

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031319\
 Data File : VW009156.D
 Acq On : 13 Mar 2019 15:35
 Operator : SY/VA
 Sample : VW0313SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 14 05:21:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	287918	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	410002	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	387133	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	212970	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	132838	45.86	ug/l	0.00
Spiked Amount			Recovery	=	91.72%	
35) Dibromofluoromethane	7.88	113	117203	47.48	ug/l	0.00
Spiked Amount			Recovery	=	94.96%	
50) Toluene-d8	10.32	98	494909	48.81	ug/l	0.00
Spiked Amount			Recovery	=	97.62%	
62) 4-Bromofluorobenzene	12.62	95	184110	46.13	ug/l	0.00
Spiked Amount			Recovery	=	92.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	63737	21.966	ug/l	97
3) Chloromethane	2.21	50	76011	20.621	ug/l	97
4) Vinyl Chloride	2.35	62	76013	20.320	ug/l	99
5) Bromomethane	2.76	94	82090	25.997	ug/l	100
6) Chloroethane	2.92	64	53555	20.110	ug/l	98
7) Trichlorofluoromethane	3.26	101	103244	21.435	ug/l	95
8) Diethyl Ether	3.68	74	28787	19.547	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	62288	20.764	ug/l	99
10) Methyl Iodide	4.28	142	48032	17.007	ug/l	98
11) Tert butyl alcohol	5.19	59	16681	75.147	ug/l #	94
12) 1,1-Dichloroethene	4.04	96	54437	21.038	ug/l	94
13) Acrolein	3.90	56	17574	71.946	ug/l	91
14) Allyl chloride	4.67	41	94294	20.659	ug/l	96
15) Acrylonitrile	5.38	53	57324	89.182	ug/l	99
16) Acetone	4.13	43	59200	90.565	ug/l	91
17) Carbon Disulfide	4.37	76	170499	19.584	ug/l	99
18) Methyl Acetate	4.67	43	25576	17.015	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	132889	19.414	ug/l	95
20) Methylene Chloride	4.91	84	63800	17.187	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	61469	20.573	ug/l	93
22) Diisopropyl ether	6.31	45	185420	20.442	ug/l	96
23) Vinyl Acetate	6.26	43	543098	96.215	ug/l	99
24) 1,1-Dichloroethane	6.21	63	109025	20.722	ug/l	99
25) 2-Butanone	7.18	43	78694	87.110	ug/l	93
26) 2,2-Dichloropropane	7.17	77	103934	21.733	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	64597	20.131	ug/l	96
28) Bromochloromethane	7.51	49	43529	19.891	ug/l	95
29) Tetrahydrofuran	7.53	42	48718	85.576	ug/l	98
30) Chloroform	7.67	83	108954	20.115	ug/l	100
31) Cyclohexane	7.95	56	114672	21.227	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	104945	20.994	ug/l	99
36) 1,1-Dichloropropene	8.08	75	93362	21.778	ug/l	98
37) Ethyl Acetate	7.26	43	33057	16.416	ug/l	97
38) Carbon Tetrachloride	8.07	117	97301	21.977	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031319\
 Data File : VW009156.D
 Acq On : 13 Mar 2019 15:35
 Operator : SY/VA
 Sample : VW0313SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 14 05:21:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	107825	21.116	ug/l	97
40) Benzene	8.32	78	239391	20.918	ug/l	96
41) Methacrylonitrile	7.49	41	20381	18.226	ug/l	92
42) 1,2-Dichloroethane	8.40	62	73586	19.917	ug/l	100
43) Isopropyl Acetate	8.43	43	67999	18.131	ug/l	96
44) Trichloroethene	9.09	130	66130	20.617	ug/l	96
45) 1,2-Dichloropropane	9.37	63	60472	21.098	ug/l	97
46) Dibromomethane	9.46	93	30716	19.622	ug/l	97
47) Bromodichloromethane	9.64	83	81181	20.487	ug/l	98
48) Methyl methacrylate	9.44	41	34415	19.707	ug/l	97
49) 1,4-Dioxane	9.47	88	7875	351.317	ug/l #	76
51) 4-Methyl-2-Pentanone	10.21	43	171401	90.023	ug/l	99
52) Toluene	10.38	92	163423	21.056	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	77577	19.795	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	91937	20.414	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	42132	19.858	ug/l	98
56) Ethyl methacrylate	10.65	69	47711	18.119	ug/l	98
57) 1,3-Dichloropropane	10.93	76	73337	19.512	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	127522	93.419	ug/l	99
59) 2-Hexanone	10.97	43	120837	90.268	ug/l	99
60) Dibromochloromethane	11.13	129	50879	19.378	ug/l	100
61) 1,2-Dibromoethane	11.23	107	38416	18.470	ug/l	94
64) Tetrachloroethene	10.86	164	58295	20.881	ug/l	98
65) Chlorobenzene	11.66	112	177343	21.046	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	57523	20.445	ug/l	98
67) Ethyl Benzene	11.73	91	318966	20.953	ug/l	98
68) m/p-Xylenes	11.84	106	253812	42.241	ug/l	100
69) o-Xylene	12.17	106	115487	20.657	ug/l	99
70) Styrene	12.18	104	182846	20.214	ug/l	98
71) Bromoform	12.35	173	28543	18.894	ug/l #	97
73) Isopropylbenzene	12.46	105	327822	21.495	ug/l	100
74) N-amyl acetate	12.27	43	66970	18.549	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	46049	19.141	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	64370	38.255	ug/l	25
77) Bromobenzene	12.75	156	70527	20.239	ug/l	100
78) n-propylbenzene	12.80	91	406291	21.628	ug/l	99
79) 2-Chlorotoluene	12.90	91	225965	21.409	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	271721	20.669	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	13190	17.534	ug/l	93
82) 4-Chlorotoluene	12.99	91	237798	21.136	ug/l	98
83) tert-Butylbenzene	13.21	119	246544	22.237	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	279540	21.021	ug/l	99
85) sec-Butylbenzene	13.38	105	356495	21.702	ug/l	100
86) p-Isopropyltoluene	13.50	119	310411	21.123	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	152592	20.837	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	149013	20.590	ug/l	99
89) n-Butylbenzene	13.83	91	293605	21.016	ug/l	99
90) Hexachloroethane	14.10	117	54882	21.654	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	133336	20.636	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7945	18.543	ug/l	98

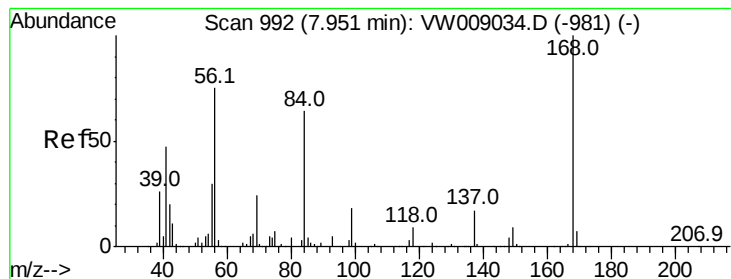
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW031319\
Data File : VW009156.D
Acq On : 13 Mar 2019 15:35
Operator : SY/VA
Sample : VW0313SBS01
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Mar 14 05:21:24 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 08 05:22:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	83822	19.209	ug/l	99
94) Hexachlorobutadiene	15.24	225	58934	21.562	ug/l	98
95) Naphthalene	15.37	128	124751	17.465	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	70740	18.436	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

Instrument :

MSVOA_W

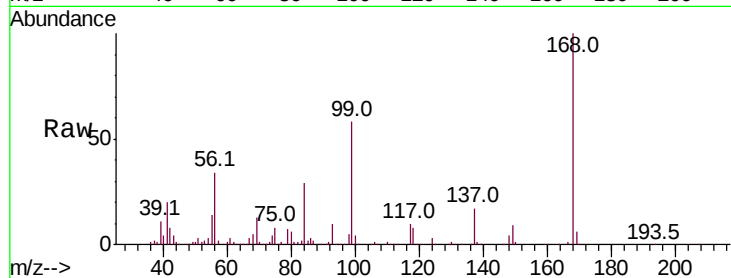
ClientSampleId :

Tot Ion:168 Resp: 287918

Ion Ratio Lower Upper

168 100

99 57.9 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

150000

100000

50000

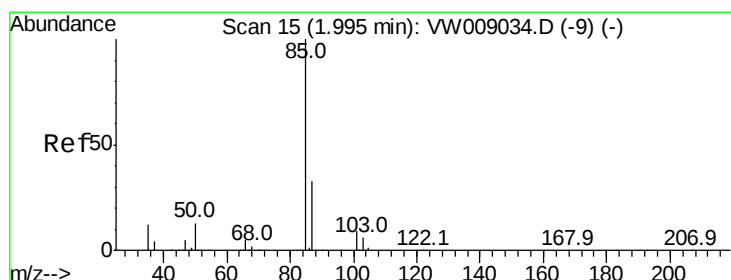
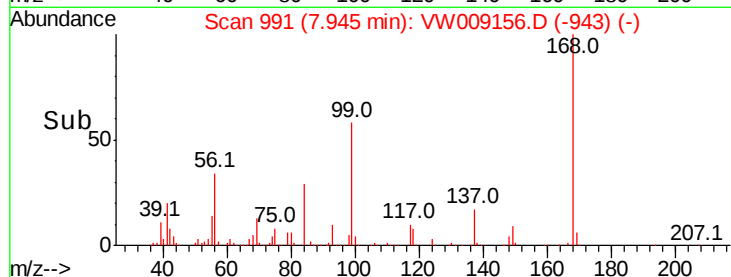
0

7.95

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 21.966 ug/l

RT: 2.00 min Scan# 15

Delta R.T. 0.00 min

Lab File: VW009156.D

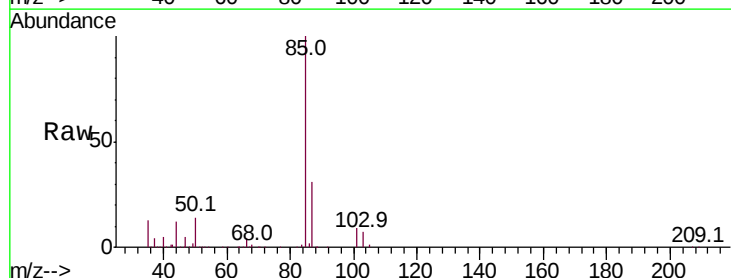
Acq: 13 Mar 2019 15:35

Tgt Ion: 85 Resp: 63737

Ion Ratio Lower Upper

85 100

87 31.1 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

40000

30000

20000

10000

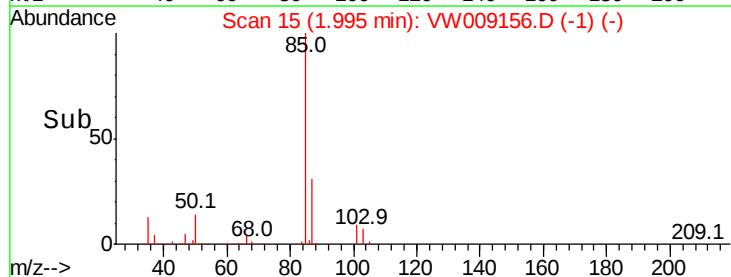
0

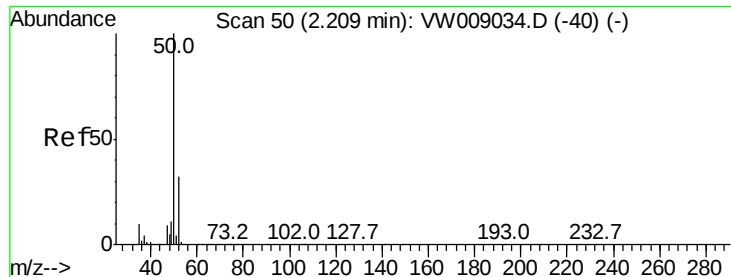
2.00

1.90

2.10

Time-->





#3

Chloromethane

Concen: 20.621 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

Instrument :

MSVOA_W

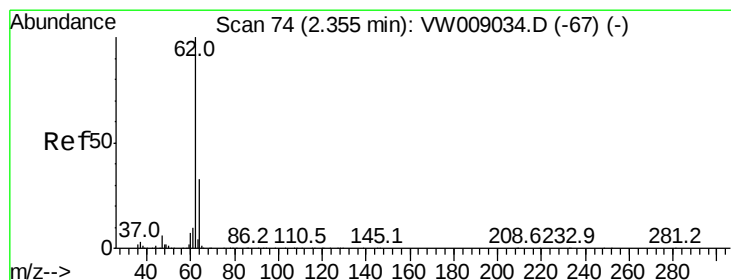
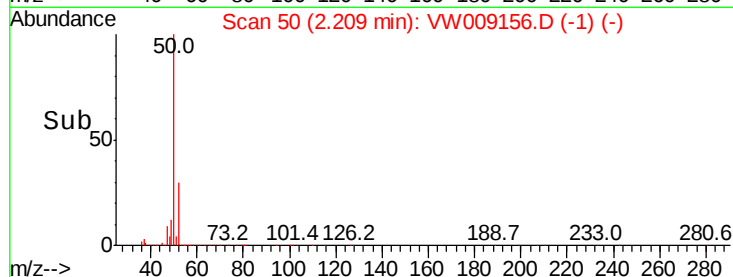
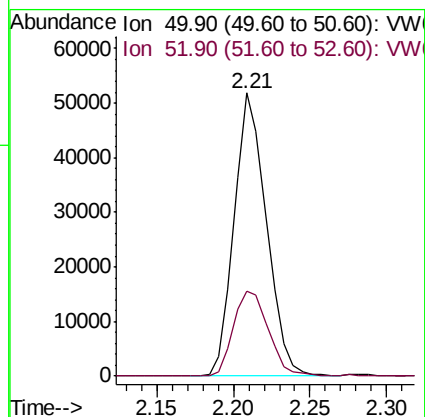
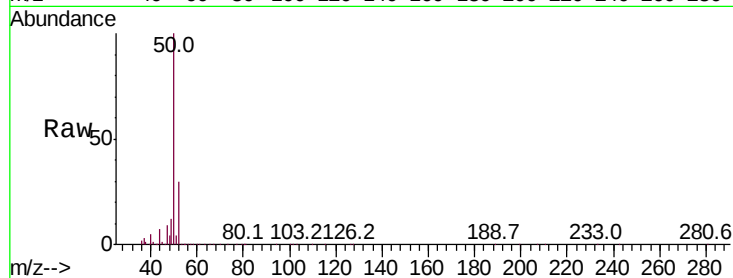
ClientSampleId :

Tot Ion: 50 Resp: 76011

Ion Ratio Lower Upper

50 100

52 30.1 25.4 38.2



#4

Vinyl Chloride

Concen: 20.320 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW009156.D

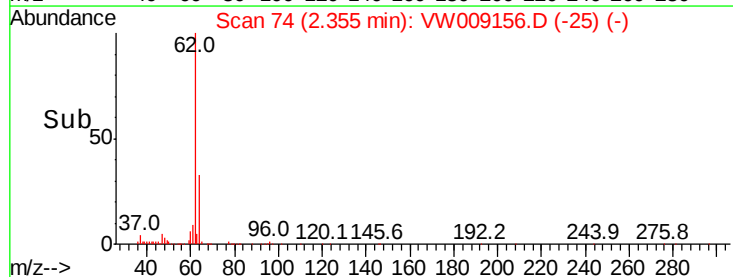
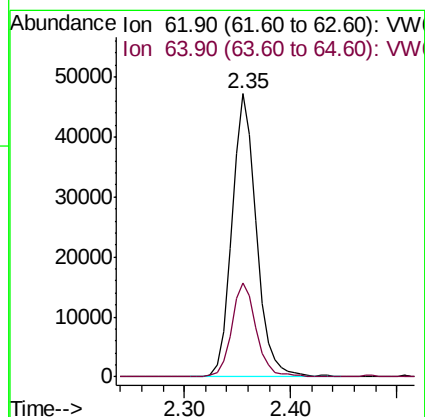
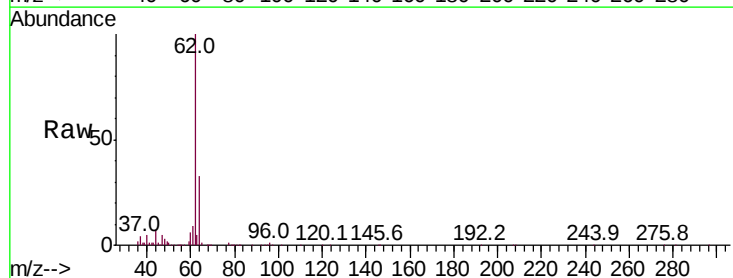
Acq: 13 Mar 2019 15:35

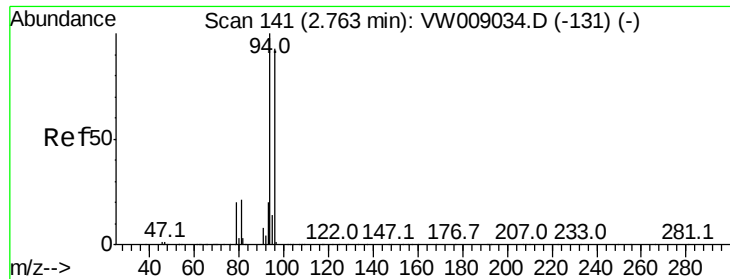
Tgt Ion: 62 Resp: 76013

Ion Ratio Lower Upper

62 100

64 33.0 26.0 39.0





#5

Bromomethane

Concen: 25.997 ug/l

RT: 2.76 min Scan# 141

Delta R.T. 0.00 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

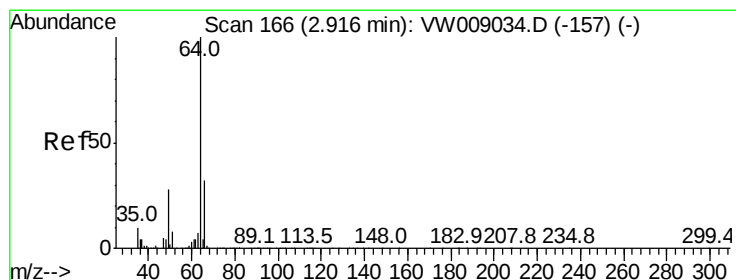
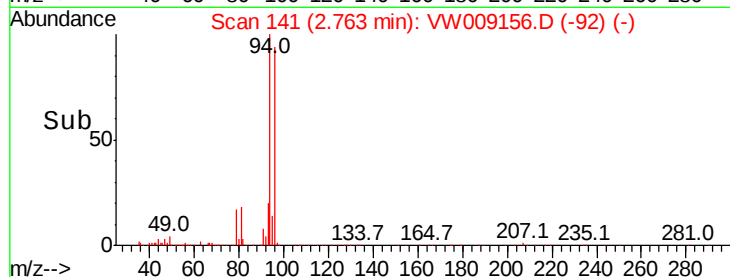
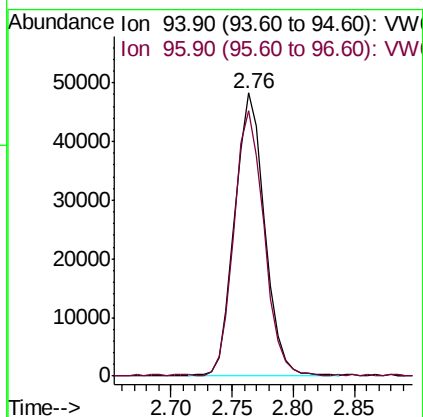
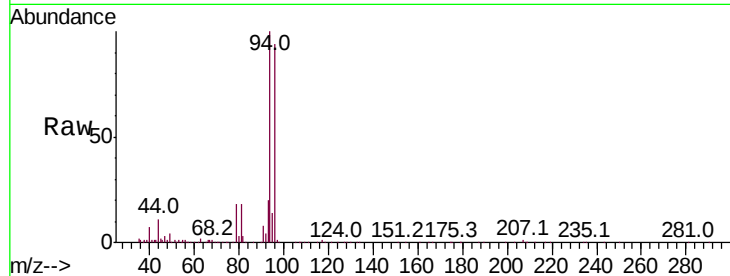
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 94 Resp: 82090

Ion Ratio Lower Upper

94 100

96 93.1 74.4 111.6



#6

Chloroethane

Concen: 20.110 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW009156.D

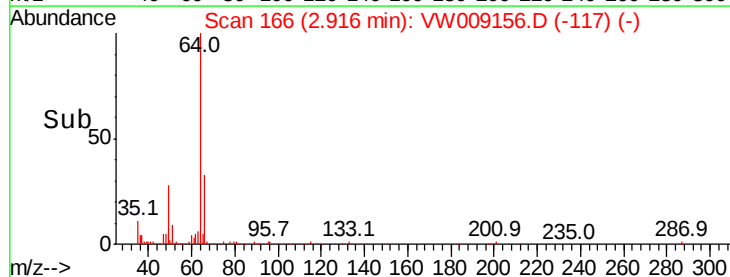
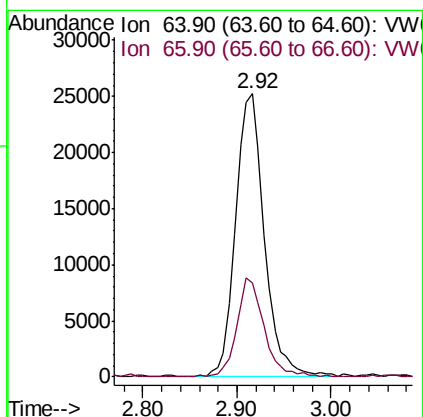
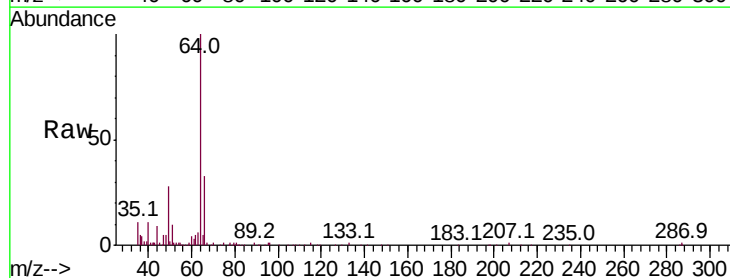
Acq: 13 Mar 2019 15:35

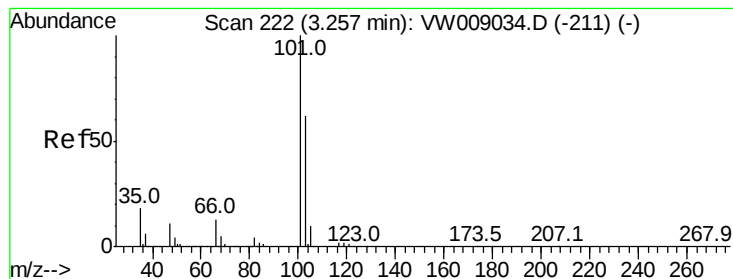
Tgt Ion: 64 Resp: 53555

Ion Ratio Lower Upper

64 100

66 33.2 25.5 38.3



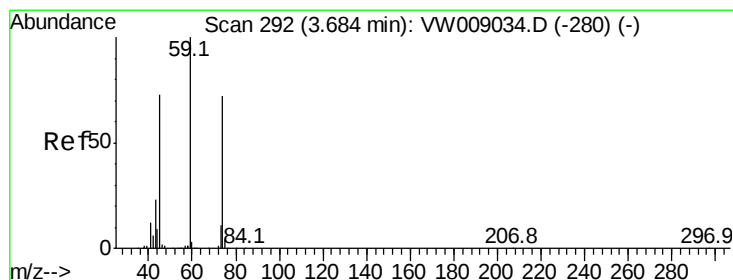
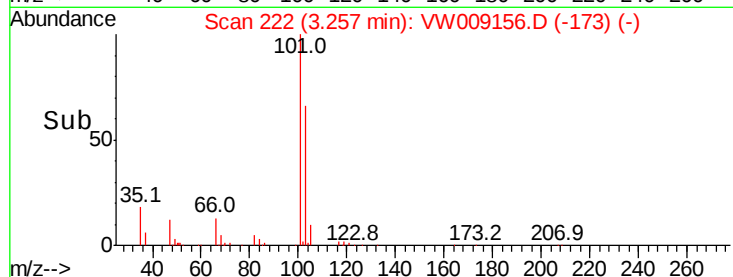
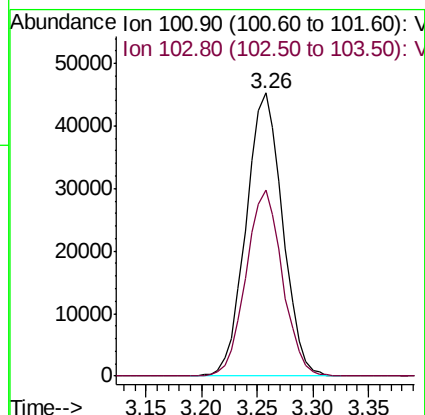
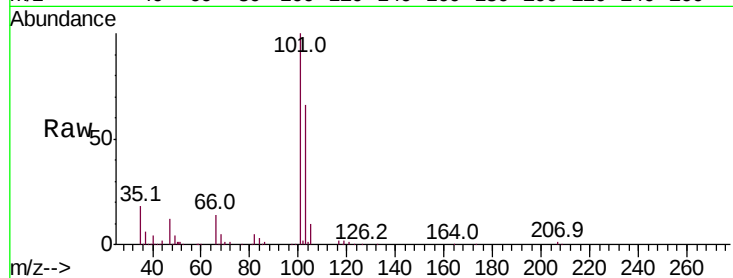


