

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091619\
 Data File : VW013031.D
 Acq On : 16 Sep 2019 10:29
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 16 12:15:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 17:26:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	336357	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	499592	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	408513	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	208414	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	149573	48.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.30%	
35) Dibromofluoromethane	7.88	113	132465	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	
50) Toluene-d8	10.32	98	555616	52.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.76%	
62) 4-Bromofluorobenzene	12.62	95	185340	48.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	67419	52.600	ug/l	97
3) Chloromethane	2.21	50	83407	51.696	ug/l	97
4) Vinyl Chloride	2.36	62	116997	48.596	ug/l	97
5) Bromomethane	2.78	94	68083	46.307	ug/l	95
6) Chloroethane	2.92	64	73555	49.814	ug/l	96
7) Trichlorofluoromethane	3.26	101	82406	48.947	ug/l	97
8) Diethyl Ether	3.68	74	61322	46.647	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	122787	48.086	ug/l	98
10) Methyl Iodide	4.26	142	158607	49.633	ug/l	98
11) Tert butyl alcohol	5.20	59	50650	240.741	ug/l #	89
12) 1,1-Dichloroethene	4.04	96	114016	49.108	ug/l	95
13) Acrolein	3.89	56	64910	284.402	ug/l	98
14) Allyl chloride	4.67	41	225345	51.126	ug/l	98
15) Acrylonitrile	5.36	53	163199	243.065	ug/l	99
16) Acetone	4.13	43	186183	278.429	ug/l	99
17) Carbon Disulfide	4.38	76	220216	47.596	ug/l	97
18) Methyl Acetate	4.67	43	75695	42.769	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	229753	50.132	ug/l	97
20) Methylene Chloride	4.91	84	128482	51.332	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	122893	49.421	ug/l	94
22) Diisopropyl ether	6.31	45	479949	52.416	ug/l	98
23) Vinyl Acetate	6.25	43	1431867	261.088	ug/l	98
24) 1,1-Dichloroethane	6.21	63	264789	50.155	ug/l	99
25) 2-Butanone	7.17	43	246657	249.705	ug/l	97
26) 2,2-Dichloropropane	7.17	77	183257	55.142	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	153035	51.405	ug/l	99
28) Bromochloromethane	7.51	49	122360	55.065	ug/l	99
29) Tetrahydrofuran	7.53	42	140992	250.507	ug/l	99
30) Chloroform	7.67	83	269817	50.299	ug/l	99
31) Cyclohexane	7.95	56	219262	55.821	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	222971	50.473	ug/l	99
36) 1,1-Dichloropropene	8.08	75	201108	50.376	ug/l	99
37) Ethyl Acetate	7.25	43	102417	48.333	ug/l	99
38) Carbon Tetrachloride	8.06	117	202529	49.505	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	223398	51.067	ug/l	97
40) Benzene	8.32	78	572622	51.380	ug/l	99
41) Methacrylonitrile	7.48	41	65497	46.937	ug/l	96
42) 1,2-Dichloroethane	8.40	62	179129	47.947	ug/l	98
43) Isopropyl Acetate	8.42	43	206382	50.726	ug/l	99
44) Trichloroethene	9.09	130	150276	49.228	ug/l	100
45) 1,2-Dichloropropane	9.37	63	155404	52.483	ug/l	99
46) Dibromomethane	9.46	93	68905	48.572	ug/l	99
47) Bromodichloromethane	9.64	83	205773	51.712	ug/l	99
48) Methyl methacrylate	9.43	41	95293	49.906	ug/l	97
49) 1,4-Dioxane	9.46	88	21636	910.197	ug/l #	74
51) 4-Methyl-2-Pentanone	10.21	43	523664	249.305	ug/l	100
52) Toluene	10.38	92	354353	50.037	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	209973	52.467	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	245203	53.549	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	109003	50.438	ug/l	97
56) Ethyl methacrylate	10.65	69	155269	53.377	ug/l	99
57) 1,3-Dichloropropane	10.93	76	196650	51.296	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	390320	250.137	ug/l	99
59) 2-Hexanone	10.97	43	392630	268.447	ug/l	100
60) Dibromochloromethane	11.13	129	131410	50.295	ug/l	98
61) 1,2-Dibromoethane	11.23	107	99149	50.293	ug/l	99
64) Tetrachloroethene	10.86	164	126789	52.171	ug/l	97
65) Chlorobenzene	11.66	112	381083	52.371	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	146655	52.593	ug/l	99
67) Ethyl Benzene	11.73	91	716661	53.327	ug/l	99
68) m/p-Xylenes	11.84	106	531063	108.172	ug/l	100
69) o-Xylene	12.16	106	251483	54.638	ug/l	100
70) Styrene	12.18	104	453383	55.374	ug/l	98
71) Bromoform	12.35	173	79473	54.258	ug/l #	100
73) Isopropylbenzene	12.46	105	729956	52.841	ug/l	100
74) N-amyl acetate	12.27	43	193326	54.403	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	123410	50.864	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	165219	90.504	ug/l #	100
77) Bromobenzene	12.74	156	162247	50.982	ug/l	99
78) n-propylbenzene	12.80	91	860335	52.945	ug/l	100
79) 2-Chlorotoluene	12.89	91	487601	52.199	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	612418	52.402	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	42597	52.932	ug/l	99
82) 4-Chlorotoluene	12.99	91	516213	52.375	ug/l	99
83) tert-Butylbenzene	13.21	119	554919	53.085	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	614915	53.246	ug/l	98
85) sec-Butylbenzene	13.38	105	768122	53.933	ug/l	99
86) p-Isopropyltoluene	13.49	119	698847	53.445	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	324339	51.483	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	322197	52.043	ug/l	100
89) n-Butylbenzene	13.82	91	685334	55.575	ug/l	99
90) Hexachloroethane	14.09	117	125661	53.626	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	284896	51.423	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	21685	48.827	ug/l	98

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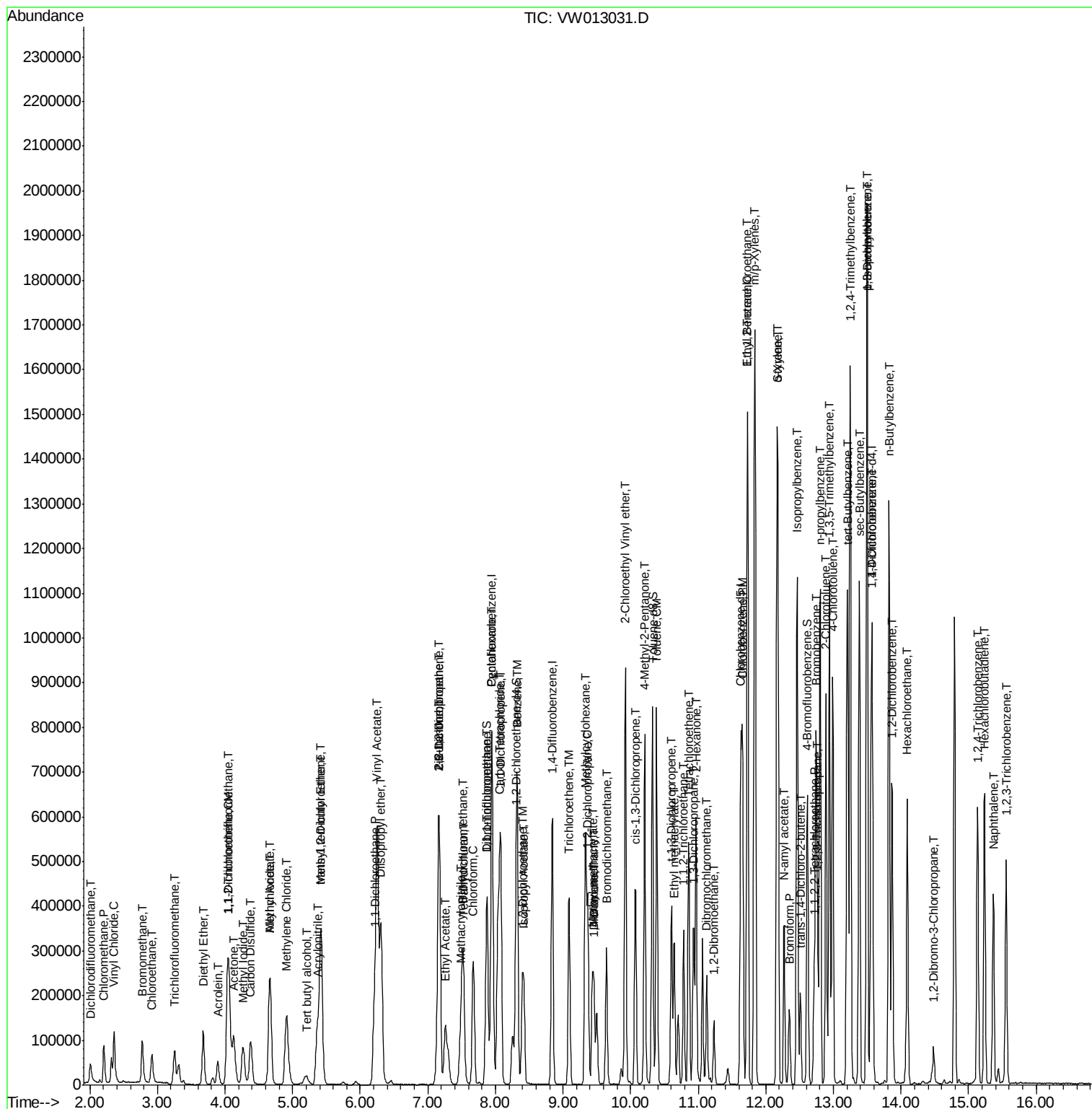
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	207735	52.577	ug/l	99
94) Hexachlorobutadiene	15.24	225	141438	50.567	ug/l	99
95) Naphthalene	15.36	128	357131	54.096	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	183171	52.444	ug/l	100

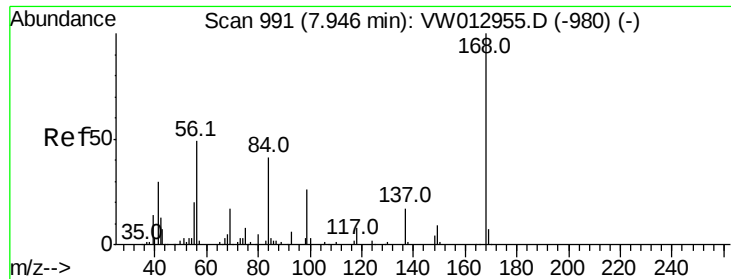
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

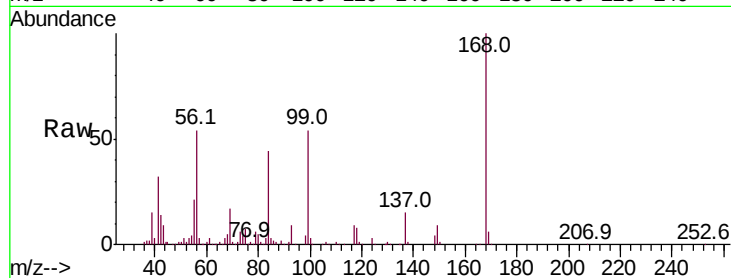
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 336357

Ion Ratio Lower Upper

168 100

99 53.5 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

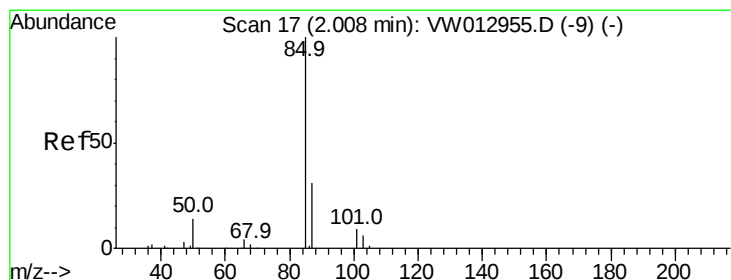
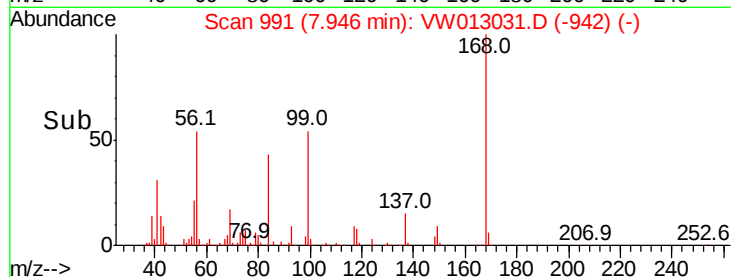
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 52.600 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013031.D

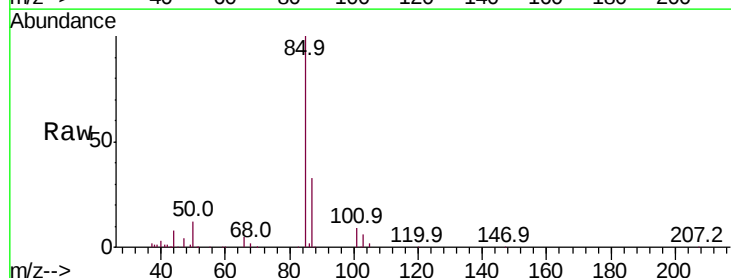
Acq: 16 Sep 2019 10:29

Tgt Ion: 85 Resp: 67419

Ion Ratio Lower Upper

85 100

87 32.6 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

25000

20000

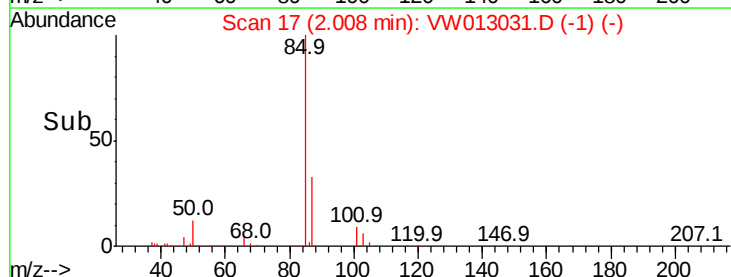
15000

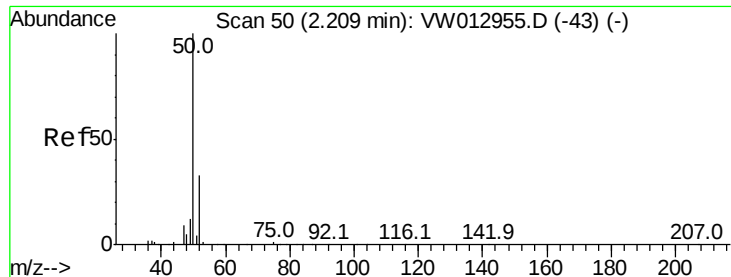
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 51.696 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

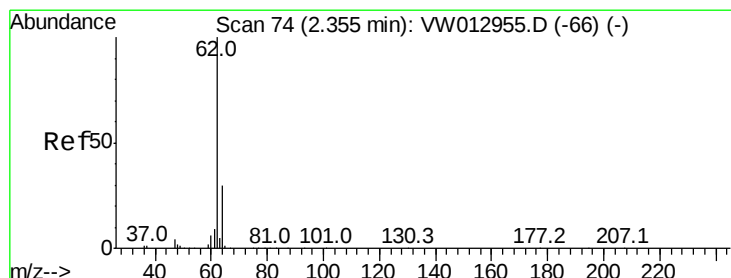
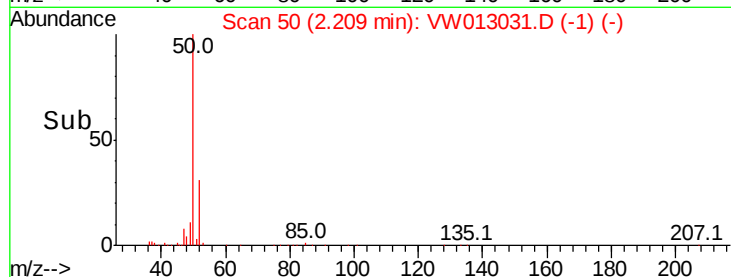
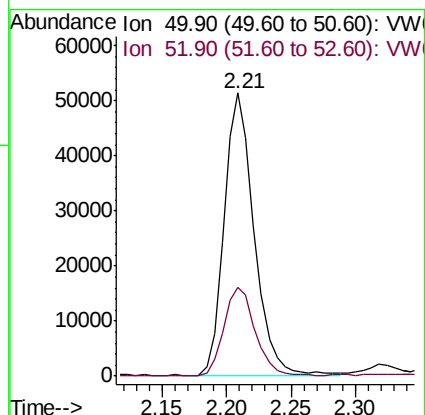
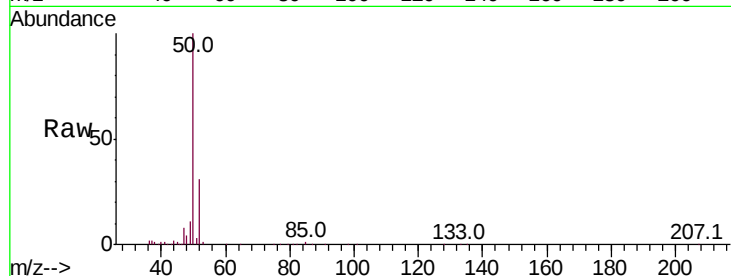
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 50 Resp: 83407

Ion Ratio Lower Upper

50 100

52 31.3 26.6 39.8



#4

Vinyl Chloride

Concen: 48.596 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW013031.D

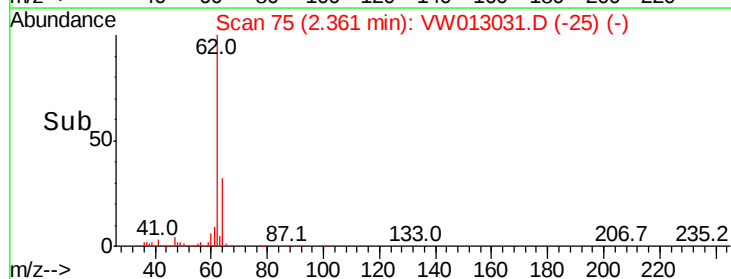
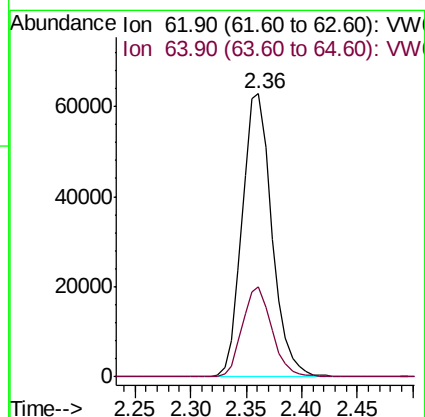
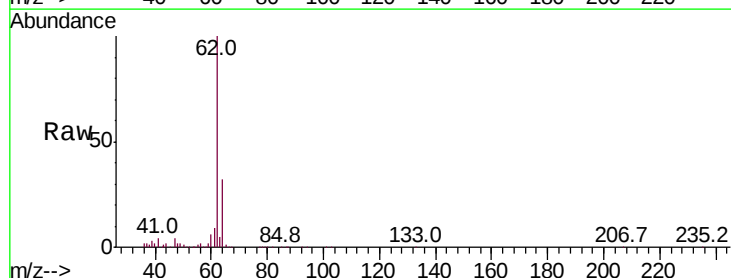
Acq: 16 Sep 2019 10:29

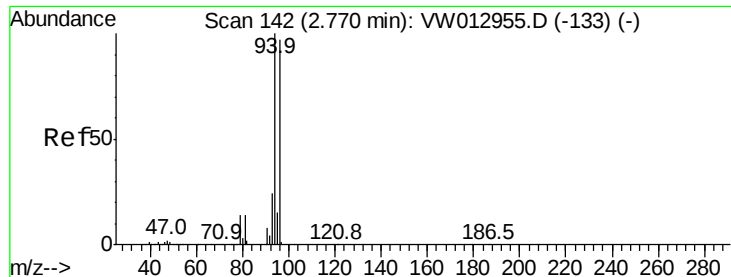
Tgt Ion: 62 Resp: 116997

Ion Ratio Lower Upper

62 100

64 31.8 24.2 36.4





#5

Bromomethane

Concen: 46.307 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

Instrument :

MSVOA_W

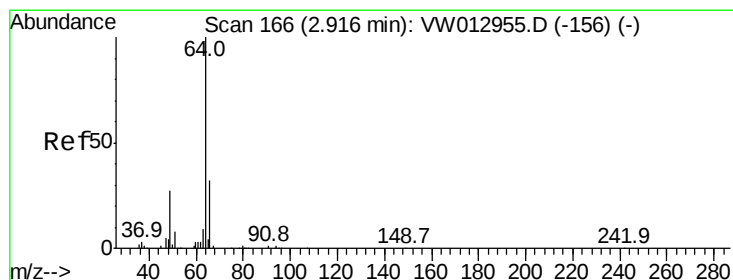
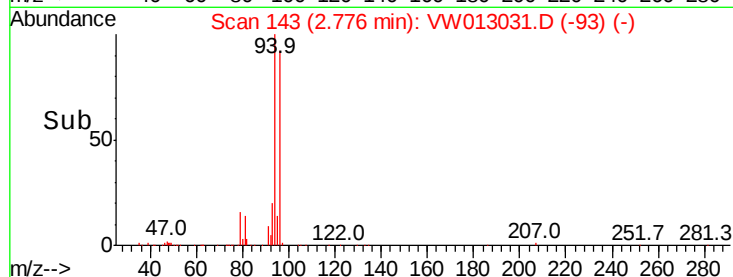
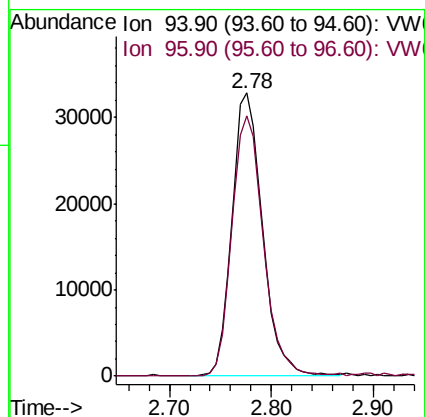
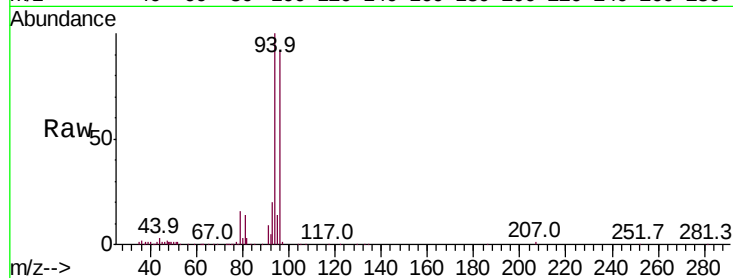
ClientSampleId :

Tot Ion: 94 Resp: 68083

Ion Ratio Lower Upper

94 100

96 92.0 77.8 116.6



#6

Chloroethane

Concen: 49.814 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW013031.D

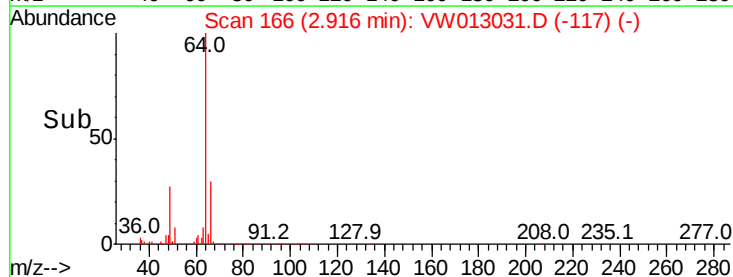
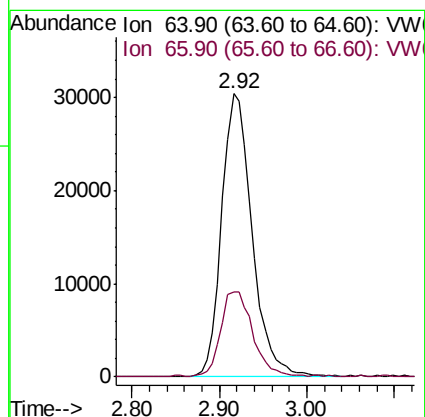
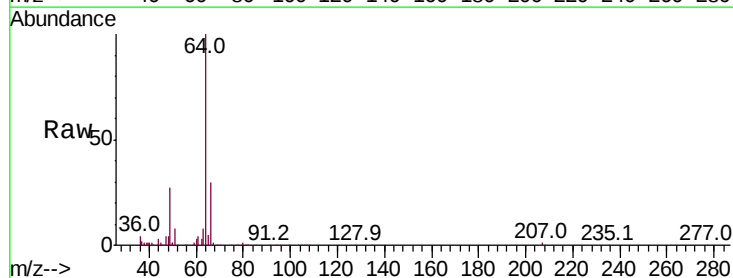
Acq: 16 Sep 2019 10:29

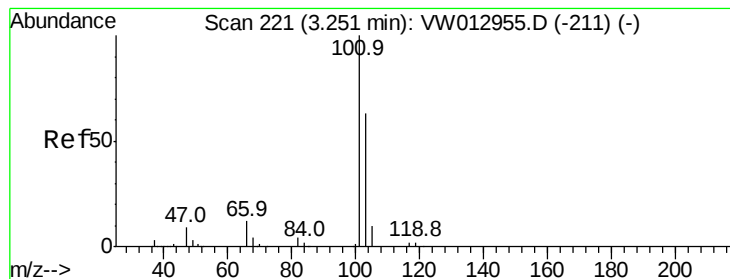
Tgt Ion: 64 Resp: 73555

Ion Ratio Lower Upper

64 100

66 30.0 25.9 38.9



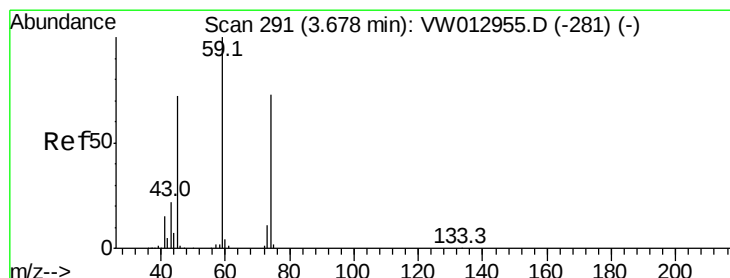
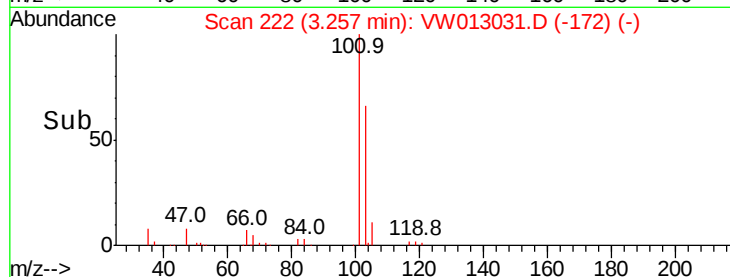
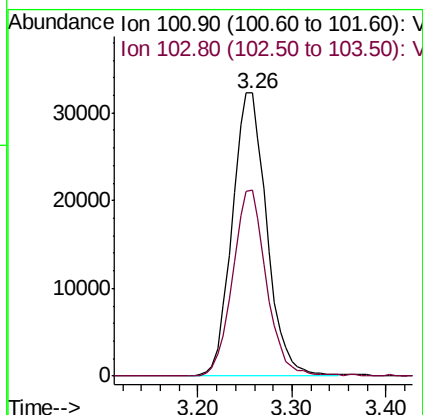
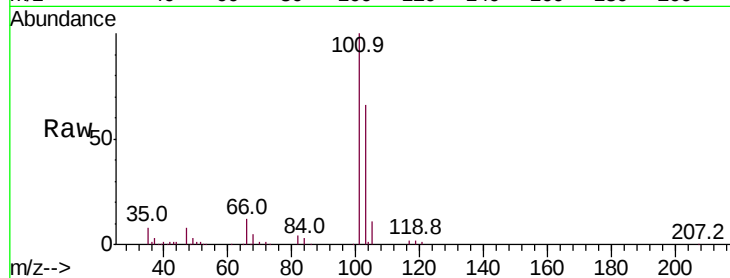


#7

Trichlorofluoromethane
Concen: 48.947 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.01 min
Lab File: VW013031.D
Acq: 16 Sep 2019 10:29

Instrument :
MSVOA_W
ClientSampleId :

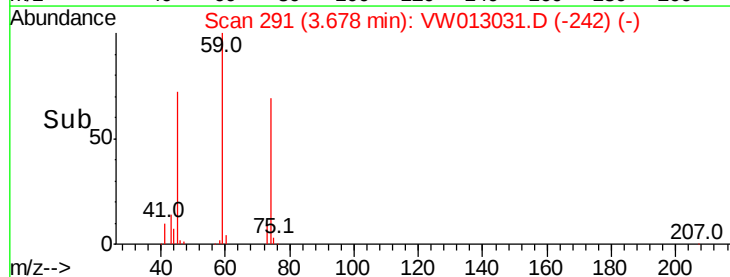
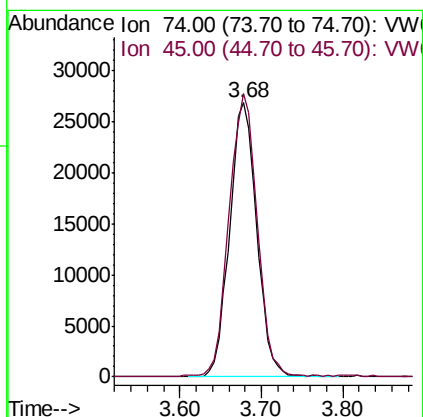
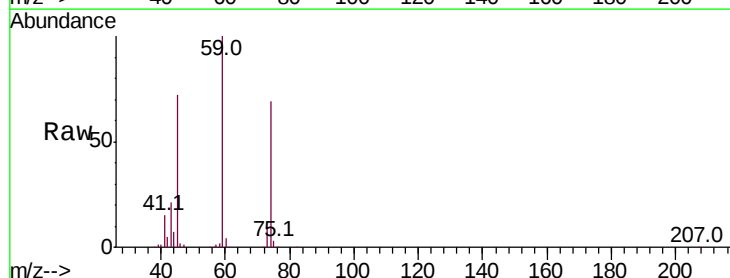
Tot Ion:101 Resp: 82406
Ion Ratio Lower Upper
101 100
103 65.6 50.7 76.1

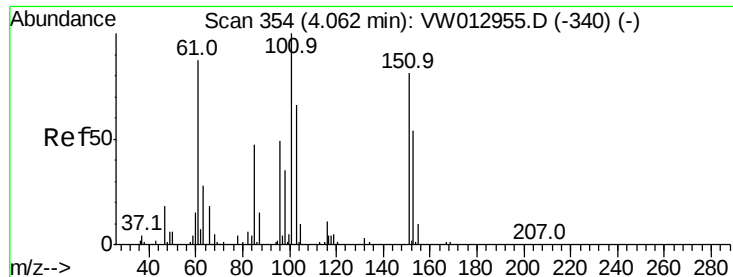


#8

Diethyl Ether
Concen: 46.647 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW013031.D
Acq: 16 Sep 2019 10:29

Tgt Ion: 74 Resp: 61322
Ion Ratio Lower Upper
74 100
45 108.1 53.8 161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.086 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

Instrument :

MSVOA_W

ClientSampleId :

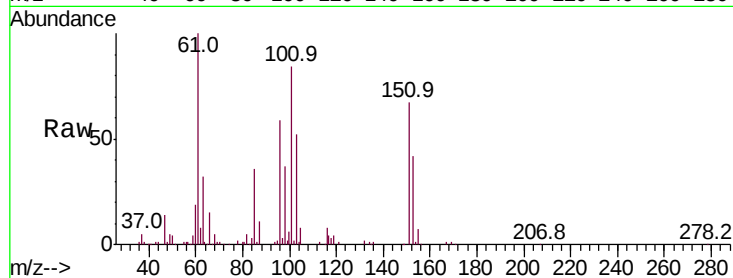
Tot Ion:101 Resp: 122787

Ion Ratio Lower Upper

101 100

85 44.7 34.9 52.3

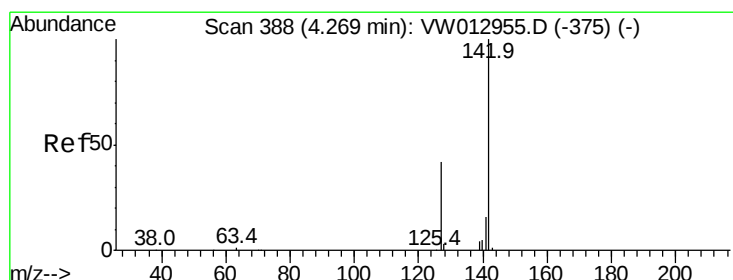
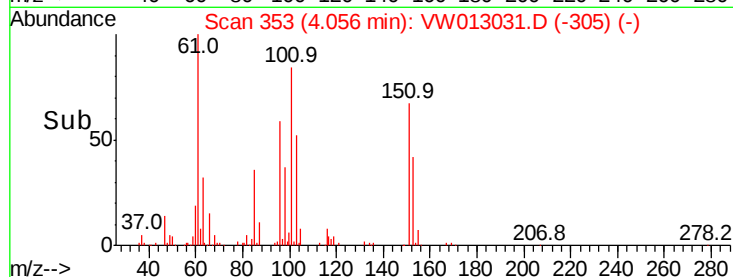
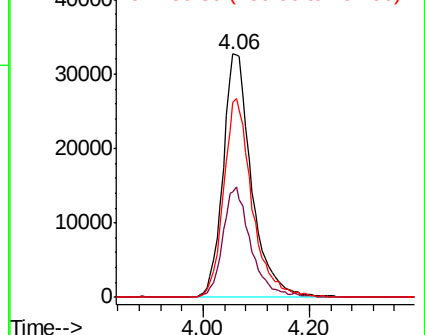
151 81.0 66.0 99.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.633 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

