

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072019\
 Data File : VW011393.D
 Acq On : 20 Jul 2019 00:25
 Operator : SY/VA
 Sample : VW0720SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0720SBSD01

Quant Time: Jul 20 05:55:25 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	211318	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	360073	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	318342	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	155562	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	126246	47.55	ug/l	0.00
Spiked Amount			Recovery	=	95.10%	
35) Dibromofluoromethane	7.88	113	100533	46.84	ug/l	0.00
Spiked Amount			Recovery	=	93.68%	
50) Toluene-d8	10.32	98	402091	46.35	ug/l	0.00
Spiked Amount			Recovery	=	92.70%	
62) 4-Bromofluorobenzene	12.61	95	146928	46.21	ug/l	0.00
Spiked Amount			Recovery	=	92.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	26156	16.596	ug/l	96
3) Chloromethane	2.21	50	43564	21.452	ug/l	95
4) Vinyl Chloride	2.35	62	49388	18.581	ug/l	98
5) Bromomethane	2.76	94	25694	19.237	ug/l	97
6) Chloroethane	2.92	64	27574	19.260	ug/l	94
7) Trichlorofluoromethane	3.25	101	18914	20.030	ug/l	96
8) Diethyl Ether	3.68	74	26329	20.152	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	41957	18.550	ug/l	98
10) Methyl Iodide	4.26	142	61210	19.677	ug/l	98
11) Tert butyl alcohol	5.17	59	23512	119.600	ug/l	97
12) 1,1-Dichloroethene	4.03	96	44240	18.845	ug/l	92
13) Acrolein	3.89	56	11490	73.399	ug/l	100
14) Allyl chloride	4.66	41	91220	21.309	ug/l	98
15) Acrylonitrile	5.37	53	68580	103.066	ug/l	98
16) Acetone	4.12	43	63557	99.480	ug/l	99
17) Carbon Disulfide	4.38	76	128186	18.011	ug/l	100
18) Methyl Acetate	4.67	43	48615	26.082	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	74816	21.004	ug/l	96
20) Methylene Chloride	4.92	84	59651	23.667	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	49718	20.382	ug/l	89
22) Diisopropyl ether	6.31	45	191530	20.802	ug/l	99
23) Vinyl Acetate	6.25	43	532240	93.406	ug/l	100
24) 1,1-Dichloroethane	6.21	63	100191	20.723	ug/l	100
25) 2-Butanone	7.16	43	100204	99.915	ug/l	98
26) 2,2-Dichloropropane	7.16	77	51003	20.294	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	54810	20.830	ug/l	99
28) Bromochloromethane	7.51	49	44098	20.059	ug/l	99
29) Tetrahydrofuran	7.53	42	66224	100.705	ug/l	99
30) Chloroform	7.67	83	92029	20.553	ug/l	96
31) Cyclohexane	7.95	56	94646	18.401	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	68072	19.986	ug/l	100
36) 1,1-Dichloropropene	8.08	75	73370	19.135	ug/l	99
37) Ethyl Acetate	7.25	43	47103	20.445	ug/l	99
38) Carbon Tetrachloride	8.07	117	60545	18.626	ug/l	99

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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	82363	17.722	ug/l	98
40) Benzene	8.32	78	209889	19.807	ug/l	99
41) Methacrylonitrile	7.48	41	26407	20.041	ug/l	97
42) 1,2-Dichloroethane	8.40	62	68359	19.886	ug/l	100
43) Isopropyl Acetate	8.42	43	82719	19.018	ug/l	99
44) Trichloroethene	9.09	130	49897	19.567	ug/l	98
45) 1,2-Dichloropropane	9.37	63	56651	19.742	ug/l	96
46) Dibromomethane	9.46	93	26772	19.861	ug/l	98
47) Bromodichloromethane	9.65	83	67692	19.626	ug/l	100
48) Methyl methacrylate	9.43	41	39509	18.880	ug/l	98
49) 1,4-Dioxane	9.45	88	8613	382.793	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	220096	96.868	ug/l	99
52) Toluene	10.38	92	126393	19.662	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	66659	18.157	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	78597	18.188	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	37380	19.547	ug/l	97
56) Ethyl methacrylate	10.65	69	54468	18.708	ug/l	98
57) 1,3-Dichloropropane	10.93	76	71230	19.697	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	134306	99.503	ug/l	99
59) 2-Hexanone	10.97	43	146152	92.753	ug/l	99
60) Dibromochloromethane	11.13	129	40525	19.325	ug/l	98
61) 1,2-Dibromoethane	11.23	107	35277	19.475	ug/l	99
64) Tetrachloroethene	10.86	164	45196	21.040	ug/l	97
65) Chlorobenzene	11.66	112	127411	19.686	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	44172	19.383	ug/l	99
67) Ethyl Benzene	11.73	91	238709	19.266	ug/l	100
68) m/p-Xylenes	11.84	106	176602	39.391	ug/l	99
69) o-Xylene	12.16	106	82466	19.516	ug/l	100
70) Styrene	12.18	104	144263	19.782	ug/l	100
71) Bromoform	12.35	173	22434	18.515	ug/l #	98
73) Isopropylbenzene	12.46	105	225192	19.365	ug/l	99
74) N-amyl acetate	12.27	43	73486	18.145	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	46576	19.539	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	57513	31.992	ug/l #	100
77) Bromobenzene	12.75	156	51024	19.552	ug/l	98
78) n-propylbenzene	12.80	91	278566	19.446	ug/l	100
79) 2-Chlorotoluene	12.89	91	160579	19.480	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	193621	19.599	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	11673	14.686	ug/l	97
82) 4-Chlorotoluene	12.99	91	171266	19.947	ug/l	100
83) tert-Butylbenzene	13.21	119	159792	19.394	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	194995	19.657	ug/l	100
85) sec-Butylbenzene	13.38	105	225953	19.005	ug/l	100
86) p-Isopropyltoluene	13.50	119	203782	19.111	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	99364	19.789	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	99451	19.669	ug/l	98
89) n-Butylbenzene	13.82	91	201979	18.988	ug/l	99
90) Hexachloroethane	14.10	117	36064	18.508	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	89827	19.720	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7664	18.126	ug/l	99

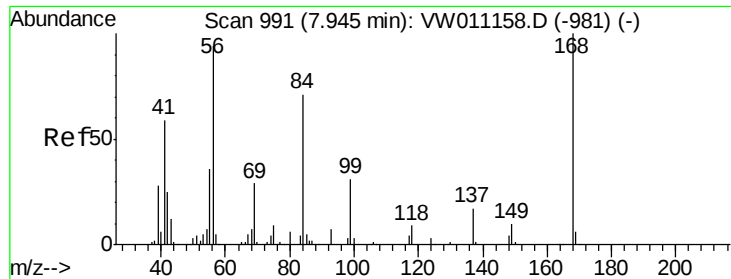
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072019\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	61309	19.541	ug/l	98
94) Hexachlorobutadiene	15.24	225	37278	19.353	ug/l	99
95) Naphthalene	15.37	128	112841	18.768	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	55347	19.988	ug/l	98

(#) = 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: VW011393.D

Acq: 20 Jul 2019 00:25

Instrument :

MSVOA_W

ClientSampleId :

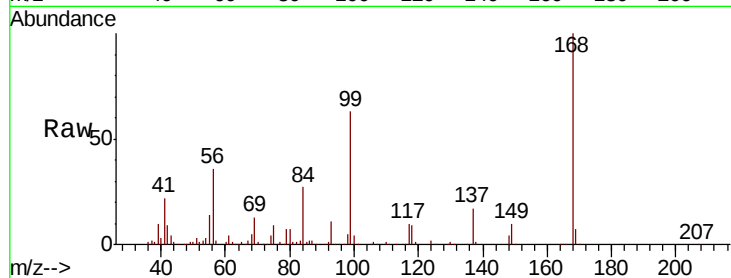
VW0720SBSD01

Tot Ion:168 Resp: 211318

Ion Ratio Lower Upper

168 100

99 62.6 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

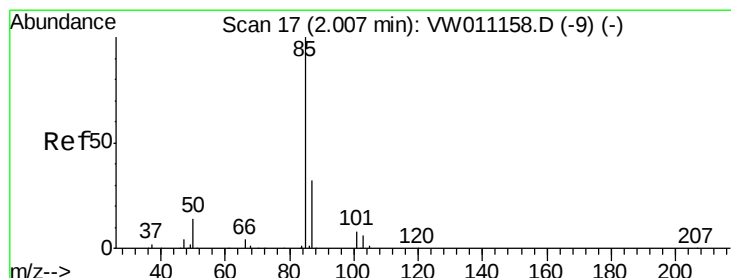
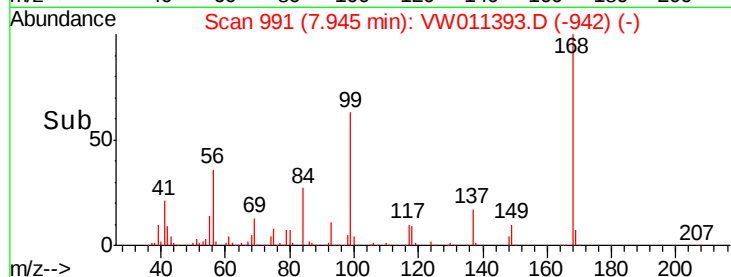
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 16.596 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW011393.D

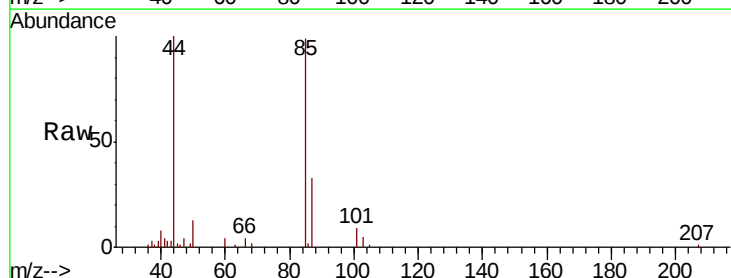
Acq: 20 Jul 2019 00:25

Tgt Ion: 85 Resp: 26156

Ion Ratio Lower Upper

85 100

87 33.8 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

10000

8000

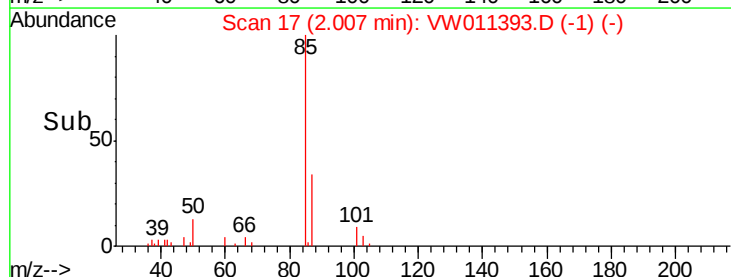
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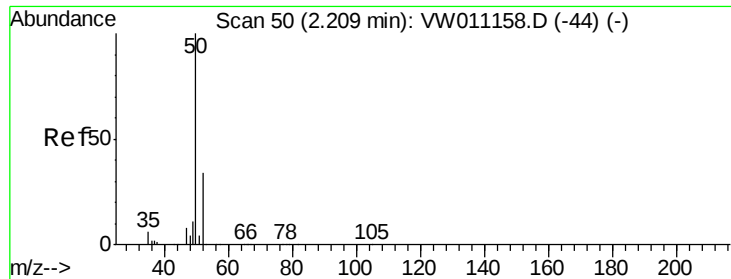
4000

2000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 21.452 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW011393.D

Acq: 20 Jul 2019 00:25

Instrument :

MSVOA_W

ClientSampleId :

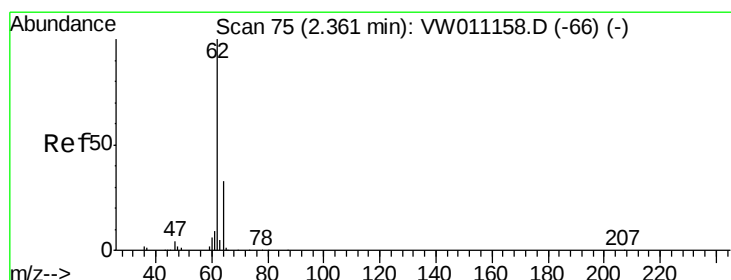
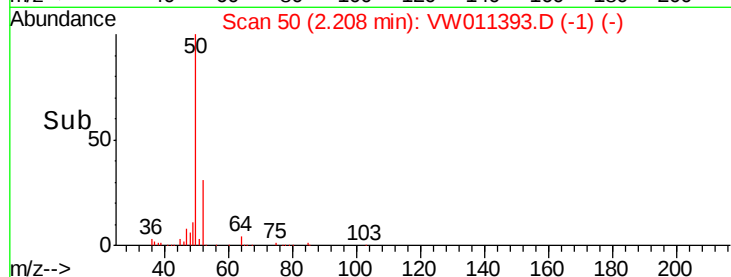
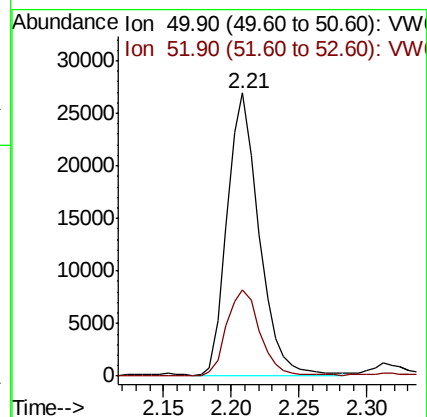
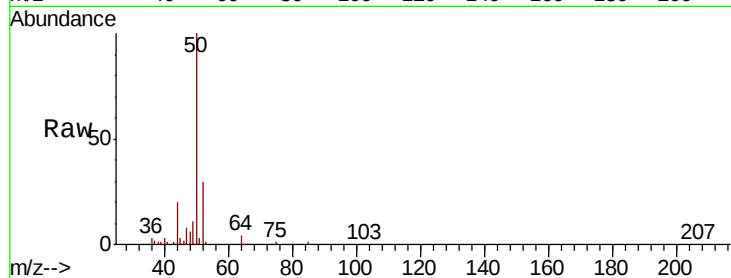
VW0720SBSD01

Tot Ion: 50 Resp: 43564

Ion Ratio Lower Upper

50 100

52 30.6 26.9 40.3



#4

Vinyl Chloride

Concen: 18.581 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011393.D

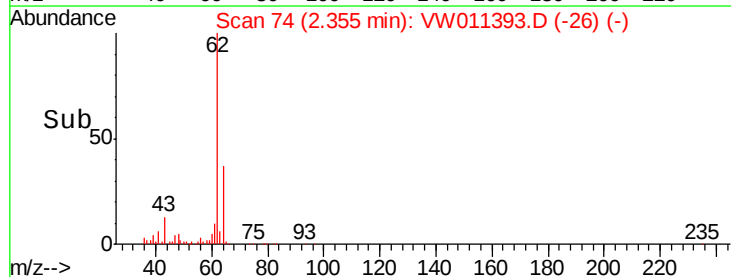
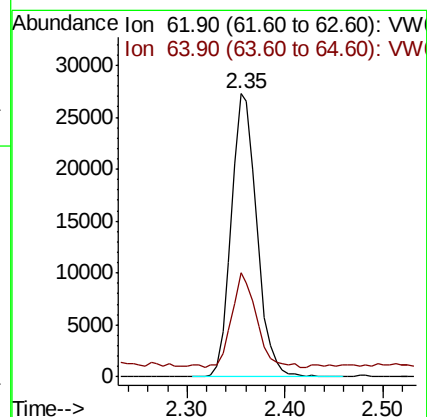
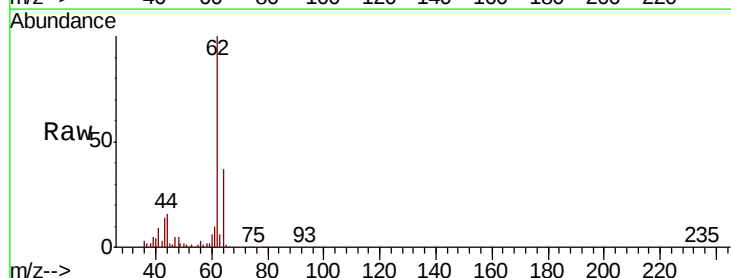
Acq: 20 Jul 2019 00:25

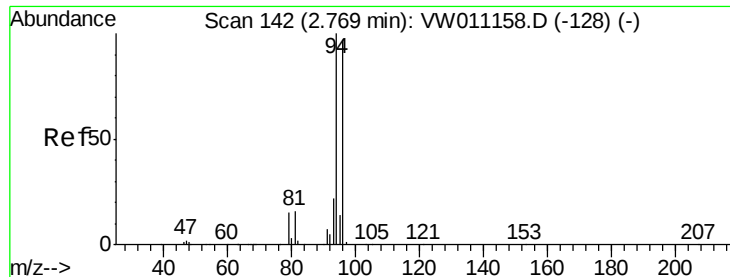
Tgt Ion: 62 Resp: 49388

Ion Ratio Lower Upper

62 100

64 32.4 26.6 40.0





#5

Bromomethane

Concen: 19.237 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW011393.D

Acq: 20 Jul 2019 00:25

Instrument :

MSVOA_W

ClientSampleId :

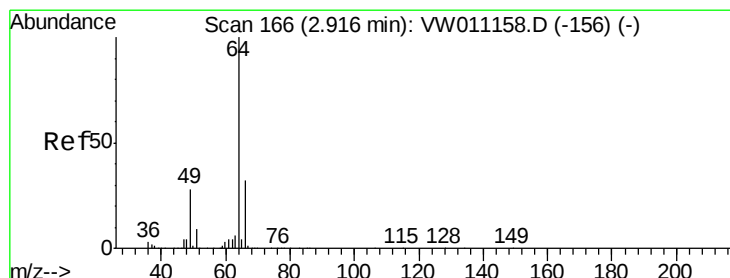
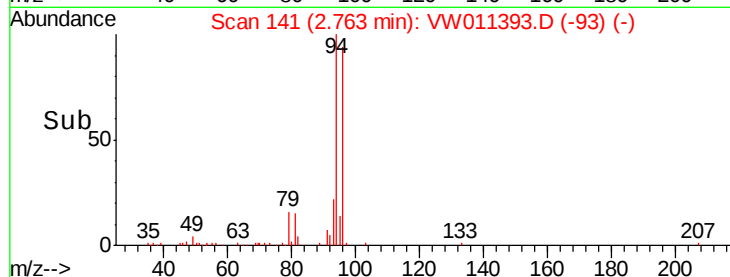
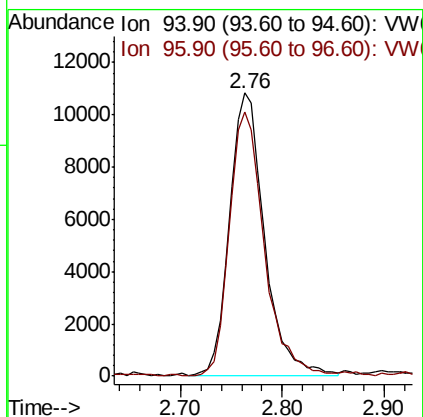
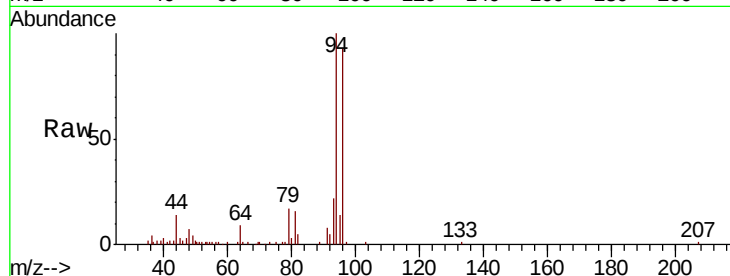
VW0720SBSD01

Tot Ion: 94 Resp: 25694

Ion Ratio Lower Upper

94 100

96 93.3 77.4 116.0



#6

Chloroethane

Concen: 19.260 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW011393.D

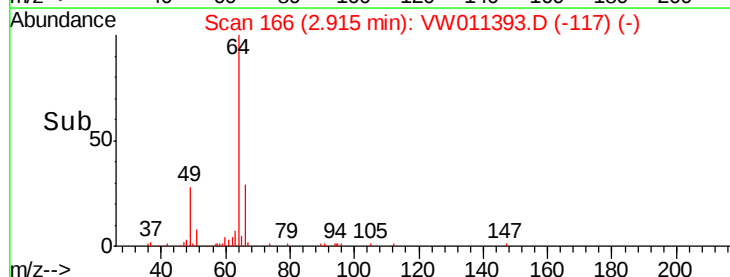
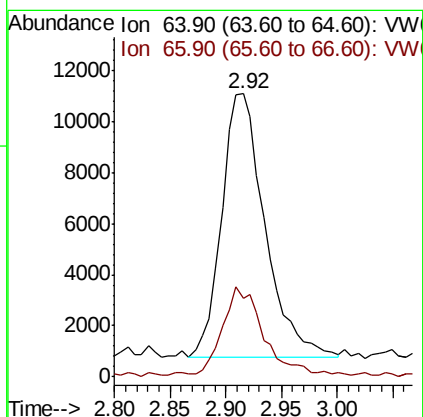
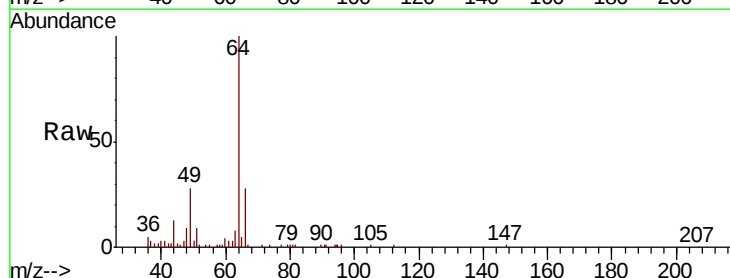
Acq: 20 Jul 2019 00:25

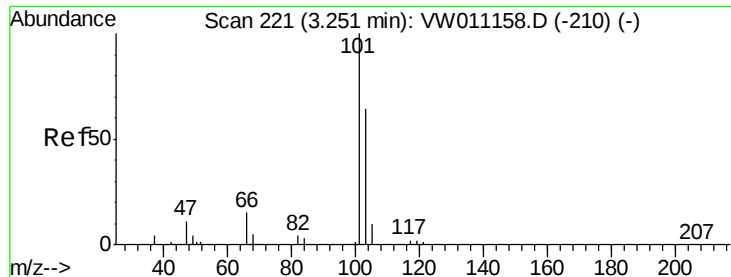
Tgt Ion: 64 Resp: 27574

Ion Ratio Lower Upper

64 100

66 28.9 25.8 38.8



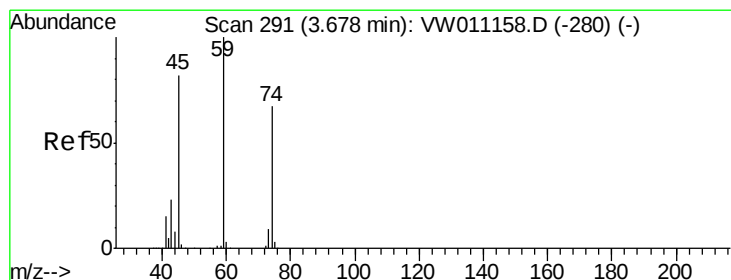
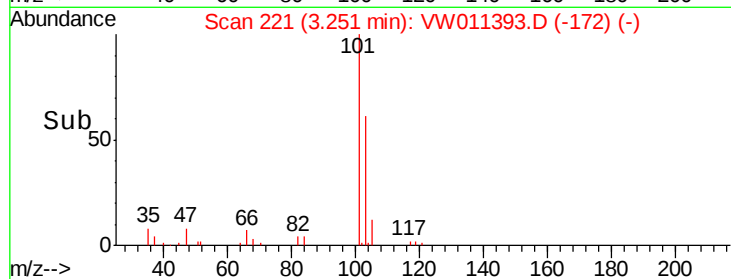
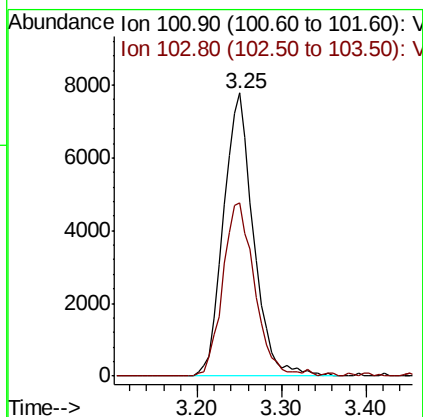
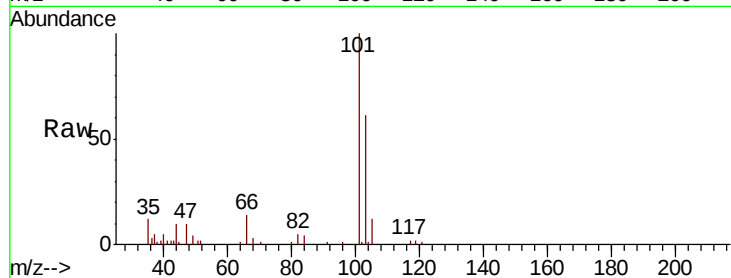


#7

Trichlorofluoromethane
 Concen: 20.030 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW011393.D
 Acq: 20 Jul 2019 00:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0720SBSD01

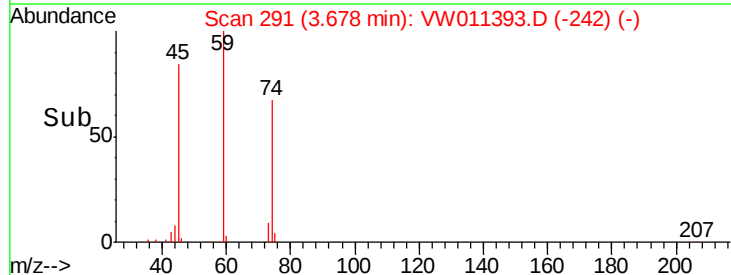
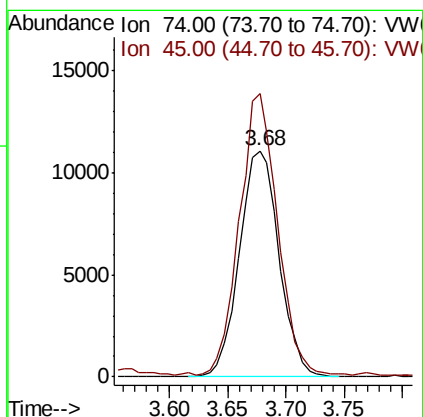
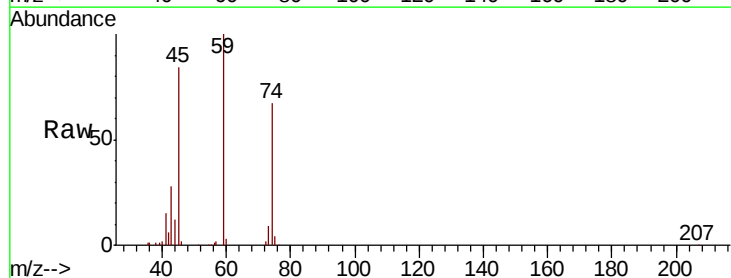
Tot Ion:101 Resp: 18914
 Ion Ratio Lower Upper
 101 100
 103 61.4 51.3 76.9

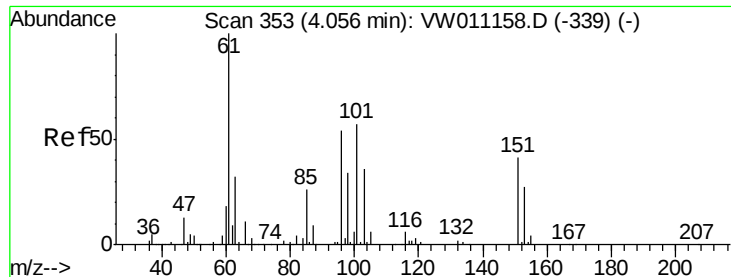


#8

Diethyl Ether
 Concen: 20.152 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW011393.D
 Acq: 20 Jul 2019 00:25

Tgt Ion: 74 Resp: 26329
 Ion Ratio Lower Upper
 74 100
 45 120.4 59.9 179.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.550 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW011393.D

Acq: 20 Jul 2019 00:25

Instrument :

MSVOA_W

ClientSampleId :

VW0720SBSD01

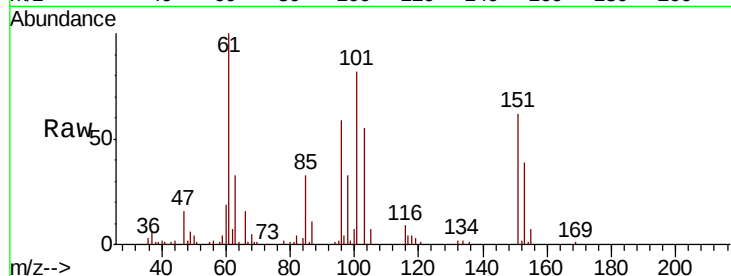
Tot Ion:101 Resp: 41957

Ion Ratio Lower Upper

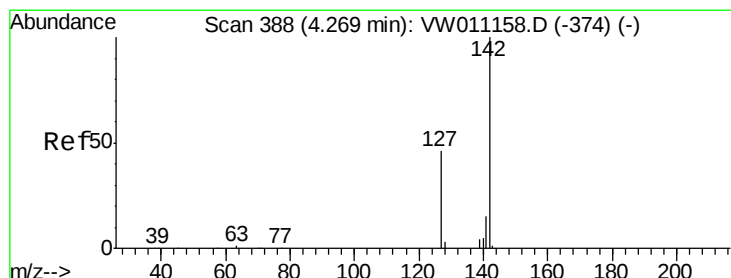
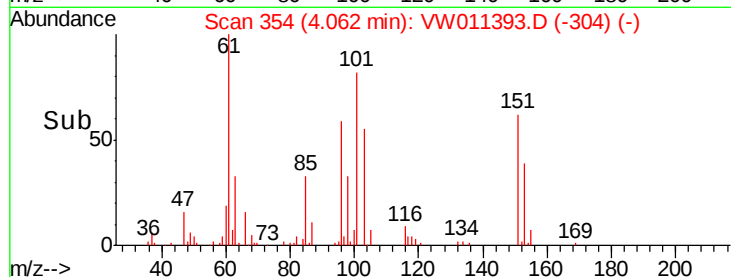
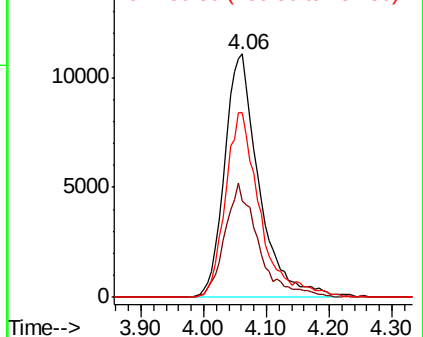
101 100

85 45.7 36.5 54.7

151 76.4 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: 19.677 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW011393.D

Acq: 20 Jul 2019 00:25

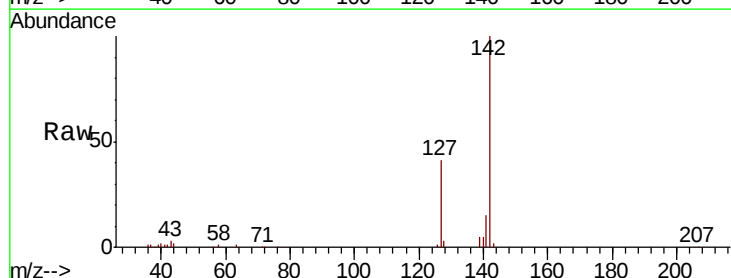
Tgt Ion:142 Resp: 61210

Ion Ratio Lower Upper

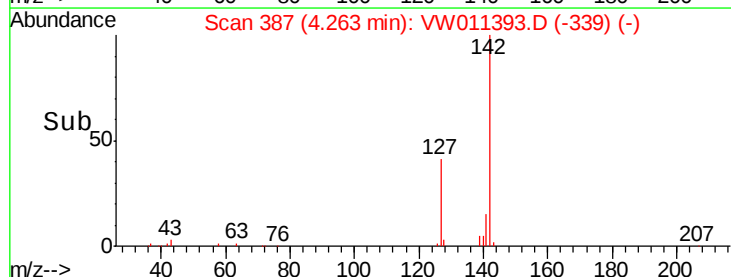
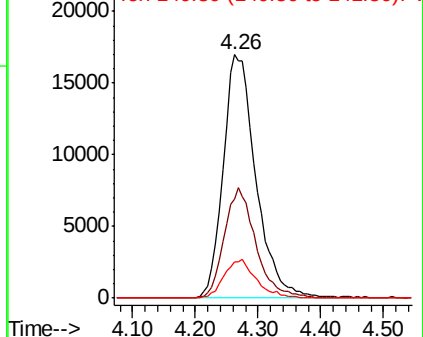
142 100

