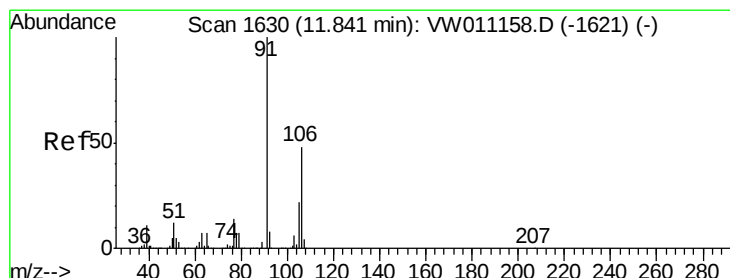
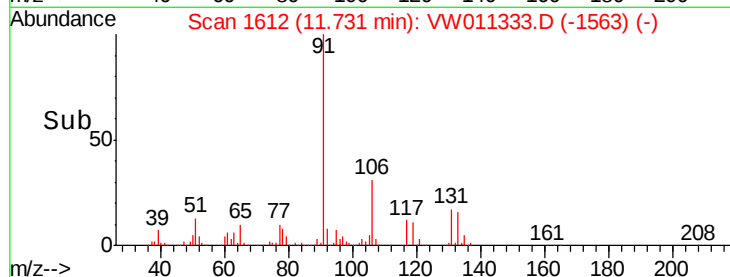
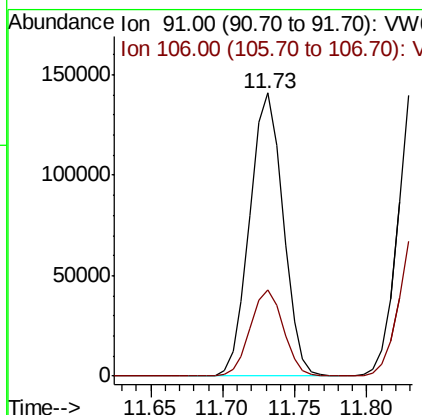
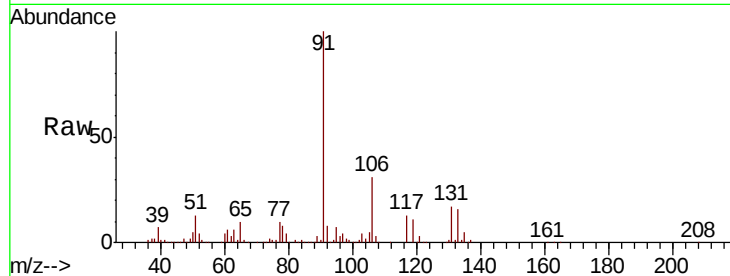




#67
Ethyl Benzene
Concen: 20.219 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011333.D
Acq: 18 Jul 2019 14:55

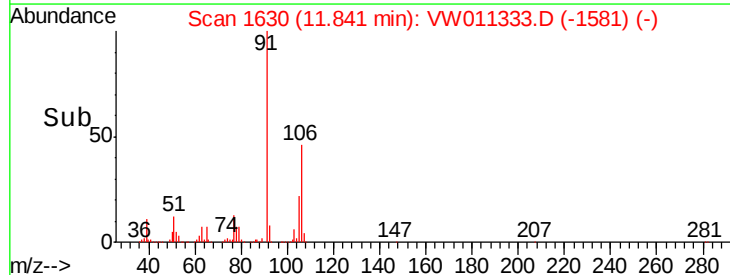
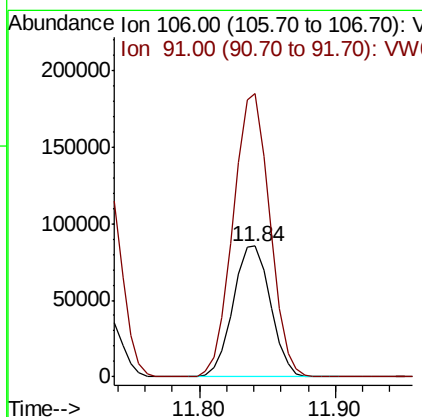
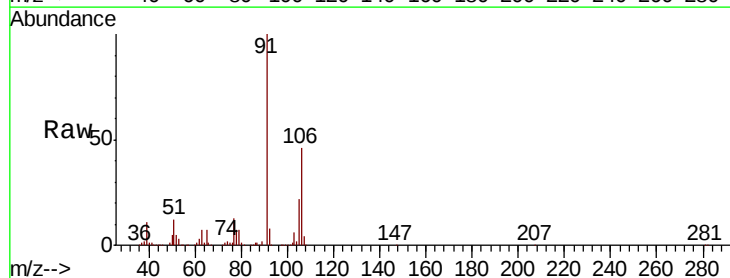
Instrument :
MSVOA_W
ClientSampleId :
VW0718SBS01

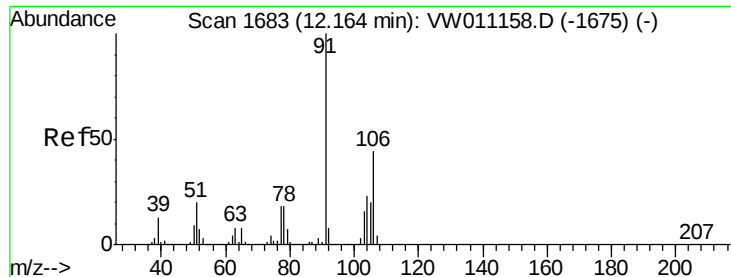
Tot Ion: 91 Resp: 226200
Ion Ratio Lower Upper
91 100
106 30.7 23.5 35.3



#68
m/p-Xylenes
Concen: 40.661 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW011333.D
Acq: 18 Jul 2019 14:55

Tgt Ion: 106 Resp: 164602
Ion Ratio Lower Upper
106 100
91 211.1 167.7 251.5

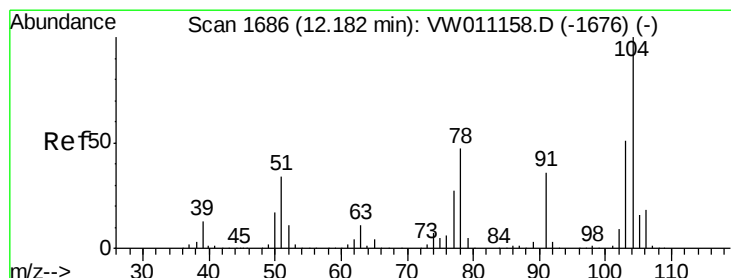
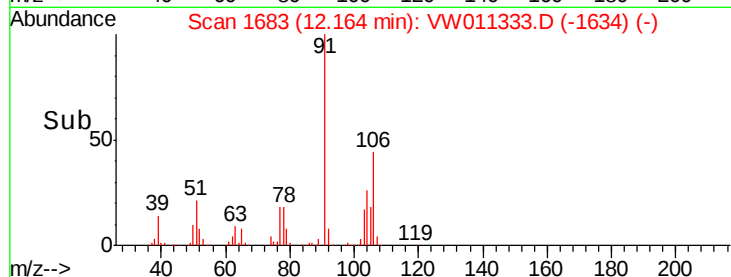
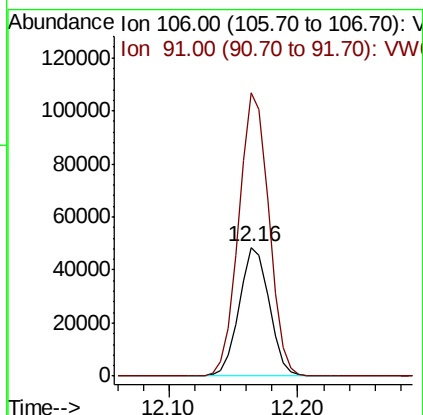
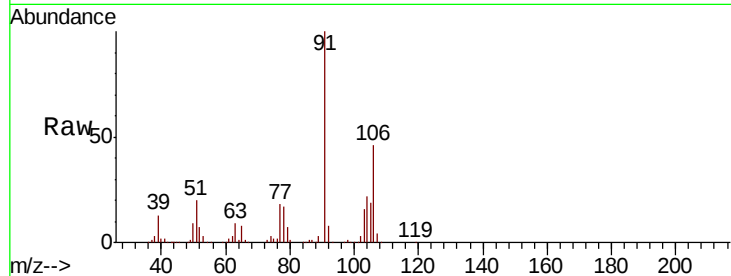




#69
o-Xylene
Concen: 20.445 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011333.D
Acq: 18 Jul 2019 14:55

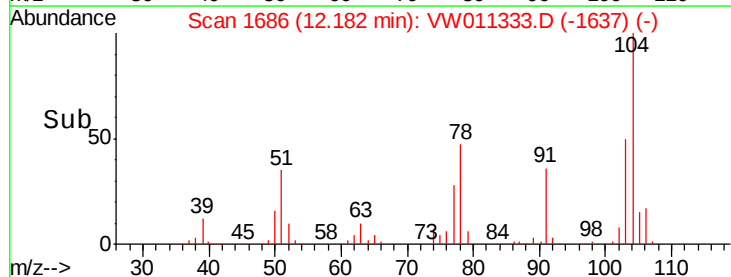
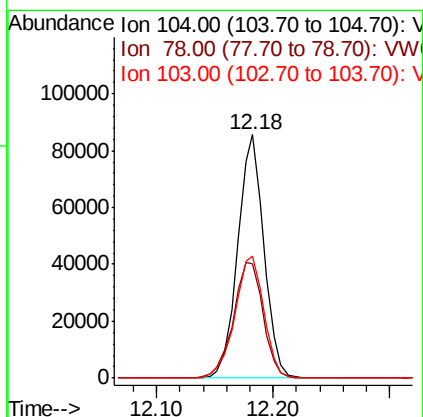
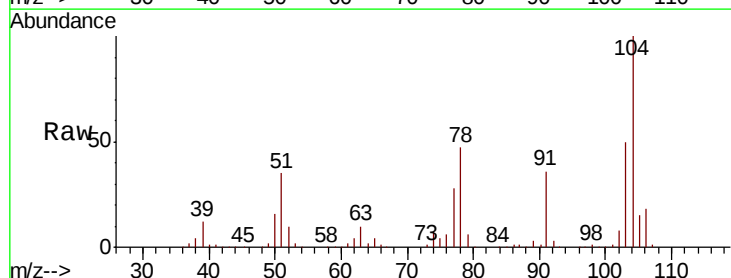
Instrument :
MSVOA_W
ClientSampleId :
VW0718SBSD01