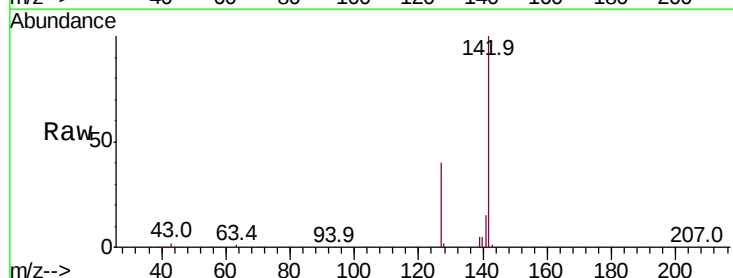
Tgt Ion:142 Resp: 158607

Ion Ratio Lower Upper

142 100

127 41.6 34.7 52.1

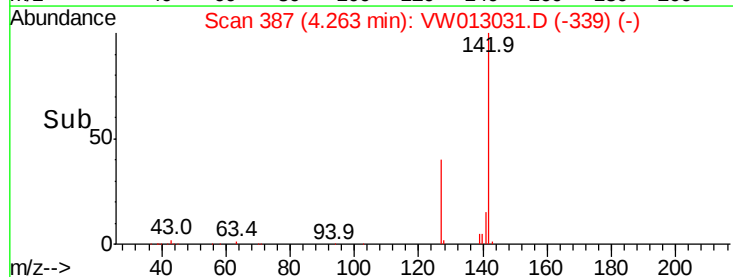
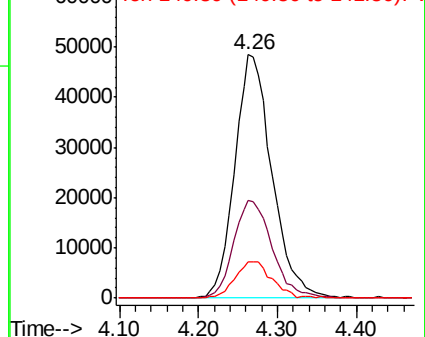
141 14.7 12.2 18.2

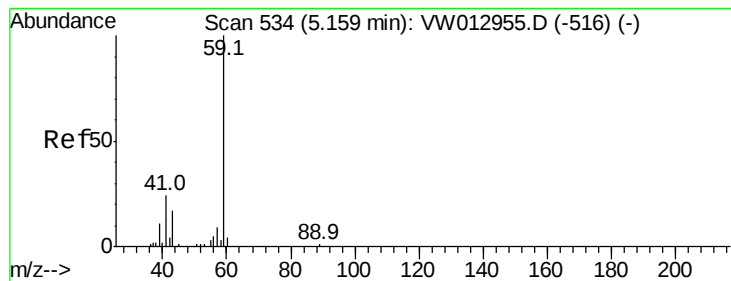


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



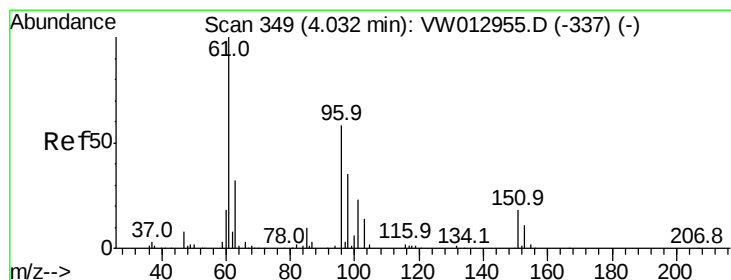
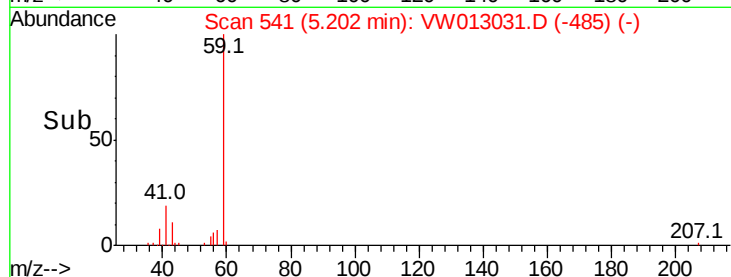
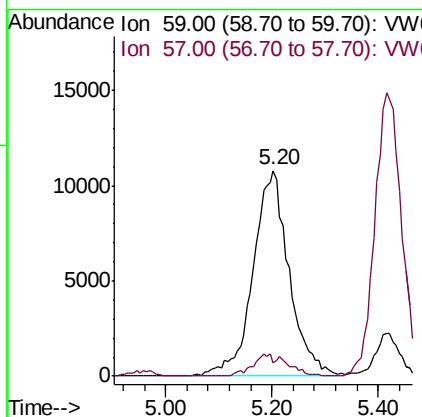
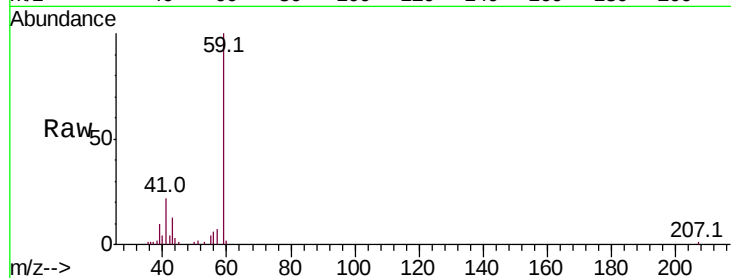


#11

Tert butyl alcohol
Concen: 240.741 ug/l
RT: 5.20 min Scan# 541
Delta R.T. 0.04 min
Lab File: VW013031.D
Acq: 16 Sep 2019 10:29

Instrument :
MSVOA_W
ClientSampleId :

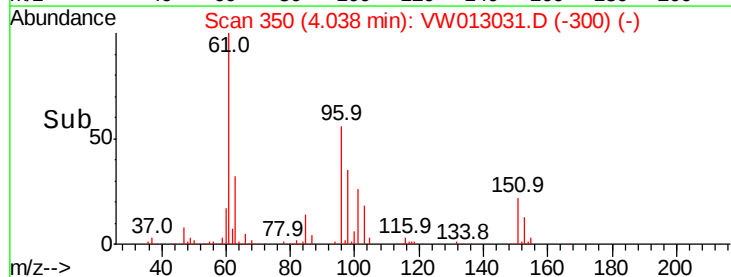
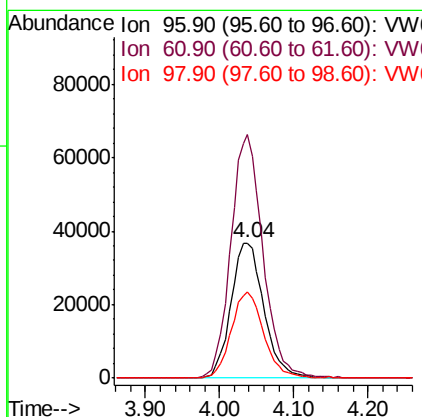
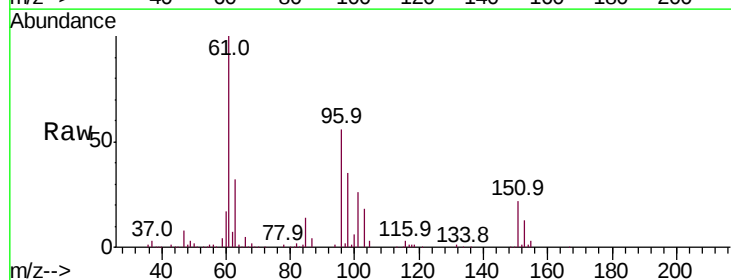
Tot Ion: 59 Resp: 50650
Ion Ratio Lower Upper
59 100
57 6.5 8.5 12.7#

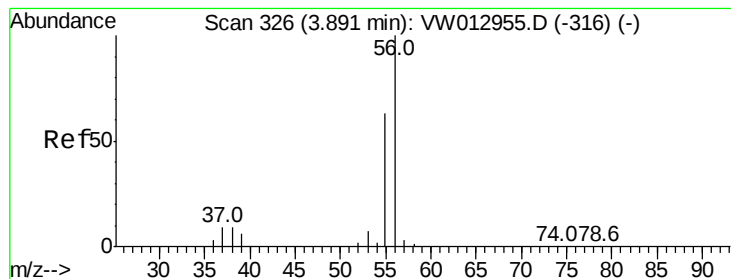


#12

1,1-Dichloroethene
Concen: 49.108 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.01 min
Lab File: VW013031.D
Acq: 16 Sep 2019 10:29

Tgt Ion: 96 Resp: 114016
Ion Ratio Lower Upper
96 100
61 179.9 137.9 206.9
98 63.7 48.9 73.3





#13

Acrolein

Concen: 284.402 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

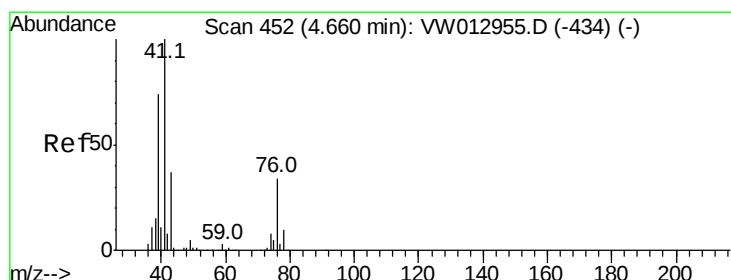
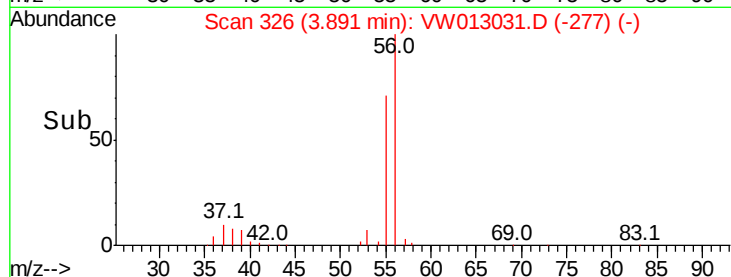
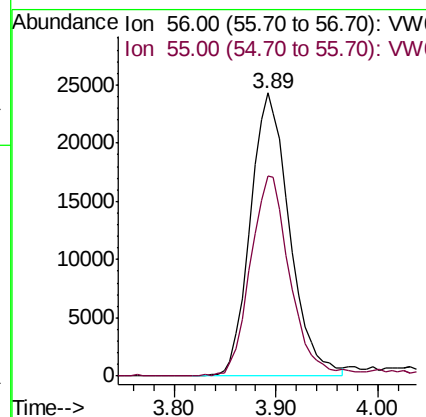
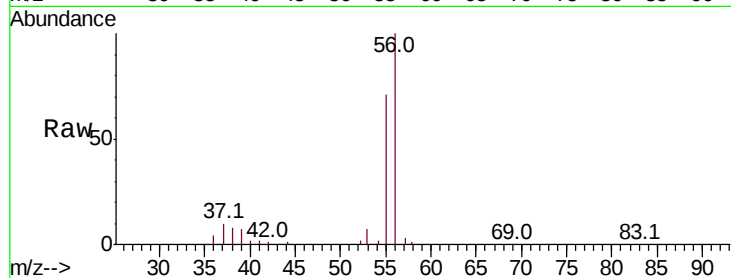
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 64910

Ion Ratio Lower Upper

56 100

55 71.3 55.8 83.8



#14

Allyl chloride

Concen: 51.126 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

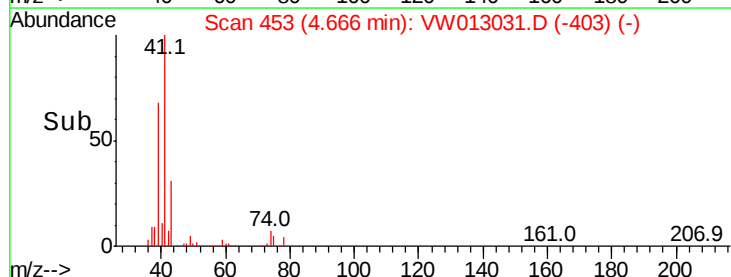
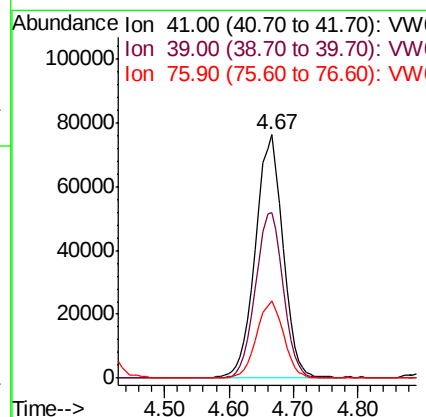
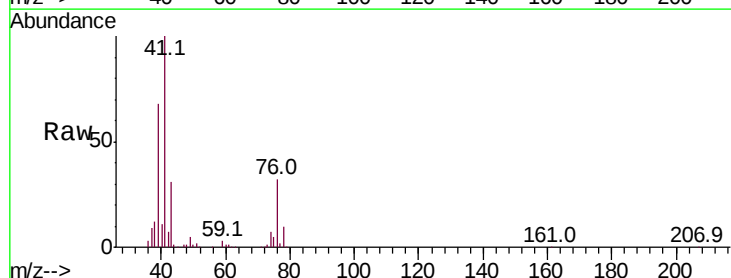
Tgt Ion: 41 Resp: 225345

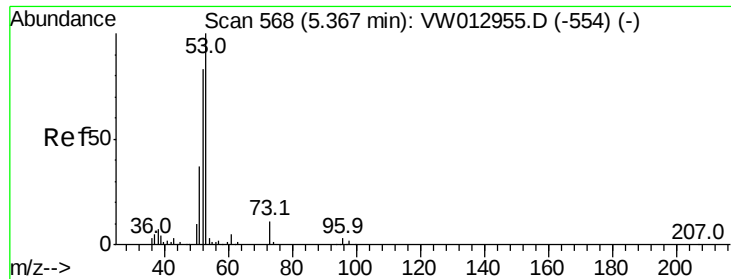
Ion Ratio Lower Upper

41 100

39 68.3 56.7 85.1

76 30.9 25.1 37.7





#15

Acrylonitrile

Concen: 243.065 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

Instrument :

MSVOA_W

ClientSampleId :

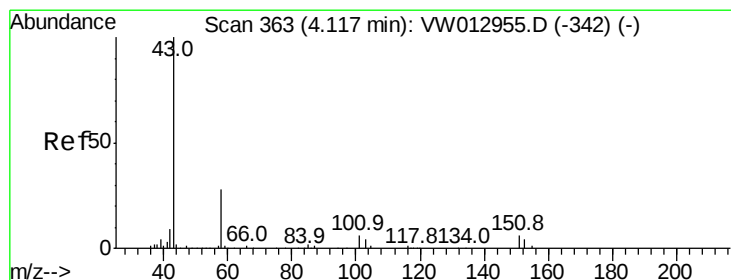
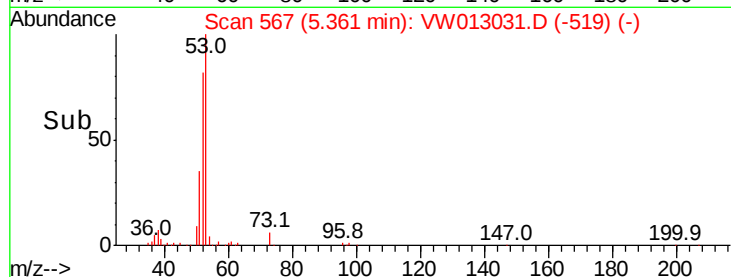
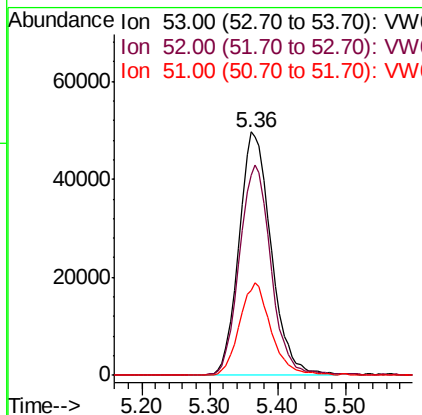
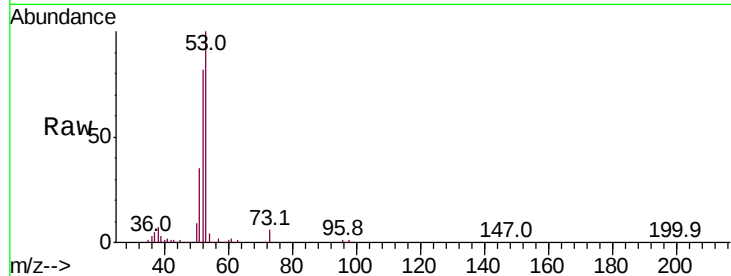
Tot Ion: 53 Resp: 163199

Ion Ratio Lower Upper

53 100

52 84.5 66.6 100.0

51 37.3 29.8 44.8



#16

Acetone

Concen: 278.429 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW013031.D

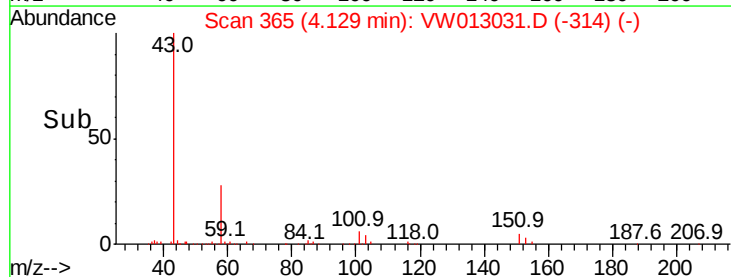
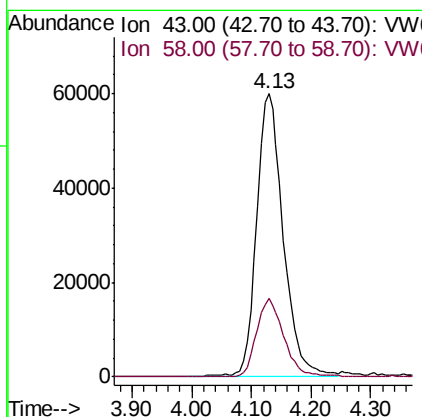
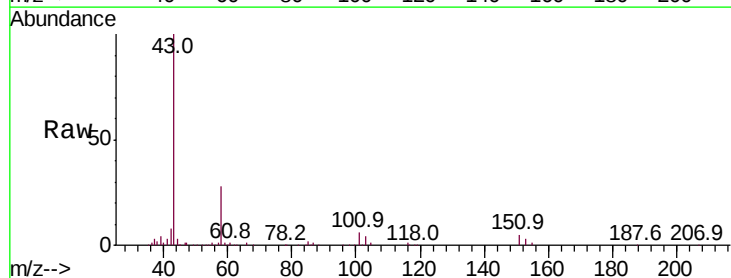
Acq: 16 Sep 2019 10:29

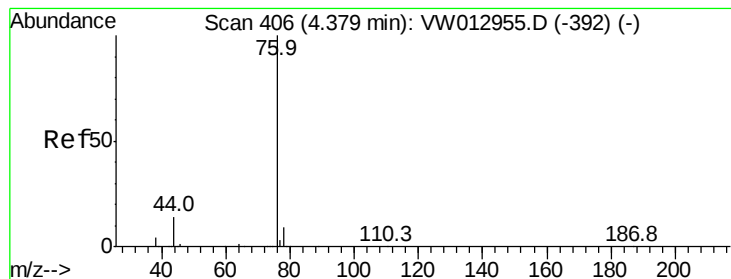
Tgt Ion: 43 Resp: 186183

Ion Ratio Lower Upper

43 100

58 27.6 22.3 33.5





#17

Carbon Disulfide

Concen: 47.596 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

Instrument :

MSVOA_W

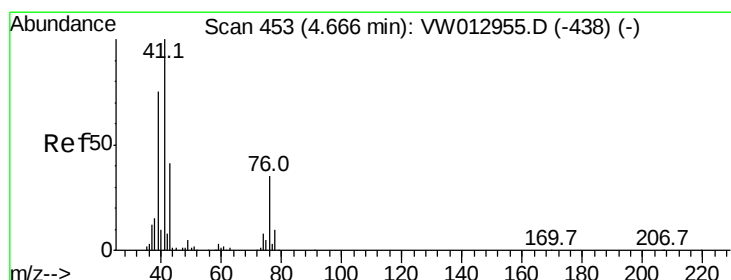
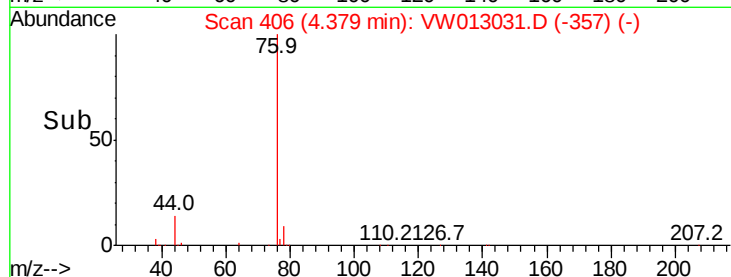
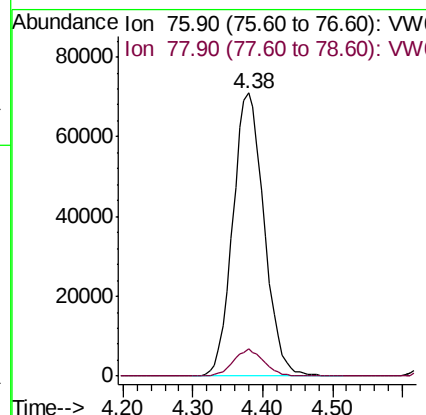
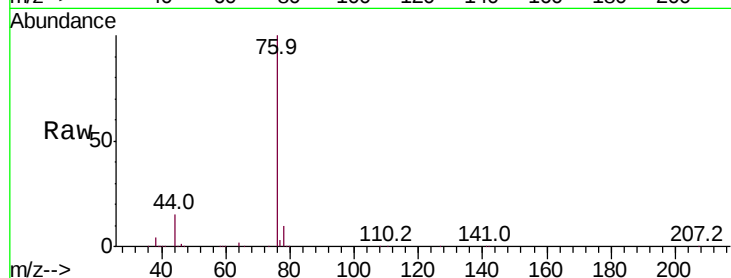
ClientSampled :

Tot Ion: 76 Resp: 220216

Ion Ratio Lower Upper

76 100

78 9.8 7.0 10.4



#18

Methyl Acetate

Concen: 42.769 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW013031.D

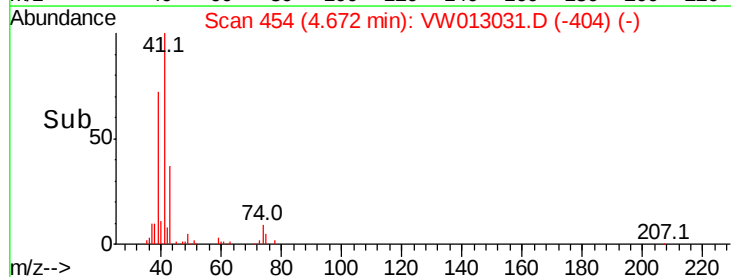
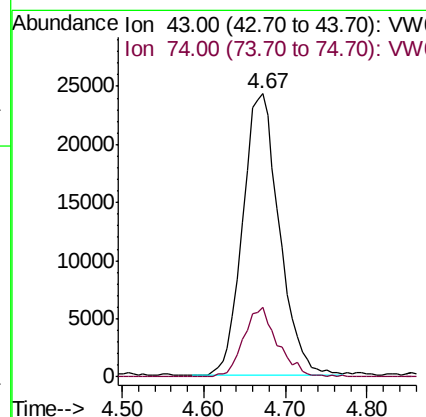
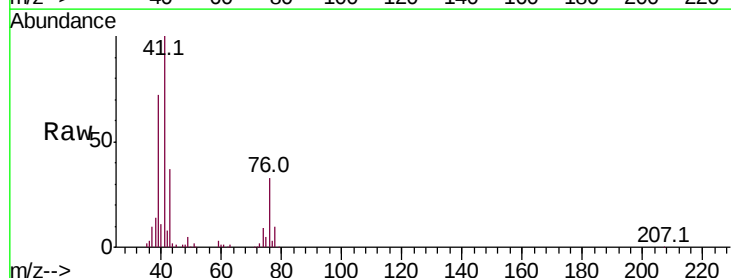
Acq: 16 Sep 2019 10:29

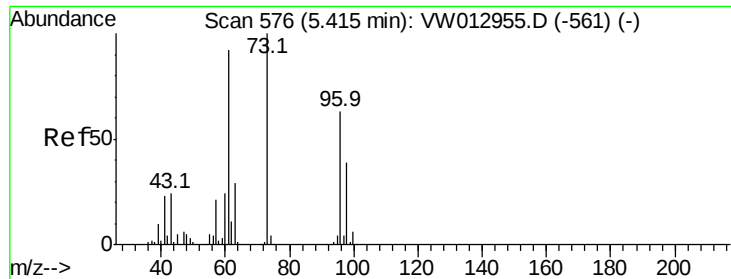
Tgt Ion: 43 Resp: 75695

Ion Ratio Lower Upper

43 100

74 23.0 17.8 26.8



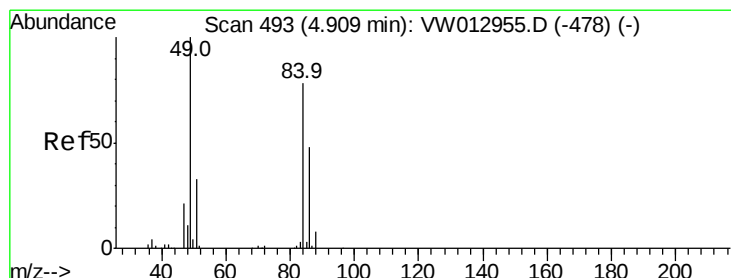
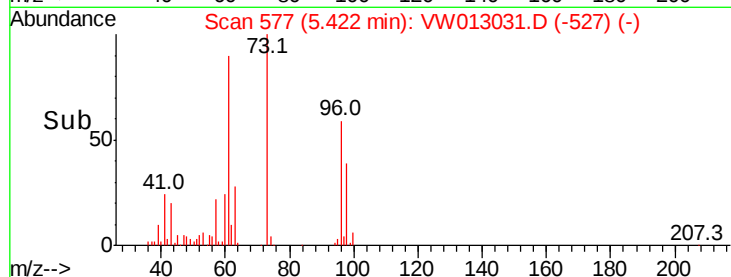
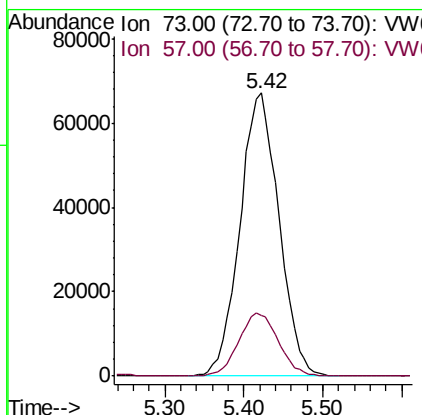
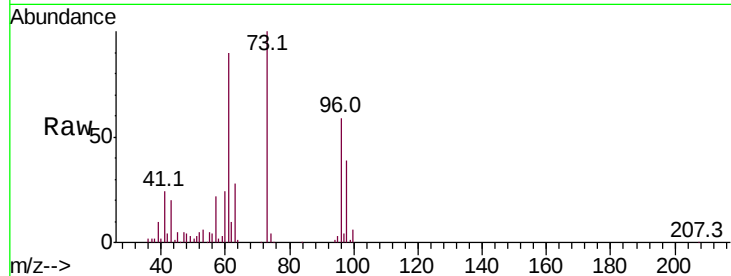


#19

Methyl tert-butyl Ether
 Concen: 50.132 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. 0.01 min
 Lab File: VW013031.D
 Acq: 16 Sep 2019 10:29

Instrument :
 MSVOA_W
 ClientSampleId :

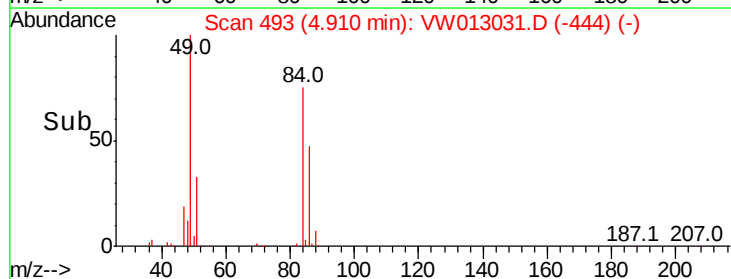
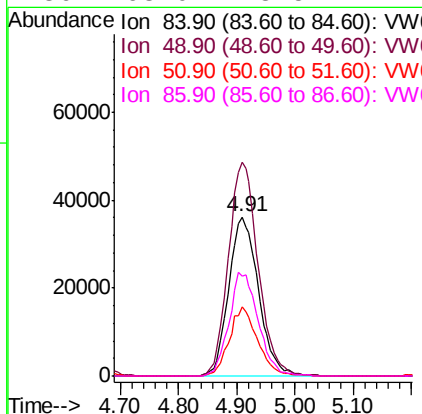
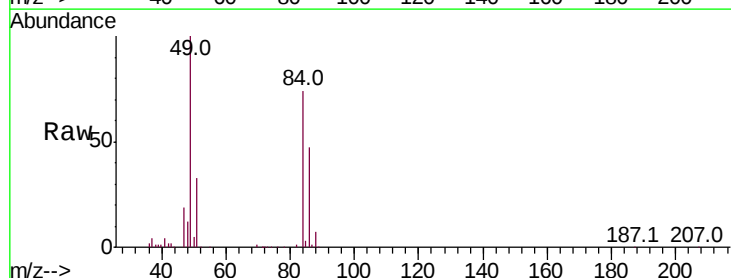
Tot Ion: 73 Resp: 229753
 Ion Ratio Lower Upper
 73 100
 57 21.7 16.4 24.6

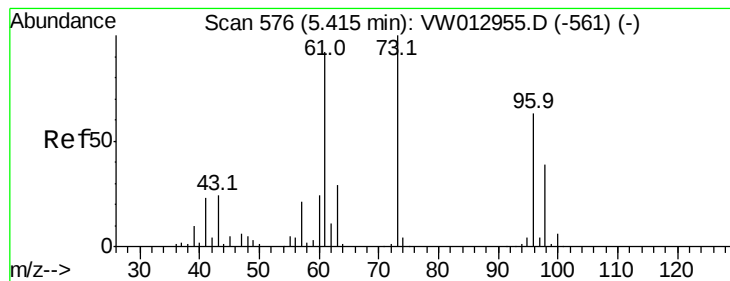


#20

Methylene Chloride
 Concen: 51.332 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. 0.00 min
 Lab File: VW013031.D
 Acq: 16 Sep 2019 10:29

Tgt Ion: 84 Resp: 128482
 Ion Ratio Lower Upper
 84 100
 49 134.3 102.0 153.0
 51 43.9 34.0 51.0
 86 63.0 48.5 72.7





#21

trans-1,2-Dichloroethene

Concen: 49.421 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

Instrument :
MSVOA_W
ClientSampleId :

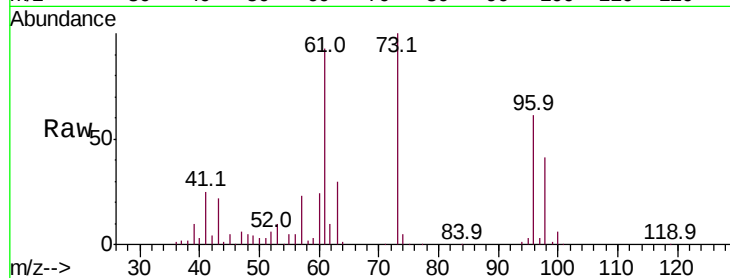
Tot Ion: 96 Resp: 122893

Ion Ratio Lower Upper

96 100

61 152.0 116.2 174.2

98 66.9 49.8 74.6

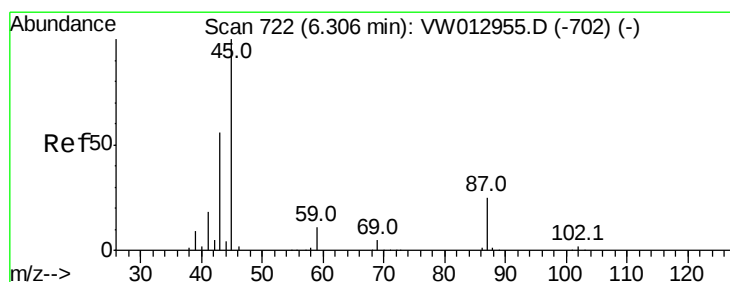
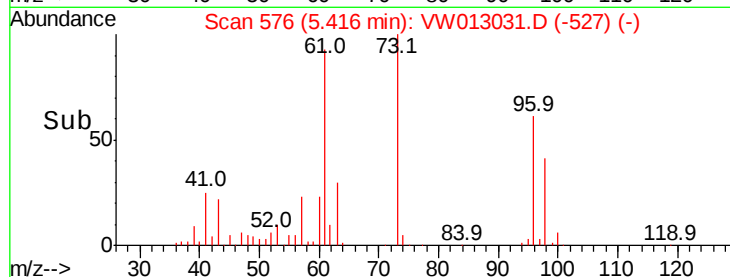
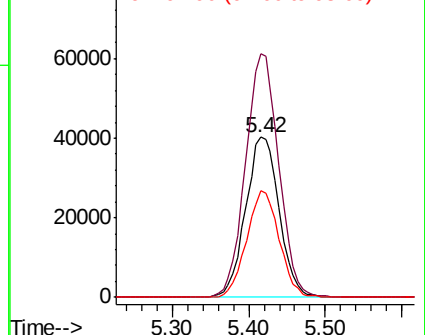