#7

Trichlorofluoromethane
 Concen: 21.435 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW009156.D
 Acq: 13 Mar 2019 15:35

Instrument :
 MSVOA_W
 ClientSampled :

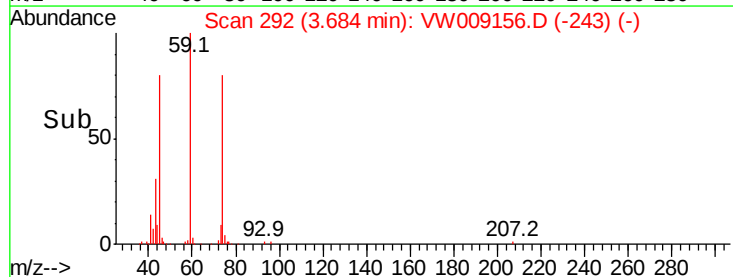
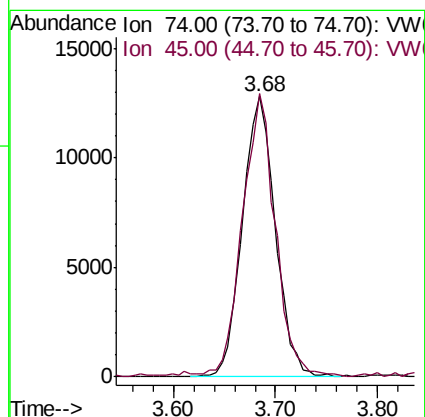
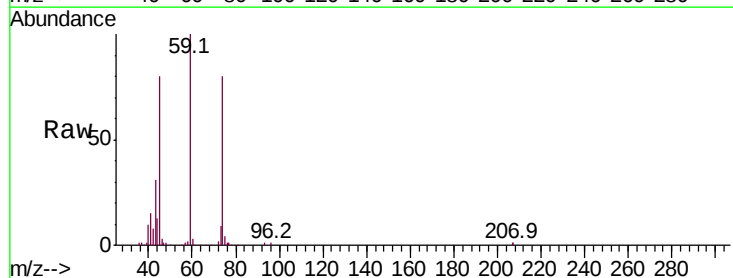
Tot Ion:101 Resp: 103244
 Ion Ratio Lower Upper
 101 100
 103 65.9 49.9 74.9

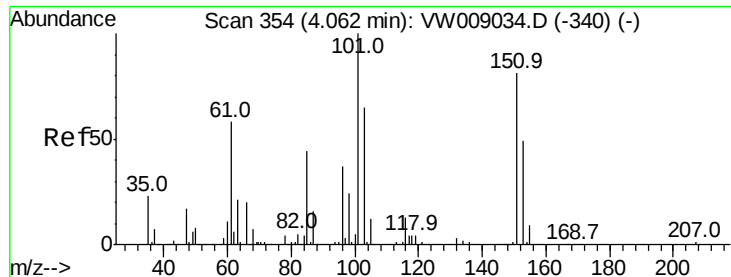


#8

Diethyl Ether
 Concen: 19.547 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW009156.D
 Acq: 13 Mar 2019 15:35

Tgt Ion: 74 Resp: 28787
 Ion Ratio Lower Upper
 74 100
 45 101.1 52.3 157.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.764 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

Instrument :

MSVOA_W

ClientSampled :

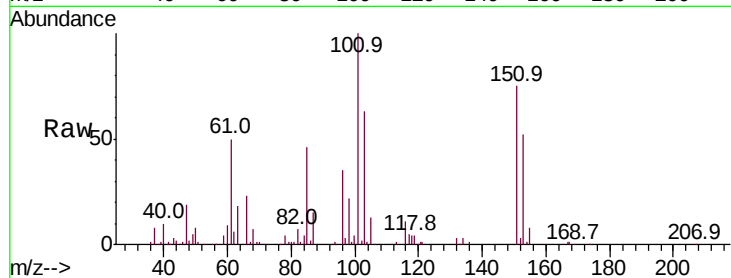
Tot Ion:101 Resp: 62288

Ion Ratio Lower Upper

101 100

85 47.6 36.2 54.4

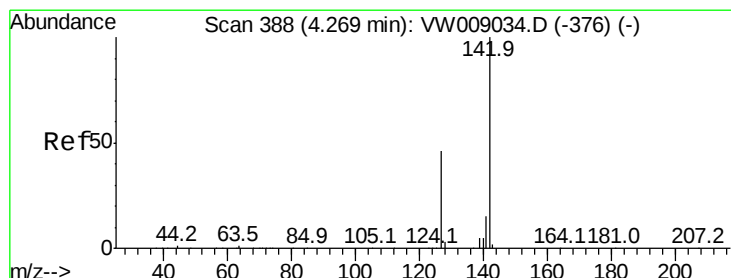
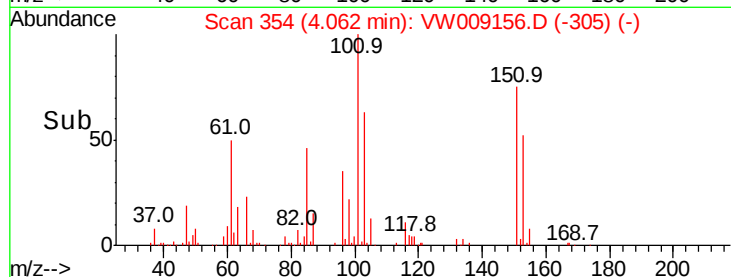
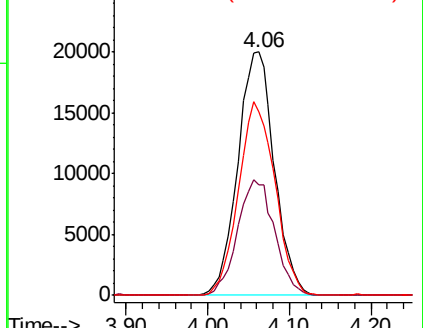
151 79.4 63.4 95.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.007 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.01 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

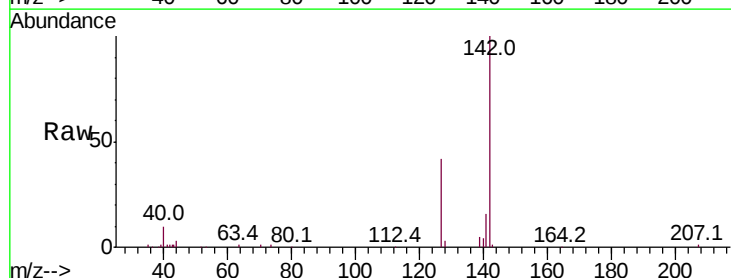
Tgt Ion:142 Resp: 48032

Ion Ratio Lower Upper

142 100

127 46.2 35.8 53.6

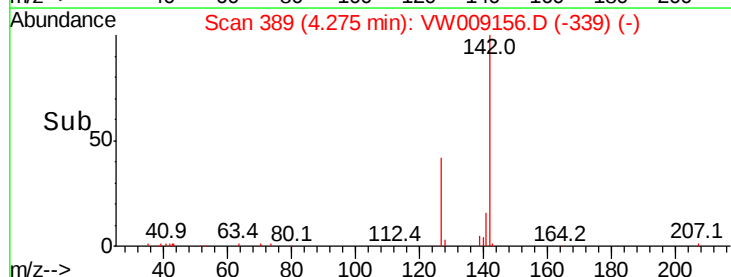
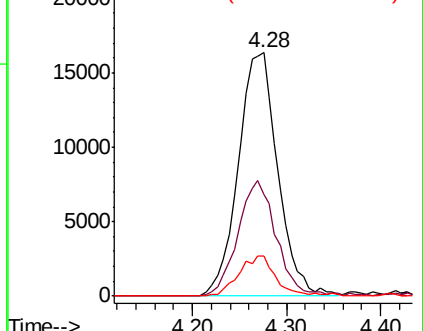
141 15.5 11.8 17.8

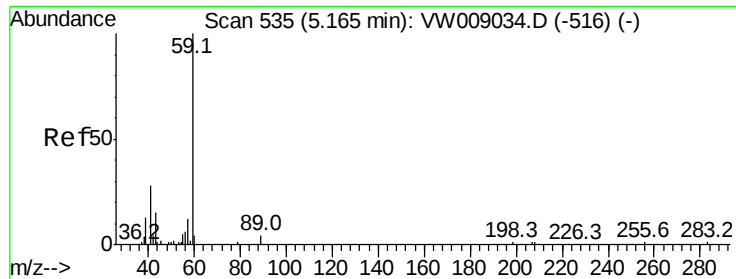


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



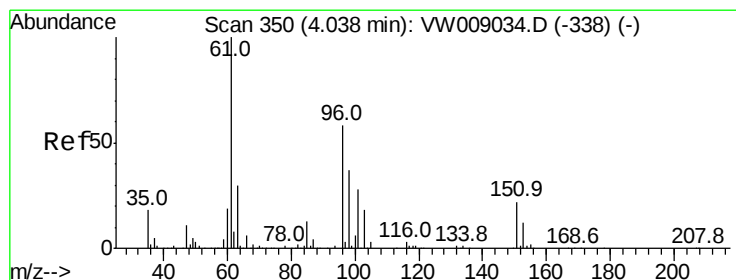
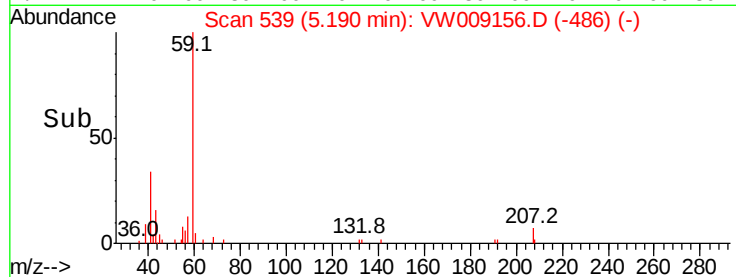
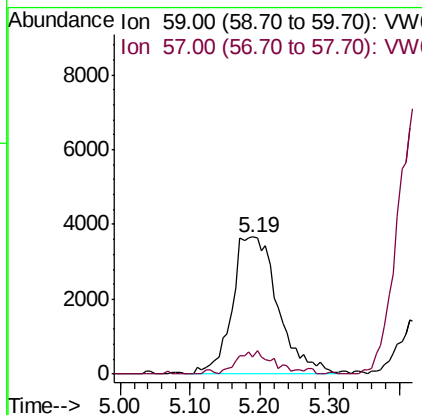
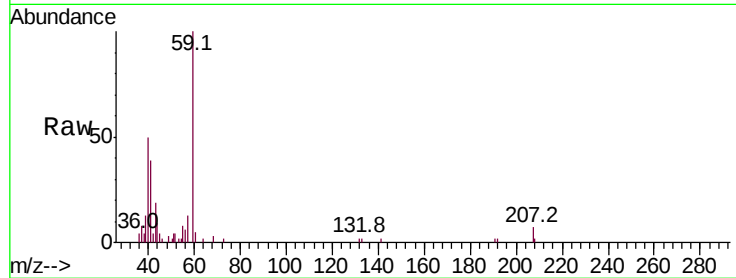


#11

Tert butyl alcohol
 Concen: 75.147 ug/l
 RT: 5.19 min Scan# 539
 Delta R.T. 0.02 min
 Lab File: VW009156.D
 Acq: 13 Mar 2019 15:35

Instrument :
 MSVOA_W
 ClientSampled :

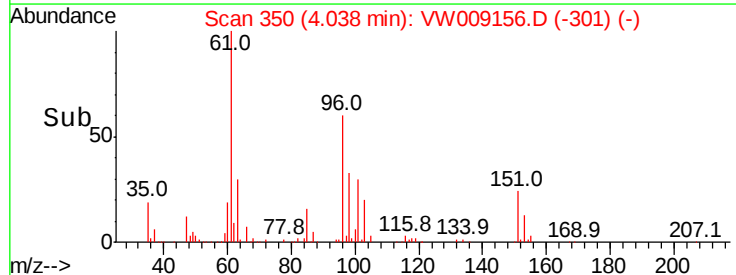
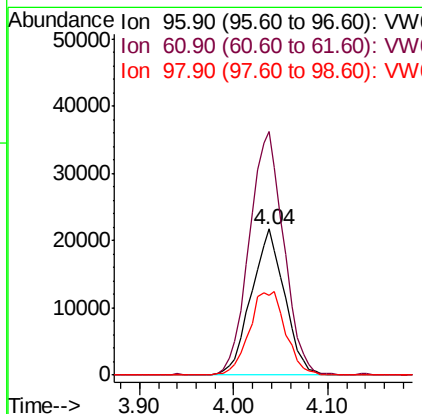
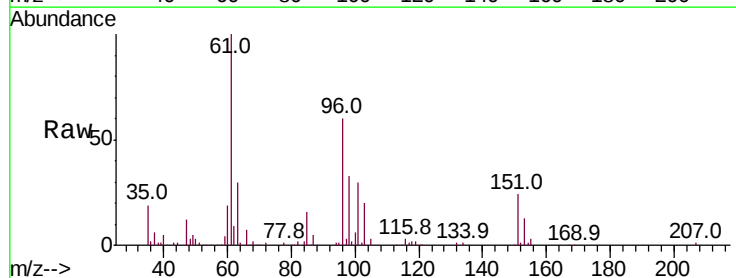
Tot Ion: 59 Resp: 16681
 Ion Ratio Lower Upper
 59 100
 57 13.1 8.6 12.8#

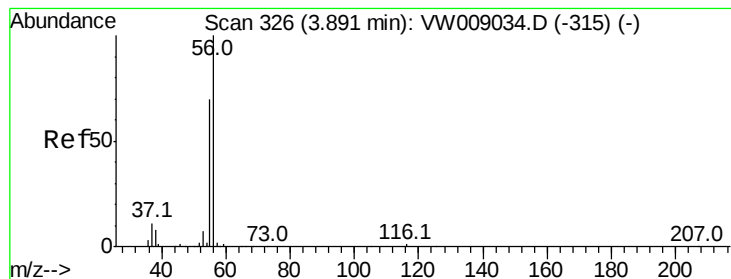


#12

1,1-Dichloroethene
 Concen: 21.038 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW009156.D
 Acq: 13 Mar 2019 15:35

Tgt Ion: 96 Resp: 54437
 Ion Ratio Lower Upper
 96 100
 61 167.0 138.2 207.2
 98 54.5 51.3 76.9





#13

Acrolein

Concen: 71.946 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.01 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

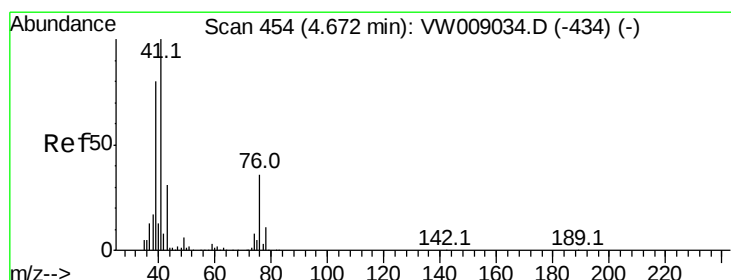
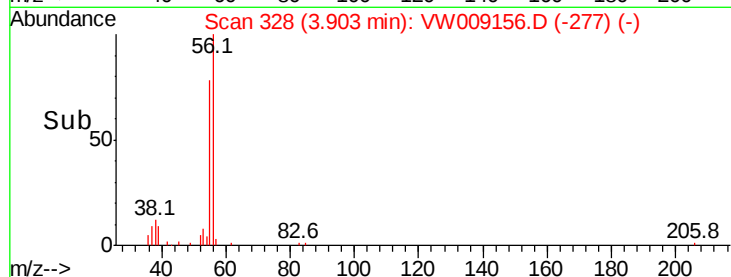
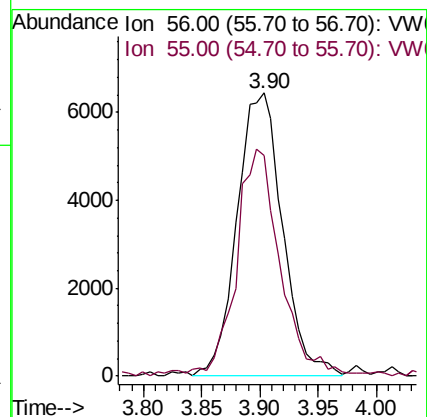
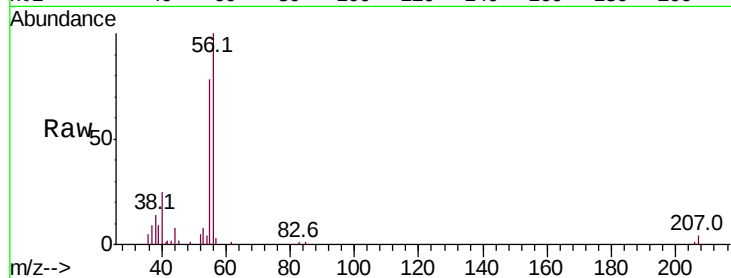
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 17574

Ion Ratio Lower Upper

56 100

55 77.9 56.6 84.8



#14

Allyl chloride

Concen: 20.659 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

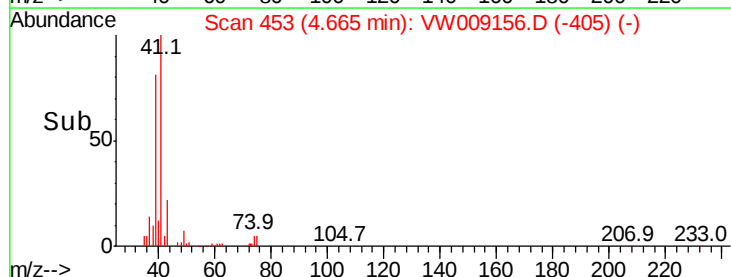
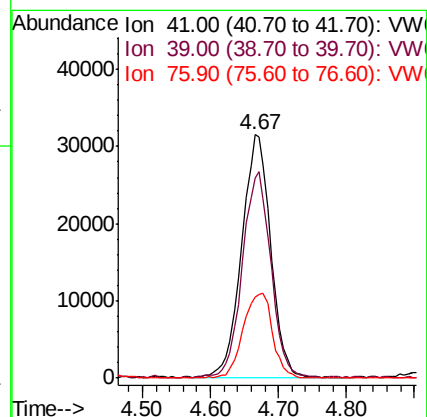
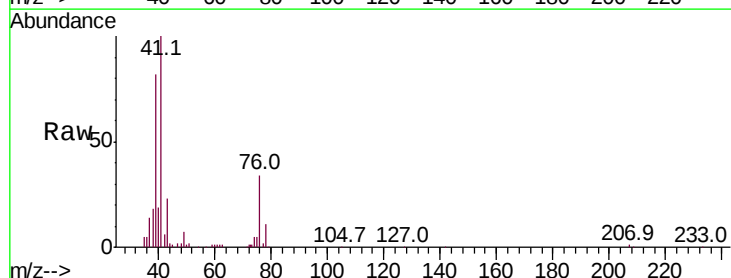
Tgt Ion: 41 Resp: 94294

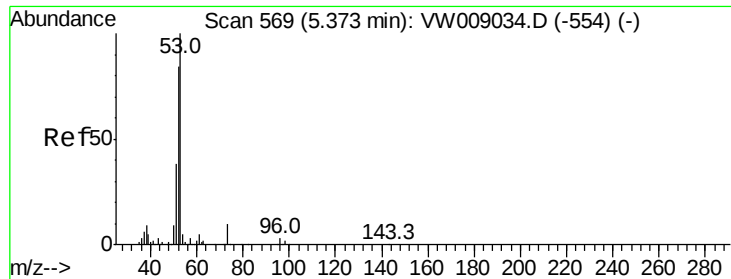
Ion Ratio Lower Upper

41 100

39 83.1 63.0 94.4

76 35.1 28.2 42.2





#15

Acrylonitrile

Concen: 89.182 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.01 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

Instrument :

MSVOA_W

ClientSampleId :

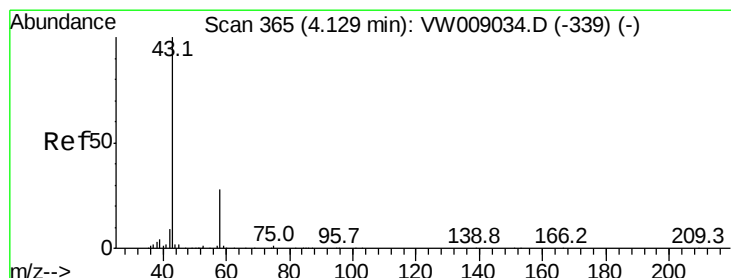
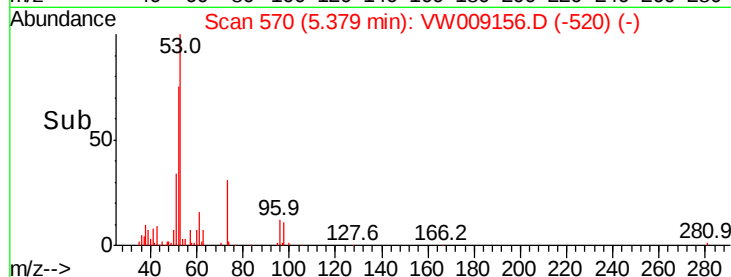
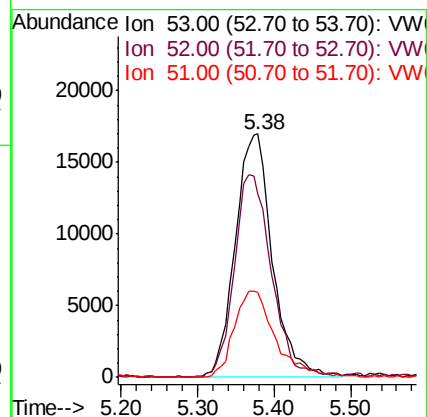
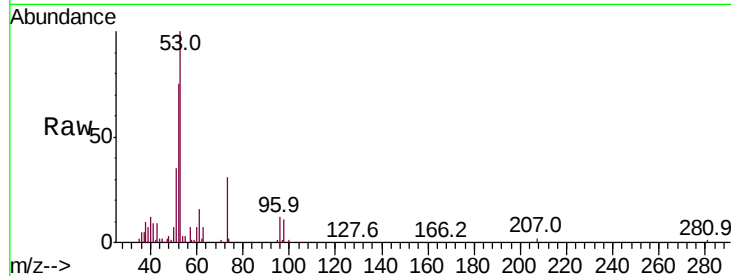
Tot Ion: 53 Resp: 57324

Ion Ratio Lower Upper

53 100

52 82.7 67.2 100.8

51 39.2 31.8 47.6



#16

Acetone

Concen: 90.565 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

Lab File: VW009156.D

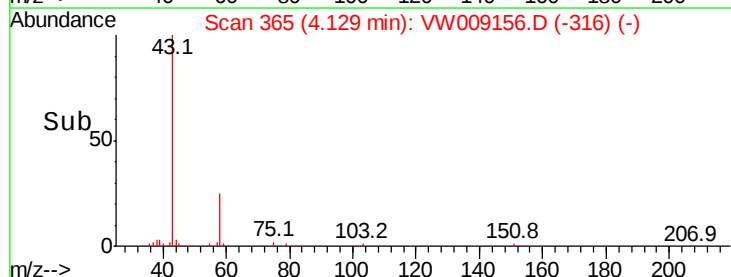
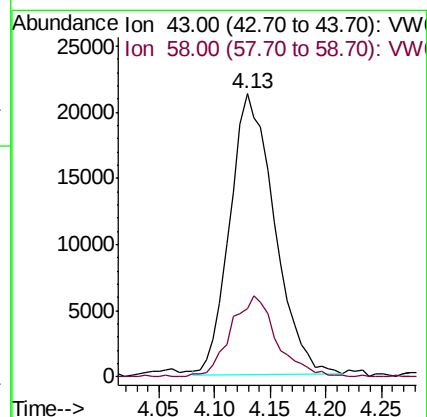
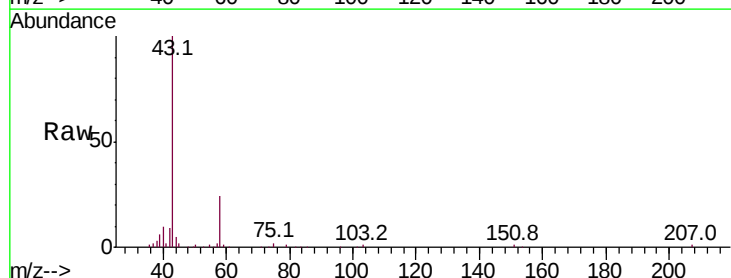
Acq: 13 Mar 2019 15:35

