

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091619\
 Data File : VW013033.D
 Acq On : 16 Sep 2019 11:40
 Operator : SY/VA
 Sample : VW0916SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 16 12:16:01 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	300953	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	436093	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	379950	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	195768	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	134161	48.27	ug/l	0.00
Spiked Amount			Recovery	=	96.54%	
35) Dibromofluoromethane	7.88	113	114072	48.21	ug/l	0.00
Spiked Amount			Recovery	=	96.42%	
50) Toluene-d8	10.32	98	464387	50.15	ug/l	0.00
Spiked Amount			Recovery	=	100.30%	
62) 4-Bromofluorobenzene	12.62	95	164633	49.45	ug/l	0.00
Spiked Amount			Recovery	=	98.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	27004	20.830	ug/l	94
3) Chloromethane	2.21	50	37349	23.187	ug/l	99
4) Vinyl Chloride	2.35	62	47239	21.930	ug/l	91
5) Bromomethane	2.77	94	27176	20.658	ug/l	93
6) Chloroethane	2.90	64	26297	19.904	ug/l	95
7) Trichlorofluoromethane	3.24	101	27315	18.133	ug/l	91
8) Diethyl Ether	3.68	74	24265	20.630	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.06	101	43776	19.161	ug/l	98
10) Methyl Iodide	4.26	142	59780	20.908	ug/l	97
11) Tert butyl alcohol	5.12	59	15713	68.166	ug/l #	72
12) 1,1-Dichloroethene	4.03	96	42605	20.509	ug/l	94
13) Acrolein	3.89	56	23702	111.799	ug/l	99
14) Allyl chloride	4.65	41	83203	21.098	ug/l	96
15) Acrylonitrile	5.37	53	66067	109.974	ug/l	96
16) Acetone	4.13	43	70093	104.869	ug/l	98
17) Carbon Disulfide	4.37	76	85974	20.768	ug/l	99
18) Methyl Acetate	4.67	43	37508	23.686	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	86804	21.169	ug/l	94
20) Methylene Chloride	4.91	84	50725	19.417	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	45678	20.530	ug/l	99
22) Diisopropyl ether	6.31	45	168878	20.613	ug/l	99
23) Vinyl Acetate	6.24	43	532114	108.440	ug/l	99
24) 1,1-Dichloroethane	6.21	63	93914	19.881	ug/l	96
25) 2-Butanone	7.17	43	101199	114.502	ug/l	96
26) 2,2-Dichloropropane	7.16	77	62606	18.119	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	54060	20.295	ug/l	99
28) Bromochloromethane	7.51	49	37500	18.861	ug/l	100
29) Tetrahydrofuran	7.53	42	58443	116.054	ug/l	99
30) Chloroform	7.67	83	93432	19.466	ug/l	95
31) Cyclohexane	7.95	56	84383	21.362	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	74673	18.892	ug/l	98
36) 1,1-Dichloropropene	8.08	75	69842	20.042	ug/l	98
37) Ethyl Acetate	7.25	43	41263	22.308	ug/l	99
38) Carbon Tetrachloride	8.06	117	67450	18.888	ug/l	95

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 ClientSampleId :

Quant Time: Sep 16 12:16:01 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)
39) Methylcyclohexane	9.33	83	82093	21.498	ug/l	96
40) Benzene	8.32	78	197040	20.254	ug/l	100
41) Methacrylonitrile	7.48	41	24705	20.282	ug/l	96
42) 1,2-Dichloroethane	8.40	62	64427	19.756	ug/l	98
43) Isopropyl Acetate	8.42	43	77590	21.847	ug/l	99
44) Trichloroethene	9.09	130	53014	19.895	ug/l	95
45) 1,2-Dichloropropane	9.37	63	51578	19.955	ug/l	98
46) Dibromomethane	9.46	93	25151	20.311	ug/l	97
47) Bromodichloromethane	9.64	83	68009	19.580	ug/l	97
48) Methyl methacrylate	9.43	41	36882	22.128	ug/l	97
49) 1,4-Dioxane	9.46	88	9403	453.170	ug/l #	78
51) 4-Methyl-2-Pentanone	10.21	43	209245	114.122	ug/l	100
52) Toluene	10.38	92	124658	20.166	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	72183	20.663	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	81919	20.495	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	39799	21.098	ug/l	96
56) Ethyl methacrylate	10.65	69	54317	21.392	ug/l	99
57) 1,3-Dichloropropane	10.93	76	69936	20.899	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	146193	107.330	ug/l	100
59) 2-Hexanone	10.97	43	146122	114.453	ug/l	100
60) Dibromochloromethane	11.13	129	44771	19.631	ug/l	94
61) 1,2-Dibromoethane	11.23	107	37033	21.520	ug/l	100
64) Tetrachloroethene	10.86	164	43964	19.450	ug/l	96
65) Chlorobenzene	11.66	112	134887	19.931	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	49451	19.067	ug/l	99
67) Ethyl Benzene	11.73	91	251571	20.127	ug/l	99
68) m/p-Xylenes	11.83	106	181900	39.837	ug/l	100
69) o-Xylene	12.16	106	85917	20.070	ug/l	99
70) Styrene	12.18	104	150748	19.796	ug/l	99
71) Bromoform	12.35	173	27493	20.181	ug/l	99
73) Isopropylbenzene	12.46	105	250482	19.303	ug/l	99
74) N-amyl acetate	12.27	43	70619	21.156	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	47290	20.750	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	62325	36.346	ug/l #	100
77) Bromobenzene	12.74	156	58132	19.446	ug/l	98
78) n-propylbenzene	12.80	91	297397	19.484	ug/l	100
79) 2-Chlorotoluene	12.89	91	166454	18.970	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	212925	19.396	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	16174	21.397	ug/l	95
82) 4-Chlorotoluene	12.99	91	176408	19.055	ug/l	100
83) tert-Butylbenzene	13.21	119	191904	19.544	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	209840	19.344	ug/l	99
85) sec-Butylbenzene	13.38	105	257708	19.263	ug/l	100
86) p-Isopropyltoluene	13.50	119	238322	19.403	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	114679	19.379	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	112793	19.396	ug/l	99
89) n-Butylbenzene	13.82	91	223642	19.307	ug/l	99
90) Hexachloroethane	14.09	117	39250	17.832	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	100242	19.262	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	8858	21.234	ug/l	93

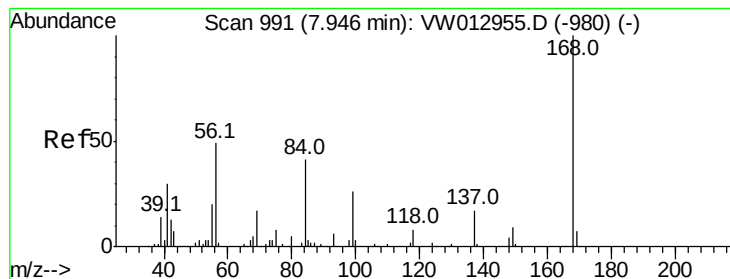
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Quant Title : SW846 8260
QLast Update : Fri Sep 13 17:26:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	74319	20.025	ug/l	99
94) Hexachlorobutadiene	15.23	225	49528	18.851	ug/l	99
95) Naphthalene	15.36	128	131583	21.219	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	65169	19.864	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

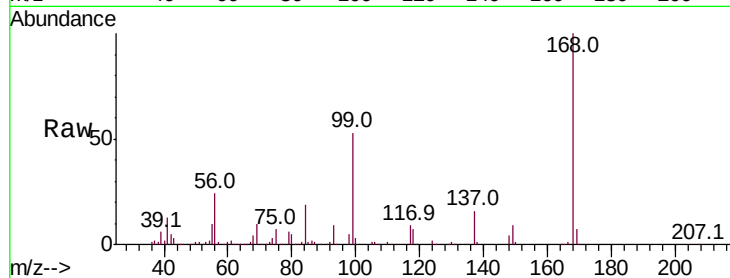
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 300953

Ion Ratio Lower Upper

168 100

99 53.2 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

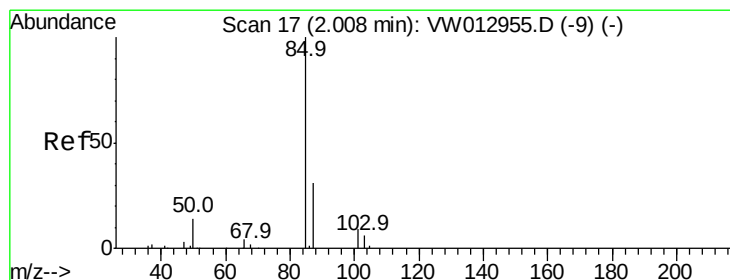
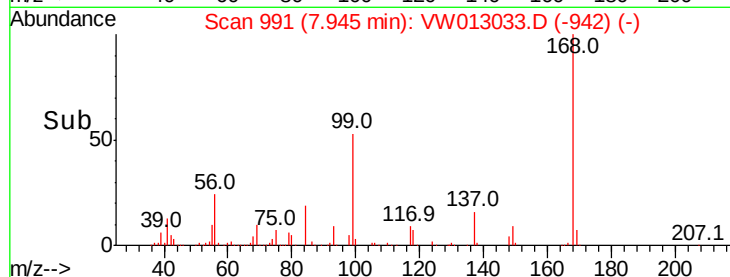
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 20.830 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013033.D

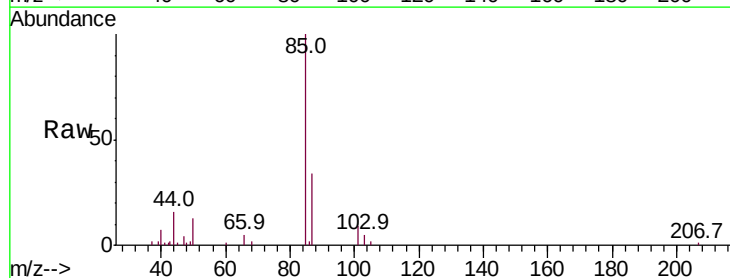
Acq: 16 Sep 2019 11:40

Tgt Ion: 85 Resp: 27004

Ion Ratio Lower Upper

85 100

87 34.0 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

12000

10000

8000

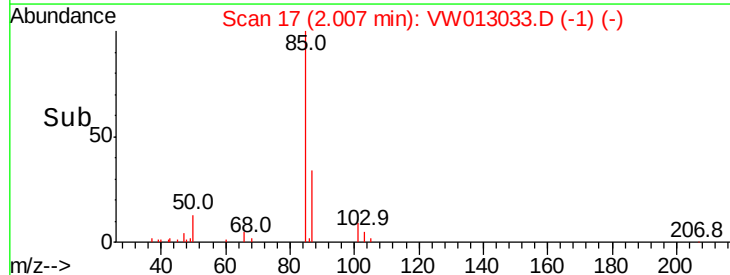
6000

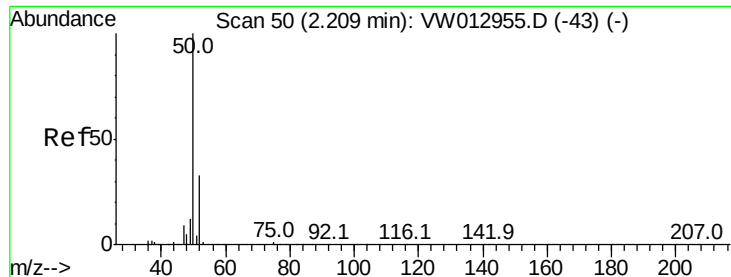
4000

2000

0

Time--> 1.90 1.95 2.00 2.05 2.10





#3

Chloromethane

Concen: 23.187 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

Instrument :

MSVOA_W

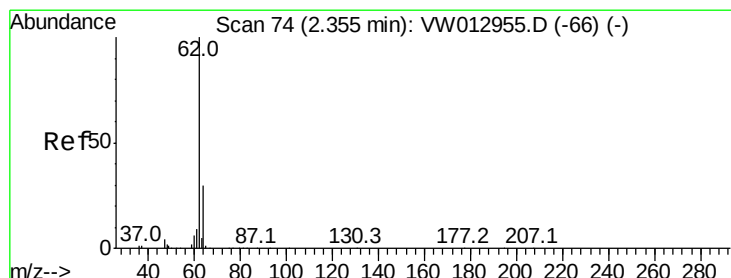
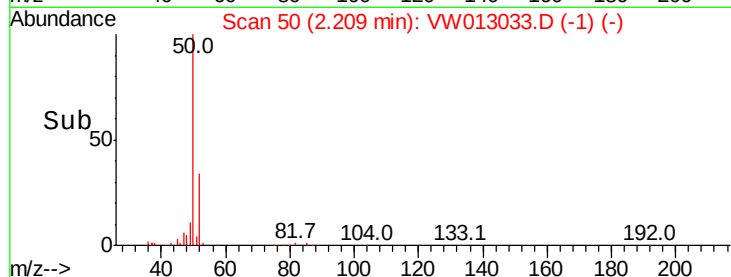
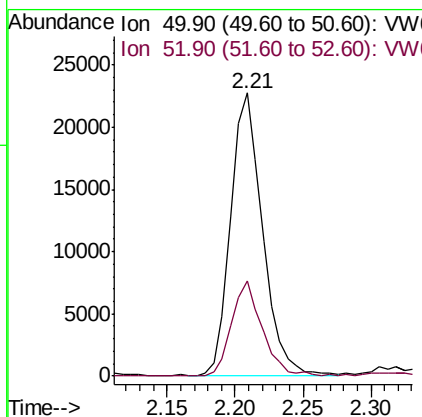
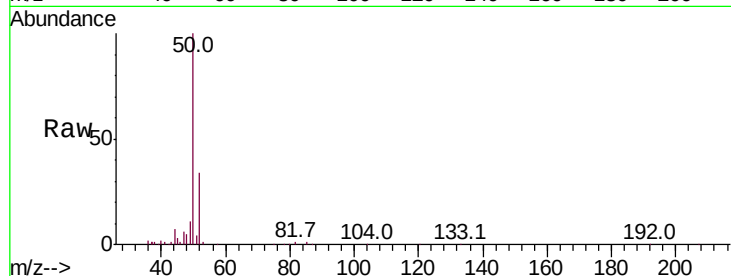
ClientSampled :

Tot Ion: 50 Resp: 37349

Ion Ratio Lower Upper

50 100

52 33.8 26.6 39.8



#4

Vinyl Chloride

Concen: 21.930 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW013033.D

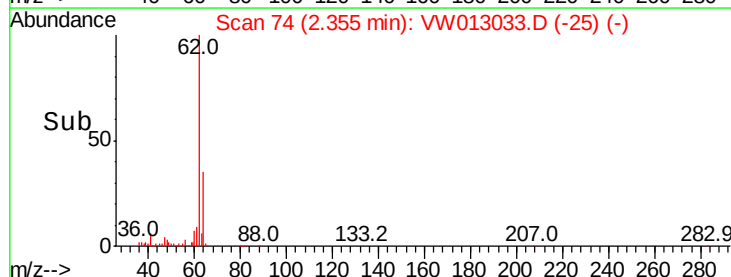
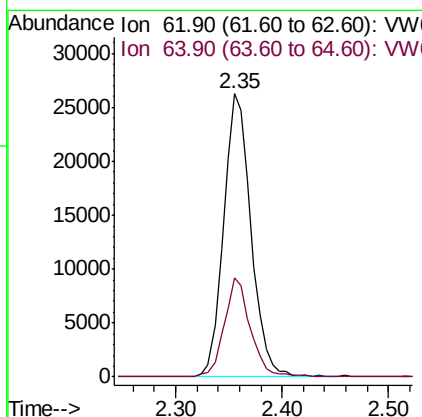
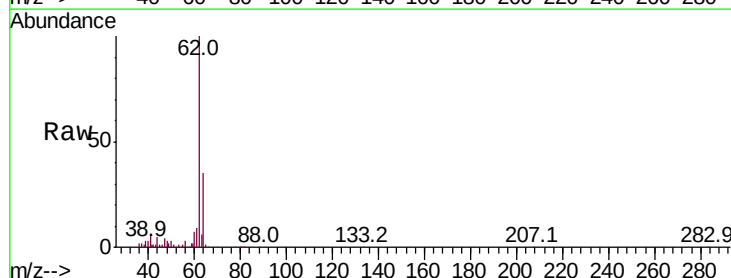
Acq: 16 Sep 2019 11:40

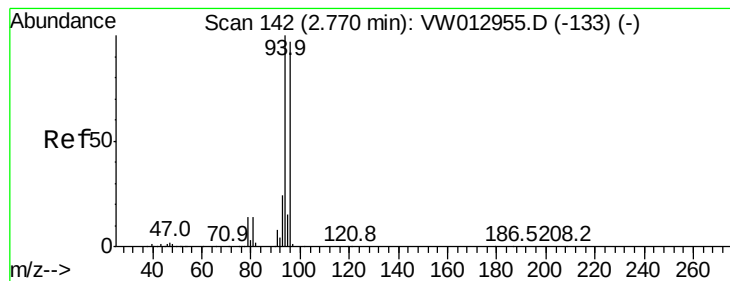
Tgt Ion: 62 Resp: 47239

Ion Ratio Lower Upper

62 100

64 35.1 24.2 36.4





#5

Bromomethane

Concen: 20.658 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

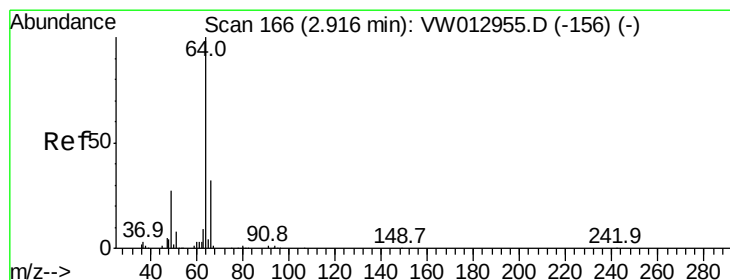
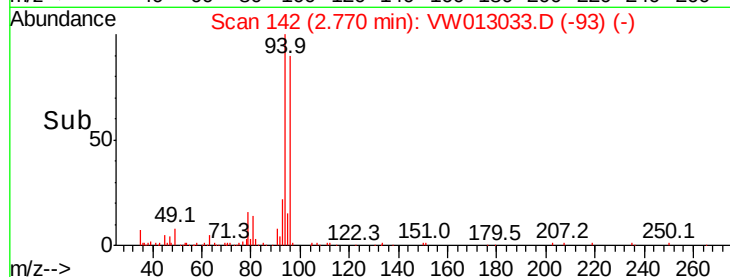
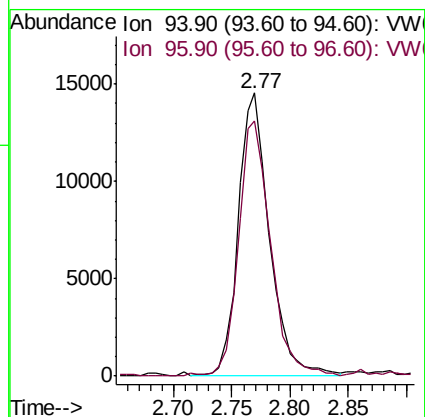
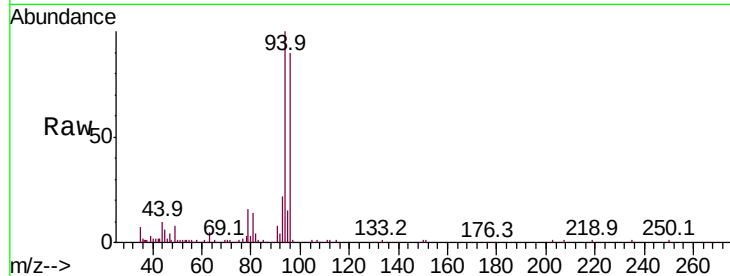
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 94 Resp: 27176

Ion Ratio Lower Upper

94 100

96 90.3 77.8 116.6



#6

Chloroethane

Concen: 19.904 ug/l

RT: 2.90 min Scan# 163

Delta R.T. -0.02 min

Lab File: VW013033.D

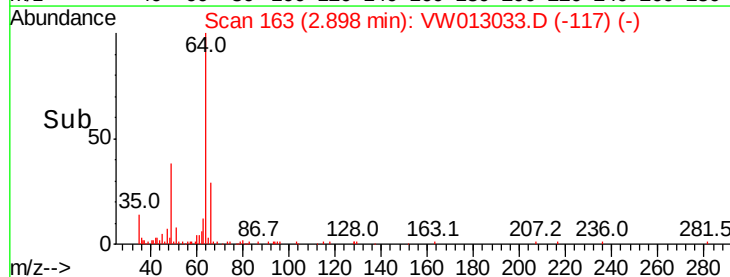
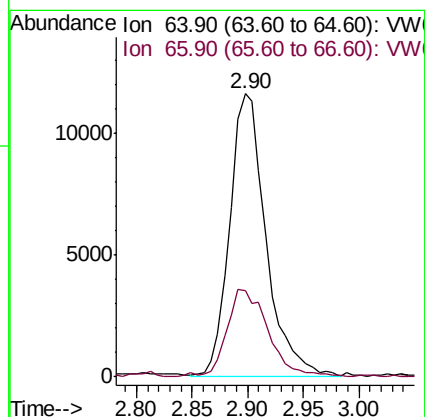
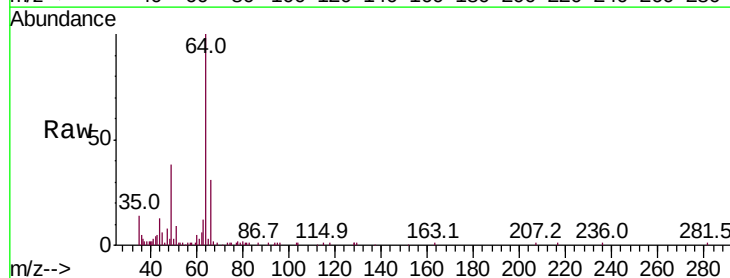
Acq: 16 Sep 2019 11:40

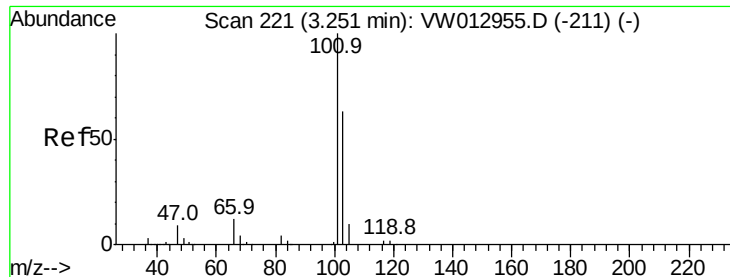
Tgt Ion: 64 Resp: 26297

Ion Ratio Lower Upper

64 100

66 29.8 25.9 38.9



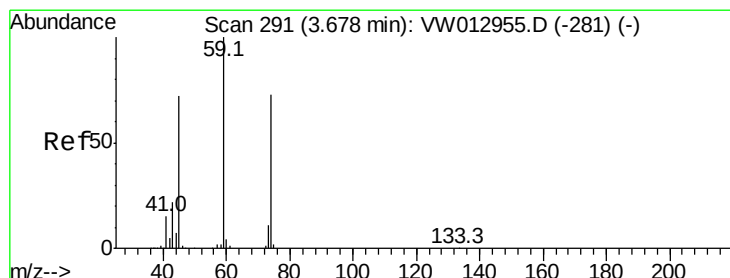
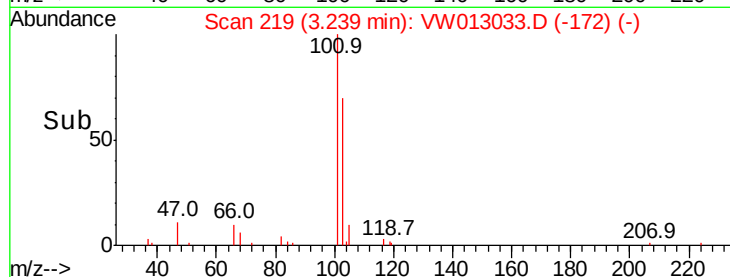
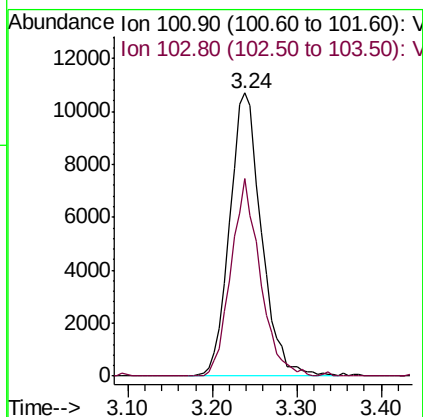
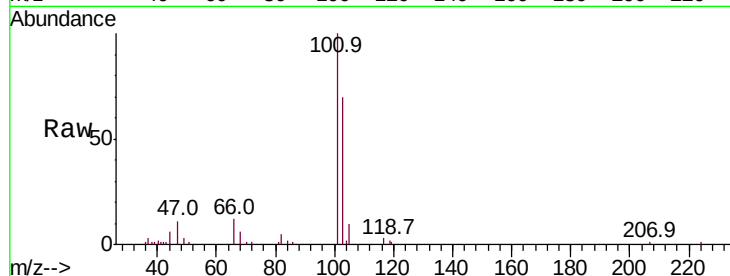


#7

Trichlorofluoromethane
 Concen: 18.133 ug/l
 RT: 3.24 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VW013033.D
 Acq: 16 Sep 2019 11:40

Instrument :
 MSVOA_W
 ClientSampled :

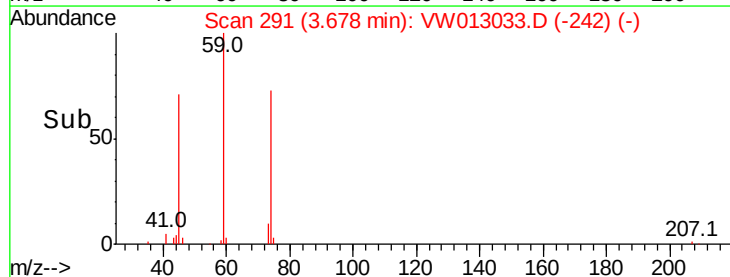
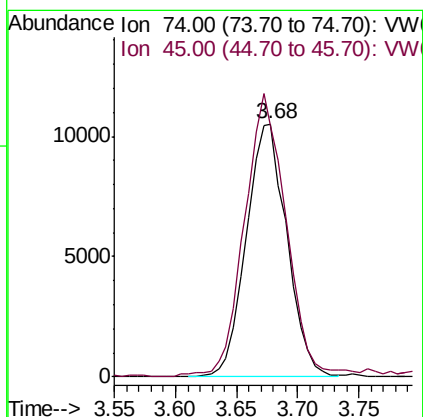
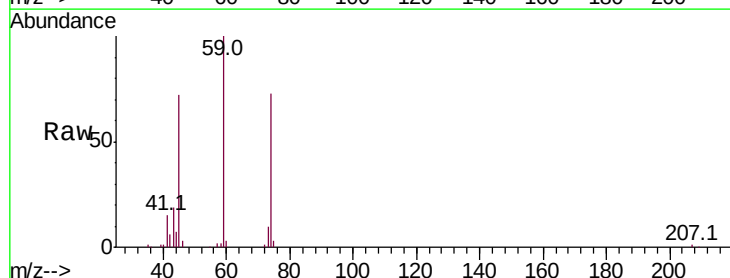
Tot Ion:101 Resp: 27315
 Ion Ratio Lower Upper
 101 100
 103 70.0 50.7 76.1

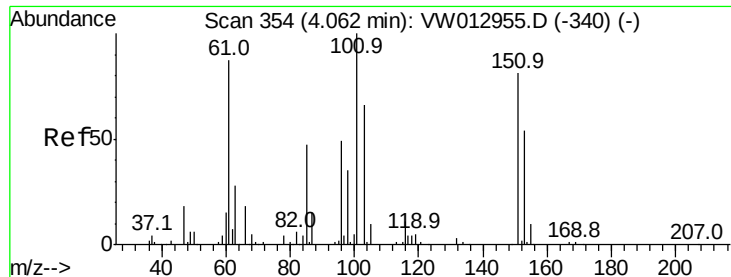


#8

Diethyl Ether
 Concen: 20.630 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW013033.D
 Acq: 16 Sep 2019 11:40

Tgt Ion: 74 Resp: 24265
 Ion Ratio Lower Upper
 74 100
 45 115.7 53.8 161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.161 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

Instrument :

MSVOA_W

ClientSampleId :

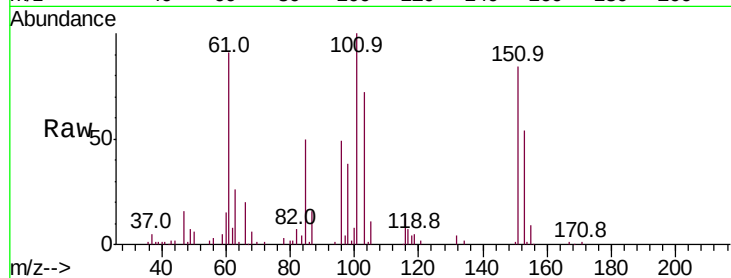
Tot Ion:101 Resp: 43776

Ion Ratio Lower Upper

101 100

85 45.5 34.9 52.3

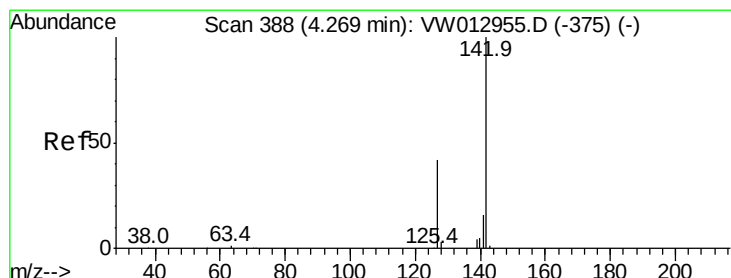
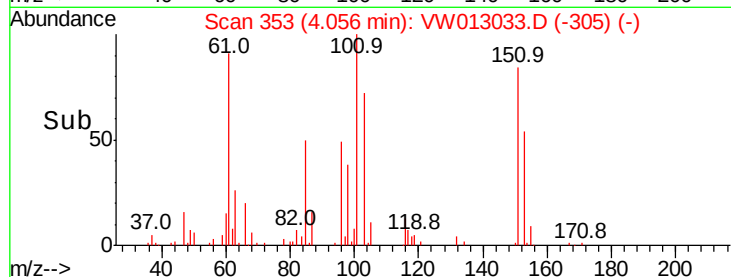
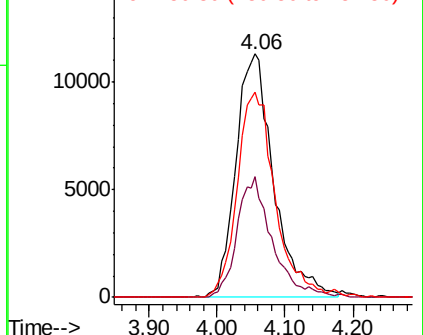
151 83.7 66.0 99.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.908 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

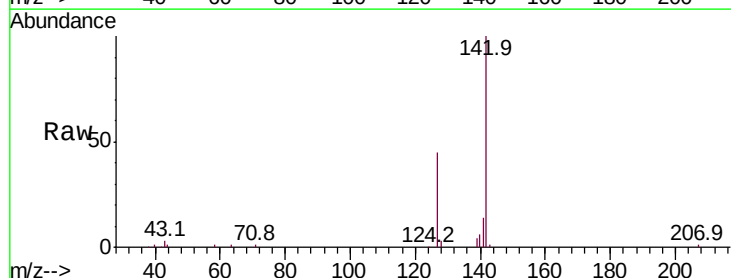
Tgt Ion:142 Resp: 59780

Ion Ratio Lower Upper

142 100

127 41.8 34.7 52.1

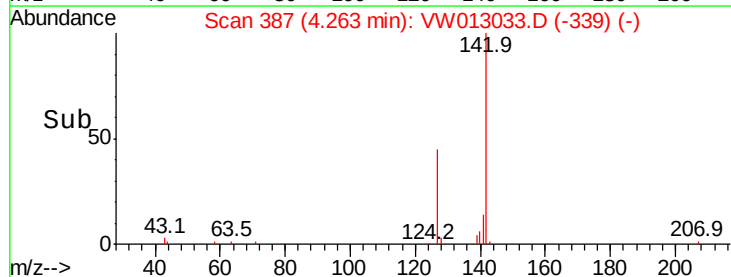
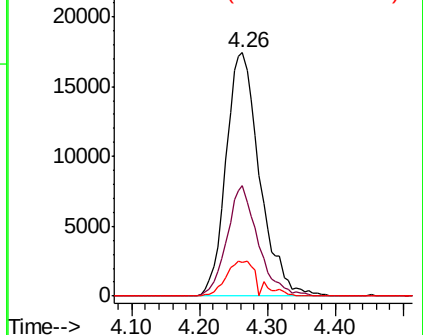
141 13.8 12.2 18.2