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 52.416 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

Tgt Ion: 45 Resp: 479949

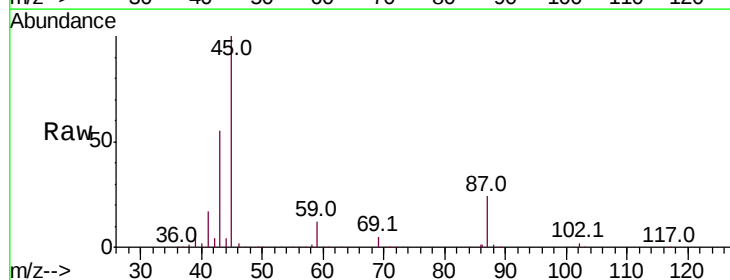
Ion Ratio Lower Upper

45 100

43 54.5 44.6 67.0

87 24.0 20.0 30.0

59 11.4 8.7 13.1



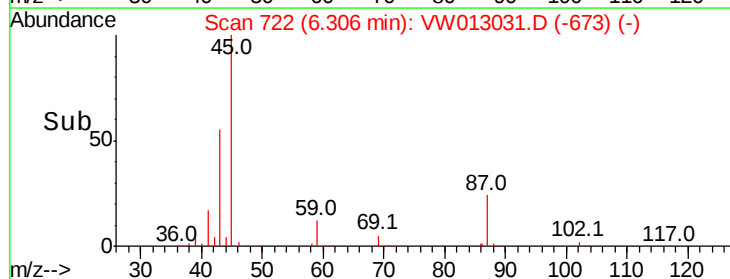
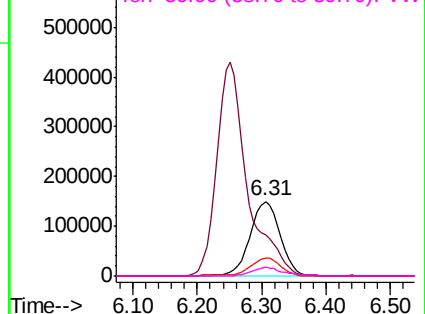
Abundance

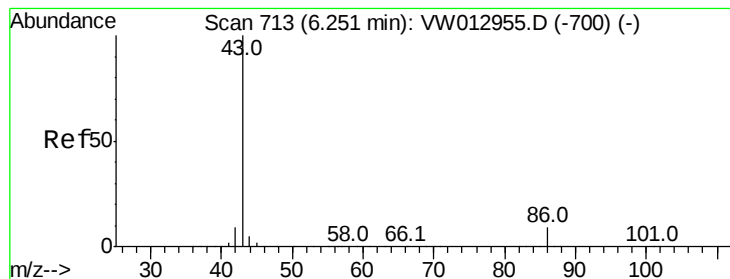
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 261.088 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

Instrument :

MSVOA_W

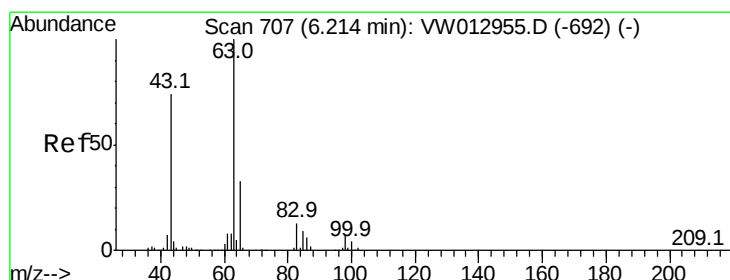
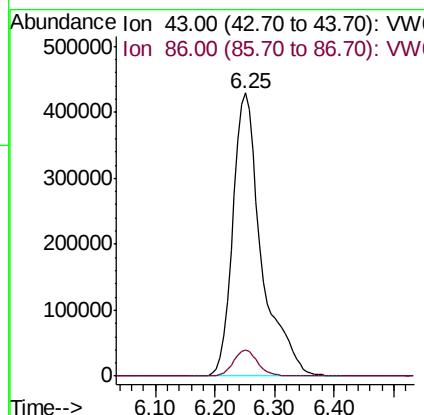
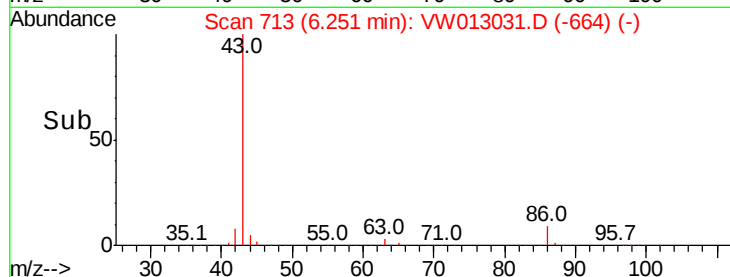
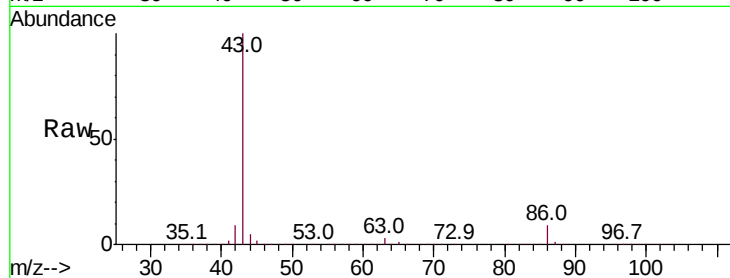
ClientSampled :

Tot Ion: 43 Resp: 1431867

Ion Ratio Lower Upper

43 100

86 9.4 7.0 10.6



#24

1,1-Dichloroethane

Concen: 50.155 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

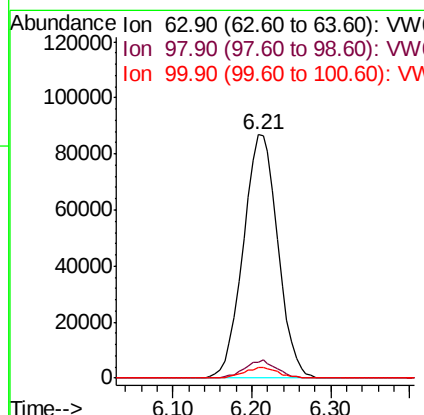
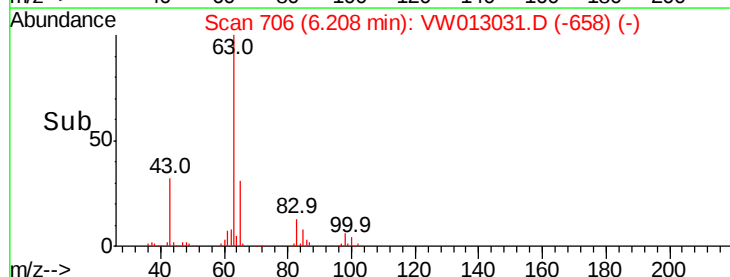
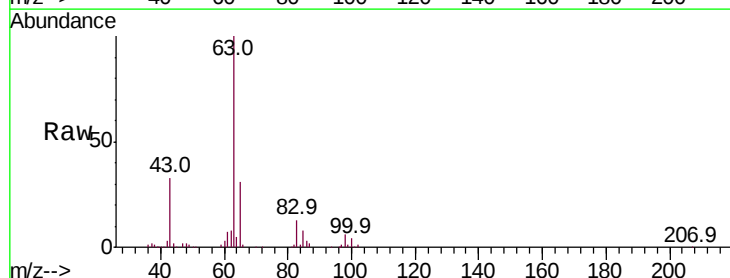
Tgt Ion: 63 Resp: 264789

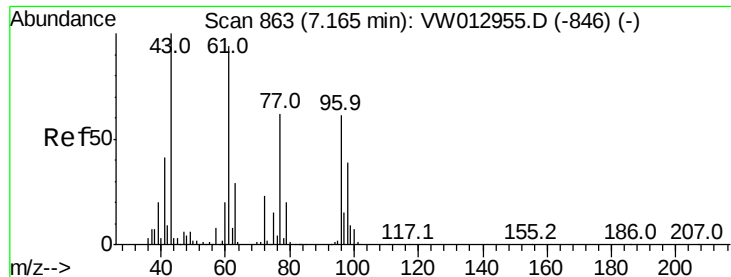
Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.9

100 4.3 1.8 5.5





#25

2-Butanone

Concen: 249.705 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

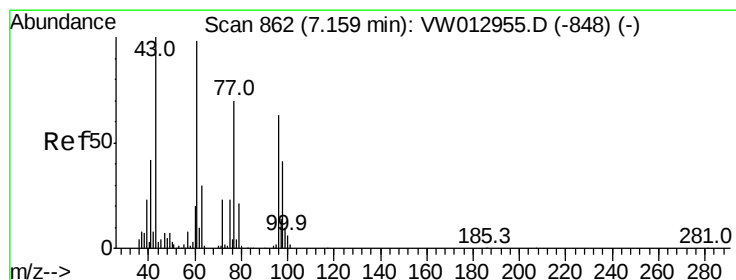
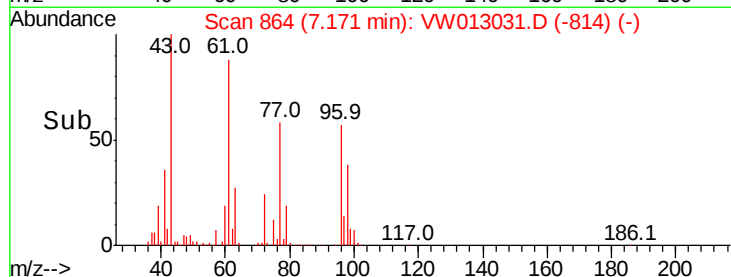
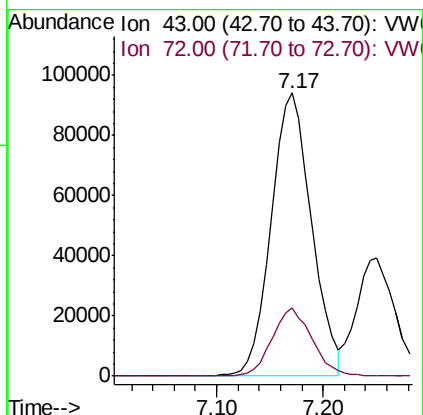
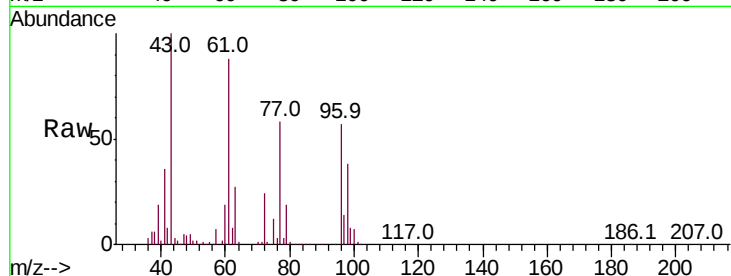
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 246657

Ion Ratio Lower Upper

43 100

72 24.1 18.2 27.4



#26

2,2-Dichloropropane

Concen: 55.142 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW013031.D

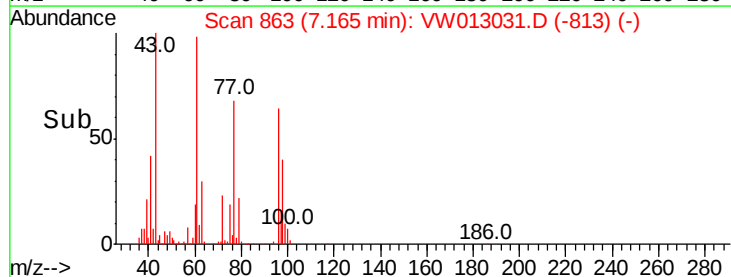
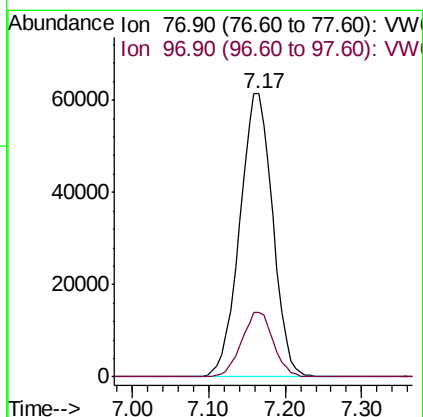
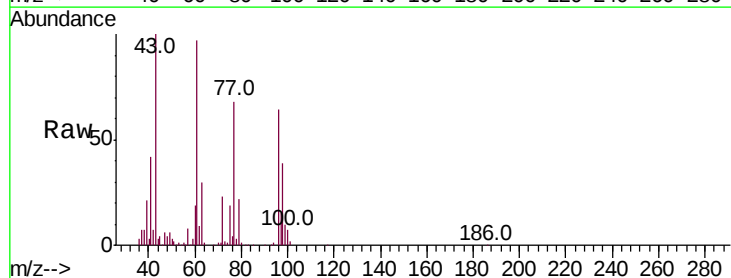
Acq: 16 Sep 2019 10:29

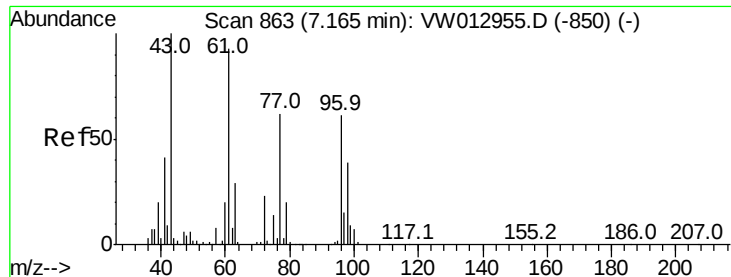
Tgt Ion: 77 Resp: 183257

Ion Ratio Lower Upper

77 100

97 22.0 10.7 32.1



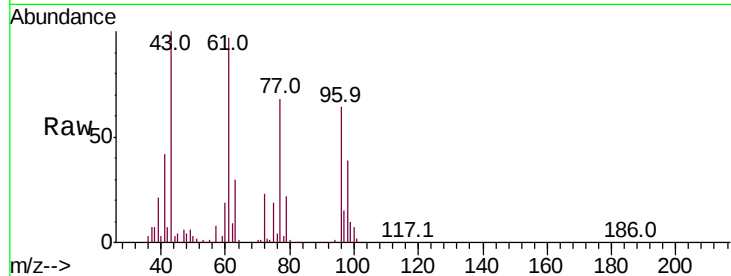


#27

cis-1,2-Dichloroethene
Concen: 51.405 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW013031.D
Acq: 16 Sep 2019 10:29

Instrument :
MSVOA_W
ClientSampled :

Tot Ion	96	Resp	153035
Ion	Ratio	Lower	Upper
96	100		
61	157.1	0.0	315.4
98	64.3	0.0	131.0

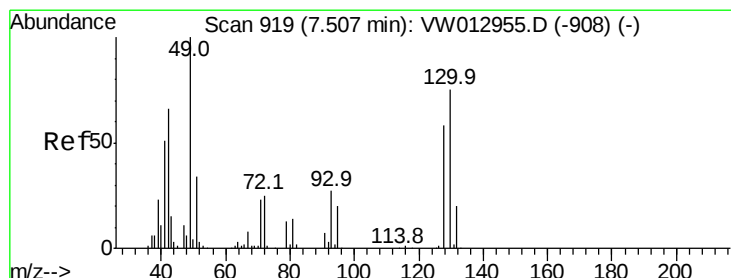
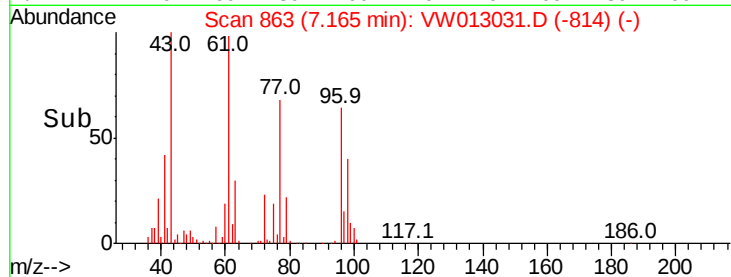
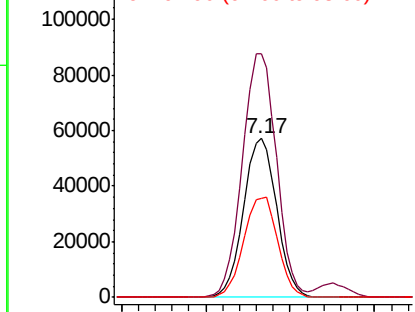


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

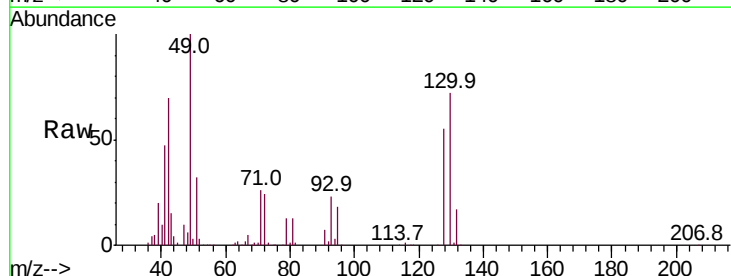
Ion 97.90 (97.60 to 98.60): VW



#28

Bromochloromethane
Concen: 55.065 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW013031.D
Acq: 16 Sep 2019 10:29

Tgt Ion	49	Resp	122360
Ion	Ratio	Lower	Upper
49	100		
129	0.3	0.0	1.4
130	71.2	57.8	86.6

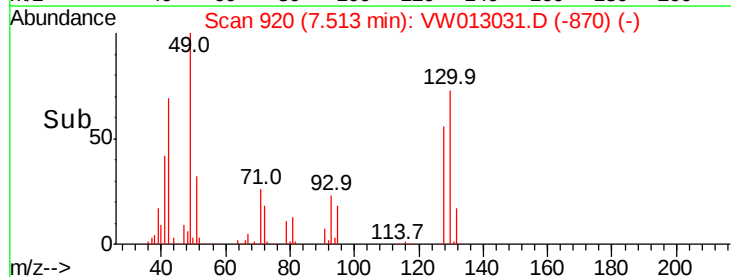
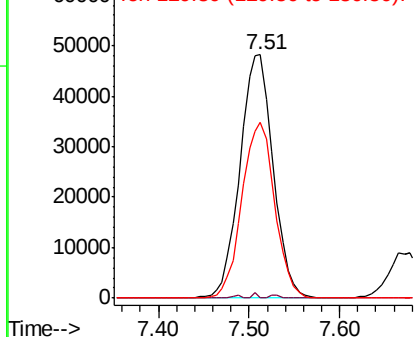


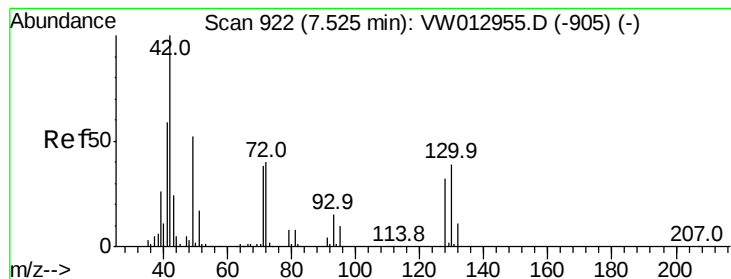
Abundance

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: 250.507 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.01 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

Instrument :
MSVOA_W
ClientSampleId :

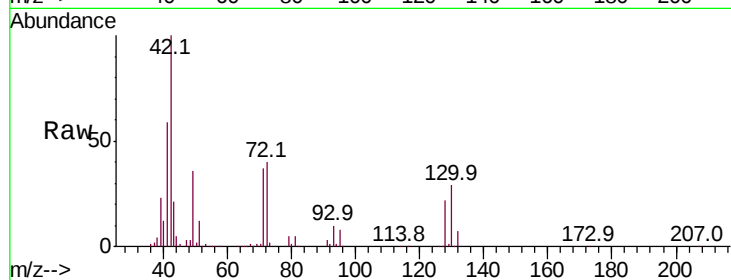
Tot Ion: 42 Resp: 140992

Ion Ratio Lower Upper

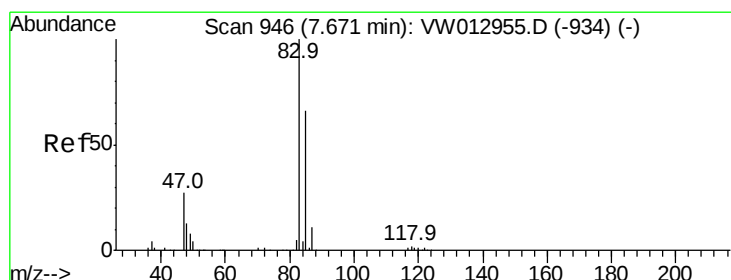
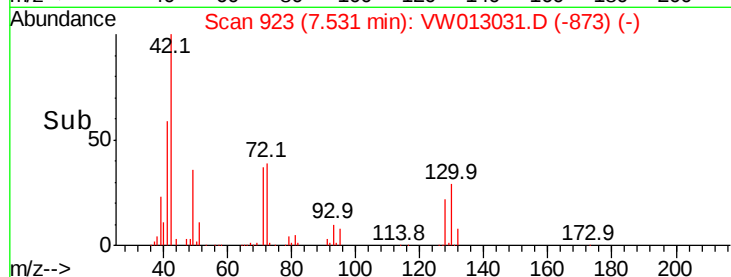
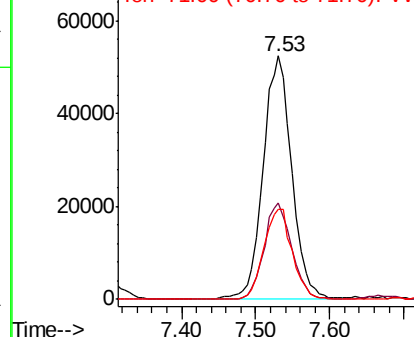
42 100

72 38.4 31.4 47.0

71 36.9 29.8 44.8



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



#30

Chloroform

Concen: 50.299 ug/l

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW013031.D

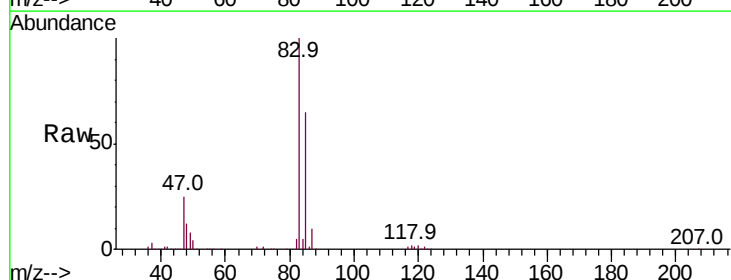
Acq: 16 Sep 2019 10:29

Tgt Ion: 83 Resp: 269817

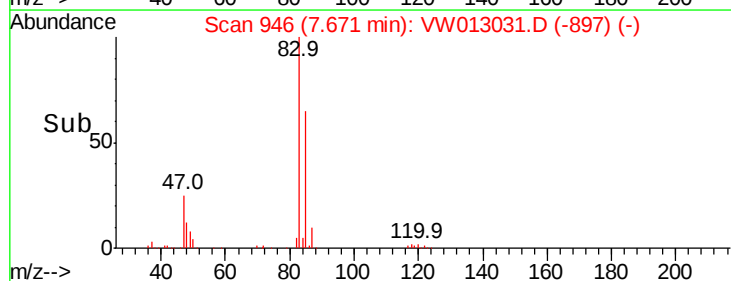
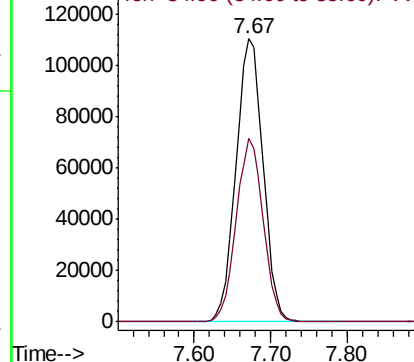
Ion Ratio Lower Upper

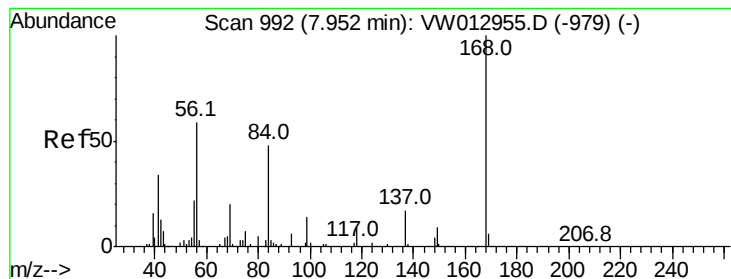
83 100

85 64.9 52.8 79.2



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





#31

Cyclohexane

Concen: 55.821 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

Instrument :
MSVOA_W
ClientSampleId :

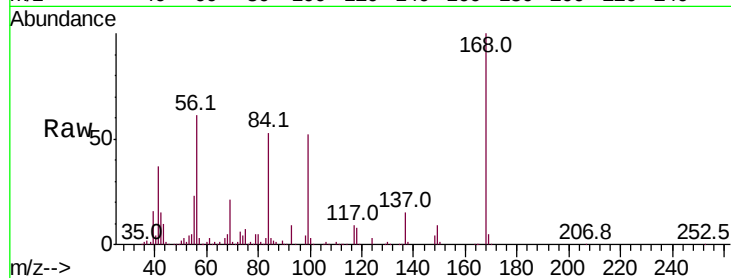
Tot Ion: 56 Resp: 219262

Ion Ratio Lower Upper

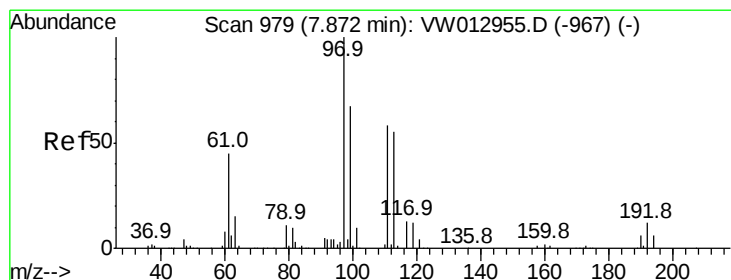
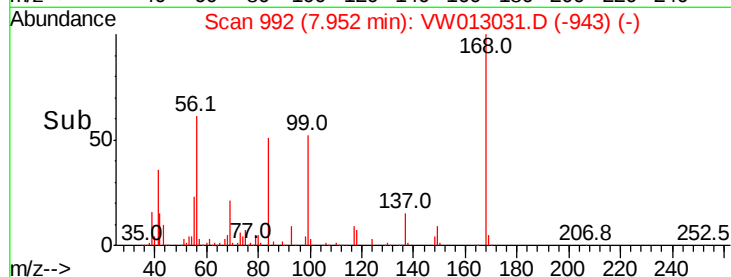
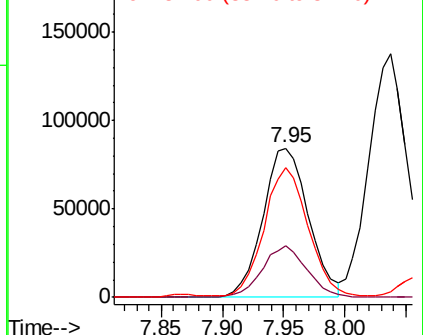
56 100

69 34.6 27.0 40.6

84 85.1 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: 50.473 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

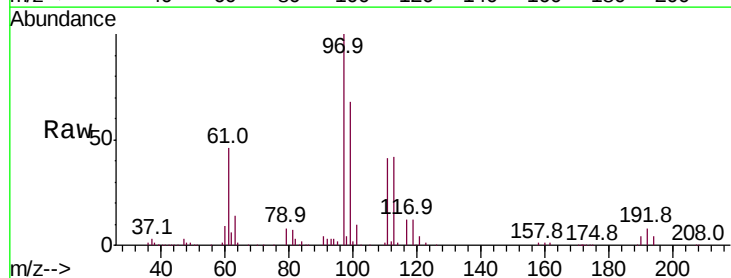
Tgt Ion: 97 Resp: 222971

Ion Ratio Lower Upper

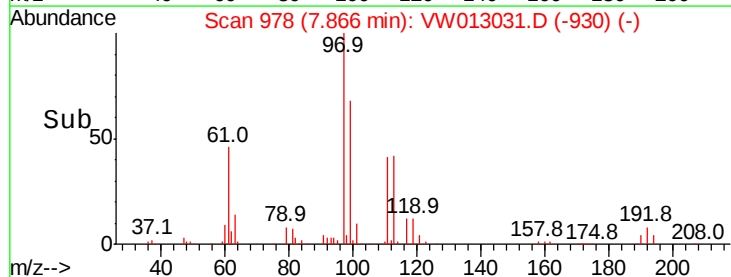
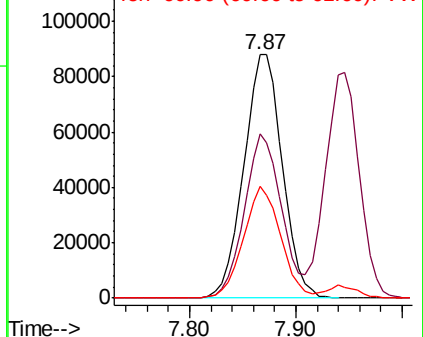
97 100

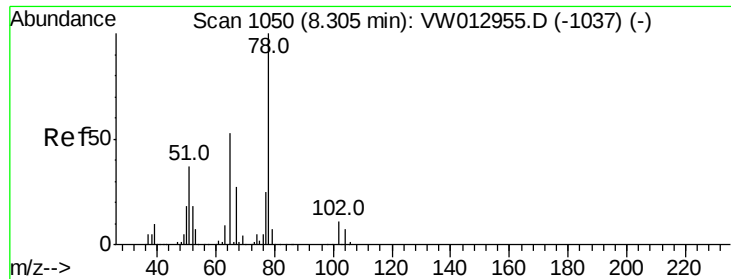
99 65.3 53.0 79.4

61 44.5 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

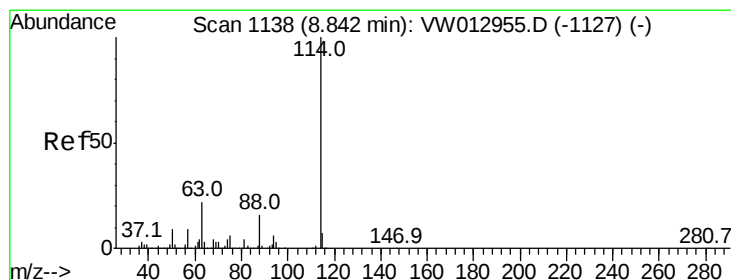
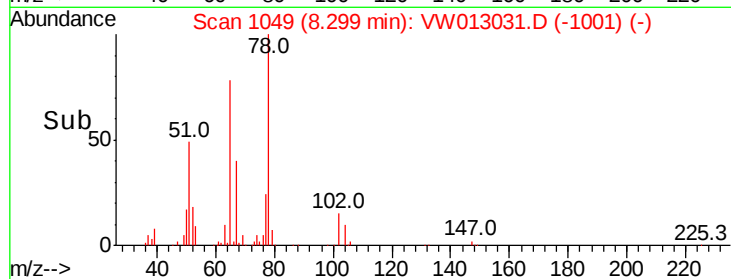
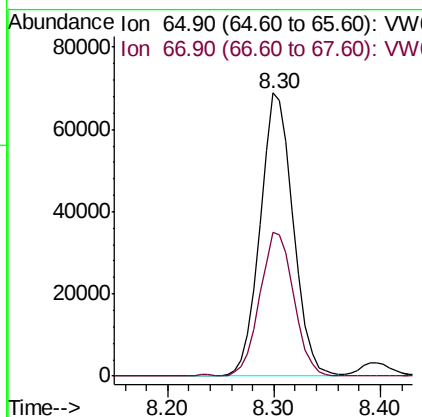
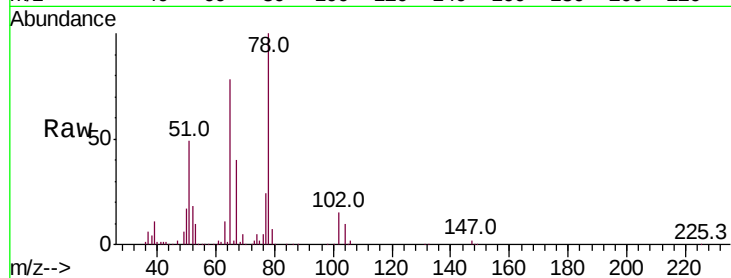




#33
 1,2-Dichloroethane-d4
 Concen: 48.148 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW013031.D
 Acq: 16 Sep 2019 10:29

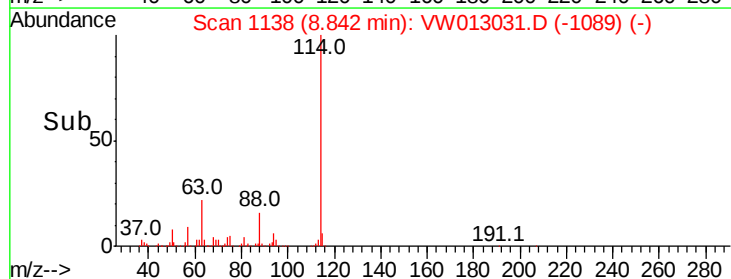
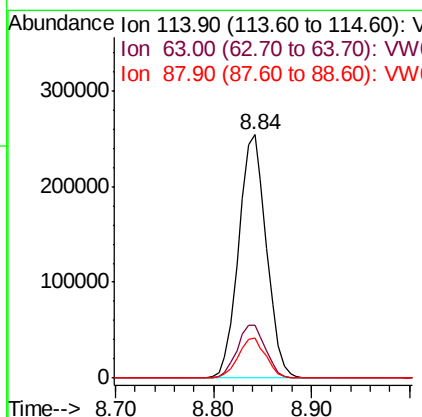
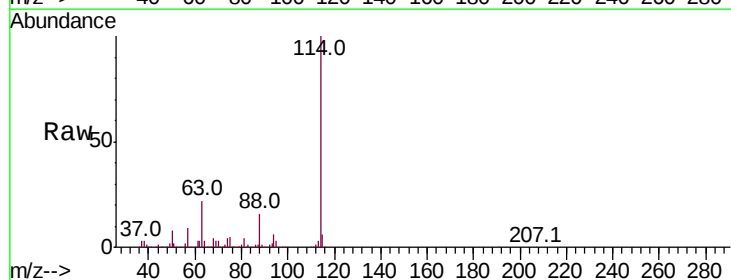
Instrument :
 MSVOA_W
 ClientSampleId :