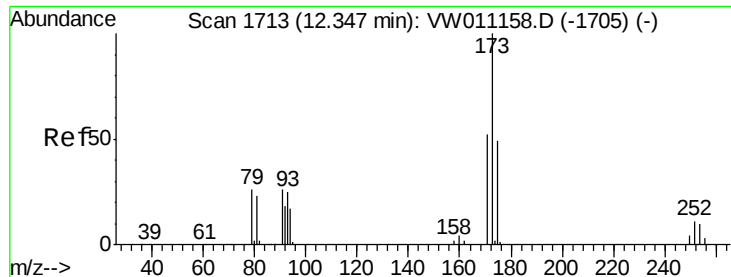
Tot Ion:106 Resp: 78007
Ion Ratio Lower Upper
106 100
91 221.3 110.7 332.1



#70
Styrene
Concen: 20.384 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011333.D
Acq: 18 Jul 2019 14:55

Tgt Ion:104 Resp: 134222
Ion Ratio Lower Upper
104 100
78 54.2 43.1 64.7
103 55.6 44.1 66.1

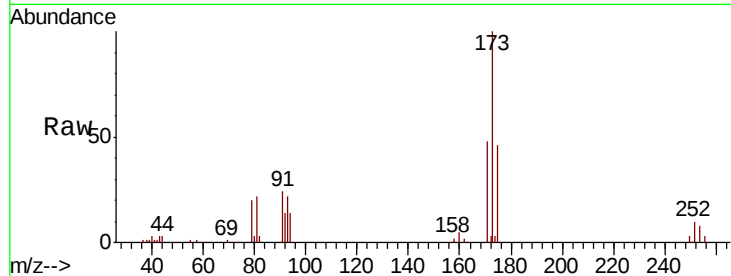




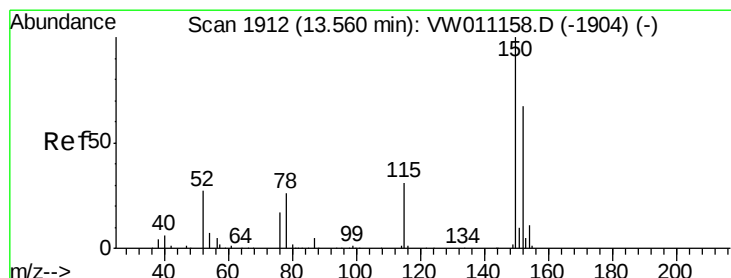
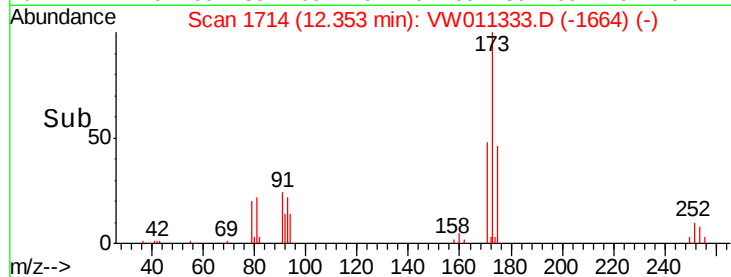
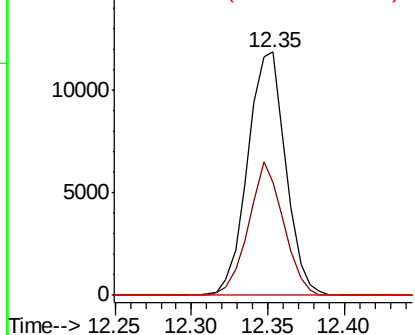
#71
Bromoform
Concen: 18.708 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.01 min
Lab File: VW011333.D
Acq: 18 Jul 2019 14:55

Instrument :
MSVOA_W
ClientSampleId :
VW0718SBS01

Tot Ion:173 Resp: 20467
Ion Ratio Lower Upper
173 100
175 50.1 24.8 74.3
254 0.0 0.0 0.0

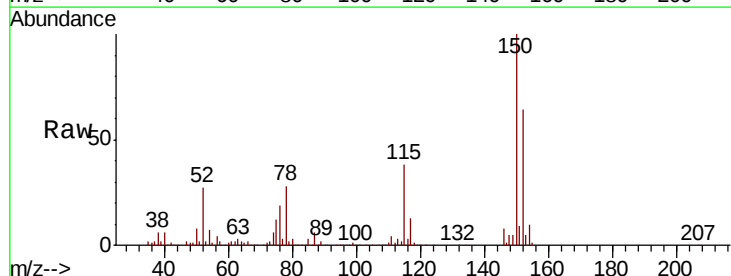


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

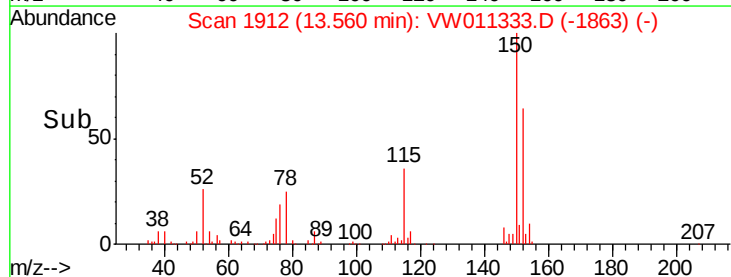
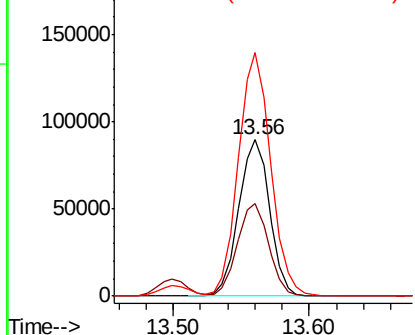


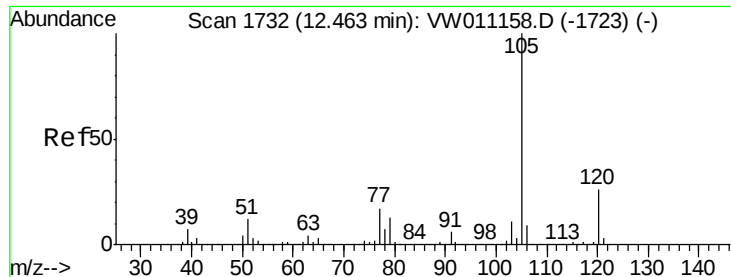
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011333.D
Acq: 18 Jul 2019 14:55

Tgt Ion:152 Resp: 142566
Ion Ratio Lower Upper
152 100
115 60.3 30.1 90.3
150 162.7 0.0 346.0



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: 19.851 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011333.D

Acq: 18 Jul 2019 14:55

Instrument :

MSVOA_W

ClientSampleId :

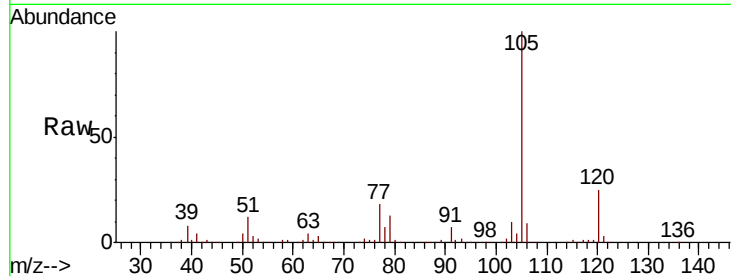
VW0718SBS01

Tot Ion:105 Resp: 211563

Ion Ratio Lower Upper

105 100

120 25.5 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

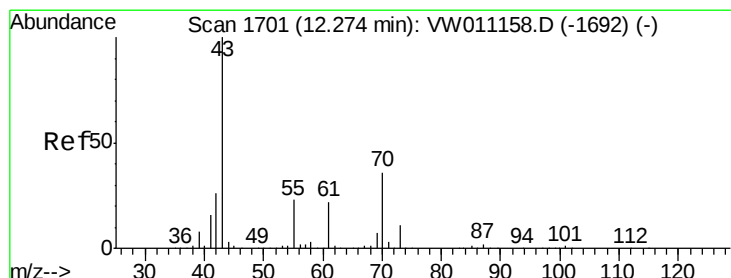
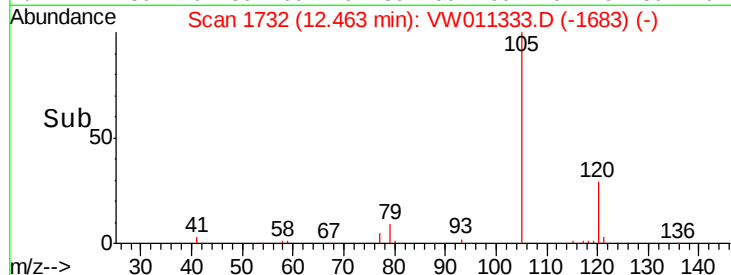
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 19.084 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW011333.D

Acq: 18 Jul 2019 14:55

Tgt Ion: 43 Resp: 70835

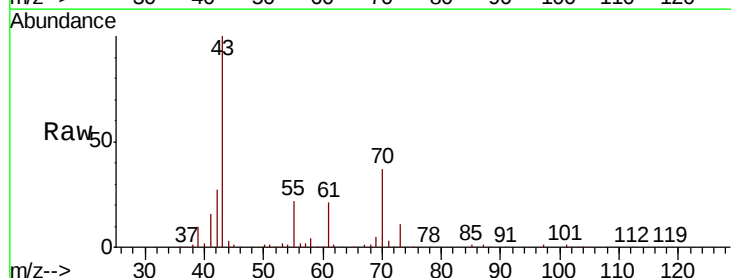
Ion Ratio Lower Upper

43 100

70 36.1 28.5 42.7

55 23.6 18.1 27.1

61 21.5 17.2 25.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

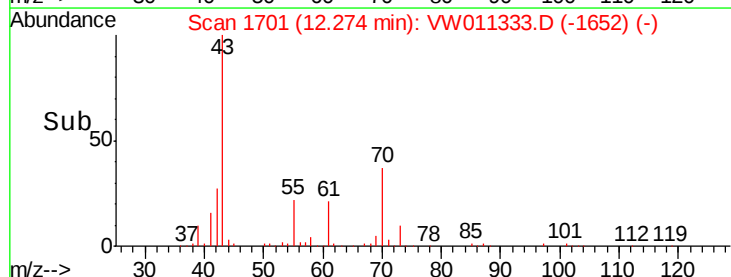
60000

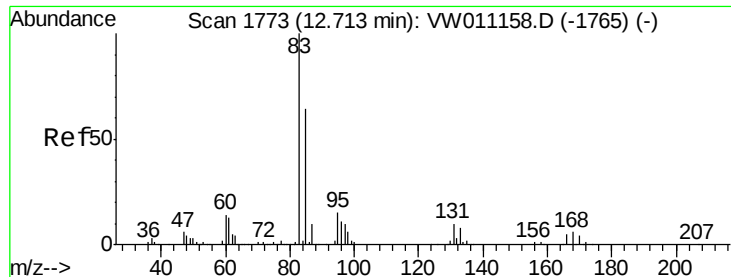
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.486 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011333.D