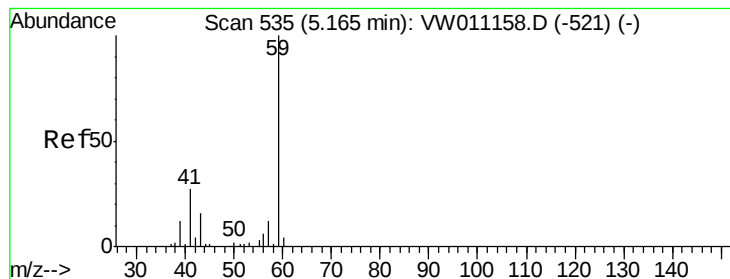
127 43.5 35.7 53.5

141 15.4 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



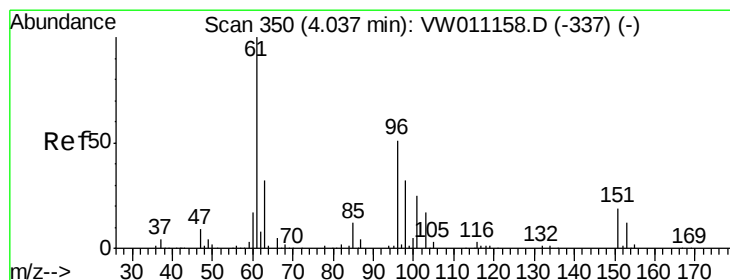
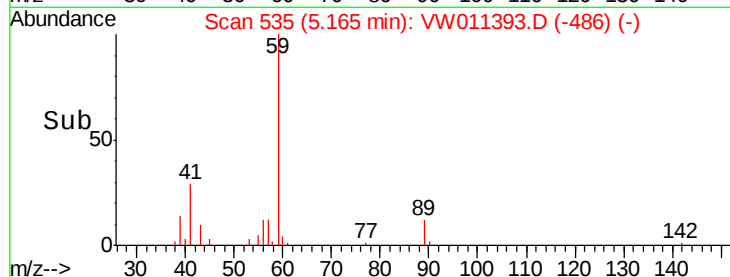
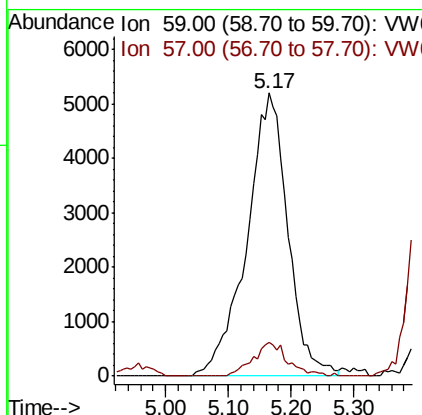
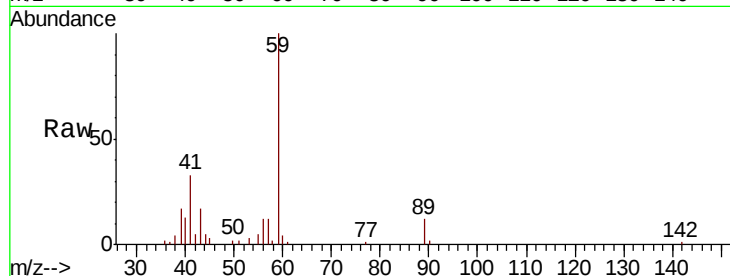


#11

Tert butyl alcohol
 Concen: 119.600 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.00 min
 Lab File: VW011393.D
 Acq: 20 Jul 2019 00:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0720SBS01

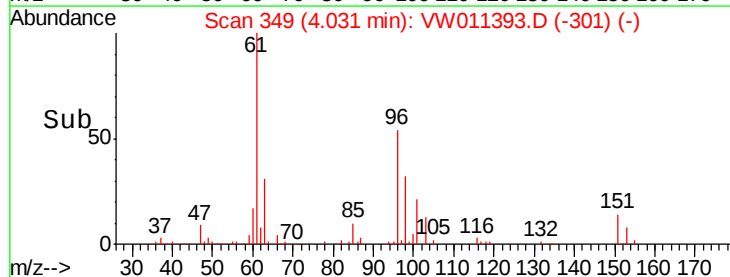
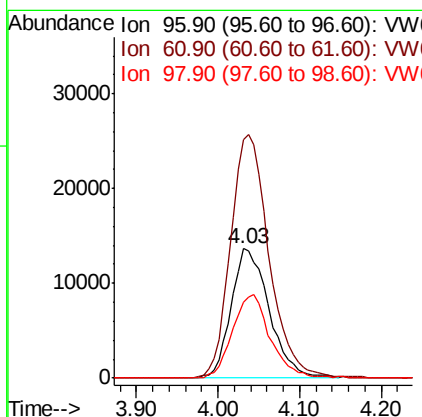
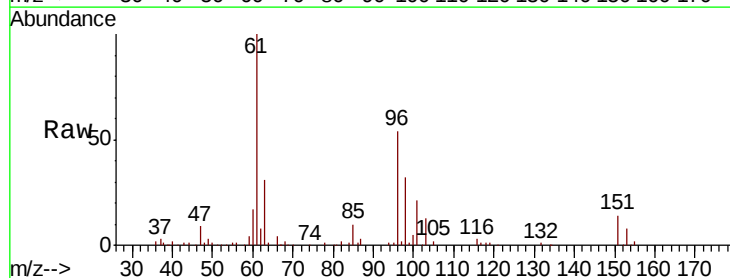
Tot Ion: 59 Resp: 23512
 Ion Ratio Lower Upper
 59 100
 57 10.0 9.0 13.6

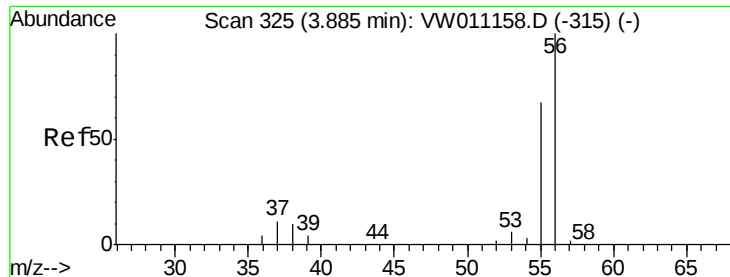


#12

1,1-Dichloroethene
 Concen: 18.845 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW011393.D
 Acq: 20 Jul 2019 00:25

Tgt Ion: 96 Resp: 44240
 Ion Ratio Lower Upper
 96 100
 61 184.2 157.7 236.5
 98 59.1 50.9 76.3





#13

Acrolein

Concen: 73.399 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW011393.D

Acq: 20 Jul 2019 00:25

Instrument :

MSVOA_W

ClientSampleId :

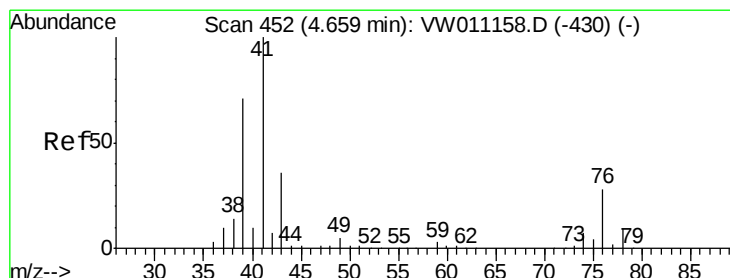
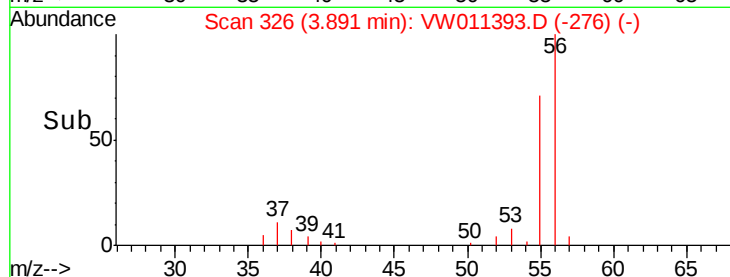
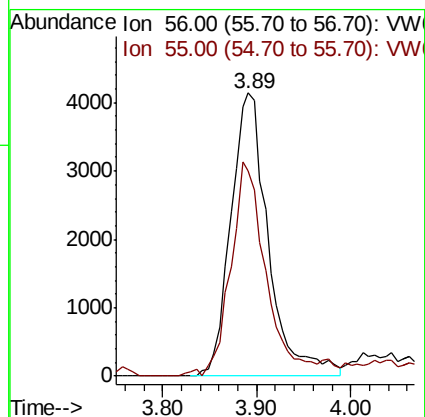
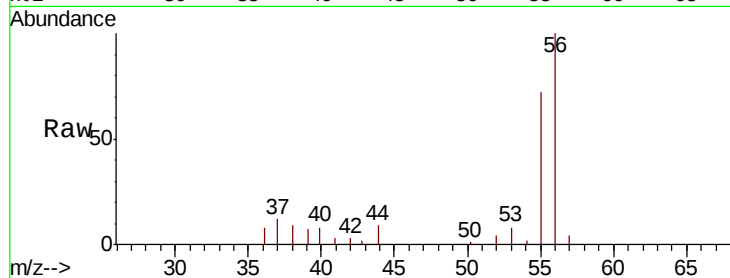
VW0720SBSD01

Tot Ion: 56 Resp: 11490

Ion Ratio Lower Upper

56 100

55 70.8 56.4 84.6



#14

Allyl chloride

Concen: 21.309 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW011393.D

Acq: 20 Jul 2019 00:25

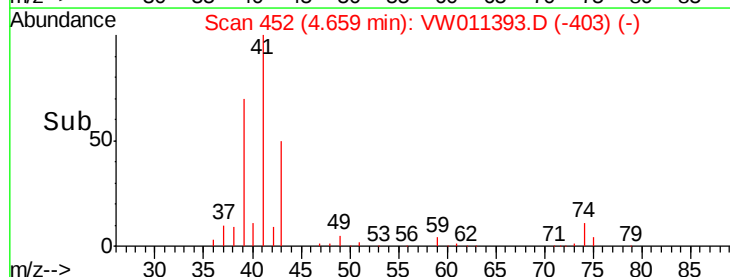
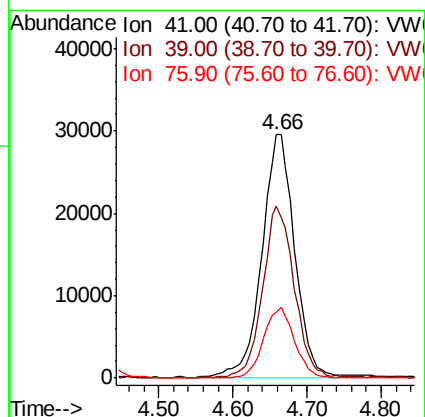
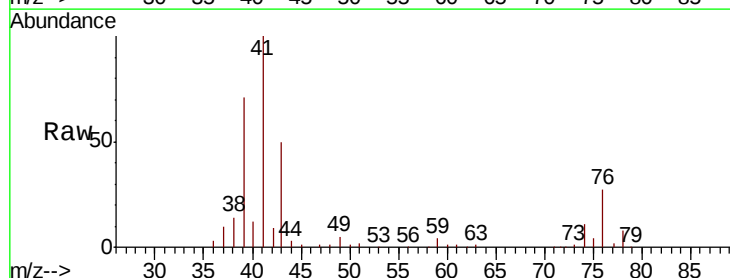
Tgt Ion: 41 Resp: 91220

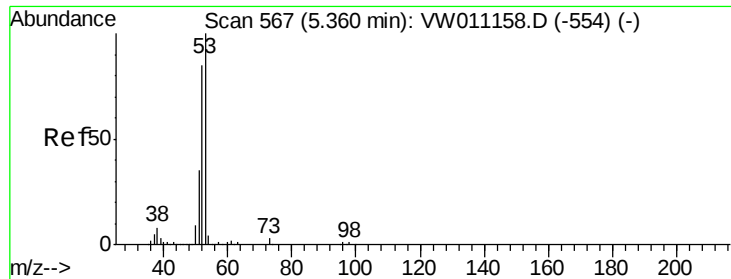
Ion Ratio Lower Upper

41 100

39 67.4 55.1 82.7

76 27.3 22.5 33.7





#15

Acrylonitrile

Concen: 103.066 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW011393.D

Acq: 20 Jul 2019 00:25

Instrument :

MSVOA_W

ClientSampleId :

VW0720SBSD01

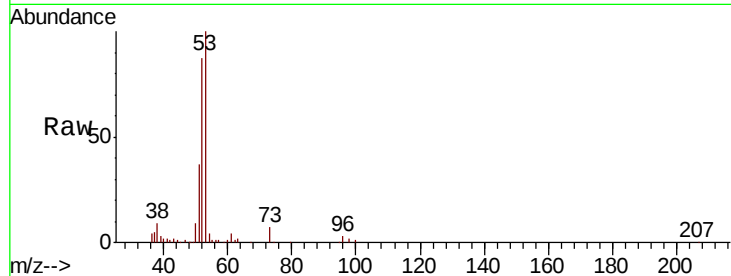
Tot Ion: 53 Resp: 68580

Ion Ratio Lower Upper

53 100

52 84.9 66.2 99.4

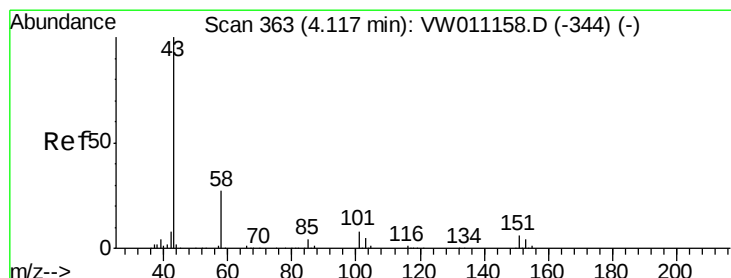
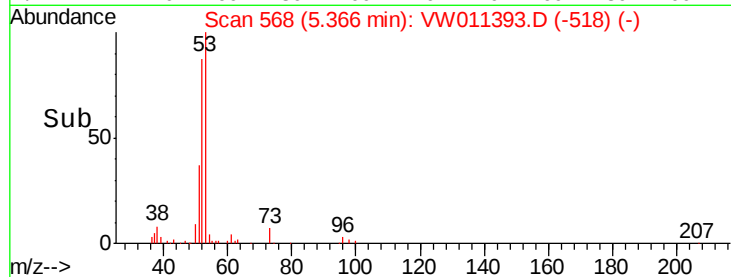
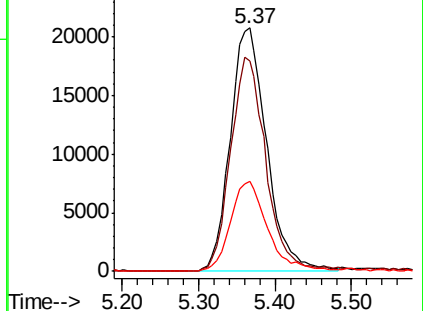
51 37.5 29.1 43.7



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 99.480 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW011393.D

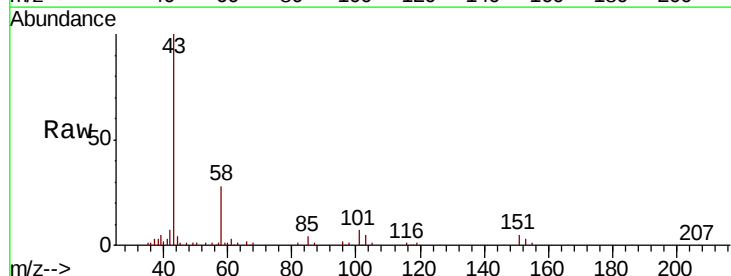
Acq: 20 Jul 2019 00:25

Tgt Ion: 43 Resp: 63557

Ion Ratio Lower Upper

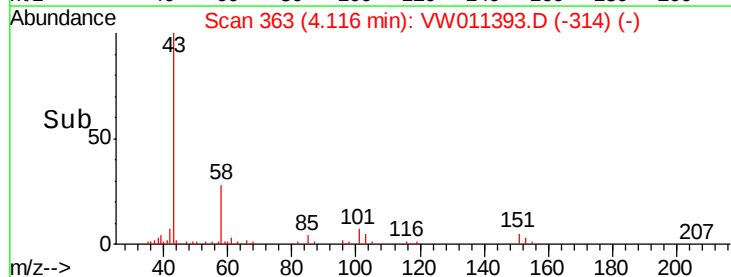
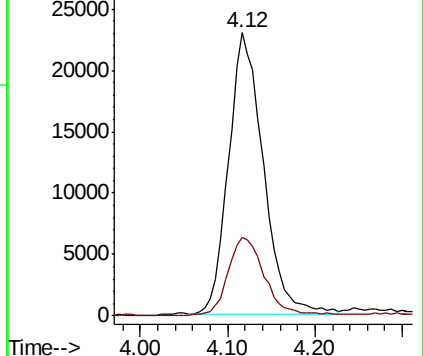
43 100

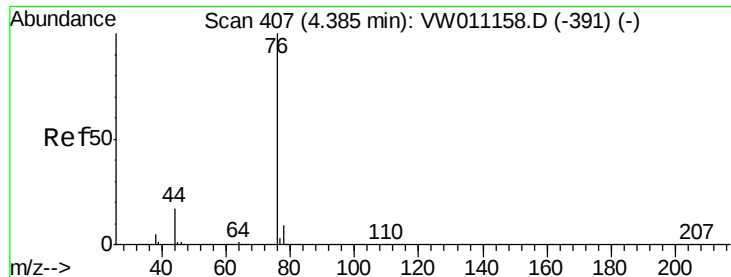
58 27.5 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 18.011 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW011393.D

Acq: 20 Jul 2019 00:25

Instrument :

MSVOA_W

ClientSampleId :

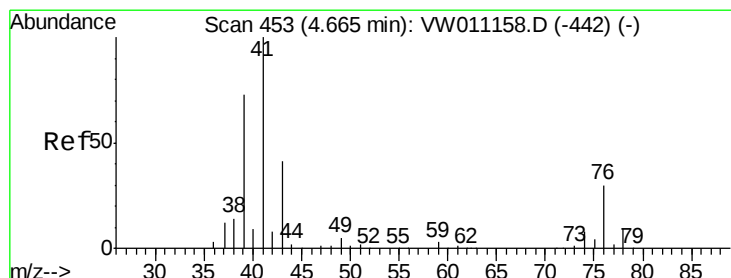
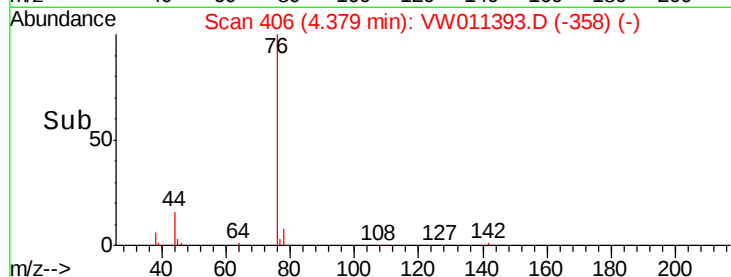
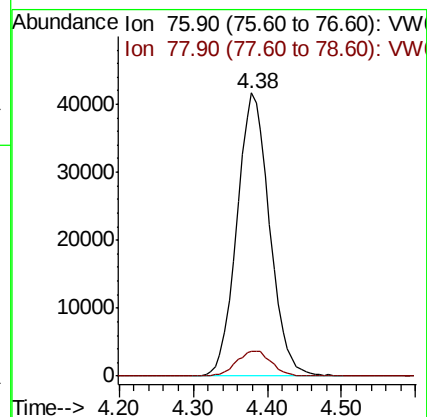
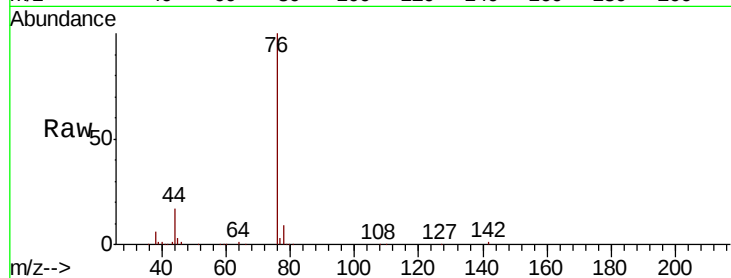
VW0720SBSD01

Tot Ion: 76 Resp: 128186

Ion Ratio Lower Upper

76 100

78 8.8 7.1 10.7



#18

Methyl Acetate

Concen: 26.082 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW011393.D

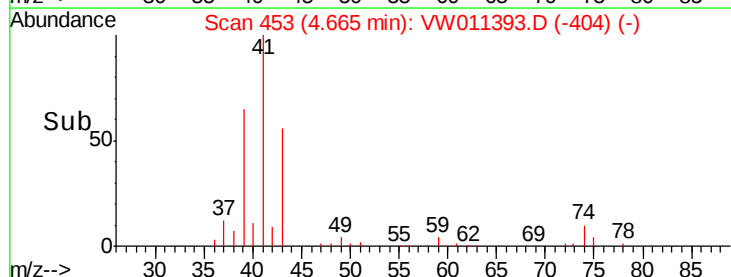
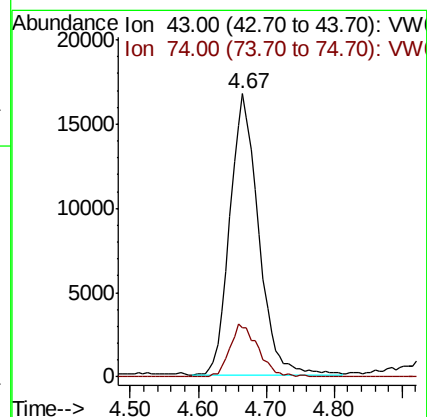
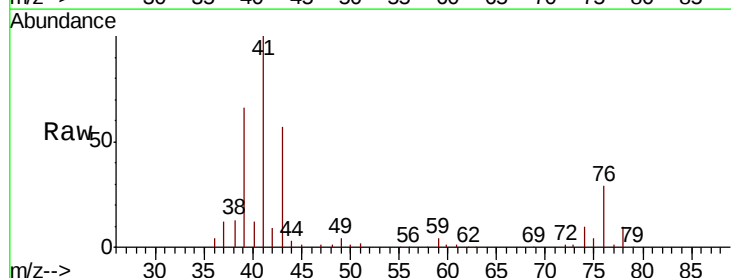
Acq: 20 Jul 2019 00:25

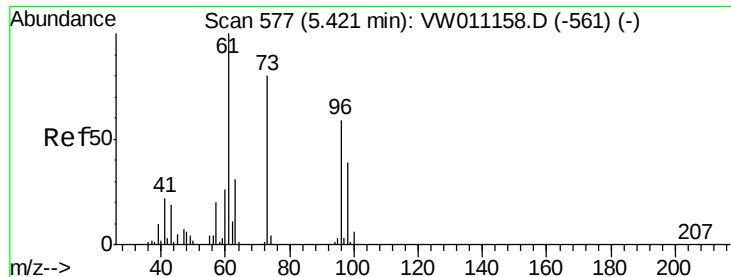
Tgt Ion: 43 Resp: 48615

Ion Ratio Lower Upper

43 100

74 18.8 15.7 23.5

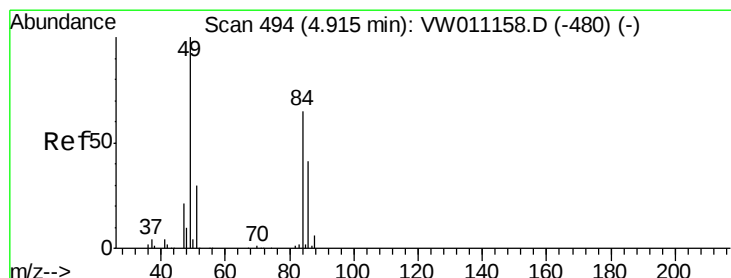
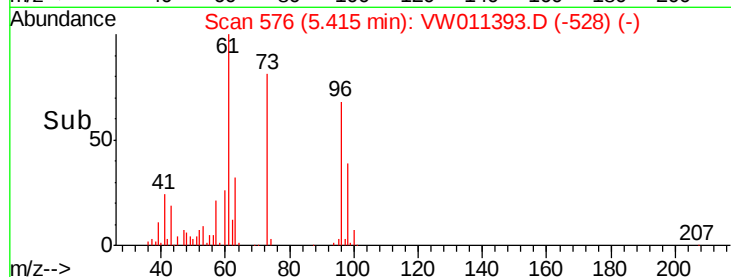
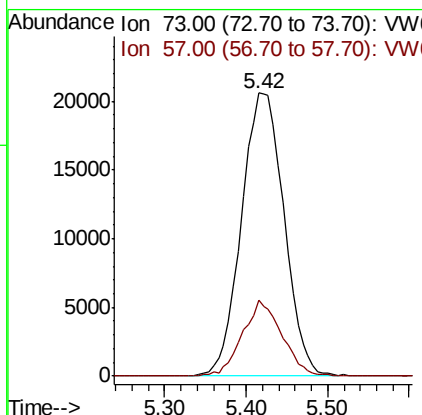
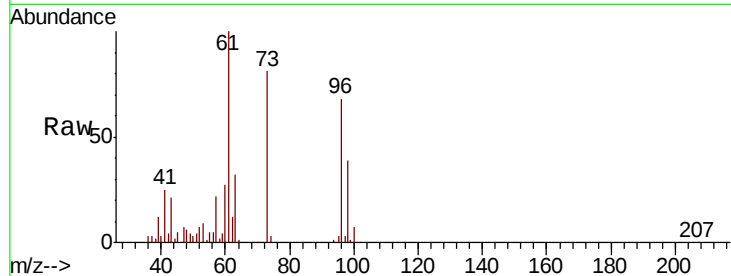




#19
Methyl tert-butyl Ether
Concen: 21.004 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

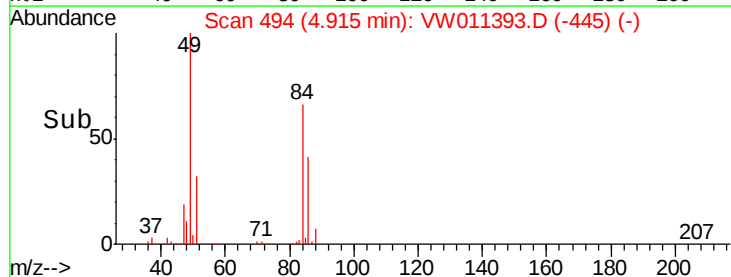
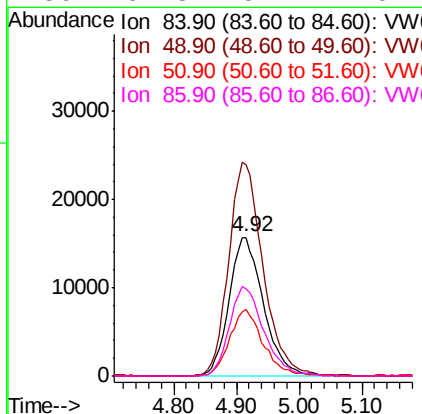
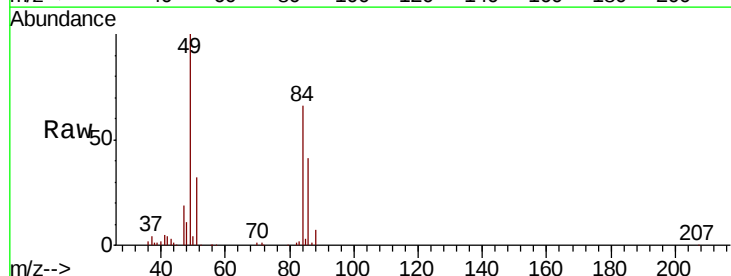
Instrument :
MSVOA_W
ClientSampleId :
VW0720SBSD01

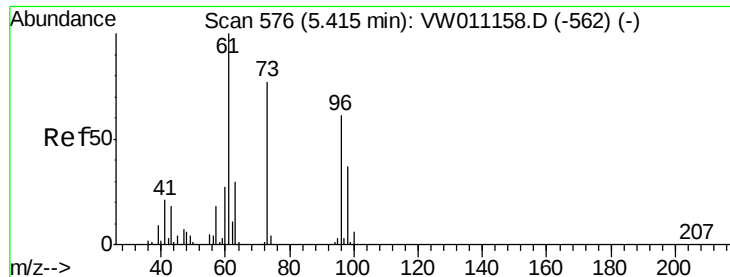
Tot Ion: 73 Resp: 74816
Ion Ratio Lower Upper
73 100
57 26.7 19.7 29.5



#20
Methylene Chloride
Concen: 23.667 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

Tgt Ion: 84 Resp: 59651
Ion Ratio Lower Upper
84 100
49 152.1 123.8 185.6
51 48.2 37.4 56.2
86 62.8 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 20.382 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW011393.D

Acq: 20 Jul 2019 00:25

Instrument :

MSVOA_W

ClientSampleId :

VW0720SBSD01

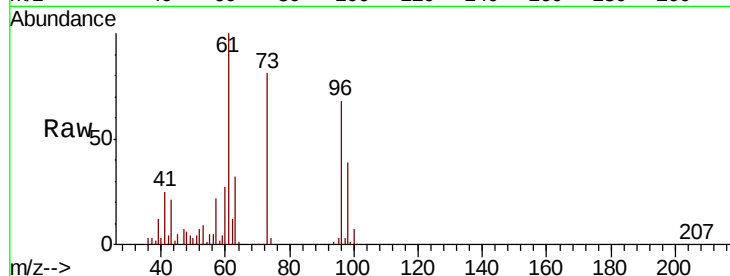
Tot Ion: 96 Resp: 49718

Ion Ratio Lower Upper

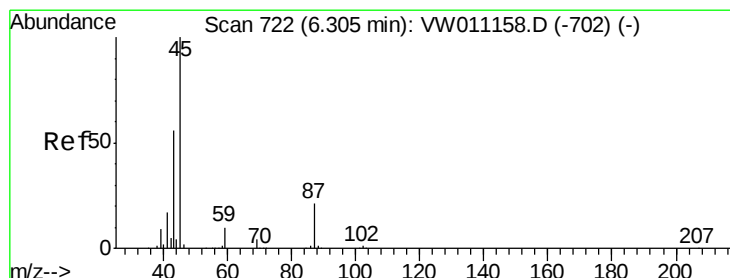
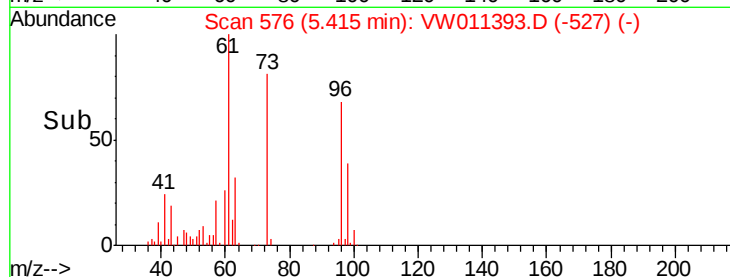
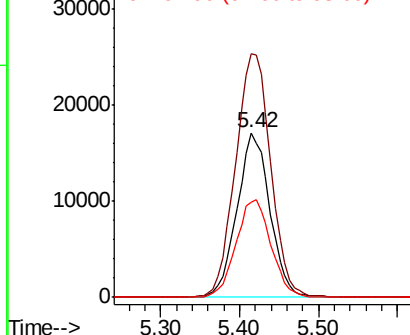
96 100

61 147.8 132.2 198.2

98 57.6 49.4 74.0



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



#22

Diisopropyl ether

Concen: 20.802 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW011393.D

Acq: 20 Jul 2019 00:25

Tgt Ion: 45 Resp: 191530

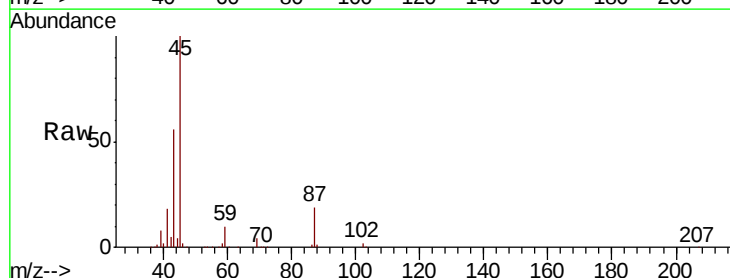
Ion Ratio Lower Upper

45 100

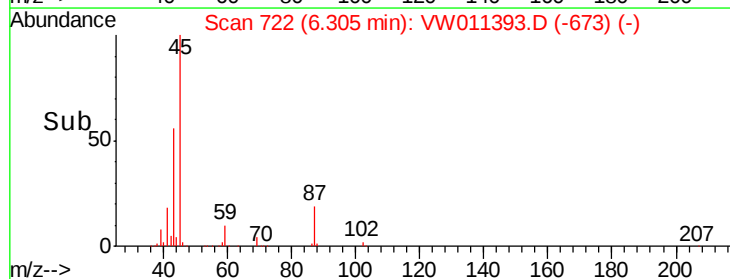
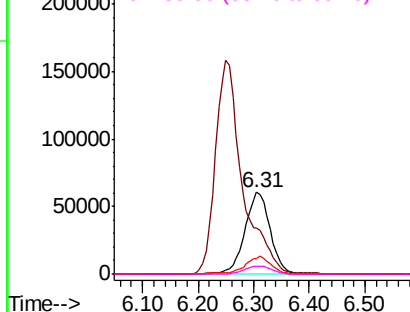
43 55.9 44.6 66.8