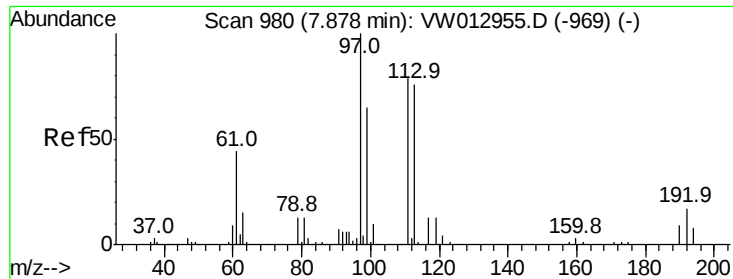
Tot Ion: 65 Resp: 149573
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013031.D
 Acq: 16 Sep 2019 10:29

Tgt Ion: 114 Resp: 499592
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 43.4
 88 16.3 0.0 31.6

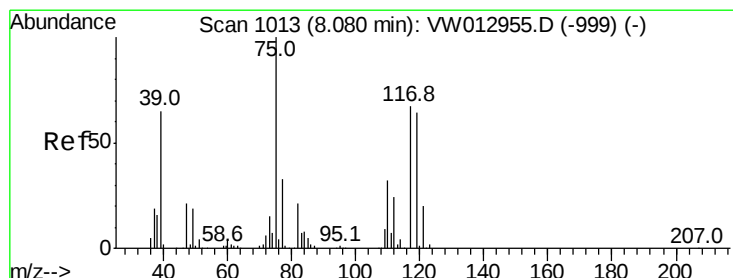
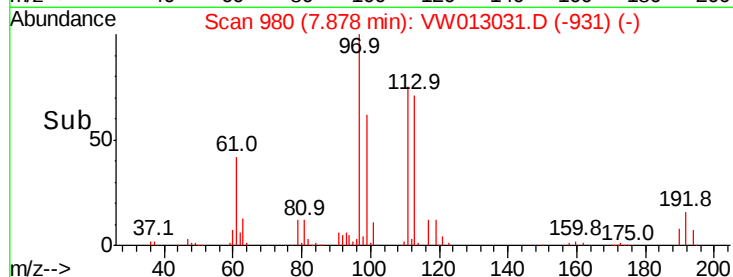
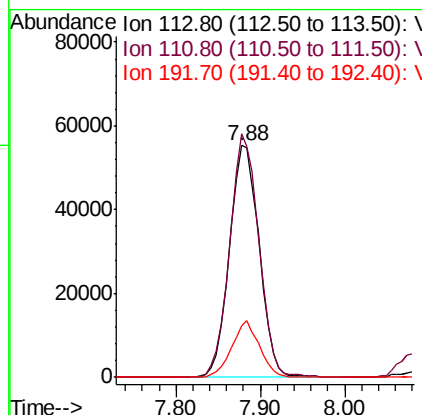
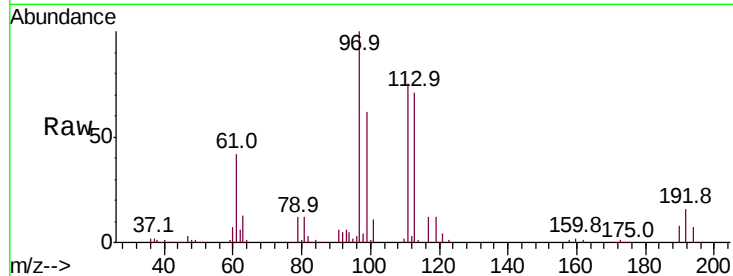




#35
 Dibromofluoromethane
 Concen: 48.865 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW013031.D
 Acq: 16 Sep 2019 10:29

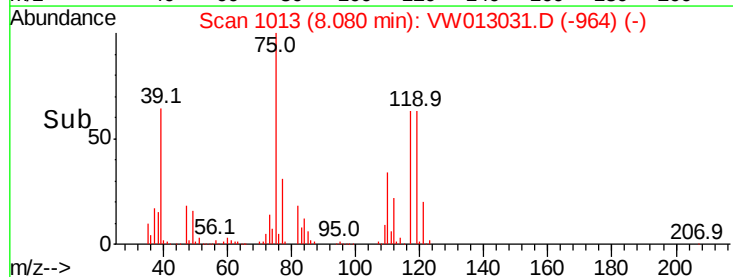
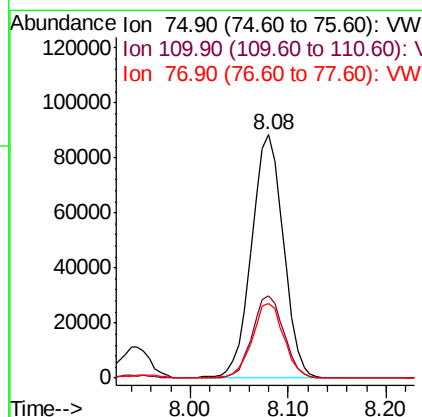
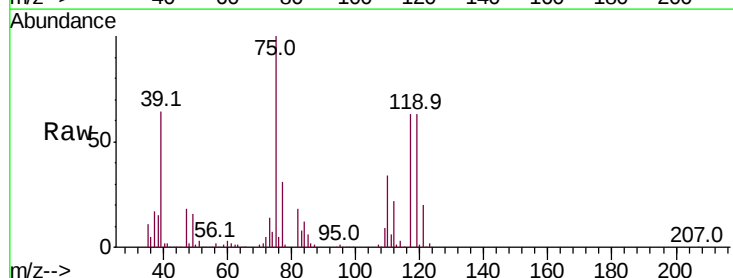
Instrument :
 MSVOA_W
 ClientSampleId :

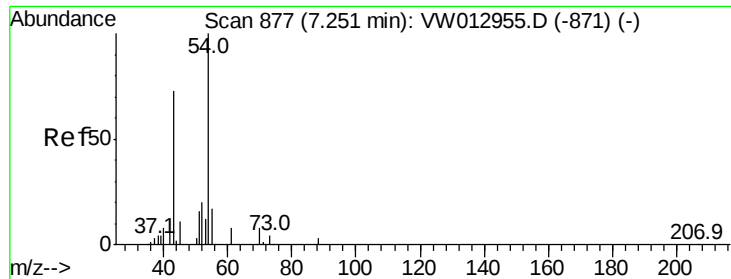
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.8	124.2
192	22.6	17.8	26.8



#36
 1,1-Dichloropropene
 Concen: 50.376 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW013031.D
 Acq: 16 Sep 2019 10:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.4	16.4	49.1
77	30.7	25.1	37.7

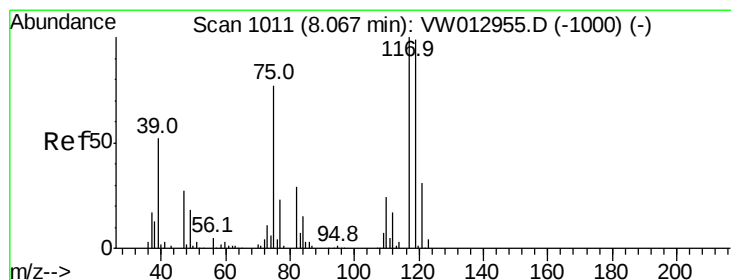
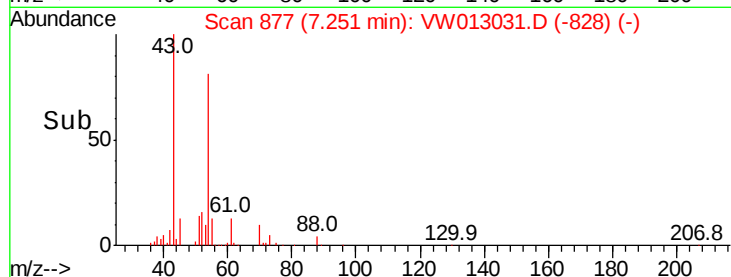
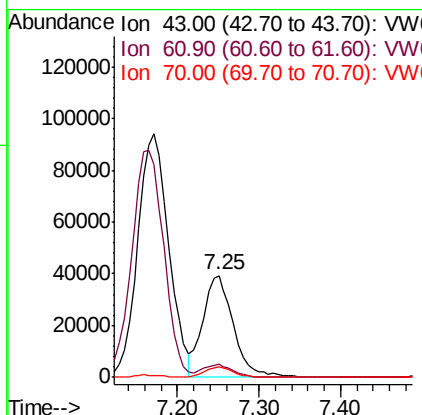
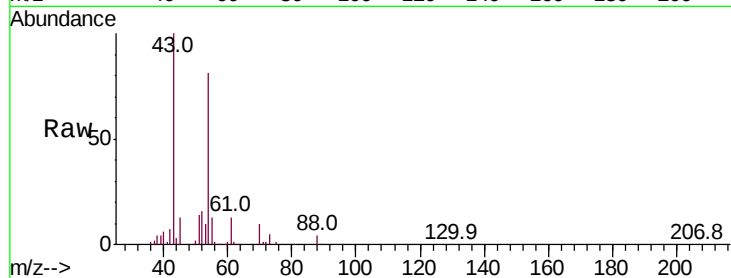




#37
Ethyl Acetate
Concen: 48.333 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW013031.D
Acq: 16 Sep 2019 10:29

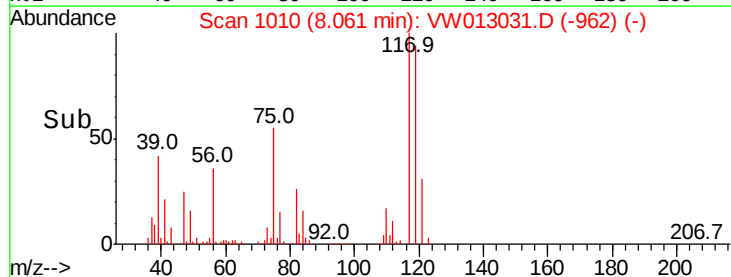
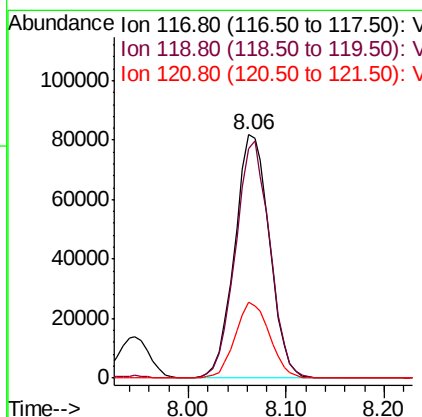
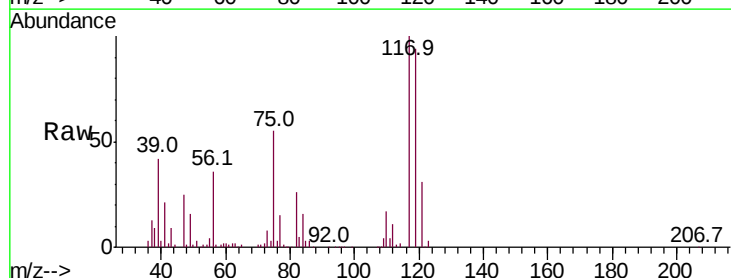
Instrument :
MSVOA_W
ClientSampled :

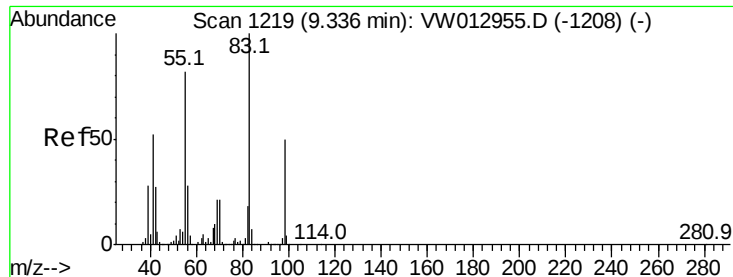
Tot Ion: 43 Resp: 102417
Ion Ratio Lower Upper
43 100
61 12.1 9.6 14.4
70 9.9 7.6 11.4



#38
Carbon Tetrachloride
Concen: 49.505 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW013031.D
Acq: 16 Sep 2019 10:29

Tgt Ion: 117 Resp: 202529
Ion Ratio Lower Upper
117 100
119 94.1 79.4 119.0
121 31.2 24.6 36.8

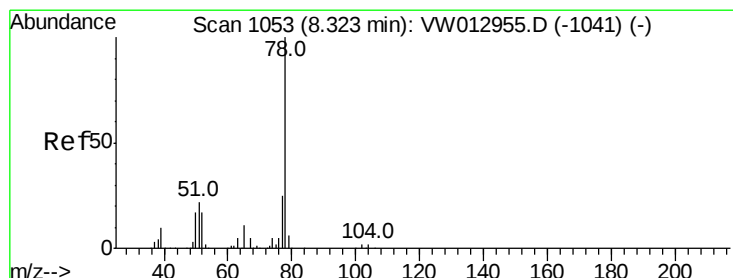
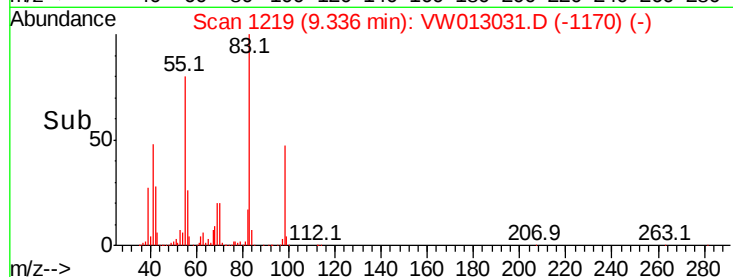
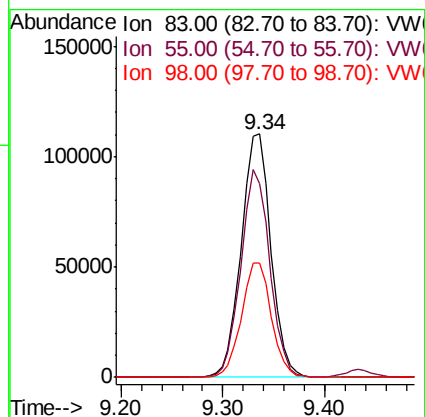
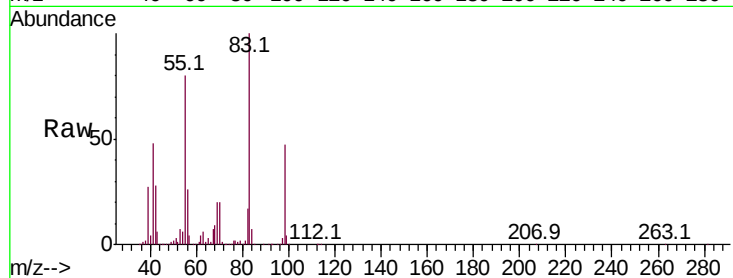




#39
Methvlcvclohexane
Concen: 51.067 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW013031.D
Acq: 16 Sep 2019 10:29

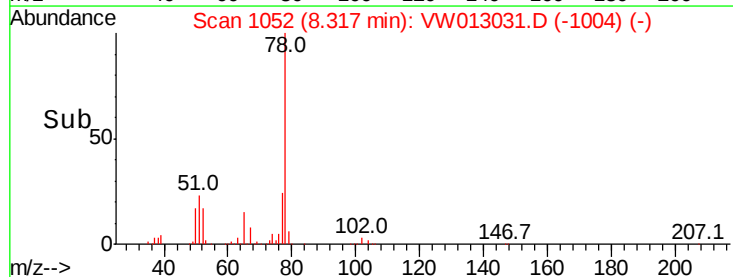
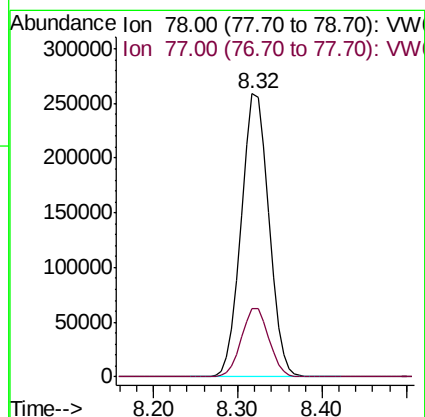
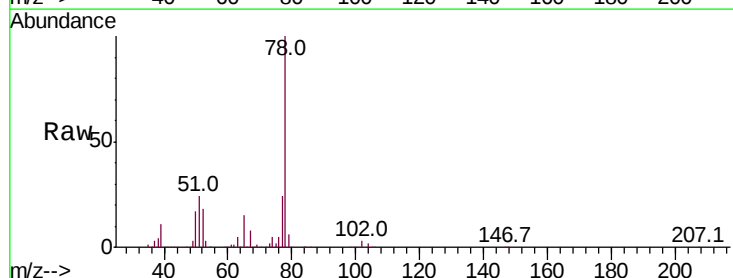
Instrument :
MSVOA_W
ClientSampled :

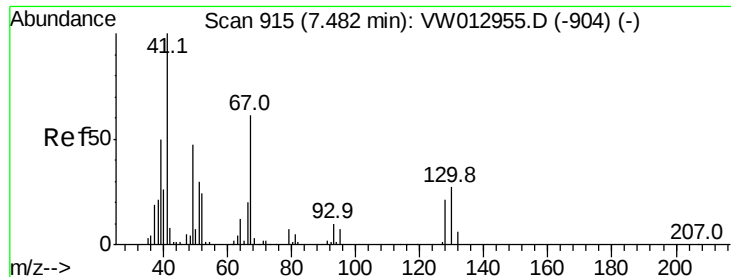
Tot Ion	Ratio	Lower	Upper
83	100		
55	79.7	65.9	98.9
98	47.0	39.6	59.4



#40
Benzene
Concen: 51.380 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW013031.D
Acq: 16 Sep 2019 10:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.6	29.4

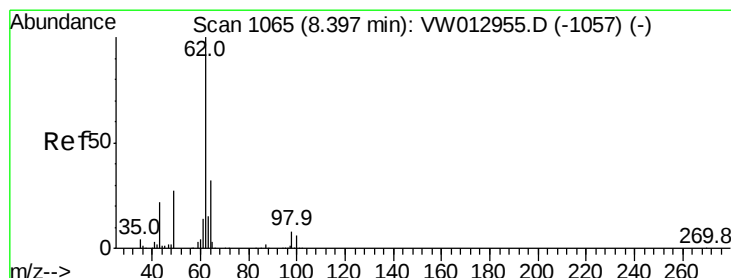
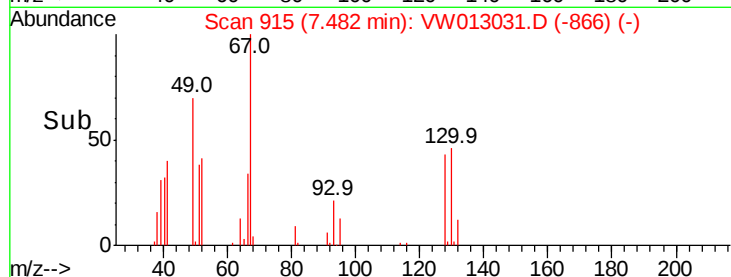
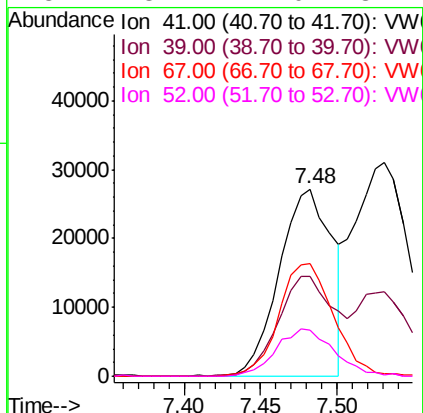
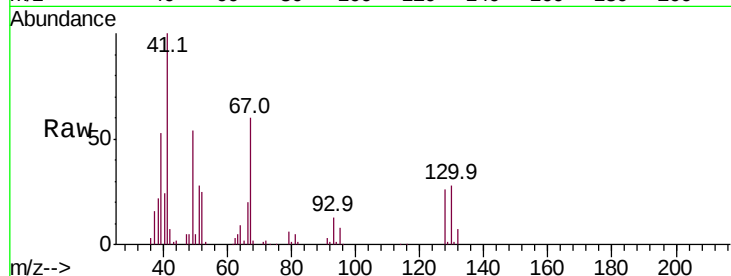




#41
Methacrylonitrile
Concen: 46.937 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW013031.D
Acq: 16 Sep 2019 10:29

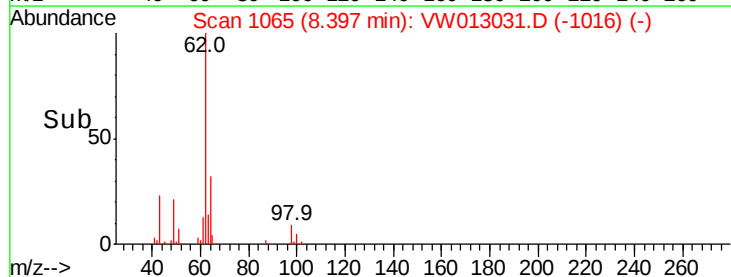
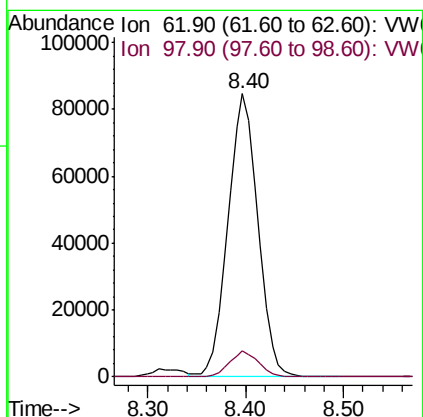
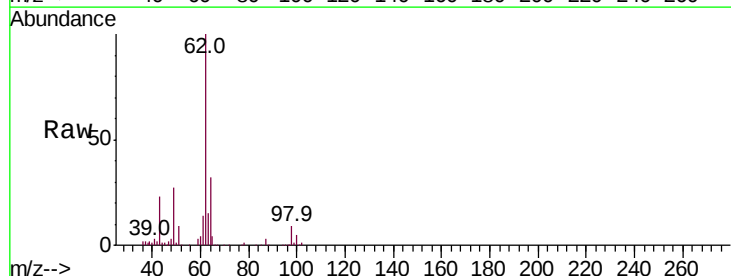
Instrument :
MSVOA_W
ClientSampled :

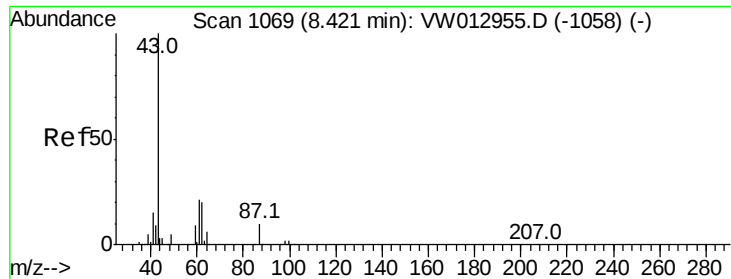
Tot Ion:	41	Resp:	65497
Ion	Ratio	Lower	Upper
41	100		
39	58.2	48.2	72.4
67	62.6	47.5	71.3
52	28.2	21.0	31.4



#42
1,2-Dichloroethane
Concen: 47.947 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW013031.D
Acq: 16 Sep 2019 10:29

Tgt Ion:	62	Resp:	179129
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	16.8





#43

Isopropyl Acetate

Concen: 50.726 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

Instrument :

MSVOA_W

ClientSampleId :

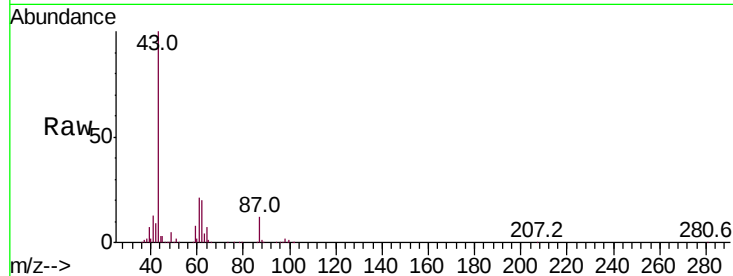
Tot Ion: 43 Resp: 206382

Ion Ratio Lower Upper

43 100

61 27.5 22.7 34.1

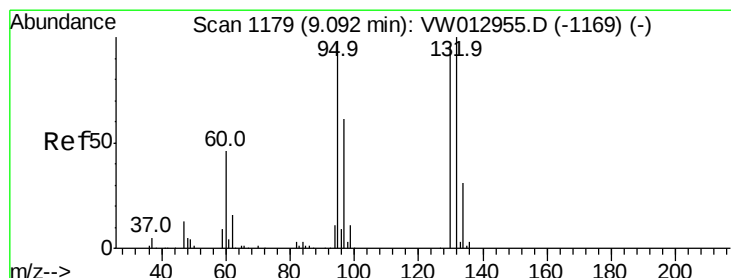
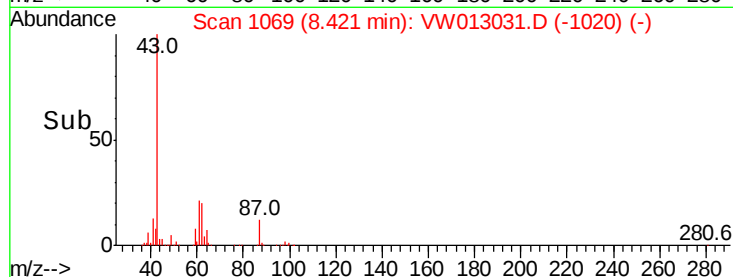
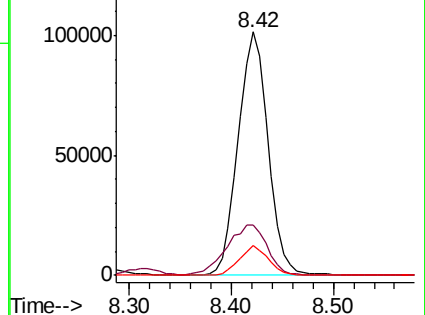
87 11.7 9.4 14.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 49.228 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW013031.D

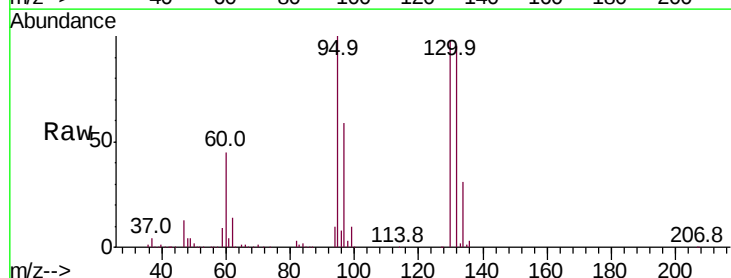
Acq: 16 Sep 2019 10:29

Tgt Ion:130 Resp: 150276

Ion Ratio Lower Upper

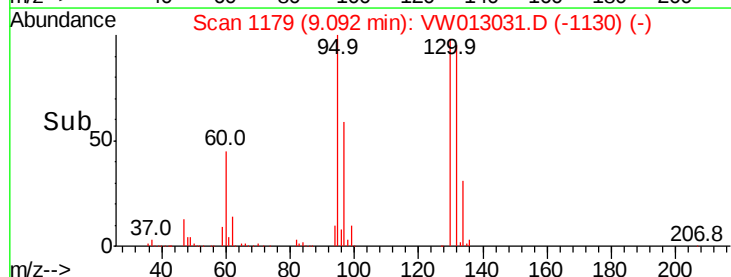
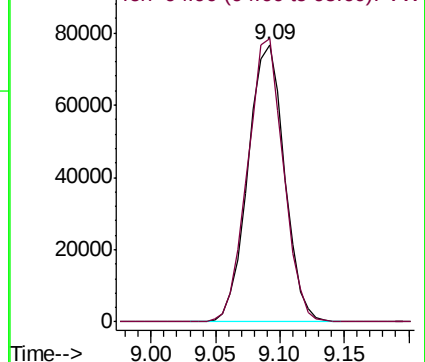
130 100

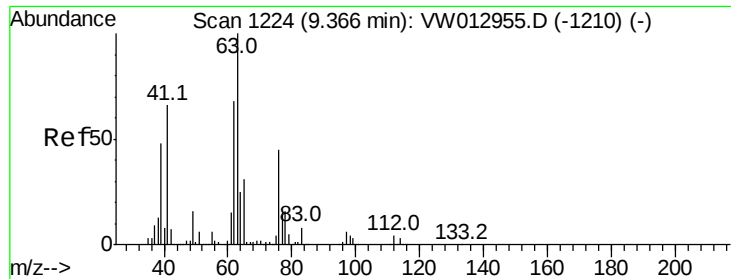
95 102.2 0.0 204.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

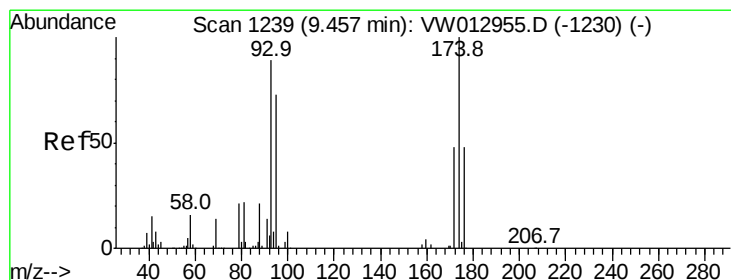
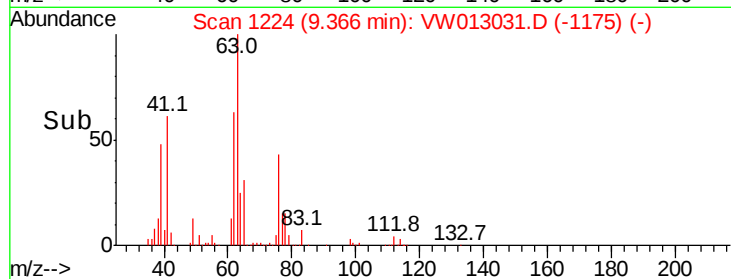
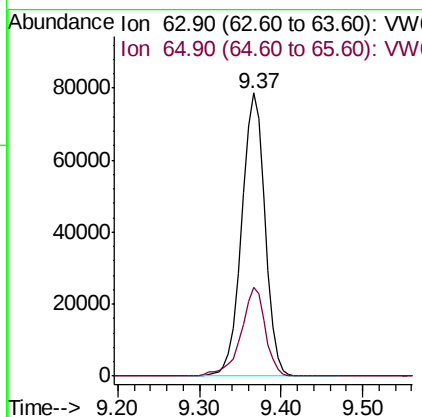
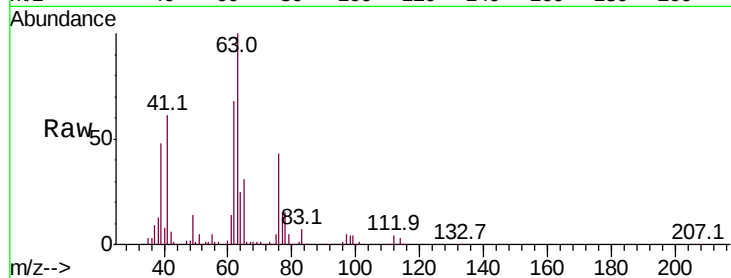




#45
 1,2-Dichloropropane
 Concen: 52.483 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW013031.D
 Acq: 16 Sep 2019 10:29

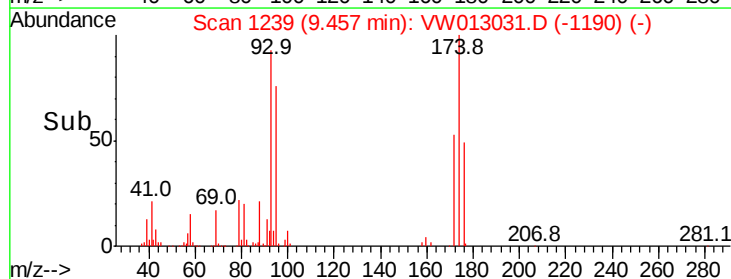
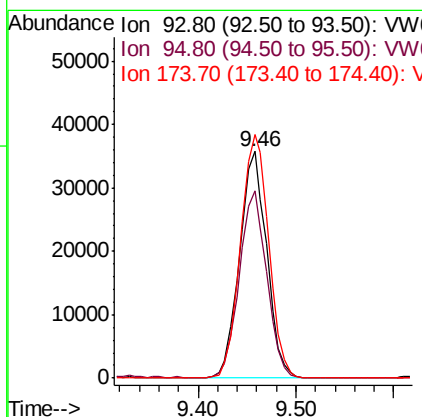
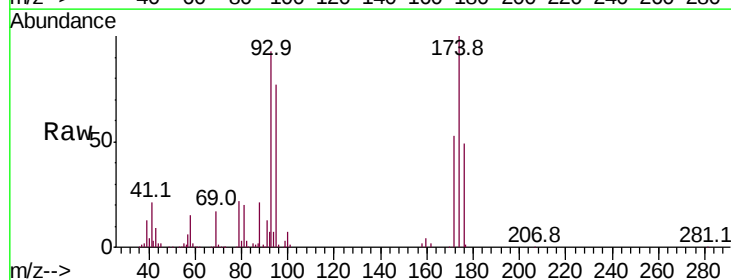
Instrument :
 MSVOA_W
 ClientSampleId :