Acq: 18 Jul 2019 14:55

Instrument :

MSVOA_W

ClientSampleId :

VW0718SBSD01

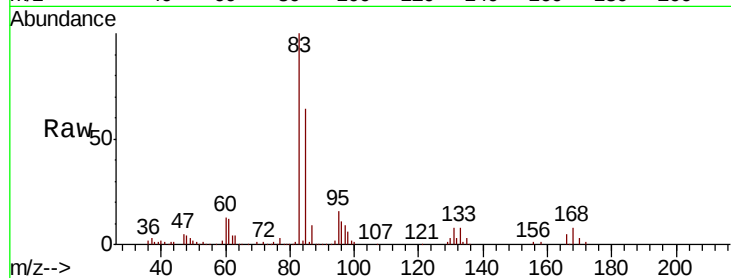
Tot Ion: 83 Resp: 42570

Ion Ratio Lower Upper

83 100

131 9.3 5.0 15.0

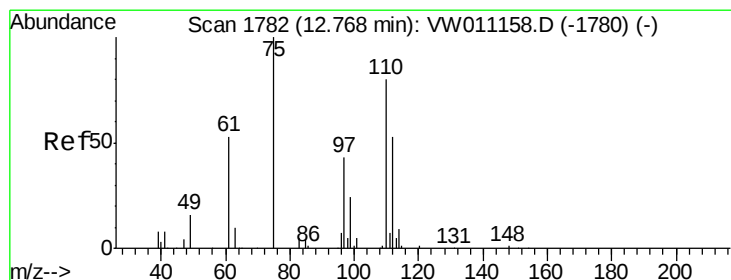
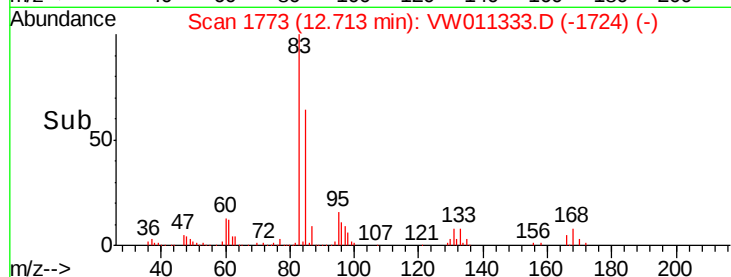
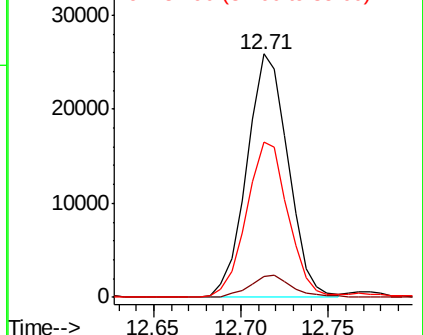
85 64.2 31.6 94.8



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: 33.467 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW011333.D

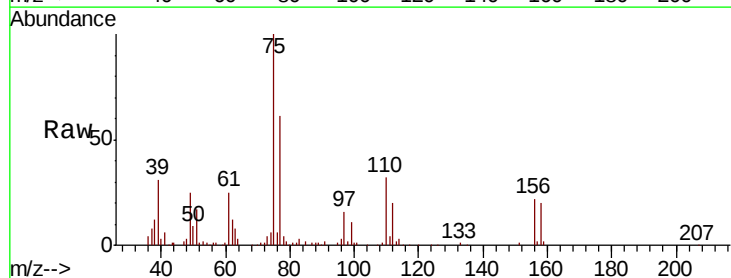
Acq: 18 Jul 2019 14:55

Tgt Ion: 75 Resp: 55138

Ion Ratio Lower Upper

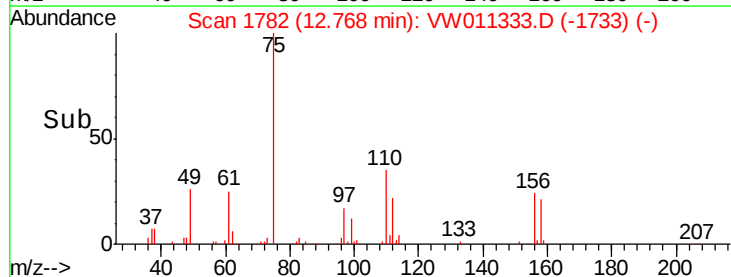
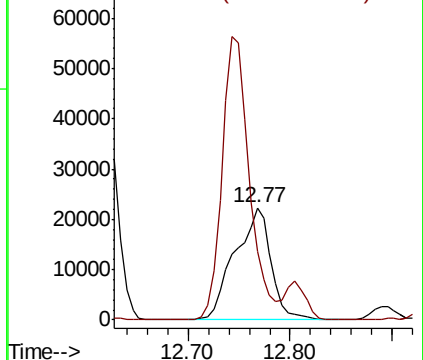
75 100

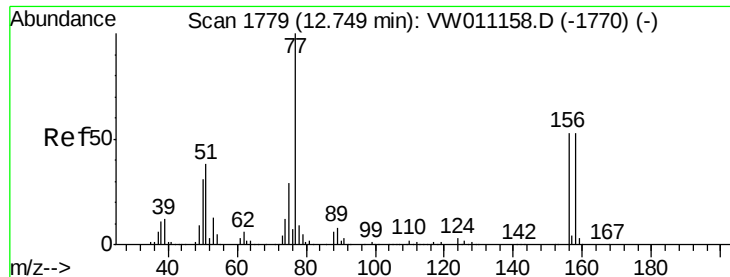
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

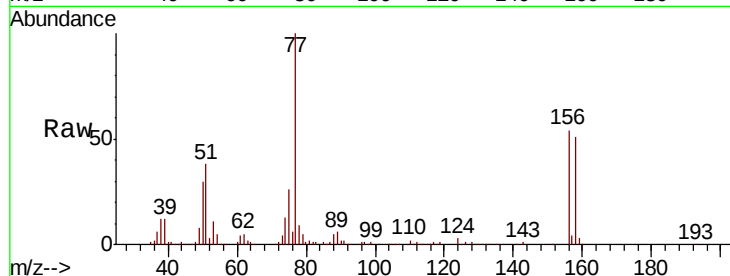




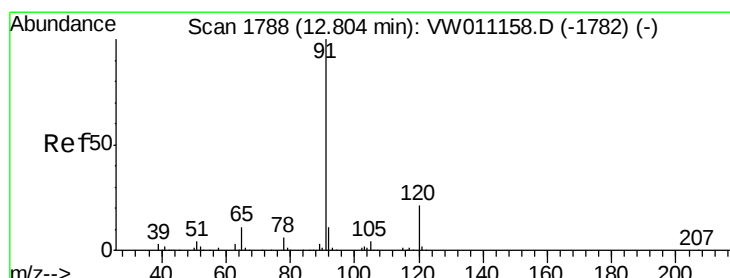
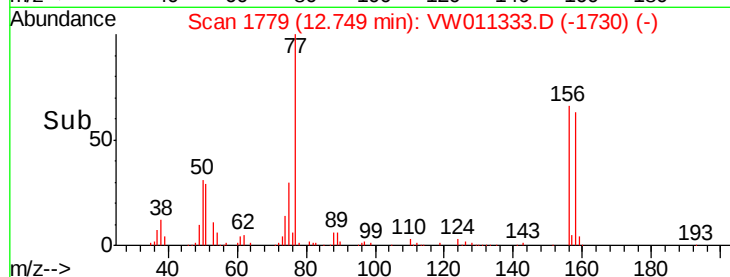
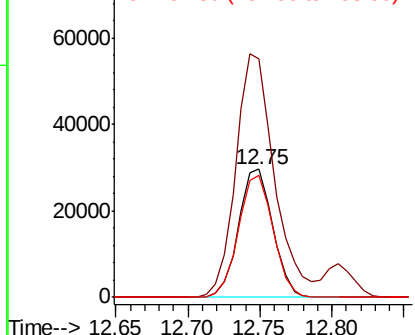
#77
Bromobenzene
Concen: 20.445 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW011333.D
Acq: 18 Jul 2019 14:55

Instrument :
MSVOA_W
ClientSampleId :
VW0718SBSD01

Tot Ion:156 Resp: 48899
Ion Ratio Lower Upper
156 100
77 213.8 109.0 327.0
158 95.8 48.8 146.3

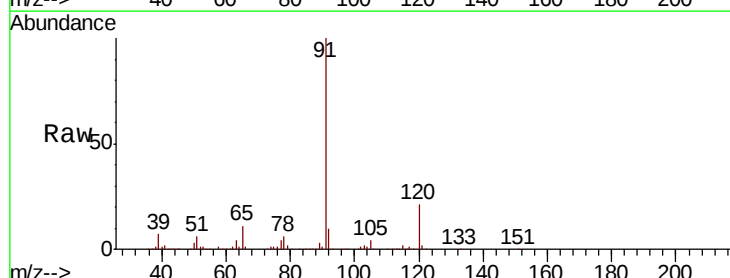


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VW
Ion 157.80 (157.50 to 158.50): V

