

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081219\
 Data File : VW011819.D
 Acq On : 09 Aug 2019 19:08
 Operator : SY/VA
 Sample : VW0812SBSD01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBSD01

Quant Time: Aug 11 01:28:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	214871	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	349942	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	306868	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	150678	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	129969	52.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.36%	
35) Dibromofluoromethane	7.88	113	103767	52.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.72%	
50) Toluene-d8	10.32	98	416327	51.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.58%	
62) 4-Bromofluorobenzene	12.62	95	149866	52.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	29267	24.440	ug/l	98
3) Chloromethane	2.21	50	44393	21.379	ug/l	99
4) Vinyl Chloride	2.36	62	54816	21.927	ug/l	100
5) Bromomethane	2.77	94	27099	19.584	ug/l	97
6) Chloroethane	2.92	64	30365	21.264	ug/l	99
7) Trichlorofluoromethane	3.25	101	26383	23.614	ug/l	100
8) Diethyl Ether	3.68	74	26855	21.200	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	46988	22.170	ug/l	100
10) Methyl Iodide	4.27	142	65347	21.818	ug/l	99
11) Tert butyl alcohol	5.19	59	16081	75.897	ug/l	99
12) 1,1-Dichloroethene	4.04	96	47783	21.353	ug/l	98
13) Acrolein	3.90	56	13211	74.623	ug/l	98
14) Allyl chloride	4.67	41	103912	21.832	ug/l	98
15) Acrylonitrile	5.37	53	65663	103.838	ug/l	99
16) Acetone	4.13	43	59373	75.649	ug/l	96
17) Carbon Disulfide	4.39	76	147123	21.006	ug/l	99
18) Methyl Acetate	4.67	43	37846	21.465	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	77672	21.873	ug/l	98
20) Methylene Chloride	4.91	84	59112	21.838	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	53286	22.087	ug/l	94
22) Diisopropyl ether	6.31	45	199559	22.239	ug/l	99
23) Vinyl Acetate	6.25	43	596601	105.807	ug/l	99
24) 1,1-Dichloroethane	6.21	63	105579	21.969	ug/l	98
25) 2-Butanone	7.17	43	91378	88.976	ug/l	100
26) 2,2-Dichloropropane	7.17	77	56939	19.265	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	57402	21.618	ug/l	99
28) Bromochloromethane	7.51	49	47545	22.288	ug/l	100
29) Tetrahydrofuran	7.53	42	59343	101.089	ug/l	99
30) Chloroform	7.67	83	98289	22.168	ug/l	95
31) Cyclohexane	7.95	56	101683	22.041	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	75539	22.371	ug/l	98
36) 1,1-Dichloropropene	8.08	75	80338	22.078	ug/l	99
37) Ethyl Acetate	7.26	43	43376	20.720	ug/l	99
38) Carbon Tetrachloride	8.07	117	69563	22.331	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	87838	21.923	ug/l	99
40) Benzene	8.32	78	223157	21.895	ug/l	100
41) Methacrylonitrile	7.48	41	24404	19.501	ug/l	96
42) 1,2-Dichloroethane	8.40	62	71588	22.434	ug/l	99
43) Isopropyl Acetate	8.42	43	78802	20.468	ug/l	98
44) Trichloroethene	9.09	130	53096	21.674	ug/l	99
45) 1,2-Dichloropropane	9.37	63	59426	21.791	ug/l	97
46) Dibromomethane	9.46	93	27217	21.866	ug/l	99
47) Bromodichloromethane	9.65	83	70661	21.642	ug/l	96
48) Methyl methacrylate	9.44	41	38710	20.931	ug/l	100
49) 1,4-Dioxane	9.46	88	7339	407.209	ug/l #	77
51) 4-Methyl-2-Pentanone	10.21	43	205097	102.415	ug/l	99
52) Toluene	10.39	92	136449	22.168	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	71319	20.910	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	86983	21.449	ug/l	94
55) 1,1,2-Trichloroethane	10.79	97	38055	21.548	ug/l	98
56) Ethyl methacrylate	10.65	69	54063	20.920	ug/l	99
57) 1,3-Dichloropropane	10.93	76	73064	21.867	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	134706	114.801	ug/l	100
59) 2-Hexanone	10.97	43	137523	97.260	ug/l	99
60) Dibromochloromethane	11.13	129	42409	21.633	ug/l	98
61) 1,2-Dibromoethane	11.24	107	35508	21.246	ug/l	100
64) Tetrachloroethene	10.86	164	43057	21.550	ug/l	97
65) Chlorobenzene	11.66	112	135110	21.900	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	46827	21.790	ug/l	98
67) Ethyl Benzene	11.73	91	259208	22.060	ug/l	100
68) m/p-Xylenes	11.84	106	188991	44.228	ug/l	100
69) o-Xylene	12.16	106	86611	21.812	ug/l	97
70) Styrene	12.18	104	152122	22.157	ug/l	99
71) Bromoform	12.35	173	23034	21.022	ug/l #	96
73) Isopropylbenzene	12.46	105	242805	21.600	ug/l	99
74) N-amyl acetate	12.27	43	72010	20.462	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	45606	21.569	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	58803	36.882	ug/l #	100
77) Bromobenzene	12.74	156	53677	21.604	ug/l	99
78) n-propylbenzene	12.80	91	300288	21.950	ug/l	99
79) 2-Chlorotoluene	12.89	91	172535	21.892	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	207153	21.984	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	14075	20.346	ug/l	97
82) 4-Chlorotoluene	12.99	91	183450	22.185	ug/l	98
83) tert-Butylbenzene	13.21	119	173121	21.971	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	209529	22.074	ug/l	98
85) sec-Butylbenzene	13.38	105	249661	22.205	ug/l	99
86) p-Isopropyltoluene	13.50	119	220627	21.628	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	104727	21.497	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	103806	21.420	ug/l	99
89) n-Butylbenzene	13.82	91	219872	21.598	ug/l	99
90) Hexachloroethane	14.09	117	38721	21.466	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	91871	21.322	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7406	20.540	ug/l	98

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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	64820	21.345	ug/l	98
94) Hexachlorobutadiene	15.24	225	42146	22.255	ug/l	97
95) Naphthalene	15.36	128	111367	20.014	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	55779	20.955	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: VW011819.D

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Instrument :

MSVOA_W

ClientSampleId :

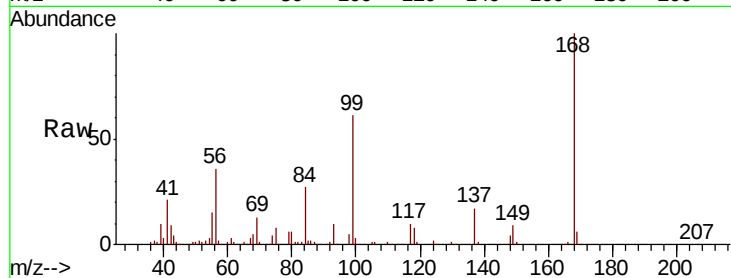
VW0812SBSD01

Tgt Ion:168 Resp: 214871

Ion Ratio Lower Upper

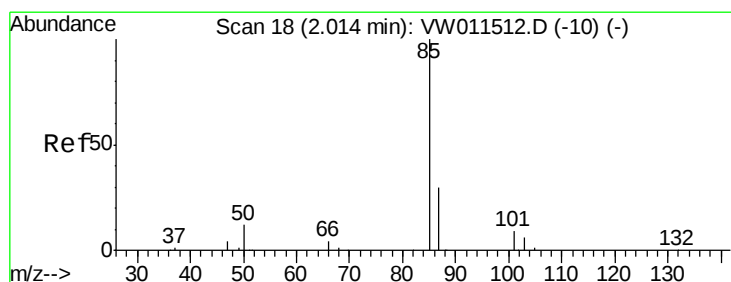
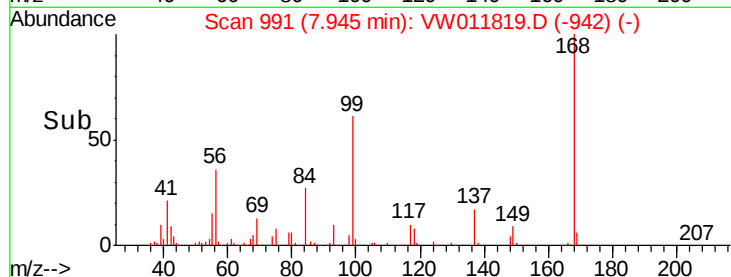
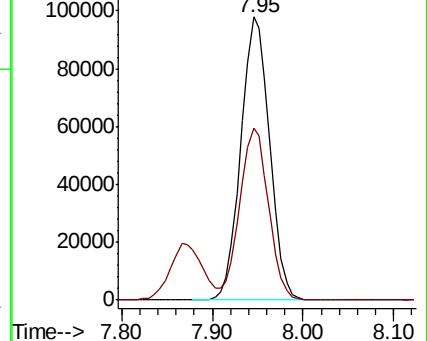
168 100

99 60.8 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 24.440 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011819.D

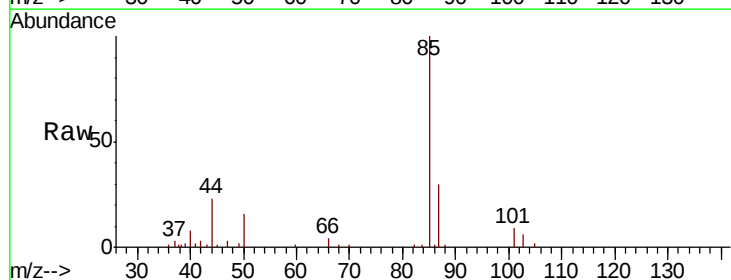
Acq: 09 Aug 2019 19:08

Tgt Ion: 85 Resp: 29267

Ion Ratio Lower Upper

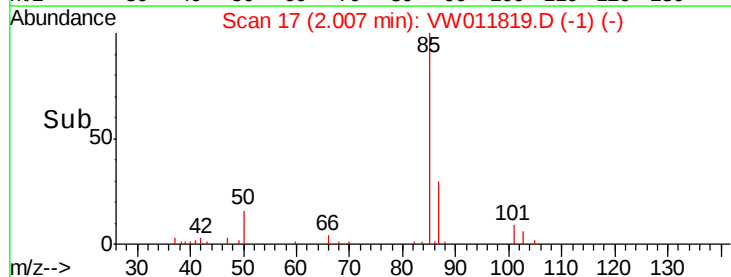
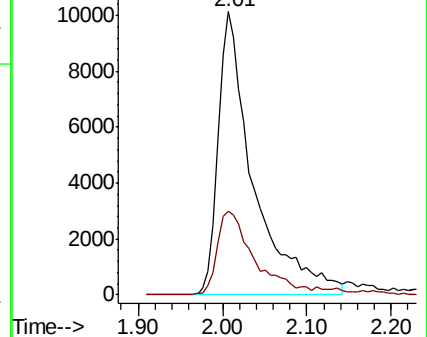
85 100

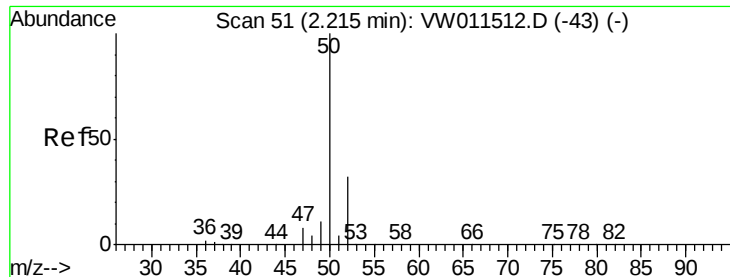
87 29.5 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 21.379 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011819.D

Acq: 09 Aug 2019 19:08

Instrument :

MSVOA_W

ClientSampleId :

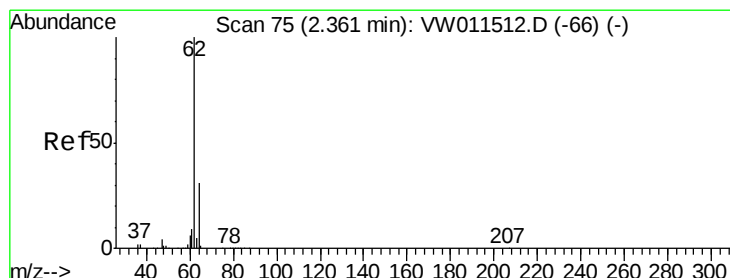
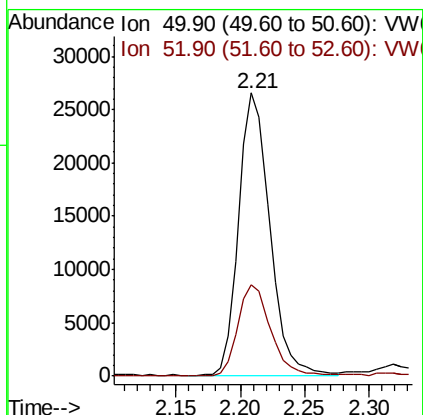
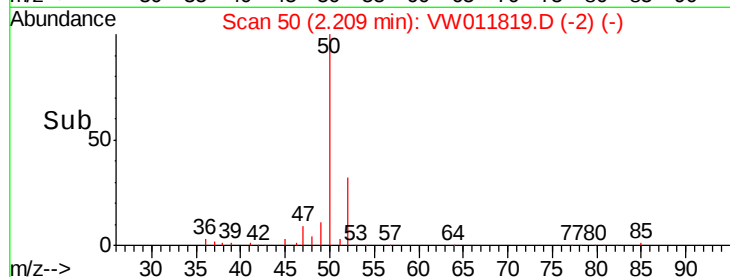
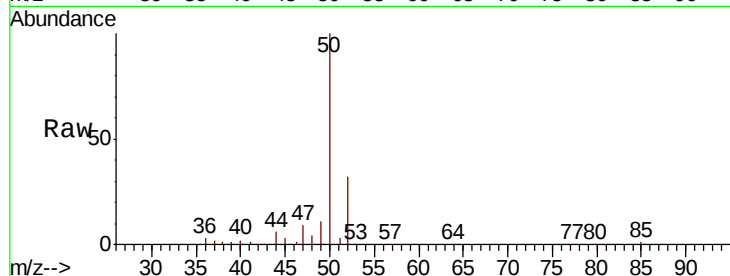
VW0812SBSD01

Tgt Ion: 50 Resp: 44393

Ion Ratio Lower Upper

50 100

52 32.5 25.4 38.2



#4

Vinyl Chloride

Concen: 21.927 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW011819.D

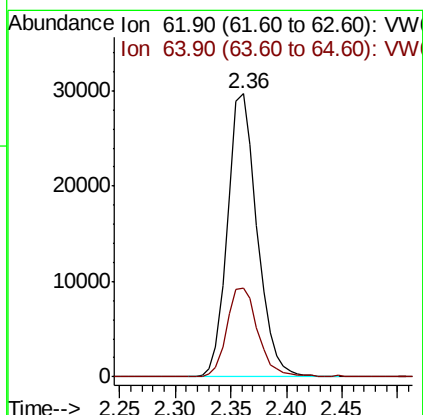
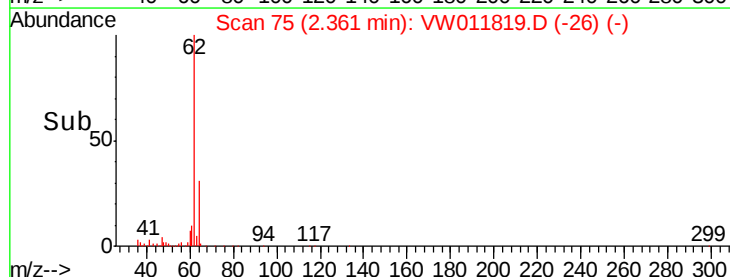
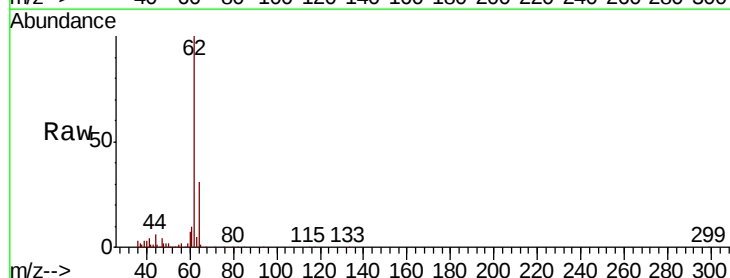
Acq: 09 Aug 2019 19:08

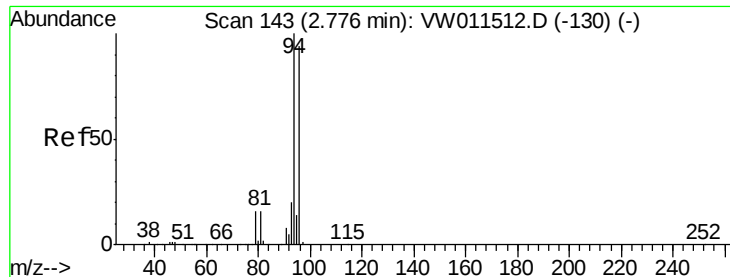
Tgt Ion: 62 Resp: 54816

Ion Ratio Lower Upper

62 100

64 31.3 25.0 37.4





#5

Bromomethane

Concen: 19.584 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW011819.D

Acq: 09 Aug 2019 19:08

Instrument :

MSVOA_W

ClientSampleId :

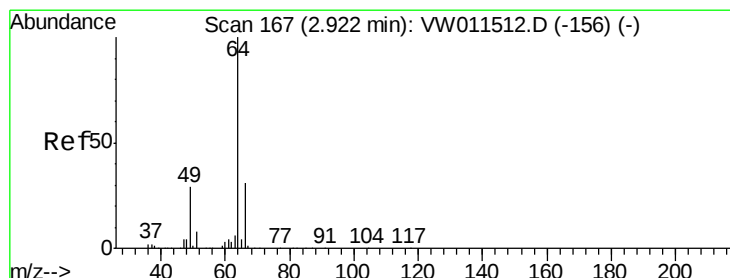
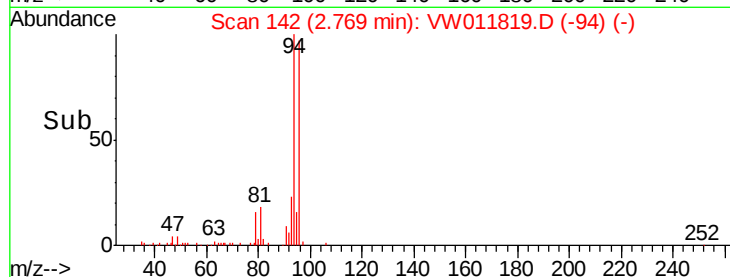
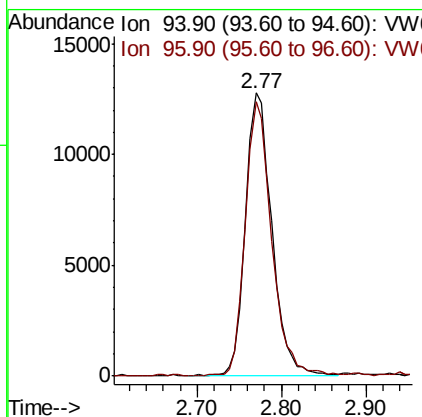
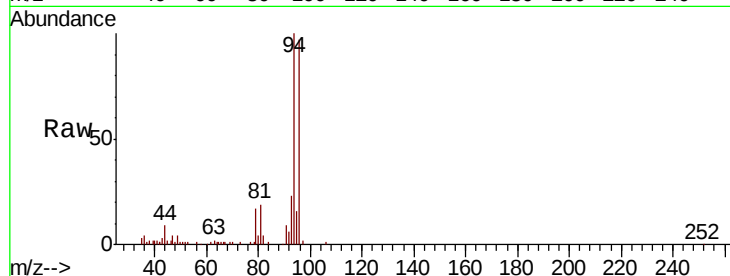
VW0812SBSD01

Tgt Ion: 94 Resp: 27099

Ion Ratio Lower Upper

94 100

96 96.9 75.0 112.6



#6

Chloroethane

Concen: 21.264 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW011819.D

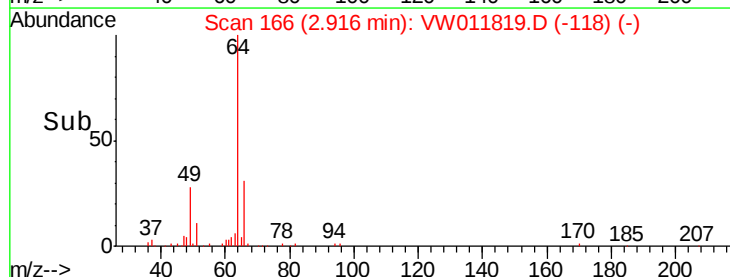
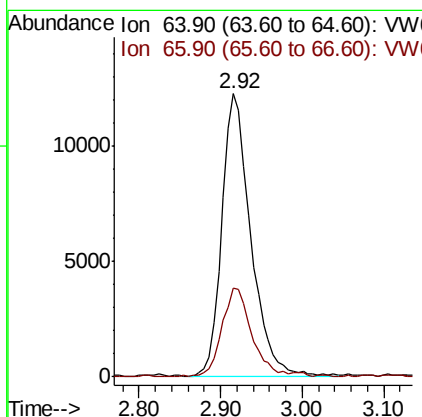
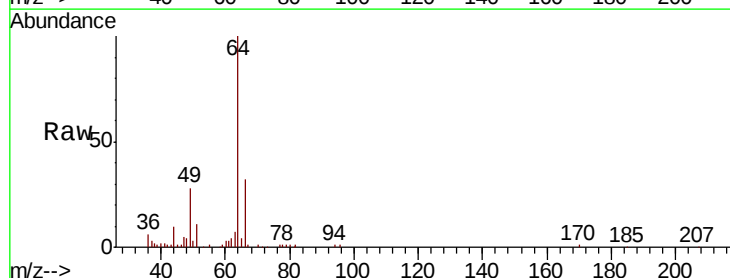
Acq: 09 Aug 2019 19:08

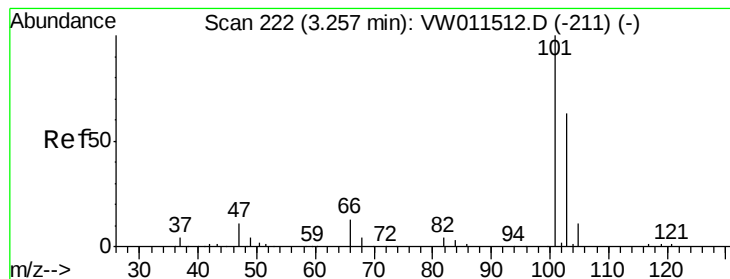
Tgt Ion: 64 Resp: 30365

Ion Ratio Lower Upper

64 100

66 31.5 24.6 36.8



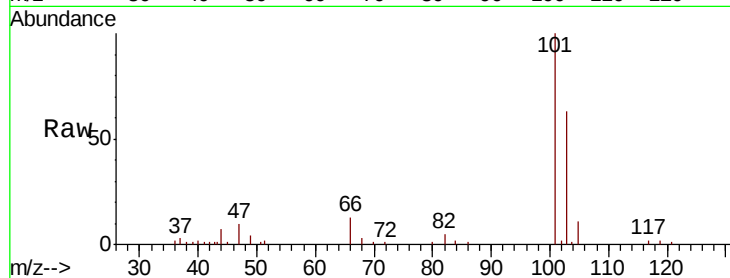


#7

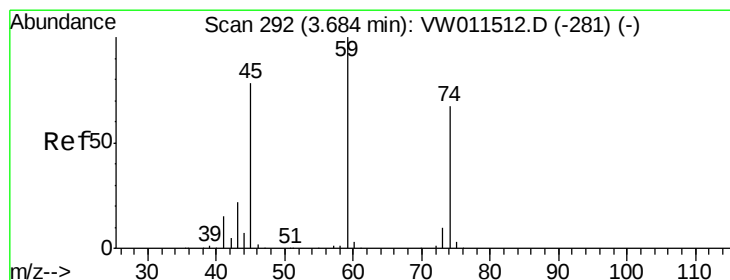
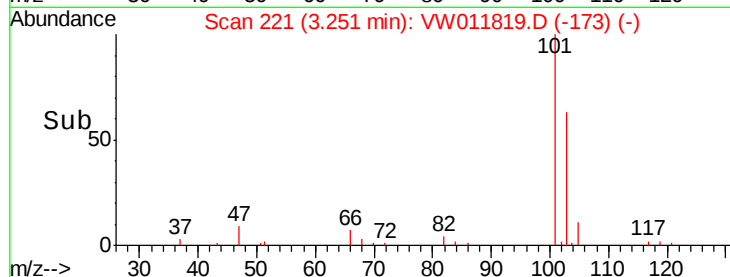
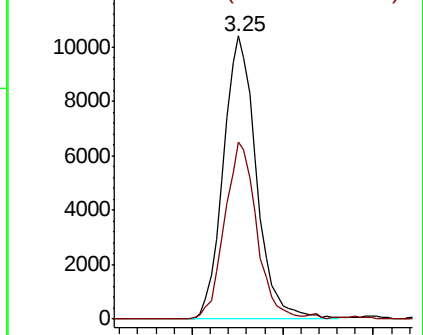
Trichlorofluoromethane
 Concen: 23.614 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW011819.D
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Tgt Ion:101 Resp: 26383
 Ion Ratio Lower Upper
 101 100
 103 62.6 50.2 75.4



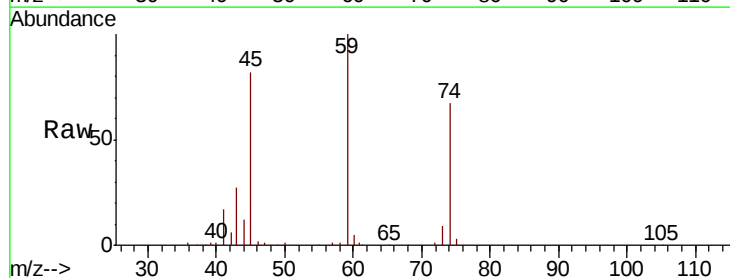
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



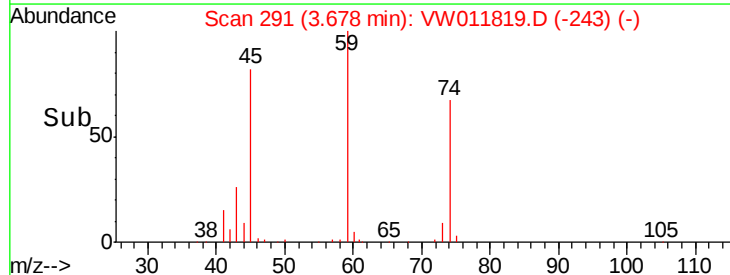
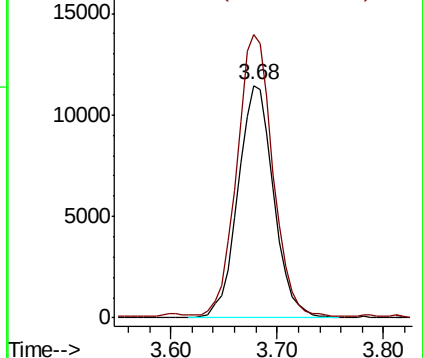
#8

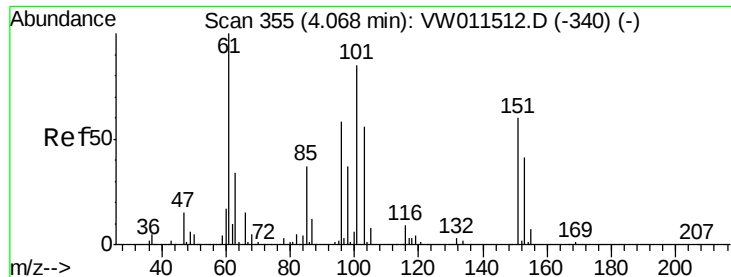
Diethyl Ether
 Concen: 21.200 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW011819.D
 Acq: 09 Aug 2019 19:08

Tgt Ion: 74 Resp: 26855
 Ion Ratio Lower Upper
 74 100
 45 123.2 59.6 178.8



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.170 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW011819.D

Acq: 09 Aug 2019 19:08

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBSD01

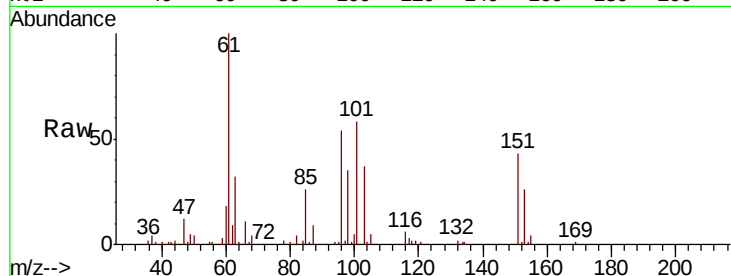
Tgt Ion:101 Resp: 46988

Ion Ratio Lower Upper

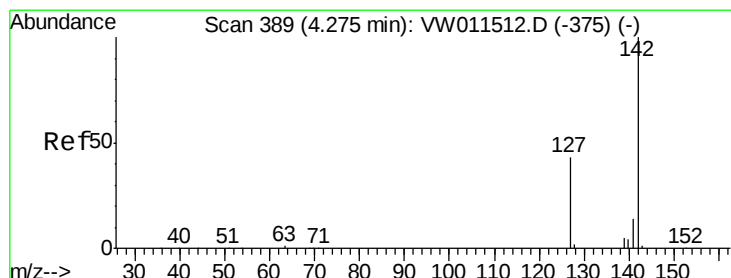
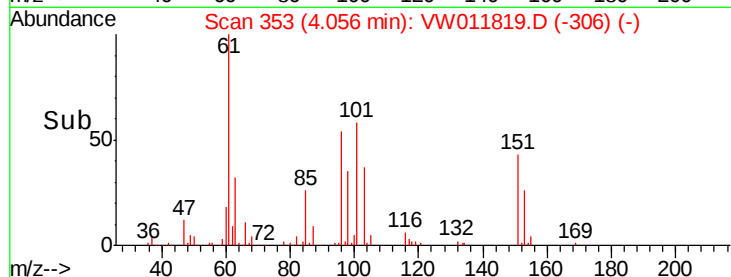
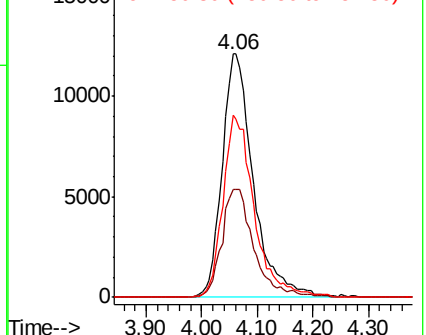
101 100

85 45.8 36.6 54.8

151 74.8 60.2 90.2



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: 21.818 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.01 min

Lab File: VW011819.D

Acq: 09 Aug 2019 19:08

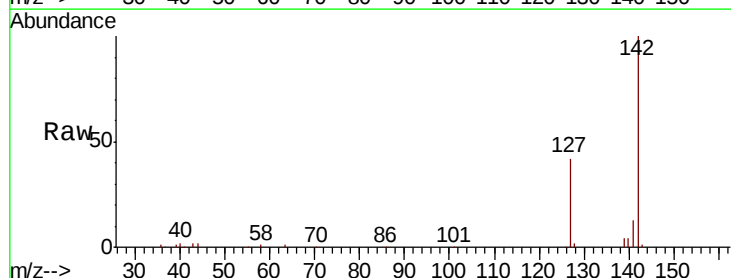
Tgt Ion:142 Resp: 65347

Ion Ratio Lower Upper

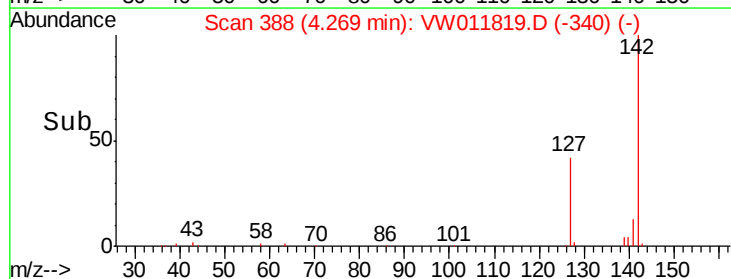
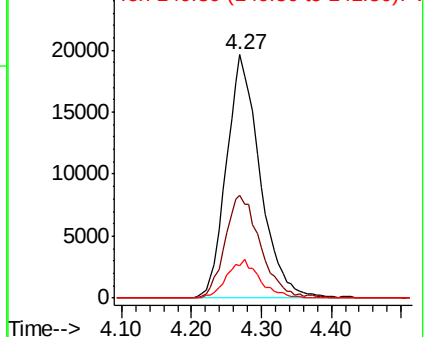
142 100