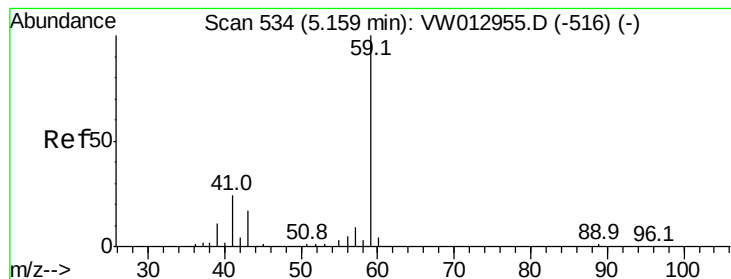


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



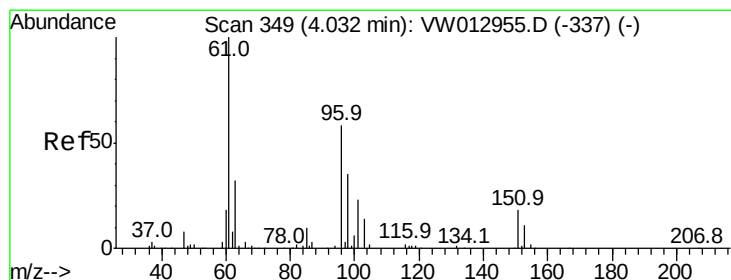
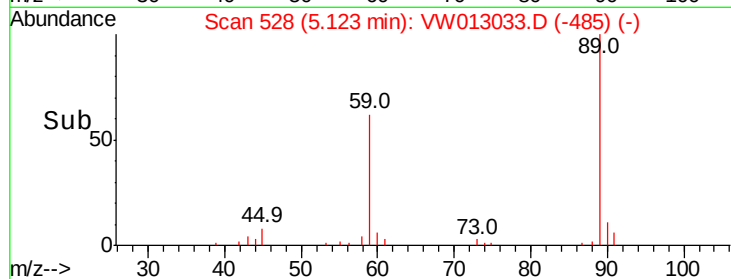
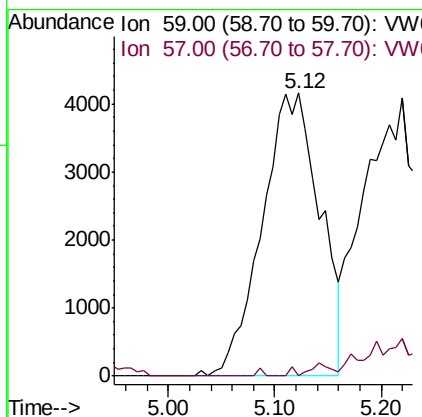
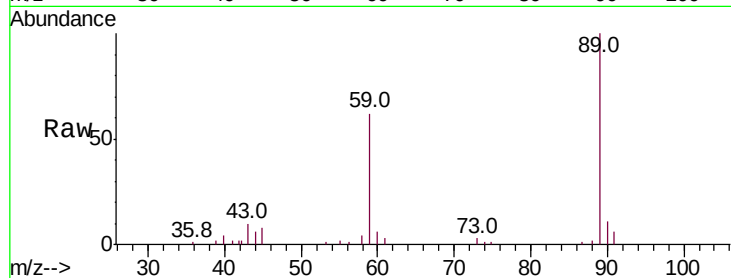


#11

Tert butyl alcohol
 Concen: 68.166 ug/l
 RT: 5.12 min Scan# 528
 Delta R.T. -0.04 min
 Lab File: VW013033.D
 Acq: 16 Sep 2019 11:40

Instrument :
 MSVOA_W
 ClientSampled :

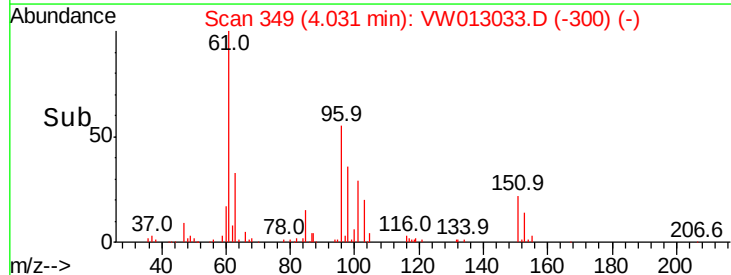
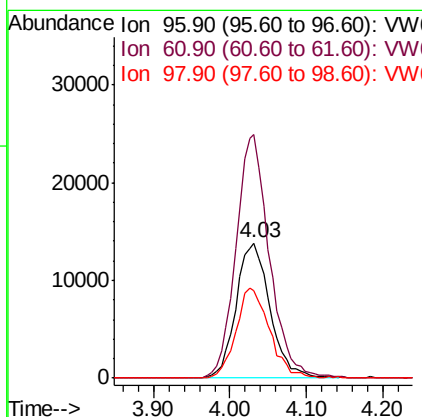
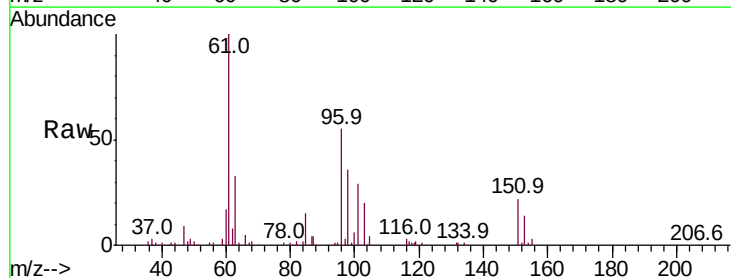
Tot Ion: 59 Resp: 15713
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

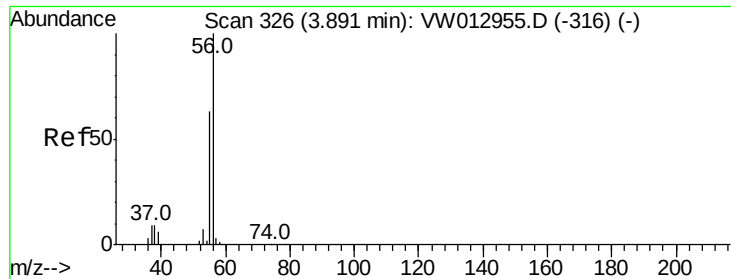


#12

1,1-Dichloroethene
 Concen: 20.509 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.00 min
 Lab File: VW013033.D
 Acq: 16 Sep 2019 11:40

Tgt Ion: 96 Resp: 42605
 Ion Ratio Lower Upper
 96 100
 61 180.4 137.9 206.9
 98 64.9 48.9 73.3

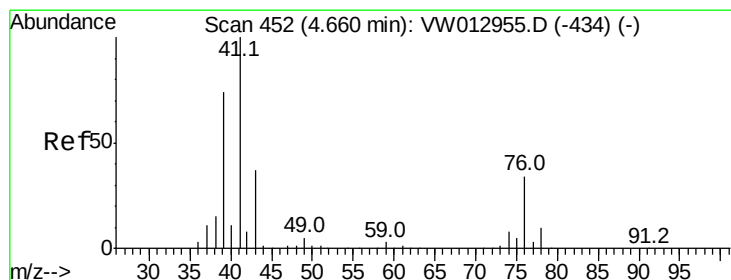
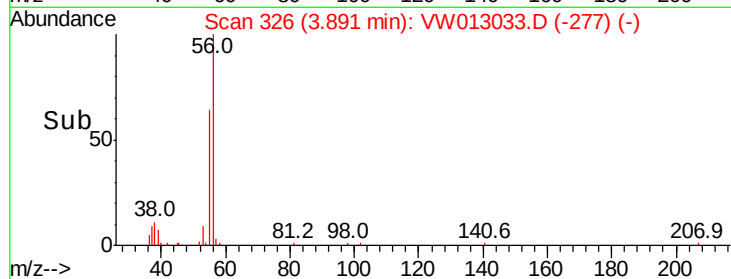
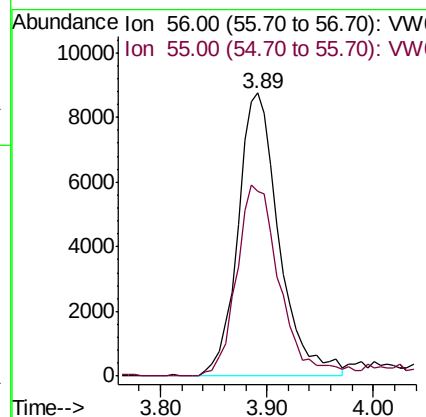
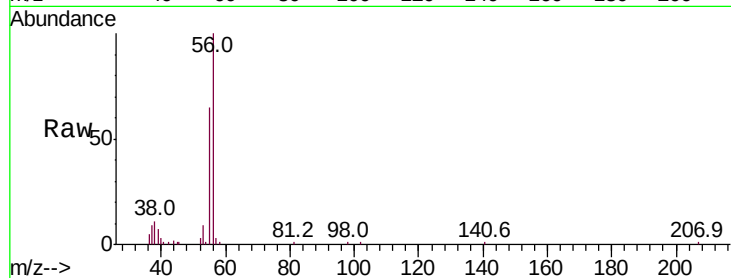




#13
Acrolein
Concen: 111.799 ug/l
RT: 3.89 min Scan# 326
Delta R.T. 0.00 min
Lab File: VW013033.D
Acq: 16 Sep 2019 11:40

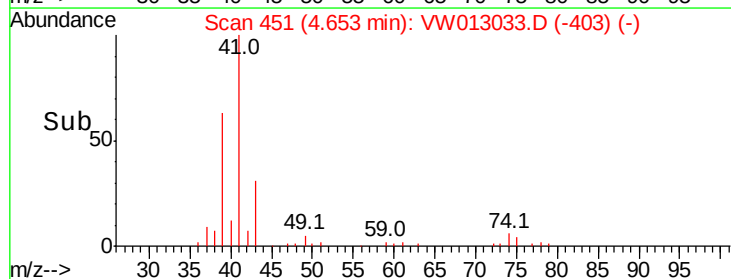
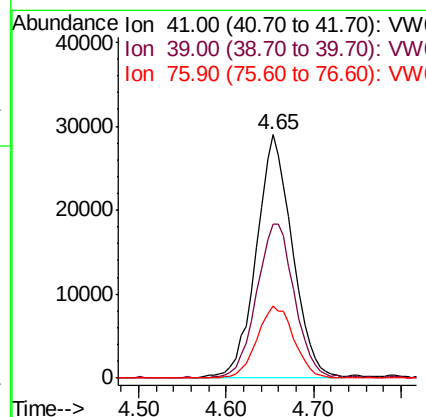
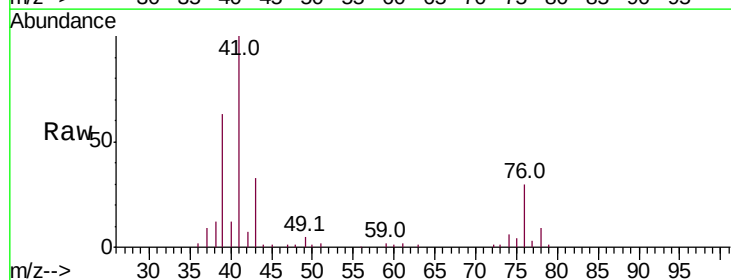
Instrument :
MSVOA_W
ClientSampleId :

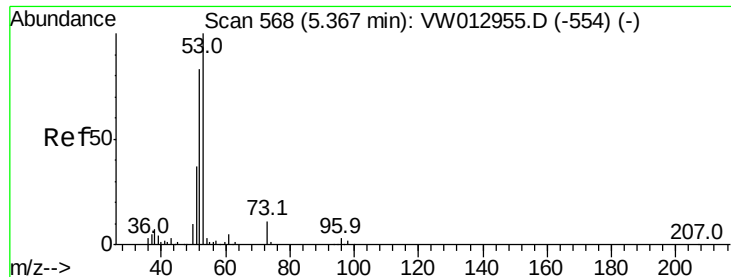
Tot Ion: 56 Resp: 23702
Ion Ratio Lower Upper
56 100
55 70.9 55.8 83.8



#14
Allyl chloride
Concen: 21.098 ug/l
RT: 4.65 min Scan# 451
Delta R.T. -0.01 min
Lab File: VW013033.D
Acq: 16 Sep 2019 11:40

Tgt Ion: 41 Resp: 83203
Ion Ratio Lower Upper
41 100
39 66.5 56.7 85.1
76 30.3 25.1 37.7





#15

Acrylonitrile

Concen: 109.974 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

Instrument :

MSVOA_W

ClientSampled :

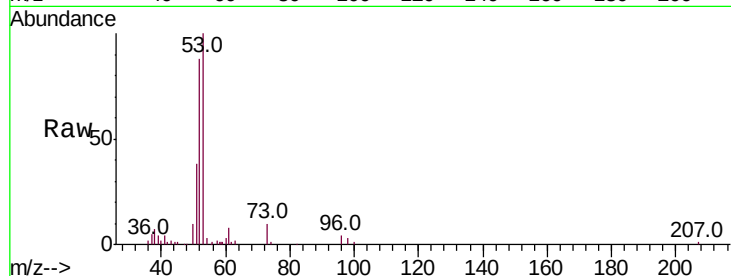
Tot Ion: 53 Resp: 66067

Ion Ratio Lower Upper

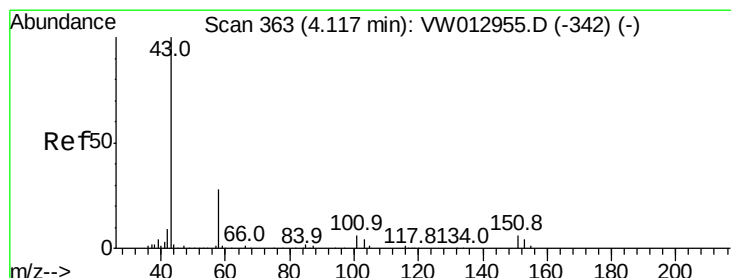
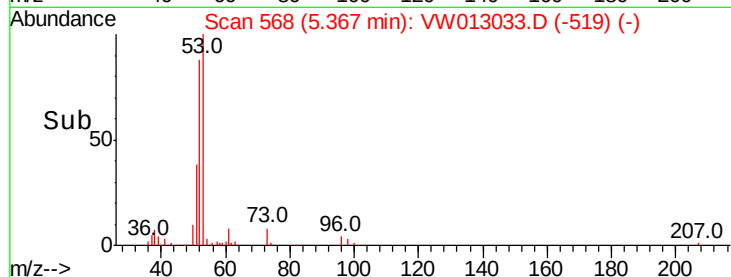
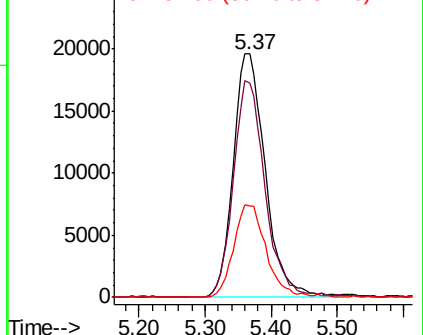
53 100

52 87.5 66.6 100.0

51 38.3 29.8 44.8



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 104.869 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW013033.D

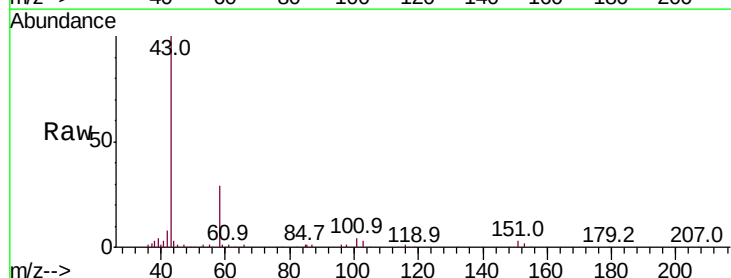
Acq: 16 Sep 2019 11:40

Tgt Ion: 43 Resp: 70093

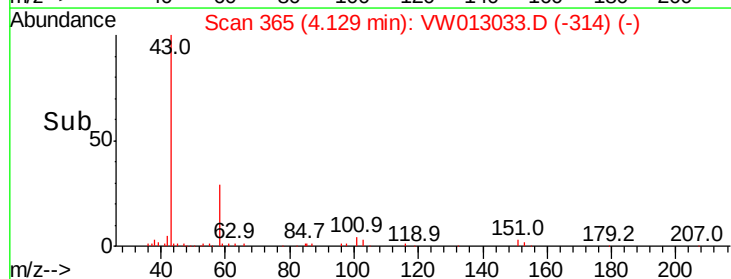
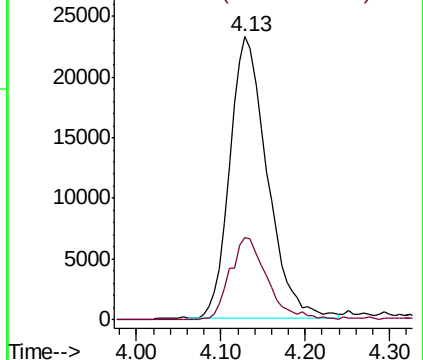
Ion Ratio Lower Upper

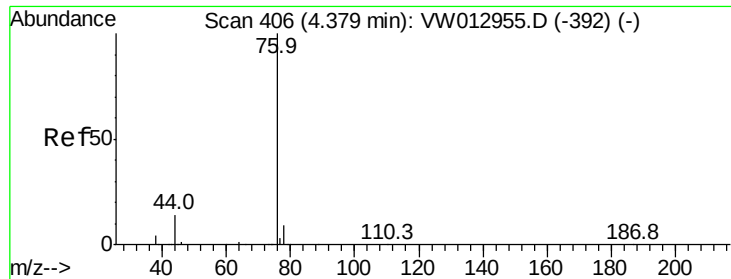
43 100

58 29.1 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 20.768 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

Instrument :

MSVOA_W

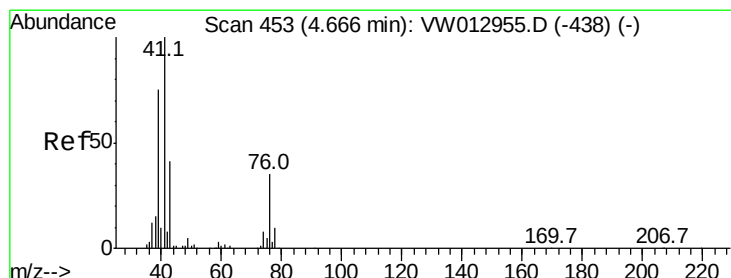
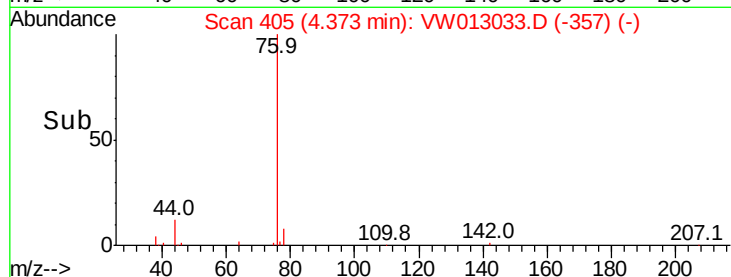
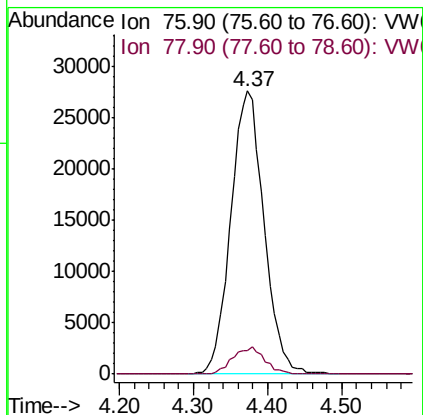
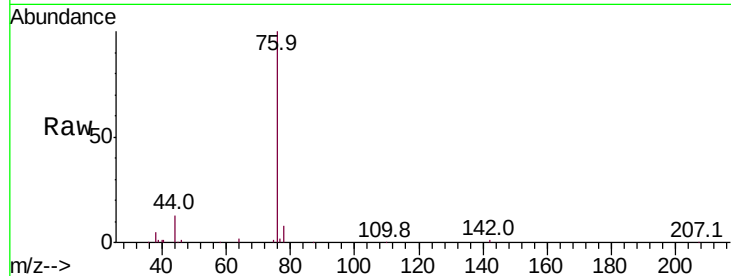
ClientSampled :

Tot Ion: 76 Resp: 85974

Ion Ratio Lower Upper

76 100

78 8.2 7.0 10.4



#18

Methyl Acetate

Concen: 23.686 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW013033.D

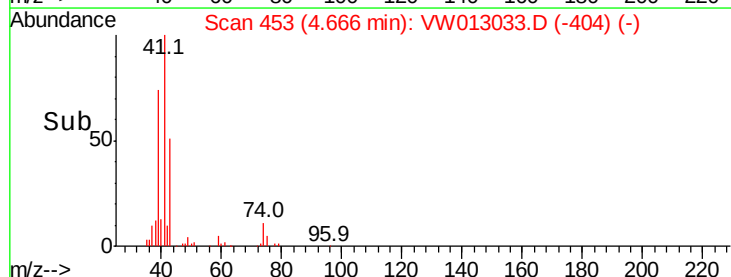
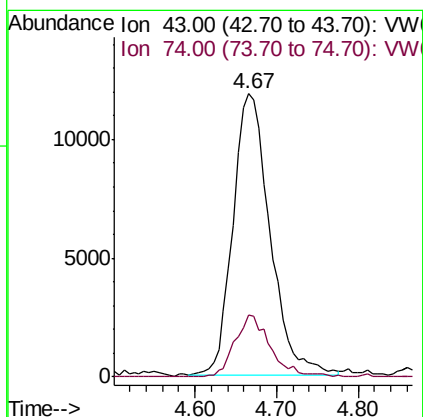
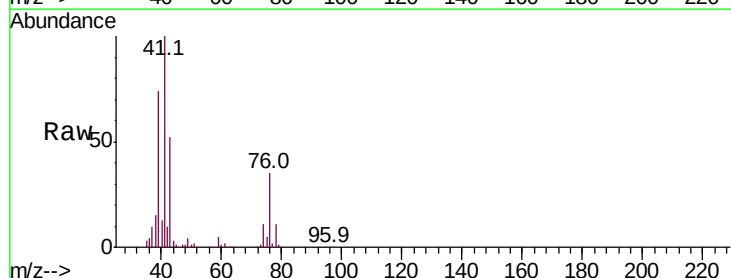
Acq: 16 Sep 2019 11:40

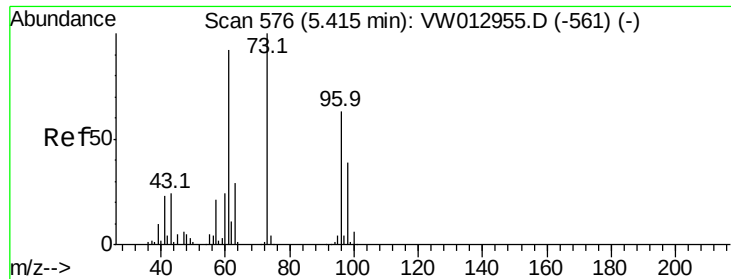
Tgt Ion: 43 Resp: 37508

Ion Ratio Lower Upper

43 100

74 21.1 17.8 26.8

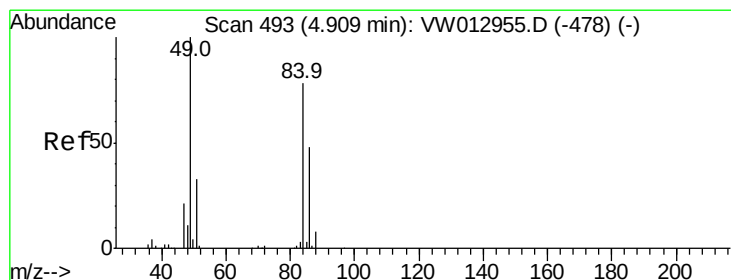
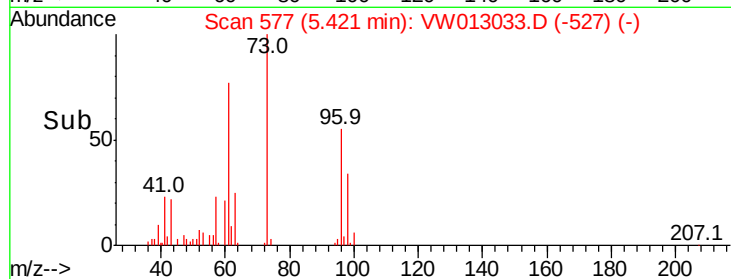
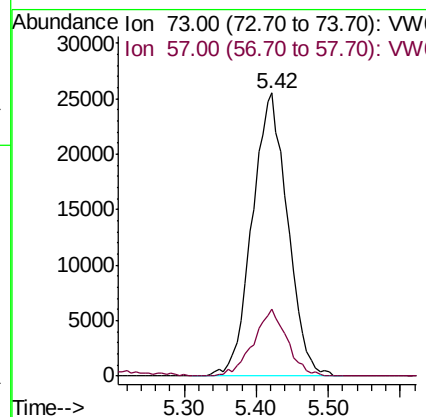
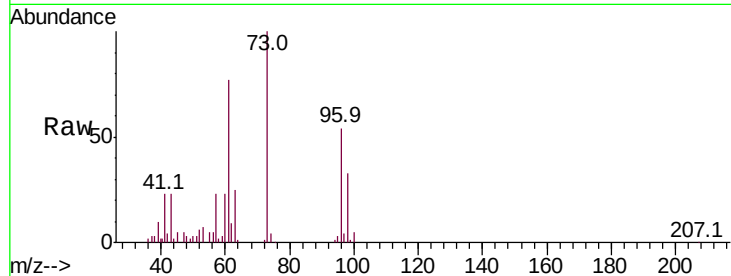




#19
Methyl tert-butyl Ether
Concen: 21.169 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW013033.D
Acq: 16 Sep 2019 11:40

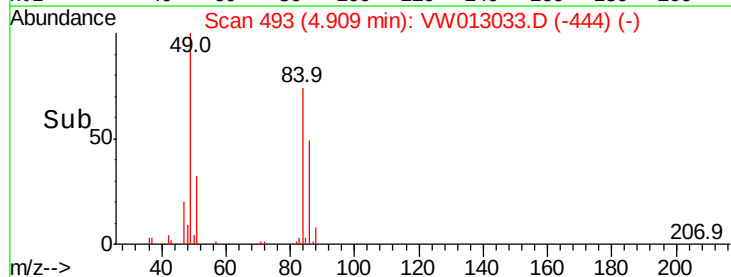
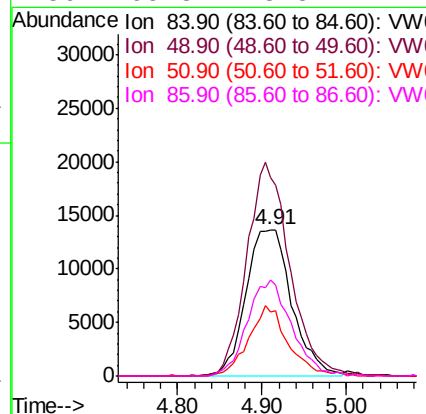
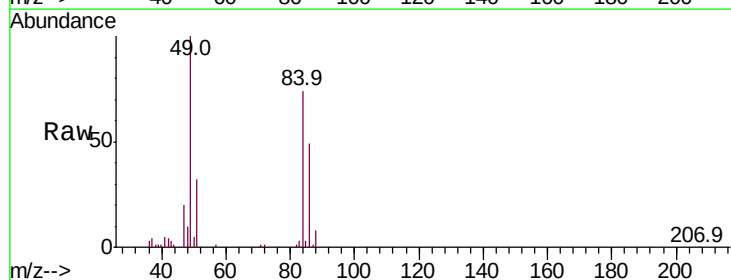
Instrument :
MSVOA_W
ClientSampled :

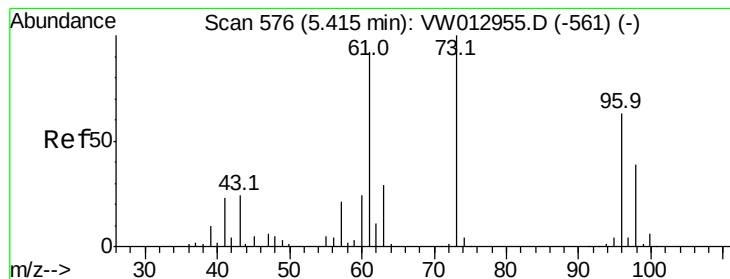
Tot Ion: 73 Resp: 86804
Ion Ratio Lower Upper
73 100
57 23.5 16.4 24.6



#20
Methylene Chloride
Concen: 19.417 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW013033.D
Acq: 16 Sep 2019 11:40

Tgt Ion: 84 Resp: 50725
Ion Ratio Lower Upper
84 100
49 134.5 102.0 153.0
51 43.5 34.0 51.0
86 65.8 48.5 72.7





#21

trans-1,2-Dichloroethene

Concen: 20.530 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

Instrument :

MSVOA_W

ClientSampled :

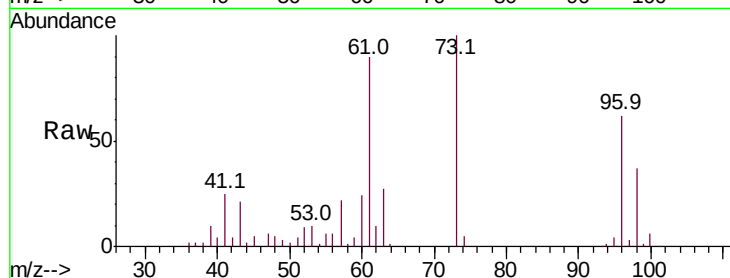
Tot Ion: 96 Resp: 45678

Ion Ratio Lower Upper

96 100

61 145.2 116.2 174.2

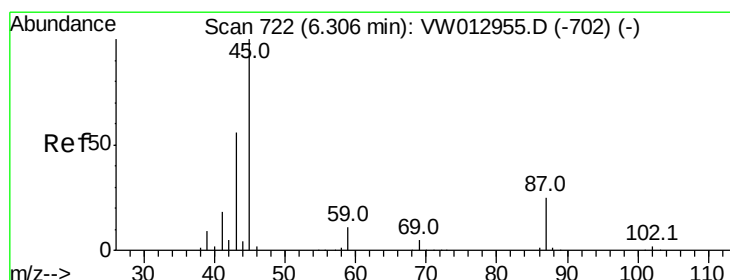
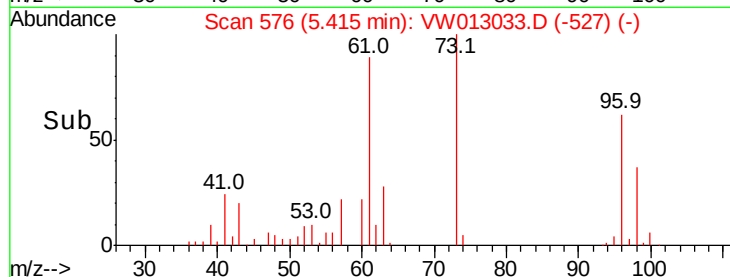
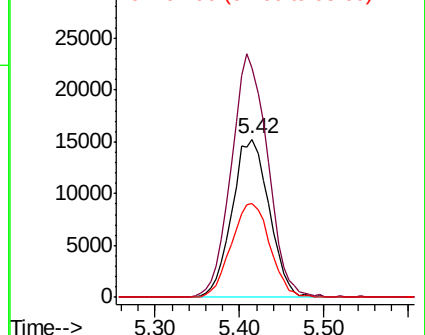
98 59.7 49.8 74.6



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: 20.613 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

Tgt Ion: 45 Resp: 168878

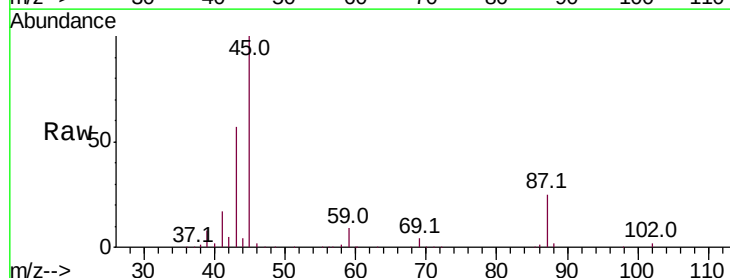
Ion Ratio Lower Upper

45 100

43 56.1 44.6 67.0

87 24.5 20.0 30.0

59 8.8 8.7 13.1

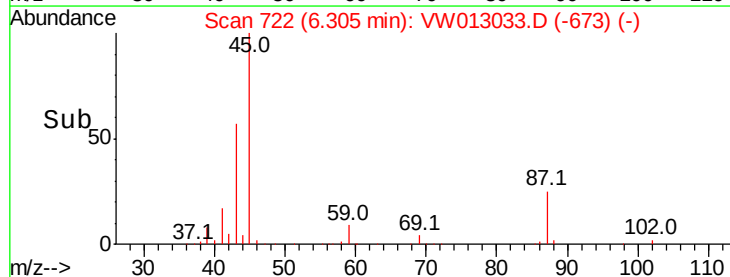
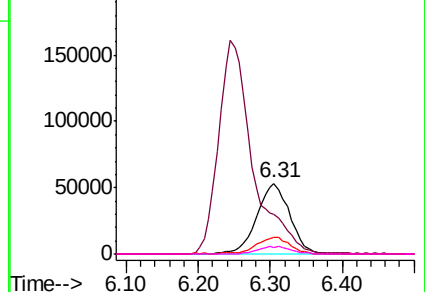


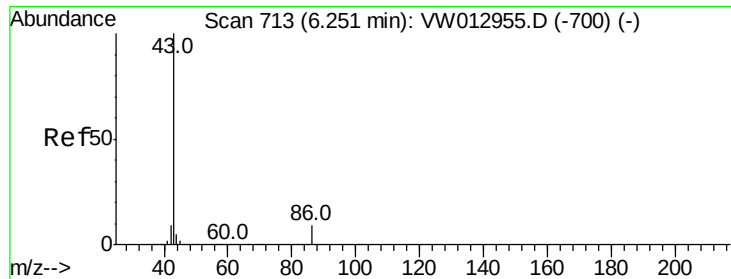
Abundance Ion 45.00 (44.70 to 45.70): VW

