

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091419\
 Data File : VW012954.D
 Acq On : 13 Sep 2019 14:58
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 13 17:02:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 16:59:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	277120	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	403726	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	343668	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	174930	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	47782	18.67	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	37.34%	
35) Dibromofluoromethane	7.88	113	41726	19.05	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	38.10%	
50) Toluene-d8	10.32	98	157331	18.35	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	36.70%	
62) 4-Bromofluorobenzene	12.62	95	58800	19.08	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	38.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	28728	24.248	ug/l	95
3) Chloromethane	2.21	50	32196	21.249	ug/l	98
4) Vinyl Chloride	2.36	62	42517	21.435	ug/l	99
5) Bromomethane	2.77	94	25173	20.782	ug/l	96
6) Chloroethane	2.92	64	25951	21.332	ug/l	98
7) Trichlorofluoromethane	3.25	101	27310	19.689	ug/l	93
8) Diethyl Ether	3.68	74	20559	18.982	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	40749	19.370	ug/l	97
10) Methyl Iodide	4.27	142	54790	20.810	ug/l	99
11) Tert butyl alcohol	5.17	59	10154	50.618	ug/l #	84
12) 1,1-Dichloroethene	4.04	96	38425	20.088	ug/l	96
13) Acrolein	3.89	56	19035	101.390	ug/l	98
14) Allyl chloride	4.67	41	71331	19.643	ug/l	100
15) Acrylonitrile	5.37	53	51891	93.806	ug/l	98
16) Acetone	4.13	43	52100	85.692	ug/l	95
17) Carbon Disulfide	4.38	76	81449	21.367	ug/l	99
18) Methyl Acetate	4.67	43	26271	18.017	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	72689	19.251	ug/l	96
20) Methylene Chloride	4.91	84	46518	19.337	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	39804	19.429	ug/l	100
22) Diisopropyl ether	6.31	45	146179	19.377	ug/l	98
23) Vinyl Acetate	6.25	43	422700	93.551	ug/l	97
24) 1,1-Dichloroethane	6.21	63	84357	19.394	ug/l	97
25) 2-Butanone	7.17	43	75204	92.408	ug/l	99
26) 2,2-Dichloropropane	7.17	77	58379	18.928	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	47817	19.495	ug/l	99
28) Bromochloromethane	7.51	49	33498	18.297	ug/l	100
29) Tetrahydrofuran	7.52	42	43010	92.753	ug/l	98
30) Chloroform	7.68	83	85243	19.288	ug/l	97
31) Cyclohexane	7.95	56	72592	19.588	ug/l	91
32) 1,1,1-Trichloroethane	7.87	97	70692	19.423	ug/l	97
36) 1,1-Dichloropropene	8.08	75	63584	19.709	ug/l	99
37) Ethyl Acetate	7.25	43	31719	18.523	ug/l	99
38) Carbon Tetrachloride	8.07	117	64974	19.653	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	71689	20.279	ug/l	98
40) Benzene	8.32	78	177293	19.686	ug/l	98
41) Methacrylonitrile	7.48	41	21277	18.868	ug/l	92
42) 1,2-Dichloroethane	8.40	62	57282	18.973	ug/l	99
43) Isopropyl Acetate	8.42	43	58347	17.746	ug/l	99
44) Trichloroethene	9.09	130	47852	19.398	ug/l	87
45) 1,2-Dichloropropane	9.37	63	45714	19.105	ug/l	99
46) Dibromomethane	9.46	93	21710	18.938	ug/l	97
47) Bromodichloromethane	9.64	83	59958	18.646	ug/l	100
48) Methyl methacrylate	9.43	41	28015	18.156	ug/l	99
49) 1,4-Dioxane	9.46	88	7254	377.629	ug/l #	77
51) 4-Methyl-2-Pentanone	10.21	43	154041	90.749	ug/l	100
52) Toluene	10.38	92	111216	19.433	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	59636	18.440	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	69452	18.769	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	33217	19.020	ug/l	93
56) Ethyl methacrylate	10.65	69	42502	18.080	ug/l	98
57) 1,3-Dichloropropane	10.93	76	58321	18.825	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	122104	96.831	ug/l	99
59) 2-Hexanone	10.97	43	105499	89.259	ug/l	99
60) Dibromochloromethane	11.12	129	38704	18.331	ug/l	95
61) 1,2-Dibromoethane	11.23	107	30541	19.170	ug/l	100
64) Tetrachloroethene	10.86	164	39629	19.383	ug/l	99
65) Chlorobenzene	11.65	112	116697	19.063	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	43684	18.622	ug/l	97
67) Ethyl Benzene	11.73	91	217524	19.240	ug/l	99
68) m/p-Xylenes	11.84	106	161284	39.051	ug/l	99
69) o-Xylene	12.16	106	74815	19.322	ug/l	99
70) Styrene	12.18	104	133076	19.320	ug/l	99
71) Bromoform	12.35	173	22696	18.419	ug/l #	97
73) Isopropylbenzene	12.46	105	222631	19.201	ug/l	100
74) N-amyl acetate	12.27	43	54418	18.245	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	37071	18.203	ug/l	99
76) 1,2,3-Trichloropropane	12.76	75	48859	33.103	ug/l #	100
77) Bromobenzene	12.74	156	49854	18.664	ug/l	98
78) n-propylbenzene	12.80	91	258134	18.926	ug/l	100
79) 2-Chlorotoluene	12.89	91	148687	18.964	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	189741	19.343	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	12088	17.896	ug/l	96
82) 4-Chlorotoluene	12.99	91	153497	18.555	ug/l	98
83) tert-Butylbenzene	13.21	119	166346	18.959	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	187458	19.339	ug/l	100
85) sec-Butylbenzene	13.38	105	226095	18.914	ug/l	99
86) p-Isopropyltoluene	13.50	119	209521	19.090	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	98957	18.714	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	96868	18.642	ug/l	98
89) n-Butylbenzene	13.82	91	196333	18.968	ug/l	100
90) Hexachloroethane	14.09	117	36207	18.409	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	87163	18.744	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	6693	17.955	ug/l	94

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Response via : Initial Calibration

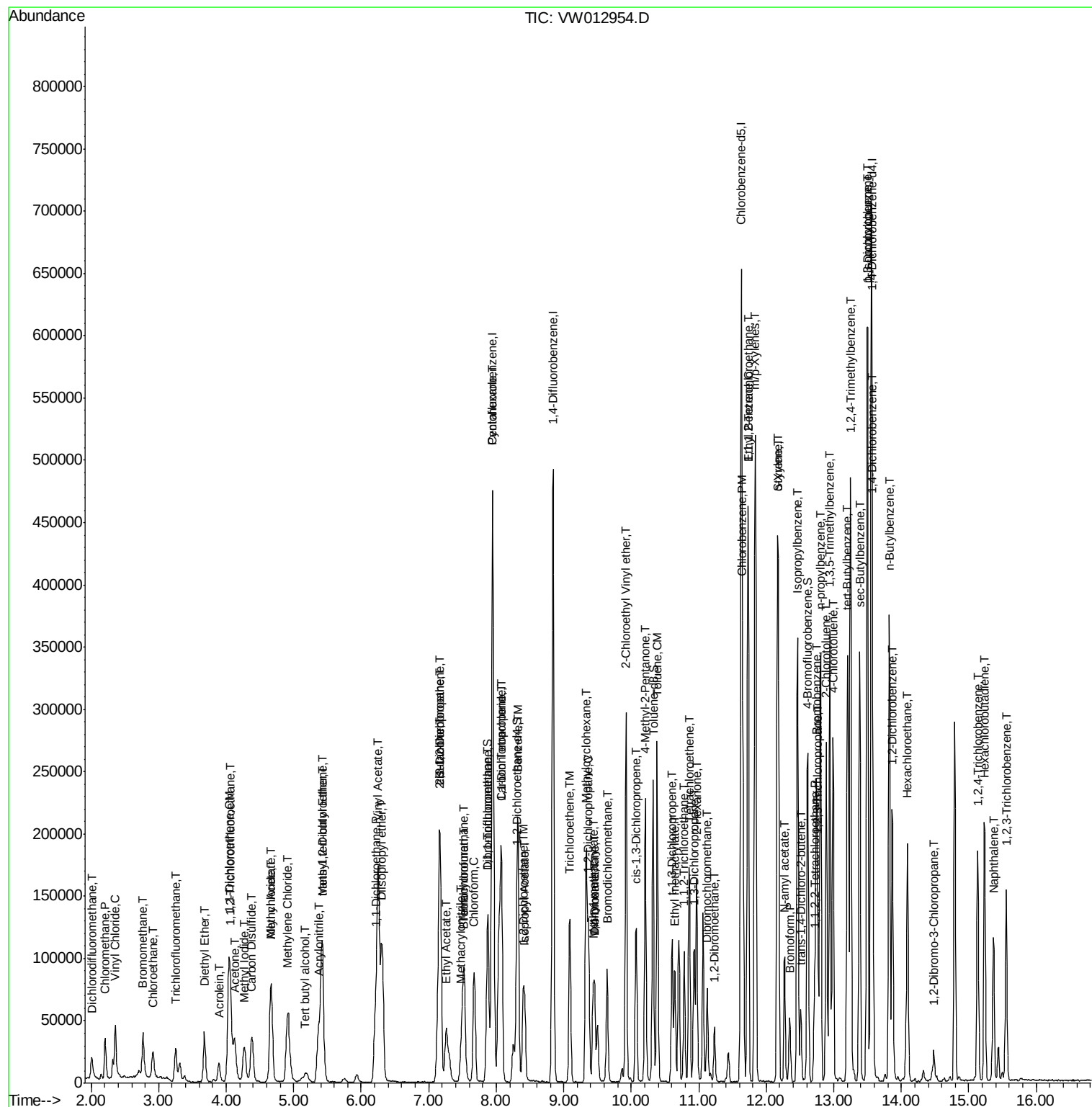
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	61649	18.590	ug/l	99
94) Hexachlorobutadiene	15.23	225	45251	19.275	ug/l	98
95) Naphthalene	15.36	128	98117	17.707	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	54773	18.684	ug/l	100

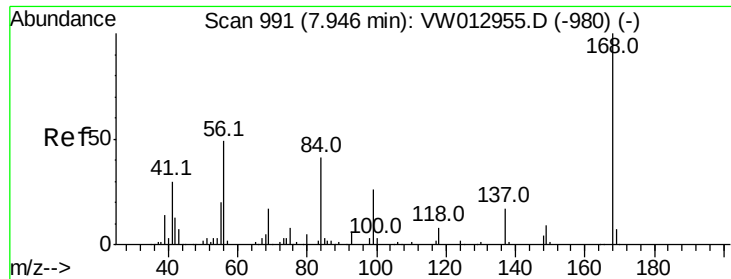
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

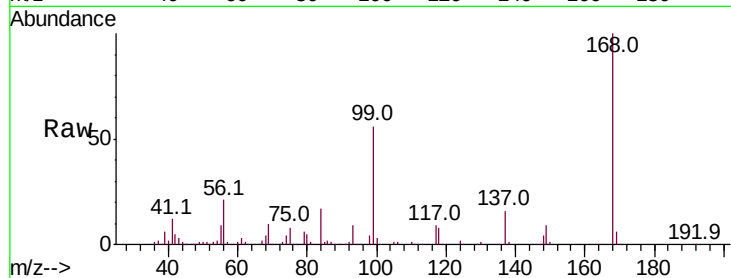
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 277120

Ion Ratio Lower Upper

168 100

99 56.2 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): VW012955.D (-980) (-)

Ion 98.90 (98.60 to 99.60): VW012955.D (-980) (-)

7.95

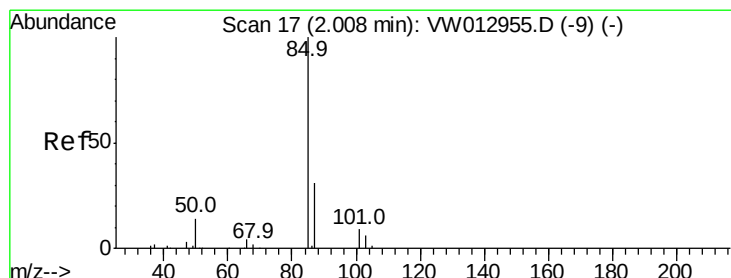
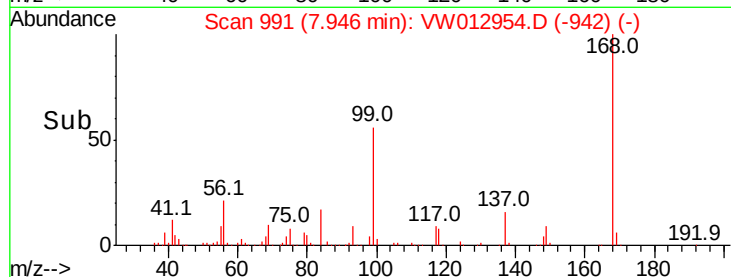
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 24.248 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW012954.D

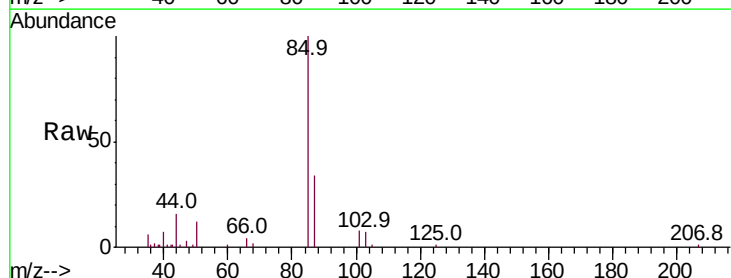
Acq: 13 Sep 2019 14:58

Tgt Ion: 85 Resp: 28728

Ion Ratio Lower Upper

85 100

87 33.5 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW012955.D (-9) (-)

Ion 86.90 (86.60 to 87.60): VW012955.D (-9) (-)

2.01

10000

8000

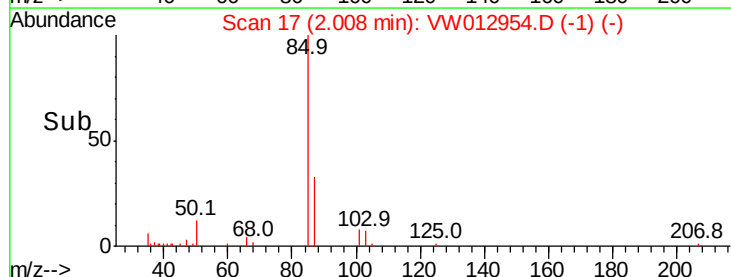
6000

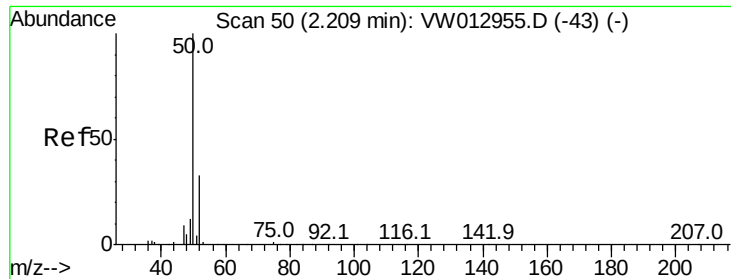
4000

2000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 21.249 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

Instrument :

MSVOA_W

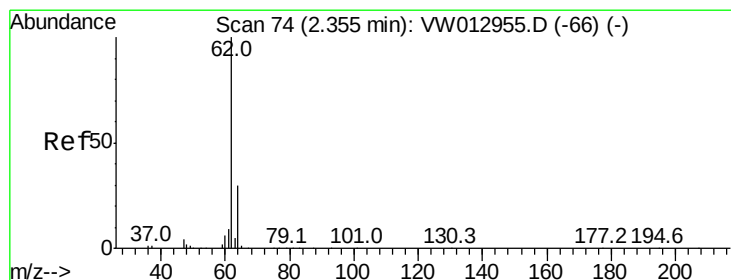
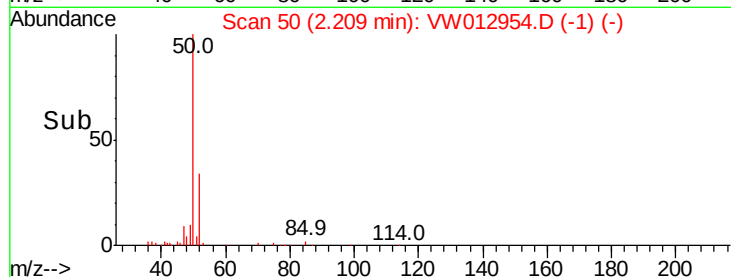
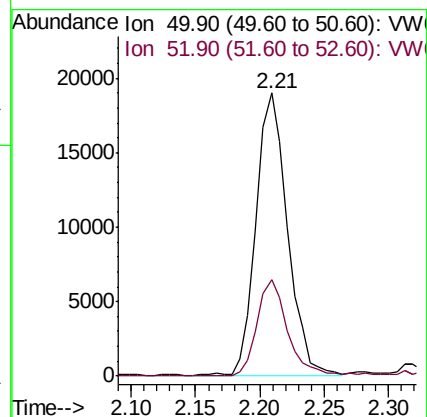
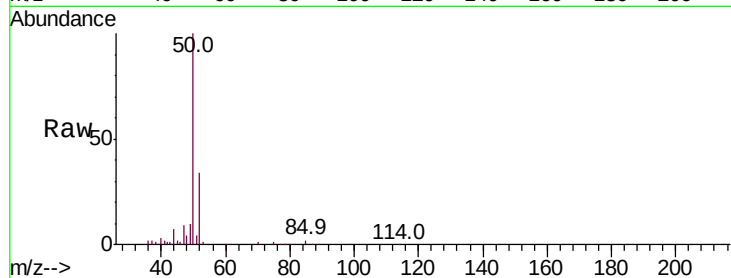
ClientSampleId :

Tot Ion: 50 Resp: 32196

Ion Ratio Lower Upper

50 100

52 34.2 26.6 39.8



#4

Vinyl Chloride

Concen: 21.435 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW012954.D

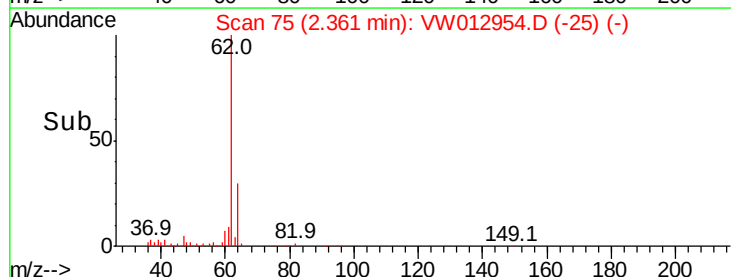
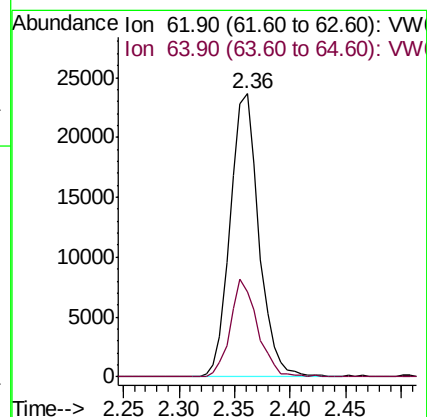
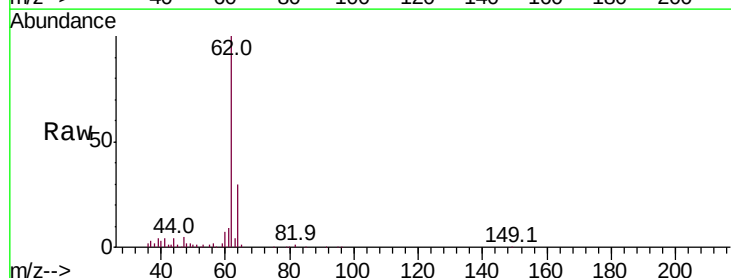
Acq: 13 Sep 2019 14:58

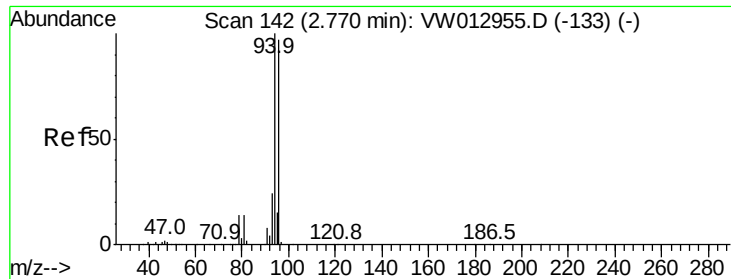
Tgt Ion: 62 Resp: 42517

Ion Ratio Lower Upper

62 100

64 30.0 24.2 36.4





#5

Bromomethane

Concen: 20.782 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

Instrument :

MSVOA_W

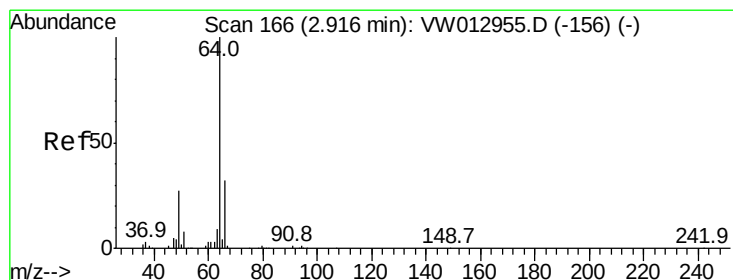
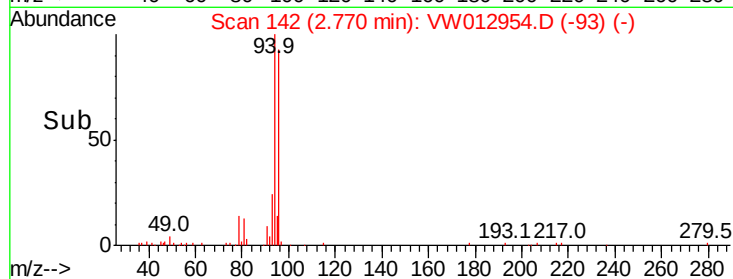
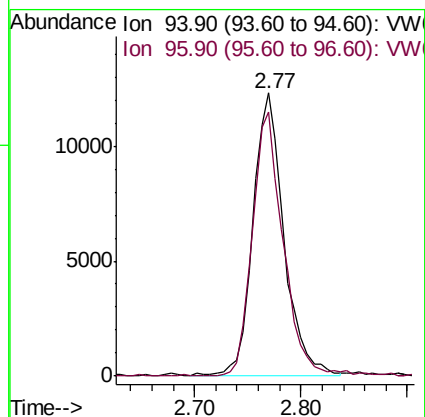
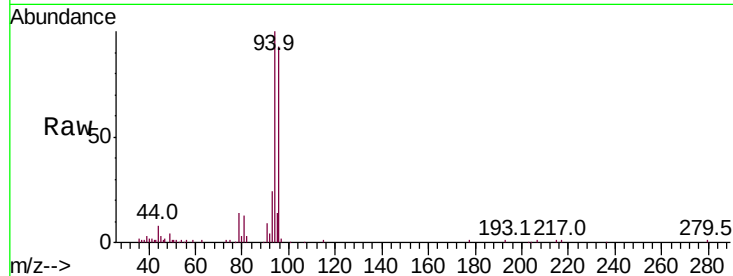
ClientSampled :

Tot Ion: 94 Resp: 25173

Ion Ratio Lower Upper

94 100

96 93.4 77.8 116.6



#6

Chloroethane

Concen: 21.332 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW012954.D

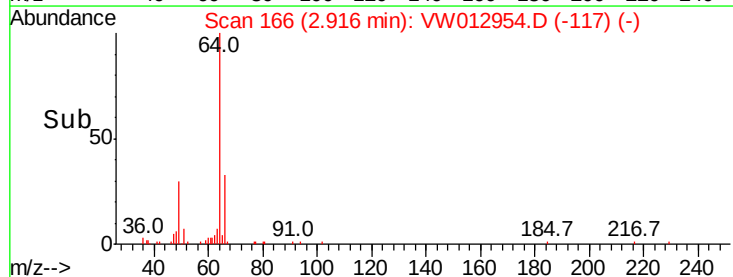
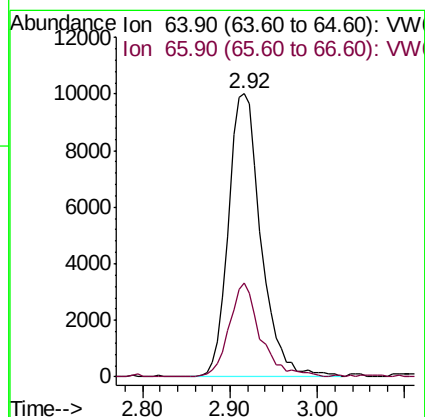
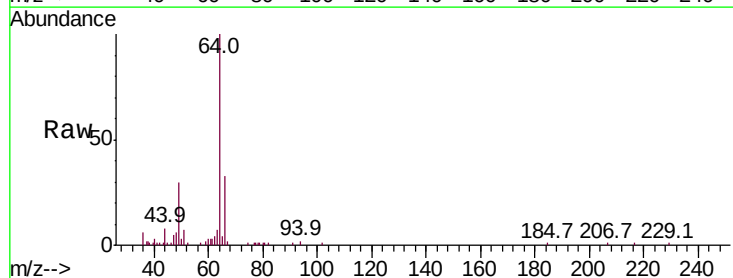
Acq: 13 Sep 2019 14:58

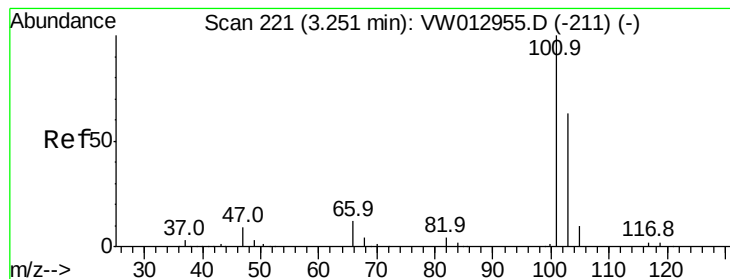
Tgt Ion: 64 Resp: 25951

Ion Ratio Lower Upper

64 100

66 33.3 25.9 38.9



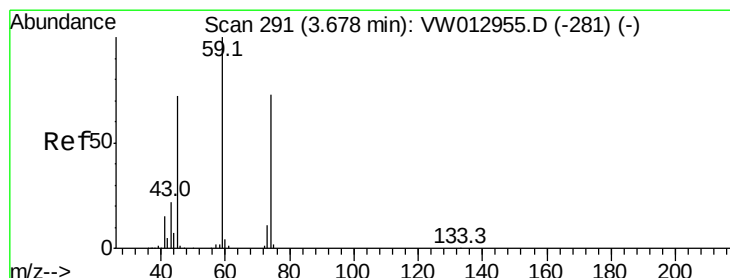
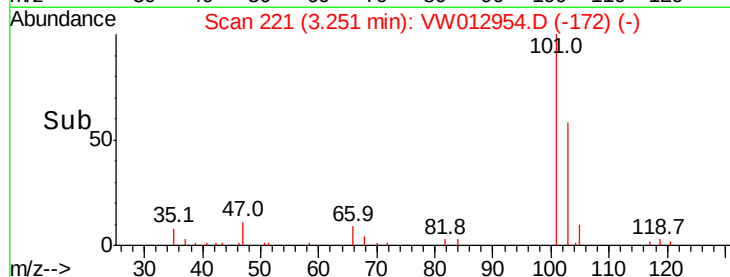
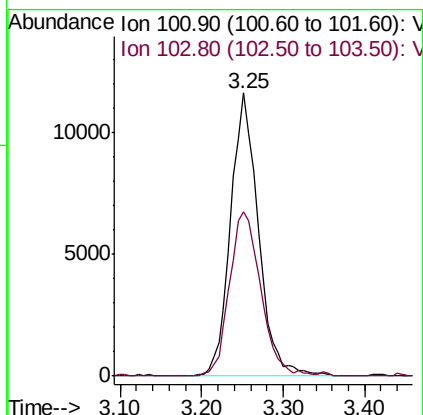
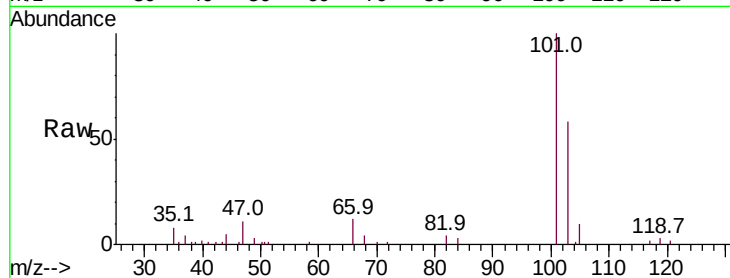


#7

Trichlorofluoromethane
 Concen: 19.689 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VW012954.D
 Acq: 13 Sep 2019 14:58

Instrument :
 MSVOA_W
 ClientSampleId :

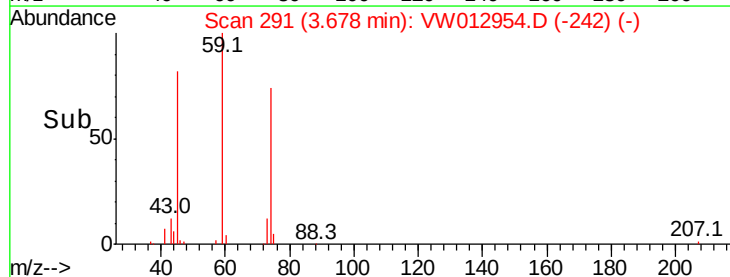
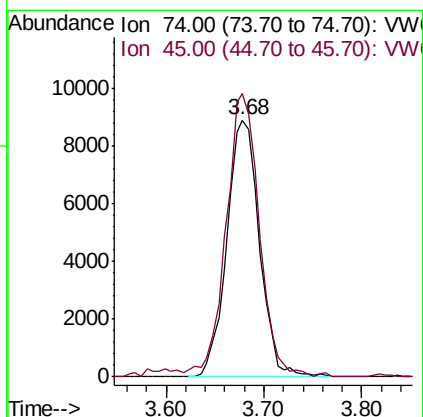
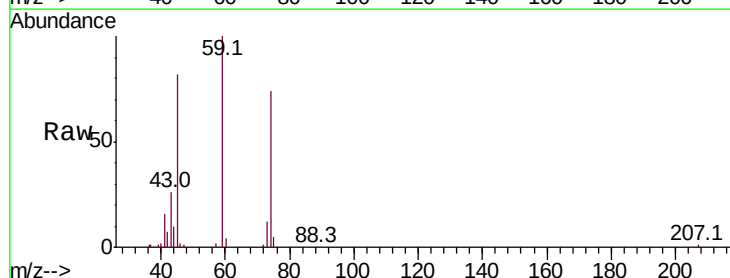
Tot Ion:101 Resp: 27310
 Ion Ratio Lower Upper
 101 100
 103 58.0 50.7 76.1

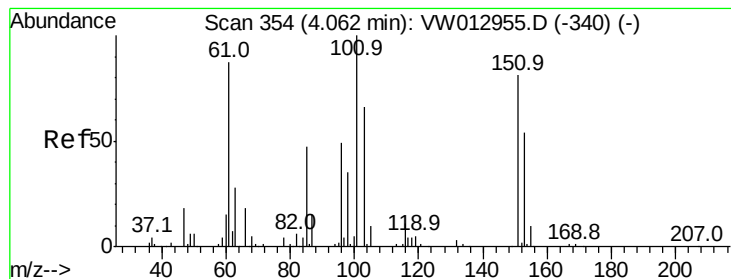


#8

Diethyl Ether
 Concen: 18.982 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW012954.D
 Acq: 13 Sep 2019 14:58

Tgt Ion: 74 Resp: 20559
 Ion Ratio Lower Upper
 74 100
 45 112.8 53.8 161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.370 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

Instrument :

MSVOA_W

ClientSampleId :

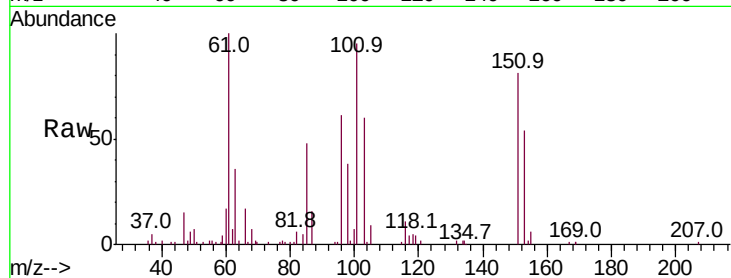
Tot Ion:101 Resp: 40749

Ion Ratio Lower Upper

101 100

85 46.1 34.9 52.3

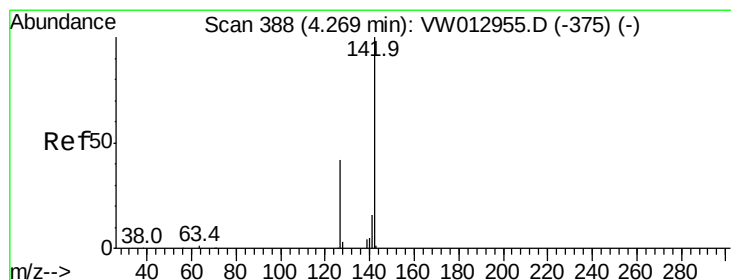
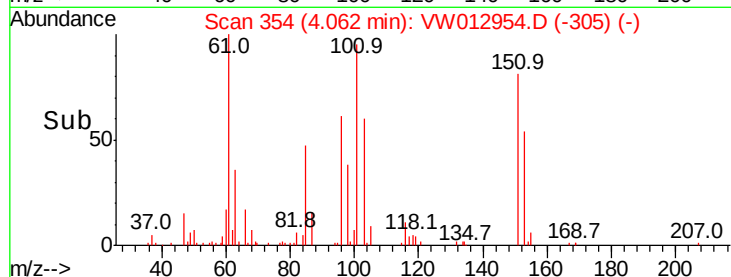
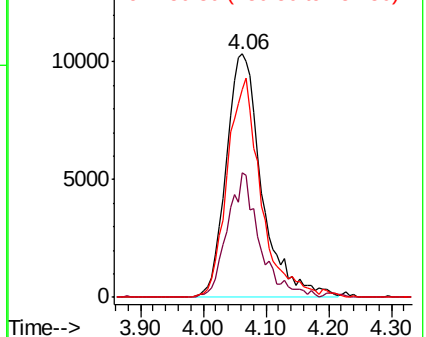
151 84.5 66.0 99.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.810 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