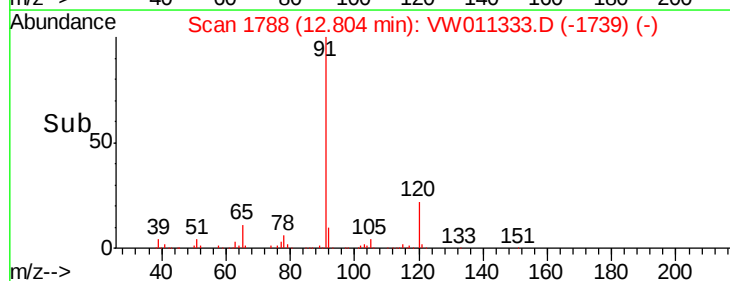
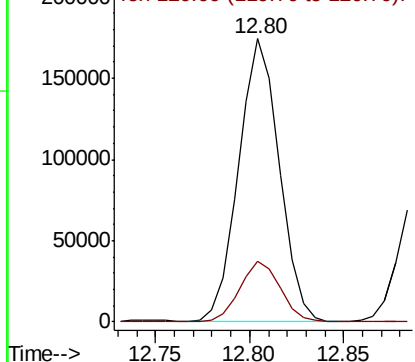


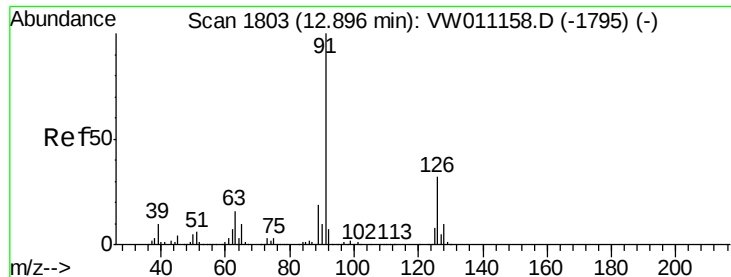
#78
n-propylbenzene
Concen: 19.840 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW011333.D
Acq: 18 Jul 2019 14:55

Tgt Ion: 91 Resp: 260470
Ion Ratio Lower Upper
91 100
120 21.5 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.245 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW011333.D

Acq: 18 Jul 2019 14:55

Instrument :

MSVOA_W

ClientSampleId :

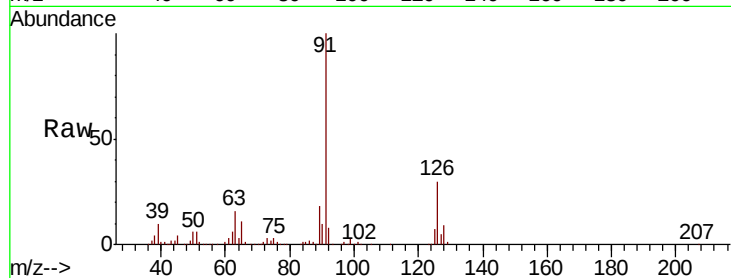
VW0718SBSD01

Tot Ion: 91 Resp: 152943

Ion Ratio Lower Upper

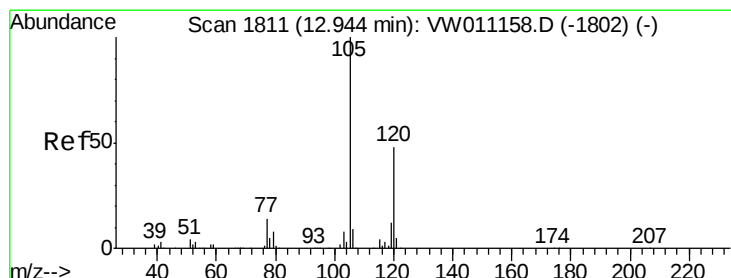
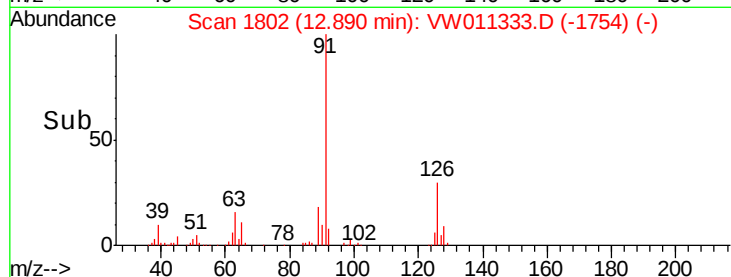
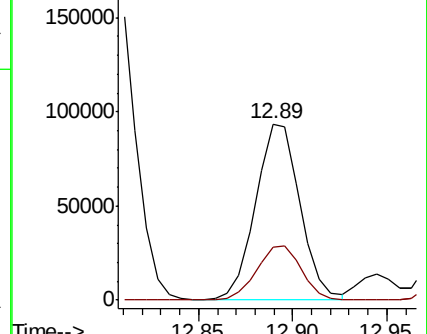
91 100

126 31.2 15.8 47.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.018 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW011333.D

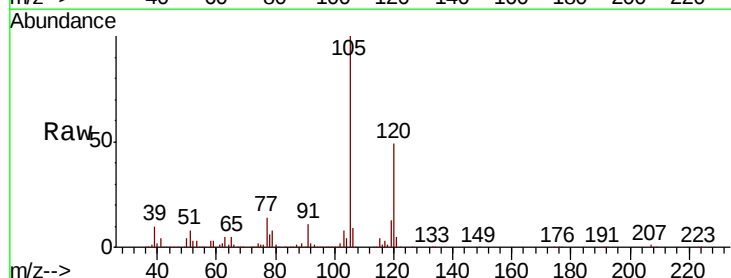
Acq: 18 Jul 2019 14:55

Tgt Ion:105 Resp: 181242

Ion Ratio Lower Upper

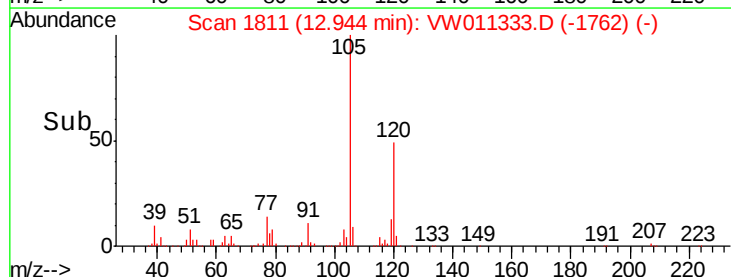
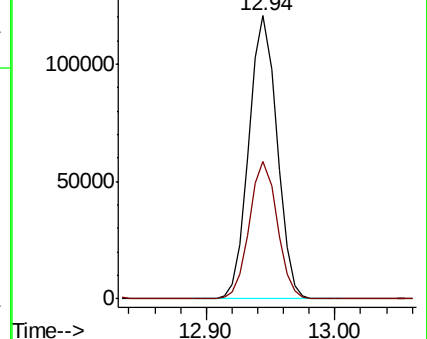
105 100

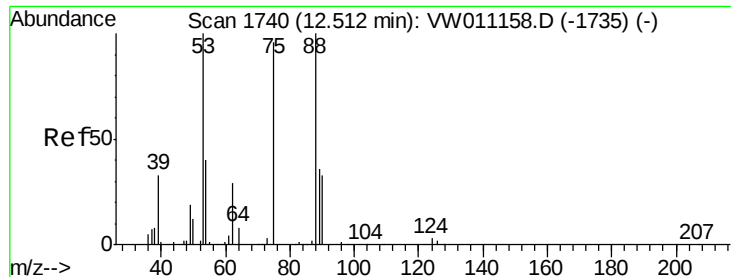
120 48.3 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 16.064 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW011333.D

Acq: 18 Jul 2019 14:55

Instrument :

MSVOA_W

ClientSampleId :

VW0718SBS01

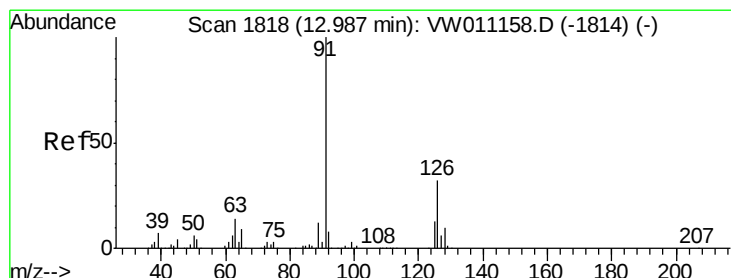
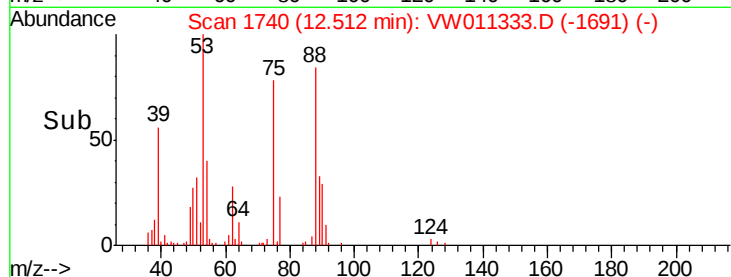
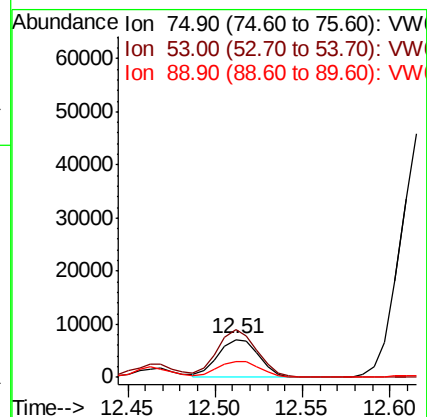
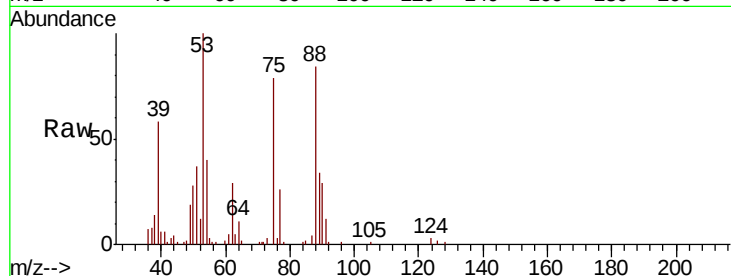
Tot Ion: 75 Resp: 11701