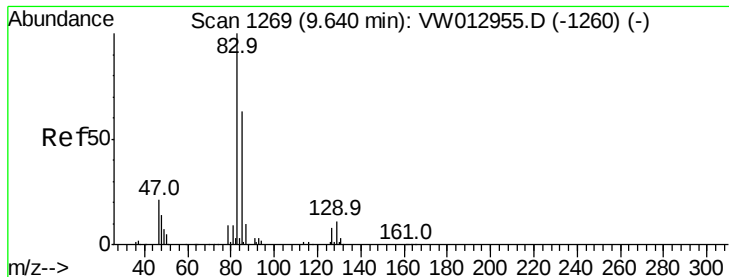
Tot Ion: 63 Resp: 155404
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.6 37.0



#46
 Dibromomethane
 Concen: 48.572 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW013031.D
 Acq: 16 Sep 2019 10:29

Tgt Ion: 93 Resp: 68905
 Ion Ratio Lower Upper
 93 100
 95 83.2 67.0 100.4
 174 110.9 90.5 135.7





#47

Bromodichloromethane

Concen: 51.712 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

Instrument :
MSVOA_W
ClientSampled :

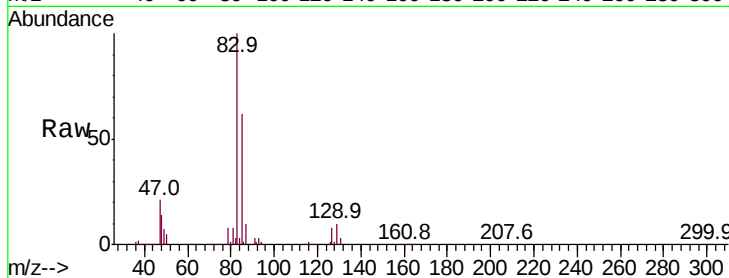
Tot Ion: 83 Resp: 205773

Ion Ratio Lower Upper

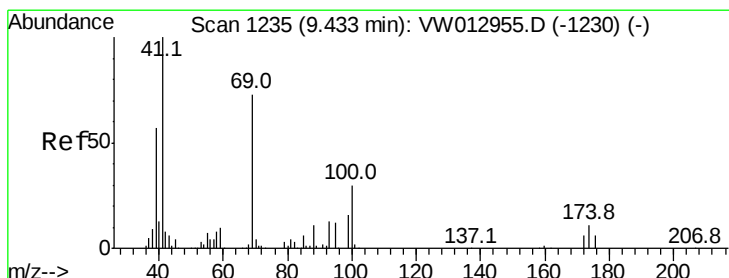
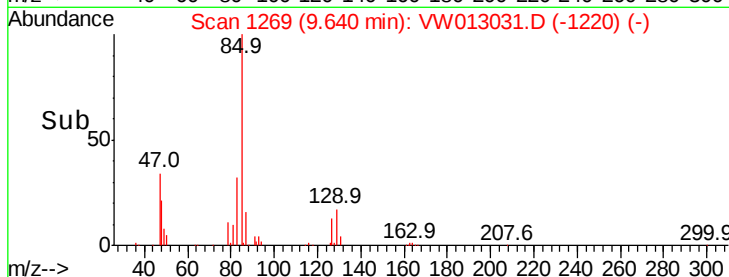
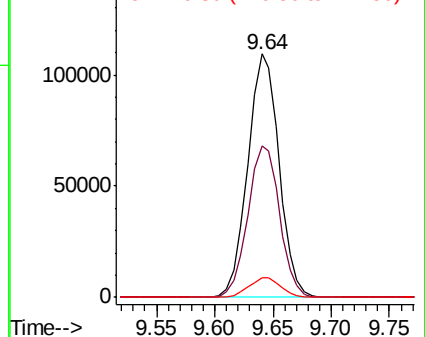
83 100

85 62.2 50.6 75.8

127 7.9 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: 49.906 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

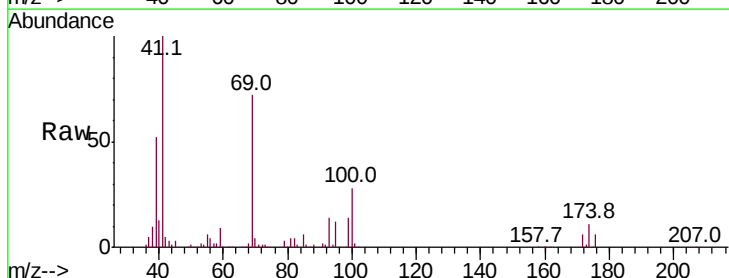
Tgt Ion: 41 Resp: 95293

Ion Ratio Lower Upper

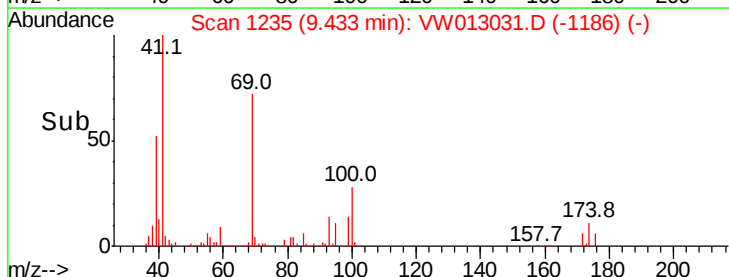
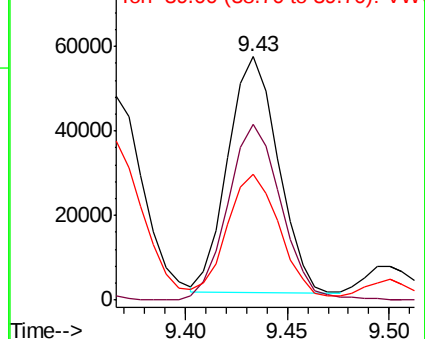
41 100

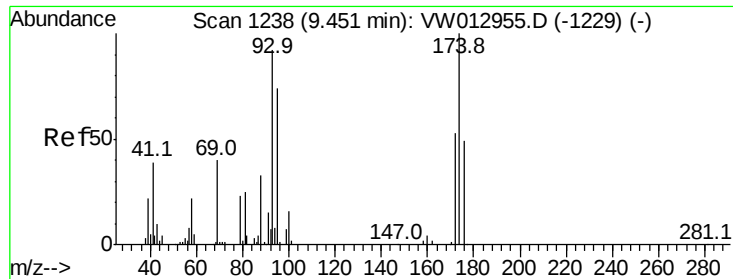
69 79.6 62.8 94.2

39 56.8 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: 910.197 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.01 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

Instrument :
MSVOA_W
ClientSampleId :

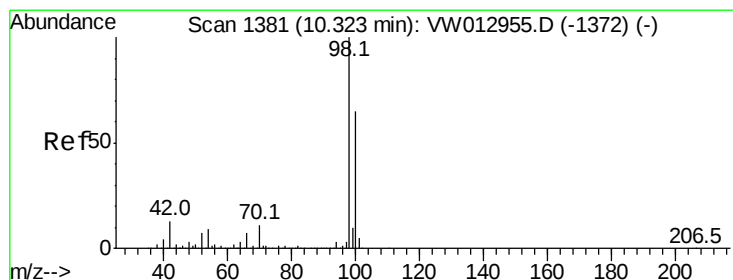
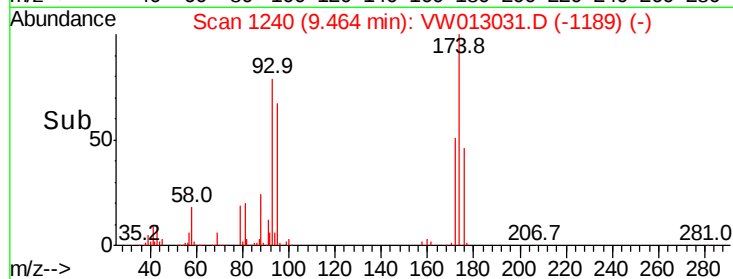
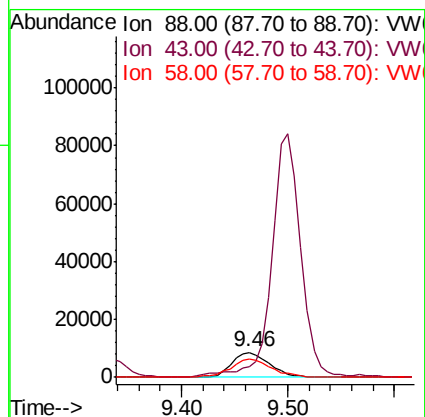
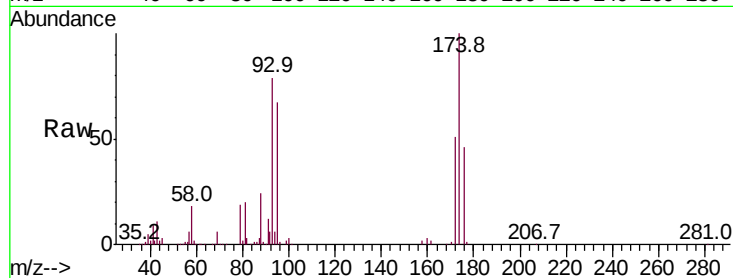
Tot Ion: 88 Resp: 21636

Ion Ratio Lower Upper

88 100

43 0.0 31.3 46.9#

58 79.9 60.2 90.2



#50

Toluene-d8

Concen: 52.378 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW013031.D

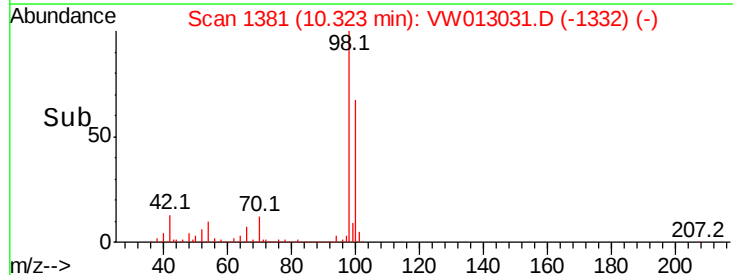
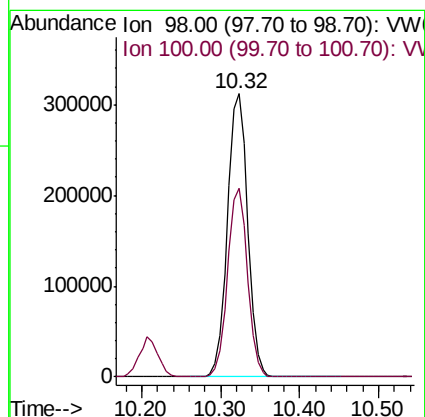
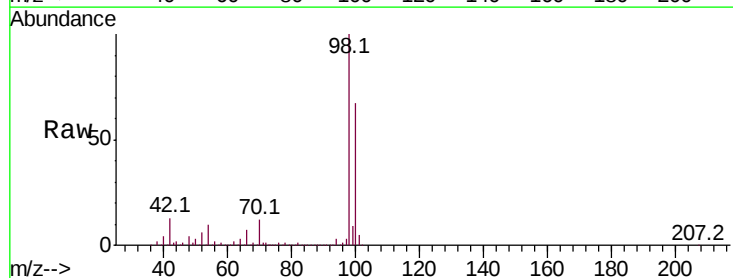
Acq: 16 Sep 2019 10:29

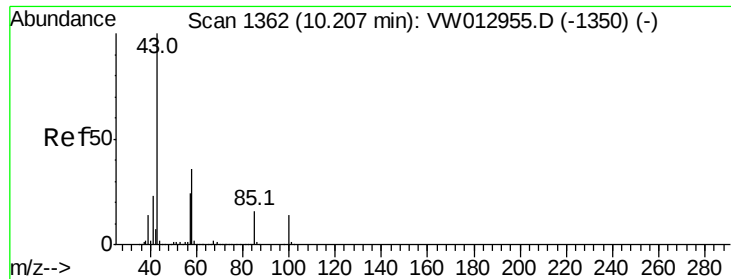
Tgt Ion: 98 Resp: 555616

Ion Ratio Lower Upper

98 100

100 65.5 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 249.305 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

Instrument :

MSVOA_W

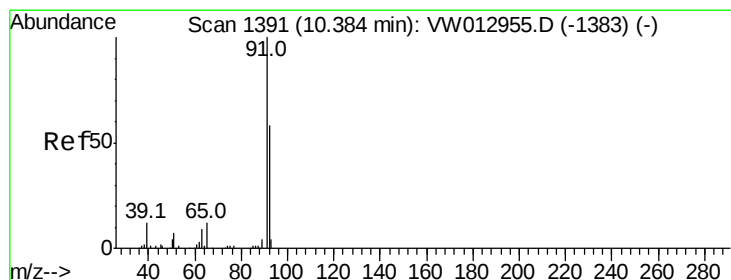
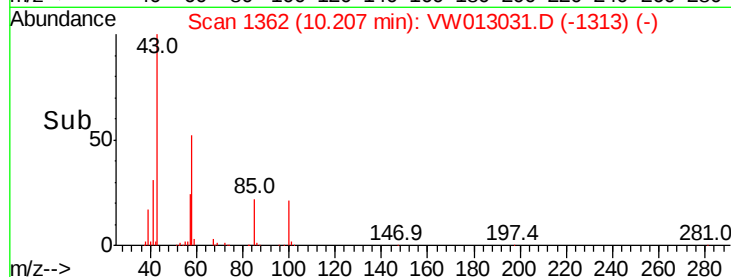
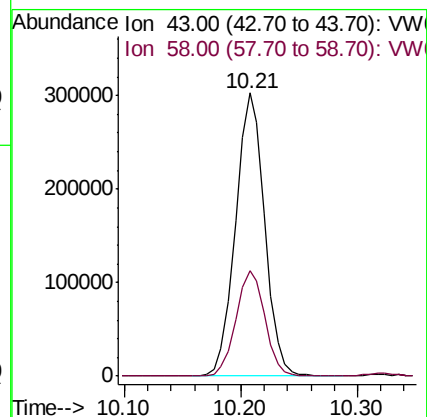
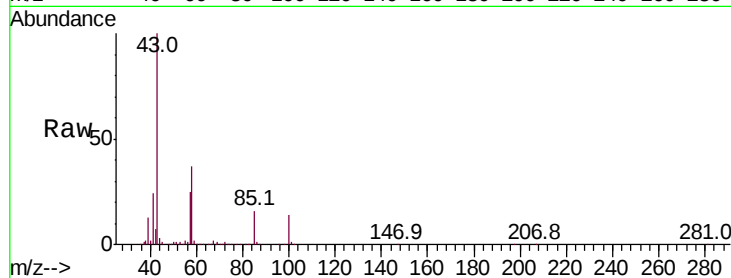
ClientSampled :

Tot Ion: 43 Resp: 523664

Ion Ratio Lower Upper

43 100

58 37.2 29.5 44.3



#52

Toluene

Concen: 50.037 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW013031.D

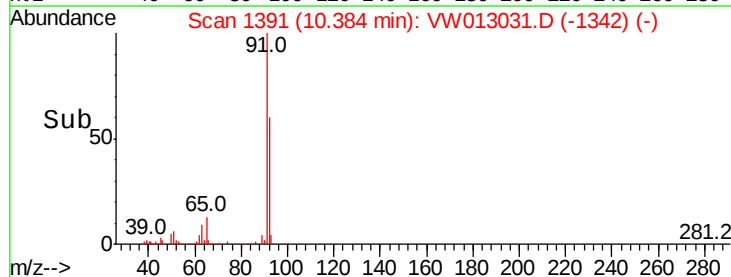
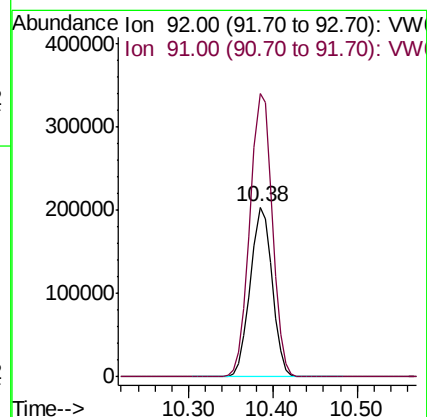
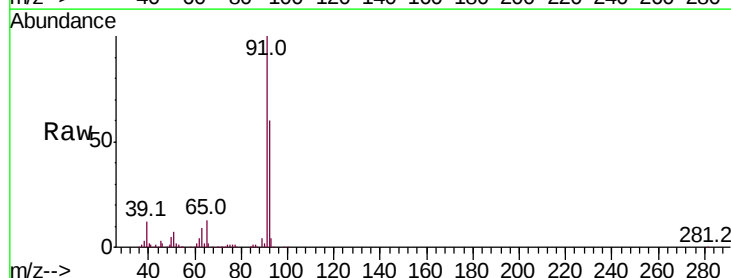
Acq: 16 Sep 2019 10:29

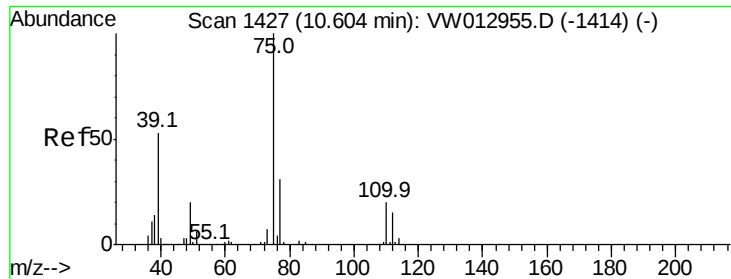
Tgt Ion: 92 Resp: 354353

Ion Ratio Lower Upper

92 100

91 170.8 137.5 206.3





#53

t-1,3-Dichloropropene

Concen: 52.467 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

Instrument :

MSVOA_W

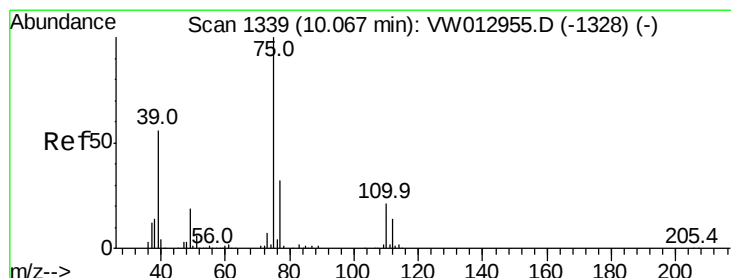
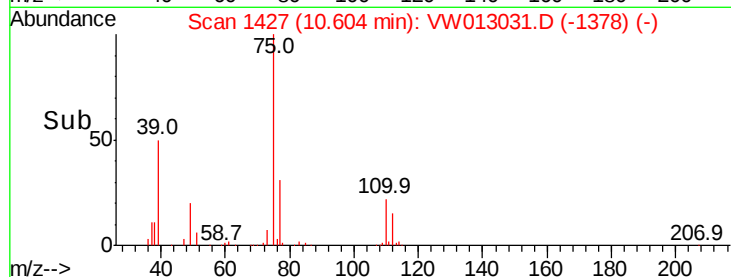
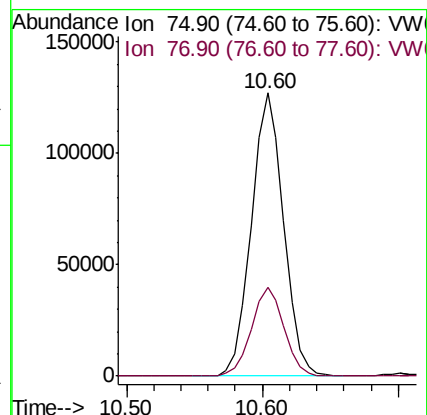
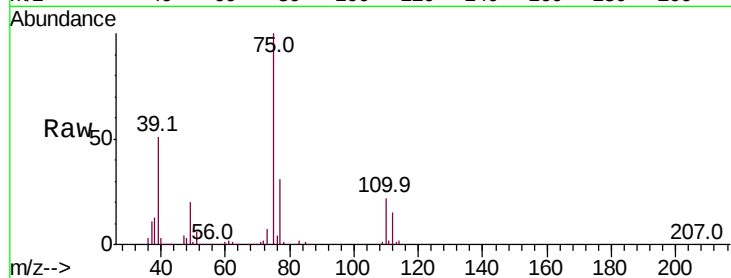
ClientSampled :

Tot Ion: 75 Resp: 209973

Ion Ratio Lower Upper

75 100

77 31.2 24.6 37.0



#54

cis-1,3-Dichloropropene

Concen: 53.549 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.01 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

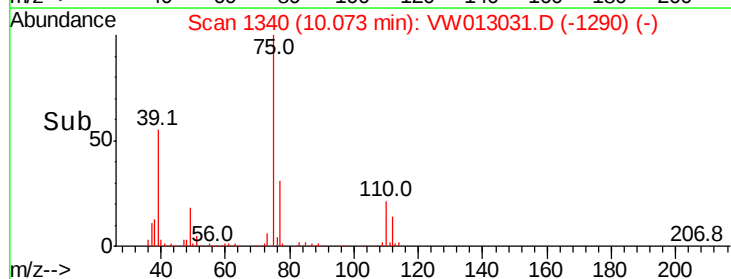
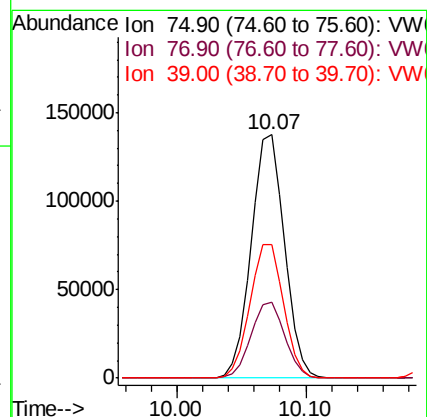
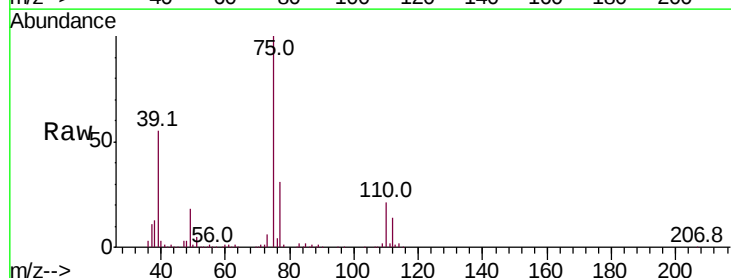
Tgt Ion: 75 Resp: 245203

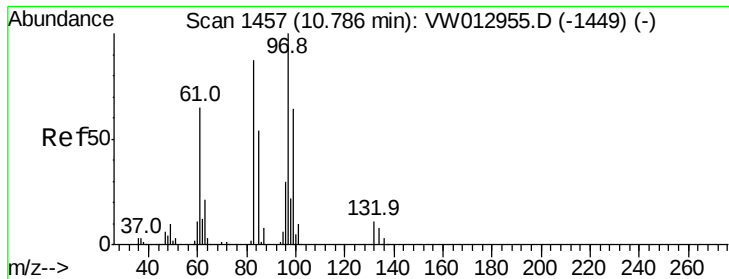
Ion Ratio Lower Upper

75 100

77 31.4 25.5 38.3

39 55.0 45.0 67.6

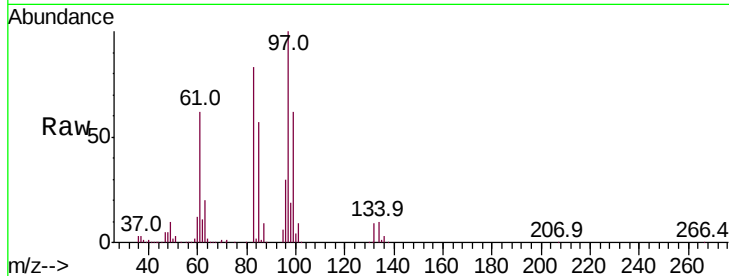




#55
 1,1,2-Trichloroethane
 Concen: 50.438 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW013031.D
 Acq: 16 Sep 2019 10:29

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:	97	Resp:	109003
Ion	Ratio	Lower	Upper
97	100		
83	82.8	69.4	104.0
85	56.5	43.3	64.9
99	61.8	50.9	76.3



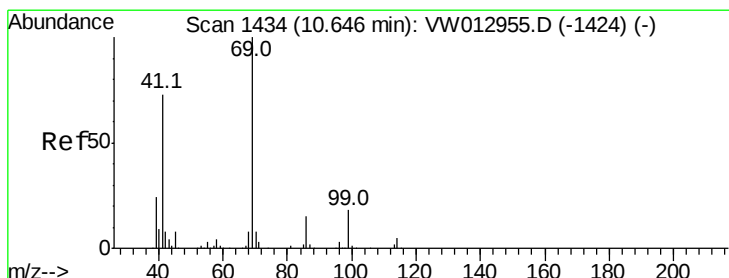
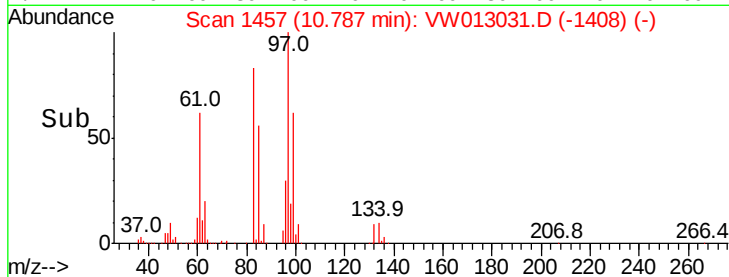
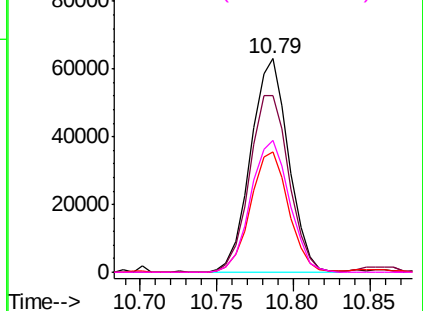
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

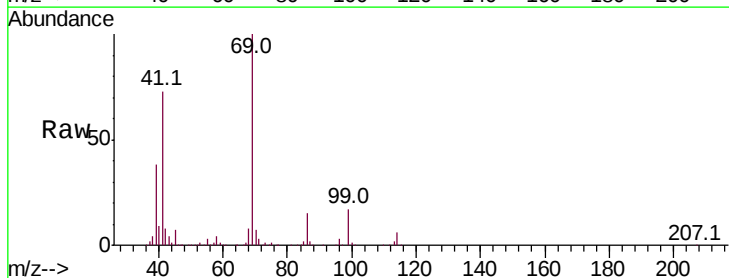
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 53.377 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW013031.D
 Acq: 16 Sep 2019 10:29

Tgt Ion:	69	Resp:	155269
Ion	Ratio	Lower	Upper
69	100		
41	76.0	60.8	91.2
39	34.3	29.4	44.0

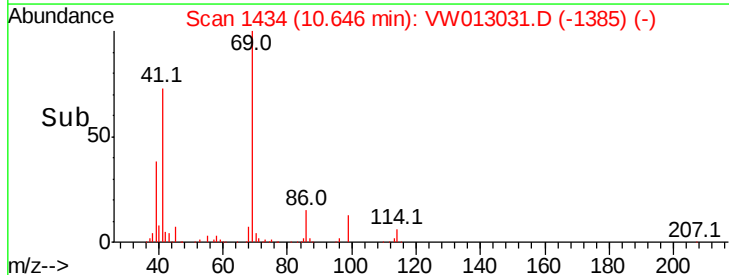
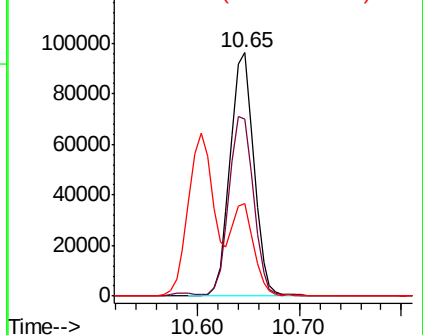


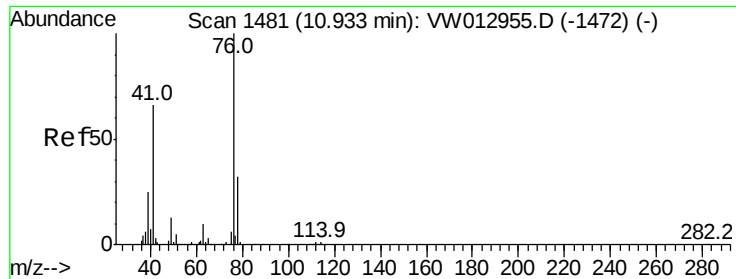
Abundance

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: 51.296 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

Instrument :

MSVOA_W

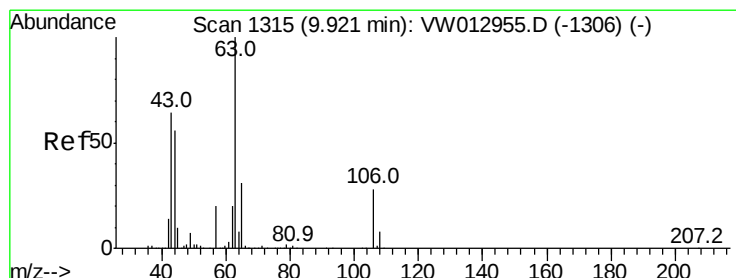
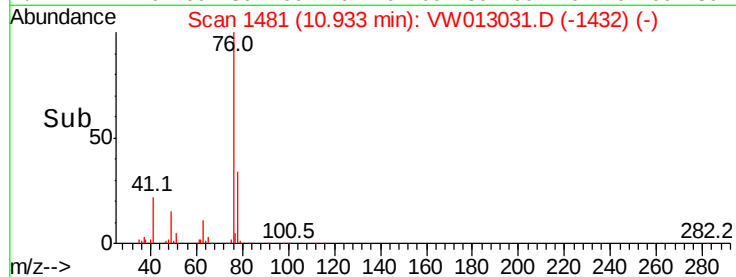
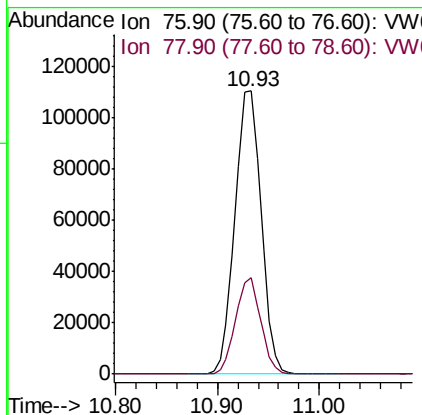
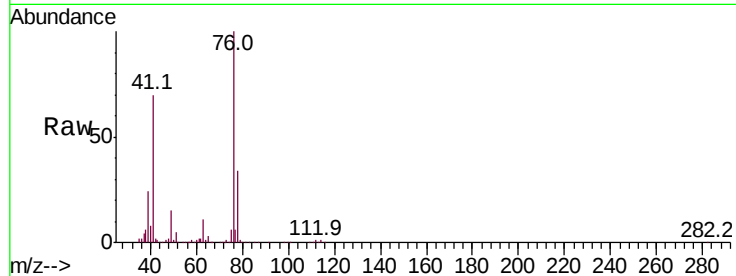
ClientSampled :

Tot Ion: 76 Resp: 196650

Ion Ratio Lower Upper

76 100

78 32.5 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 250.137 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW013031.D

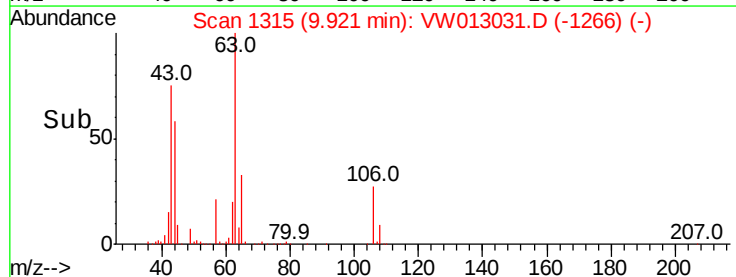
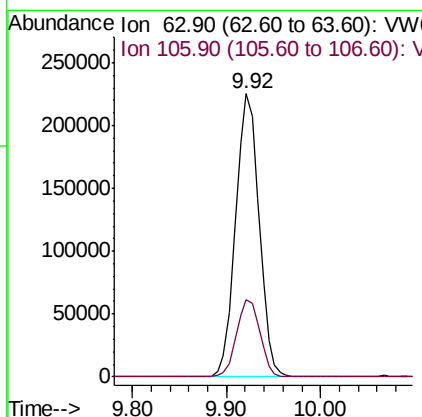
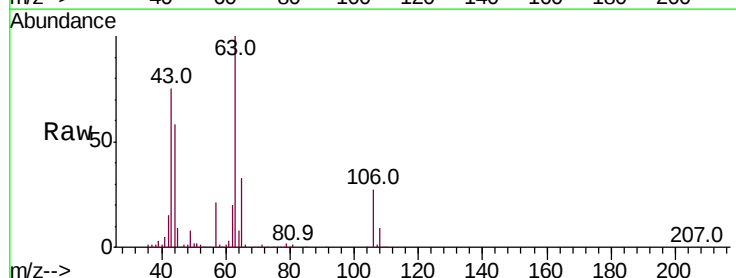
Acq: 16 Sep 2019 10:29