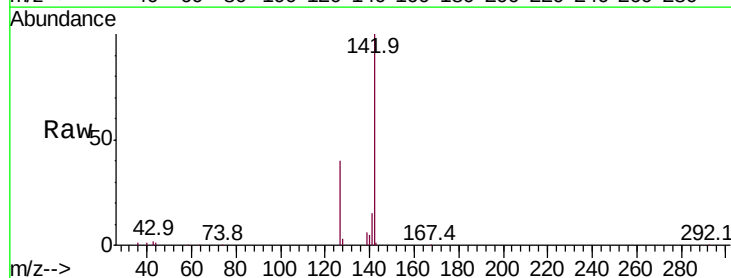
Tgt Ion:142 Resp: 54790

Ion Ratio Lower Upper

142 100

127 42.8 34.7 52.1

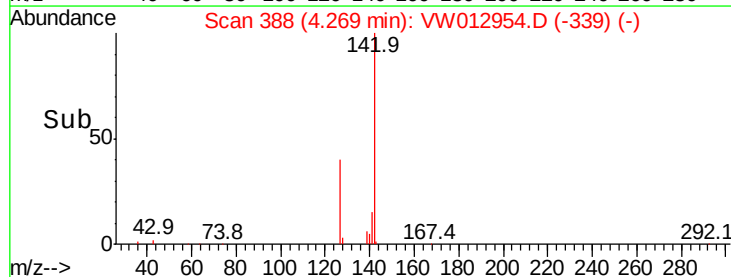
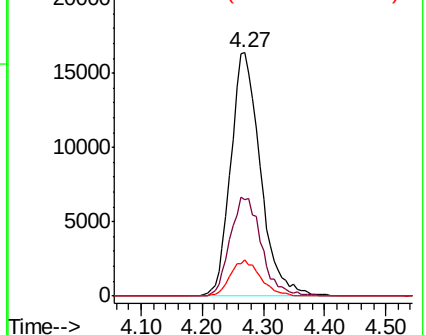
141 15.0 12.2 18.2

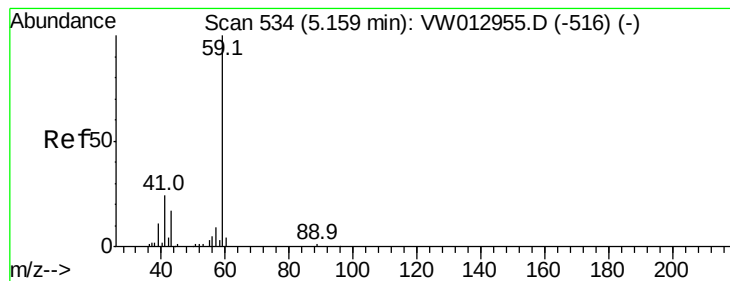


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 50.618 ug/l

RT: 5.17 min Scan# 536

Delta R.T. 0.01 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

Instrument :

MSVOA_W

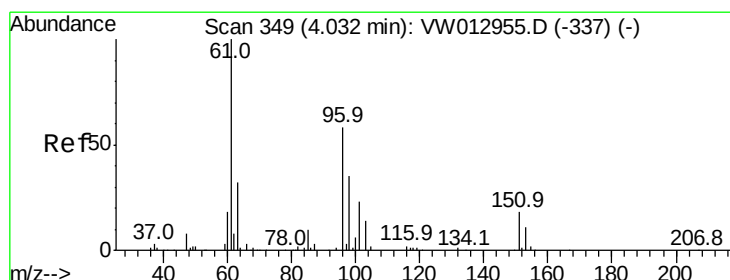
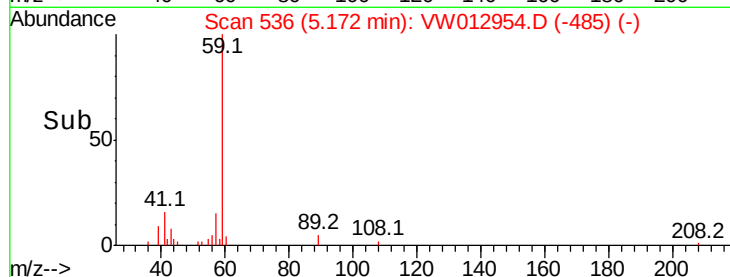
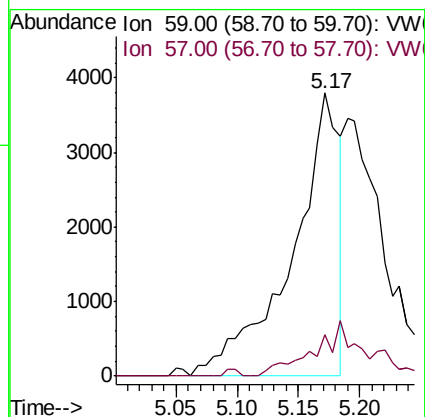
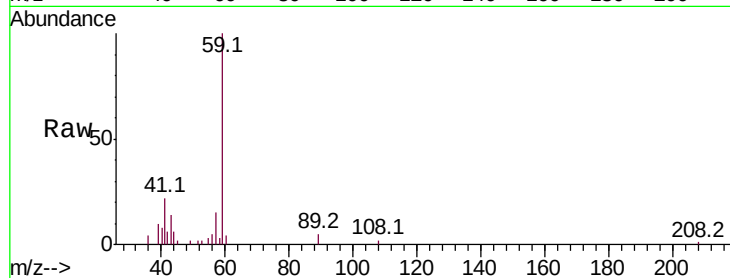
ClientSampleId :

Tot Ion: 59 Resp: 10154

Ion Ratio Lower Upper

59 100

57 16.6 8.5 12.7#



#12

1,1-Dichloroethene

Concen: 20.088 ug/l

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

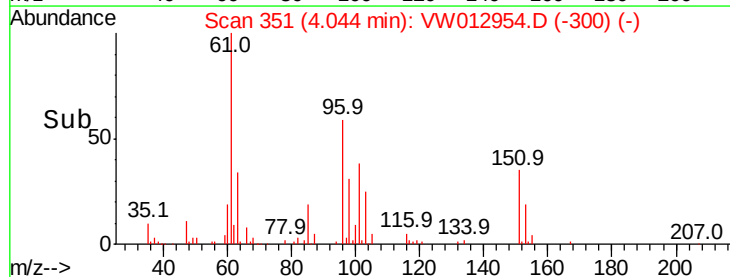
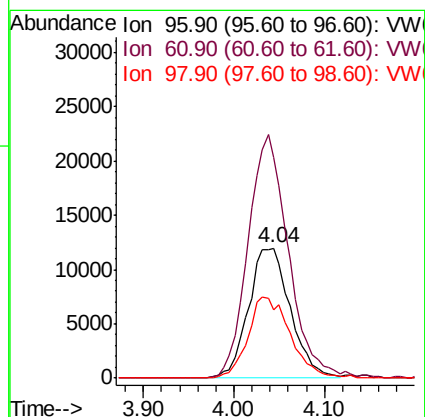
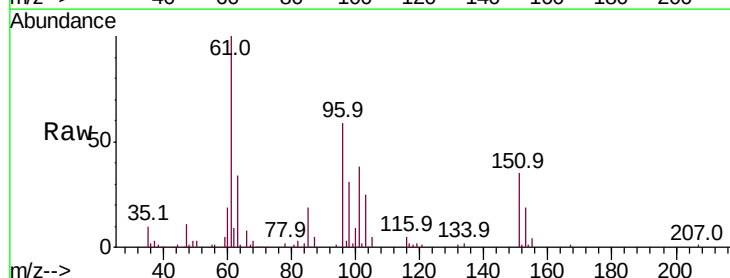
Tgt Ion: 96 Resp: 38425

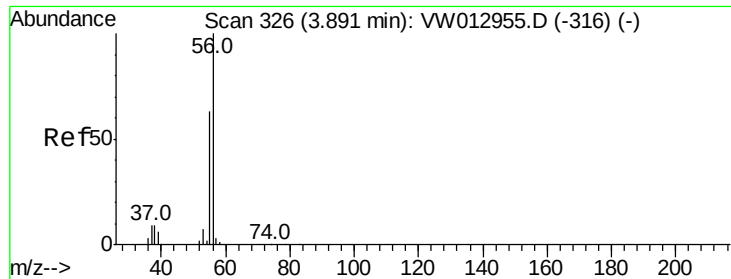
Ion Ratio Lower Upper

96 100

61 170.2 137.9 206.9

98 52.6 48.9 73.3





#13

Acrolein

Concen: 101.390 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

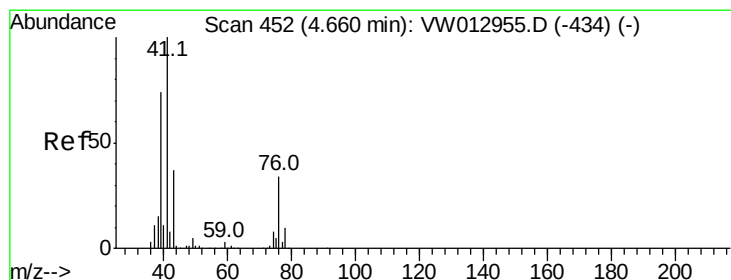
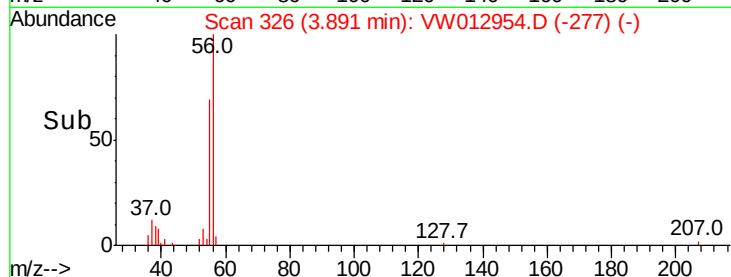
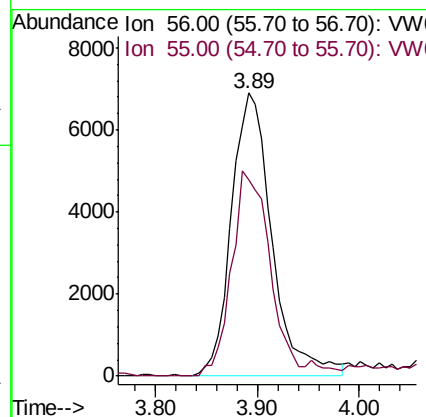
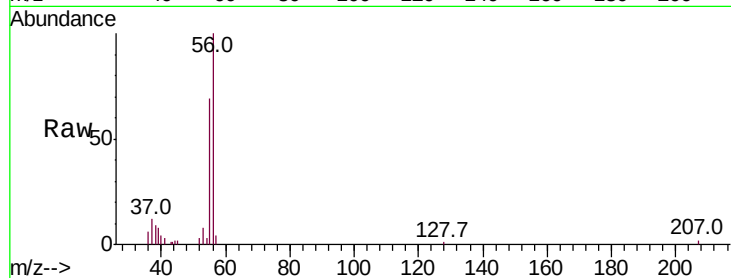
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 19035

Ion Ratio Lower Upper

56 100

55 68.1 55.8 83.8



#14

Allyl chloride

Concen: 19.643 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

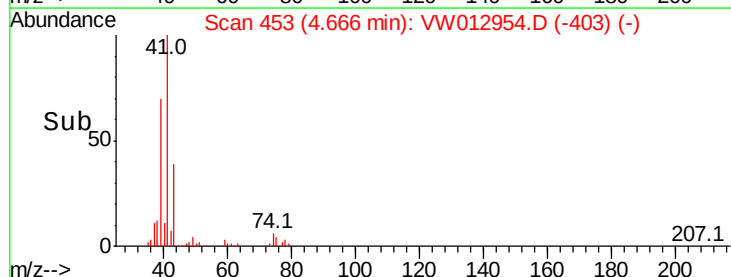
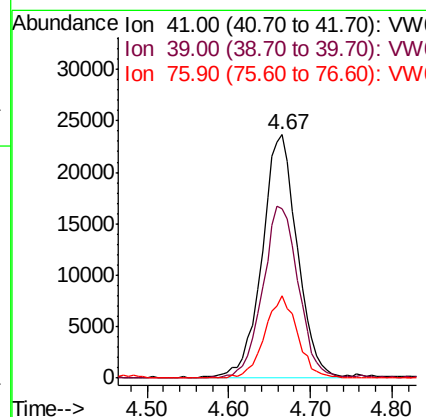
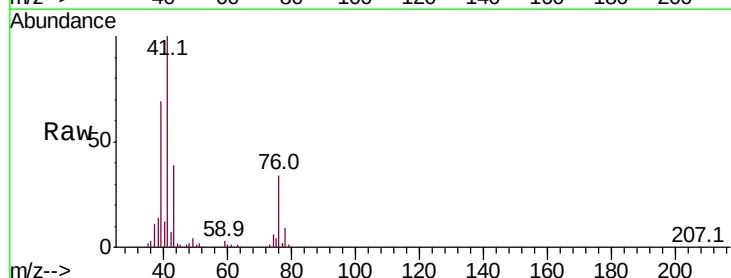
Tgt Ion: 41 Resp: 71331

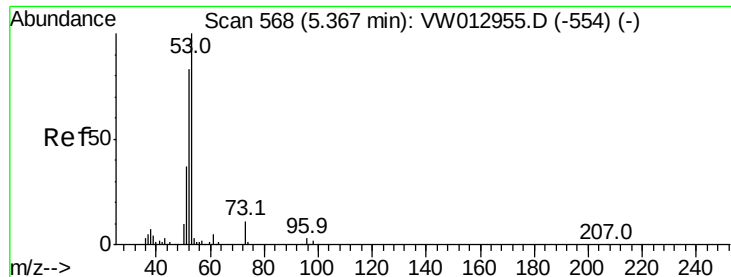
Ion Ratio Lower Upper

41 100

39 71.4 56.7 85.1

76 31.3 25.1 37.7





#15

Acrylonitrile

Concen: 93.806 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

Instrument :

MSVOA_W

ClientSampled :

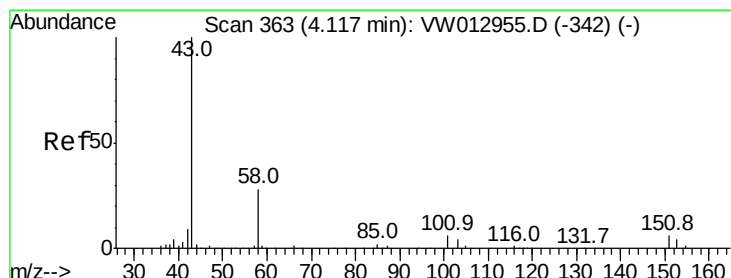
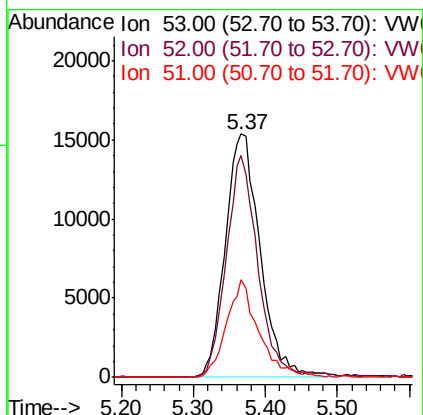
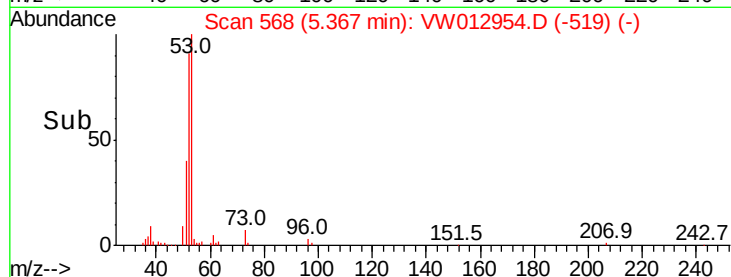
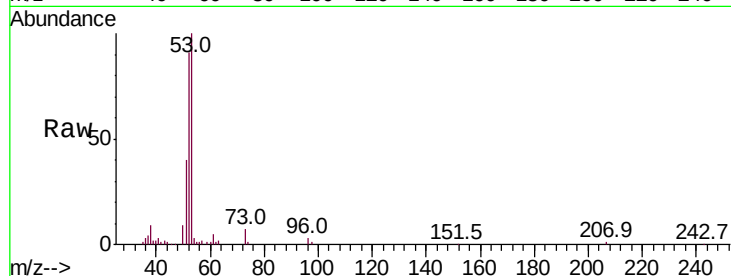
Tot Ion: 53 Resp: 51891

Ion Ratio Lower Upper

53 100

52 81.6 66.6 100.0

51 36.9 29.8 44.8



#16

Acetone

Concen: 85.692 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW012954.D

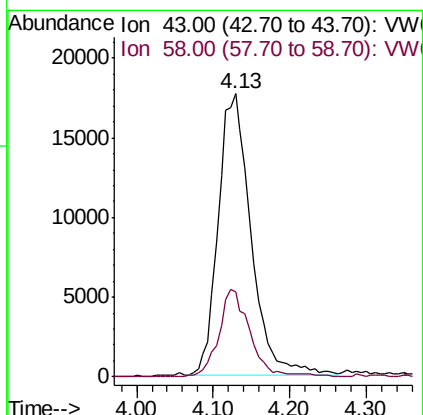
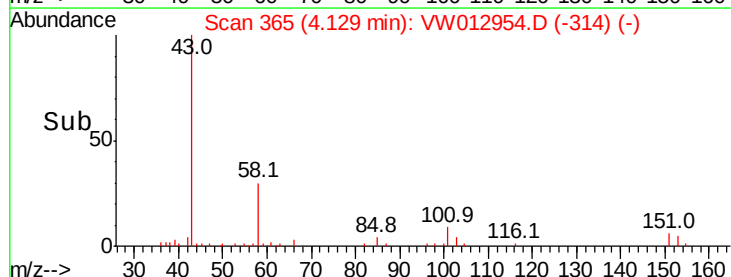
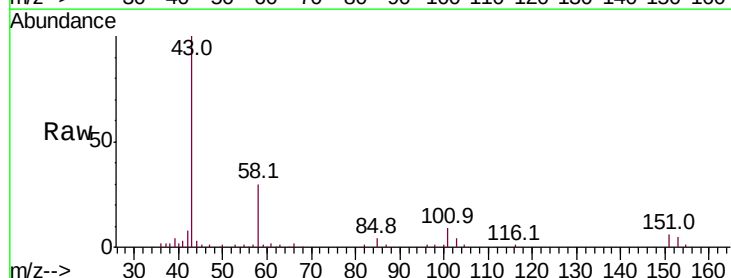
Acq: 13 Sep 2019 14:58

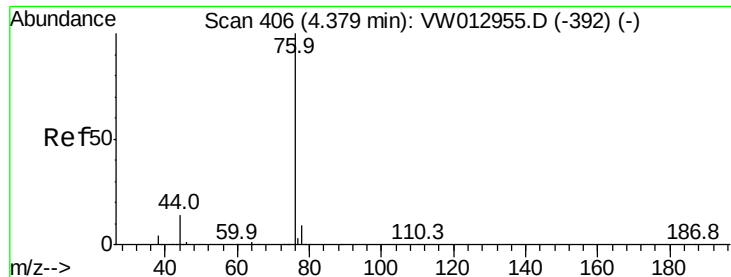
Tgt Ion: 43 Resp: 52100

Ion Ratio Lower Upper

43 100

58 30.3 22.3 33.5





#17

Carbon Disulfide

Concen: 21.367 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

Instrument :

MSVOA_W

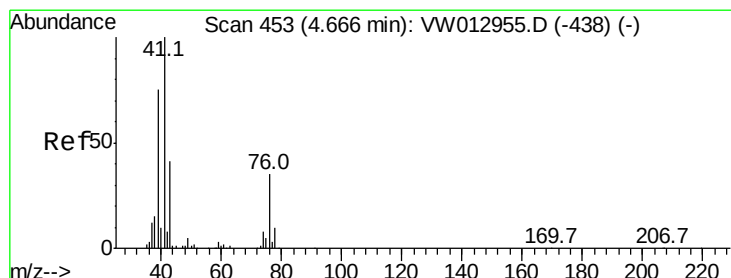
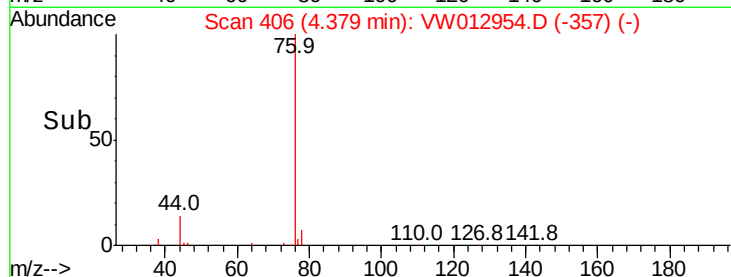
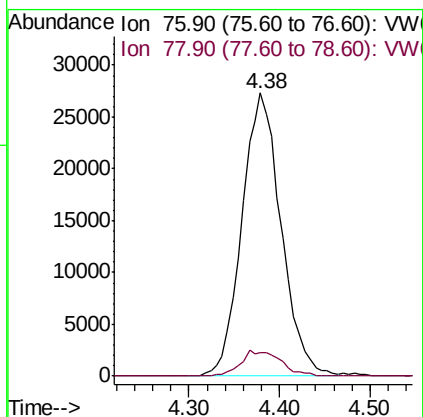
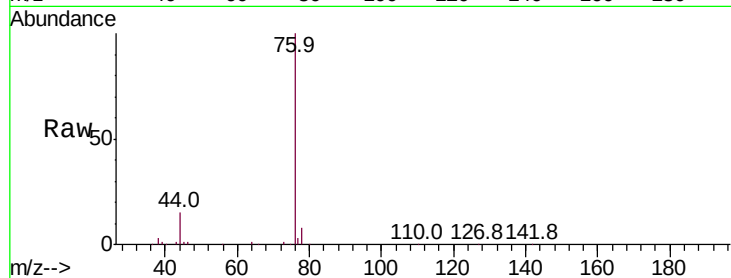
ClientSampleId :

Tot Ion: 76 Resp: 81449

Ion Ratio Lower Upper

76 100

78 8.4 7.0 10.4



#18

Methyl Acetate

Concen: 18.017 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW012954.D

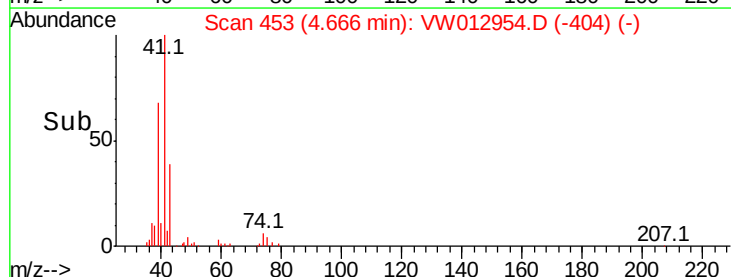
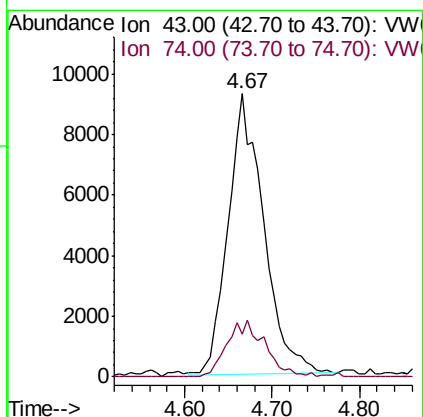
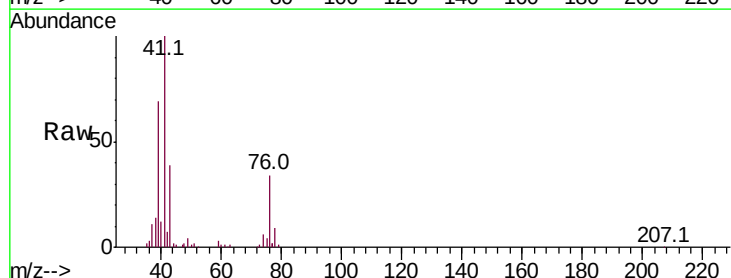
Acq: 13 Sep 2019 14:58

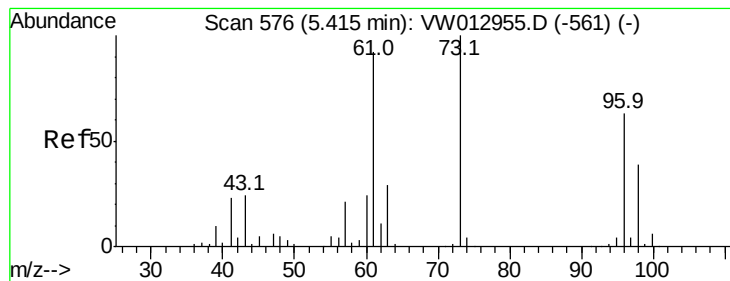
Tgt Ion: 43 Resp: 26271

Ion Ratio Lower Upper

43 100

74 21.4 17.8 26.8



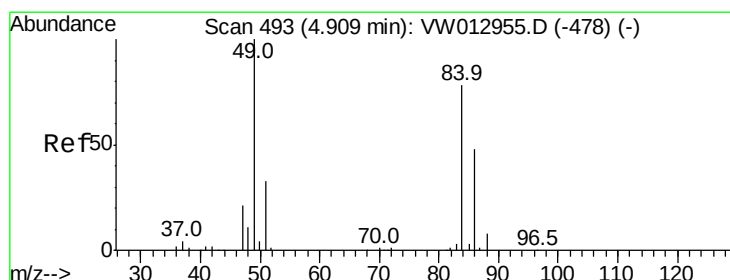
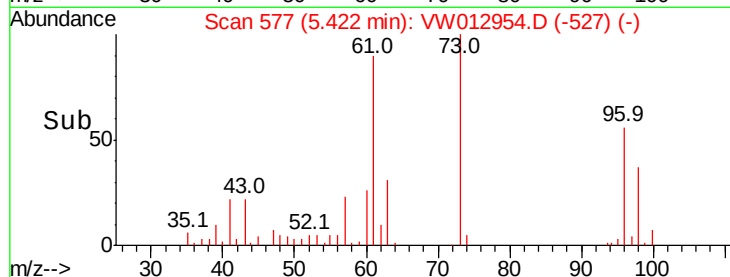
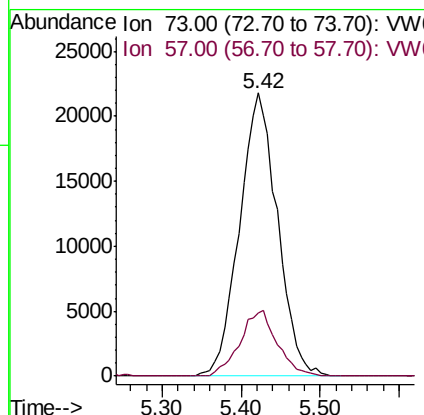
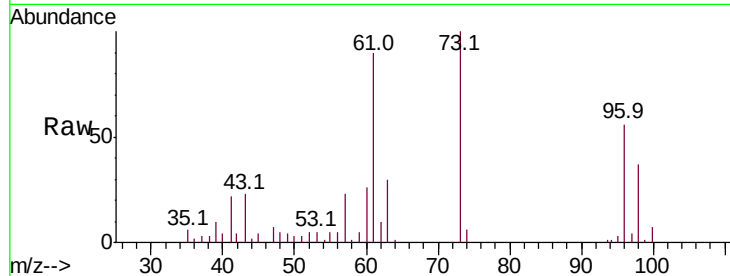


#19

Methyl tert-butyl Ether
 Concen: 19.251 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. 0.01 min
 Lab File: VW012954.D
 Acq: 13 Sep 2019 14:58

Instrument :
 MSVOA_W
 ClientSampleId :

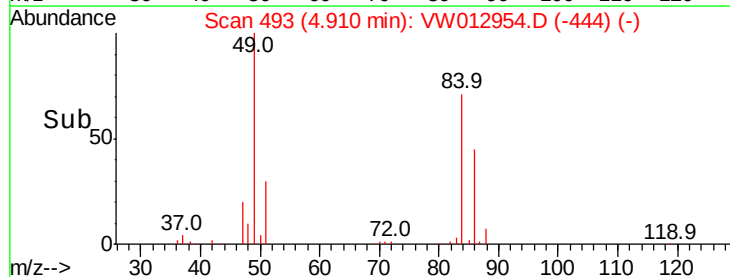
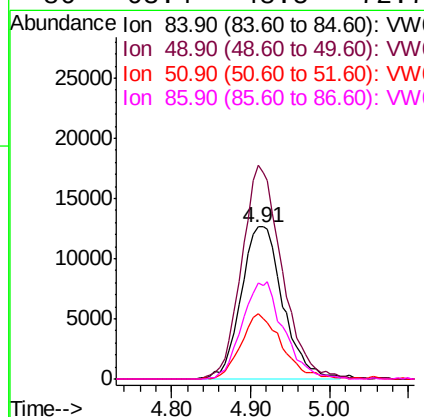
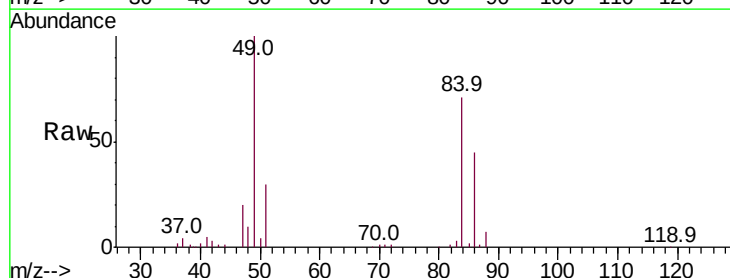
Tot Ion: 73 Resp: 72689
 Ion Ratio Lower Upper
 73 100
 57 22.5 16.4 24.6

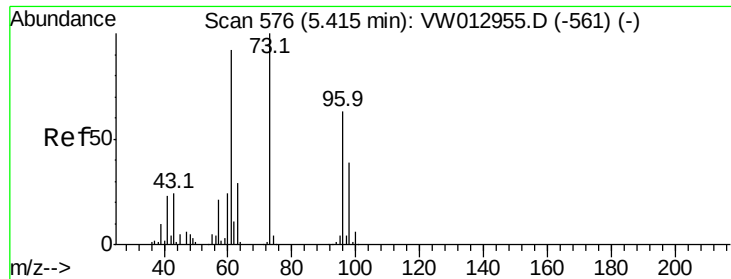


#20

Methylene Chloride
 Concen: 19.337 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. 0.00 min
 Lab File: VW012954.D
 Acq: 13 Sep 2019 14:58

Tgt Ion: 84 Resp: 46518
 Ion Ratio Lower Upper
 84 100
 49 140.3 102.0 153.0
 51 42.5 34.0 51.0
 86 63.4 48.5 72.7





#21

trans-1,2-Dichloroethene

Concen: 19.429 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

Instrument :

MSVOA_W

ClientSampled :

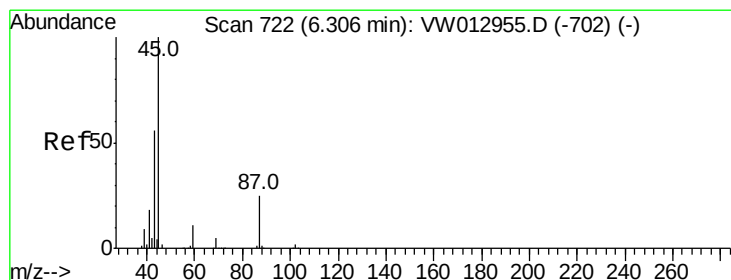
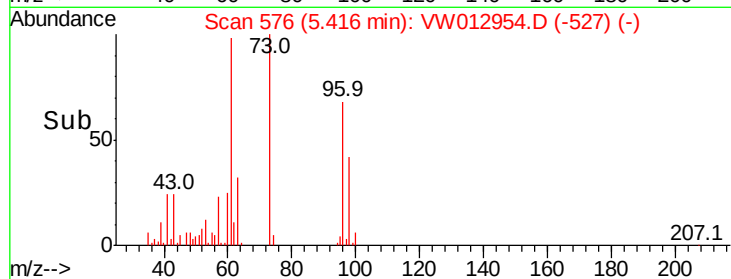
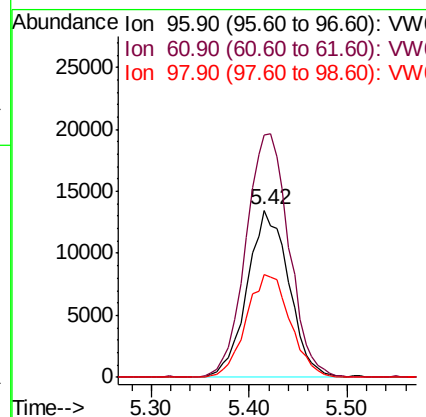
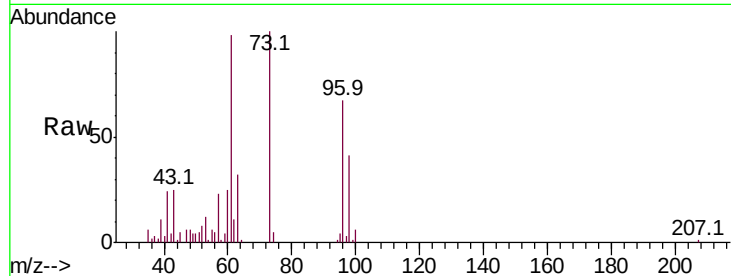
Tot Ion: 96 Resp: 39804