Ion Ratio Lower Upper

75 100

53 121.3 89.8 134.6

89 44.1 34.3 51.5



#82

4-Chlorotoluene

Concen: 20.292 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW011333.D

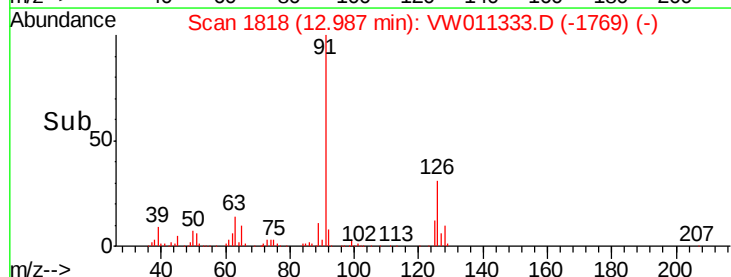
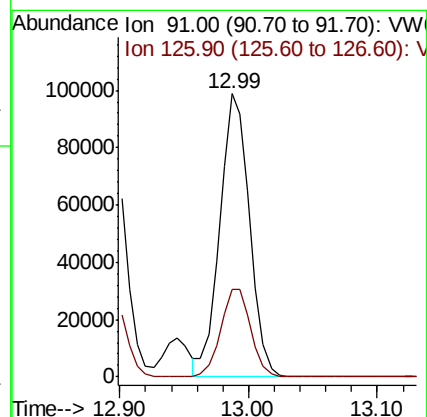
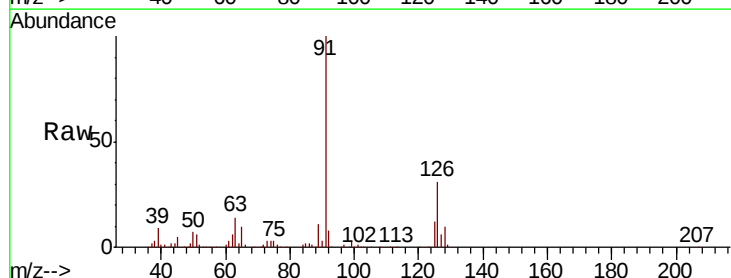
Acq: 18 Jul 2019 14:55

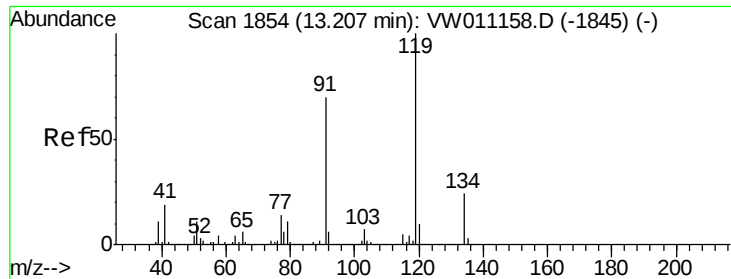
Tgt Ion: 91 Resp: 159671

Ion Ratio Lower Upper

91 100

126 31.4 15.7 47.1

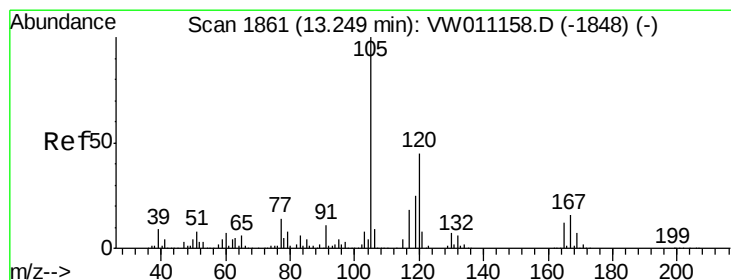
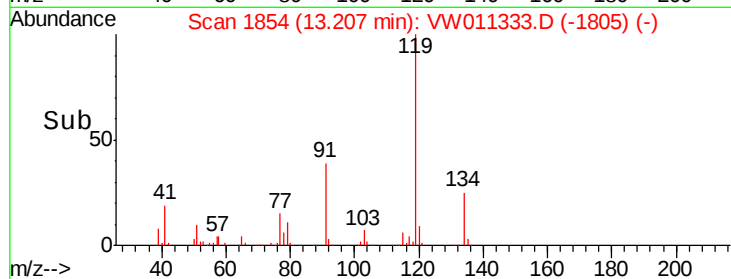
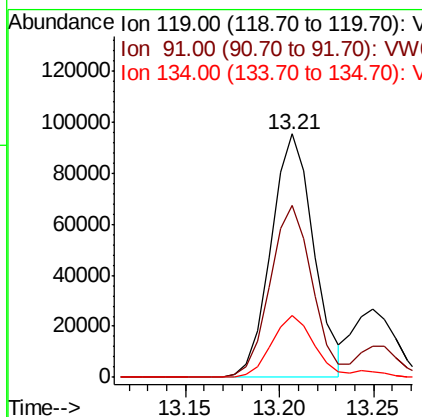
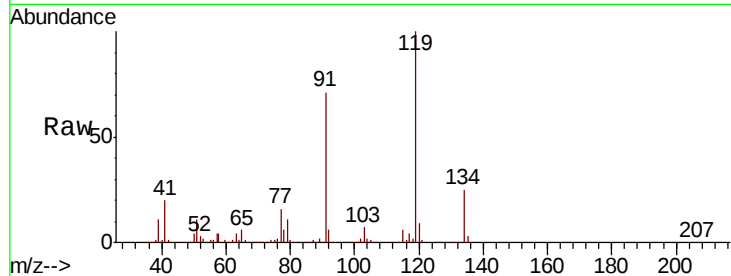




#83
tert-Butylbenzene
Concen: 19.825 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW011333.D
Acq: 18 Jul 2019 14:55

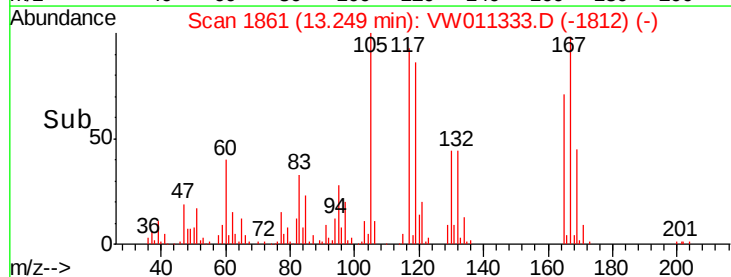
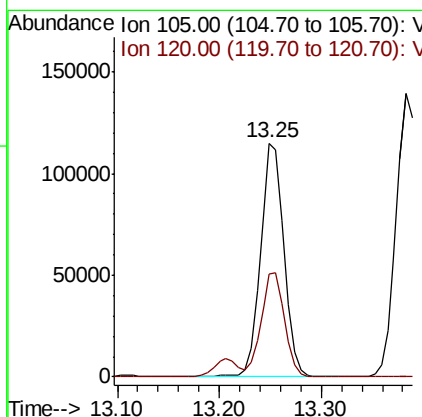
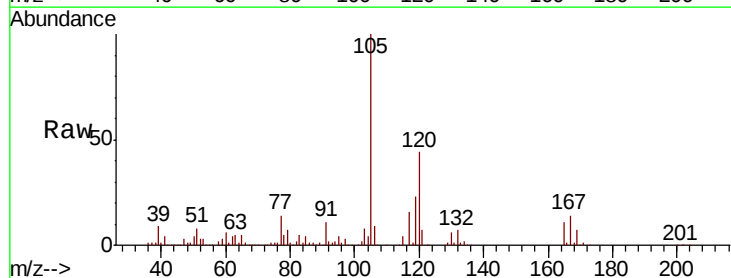
Instrument :
MSVOA_W
ClientSampleId :
VW0718SBS01

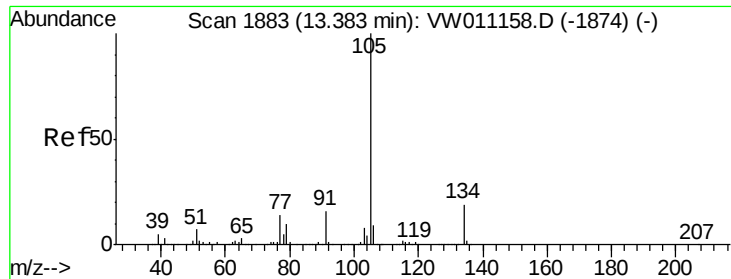
Tot Ion:119 Resp: 149697
Ion Ratio Lower Upper
119 100
91 69.7 35.4 106.3
134 25.2 13.4 40.2



#84
1,2,4-Trimethylbenzene
Concen: 20.265 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW011333.D
Acq: 18 Jul 2019 14:55

Tgt Ion:105 Resp: 184238
Ion Ratio Lower Upper
105 100
120 44.3 22.3 66.9

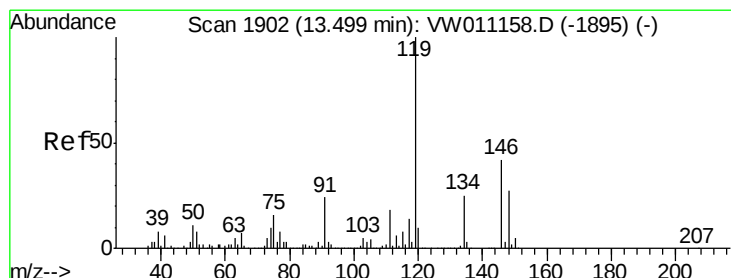
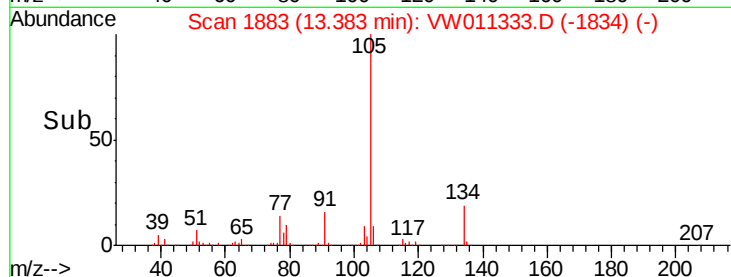
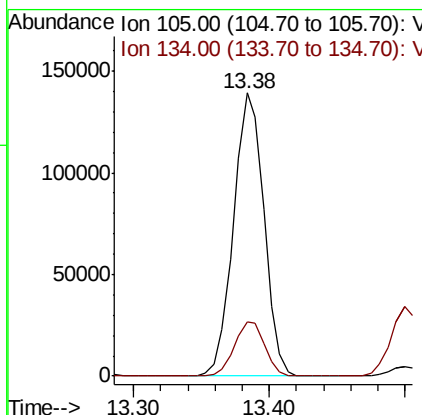
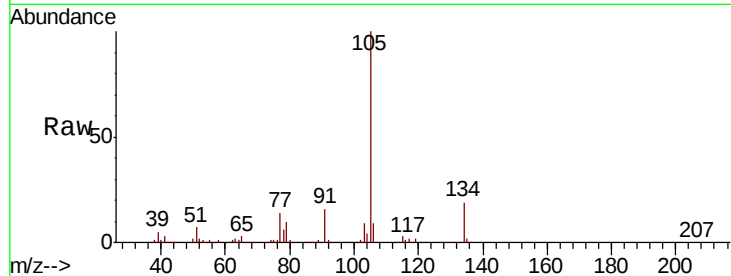