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: 108.440 ug/l

RT: 6.24 min Scan# 712

Delta R.T. -0.01 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

Instrument :

MSVOA_W

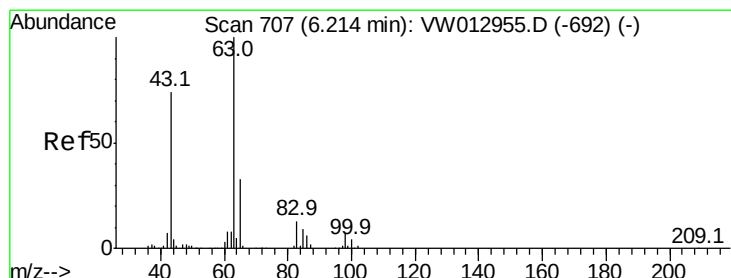
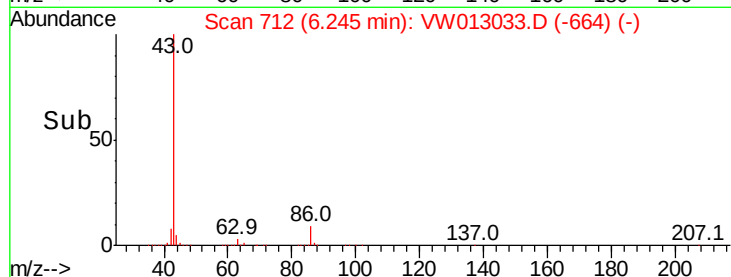
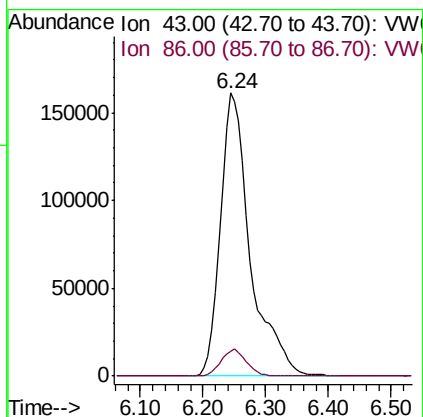
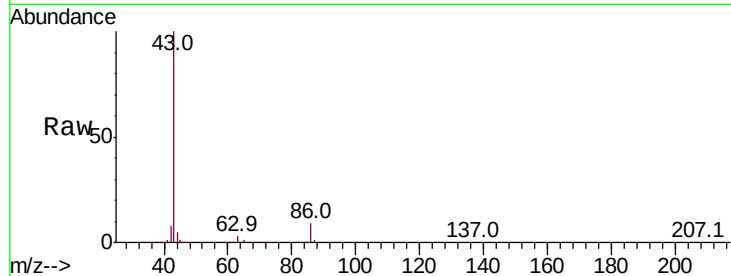
ClientSampleId :

Tot Ion: 43 Resp: 532114

Ion Ratio Lower Upper

43 100

86 8.5 7.0 10.6



#24

1,1-Dichloroethane

Concen: 19.881 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

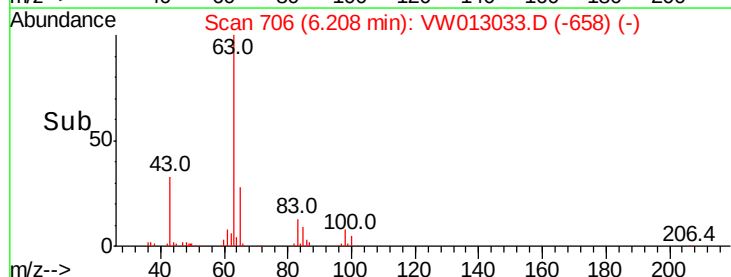
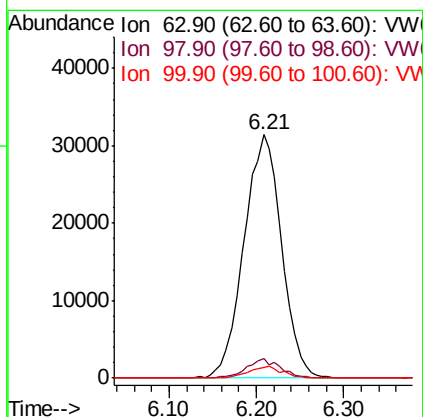
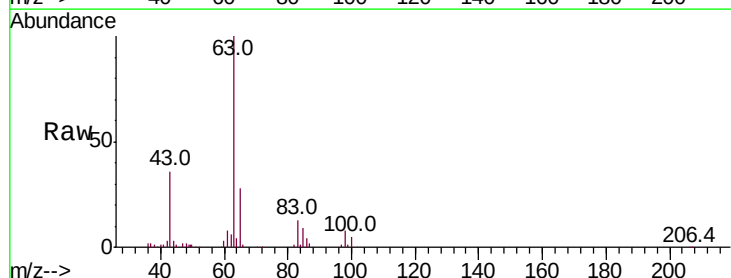
Tgt Ion: 63 Resp: 93914

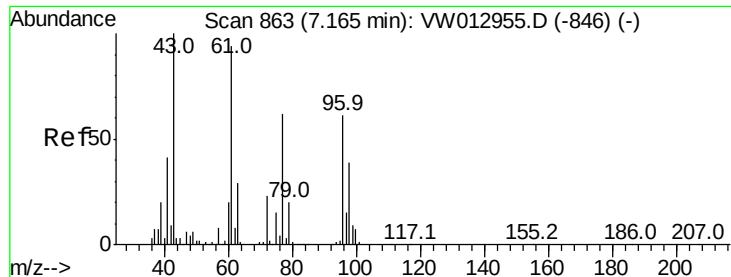
Ion Ratio Lower Upper

63 100

98 8.3 3.3 9.9

100 4.5 1.8 5.5





#25

2-Butanone

Concen: 114.502 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

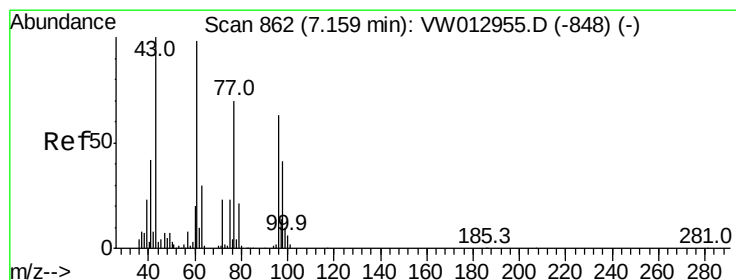
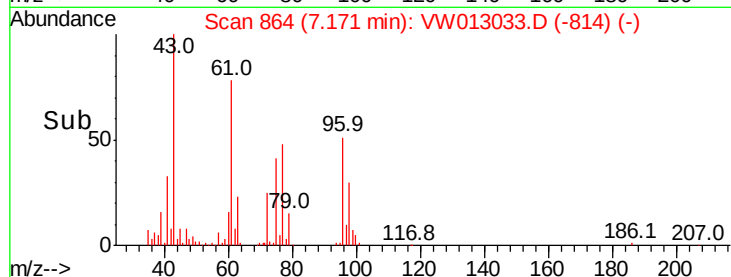
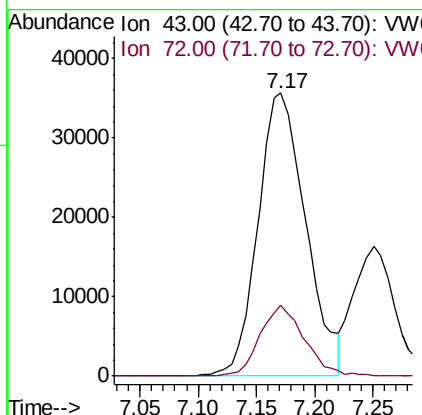
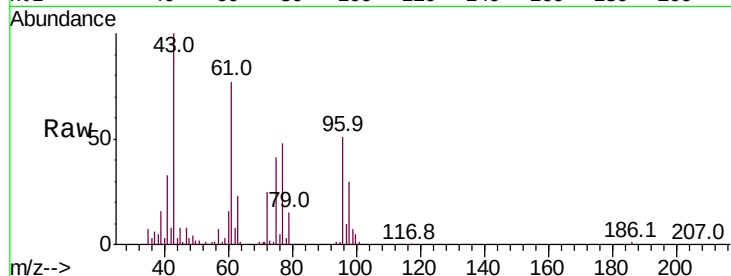
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 101199

Ion Ratio Lower Upper

43 100

72 25.0 18.2 27.4



#26

2,2-Dichloropropane

Concen: 18.119 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.00 min

Lab File: VW013033.D

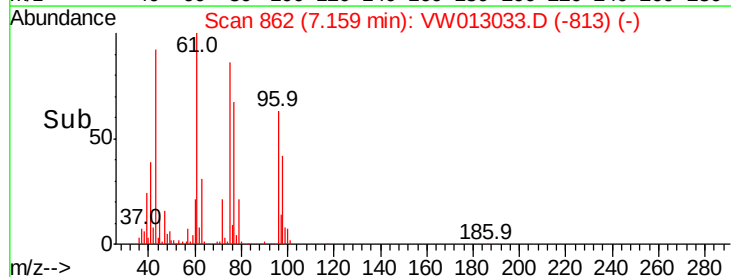
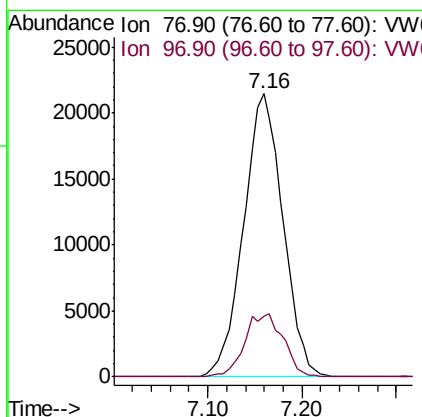
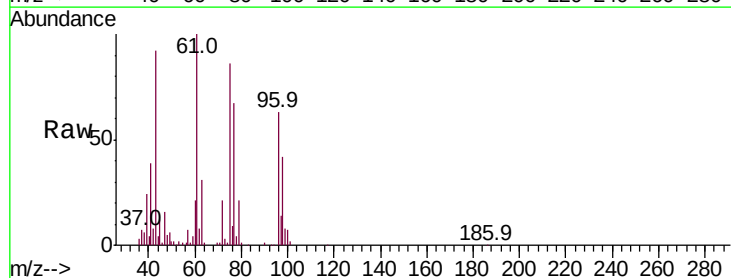
Acq: 16 Sep 2019 11:40

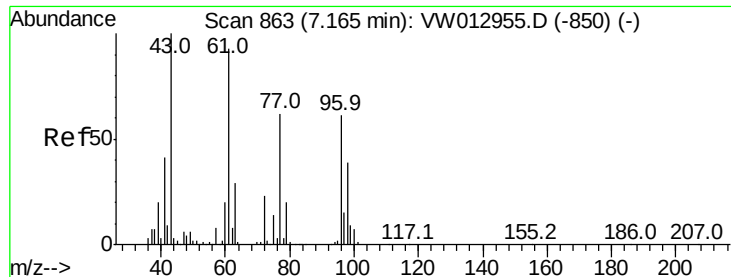
Tgt Ion: 77 Resp: 62606

Ion Ratio Lower Upper

77 100

97 21.9 10.7 32.1



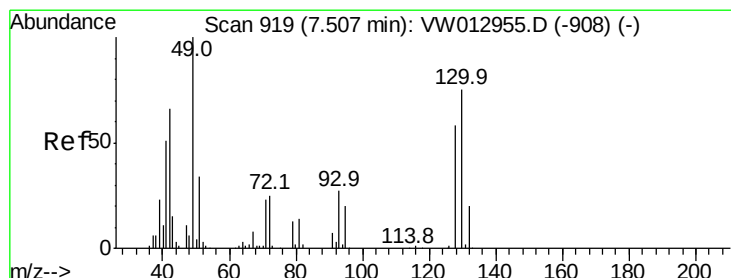
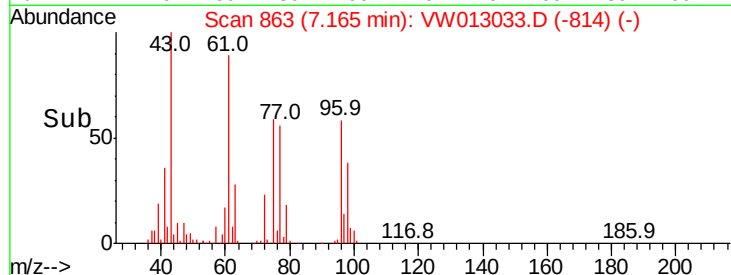
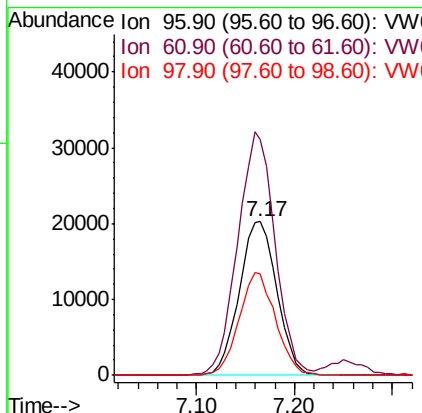
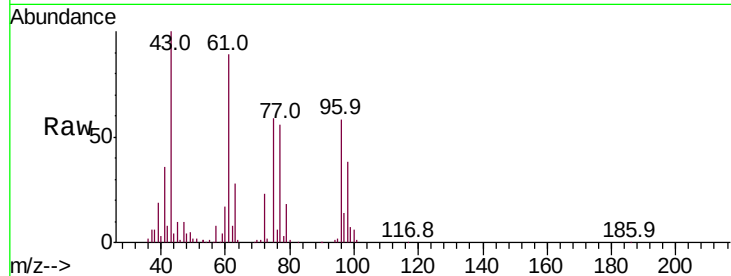


#27

cis-1,2-Dichloroethene
Concen: 20.295 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW013033.D
Acq: 16 Sep 2019 11:40

Instrument :
MSVOA_W
ClientSampleId :

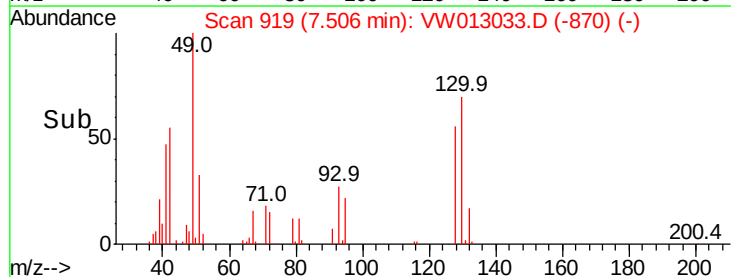
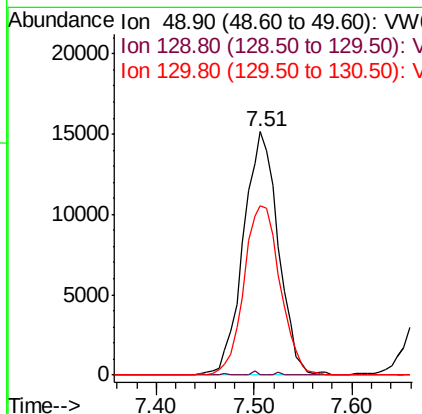
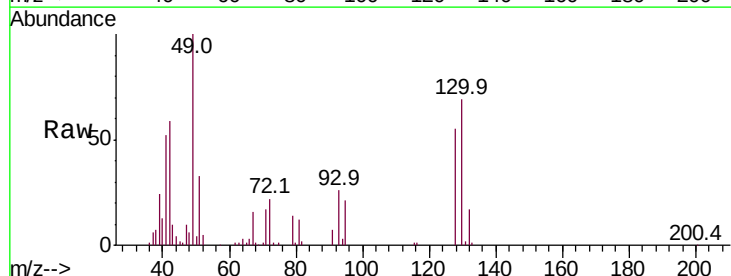
Tot Ion: 96 Resp: 54060
Ion Ratio Lower Upper
96 100
61 156.7 0.0 315.4
98 64.6 0.0 131.0

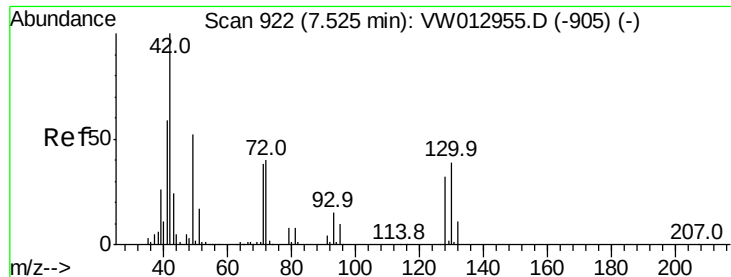


#28

Bromochloromethane
Concen: 18.861 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW013033.D
Acq: 16 Sep 2019 11:40

Tgt Ion: 49 Resp: 37500
Ion Ratio Lower Upper
49 100
129 0.3 0.0 1.4
130 72.1 57.8 86.6

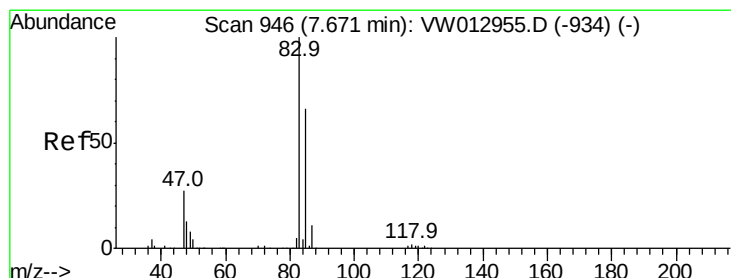
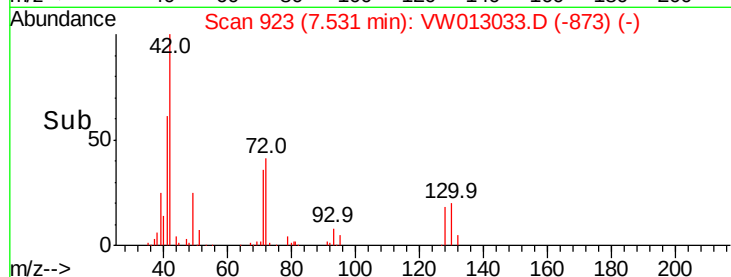
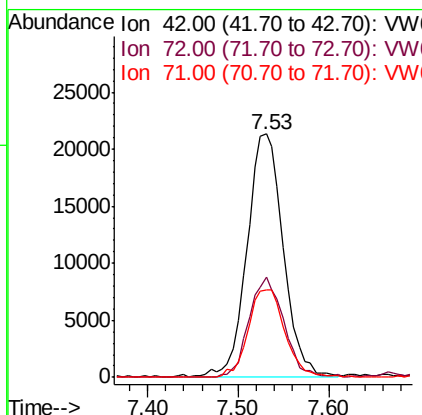
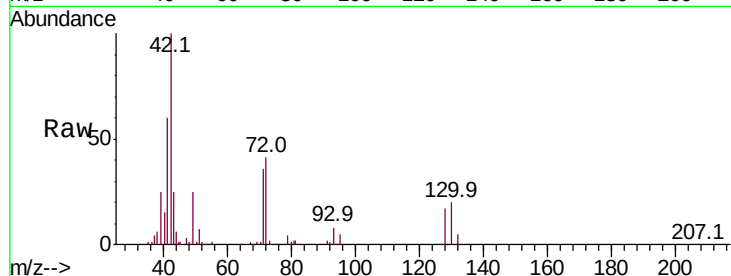




#29
Tetrahydrofuran
Concen: 116.054 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013033.D
Acq: 16 Sep 2019 11:40

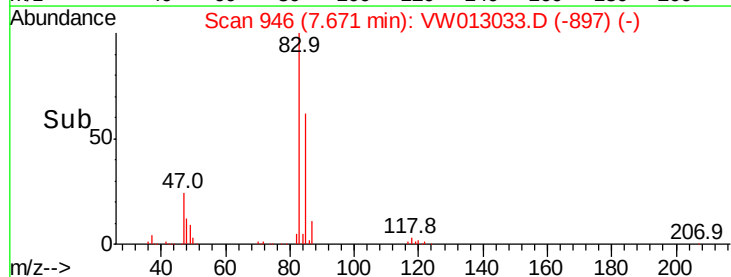
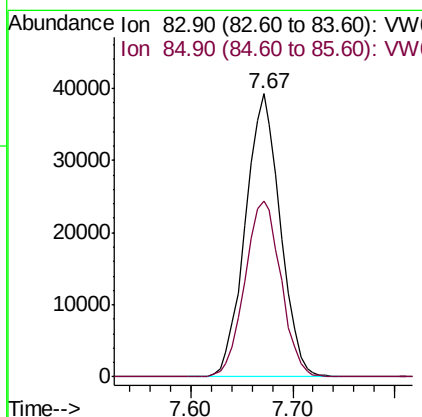
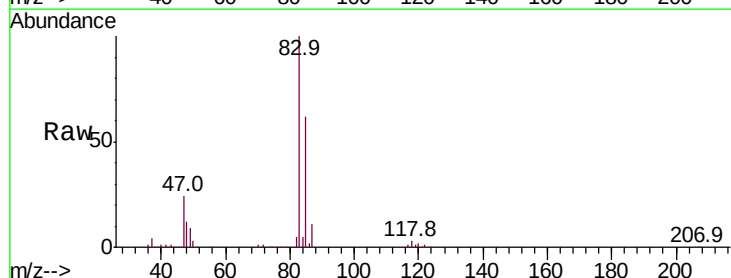
Instrument :
MSVOA_W
ClientSampled :

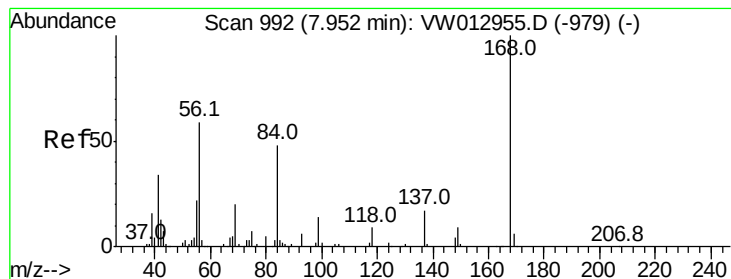
Tot Ion: 42 Resp: 58443
Ion Ratio Lower Upper
42 100
72 39.9 31.4 47.0
71 37.0 29.8 44.8



#30
Chloroform
Concen: 19.466 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013033.D
Acq: 16 Sep 2019 11:40

Tgt Ion: 83 Resp: 93432
Ion Ratio Lower Upper
83 100
85 62.3 52.8 79.2





#31

Cyclohexane

Concen: 21.362 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

Instrument :
MSVOA_W
ClientSampled :

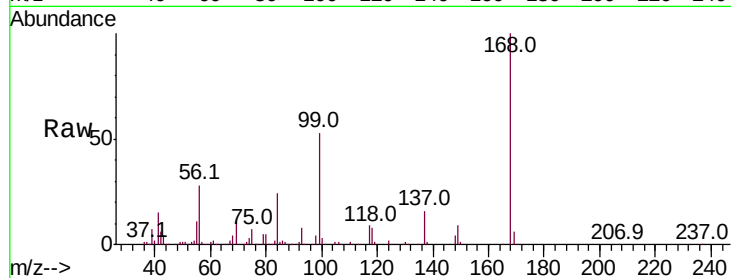
Tot Ion: 56 Resp: 84383

Ion Ratio Lower Upper

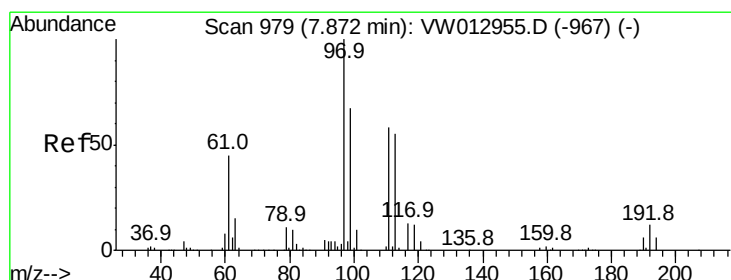
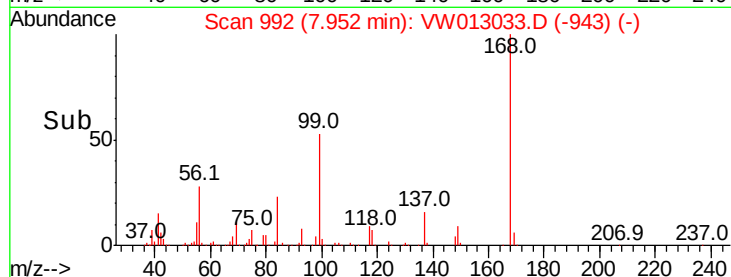
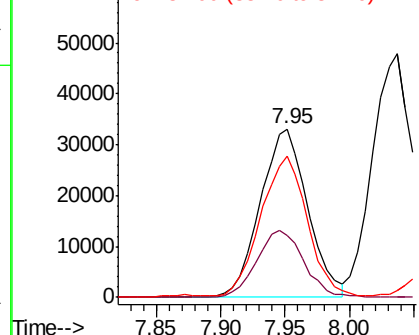
56 100

69 37.0 27.0 40.6

84 82.6 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: 18.892 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

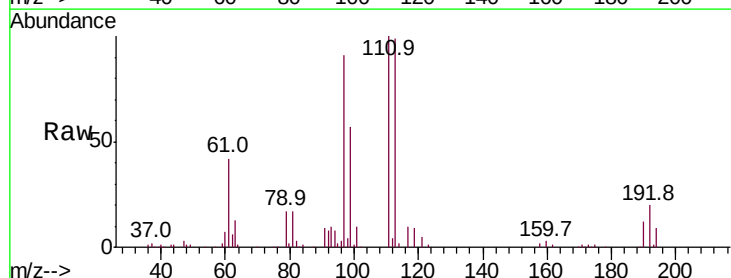
Tgt Ion: 97 Resp: 74673

Ion Ratio Lower Upper

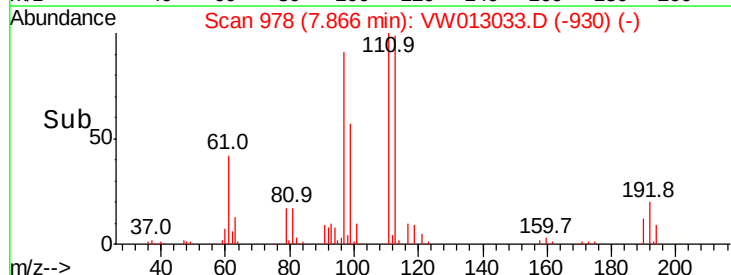
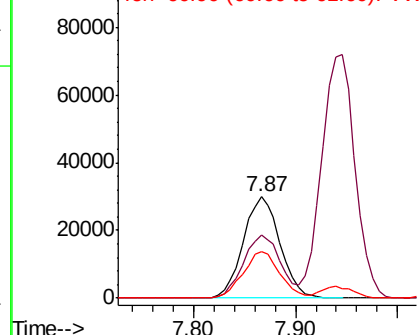
97 100

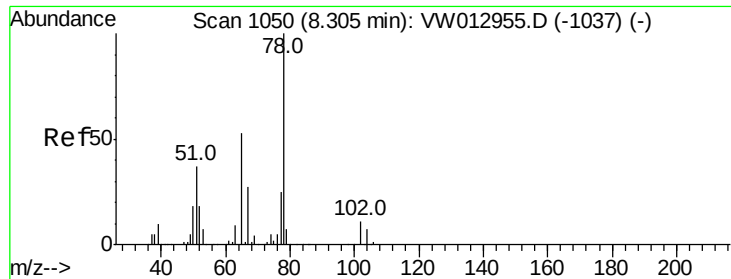
99 64.2 53.0 79.4

61 45.5 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

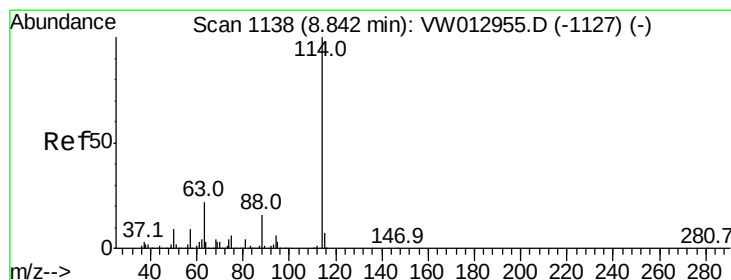
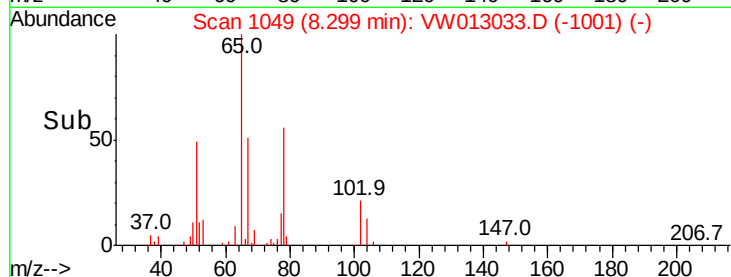
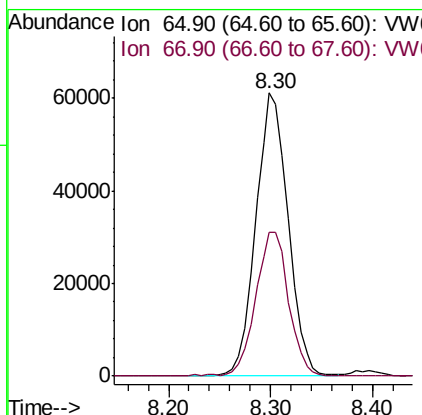
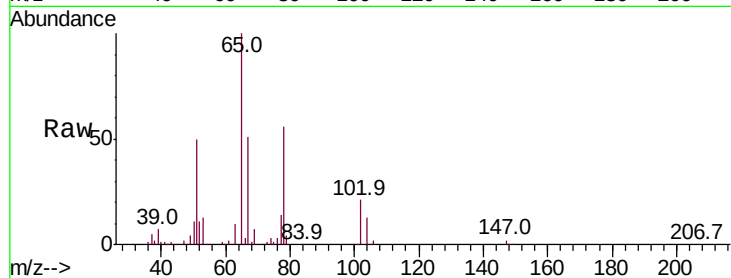




#33
 1,2-Dichloroethane-d4
 Concen: 48.268 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW013033.D
 Acq: 16 Sep 2019 11:40

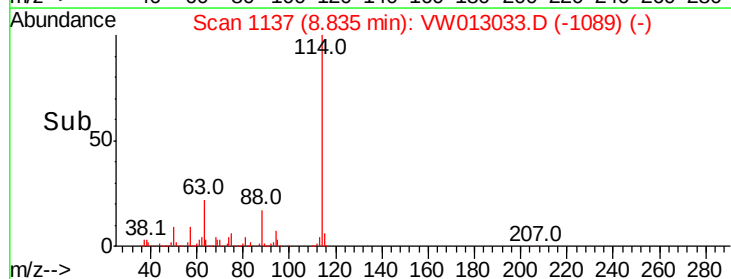
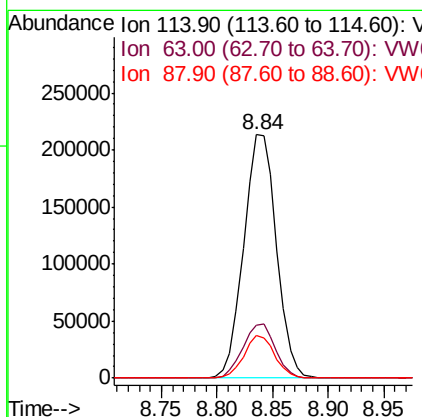
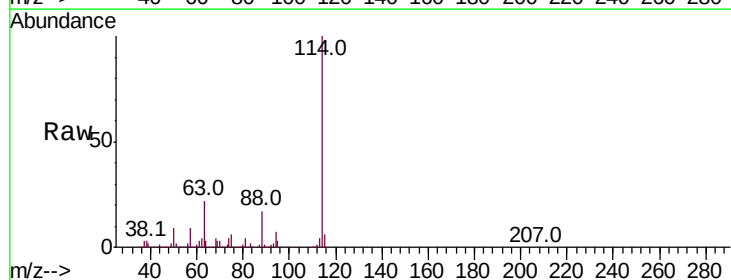
Instrument :
 MSVOA_W
 ClientSampleId :

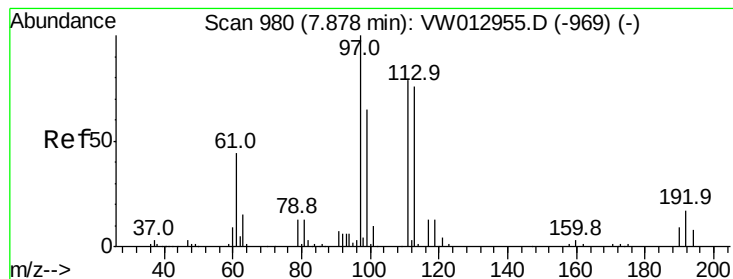
Tot Ion: 65 Resp: 134161
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW013033.D
 Acq: 16 Sep 2019 11:40

Tgt Ion: 114 Resp: 436093
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 43.4
 88 17.5 0.0 31.6





#35

Dibromofluoromethane

Concen: 48.207 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

Instrument :

MSVOA_W

ClientSampleId :