Ion Ratio Lower Upper

96 100

61 145.3 116.2 174.2

98 61.5 49.8 74.6



#22

Diisopropyl ether

Concen: 19.377 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

Tgt Ion: 45 Resp: 146179

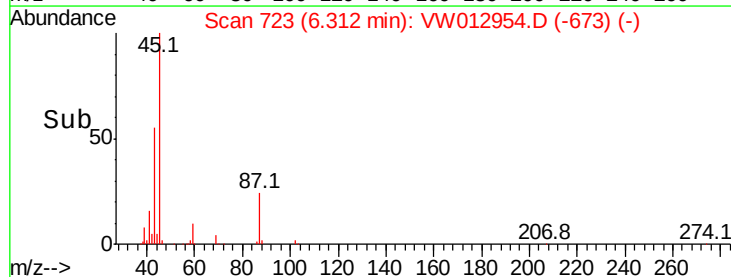
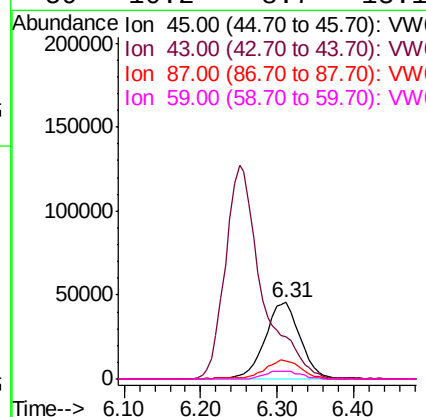
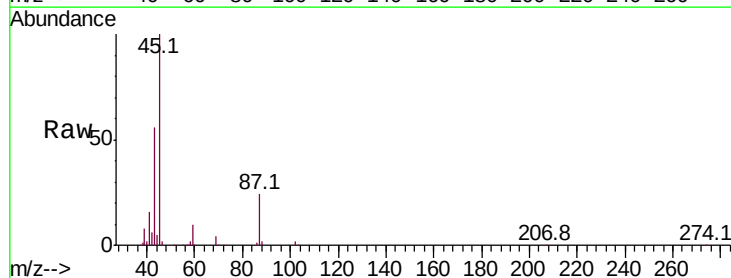
Ion Ratio Lower Upper

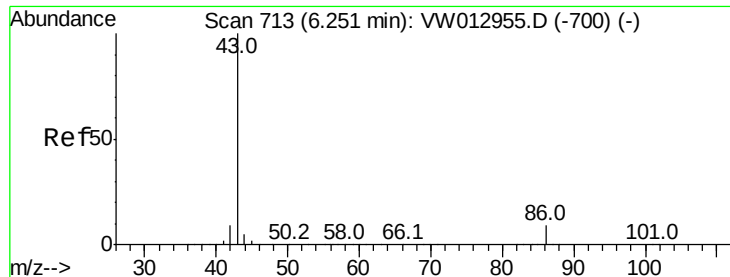
45 100

43 55.0 44.6 67.0

87 23.7 20.0 30.0

59 10.2 8.7 13.1





#23

Vinyl Acetate

Concen: 93.551 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

Instrument :

MSVOA_W

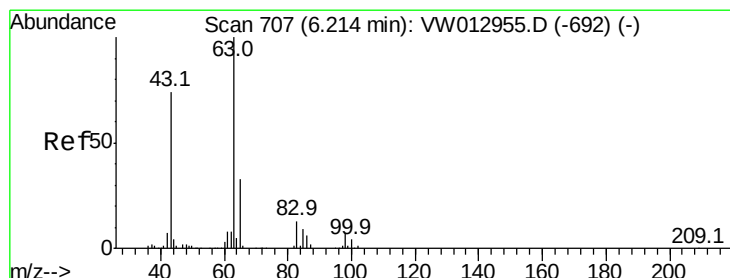
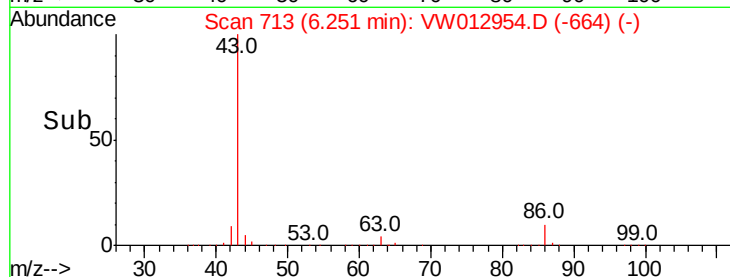
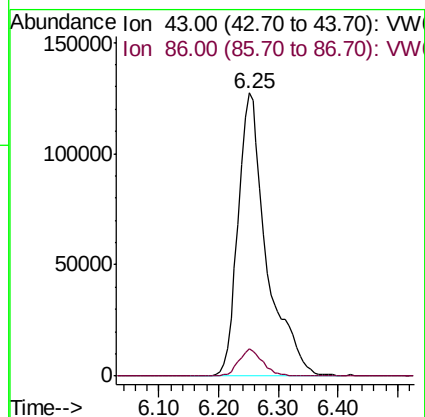
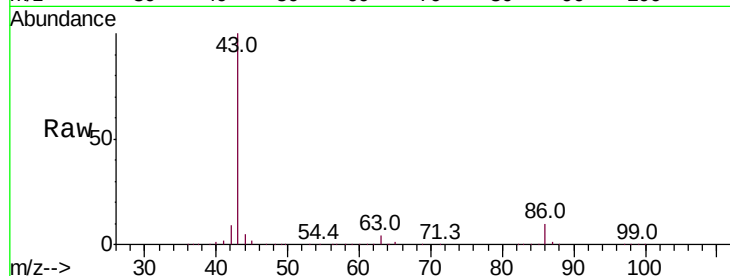
ClientSampled :

Tot Ion: 43 Resp: 422700

Ion Ratio Lower Upper

43 100

86 9.7 7.0 10.6



#24

1,1-Dichloroethane

Concen: 19.394 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

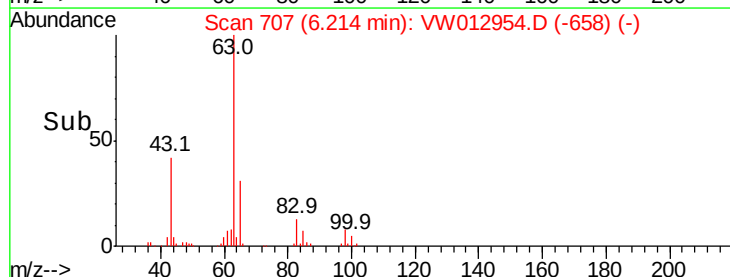
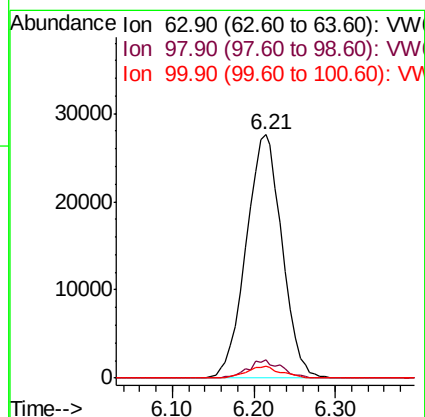
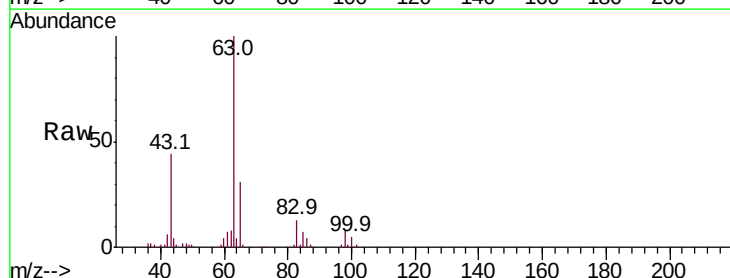
Tgt Ion: 63 Resp: 84357

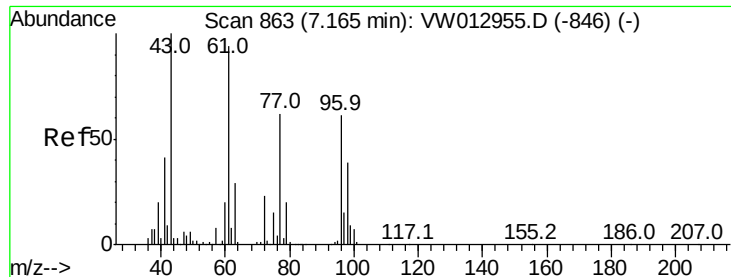
Ion Ratio Lower Upper

63 100

98 7.6 3.3 9.9

100 5.1 1.8 5.5





#25

2-Butanone

Concen: 92.408 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

Instrument :

MSVOA_W

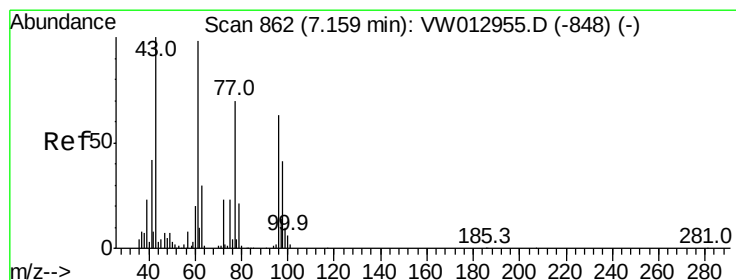
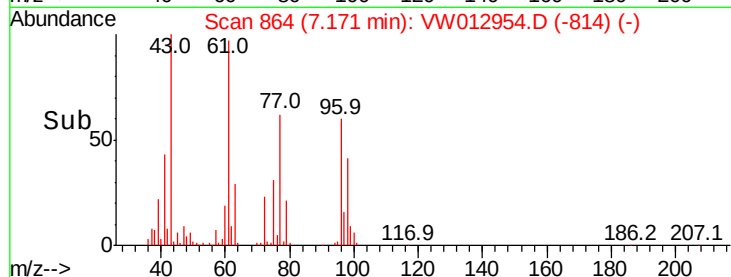
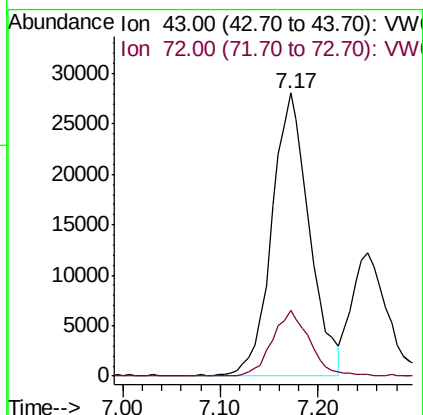
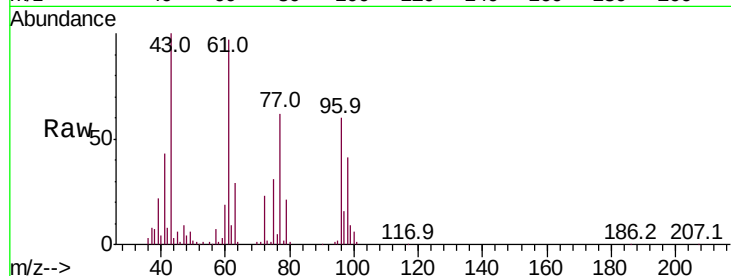
ClientSampled :

Tot Ion: 43 Resp: 75204

Ion Ratio Lower Upper

43 100

72 23.4 18.2 27.4



#26

2,2-Dichloropropane

Concen: 18.928 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW012954.D

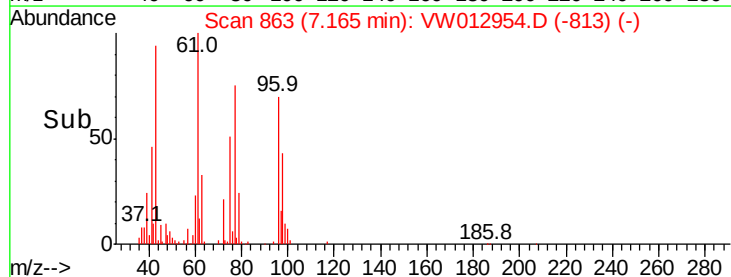
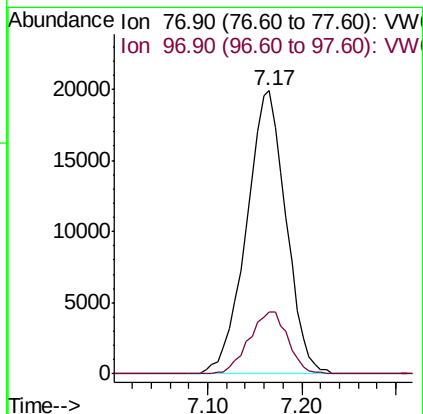
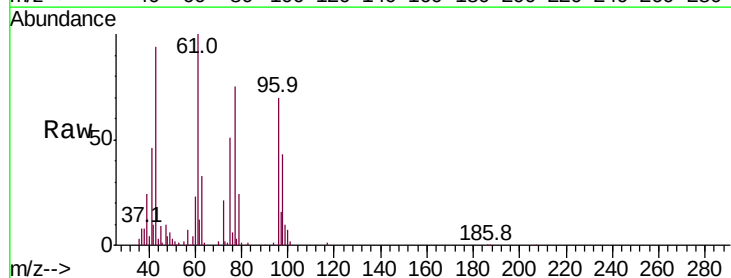
Acq: 13 Sep 2019 14:58

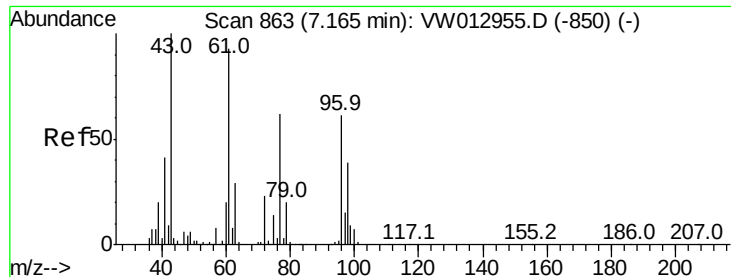
Tgt Ion: 77 Resp: 58379

Ion Ratio Lower Upper

77 100

97 21.6 10.7 32.1



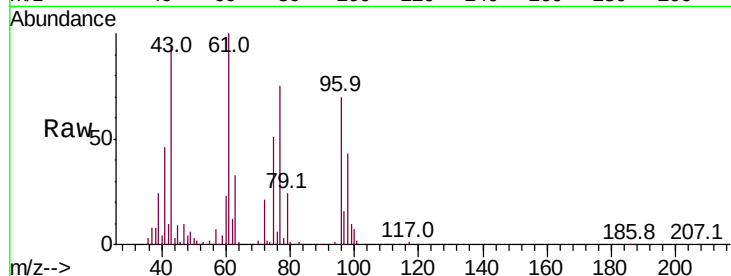


#27

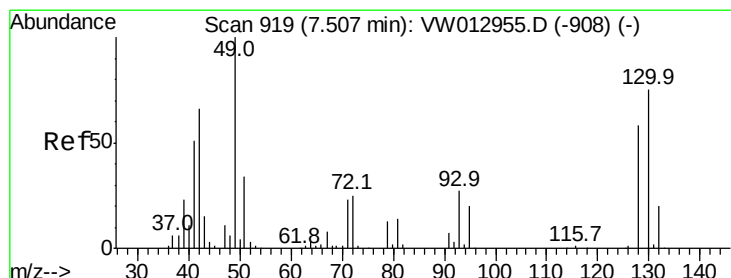
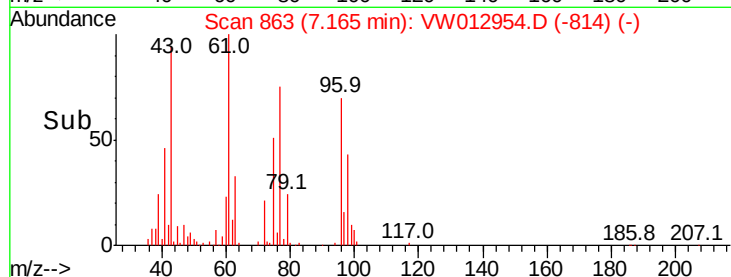
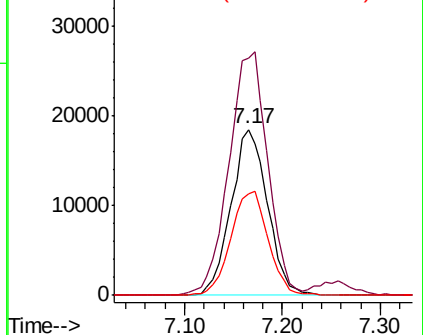
cis-1,2-Dichloroethene
Concen: 19.495 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW012954.D
Acq: 13 Sep 2019 14:58

Instrument :
MSVOA_W
ClientSampled :

Tot Ion	Ratio	Lower	Upper
96	100		
61	156.7	0.0	315.4
98	64.3	0.0	131.0



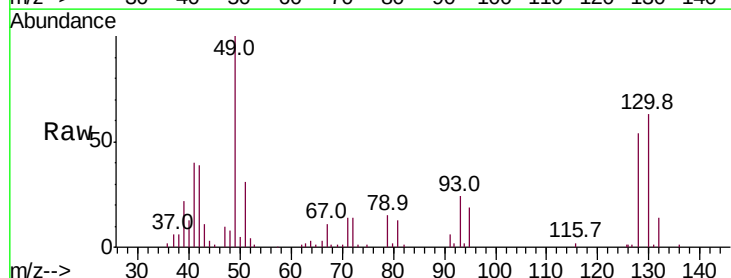
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



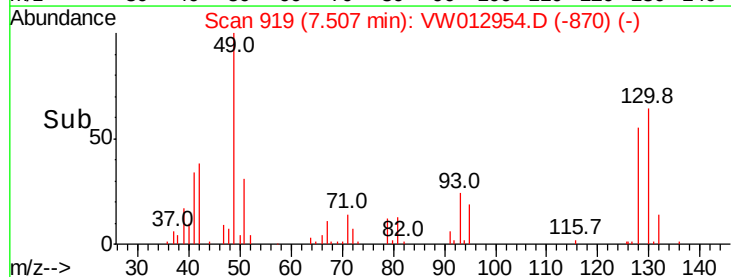
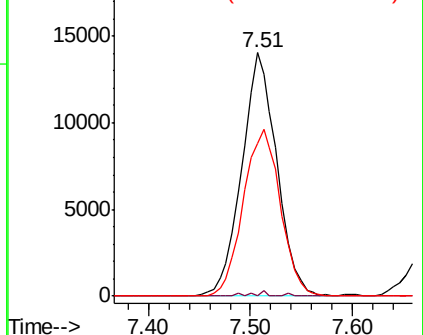
#28

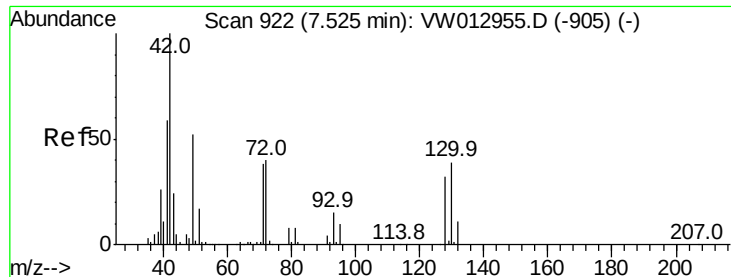
Bromochloromethane
Concen: 18.297 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW012954.D
Acq: 13 Sep 2019 14:58

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	1.4
130	72.6	57.8	86.6



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

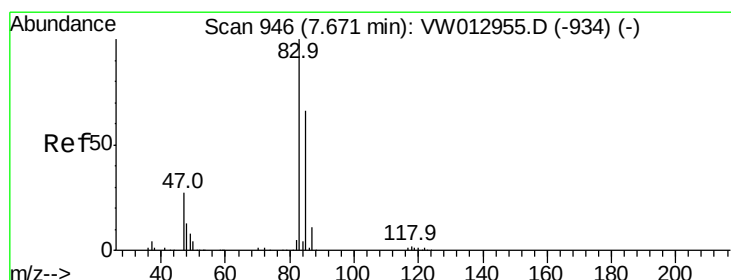
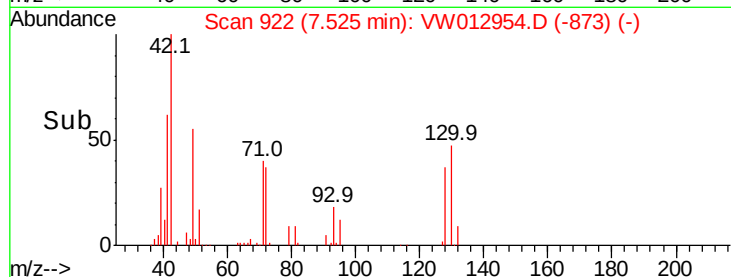
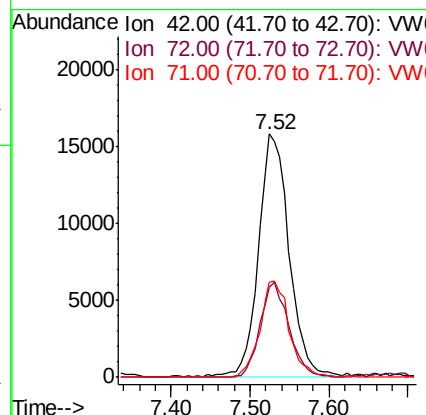
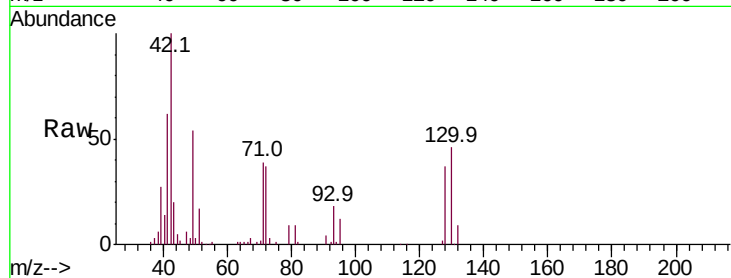




#29
Tetrahydrofuran
Concen: 92.753 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW012954.D
Acq: 13 Sep 2019 14:58

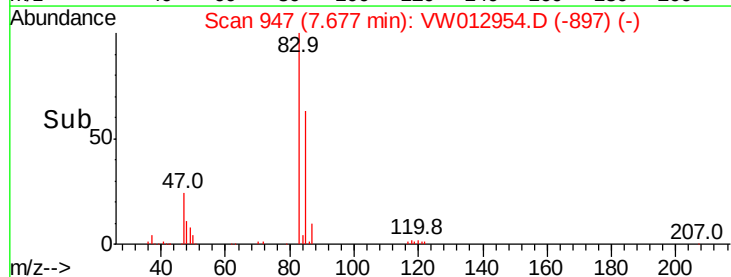
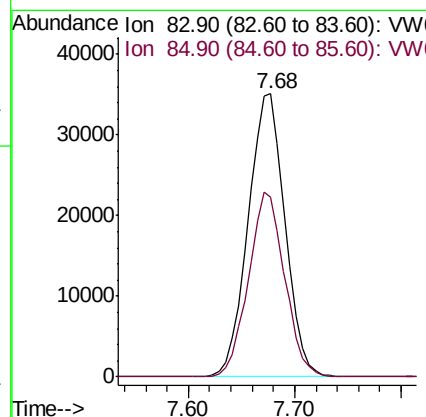
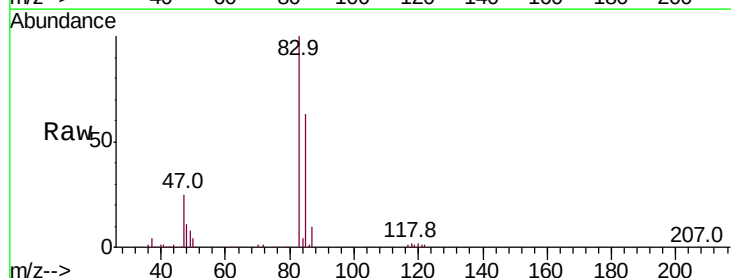
Instrument :
MSVOA_W
ClientSampled :

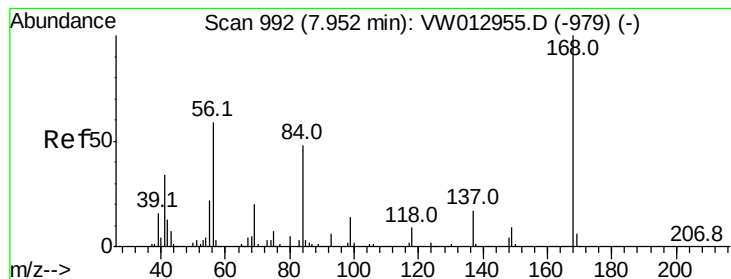
Tot Ion: 42 Resp: 43010
Ion Ratio Lower Upper
42 100
72 36.7 31.4 47.0
71 37.6 29.8 44.8



#30
Chloroform
Concen: 19.288 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW012954.D
Acq: 13 Sep 2019 14:58

Tgt Ion: 83 Resp: 85243
Ion Ratio Lower Upper
83 100
85 63.5 52.8 79.2





#31

Cyclohexane

Concen: 19.588 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

Instrument :
MSVOA_W
ClientSampled :

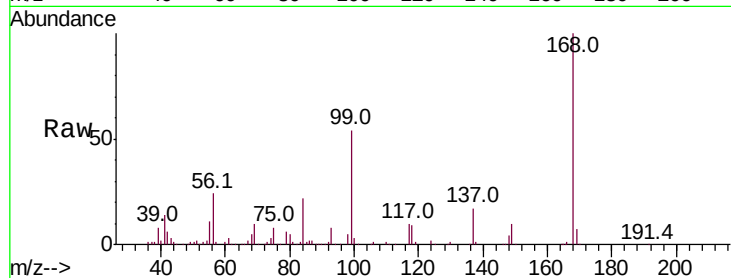
Tot Ion: 56 Resp: 72592

Ion Ratio Lower Upper

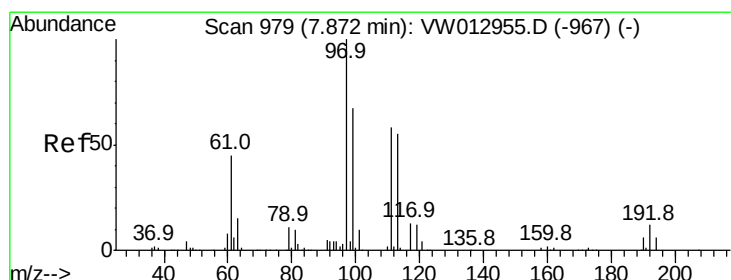
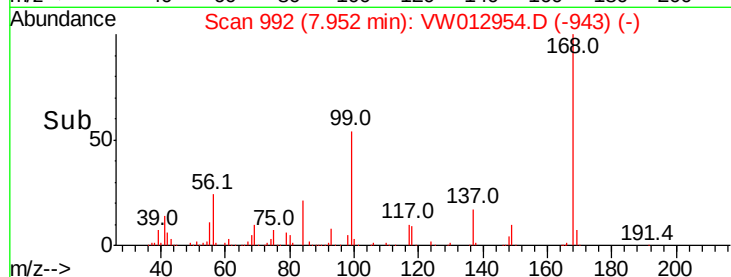
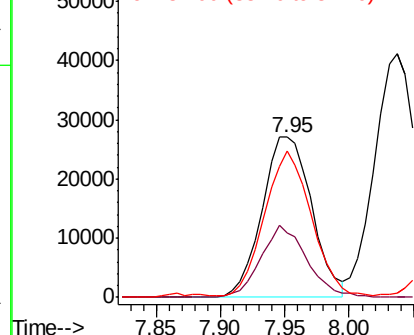
56 100

69 40.1 27.0 40.6

84 89.5 66.2 99.2



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



#32

1,1,1-Trichloroethane

Concen: 19.423 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

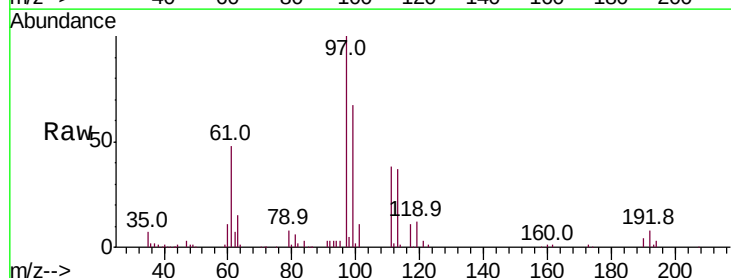
Tgt Ion: 97 Resp: 70692

Ion Ratio Lower Upper

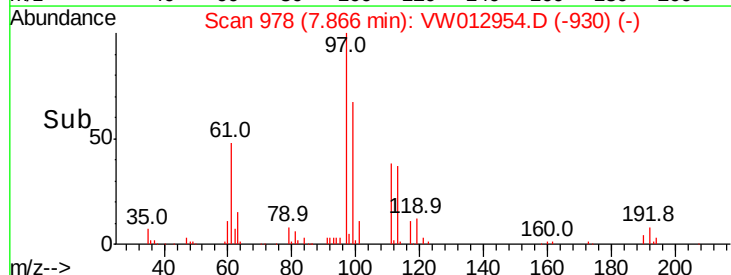
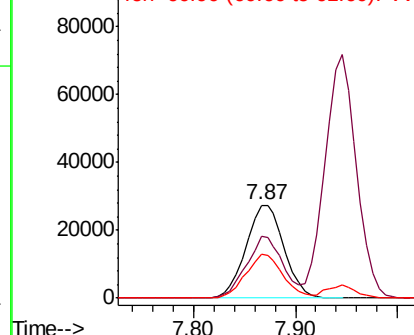
97 100

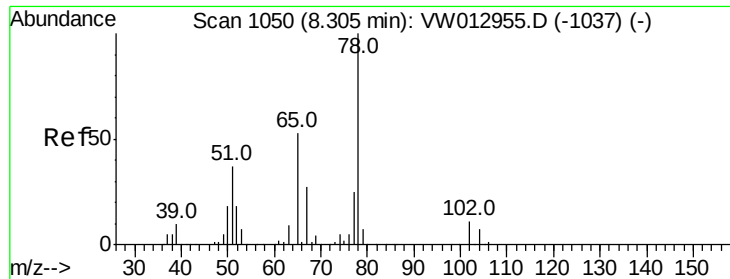
99 63.1 53.0 79.4

61 46.1 36.5 54.7



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

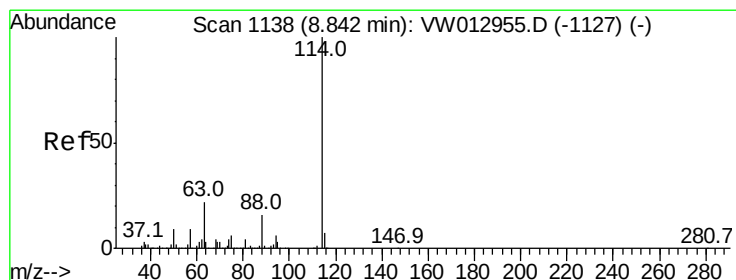
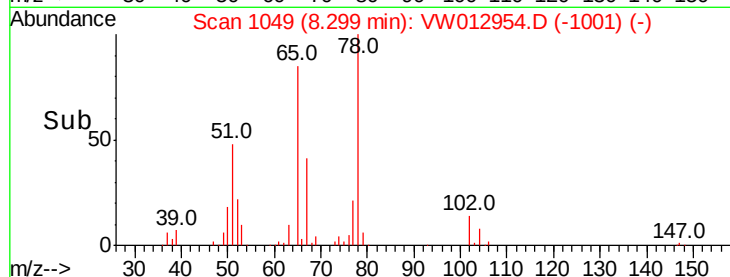
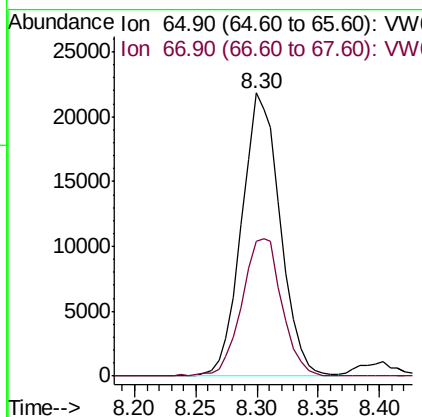
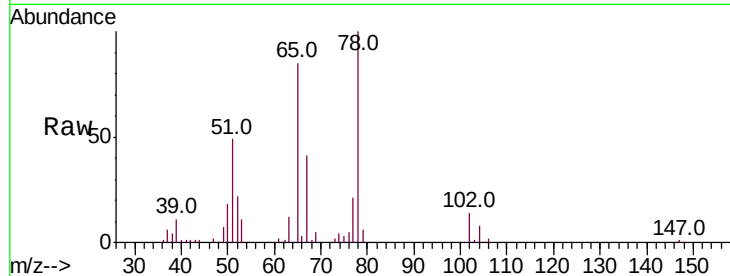




#33
 1,2-Dichloroethane-d4
 Concen: 18.669 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW012954.D
 Acq: 13 Sep 2019 14:58

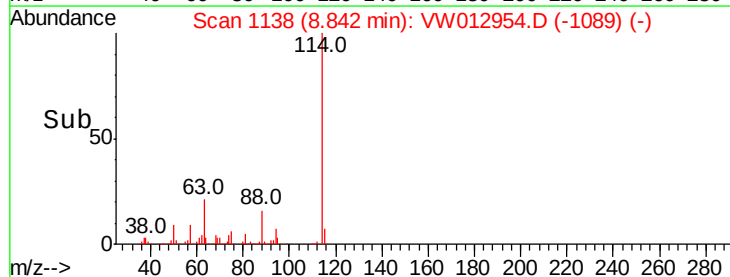
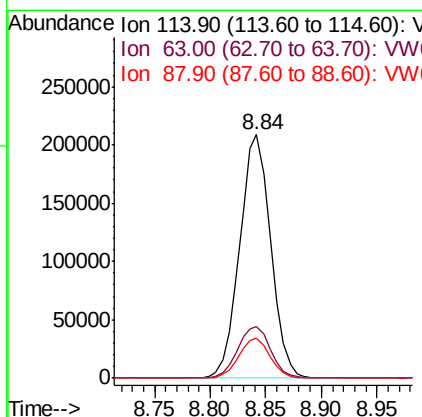
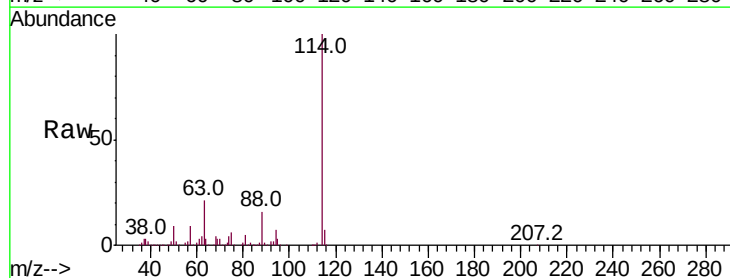
Instrument :
 MSVOA_W
 ClientSampleId :