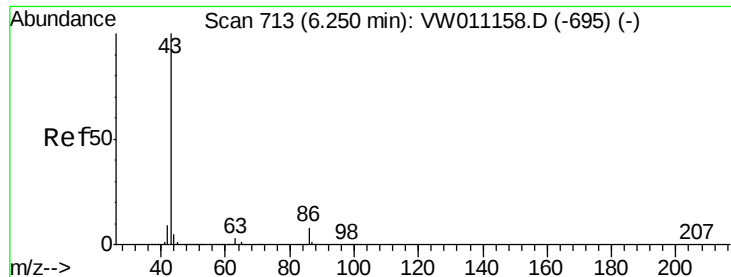
87 19.5 17.3 25.9

59 9.8 8.2 12.2



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





#23

Vinyl Acetate

Concen: 93.406 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW011393.D

Acq: 20 Jul 2019 00:25

Instrument :

MSVOA_W

ClientSampleId :

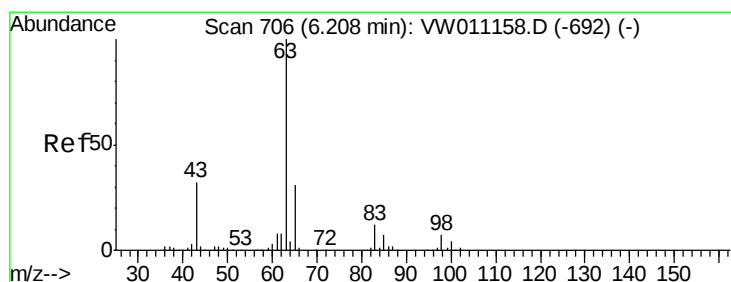
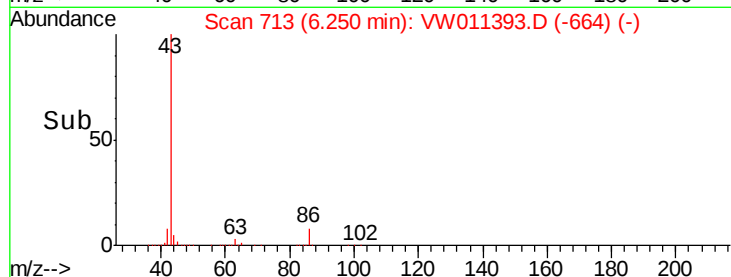
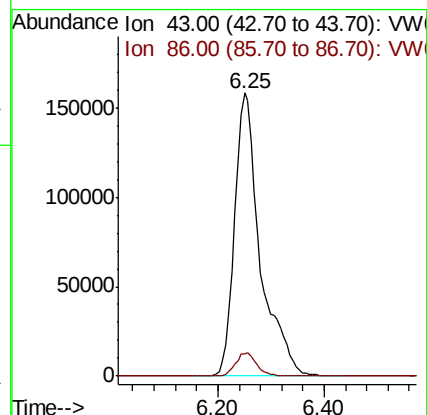
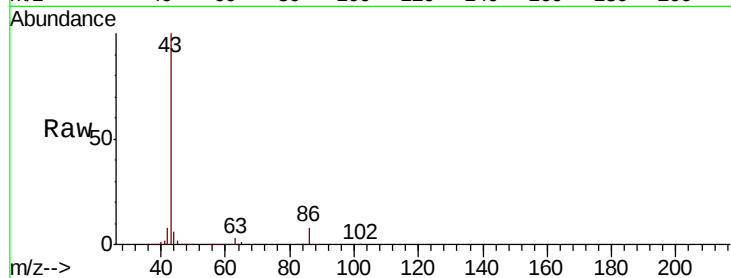
VW0720SBSD01

Tot Ion: 43 Resp: 532240

Ion Ratio Lower Upper

43 100

86 8.0 6.5 9.7



#24

1,1-Dichloroethane

Concen: 20.723 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.01 min

Lab File: VW011393.D

Acq: 20 Jul 2019 00:25

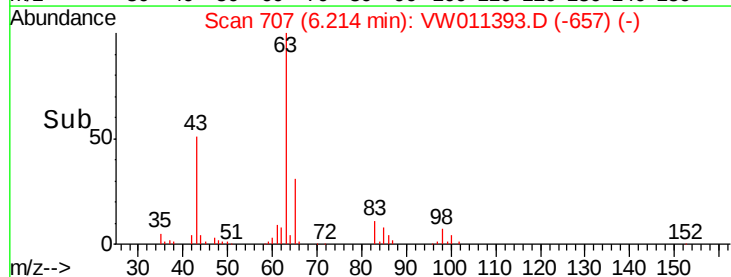
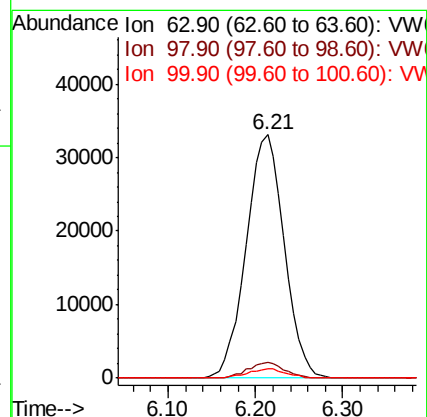
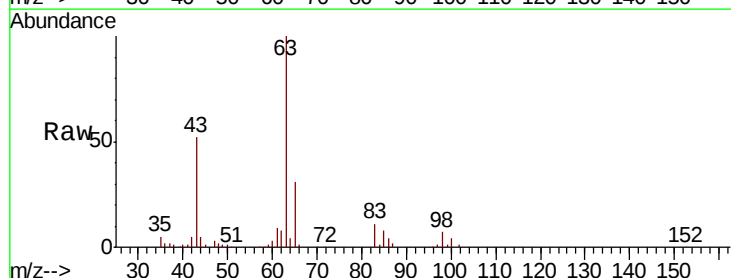
Tgt Ion: 63 Resp: 100191

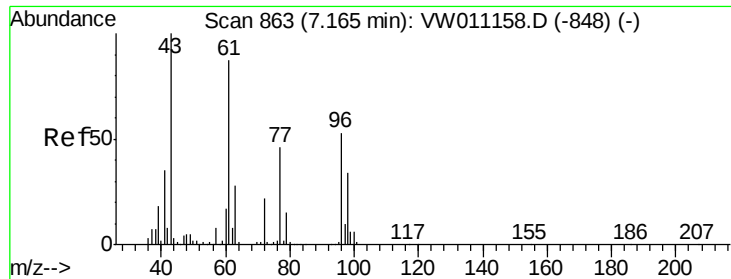
Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.9

100 3.9 2.1 6.2

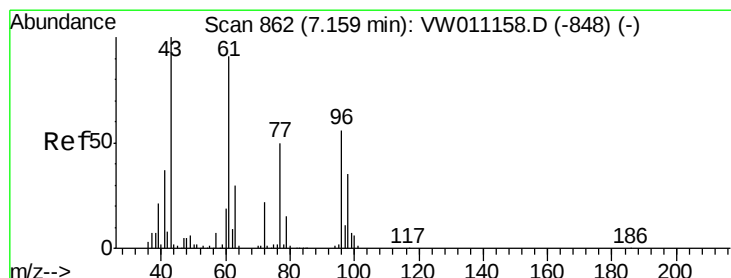
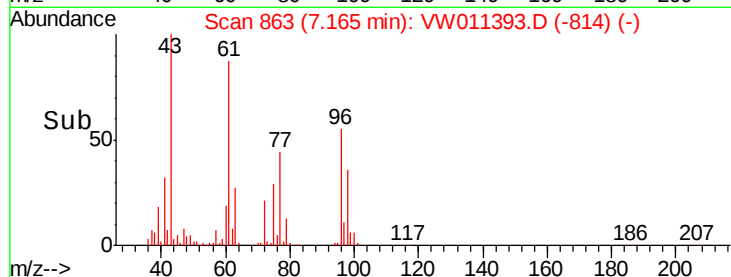
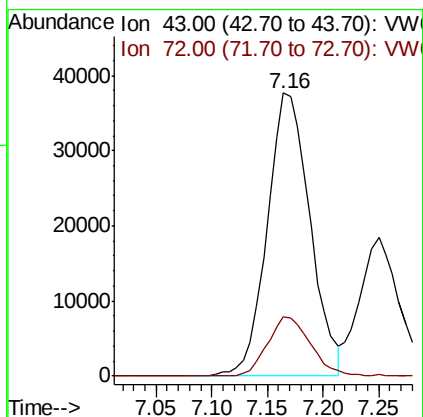
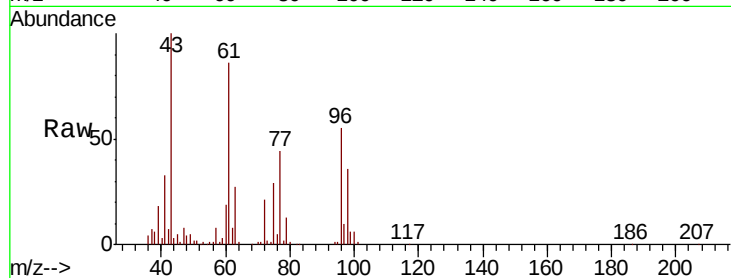




#25
 2-Butanone
 Concen: 99.915 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW011393.D
 Acq: 20 Jul 2019 00:25

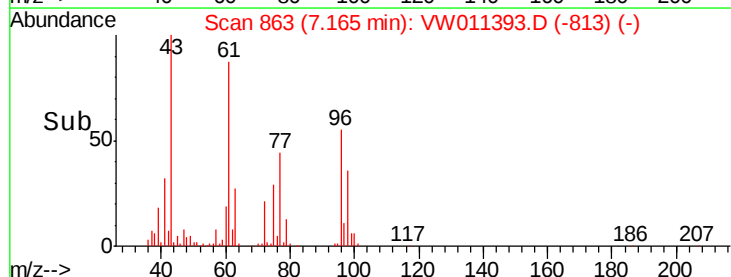
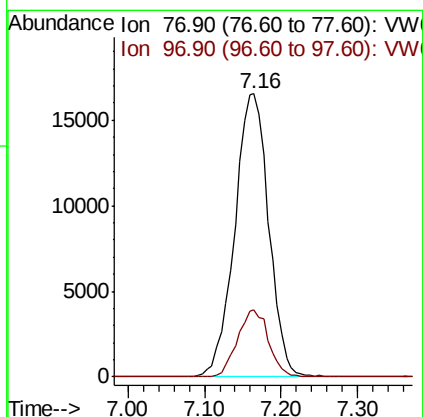
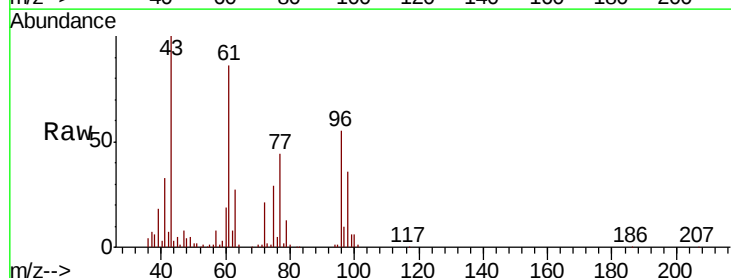
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0720SBSD01

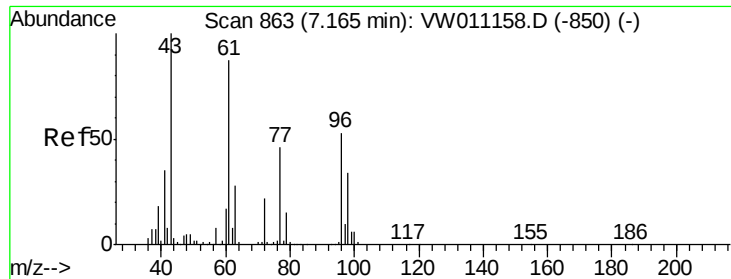
Tot Ion: 43 Resp: 100204
 Ion Ratio Lower Upper
 43 100
 72 21.1 17.6 26.4



#26
 2,2-Dichloropropane
 Concen: 20.294 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. 0.01 min
 Lab File: VW011393.D
 Acq: 20 Jul 2019 00:25

Tgt Ion: 77 Resp: 51003
 Ion Ratio Lower Upper
 77 100
 97 21.7 11.2 33.5



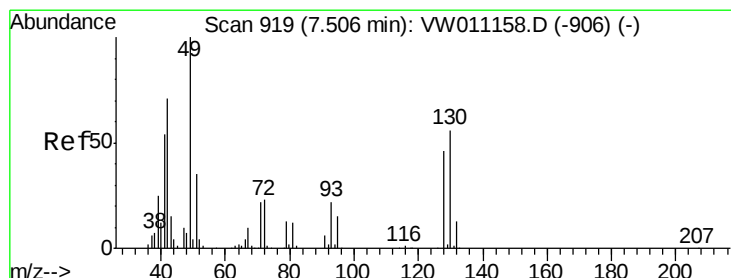
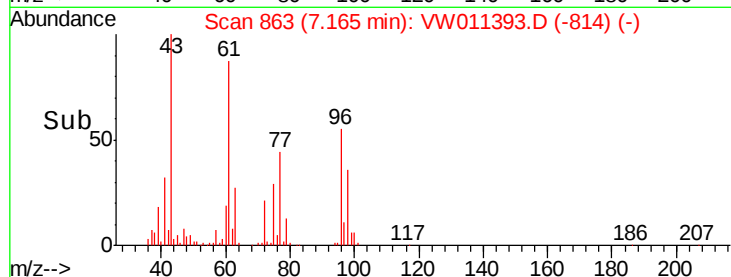
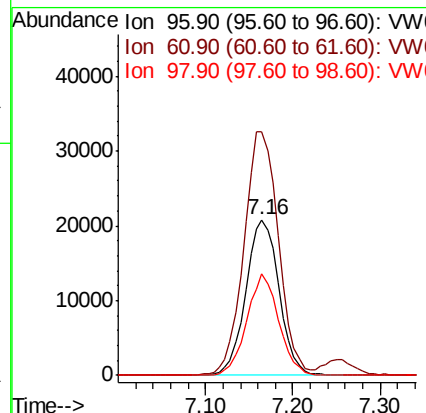
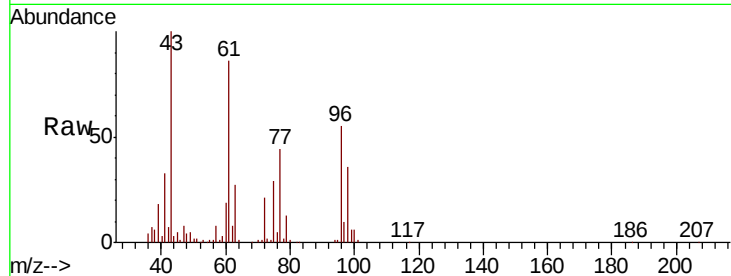


#27

cis-1,2-Dichloroethene
 Concen: 20.830 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW011393.D
 Acq: 20 Jul 2019 00:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0720SBS01

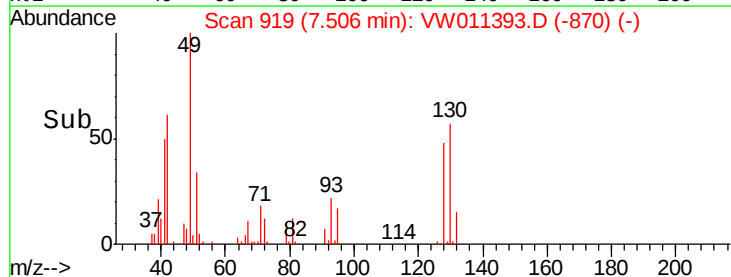
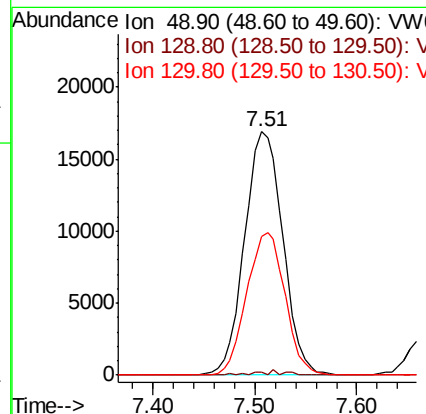
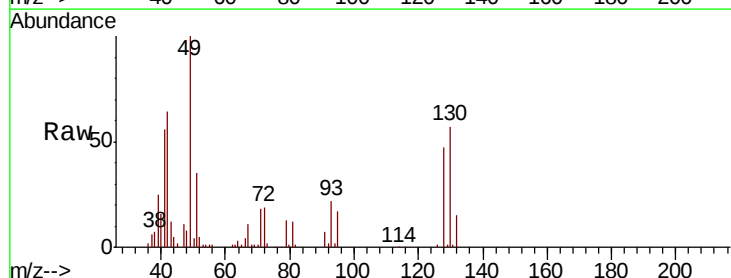
Tot Ion	Ratio	Lower	Upper
96	100		
61	162.9	0.0	325.6
98	62.6	0.0	128.2

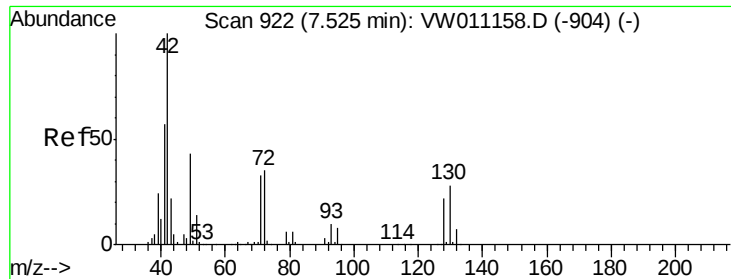


#28

Bromochloromethane
 Concen: 20.059 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW011393.D
 Acq: 20 Jul 2019 00:25

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.3	0.0	1.4
130	58.4	45.8	68.8

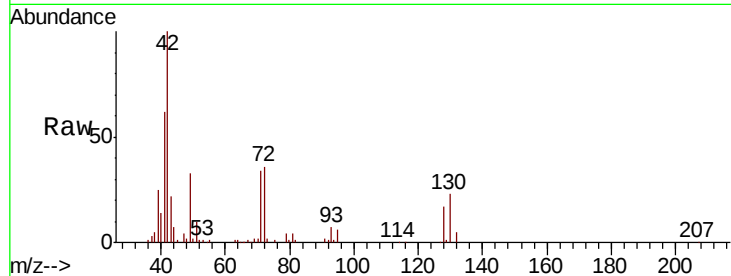




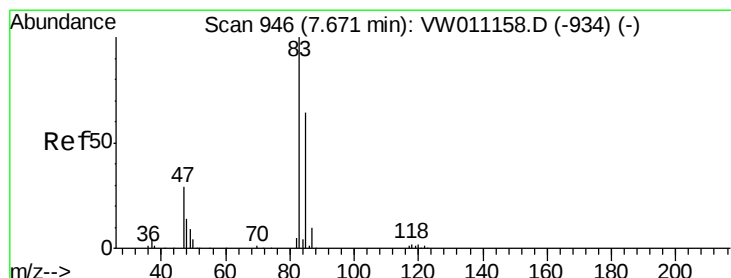
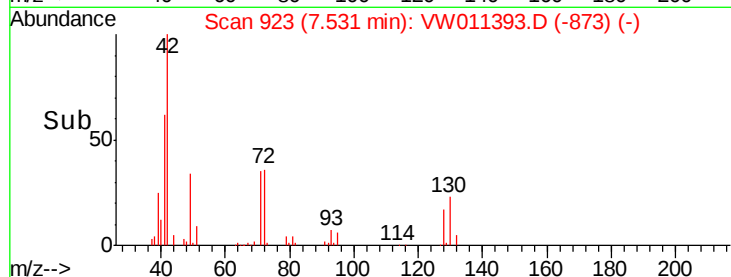
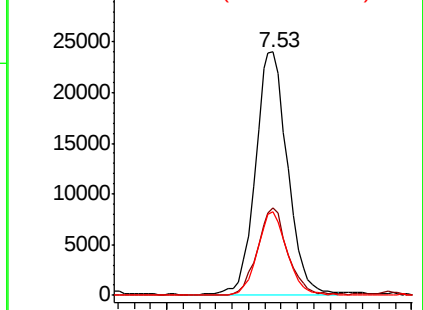
#29
Tetrahydrofuran
Concen: 100.705 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

Instrument :
MSVOA_W
ClientSampleId :
VW0720SBSD01

Tot Ion: 42 Resp: 66224
Ion Ratio Lower Upper
42 100
72 33.6 27.4 41.2
71 31.5 25.9 38.9

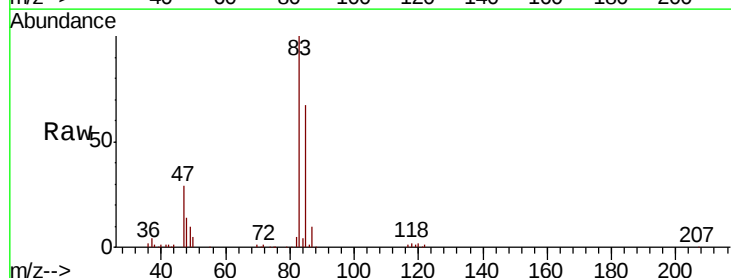


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

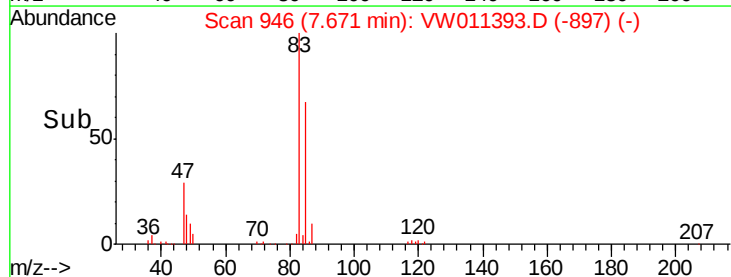
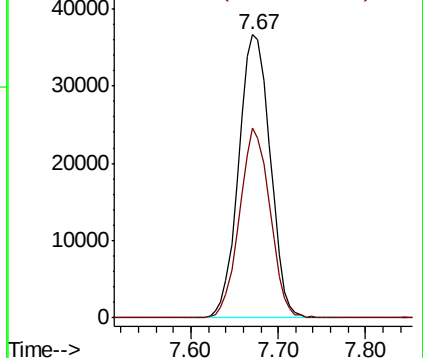


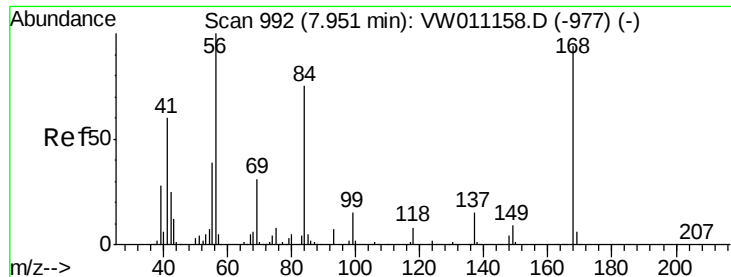
#30
Chloroform
Concen: 20.553 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

Tgt Ion: 83 Resp: 92029
Ion Ratio Lower Upper
83 100
85 67.3 51.4 77.2



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

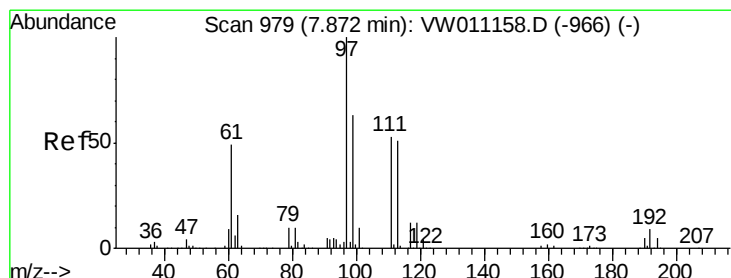
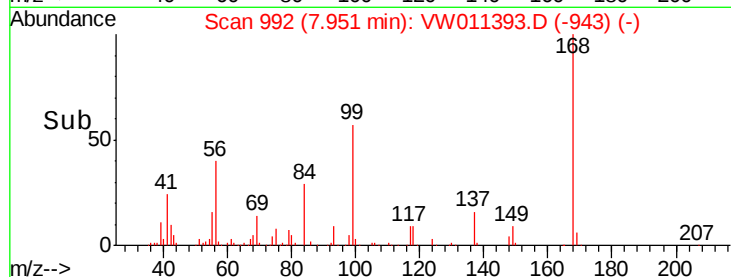
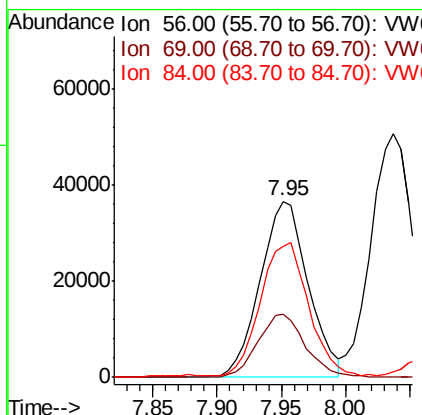
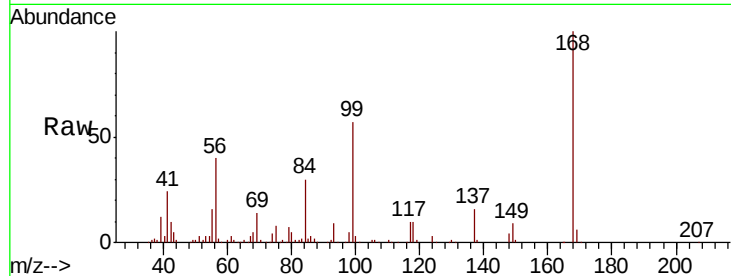




#31
Cyclohexane
Concen: 18.401 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

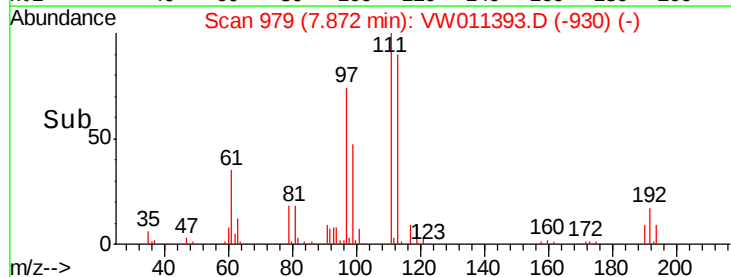
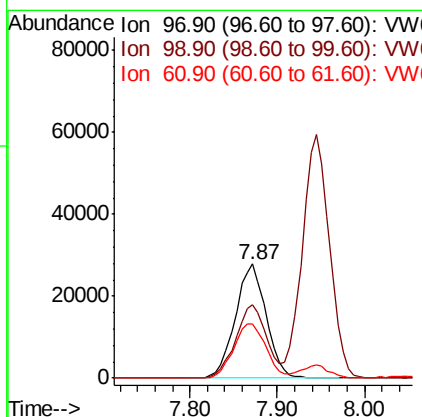
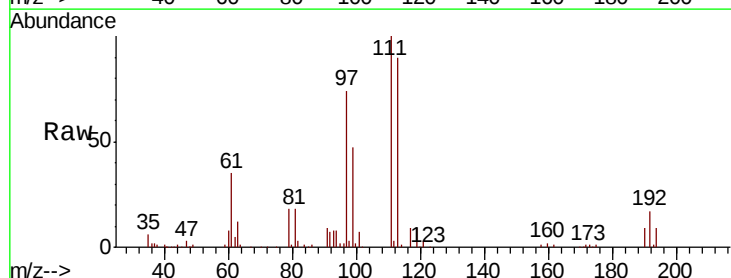
Instrument :
MSVOA_W
ClientSampleId :
VW0720SBSD01

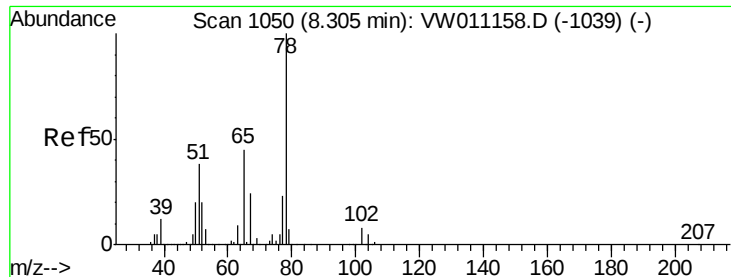
Tot Ion: 56 Resp: 94646
Ion Ratio Lower Upper
56 100
69 35.9 24.6 36.8
84 72.9 60.1 90.1



#32
1,1,1-Trichloroethane
Concen: 19.986 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

Tgt Ion: 97 Resp: 68072
Ion Ratio Lower Upper
97 100
99 63.9 51.0 76.4
61 50.0 40.4 60.6

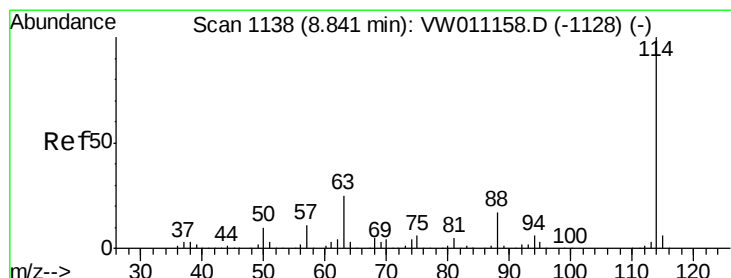
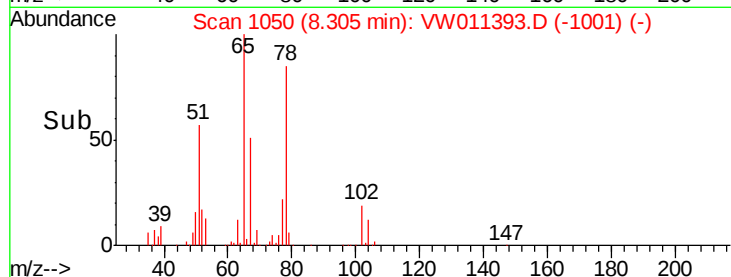
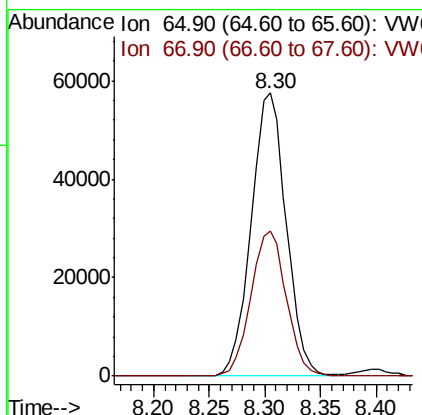
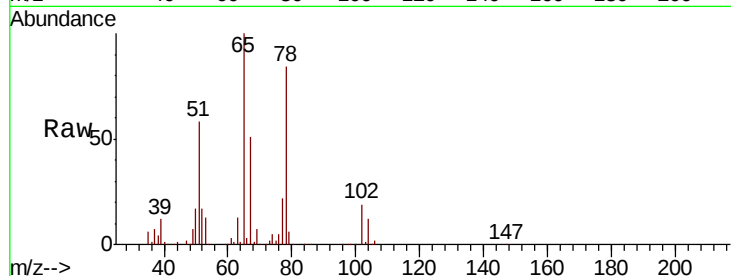




#33
 1,2-Dichloroethane-d4
 Concen: 47.545 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011393.D
 Acq: 20 Jul 2019 00:25

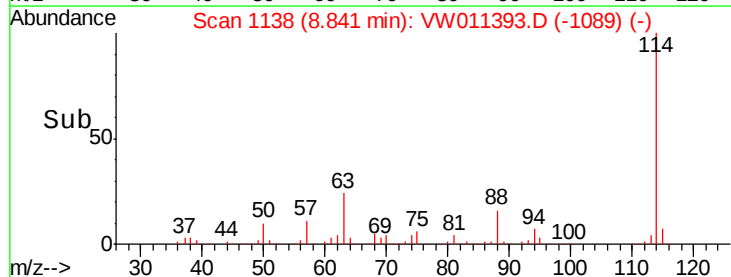
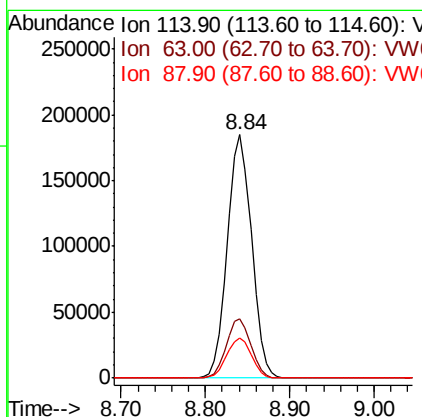
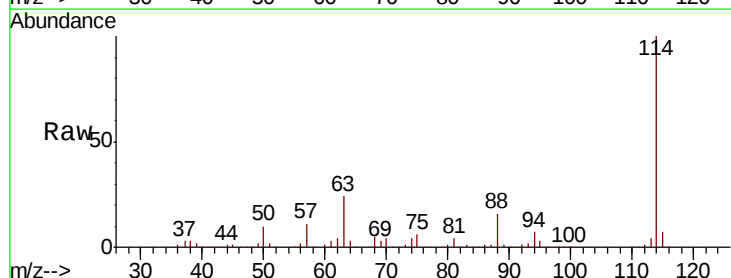
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0720SBSD01