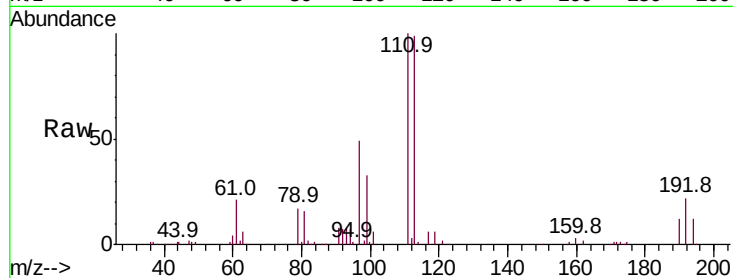
Tot Ion:113 Resp: 114072

Ion Ratio Lower Upper

113 100

111 102.0 82.8 124.2

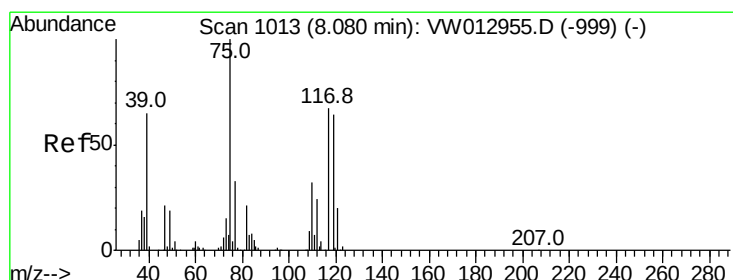
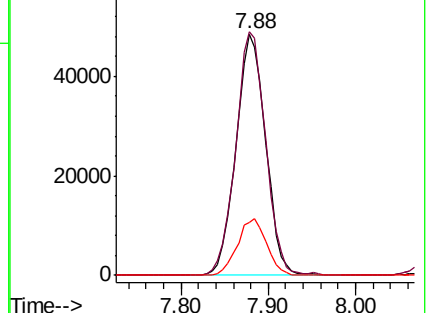
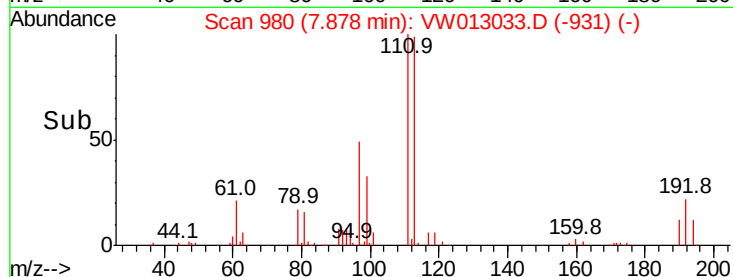
192 23.2 17.8 26.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.042 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

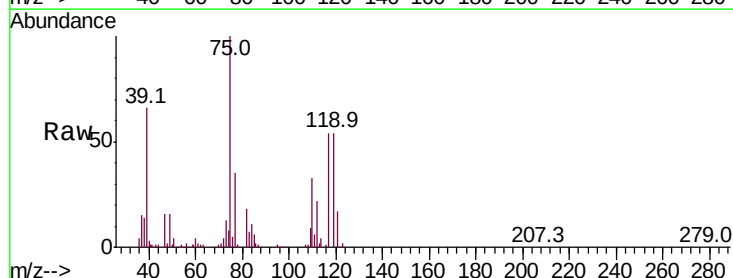
Tgt Ion: 75 Resp: 69842

Ion Ratio Lower Upper

75 100

110 34.7 16.4 49.1

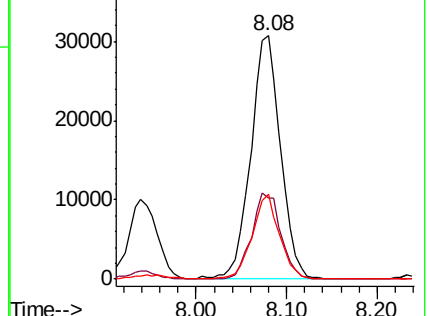
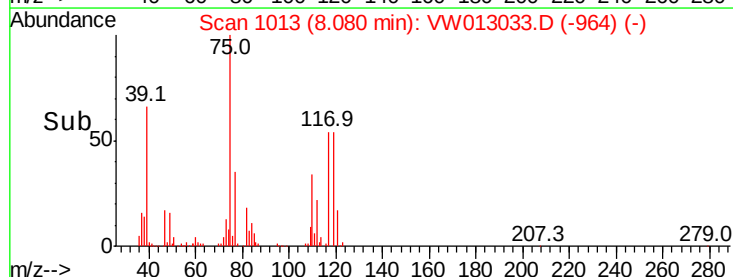
77 31.7 25.1 37.7

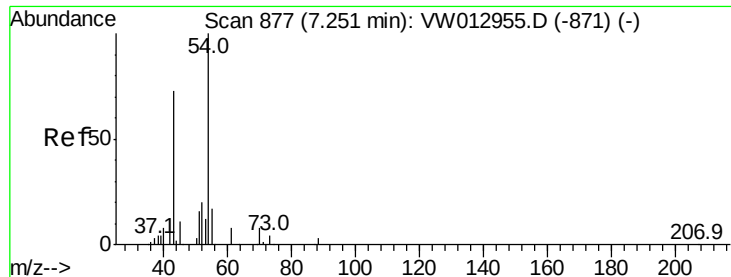


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

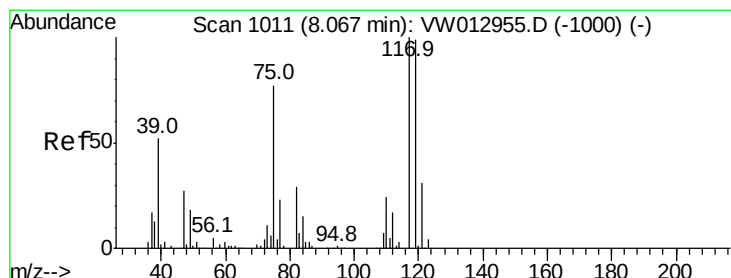
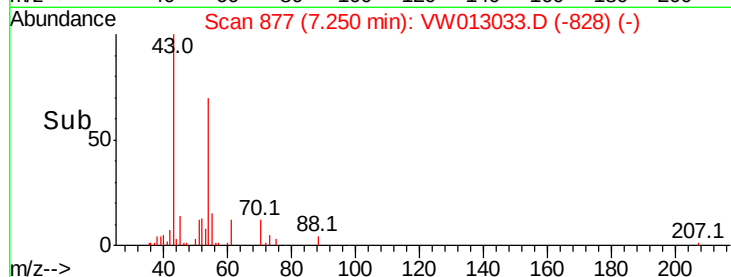
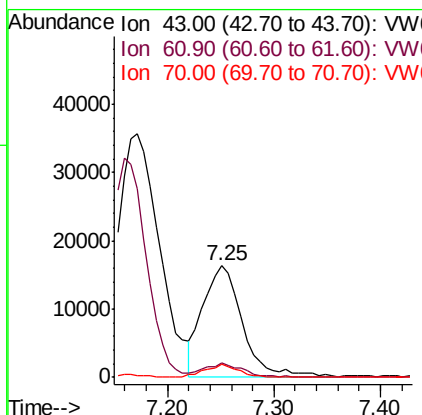
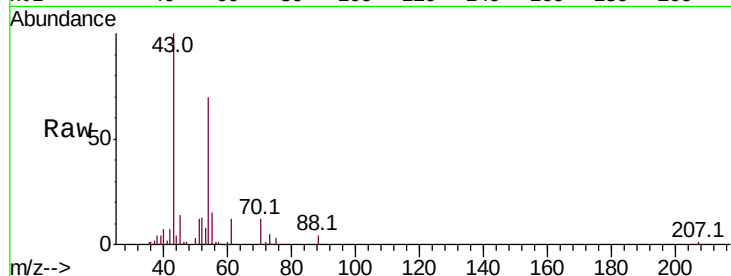




#37
Ethyl Acetate
Concen: 22.308 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013033.D
Acq: 16 Sep 2019 11:40

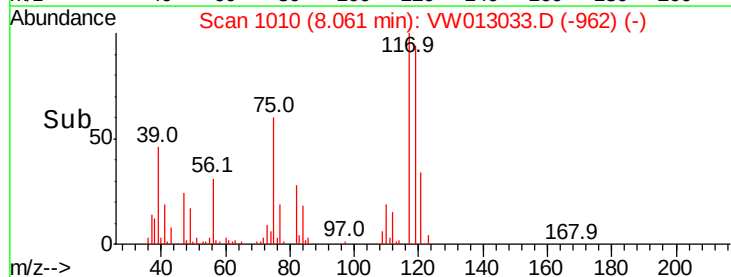
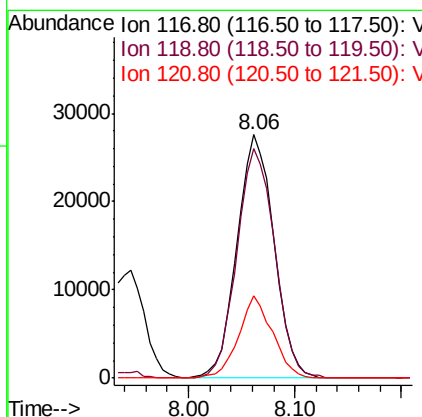
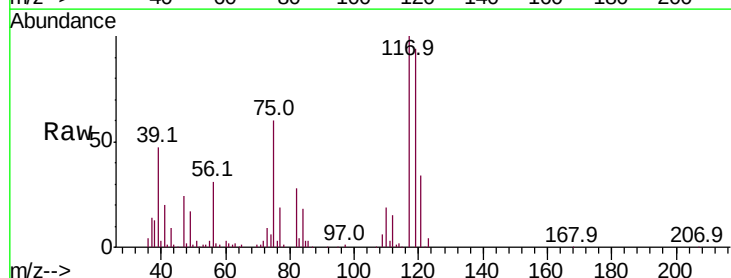
Instrument :
MSVOA_W
ClientSampled :

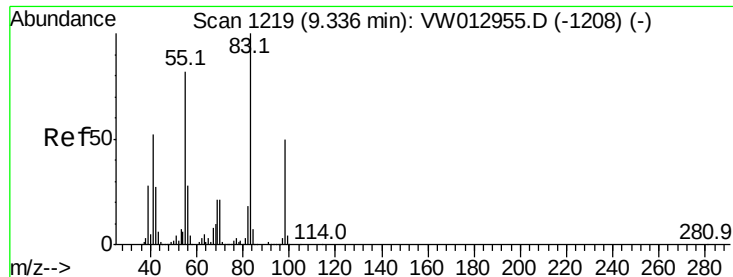
Tot Ion: 43 Resp: 41263
Ion Ratio Lower Upper
43 100
61 12.5 9.6 14.4
70 10.0 7.6 11.4



#38
Carbon Tetrachloride
Concen: 18.888 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW013033.D
Acq: 16 Sep 2019 11:40

Tgt Ion: 117 Resp: 67450
Ion Ratio Lower Upper
117 100
119 94.0 79.4 119.0
121 33.7 24.6 36.8

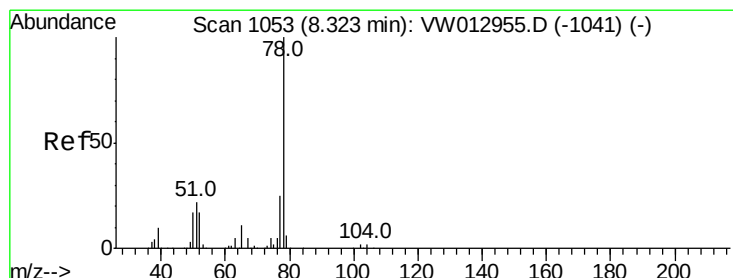
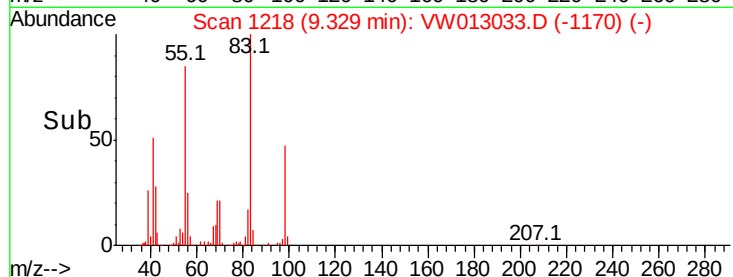
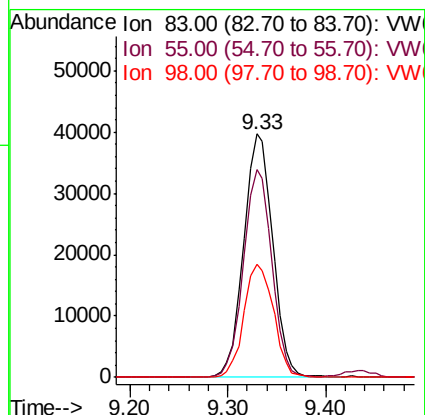
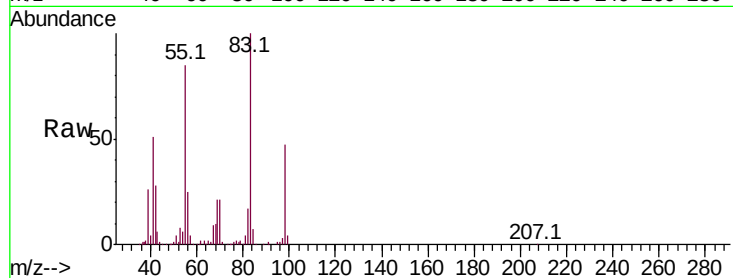




#39
Methylvlcyclohexane
Concen: 21.498 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW013033.D
Acq: 16 Sep 2019 11:40

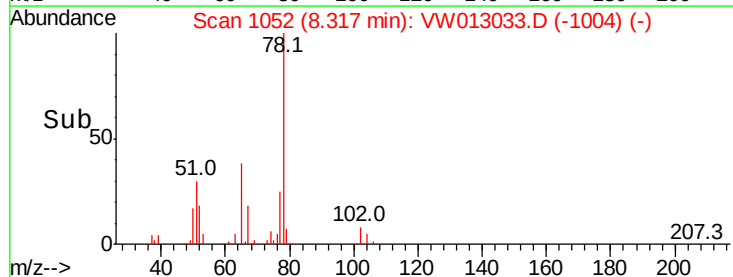
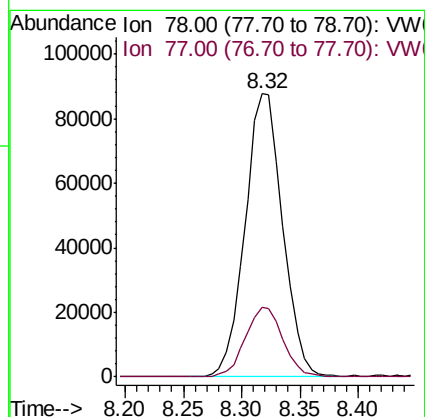
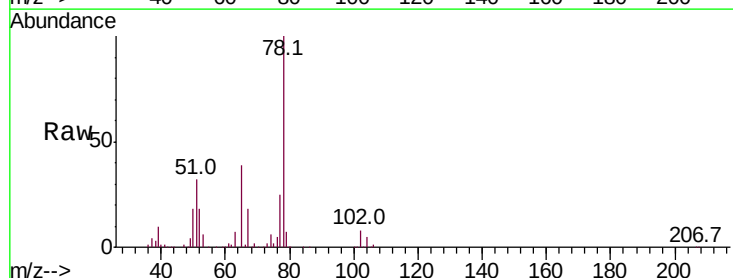
Instrument :
MSVOA_W
ClientSampled :

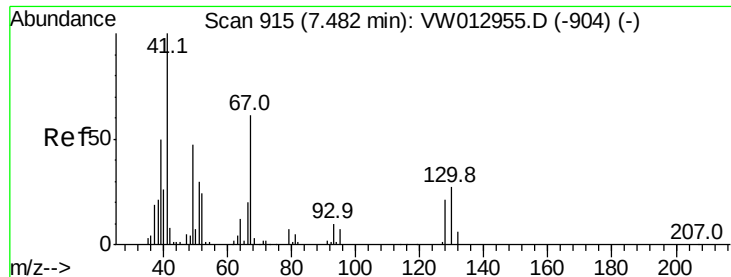
Tot Ion: 83 Resp: 82093
Ion Ratio Lower Upper
83 100
55 85.4 65.9 98.9
98 46.6 39.6 59.4



#40
Benzene
Concen: 20.254 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW013033.D
Acq: 16 Sep 2019 11:40

Tgt Ion: 78 Resp: 197040
Ion Ratio Lower Upper
78 100
77 24.7 19.6 29.4

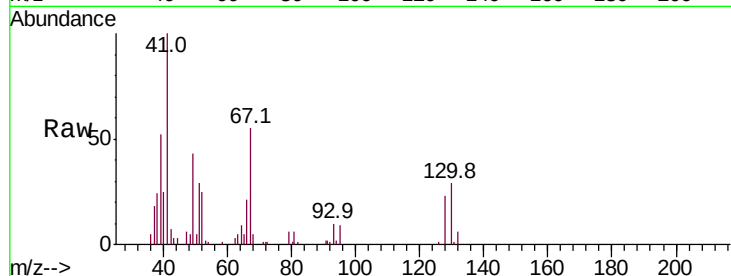




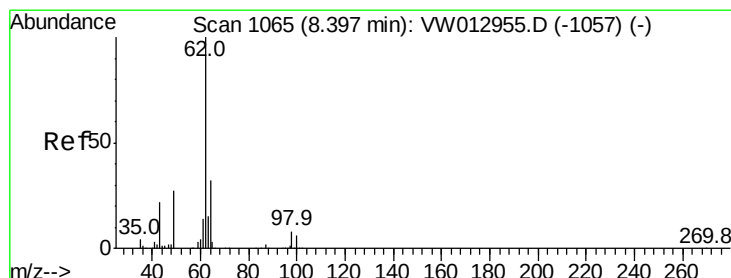
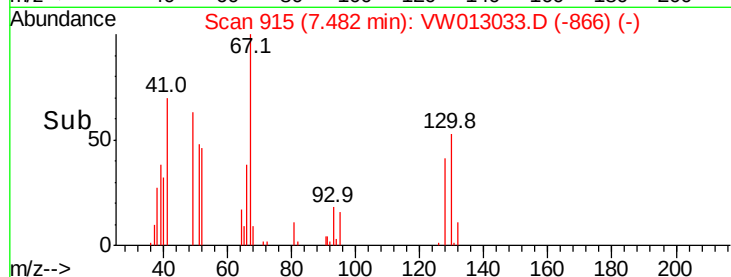
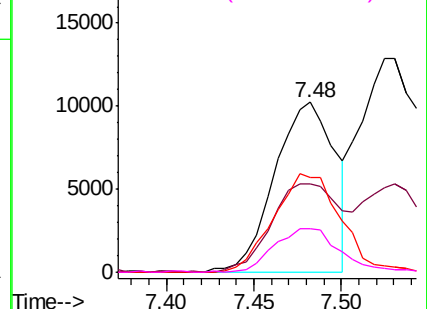
#41
Methacrylonitrile
Concen: 20.282 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW013033.D
Acq: 16 Sep 2019 11:40

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	41	Resp:	24705
Ion	Ratio	Lower	Upper
41	100		
39	61.7	48.2	72.4
67	64.0	47.5	71.3
52	28.3	21.0	31.4

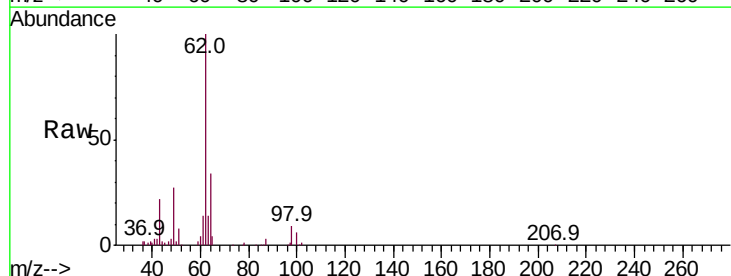


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

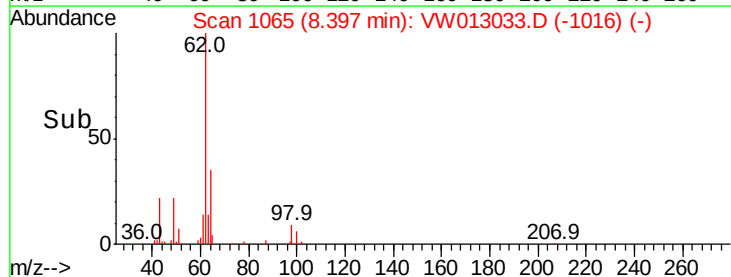
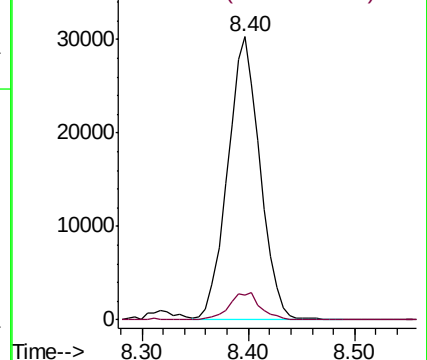


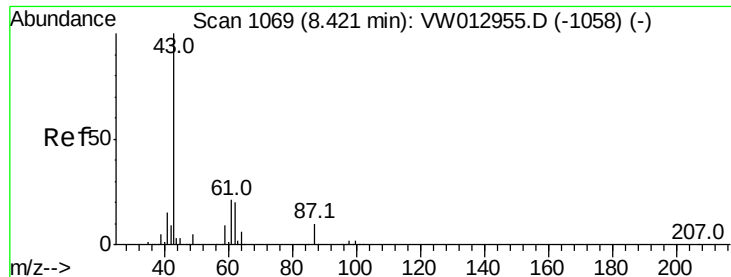
#42
1,2-Dichloroethane
Concen: 19.756 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013033.D
Acq: 16 Sep 2019 11:40

Tgt Ion:	62	Resp:	64427
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	16.8



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 21.847 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

Instrument :

MSVOA_W

ClientSampleId :

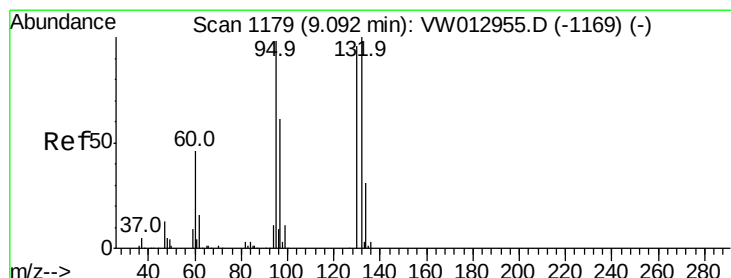
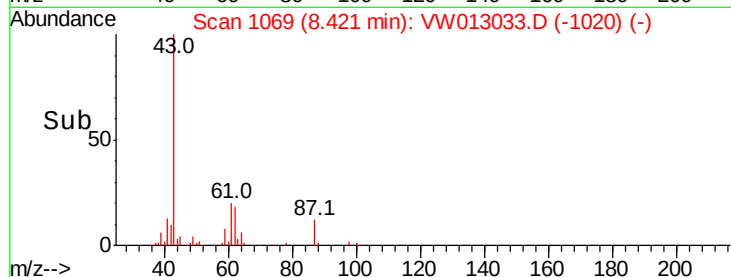
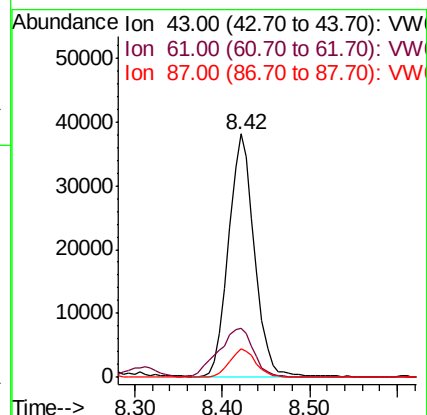
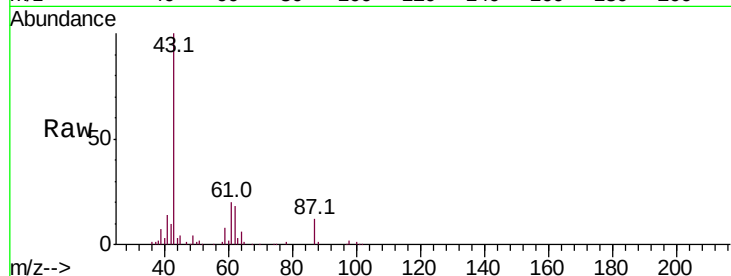
Tot Ion: 43 Resp: 77590

Ion Ratio Lower Upper

43 100

61 27.9 22.7 34.1

87 12.0 9.4 14.2



#44

Trichloroethene

Concen: 19.895 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW013033.D

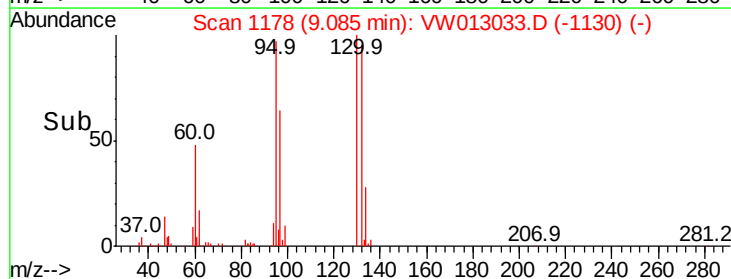
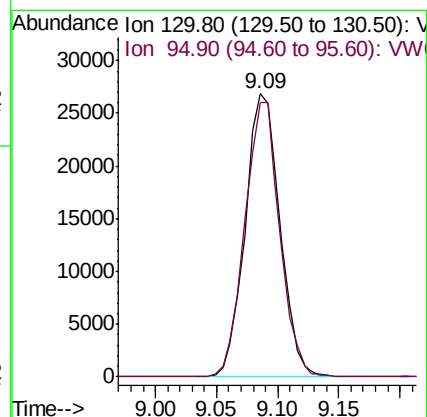
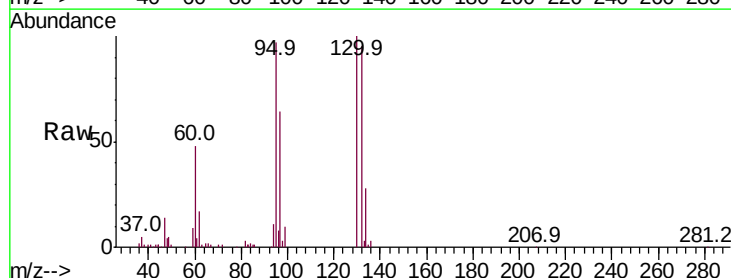
Acq: 16 Sep 2019 11:40

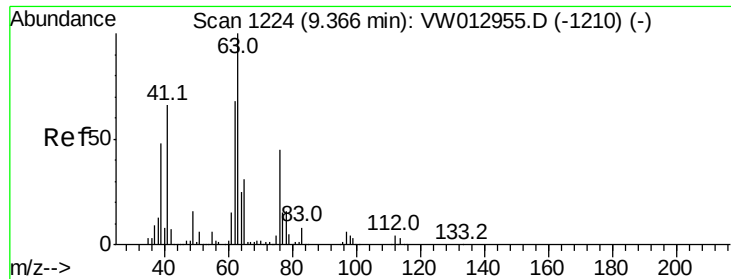
Tgt Ion: 130 Resp: 53014

Ion Ratio Lower Upper

130 100

95 97.0 0.0 204.4

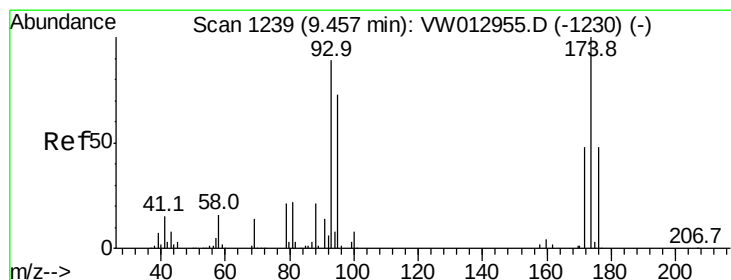
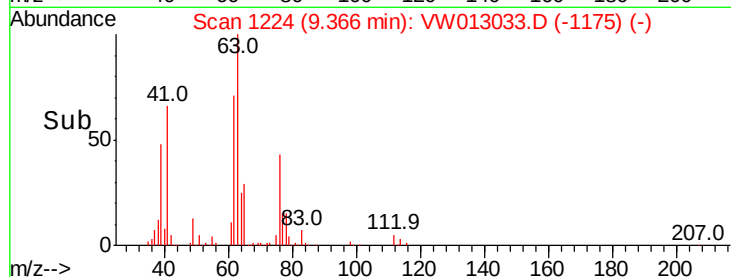
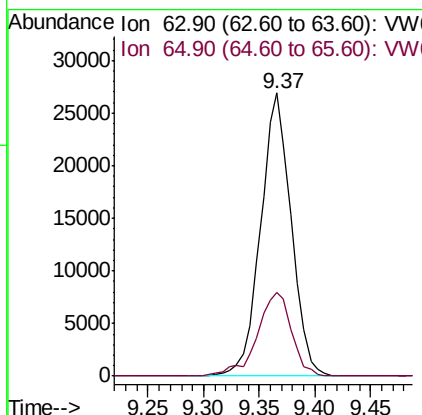
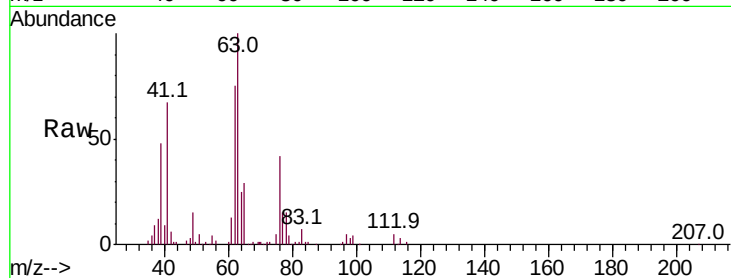




#45
 1,2-Dichloropropane
 Concen: 19.955 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013033.D
 Acq: 16 Sep 2019 11:40

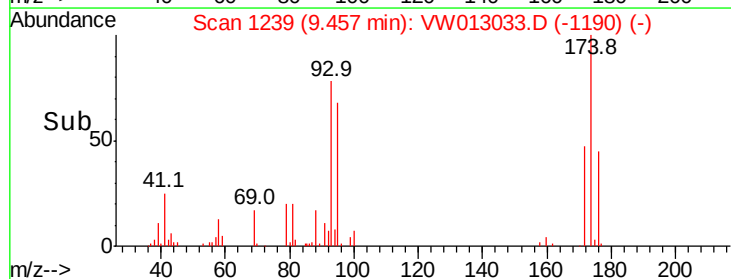
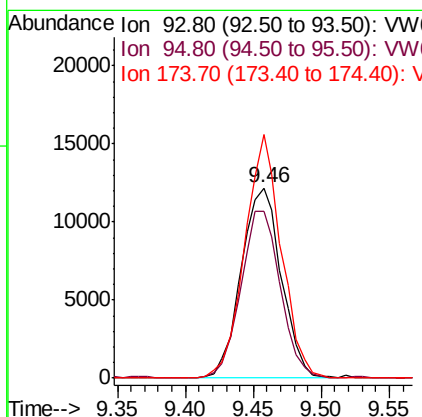
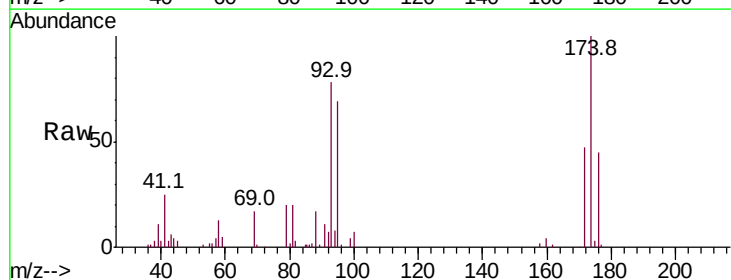
Instrument :
 MSVOA_W
 ClientSampled :

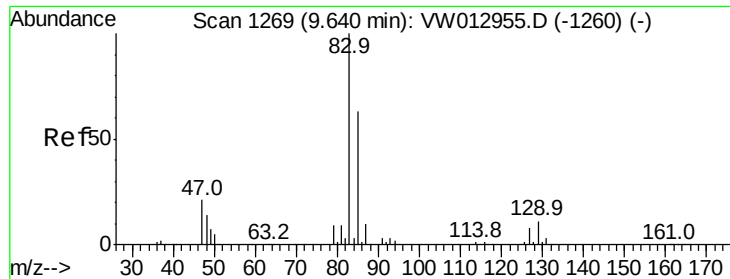
Tot Ion: 63 Resp: 51578
 Ion Ratio Lower Upper
 63 100
 65 29.5 24.6 37.0



#46
 Dibromomethane
 Concen: 20.311 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013033.D
 Acq: 16 Sep 2019 11:40

Tgt Ion: 93 Resp: 25151
 Ion Ratio Lower Upper
 93 100
 95 86.6 67.0 100.4
 174 116.2 90.5 135.7





#47

Bromodichloromethane

Concen: 19.580 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

Instrument :

MSVOA_W

ClientSampleId :