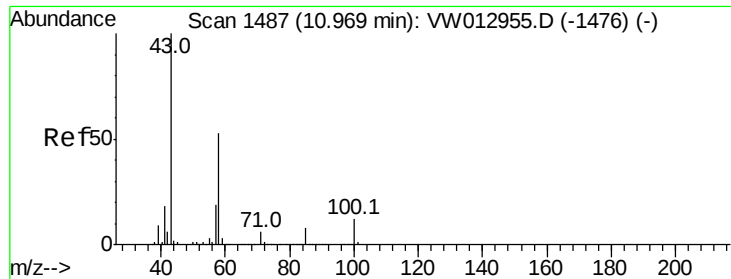
Tgt Ion: 63 Resp: 390320

Ion Ratio Lower Upper

63 100

106 27.4 22.2 33.2





#59

2-Hexanone

Concen: 268.447 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

Instrument :

MSVOA_W

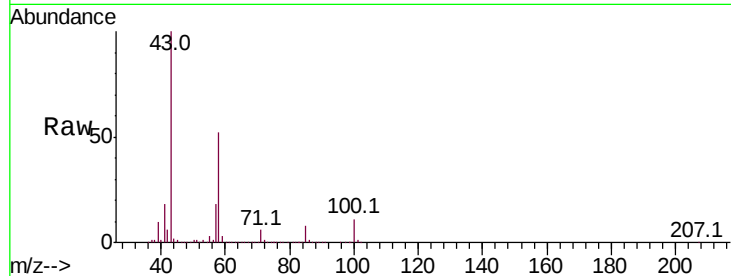
ClientSampleId :

Tot Ion: 43 Resp: 392630

Ion Ratio Lower Upper

43 100

58 51.7 25.8 77.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.97

250000

200000

150000

100000

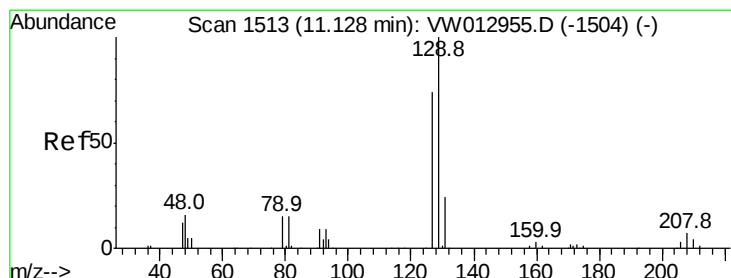
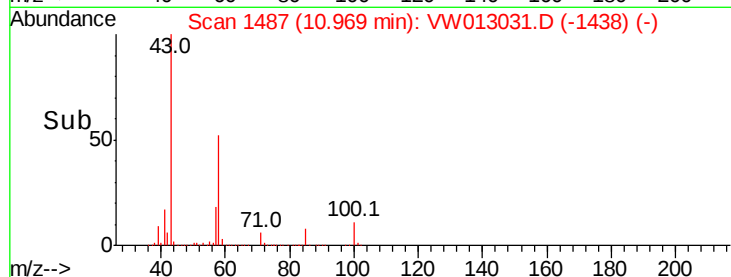
50000

0

Time-->

10.90

11.00



#60

Dibromochloromethane

Concen: 50.295 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW013031.D

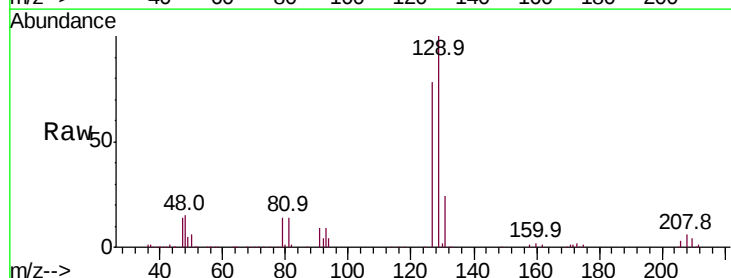
Acq: 16 Sep 2019 10:29

Tgt Ion: 129 Resp: 131410

Ion Ratio Lower Upper

129 100

127 76.5 37.4 112.2



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

11.13

80000

60000

40000

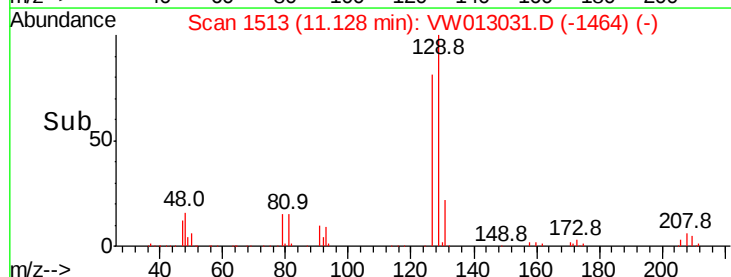
20000

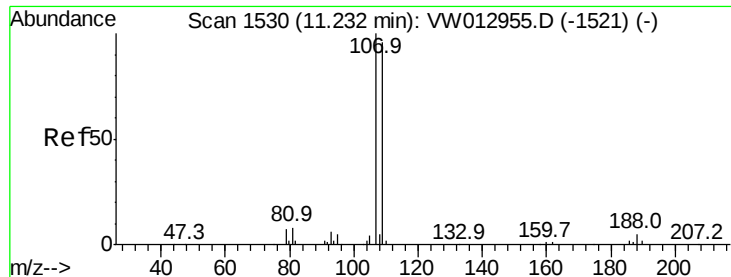
0

Time-->

11.10

11.20

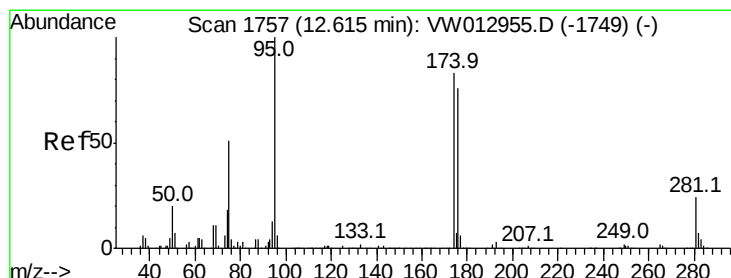
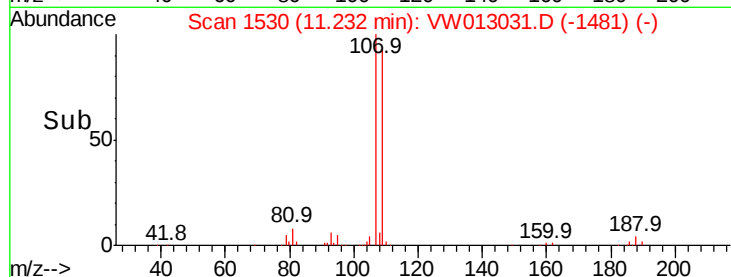
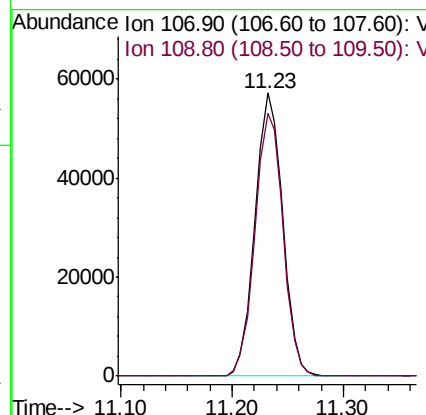
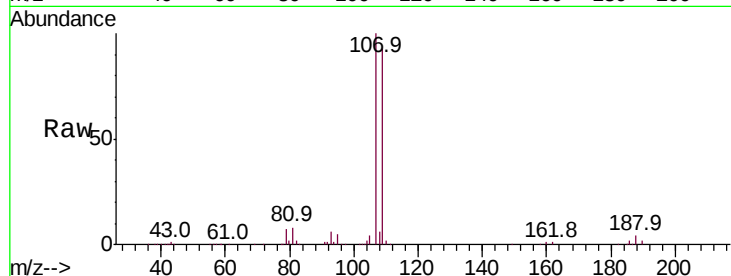




#61
 1,2-Dibromoethane
 Concen: 50.293 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW013031.D
 Acq: 16 Sep 2019 10:29

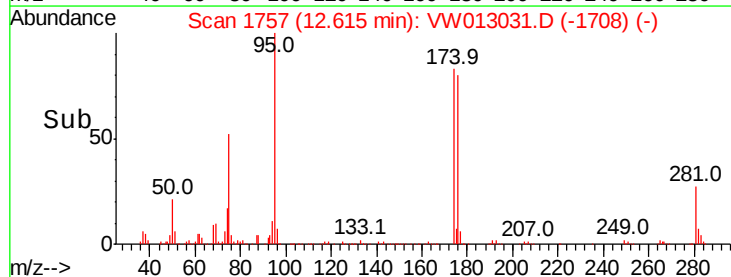
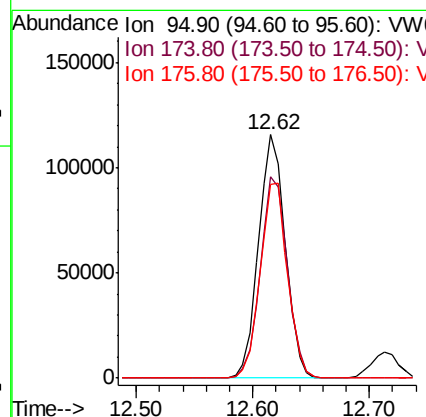
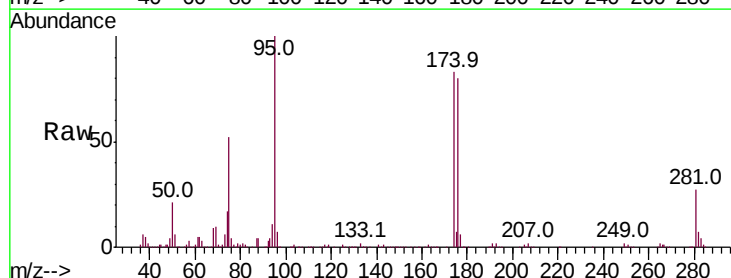
Instrument :
 MSVOA_W
 ClientSampleId :

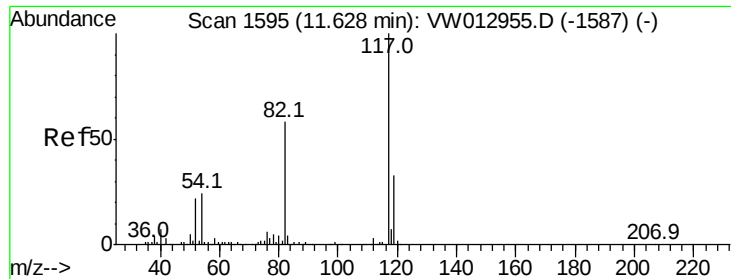
Tot Ion:107 Resp: 99149
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 48.590 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW013031.D
 Acq: 16 Sep 2019 10:29

Tgt Ion: 95 Resp: 185340
 Ion Ratio Lower Upper
 95 100
 174 83.4 0.0 170.4
 176 81.5 0.0 164.6

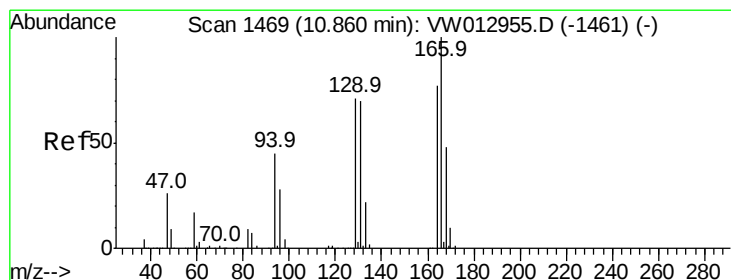
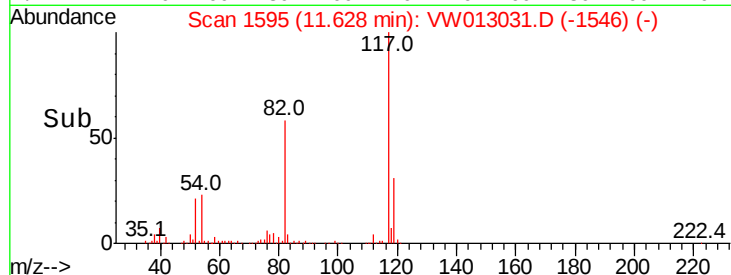
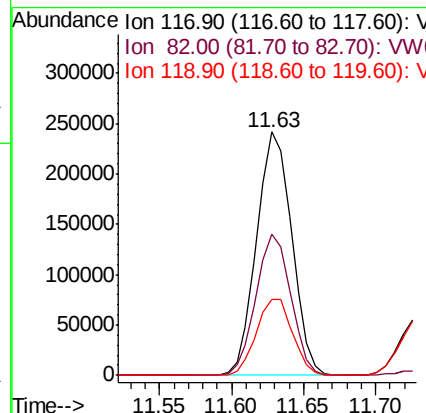
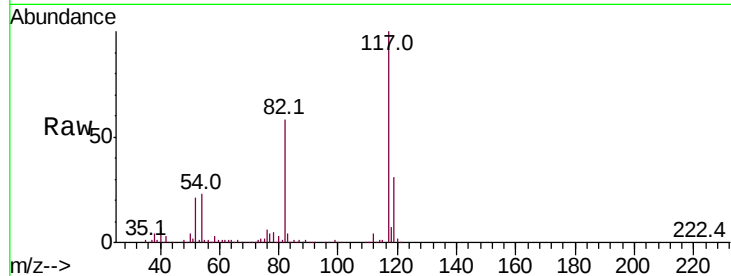




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW013031.D
Acq: 16 Sep 2019 10:29

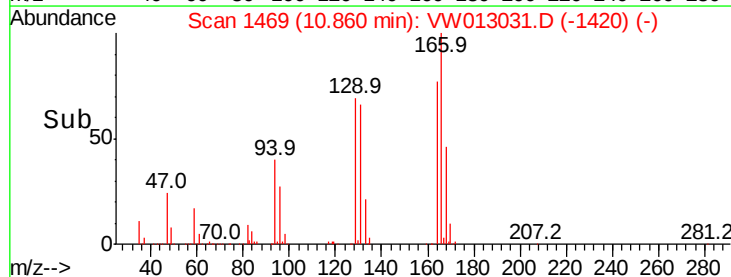
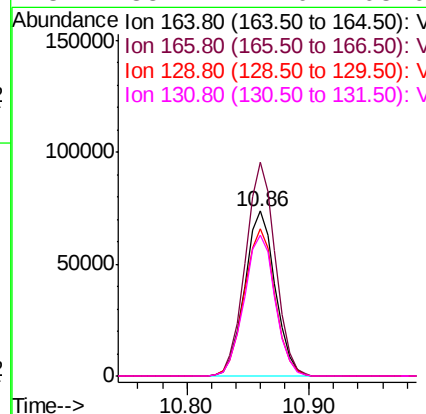
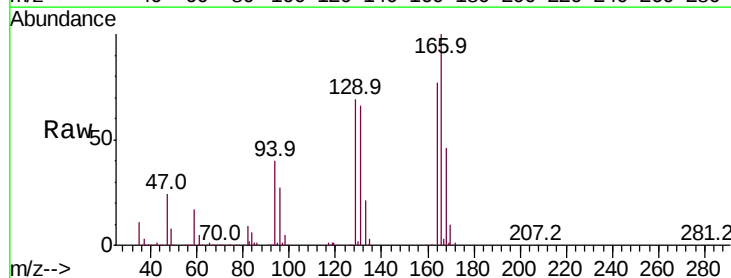
Instrument :
MSVOA_W
ClientSampleId :

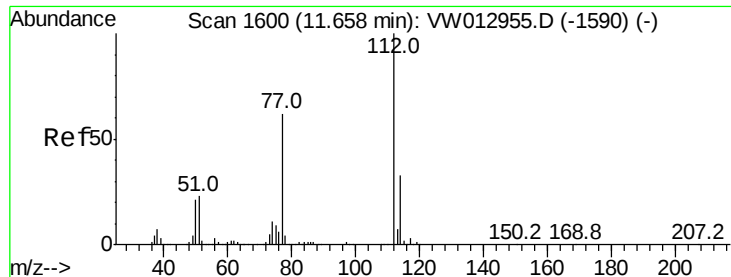
Tot Ion	Ratio	Lower	Upper
117	100		
82	58.0	46.3	69.5
119	31.2	26.2	39.4



#64
Tetrachloroethene
Concen: 52.171 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW013031.D
Acq: 16 Sep 2019 10:29

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.6	103.3	154.9
129	89.2	73.8	110.8
131	85.4	72.0	108.0

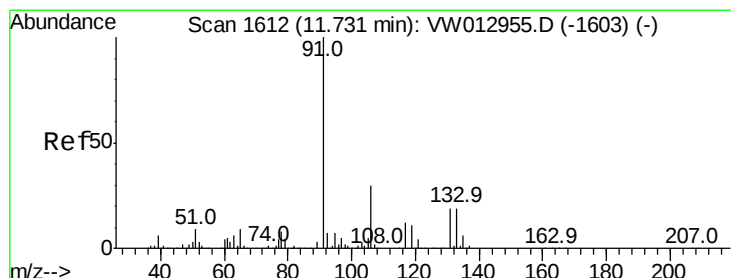
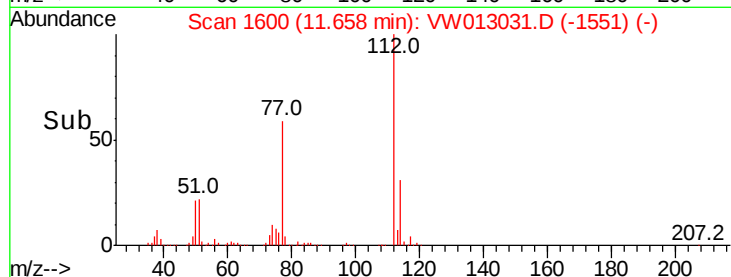
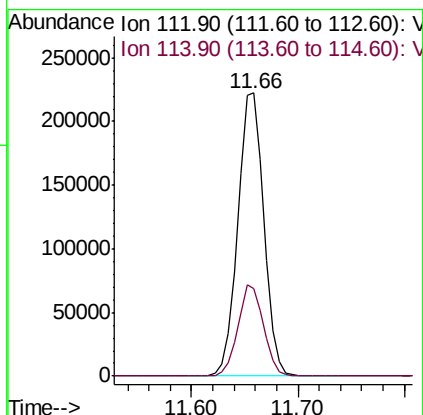
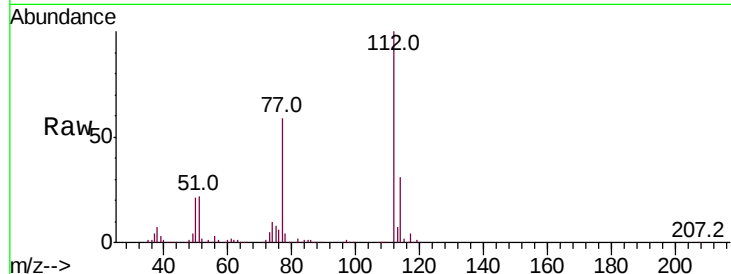




#65
Chlorobenzene
Concen: 52.371 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013031.D
Acq: 16 Sep 2019 10:29

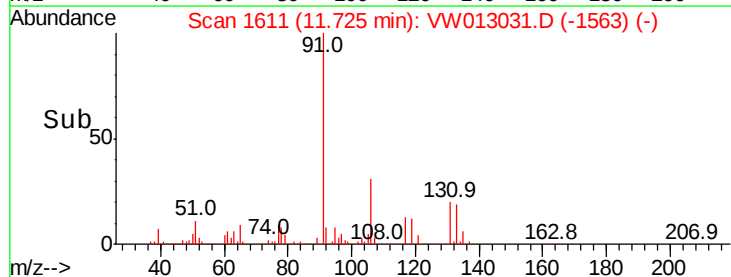
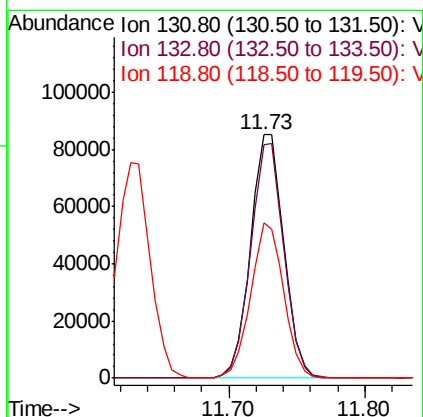
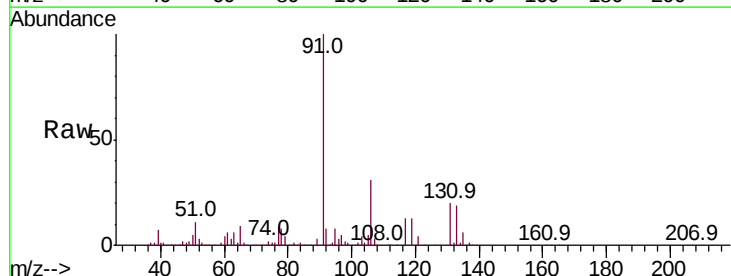
Instrument :
MSVOA_W
ClientSampleId :

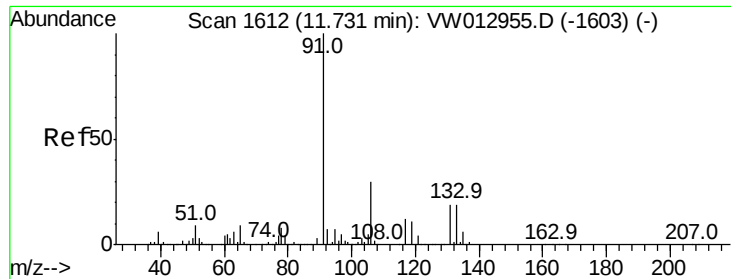
Tot Ion:112 Resp: 381083
Ion Ratio Lower Upper
112 100
114 31.0 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 52.593 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW013031.D
Acq: 16 Sep 2019 10:29

Tgt Ion:131 Resp: 146655
Ion Ratio Lower Upper
131 100
133 95.9 47.9 143.8
119 62.8 30.9 92.7

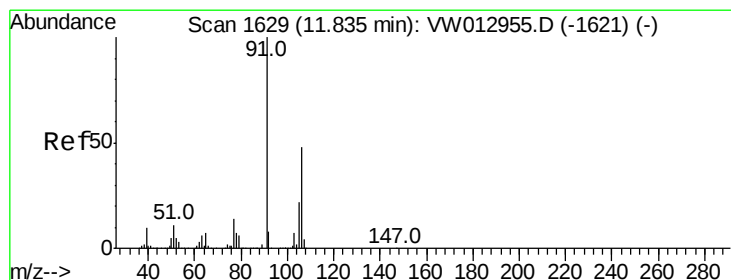
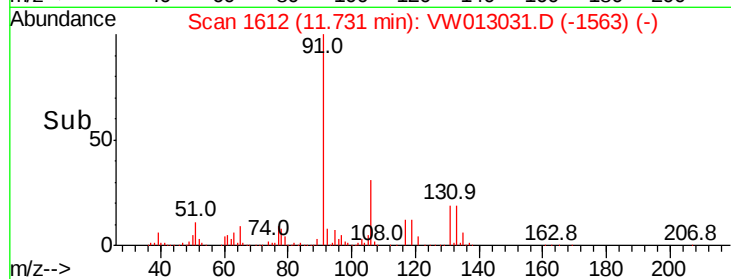
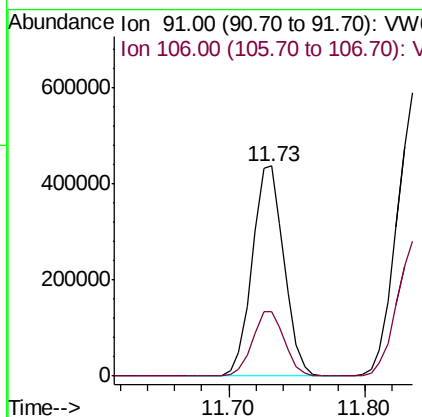
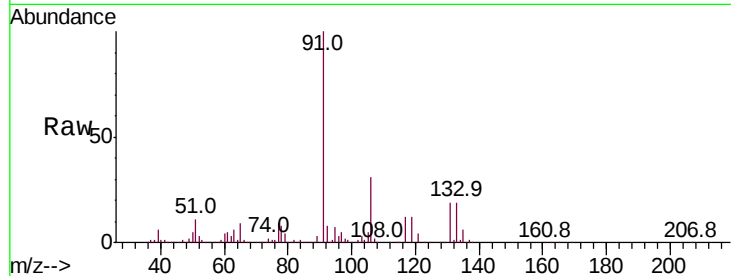




#67
Ethyl Benzene
Concen: 53.327 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013031.D
Acq: 16 Sep 2019 10:29

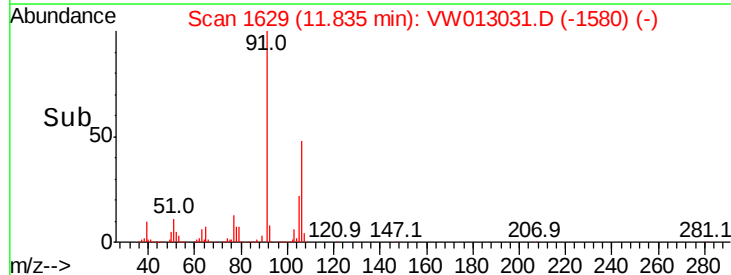
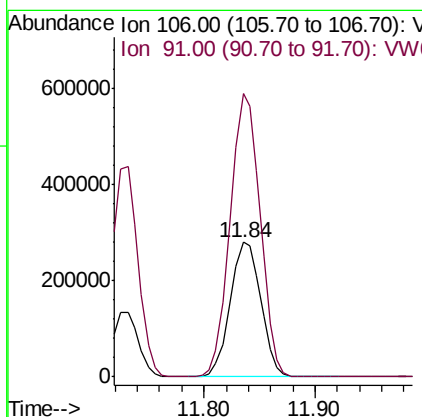
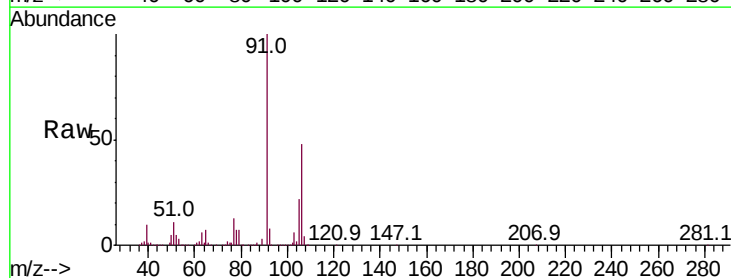
Instrument :
MSVOA_W
ClientSampleId :

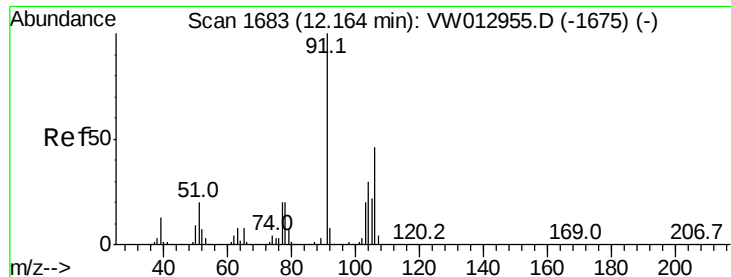
Tot Ion: 91 Resp: 716661
Ion Ratio Lower Upper
91 100
106 30.9 24.3 36.5



#68
m/p-Xylenes
Concen: 108.172 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW013031.D
Acq: 16 Sep 2019 10:29

Tgt Ion: 106 Resp: 531063
Ion Ratio Lower Upper
106 100
91 207.3 165.8 248.8

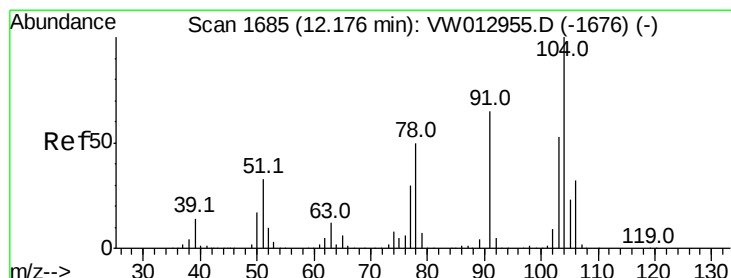
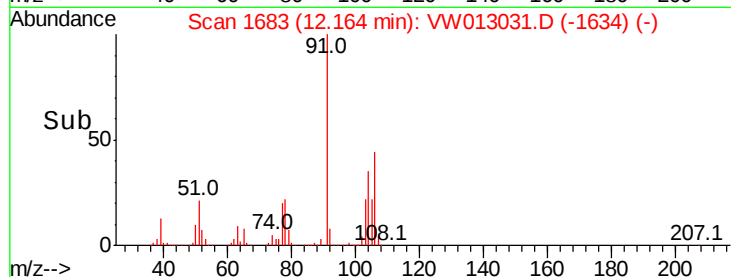
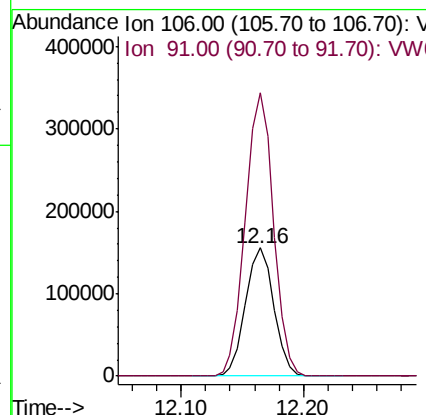
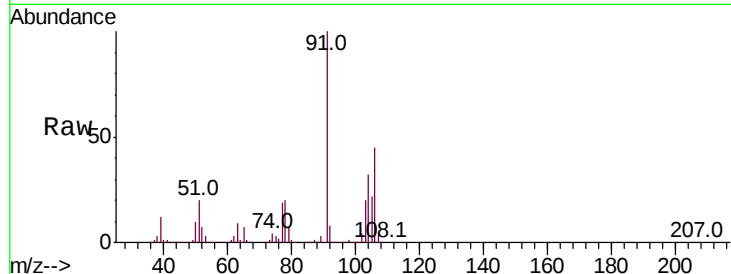




#69
o-Xylene
Concen: 54.638 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013031.D
Acq: 16 Sep 2019 10:29

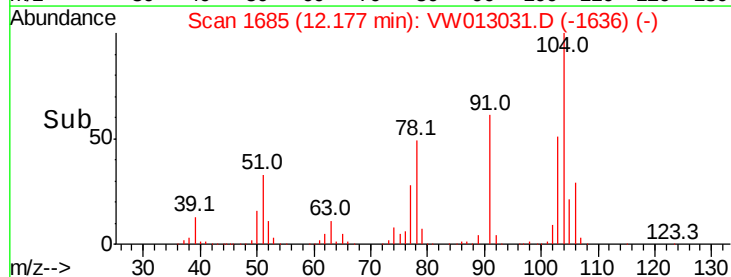
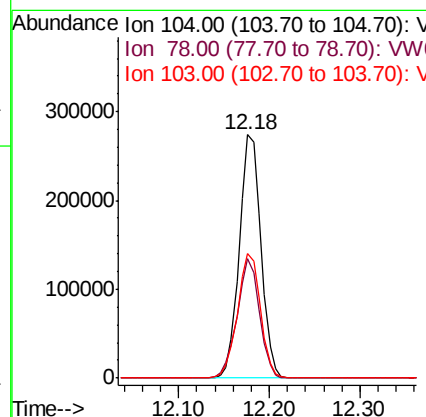
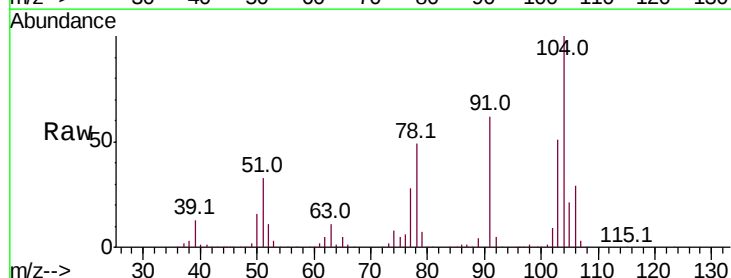
Instrument :
MSVOA_W
ClientSampleId :

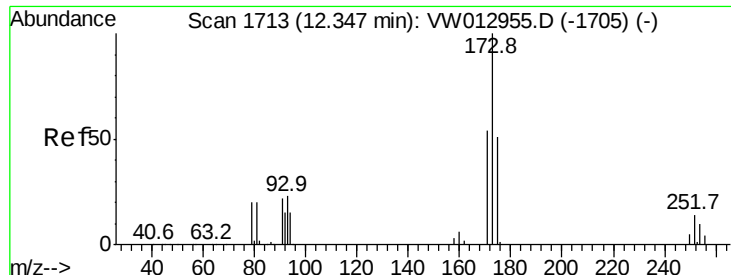
Tot Ion:106 Resp: 251483
Ion Ratio Lower Upper
106 100
91 218.7 109.7 329.0



#70
Styrene
Concen: 55.374 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VW013031.D
Acq: 16 Sep 2019 10:29

Tgt Ion:104 Resp: 453383
Ion Ratio Lower Upper
104 100
78 50.9 42.1 63.1
103 54.4 44.2 66.4





#71

Bromoform

Concen: 54.258 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

Instrument :

MSVOA_W

ClientSampleId :