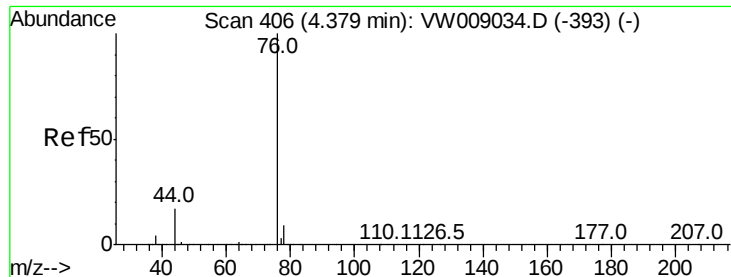
Tgt Ion: 43 Resp: 59200

Ion Ratio Lower Upper

43 100

58 23.6 22.5 33.7

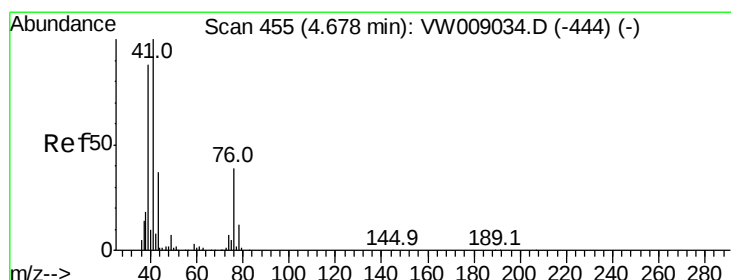
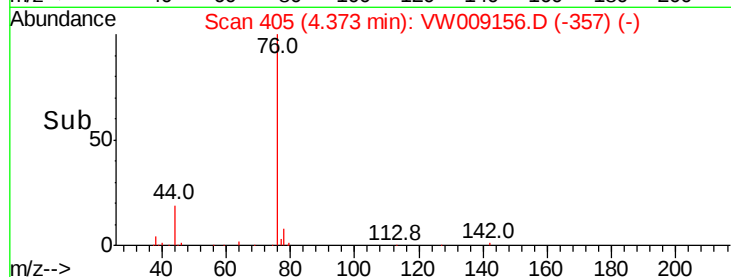
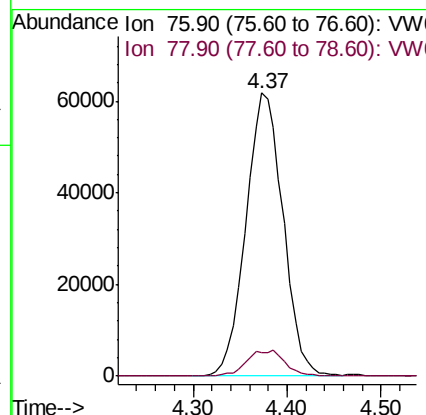
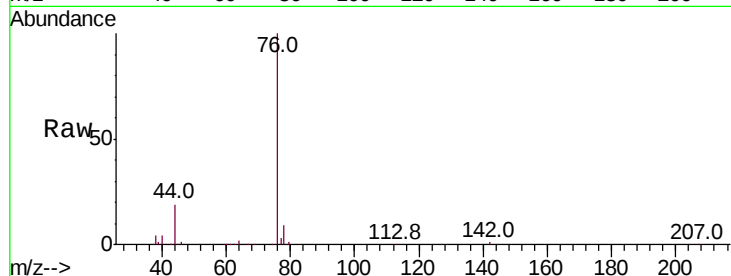




#17
Carbon Disulfide
Concen: 19.584 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW009156.D
Acq: 13 Mar 2019 15:35

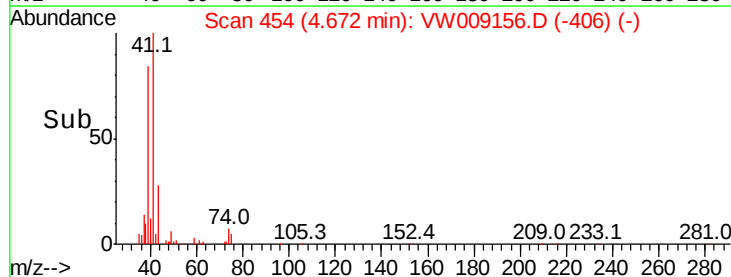
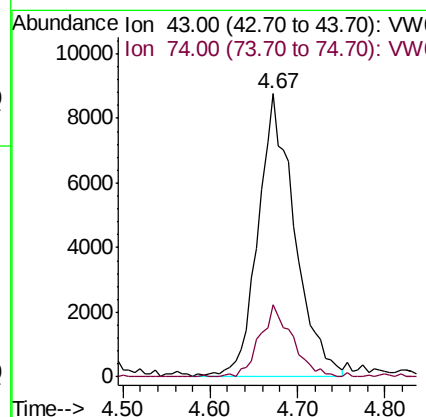
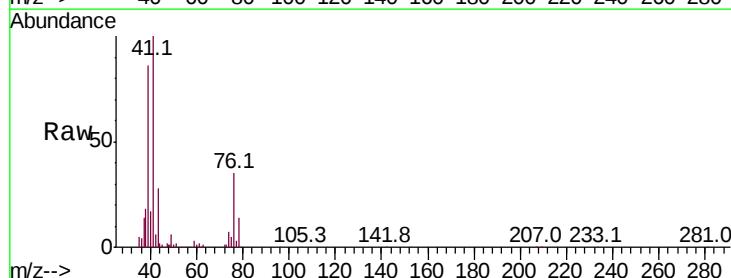
Instrument :
MSVOA_W
ClientSampleId :

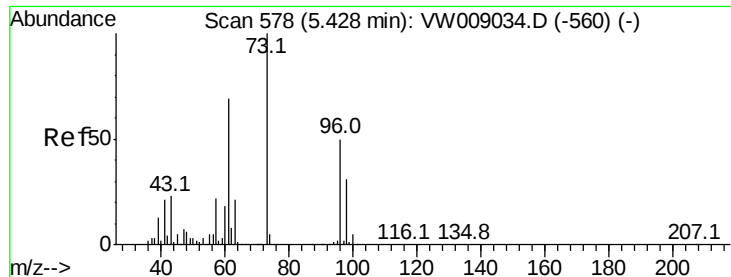
Tot Ion: 76 Resp: 170499
Ion Ratio Lower Upper
76 100
78 8.5 7.0 10.6



#18
Methyl Acetate
Concen: 17.015 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW009156.D
Acq: 13 Mar 2019 15:35

Tgt Ion: 43 Resp: 25576
Ion Ratio Lower Upper
43 100
74 22.6 17.6 26.4

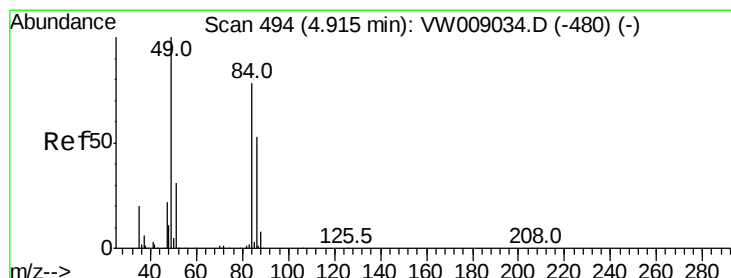
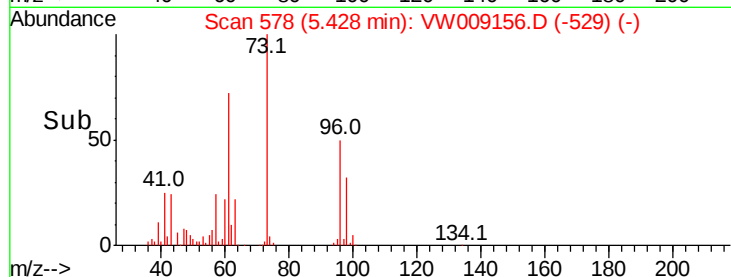
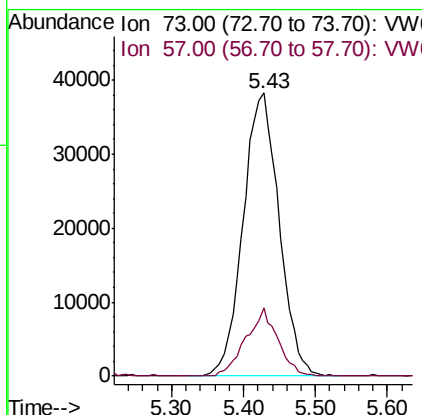
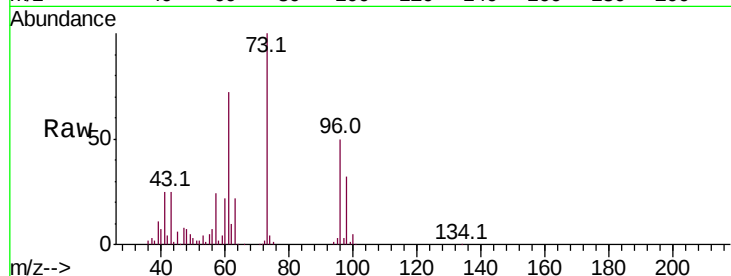




#19
Methyl tert-butyl Ether
Concen: 19.414 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW009156.D
Acq: 13 Mar 2019 15:35

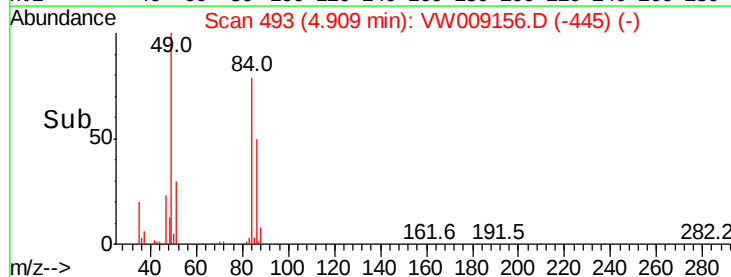
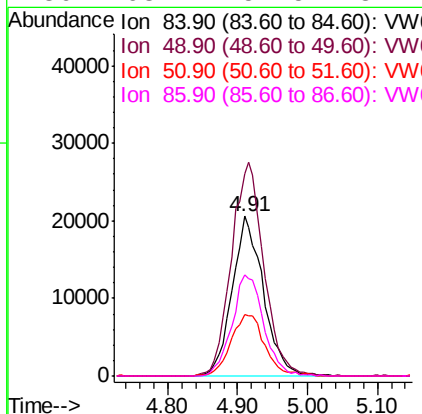
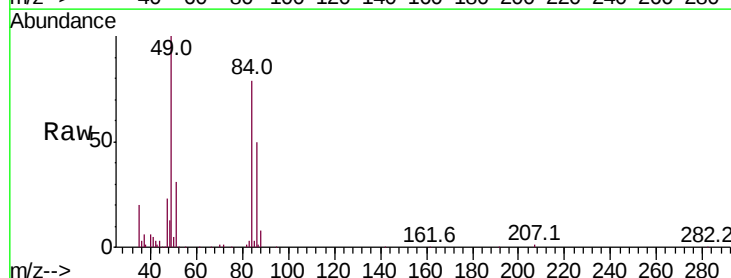
Instrument :
MSVOA_W
ClientSampled :

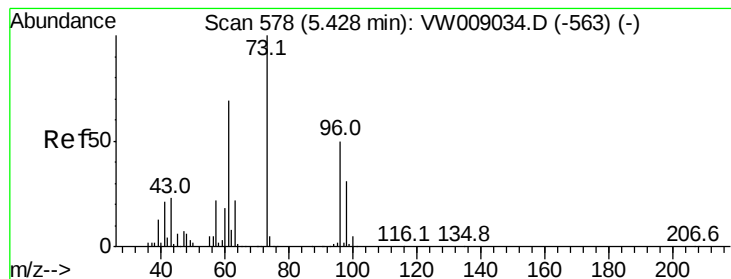
Tot Ion: 73 Resp: 132889
Ion Ratio Lower Upper
73 100
57 24.0 17.3 25.9



#20
Methylene Chloride
Concen: 17.187 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW009156.D
Acq: 13 Mar 2019 15:35

Tgt Ion: 84 Resp: 63800
Ion Ratio Lower Upper
84 100
49 126.6 102.4 153.6
51 38.6 31.6 47.4
86 63.2 54.5 81.7





#21

trans-1,2-Dichloroethene

Concen: 20.573 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

Instrument :
MSVOA_W
ClientSampleId :

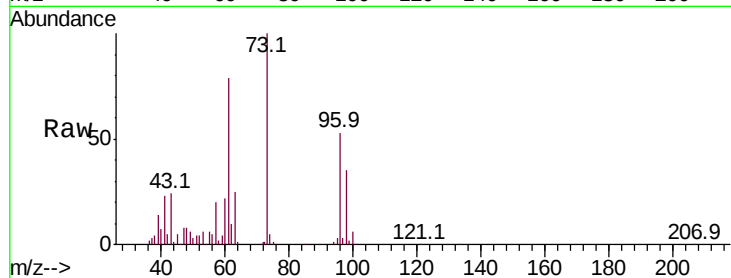
Tot Ion: 96 Resp: 61469

Ion Ratio Lower Upper

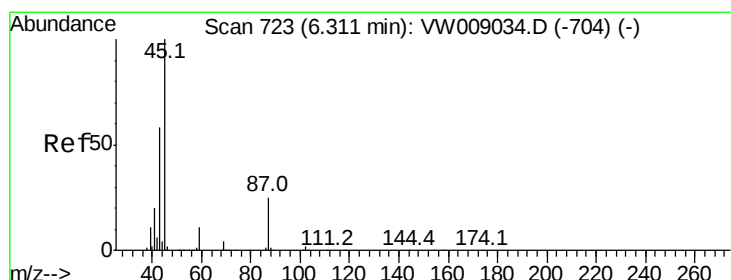
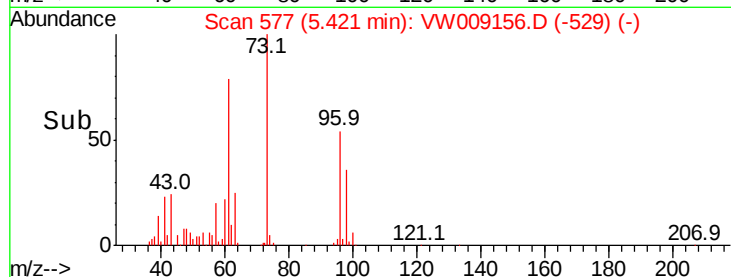
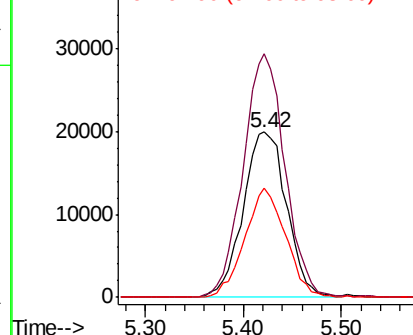
96 100

61 147.2 111.0 166.6

98 66.4 49.4 74.0



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



#22

Diisopropyl ether

Concen: 20.442 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

Tgt Ion: 45 Resp: 185420

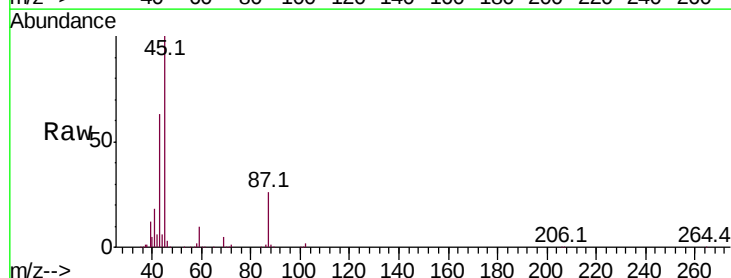
Ion Ratio Lower Upper

45 100

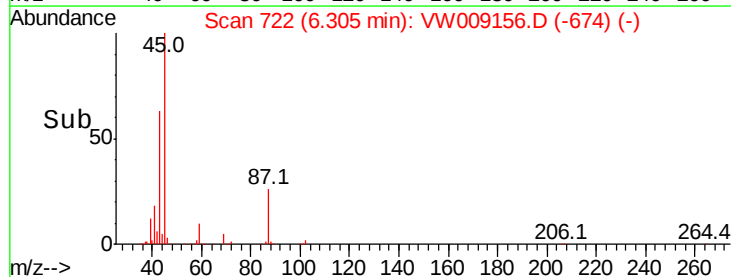
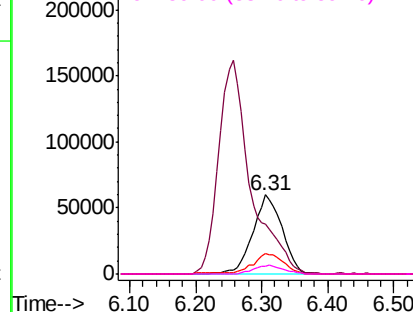
43 62.3 46.2 69.4

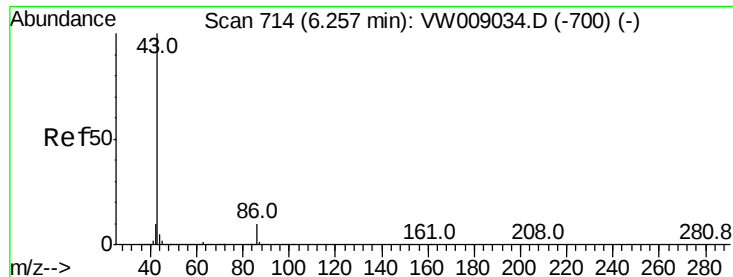
87 25.9 20.1 30.1

59 10.2 8.4 12.6



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: 96.215 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

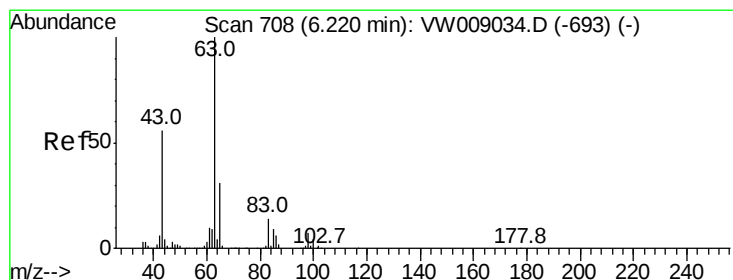
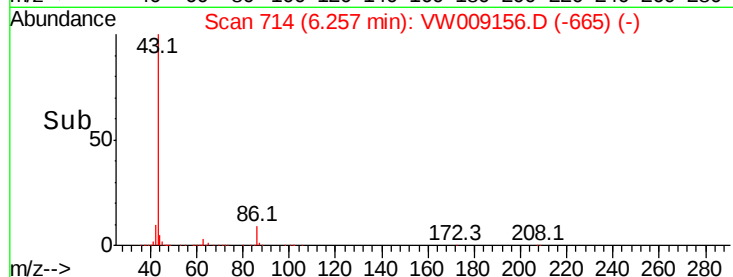
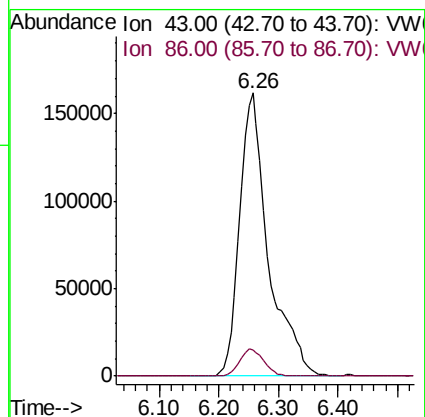
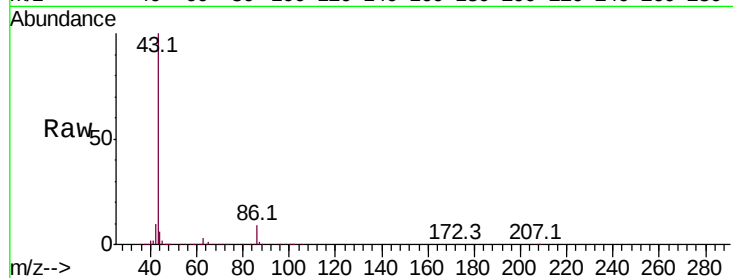
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 543098

Ion Ratio Lower Upper

43 100

86 9.3 7.6 11.4



#24

1,1-Dichloroethane

Concen: 20.722 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

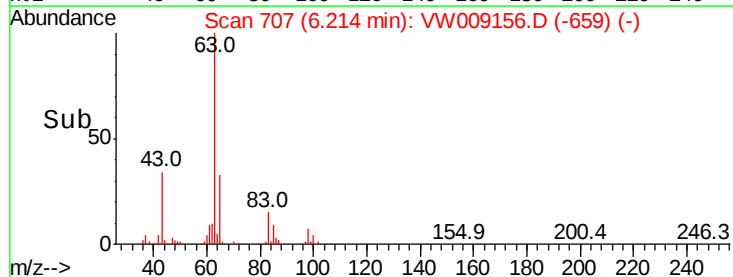
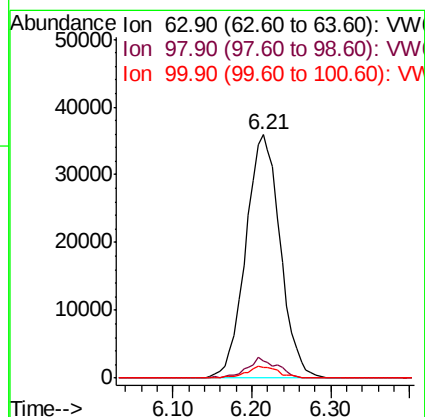
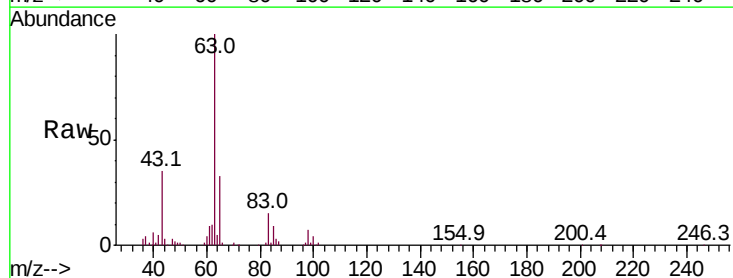
Tgt Ion: 63 Resp: 109025

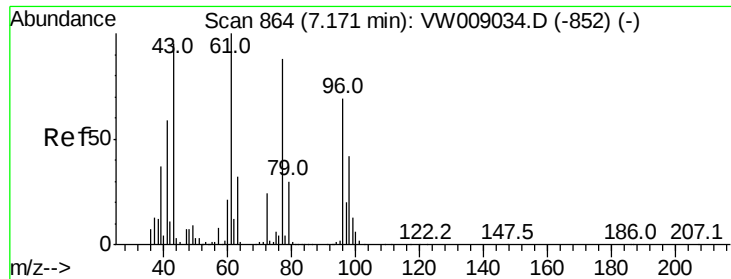
Ion Ratio Lower Upper

63 100

98 7.1 3.4 10.2

100 4.1 2.1 6.2





#25

2-Butanone

Concen: 87.110 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

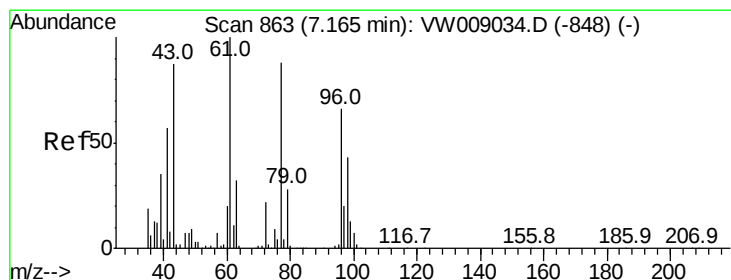
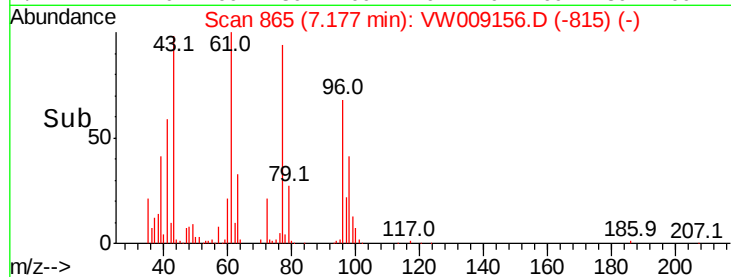
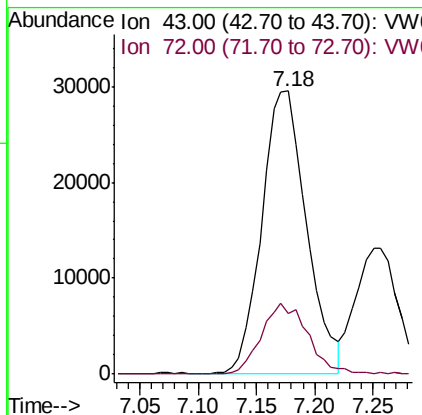
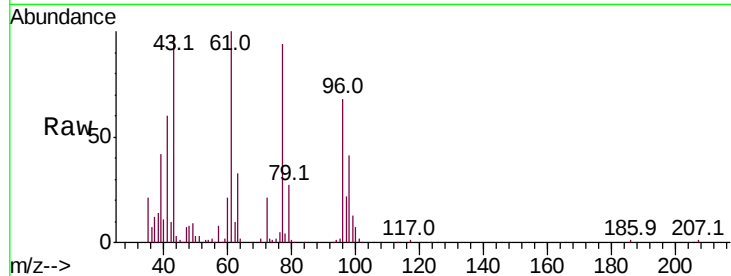
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 78694