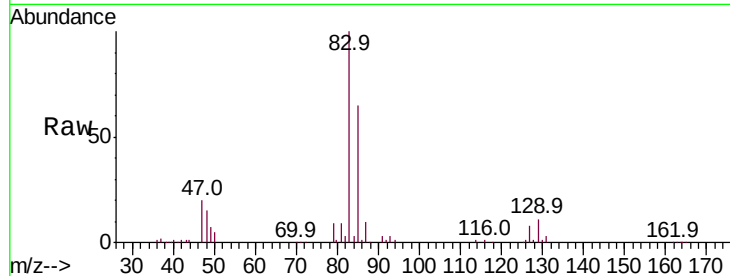
Tot Ion: 83 Resp: 68009

Ion Ratio Lower Upper

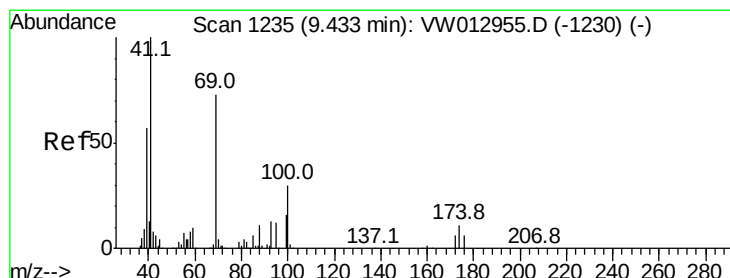
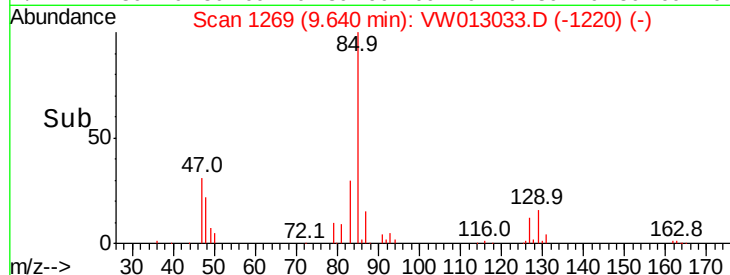
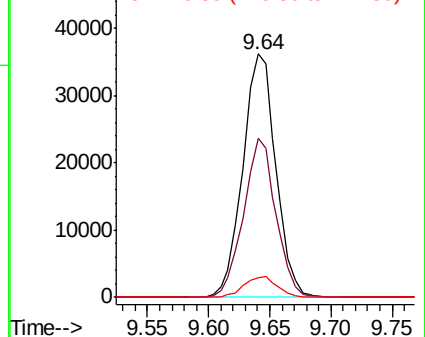
83 100

85 65.5 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: 22.128 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

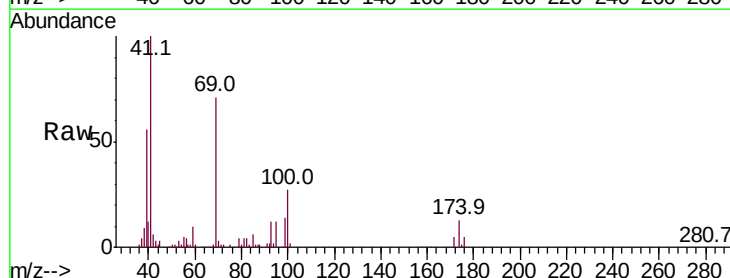
Tgt Ion: 41 Resp: 36882

Ion Ratio Lower Upper

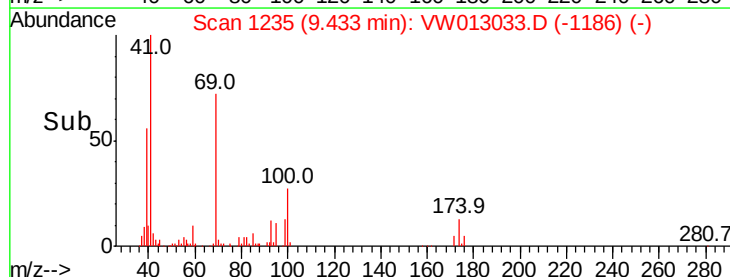
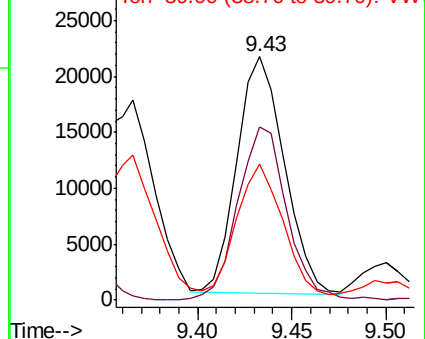
41 100

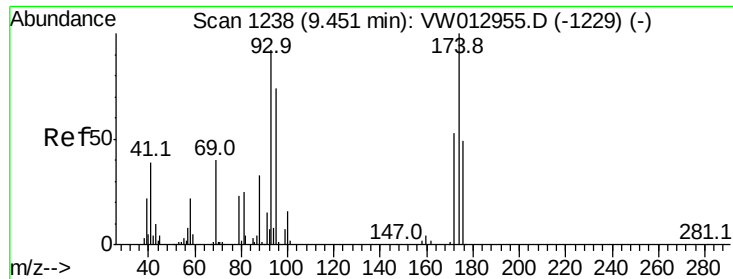
69 75.9 62.8 94.2

39 57.8 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: 453.170 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.01 min

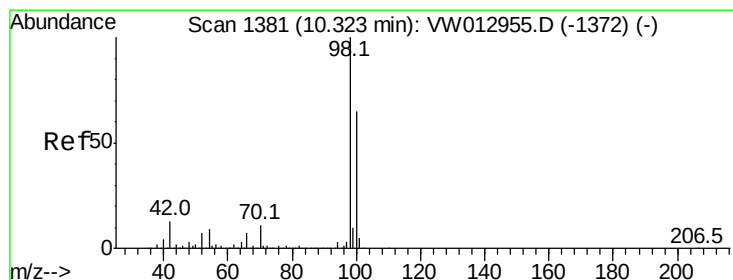
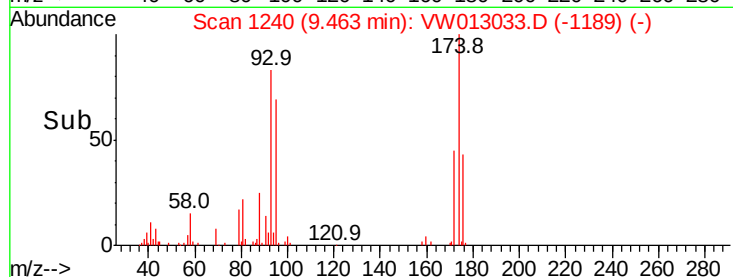
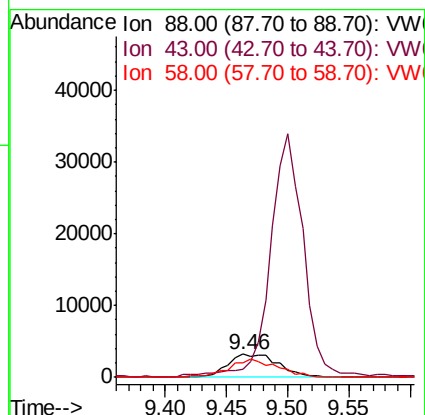
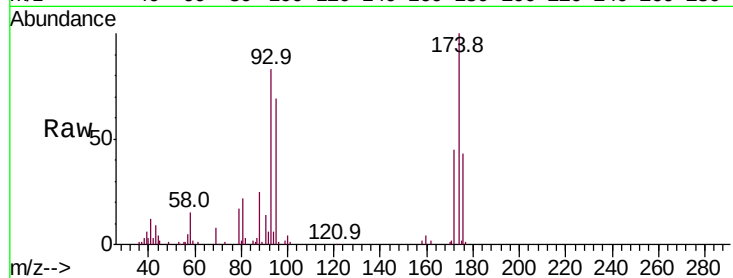
Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 88 Resp: 9403

Ion	Ratio	Lower	Upper
88	100		
43	0.0	31.3	46.9#
58	75.5	60.2	90.2



#50

Toluene-d8

Concen: 50.152 ug/l

RT: 10.32 min Scan# 1381

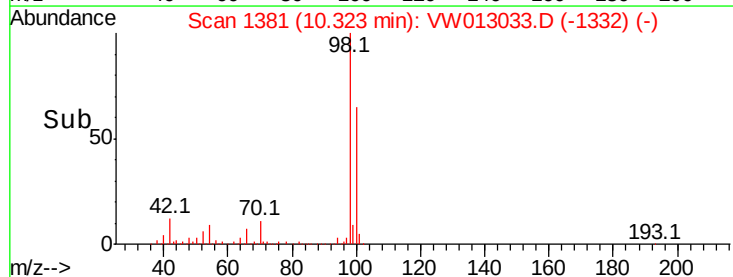
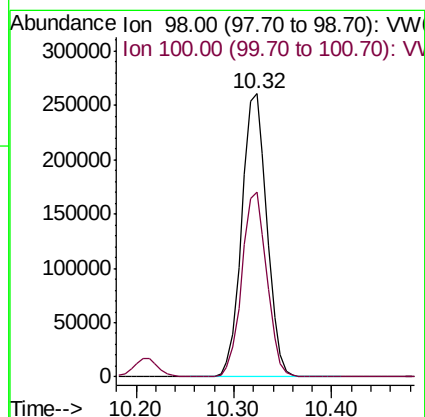
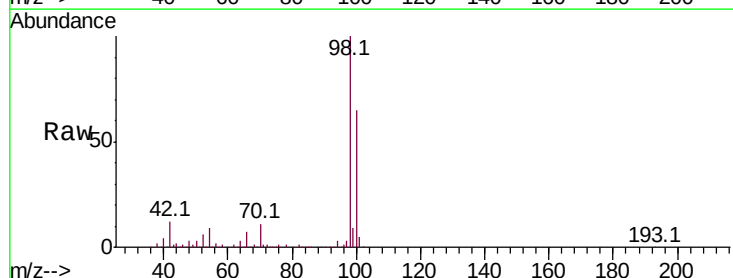
Delta R.T. -0.00 min

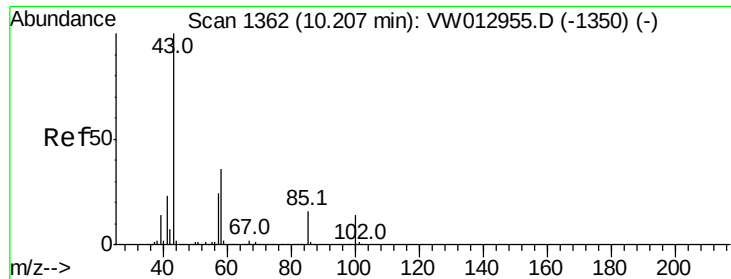
Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

Tgt Ion: 98 Resp: 464387

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 114.122 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

Instrument :

MSVOA_W

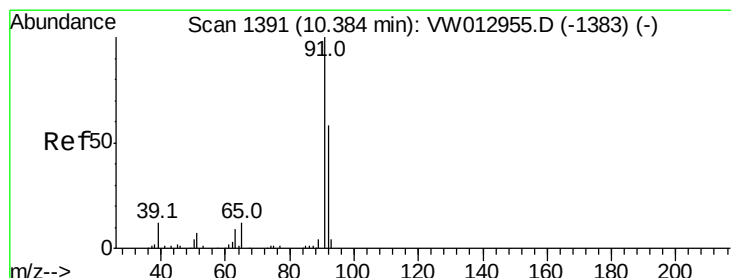
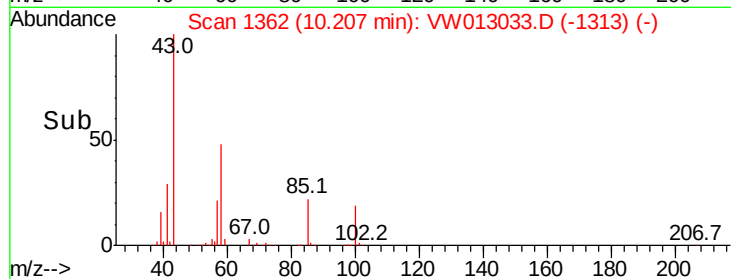
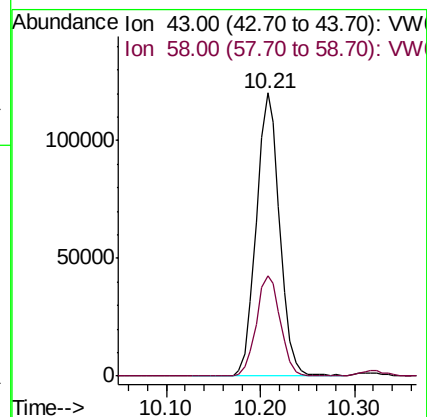
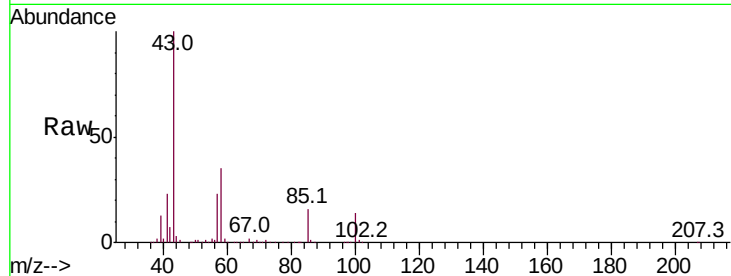
ClientSampled :

Tot Ion: 43 Resp: 209245

Ion Ratio Lower Upper

43 100

58 36.6 29.5 44.3



#52

Toluene

Concen: 20.166 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013033.D

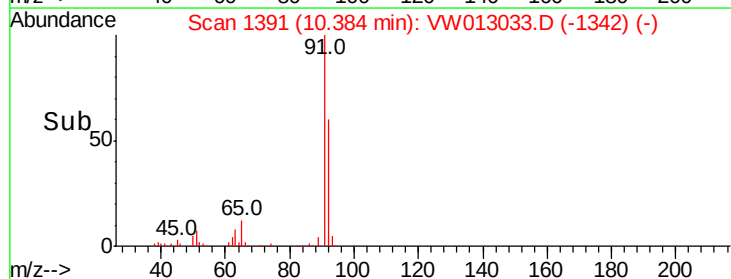
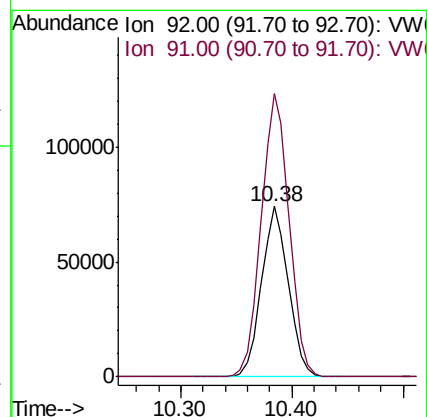
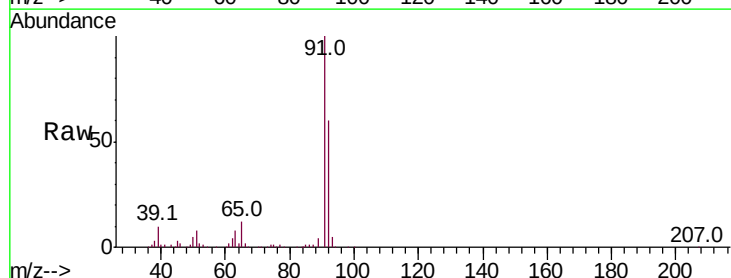
Acq: 16 Sep 2019 11:40

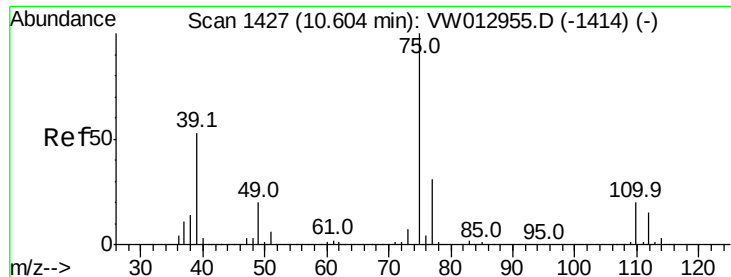
Tgt Ion: 92 Resp: 124658

Ion Ratio Lower Upper

92 100

91 172.4 137.5 206.3





#53

t-1,3-Dichloropropene

Concen: 20.663 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

Instrument :

MSVOA_W

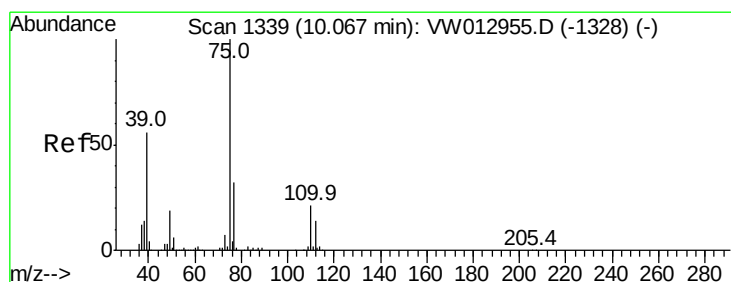
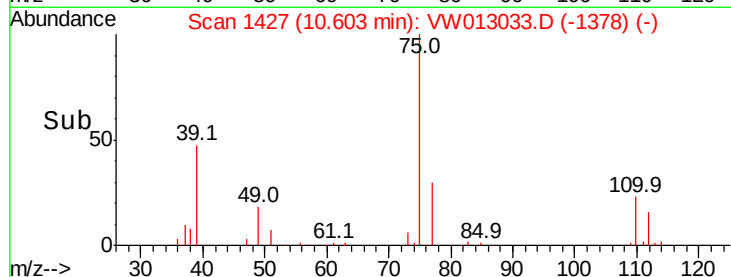
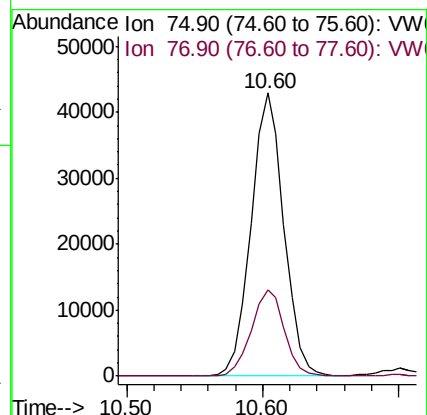
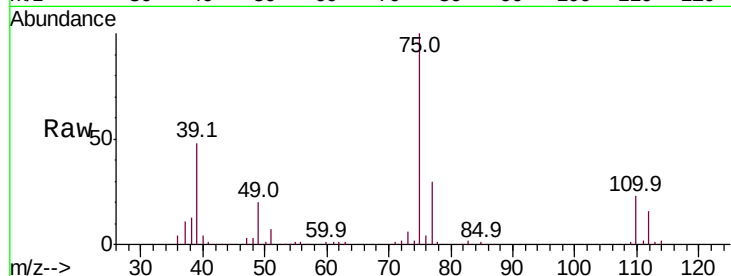
ClientSampleId :

Tot Ion: 75 Resp: 72183

Ion Ratio Lower Upper

75 100

77 30.5 24.6 37.0



#54

cis-1,3-Dichloropropene

Concen: 20.495 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.01 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

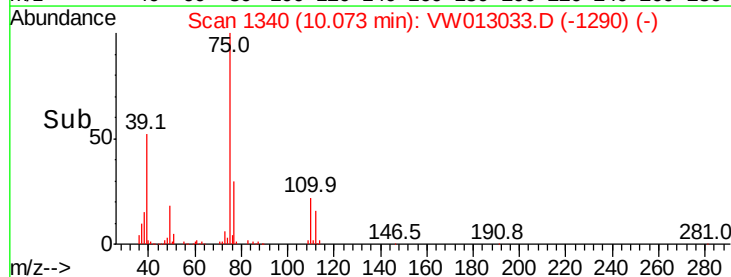
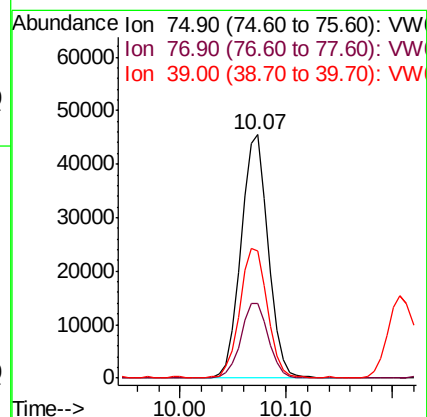
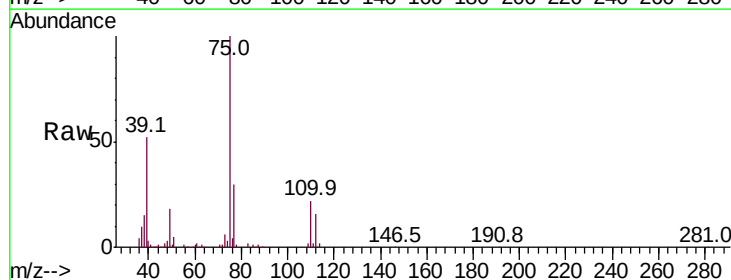
Tgt Ion: 75 Resp: 81919

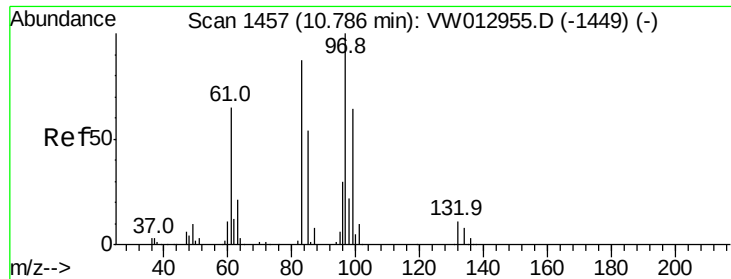
Ion Ratio Lower Upper

75 100

77 30.5 25.5 38.3

39 52.3 45.0 67.6

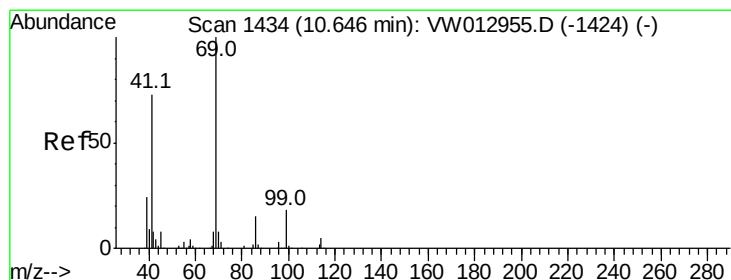
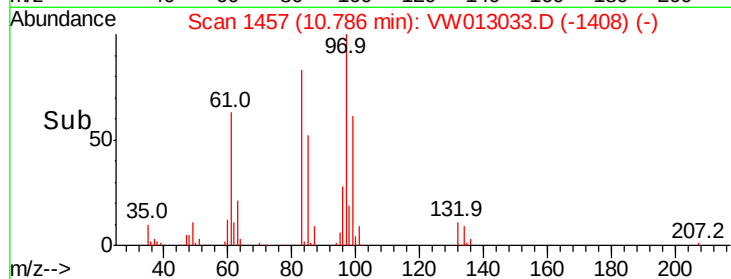
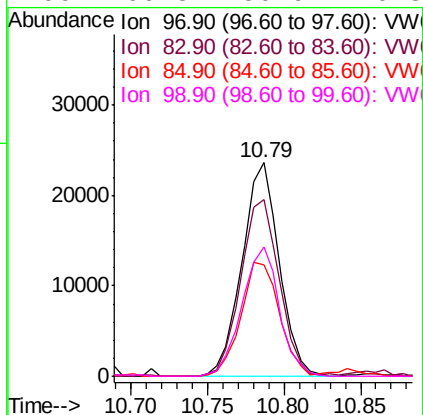
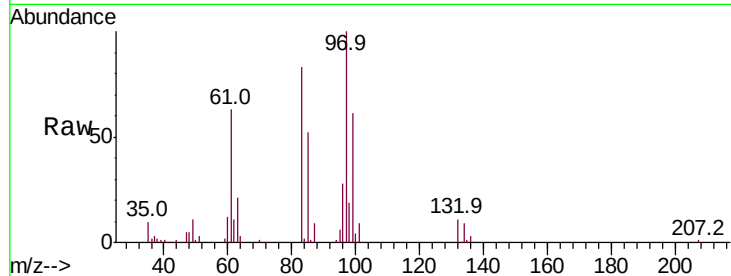




#55
 1,1,2-Trichloroethane
 Concen: 21.098 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013033.D
 Acq: 16 Sep 2019 11:40

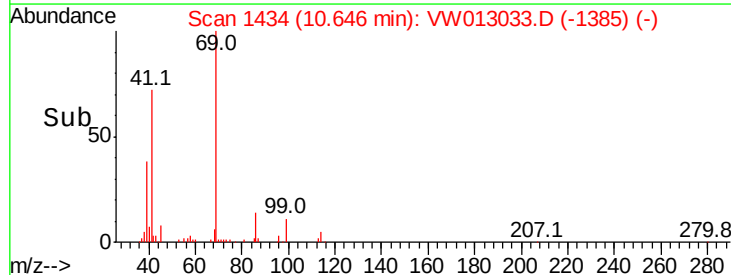
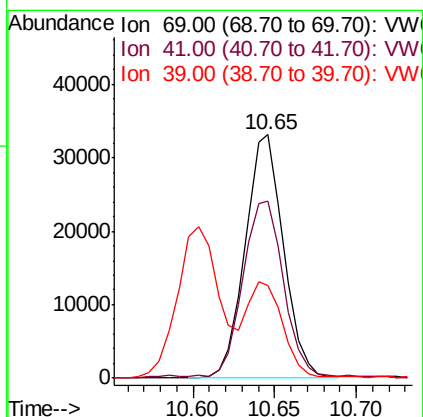
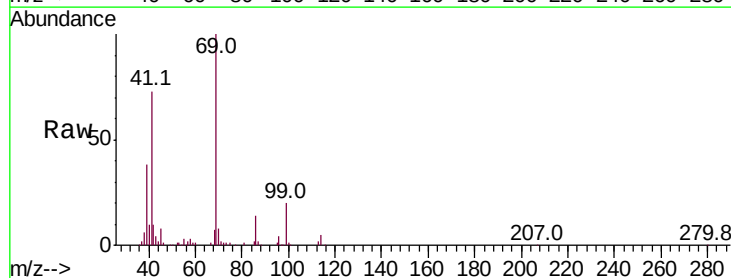
Instrument :
 MSVOA_W
 ClientSampleId :

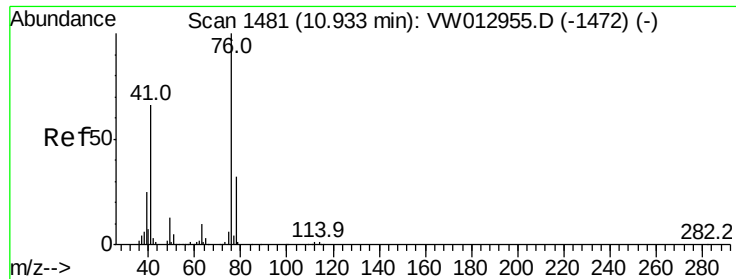
Tot Ion:	97	Resp:	39799
Ion	Ratio	Lower	Upper
97	100		
83	82.5	69.4	104.0
85	52.3	43.3	64.9
99	60.8	50.9	76.3



#56
 Ethyl methacrylate
 Concen: 21.392 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW013033.D
 Acq: 16 Sep 2019 11:40

Tgt Ion:	69	Resp:	54317
Ion	Ratio	Lower	Upper
69	100		
41	76.5	60.8	91.2
39	35.8	29.4	44.0





#57

1,3-Dichloropropane

Concen: 20.899 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

Instrument :

MSVOA_W

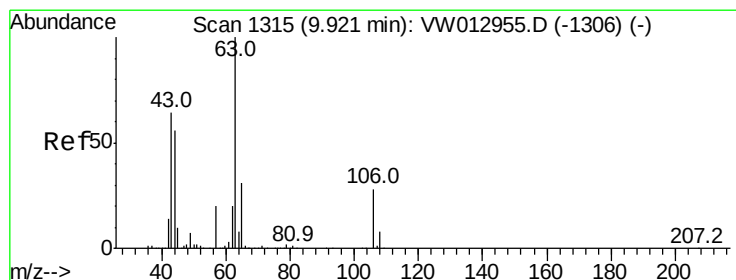
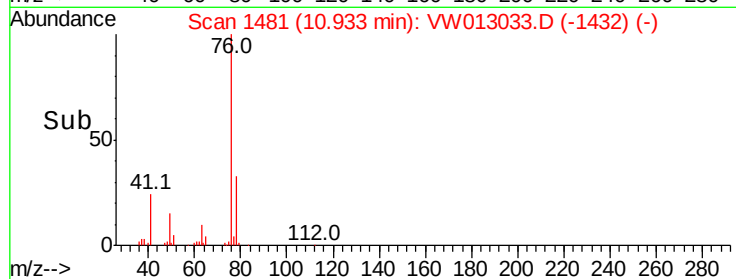
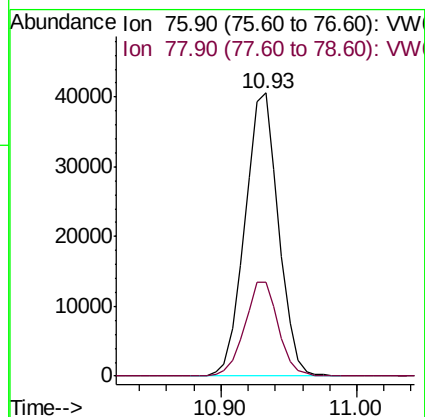
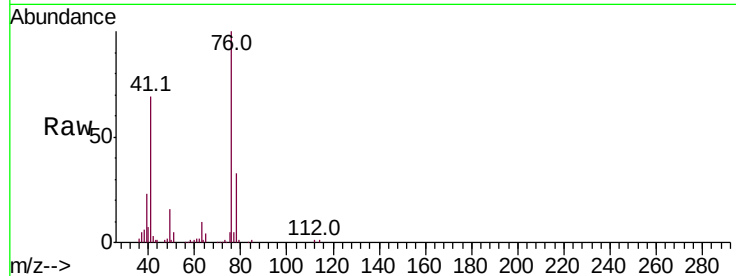
ClientSampleId :

Tot Ion: 76 Resp: 69936

Ion Ratio Lower Upper

76 100

78 33.2 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 107.330 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW013033.D

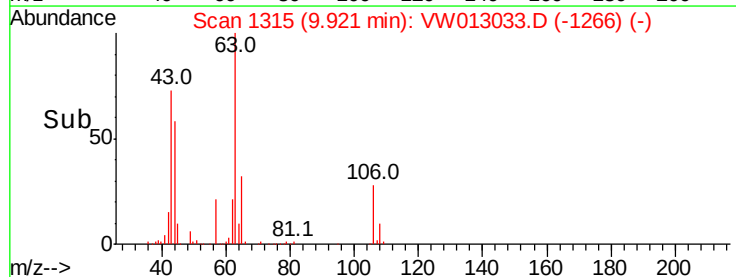
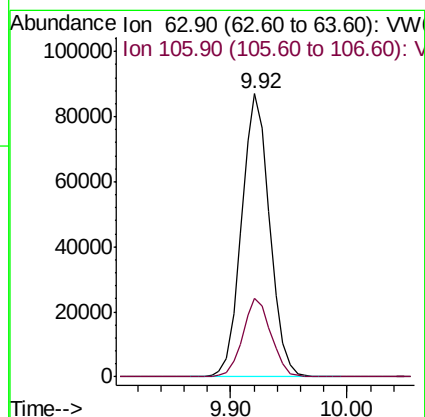
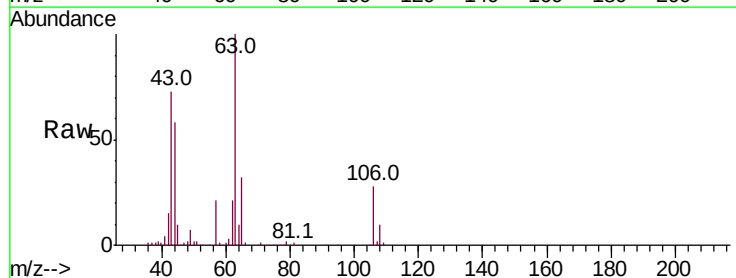
Acq: 16 Sep 2019 11:40

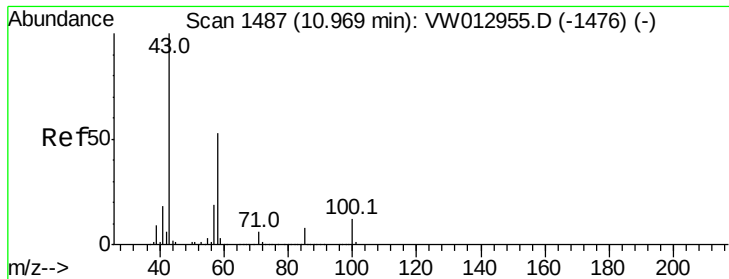
Tgt Ion: 63 Resp: 146193

Ion Ratio Lower Upper

63 100

106 27.8 22.2 33.2





#59

2-Hexanone

Concen: 114.453 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

Instrument :