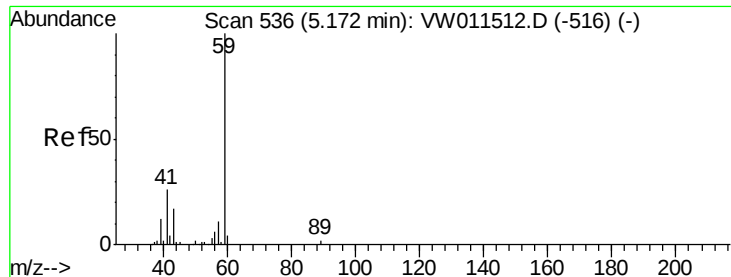
127 44.8 35.0 52.6

141 15.4 11.9 17.9



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

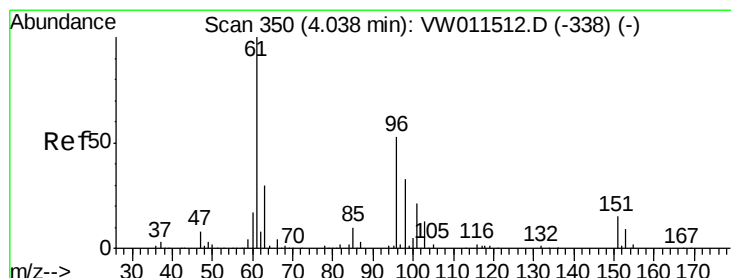
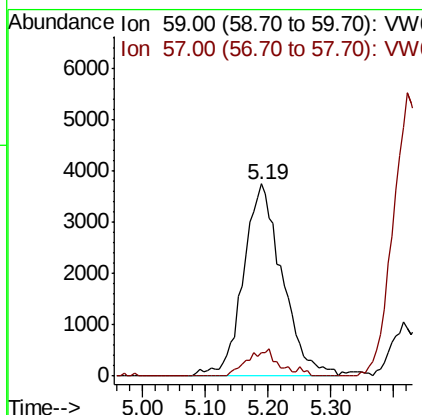
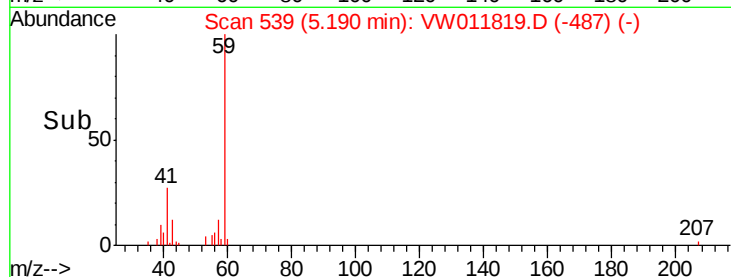
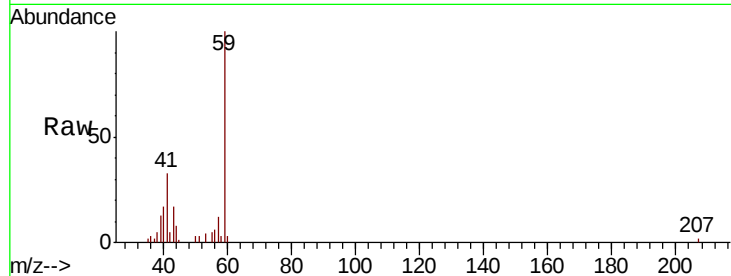




#11
Tert butyl alcohol
Concen: 75.897 ug/l
RT: 5.19 min Scan# 539
Delta R.T. 0.02 min
Lab File: VW011819.D
Acq: 09 Aug 2019 19:08

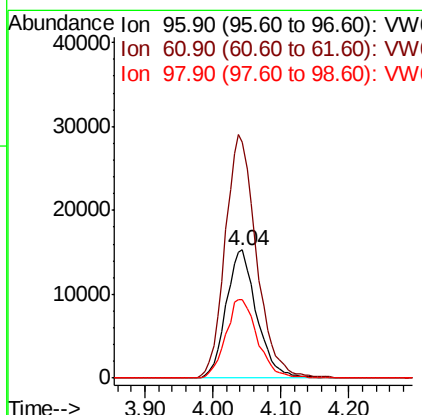
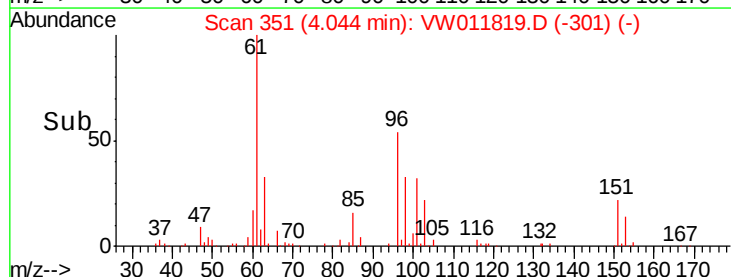
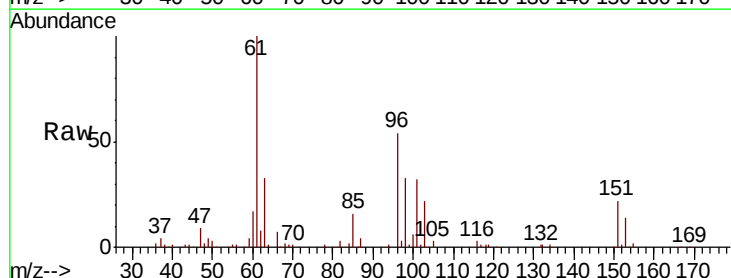
Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD01

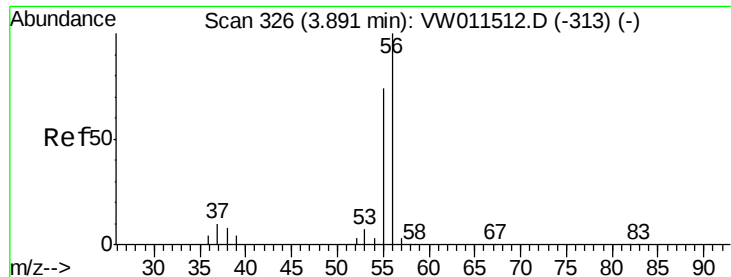
Tgt Ion: 59 Resp: 16081
Ion Ratio Lower Upper
59 100
57 11.1 8.5 12.7



#12
1,1-Dichloroethene
Concen: 21.353 ug/l
RT: 4.04 min Scan# 351
Delta R.T. 0.01 min
Lab File: VW011819.D
Acq: 09 Aug 2019 19:08

Tgt Ion: 96 Resp: 47783
Ion Ratio Lower Upper
96 100
61 184.4 149.9 224.9
98 61.7 49.1 73.7





#13

Acrolein

Concen: 74.623 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW011819.D

Acq: 09 Aug 2019 19:08

Instrument :

MSVOA_W

ClientSampleId :

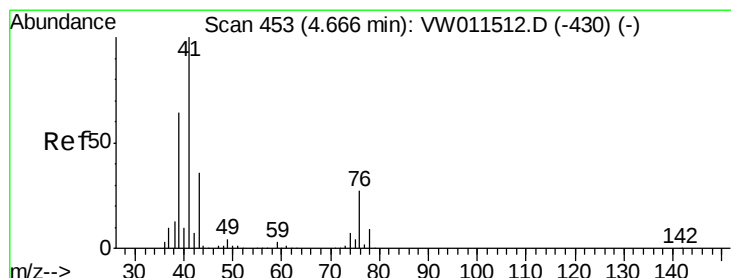
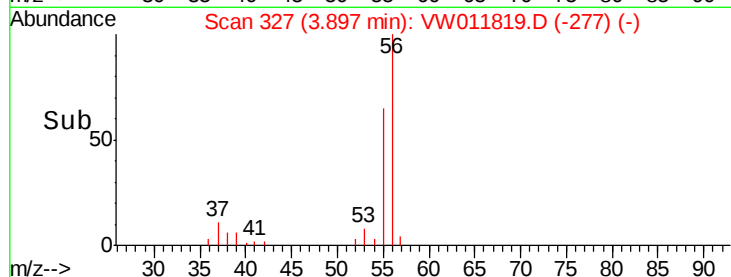
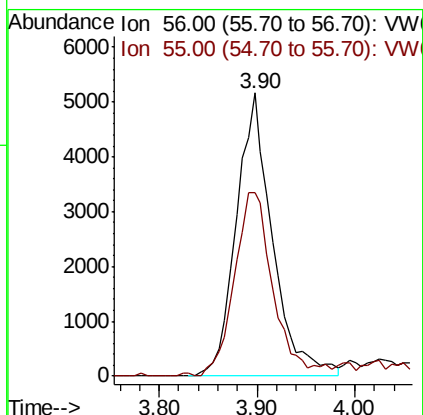
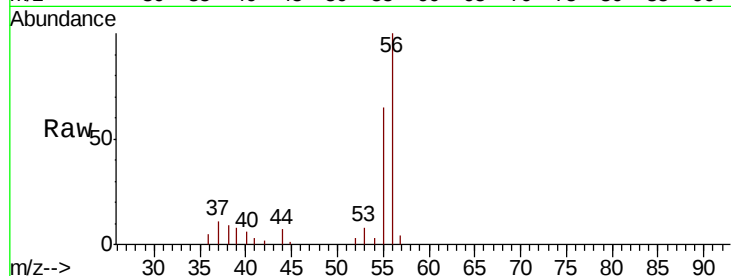
VW0812SBSD01

Tgt Ion: 56 Resp: 13211

Ion Ratio Lower Upper

56 100

55 68.7 56.0 84.0



#14

Allyl chloride

Concen: 21.832 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW011819.D

Acq: 09 Aug 2019 19:08

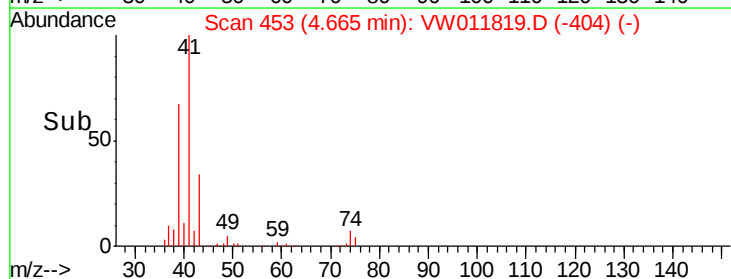
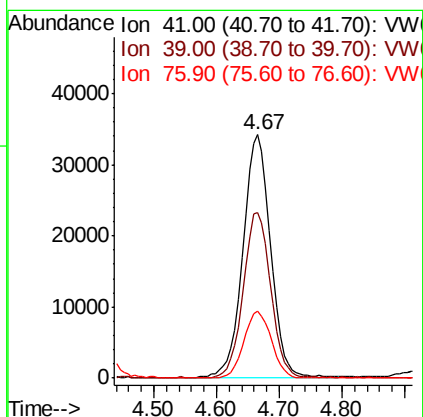
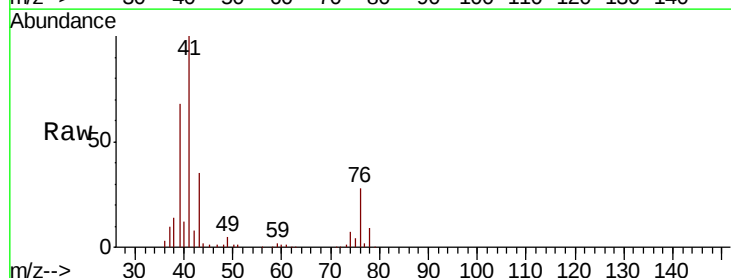
Tgt Ion: 41 Resp: 103912

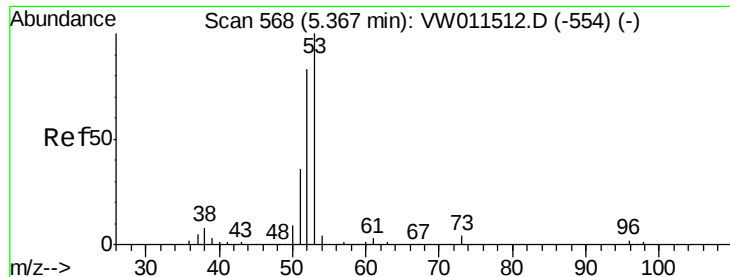
Ion Ratio Lower Upper

41 100

39 68.2 52.6 78.8

76 27.4 22.0 33.0





#15

Acrylonitrile

Concen: 103.838 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW011819.D

Acq: 09 Aug 2019 19:08

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBSD01

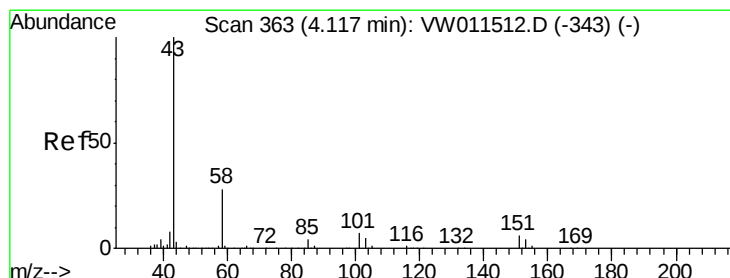
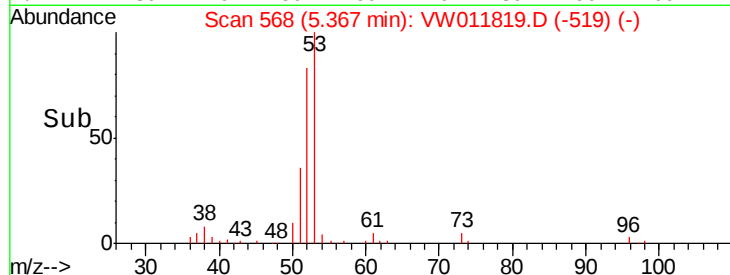
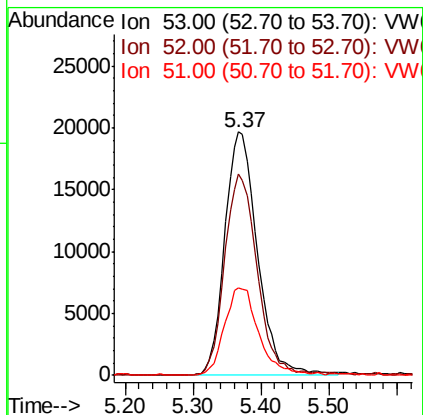
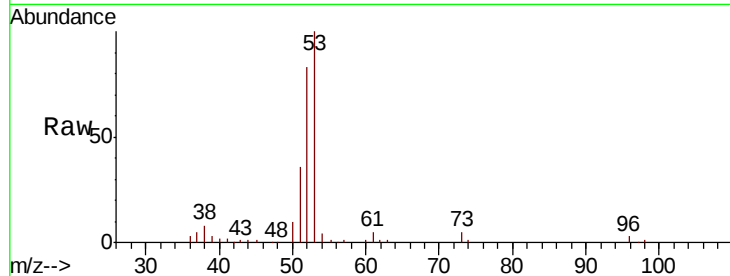
Tgt Ion: 53 Resp: 65663

Ion Ratio Lower Upper

53 100

52 82.1 67.2 100.8

51 37.4 30.0 45.0



#16

Acetone

Concen: 75.649 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW011819.D

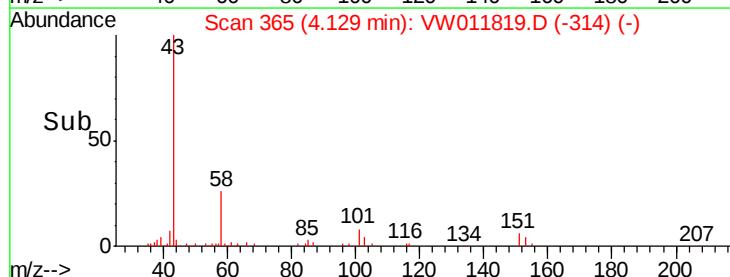
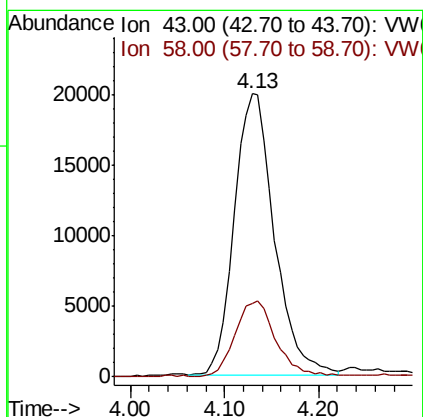
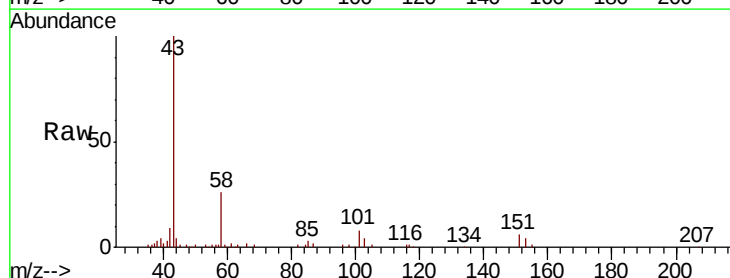
Acq: 09 Aug 2019 19:08

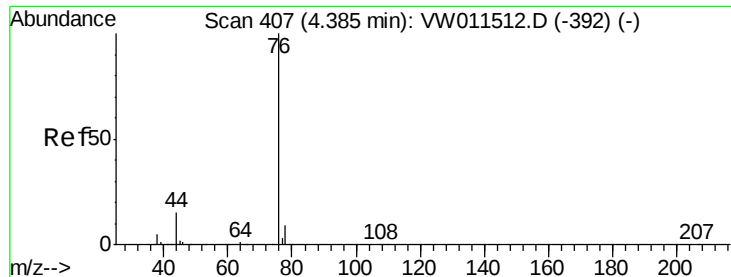
Tgt Ion: 43 Resp: 59373

Ion Ratio Lower Upper

43 100

58 25.9 22.3 33.5





#17

Carbon Disulfide

Concen: 21.006 ug/l

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW011819.D

Acq: 09 Aug 2019 19:08

Instrument :

MSVOA_W

ClientSampleId :

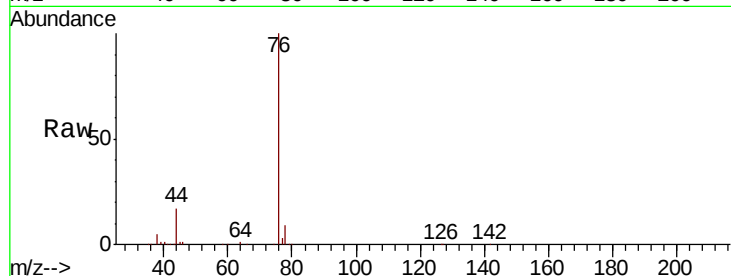
VW0812SBSD01

Tgt Ion: 76 Resp: 147123

Ion Ratio Lower Upper

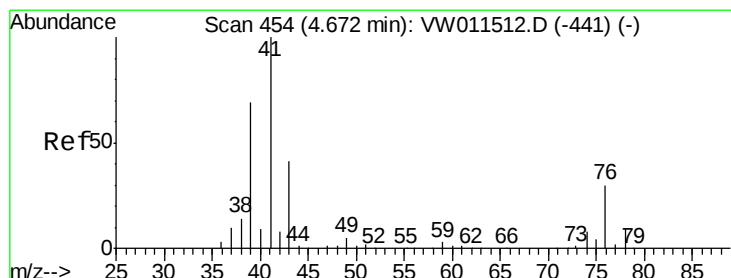
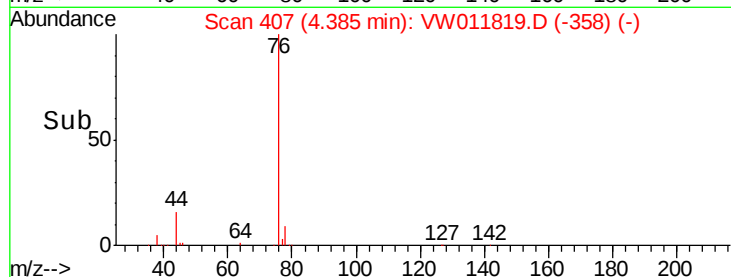
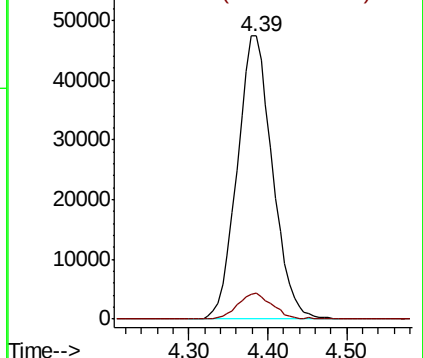
76 100

78 9.2 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 21.465 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW011819.D

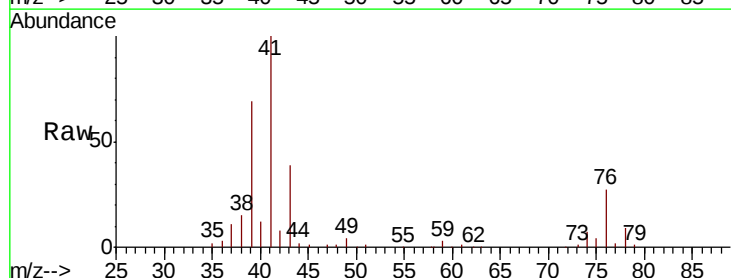
Acq: 09 Aug 2019 19:08

Tgt Ion: 43 Resp: 37846

Ion Ratio Lower Upper

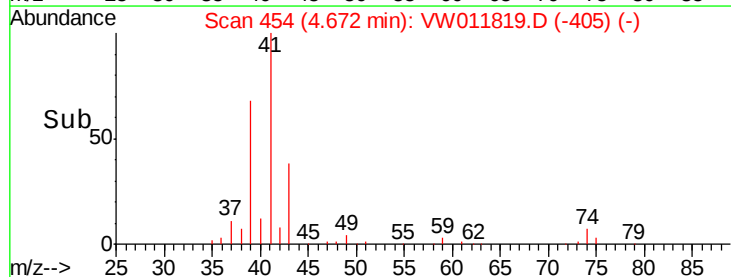
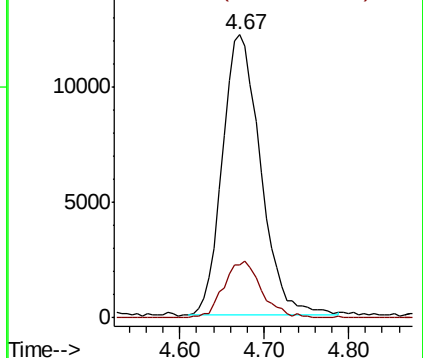
43 100

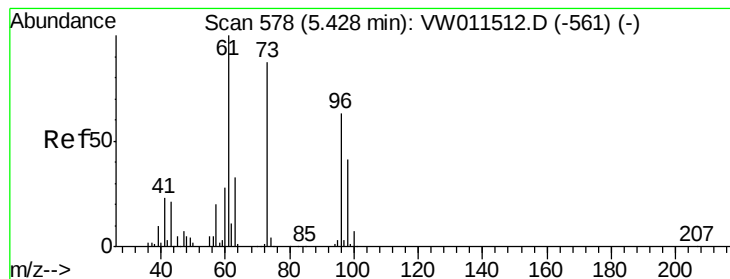
74 19.8 15.9 23.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



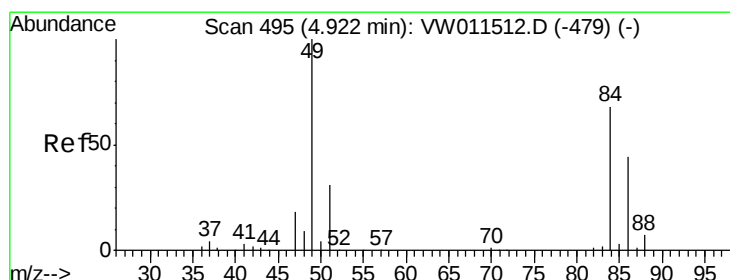
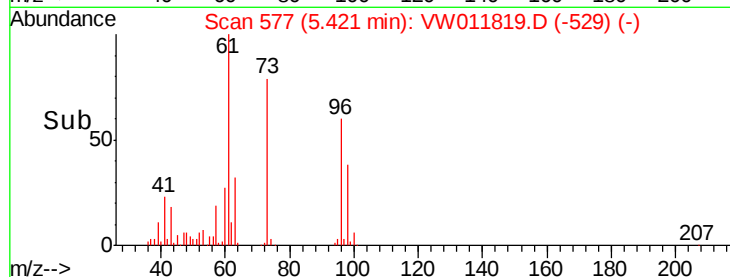
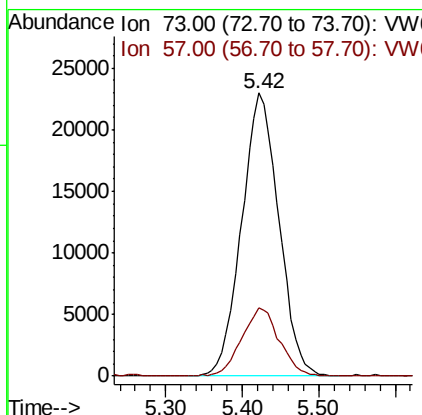
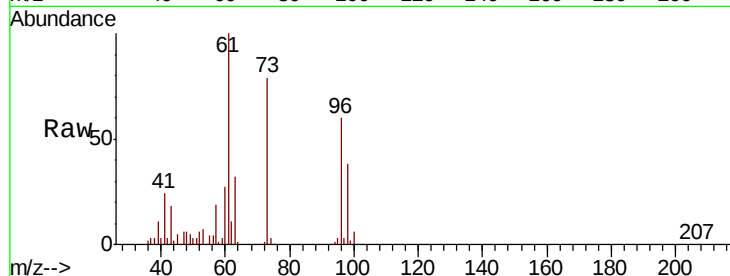


#19

Methyl tert-butyl Ether
 Concen: 21.873 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW011819.D
 Acq: 09 Aug 2019 19:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBSD01

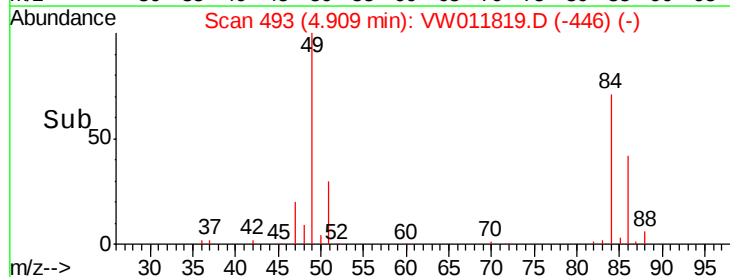
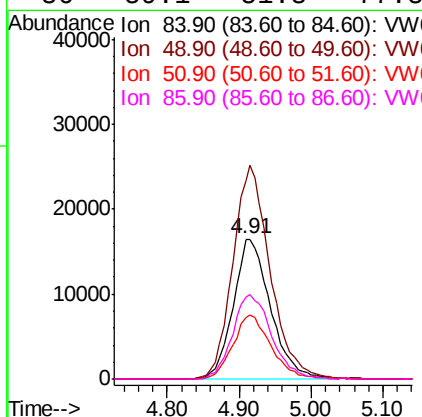
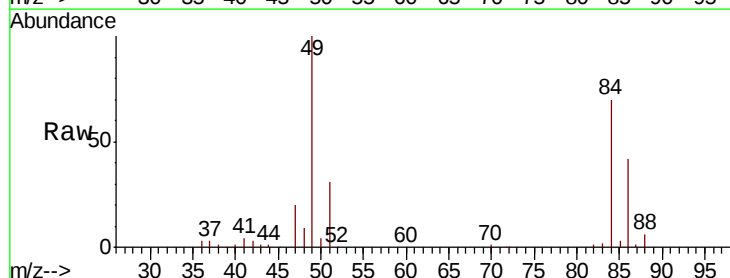
Tgt Ion: 73 Resp: 77672
 Ion Ratio Lower Upper
 73 100
 57 24.1 18.4 27.6

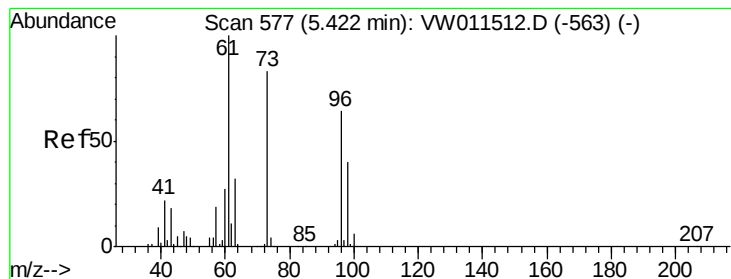


#20

Methylene Chloride
 Concen: 21.838 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW011819.D
 Acq: 09 Aug 2019 19:08

Tgt Ion: 84 Resp: 59112
 Ion Ratio Lower Upper
 84 100
 49 142.0 117.8 176.6
 51 43.8 37.0 55.4
 86 59.1 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 22.087 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW011819.D

Acq: 09 Aug 2019 19:08

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBSD01

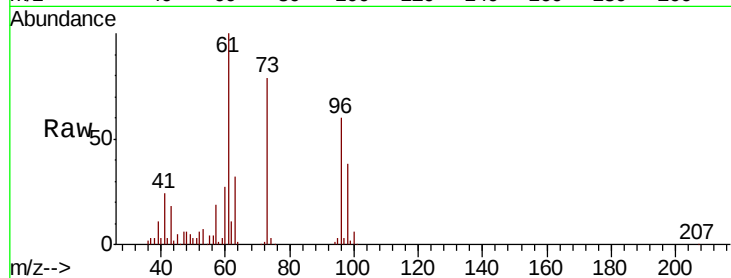
Tgt Ion: 96 Resp: 53286

Ion Ratio Lower Upper

96 100

61 167.4 125.7 188.5

98 63.3 50.3 75.5

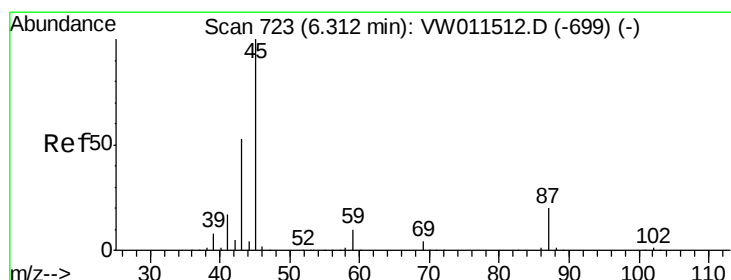
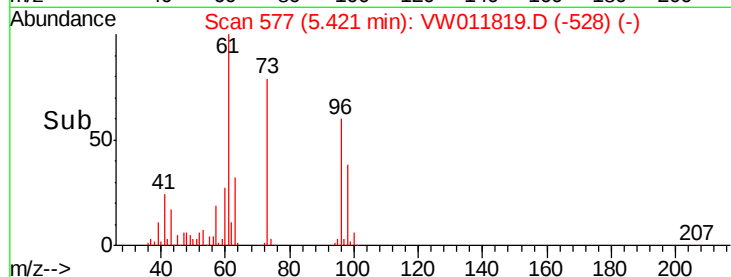
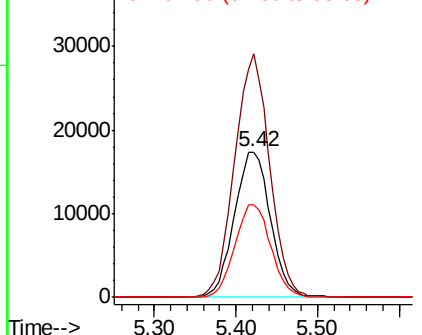


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 22.239 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW011819.D

Acq: 09 Aug 2019 19:08

Tgt Ion: 45 Resp: 199559

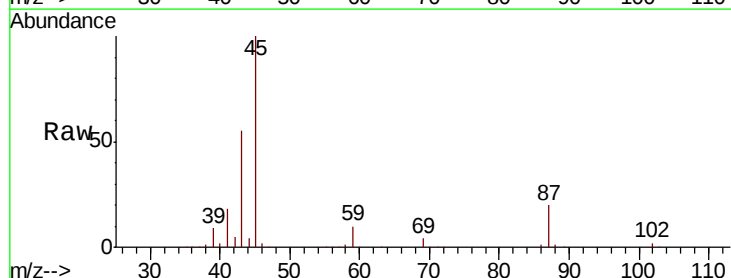
Ion Ratio Lower Upper

45 100

43 54.5 42.6 63.8

87 20.3 16.4 24.6

59 10.3 8.2 12.2



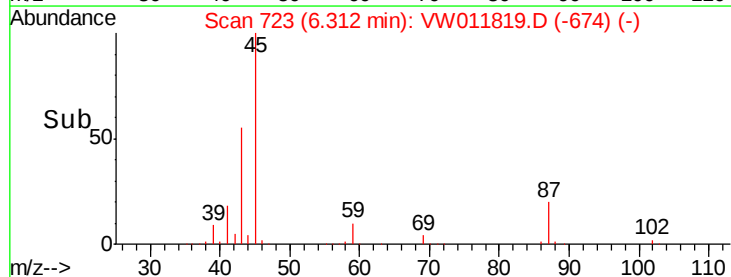
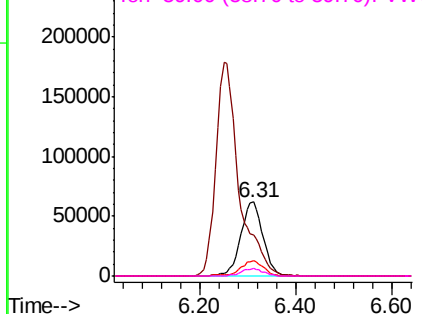
Abundance