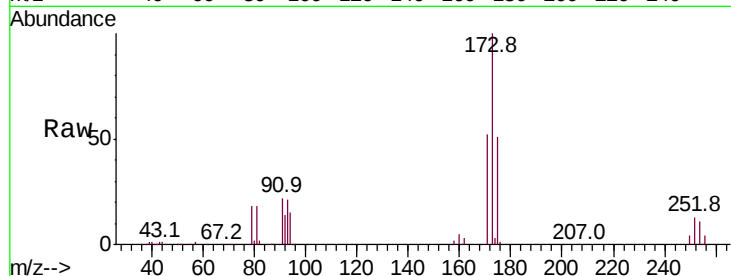
Tot Ion:173 Resp: 79473

Ion Ratio Lower Upper

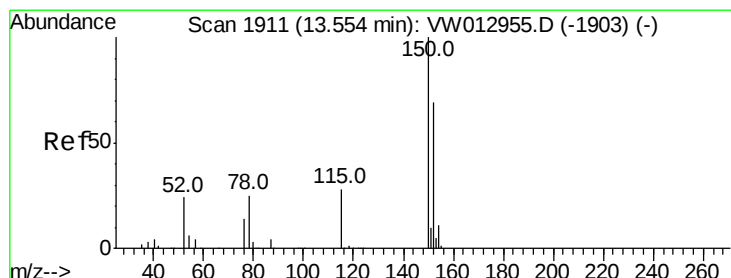
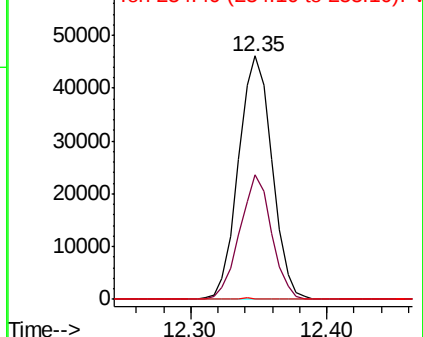
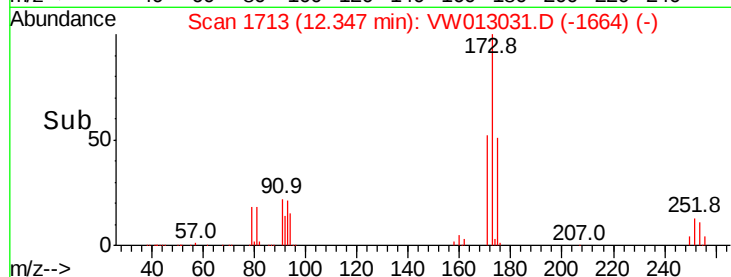
173 100

175 48.6 24.2 72.6

254 0.2 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: 13.56 min Scan# 1912

Delta R.T. 0.01 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

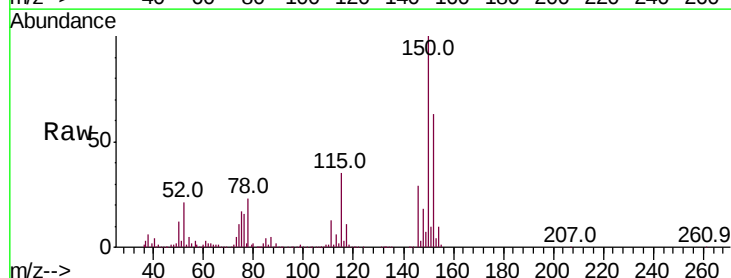
Tgt Ion:152 Resp: 208414

Ion Ratio Lower Upper

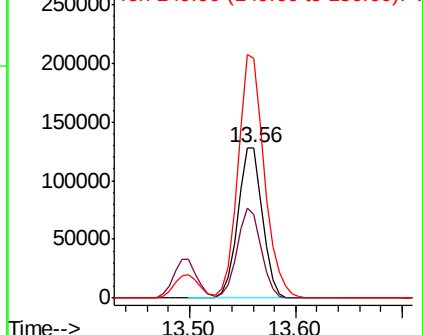
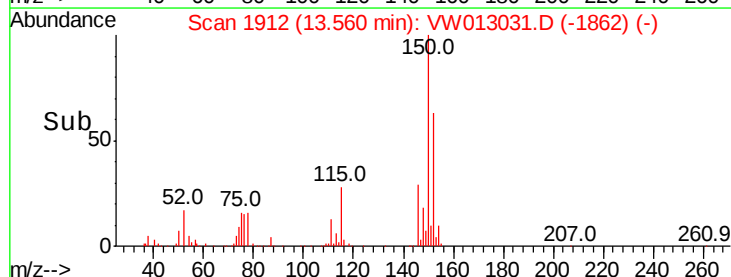
152 100

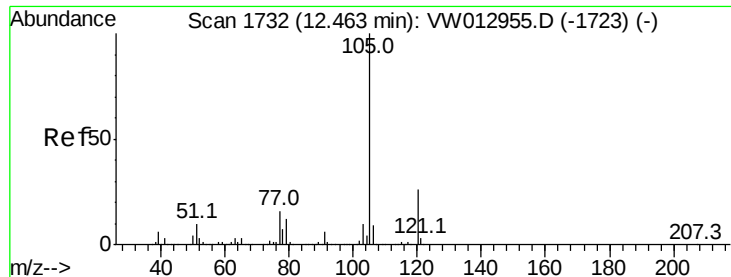
115 58.0 28.8 86.4

150 172.1 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: 52.841 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

Instrument :

MSVOA_W

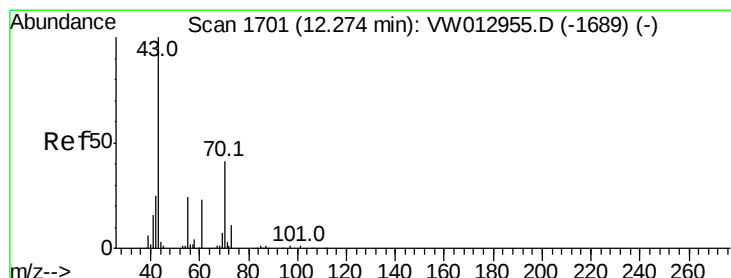
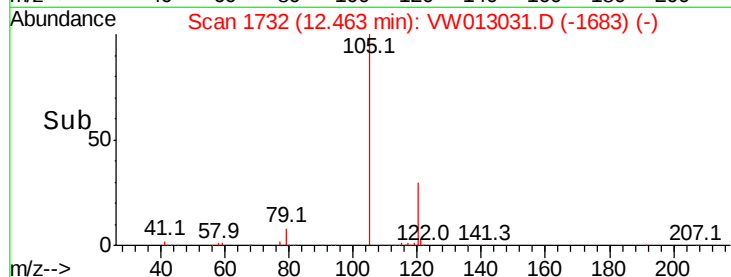
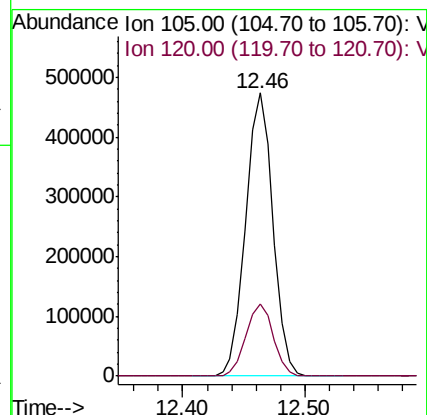
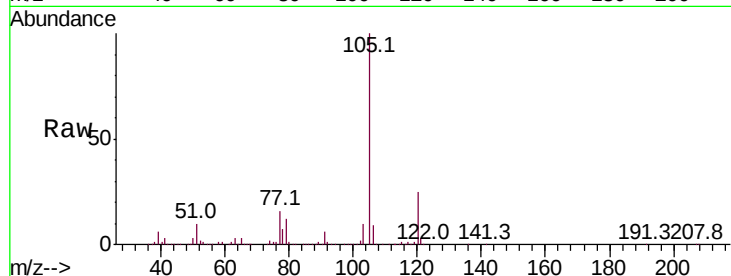
ClientSampled :

Tot Ion:105 Resp: 729956

Ion Ratio Lower Upper

105 100

120 25.9 13.0 39.0



#74

N-ethyl acetate

Concen: 54.403 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.01 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

Tgt Ion: 43 Resp: 193326

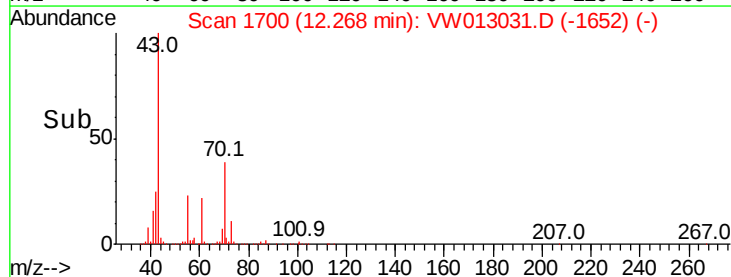
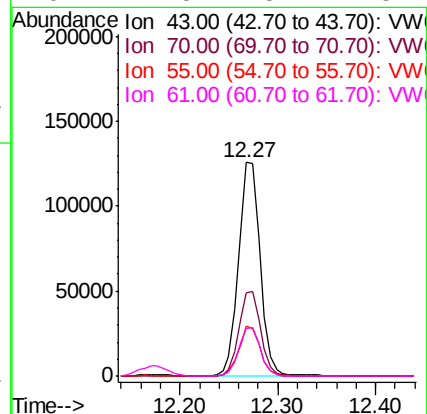
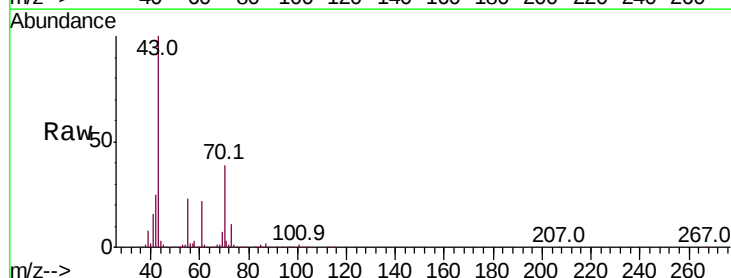
Ion Ratio Lower Upper

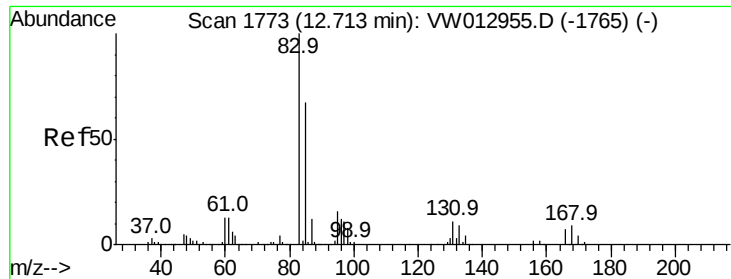
43 100

70 39.9 31.7 47.5

55 23.0 19.4 29.2

61 22.8 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 50.864 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

Instrument :

MSVOA_W

ClientSampleId :

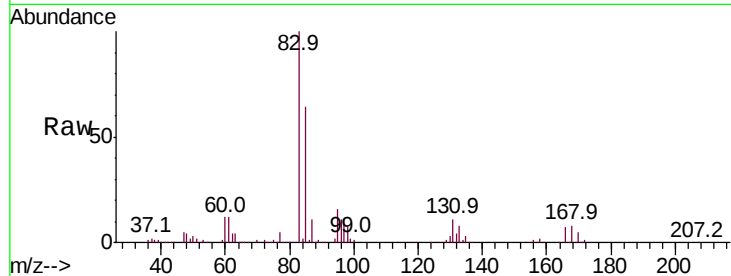
Tot Ion: 83 Resp: 123410

Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.7	17.1
85	63.7	31.4	94.3

83 100

131 11.0 5.7 17.1

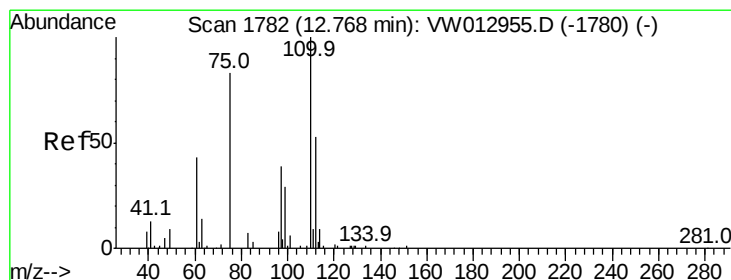
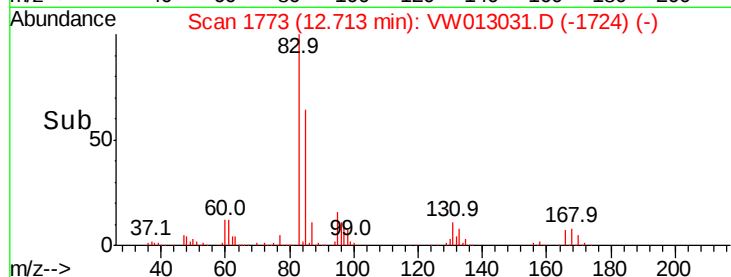
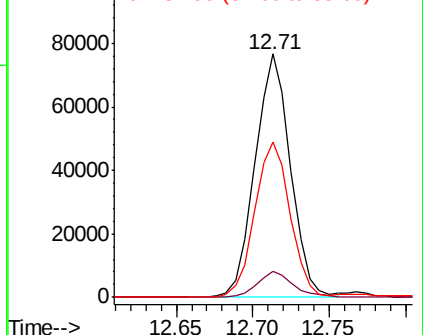
85 63.7 31.4 94.3



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 90.504 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW013031.D

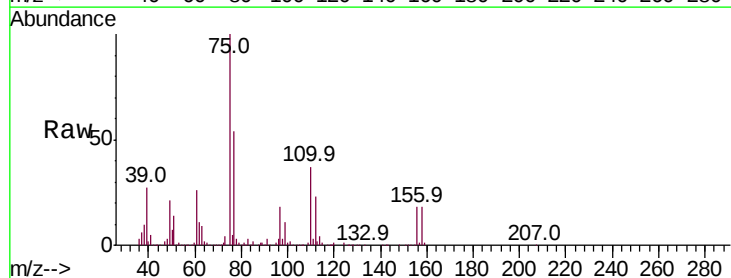
Acq: 16 Sep 2019 10:29

Tgt Ion: 75 Resp: 165219

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

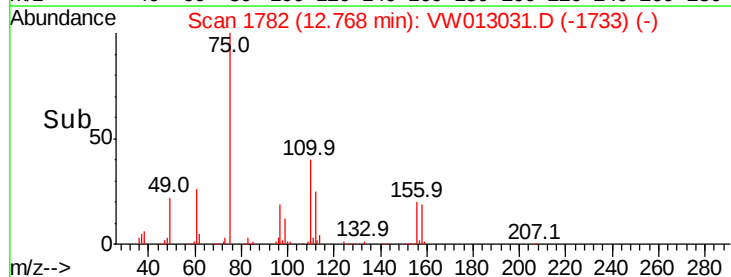
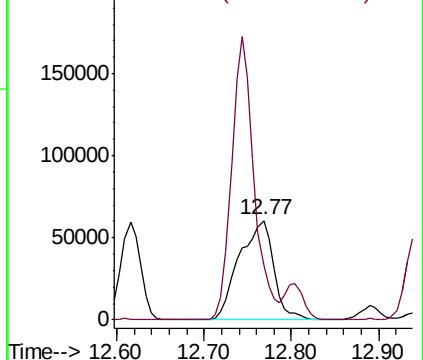
75 100

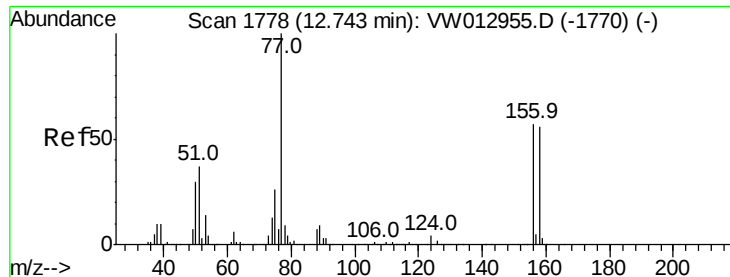
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 50.982 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

Instrument :

MSVOA_W

ClientSampleId :

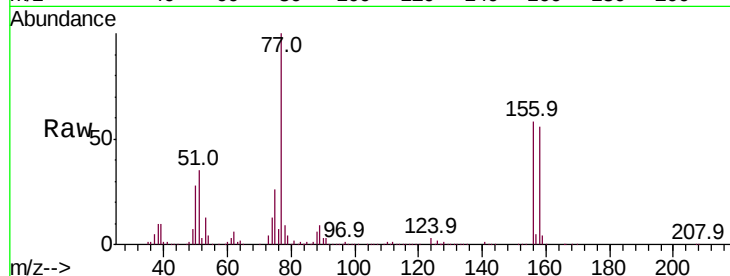
Tot Ion:156 Resp: 162247

Ion Ratio Lower Upper

156 100

77 191.7 95.2 285.6

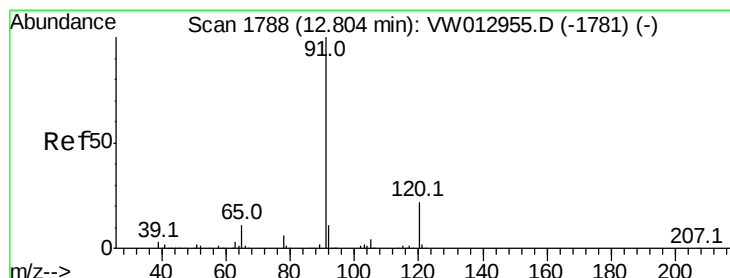
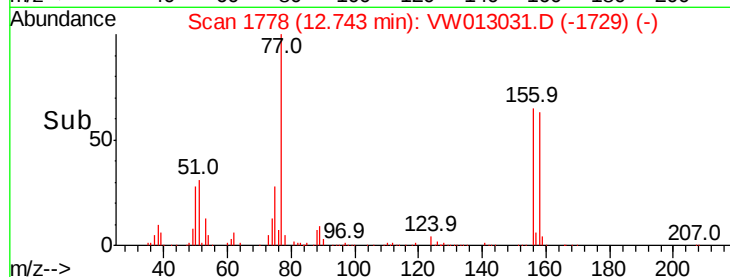
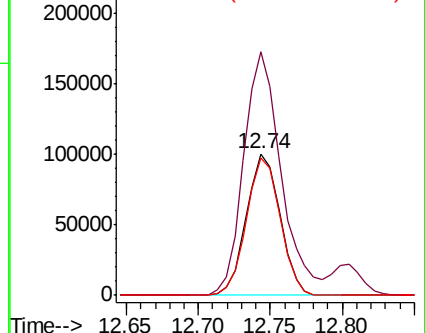
158 97.0 49.0 147.2



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: 52.945 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW013031.D

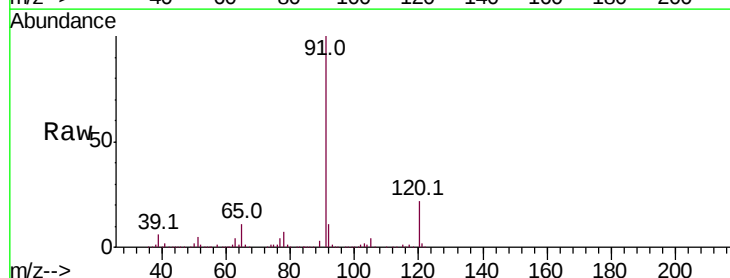
Acq: 16 Sep 2019 10:29

Tgt Ion: 91 Resp: 860335

Ion Ratio Lower Upper

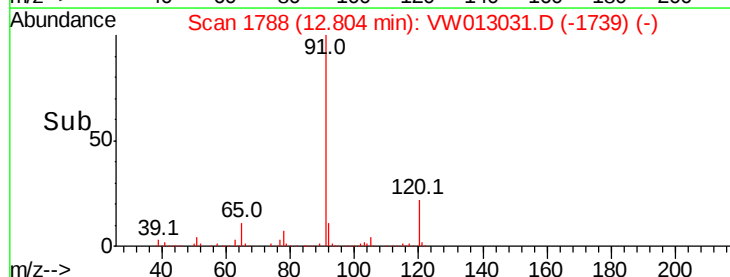
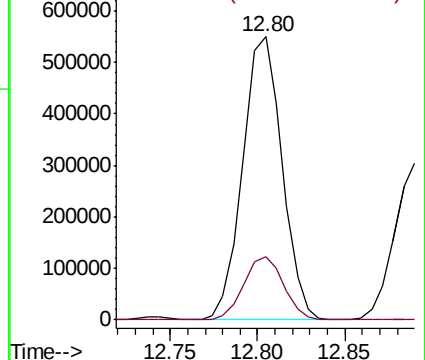
91 100

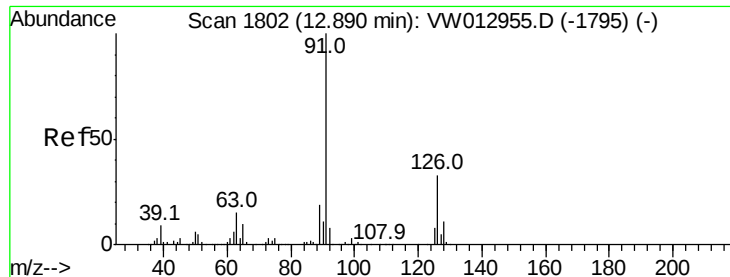
120 22.5 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.199 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

Instrument :

MSVOA_W

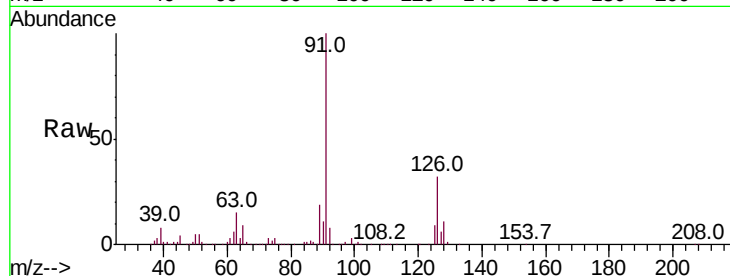
ClientSampled :

Tot Ion: 91 Resp: 487601

Ion Ratio Lower Upper

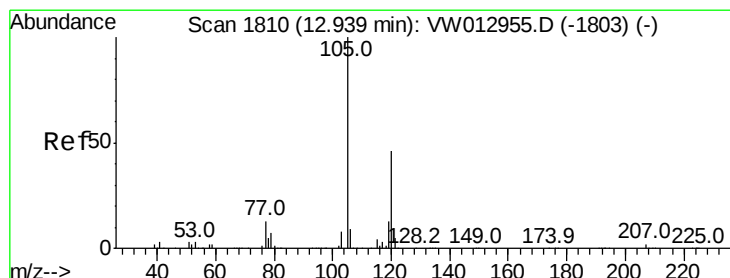
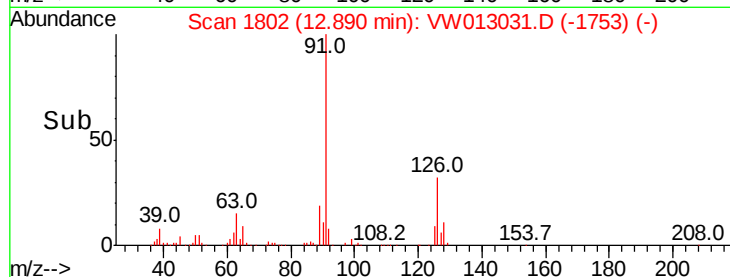
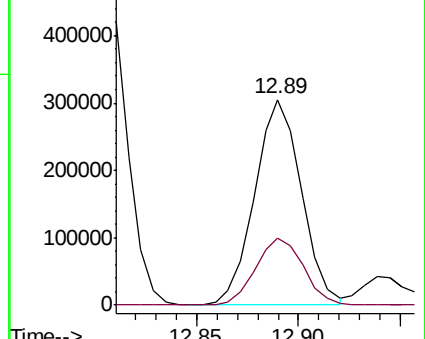
91 100

126 33.1 16.5 49.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 52.402 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW013031.D

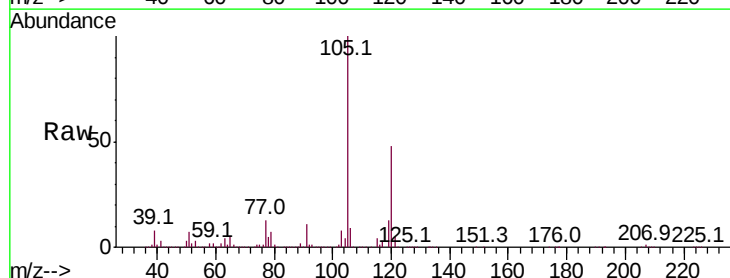
Acq: 16 Sep 2019 10:29

Tgt Ion:105 Resp: 612418

Ion Ratio Lower Upper

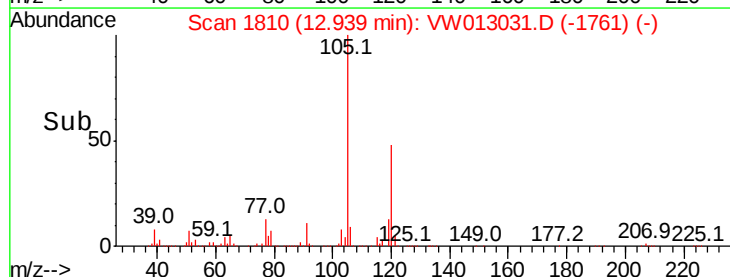
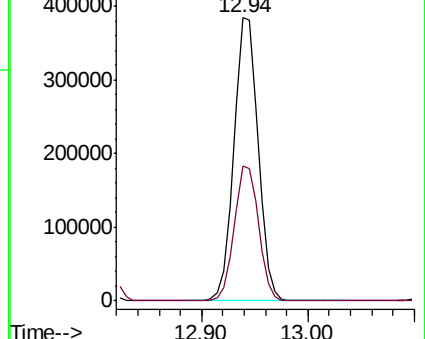
105 100

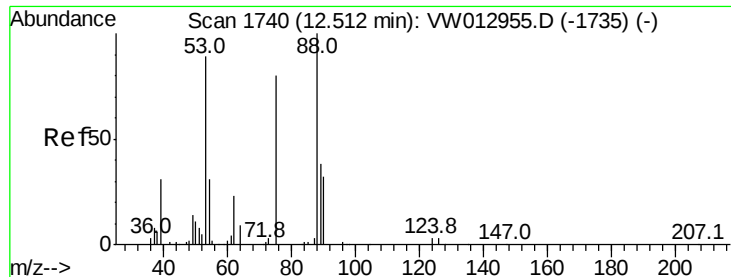
120 48.3 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

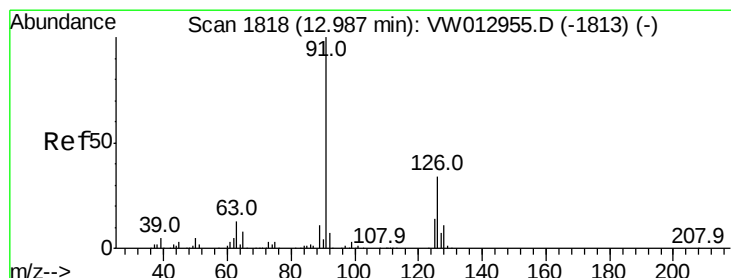
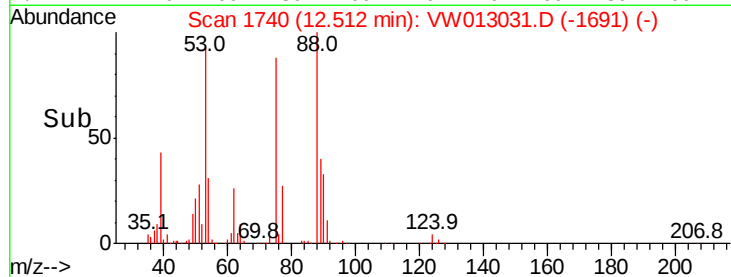
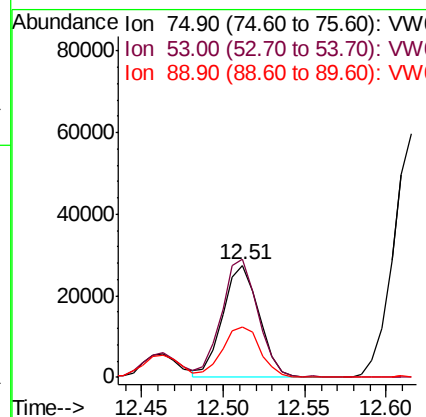
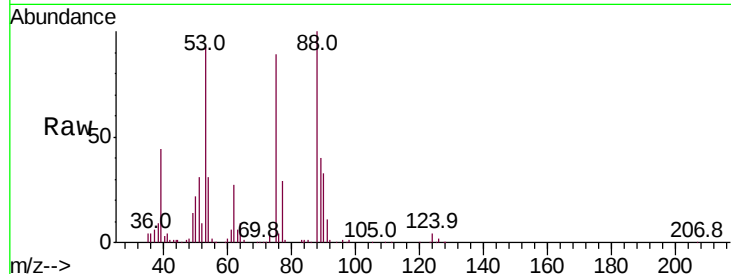




#81
trans-1,4-Dichloro-2-butene
Concen: 52.932 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW013031.D
Acq: 16 Sep 2019 10:29

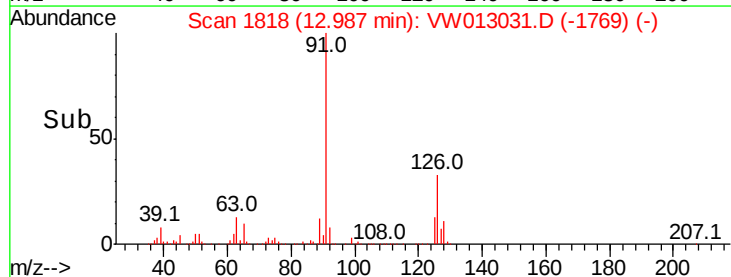
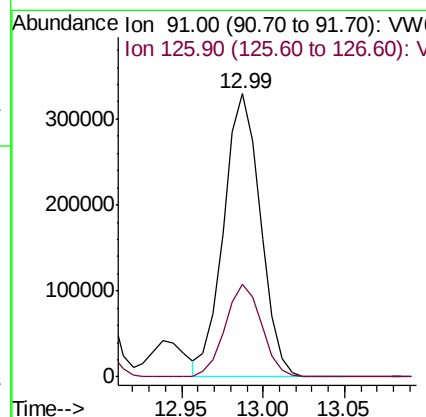
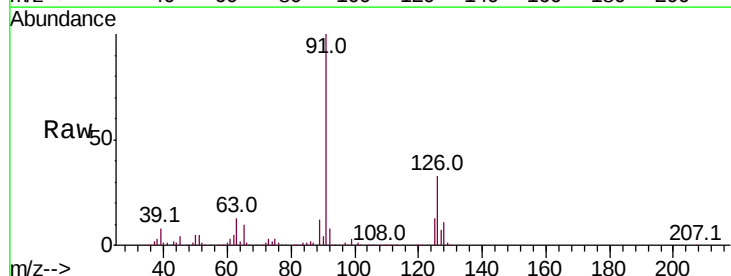
Instrument :
MSVOA_W
ClientSampleId :

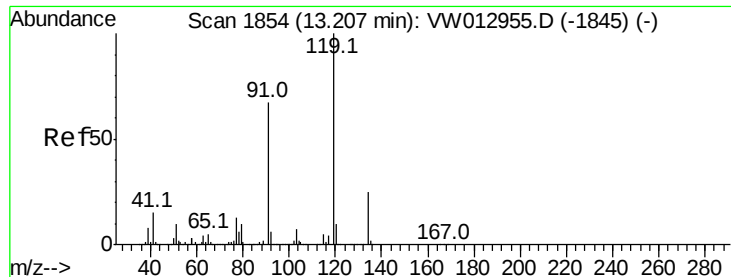
Tot Ion: 75 Resp: 42597
Ion Ratio Lower Upper
75 100
53 106.4 85.6 128.4
89 47.3 37.2 55.8



#82
4-Chlorotoluene
Concen: 52.375 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW013031.D
Acq: 16 Sep 2019 10:29

Tgt Ion: 91 Resp: 516213
Ion Ratio Lower Upper
91 100
126 32.6 16.1 48.3





#83

tert-Butylbenzene

Concen: 53.085 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

Instrument :

MSVOA_W

ClientSampleId :

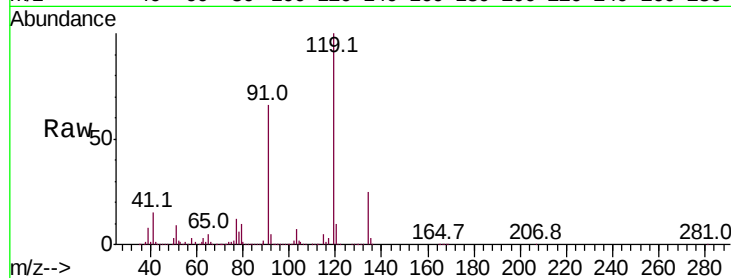
Tot Ion:119 Resp: 554919

Ion Ratio Lower Upper

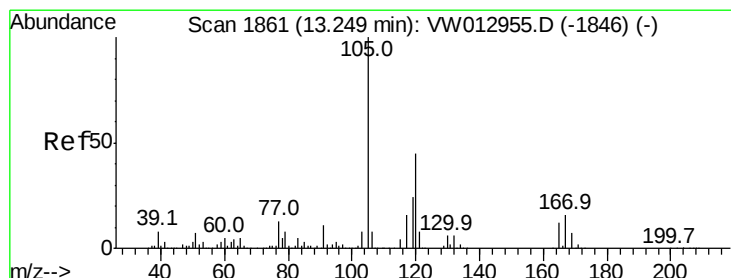
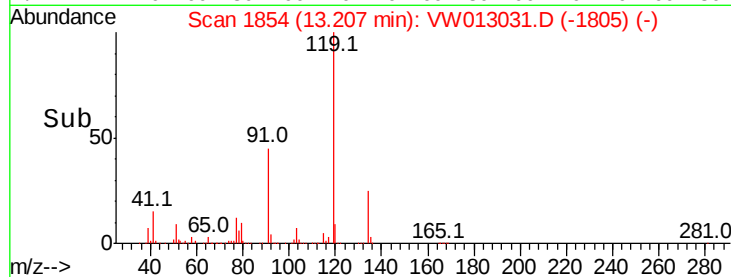
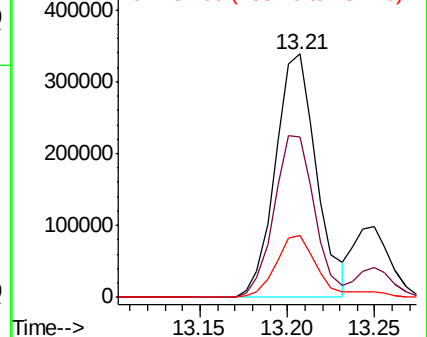
119 100