MSVOA_W

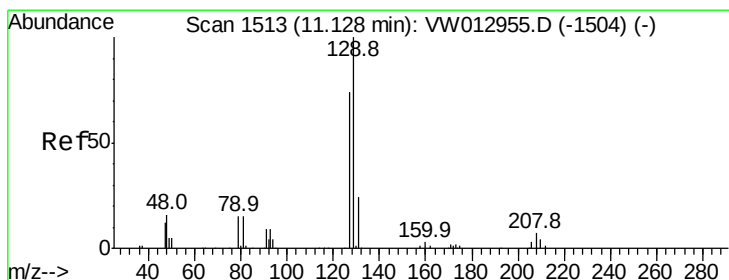
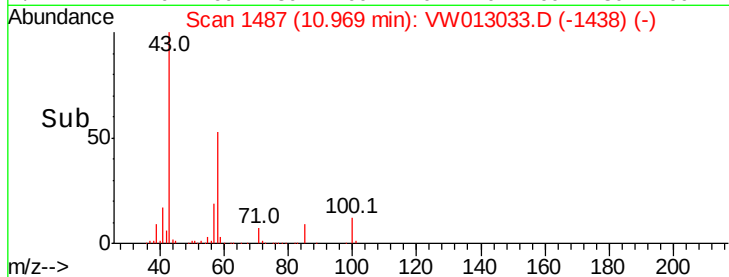
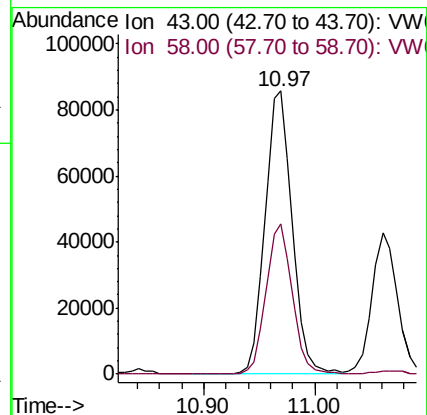
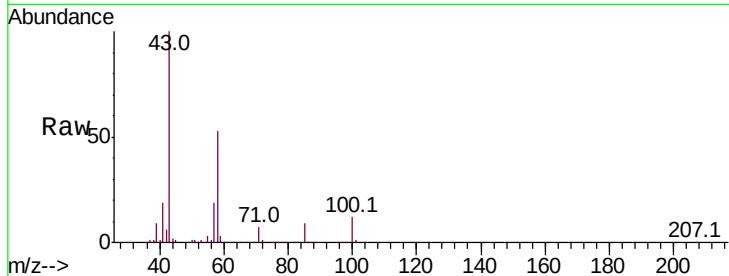
ClientSampled :

Tot Ion: 43 Resp: 146122

Ion Ratio Lower Upper

43 100

58 51.6 25.8 77.3



#60

Dibromochloromethane

Concen: 19.631 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW013033.D

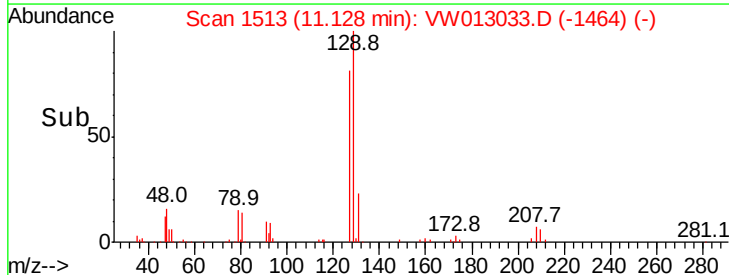
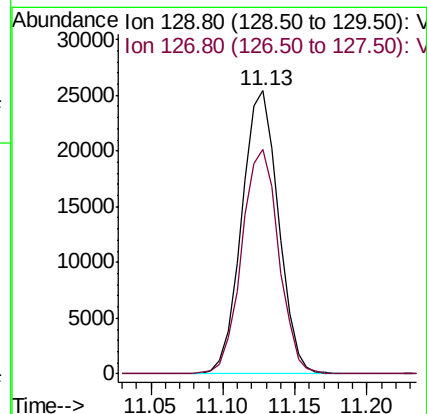
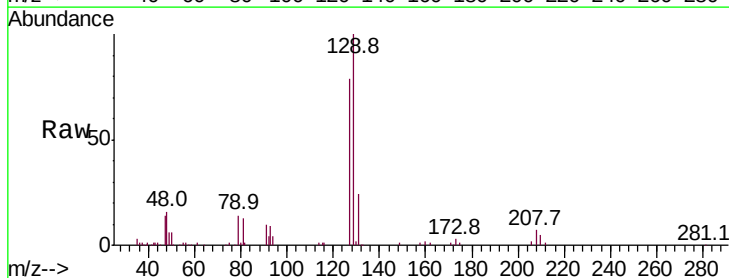
Acq: 16 Sep 2019 11:40

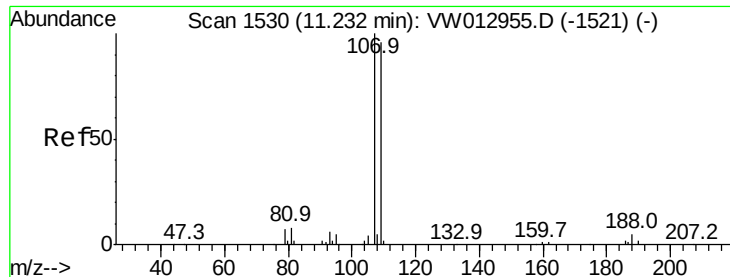
Tgt Ion: 129 Resp: 44771

Ion Ratio Lower Upper

129 100

127 79.9 37.4 112.2

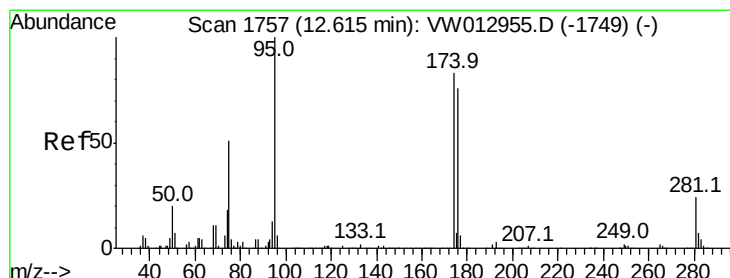
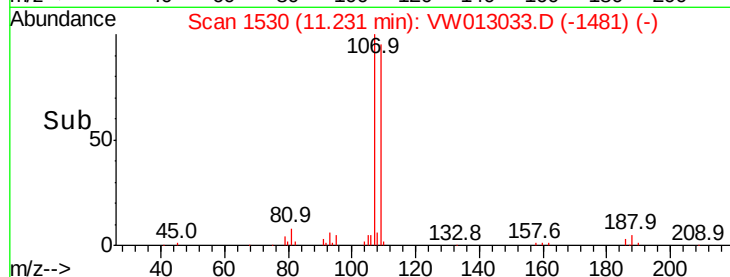
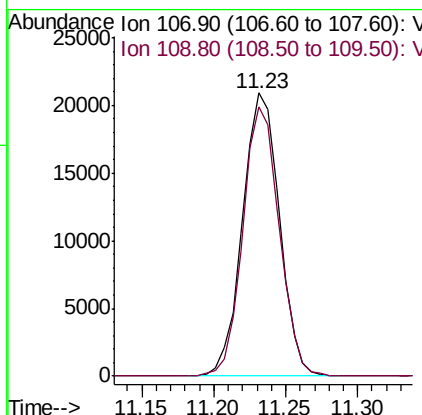
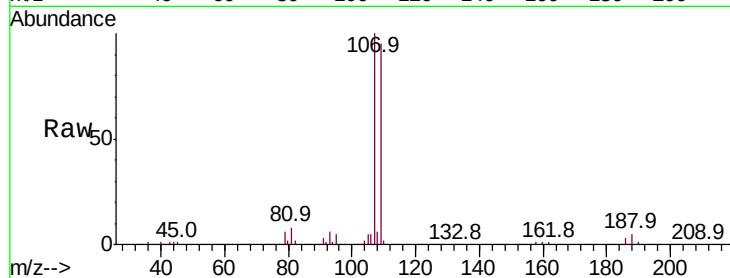




#61
 1,2-Dibromoethane
 Concen: 21.520 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW013033.D
 Acq: 16 Sep 2019 11:40

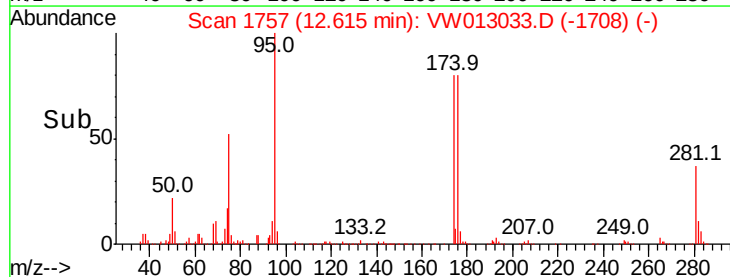
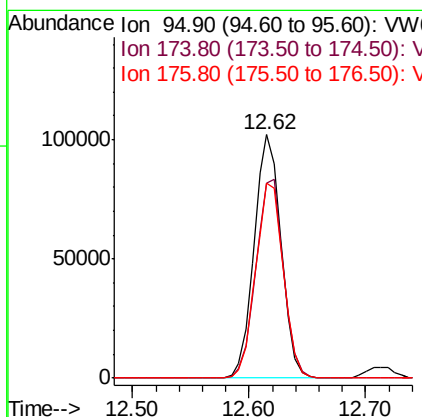
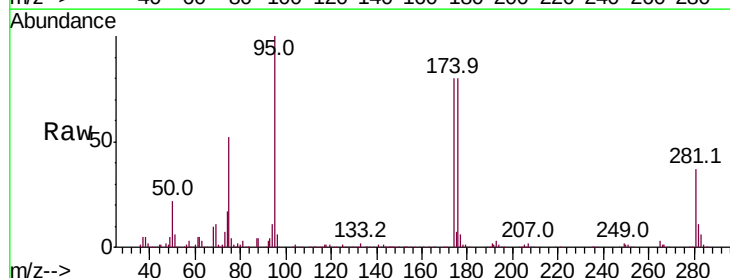
Instrument :
 MSVOA_W
 ClientSampleId :

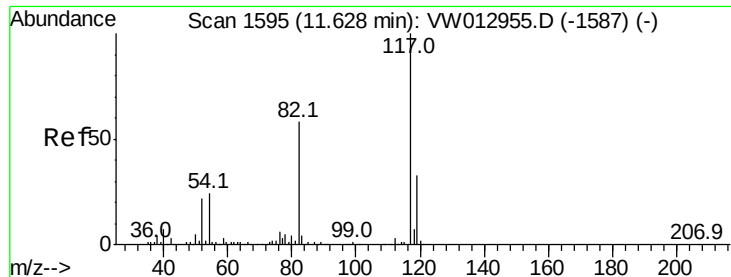
Tot Ion:107 Resp: 37033
 Ion Ratio Lower Upper
 107 100
 109 93.4 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 49.446 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013033.D
 Acq: 16 Sep 2019 11:40

Tgt Ion: 95 Resp: 164633
 Ion Ratio Lower Upper
 95 100
 174 83.7 0.0 170.4
 176 82.4 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: VW013033.D

Acq: 16 Sep 2019 11:40

Instrument :

MSVOA_W

ClientSampled :

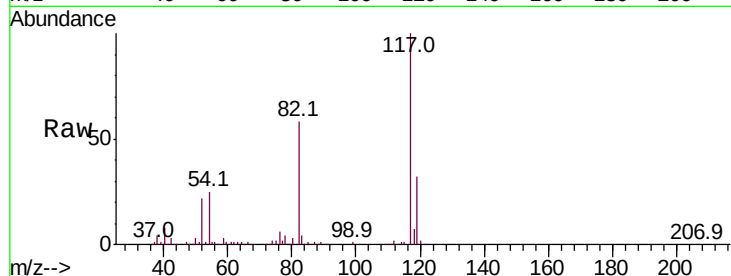
Tot Ion:117 Resp: 379950

Ion Ratio Lower Upper

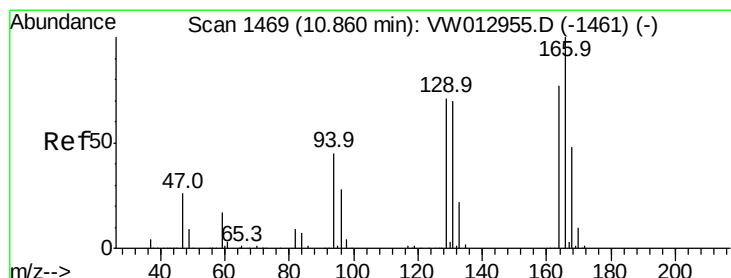
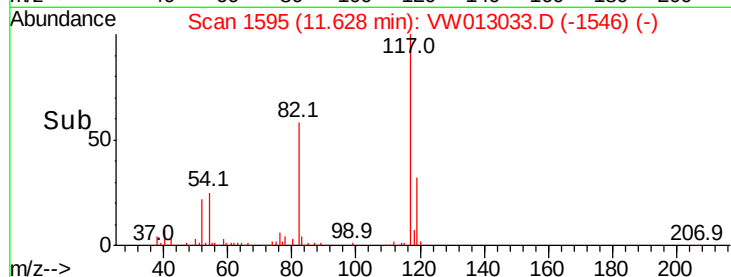
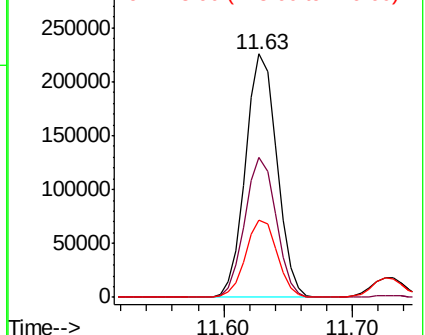
117 100

82 57.6 46.3 69.5

119 31.9 26.2 39.4



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



#64

Tetrachloroethene

Concen: 19.450 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

Tgt Ion:164 Resp: 43964

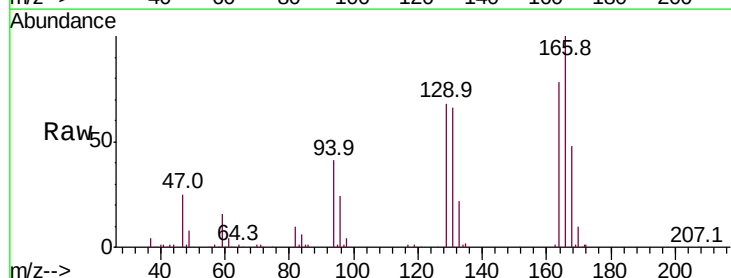
Ion Ratio Lower Upper

164 100

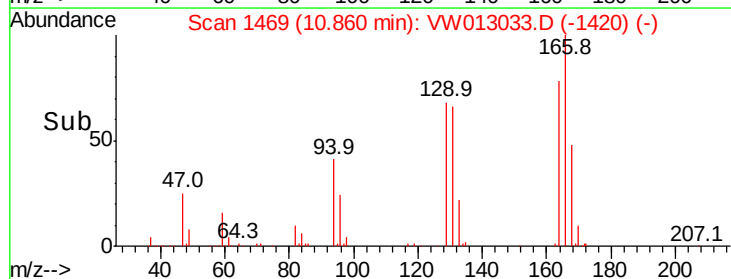
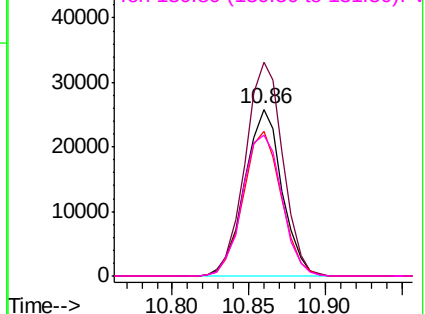
166 127.9 103.3 154.9

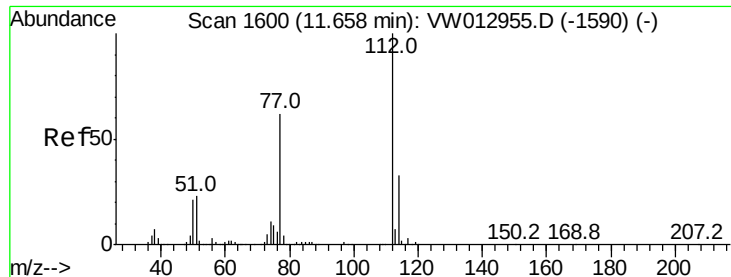
129 86.5 73.8 110.8

131 84.6 72.0 108.0



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

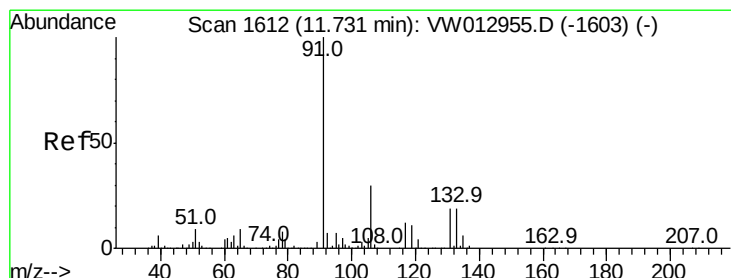
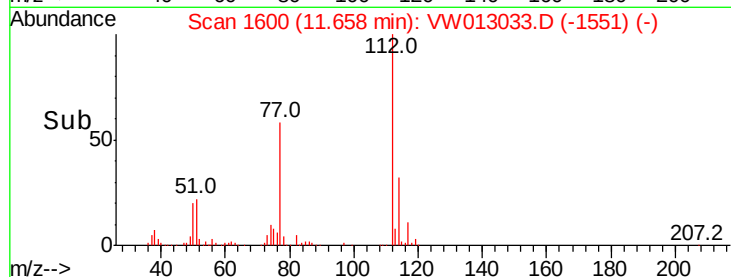
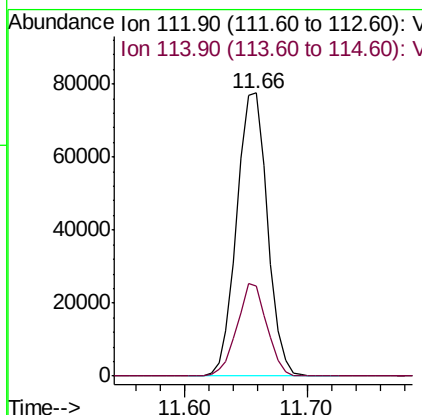
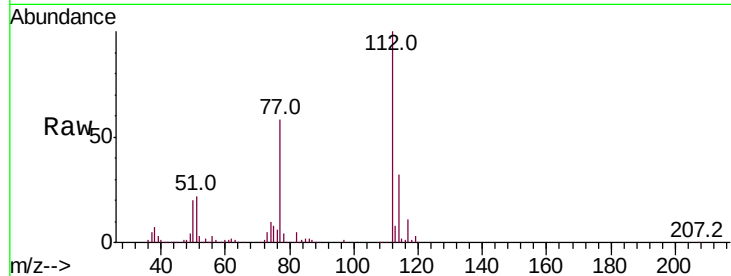




#65
Chlorobenzene
Concen: 19.931 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013033.D
Acq: 16 Sep 2019 11:40

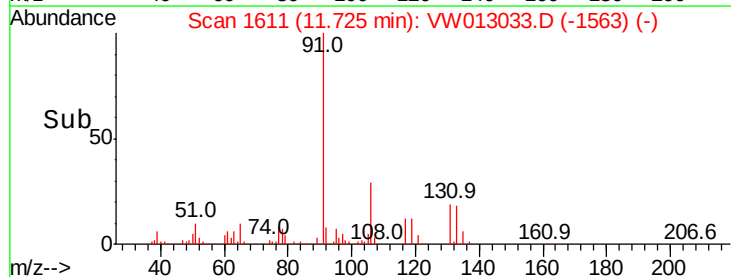
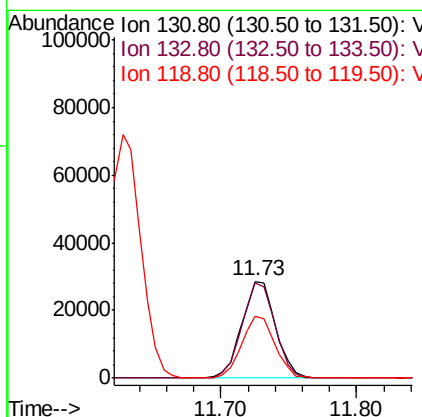
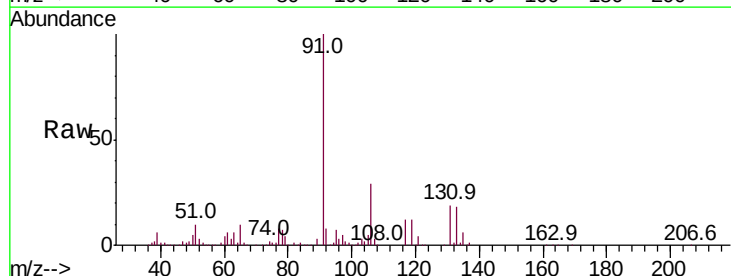
Instrument :
MSVOA_W
ClientSampled :

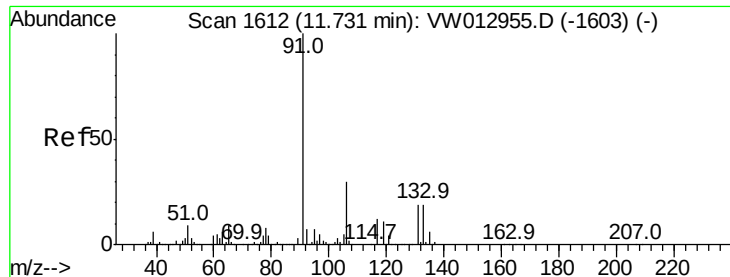
Tot Ion:112 Resp: 134887
Ion Ratio Lower Upper
112 100
114 31.9 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 19.067 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW013033.D
Acq: 16 Sep 2019 11:40

Tgt Ion:131 Resp: 49451
Ion Ratio Lower Upper
131 100
133 97.0 47.9 143.8
119 63.3 30.9 92.7





#67

Ethyl Benzene

Concen: 20.127 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

Instrument :

MSVOA_W

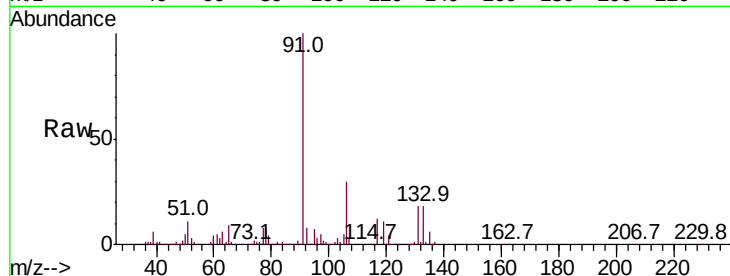
ClientSampled :

Tot Ion: 91 Resp: 251571

Ion Ratio Lower Upper

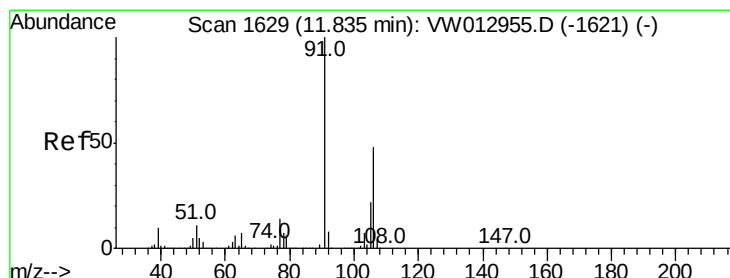
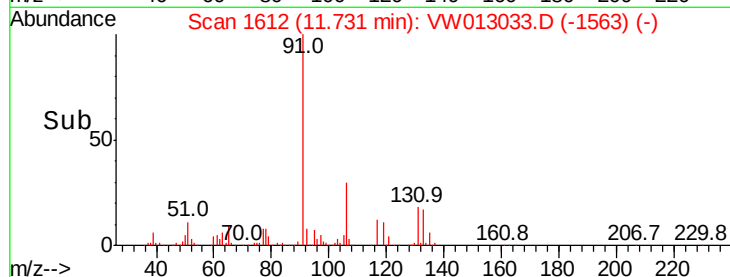
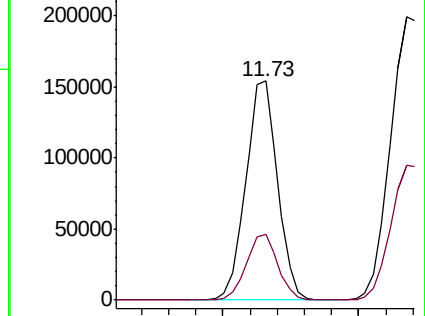
91 100

106 30.1 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 39.837 ug/l

RT: 11.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VW013033.D

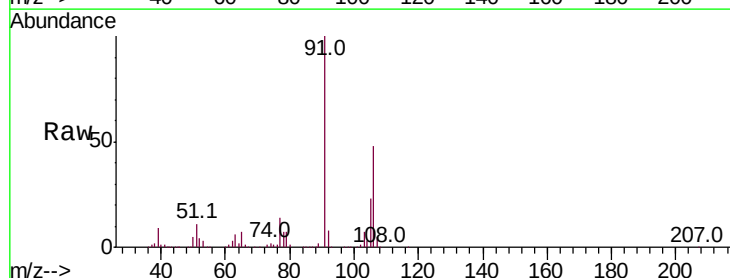
Acq: 16 Sep 2019 11:40

Tgt Ion:106 Resp: 181900

Ion Ratio Lower Upper

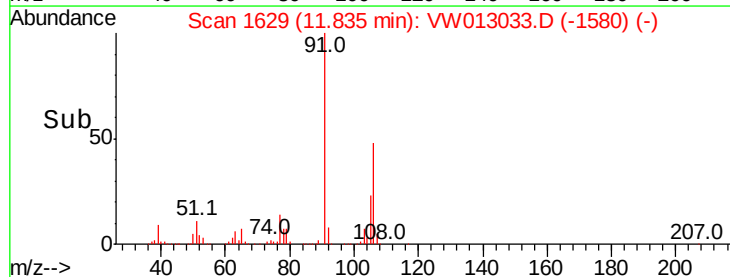
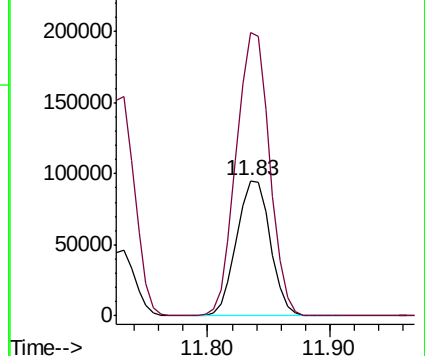
106 100

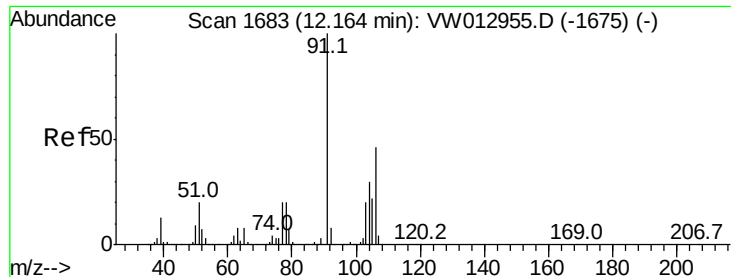
91 207.5 165.8 248.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

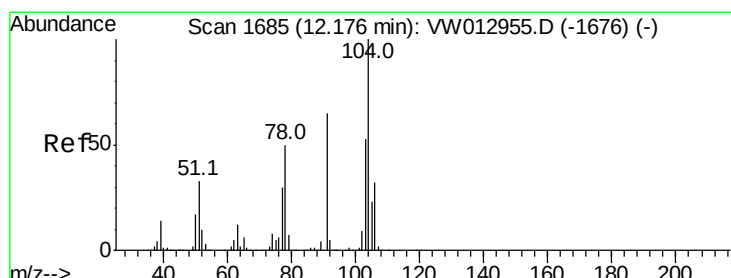
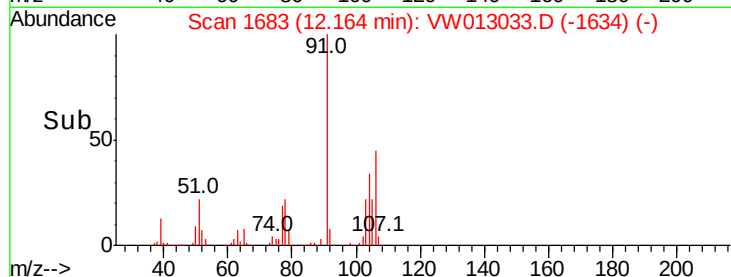
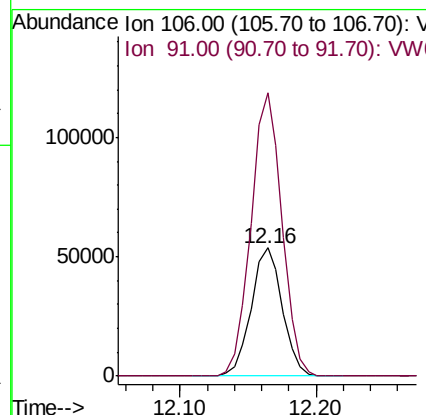
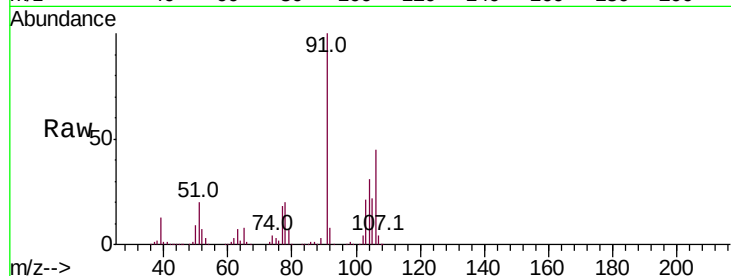




#69
o-Xylene
Concen: 20.070 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013033.D
Acq: 16 Sep 2019 11:40

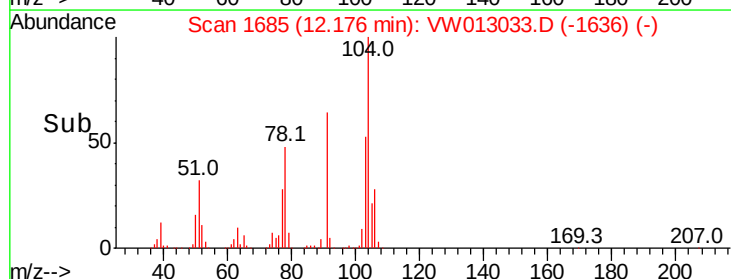
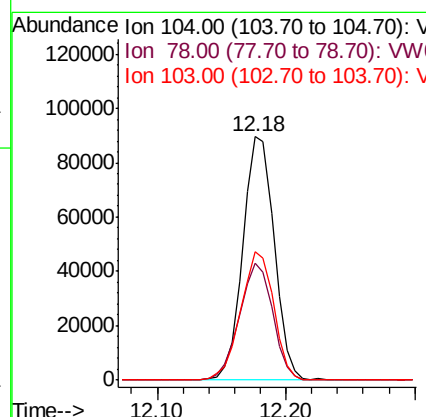
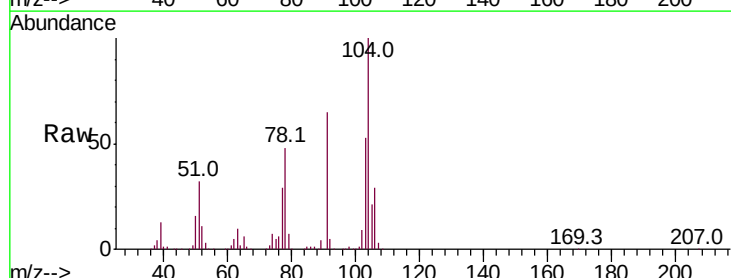
Instrument :
MSVOA_W
ClientSampled :

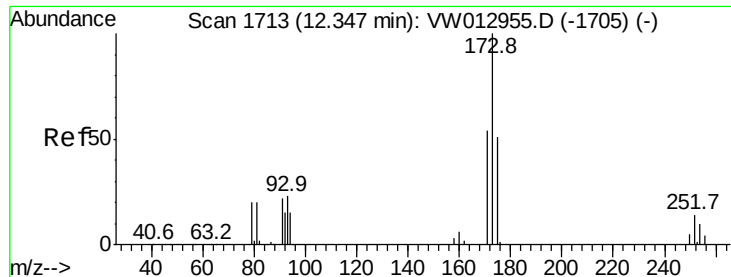
Tot Ion:106 Resp: 85917
Ion Ratio Lower Upper
106 100
91 220.7 109.7 329.0



#70
Styrene
Concen: 19.796 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW013033.D
Acq: 16 Sep 2019 11:40

Tgt Ion:104 Resp: 150748
Ion Ratio Lower Upper
104 100
78 51.3 42.1 63.1
103 55.5 44.2 66.4





#71

Bromoform

Concen: 20.181 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

Instrument :

MSVOA_W

ClientSampleId :