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

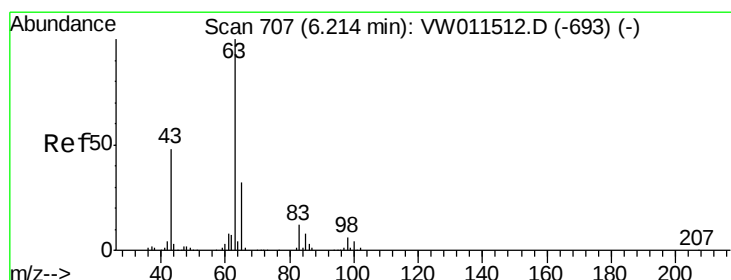
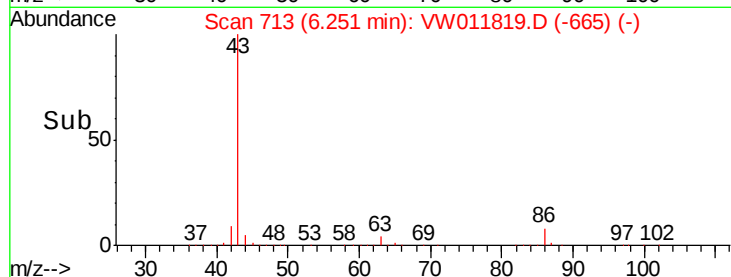
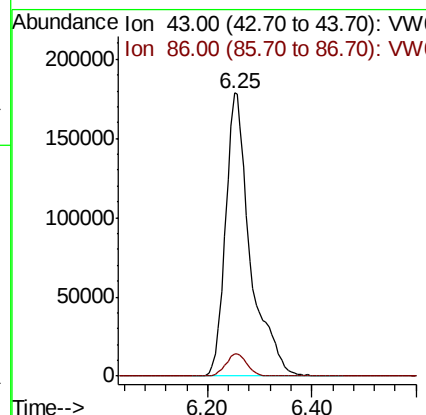
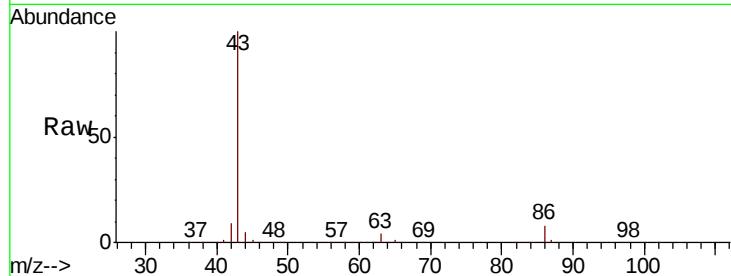




#23
 Vinyl Acetate
 Concen: 105.807 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.01 min
 Lab File: VW011819.D
 Acq: 09 Aug 2019 19:08

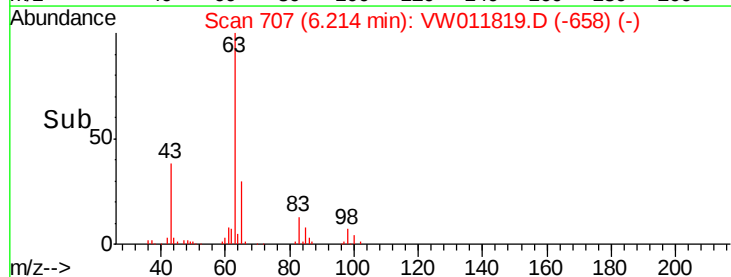
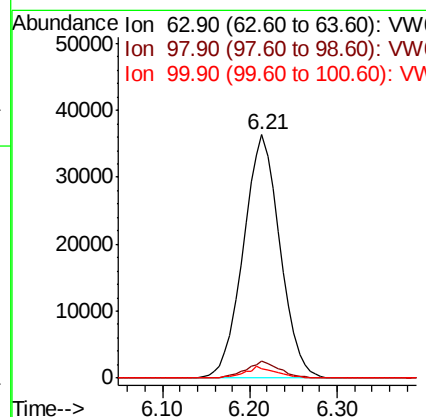
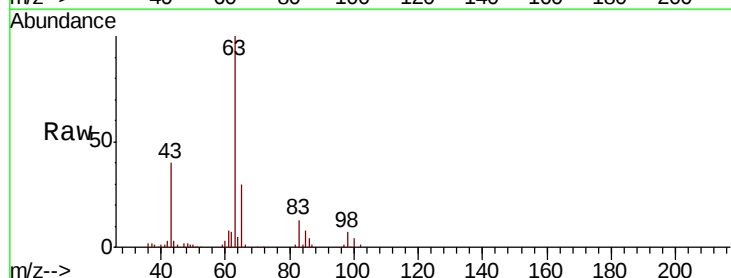
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBSD01

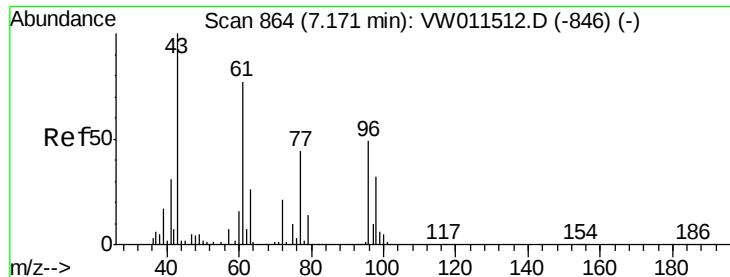
Tgt Ion: 43 Resp: 596601
 Ion Ratio Lower Upper
 43 100
 86 7.9 6.5 9.7



#24
 1,1-Dichloroethane
 Concen: 21.969 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW011819.D
 Acq: 09 Aug 2019 19:08

Tgt Ion: 63 Resp: 105579
 Ion Ratio Lower Upper
 63 100
 98 6.8 2.9 8.8
 100 3.7 2.1 6.3





#25

2-Butanone

Concen: 88.976 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW011819.D

Acq: 09 Aug 2019 19:08

Instrument :

MSVOA_W

ClientSampleId :

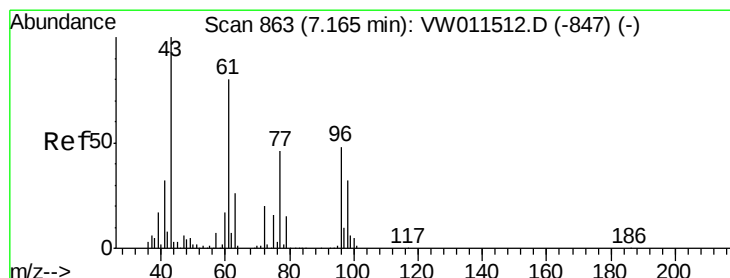
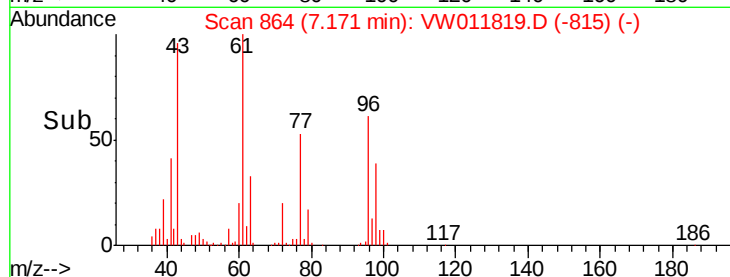
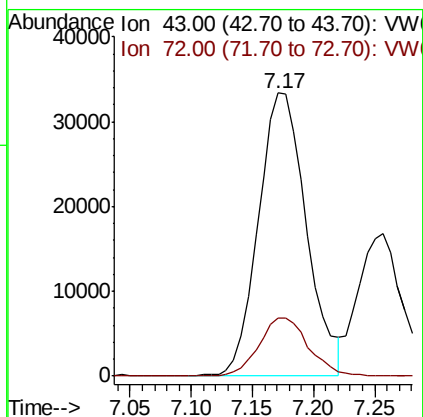
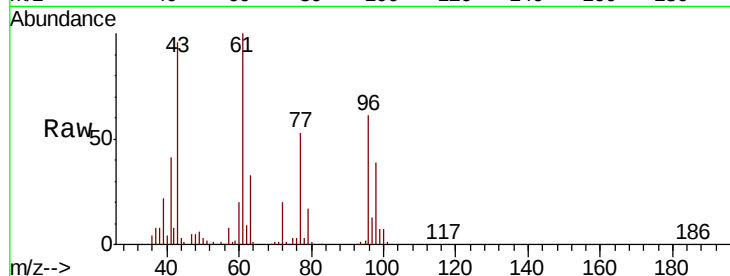
VW0812SBSD01

Tgt Ion: 43 Resp: 91378

Ion Ratio Lower Upper

43 100

72 20.7 16.6 24.8



#26

2,2-Dichloropropane

Concen: 19.265 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW011819.D

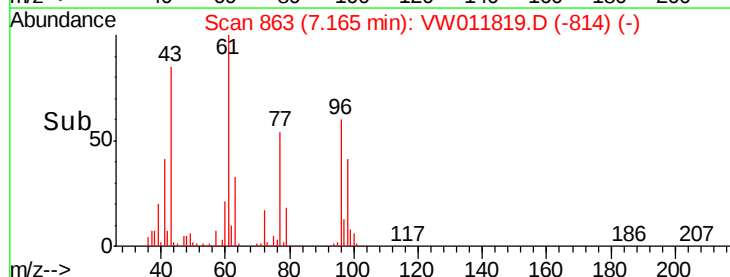
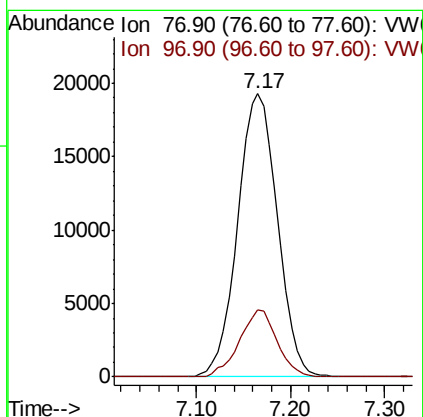
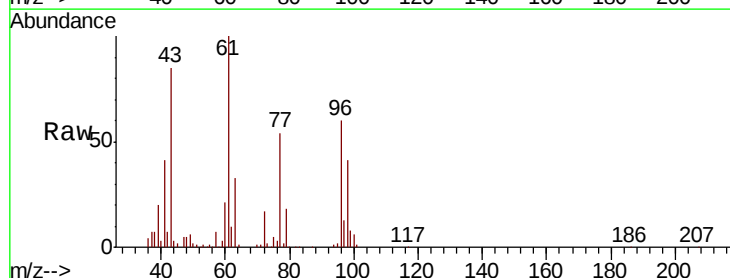
Acq: 09 Aug 2019 19:08

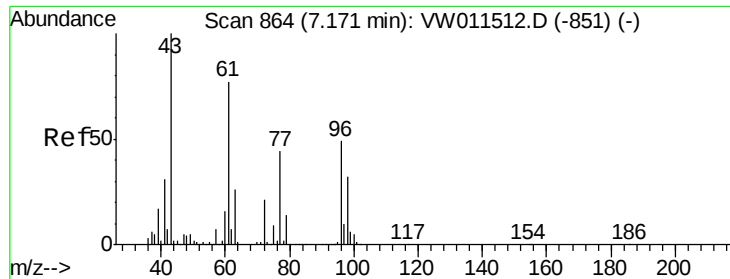
Tgt Ion: 77 Resp: 56939

Ion Ratio Lower Upper

77 100

97 22.5 10.8 32.4



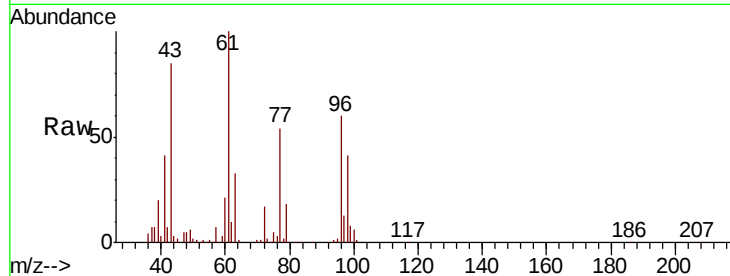


#27

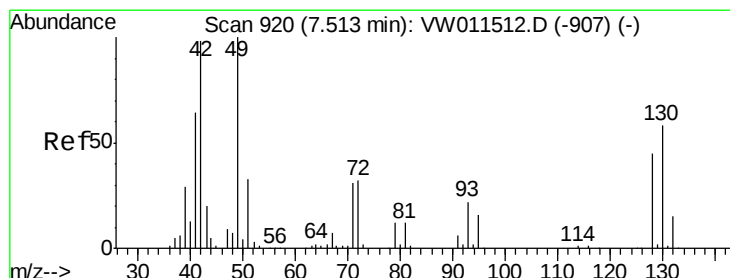
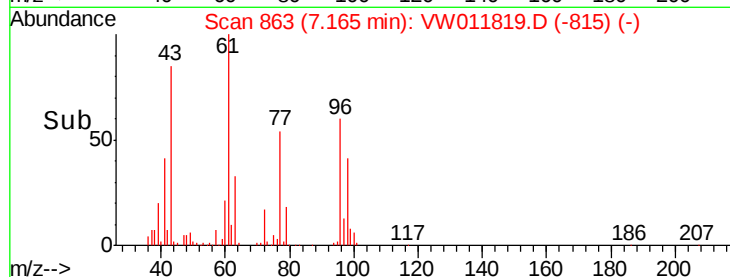
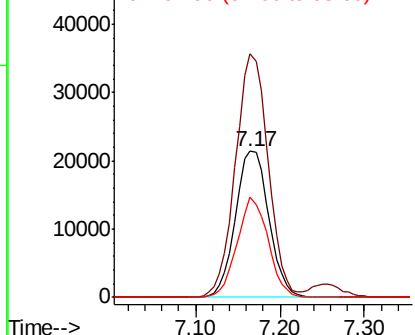
cis-1,2-Dichloroethene
 Concen: 21.618 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW011819.D
 Acq: 09 Aug 2019 19:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBSD01

Tgt Ion: 96 Resp: 57402
 Ion Ratio Lower Upper
 96 100
 61 163.3 0.0 328.4
 98 63.6 0.0 128.8



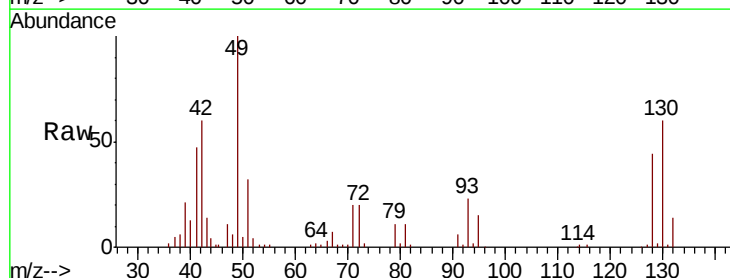
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



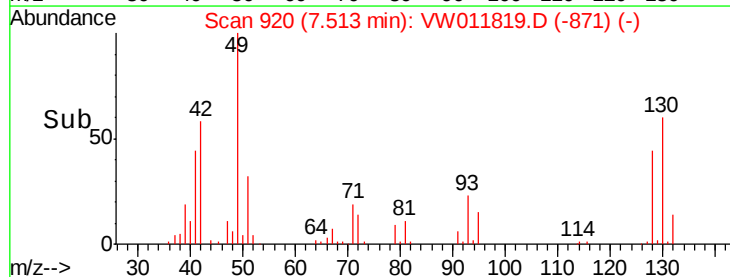
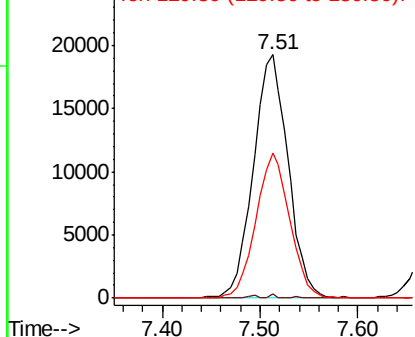
#28

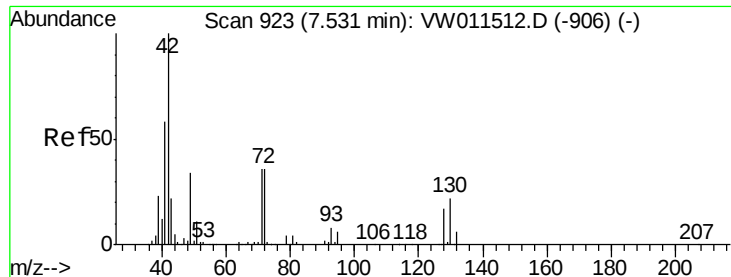
Bromochloromethane
 Concen: 22.288 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW011819.D
 Acq: 09 Aug 2019 19:08

Tgt Ion: 49 Resp: 47545
 Ion Ratio Lower Upper
 49 100
 129 0.2 0.0 1.0
 130 58.0 46.3 69.5



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

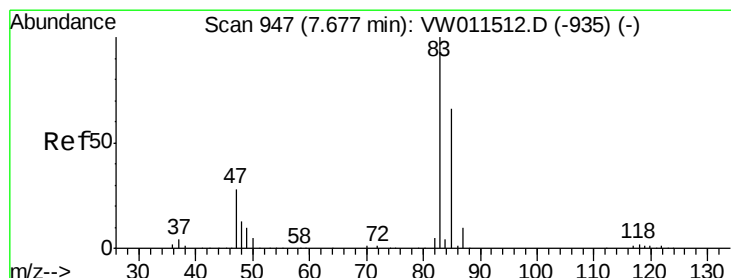
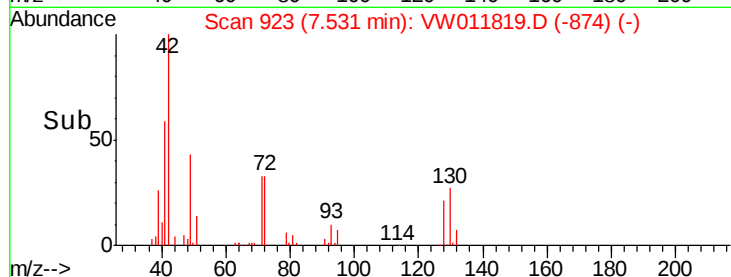
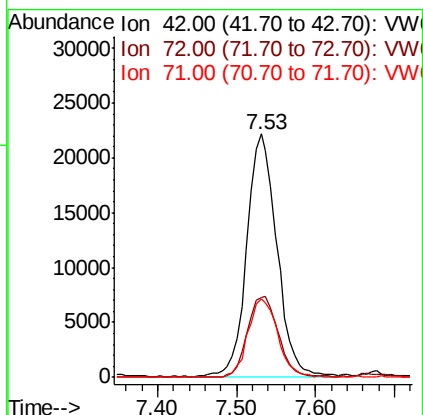
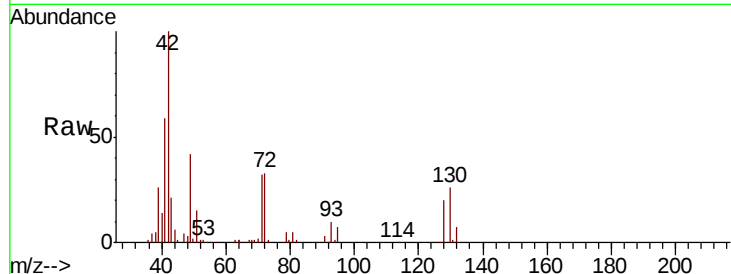




#29
Tetrahydrofuran
Concen: 101.089 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW011819.D
Acq: 09 Aug 2019 19:08

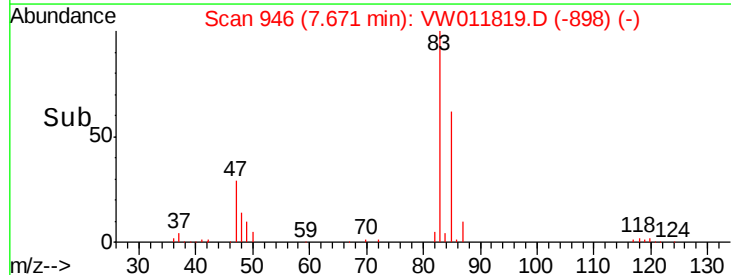
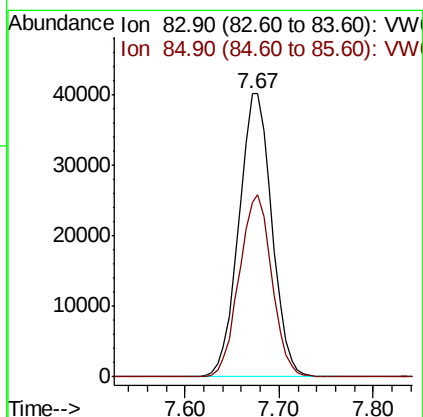
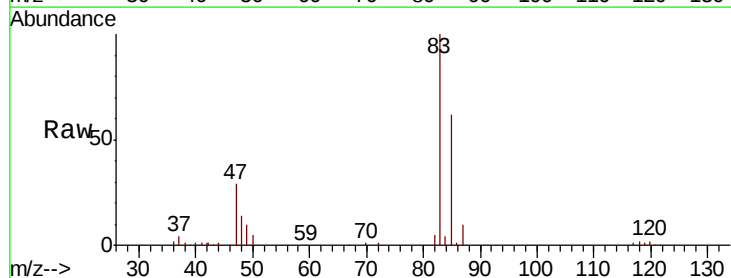
Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD01

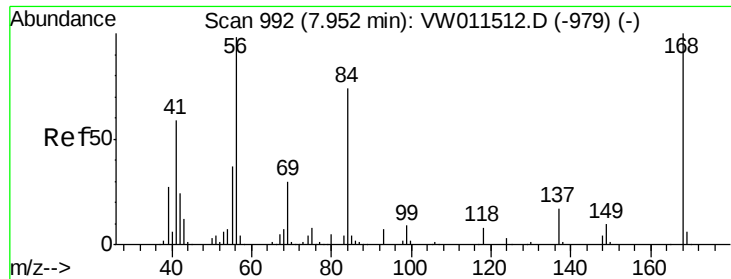
Tgt Ion: 42 Resp: 59343
Ion Ratio Lower Upper
42 100
72 33.9 27.1 40.7
71 31.8 26.2 39.4



#30
Chloroform
Concen: 22.168 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW011819.D
Acq: 09 Aug 2019 19:08

Tgt Ion: 83 Resp: 98289
Ion Ratio Lower Upper
83 100
85 61.6 52.5 78.7

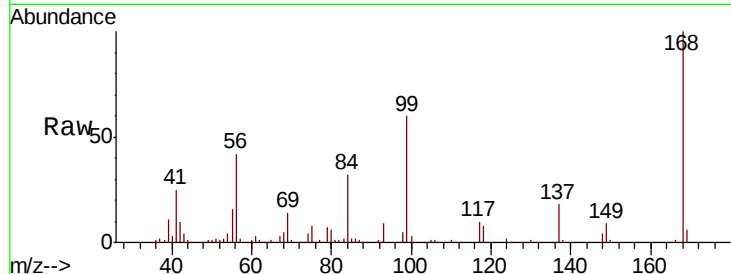




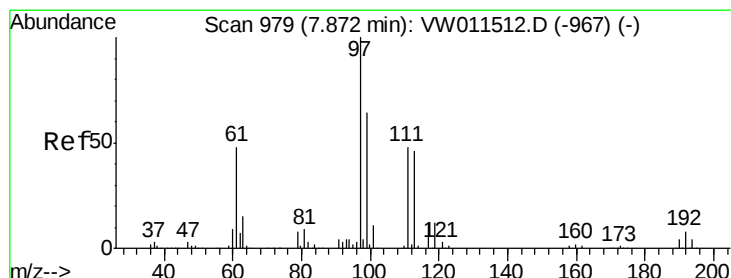
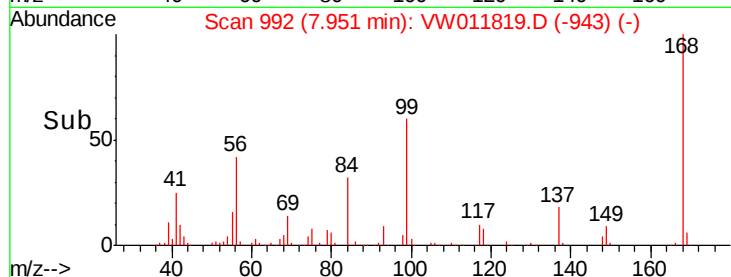
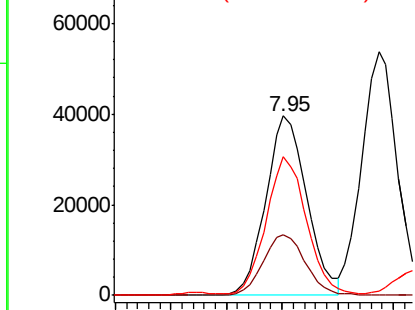
#31
Cyclohexane
Concen: 22.041 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW011819.D
Acq: 09 Aug 2019 19:08

Instrument :
MSVOA_W
ClientSampled :
VW0812SBSD01

Tgt Ion: 56 Resp: 101683
Ion Ratio Lower Upper
56 100
69 33.9 24.3 36.5
84 75.6 60.4 90.6

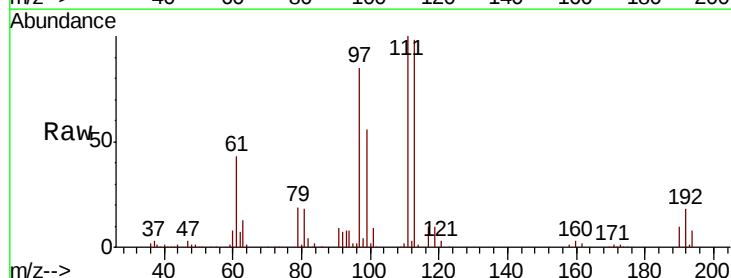


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

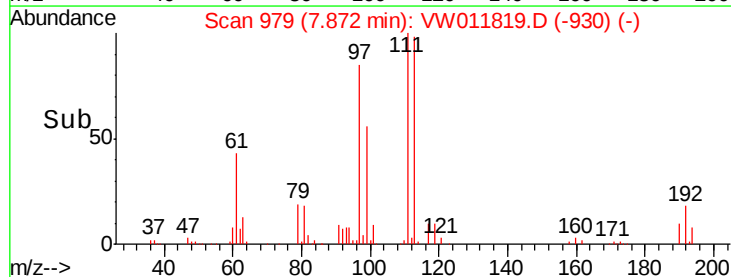
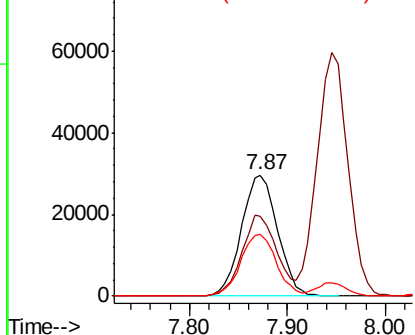


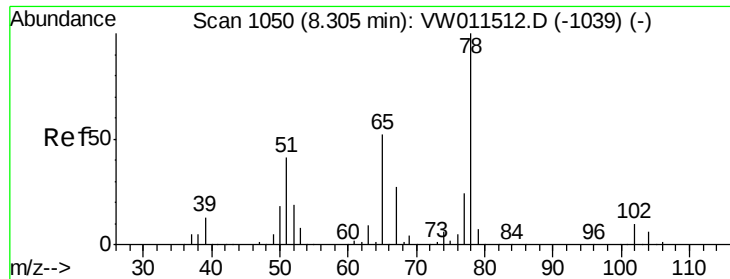
#32
1,1,1-Trichloroethane
Concen: 22.371 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW011819.D
Acq: 09 Aug 2019 19:08

Tgt Ion: 97 Resp: 75539
Ion Ratio Lower Upper
97 100
99 65.9 51.0 76.6
61 51.0 39.8 59.6



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

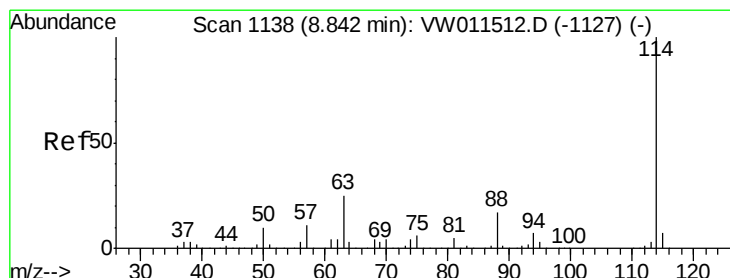
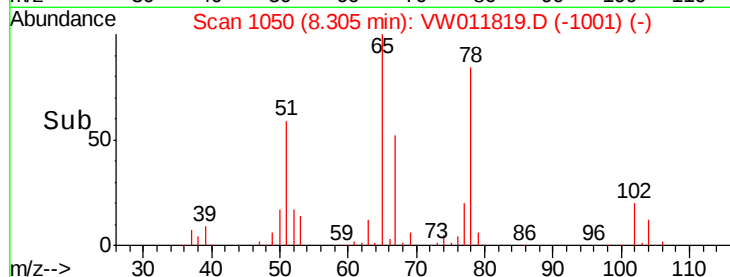
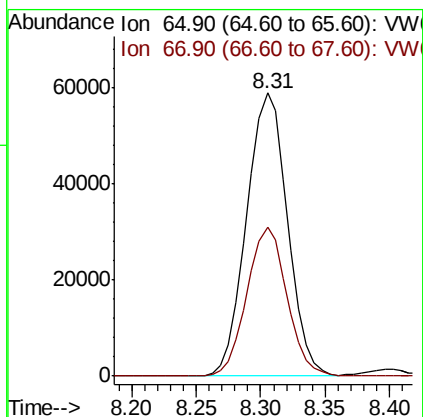
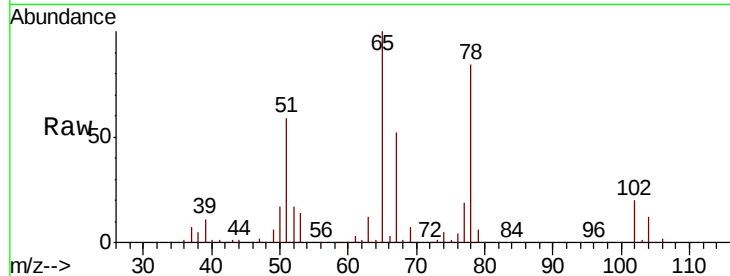




#33
 1,2-Dichloroethane-d4
 Concen: 52.676 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011819.D
 Acq: 09 Aug 2019 19:08

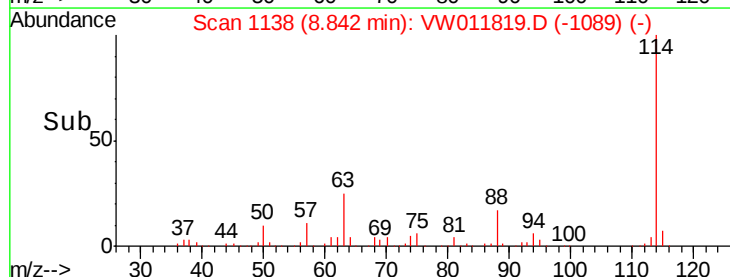
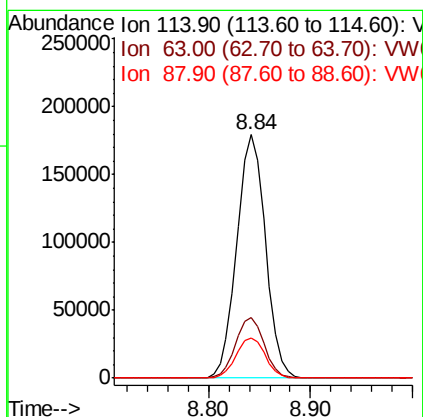
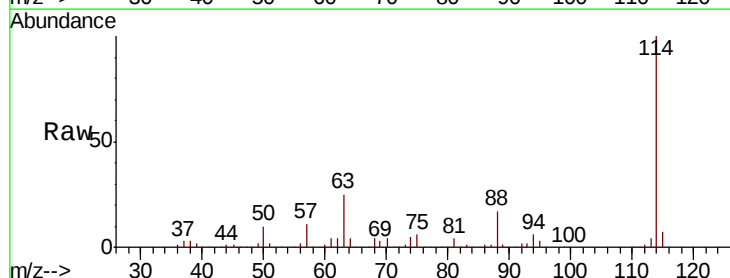
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBSD01

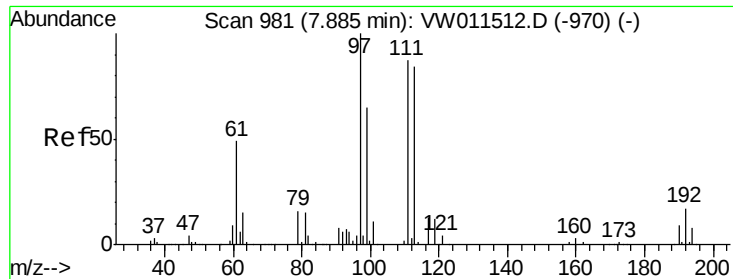
Tgt Ion: 65 Resp: 129969
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011819.D
 Acq: 09 Aug 2019 19:08

Tgt Ion: 114 Resp: 349942
 Ion Ratio Lower Upper
 114 100
 63 24.8 0.0 49.2
 88 16.7 0.0 33.8