Ion Ratio Lower Upper

43 100

72 21.5 20.0 30.0



#26

2,2-Dichloropropane

Concen: 21.733 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW009156.D

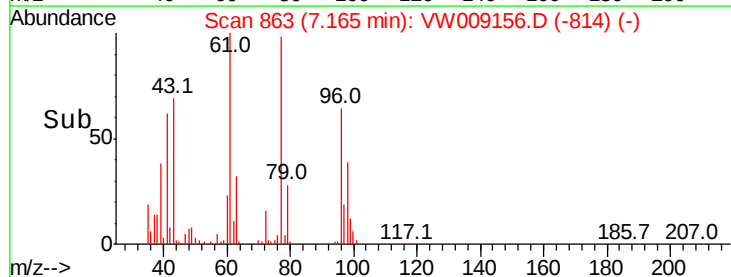
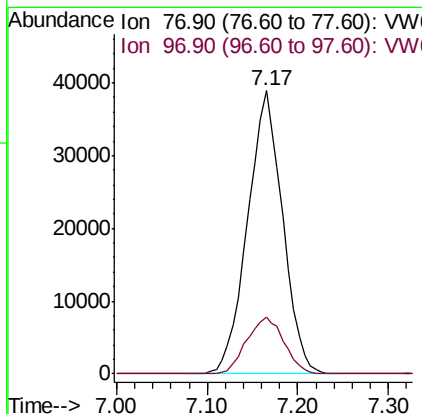
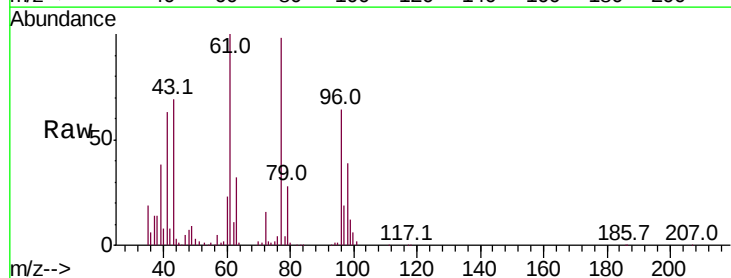
Acq: 13 Mar 2019 15:35

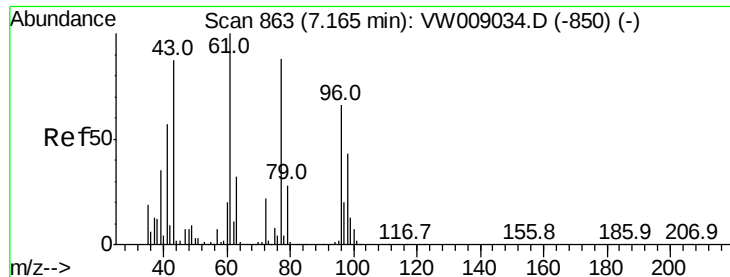
Tgt Ion: 77 Resp: 103934

Ion Ratio Lower Upper

77 100

97 21.4 10.9 32.9



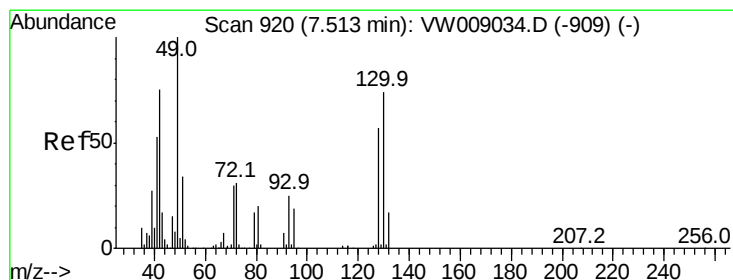
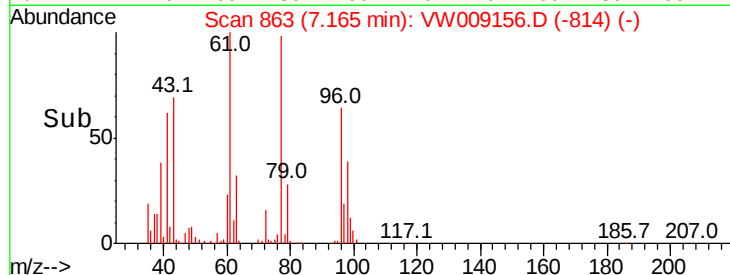
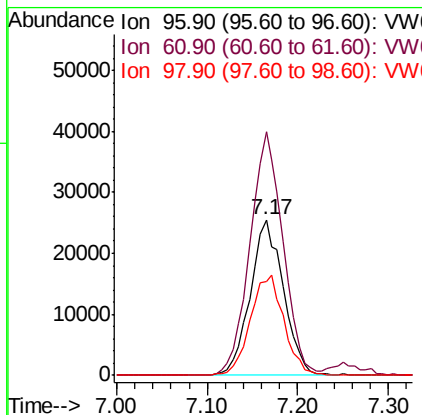
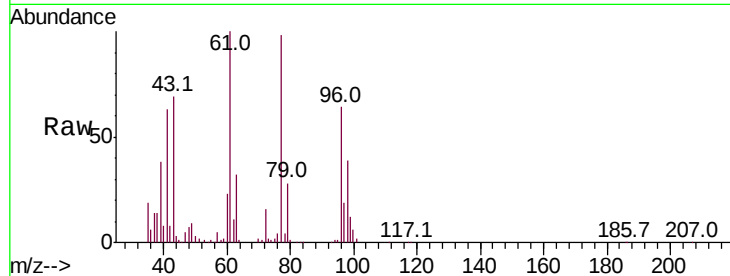


#27

cis-1,2-Dichloroethene
Concen: 20.131 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW009156.D
Acq: 13 Mar 2019 15:35

Instrument :
MSVOA_W
ClientSampled :

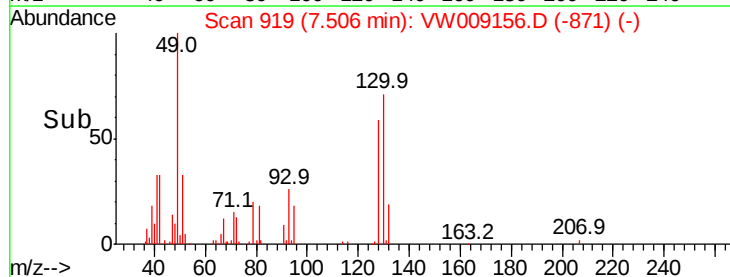
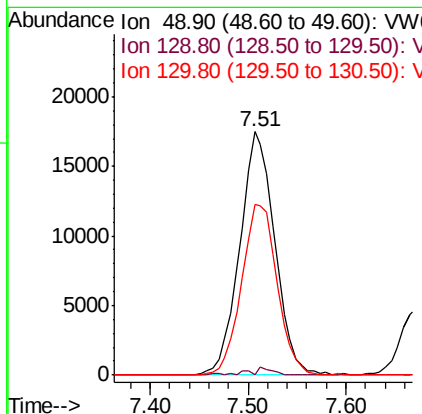
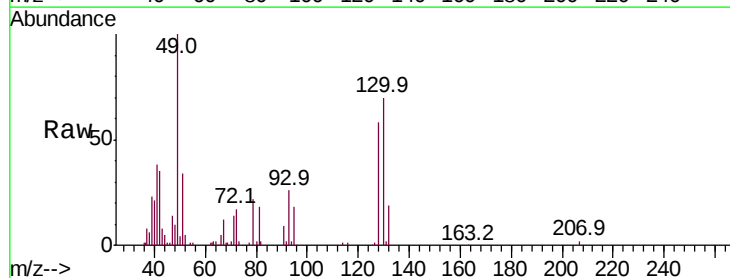
Tot Ion	96	Resp	64597
Ion	Ratio	Lower	Upper
96	100		
61	155.3	0.0	299.8
98	65.1	0.0	127.2

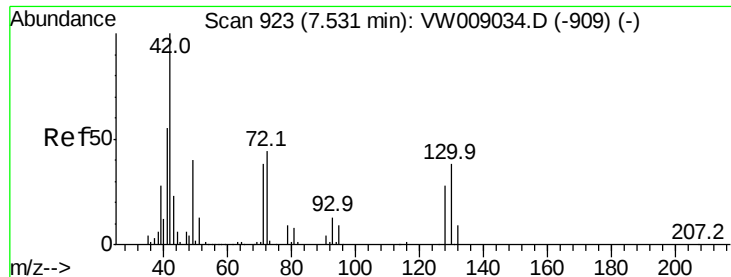


#28

Bromochloromethane
Concen: 19.891 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW009156.D
Acq: 13 Mar 2019 15:35

Tgt Ion	49	Resp	43529
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.6
130	71.3	60.4	90.6

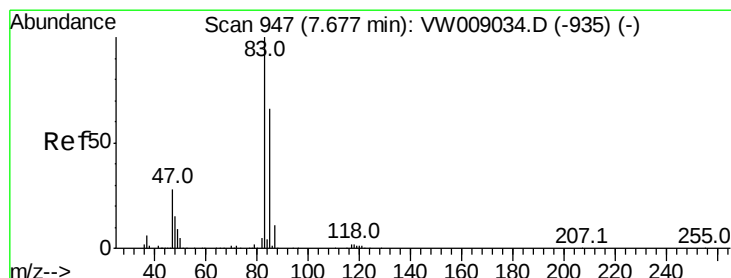
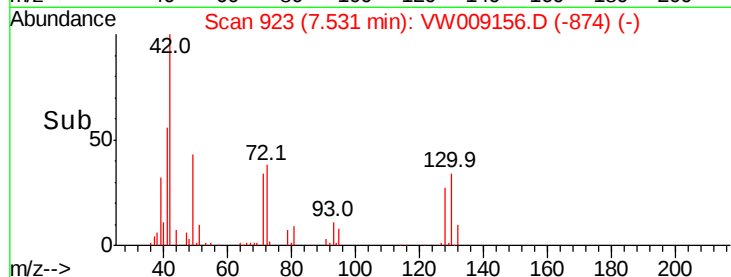
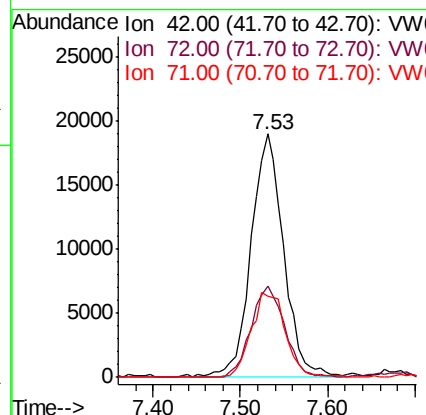
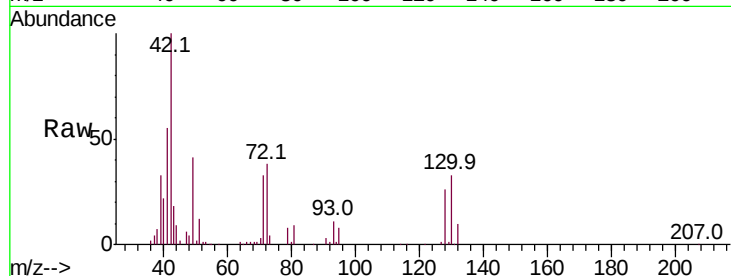




#29
Tetrahydrofuran
Concen: 85.576 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW009156.D
Acq: 13 Mar 2019 15:35

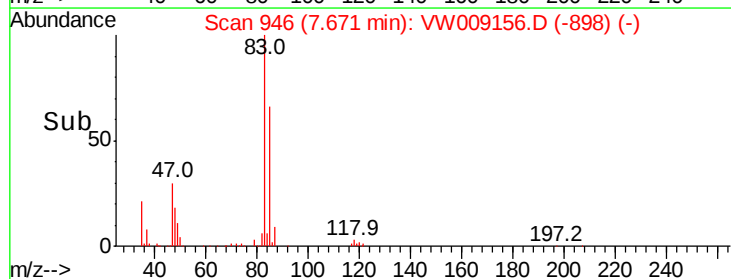
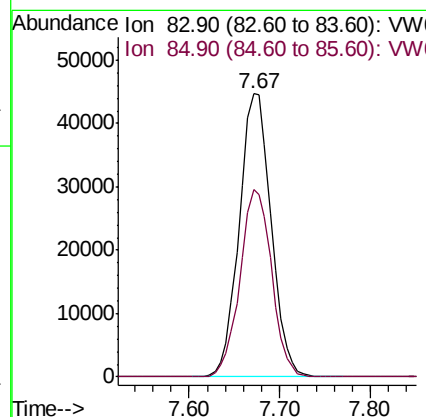
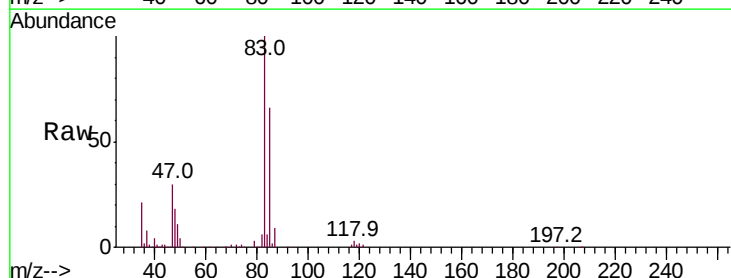
Instrument :
MSVOA_W
ClientSampleId :

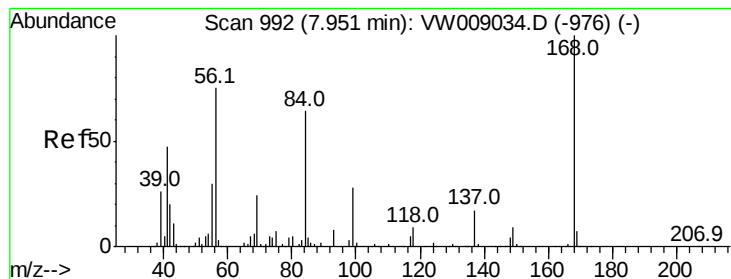
Tot Ion: 42 Resp: 48718
Ion Ratio Lower Upper
42 100
72 39.1 32.2 48.4
71 36.7 30.7 46.1



#30
Chloroform
Concen: 20.115 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW009156.D
Acq: 13 Mar 2019 15:35

Tgt Ion: 83 Resp: 108954
Ion Ratio Lower Upper
83 100
85 66.0 53.0 79.6





#31

Cyclohexane

Concen: 21.227 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

Instrument :
MSVOA_W
ClientSampled :

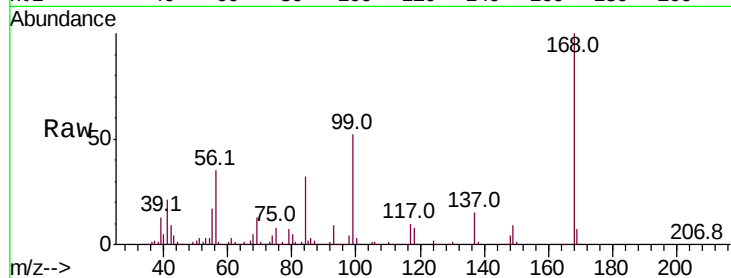
Tot Ion: 56 Resp: 114672

Ion Ratio Lower Upper

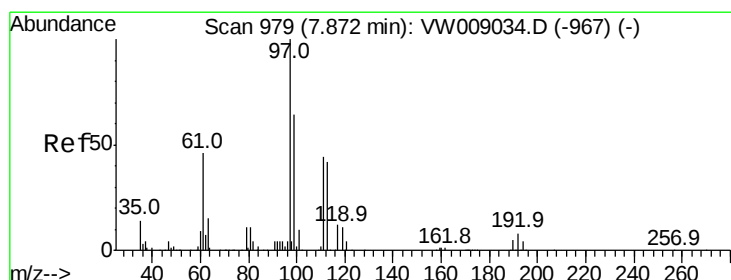
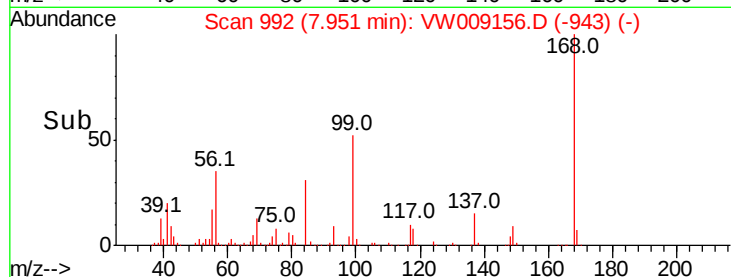
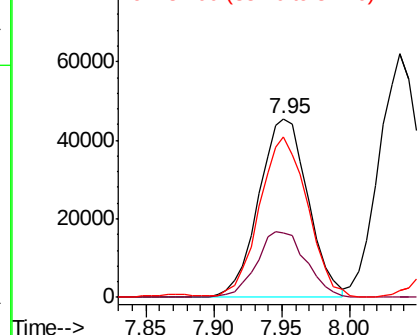
56 100

69 36.0 25.5 38.3

84 88.9 68.6 103.0



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: 20.994 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

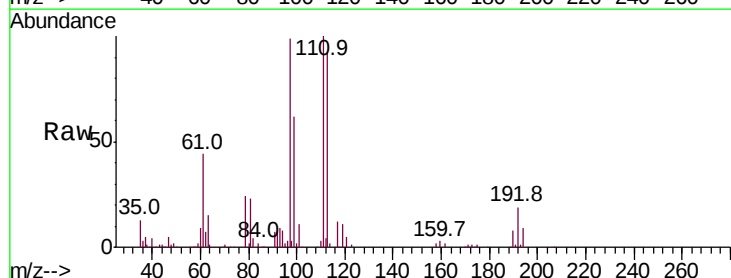
Tgt Ion: 97 Resp: 104945

Ion Ratio Lower Upper

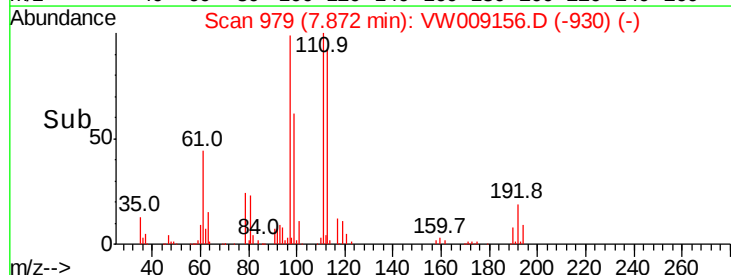
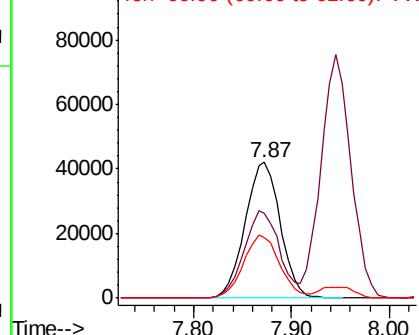
97 100

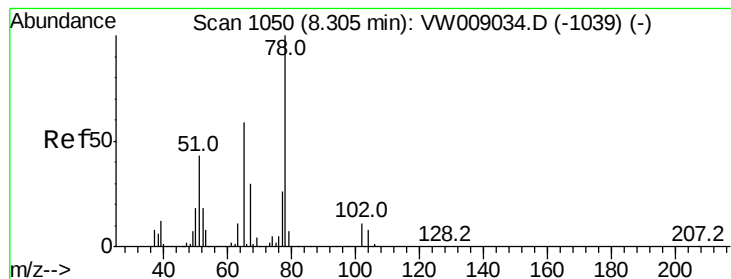
99 65.2 51.8 77.8

61 47.7 37.3 55.9



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: 45.858 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

Instrument :

MSVOA_W

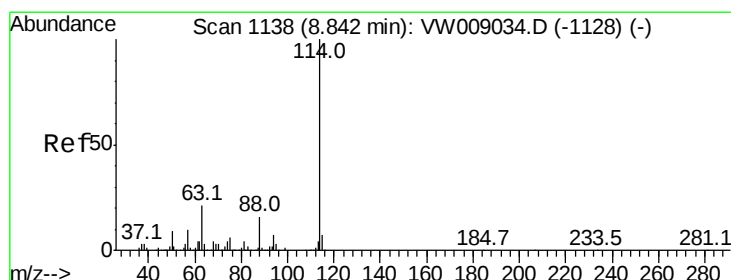
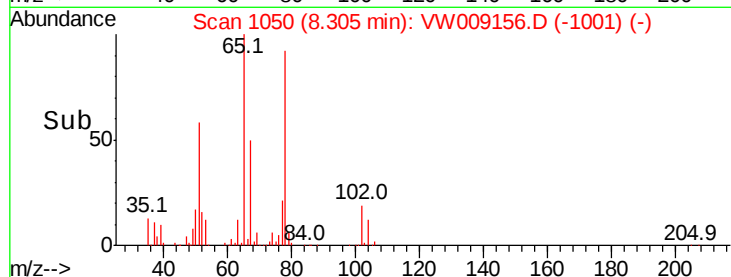
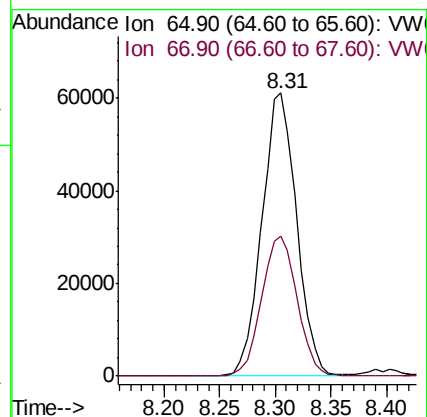
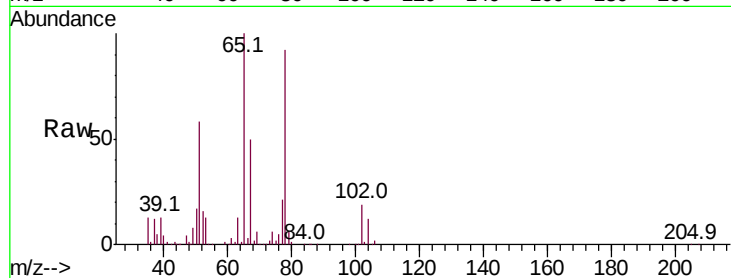
ClientSampleId :

Tot Ion: 65 Resp: 132838

Ion Ratio Lower Upper

65 100

67 50.6 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

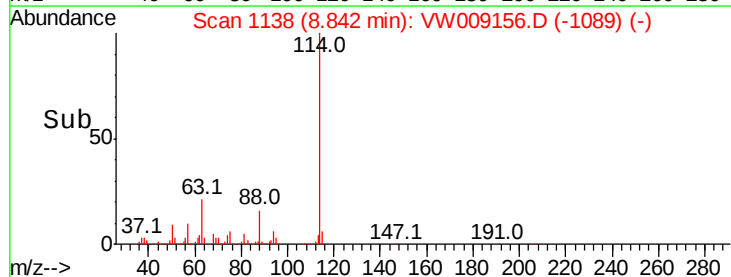
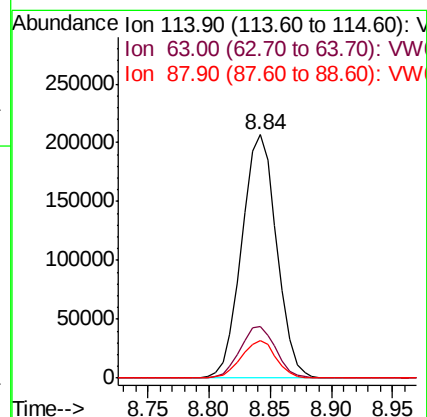
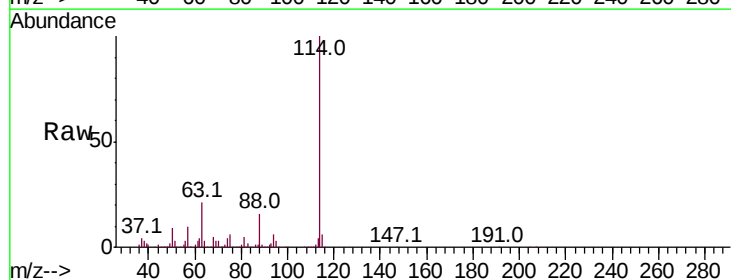
Tgt Ion: 114 Resp: 410002