#85
 sec-Butylbenzene
 Concen: 19.893 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW011333.D
 Acq: 18 Jul 2019 14:55

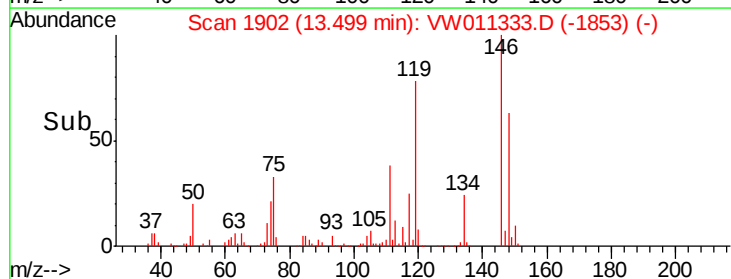
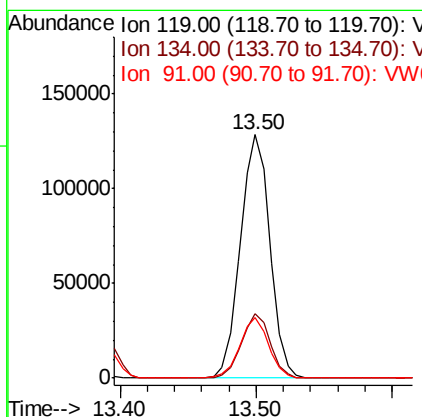
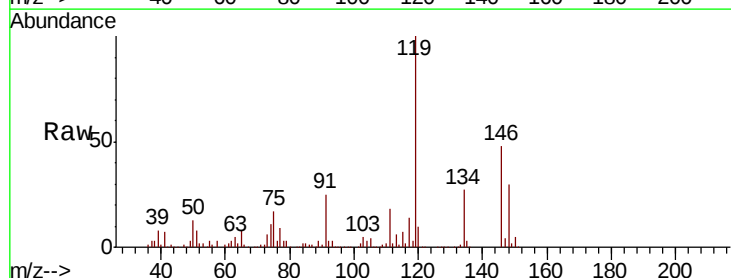
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0718SBS01

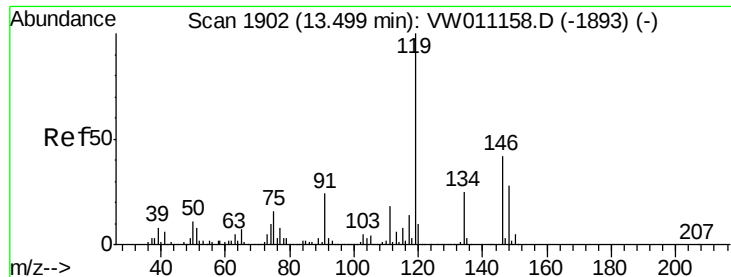
Tot Ion:105 Resp: 216743
 Ion Ratio Lower Upper
 105 100
 134 19.0 9.7 28.9



#86
 p-Isopropyltoluene
 Concen: 19.868 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011333.D
 Acq: 18 Jul 2019 14:55

Tgt Ion:119 Resp: 194162
 Ion Ratio Lower Upper
 119 100
 134 26.0 12.9 38.6
 91 24.2 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 20.677 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011333.D

Acq: 18 Jul 2019 14:55

Instrument :

MSVOA_W

ClientSampleId :

VW0718SBSD01

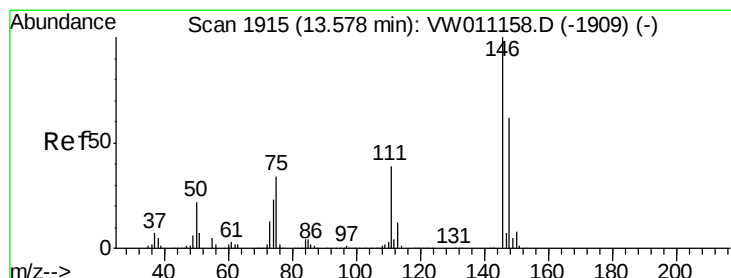
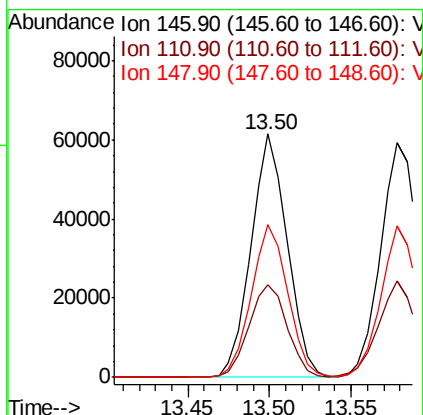
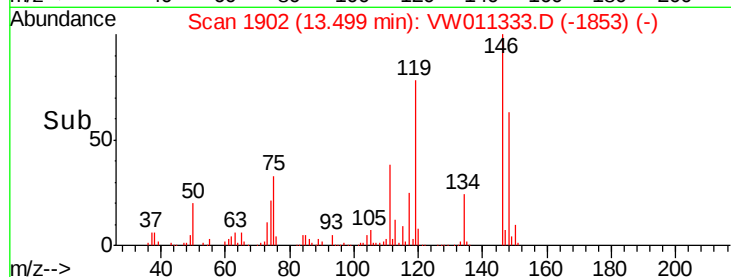
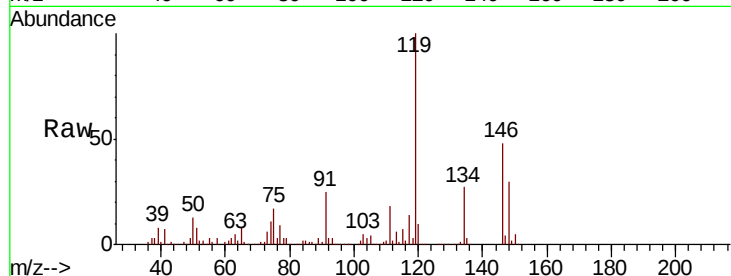
Tot Ion:146 Resp: 95146

Ion Ratio Lower Upper

146 100

111 40.2 21.1 63.1

148 63.3 32.6 97.7



#88

1,4-Dichlorobenzene

Concen: 20.668 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW011333.D

Acq: 18 Jul 2019 14:55

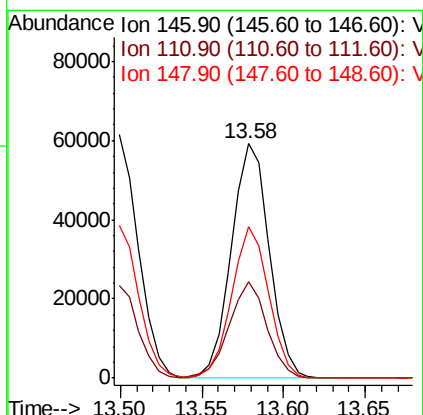
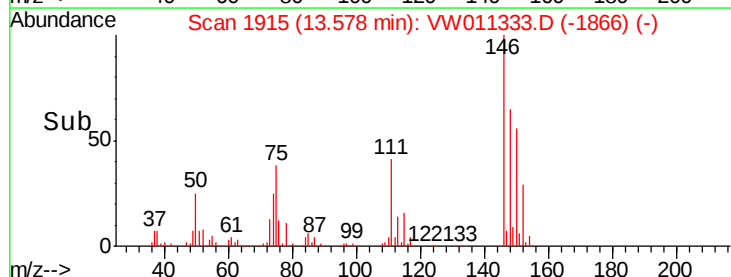
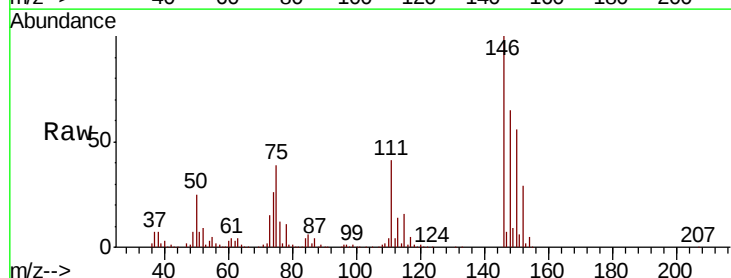
Tgt Ion:146 Resp: 95769

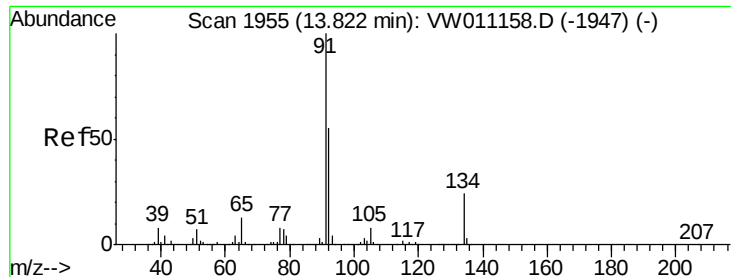
Ion Ratio Lower Upper

146 100

111 41.0 19.9 59.7

148 63.1 31.5 94.5





#89

n-Butylbenzene

Concen: 19.949 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW011333.D

Acq: 18 Jul 2019 14:55

Instrument :

MSVOA_W

ClientSampleId :