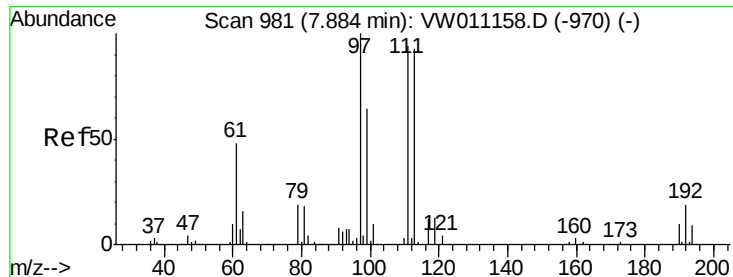
Tot Ion: 65 Resp: 126246
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011393.D
 Acq: 20 Jul 2019 00:25

Tgt Ion: 114 Resp: 360073
 Ion Ratio Lower Upper
 114 100
 63 24.4 0.0 50.8
 88 16.3 0.0 34.2

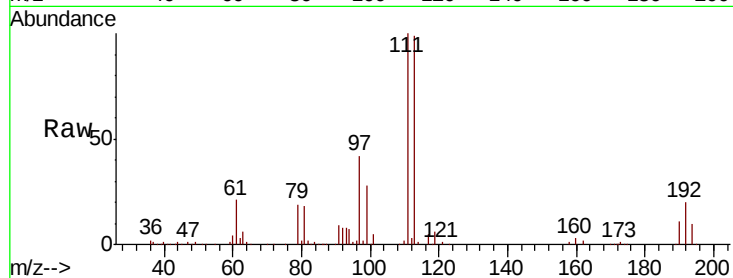




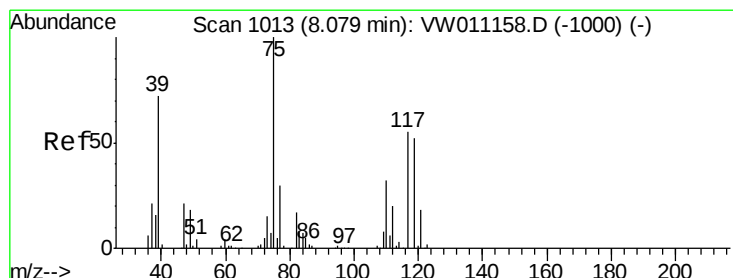
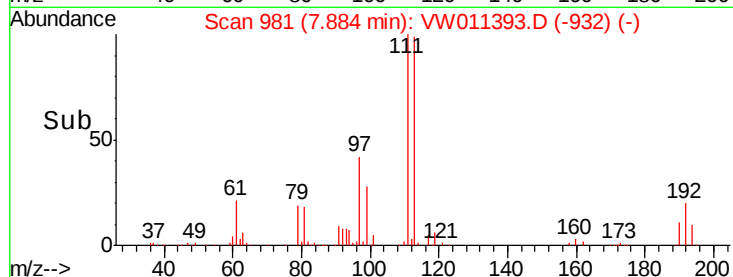
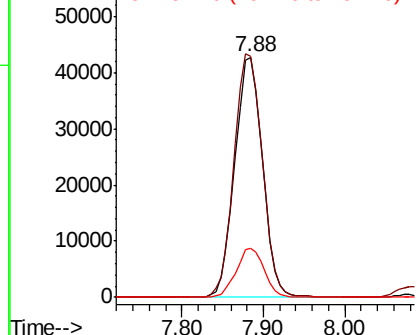
#35
 Dibromofluoromethane
 Concen: 46.842 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011393.D
 Acq: 20 Jul 2019 00:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0720SBSD01

Tot Ion:113 Resp: 100533
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.4 123.6
 192 20.5 15.8 23.8

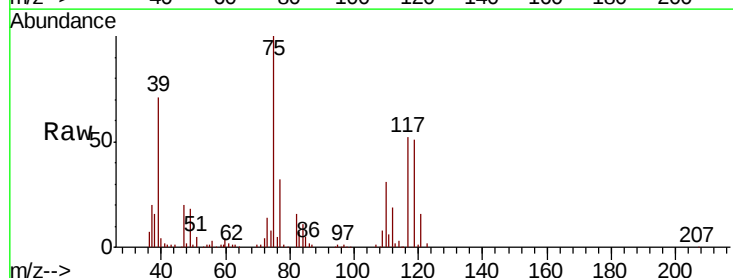


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

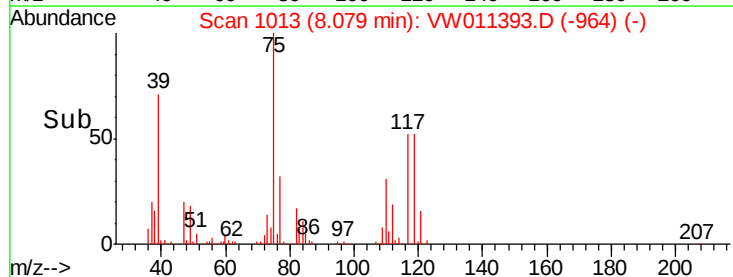
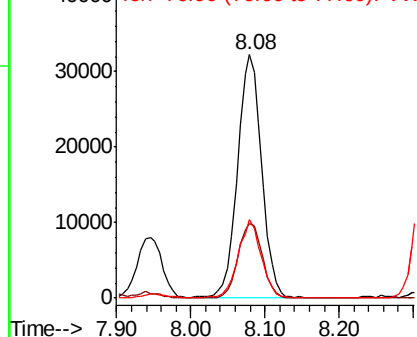


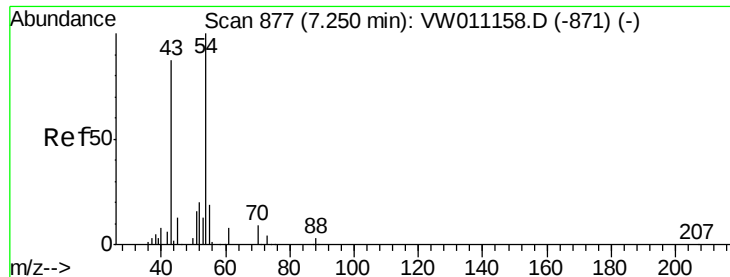
#36
 1,1-Dichloropropene
 Concen: 19.135 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW011393.D
 Acq: 20 Jul 2019 00:25

Tgt Ion: 75 Resp: 73370
 Ion Ratio Lower Upper
 75 100
 110 30.9 15.9 47.6
 77 30.9 24.6 36.8



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

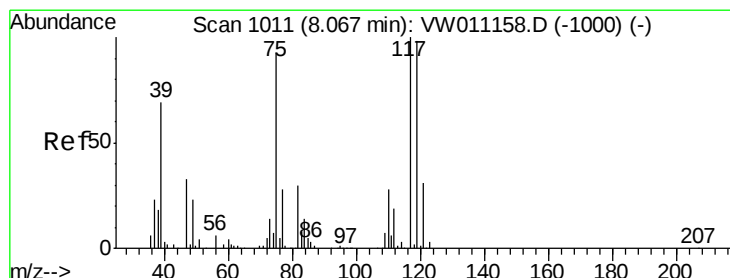
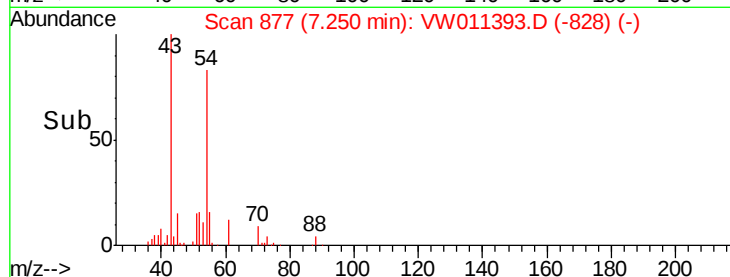
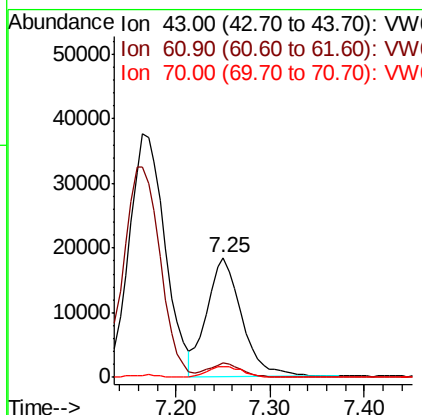
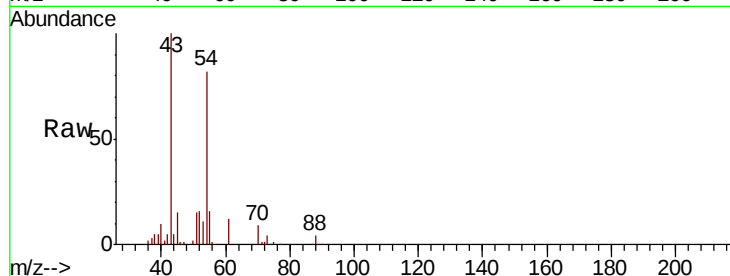




#37
Ethyl Acetate
Concen: 20.445 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

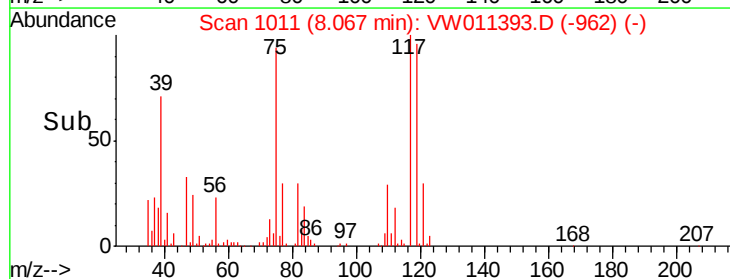
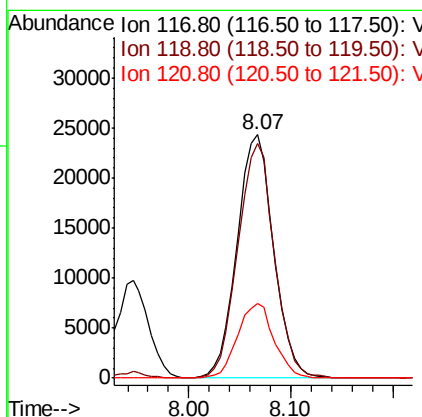
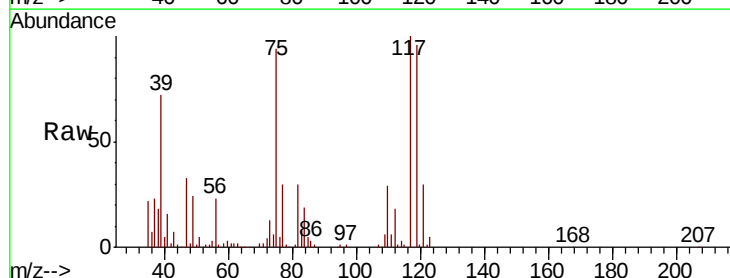
Instrument :
MSVOA_W
ClientSampleId :
VW0720SBS01

Tot Ion: 43 Resp: 47103
Ion Ratio Lower Upper
43 100
61 11.3 9.5 14.3
70 9.2 7.1 10.7



#38
Carbon Tetrachloride
Concen: 18.626 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

Tgt Ion: 117 Resp: 60545
Ion Ratio Lower Upper
117 100
119 96.5 78.1 117.1
121 30.4 25.1 37.7

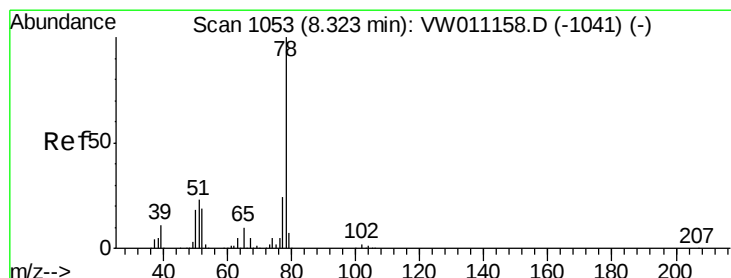
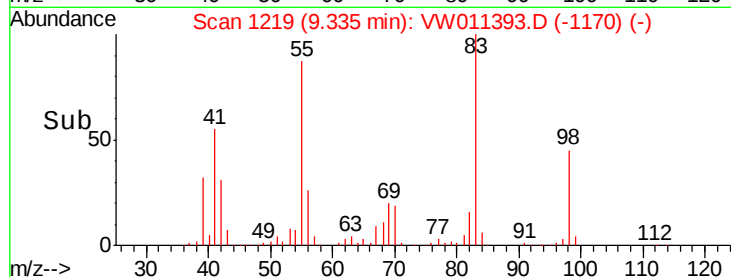
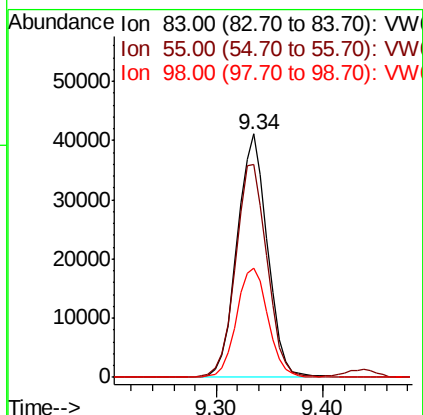
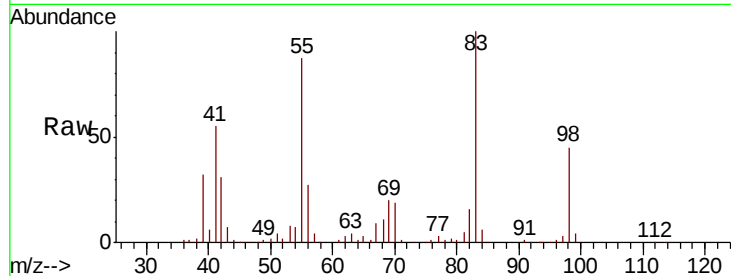




#39
Methvlcvclohexane
Concen: 17.722 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

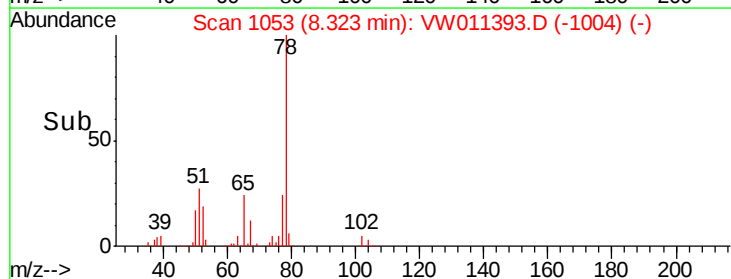
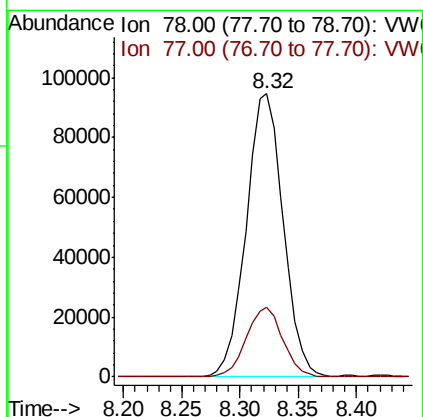
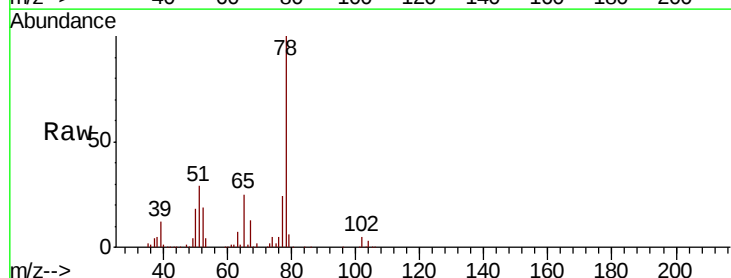
Instrument :
MSVOA_W
ClientSampleId :
VW0720SBSD01

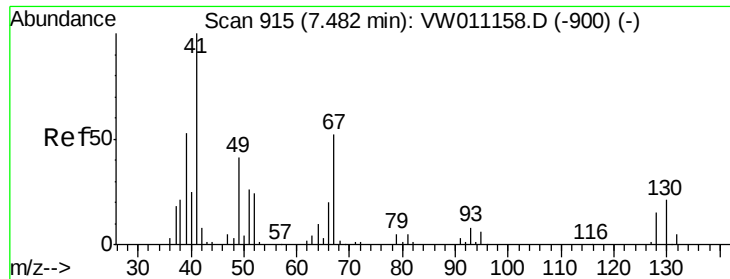
Tot Ion: 83 Resp: 82363
Ion Ratio Lower Upper
83 100
55 87.2 71.2 106.8
98 44.7 37.5 56.3



#40
Benzene
Concen: 19.807 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

Tgt Ion: 78 Resp: 209889
Ion Ratio Lower Upper
78 100
77 24.5 19.0 28.6

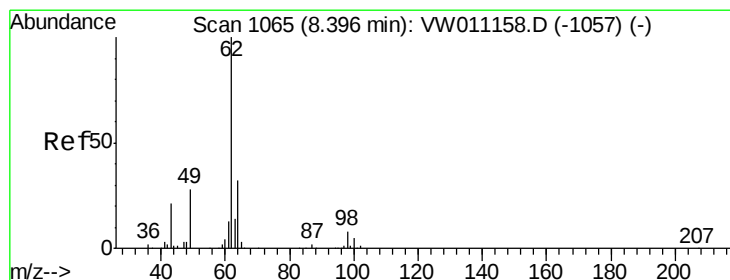
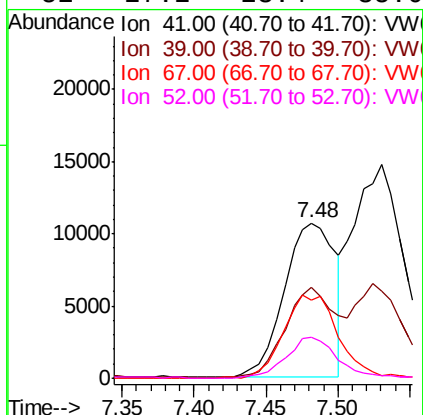
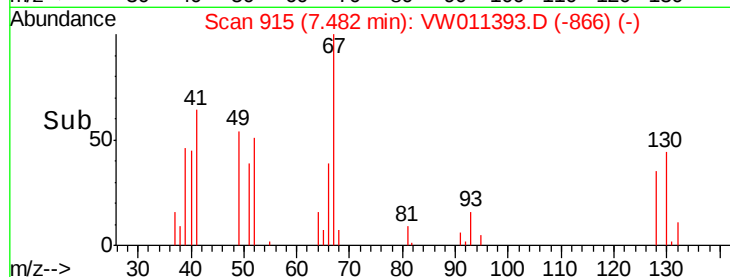
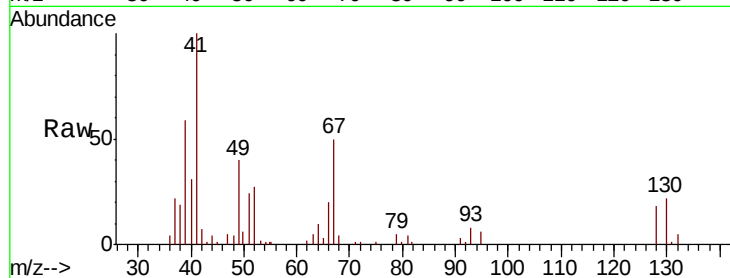




#41
Methacrylonitrile
Concen: 20.041 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

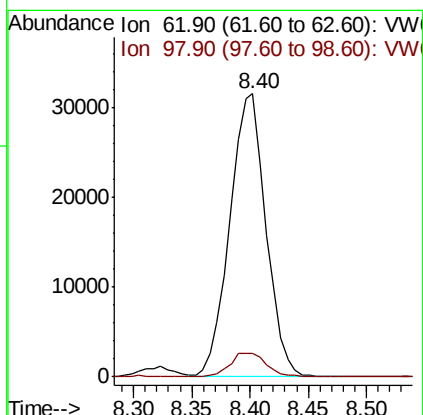
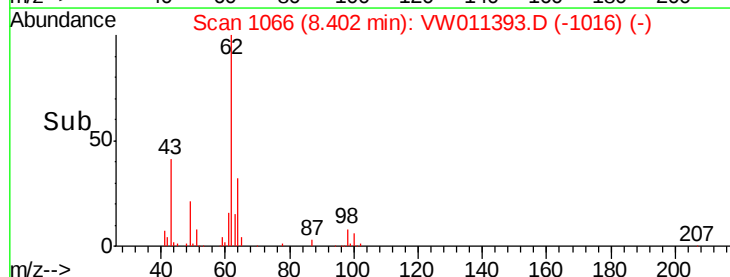
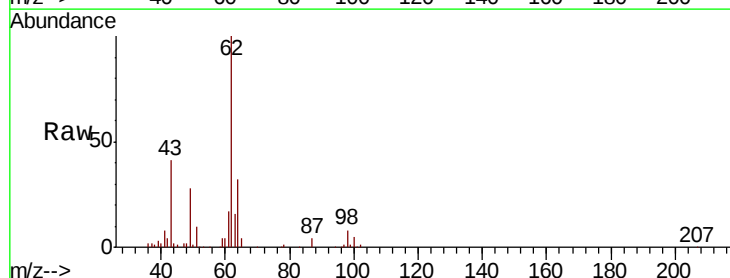
Instrument :
MSVOA_W
ClientSampleId :
VW0720SBSD01

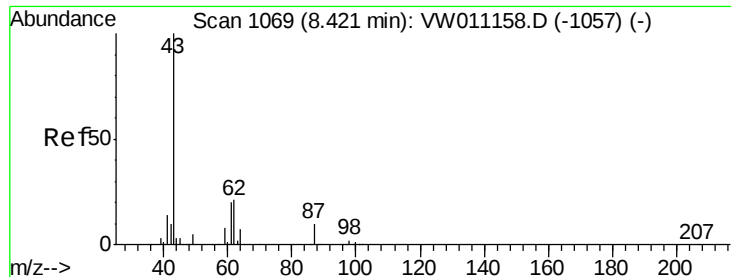
Tot Ion:	41	Resp:	26407
Ion	Ratio	Lower	Upper
41	100		
39	60.0	48.0	72.0
67	58.2	49.7	74.5
52	27.2	23.4	35.0



#42
1,2-Dichloroethane
Concen: 19.886 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

Tgt Ion:	62	Resp:	68359
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	16.8





#43

Isopropyl Acetate

Concen: 19.018 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW011393.D

Acq: 20 Jul 2019 00:25

Instrument :

MSVOA_W

ClientSampleId :

VW0720SBSD01

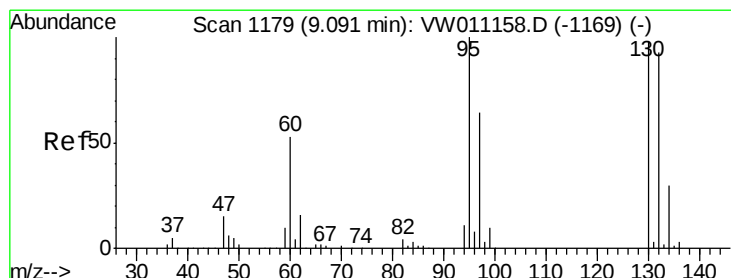
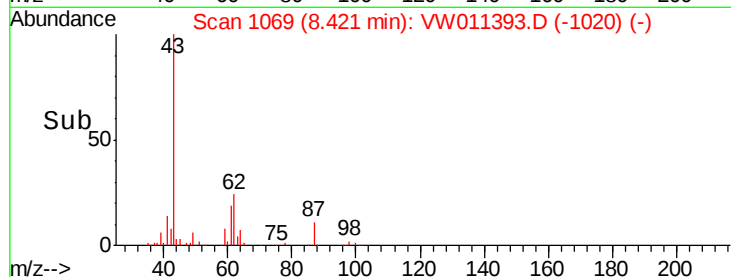
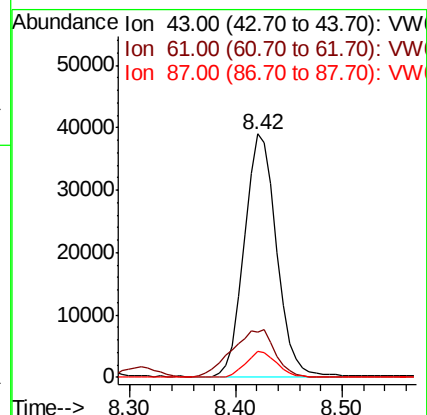
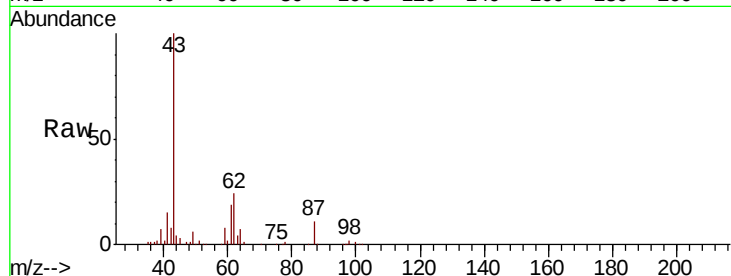
Tot Ion: 43 Resp: 82719

Ion Ratio Lower Upper

43 100

61 26.6 20.7 31.1

87 10.3 8.1 12.1



#44

Trichloroethene

Concen: 19.567 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW011393.D

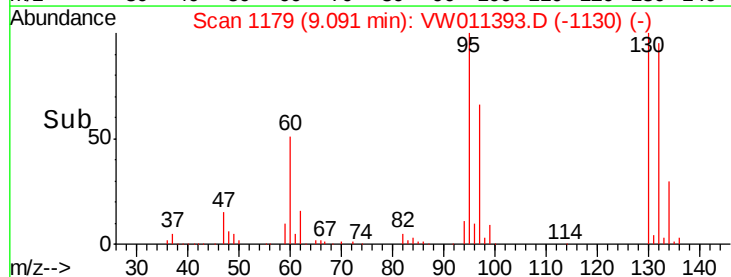
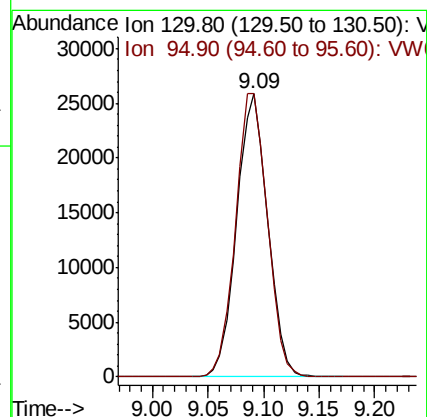
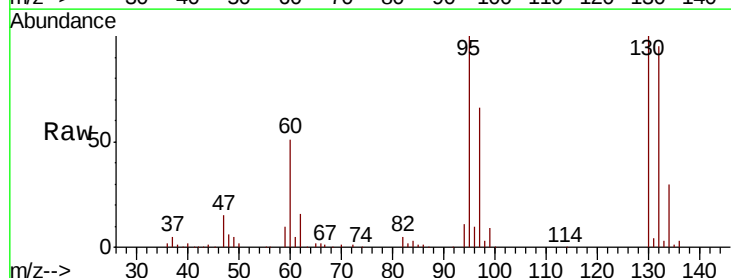
Acq: 20 Jul 2019 00:25

Tgt Ion: 130 Resp: 49897

Ion Ratio Lower Upper

130 100

95 99.9 0.0 203.6

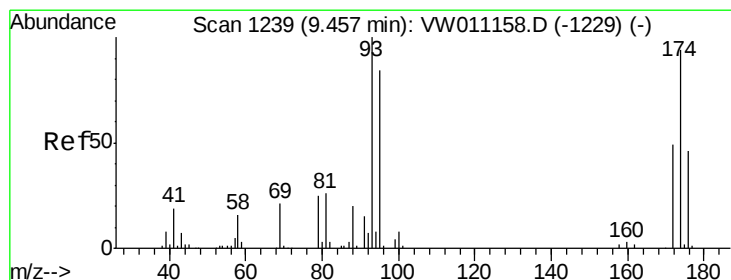
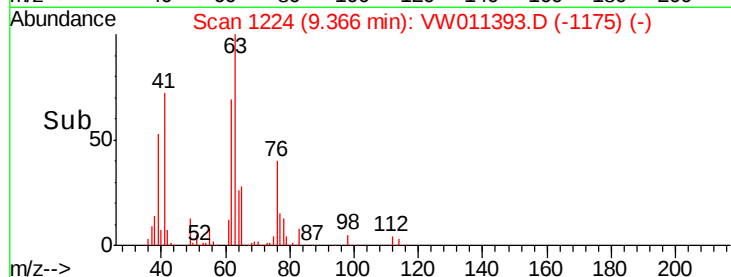
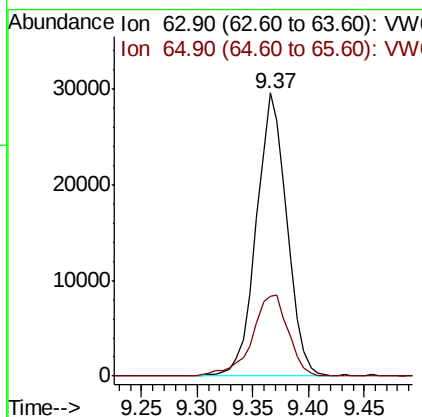
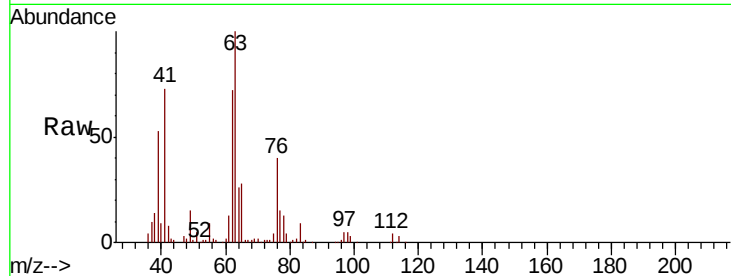




#45
 1,2-Dichloropropane
 Concen: 19.742 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011393.D
 Acq: 20 Jul 2019 00:25

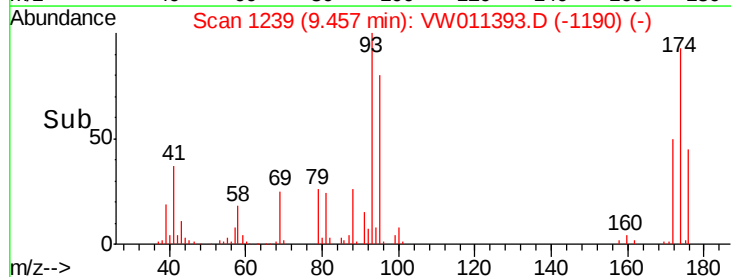
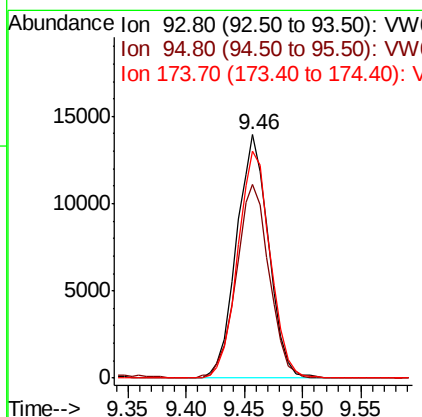
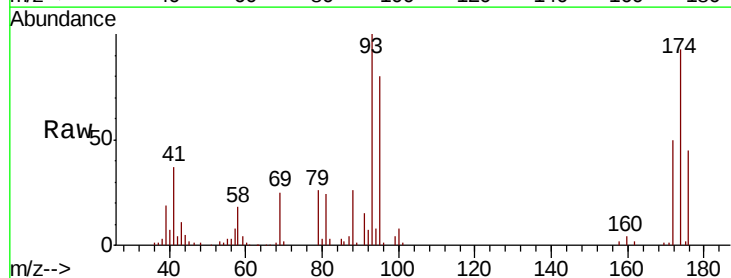
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0720SBSD01

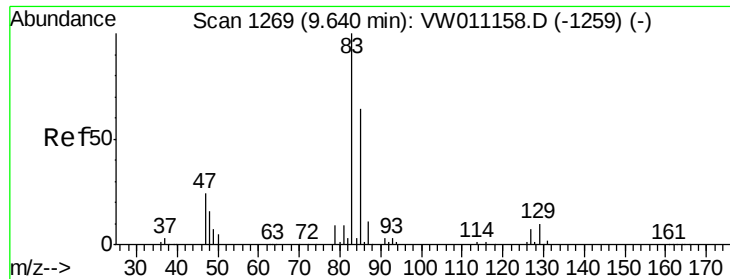
Tot Ion: 63 Resp: 56651
 Ion Ratio Lower Upper
 63 100
 65 28.3 24.4 36.6