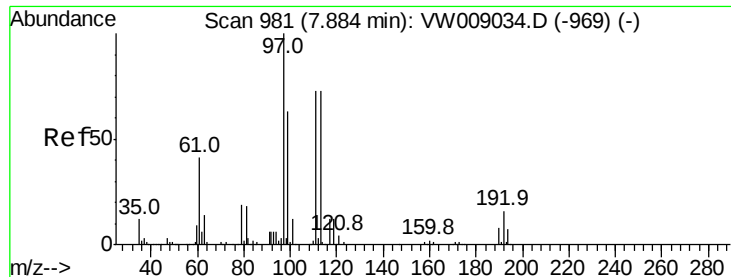
Ion Ratio Lower Upper

114 100

63 21.3 0.0 41.2

88 15.5 0.0 31.2

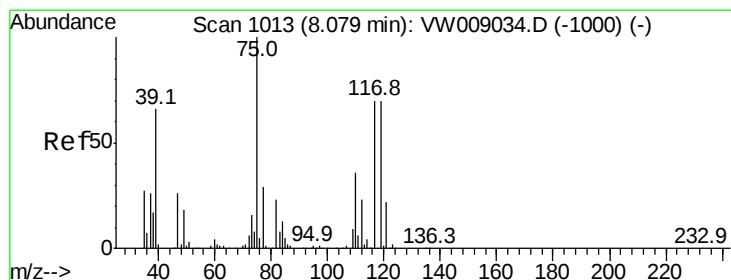
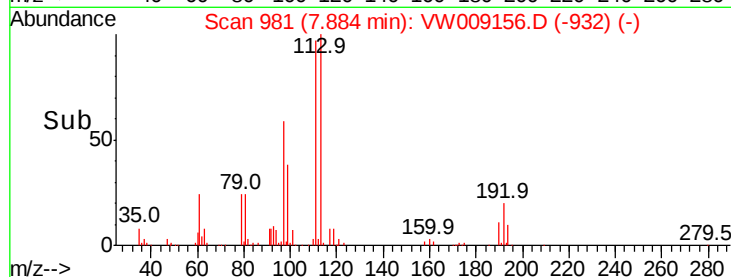
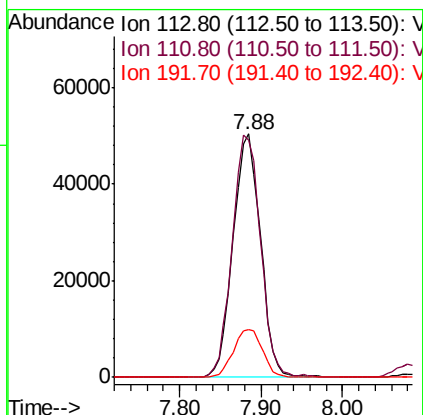
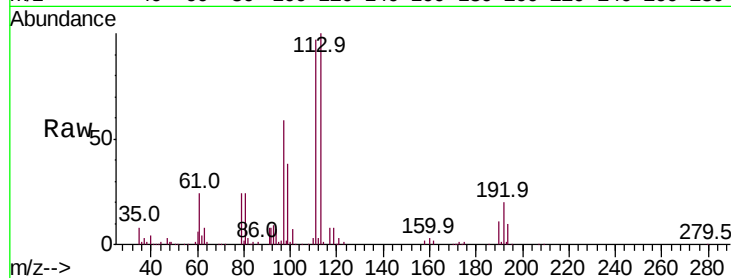




#35
 Dibromofluoromethane
 Concen: 47.478 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW009156.D
 Acq: 13 Mar 2019 15:35

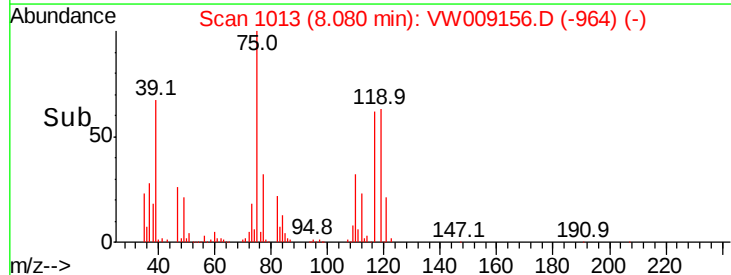
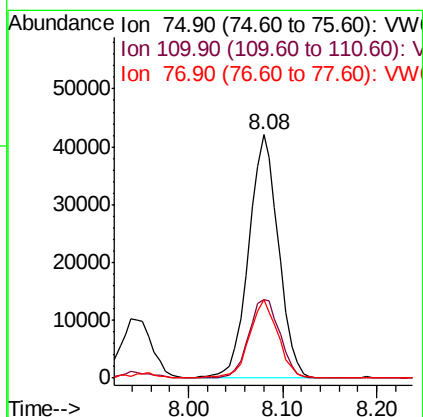
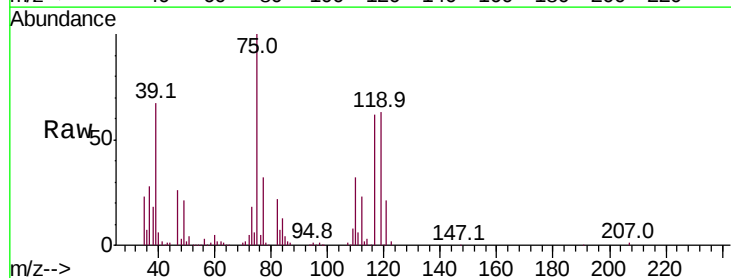
Instrument :
 MSVOA_W
 ClientSampleId :

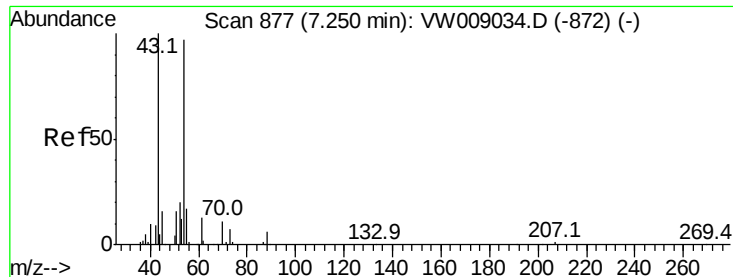
Tot Ion:113 Resp: 117203
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.0 121.4
 192 20.7 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 21.778 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW009156.D
 Acq: 13 Mar 2019 15:35

Tgt Ion: 75 Resp: 93362
 Ion Ratio Lower Upper
 75 100
 110 33.7 17.6 52.9
 77 30.9 25.1 37.7

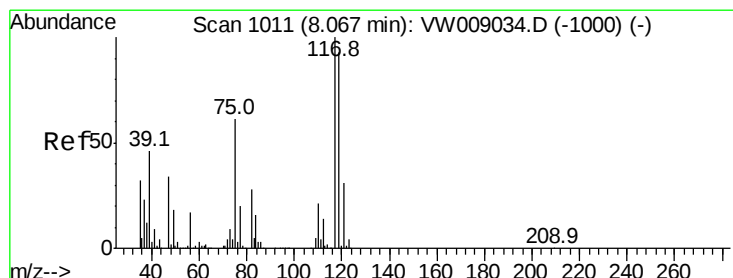
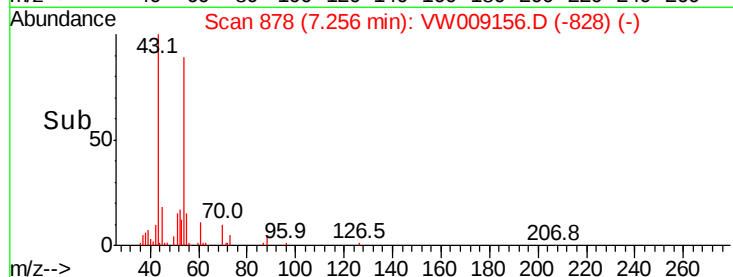
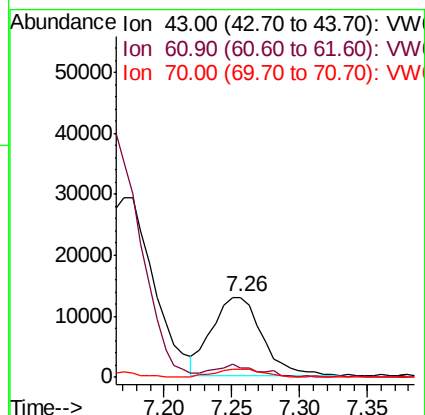
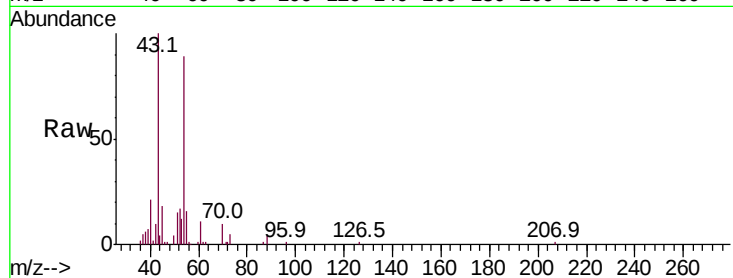




#37
Ethyl Acetate
Concen: 16.416 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW009156.D
Acq: 13 Mar 2019 15:35

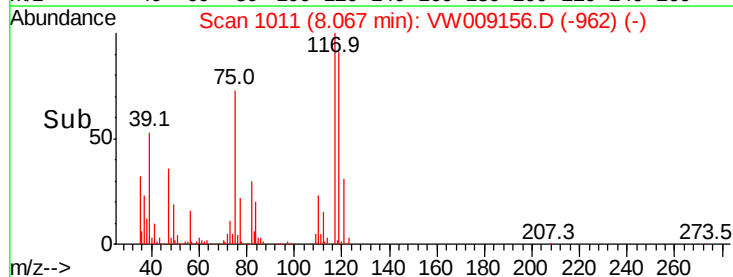
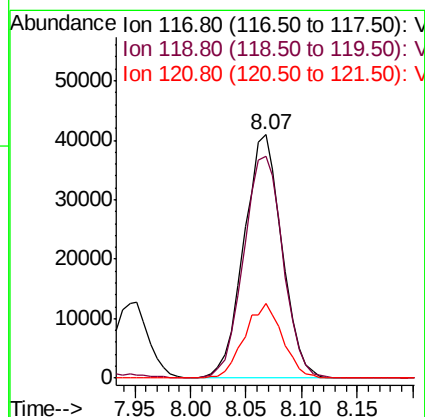
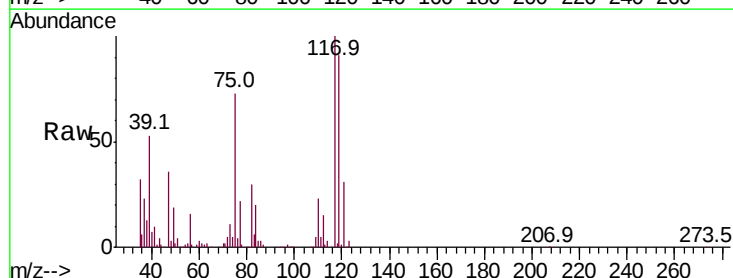
Instrument :
MSVOA_W
ClientSampled :

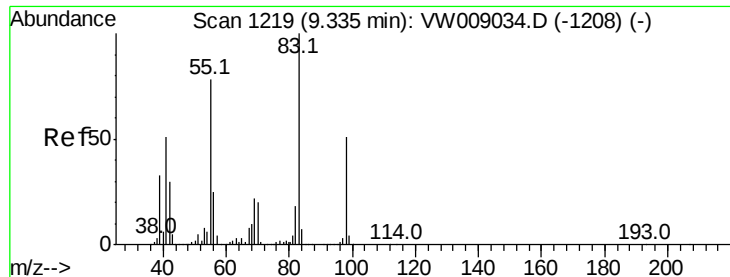
Tot Ion: 43 Resp: 33057
Ion Ratio Lower Upper
43 100
61 13.3 9.8 14.6
70 10.5 7.2 10.8



#38
Carbon Tetrachloride
Concen: 21.977 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW009156.D
Acq: 13 Mar 2019 15:35

Tgt Ion: 117 Resp: 97301
Ion Ratio Lower Upper
117 100
119 91.2 74.6 112.0
121 30.7 24.7 37.1

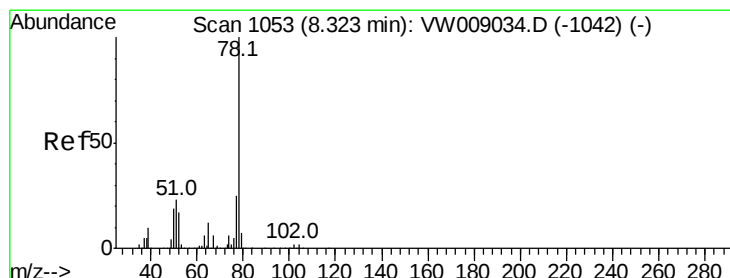
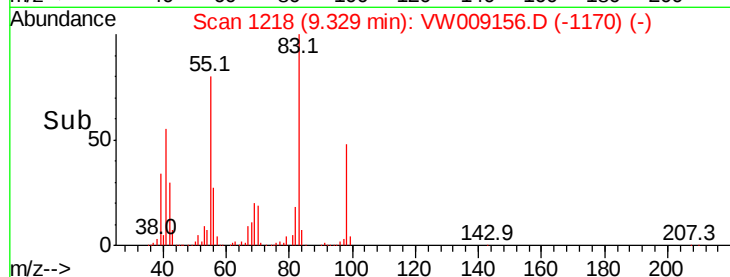
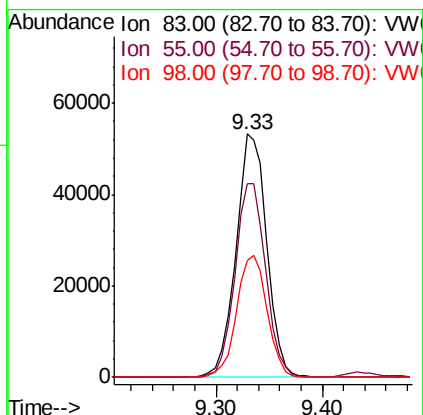
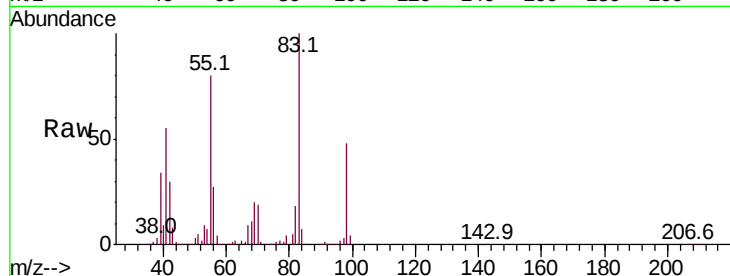




#39
Methvlcvclohexane
Concen: 21.116 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW009156.D
Acq: 13 Mar 2019 15:35

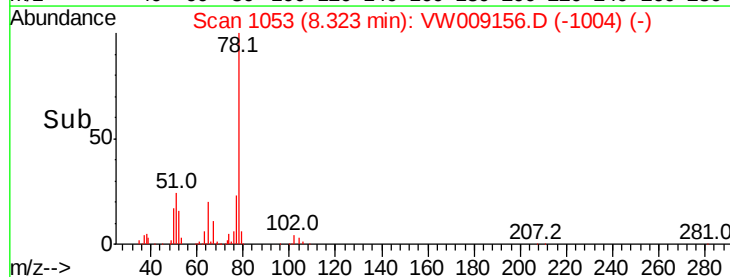
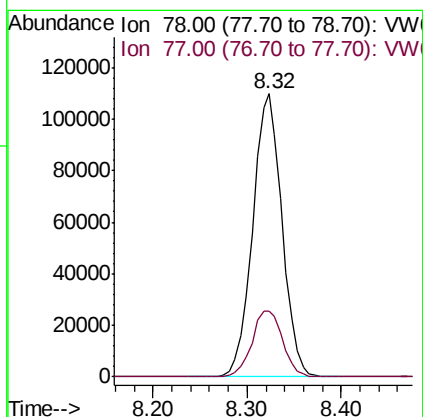
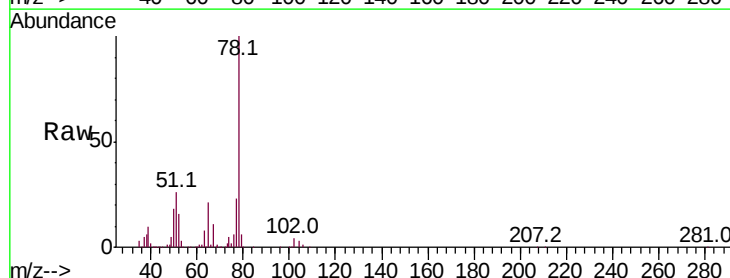
Instrument :
MSVOA_W
ClientSampleId :

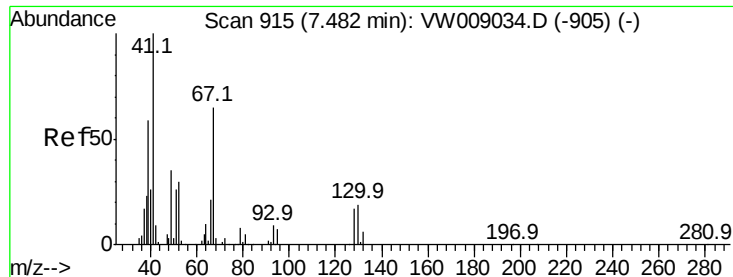
Tot Ion: 83 Resp: 107825
Ion Ratio Lower Upper
83 100
55 79.6 62.7 94.1
98 48.0 40.8 61.2



#40
Benzene
Concen: 20.918 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW009156.D
Acq: 13 Mar 2019 15:35

Tgt Ion: 78 Resp: 239391
Ion Ratio Lower Upper
78 100
77 23.4 20.2 30.4

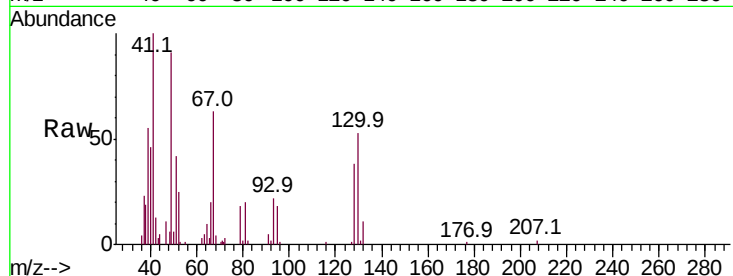




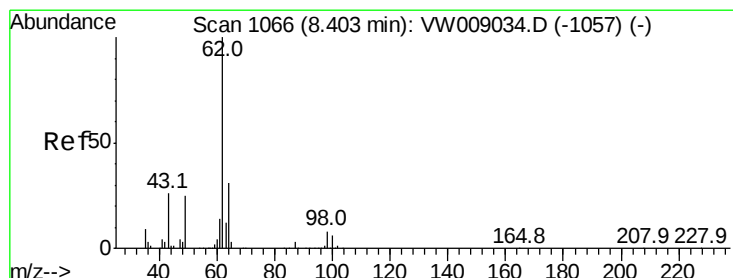
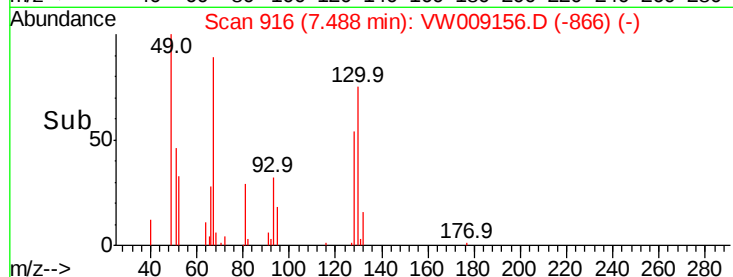
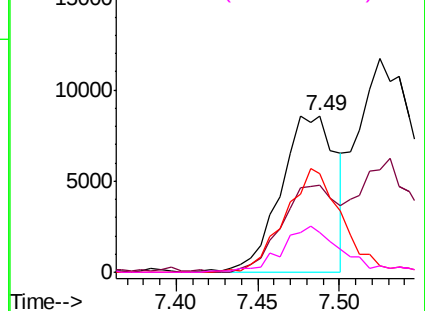
#41
Methacrylonitrile
Concen: 18.226 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW009156.D
Acq: 13 Mar 2019 15:35

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	41	Resp:	20381
Ion	Ratio	Lower	Upper
41	100		
39	55.4	53.6	80.4
67	68.0	57.6	86.4
52	32.4	26.0	39.0

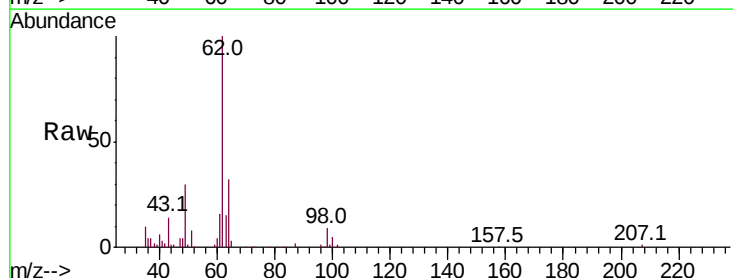


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

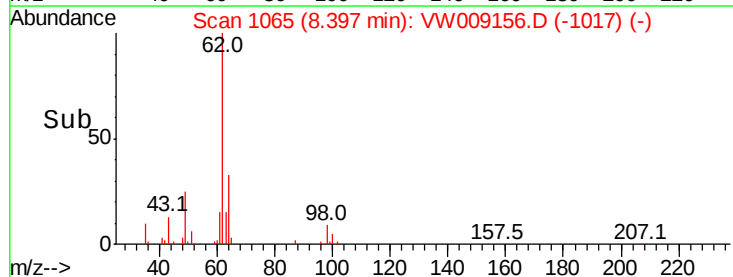
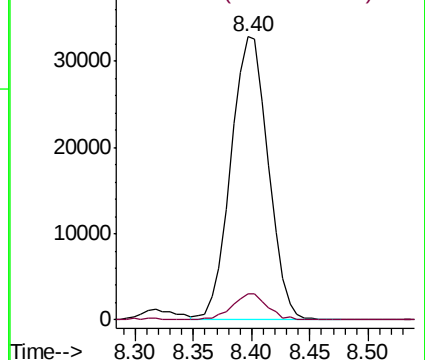


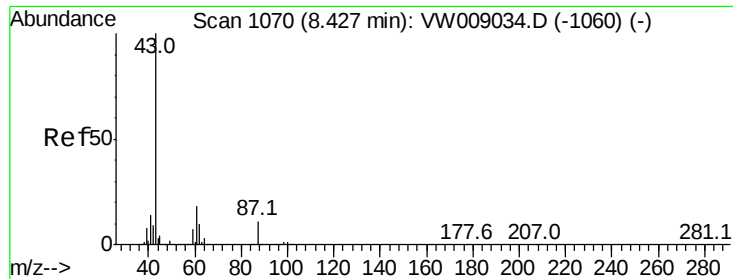
#42
1,2-Dichloroethane
Concen: 19.917 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW009156.D
Acq: 13 Mar 2019 15:35

Tgt Ion:	62	Resp:	73586
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.6



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

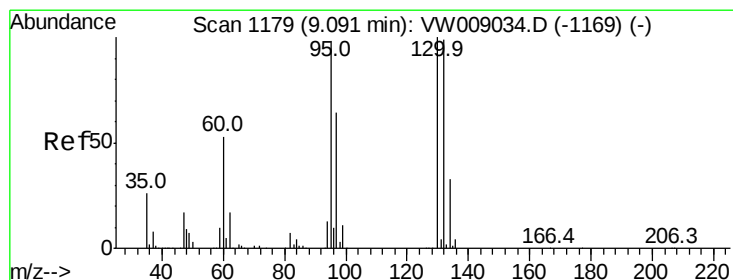
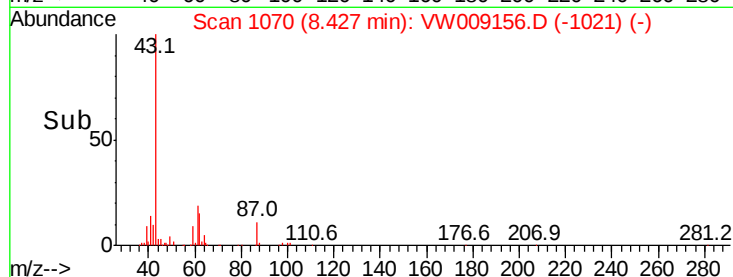
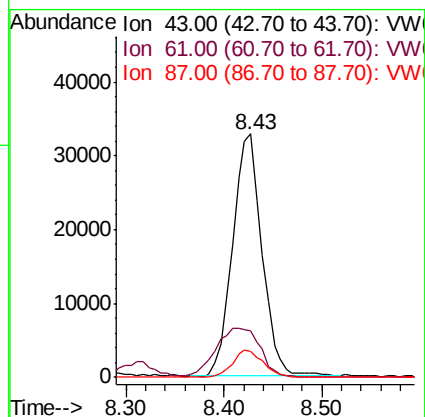
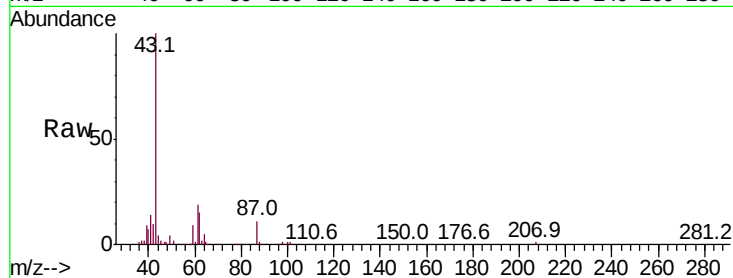




#43
Isopropyl Acetate
Concen: 18.131 ug/l
RT: 8.43 min Scan# 1070
Delta R.T. 0.00 min
Lab File: VW009156.D
Acq: 13 Mar 2019 15:35