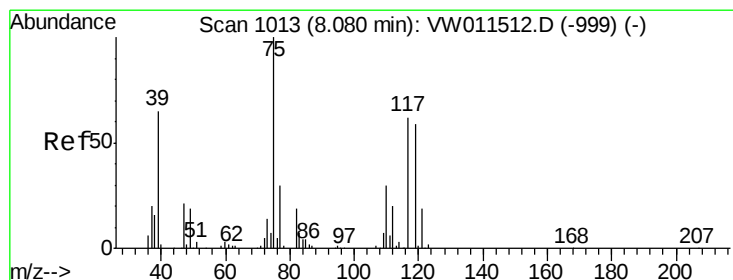
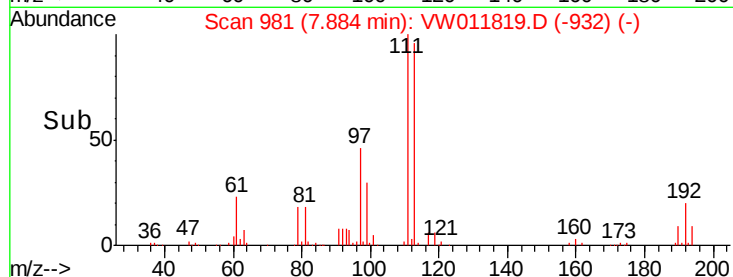
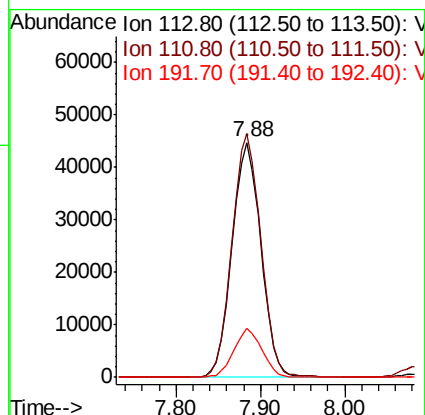
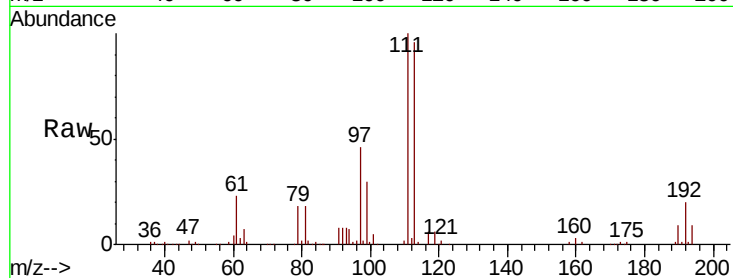




#35
 Dibromofluoromethane
 Concen: 52.855 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011819.D
 Acq: 09 Aug 2019 19:08

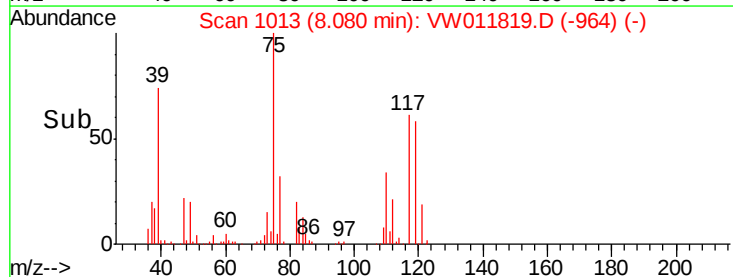
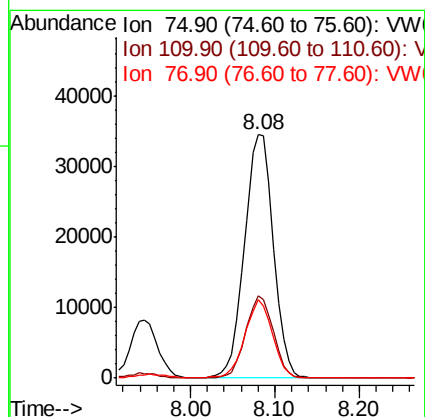
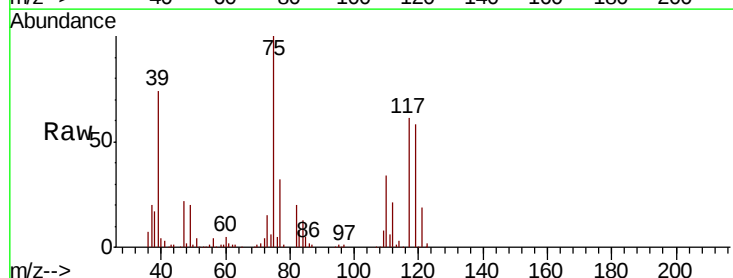
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBSD01

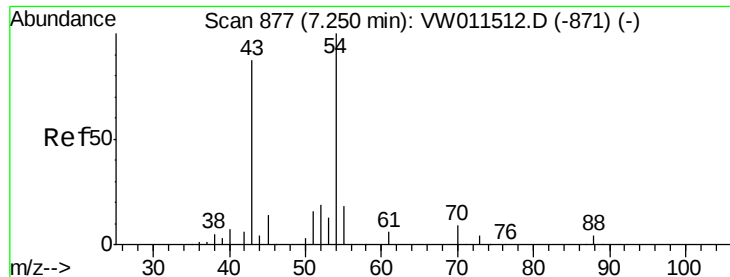
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.7	124.1
192	20.2	16.1	24.1



#36
 1,1-Dichloropropene
 Concen: 22.078 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW011819.D
 Acq: 09 Aug 2019 19:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.1	15.6	46.8
77	30.8	24.3	36.5





#37

Ethyl Acetate

Concen: 20.720 ug/l

RT: 7.26 min Scan# 878

Delta R.T. 0.01 min

Lab File: VW011819.D

Acq: 09 Aug 2019 19:08

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBSD01

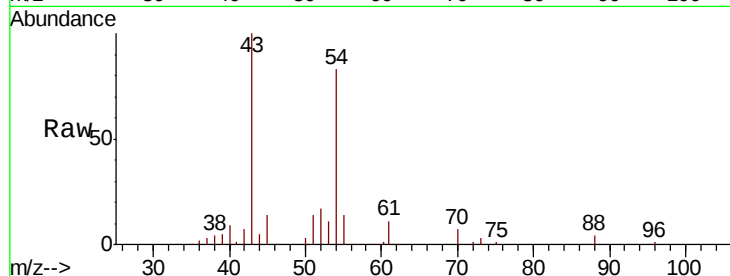
Tgt Ion: 43 Resp: 43376

Ion Ratio Lower Upper

43 100

61 11.2 8.8 13.2

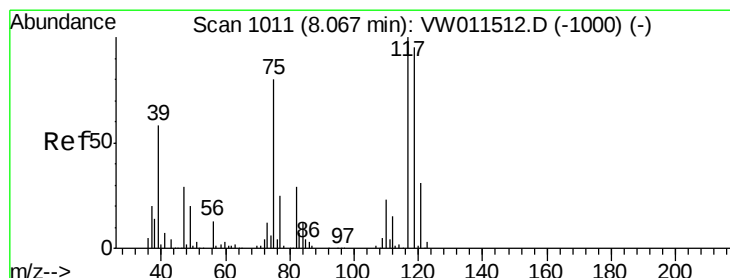
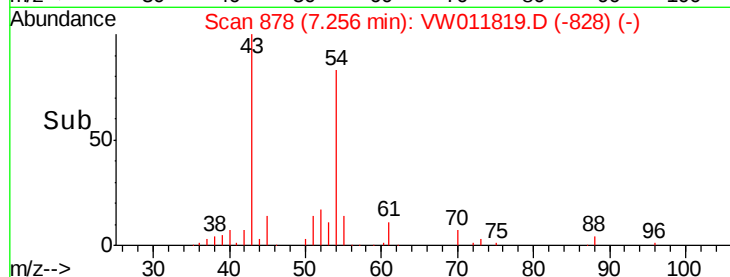
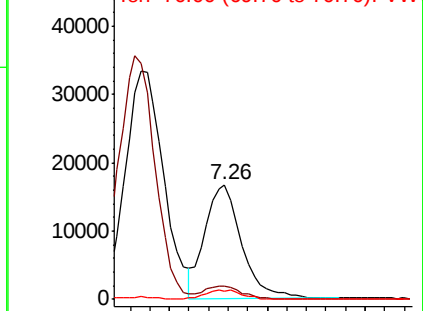
70 8.7 7.1 10.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 22.331 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW011819.D

Acq: 09 Aug 2019 19:08

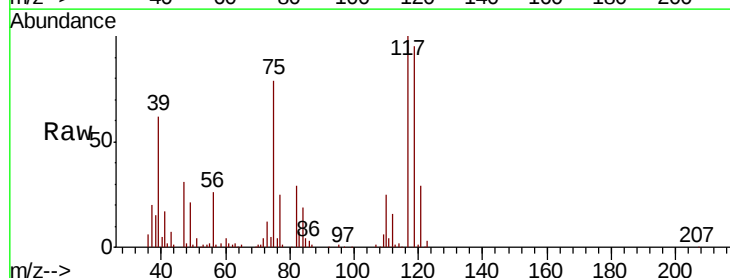
Tgt Ion: 117 Resp: 69563

Ion Ratio Lower Upper

117 100

119 95.3 75.8 113.6

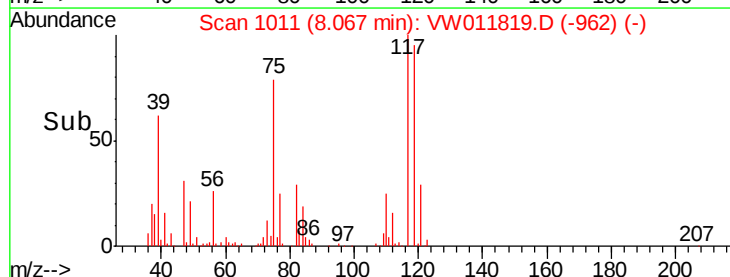
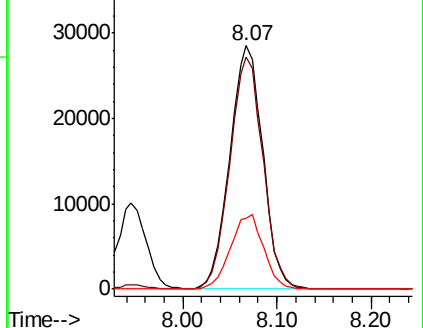
121 28.9 24.7 37.1

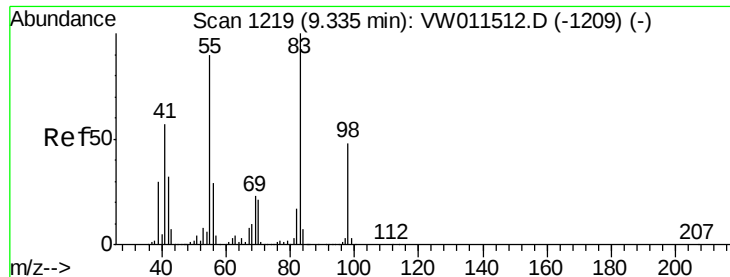


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

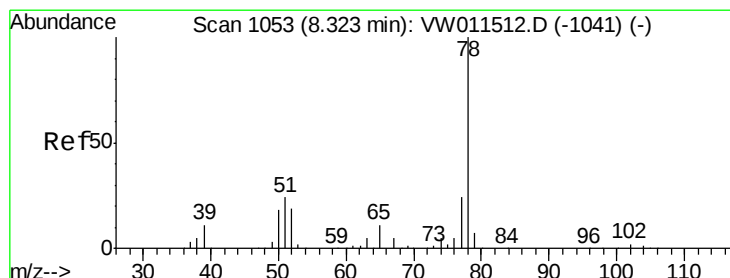
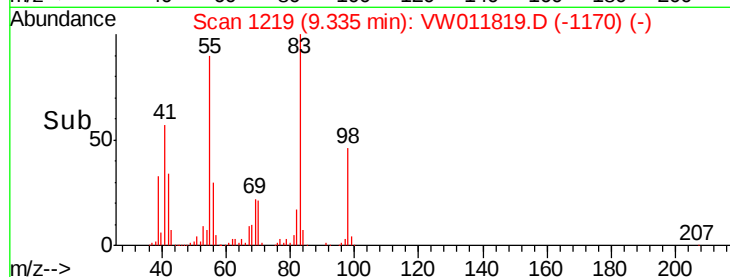
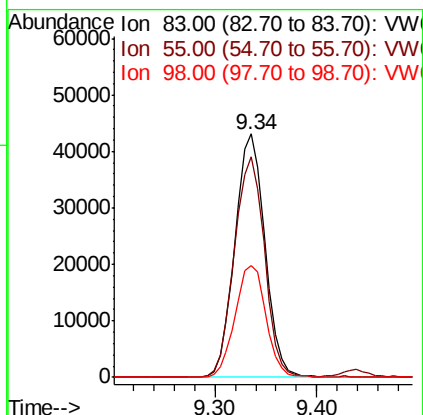
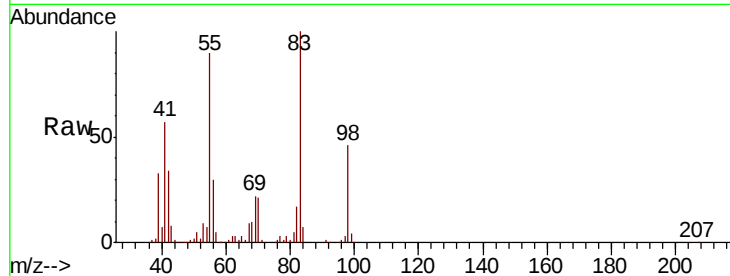




#39
Methylcyclohexane
Concen: 21.923 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW011819.D
Acq: 09 Aug 2019 19:08

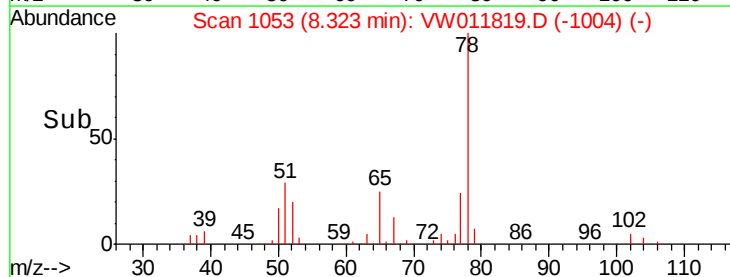
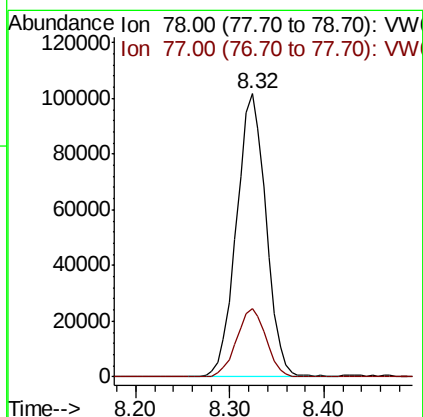
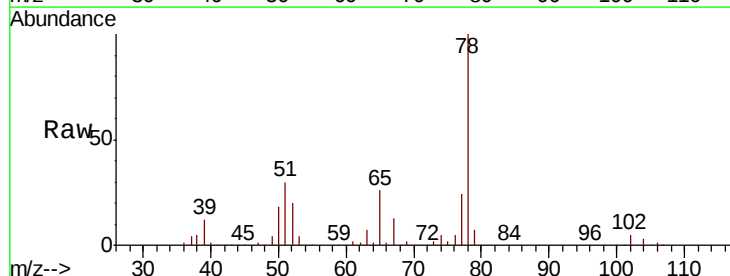
Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD01

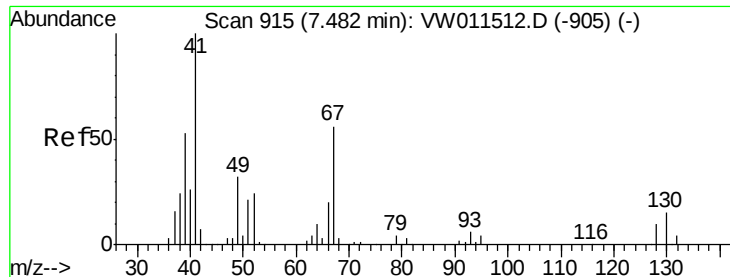
Tgt Ion: 83 Resp: 87838
Ion Ratio Lower Upper
83 100
55 90.4 72.1 108.1
98 46.0 38.6 57.8



#40
Benzene
Concen: 21.895 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW011819.D
Acq: 09 Aug 2019 19:08

Tgt Ion: 78 Resp: 223157
Ion Ratio Lower Upper
78 100
77 24.3 19.4 29.0





#41

Methacrylonitrile

Concen: 19.501 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW011819.D

Acq: 09 Aug 2019 19:08

Instrument :

MSVOA_W

ClientSampleID :

VW0812SBSD01

Tgt Ion: 41 Resp: 24404

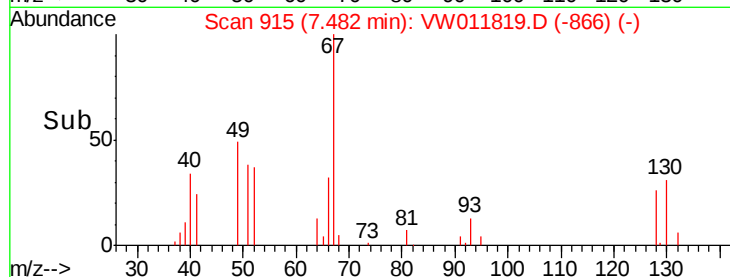
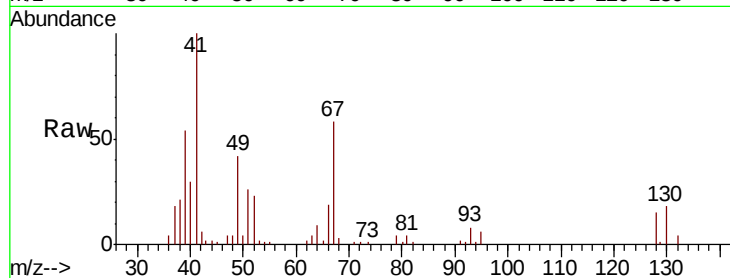
Ion Ratio Lower Upper

41 100

39 58.3 43.0 64.4

67 61.4 47.5 71.3

52 28.4 21.0 31.6

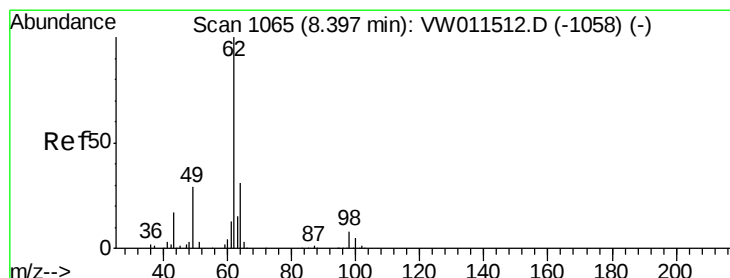
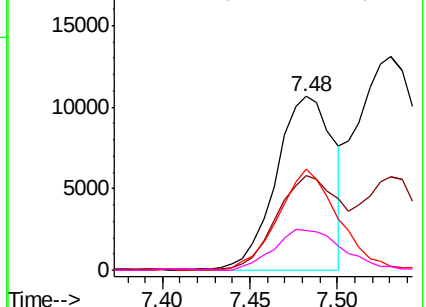


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 22.434 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW011819.D

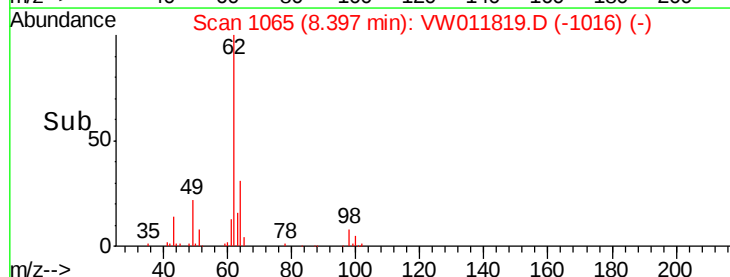
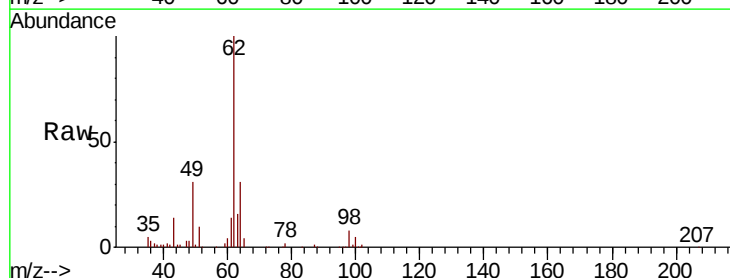
Acq: 09 Aug 2019 19:08

Tgt Ion: 62 Resp: 71588

Ion Ratio Lower Upper

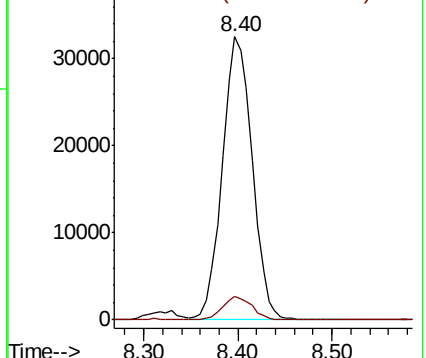
62 100

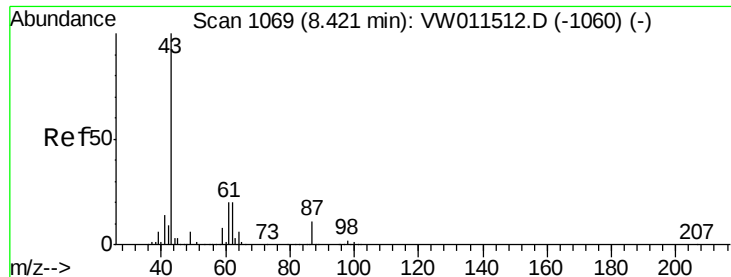
98 8.1 0.0 16.8



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 20.468 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW011819.D

Acq: 09 Aug 2019 19:08

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBSD01

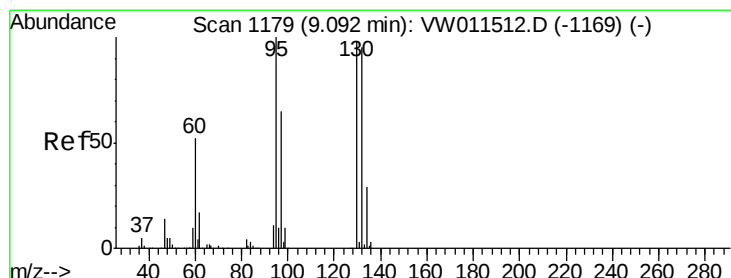
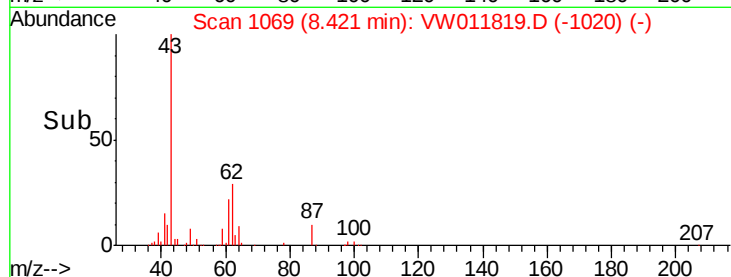
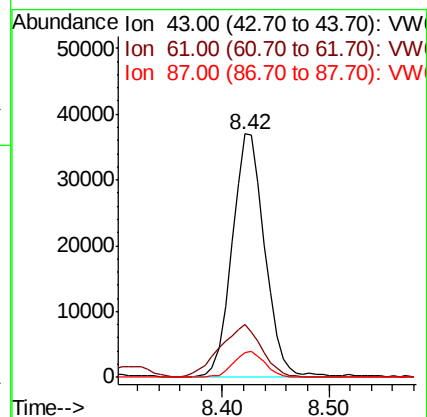
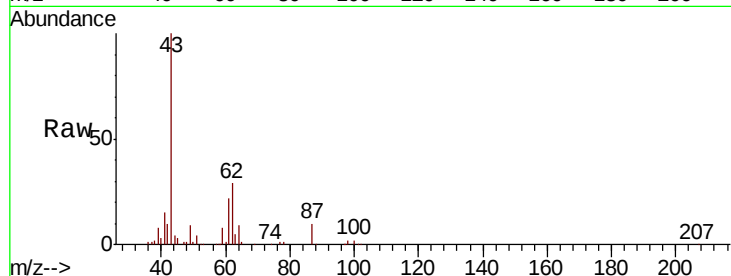
Tgt Ion: 43 Resp: 78802

Ion Ratio Lower Upper

43 100

61 28.0 21.5 32.3

87 10.4 8.4 12.6



#44

Trichloroethene

Concen: 21.674 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW011819.D

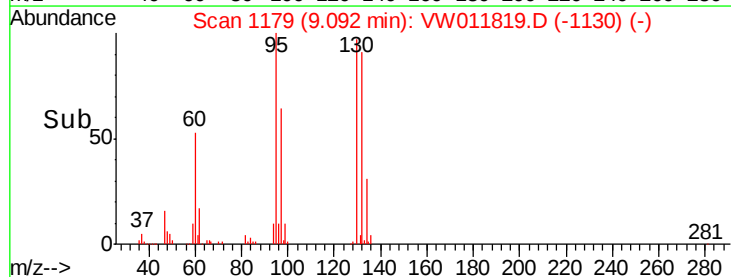
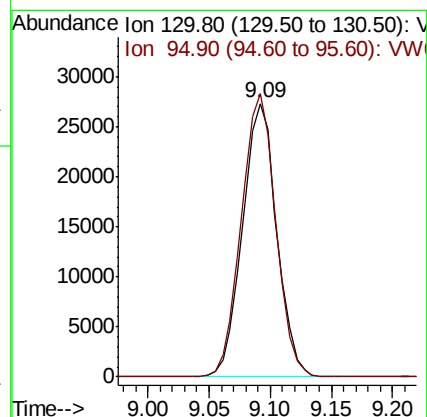
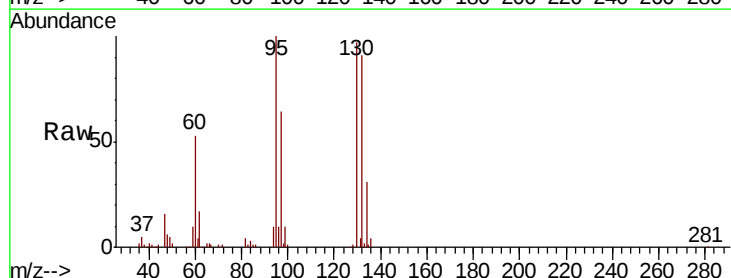
Acq: 09 Aug 2019 19:08

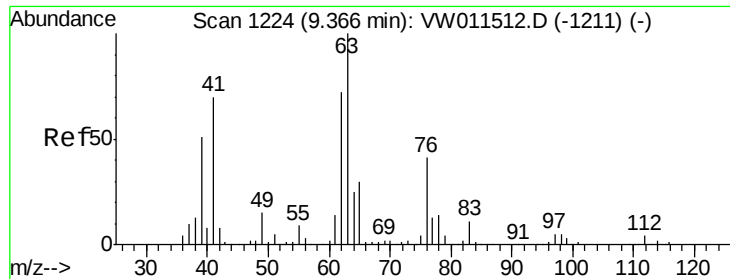
Tgt Ion: 130 Resp: 53096

Ion Ratio Lower Upper

130 100

95 103.4 0.0 204.8

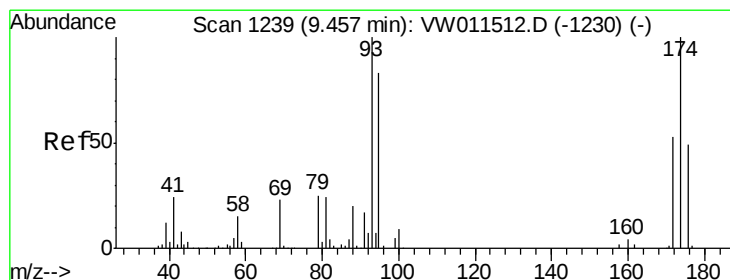
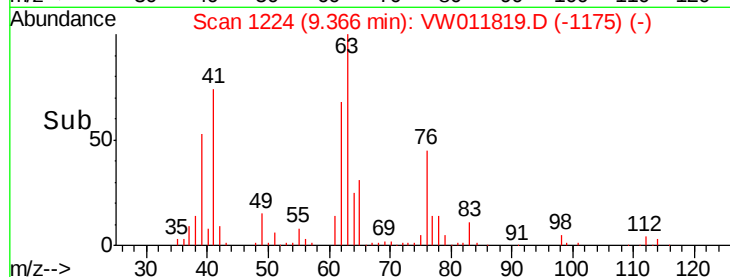
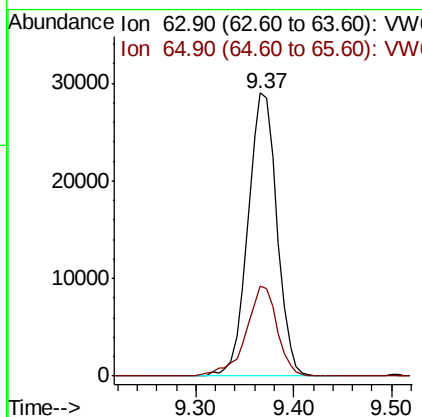
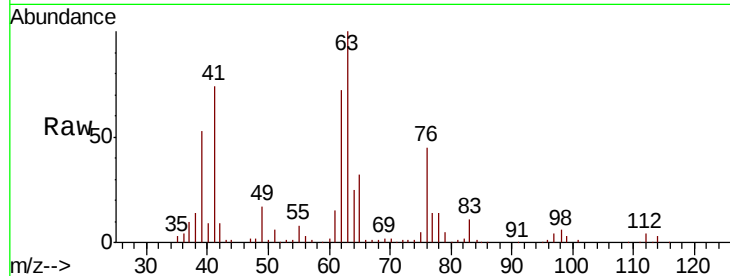




#45
 1,2-Dichloropropane
 Concen: 21.791 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011819.D
 Acq: 09 Aug 2019 19:08

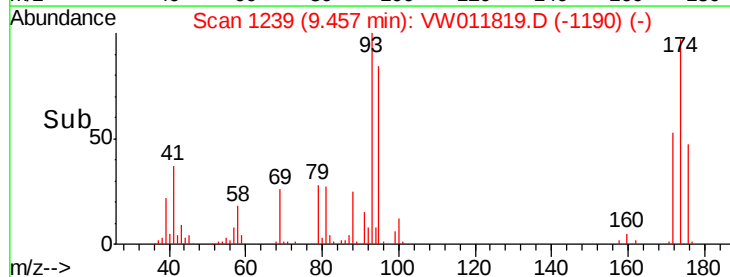
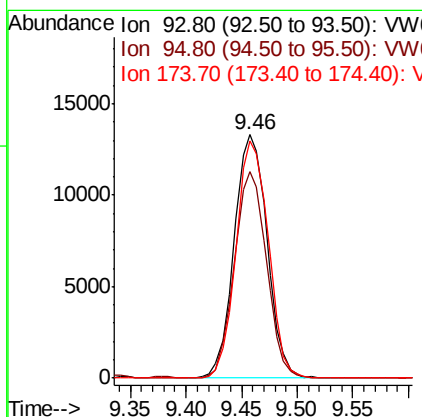
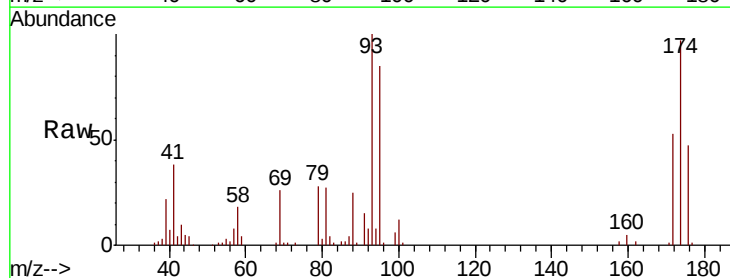
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBSD01

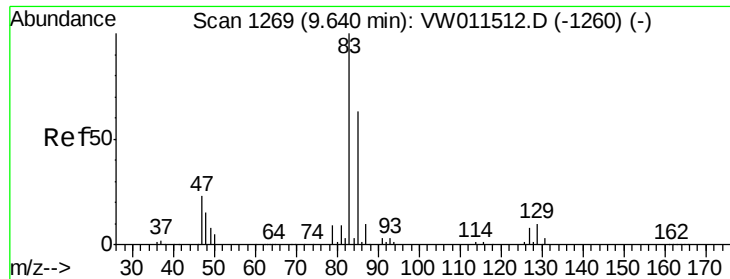
Tgt Ion: 63 Resp: 59426
 Ion Ratio Lower Upper
 63 100
 65 31.9 24.2 36.4



#46
 Dibromomethane
 Concen: 21.866 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW011819.D
 Acq: 09 Aug 2019 19:08

Tgt Ion: 93 Resp: 27217
 Ion Ratio Lower Upper
 93 100
 95 83.2 66.2 99.2
 174 95.5 78.2 117.4