#46
 Dibromomethane
 Concen: 19.861 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW011393.D
 Acq: 20 Jul 2019 00:25

Tgt Ion: 93 Resp: 26772
 Ion Ratio Lower Upper
 93 100
 95 81.4 67.2 100.8
 174 94.4 76.3 114.5





#47

Bromodichloromethane

Concen: 19.626 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW011393.D

Acq: 20 Jul 2019 00:25

Instrument :

MSVOA_W

ClientSampleId :

VW0720SBSD01

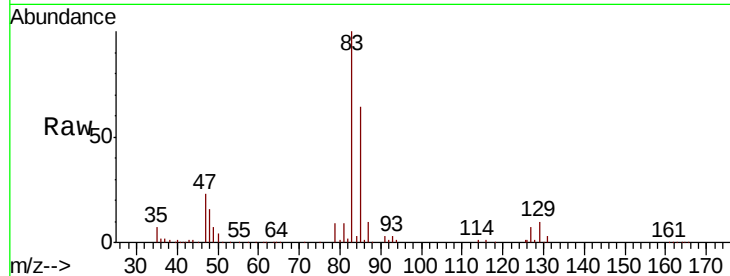
Tot Ion: 83 Resp: 67692

Ion Ratio Lower Upper

83 100

85 64.0 51.0 76.4

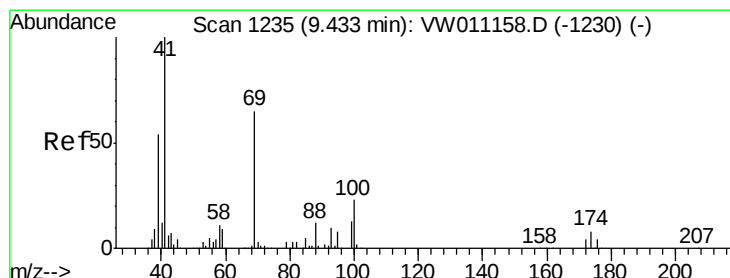
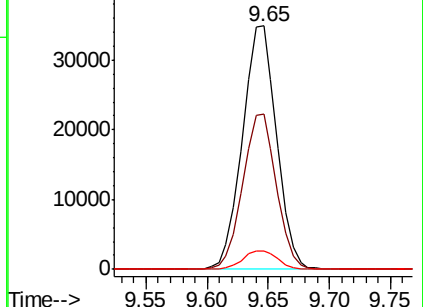
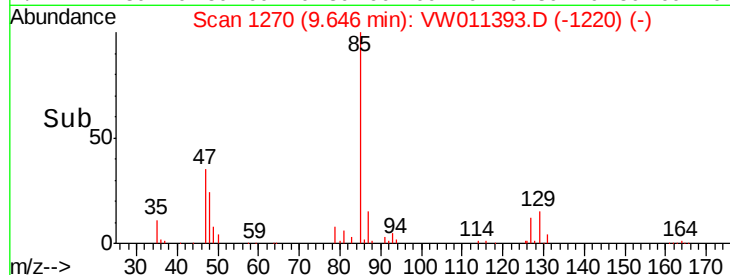
127 7.5 6.0 9.0



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: 18.880 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW011393.D

Acq: 20 Jul 2019 00:25

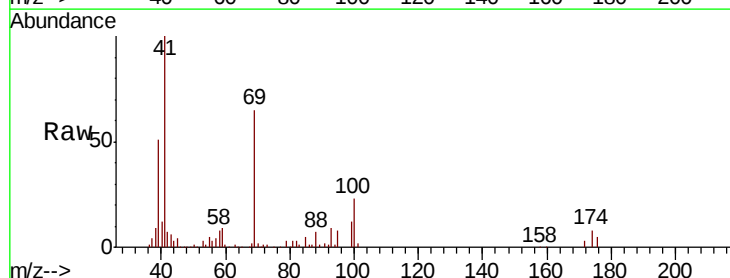
Tgt Ion: 41 Resp: 39509

Ion Ratio Lower Upper

41 100

69 70.7 56.0 84.0

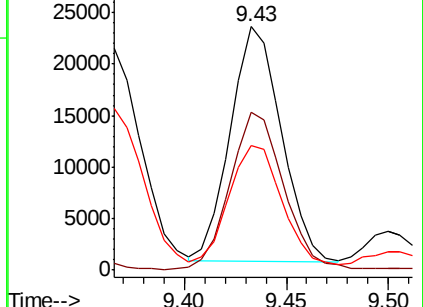
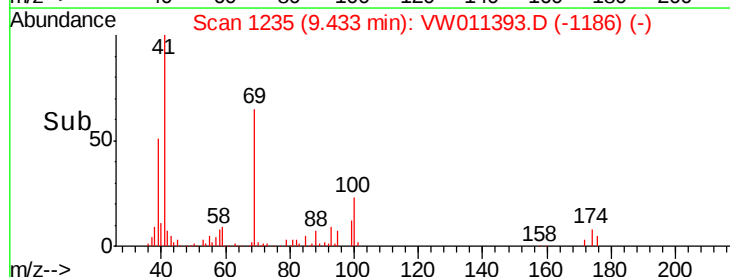
39 56.9 43.5 65.3

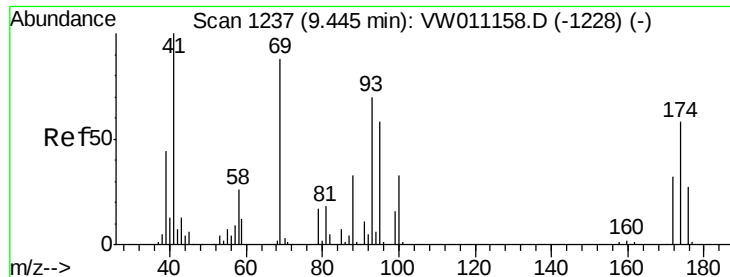


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 382.793 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW011393.D

Acq: 20 Jul 2019 00:25

Instrument :

MSVOA_W

ClientSampleId :

VW0720SBSD01

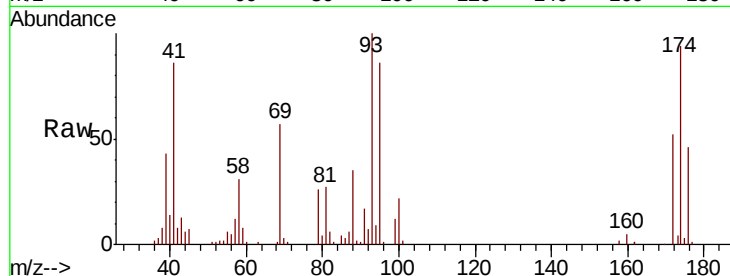
Tot Ion: 88 Resp: 8613

Ion Ratio Lower Upper

88 100

43 39.6 33.4 50.0

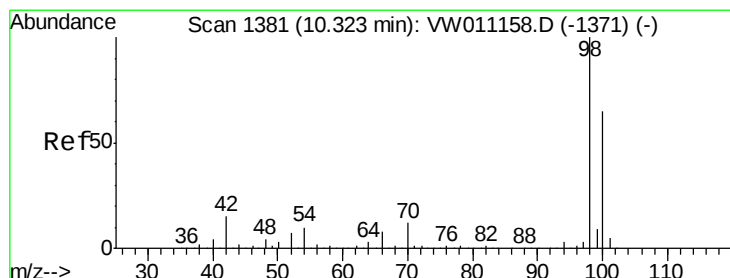
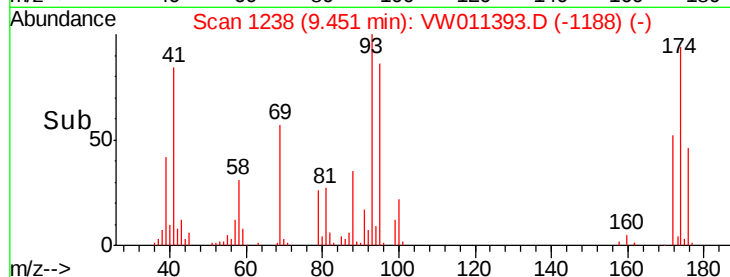
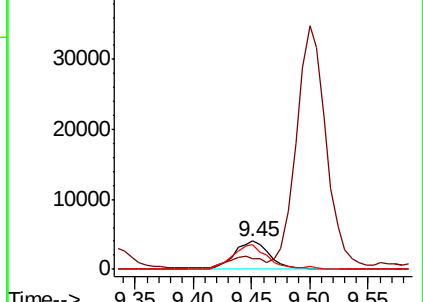
58 85.9 64.5 96.7



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 46.349 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011393.D

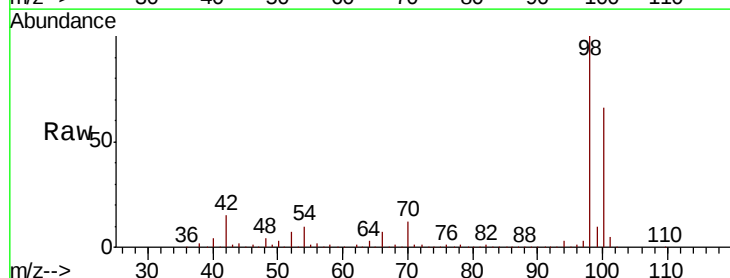
Acq: 20 Jul 2019 00:25

Tgt Ion: 98 Resp: 402091

Ion Ratio Lower Upper

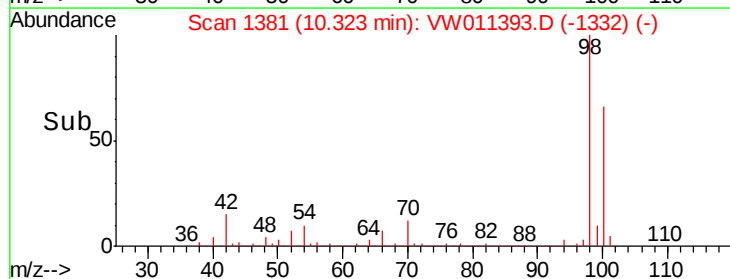
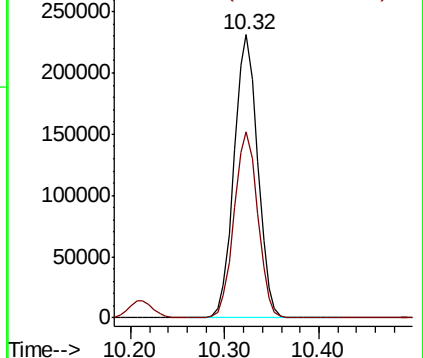
98 100

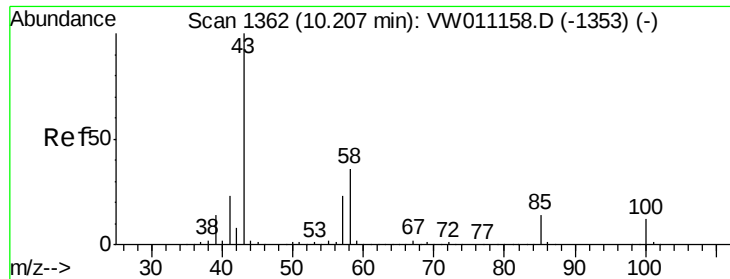
100 65.8 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 96.868 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011393.D

Acq: 20 Jul 2019 00:25

Instrument :

MSVOA_W

ClientSampleID :

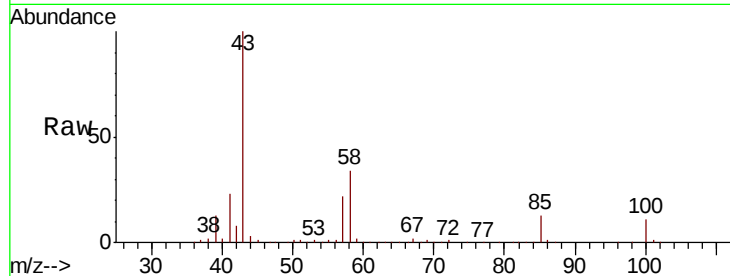
VW0720SBSD01

Tot Ion: 43 Resp: 220096

Ion Ratio Lower Upper

43 100

58 34.7 28.2 42.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

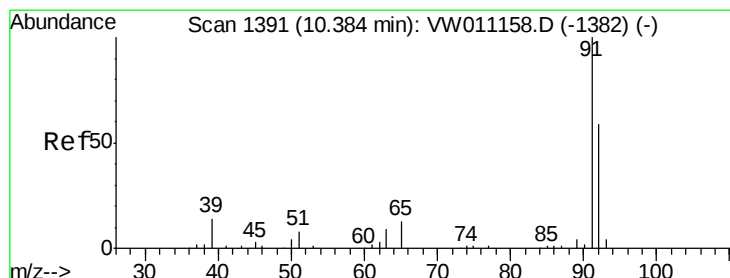
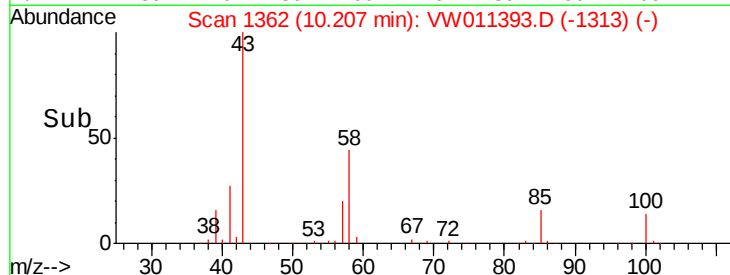
10.21

100000

50000

0

Time-->



#52

Toluene

Concen: 19.662 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW011393.D

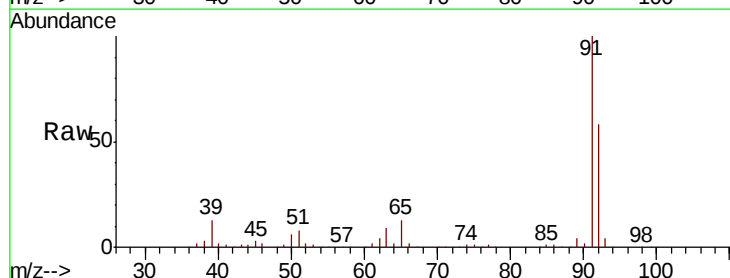
Acq: 20 Jul 2019 00:25

Tgt Ion: 92 Resp: 126393

Ion Ratio Lower Upper

92 100

91 171.9 136.6 205.0



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

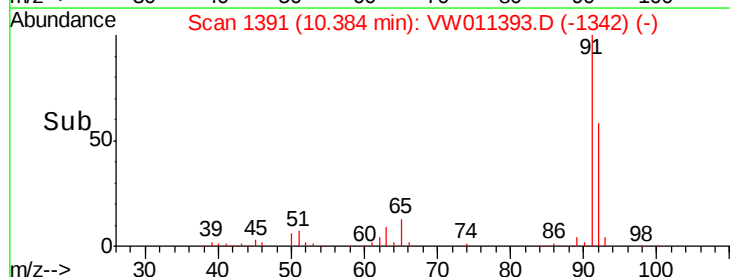
10.38

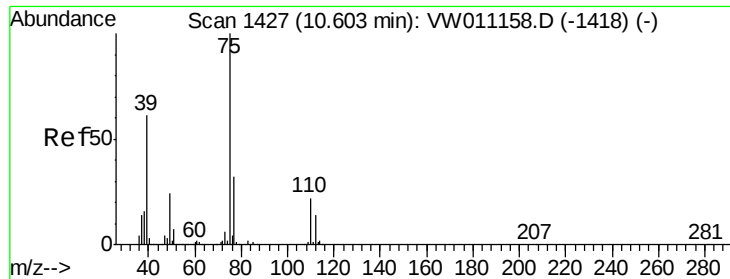
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.157 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW011393.D

Acq: 20 Jul 2019 00:25

Instrument :

MSVOA_W

ClientSampleId :

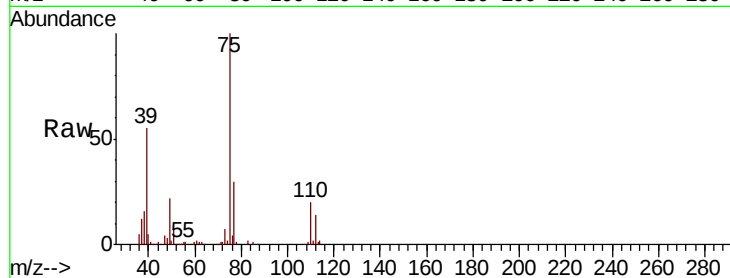
VW0720SBSD01

Tot Ion: 75 Resp: 66659

Ion Ratio Lower Upper

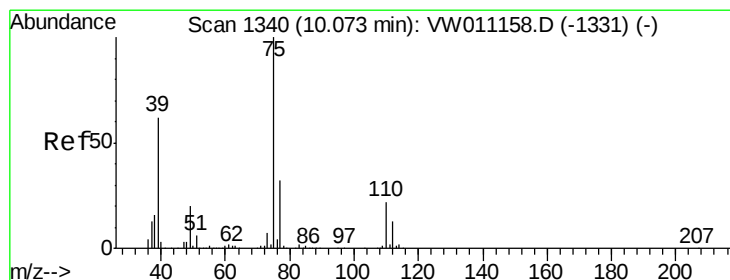
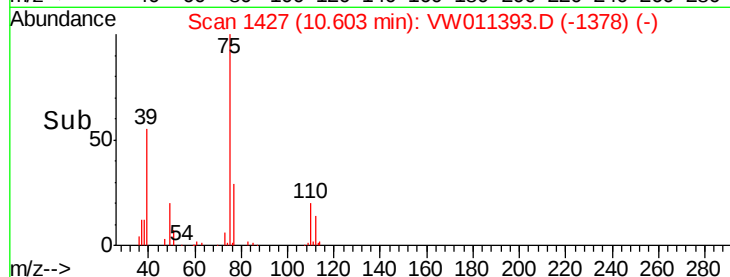
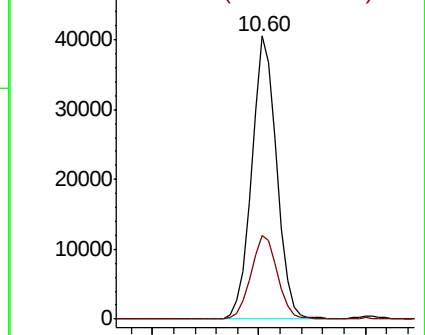
75 100

77 29.7 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 18.188 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW011393.D

Acq: 20 Jul 2019 00:25

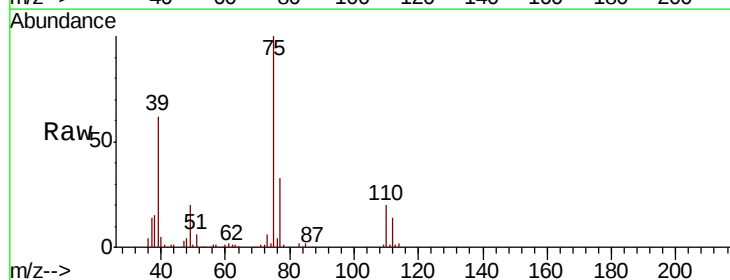
Tgt Ion: 75 Resp: 78597

Ion Ratio Lower Upper

75 100

77 33.5 25.7 38.5

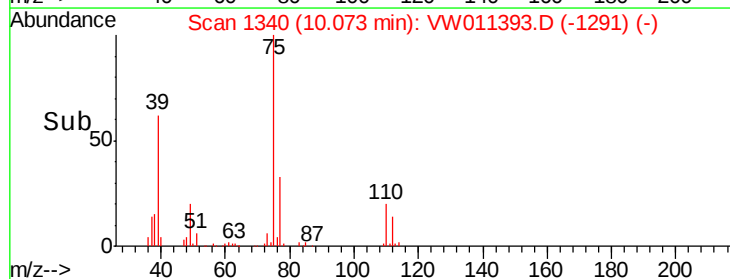
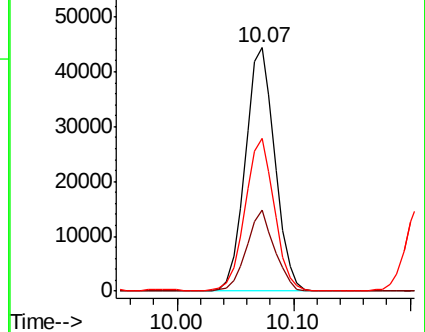
39 62.3 49.8 74.8

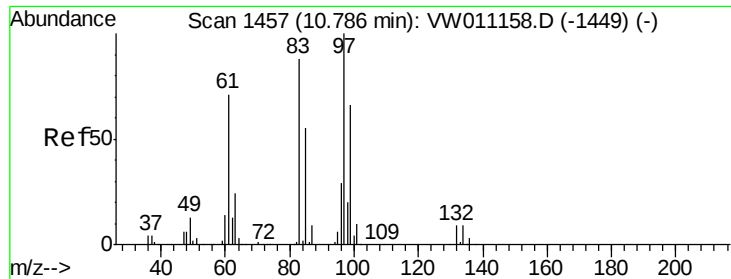


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

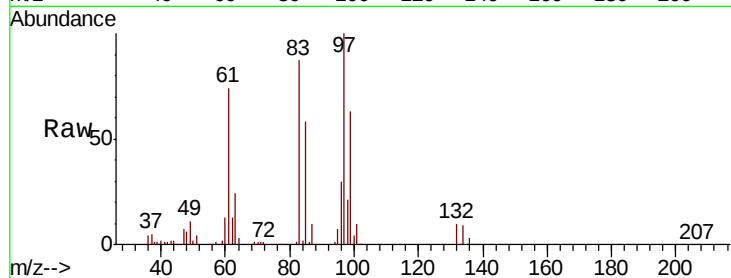




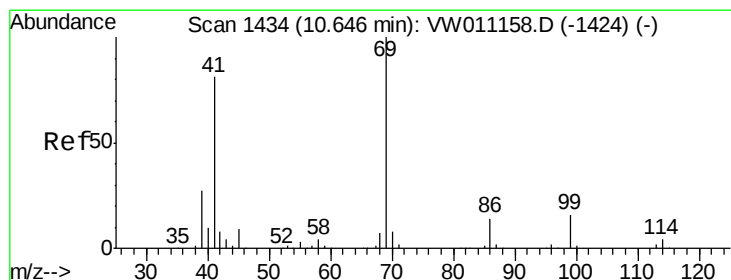
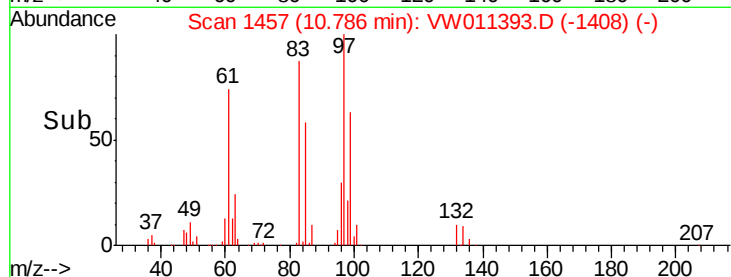
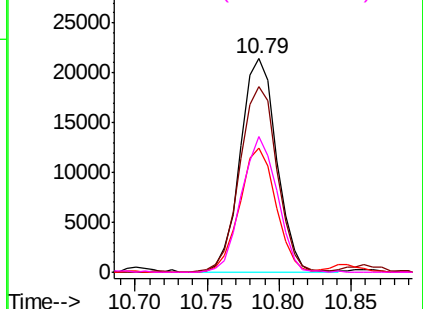
#55
 1,1,2-Trichloroethane
 Concen: 19.547 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW011393.D
 Acq: 20 Jul 2019 00:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0720SBSD01

Tot Ion: 97 Resp: 37380
 Ion Ratio Lower Upper
 97 100
 83 87.0 70.2 105.4
 85 58.4 44.2 66.2
 99 63.2 52.6 79.0

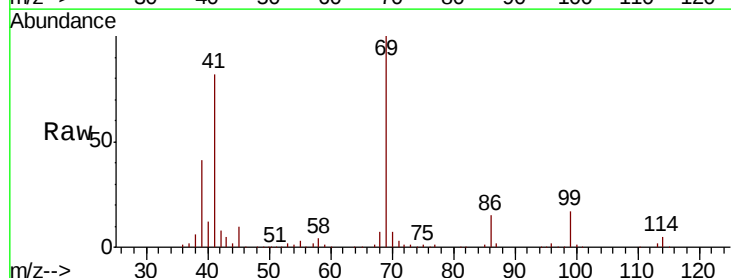


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

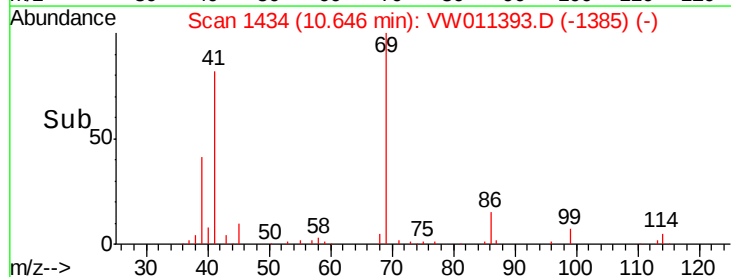
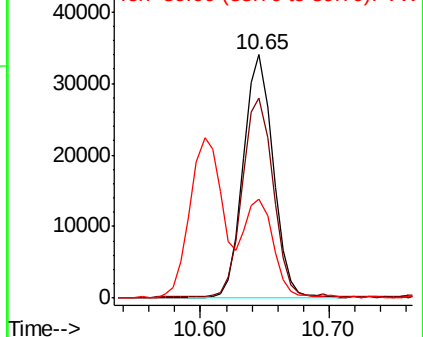


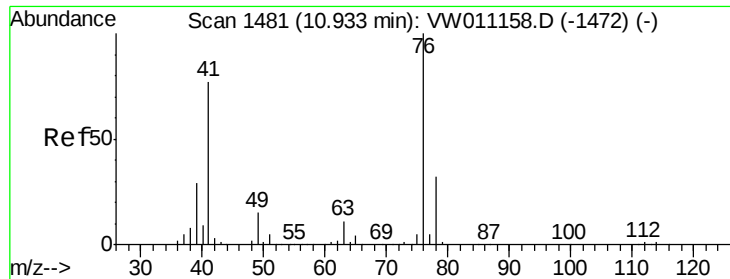
#56
 Ethyl methacrylate
 Concen: 18.708 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW011393.D
 Acq: 20 Jul 2019 00:25

Tgt Ion: 69 Resp: 54468
 Ion Ratio Lower Upper
 69 100
 41 84.5 66.5 99.7
 39 39.0 32.5 48.7



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

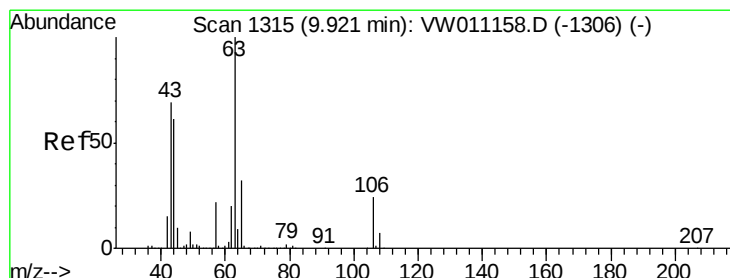
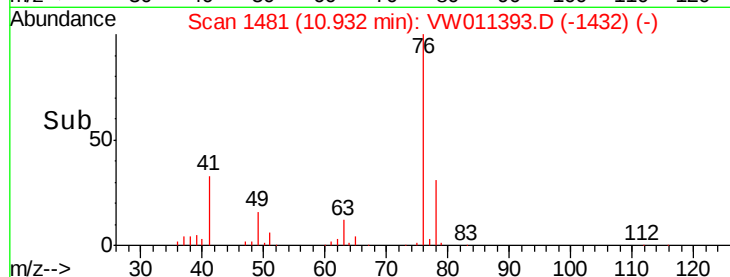
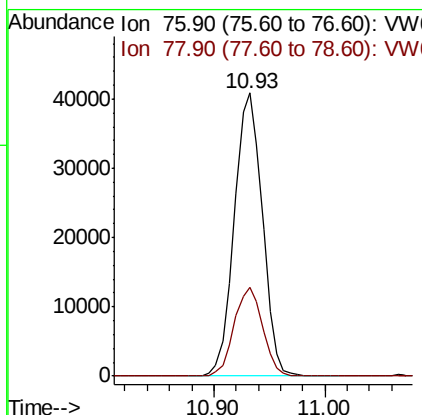
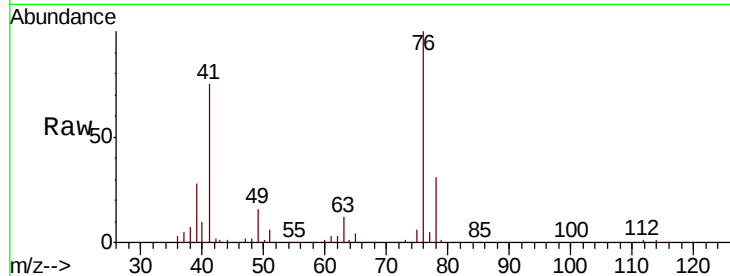




#57
 1,3-Dichloropropane
 Concen: 19.697 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW011393.D
 Acq: 20 Jul 2019 00:25

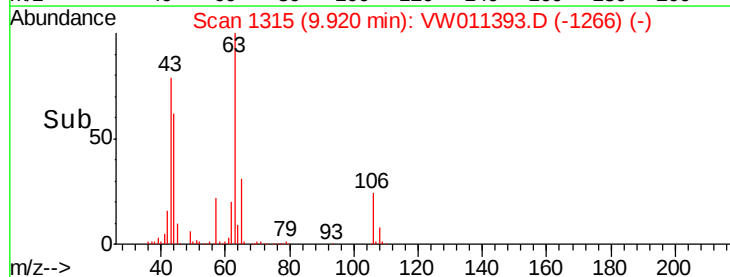
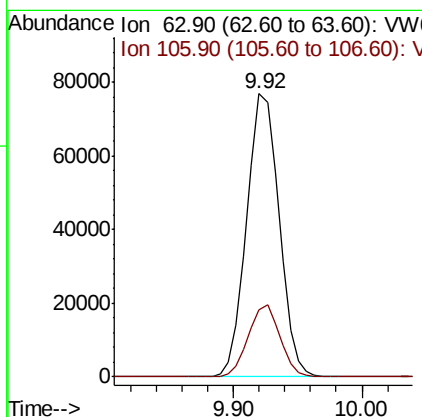
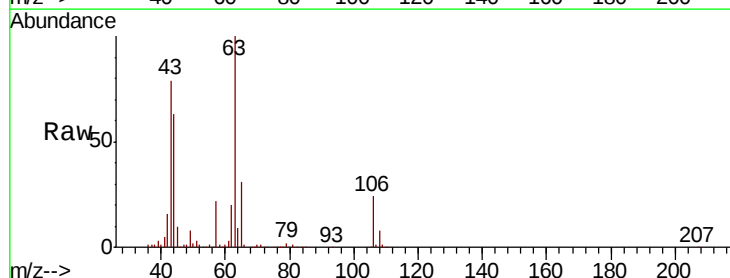
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0720SBSD01

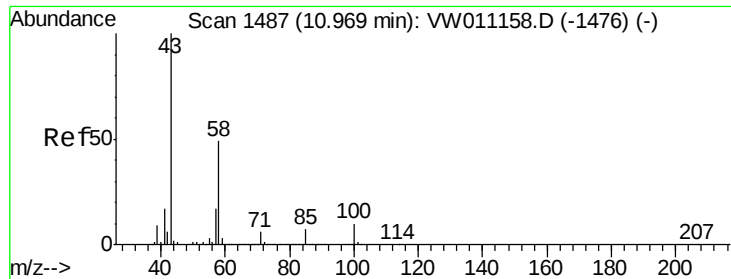
Tot Ion: 76 Resp: 71230
 Ion Ratio Lower Upper
 76 100
 78 31.9 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 99.503 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW011393.D
 Acq: 20 Jul 2019 00:25