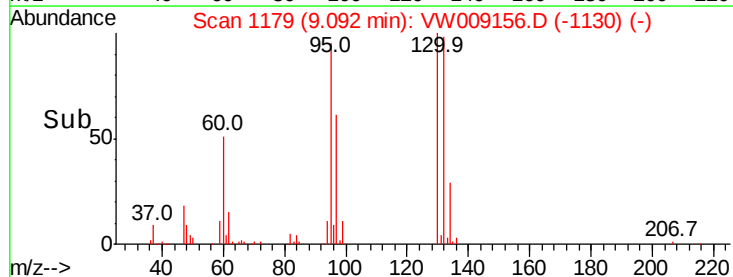
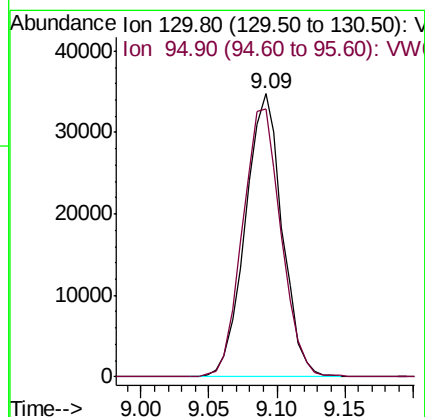
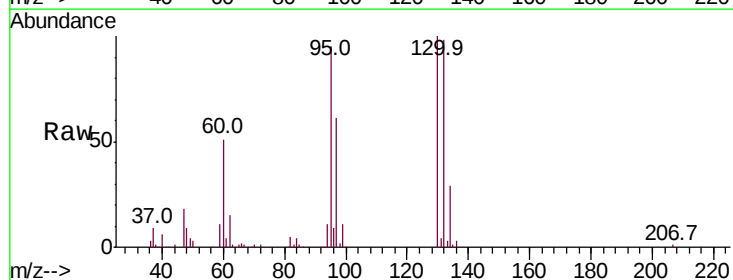
Instrument :
MSVOA_W
ClientSampleId :

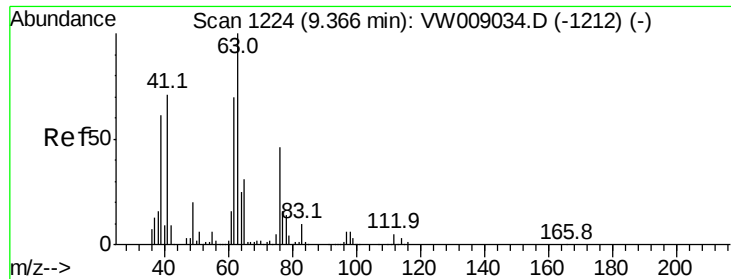
Tot Ion: 43 Resp: 67999
Ion Ratio Lower Upper
43 100
61 31.1 22.8 34.2
87 11.7 9.4 14.2



#44
Trichloroethene
Concen: 20.617 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VW009156.D
Acq: 13 Mar 2019 15:35

Tgt Ion:130 Resp: 66130
Ion Ratio Lower Upper
130 100
95 94.9 0.0 197.0





#45

1,2-Dichloropropane

Concen: 21.098 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

Instrument :

MSVOA_W

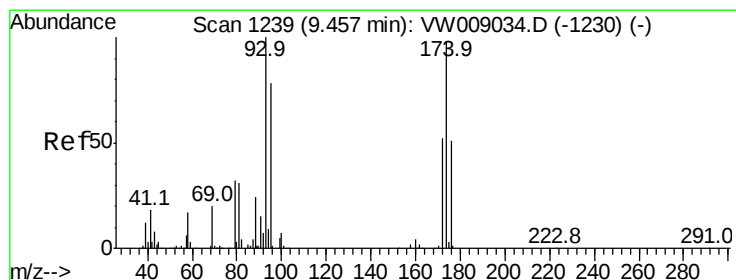
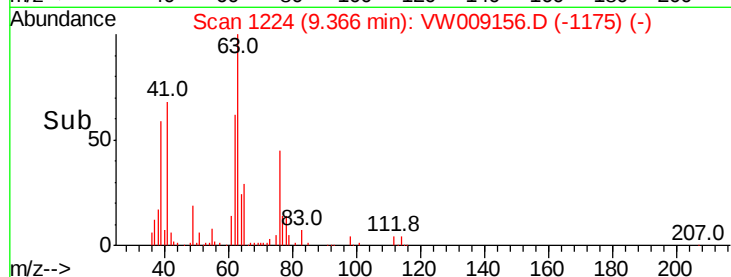
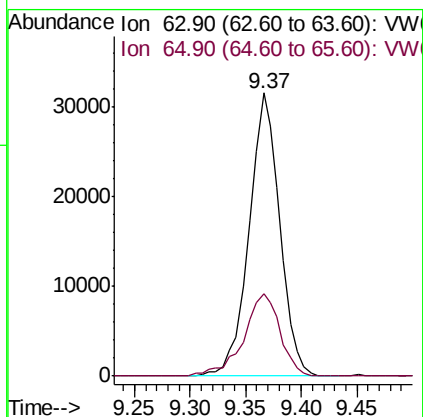
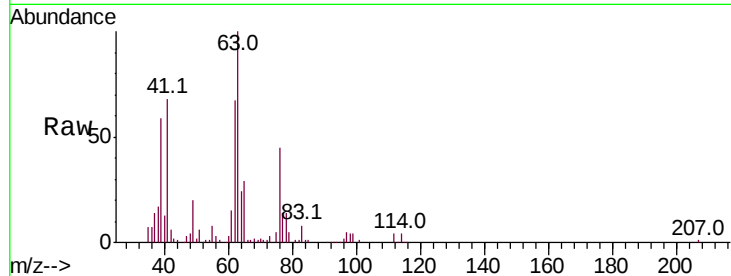
ClientSampleId :

Tot Ion: 63 Resp: 60472

Ion Ratio Lower Upper

63 100

65 29.3 24.9 37.3



#46

Dibromomethane

Concen: 19.622 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

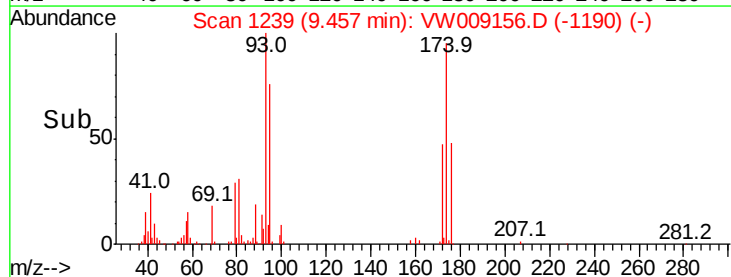
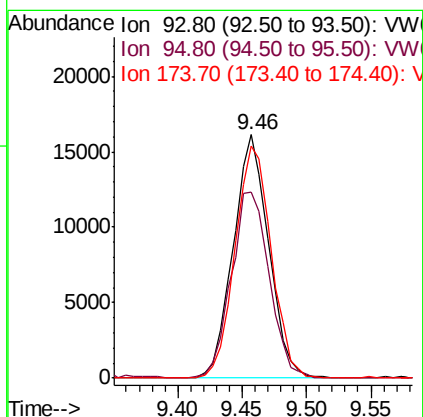
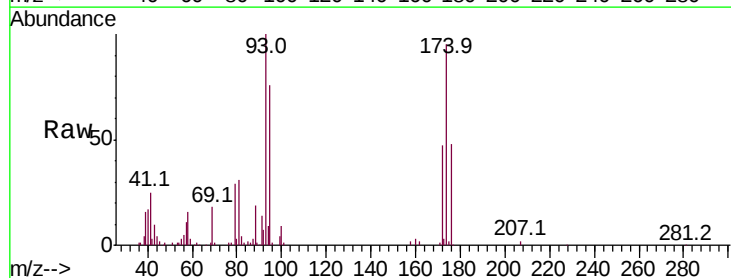
Tgt Ion: 93 Resp: 30716

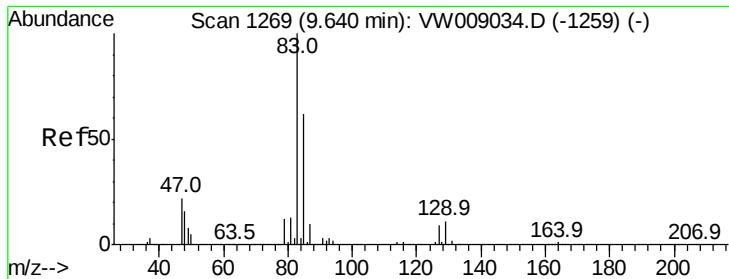
Ion Ratio Lower Upper

93 100

95 82.2 65.0 97.6

174 97.5 81.8 122.6





#47

Bromodichloromethane

Concen: 20.487 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

Instrument :

MSVOA_W

ClientSampled :

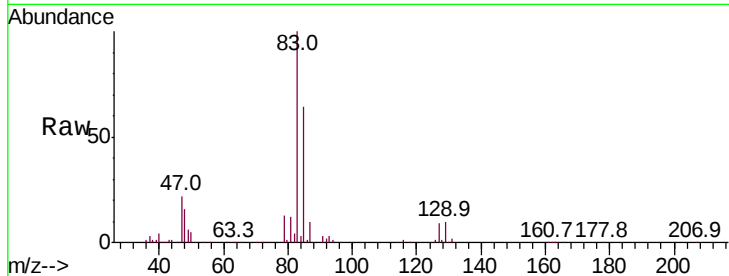
Tot Ion: 83 Resp: 81181

Ion Ratio Lower Upper

83 100

85 63.7 49.9 74.9

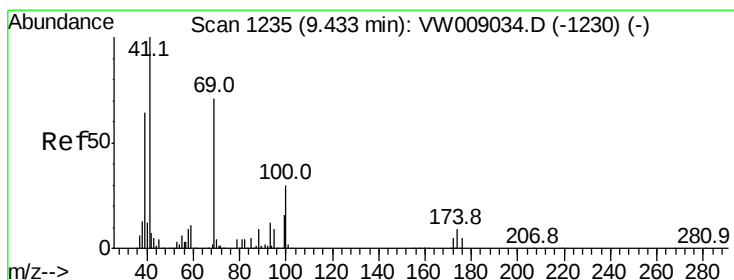
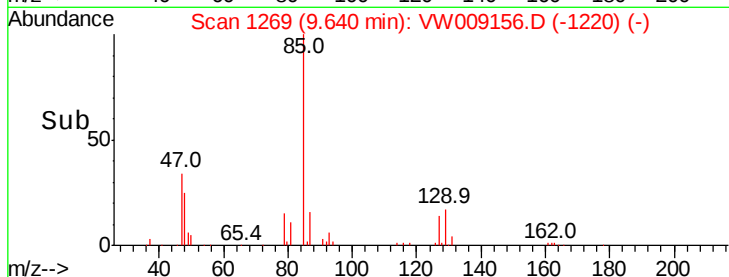
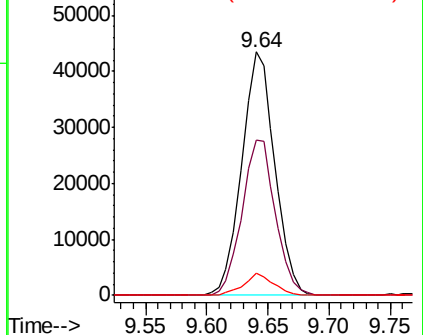
127 9.1 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 19.707 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

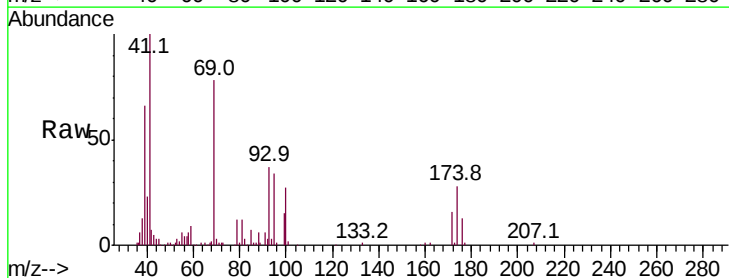
Tgt Ion: 41 Resp: 34415

Ion Ratio Lower Upper

41 100

69 76.1 59.1 88.7

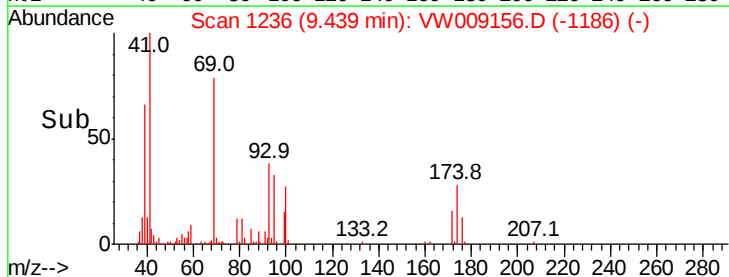
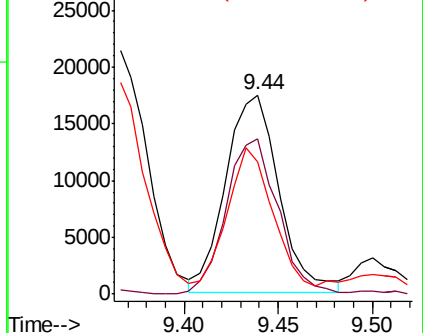
39 57.9 48.9 73.3

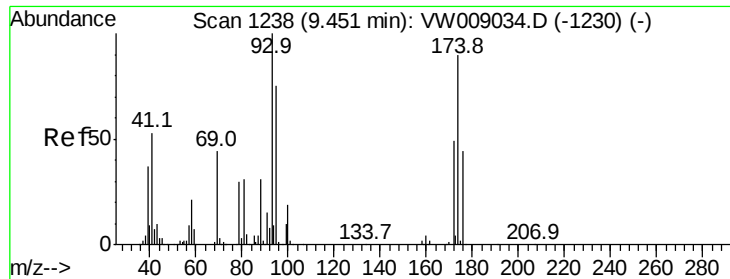


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 351.317 ug/l

RT: 9.47 min Scan# 1241

Delta R.T. 0.02 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

Instrument :

MSVOA_W

ClientSampleId :

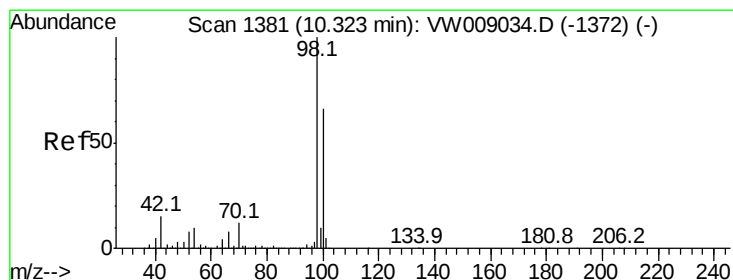
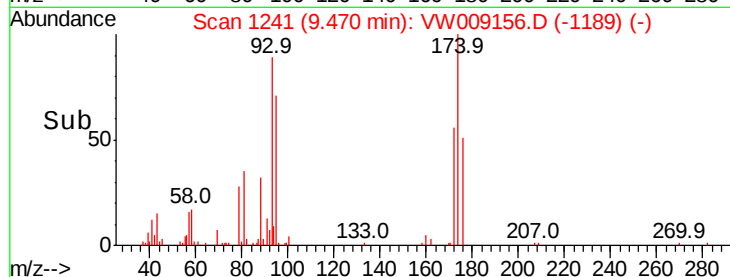
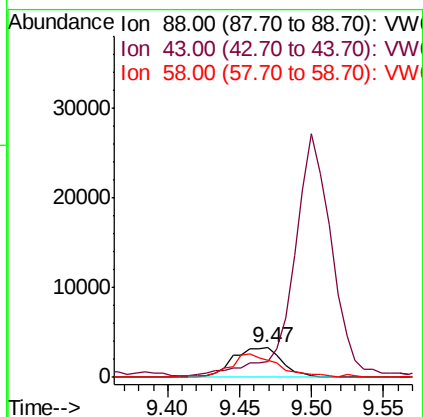
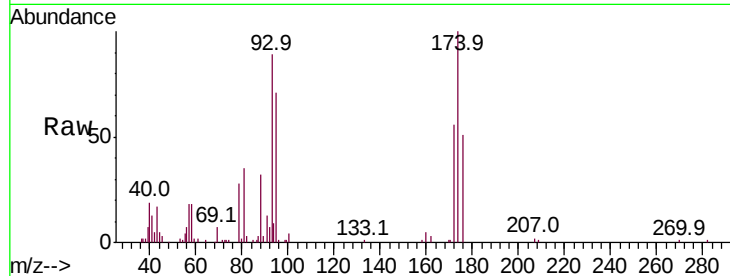
Tot Ion: 88 Resp: 7875

Ion Ratio Lower Upper

88 100

43 0.0 29.0 43.4#

58 79.3 59.2 88.8



#50

Toluene-d8

Concen: 48.813 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009156.D

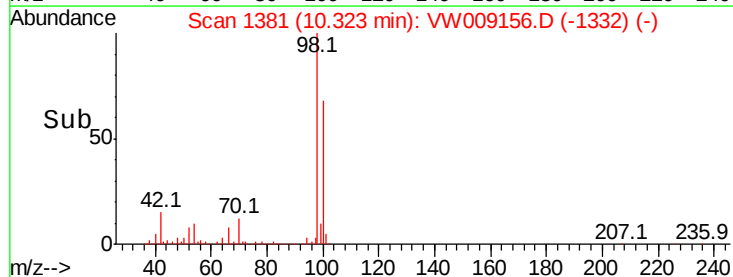
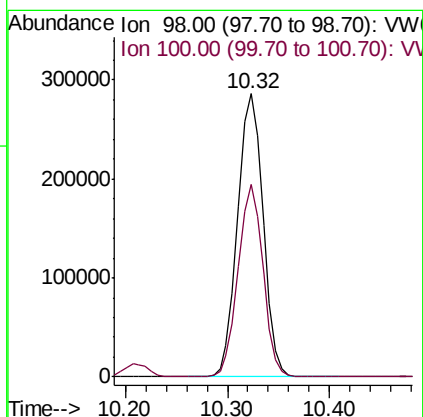
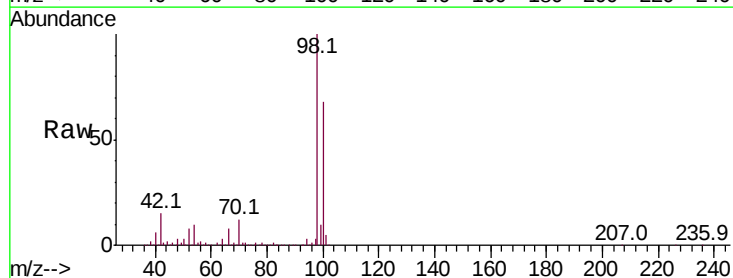
Acq: 13 Mar 2019 15:35

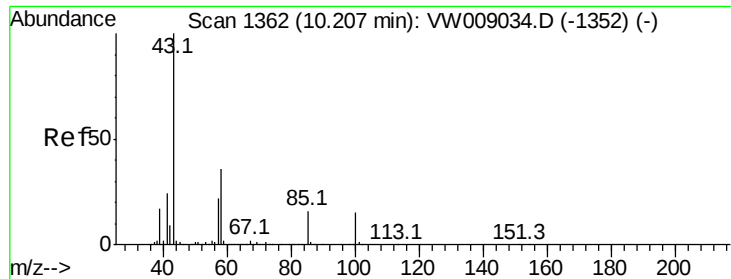
Tgt Ion: 98 Resp: 494909

Ion Ratio Lower Upper

98 100

100 66.3 51.9 77.9

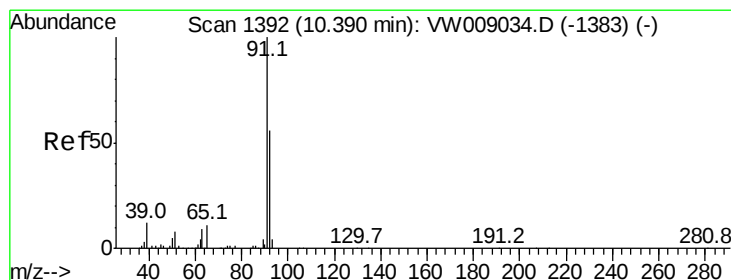
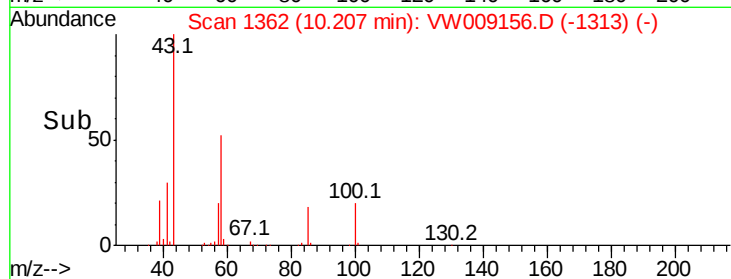
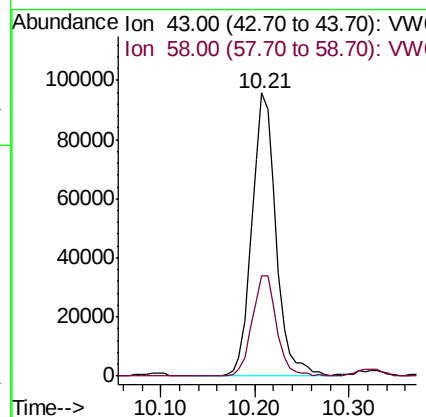
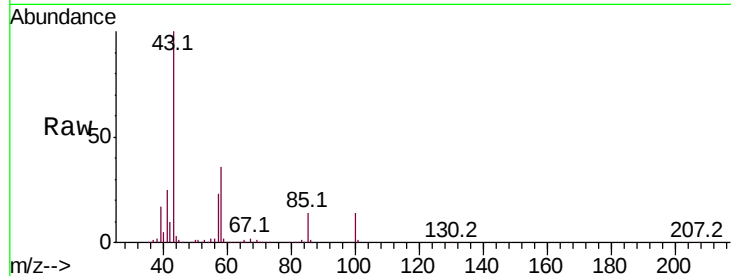




#51
4-Methyl-2-Pentanone
Concen: 90.023 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW009156.D
Acq: 13 Mar 2019 15:35

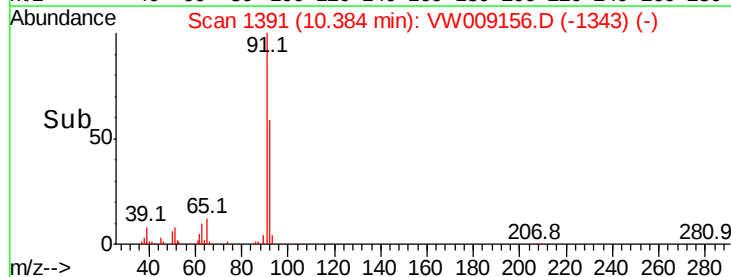
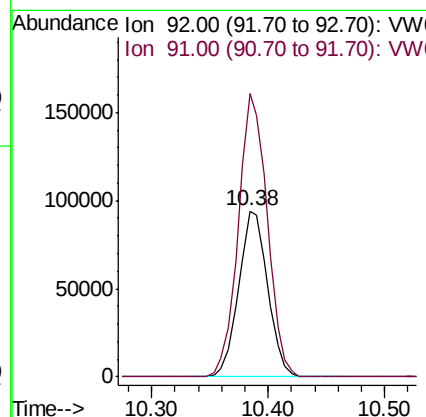
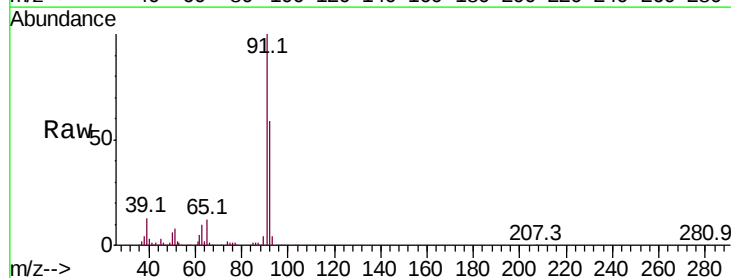
Instrument :
MSVOA_W
ClientSampled :

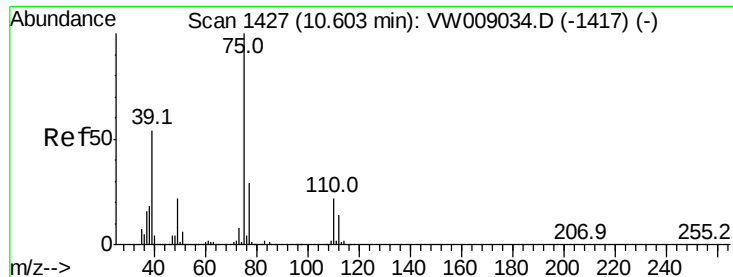
Tot Ion: 43 Resp: 171401
Ion Ratio Lower Upper
43 100
58 36.4 28.8 43.2



#52
Toluene
Concen: 21.056 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW009156.D
Acq: 13 Mar 2019 15:35

Tgt Ion: 92 Resp: 163423
Ion Ratio Lower Upper
92 100
91 170.5 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 19.795 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

Instrument :