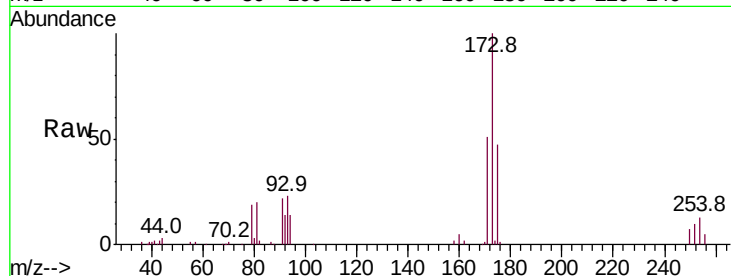
Tot Ion:173 Resp: 27493

Ion Ratio Lower Upper

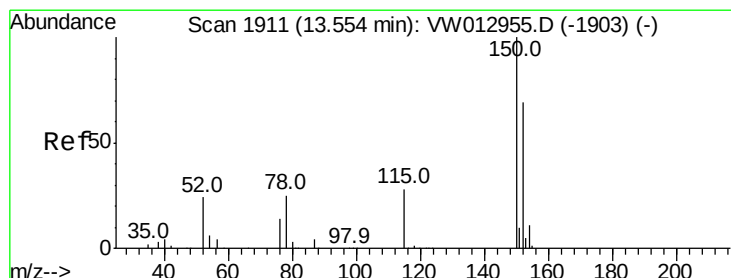
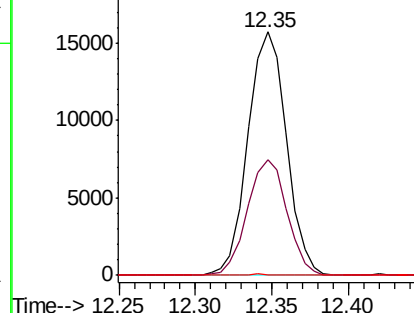
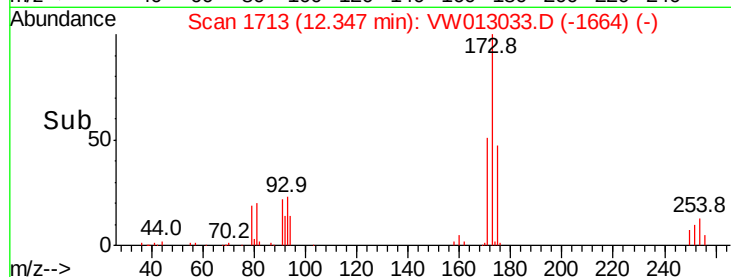
173 100

175 48.8 24.2 72.6

254 0.1 0.1 0.1



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.00 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

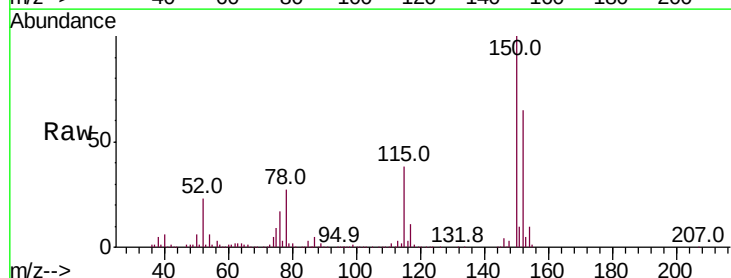
Tgt Ion:152 Resp: 195768

Ion Ratio Lower Upper

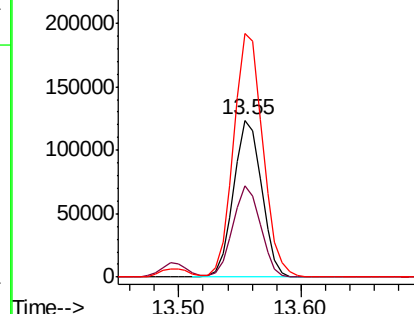
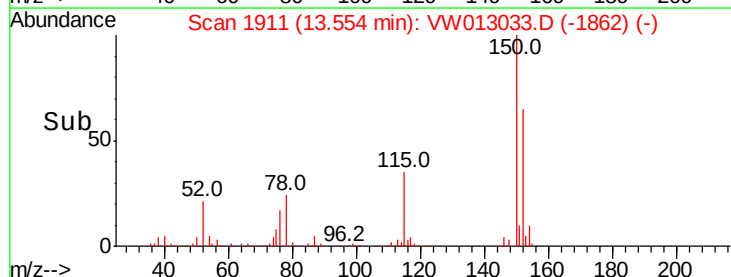
152 100

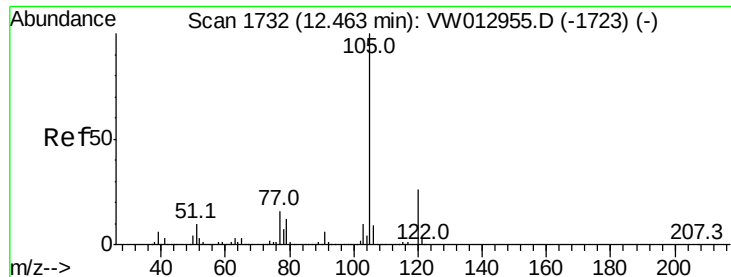
115 57.4 28.8 86.4

150 161.2 0.0 340.2



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

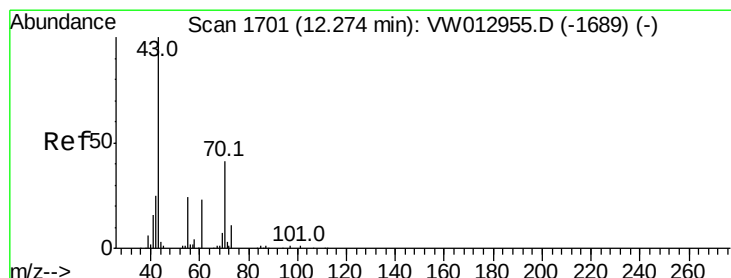
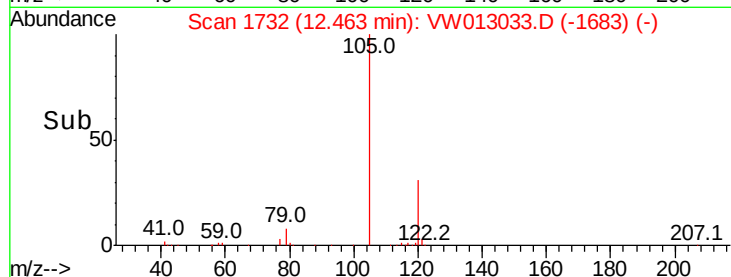
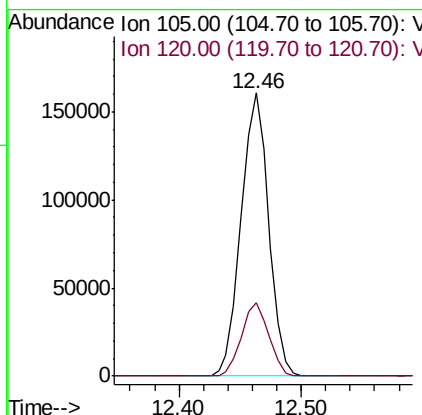
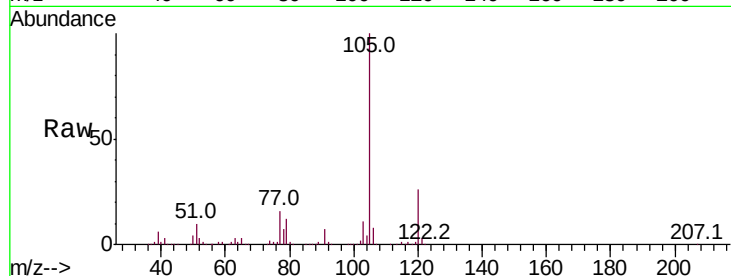




#73
Isopropylbenzene
Concen: 19.303 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW013033.D
Acq: 16 Sep 2019 11:40

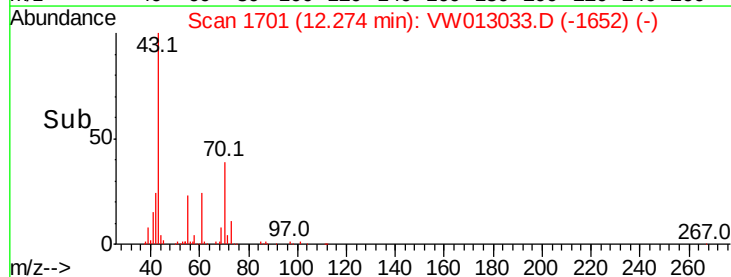
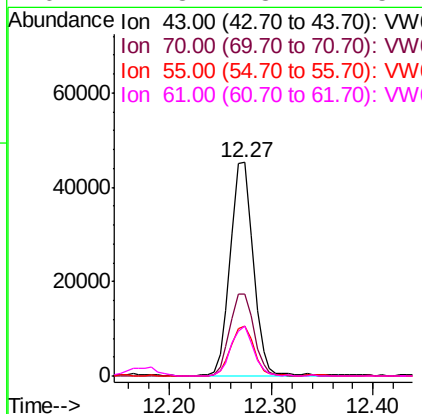
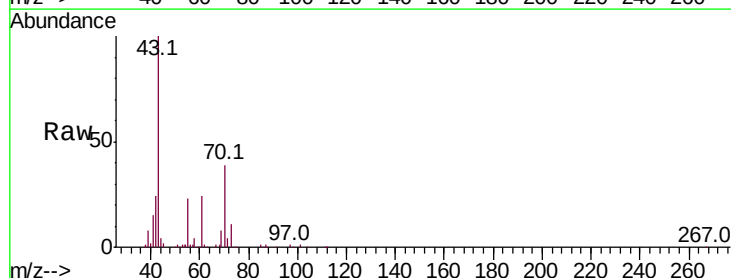
Instrument :
MSVOA_W
ClientSampleId :

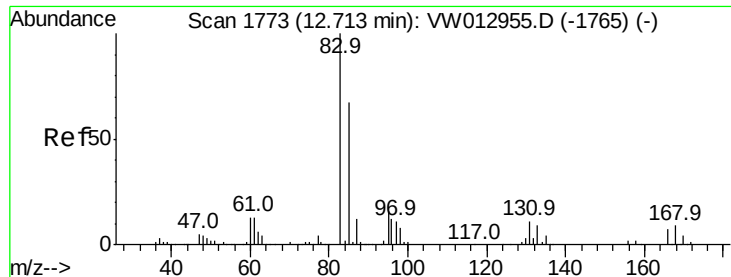
Tot Ion:105 Resp: 250482
Ion Ratio Lower Upper
105 100
120 25.7 13.0 39.0



#74
N-ethyl acetate
Concen: 21.156 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW013033.D
Acq: 16 Sep 2019 11:40

Tgt Ion: 43 Resp: 70619
Ion Ratio Lower Upper
43 100
70 40.5 31.7 47.5
55 23.9 19.4 29.2
61 22.8 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 20.750 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

Instrument :

MSVOA_W

ClientSampleId :

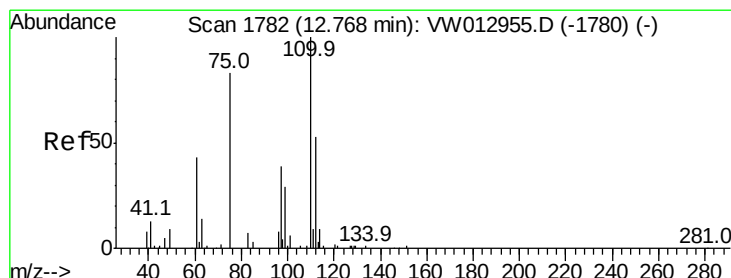
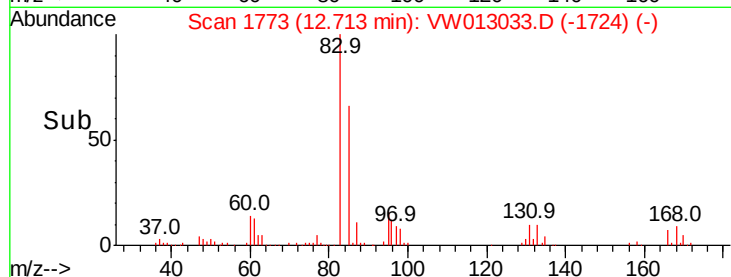
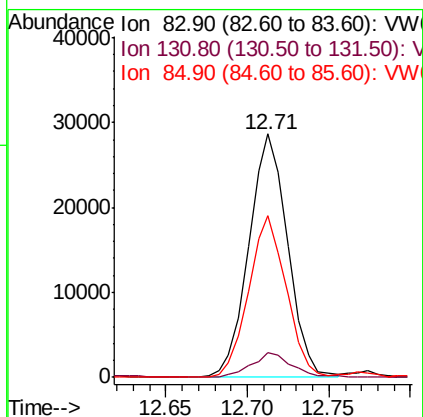
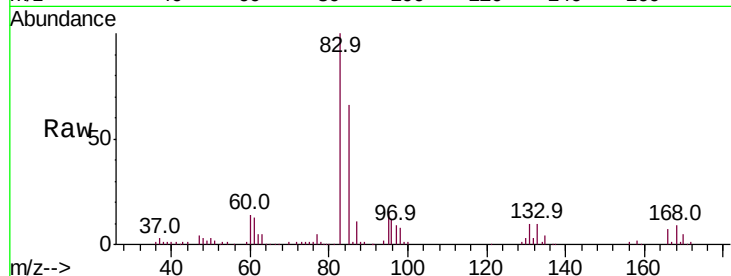
Tot Ion: 83 Resp: 47290

Ion Ratio Lower Upper

83 100

131 10.6 5.7 17.1

85 64.3 31.4 94.3



#76

1,2,3-Trichloropropane

Concen: 36.346 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013033.D

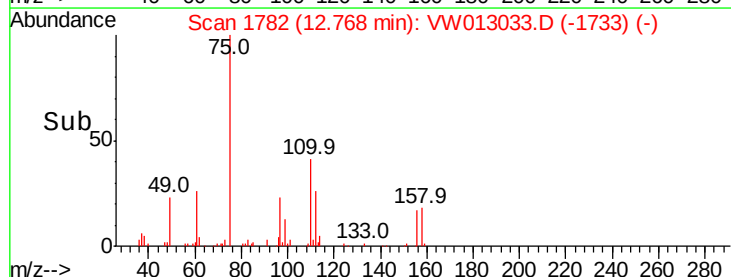
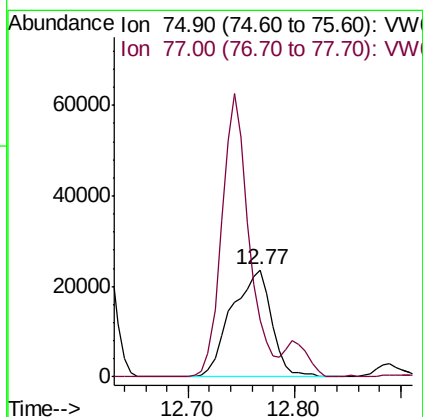
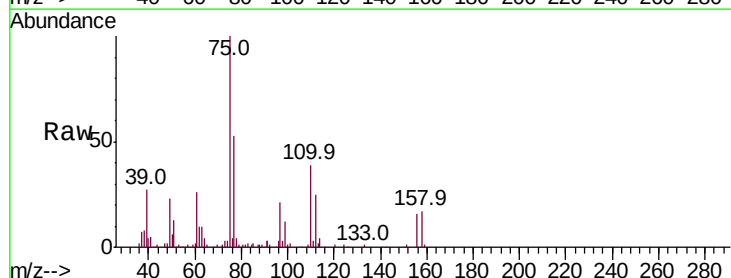
Acq: 16 Sep 2019 11:40

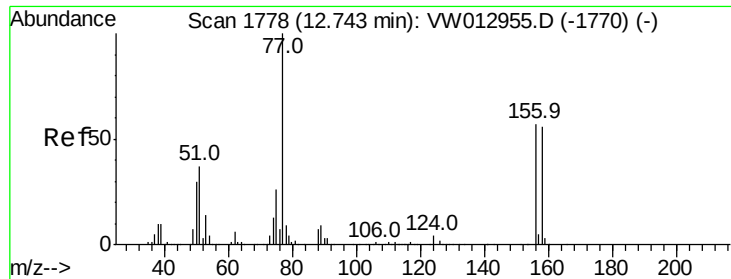
Tgt Ion: 75 Resp: 62325

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 19.446 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

Instrument :

MSVOA_W

ClientSampleId :

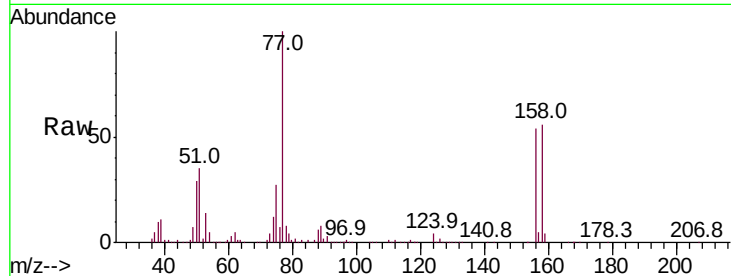
Tot Ion:156 Resp: 58132

Ion Ratio Lower Upper

156 100

77 193.7 95.2 285.6

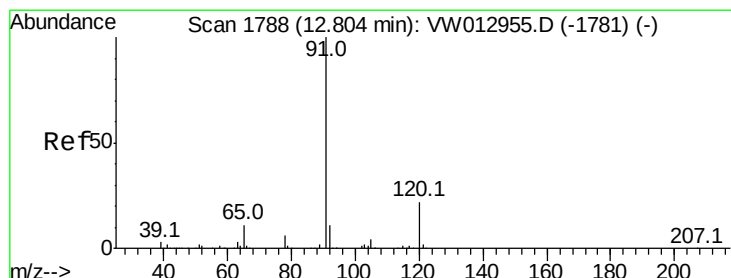
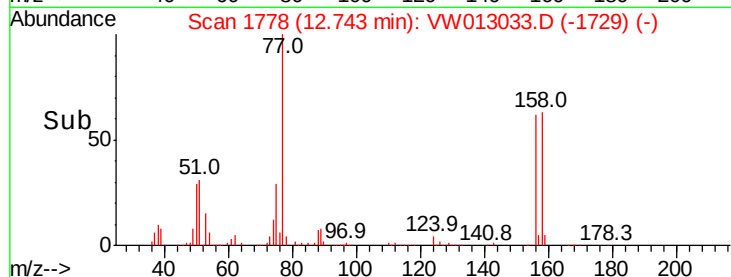
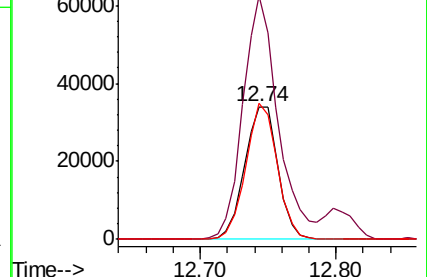
158 97.0 49.0 147.2



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: 19.484 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013033.D

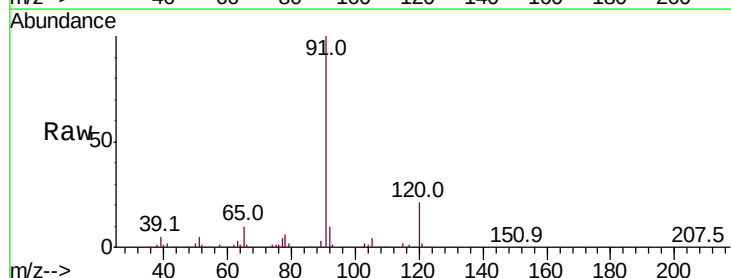
Acq: 16 Sep 2019 11:40

Tgt Ion: 91 Resp: 297397

Ion Ratio Lower Upper

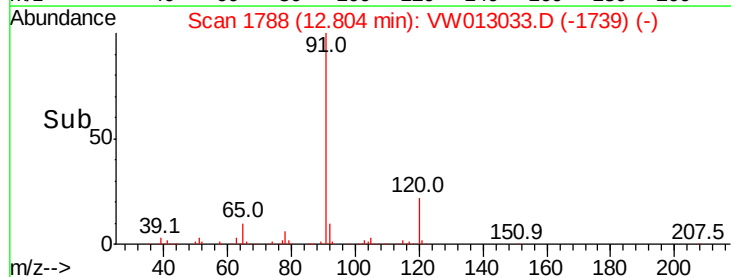
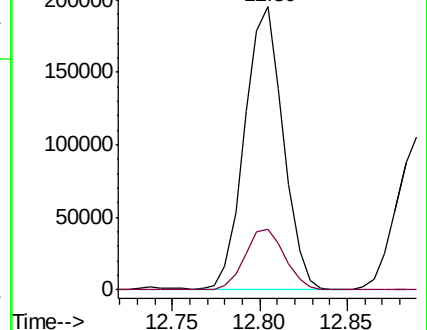
91 100

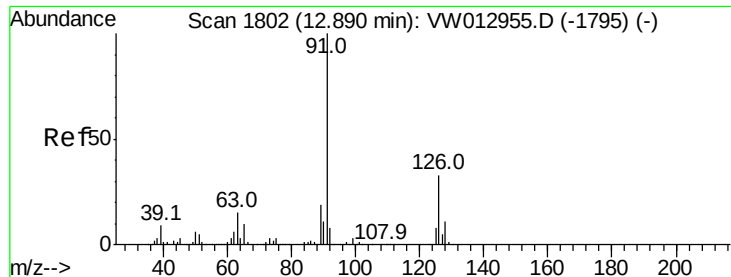
120 22.4 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.970 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

Instrument :

MSVOA_W

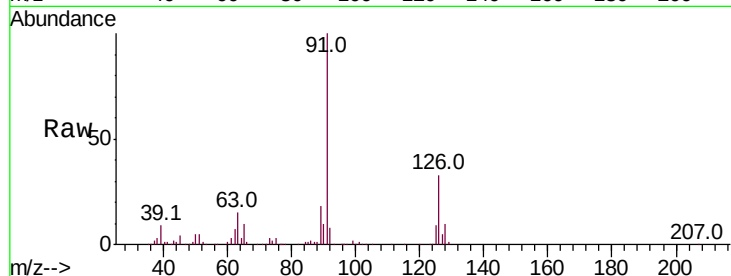
ClientSampled :

Tot Ion: 91 Resp: 166454

Ion Ratio Lower Upper

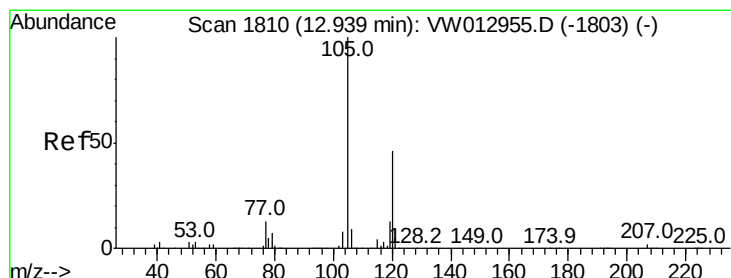
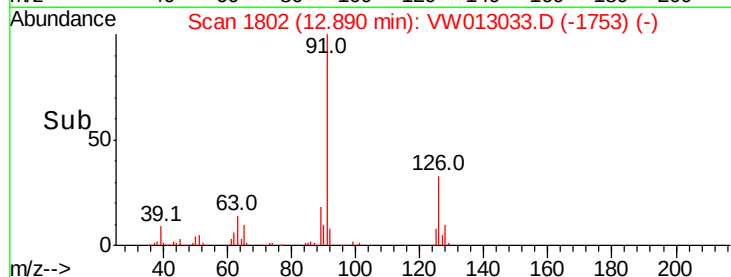
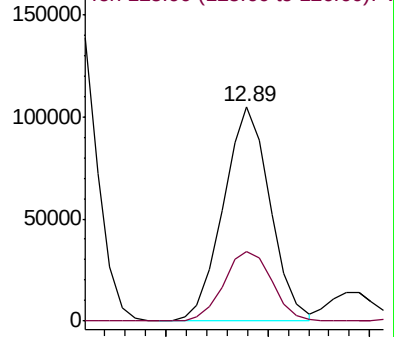
91 100

126 33.8 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: 19.396 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW013033.D

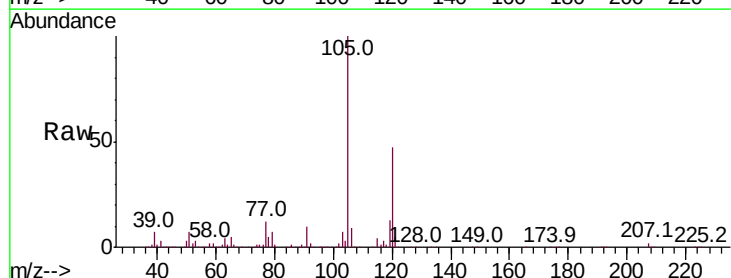
Acq: 16 Sep 2019 11:40

Tgt Ion:105 Resp: 212925

Ion Ratio Lower Upper

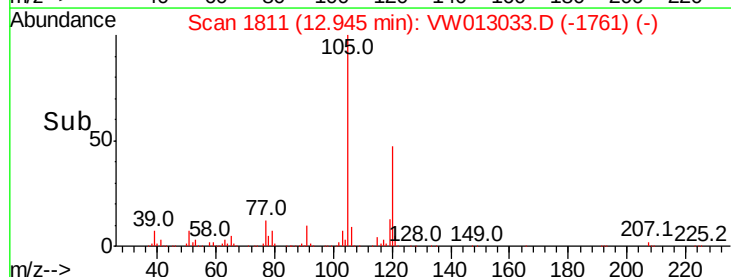
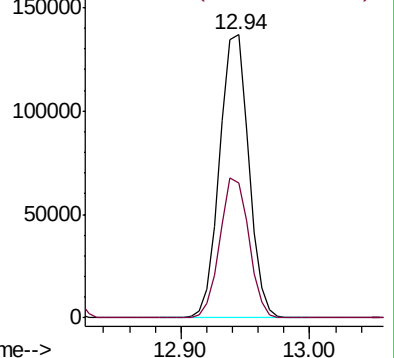
105 100

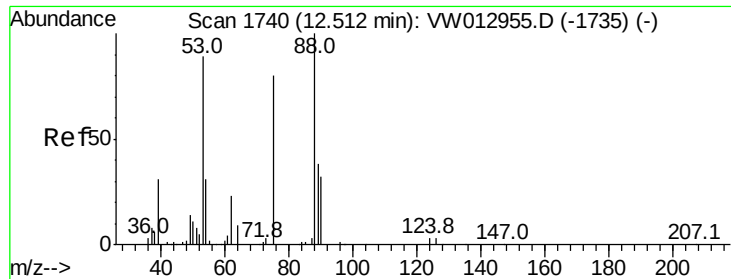
120 49.2 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

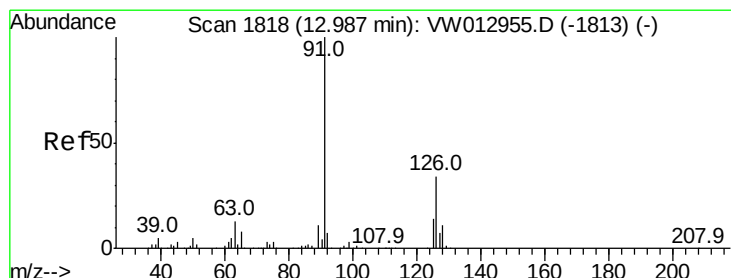
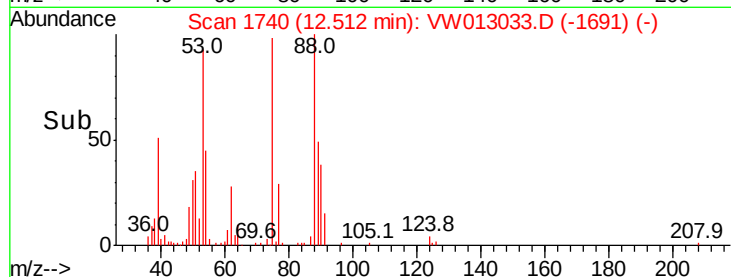
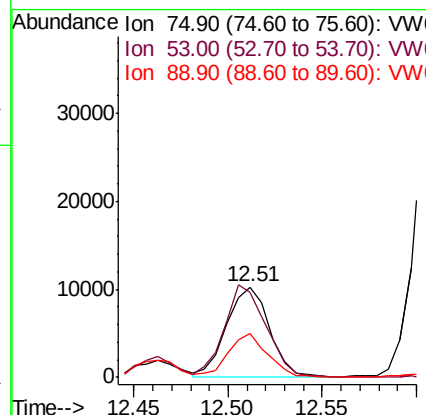
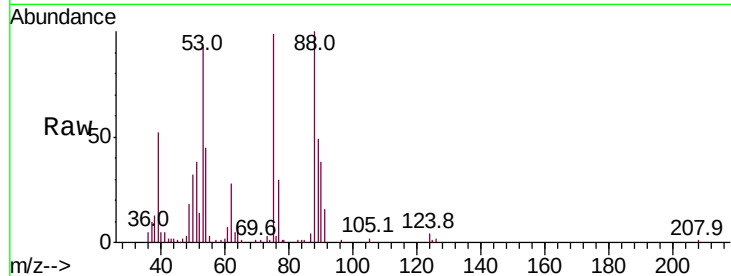




#81
trans-1,4-Dichloro-2-butene
Concen: 21.397 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013033.D
Acq: 16 Sep 2019 11:40

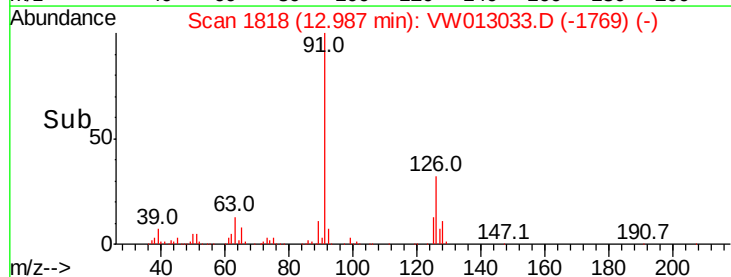
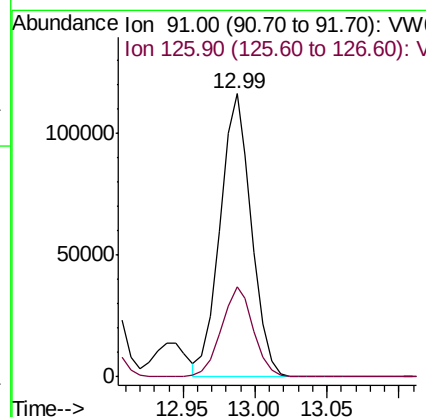
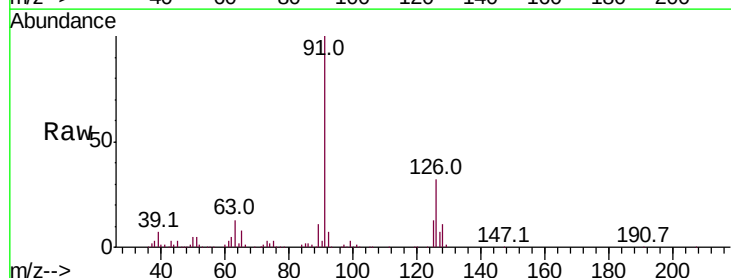
Instrument :
MSVOA_W
ClientSampleId :

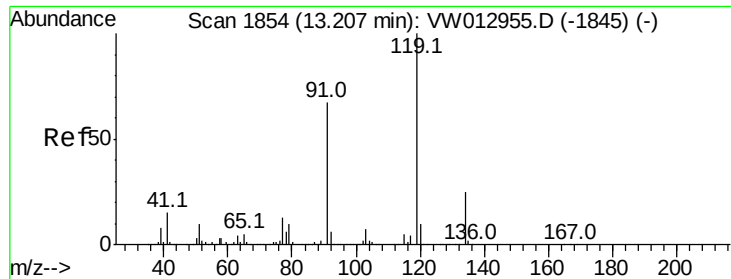
Tot Ion: 75 Resp: 16174
Ion Ratio Lower Upper
75 100
53 100.8 85.6 128.4
89 44.7 37.2 55.8



#82
4-Chlorotoluene
Concen: 19.055 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013033.D
Acq: 16 Sep 2019 11:40

Tgt Ion: 91 Resp: 176408
Ion Ratio Lower Upper
91 100
126 32.4 16.1 48.3





#83

tert-Butylbenzene

Concen: 19.544 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

Instrument :

MSVOA_W

ClientSampleId :

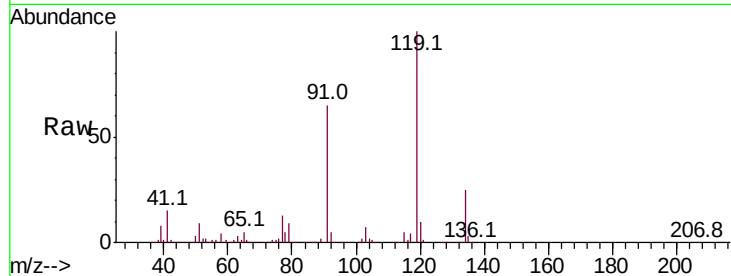
Tot Ion:119 Resp: 191904

Ion Ratio Lower Upper

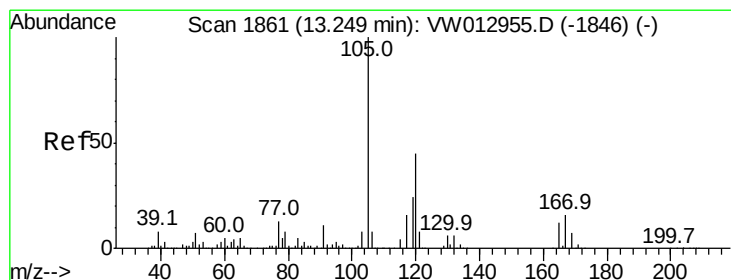
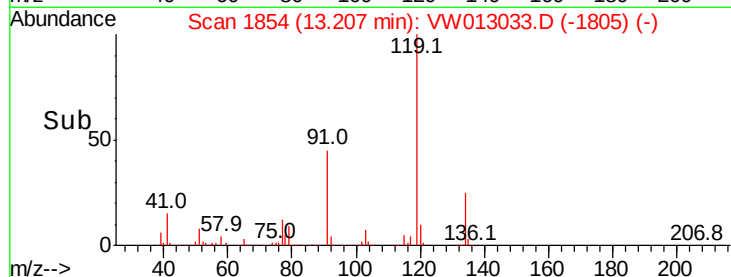
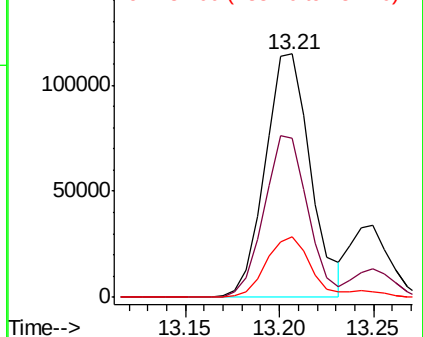
119 100