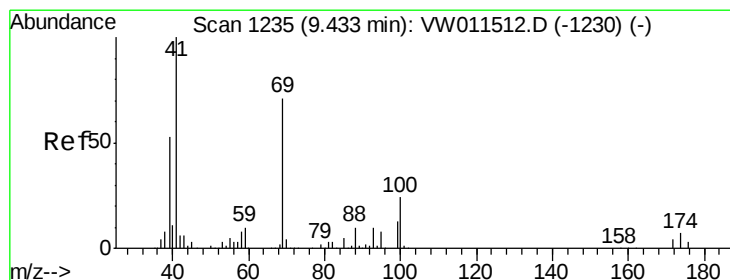
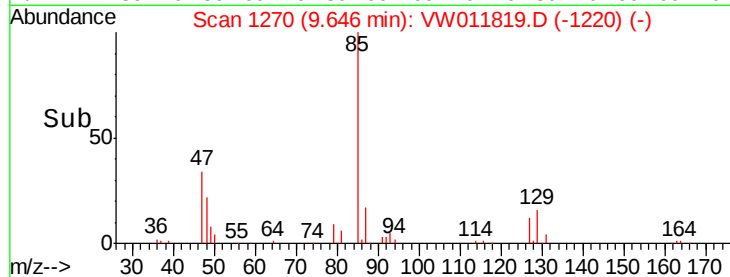
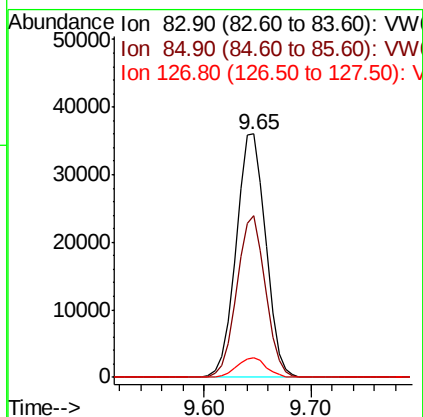
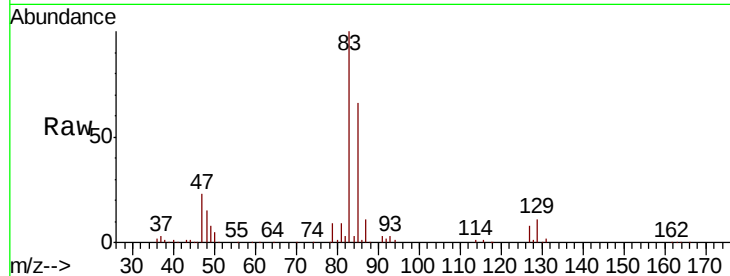




#47
 Bromodichloromethane
 Concen: 21.642 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VW011819.D
 Acq: 09 Aug 2019 19:08

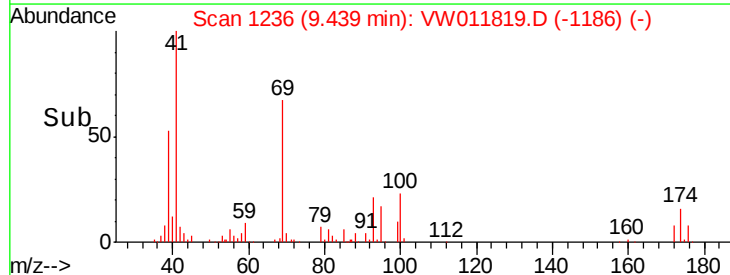
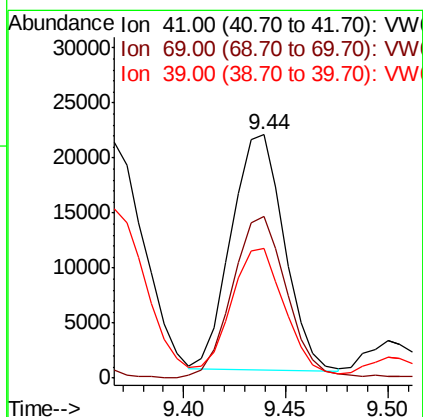
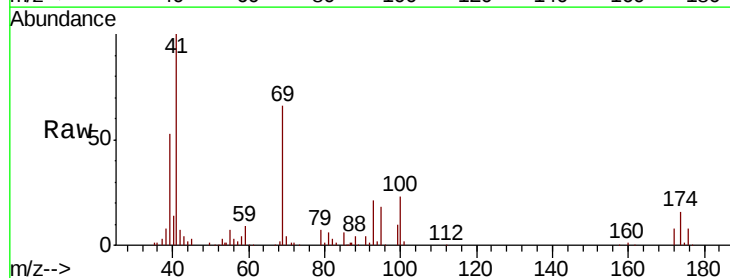
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBSD01

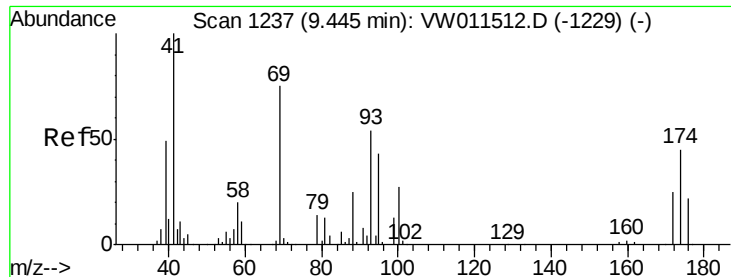
Tgt Ion: 83 Resp: 70661
 Ion Ratio Lower Upper
 83 100
 85 66.2 50.5 75.7
 127 8.0 6.4 9.6



#48
 Methyl methacrylate
 Concen: 20.931 ug/l
 RT: 9.44 min Scan# 1236
 Delta R.T. 0.01 min
 Lab File: VW011819.D
 Acq: 09 Aug 2019 19:08

Tgt Ion: 41 Resp: 38710
 Ion Ratio Lower Upper
 41 100
 69 71.7 57.1 85.7
 39 56.5 45.4 68.2





#49

1,4-Dioxane

Concen: 407.209 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW011819.D

Acq: 09 Aug 2019 19:08

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBSD01

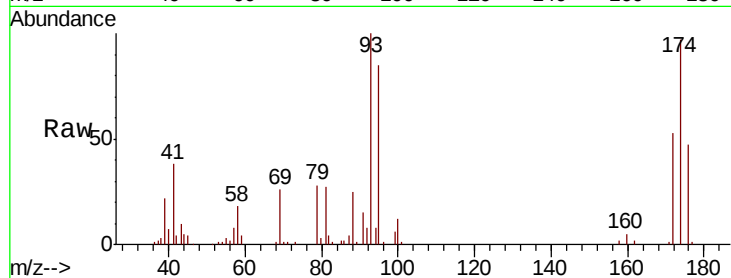
Tgt Ion: 88 Resp: 7339

Ion Ratio Lower Upper

88 100

43 0.0 34.0 51.0#

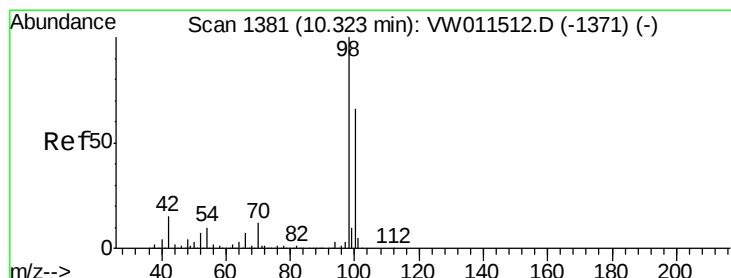
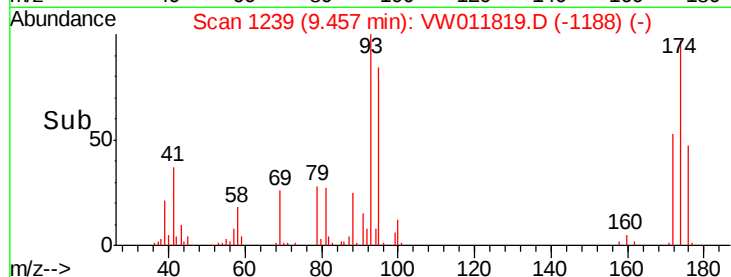
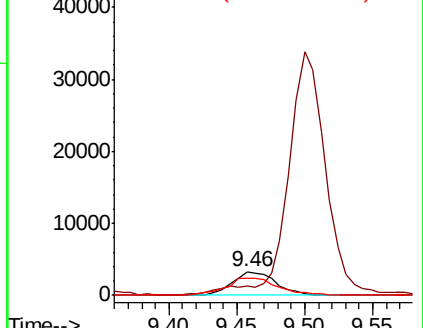
58 89.2 69.7 104.5



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: 51.794 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011819.D

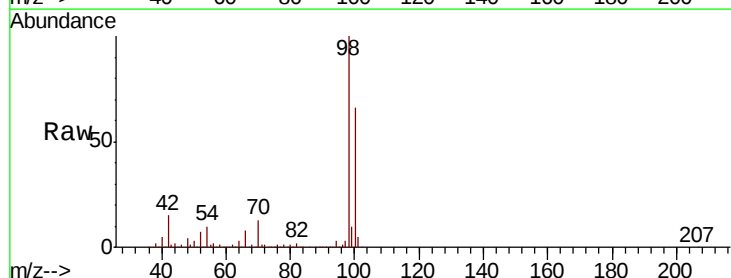
Acq: 09 Aug 2019 19:08

Tgt Ion: 98 Resp: 416327

Ion Ratio Lower Upper

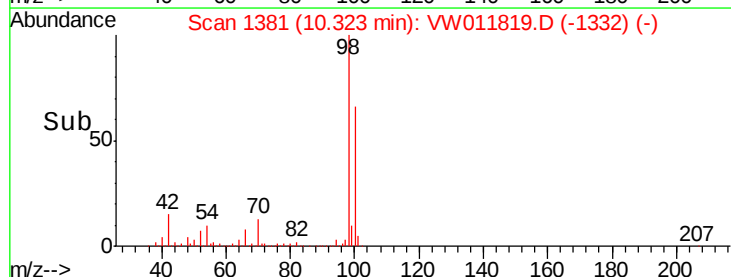
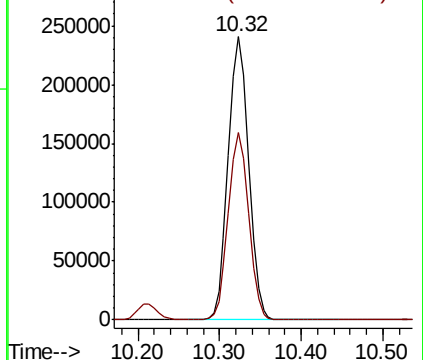
98 100

100 66.0 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

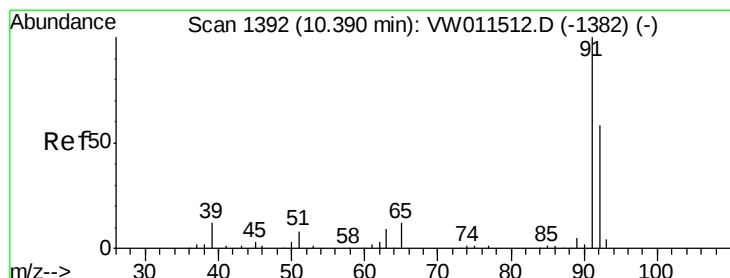
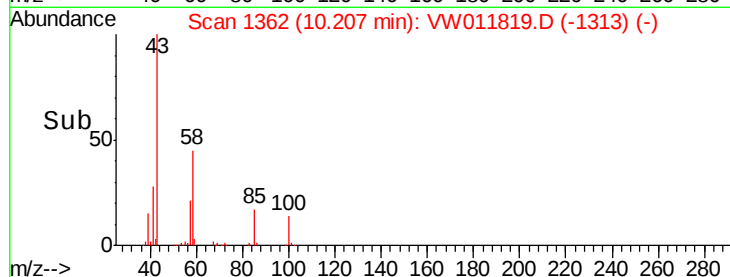
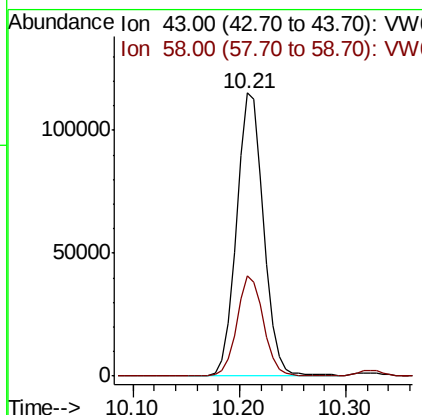
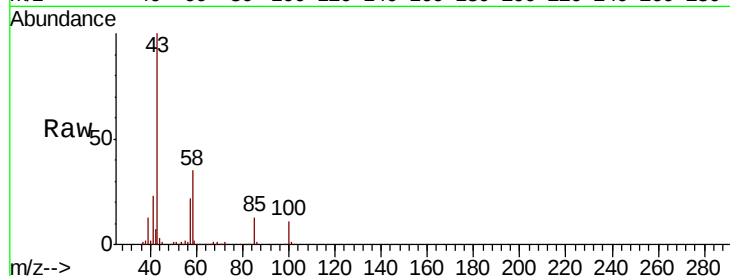




#51
 4-Methyl-2-Pentanone
 Concen: 102.415 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW011819.D
 Acq: 09 Aug 2019 19:08

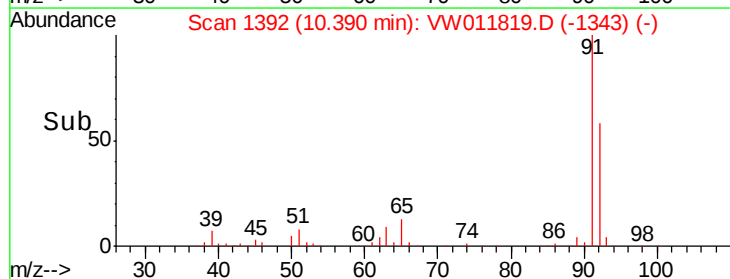
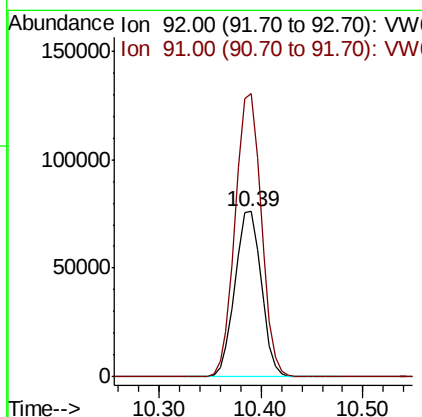
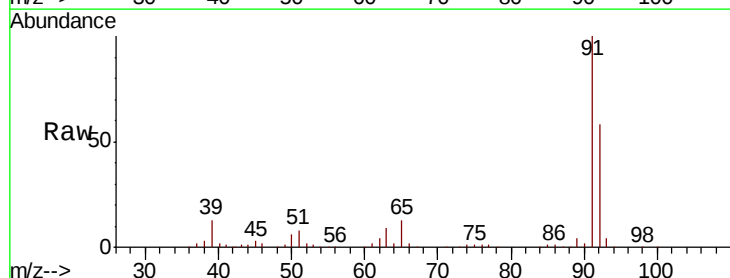
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBSD01

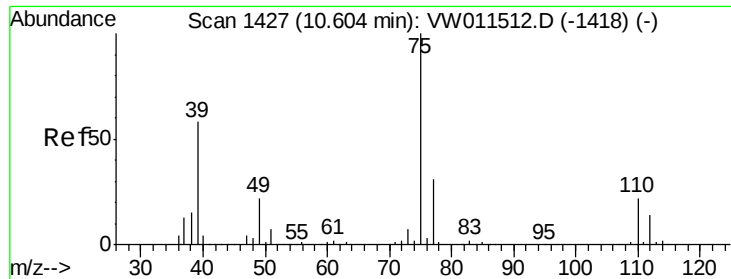
Tgt Ion: 43 Resp: 205097
 Ion Ratio Lower Upper
 43 100
 58 34.8 28.2 42.2



#52
 Toluene
 Concen: 22.168 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW011819.D
 Acq: 09 Aug 2019 19:08

Tgt Ion: 92 Resp: 136449
 Ion Ratio Lower Upper
 92 100
 91 169.3 136.7 205.1





#53

t-1,3-Dichloropropene

Concen: 20.910 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW011819.D

Acq: 09 Aug 2019 19:08

Instrument :

MSVOA_W

ClientSampleId :

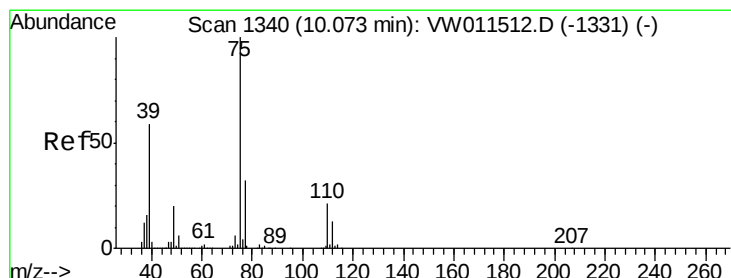
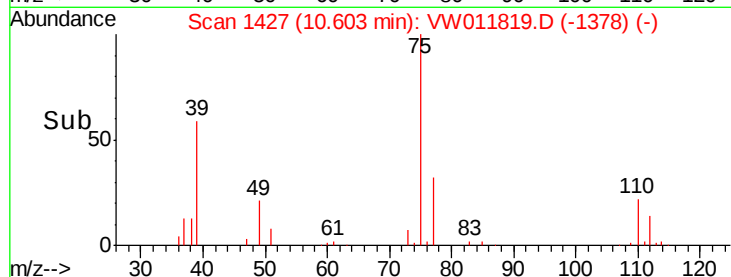
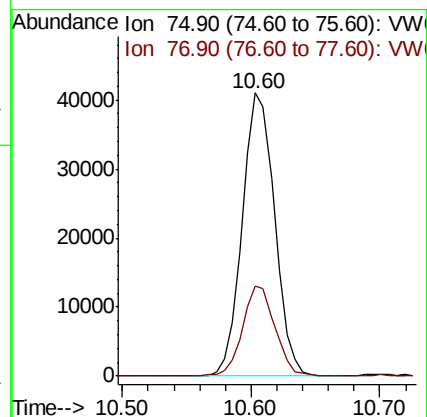
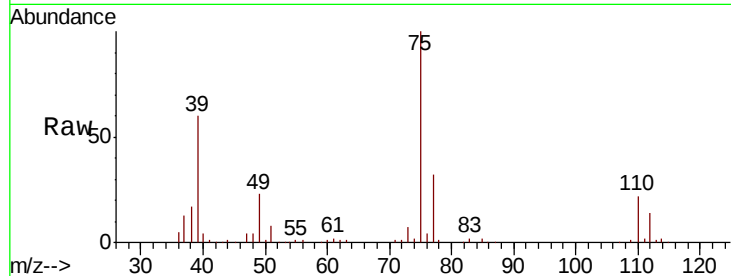
VW0812SBSD01

Tgt Ion: 75 Resp: 71319

Ion Ratio Lower Upper

75 100

77 31.8 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 21.449 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW011819.D

Acq: 09 Aug 2019 19:08

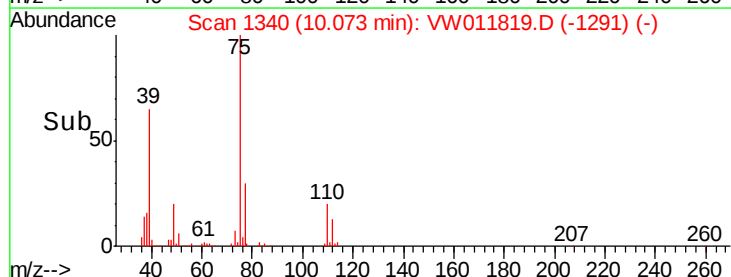
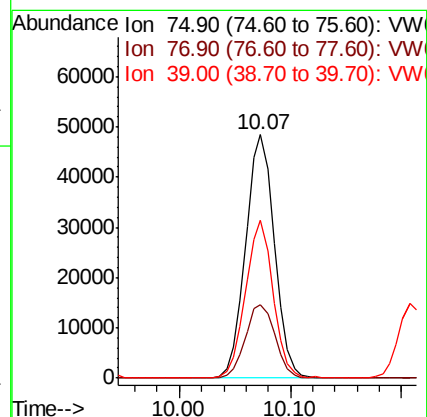
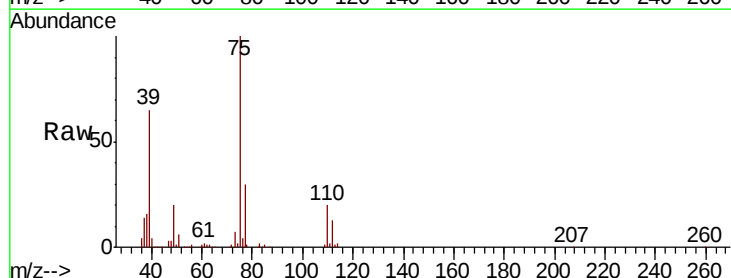
Tgt Ion: 75 Resp: 86983

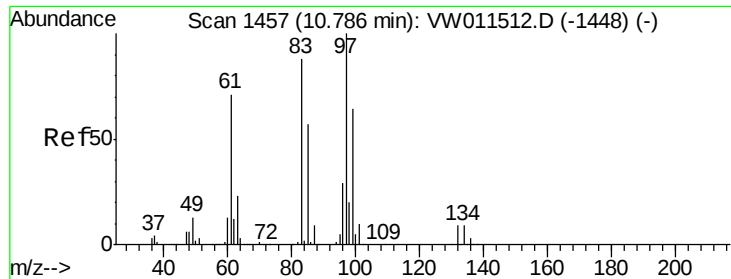
Ion Ratio Lower Upper

75 100

77 30.0 25.6 38.4

39 64.7 47.0 70.4

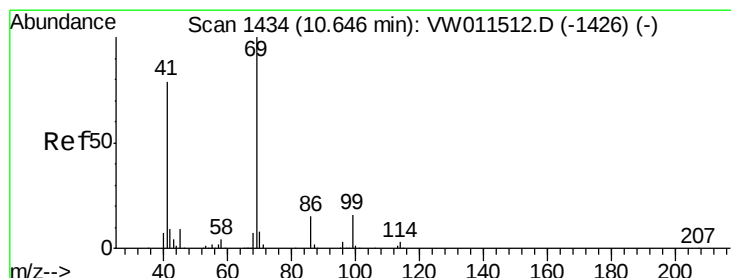
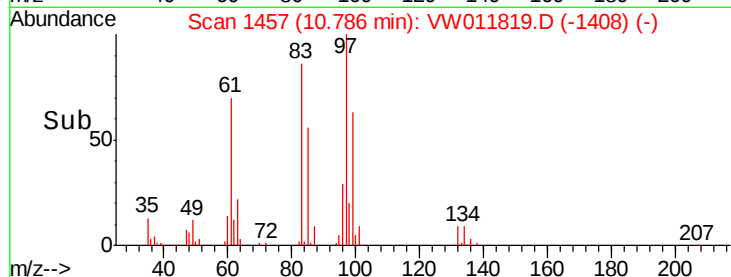
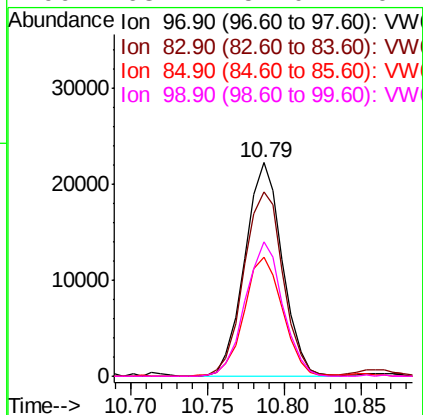
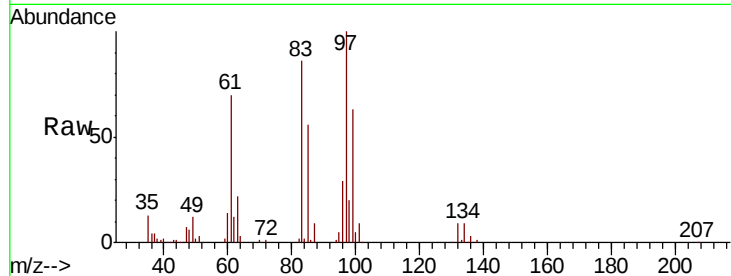




#55
 1,1,2-Trichloroethane
 Concen: 21.548 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW011819.D
 Acq: 09 Aug 2019 19:08

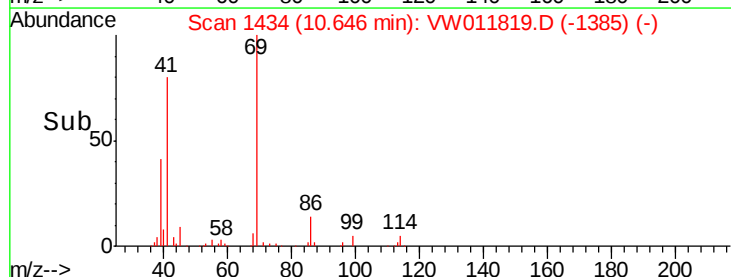
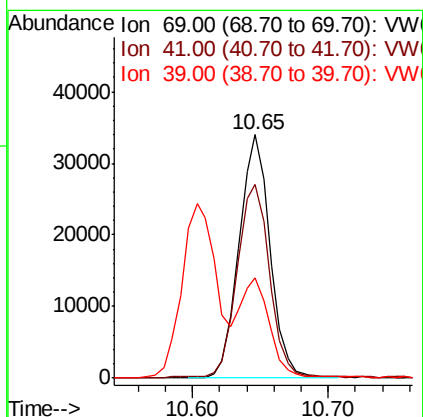
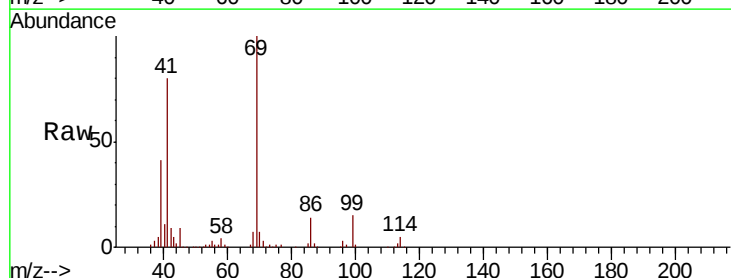
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBSD01

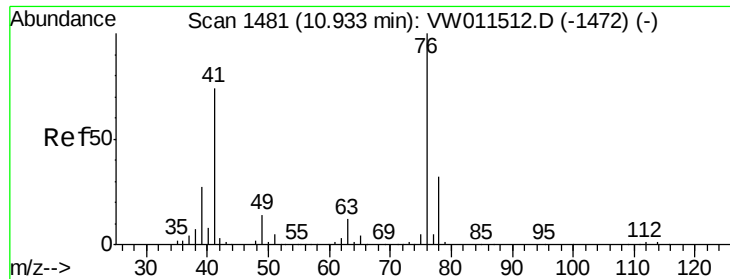
Tgt Ion:	97	Resp:	38055
Ion	Ratio	Lower	Upper
97	100		
83	86.2	70.5	105.7
85	55.5	45.8	68.6
99	63.1	51.0	76.4



#56
 Ethyl methacrylate
 Concen: 20.920 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW011819.D
 Acq: 09 Aug 2019 19:08

Tgt Ion:	69	Resp:	54063
Ion	Ratio	Lower	Upper
69	100		
41	83.3	66.6	99.8
39	39.4	30.3	45.5

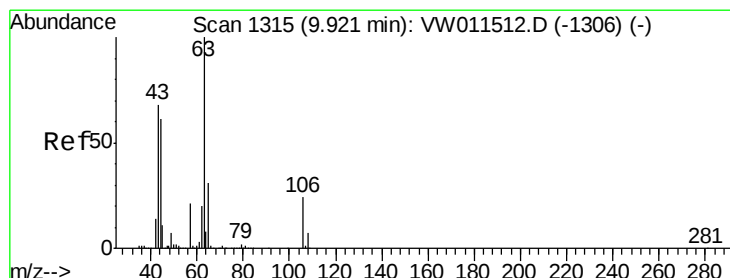
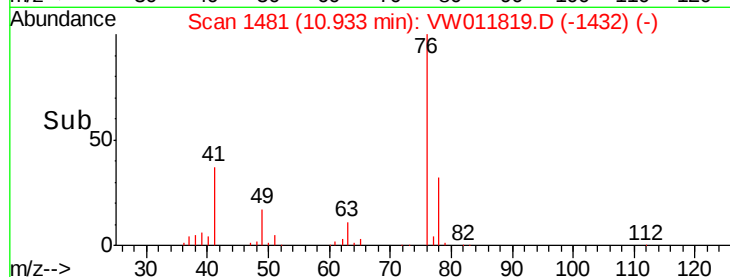
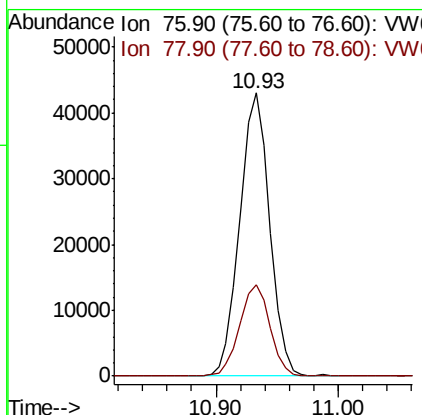
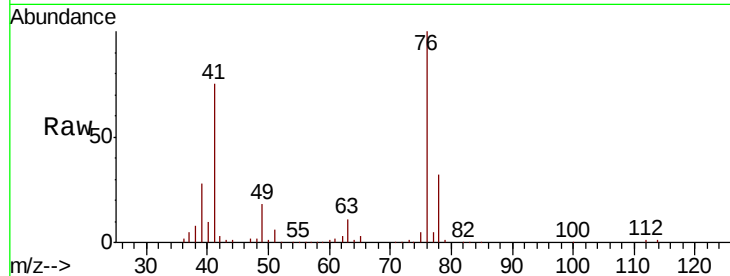




#57
 1,3-Dichloropropane
 Concen: 21.867 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW011819.D
 Acq: 09 Aug 2019 19:08

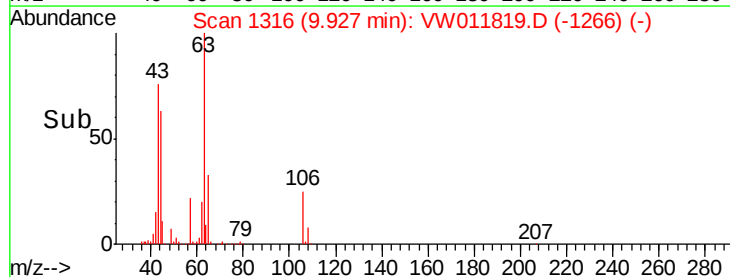
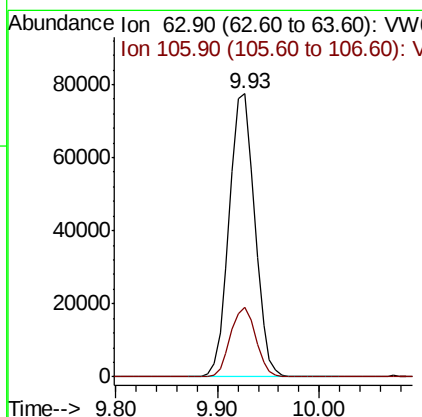
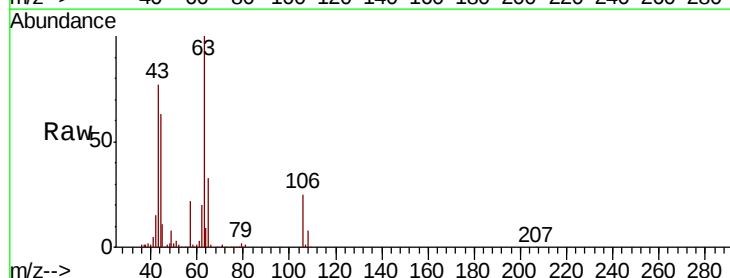
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBSD01

Tgt Ion: 76 Resp: 73064
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 114.801 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW011819.D
 Acq: 09 Aug 2019 19:08