MSVOA_W

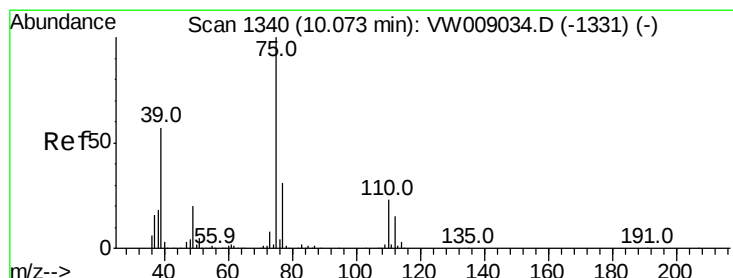
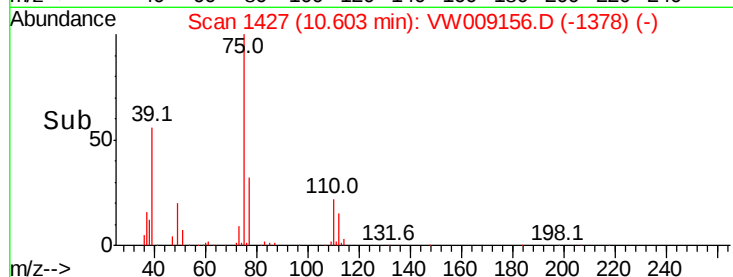
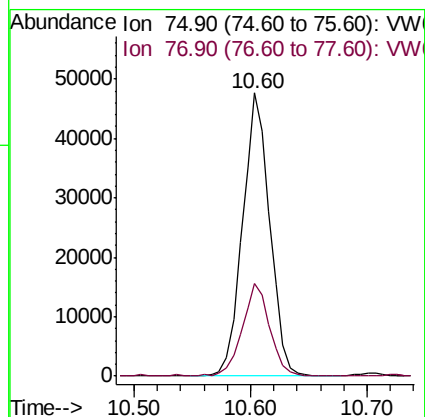
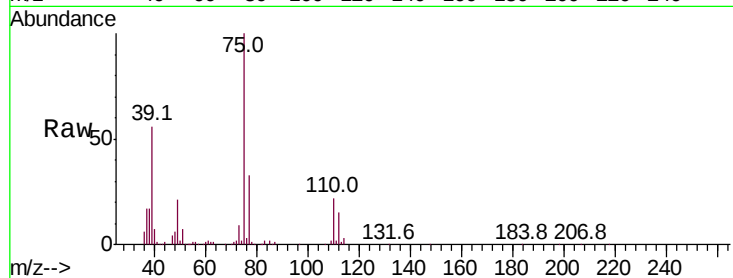
ClientSampled :

Tot Ion: 75 Resp: 77577

Ion Ratio Lower Upper

75 100

77 32.4 23.6 35.4



#54

cis-1,3-Dichloropropene

Concen: 20.414 ug/l

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

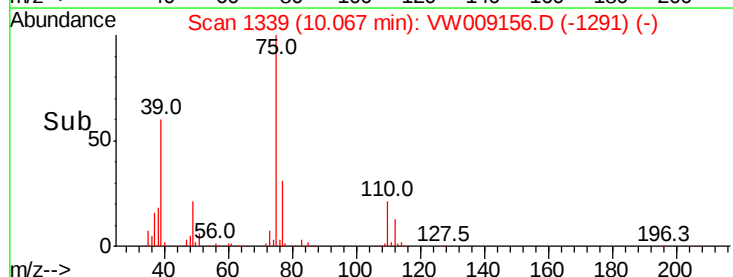
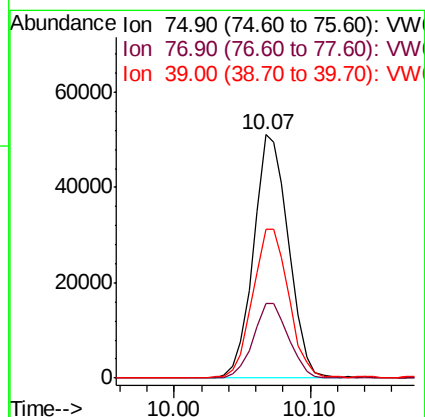
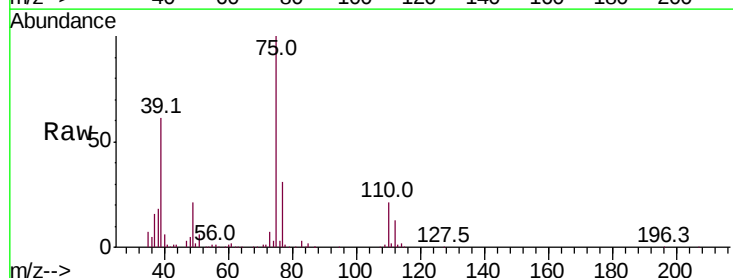
Tgt Ion: 75 Resp: 91937

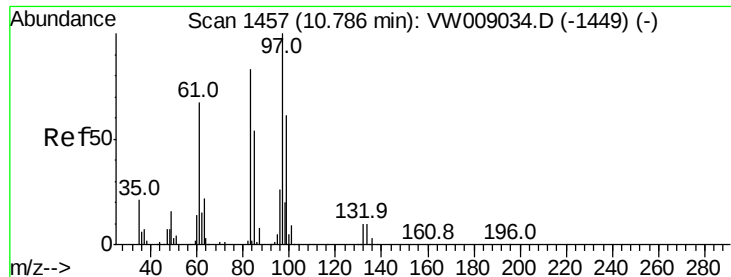
Ion Ratio Lower Upper

75 100

77 30.6 24.6 36.8

39 61.1 45.9 68.9





#55

1,1,2-Trichloroethane

Concen: 19.858 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

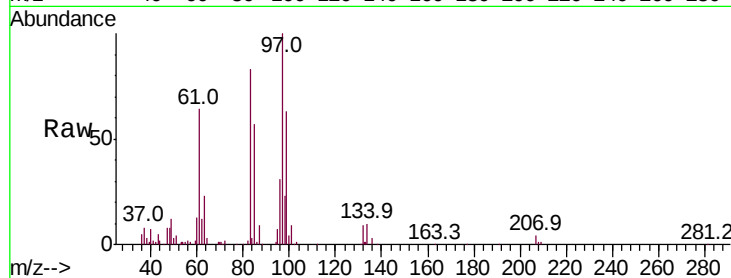
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 42132

Ion	Ratio	Lower	Upper
97	100		
83	83.3	66.2	99.2
85	56.9	43.6	65.4
99	63.4	49.0	73.4



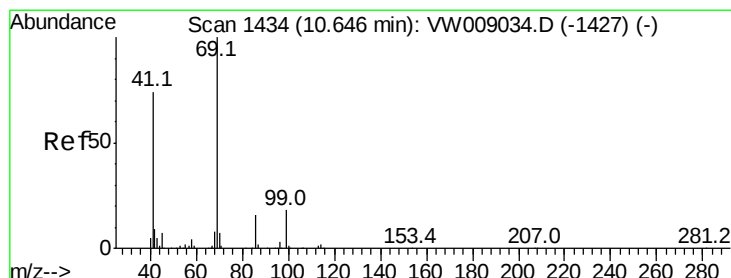
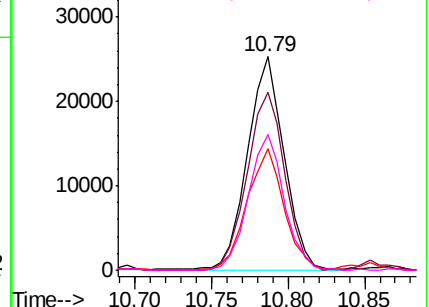
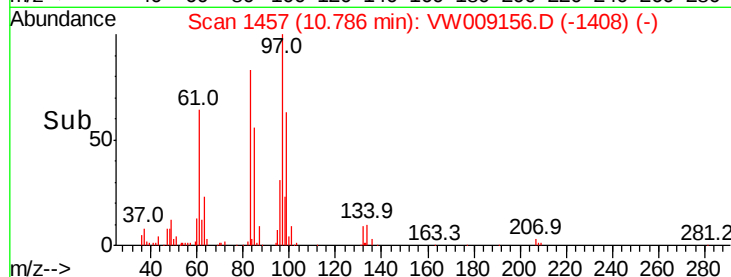
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 18.119 ug/l

RT: 10.65 min Scan# 1434

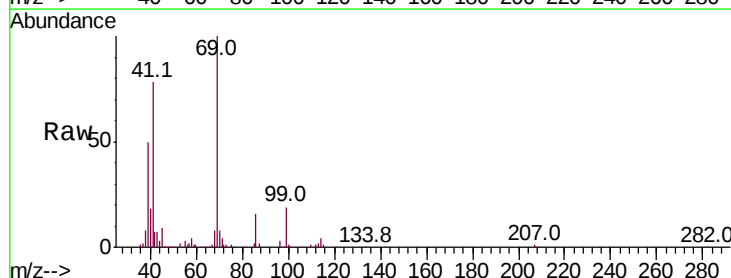
Delta R.T. 0.00 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

Tgt Ion: 69 Resp: 47711

Ion	Ratio	Lower	Upper
69	100		
41	75.4	59.4	89.2
39	46.6	38.5	57.7

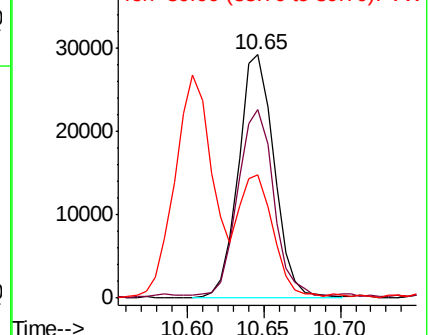
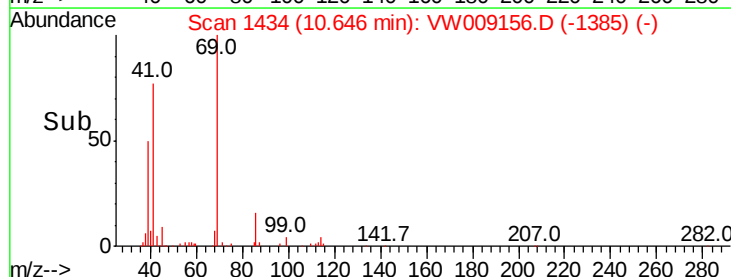


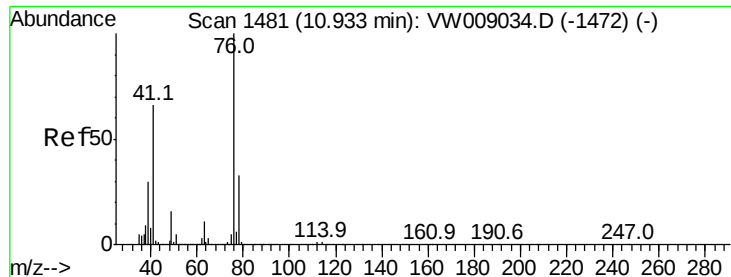
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 19.512 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

Instrument :

MSVOA_W

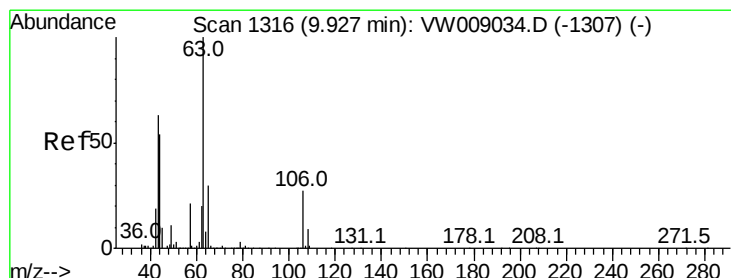
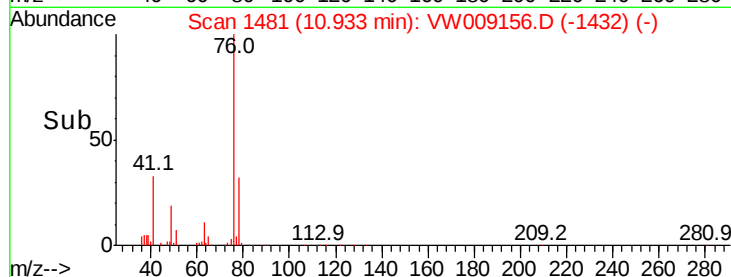
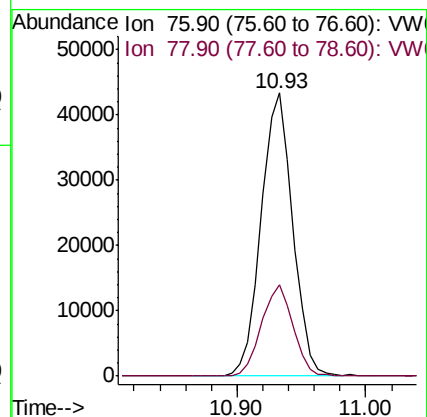
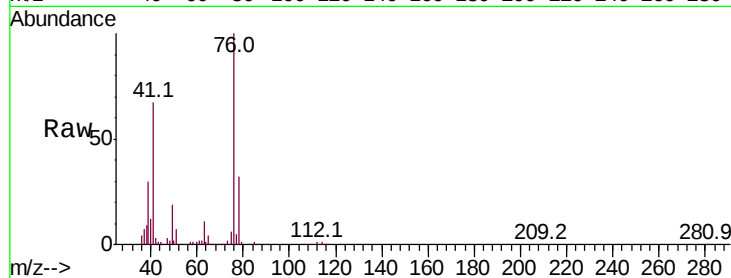
ClientSampleId :

Tot Ion: 76 Resp: 73337

Ion Ratio Lower Upper

76 100

78 32.5 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 93.419 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VW009156.D

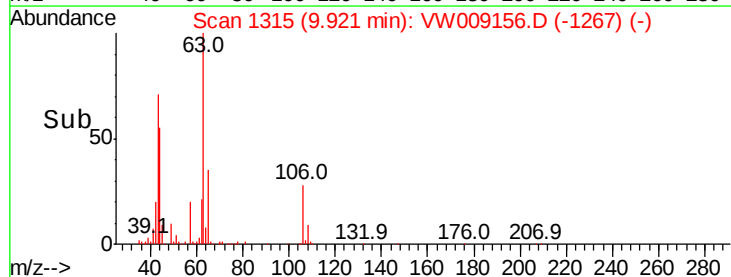
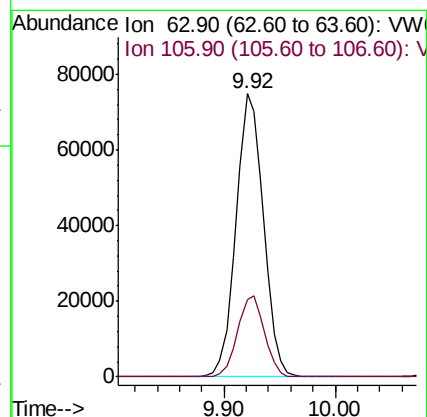
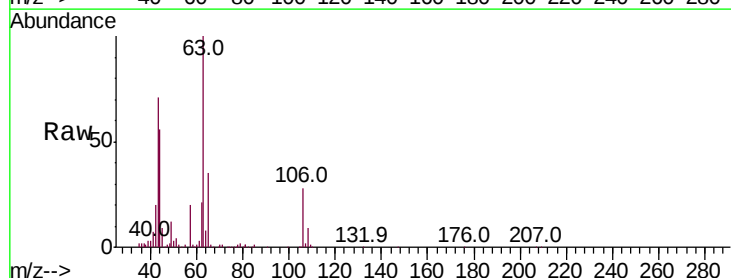
Acq: 13 Mar 2019 15:35

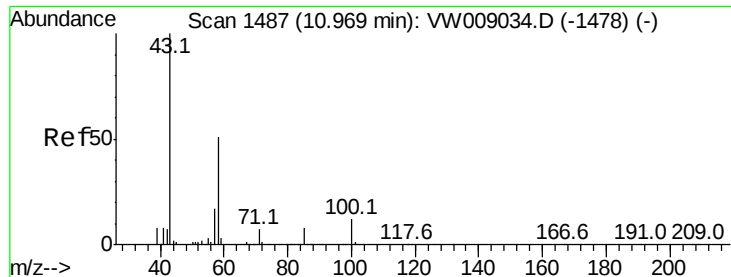
Tgt Ion: 63 Resp: 127522

Ion Ratio Lower Upper

63 100

106 28.2 23.0 34.6





#59

2-Hexanone

Concen: 90.268 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

Instrument :

MSVOA_W

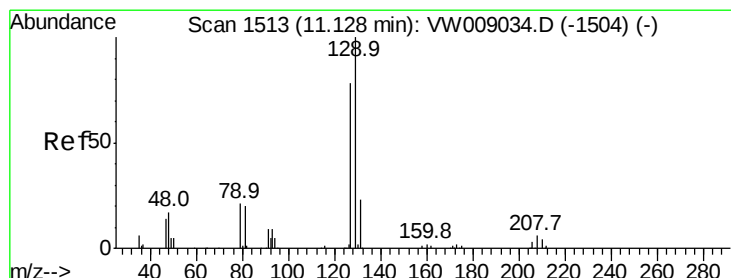
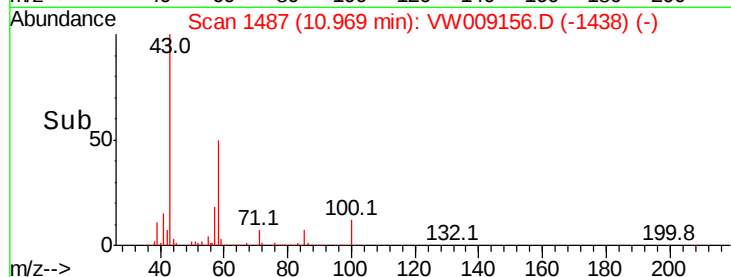
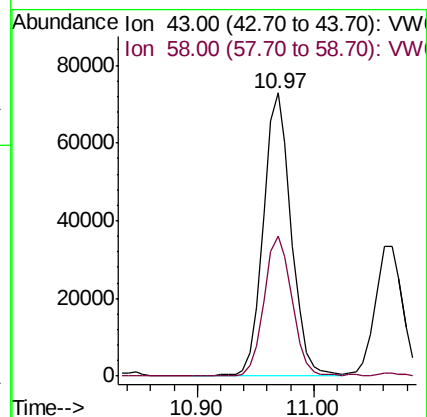
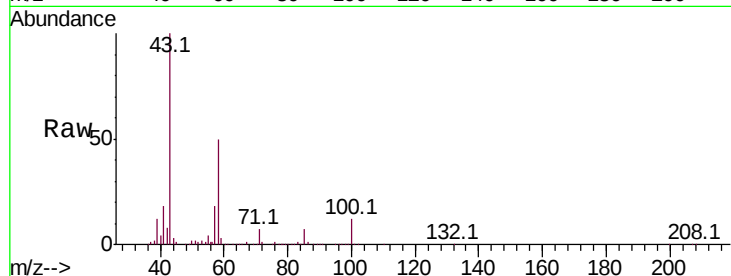
ClientSampled :

Tot Ion: 43 Resp: 120837

Ion Ratio Lower Upper

43 100

58 49.6 25.3 75.9



#60

Dibromochloromethane

Concen: 19.378 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW009156.D

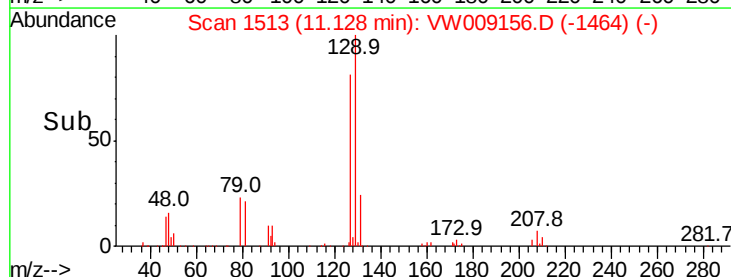
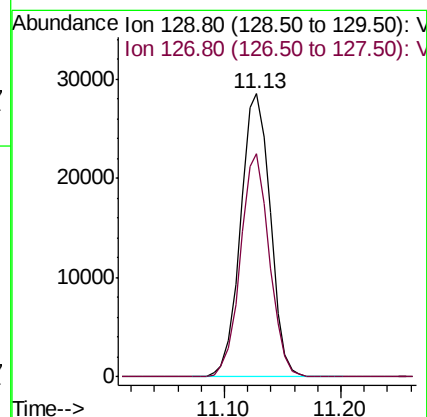
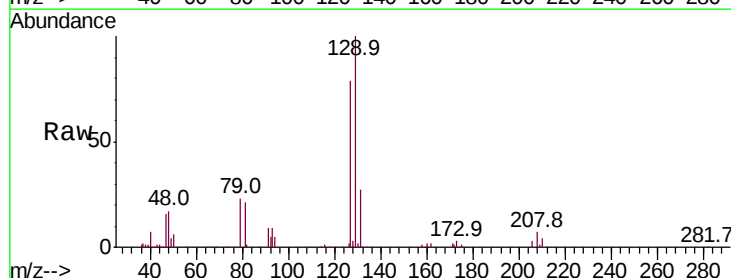
Acq: 13 Mar 2019 15:35

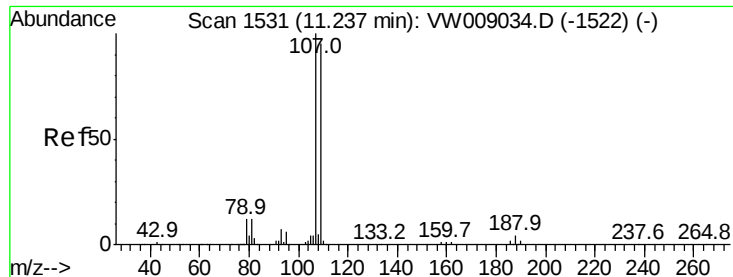
Tgt Ion: 129 Resp: 50879

Ion Ratio Lower Upper

129 100

127 76.8 38.4 115.1





#61

1,2-Dibromoethane

Concen: 18.470 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

Instrument :

MSVOA_W

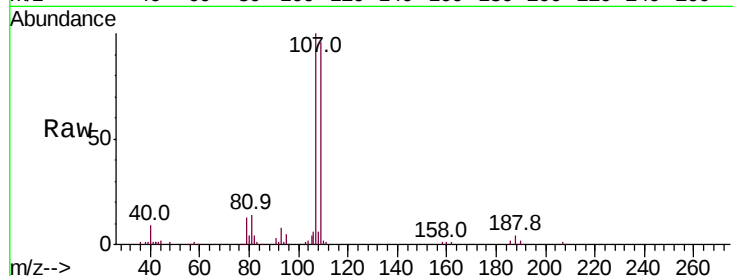
ClientSampleId :

Tot Ion:107 Resp: 38416

Ion Ratio Lower Upper

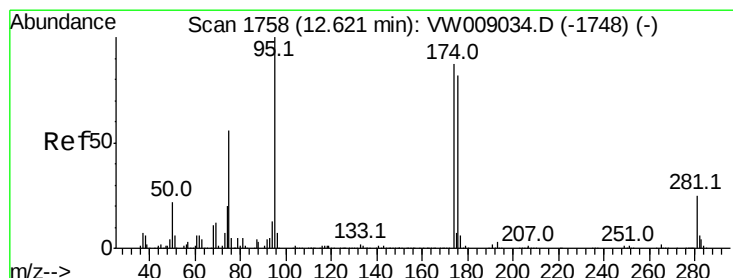
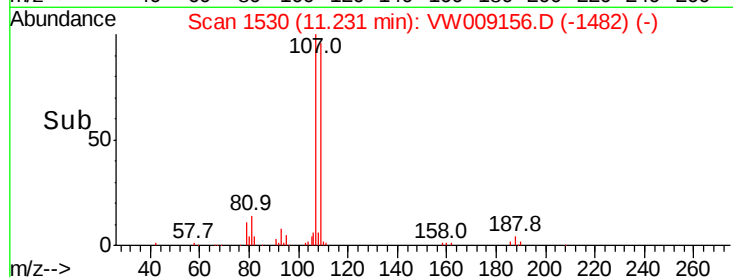
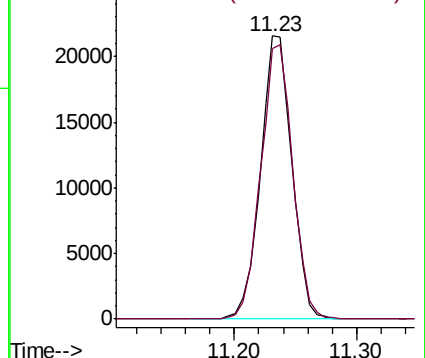
107 100

109 98.8 74.7 112.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.128 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