91 63.8 32.6 98.0

134 24.4 12.4 37.4



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



#84

1,2,4-Trimethylbenzene

Concen: 19.344 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VW013033.D

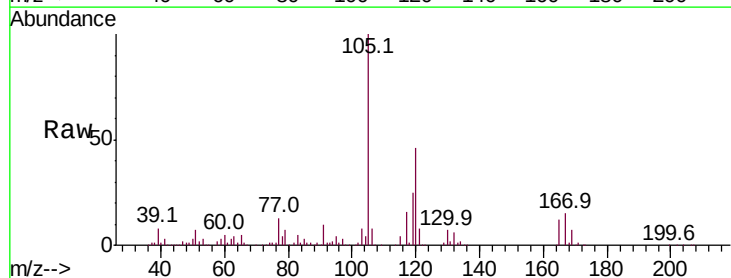
Acq: 16 Sep 2019 11:40

Tgt Ion:105 Resp: 209840

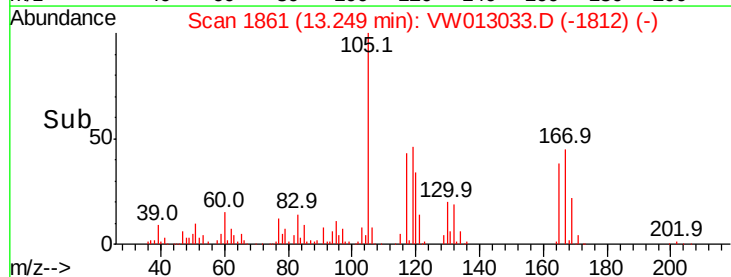
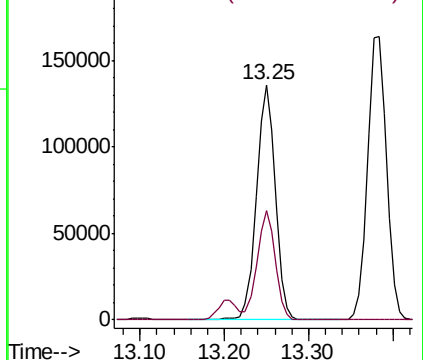
Ion Ratio Lower Upper

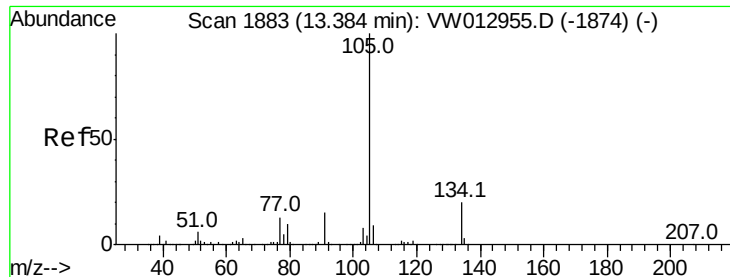
105 100

120 44.2 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: 19.263 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

Instrument :

MSVOA_W

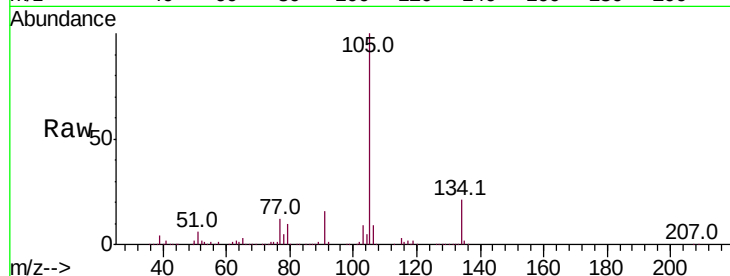
ClientSampleId :

Tot Ion:105 Resp: 257708

Ion Ratio Lower Upper

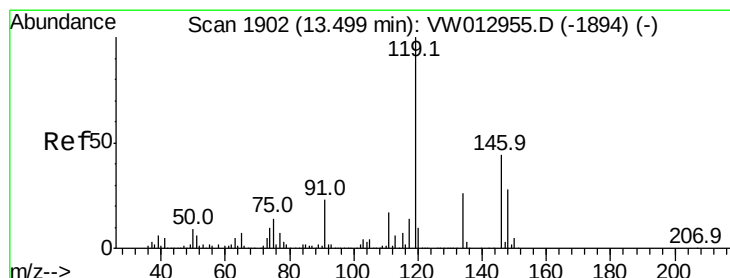
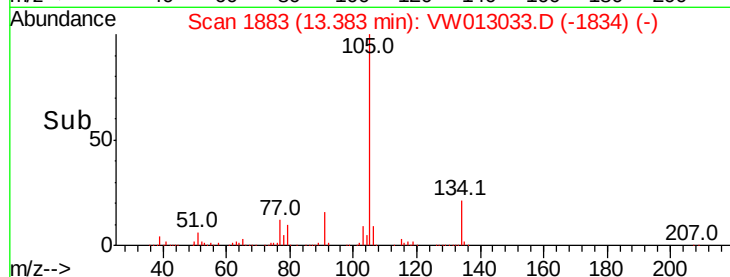
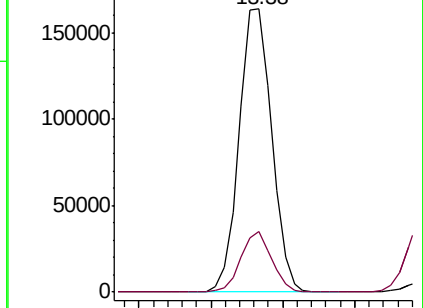
105 100

134 20.1 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.403 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

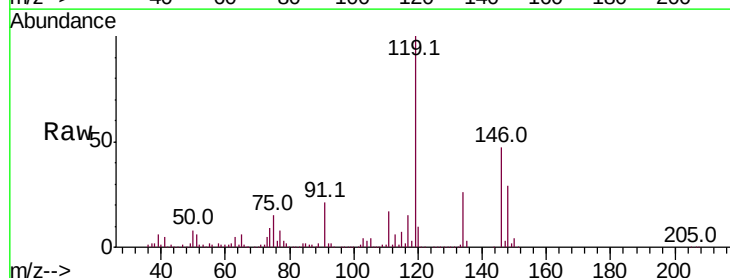
Tgt Ion:119 Resp: 238322

Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.3

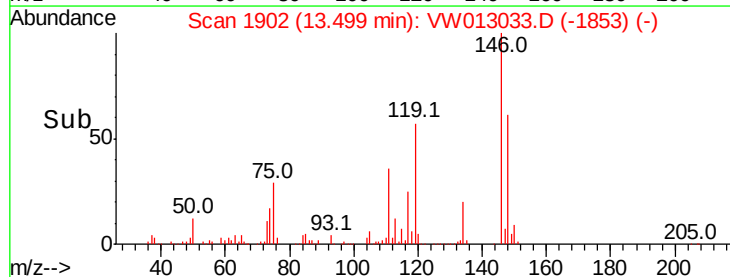
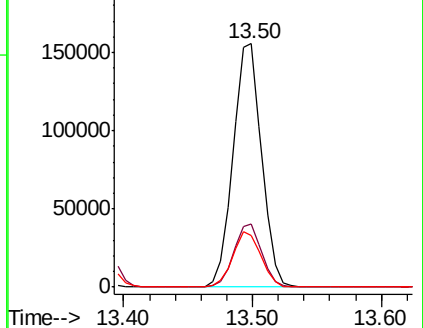
91 22.8 11.8 35.4

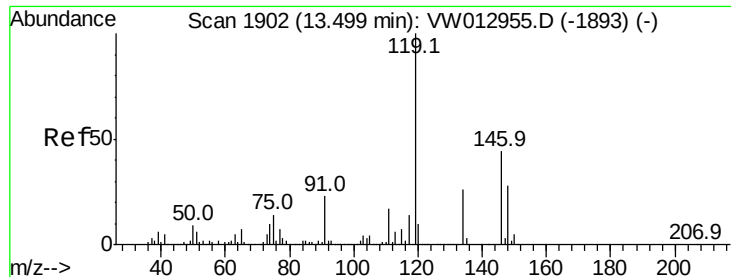


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.379 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

Instrument :

MSVOA_W

ClientSampled :

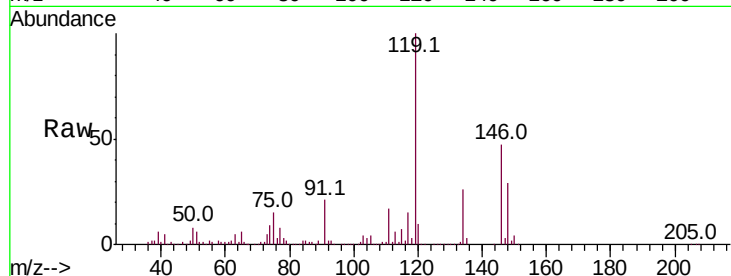
Tot Ion:146 Resp: 114679

Ion Ratio Lower Upper

146 100

111 38.5 19.8 59.4

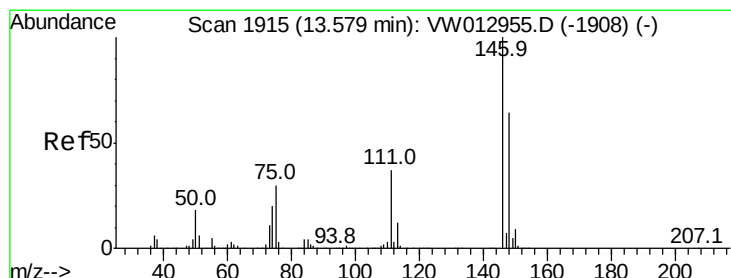
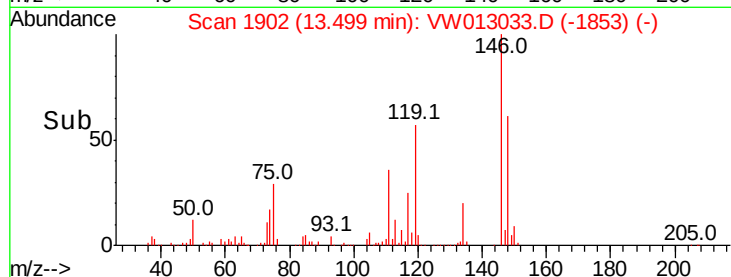
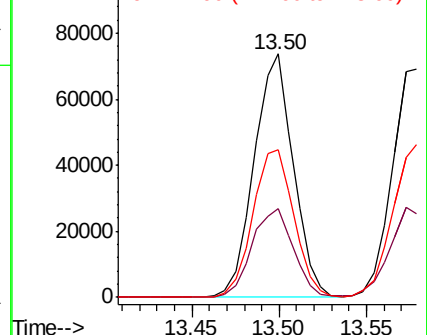
148 63.5 31.9 95.7



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: 19.396 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

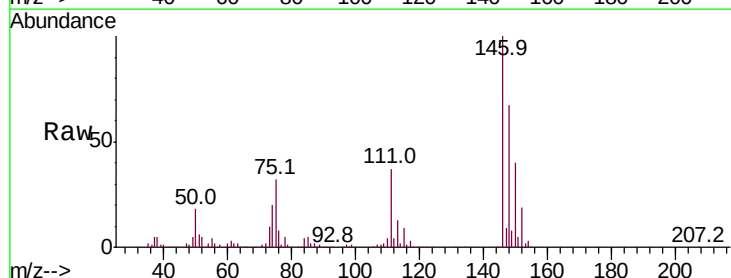
Tgt Ion:146 Resp: 112793

Ion Ratio Lower Upper

146 100

111 40.0 19.4 58.2

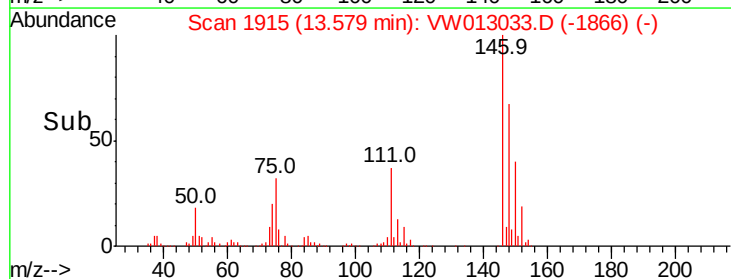
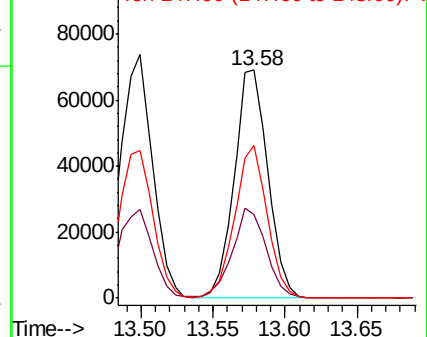
148 64.4 31.9 95.5

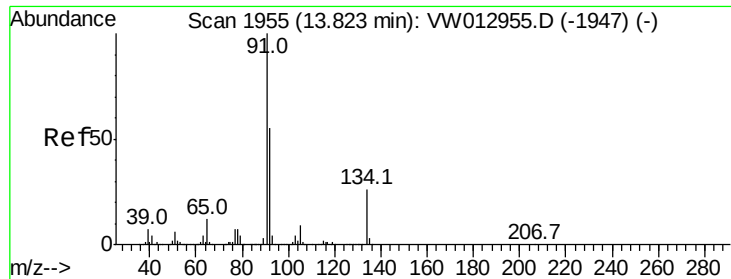


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 19.307 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

Instrument :

MSVOA_W

ClientSampled :

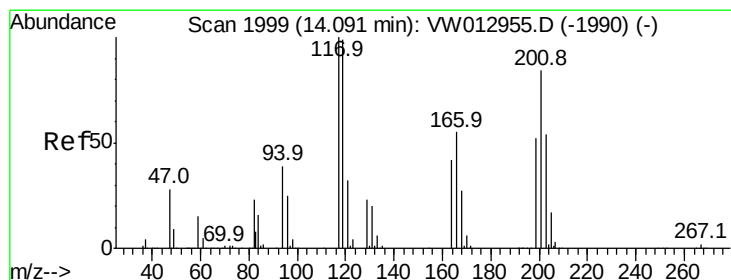
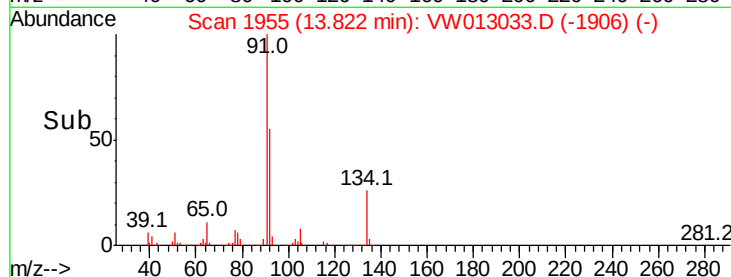
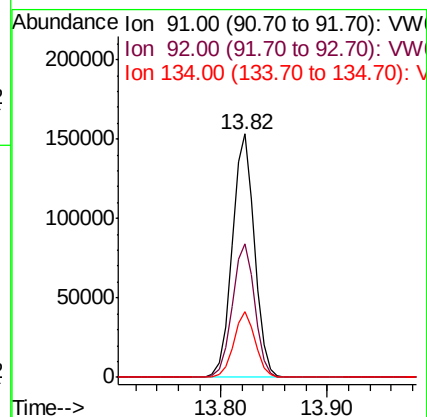
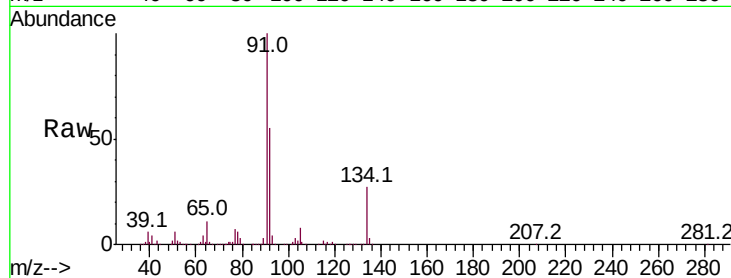
Tot Ion: 91 Resp: 223642

Ion Ratio Lower Upper

91 100

92 55.4 27.2 81.5

134 26.2 13.1 39.1



#90

Hexachloroethane

Concen: 17.832 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW013033.D

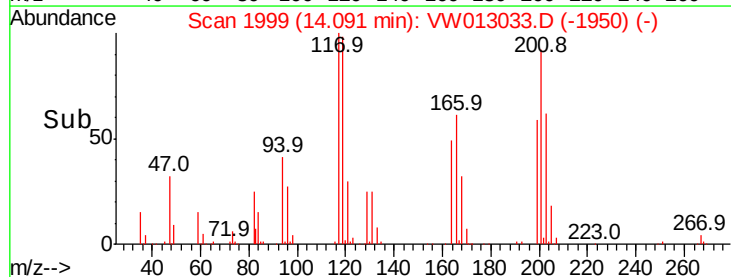
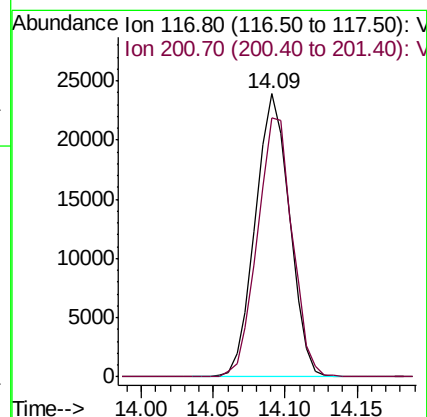
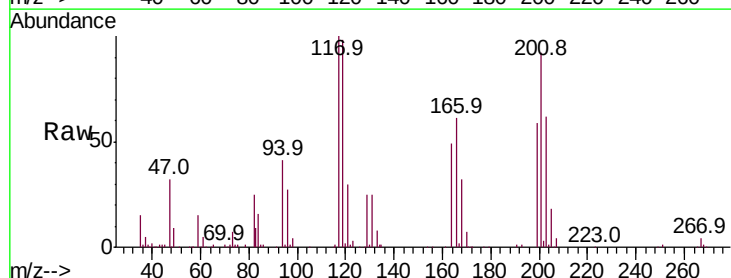
Acq: 16 Sep 2019 11:40

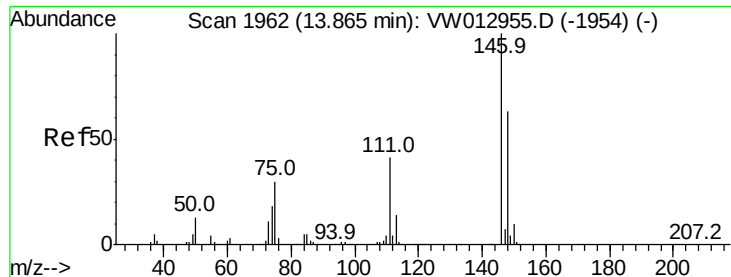
Tgt Ion: 117 Resp: 39250

Ion Ratio Lower Upper

117 100

201 93.3 45.3 135.9

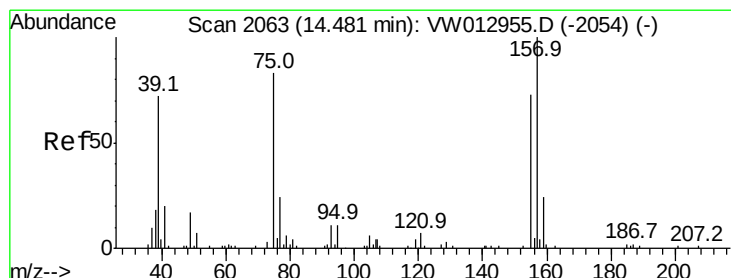
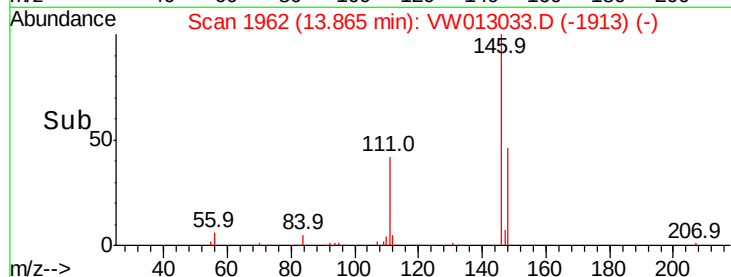
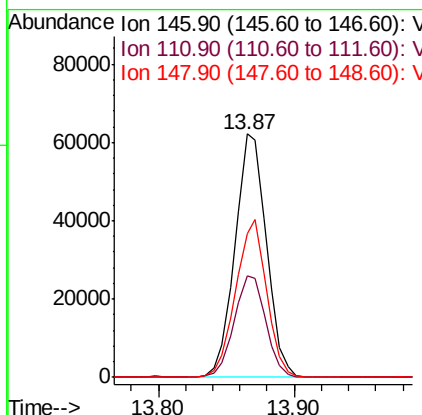
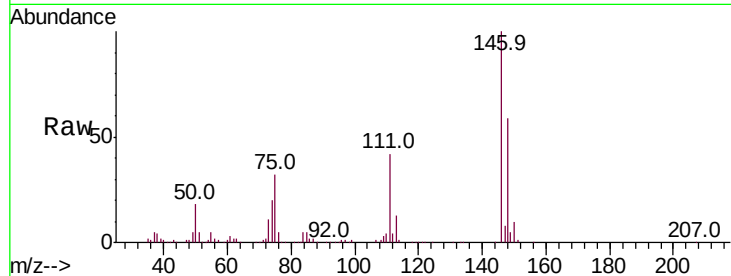




#91
 1,2-Dichlorobenzene
 Concen: 19.262 ug/l
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.00 min
 Lab File: VW013033.D
 Acq: 16 Sep 2019 11:40

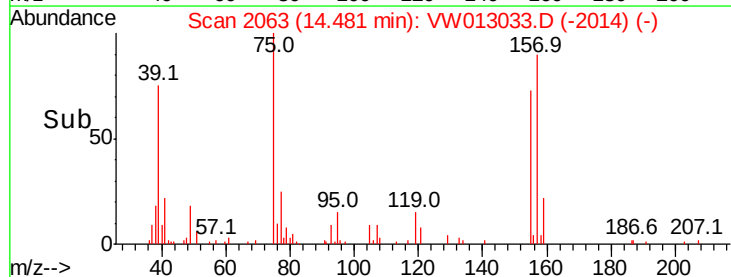
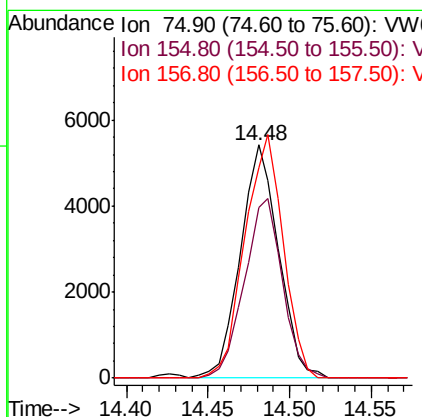
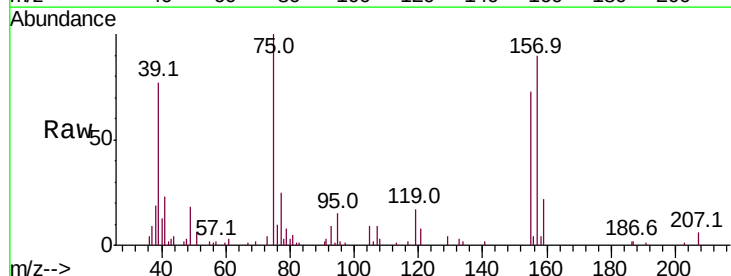
Instrument :
 MSVOA_W
 ClientSampleId :

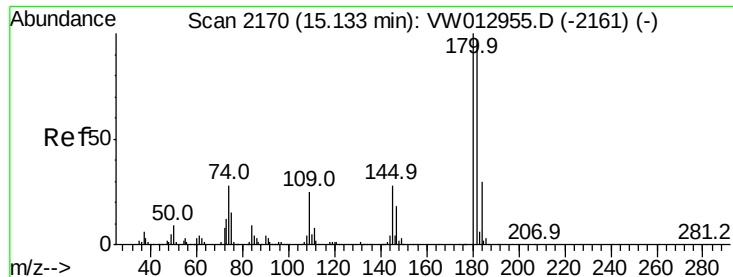
Tot Ion:146 Resp: 100242
 Ion Ratio Lower Upper
 146 100
 111 42.0 20.8 62.5
 148 63.3 32.7 98.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.234 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW013033.D
 Acq: 16 Sep 2019 11:40

Tgt Ion: 75 Resp: 8858
 Ion Ratio Lower Upper
 75 100
 155 76.8 43.3 129.9
 157 104.4 54.7 164.1

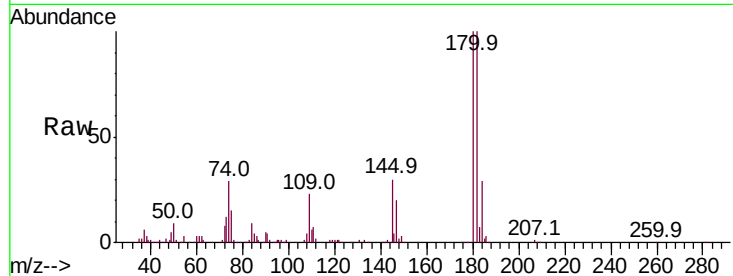




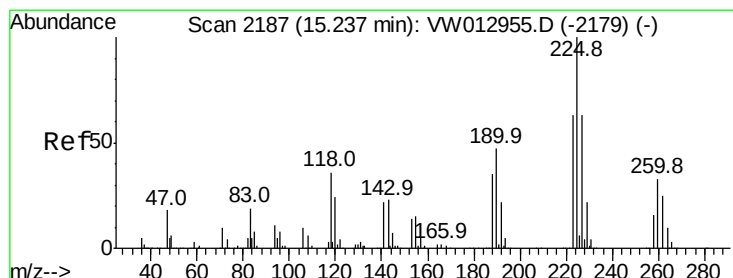
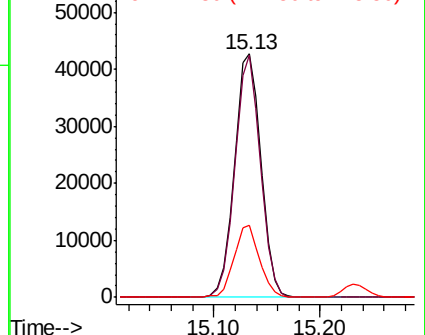
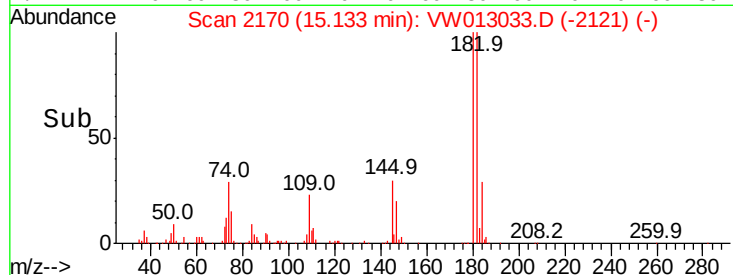
#93
 1,2,4-Trichlorobenzene
 Concen: 20.025 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013033.D
 Acq: 16 Sep 2019 11:40

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.4	142.2
145	28.6	14.9	44.7

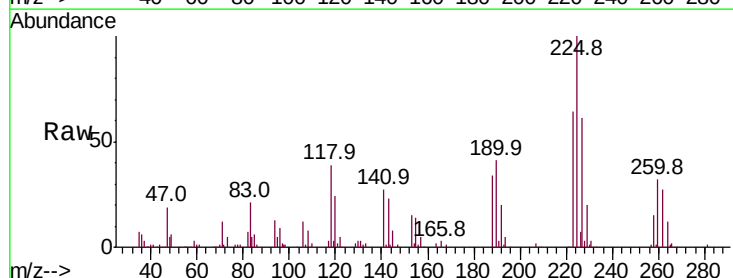


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

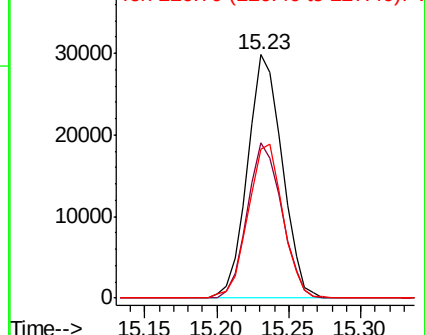
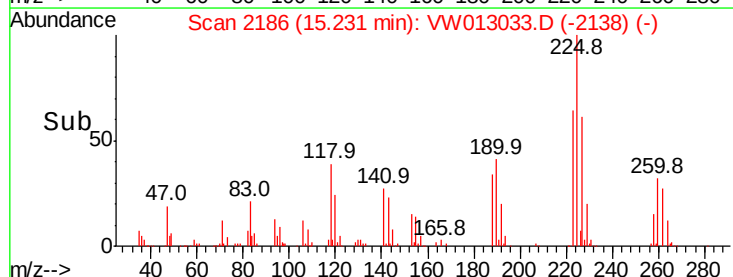


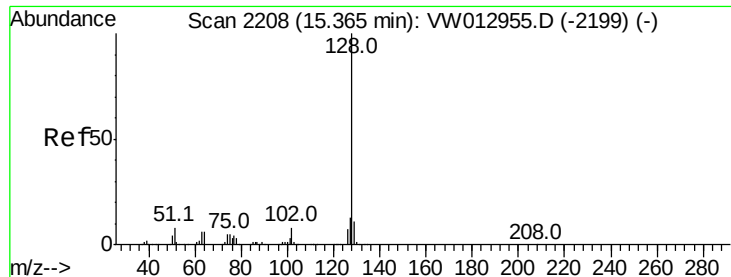
#94
 Hexachlorobutadiene
 Concen: 18.851 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VW013033.D
 Acq: 16 Sep 2019 11:40

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	31.8	95.3
227	63.4	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: 21.219 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

Instrument :

MSVOA_W

ClientSampleId :

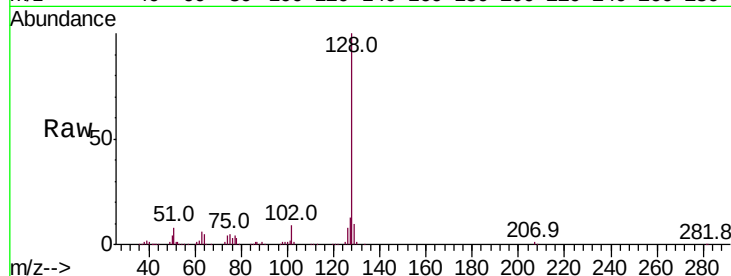
Tot Ion:128 Resp: 131583

Ion Ratio Lower Upper

128 100

127 14.1 11.0 16.6

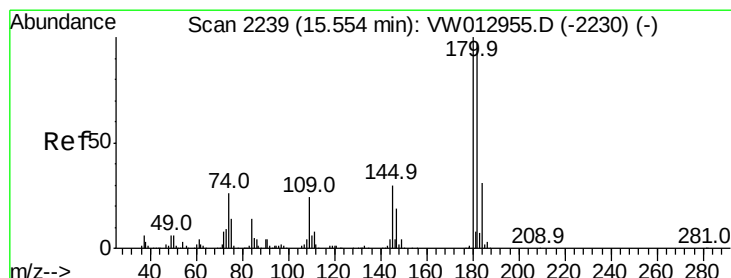
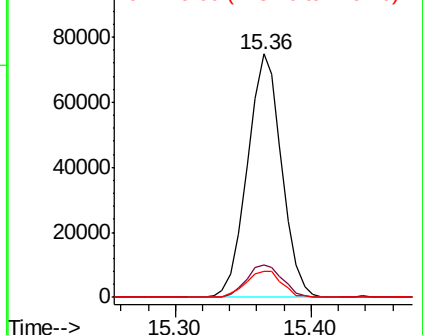
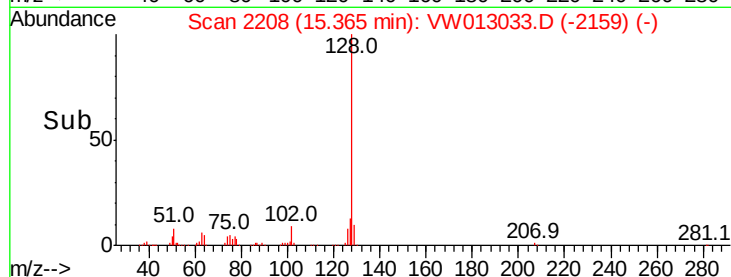
129 11.4 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.864 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

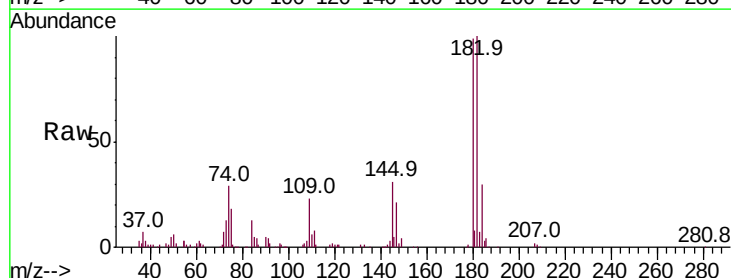
Tgt Ion:180 Resp: 65169

Ion Ratio Lower Upper

180 100

182 96.1 47.6 142.8

145 30.8 15.4 46.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