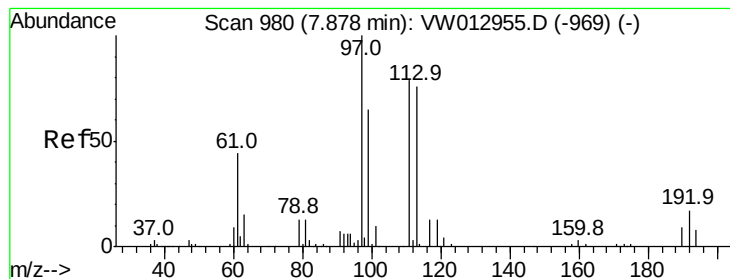
Tot Ion: 65 Resp: 47782
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012954.D
 Acq: 13 Sep 2019 14:58

Tgt Ion: 114 Resp: 403726
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 43.4
 88 16.3 0.0 31.6





#35

Dibromofluoromethane

Concen: 19.047 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

Instrument :

MSVOA_W

ClientSampleId :

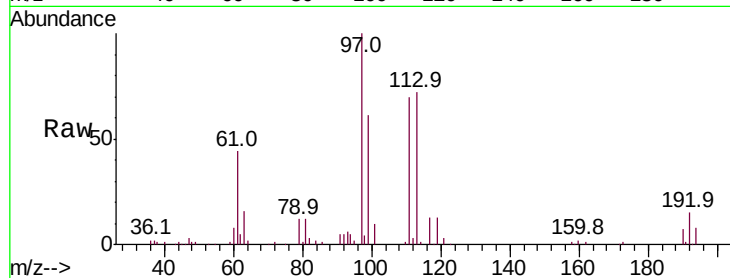
Tot Ion:113 Resp: 41726

Ion Ratio Lower Upper

113 100

111 102.0 82.8 124.2

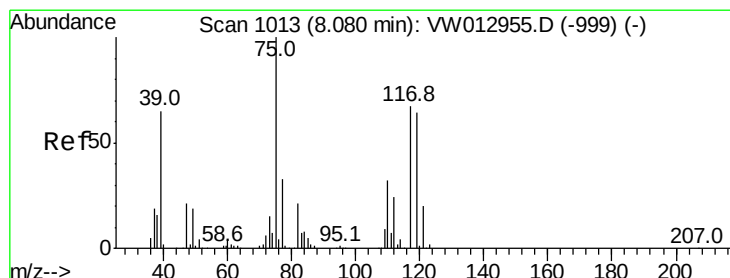
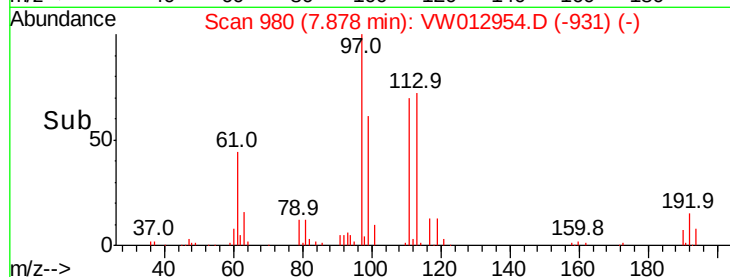
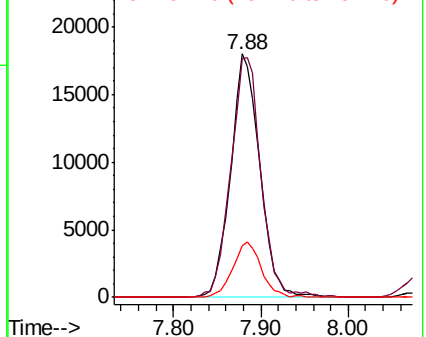
192 22.4 17.8 26.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.709 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

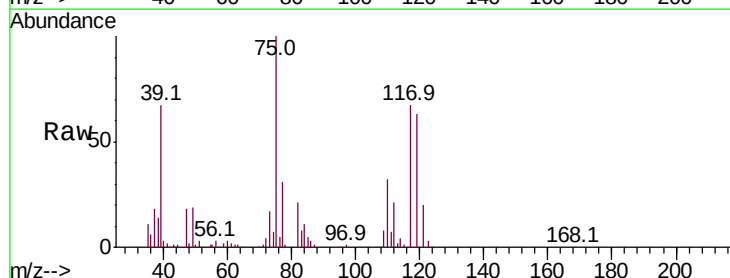
Tgt Ion: 75 Resp: 63584

Ion Ratio Lower Upper

75 100

110 33.0 16.4 49.1

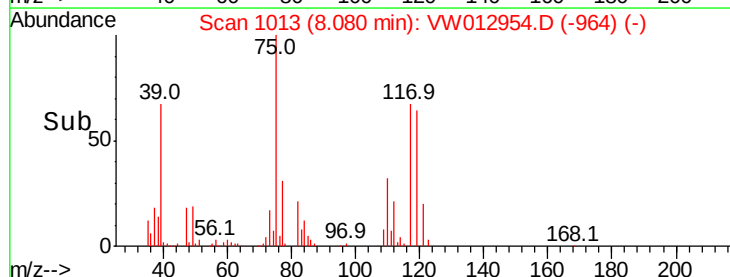
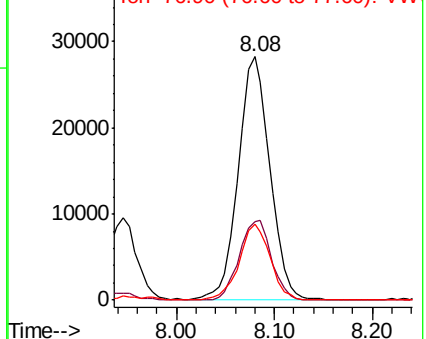
77 30.4 25.1 37.7

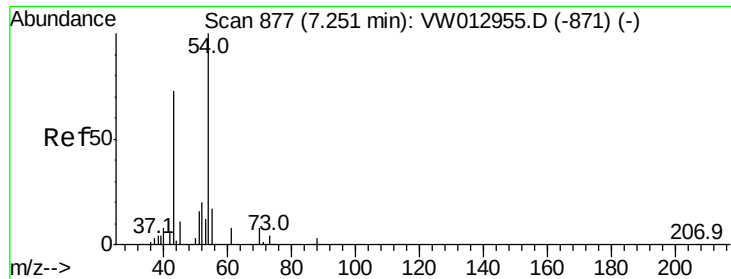


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

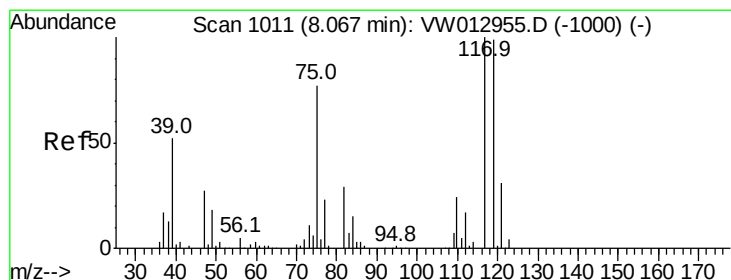
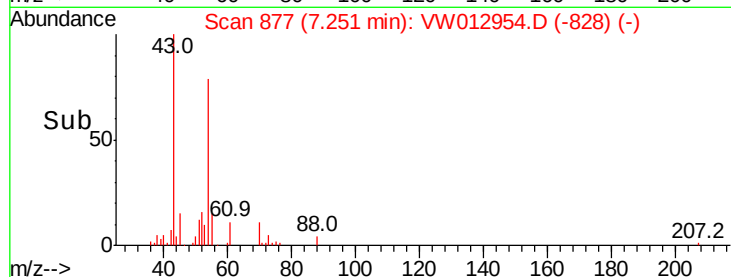
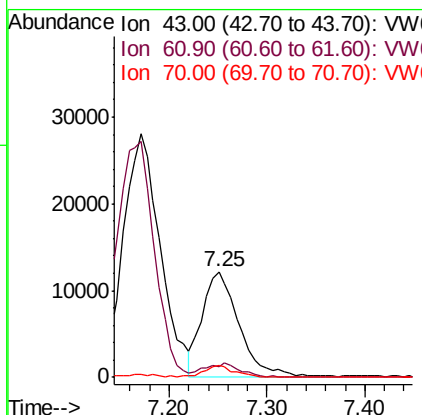
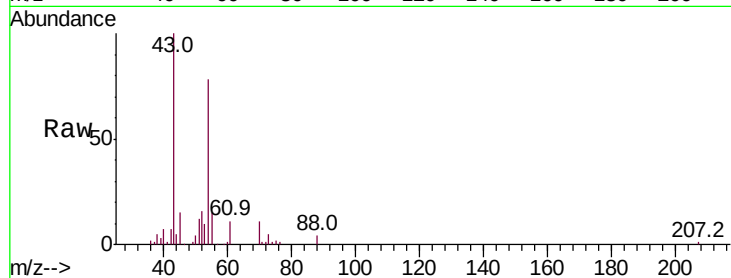




#37
Ethyl Acetate
Concen: 18.523 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW012954.D
Acq: 13 Sep 2019 14:58

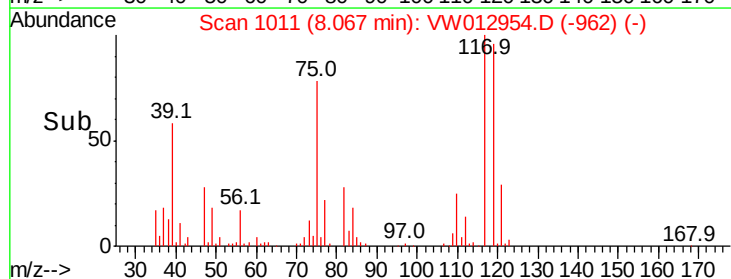
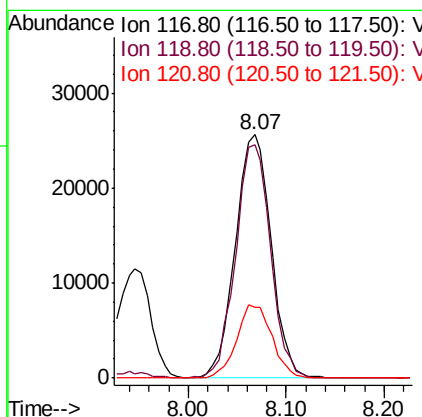
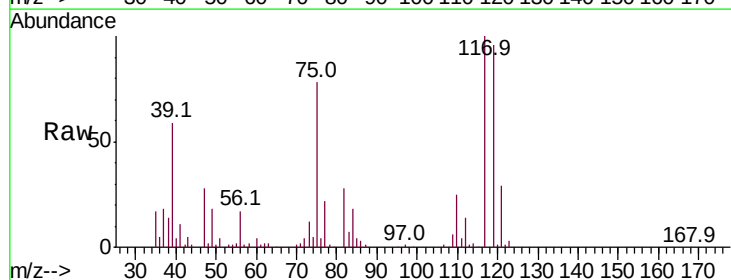
Instrument :
MSVOA_W
ClientSampled :

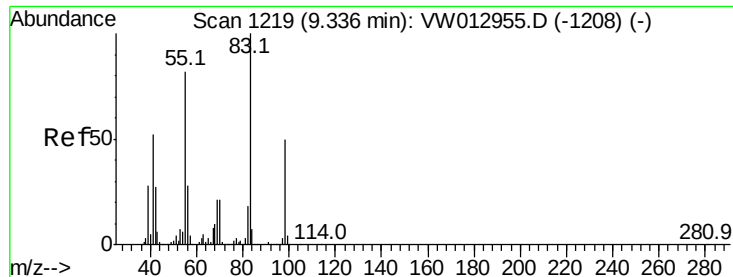
Tot Ion: 43 Resp: 31719
Ion Ratio Lower Upper
43 100
61 13.0 9.6 14.4
70 9.5 7.6 11.4



#38
Carbon Tetrachloride
Concen: 19.653 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW012954.D
Acq: 13 Sep 2019 14:58

Tgt Ion: 117 Resp: 64974
Ion Ratio Lower Upper
117 100
119 95.6 79.4 119.0
121 29.3 24.6 36.8

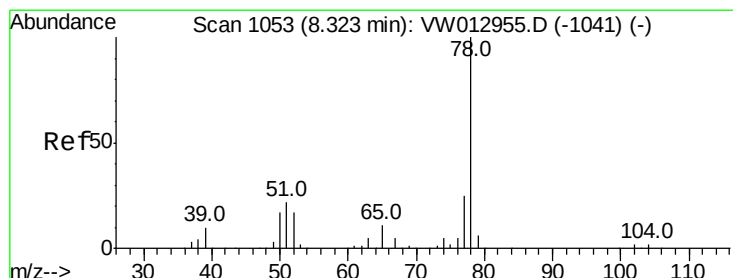
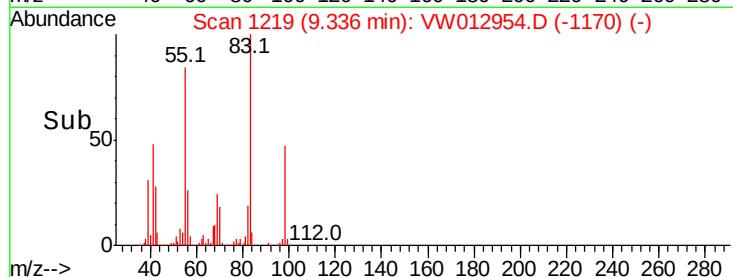
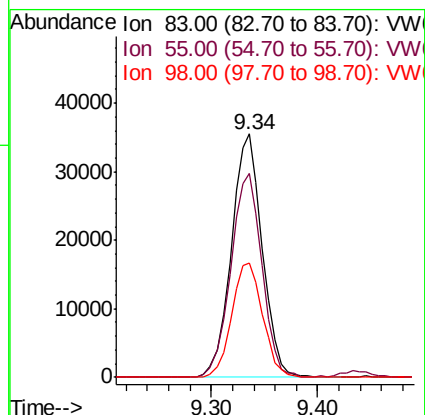
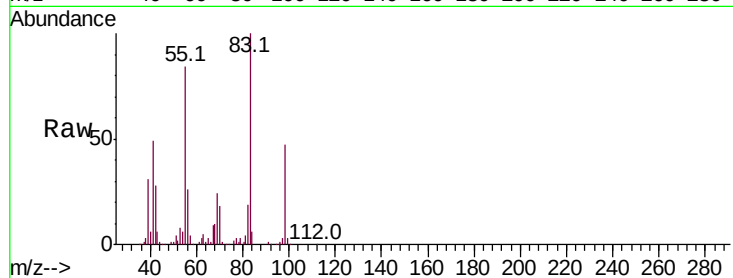




#39
Methylvlcyclohexane
Concen: 20.279 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW012954.D
Acq: 13 Sep 2019 14:58

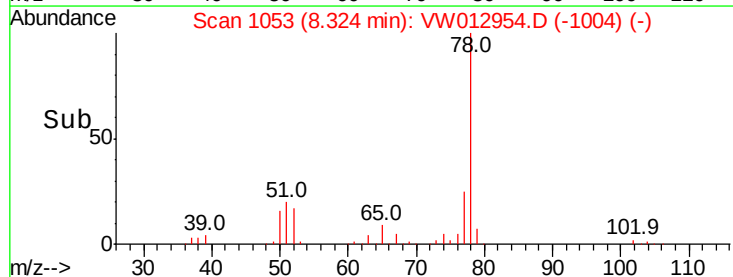
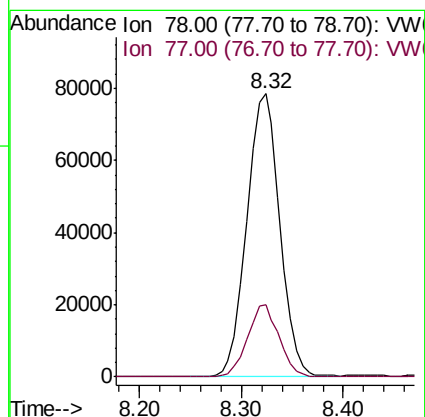
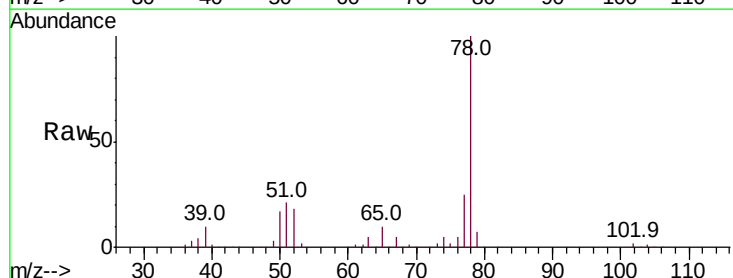
Instrument :
MSVOA_W
ClientSampleId :

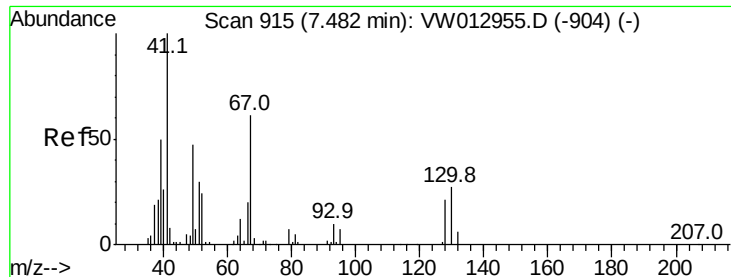
Tot Ion: 83 Resp: 71689
Ion Ratio Lower Upper
83 100
55 83.2 65.9 98.9
98 47.0 39.6 59.4



#40
Benzene
Concen: 19.686 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW012954.D
Acq: 13 Sep 2019 14:58

Tgt Ion: 78 Resp: 177293
Ion Ratio Lower Upper
78 100
77 25.3 19.6 29.4

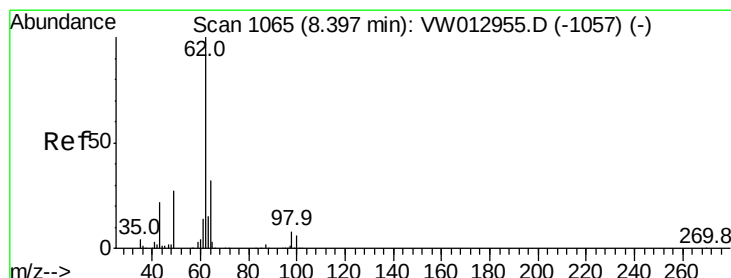
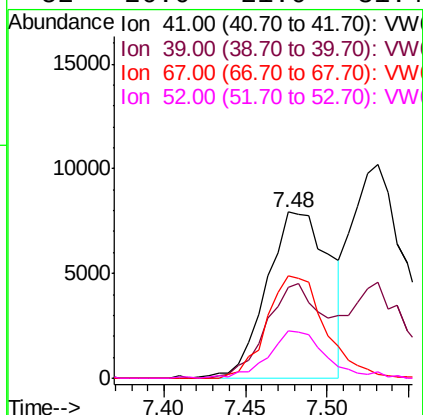
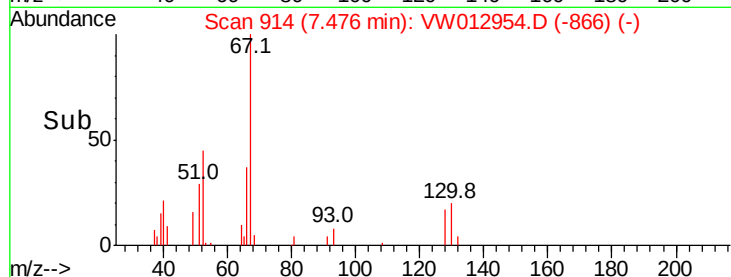
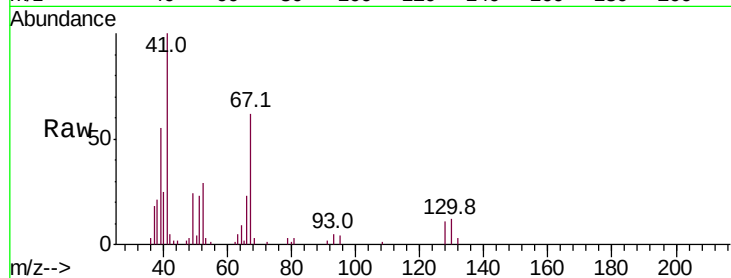




#41
Methacrylonitrile
Concen: 18.868 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW012954.D
Acq: 13 Sep 2019 14:58

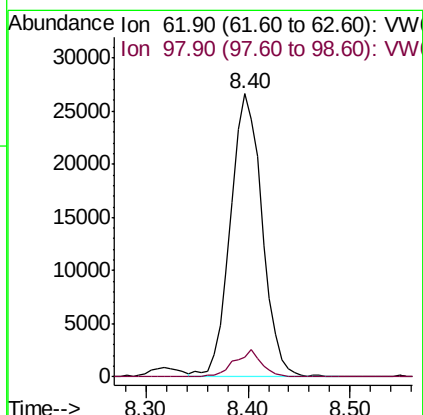
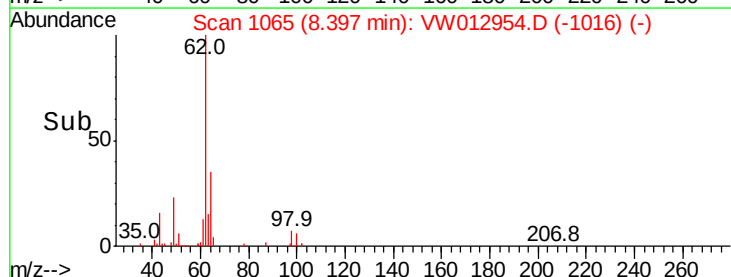
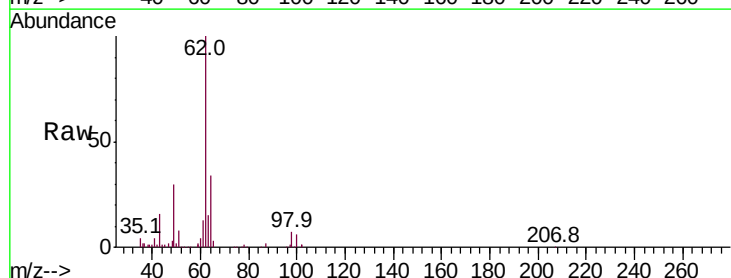
Instrument :
MSVOA_W
ClientSampled :

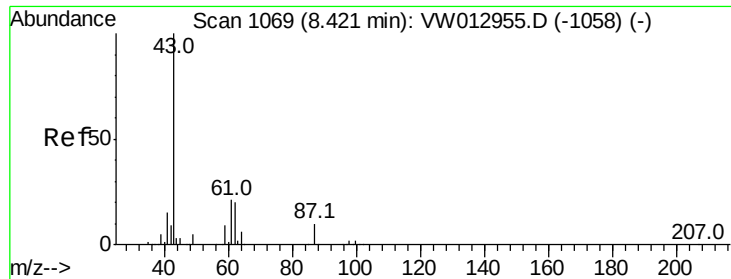
Tot Ion:	41	Resp:	21277
Ion	Ratio	Lower	Upper
41	100		
39	48.4	48.2	72.4
67	57.5	47.5	71.3
52	26.0	21.0	31.4



#42
1,2-Dichloroethane
Concen: 18.973 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW012954.D
Acq: 13 Sep 2019 14:58

Tgt Ion:	62	Resp:	57282
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.8





#43

Isopropyl Acetate

Concen: 17.746 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

Instrument :

MSVOA_W

ClientSampleId :

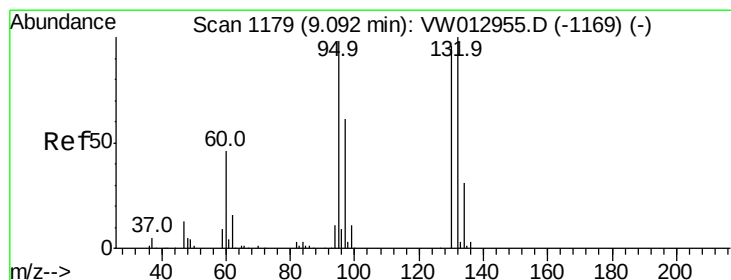
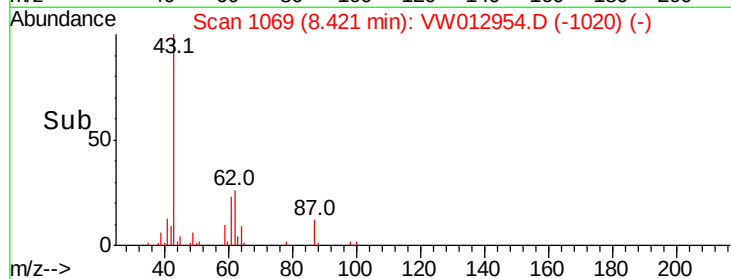
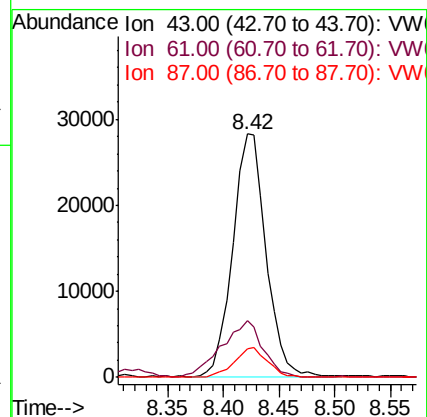
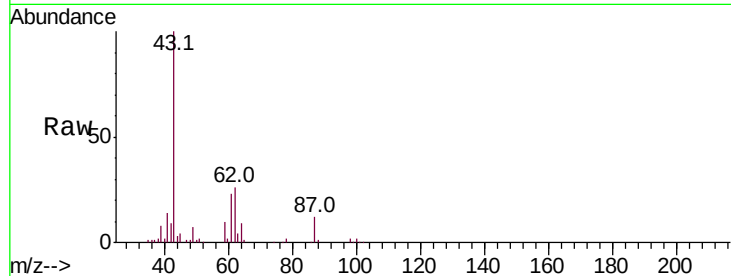
Tot Ion: 43 Resp: 58347

Ion Ratio Lower Upper

43 100

61 29.1 22.7 34.1

87 12.2 9.4 14.2



#44

Trichloroethene

Concen: 19.398 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW012954.D

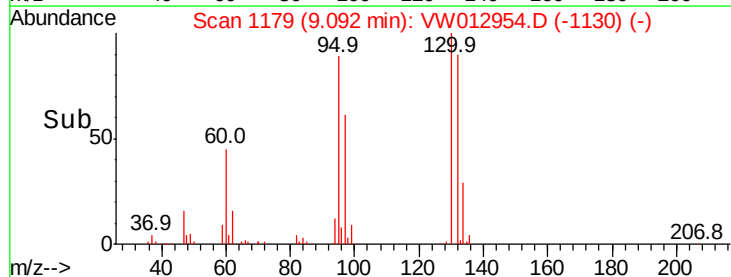
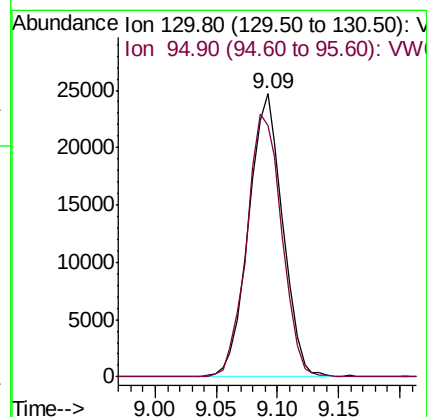
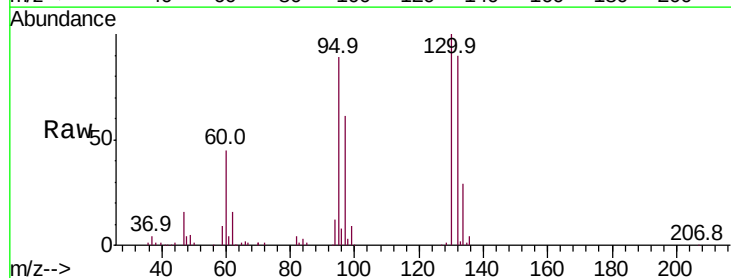
Acq: 13 Sep 2019 14:58

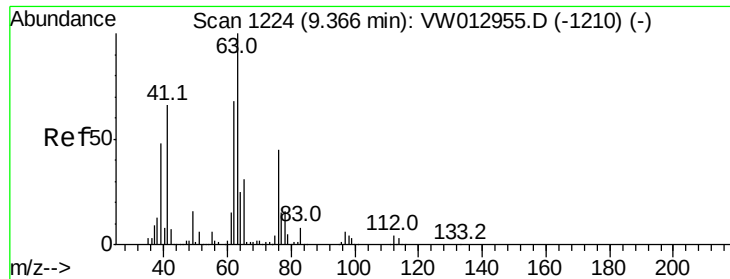
Tgt Ion: 130 Resp: 47852

Ion Ratio Lower Upper

130 100

95 88.6 0.0 204.4





#45

1,2-Dichloropropane

Concen: 19.105 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

Instrument :

MSVOA_W

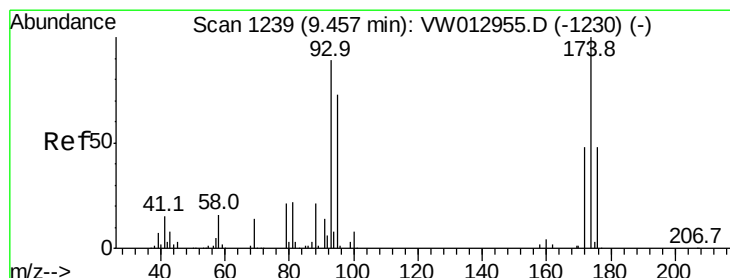
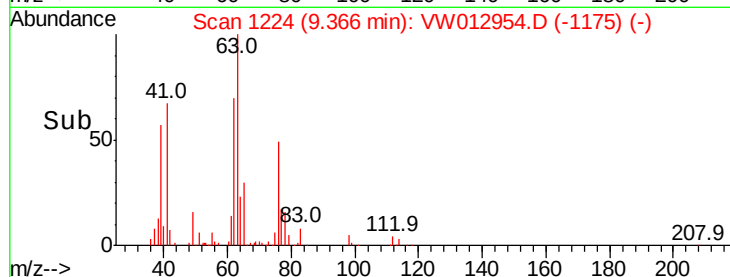
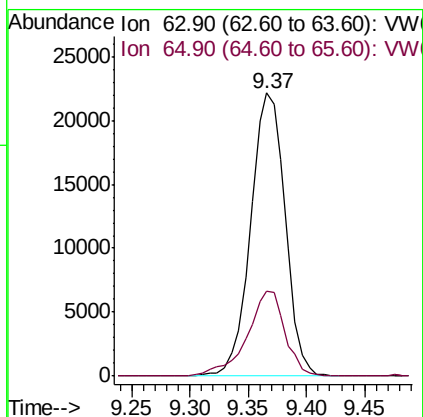
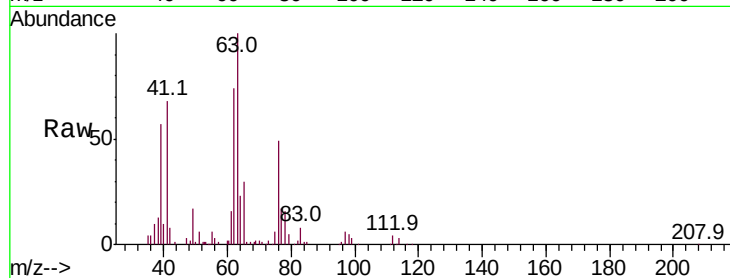
ClientSampleId :

Tot Ion: 63 Resp: 45714

Ion Ratio Lower Upper

63 100

65 30.1 24.6 37.0



#46

Dibromomethane

Concen: 18.938 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

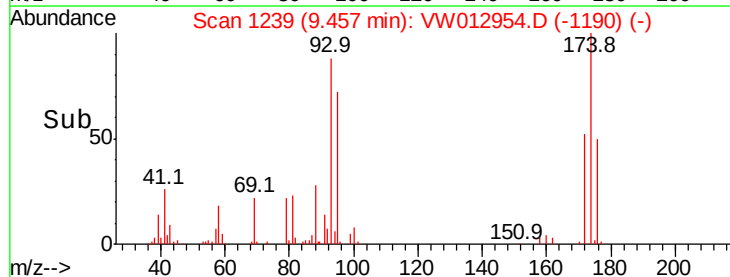
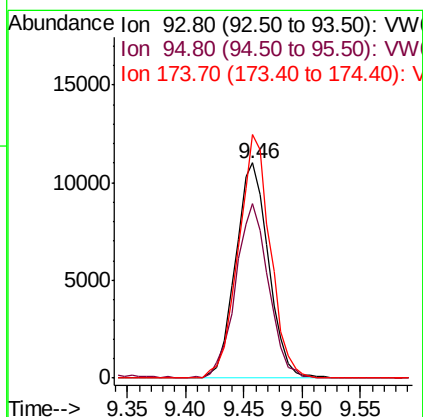
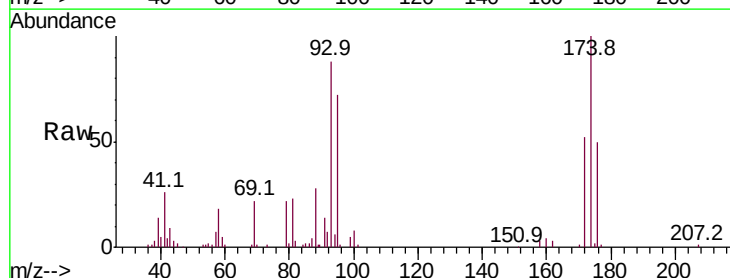
Tgt Ion: 93 Resp: 21710