Tgt Ion: 63 Resp: 134706
 Ion Ratio Lower Upper
 63 100
 106 24.5 19.7 29.5

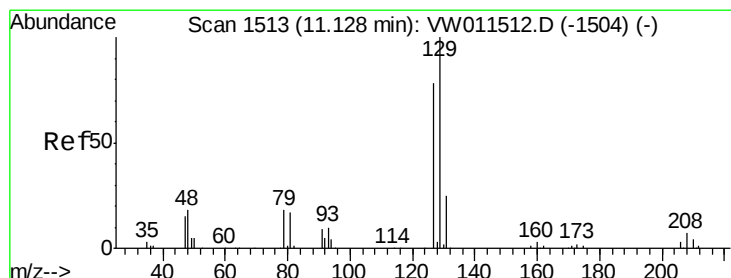
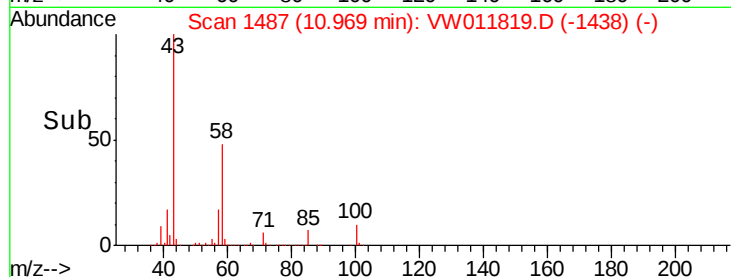
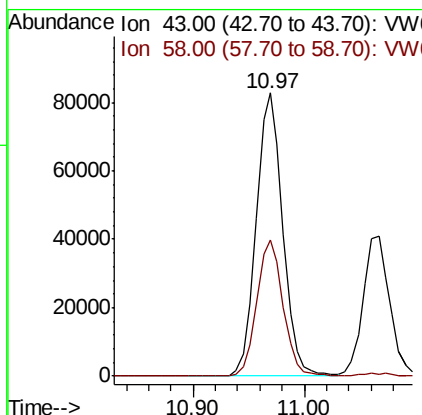
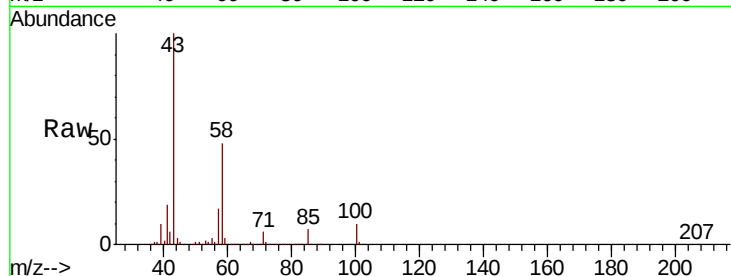




#59
2-Hexanone
Concen: 97.260 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011819.D
Acq: 09 Aug 2019 19:08

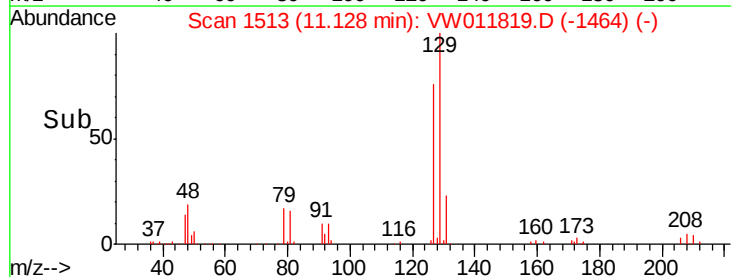
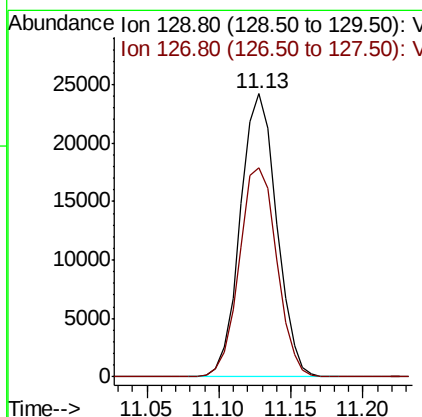
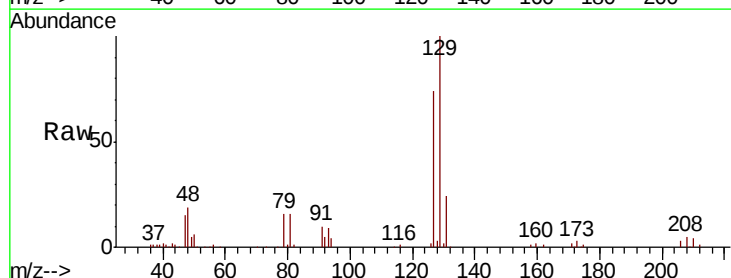
Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD01

Tgt Ion: 43 Resp: 137523
Ion Ratio Lower Upper
43 100
58 47.8 24.3 72.9



#60
Dibromochloromethane
Concen: 21.633 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011819.D
Acq: 09 Aug 2019 19:08

Tgt Ion: 129 Resp: 42409
Ion Ratio Lower Upper
129 100
127 76.3 38.9 116.7

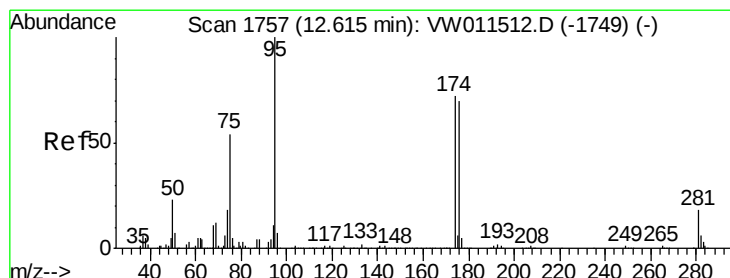
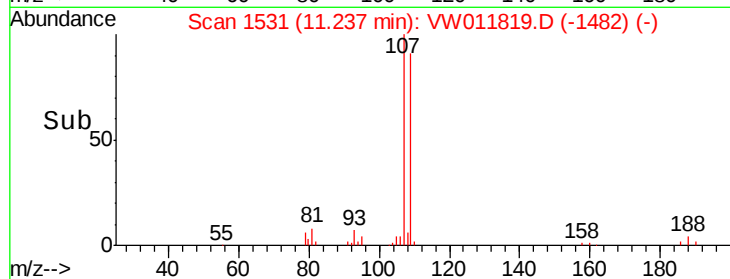
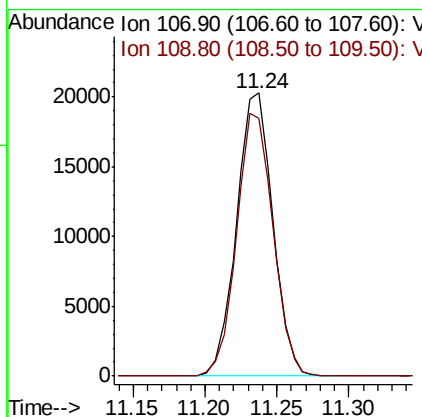
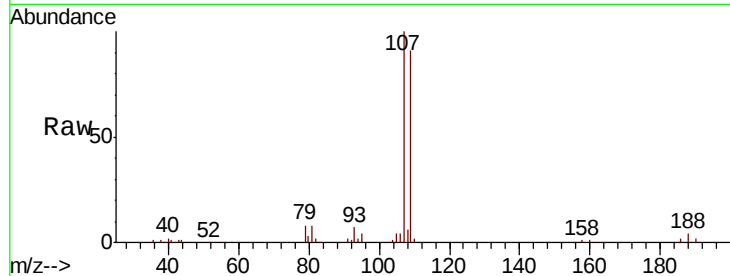




#61
 1,2-Dibromoethane
 Concen: 21.246 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW011819.D
 Acq: 09 Aug 2019 19:08

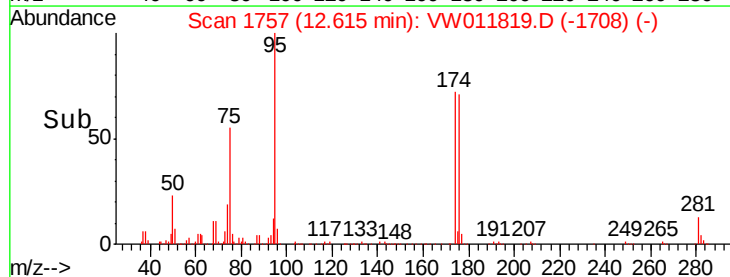
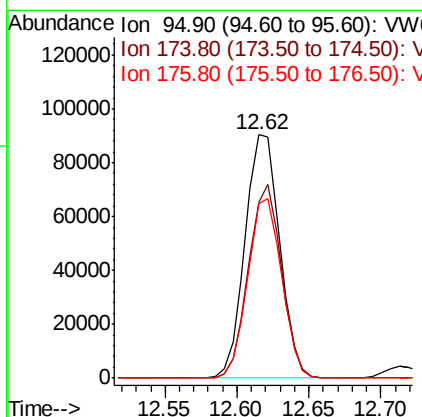
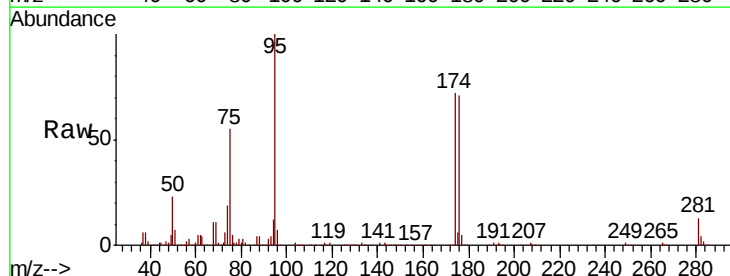
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBSD01

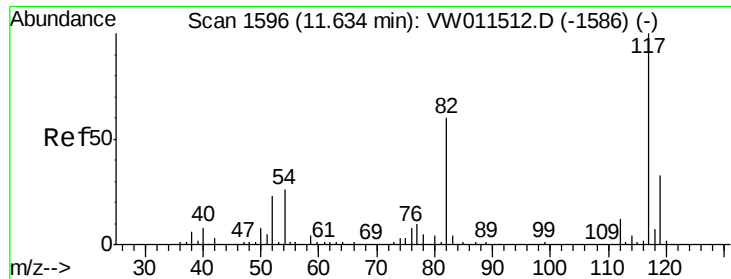
Tgt Ion: 107 Resp: 35508
 Ion Ratio Lower Upper
 107 100
 109 93.3 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 52.296 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW011819.D
 Acq: 09 Aug 2019 19:08

Tgt Ion: 95 Resp: 149866
 Ion Ratio Lower Upper
 95 100
 174 76.1 0.0 150.2
 176 72.7 0.0 144.4

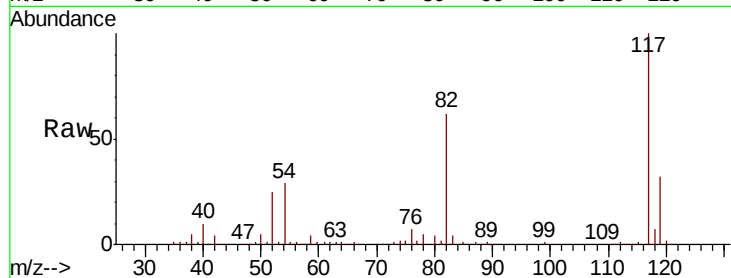




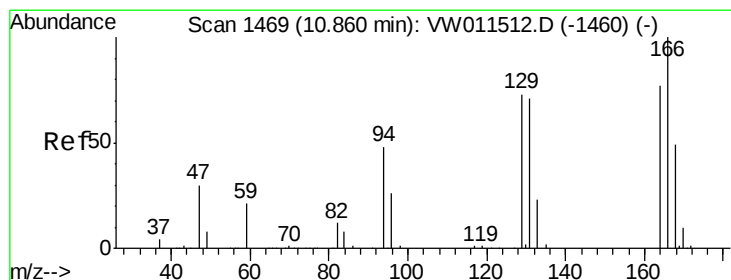
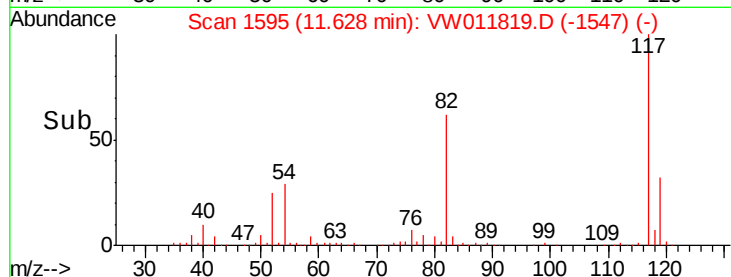
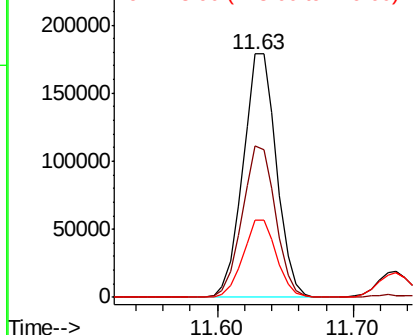
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW011819.D
Acq: 09 Aug 2019 19:08

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD01

Tgt Ion:117 Resp: 306868
Ion Ratio Lower Upper
117 100
82 62.1 47.9 71.9
119 31.8 26.2 39.2

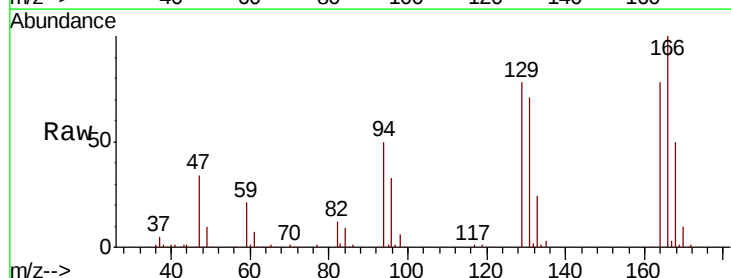


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

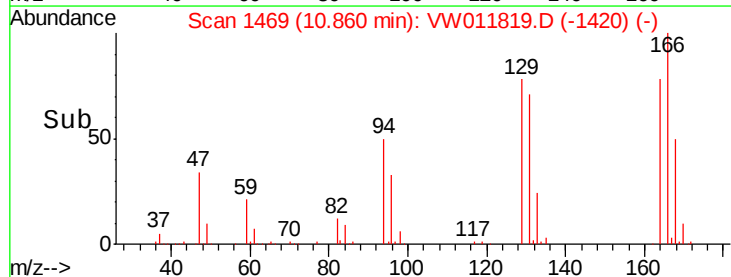
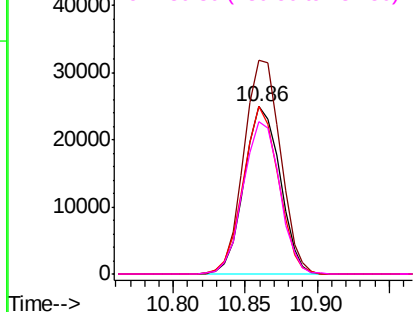


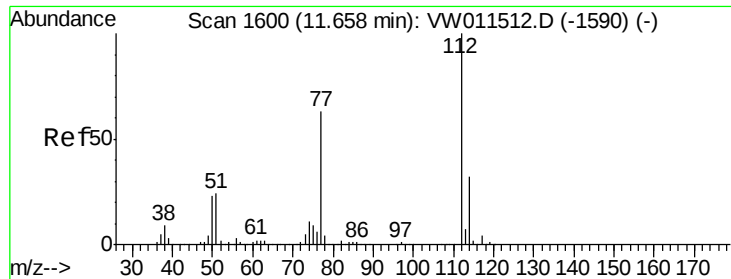
#64
Tetrachloroethene
Concen: 21.550 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011819.D
Acq: 09 Aug 2019 19:08

Tgt Ion:164 Resp: 43057
Ion Ratio Lower Upper
164 100
166 127.8 103.5 155.3
129 100.0 75.2 112.8
131 91.1 73.4 110.2



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

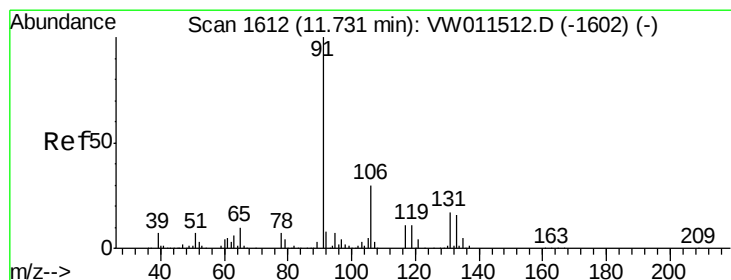
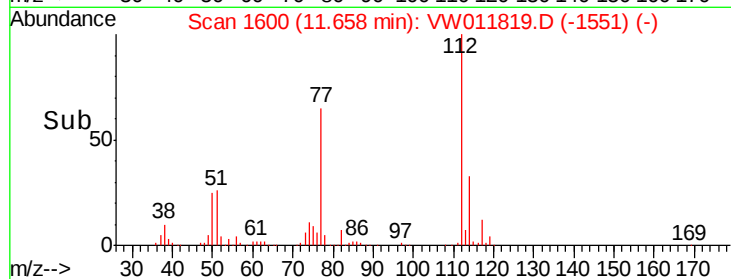
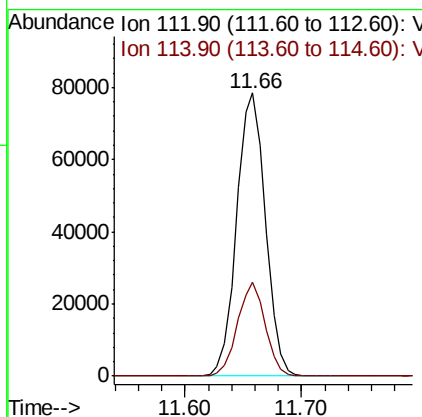
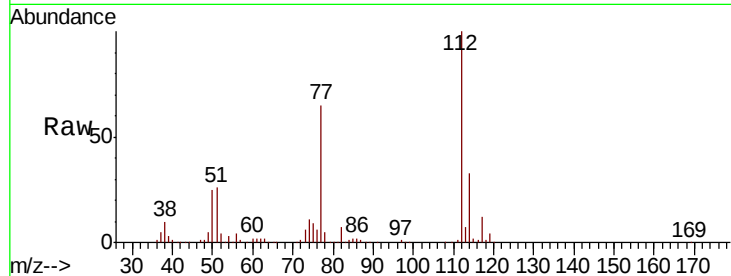




#65
Chlorobenzene
Concen: 21.900 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011819.D
Acq: 09 Aug 2019 19:08

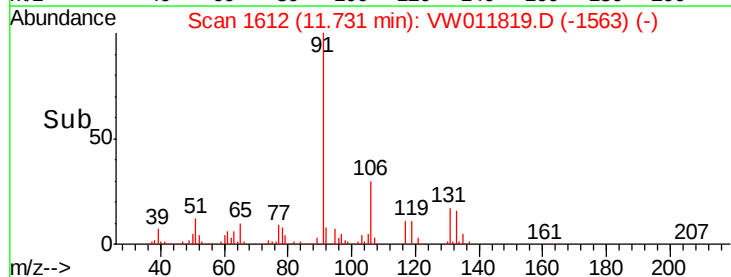
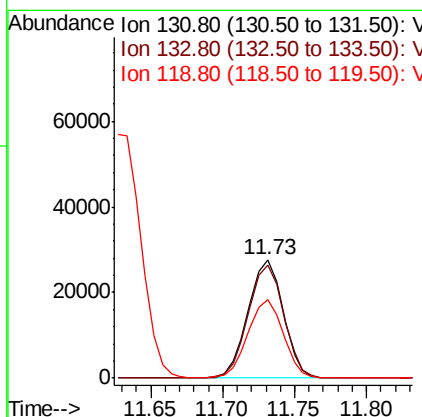
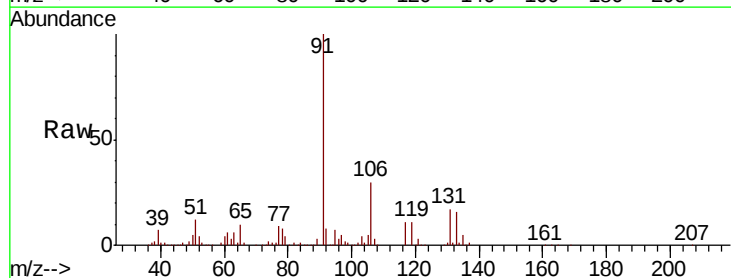
Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD01

Tgt Ion:112 Resp: 135110
Ion Ratio Lower Upper
112 100
114 33.2 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 21.790 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011819.D
Acq: 09 Aug 2019 19:08

Tgt Ion:131 Resp: 46827
Ion Ratio Lower Upper
131 100
133 96.1 47.4 142.2
119 66.5 32.3 96.9

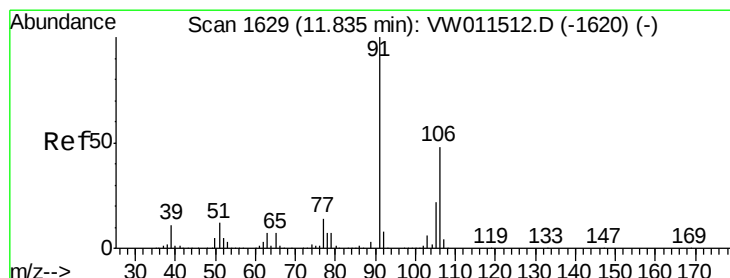
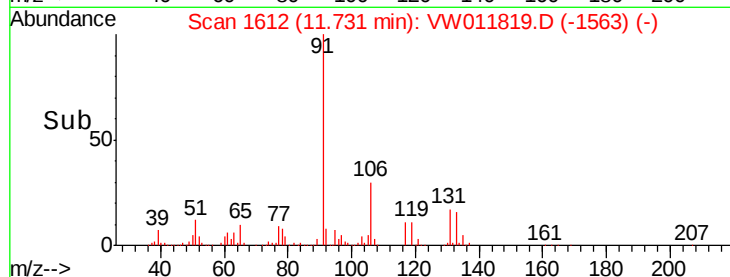
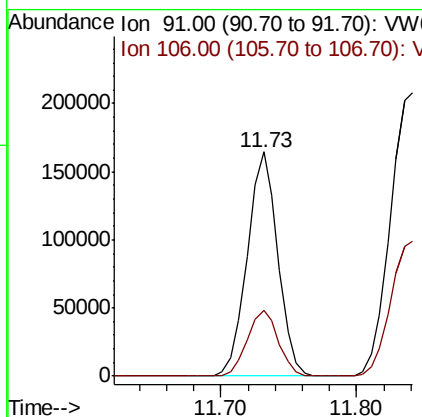
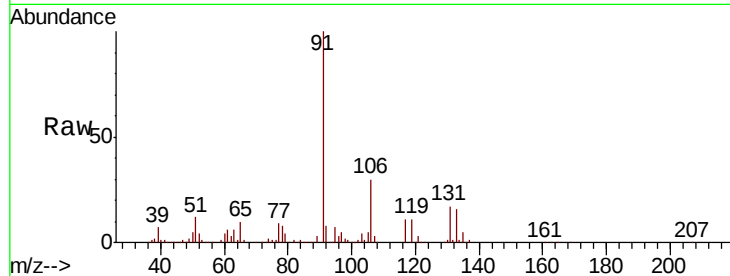




#67
Ethyl Benzene
Concen: 22.060 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011819.D
Acq: 09 Aug 2019 19:08

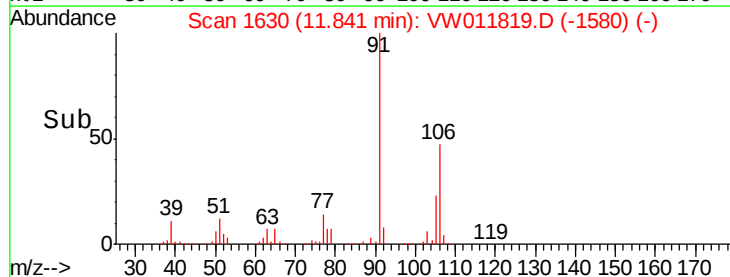
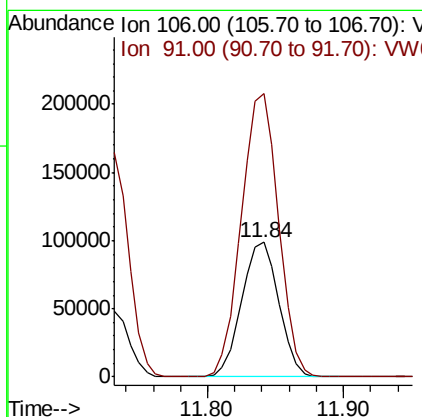
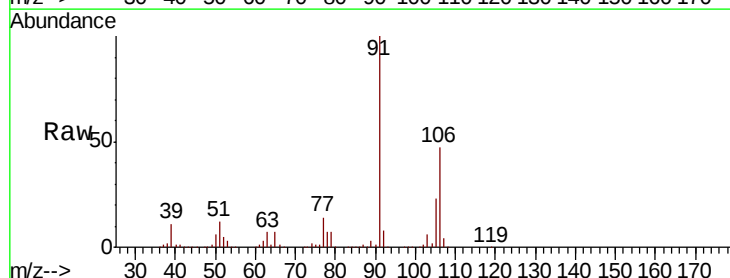
Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD01

Tgt Ion: 91 Resp: 259208
Ion Ratio Lower Upper
91 100
106 29.6 23.8 35.6



#68
m/p-Xylenes
Concen: 44.228 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW011819.D
Acq: 09 Aug 2019 19:08

Tgt Ion: 106 Resp: 188991
Ion Ratio Lower Upper
106 100
91 210.5 168.2 252.2

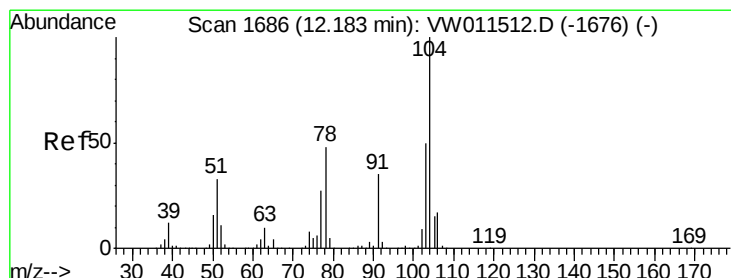
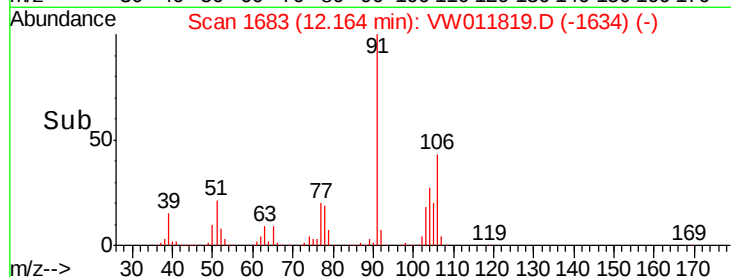
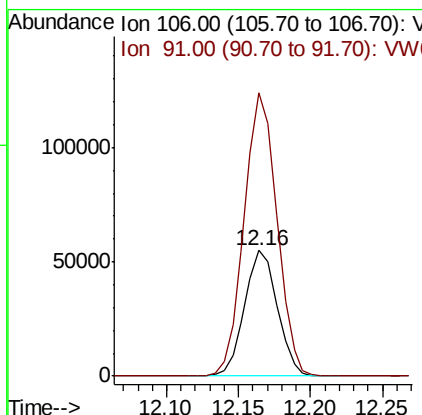
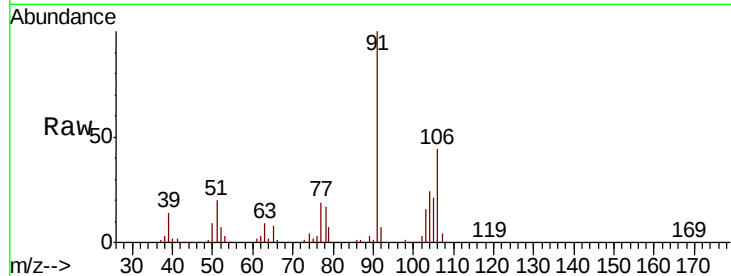




#69
o-Xylene
Concen: 21.812 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011819.D
Acq: 09 Aug 2019 19:08

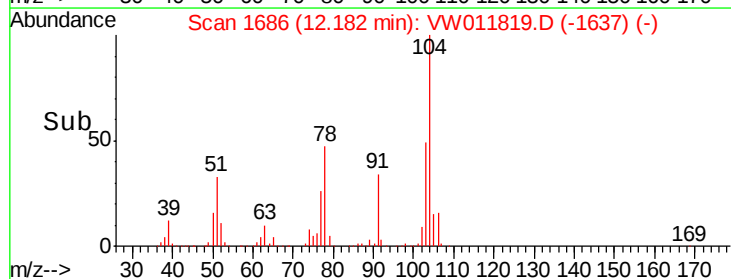
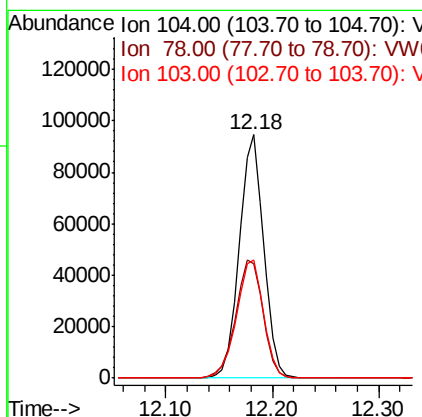
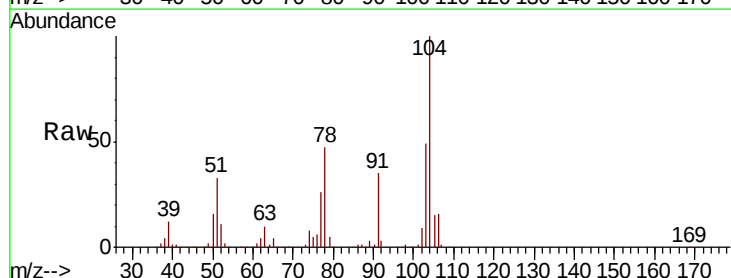
Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD01

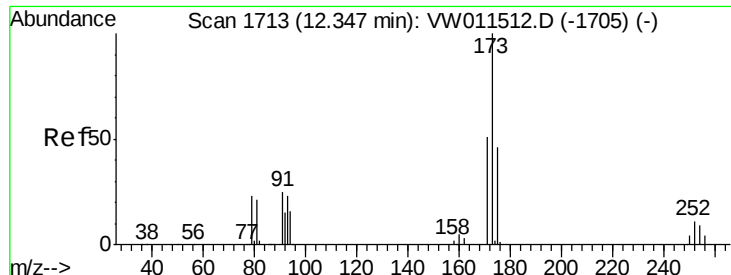
Tgt Ion:106 Resp: 86611
Ion Ratio Lower Upper
106 100
91 226.3 110.5 331.5



#70
Styrene
Concen: 22.157 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011819.D
Acq: 09 Aug 2019 19:08

Tgt Ion:104 Resp: 152122
Ion Ratio Lower Upper
104 100
78 54.5 43.4 65.0
103 53.8 43.9 65.9

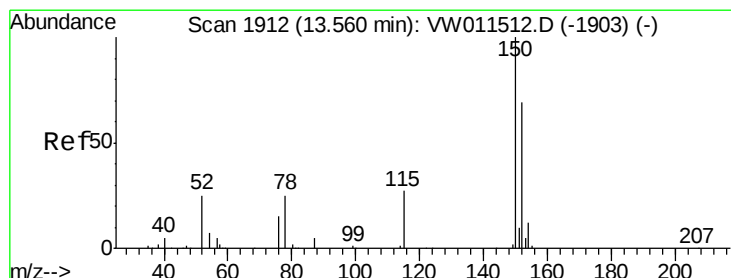
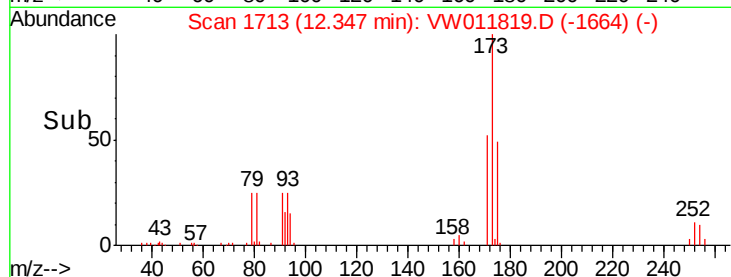
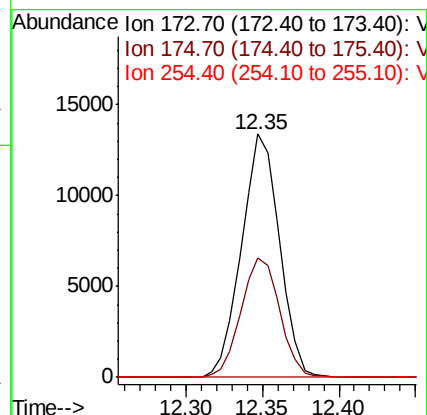
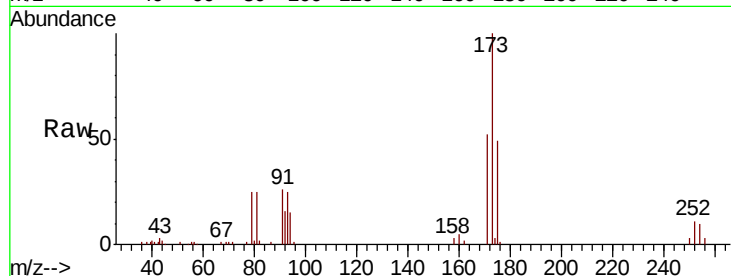




#71
Bromoform
Concen: 21.022 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW011819.D
Acq: 09 Aug 2019 19:08