91 65.6 32.6 98.0

134 25.1 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: 53.246 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VW013031.D

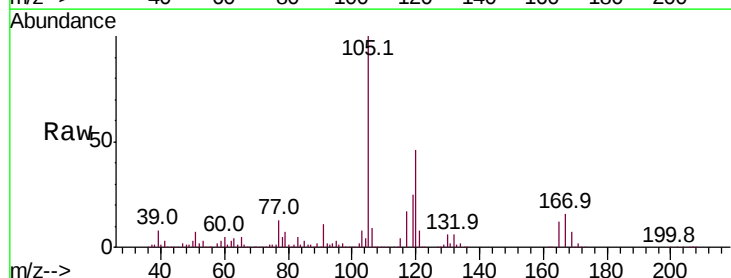
Acq: 16 Sep 2019 10:29

Tgt Ion:105 Resp: 614915

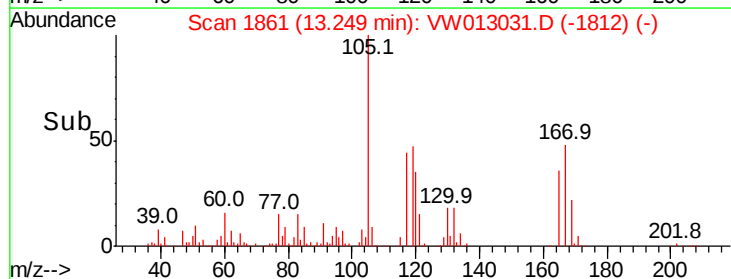
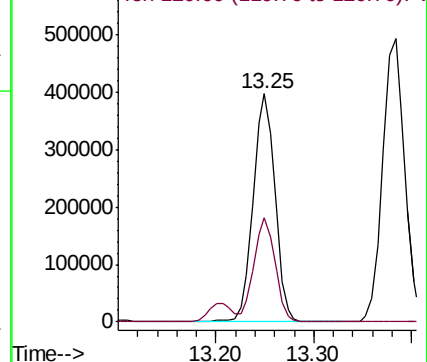
Ion Ratio Lower Upper

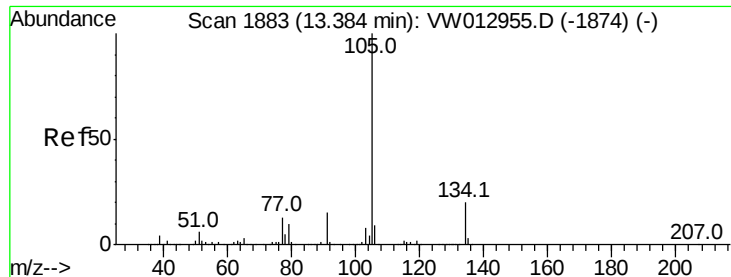
105 100

120 45.0 21.9 65.7



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

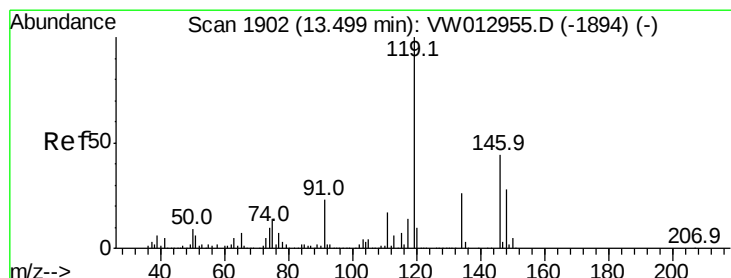
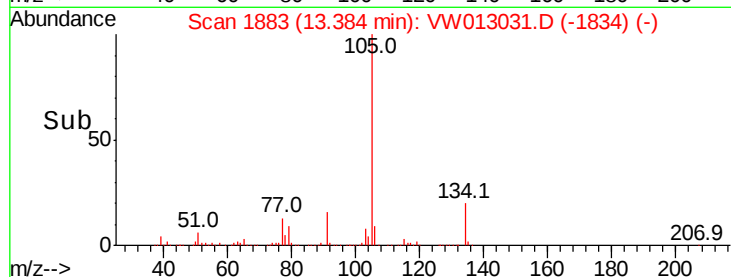
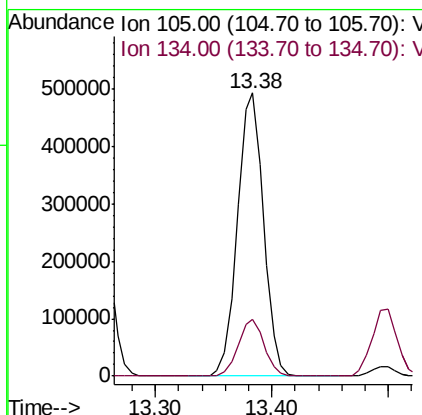
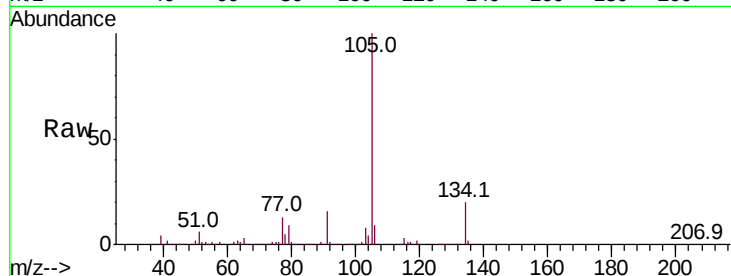




#85
 sec-Butylbenzene
 Concen: 53.933 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW013031.D
 Acq: 16 Sep 2019 10:29

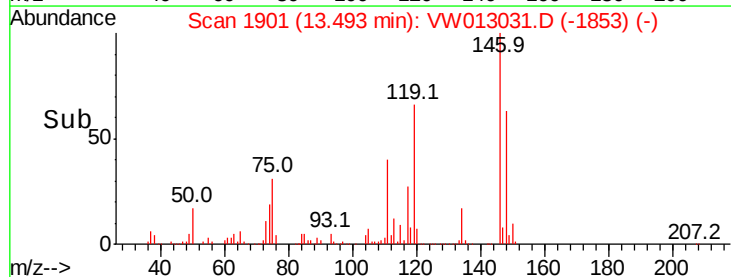
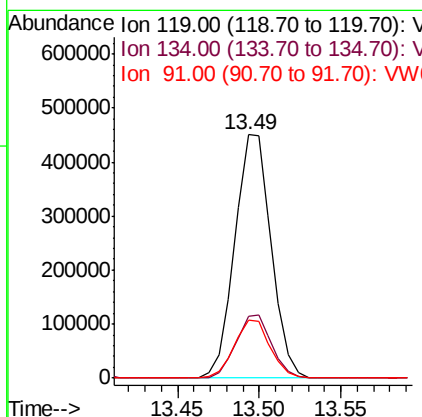
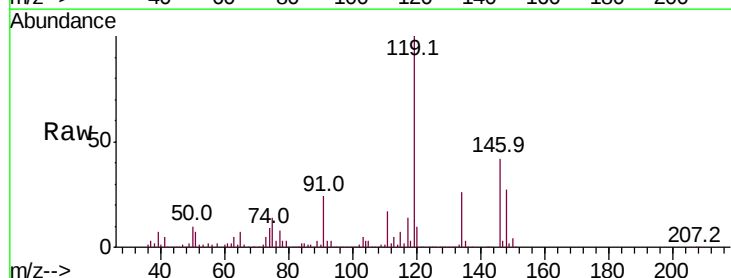
Instrument :
 MSVOA_W
 ClientSampled :

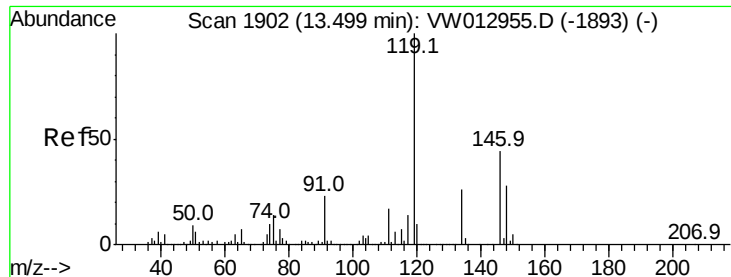
Tot Ion:105 Resp: 768122
 Ion Ratio Lower Upper
 105 100
 134 19.9 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 53.445 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. -0.01 min
 Lab File: VW013031.D
 Acq: 16 Sep 2019 10:29

Tgt Ion:119 Resp: 698847
 Ion Ratio Lower Upper
 119 100
 134 25.4 12.8 38.3
 91 23.4 11.8 35.4





#87

1,3-Dichlorobenzene

Concen: 51.483 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

Instrument :

MSVOA_W

ClientSampleId :

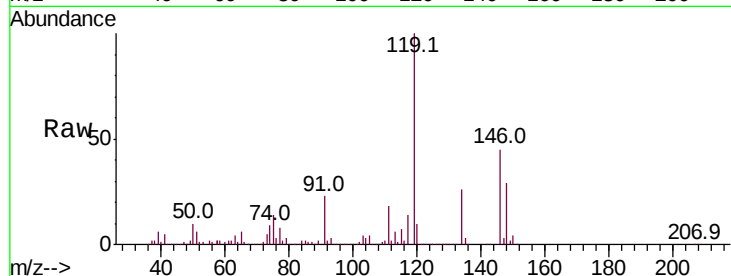
Tot Ion:146 Resp: 324339

Ion Ratio Lower Upper

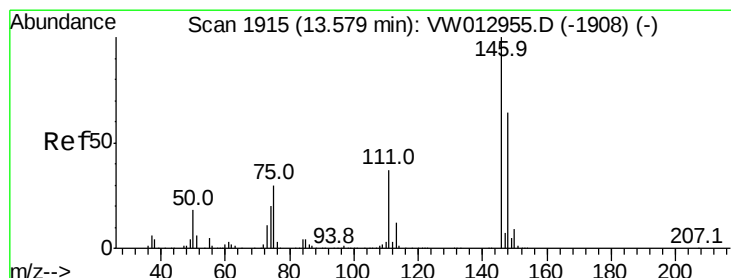
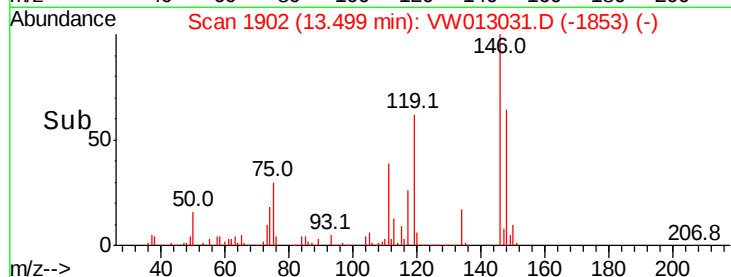
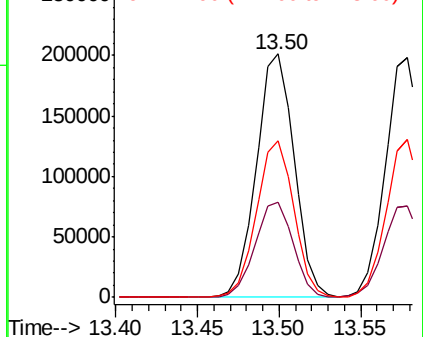
146 100

111 39.6 19.8 59.4

148 63.8 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: 52.043 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

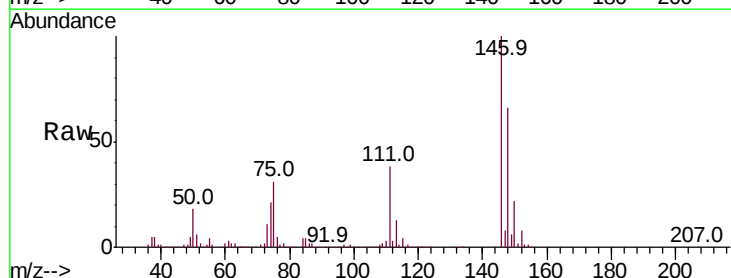
Tgt Ion:146 Resp: 322197

Ion Ratio Lower Upper

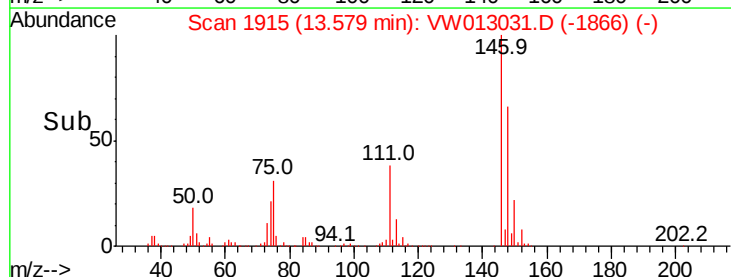
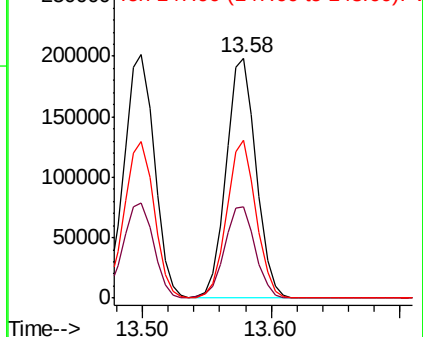
146 100

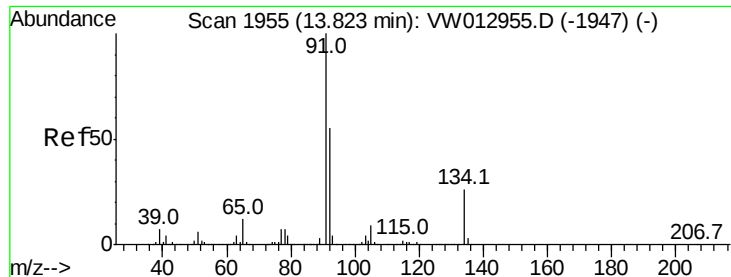
111 39.1 19.4 58.2

148 64.0 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

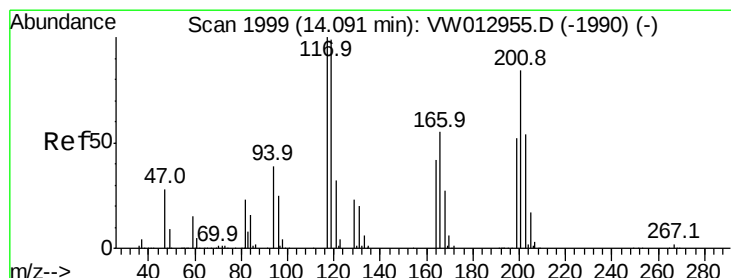
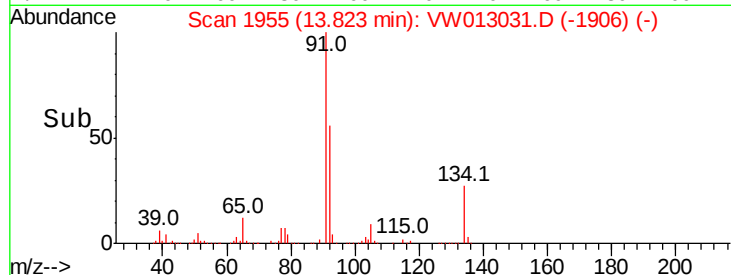
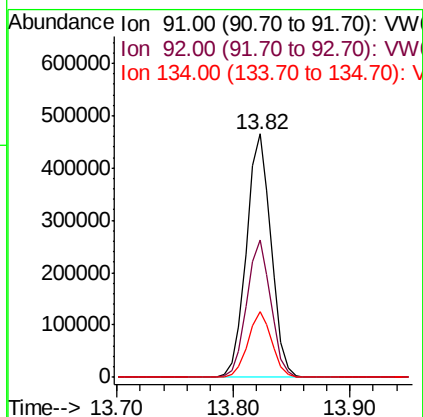
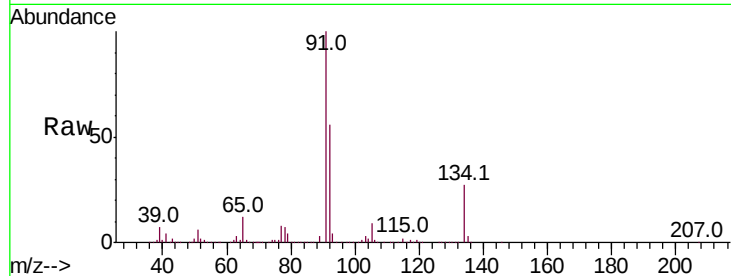




#89
n-Butylbenzene
Concen: 55.575 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW013031.D
Acq: 16 Sep 2019 10:29

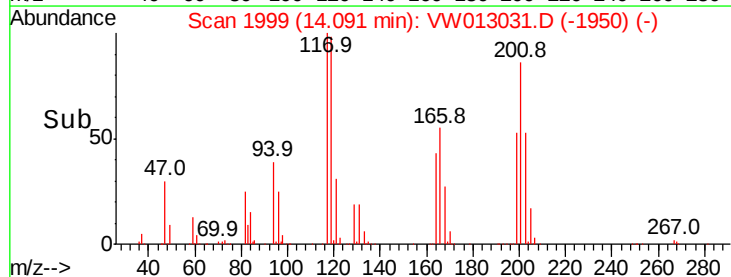
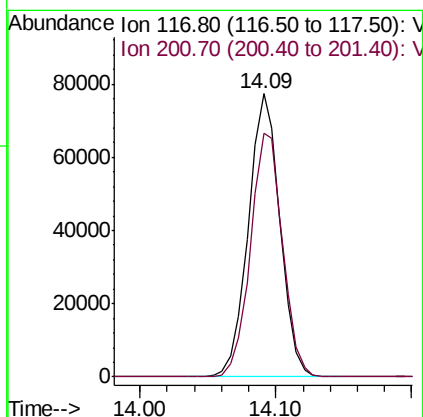
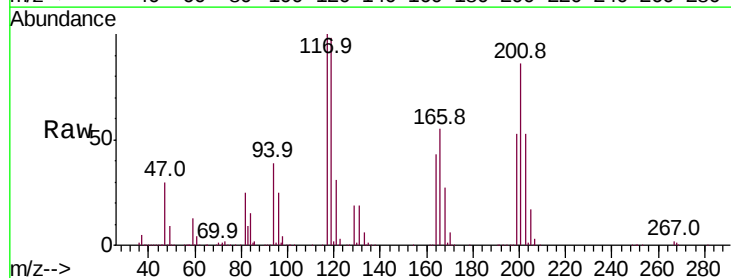
Instrument :
MSVOA_W
ClientSampleId :

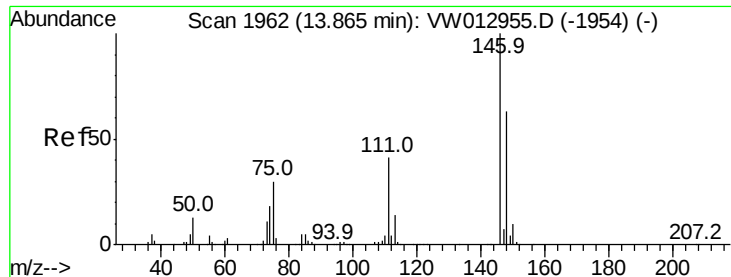
Tot Ion: 91 Resp: 685334
Ion Ratio Lower Upper
91 100
92 55.3 27.2 81.5
134 26.0 13.1 39.1



#90
Hexachloroethane
Concen: 53.626 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW013031.D
Acq: 16 Sep 2019 10:29

Tgt Ion: 117 Resp: 125661
Ion Ratio Lower Upper
117 100
201 87.4 45.3 135.9





#91

1,2-Dichlorobenzene

Concen: 51.423 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.01 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

Instrument :

MSVOA_W

ClientSampleId :

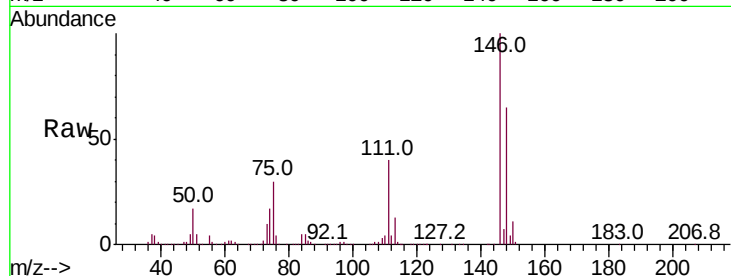
Tot Ion:146 Resp: 284896

Ion Ratio Lower Upper

146 100

111 40.7 20.8 62.5

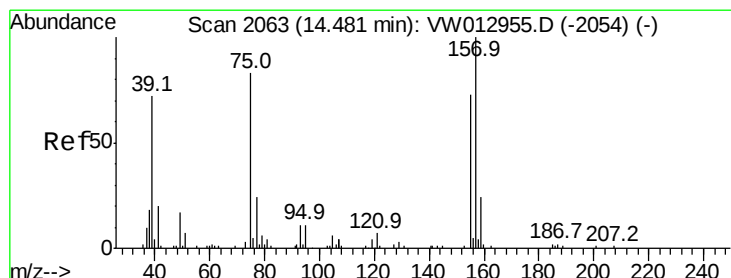
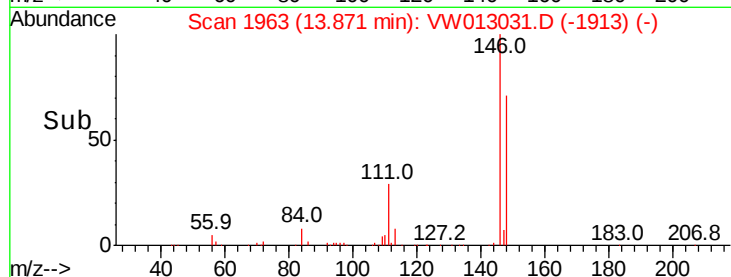
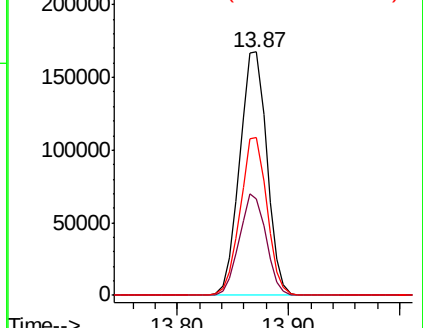
148 63.7 32.7 98.1



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.827 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

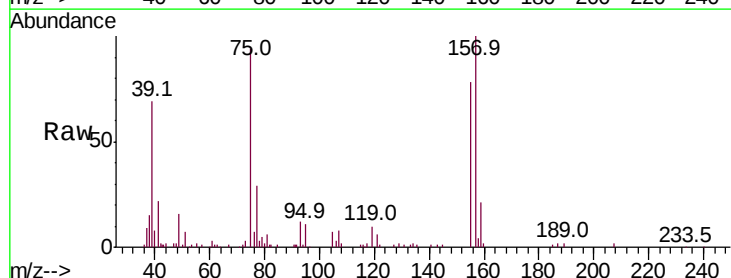
Tgt Ion: 75 Resp: 21685

Ion Ratio Lower Upper

75 100

155 87.1 43.3 129.9

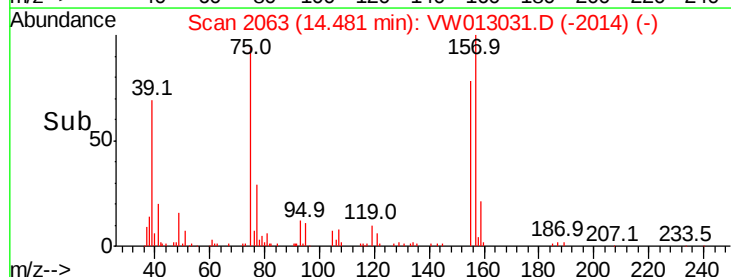
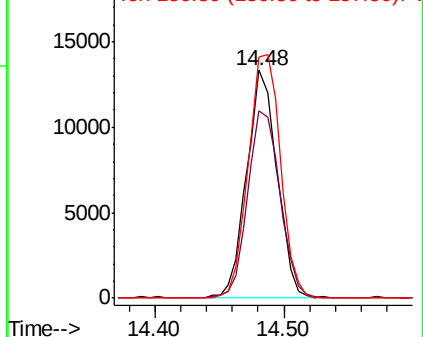
157 112.9 54.7 164.1

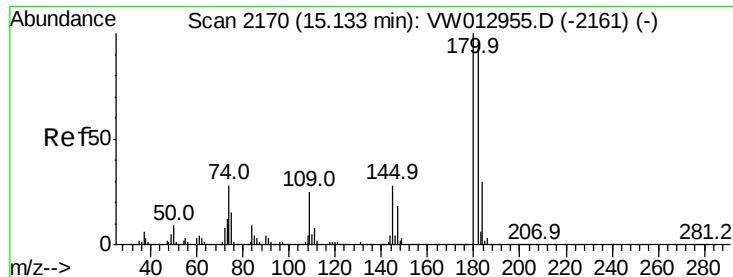


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

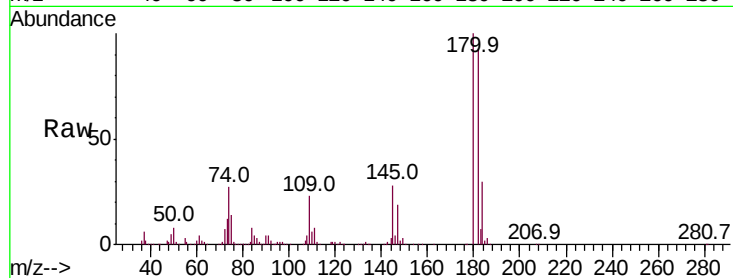




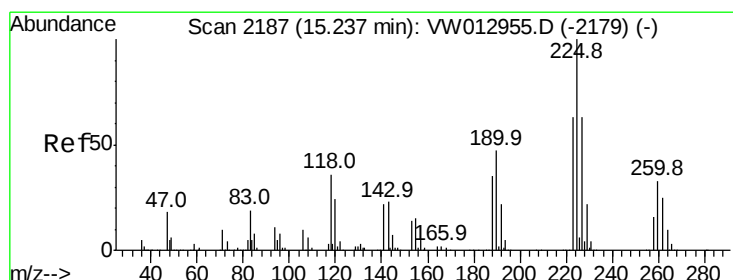
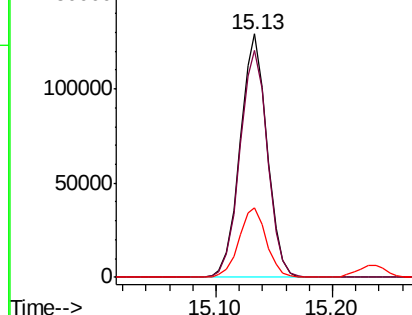
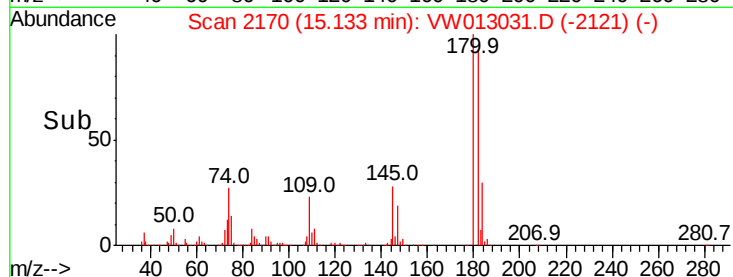
#93
 1,2,4-Trichlorobenzene
 Concen: 52.577 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013031.D
 Acq: 16 Sep 2019 10:29

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Resp	Lower	Upper
180	100	207735		
182	96.0		47.4	142.2
145	29.0		14.9	44.7

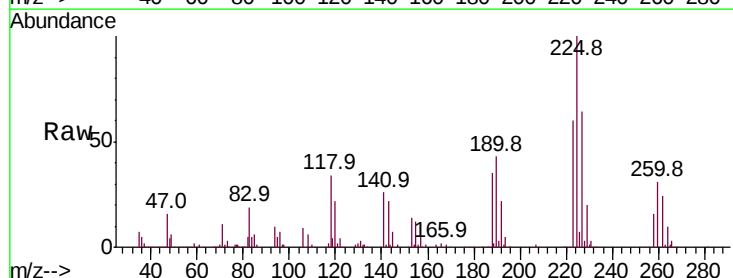


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

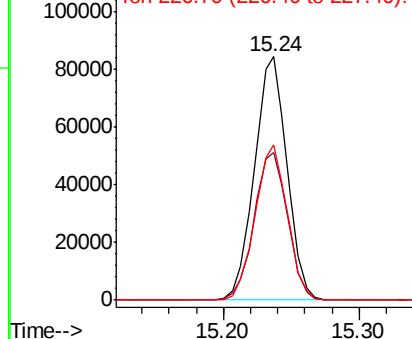
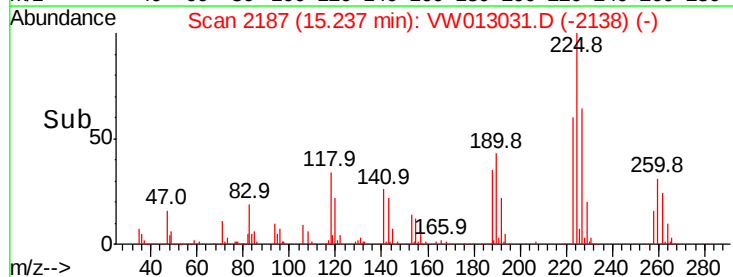


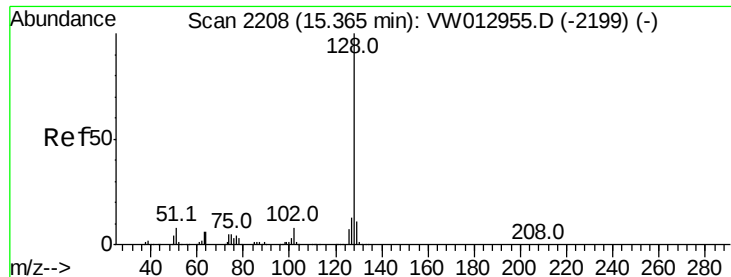
#94
 Hexachlorobutadiene
 Concen: 50.567 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW013031.D
 Acq: 16 Sep 2019 10:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	141438		
223	62.2		31.8	95.3
227	63.0		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

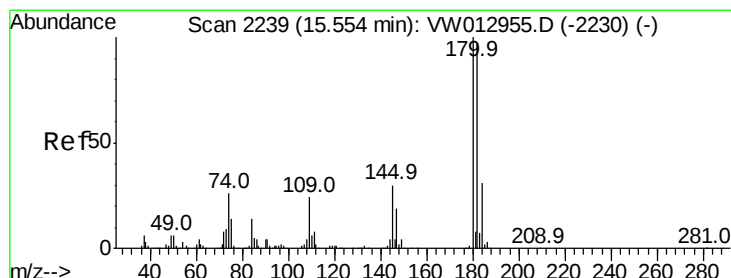
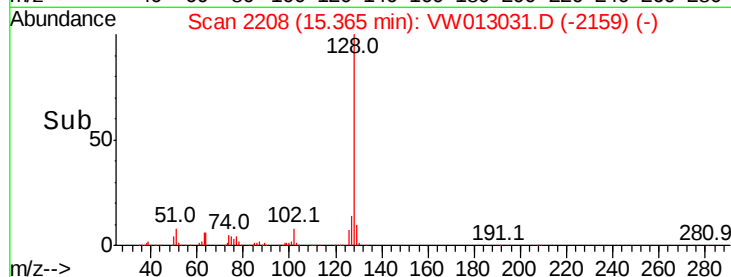
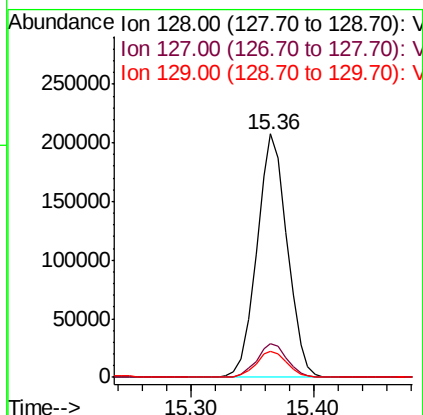
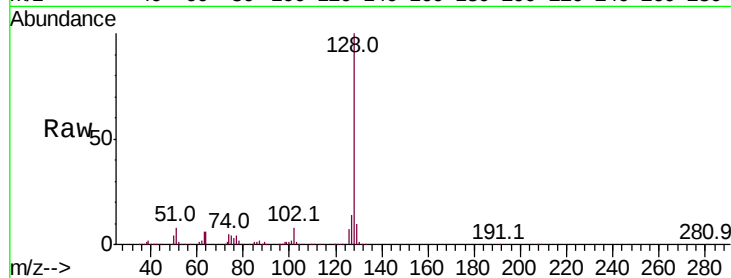




#95
Naphthalene
Concen: 54.096 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW013031.D
Acq: 16 Sep 2019 10:29

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:128 Resp: 357131
Ion Ratio Lower Upper
128 100
127 13.9 11.0 16.6
129 10.9 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 52.444 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW013031.D
Acq: 16 Sep 2019 10:29

Tgt Ion:180 Resp: 183171
Ion Ratio Lower Upper
180 100
182 95.1 47.6 142.8
145 30.8 15.4 46.2