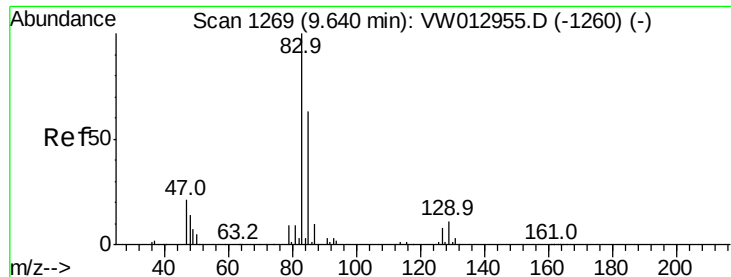
Ion Ratio Lower Upper

93 100

95 80.8 67.0 100.4

174 109.7 90.5 135.7

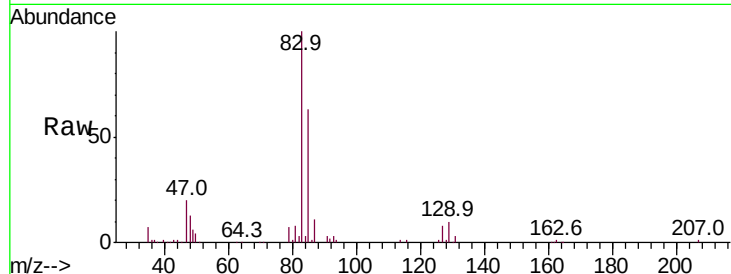




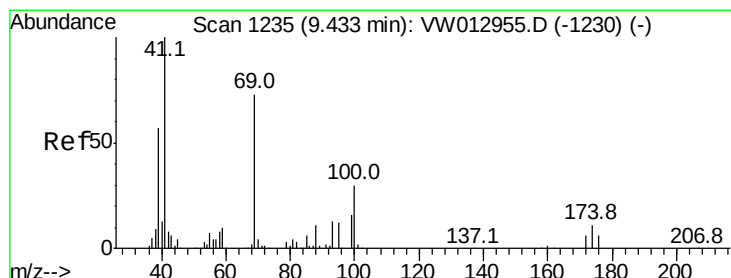
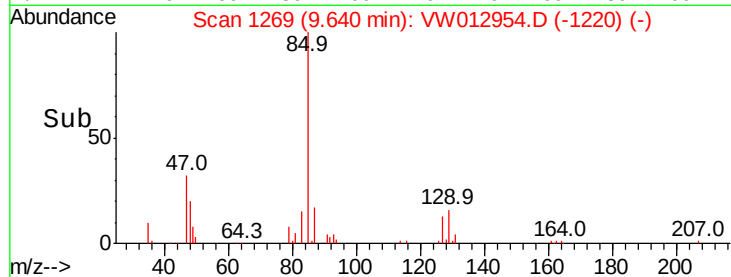
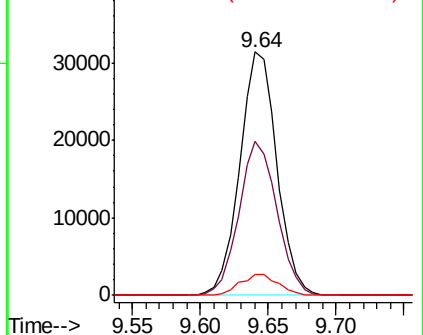
#47
Bromodichloromethane
Concen: 18.646 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW012954.D
Acq: 13 Sep 2019 14:58

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	83	Resp	59958
Ion Ratio	100	Lower	Upper
85	63.1	50.6	75.8
127	8.5	6.7	10.1

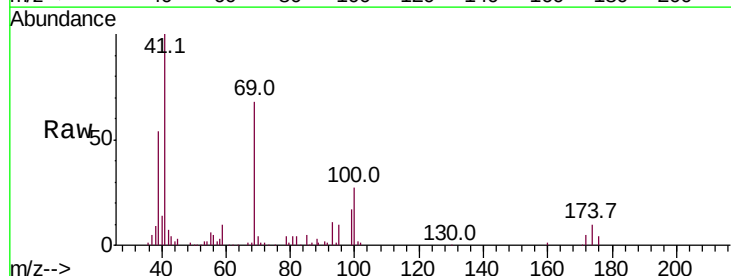


Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V

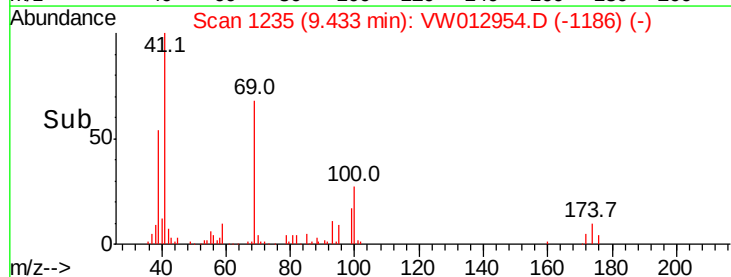
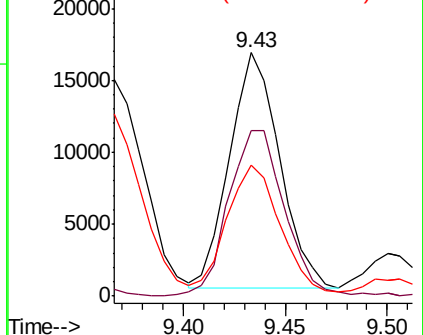


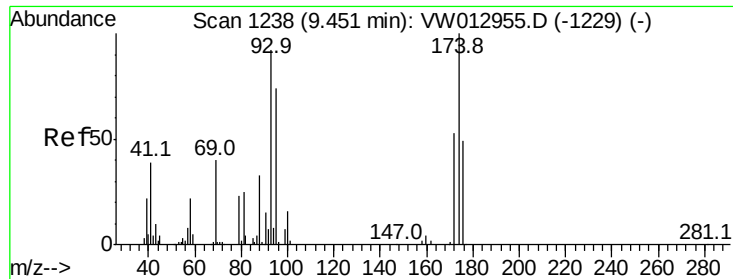
#48
Methyl methacrylate
Concen: 18.156 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW012954.D
Acq: 13 Sep 2019 14:58

Tgt Ion	41	Resp	28015
Ion Ratio	100	Lower	Upper
69	79.2	62.8	94.2
39	59.1	48.5	72.7



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





#49

1,4-Dioxane

Concen: 377.629 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

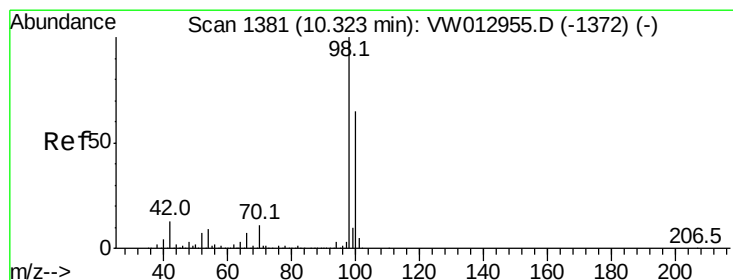
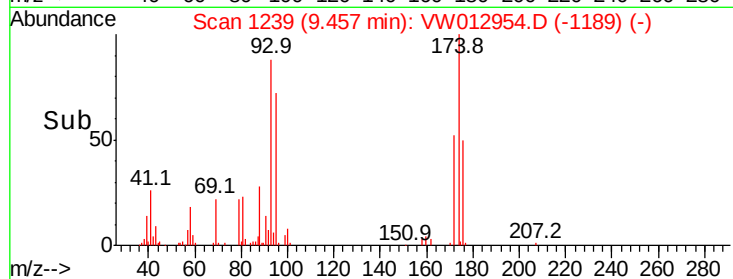
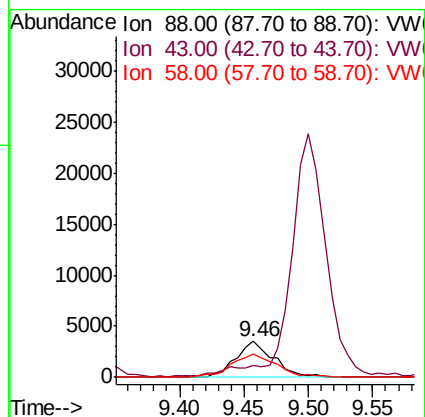
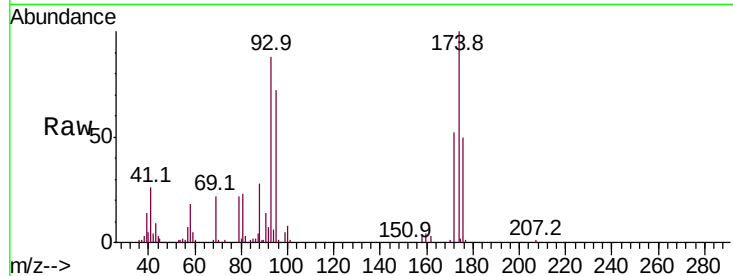
Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 88 Resp: 7254

Ion	Ratio	Lower	Upper
88	100		
43	0.0	31.3	46.9#
58	76.2	60.2	90.2



#50

Toluene-d8

Concen: 18.353 ug/l

RT: 10.32 min Scan# 1381

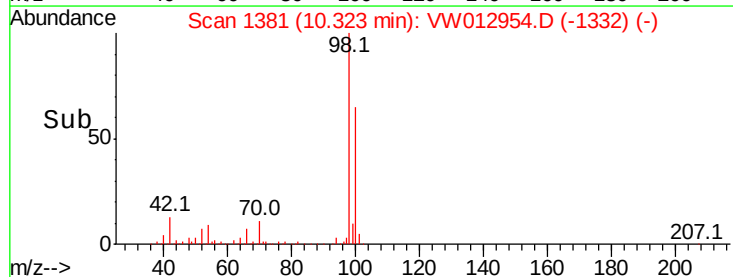
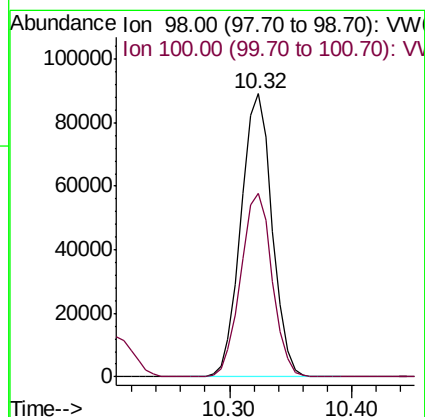
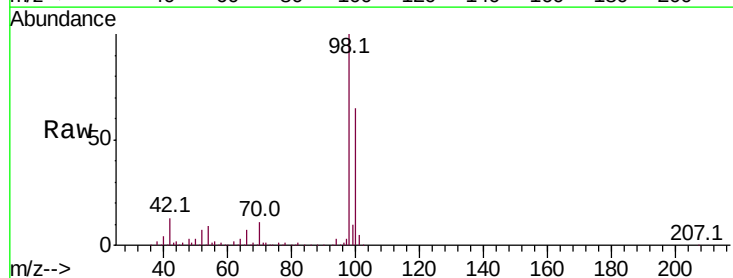
Delta R.T. 0.00 min

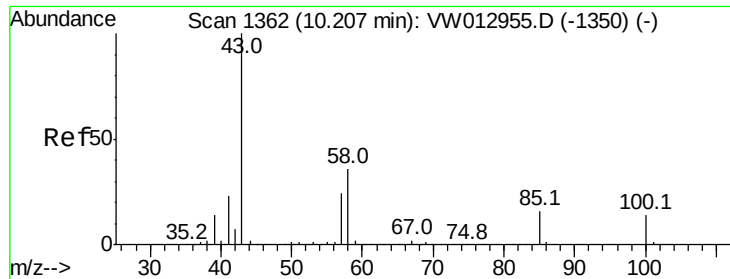
Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

Tgt Ion: 98 Resp: 157331

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.1	78.1

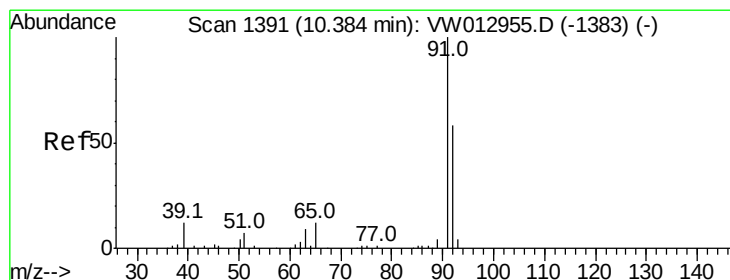
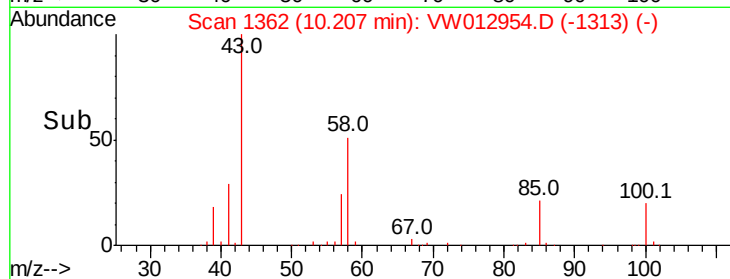
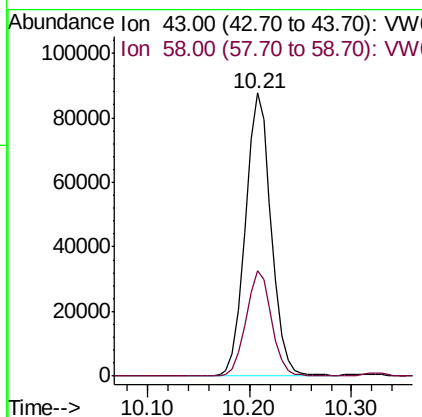
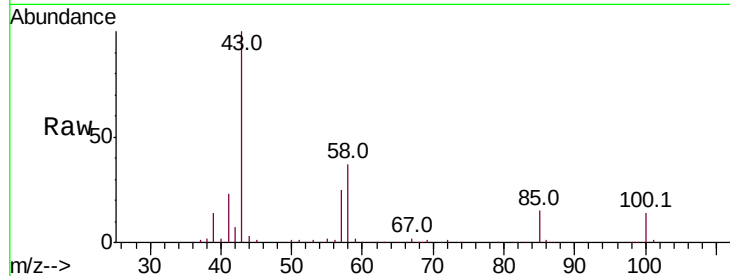




#51
 4-Methyl-2-Pentanone
 Concen: 90.749 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW012954.D
 Acq: 13 Sep 2019 14:58

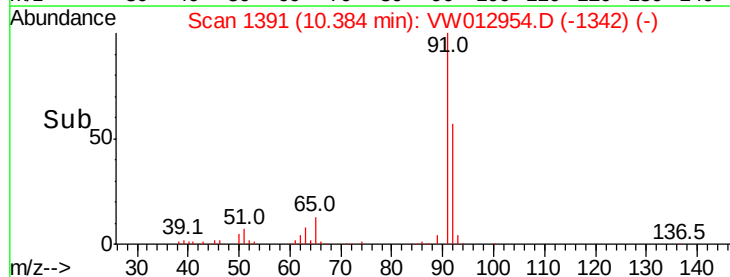
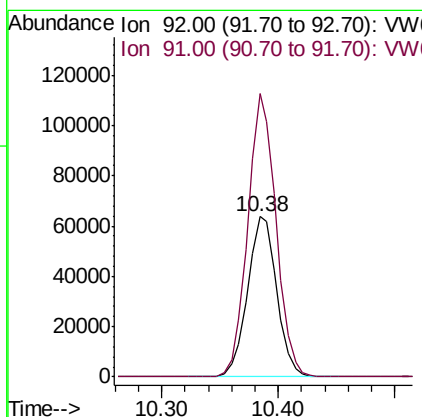
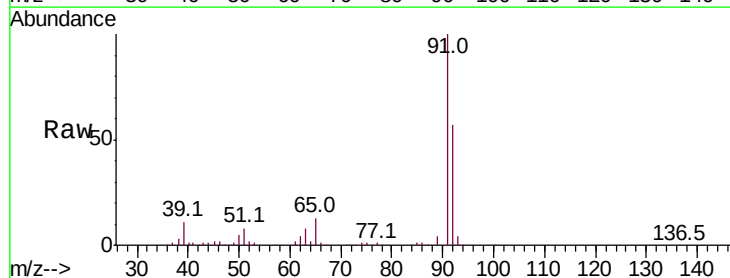
Instrument :
 MSVOA_W
 ClientSampled :

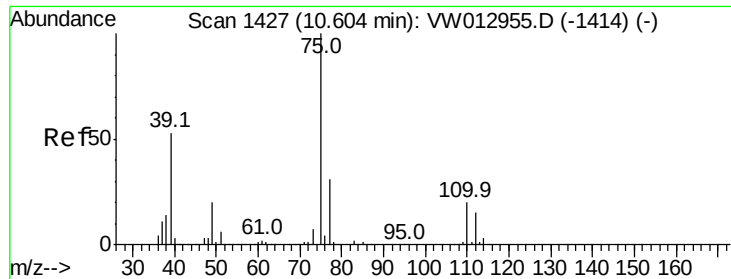
Tot Ion: 43 Resp: 154041
 Ion Ratio Lower Upper
 43 100
 58 36.8 29.5 44.3



#52
 Toluene
 Concen: 19.433 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VW012954.D
 Acq: 13 Sep 2019 14:58

Tgt Ion: 92 Resp: 111216
 Ion Ratio Lower Upper
 92 100
 91 170.7 137.5 206.3





#53

t-1,3-Dichloropropene

Concen: 18.440 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

Instrument :

MSVOA_W

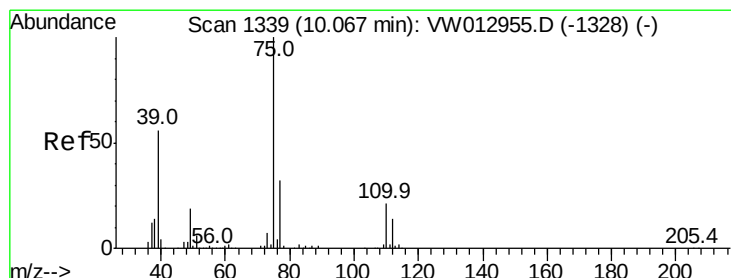
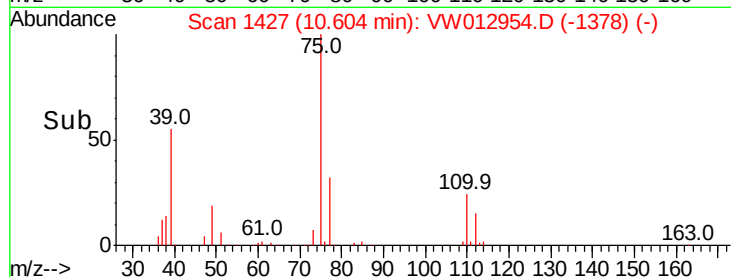
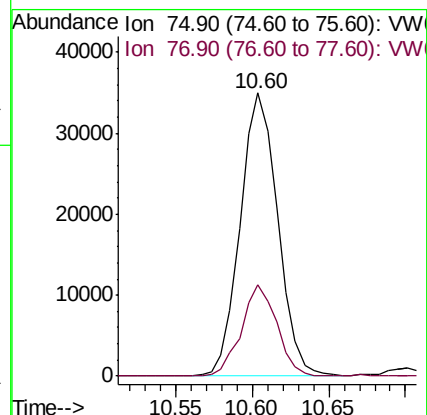
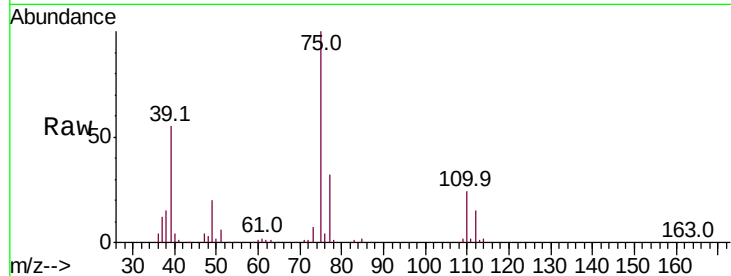
ClientSampleId :

Tot Ion: 75 Resp: 59636

Ion Ratio Lower Upper

75 100

77 32.2 24.6 37.0



#54

cis-1,3-Dichloropropene

Concen: 18.769 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.01 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

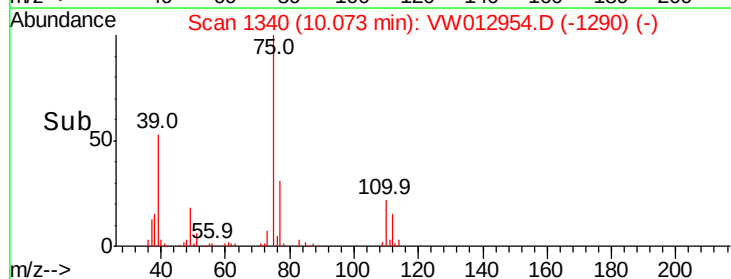
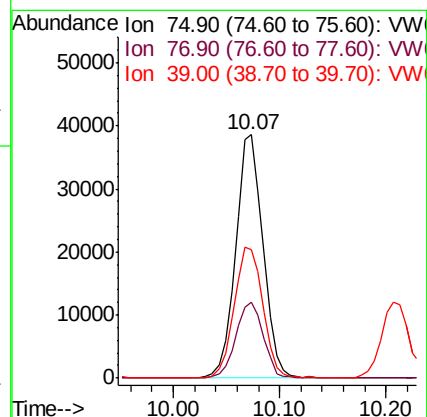
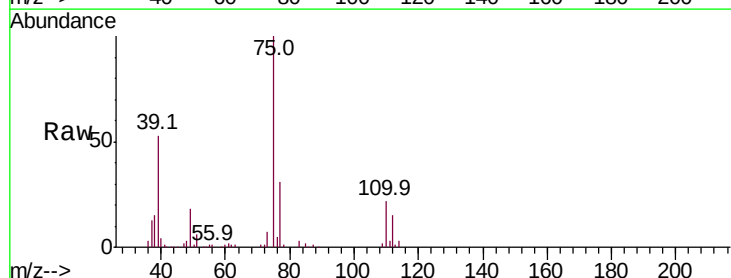
Tgt Ion: 75 Resp: 69452

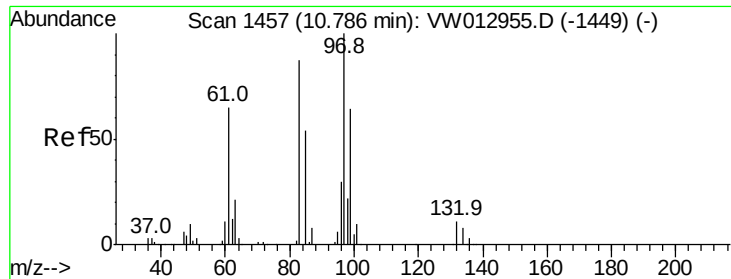
Ion Ratio Lower Upper

75 100

77 31.4 25.5 38.3

39 52.8 45.0 67.6





#55

1,1,2-Trichloroethane

Concen: 19.020 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

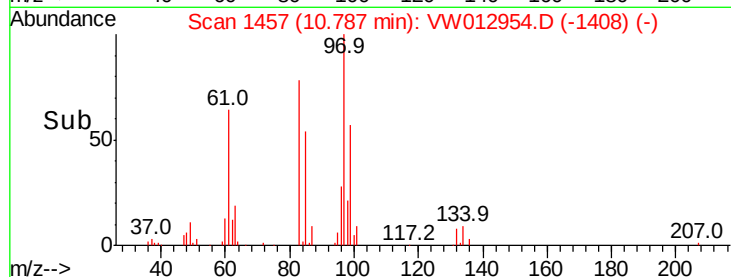
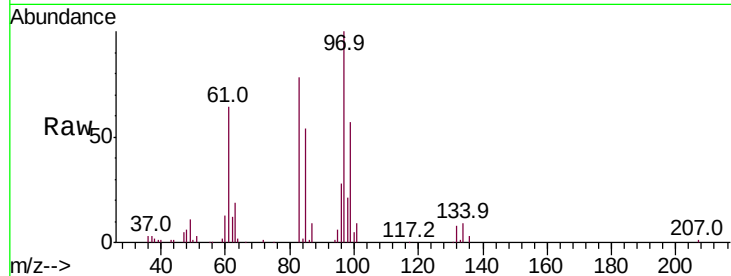
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 33217

Ion	Ratio	Lower	Upper
97	100		
83	77.9	69.4	104.0
85	53.5	43.3	64.9
99	56.9	50.9	76.3

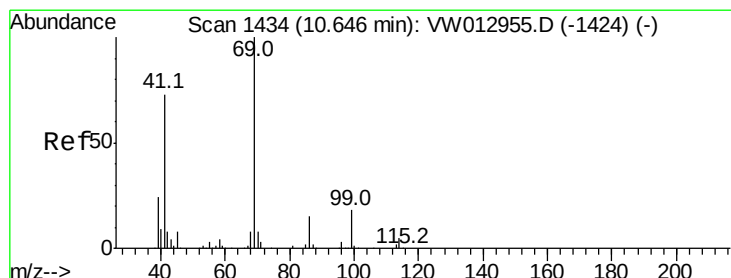


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 18.080 ug/l

RT: 10.65 min Scan# 1434

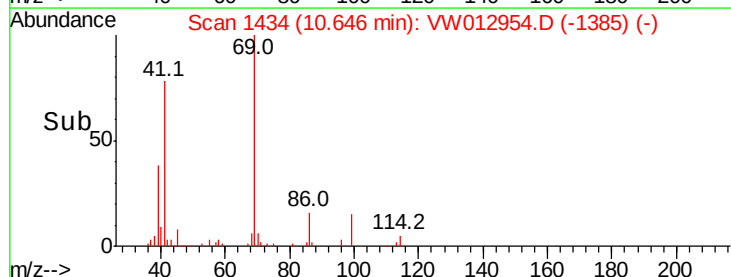
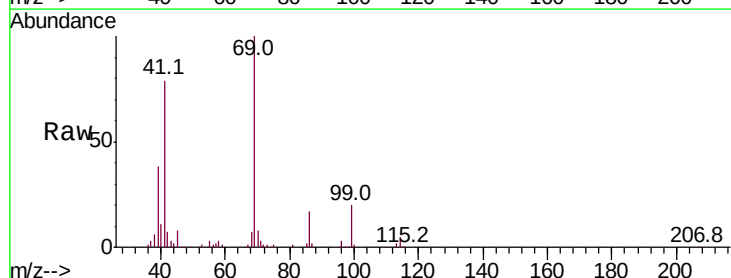
Delta R.T. 0.00 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

Tgt Ion: 69 Resp: 42502

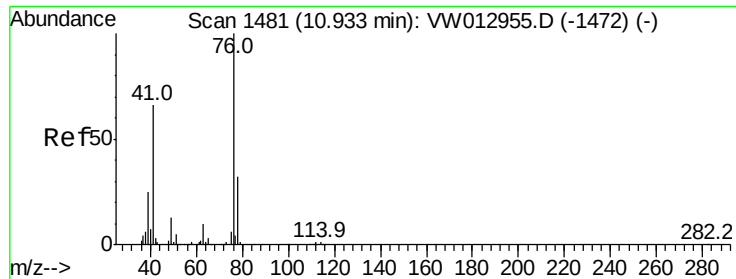
Ion	Ratio	Lower	Upper
69	100		
41	77.9	60.8	91.2
39	35.3	29.4	44.0



Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

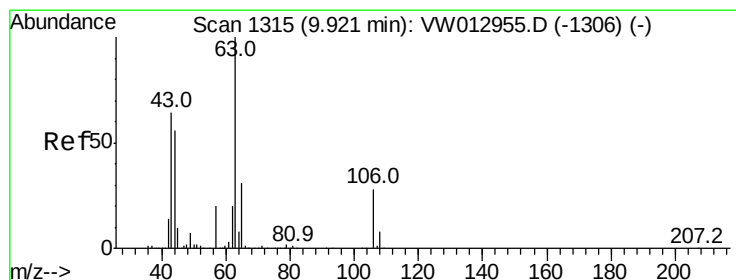
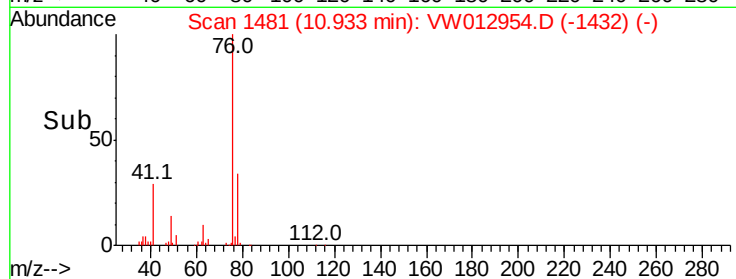
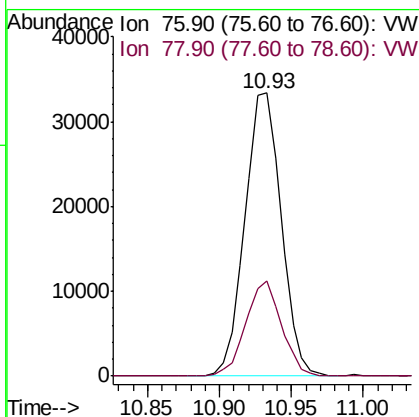
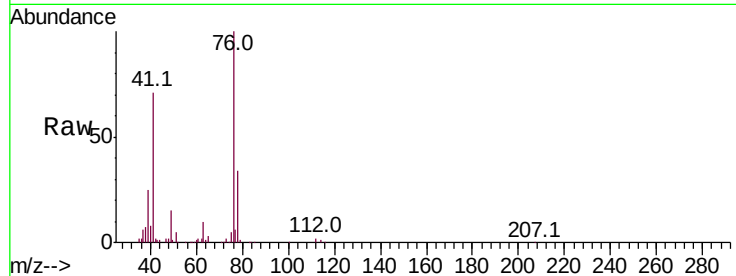
Ion 39.00 (38.70 to 39.70): VW



#57
 1,3-Dichloropropane
 Concen: 18.825 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW012954.D
 Acq: 13 Sep 2019 14:58

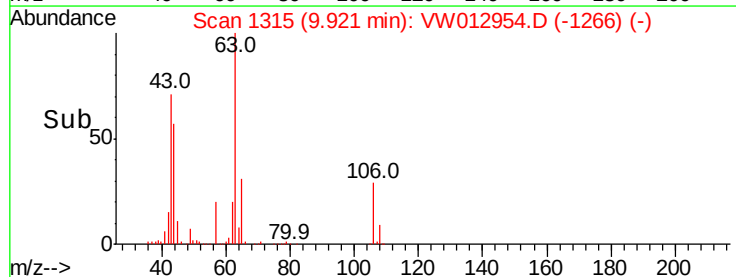
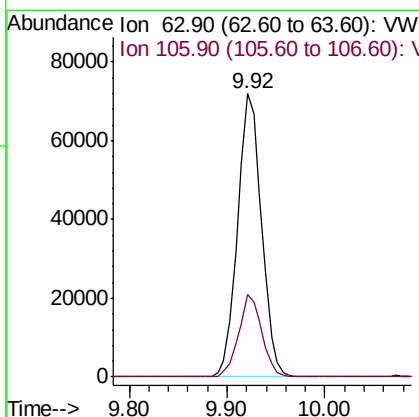
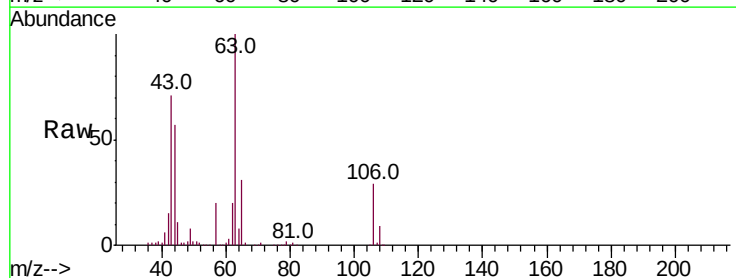
Instrument :
 MSVOA_W
 ClientSampled :

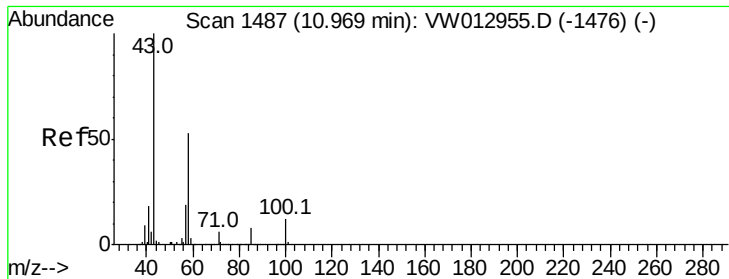
Tot Ion: 76 Resp: 58321
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.831 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW012954.D
 Acq: 13 Sep 2019 14:58