VW0718SBS01

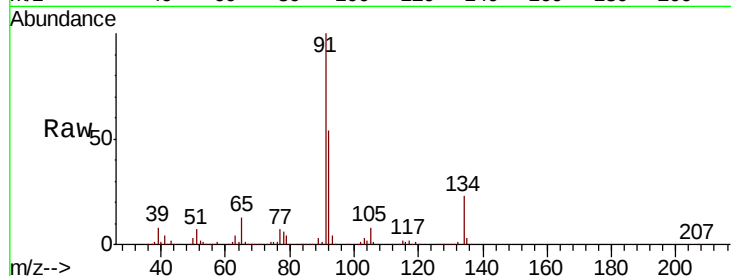
Tot Ion: 91 Resp: 194477

Ion Ratio Lower Upper

91 100

92 54.0 26.9 80.7

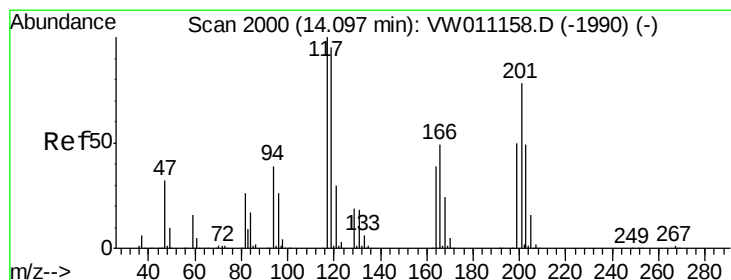
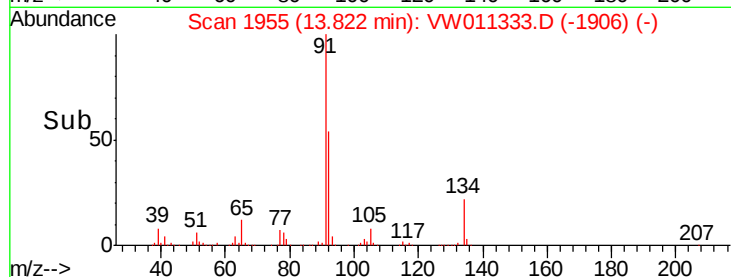
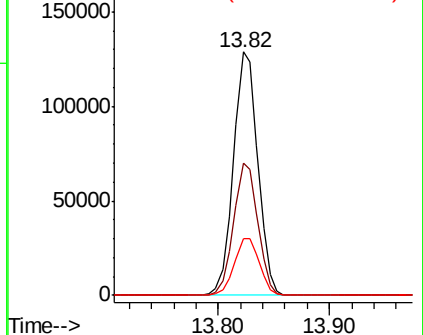
134 24.2 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 18.648 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW011333.D

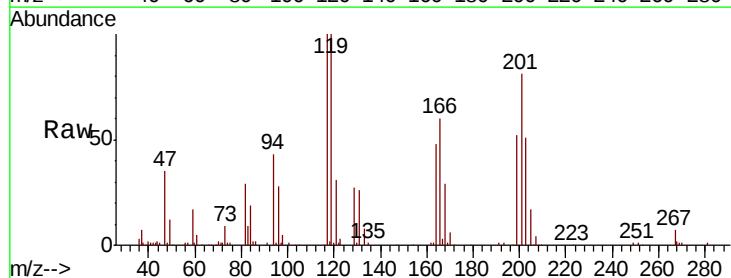
Acq: 18 Jul 2019 14:55

Tgt Ion: 117 Resp: 33301

Ion Ratio Lower Upper

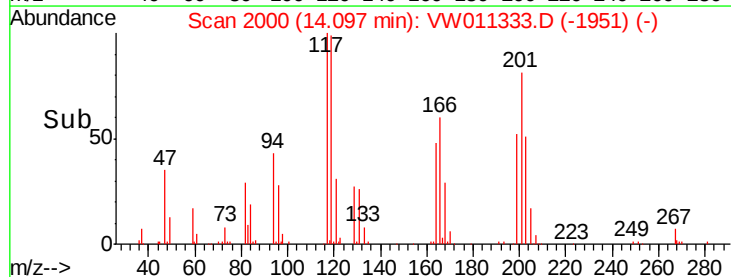
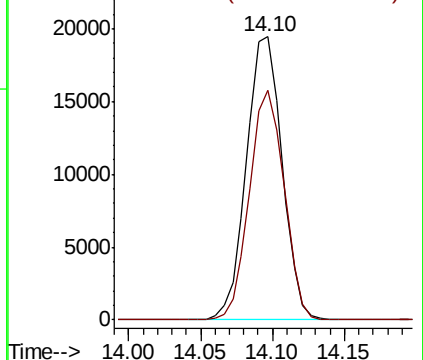
117 100

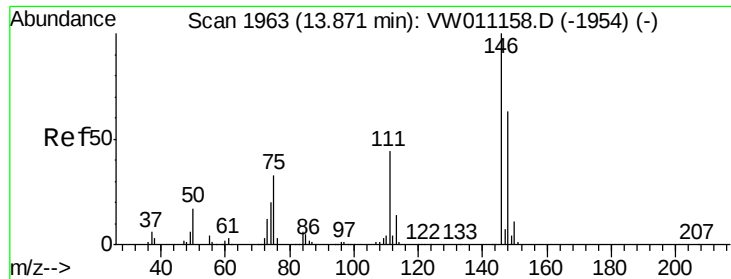
201 79.0 38.3 114.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

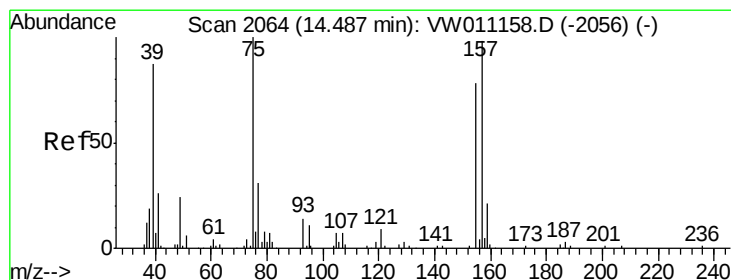
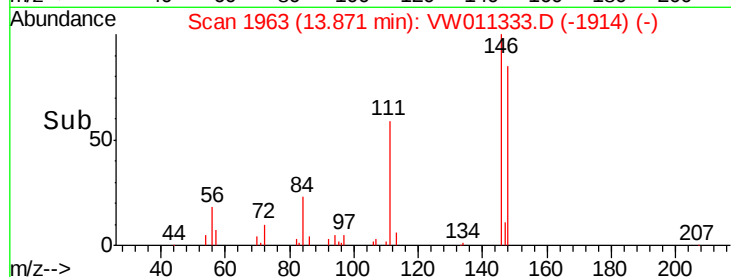
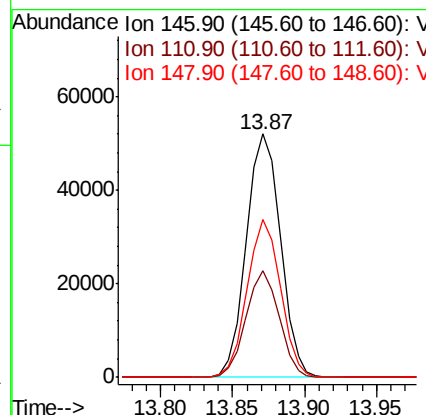
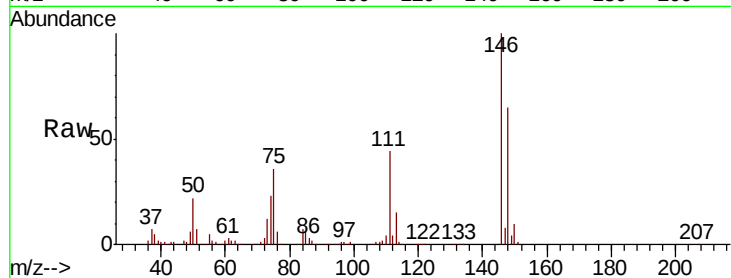




#91
 1,2-Dichlorobenzene
 Concen: 20.518 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011333.D
 Acq: 18 Jul 2019 14:55

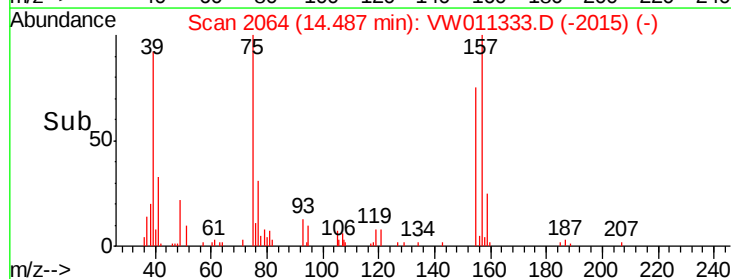
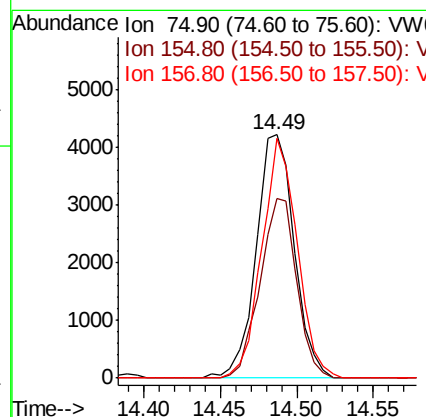
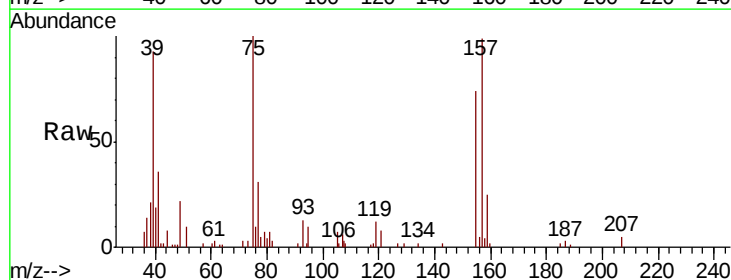
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0718SBSD01