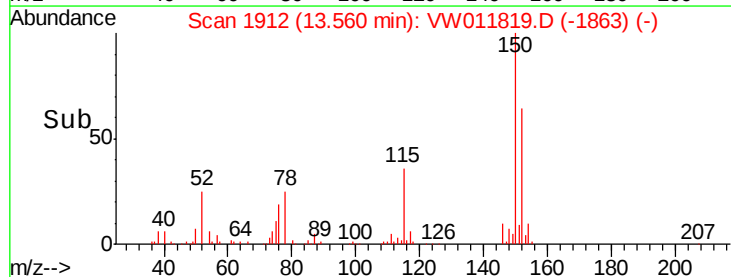
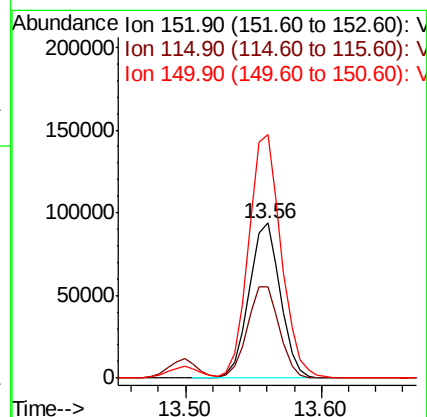
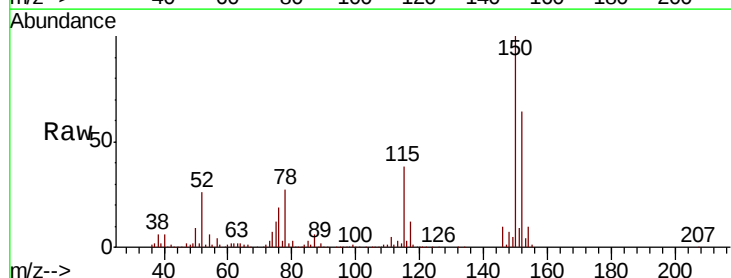
Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD01

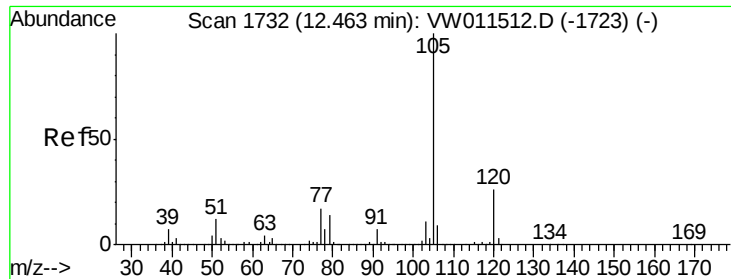
Tgt Ion:173 Resp: 23034
Ion Ratio Lower Upper
173 100
175 50.1 23.6 71.0
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011819.D
Acq: 09 Aug 2019 19:08

Tgt Ion:152 Resp: 150678
Ion Ratio Lower Upper
152 100
115 60.4 30.5 91.5
150 163.7 0.0 352.6





#73

Isopropylbenzene

Concen: 21.600 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011819.D

Acq: 09 Aug 2019 19:08

Instrument :

MSVOA_W

ClientSampleId :

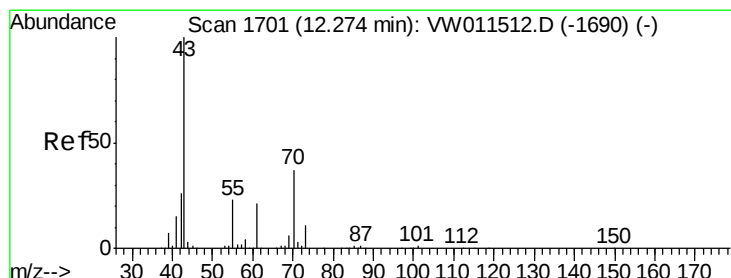
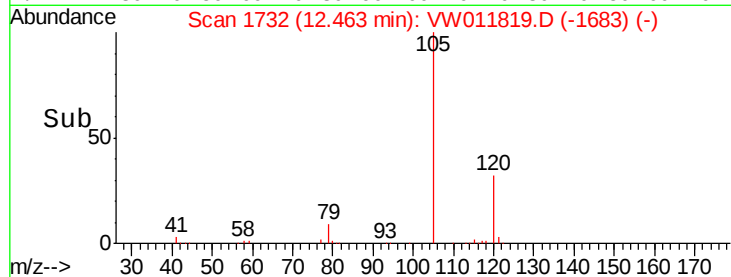
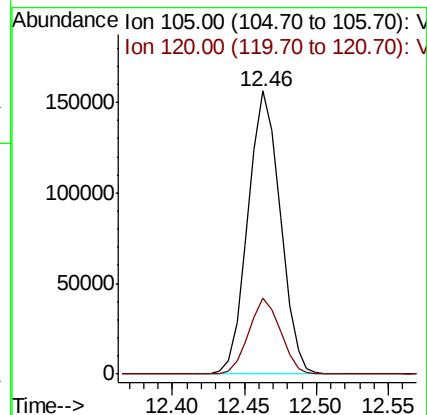
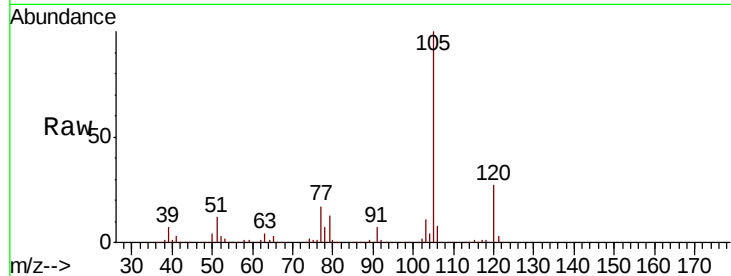
VW0812SBSD01

Tgt Ion: 105 Resp: 242805

Ion Ratio Lower Upper

105 100

120 26.1 12.9 38.7



#74

N-ethyl acetate

Concen: 20.462 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW011819.D

Acq: 09 Aug 2019 19:08

Tgt Ion: 43 Resp: 72010

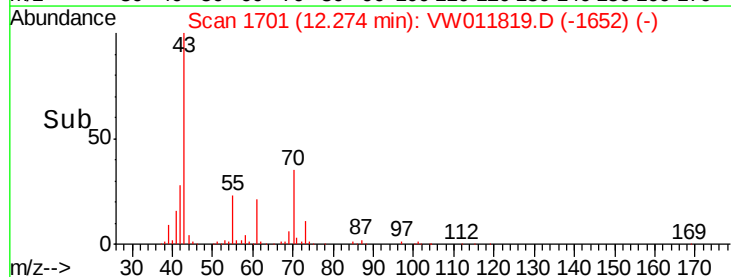
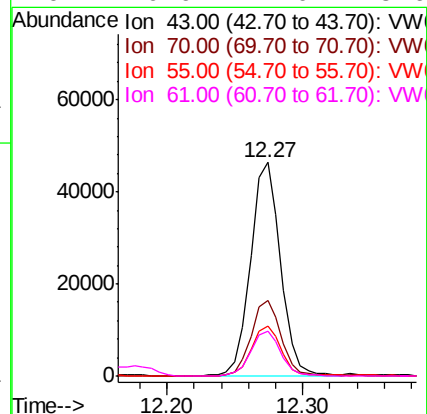
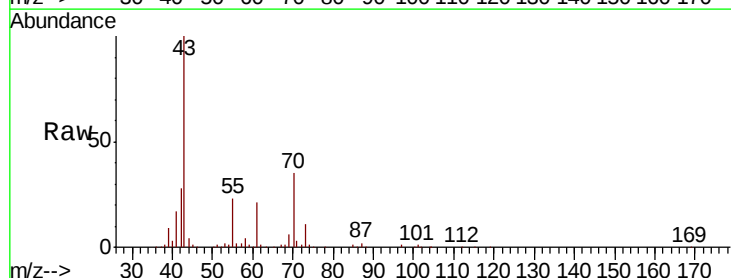
Ion Ratio Lower Upper

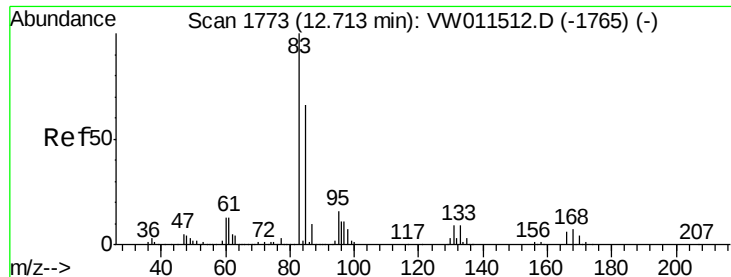
43 100

70 35.8 28.6 43.0

55 23.5 17.8 26.8

61 20.9 17.0 25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.569 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011819.D

Acq: 09 Aug 2019 19:08

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBSD01

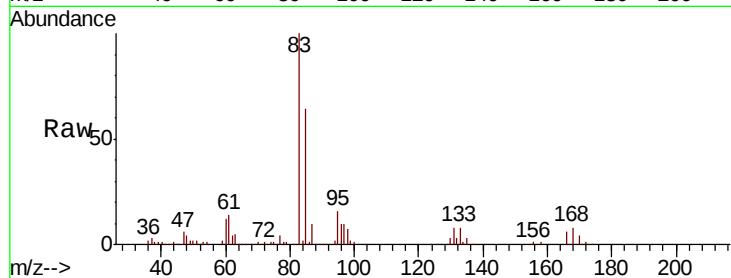
Tgt Ion: 83 Resp: 45606

Ion Ratio Lower Upper

83 100

131 9.3 4.9 14.6

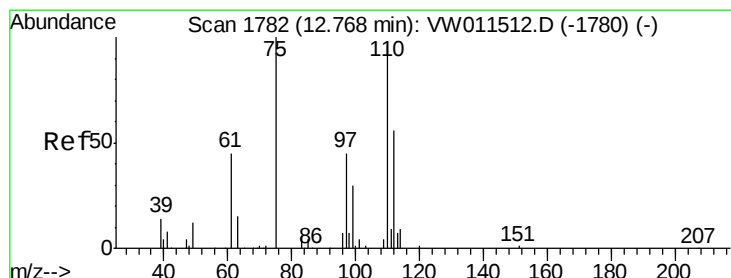
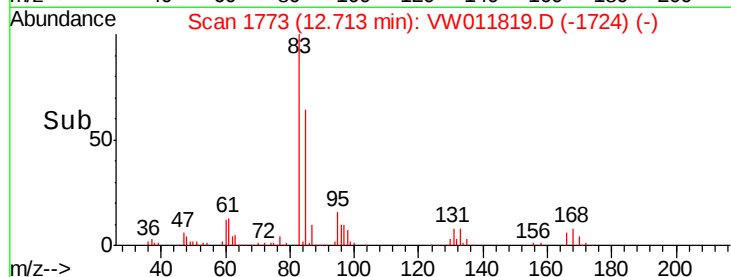
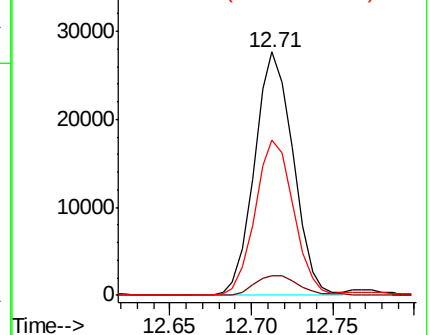
85 63.8 31.8 95.4



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: 36.882 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW011819.D

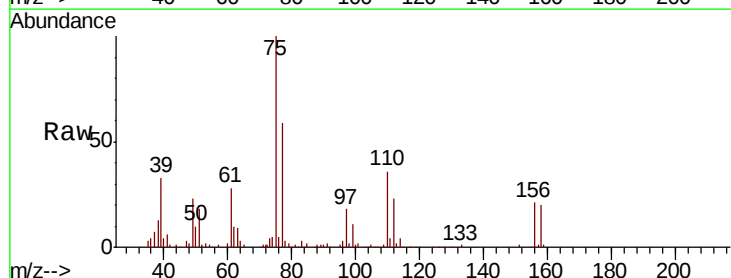
Acq: 09 Aug 2019 19:08

Tgt Ion: 75 Resp: 58803

Ion Ratio Lower Upper

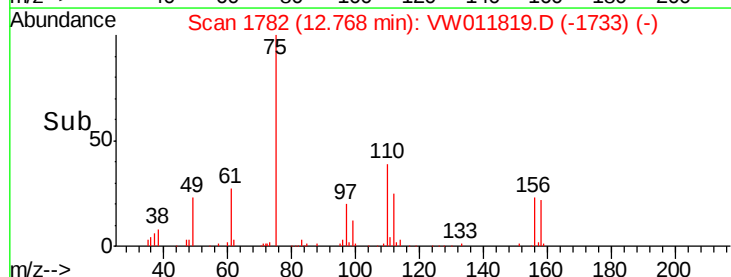
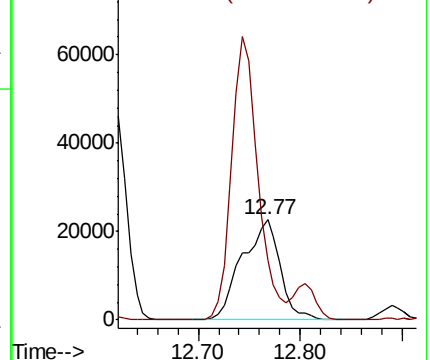
75 100

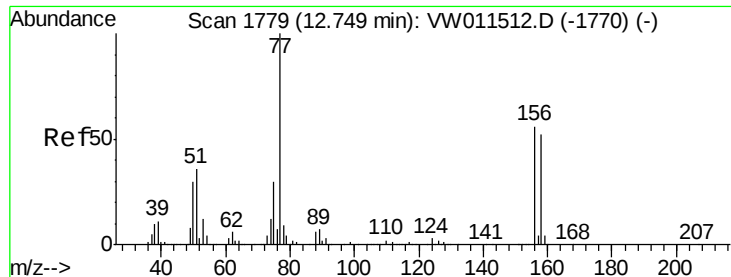
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 21.604 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW011819.D

Acq: 09 Aug 2019 19:08

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBSD01

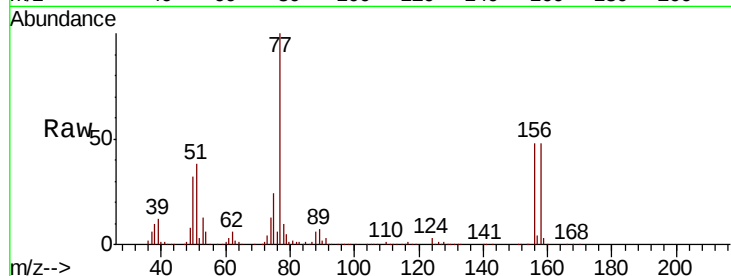
Tgt Ion:156 Resp: 53677

Ion Ratio Lower Upper

156 100

77 214.5 106.5 319.4

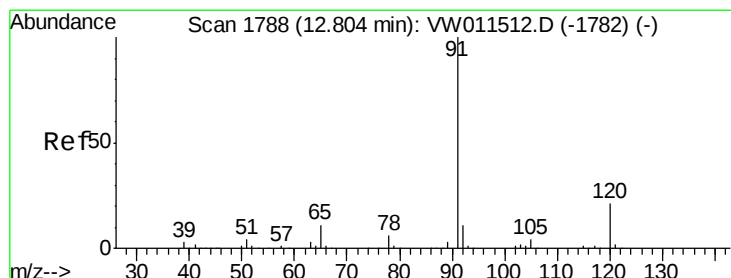
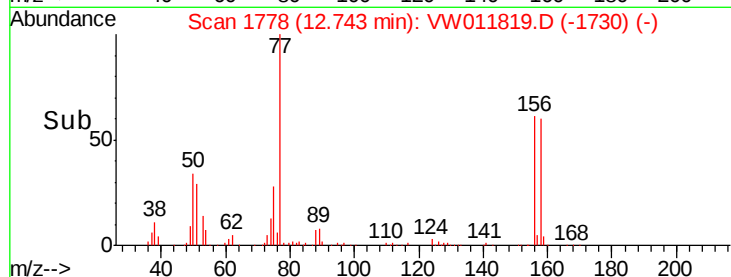
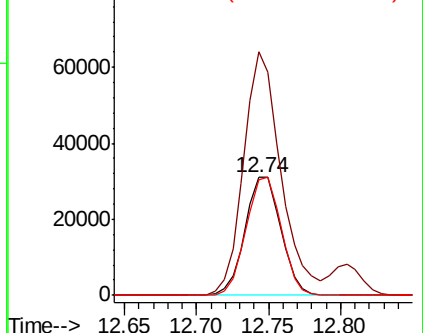
158 97.8 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.950 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW011819.D

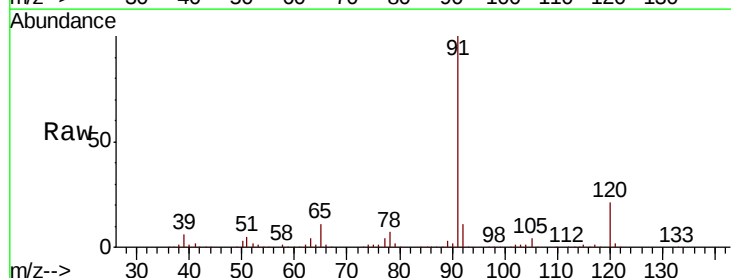
Acq: 09 Aug 2019 19:08

Tgt Ion: 91 Resp: 300288

Ion Ratio Lower Upper

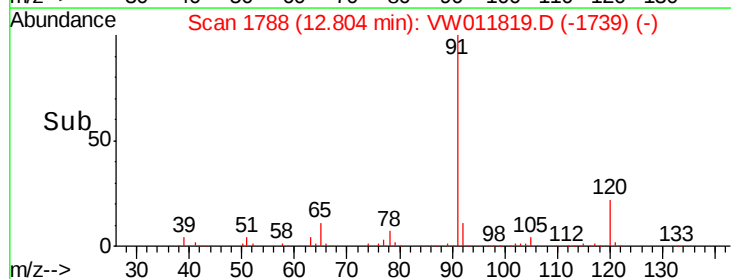
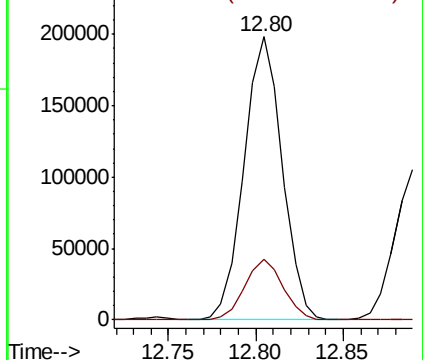
91 100

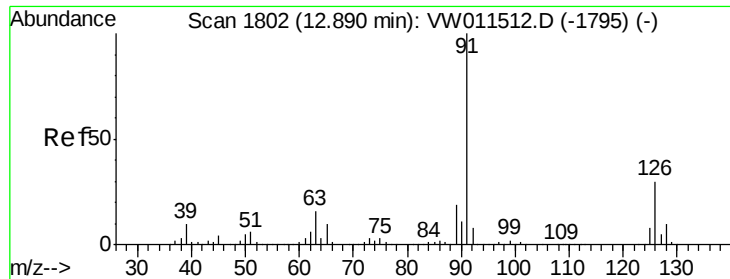
120 21.5 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.892 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW011819.D

Acq: 09 Aug 2019 19:08

Instrument :

MSVOA_W

ClientSampleId :

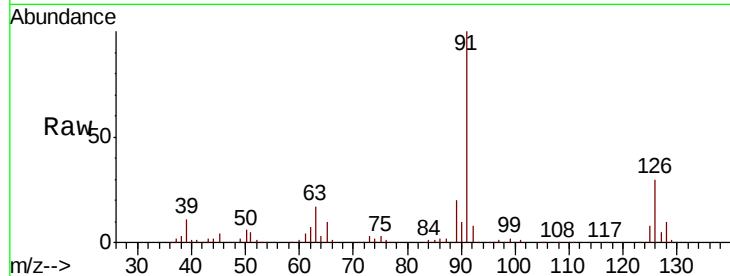
VW0812SBSD01

Tgt Ion: 91 Resp: 172535

Ion Ratio Lower Upper

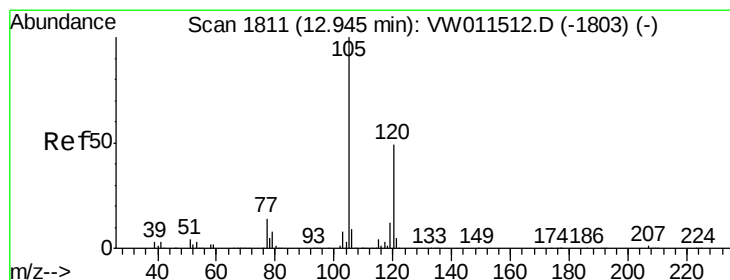
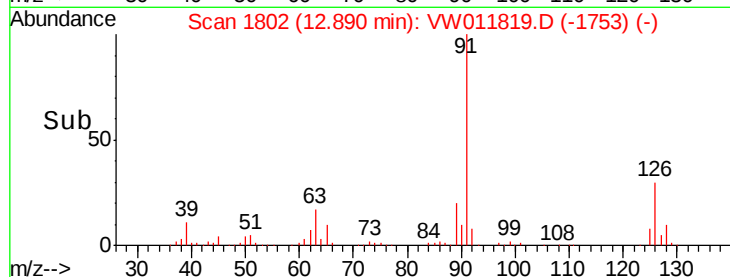
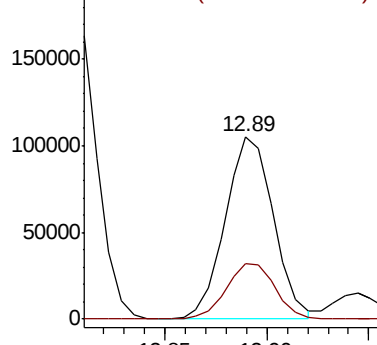
91 100

126 31.1 15.7 47.1



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: 21.984 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW011819.D

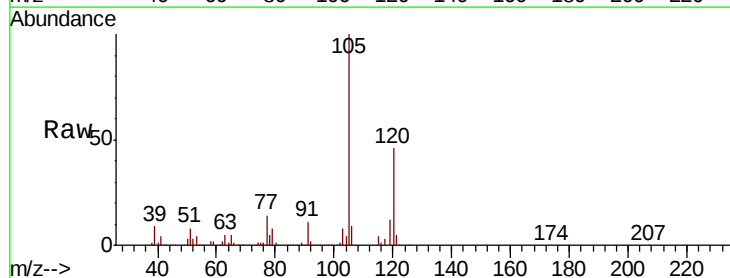
Acq: 09 Aug 2019 19:08

Tgt Ion: 105 Resp: 207153

Ion Ratio Lower Upper

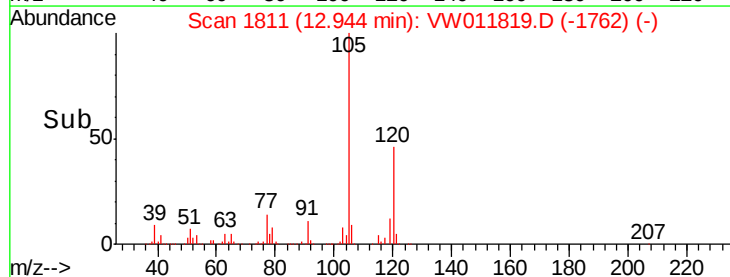
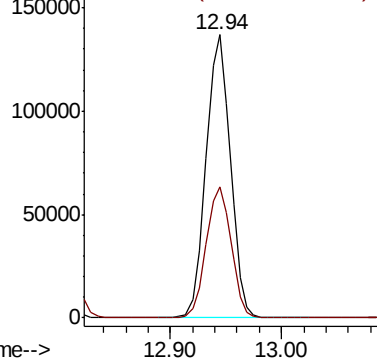
105 100

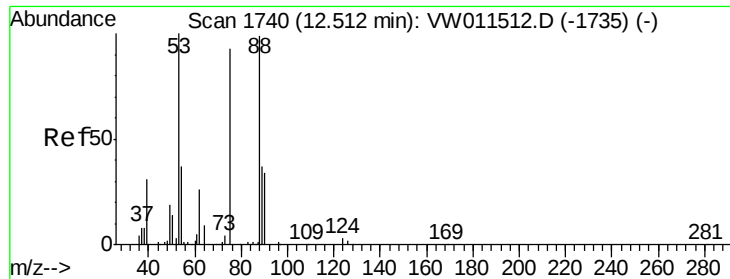
120 47.6 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

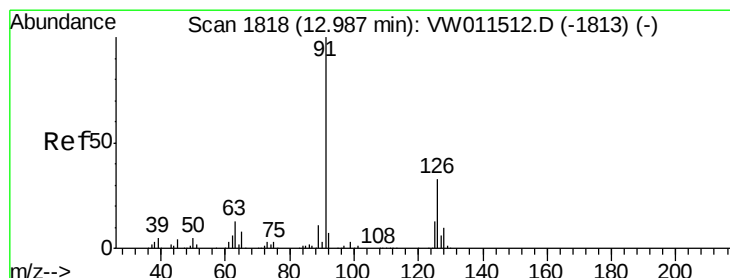
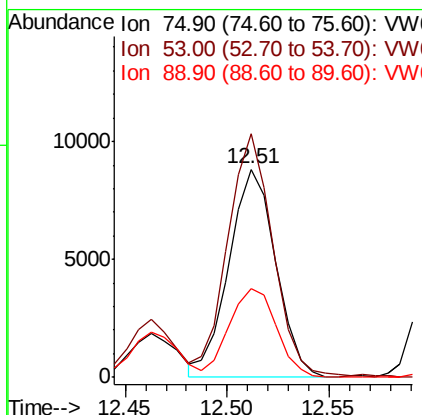
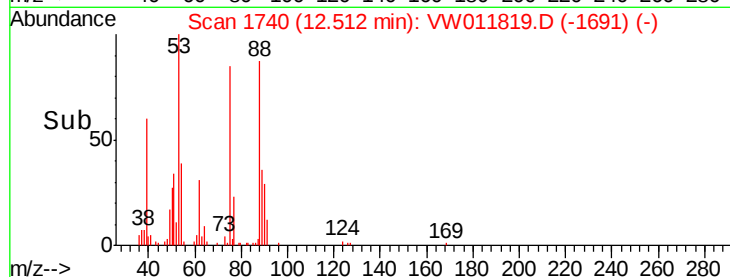
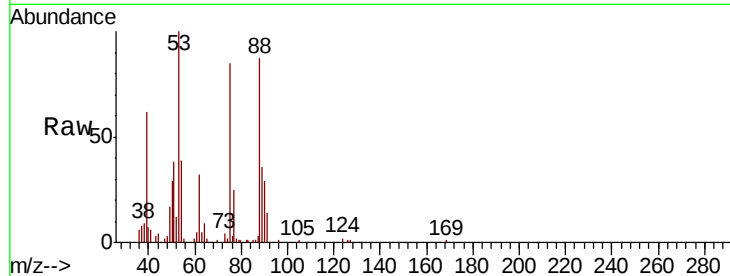




#81
 trans-1,4-Dichloro-2-butene
 Concen: 20.346 ug/l
 RT: 12.51 min Scan# 1740
 Delta R.T. -0.00 min
 Lab File: VW011819.D
 Acq: 09 Aug 2019 19:08

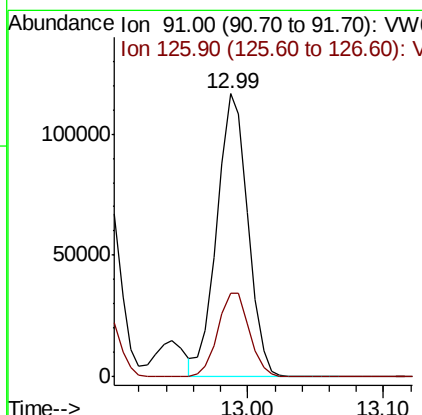
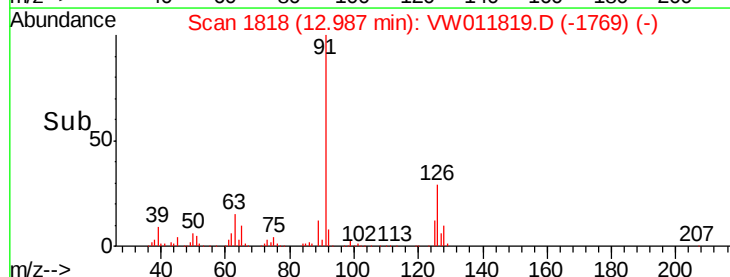
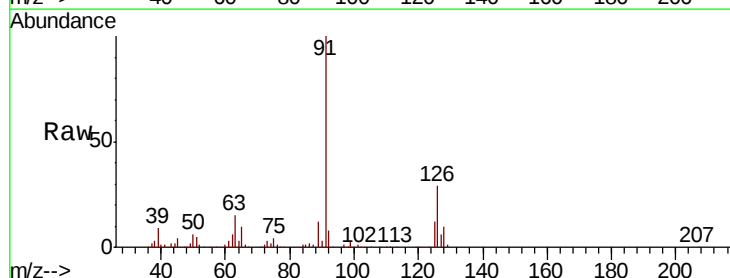
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBSD01

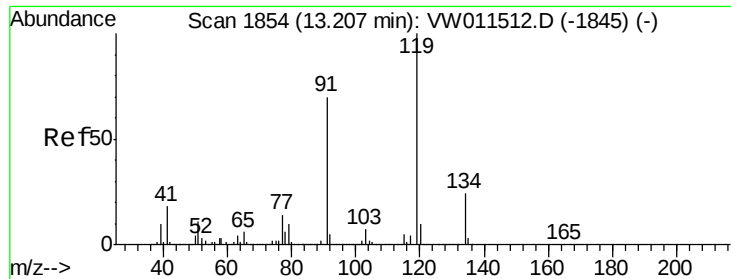
Tgt Ion	Ratio	Lower	Upper
75	100		
53	114.2	88.0	132.0
89	43.0	35.3	52.9



#82
 4-Chlorotoluene
 Concen: 22.185 ug/l
 RT: 12.99 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VW011819.D
 Acq: 09 Aug 2019 19:08

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.3	15.6	46.8

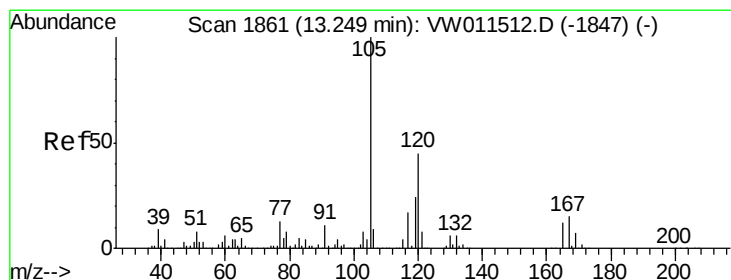
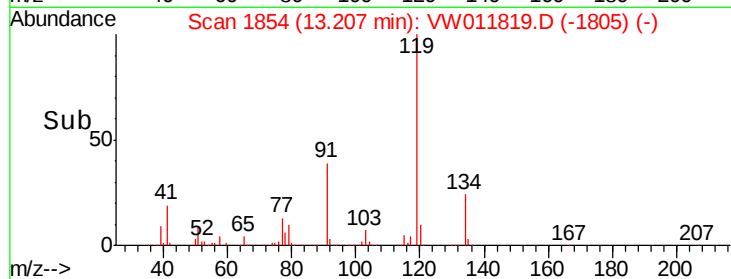
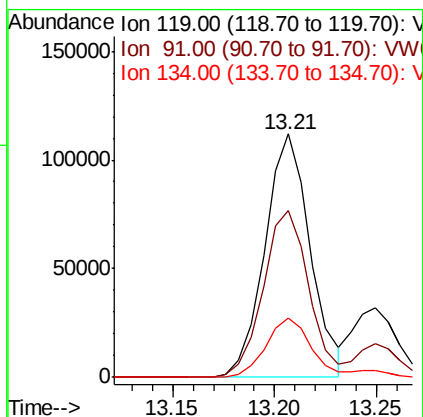
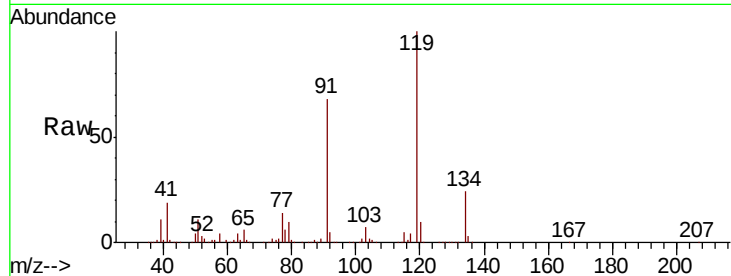




#83
 tert-Butylbenzene
 Concen: 21.971 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW011819.D
 Acq: 09 Aug 2019 19:08