Tgt Ion: 63 Resp: 122104
 Ion Ratio Lower Upper
 63 100
 106 28.0 22.2 33.2

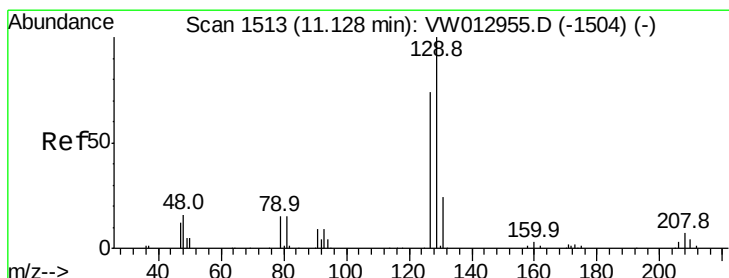
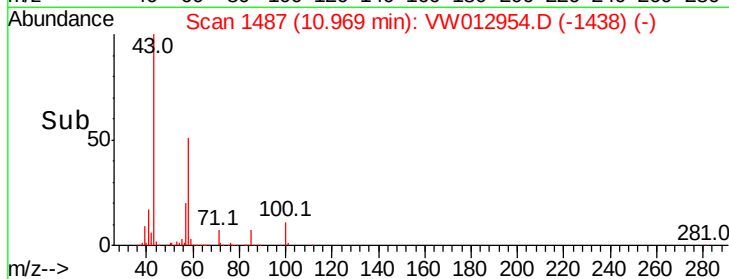
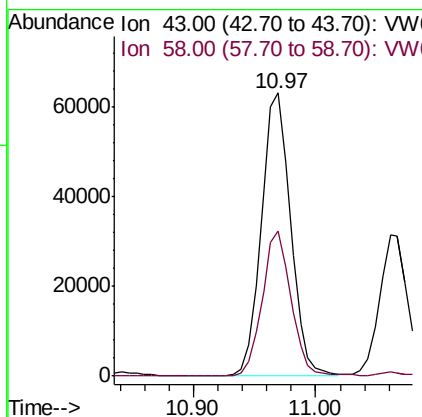
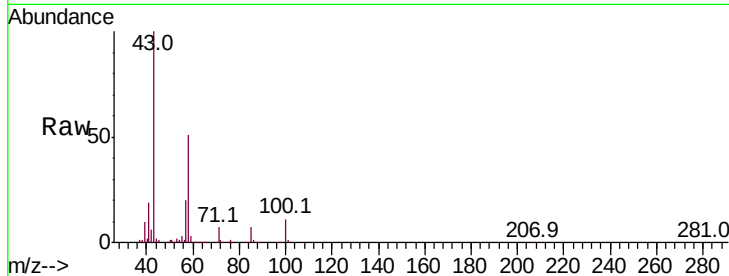




#59
2-Hexanone
Concen: 89.259 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW012954.D
Acq: 13 Sep 2019 14:58

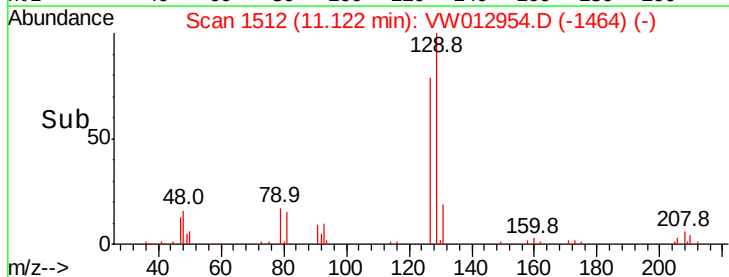
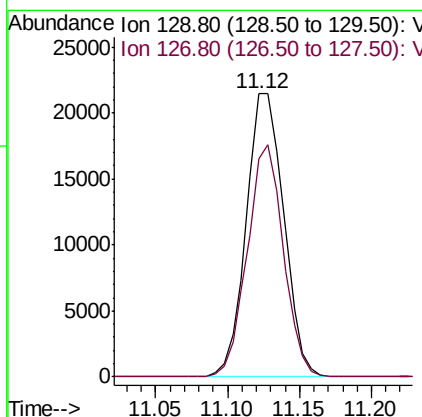
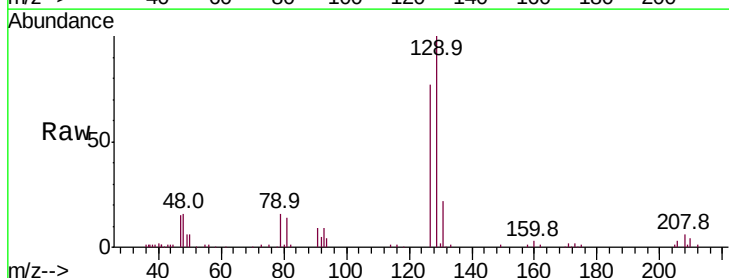
Instrument :
MSVOA_W
ClientSampleId :

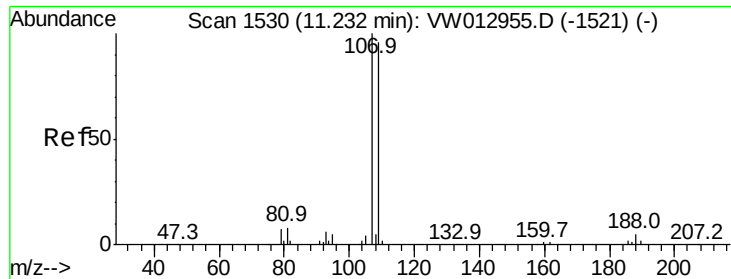
Tot Ion: 43 Resp: 105499
Ion Ratio Lower Upper
43 100
58 50.5 25.8 77.3



#60
Dibromochloromethane
Concen: 18.331 ug/l
RT: 11.12 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VW012954.D
Acq: 13 Sep 2019 14:58

Tgt Ion: 129 Resp: 38704
Ion Ratio Lower Upper
129 100
127 78.7 37.4 112.2

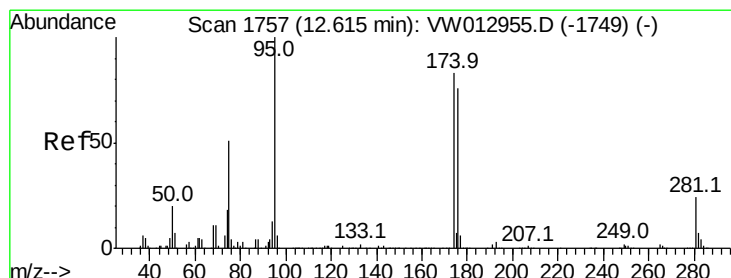
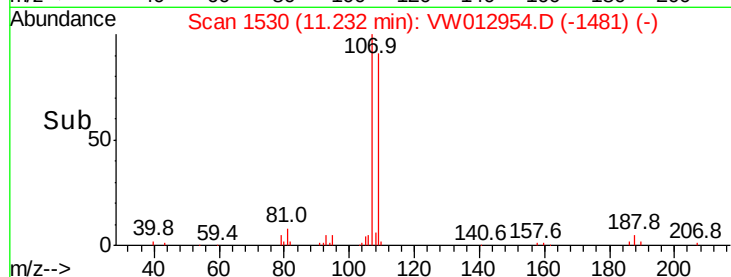
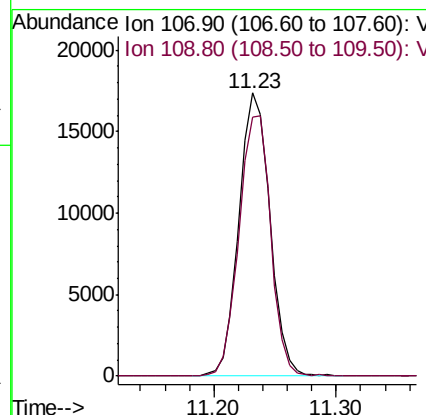
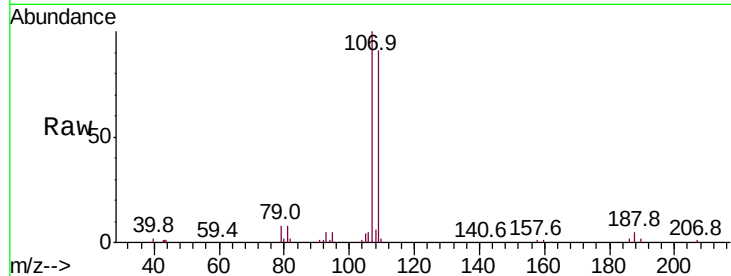




#61
 1,2-Dibromoethane
 Concen: 19.170 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW012954.D
 Acq: 13 Sep 2019 14:58

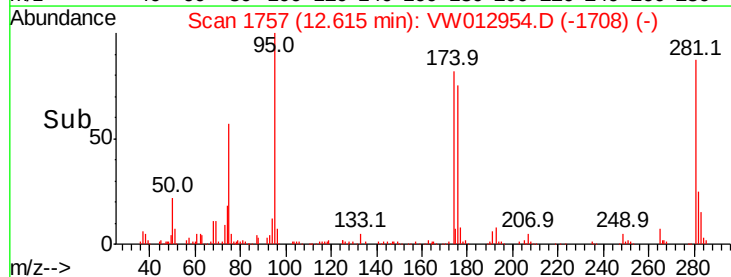
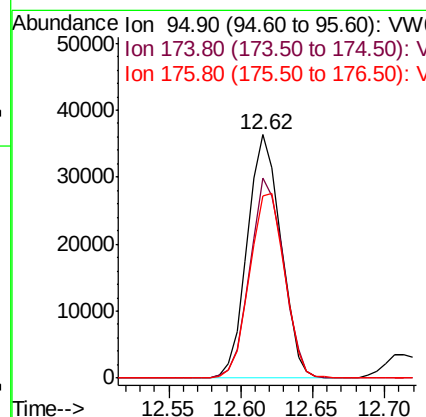
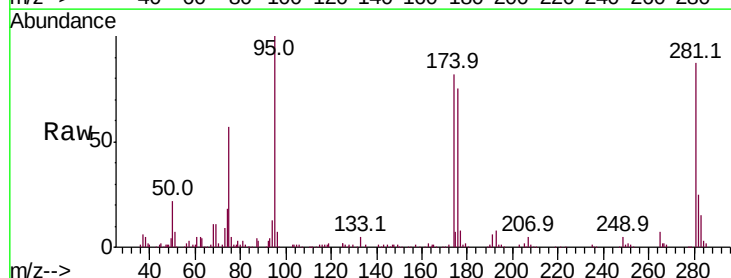
Instrument :
 MSVOA_W
 ClientSampleId :

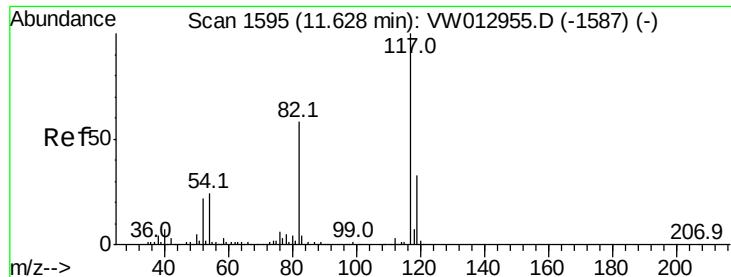
Tot Ion:107 Resp: 30541
 Ion Ratio Lower Upper
 107 100
 109 93.6 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 19.076 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW012954.D
 Acq: 13 Sep 2019 14:58

Tgt Ion: 95 Resp: 58800
 Ion Ratio Lower Upper
 95 100
 174 82.0 0.0 170.4
 176 78.9 0.0 164.6

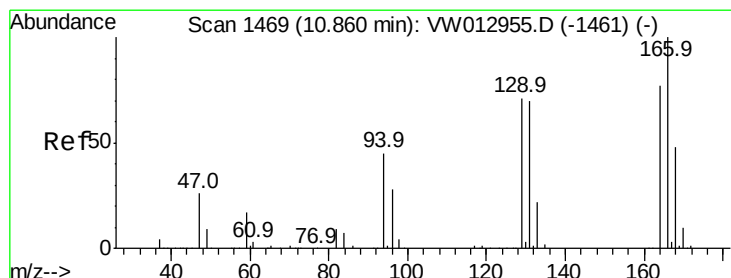
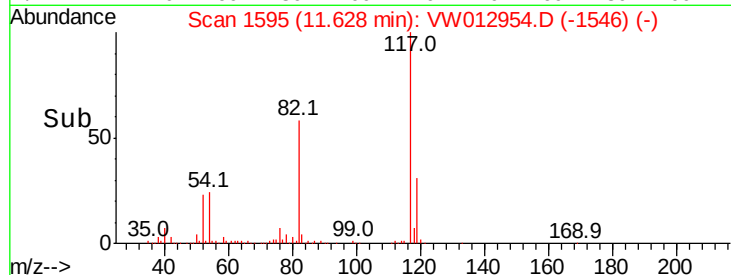
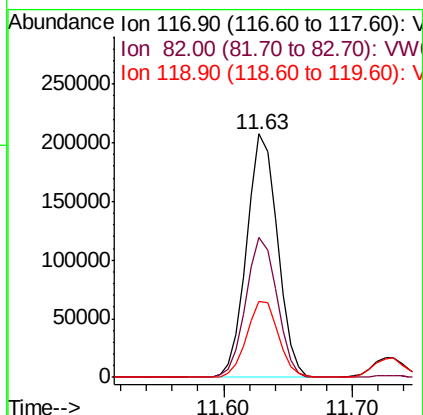
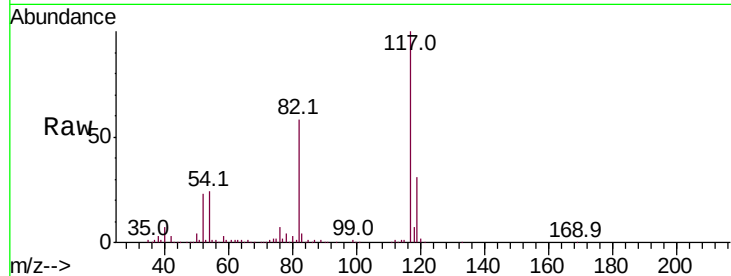




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW012954.D
Acq: 13 Sep 2019 14:58

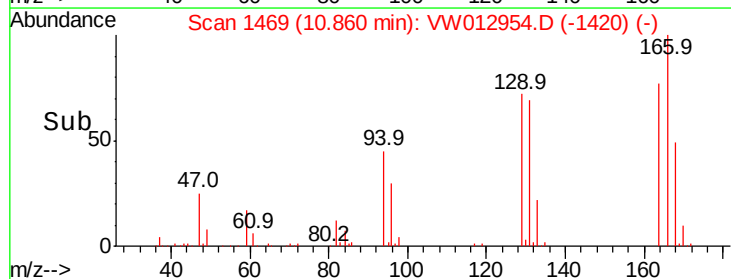
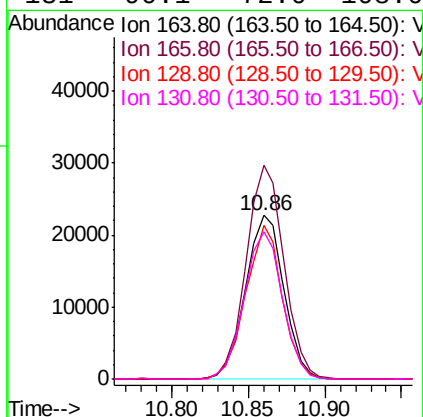
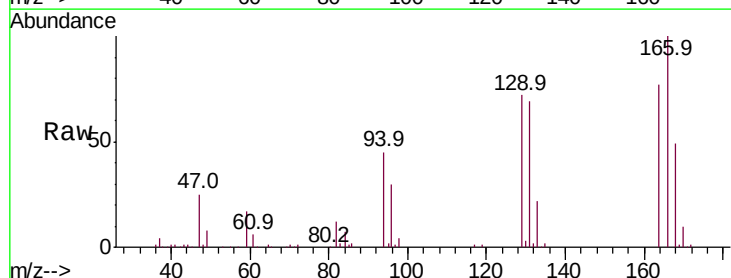
Instrument :
MSVOA_W
ClientSampleId :

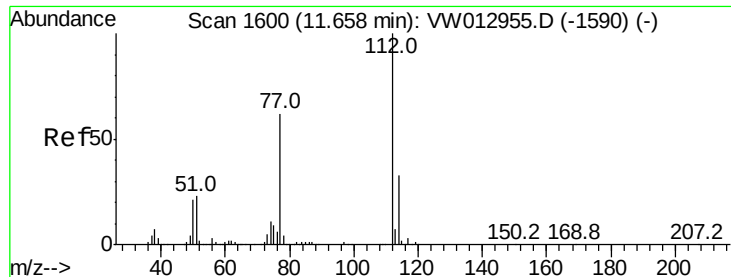
Tot Ion:117 Resp: 343668
Ion Ratio Lower Upper
117 100
82 57.6 46.3 69.5
119 31.3 26.2 39.4



#64
Tetrachloroethene
Concen: 19.383 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW012954.D
Acq: 13 Sep 2019 14:58

Tgt Ion:164 Resp: 39629
Ion Ratio Lower Upper
164 100
166 130.7 103.3 154.9
129 94.1 73.8 110.8
131 90.1 72.0 108.0





#65

Chlorobenzene

Concen: 19.063 ug/l

RT: 11.65 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

Instrument :

MSVOA_W

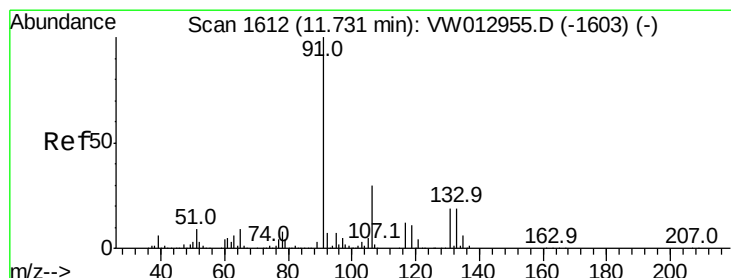
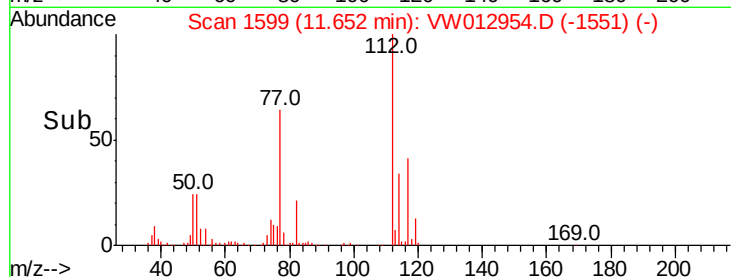
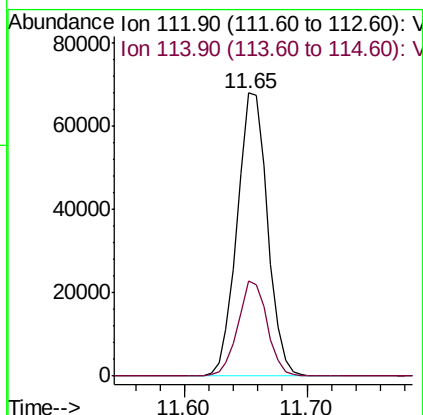
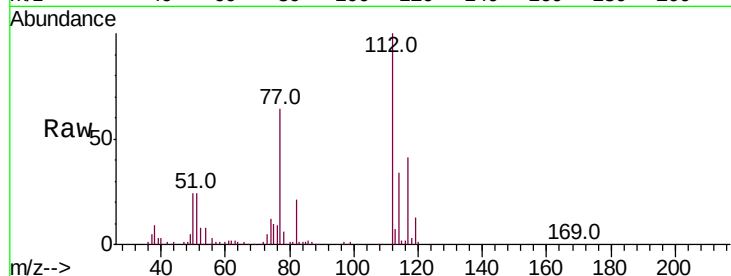
ClientSampleId :

Tot Ion:112 Resp: 116697

Ion Ratio Lower Upper

112 100

114 33.5 26.4 39.6



#66

1,1,1,2-Tetrachloroethane

Concen: 18.622 ug/l

RT: 11.73 min Scan# 1611

Delta R.T. -0.01 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

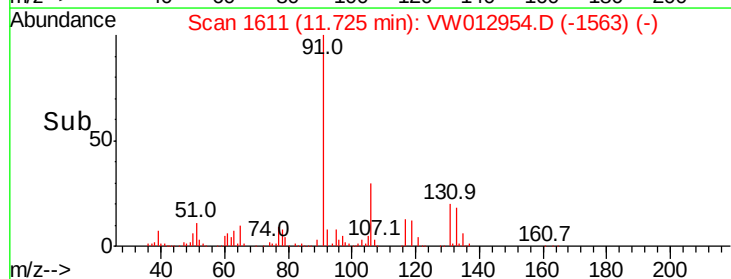
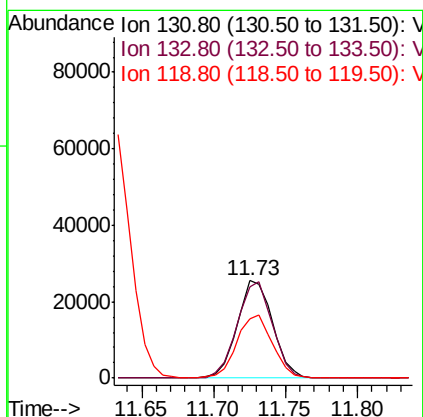
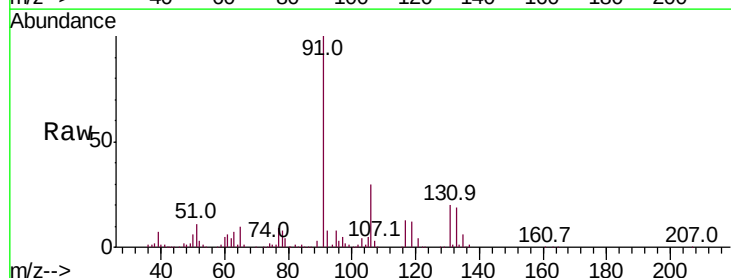
Tgt Ion:131 Resp: 43684

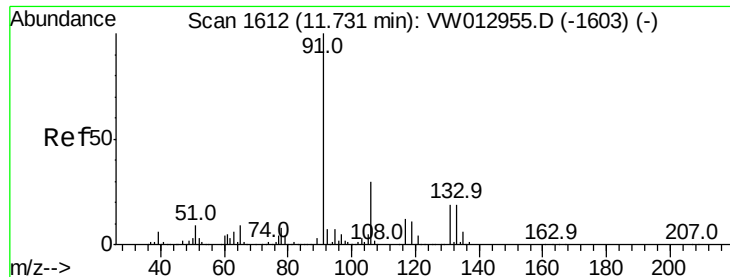
Ion Ratio Lower Upper

131 100

133 97.9 47.9 143.8

119 64.4 30.9 92.7

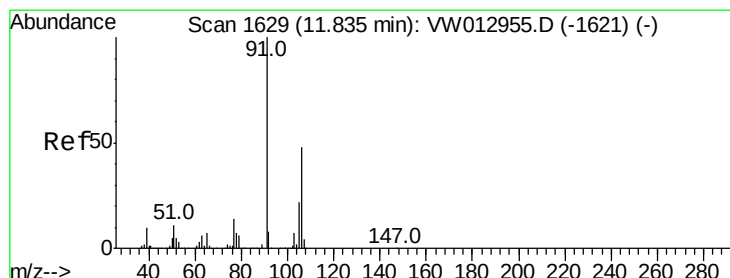
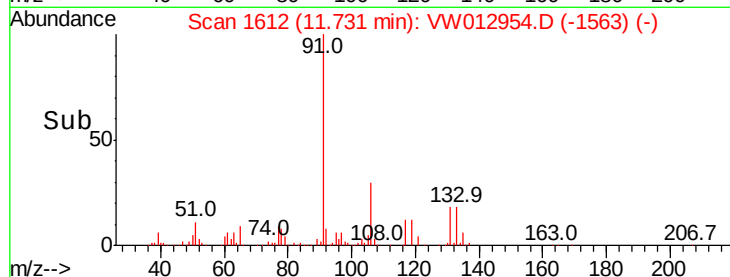
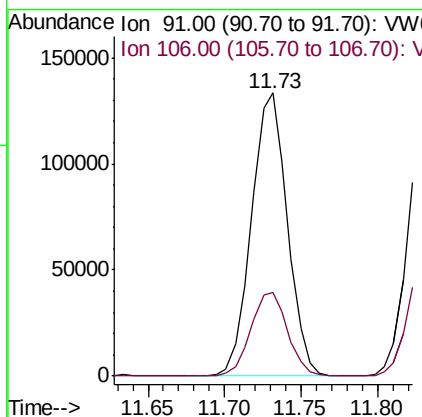
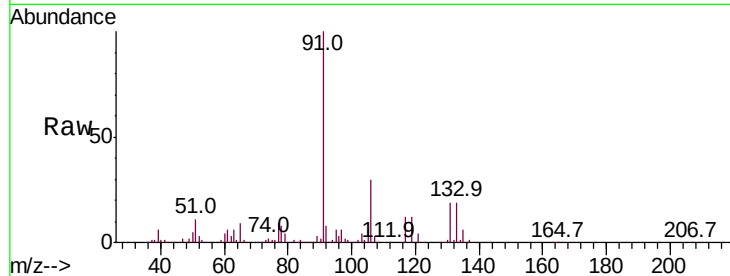




#67
Ethyl Benzene
Concen: 19.240 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW012954.D
Acq: 13 Sep 2019 14:58

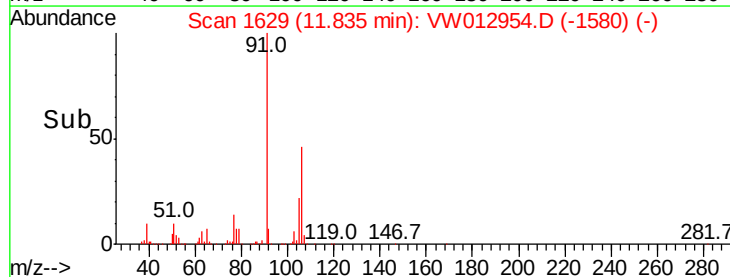
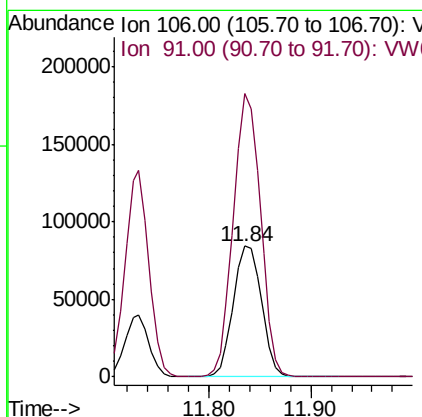
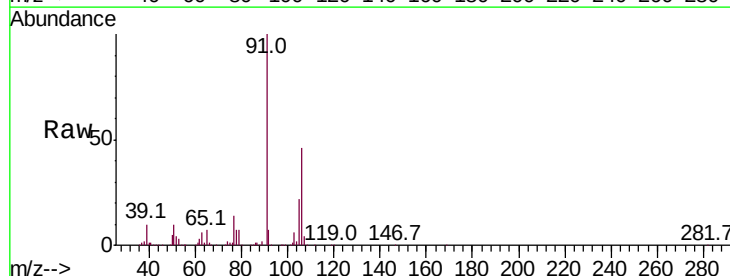
Instrument :
MSVOA_W
ClientSampleId :

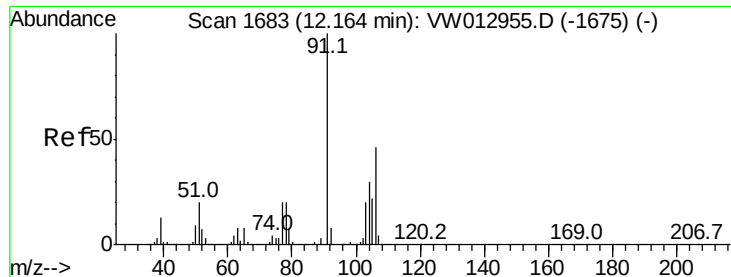
Tot Ion: 91 Resp: 217524
Ion Ratio Lower Upper
91 100
106 29.8 24.3 36.5



#68
m/p-Xylenes
Concen: 39.051 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW012954.D
Acq: 13 Sep 2019 14:58

Tgt Ion: 106 Resp: 161284
Ion Ratio Lower Upper
106 100
91 209.2 165.8 248.8

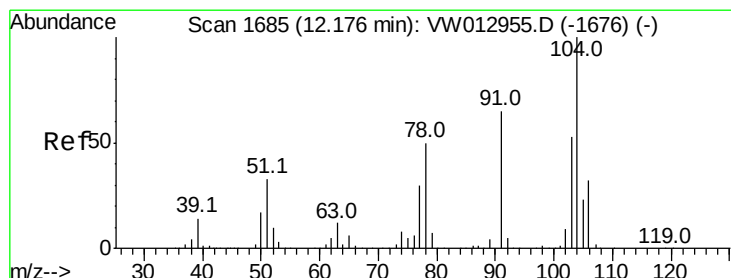
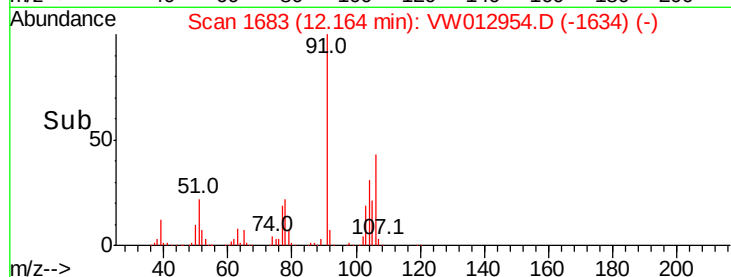
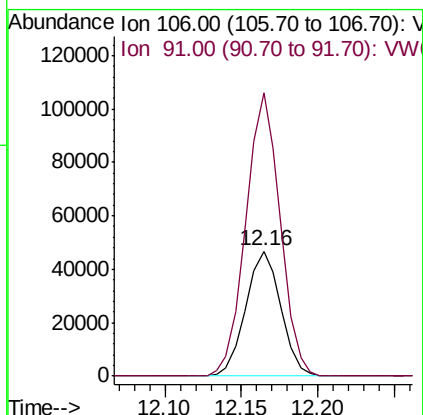
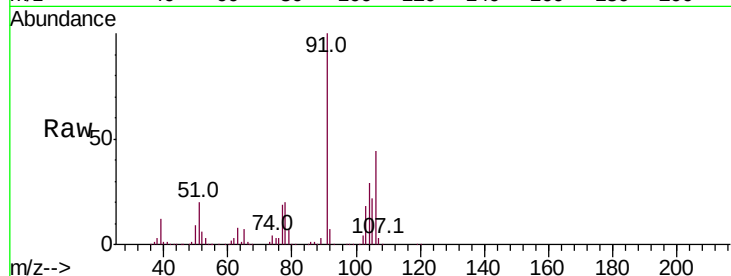




#69
o-Xylene
Concen: 19.322 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW012954.D
Acq: 13 Sep 2019 14:58

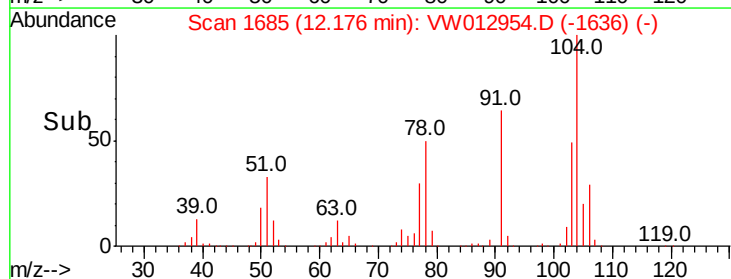
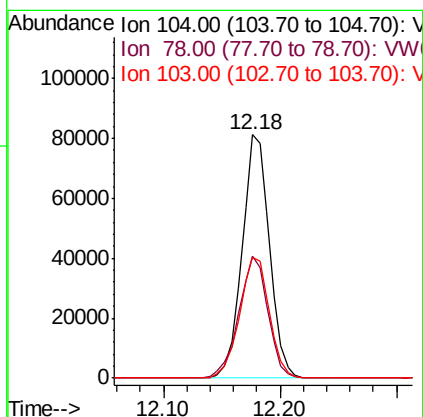
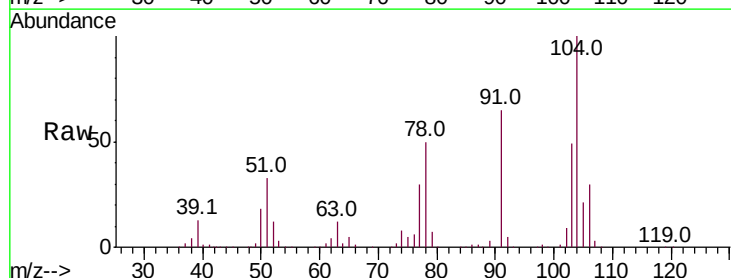
Instrument :
MSVOA_W
ClientSampled :

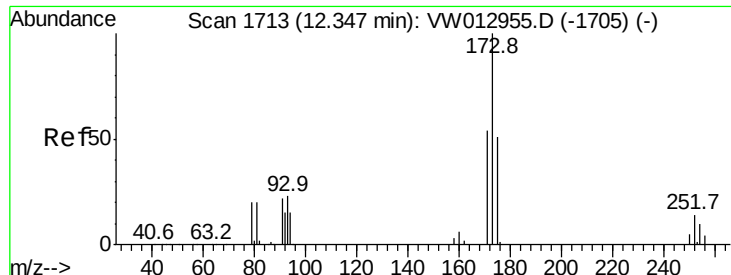
Tot Ion:106 Resp: 74815
Ion Ratio Lower Upper
106 100
91 221.2 109.7 329.0



#70
Styrene
Concen: 19.320 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VW012954.D
Acq: 13 Sep 2019 14:58

Tgt Ion:104 Resp: 133076
Ion Ratio Lower Upper
104 100
78 53.3 42.1 63.1
103 53.9 44.2 66.4





#71

Bromoform

Concen: 18.419 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

Instrument :

MSVOA_W

ClientSampleId :