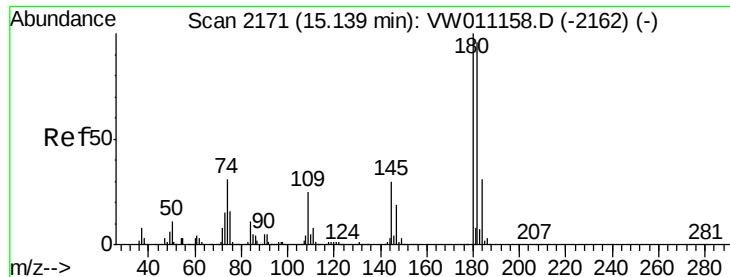
Tot Ion:146 Resp: 85654
 Ion Ratio Lower Upper
 146 100
 111 42.7 21.6 65.0
 148 63.3 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.906 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011333.D
 Acq: 18 Jul 2019 14:55

Tgt Ion: 75 Resp: 7326
 Ion Ratio Lower Upper
 75 100
 155 71.0 37.1 111.3
 157 91.3 48.5 145.6

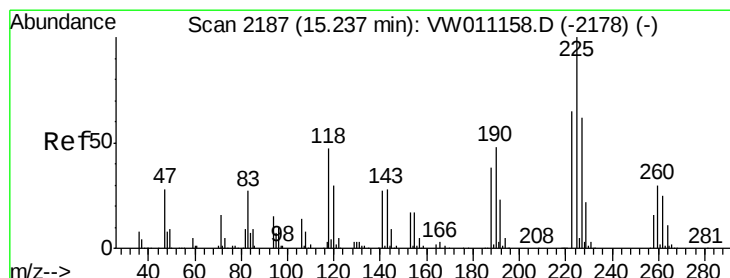
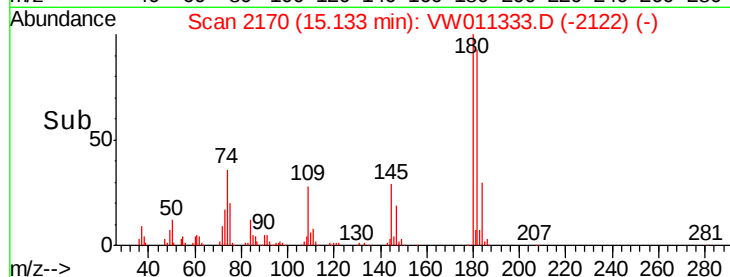
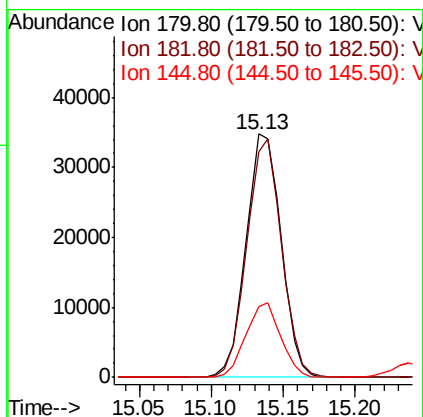
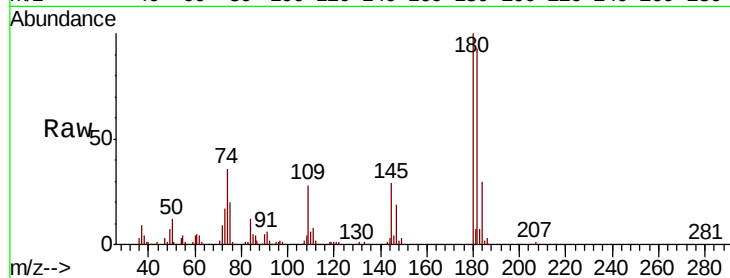




#93
 1,2,4-Trichlorobenzene
 Concen: 20.353 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW011333.D
 Acq: 18 Jul 2019 14:55

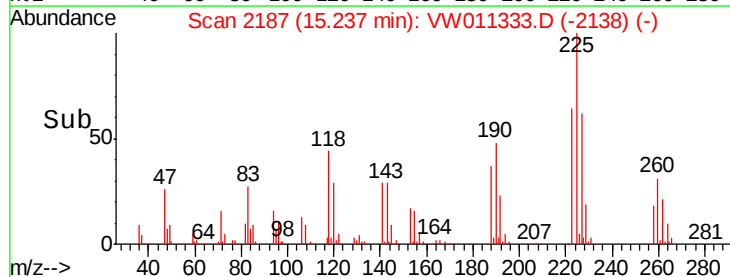
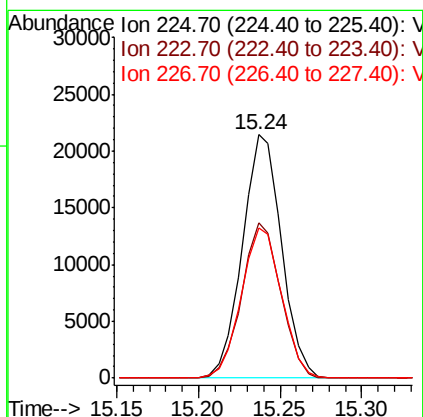
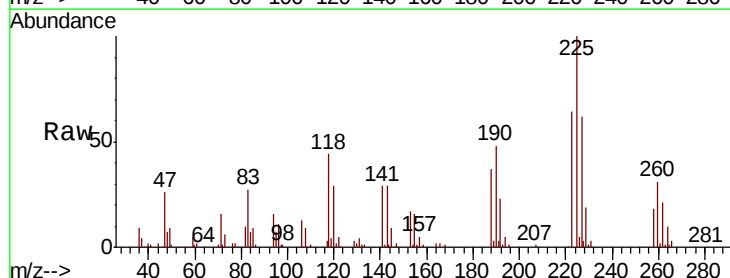
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0718SBS01

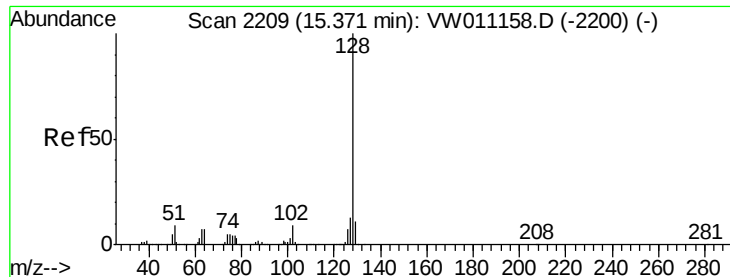
Tot Ion:180 Resp: 58524
 Ion Ratio Lower Upper
 180 100
 182 96.7 48.3 144.9
 145 30.5 15.5 46.5



#94
 Hexachlorobutadiene
 Concen: 20.290 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW011333.D
 Acq: 18 Jul 2019 14:55

Tgt Ion:225 Resp: 35819
 Ion Ratio Lower Upper
 225 100
 223 63.6 31.6 95.0
 227 63.1 32.0 96.0





#95

Naphthalene

Concen: 18.944 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011333.D

Acq: 18 Jul 2019 14:55

Instrument :

MSVOA_W

ClientSampleId :

VW0718SBS01

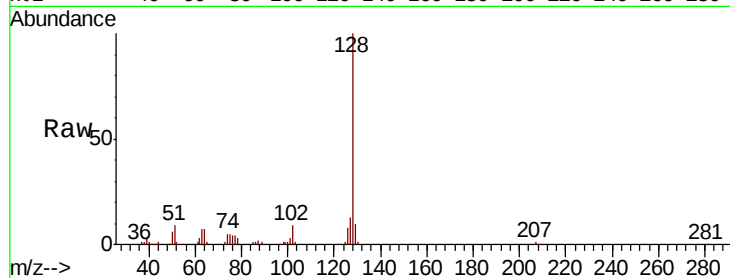
Tot Ion:128 Resp: 104383

Ion Ratio Lower Upper

128 100

127 13.3 10.6 16.0

129 10.8 8.7 13.1

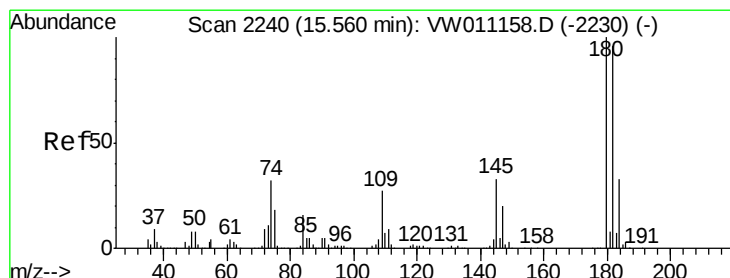
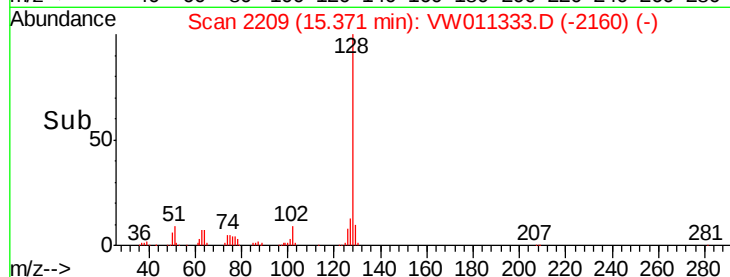
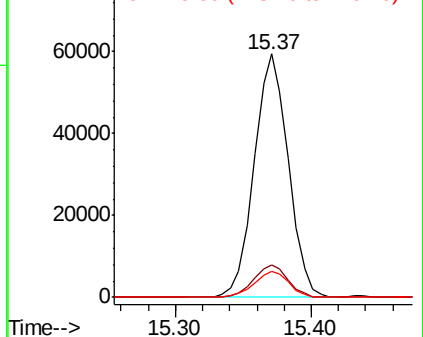


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.593 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW011333.D

Acq: 18 Jul 2019 14:55

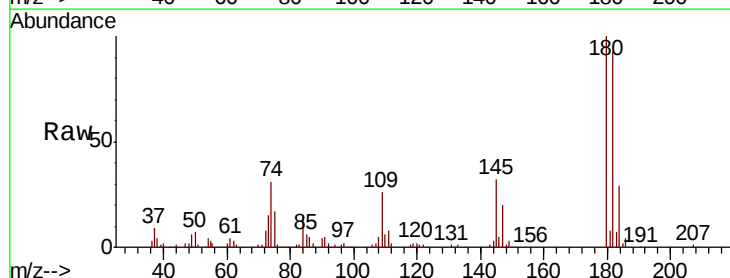
Tgt Ion:180 Resp: 52259

Ion Ratio Lower Upper

180 100

182 94.5 47.6 142.8

145 32.4 16.5 49.5



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