Tgt Ion: 63 Resp: 134306
 Ion Ratio Lower Upper
 63 100
 106 24.8 19.4 29.0

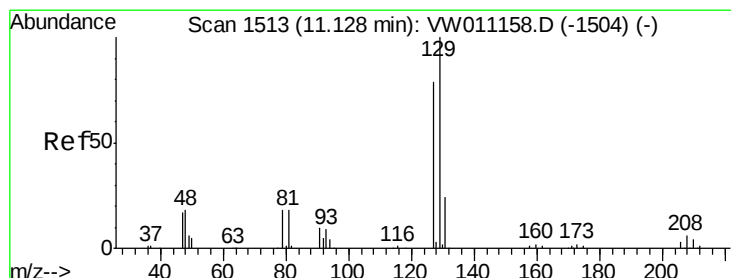
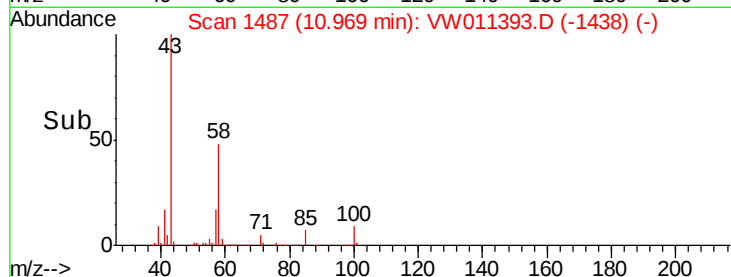
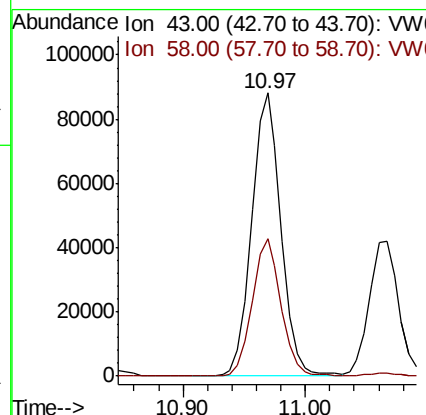
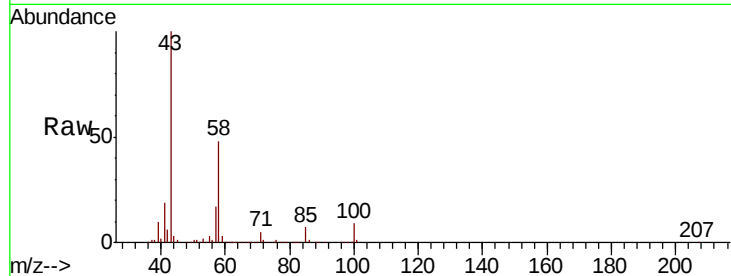




#59
2-Hexanone
Concen: 92.753 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

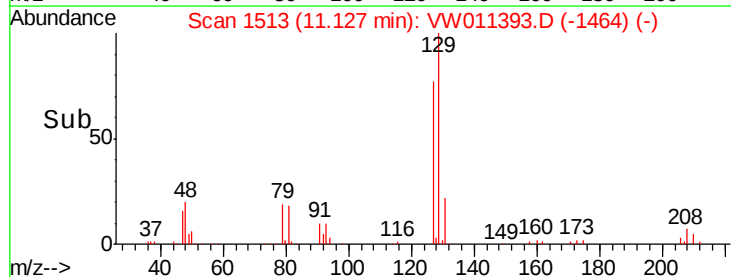
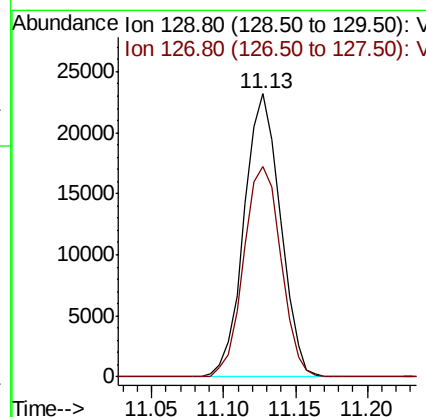
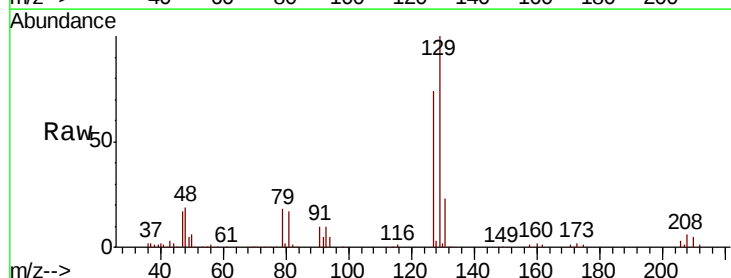
Instrument :
MSVOA_W
ClientSampleId :
VW0720SBSD01

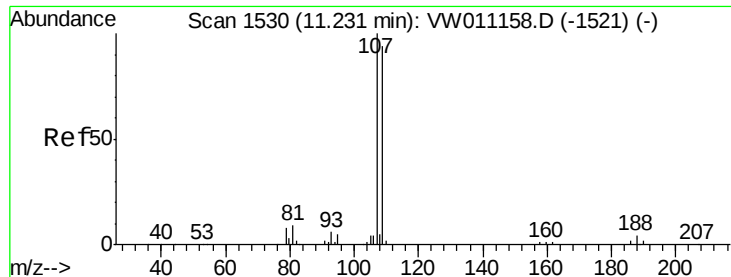
Tot Ion: 43 Resp: 146152
Ion Ratio Lower Upper
43 100
58 47.9 24.4 73.4



#60
Dibromochloromethane
Concen: 19.325 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

Tgt Ion: 129 Resp: 40525
Ion Ratio Lower Upper
129 100
127 76.1 39.1 117.3

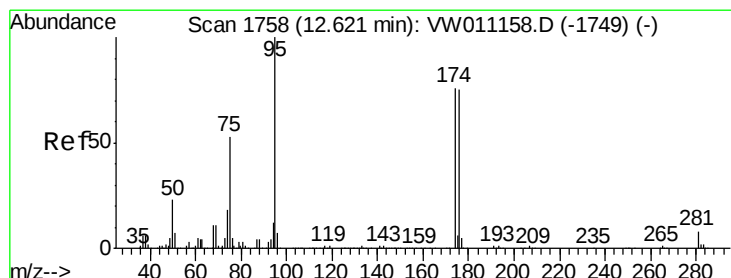
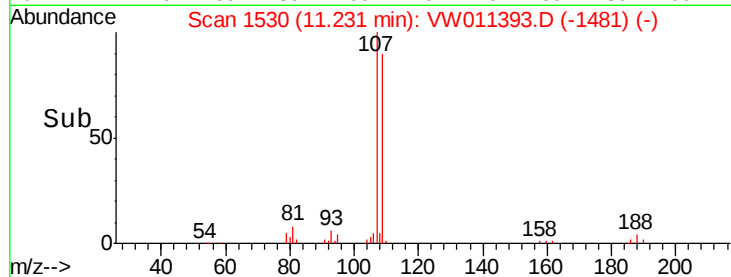
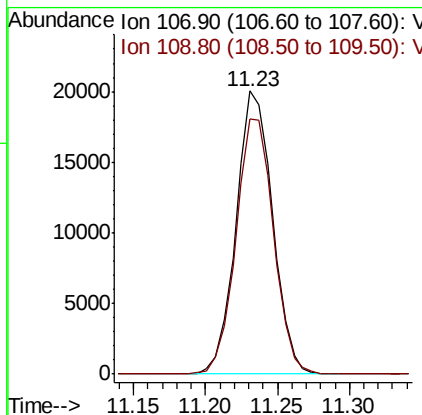
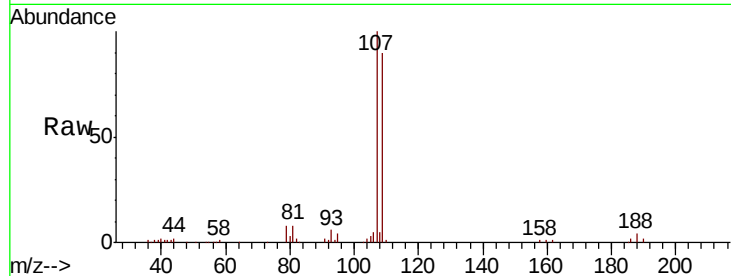




#61
 1,2-Dibromoethane
 Concen: 19.475 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW011393.D
 Acq: 20 Jul 2019 00:25

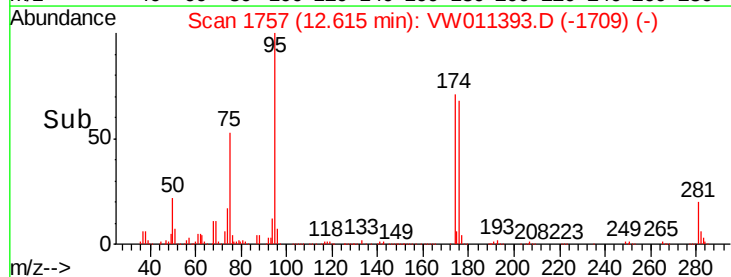
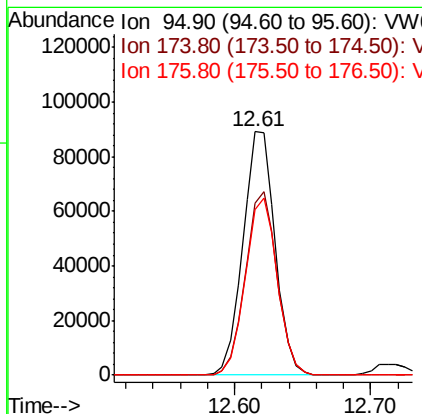
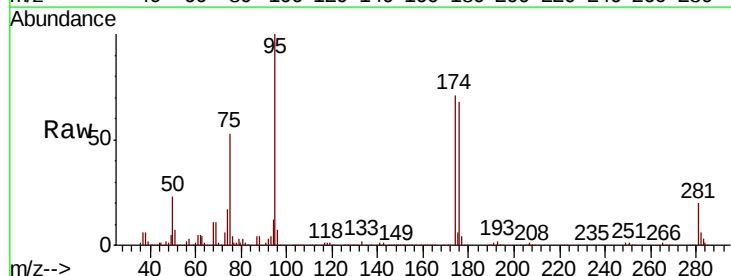
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0720SBSD01

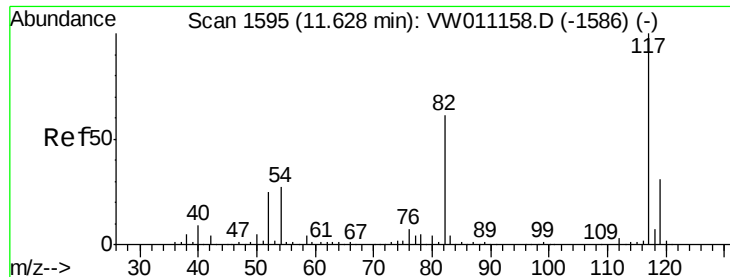
Tot Ion:107 Resp: 35277
 Ion Ratio Lower Upper
 107 100
 109 92.8 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 46.207 ug/l
 RT: 12.61 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW011393.D
 Acq: 20 Jul 2019 00:25

Tgt Ion: 95 Resp: 146928
 Ion Ratio Lower Upper
 95 100
 174 74.6 0.0 147.6
 176 72.9 0.0 144.6

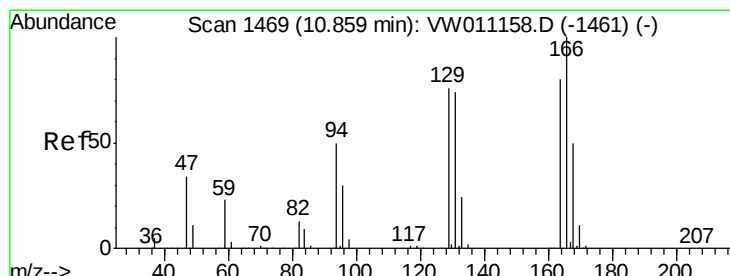
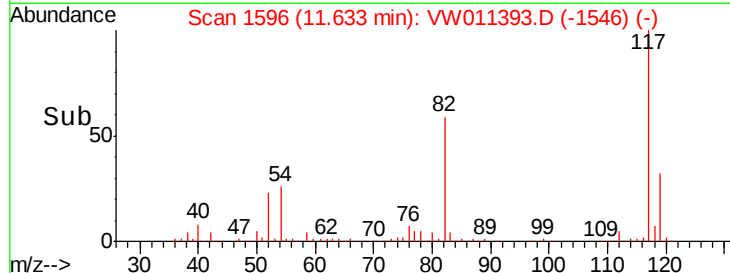
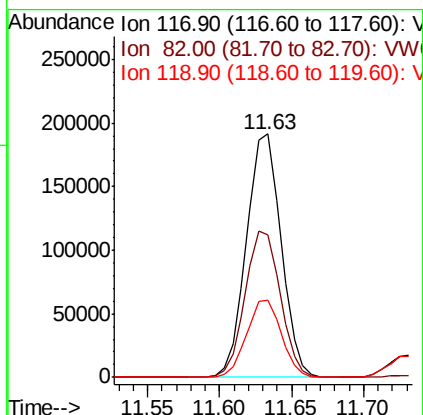
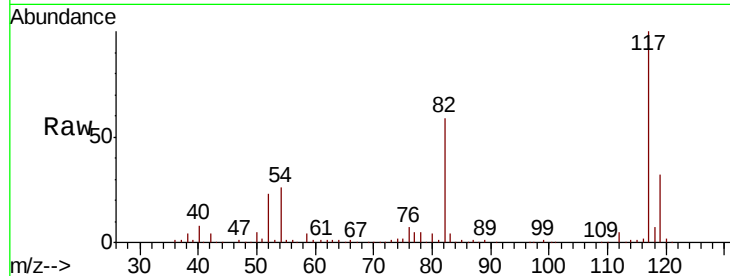




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

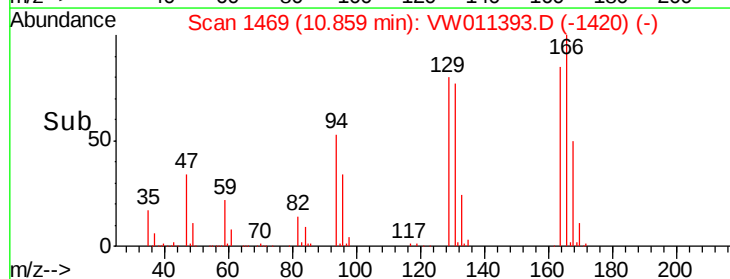
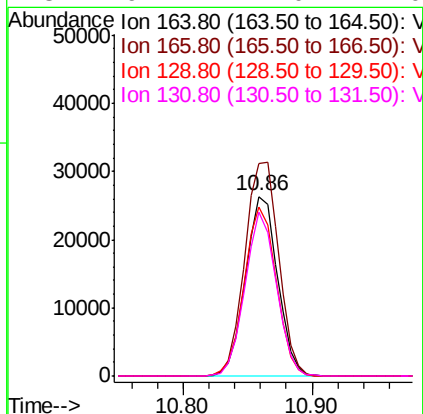
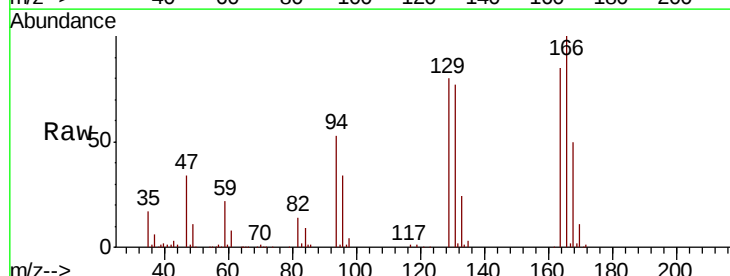
Instrument :
MSVOA_W
ClientSampleId :
VW0720SBSD01

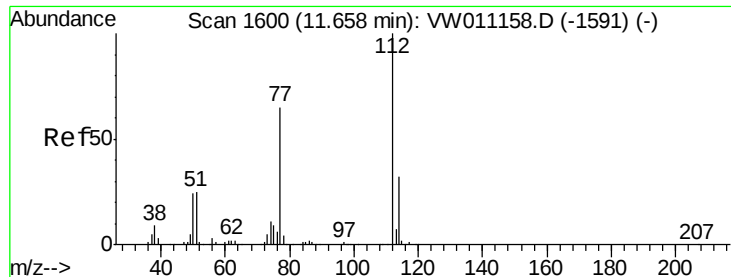
Tot Ion:117 Resp: 318342
Ion Ratio Lower Upper
117 100
82 58.6 48.9 73.3
119 31.8 25.0 37.6



#64
Tetrachloroethene
Concen: 21.040 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

Tgt Ion:164 Resp: 45196
Ion Ratio Lower Upper
164 100
166 118.0 99.7 149.5
129 94.3 76.2 114.2
131 91.4 74.0 111.0

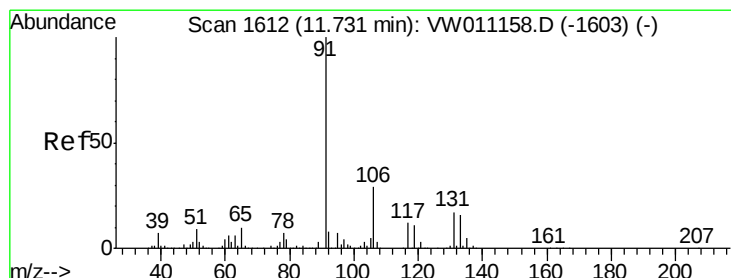
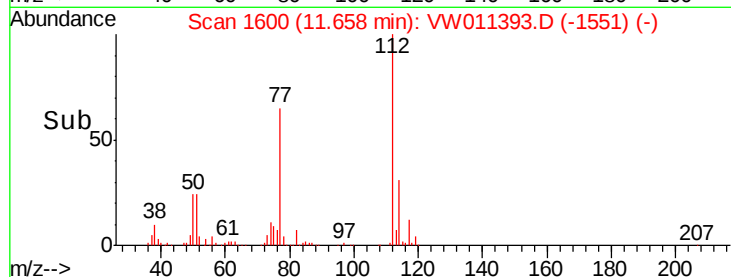
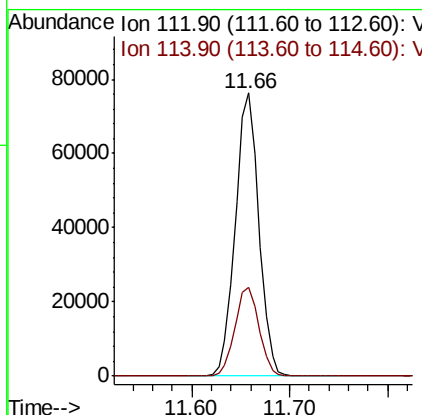
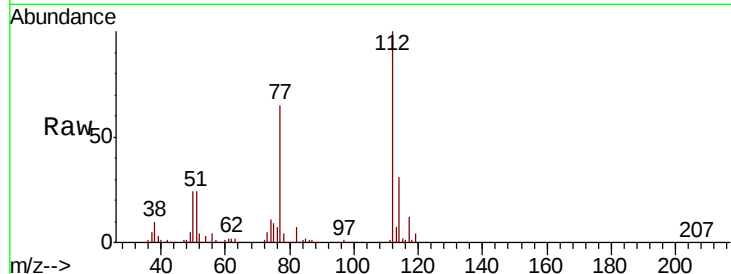




#65
Chlorobenzene
Concen: 19.686 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

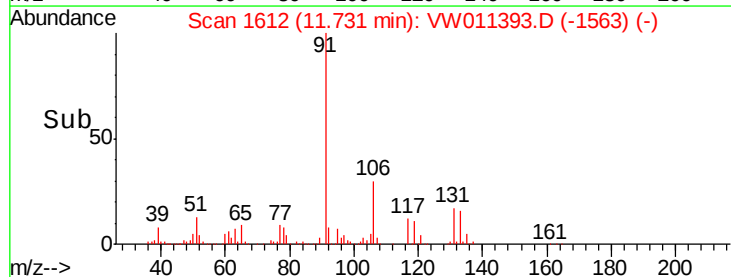
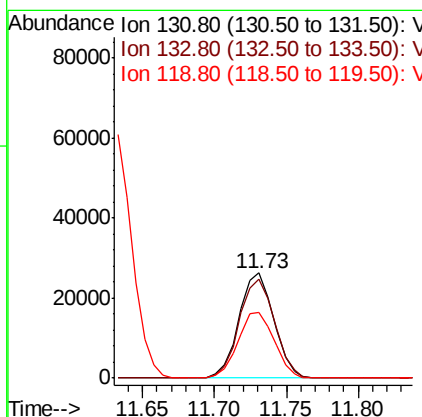
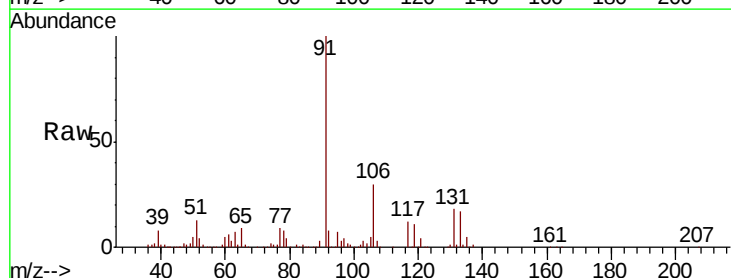
Instrument :
MSVOA_W
ClientSampleId :
VW0720SBSD01

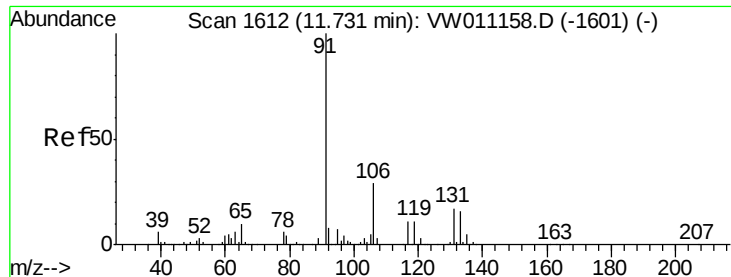
Tot Ion:112 Resp: 127411
Ion Ratio Lower Upper
112 100
114 31.2 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 19.383 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

Tgt Ion:131 Resp: 44172
Ion Ratio Lower Upper
131 100
133 95.5 47.9 143.8
119 64.8 33.1 99.2





#67

Ethyl Benzene

Concen: 19.266 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW011393.D

Acq: 20 Jul 2019 00:25

Instrument :

MSVOA_W

ClientSampleId :

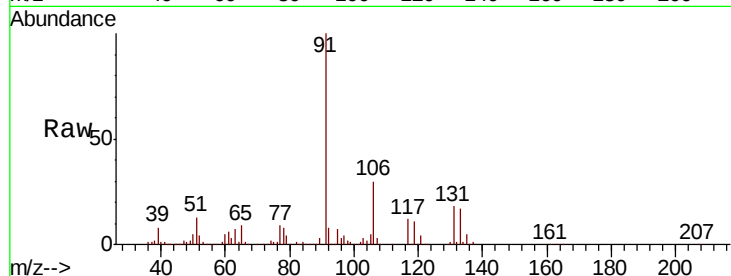
VW0720SBSD01

Tot Ion: 91 Resp: 238709

Ion Ratio Lower Upper

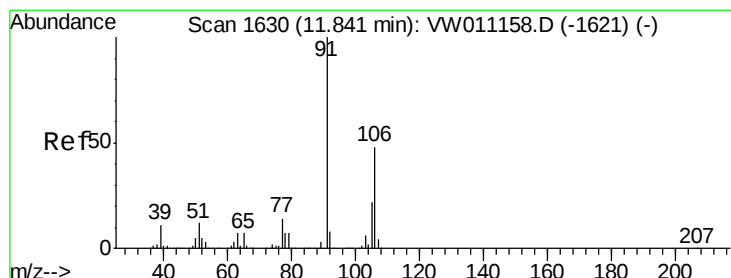
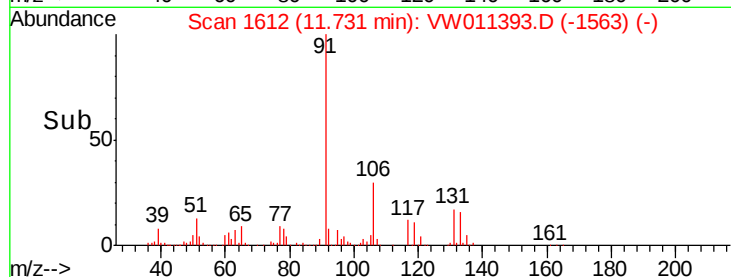
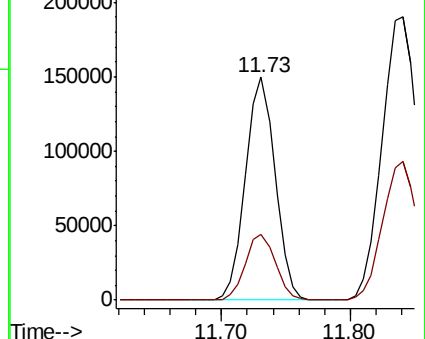
91 100

106 29.6 23.5 35.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 39.391 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW011393.D

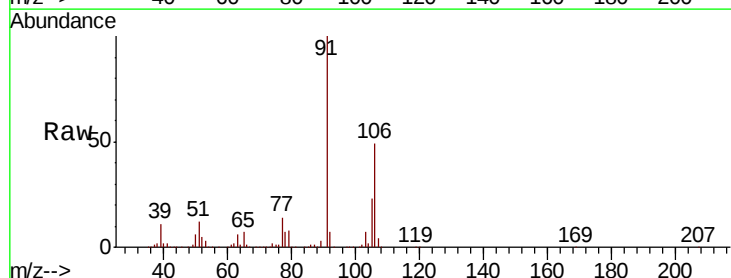
Acq: 20 Jul 2019 00:25

Tgt Ion: 106 Resp: 176602

Ion Ratio Lower Upper

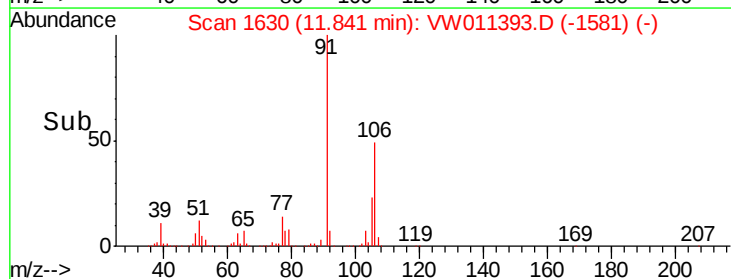
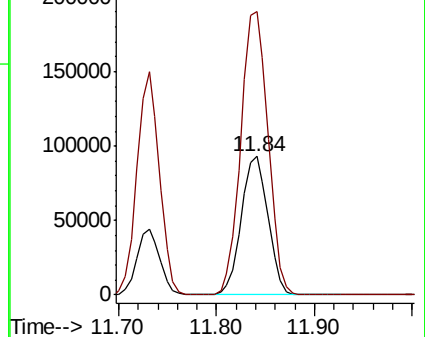
106 100

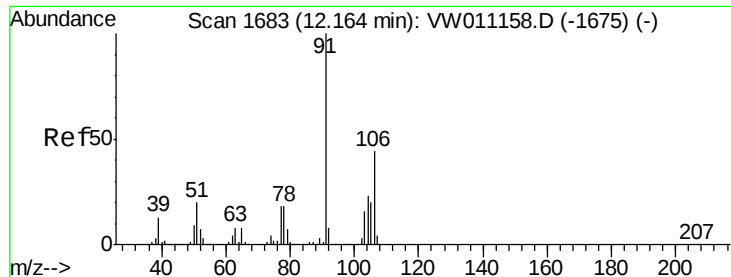
91 207.6 167.7 251.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

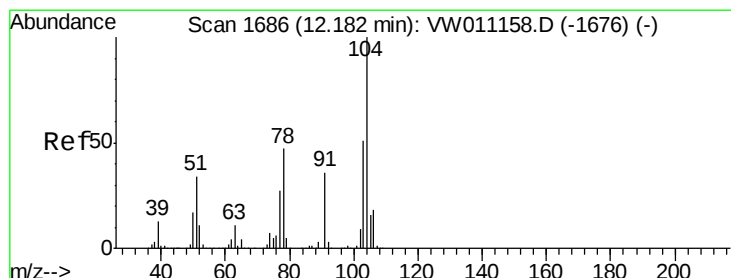
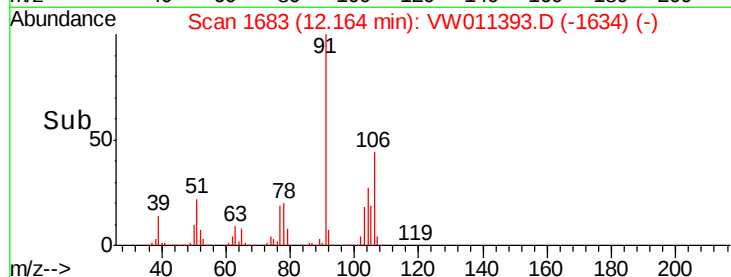
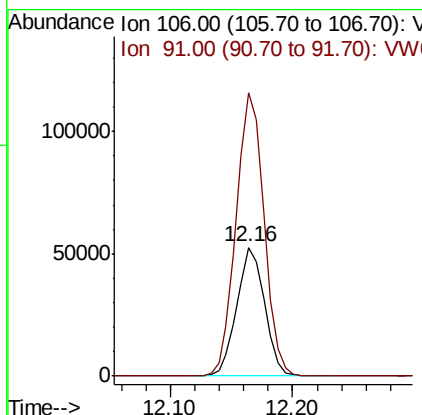
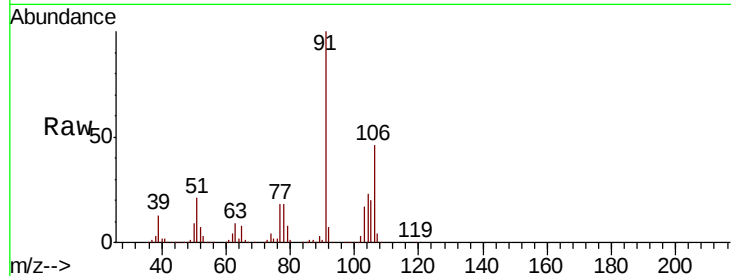




#69
o-Xylene
Concen: 19.516 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

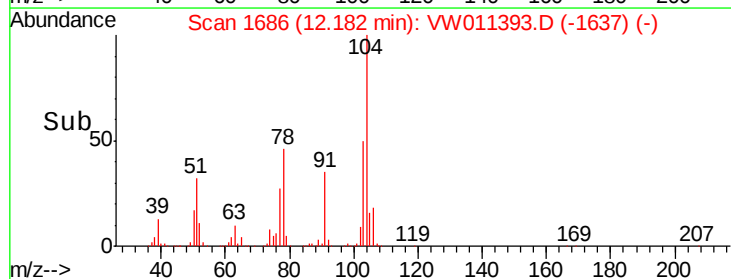
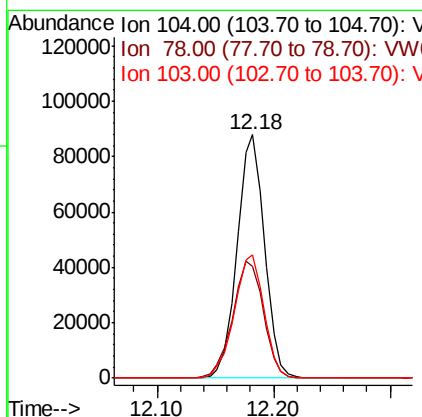
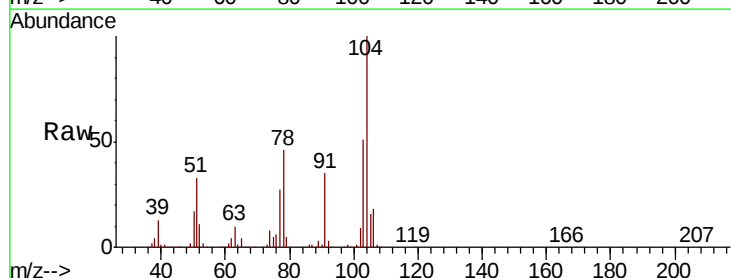
Instrument :
MSVOA_W
ClientSampleId :
VW0720SBSD01

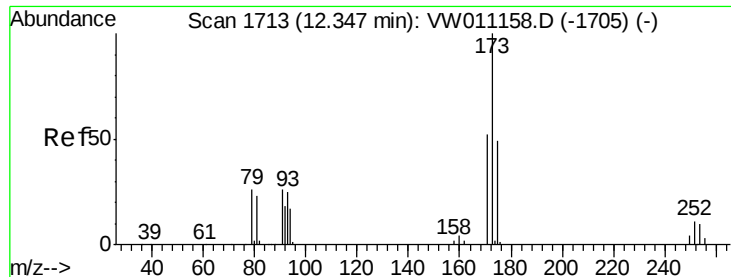
Tot Ion:106 Resp: 82466
Ion Ratio Lower Upper
106 100
91 222.0 110.7 332.1



#70
Styrene
Concen: 19.782 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

Tgt Ion:104 Resp: 144263
Ion Ratio Lower Upper
104 100
78 54.2 43.1 64.7
103 55.1 44.1 66.1





#71

Bromoform

Concen: 18.515 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW011393.D

Acq: 20 Jul 2019 00:25

Instrument :

MSVOA_W

ClientSampleId :