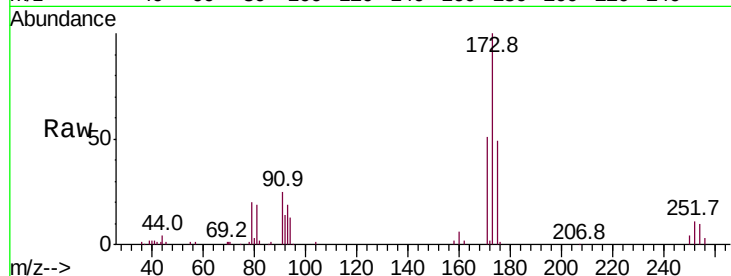
Tot Ion:173 Resp: 22696

Ion Ratio Lower Upper

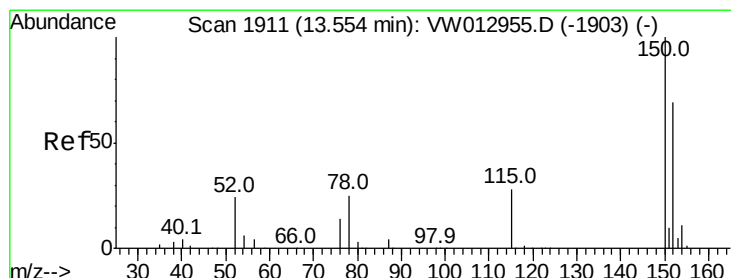
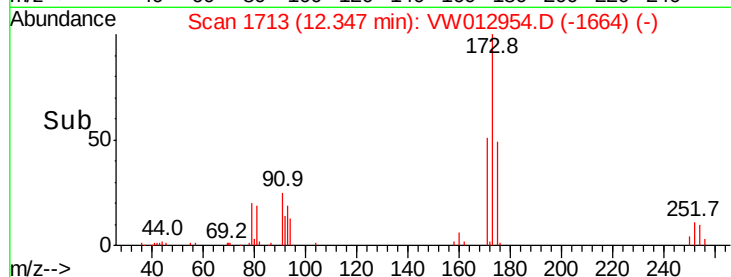
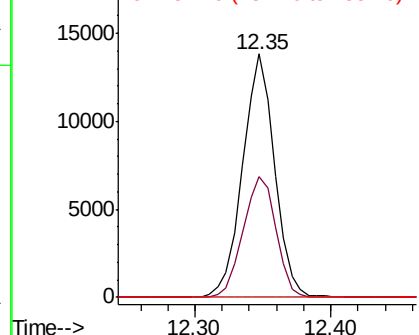
173 100

175 50.8 24.2 72.6

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. 0.00 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

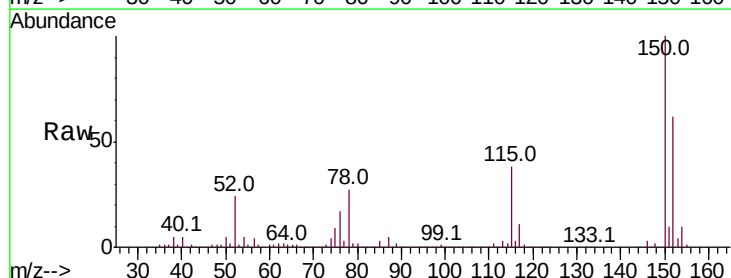
Tgt Ion:152 Resp: 174930

Ion Ratio Lower Upper

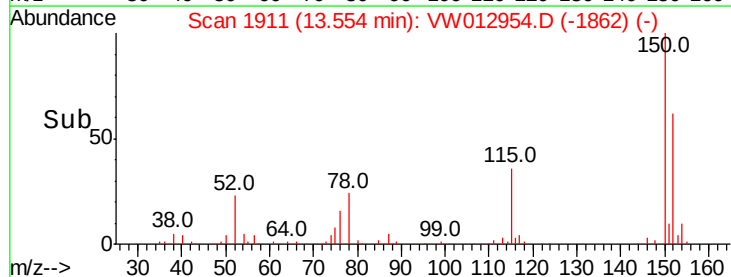
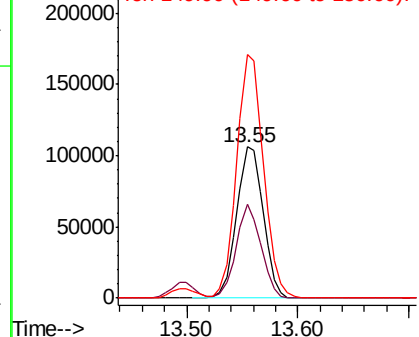
152 100

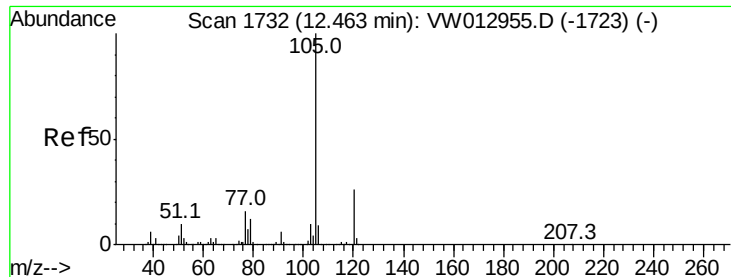
115 57.8 28.8 86.4

150 163.3 0.0 340.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.201 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

Instrument :

MSVOA_W

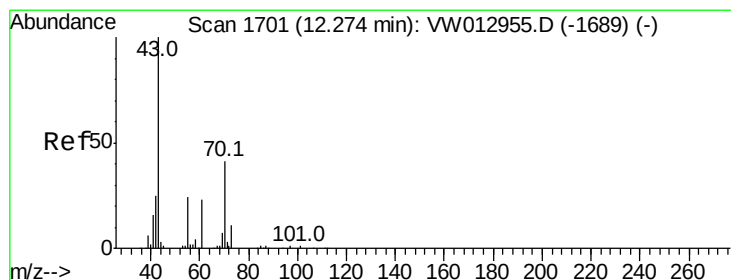
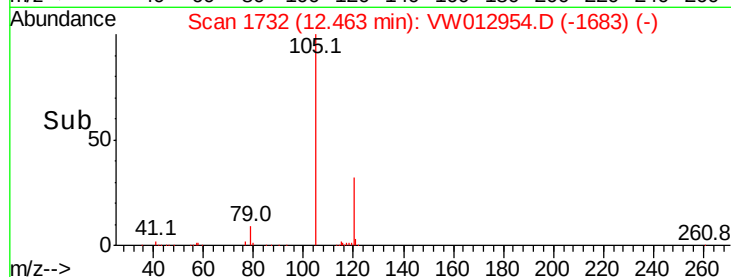
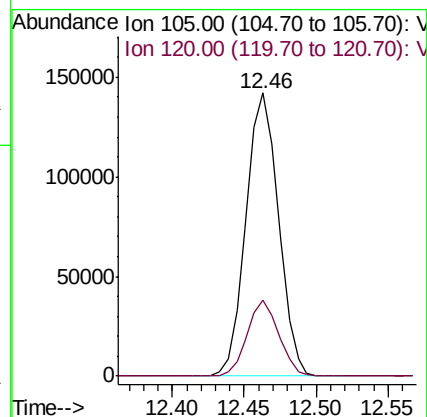
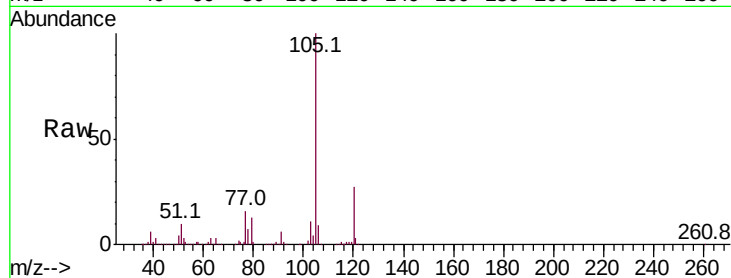
ClientSampleId :

Tot Ion:105 Resp: 222631

Ion Ratio Lower Upper

105 100

120 25.9 13.0 39.0



#74

N-ethyl acetate

Concen: 18.245 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.01 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

Tgt Ion: 43 Resp: 54418

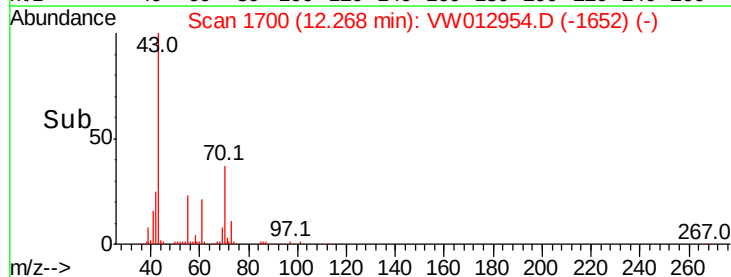
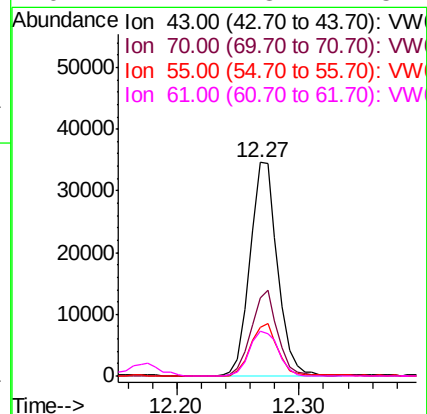
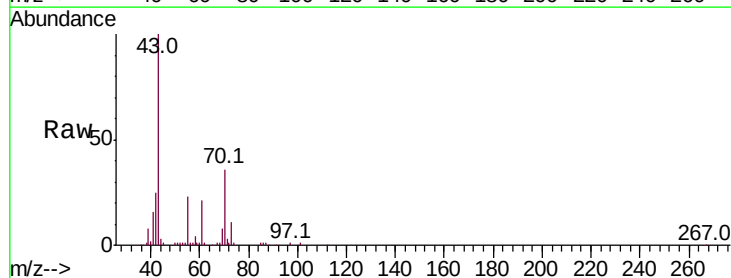
Ion Ratio Lower Upper

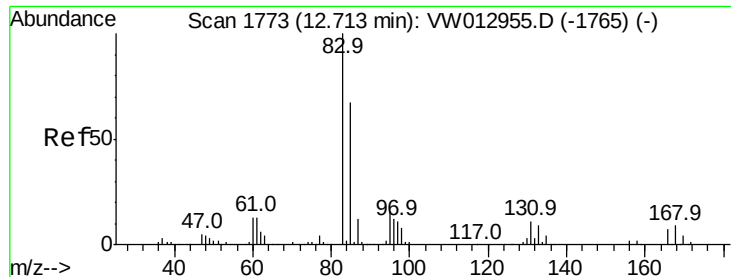
43 100

70 37.9 31.7 47.5

55 24.2 19.4 29.2

61 22.2 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 18.203 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

Instrument :

MSVOA_W

ClientSampled :

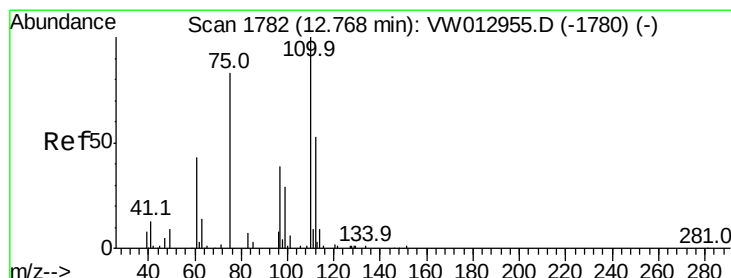
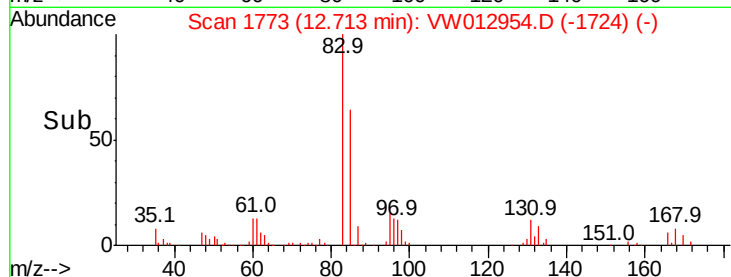
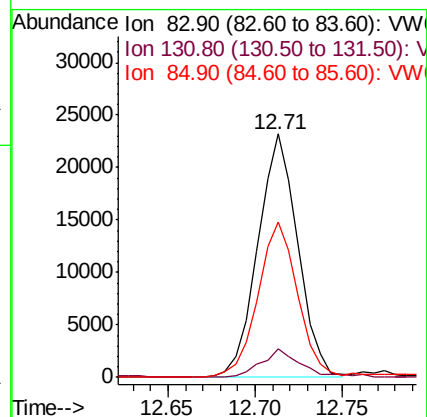
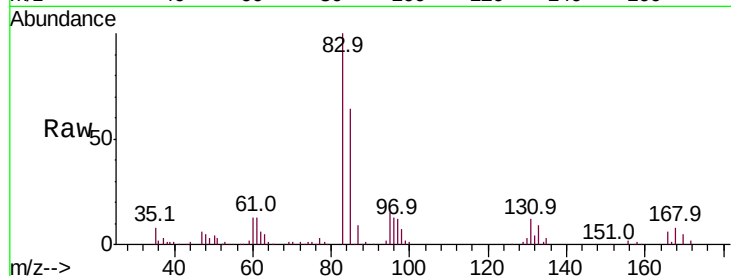
Tot Ion: 83 Resp: 37071

Ion Ratio Lower Upper

83 100

131 11.6 5.7 17.1

85 64.2 31.4 94.3



#76

1,2,3-Trichloropropane

Concen: 33.103 ug/l

RT: 12.76 min Scan# 1781

Delta R.T. -0.01 min

Lab File: VW012954.D

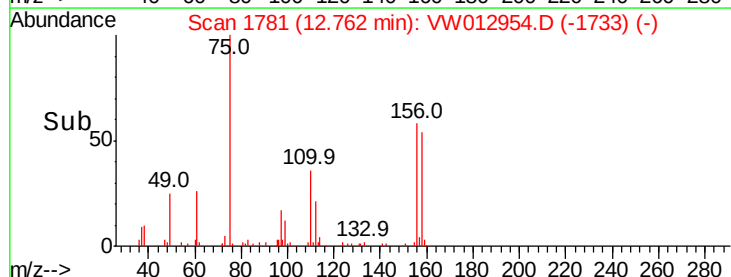
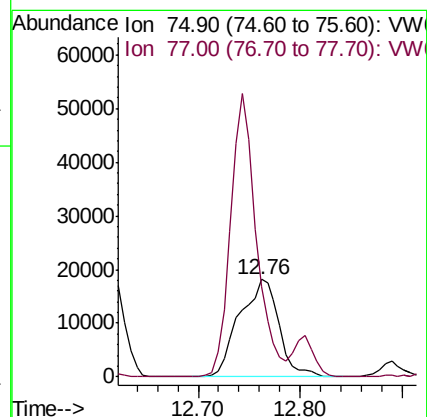
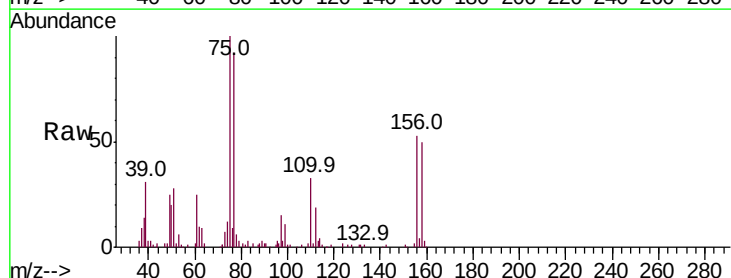
Acq: 13 Sep 2019 14:58

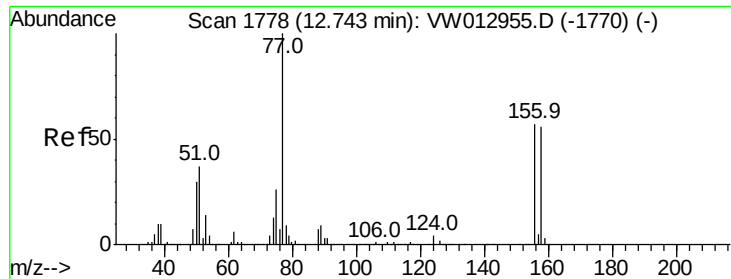
Tgt Ion: 75 Resp: 48859

Ion Ratio Lower Upper

75 100

77 189.7 0.0 0.0#





#77

Bromobenzene

Concen: 18.664 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

Instrument :

MSVOA_W

ClientSampled :

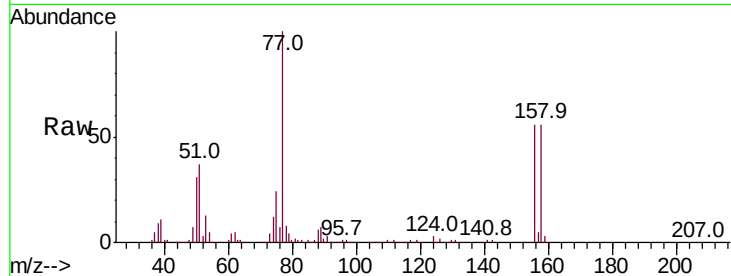
Tot Ion:156 Resp: 49854

Ion Ratio Lower Upper

156 100

77 185.9 95.2 285.6

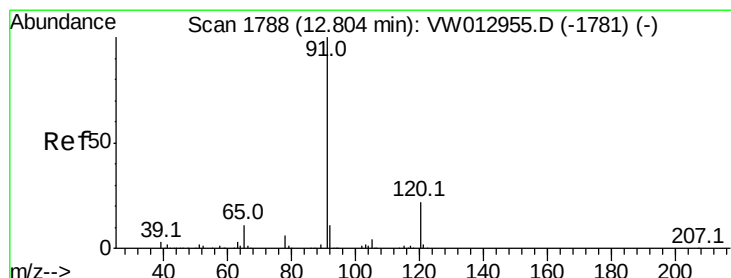
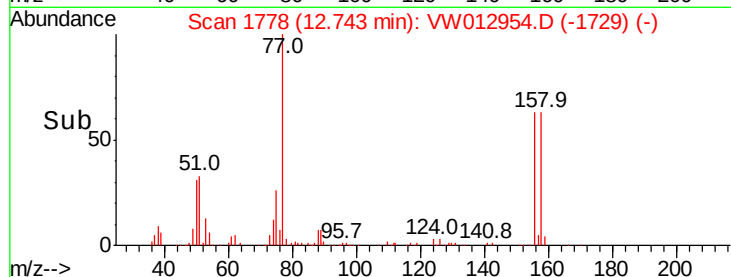
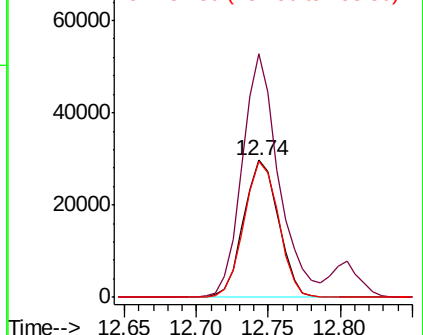
158 98.1 49.0 147.2



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: 18.926 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW012954.D

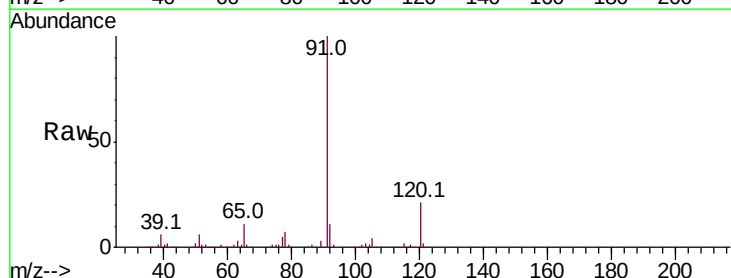
Acq: 13 Sep 2019 14:58

Tgt Ion: 91 Resp: 258134

Ion Ratio Lower Upper

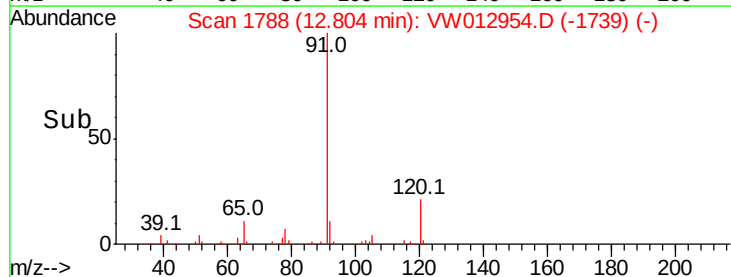
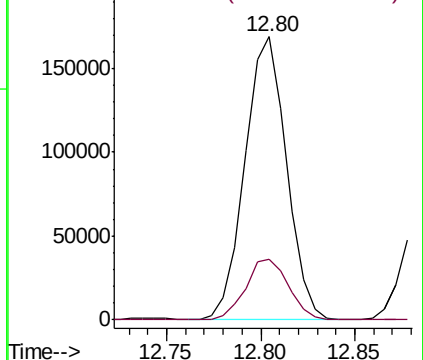
91 100

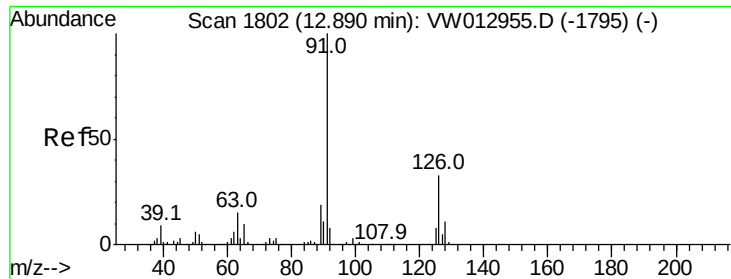
120 22.2 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

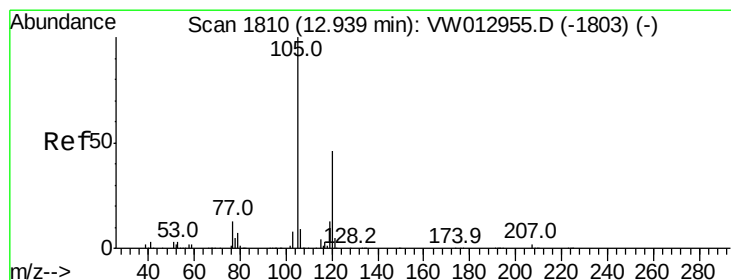
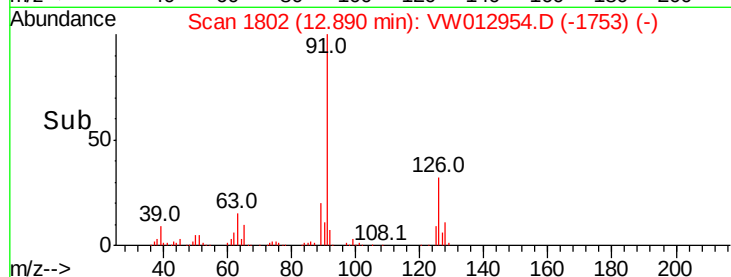
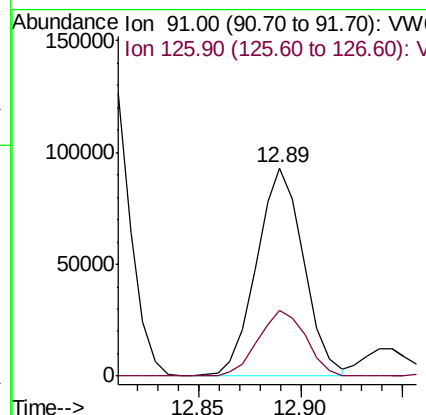
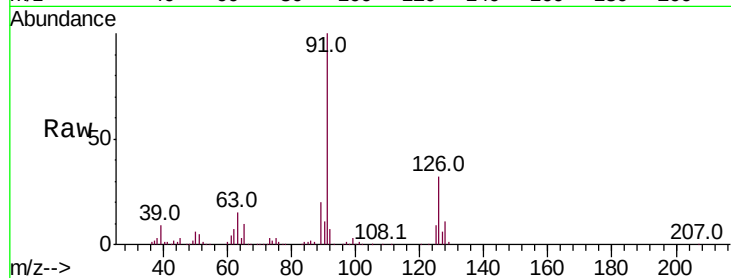




#79
 2-Chlorotoluene
 Concen: 18.964 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VW012954.D
 Acq: 13 Sep 2019 14:58

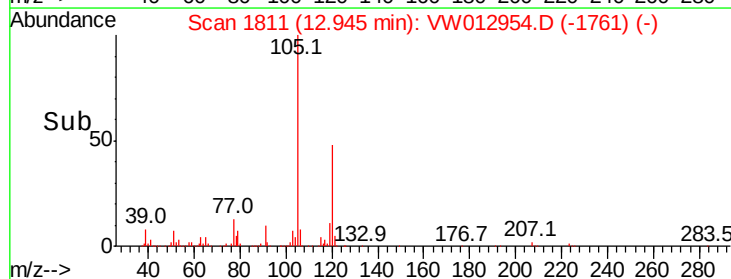
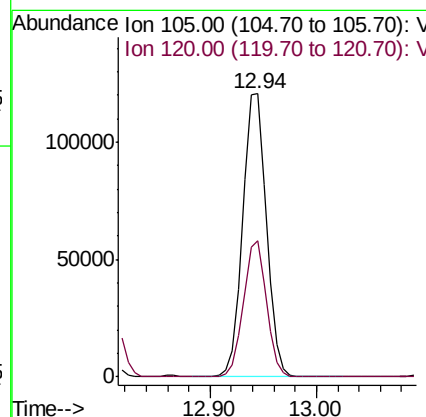
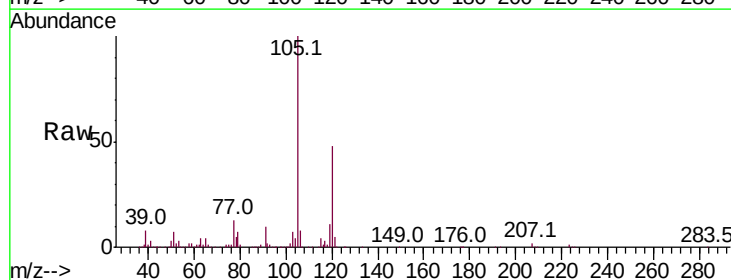
Instrument :
 MSVOA_W
 ClientSampleId :

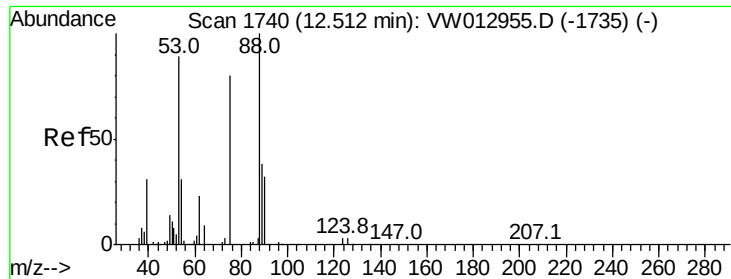
Tot Ion: 91 Resp: 148687
 Ion Ratio Lower Upper
 91 100
 126 32.1 16.5 49.5



#80
 1,3,5-Trimethylbenzene
 Concen: 19.343 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.01 min
 Lab File: VW012954.D
 Acq: 13 Sep 2019 14:58

Tgt Ion: 105 Resp: 189741
 Ion Ratio Lower Upper
 105 100
 120 46.8 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 17.896 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

Instrument :

MSVOA_W

ClientSampleId :

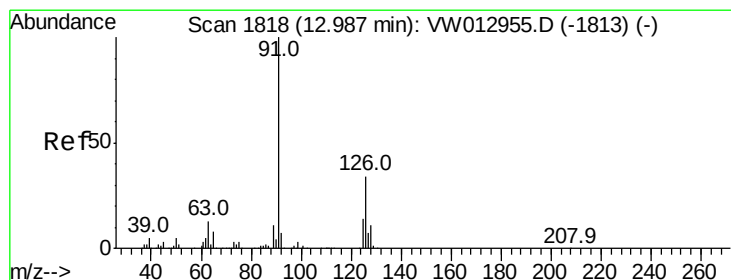
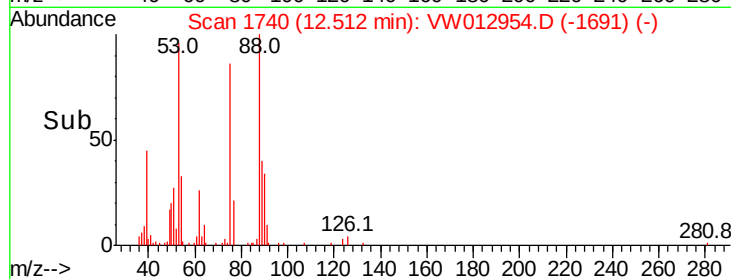
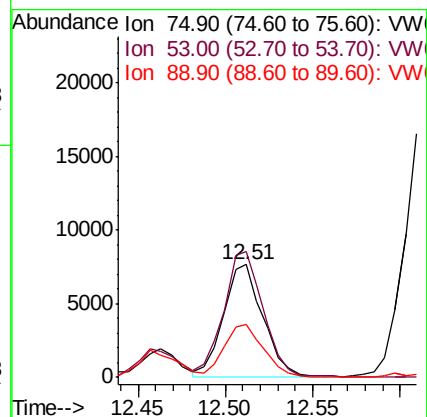
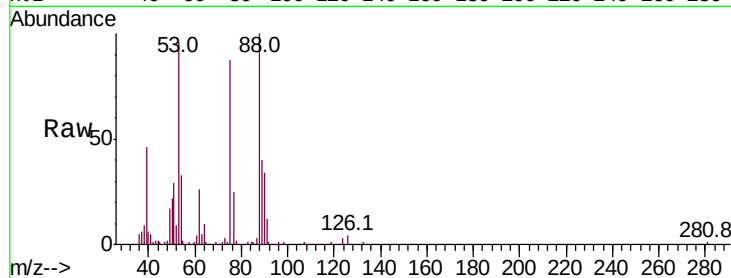
Tot Ion: 75 Resp: 12088

Ion Ratio Lower Upper

75 100

53 112.2 85.6 128.4

89 45.9 37.2 55.8



#82

4-Chlorotoluene

Concen: 18.555 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW012954.D

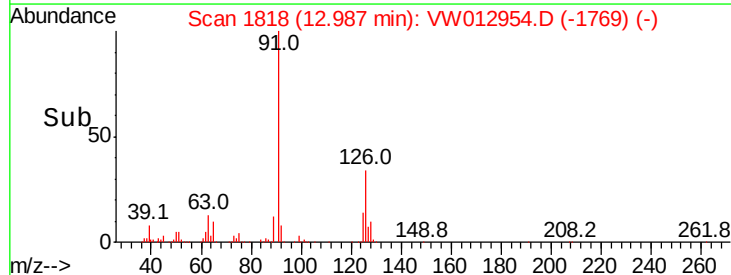
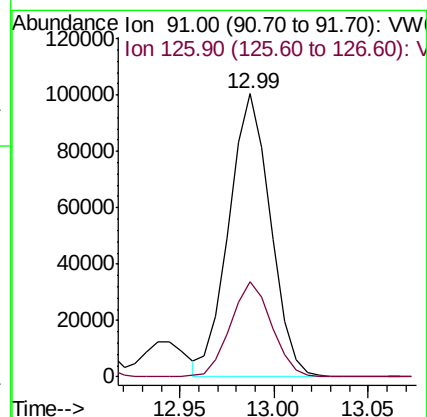
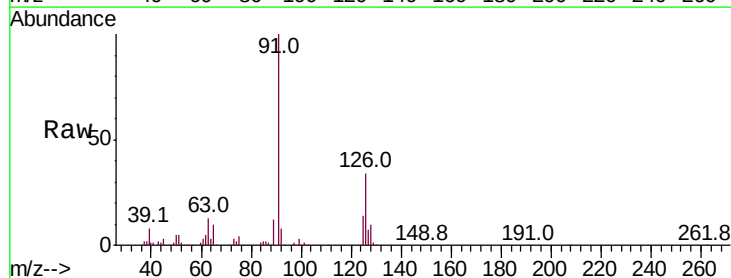
Acq: 13 Sep 2019 14:58

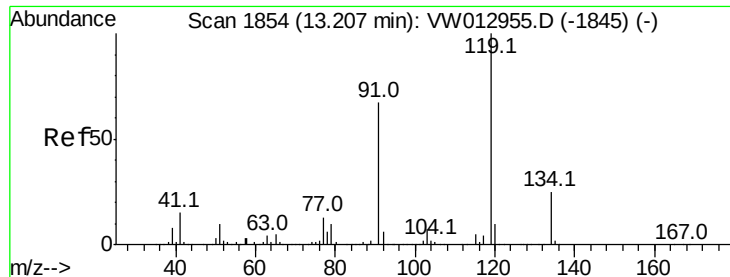
Tgt Ion: 91 Resp: 153497

Ion Ratio Lower Upper

91 100

126 33.4 16.1 48.3





#83

tert-Butylbenzene

Concen: 18.959 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

Instrument :

MSVOA_W

ClientSampled :

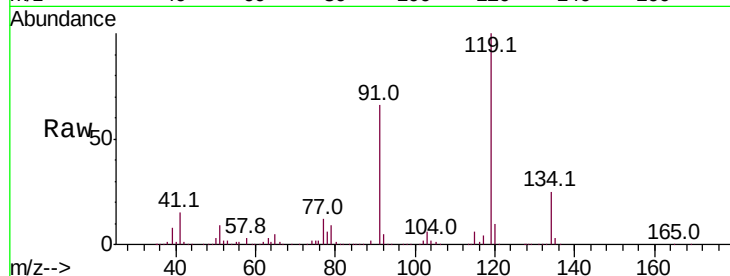
Tot Ion:119 Resp: 166346

Ion Ratio Lower Upper

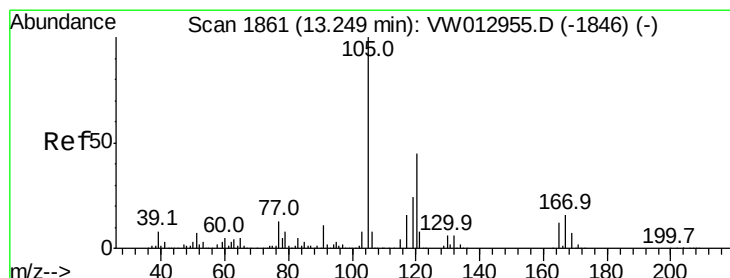
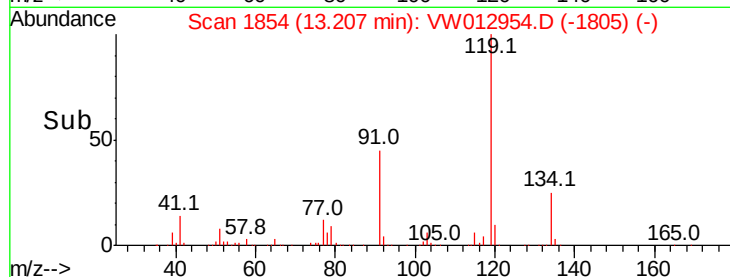
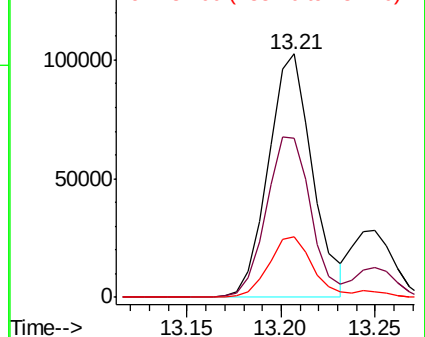
119 100