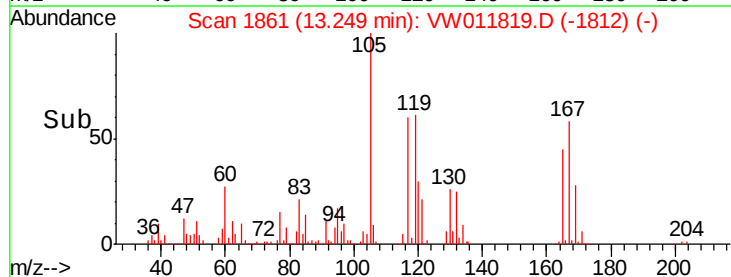
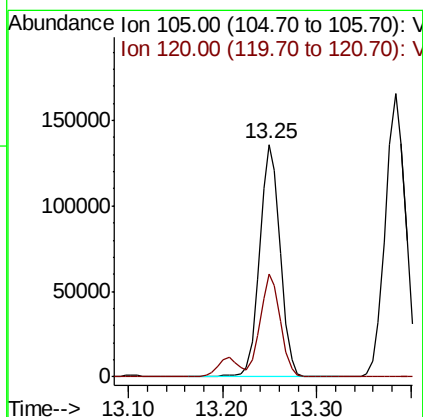
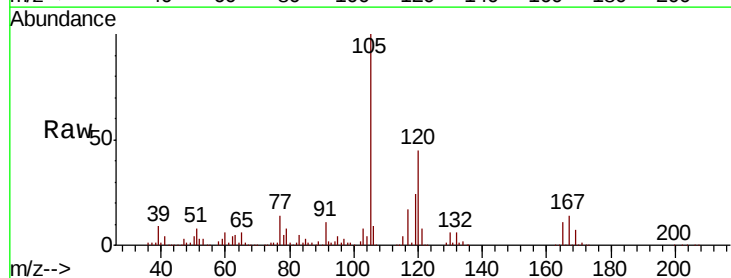
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBSD01

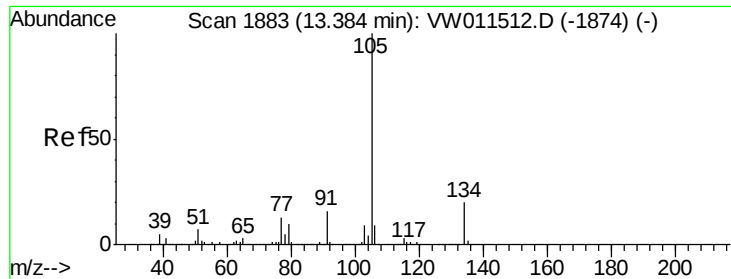
Tgt Ion:119 Resp: 173121
 Ion Ratio Lower Upper
 119 100
 91 68.8 34.5 103.6
 134 24.4 12.4 37.4



#84
 1,2,4-Trimethylbenzene
 Concen: 22.074 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW011819.D
 Acq: 09 Aug 2019 19:08

Tgt Ion:105 Resp: 209529
 Ion Ratio Lower Upper
 105 100
 120 43.2 22.1 66.5

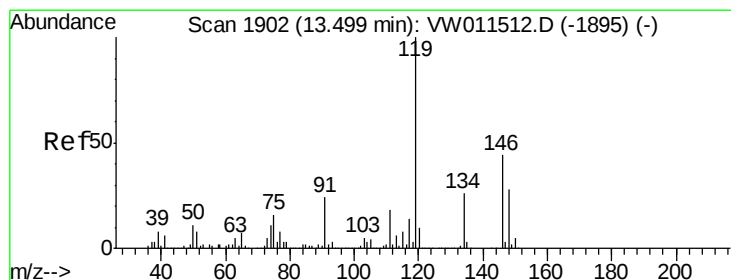
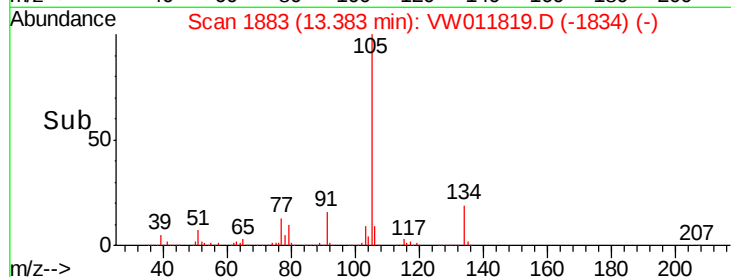
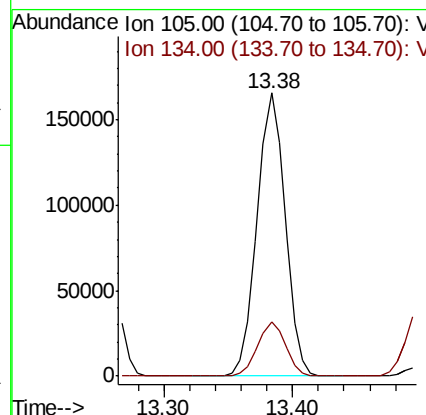
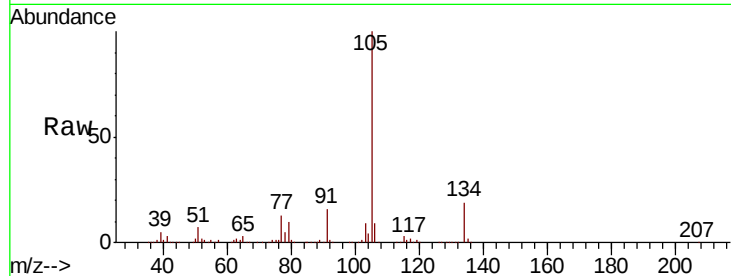




#85
 sec-Butylbenzene
 Concen: 22.205 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW011819.D
 Acq: 09 Aug 2019 19:08

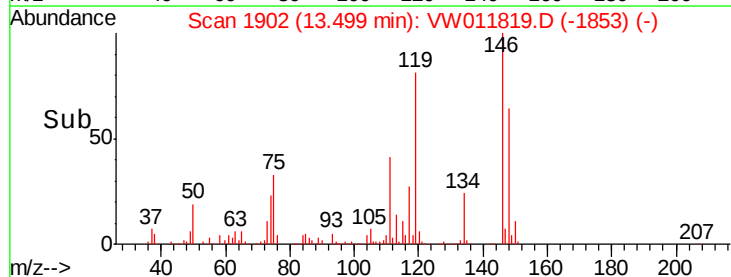
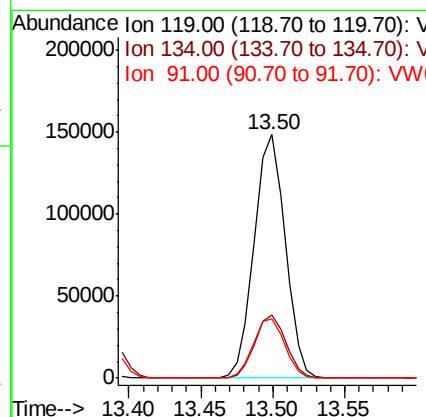
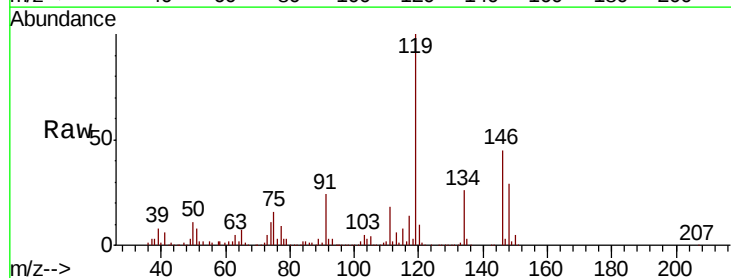
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBSD01

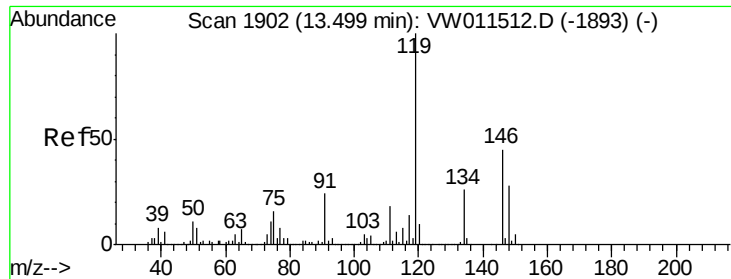
Tgt Ion:105 Resp: 249661
 Ion Ratio Lower Upper
 105 100
 134 19.1 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 21.628 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011819.D
 Acq: 09 Aug 2019 19:08

Tgt Ion:119 Resp: 220627
 Ion Ratio Lower Upper
 119 100
 134 26.1 12.8 38.4
 91 24.9 12.1 36.3

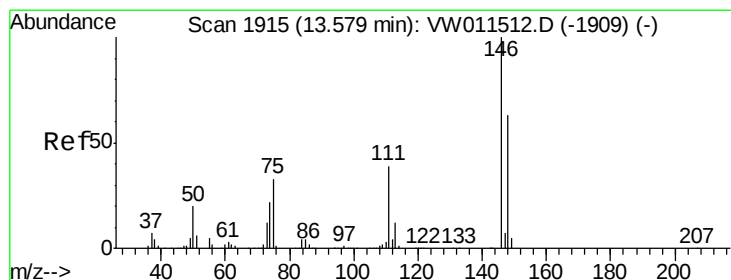
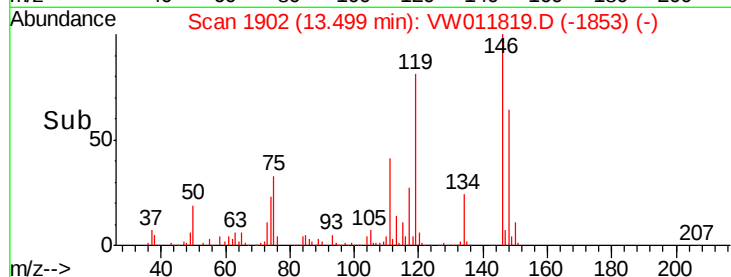
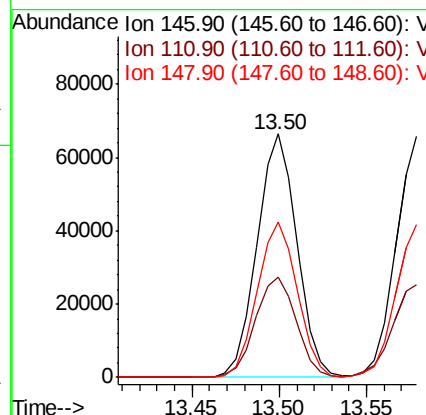
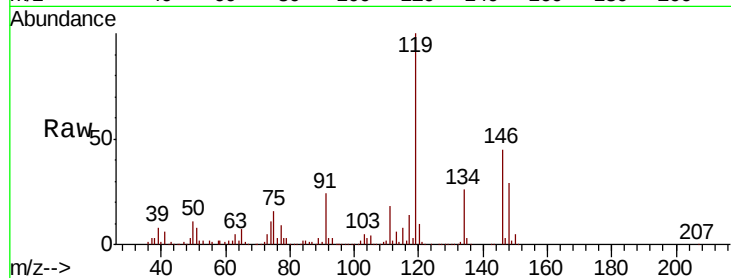




#87
 1,3-Dichlorobenzene
 Concen: 21.497 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011819.D
 Acq: 09 Aug 2019 19:08

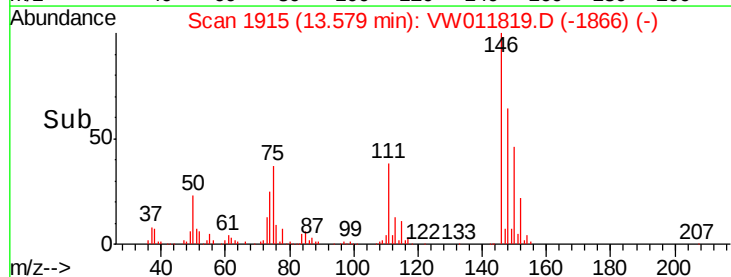
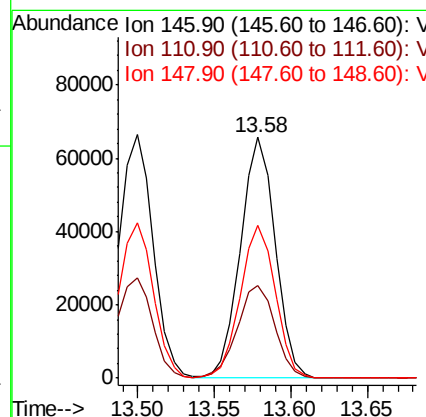
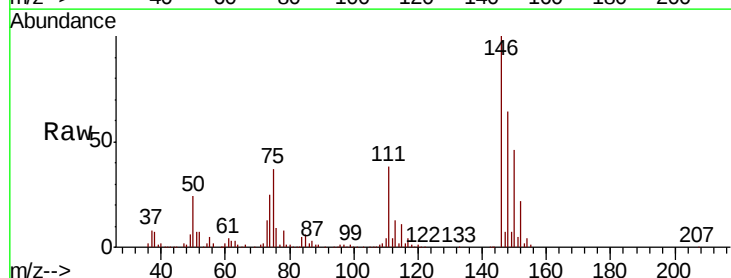
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBSD01

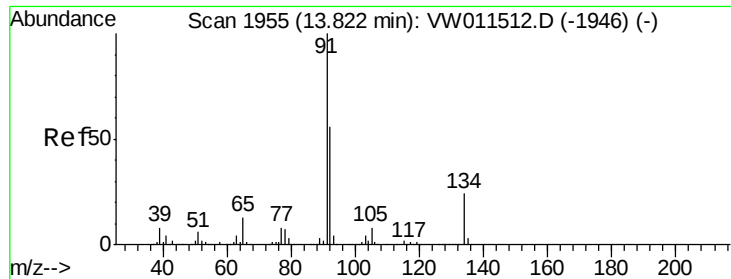
Tgt Ion:146 Resp: 104727
 Ion Ratio Lower Upper
 146 100
 111 42.4 20.5 61.6
 148 64.4 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 21.420 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011819.D
 Acq: 09 Aug 2019 19:08

Tgt Ion:146 Resp: 103806
 Ion Ratio Lower Upper
 146 100
 111 41.6 20.1 60.2
 148 64.1 31.9 95.9





#89

n-Butylbenzene

Concen: 21.598 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW011819.D

Acq: 09 Aug 2019 19:08

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBSD01

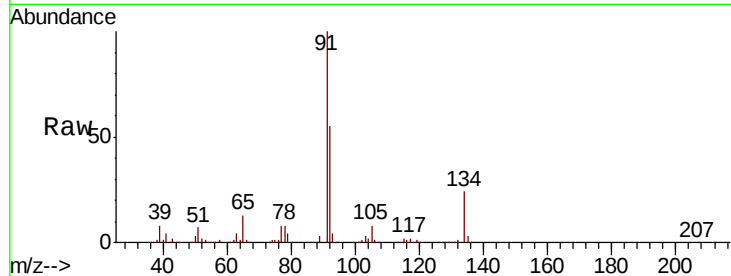
Tgt Ion: 91 Resp: 219872

Ion Ratio Lower Upper

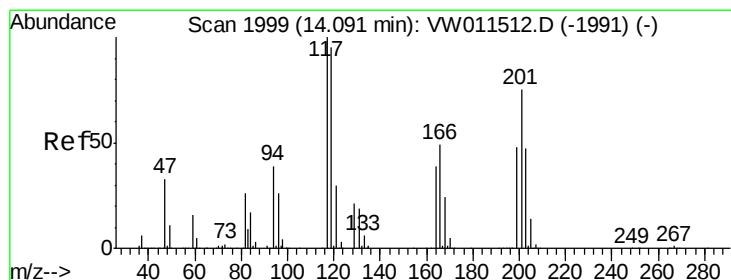
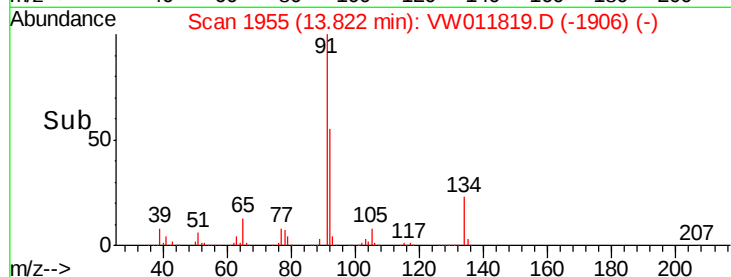
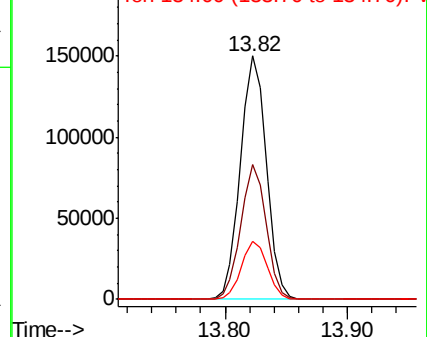
91 100

92 54.2 27.5 82.4

134 24.0 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 21.466 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW011819.D

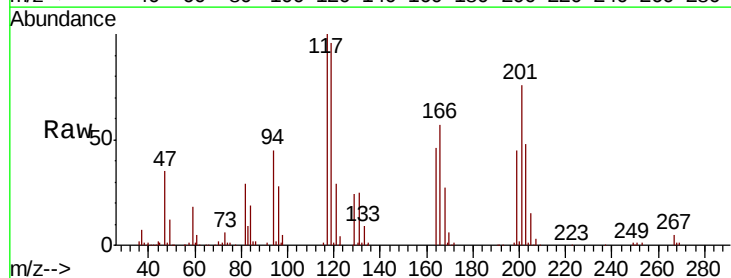
Acq: 09 Aug 2019 19:08

Tgt Ion: 117 Resp: 38721

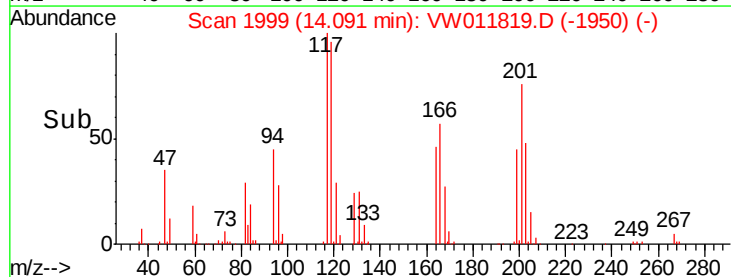
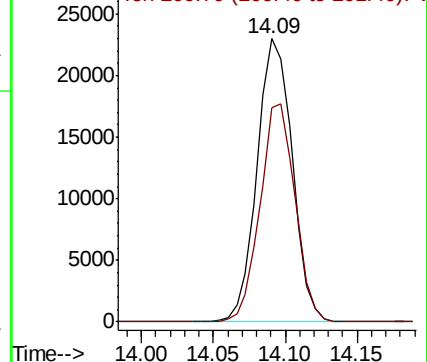
Ion Ratio Lower Upper

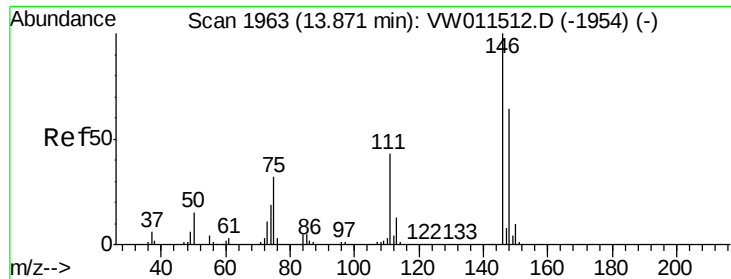
117 100

201 76.7 39.4 118.2



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 21.322 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW011819.D

Acq: 09 Aug 2019 19:08

Instrument :

MSVOA_W

ClientSampled :

VW0812SBSD01

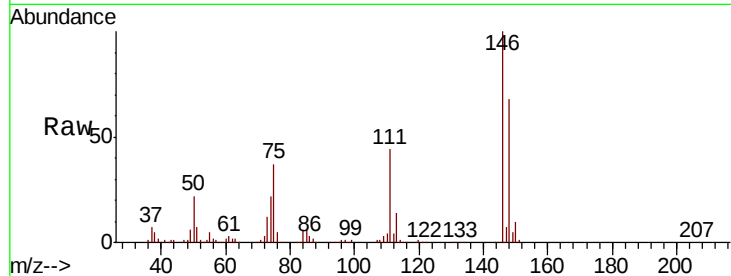
Tgt Ion:146 Resp: 91871

Ion Ratio Lower Upper

146 100

111 43.6 21.6 65.0

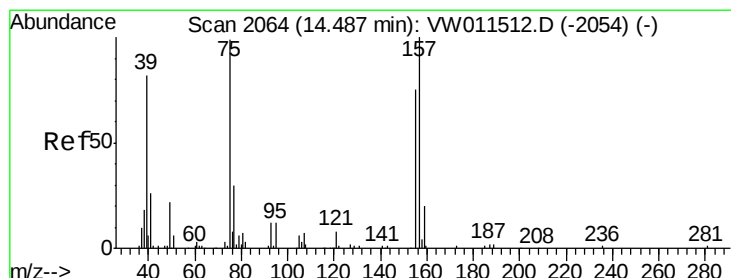
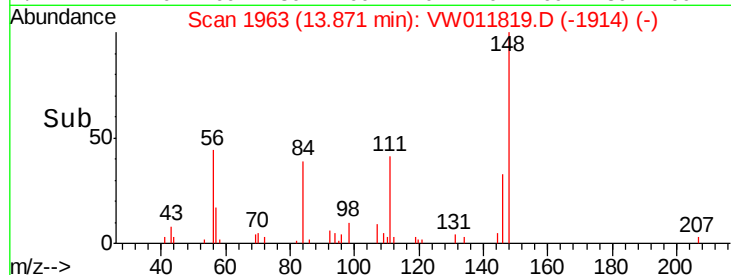
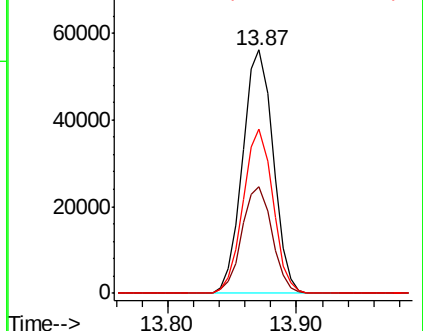
148 66.1 32.0 96.2



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: 20.540 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW011819.D

Acq: 09 Aug 2019 19:08

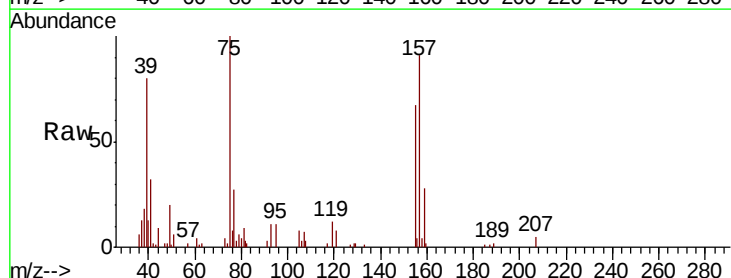
Tgt Ion: 75 Resp: 7406

Ion Ratio Lower Upper

75 100

155 72.6 38.2 114.6

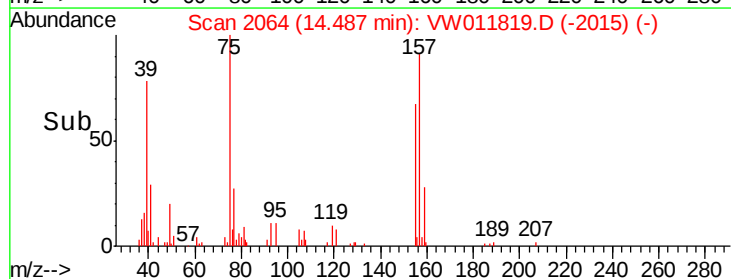
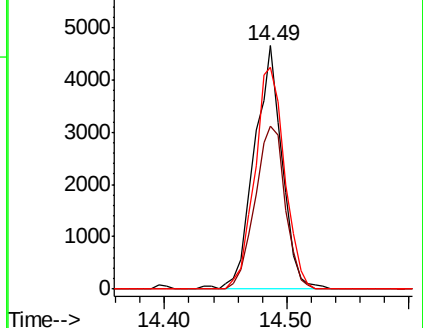
157 97.7 48.9 146.7

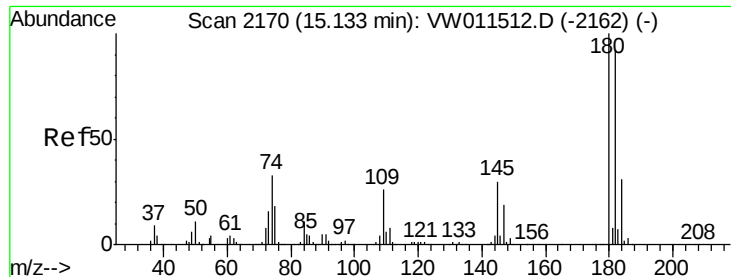


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

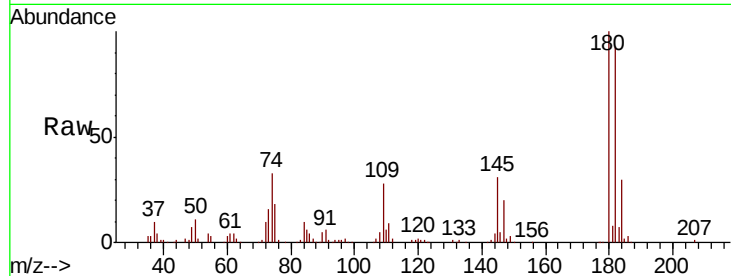




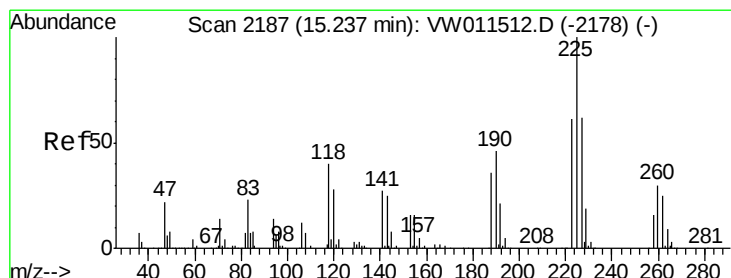
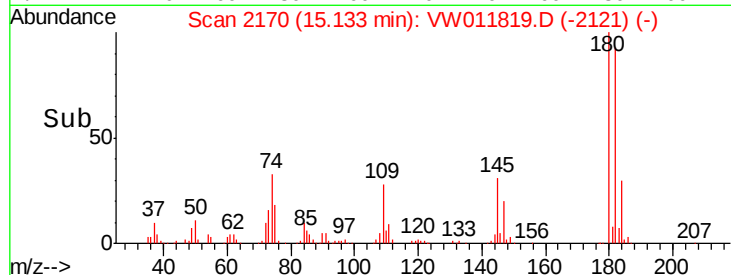
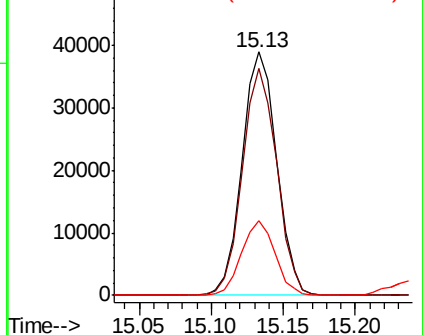
#93
 1,2,4-Trichlorobenzene
 Concen: 21.345 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW011819.D
 Acq: 09 Aug 2019 19:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBSD01

Tgt Ion:180 Resp: 64820
 Ion Ratio Lower Upper
 180 100
 182 92.3 47.4 142.2
 145 29.7 15.4 46.1

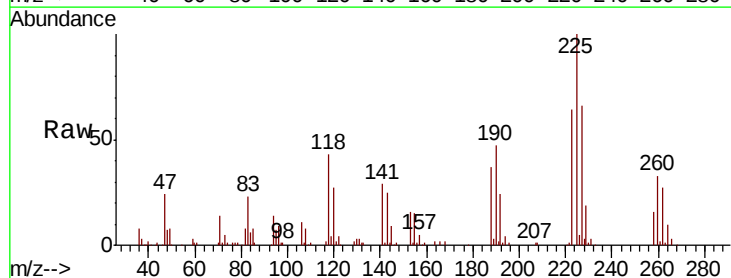


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

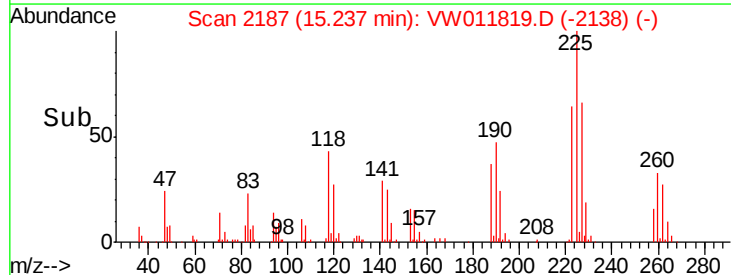
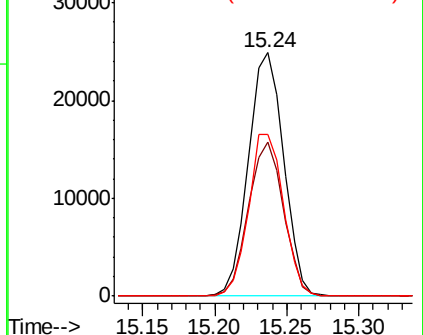


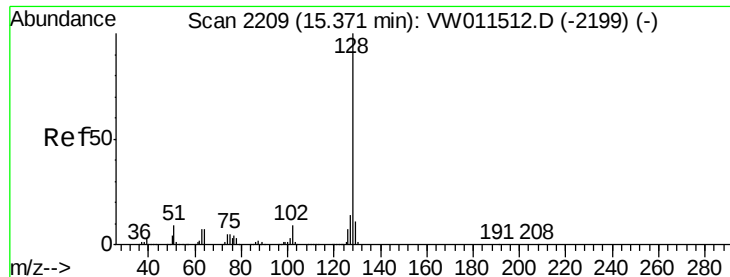
#94
 Hexachlorobutadiene
 Concen: 22.255 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW011819.D
 Acq: 09 Aug 2019 19:08

Tgt Ion:225 Resp: 42146
 Ion Ratio Lower Upper
 225 100
 223 63.2 30.8 92.3
 227 65.7 31.6 94.7



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

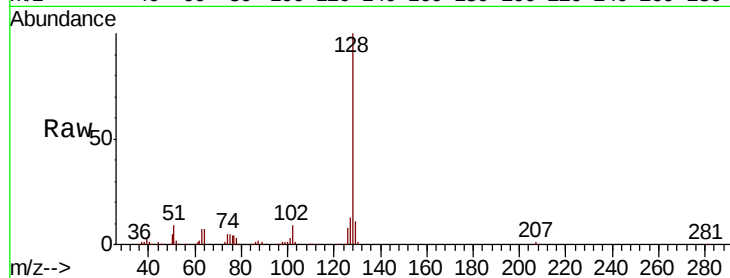




#95
Naphthalene
Concen: 20.014 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW011819.D
Acq: 09 Aug 2019 19:08

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD01

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

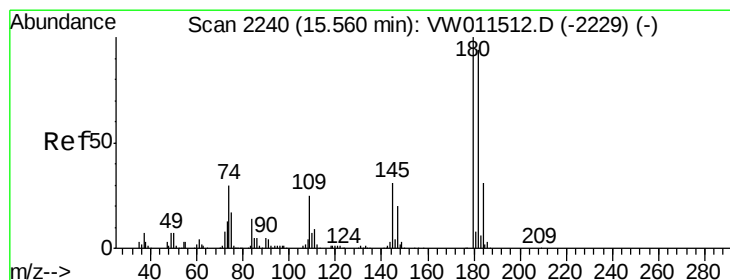
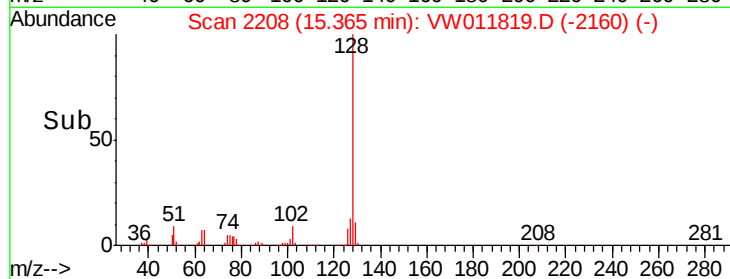
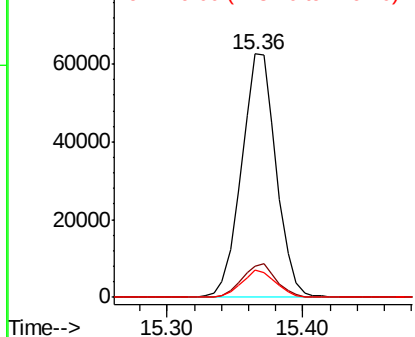


Abundance

Ion 128.00 (127.70 to 128.70): V

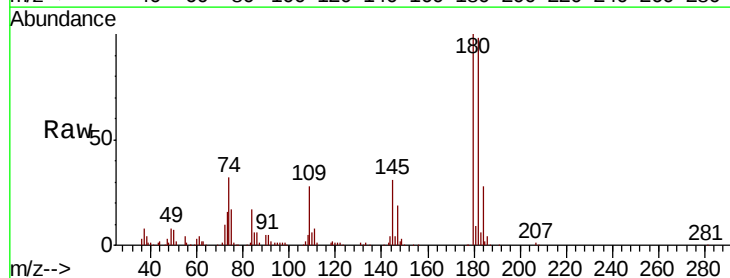
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.955 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW011819.D
Acq: 09 Aug 2019 19:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.4	142.2
145	33.1	15.9	47.7



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