VW0720SBSD01

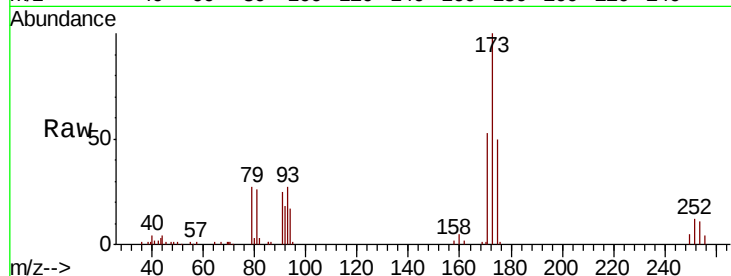
Tot Ion:173 Resp: 22434

Ion Ratio Lower Upper

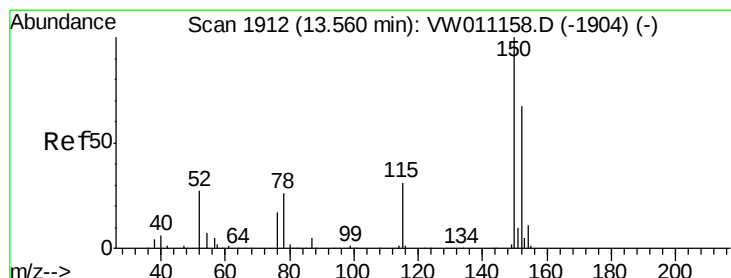
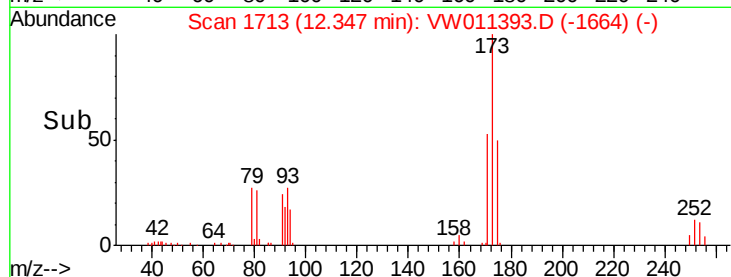
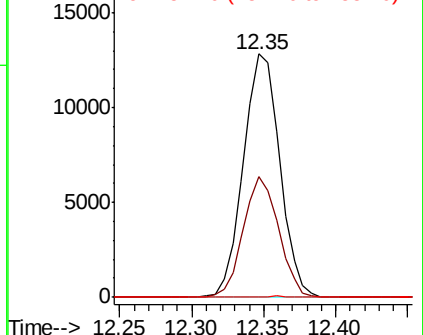
173 100

175 48.1 24.8 74.3

254 0.1 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: VW011393.D

Acq: 20 Jul 2019 00:25

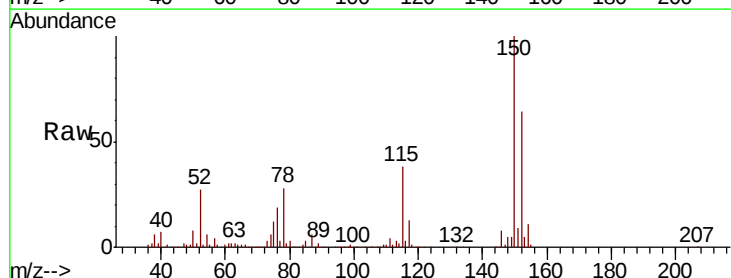
Tgt Ion:152 Resp: 155562

Ion Ratio Lower Upper

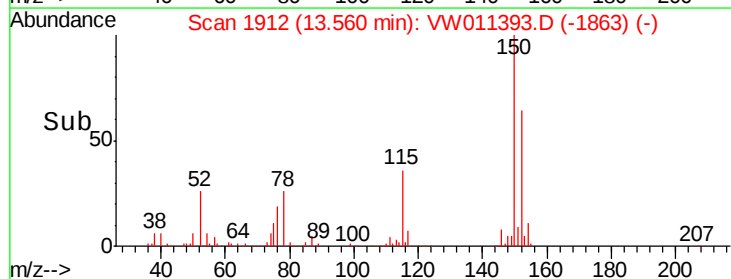
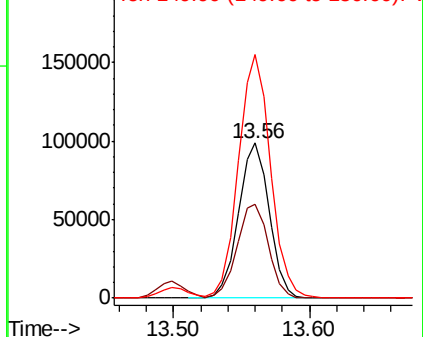
152 100

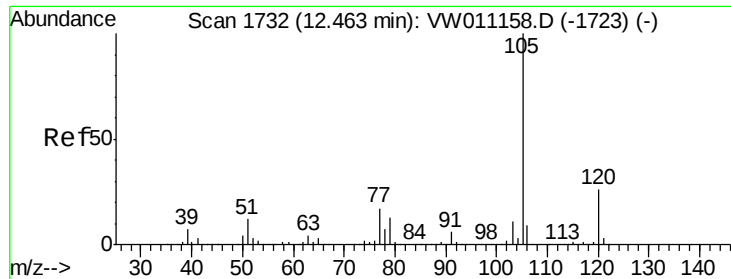
115 61.2 30.1 90.3

150 163.3 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: 19.365 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011393.D

Acq: 20 Jul 2019 00:25

Instrument :

MSVOA_W

ClientSampleId :

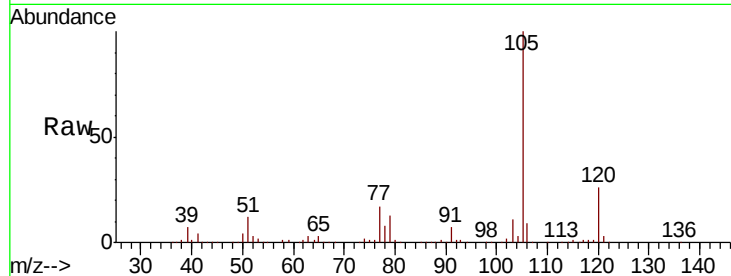
VW0720SBSD01

Tot Ion:105 Resp: 225192

Ion Ratio Lower Upper

105 100

120 26.0 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

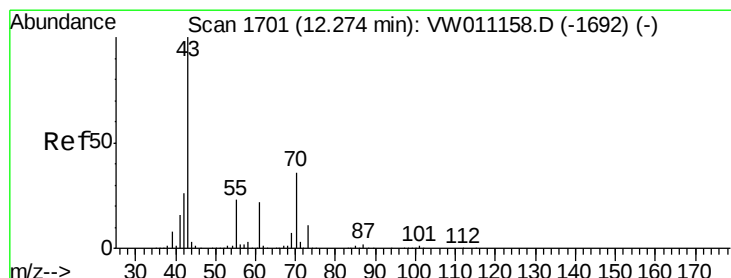
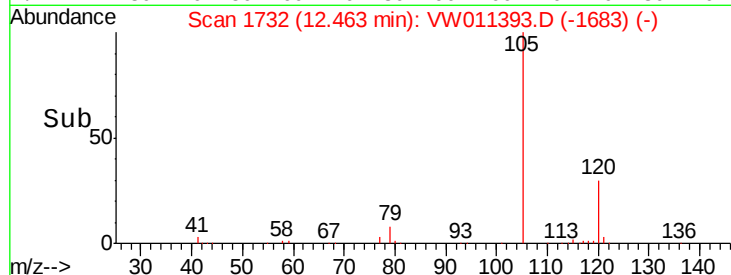
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 18.145 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW011393.D

Acq: 20 Jul 2019 00:25

Tgt Ion: 43 Resp: 73486

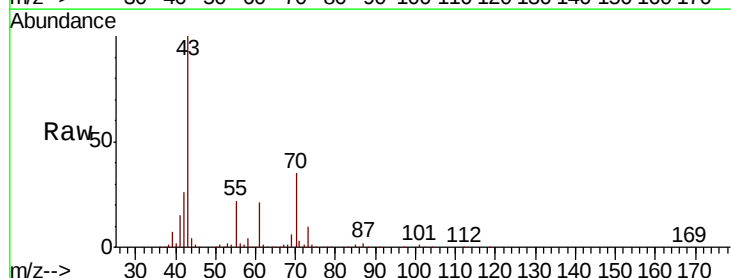
Ion Ratio Lower Upper

43 100

70 35.6 28.5 42.7

55 22.1 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

12.27

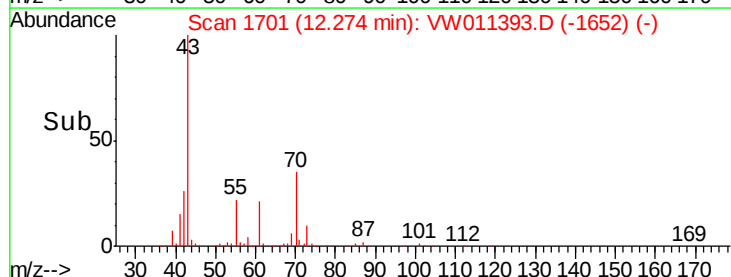
60000

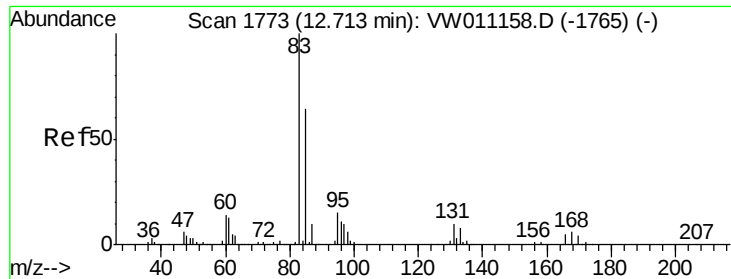
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.539 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011393.D

Acq: 20 Jul 2019 00:25

Instrument :

MSVOA_W

ClientSampleId :

VW0720SBSD01

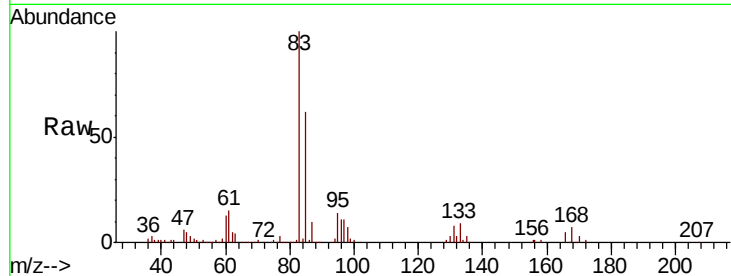
Tot Ion: 83 Resp: 46576

Ion Ratio Lower Upper

83 100

131 9.7 5.0 15.0

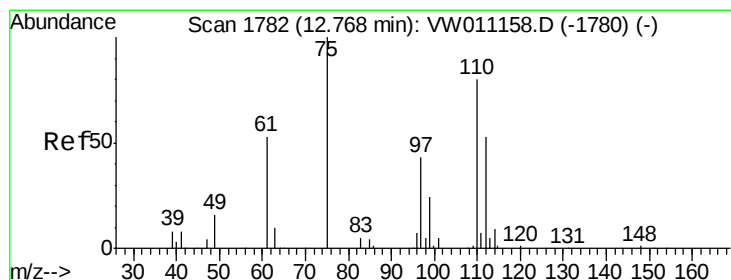
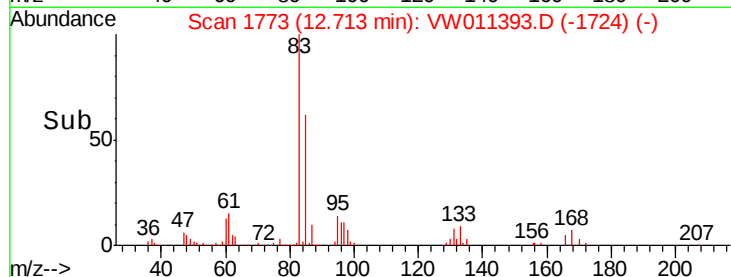
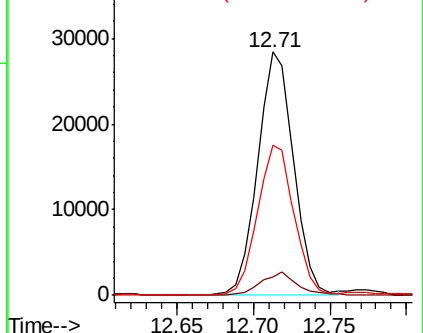
85 62.9 31.6 94.8



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: 31.992 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW011393.D

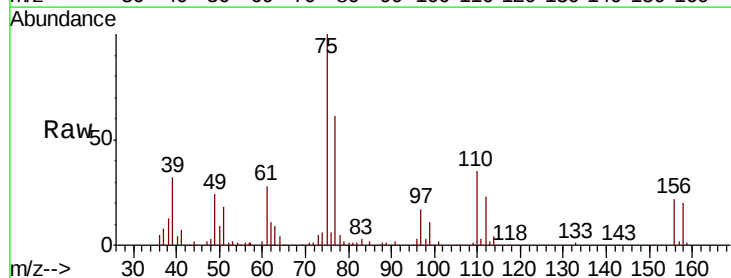
Acq: 20 Jul 2019 00:25

Tgt Ion: 75 Resp: 57513

Ion Ratio Lower Upper

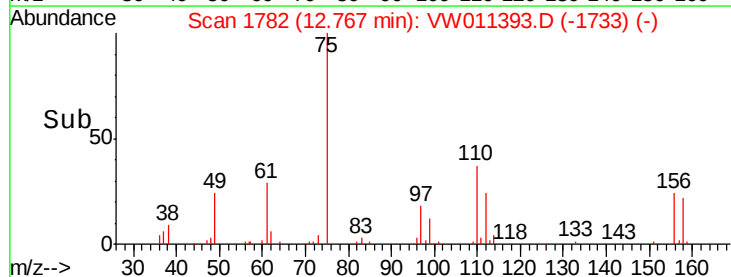
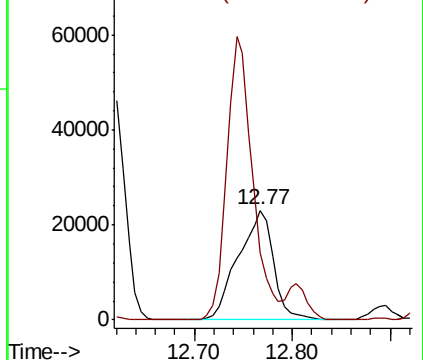
75 100

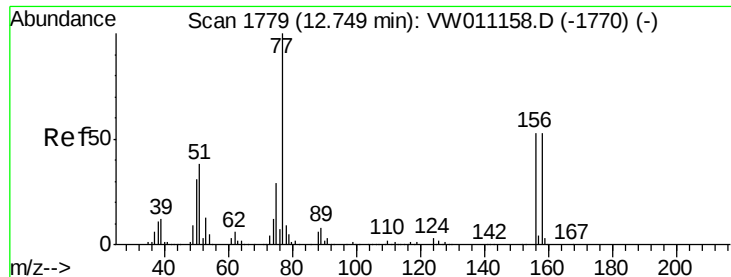
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 19.552 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW011393.D

Acq: 20 Jul 2019 00:25

Instrument :

MSVOA_W

ClientSampleId :

VW0720SBSD01

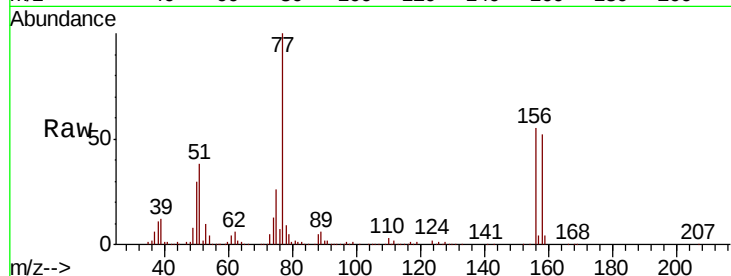
Tot Ion:156 Resp: 51024

Ion Ratio Lower Upper

156 100

77 213.5 109.0 327.0

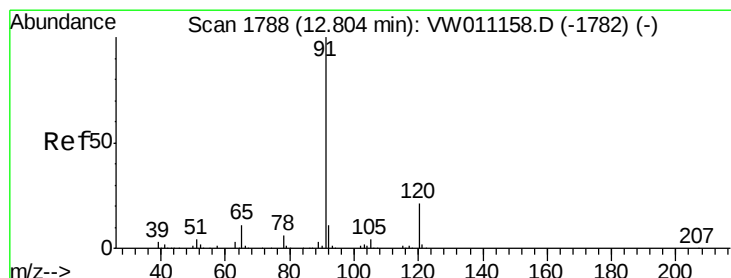
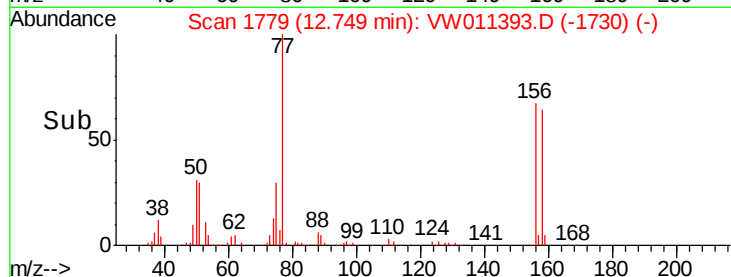
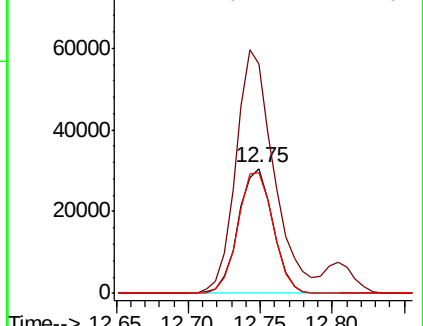
158 98.7 48.8 146.3



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: 19.446 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW011393.D

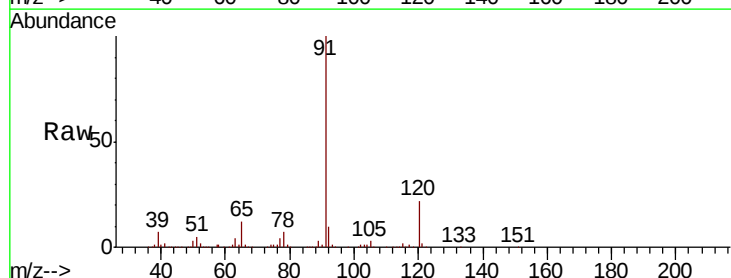
Acq: 20 Jul 2019 00:25

Tgt Ion: 91 Resp: 278566

Ion Ratio Lower Upper

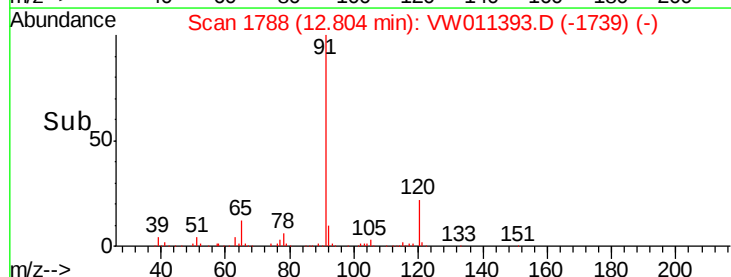
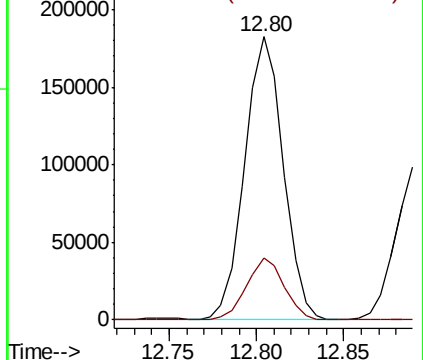
91 100

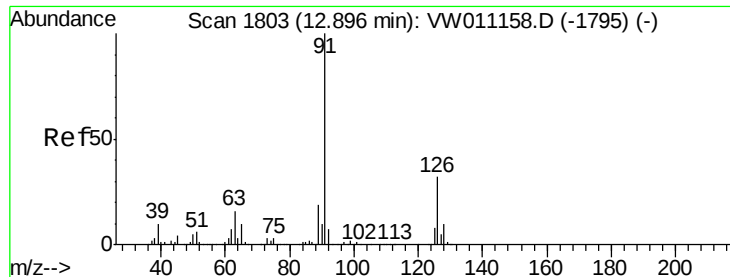
120 21.5 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.480 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW011393.D

Acq: 20 Jul 2019 00:25

Instrument :

MSVOA_W

ClientSampleId :

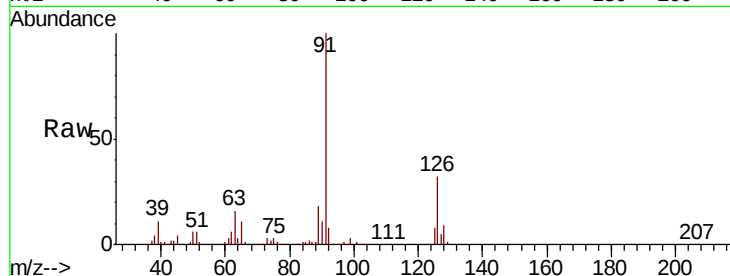
VW0720SBSD01

Tot Ion: 91 Resp: 160579

Ion Ratio Lower Upper

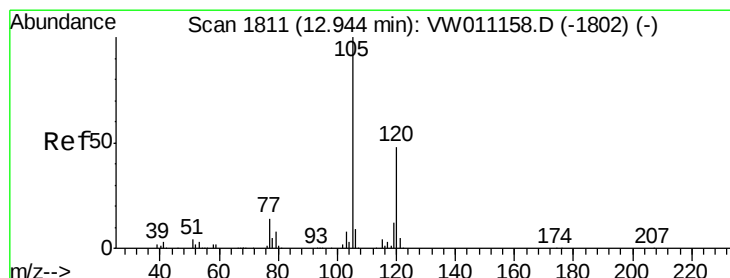
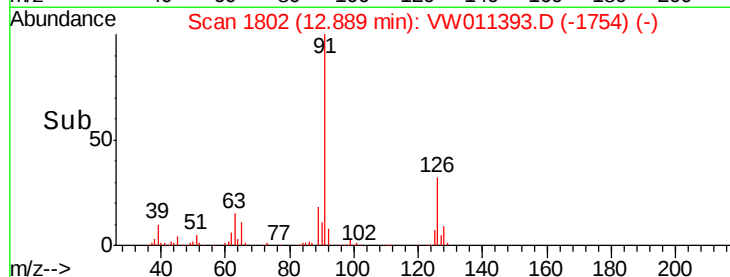
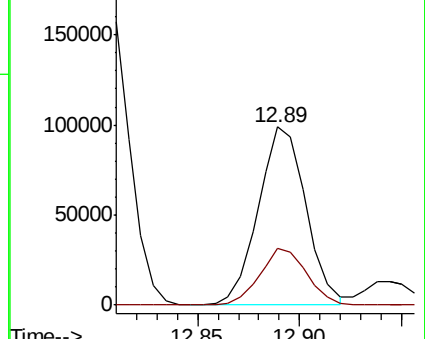
91 100

126 31.6 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: 19.599 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW011393.D

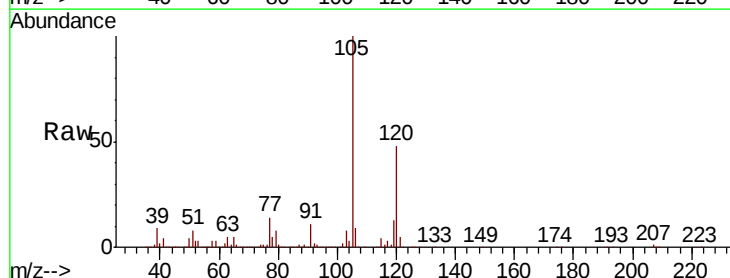
Acq: 20 Jul 2019 00:25

Tgt Ion:105 Resp: 193621

Ion Ratio Lower Upper

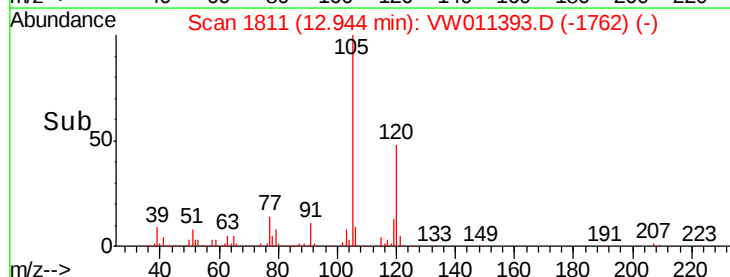
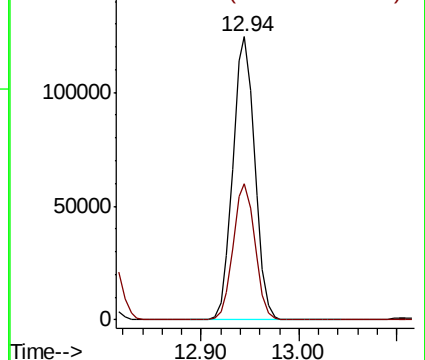
105 100

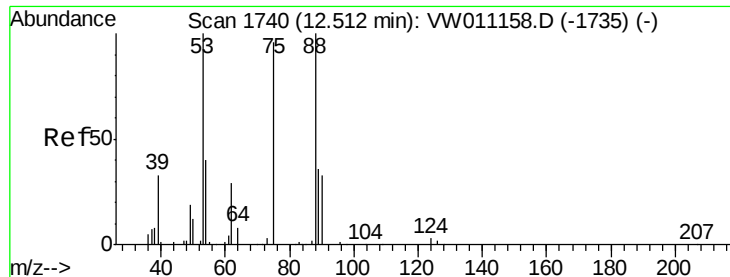
120 48.0 24.1 72.2



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: 14.686 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW011393.D

Acq: 20 Jul 2019 00:25

Instrument :

MSVOA_W

ClientSampleId :

VW0720SBSD01

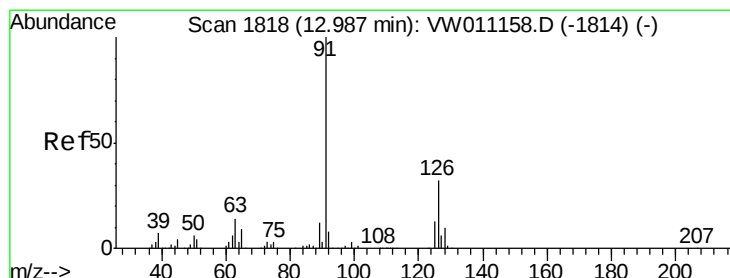
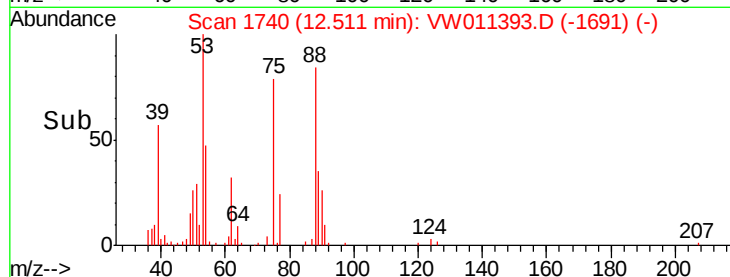
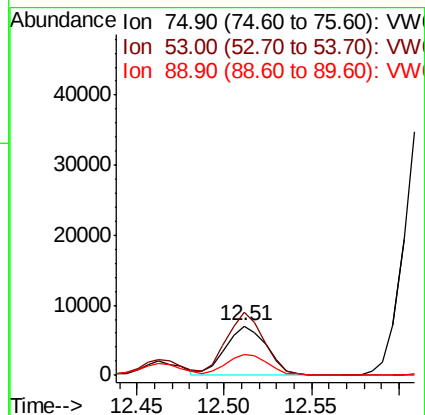
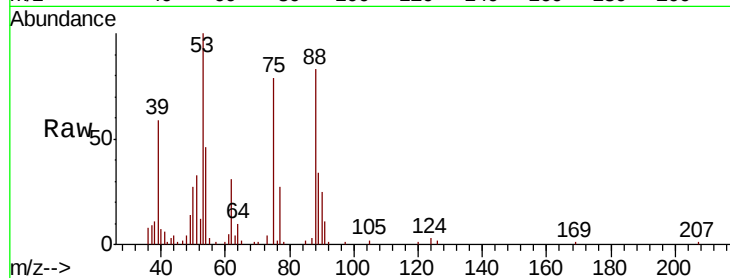
Tot Ion: 75 Resp: 11673

Ion Ratio Lower Upper

75 100

53 116.3 89.8 134.6

89 42.2 34.3 51.5



#82

4-Chlorotoluene

Concen: 19.947 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW011393.D

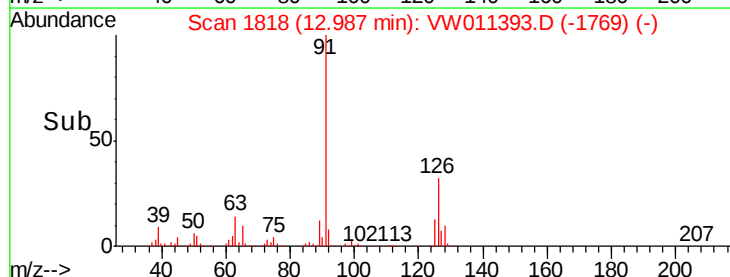
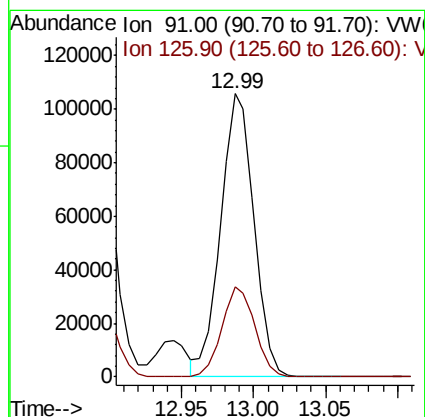
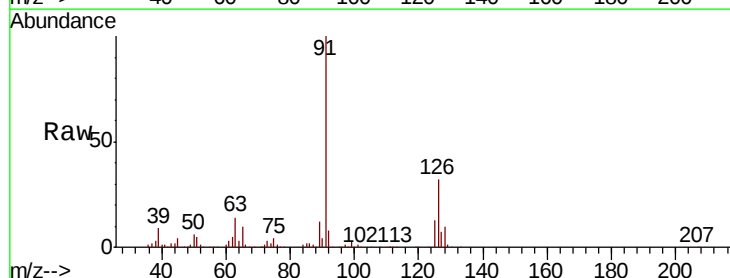
Acq: 20 Jul 2019 00:25

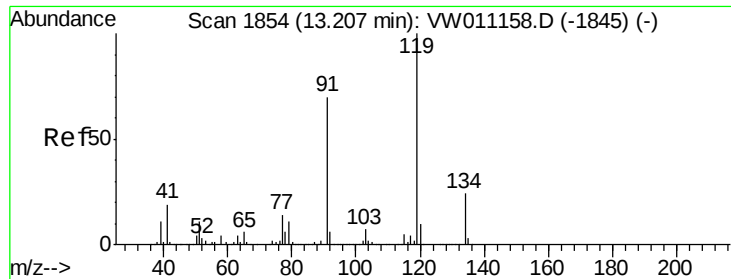
Tgt Ion: 91 Resp: 171266

Ion Ratio Lower Upper

91 100

126 31.5 15.7 47.1

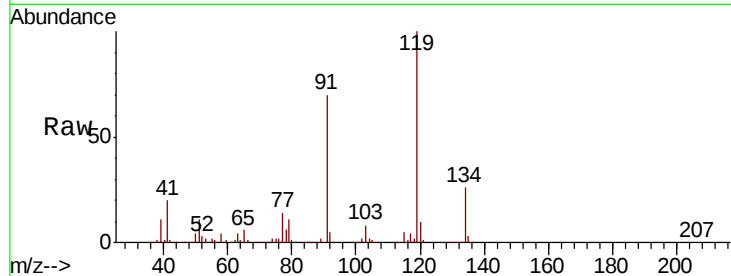




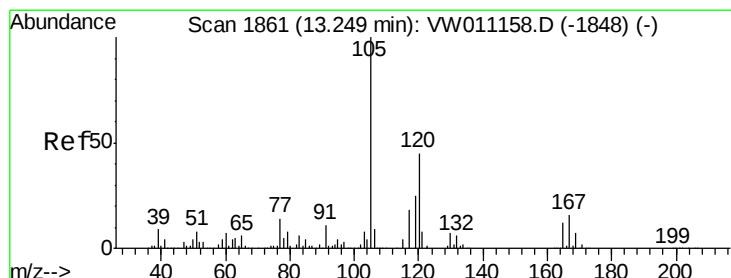
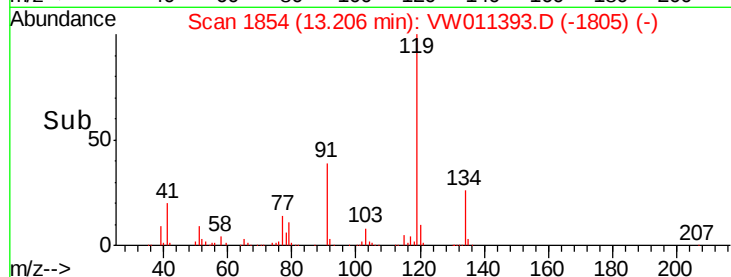
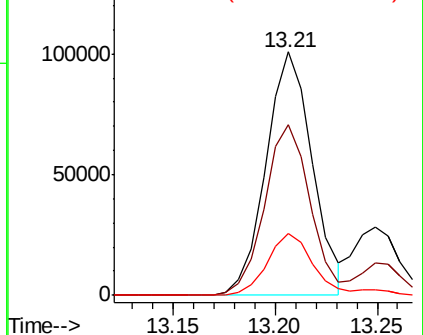
#83
tert-Butylbenzene
Concen: 19.394 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