91 66.6 32.6 98.0

134 24.9 12.4 37.4



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



#84

1,2,4-Trimethylbenzene

Concen: 19.339 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VW012954.D

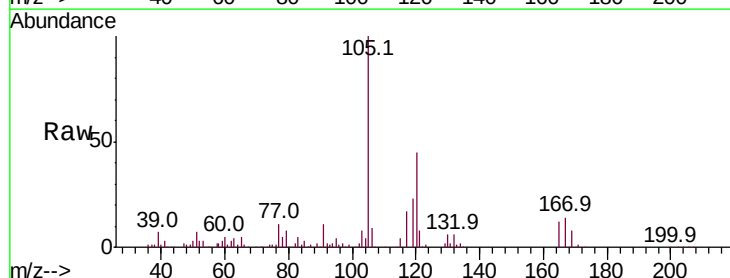
Acq: 13 Sep 2019 14:58

Tgt Ion:105 Resp: 187458

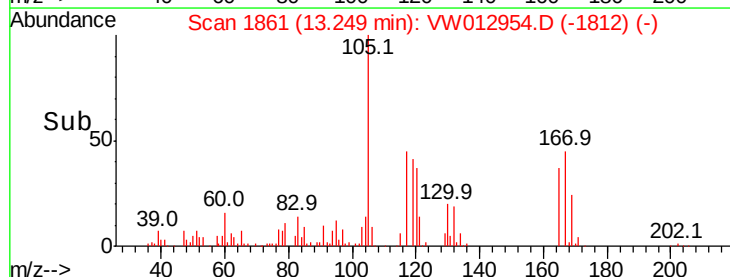
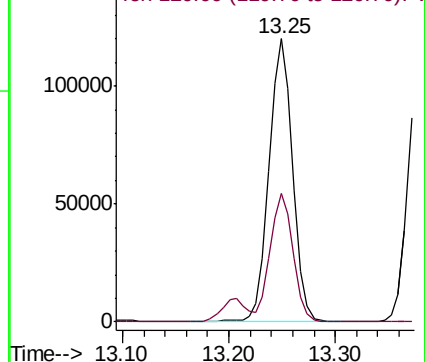
Ion Ratio Lower Upper

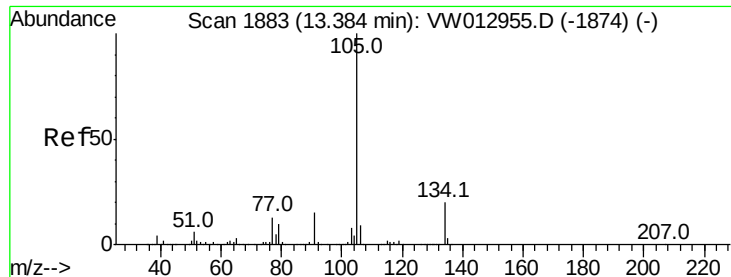
105 100

120 43.7 21.9 65.7



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

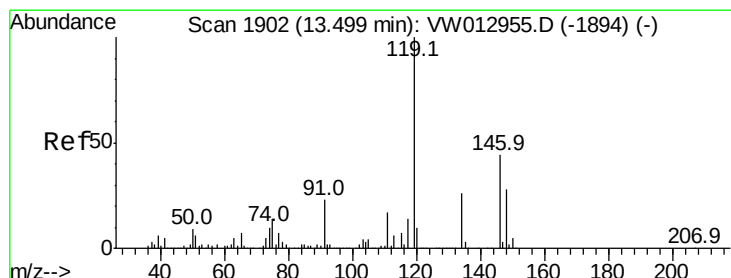
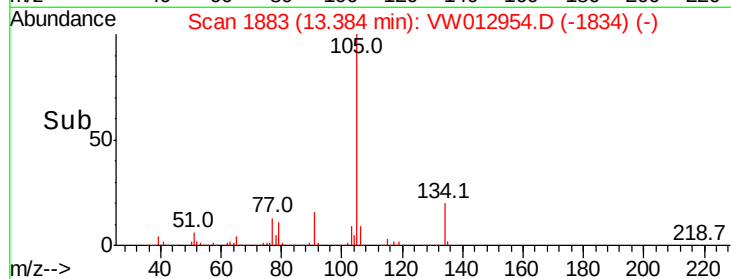
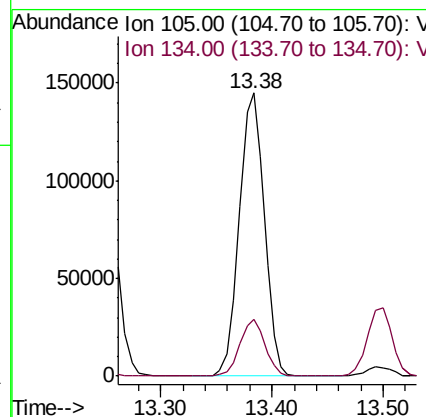
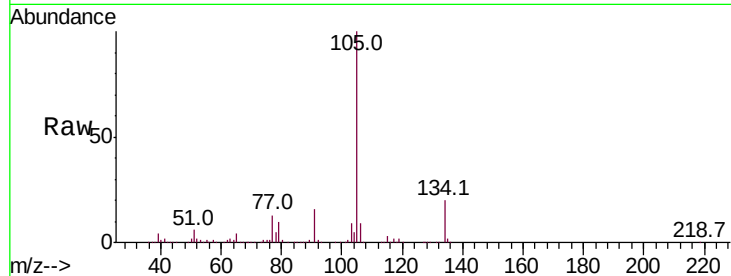




#85
 sec-Butylbenzene
 Concen: 18.914 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW012954.D
 Acq: 13 Sep 2019 14:58

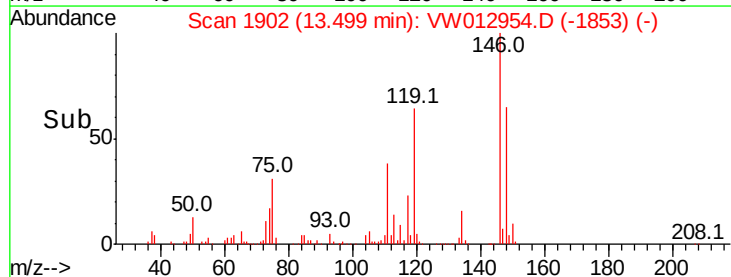
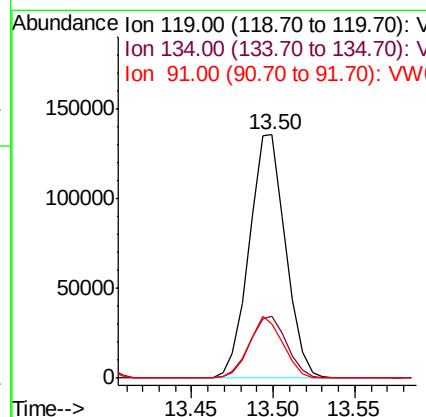
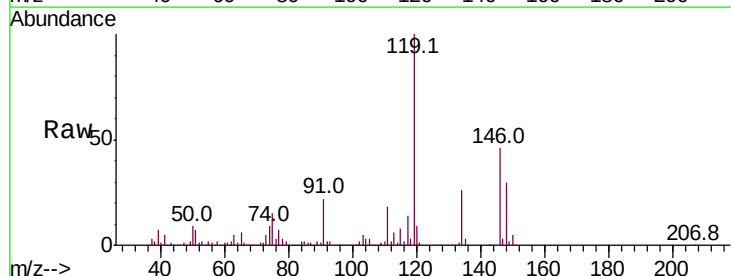
Instrument :
 MSVOA_W
 ClientSampleId :

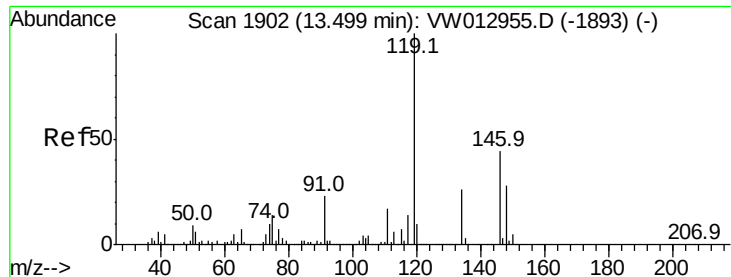
Tot Ion:105 Resp: 226095
 Ion Ratio Lower Upper
 105 100
 134 20.0 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 19.090 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW012954.D
 Acq: 13 Sep 2019 14:58

Tgt Ion:119 Resp: 209521
 Ion Ratio Lower Upper
 119 100
 134 26.0 12.8 38.3
 91 23.9 11.8 35.4





#87

1,3-Dichlorobenzene

Concen: 18.714 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

Instrument :

MSVOA_W

ClientSampled :

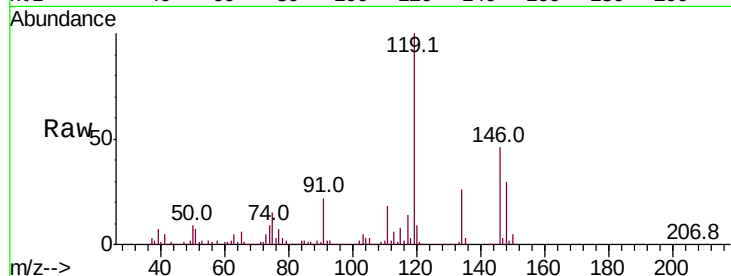
Tot Ion:146 Resp: 98957

Ion Ratio Lower Upper

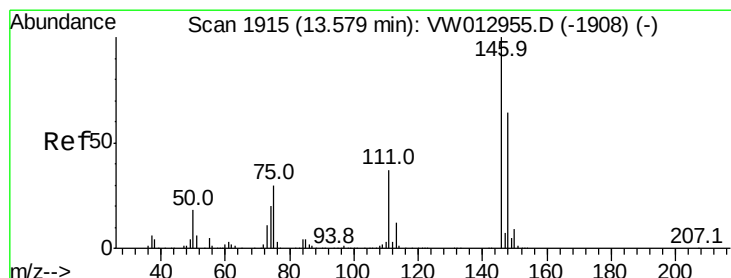
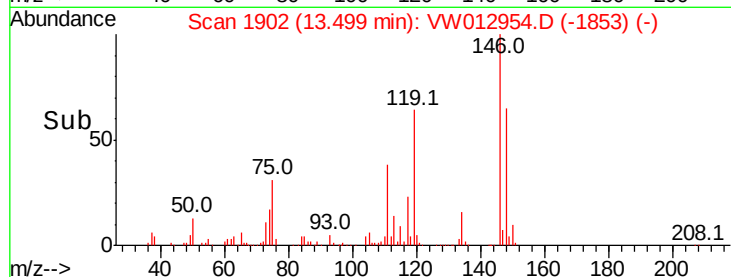
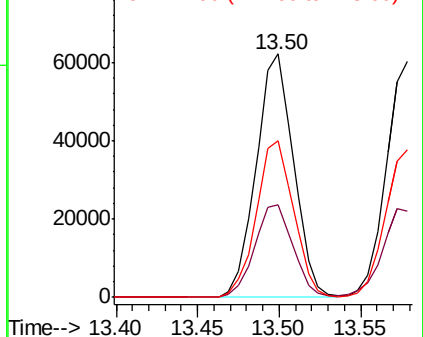
146 100

111 39.1 19.8 59.4

148 64.3 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 18.642 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

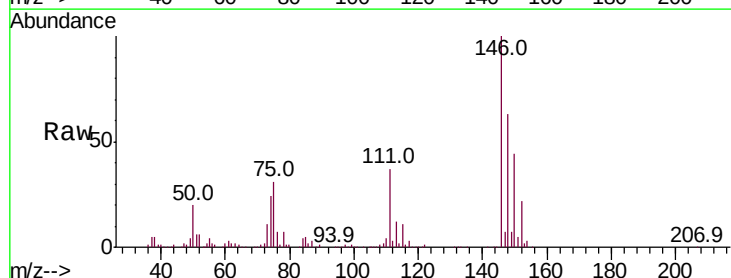
Tgt Ion:146 Resp: 96868

Ion Ratio Lower Upper

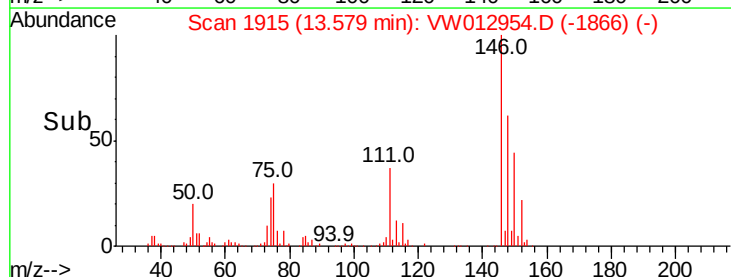
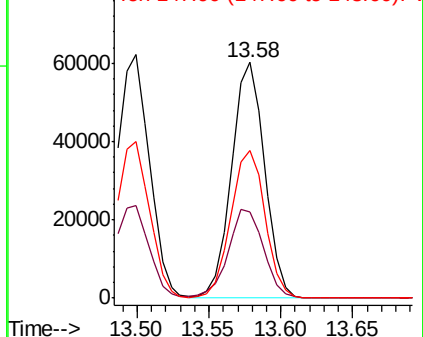
146 100

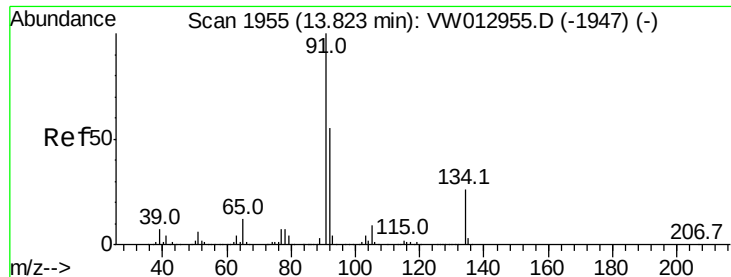
111 40.2 19.4 58.2

148 65.2 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 18.968 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

Instrument :

MSVOA_W

ClientSampleId :

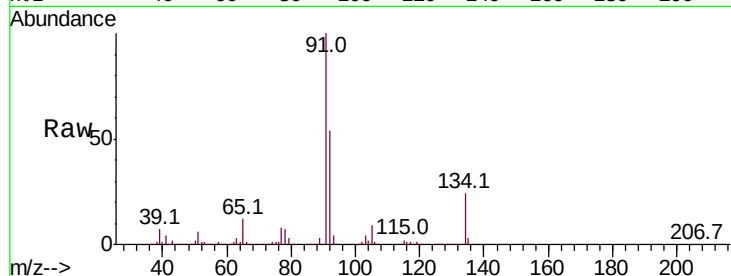
Tot Ion: 91 Resp: 196333

Ion Ratio Lower Upper

91 100

92 54.3 27.2 81.5

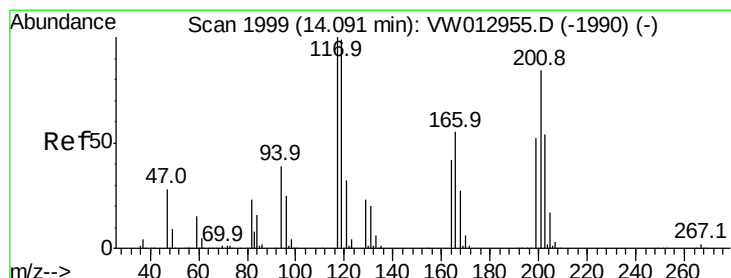
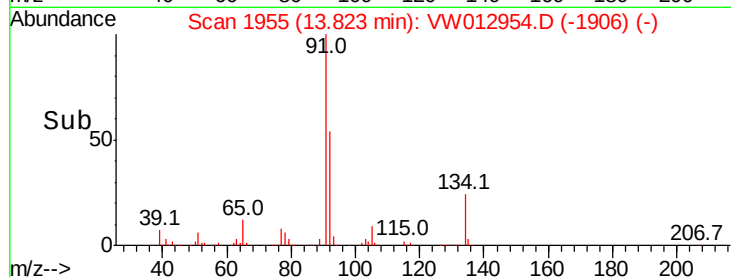
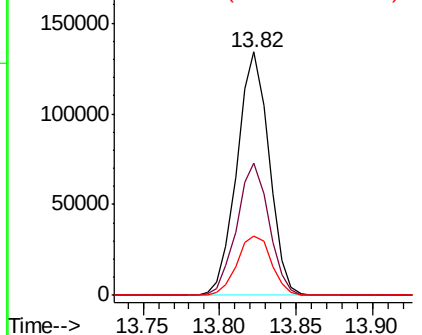
134 26.0 13.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 18.409 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW012954.D

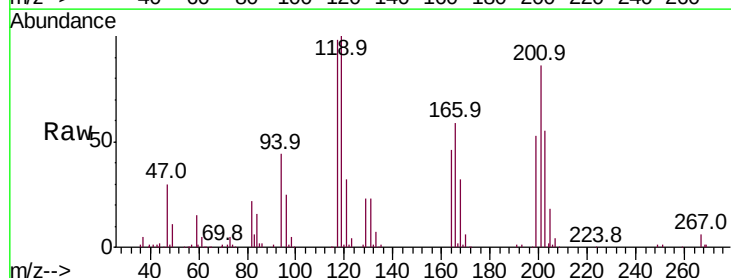
Acq: 13 Sep 2019 14:58

Tgt Ion: 117 Resp: 36207

Ion Ratio Lower Upper

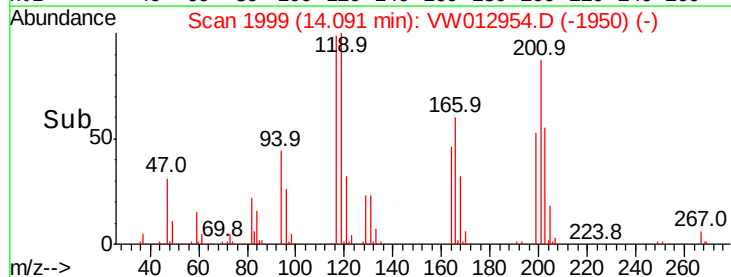
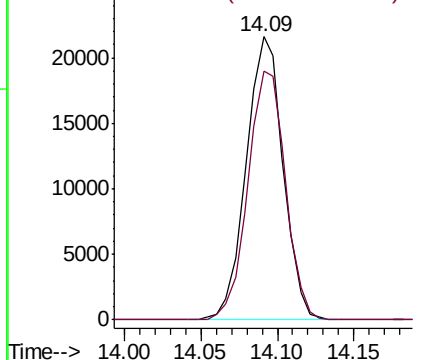
117 100

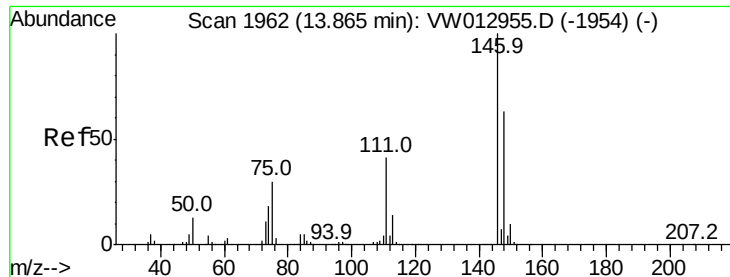
201 89.5 45.3 135.9



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

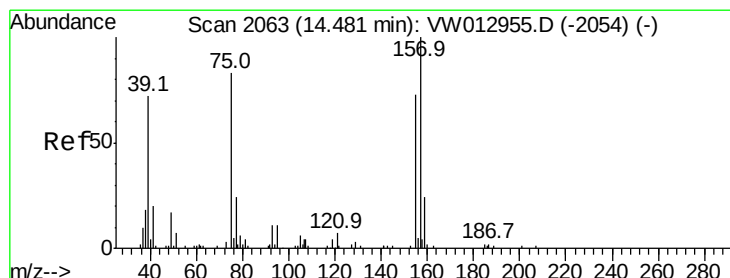
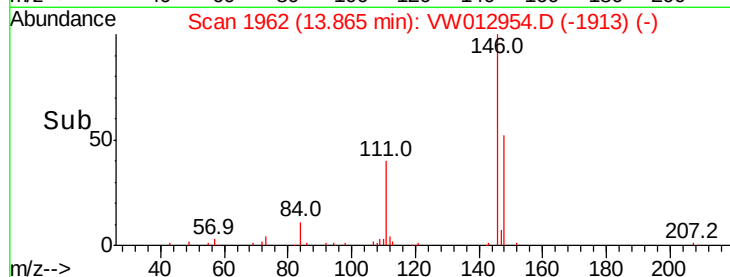
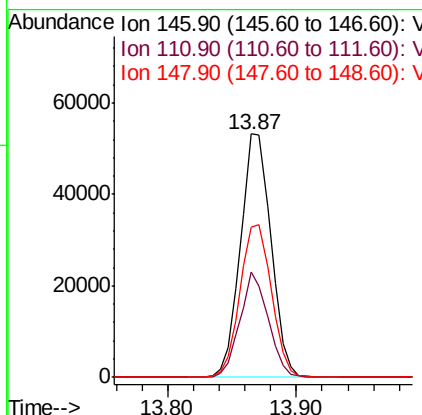
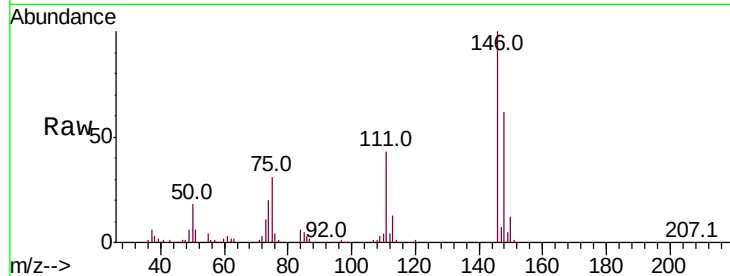




#91
 1,2-Dichlorobenzene
 Concen: 18.744 ug/l
 RT: 13.87 min Scan# 1962
 Delta R.T. 0.00 min
 Lab File: VW012954.D
 Acq: 13 Sep 2019 14:58

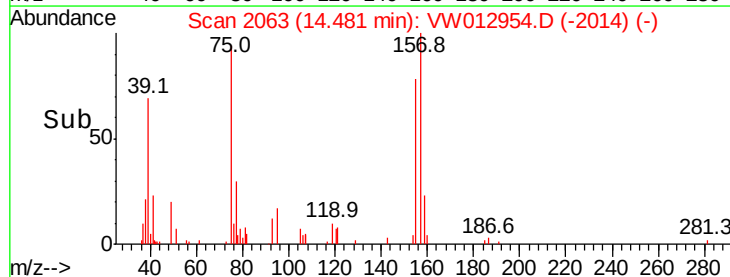
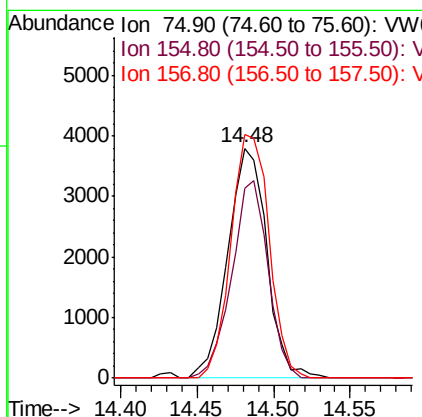
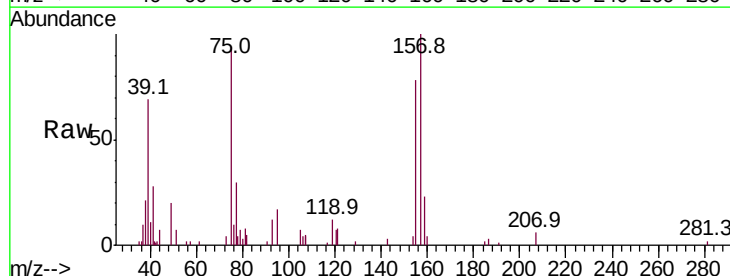
Instrument :
 MSVOA_W
 ClientSampleId :

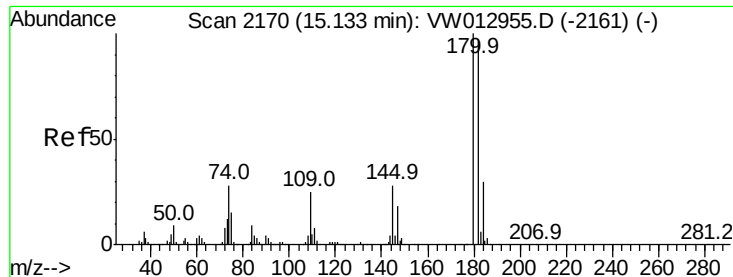
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.8	62.5
148	64.6	32.7	98.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.955 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW012954.D
 Acq: 13 Sep 2019 14:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.9	43.3	129.9
157	104.0	54.7	164.1

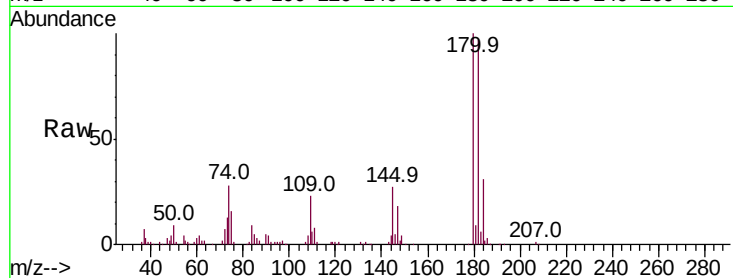




#93
 1,2,4-Trichlorobenzene
 Concen: 18.590 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW012954.D
 Acq: 13 Sep 2019 14:58

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.4	142.2
145	29.5	14.9	44.7

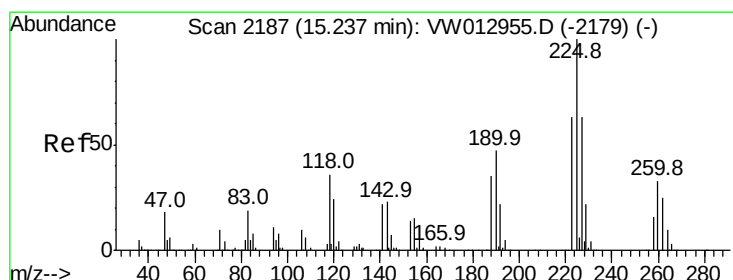
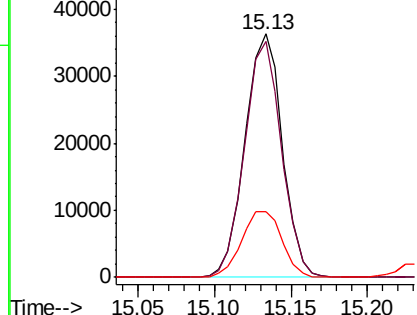
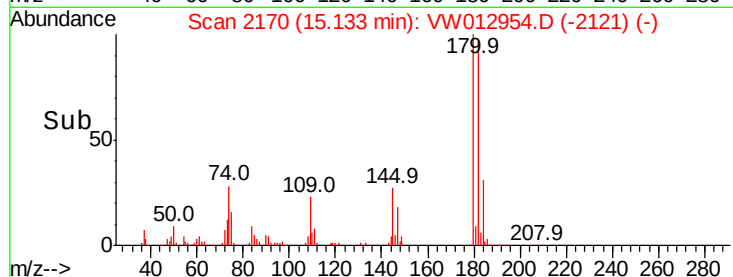


Abundance

Ion 179.80 (179.50 to 180.50): V

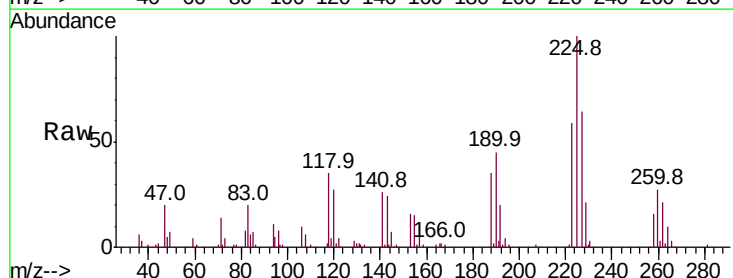
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 19.275 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VW012954.D
 Acq: 13 Sep 2019 14:58

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.8	95.3
227	64.2	31.3	93.8

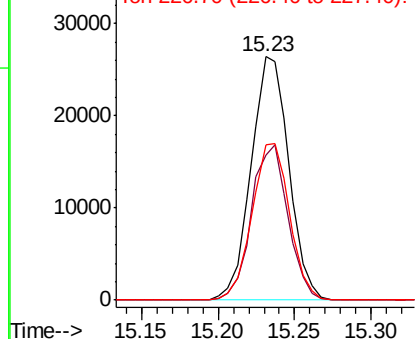
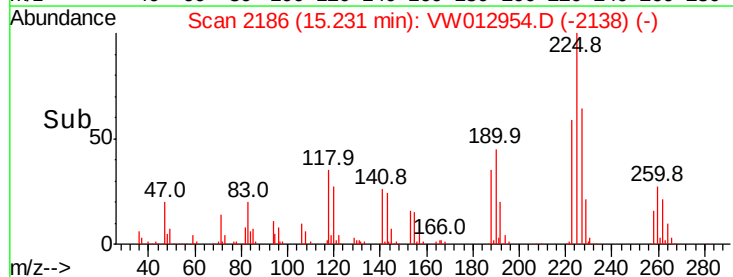


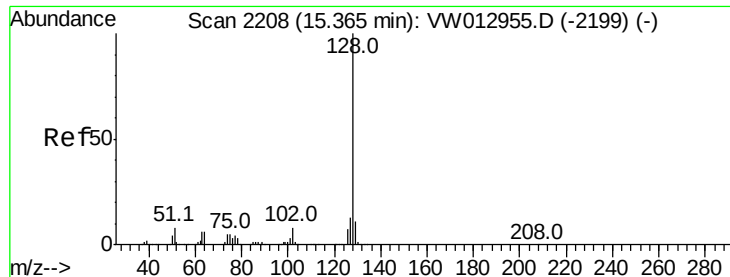
Abundance

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

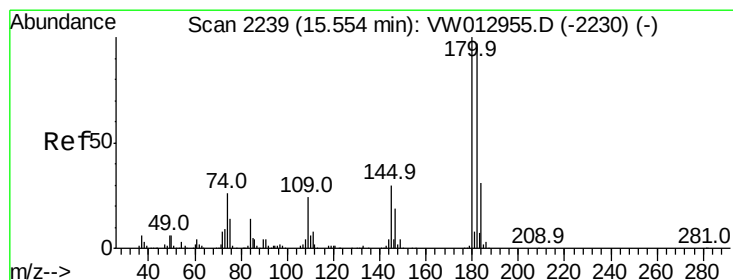
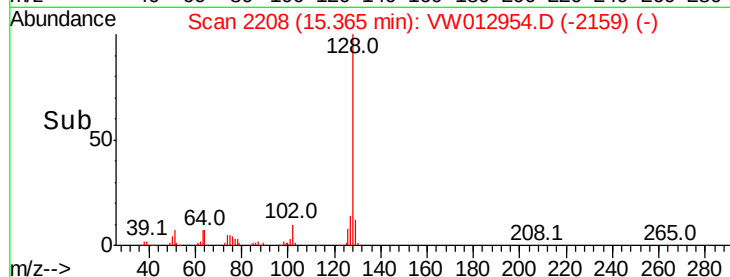
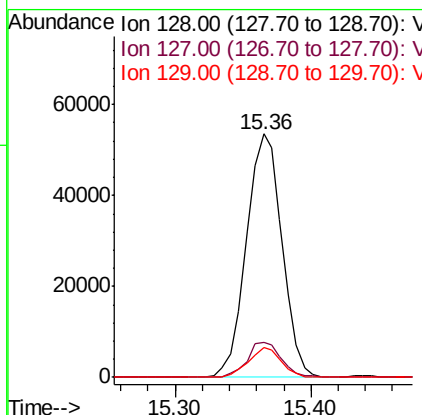
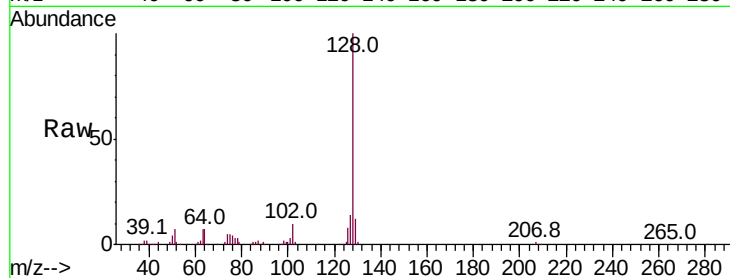




#95
Naphthalene
Concen: 17.707 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012954.D
Acq: 13 Sep 2019 14:58

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.9	11.0	16.6
129	11.3	8.6	12.8



#96
1,2,3-Trichlorobenzene
Concen: 18.684 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW012954.D
Acq: 13 Sep 2019 14:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.6	142.8
145	30.6	15.4	46.2