Instrument :
MSVOA_W
ClientSampleId :
VW0720SBSD01

Tot Ion:119 Resp: 159792
Ion Ratio Lower Upper
119 100
91 70.0 35.4 106.3
134 24.7 13.4 40.2

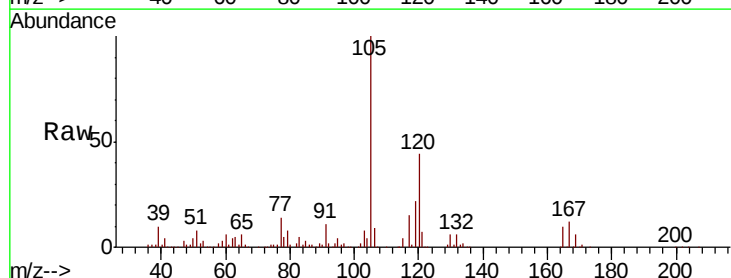


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

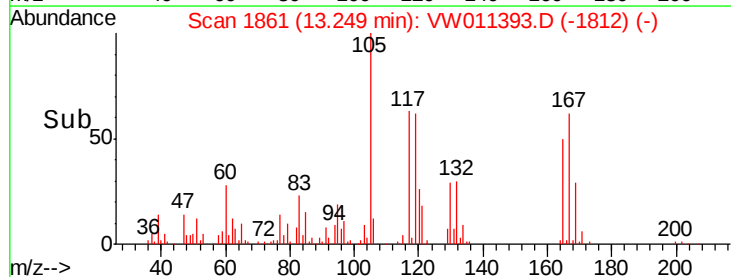
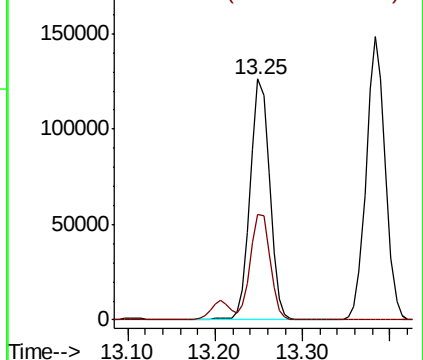


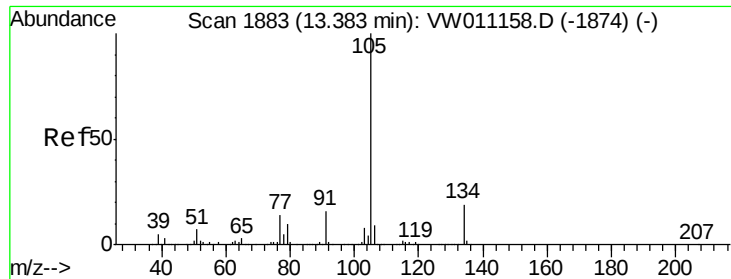
#84
1,2,4-Trimethylbenzene
Concen: 19.657 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

Tgt Ion:105 Resp: 194995
Ion Ratio Lower Upper
105 100
120 44.6 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.005 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW011393.D

Acq: 20 Jul 2019 00:25

Instrument :

MSVOA_W

ClientSampleId :

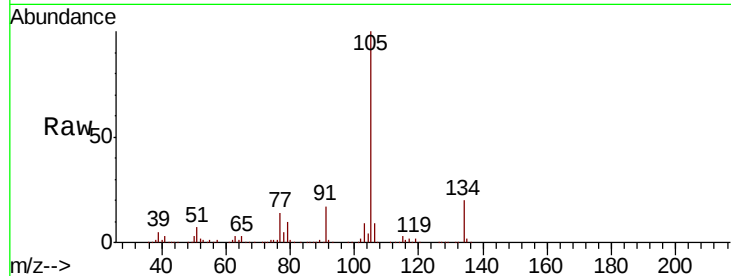
VW0720SBSD01

Tot Ion:105 Resp: 225953

Ion Ratio Lower Upper

105 100

134 19.3 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

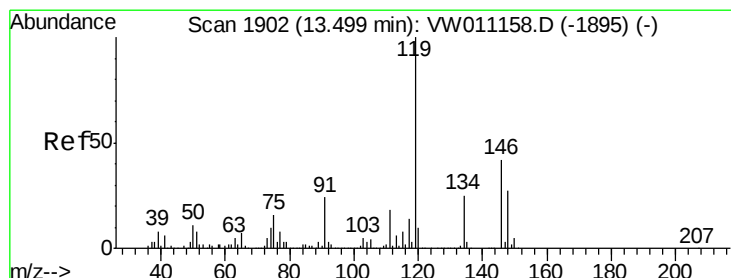
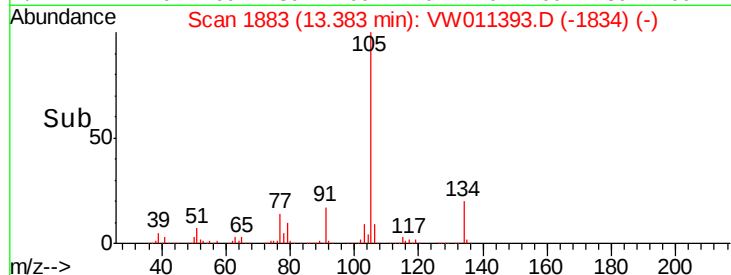
150000

100000

50000

0

Time--> 13.30 13.35 13.40 13.45



#86

p-Isopropyltoluene

Concen: 19.111 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011393.D

Acq: 20 Jul 2019 00:25

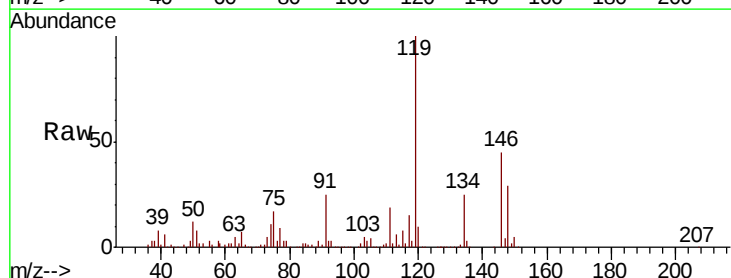
Tgt Ion:119 Resp: 203782

Ion Ratio Lower Upper

119 100

134 26.3 12.9 38.6

91 24.8 12.3 36.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.50

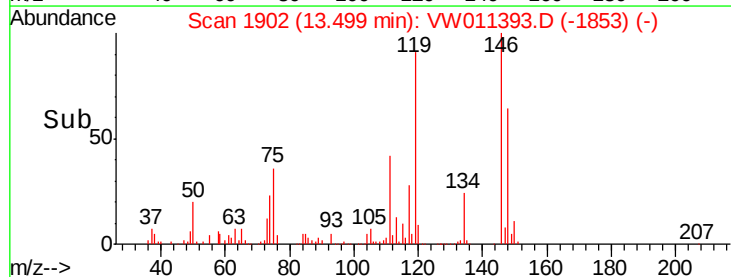
150000

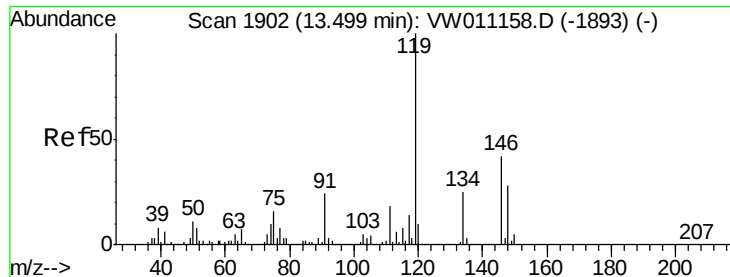
100000

50000

0

Time--> 13.45 13.50 13.55

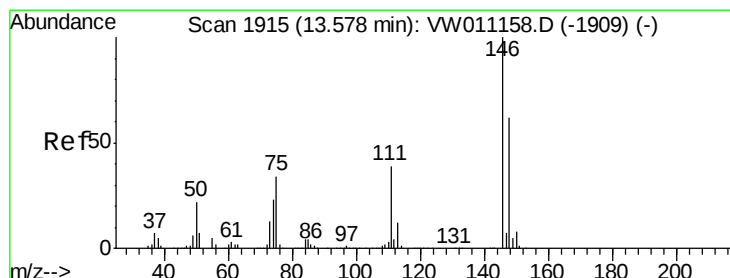
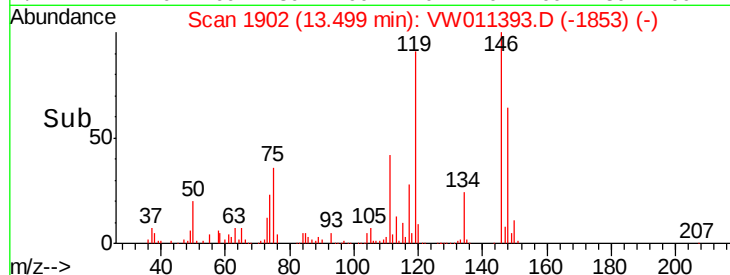
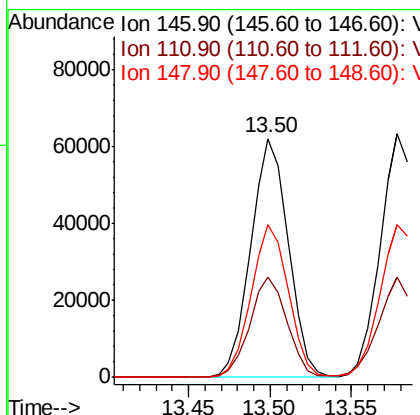
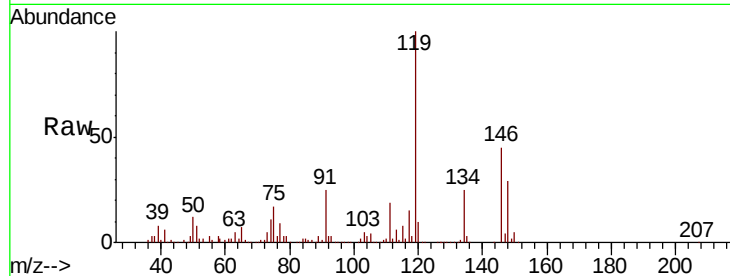




#87
 1,3-Dichlorobenzene
 Concen: 19.789 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011393.D
 Acq: 20 Jul 2019 00:25

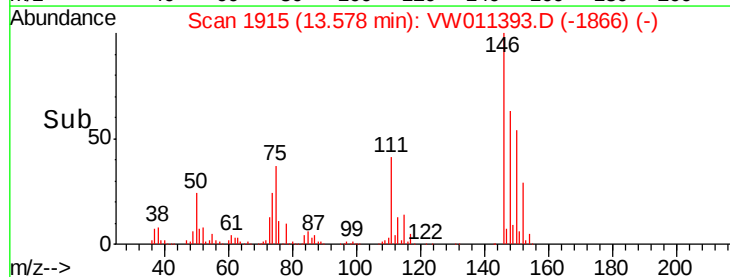
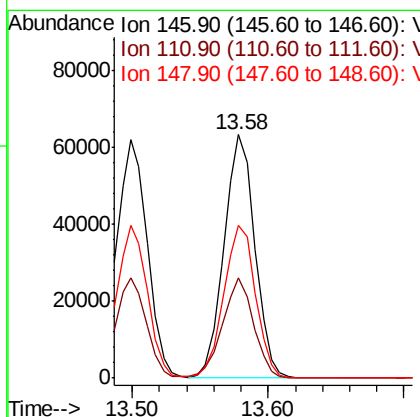
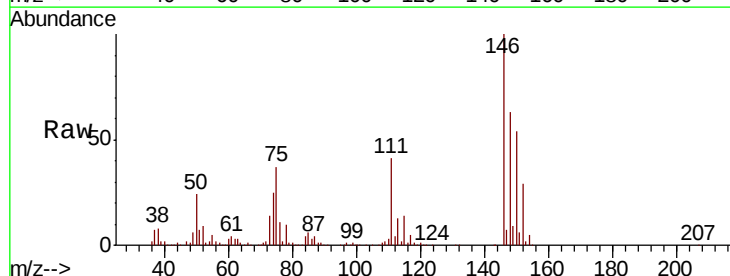
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0720SBSD01

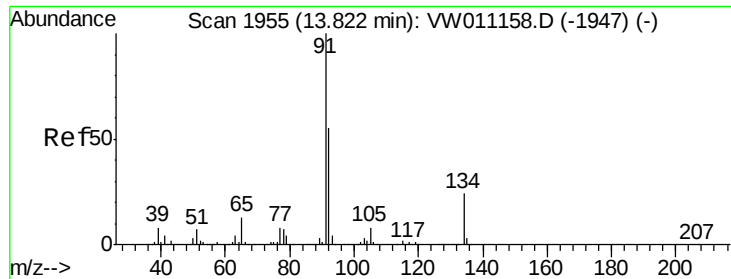
Tot Ion:146 Resp: 99364
 Ion Ratio Lower Upper
 146 100
 111 41.6 21.1 63.1
 148 63.6 32.6 97.7



#88
 1,4-Dichlorobenzene
 Concen: 19.669 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011393.D
 Acq: 20 Jul 2019 00:25

Tgt Ion:146 Resp: 99451
 Ion Ratio Lower Upper
 146 100
 111 41.7 19.9 59.7
 148 64.4 31.5 94.5





#89

n-Butylbenzene

Concen: 18.988 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW011393.D

Acq: 20 Jul 2019 00:25

Instrument :

MSVOA_W

ClientSampleId :

VW0720SBSD01

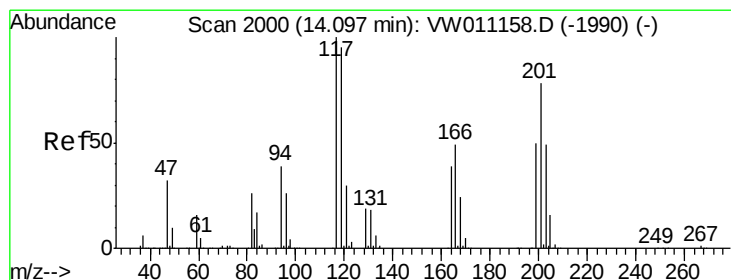
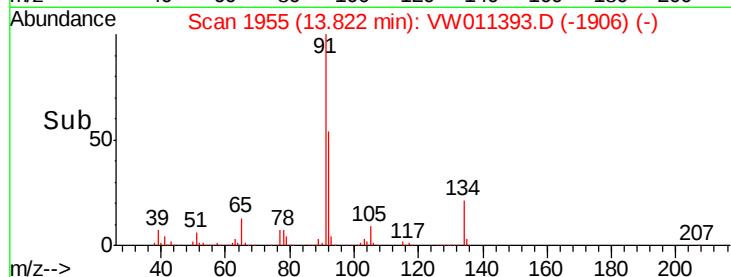
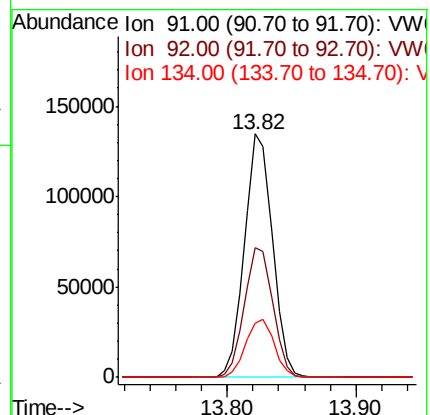
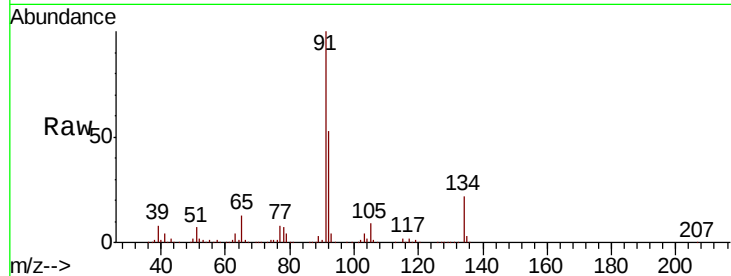
Tot Ion: 91 Resp: 201979

Ion Ratio Lower Upper

91 100

92 54.5 26.9 80.7

134 24.1 12.2 36.4



#90

Hexachloroethane

Concen: 18.508 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW011393.D

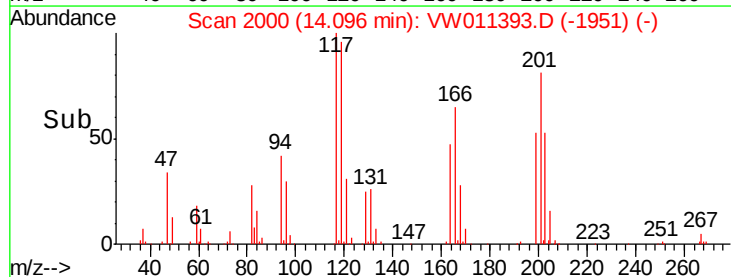
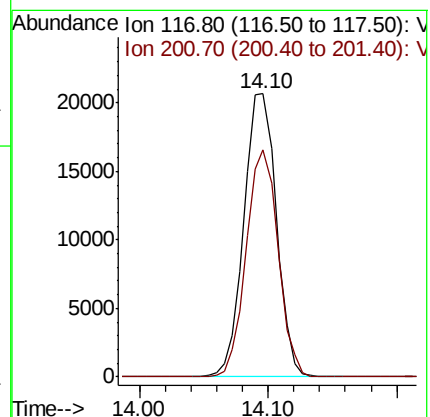
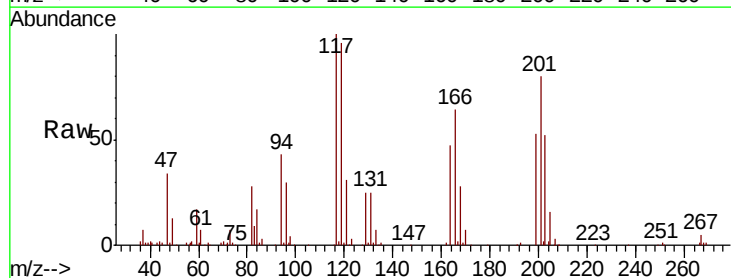
Acq: 20 Jul 2019 00:25

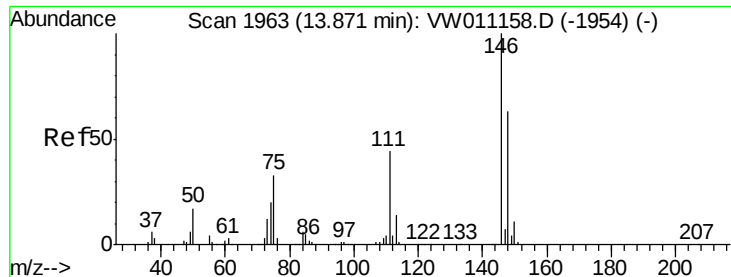
Tgt Ion: 117 Resp: 36064

Ion Ratio Lower Upper

117 100

201 78.4 38.3 114.8





#91

1,2-Dichlorobenzene

Concen: 19.720 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW011393.D

Acq: 20 Jul 2019 00:25

Instrument :

MSVOA_W

ClientSampleId :

VW0720SBSD01

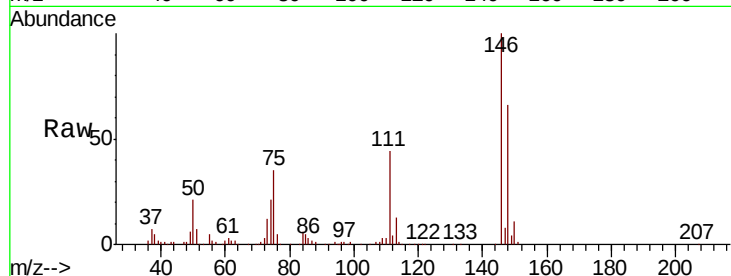
Tot Ion:146 Resp: 89827

Ion Ratio Lower Upper

146 100

111 43.1 21.6 65.0

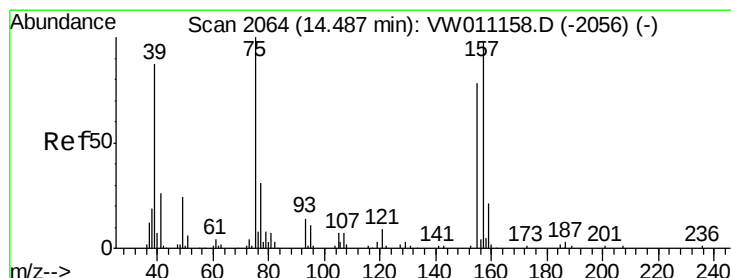
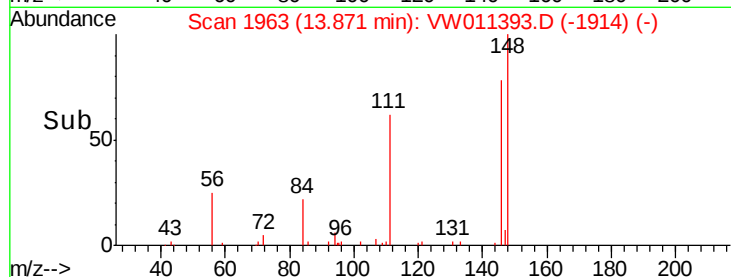
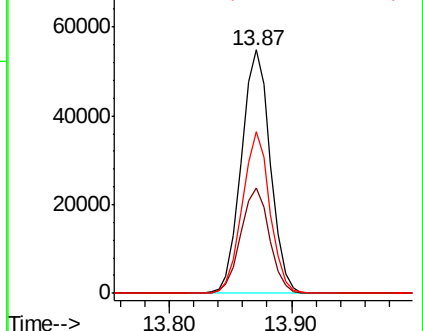
148 63.4 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.126 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW011393.D

Acq: 20 Jul 2019 00:25

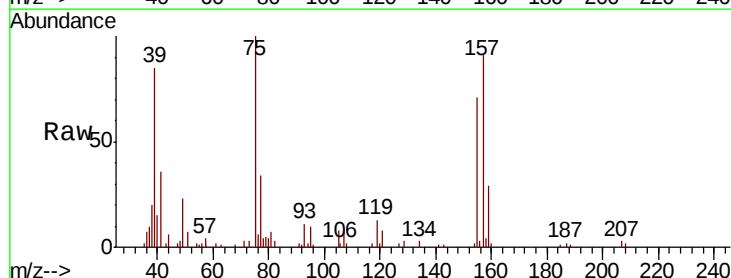
Tgt Ion: 75 Resp: 7664

Ion Ratio Lower Upper

75 100

155 76.2 37.1 111.3

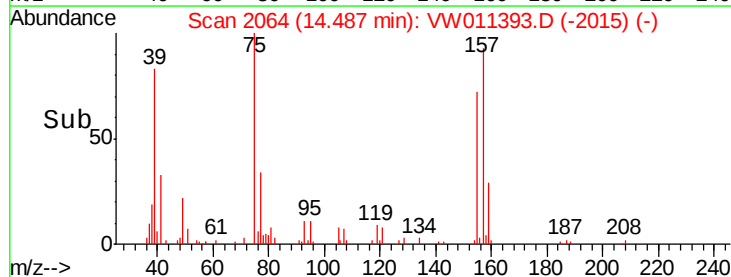
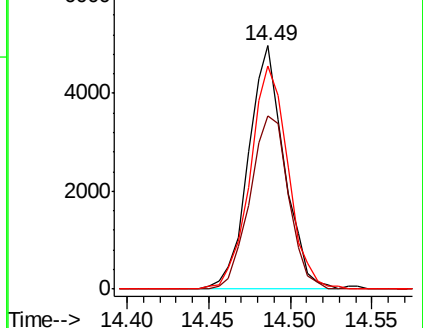
157 96.7 48.5 145.6

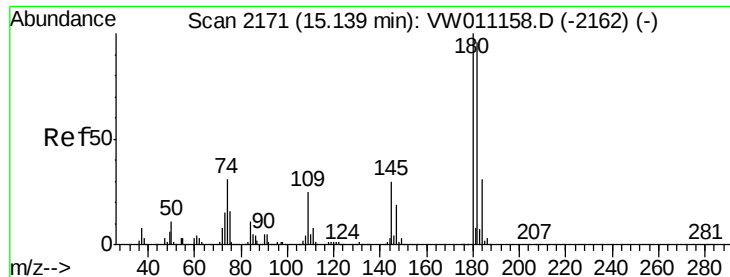


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

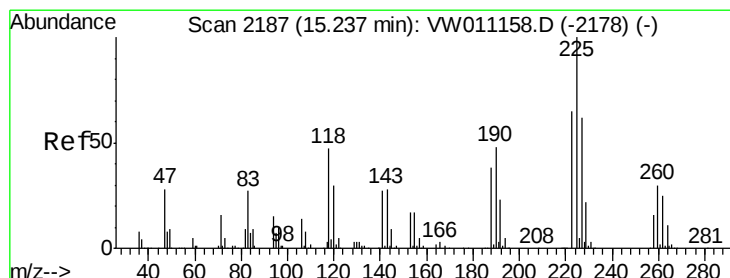
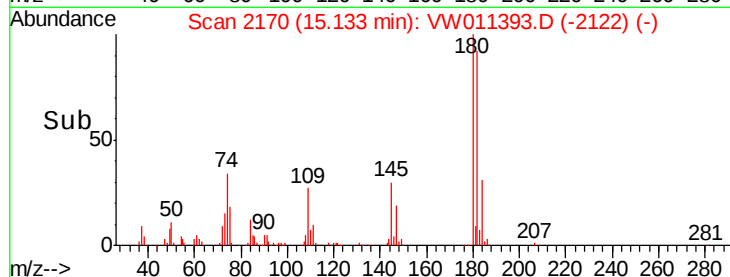
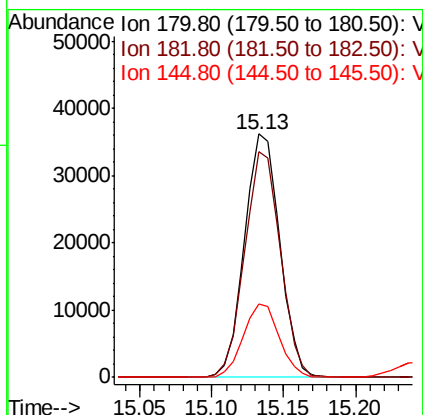
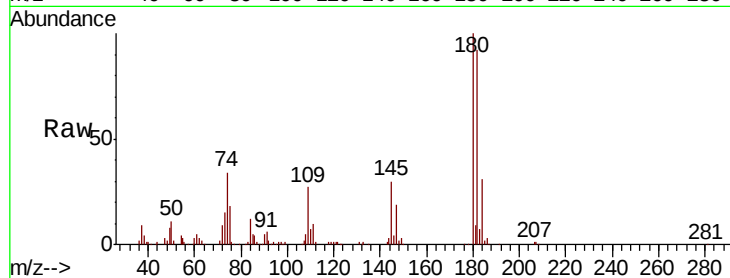




#93
 1,2,4-Trichlorobenzene
 Concen: 19.541 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW011393.D
 Acq: 20 Jul 2019 00:25

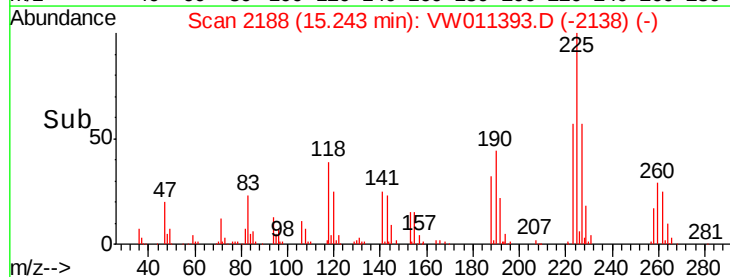
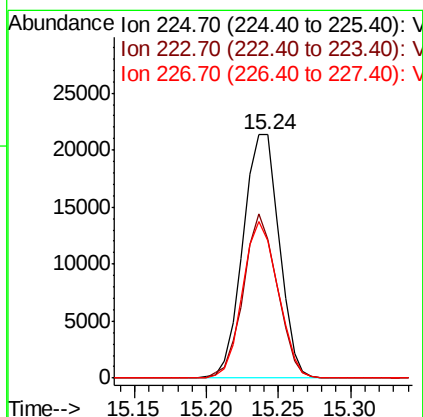
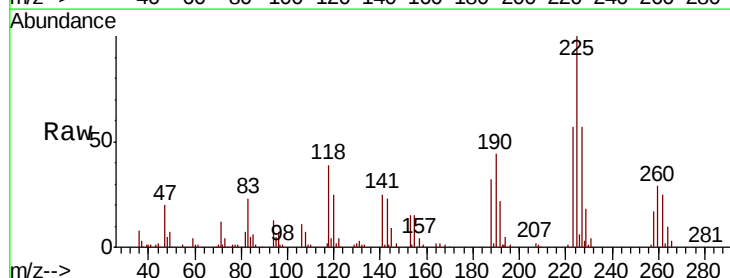
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0720SBSD01

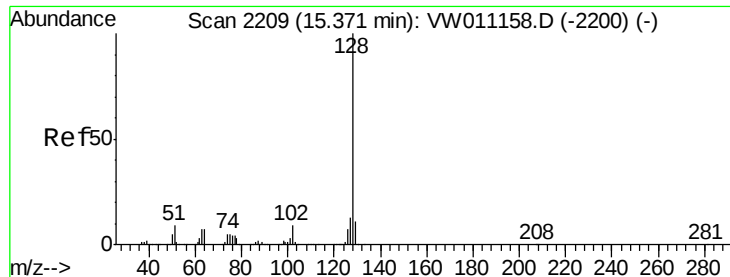
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.6	48.3	144.9
145	30.6	15.5	46.5



#94
 Hexachlorobutadiene
 Concen: 19.353 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.01 min
 Lab File: VW011393.D
 Acq: 20 Jul 2019 00:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.6	95.0
227	62.3	32.0	96.0

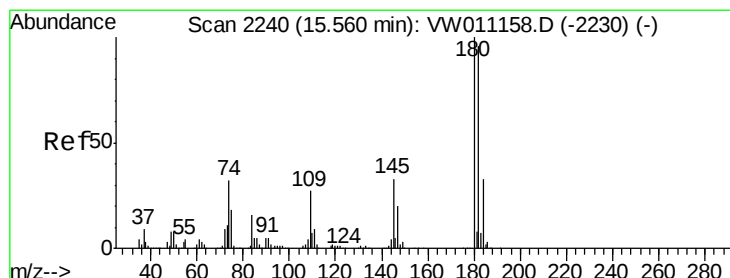
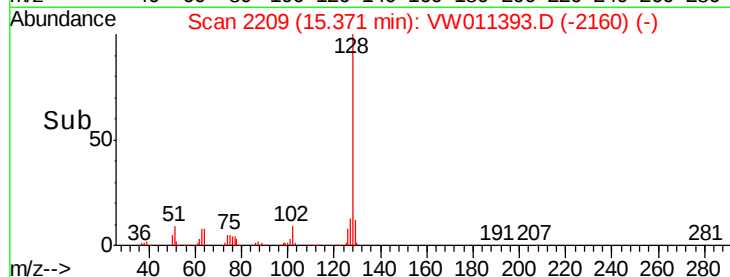
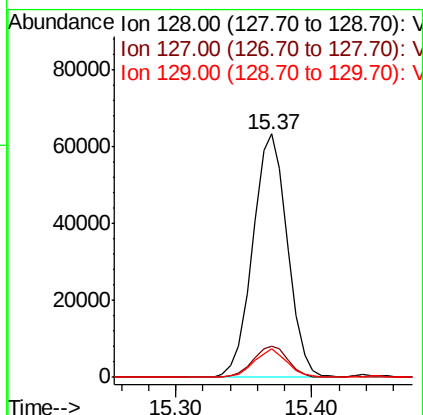
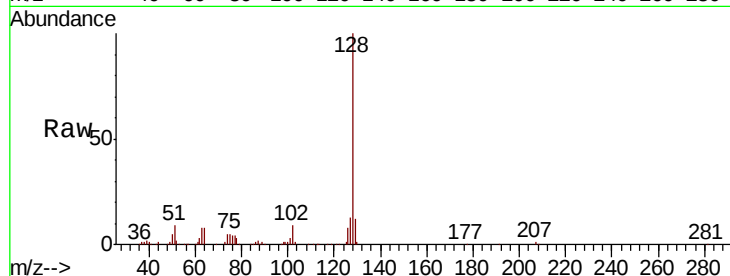




#95
Naphthalene
Concen: 18.768 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

Instrument :
MSVOA_W
ClientSampleId :
VW0720SBS01

Tot Ion:128 Resp: 112841
Ion Ratio Lower Upper
128 100
127 13.1 10.6 16.0
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 19.988 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

Tgt Ion:180 Resp: 55347
Ion Ratio Lower Upper
180 100
182 93.7 47.6 142.8
145 31.5 16.5 49.5