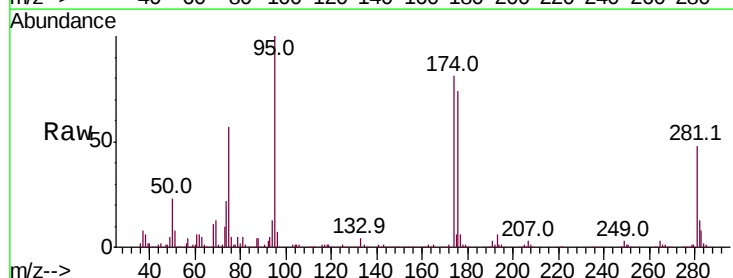
Tgt Ion: 95 Resp: 184110

Ion Ratio Lower Upper

95 100

174 84.1 0.0 167.0

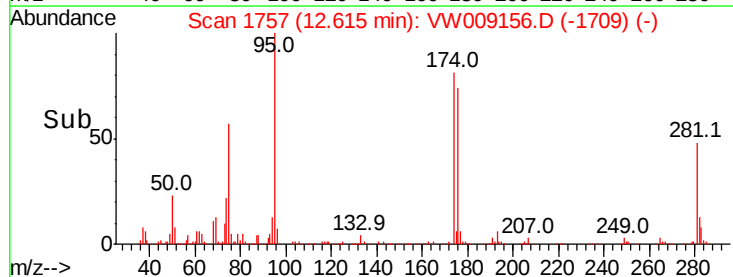
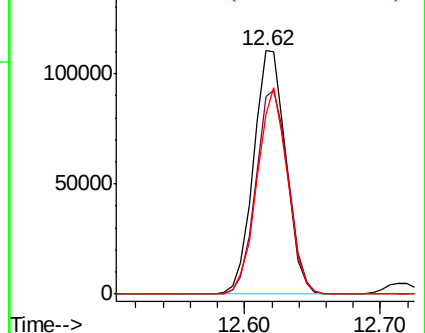
176 80.1 0.0 159.4

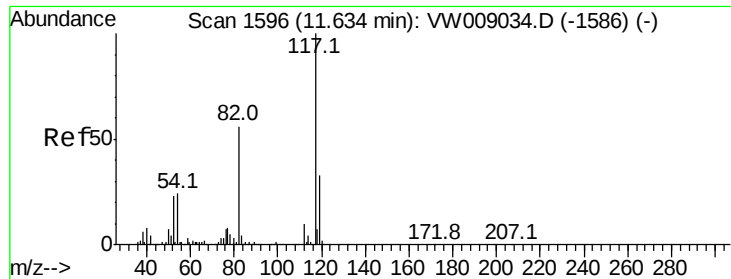


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

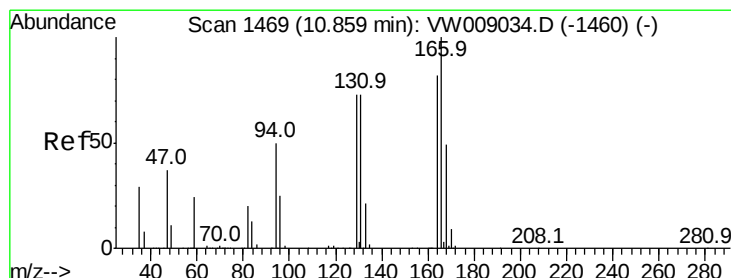
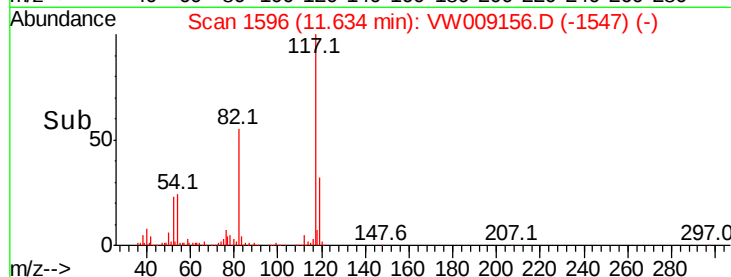
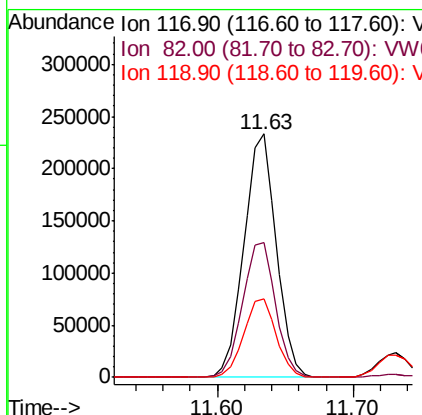
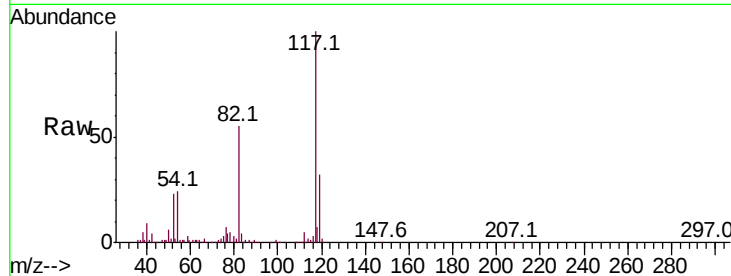




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009156.D
Acq: 13 Mar 2019 15:35

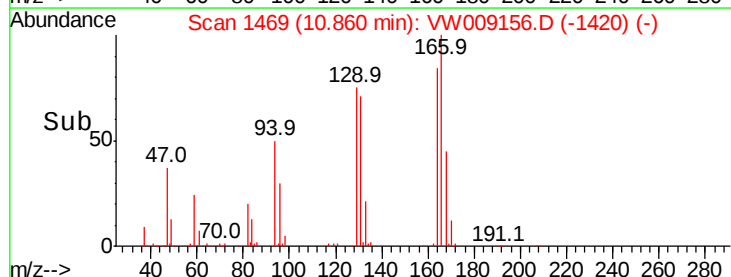
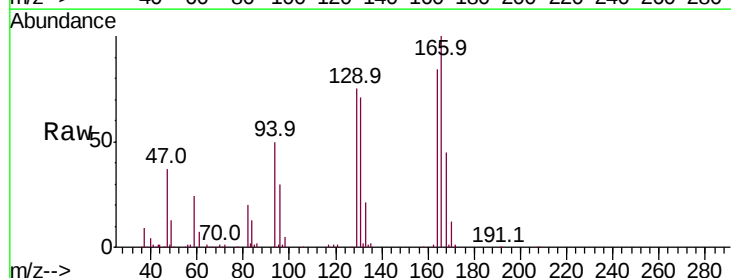
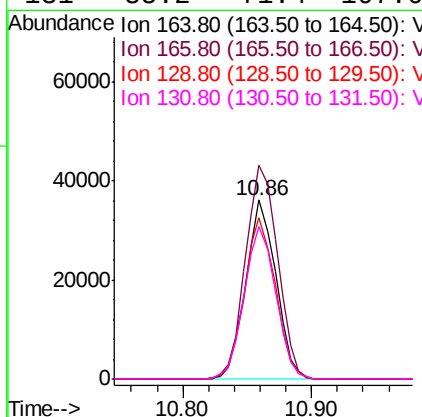
Instrument :
MSVOA_W
ClientSampleId :

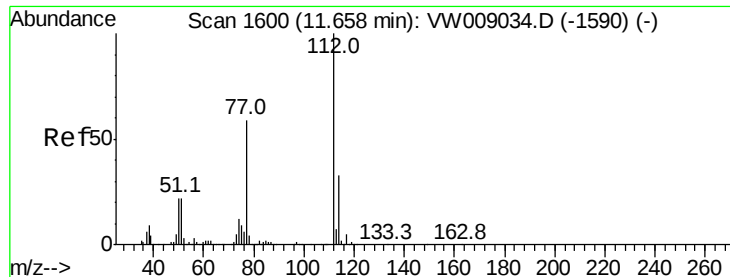
Tot Ion:117 Resp: 387133
Ion Ratio Lower Upper
117 100
82 55.3 45.0 67.6
119 32.4 26.6 39.8



#64
Tetrachloroethene
Concen: 20.881 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW009156.D
Acq: 13 Mar 2019 15:35

Tgt Ion:164 Resp: 58295
Ion Ratio Lower Upper
164 100
166 119.5 97.8 146.6
129 90.0 71.6 107.4
131 85.2 71.4 107.0





#65

Chlorobenzene

Concen: 21.046 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

Instrument :

MSVOA_W

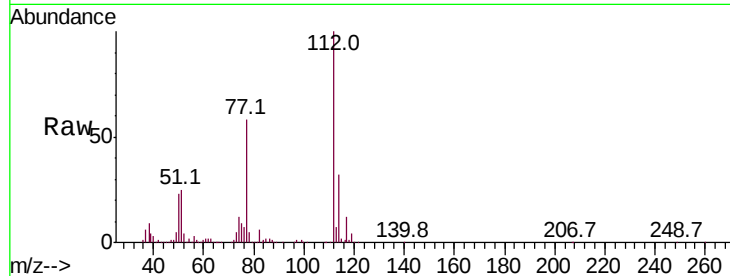
ClientSampled :

Tot Ion:112 Resp: 177343

Ion Ratio Lower Upper

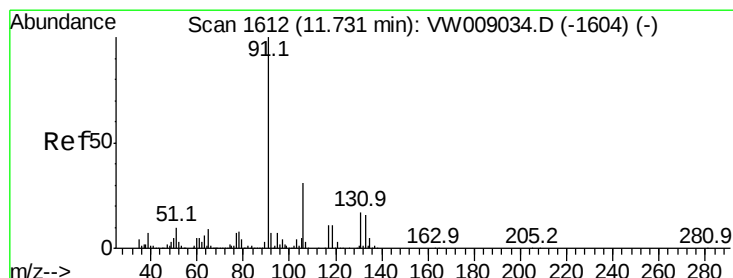
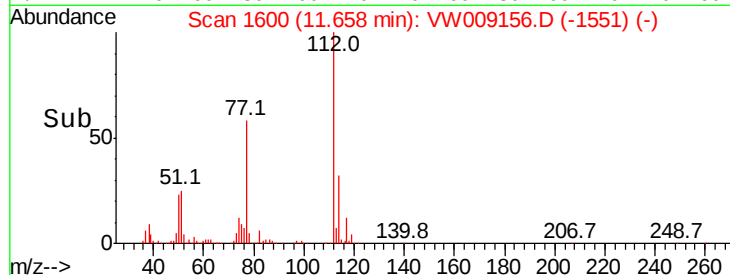
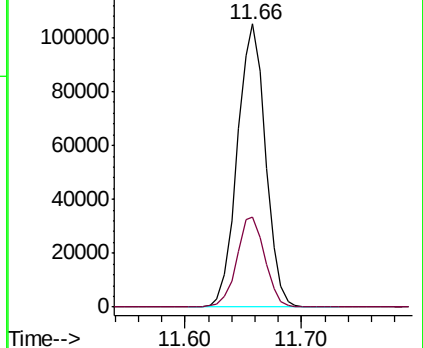
112 100

114 31.6 26.6 40.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.445 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

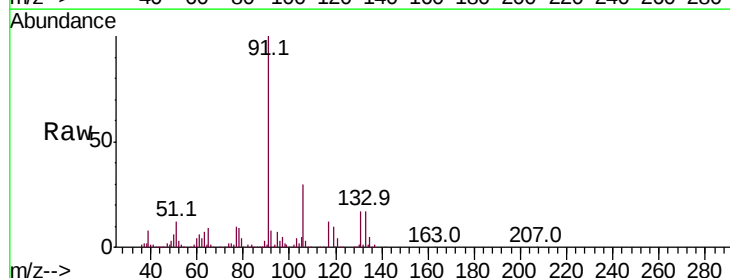
Tgt Ion:131 Resp: 57523

Ion Ratio Lower Upper

131 100

133 96.8 47.6 142.8

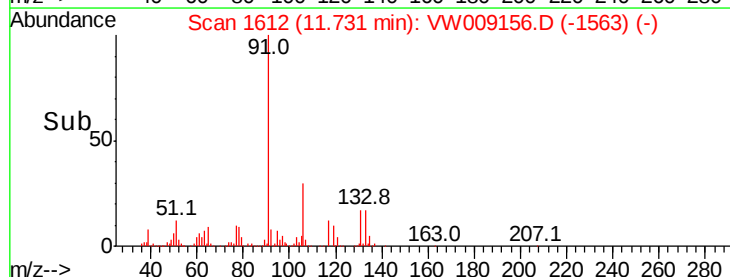
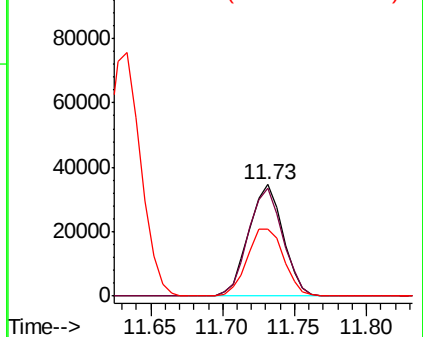
119 63.9 31.3 93.8

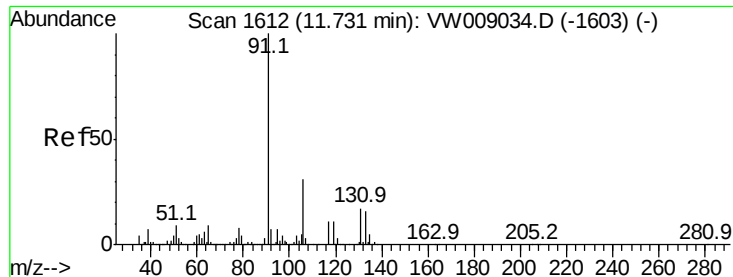


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

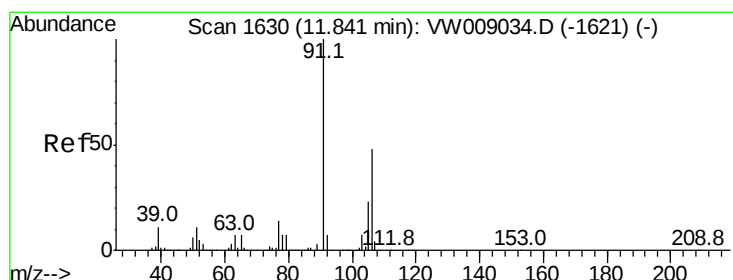
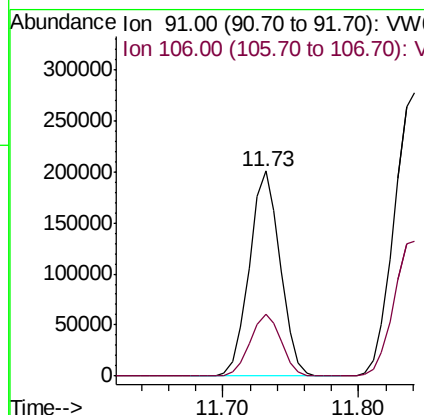
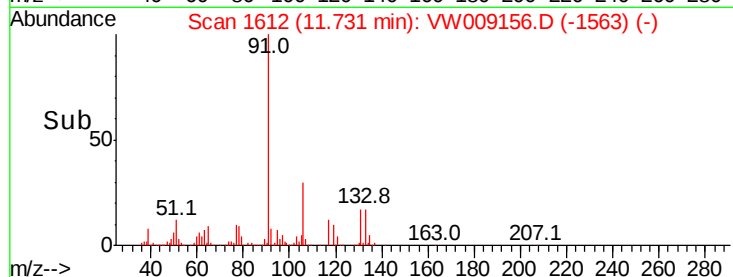
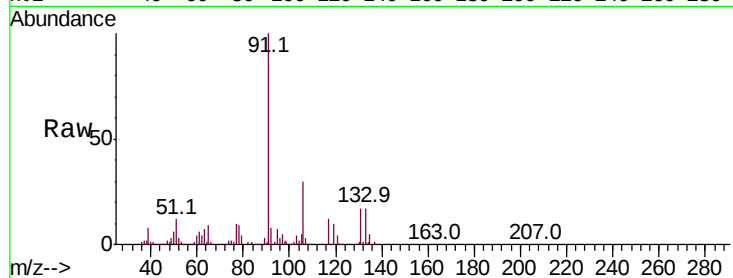




#67
Ethyl Benzene
Concen: 20.953 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009156.D
Acq: 13 Mar 2019 15:35

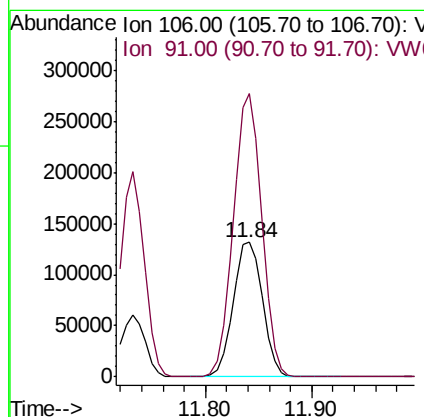
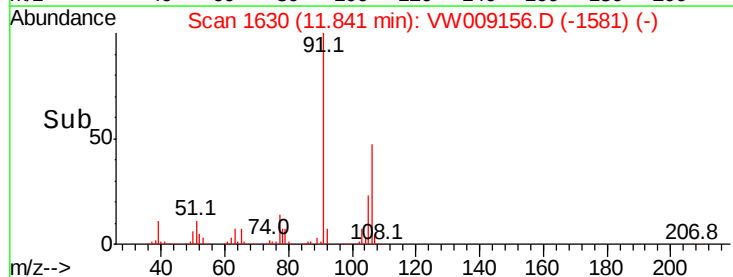
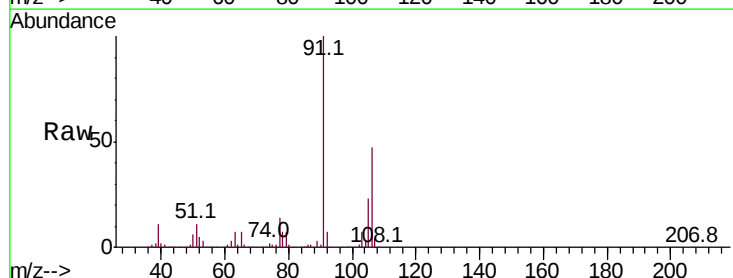
Instrument :
MSVOA_W
ClientSampleId :

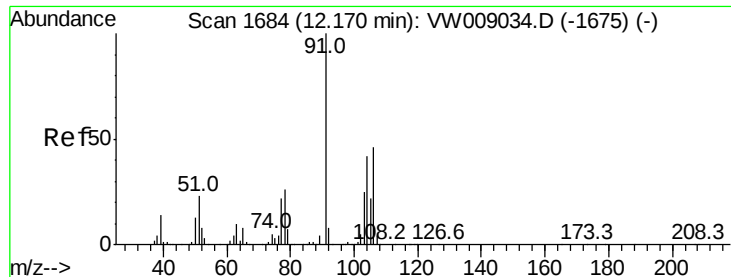
Tot Ion: 91 Resp: 318966
Ion Ratio Lower Upper
91 100
106 30.3 25.0 37.4



#68
m/p-Xylenes
Concen: 42.241 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW009156.D
Acq: 13 Mar 2019 15:35

Tgt Ion: 106 Resp: 253812
Ion Ratio Lower Upper
106 100
91 204.4 163.2 244.8

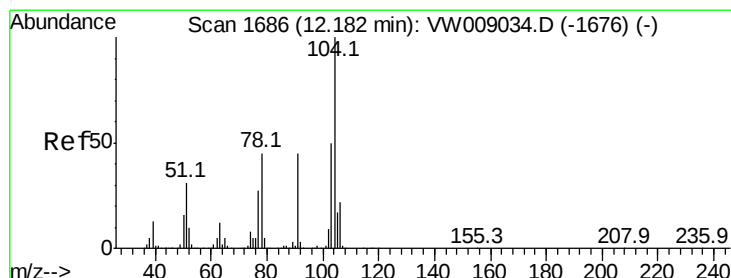
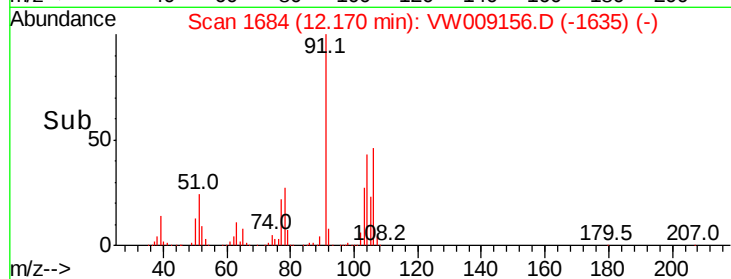
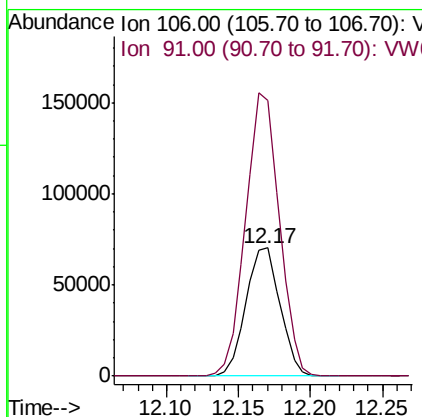
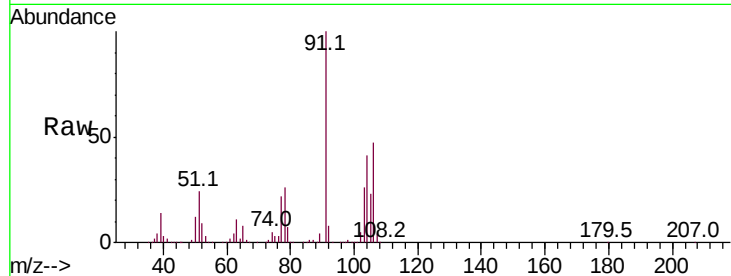




#69
o-Xylene
Concen: 20.657 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW009156.D
Acq: 13 Mar 2019 15:35

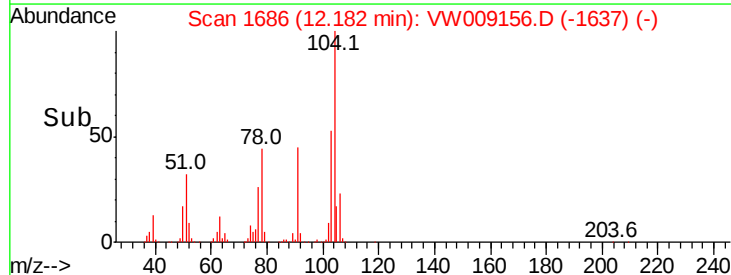
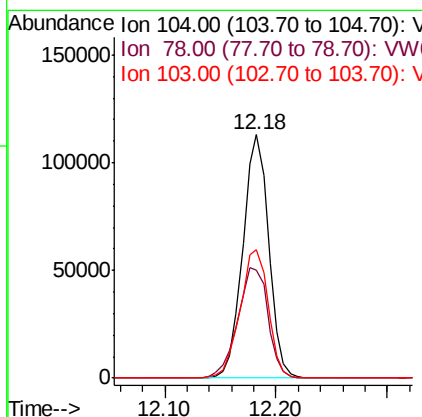
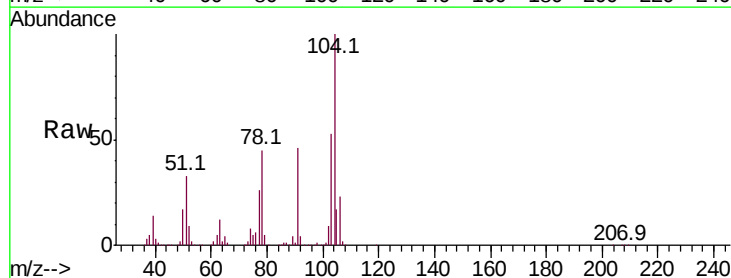
Instrument :
MSVOA_W
ClientSampleId :

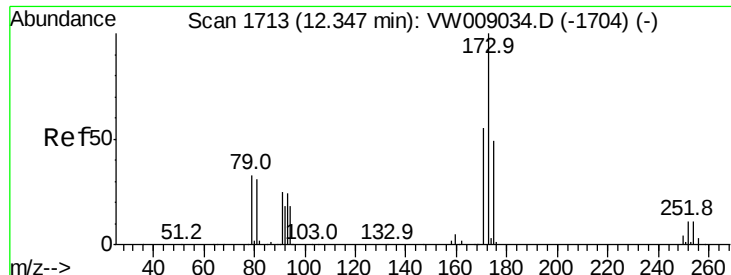
Tot Ion:106 Resp: 115487
Ion Ratio Lower Upper
106 100
91 218.3 108.6 325.6



#70
Styrene
Concen: 20.214 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW009156.D
Acq: 13 Mar 2019 15:35

Tgt Ion:104 Resp: 182846
Ion Ratio Lower Upper
104 100
78 52.8 42.1 63.1
103 57.4 43.9 65.9

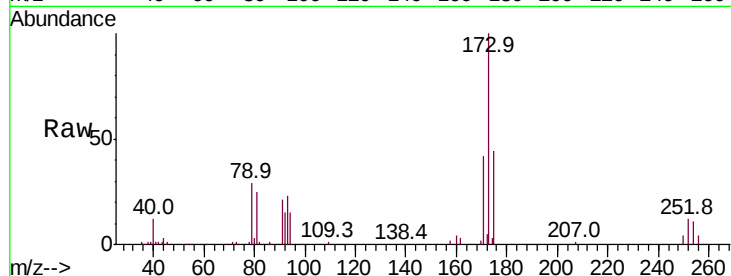




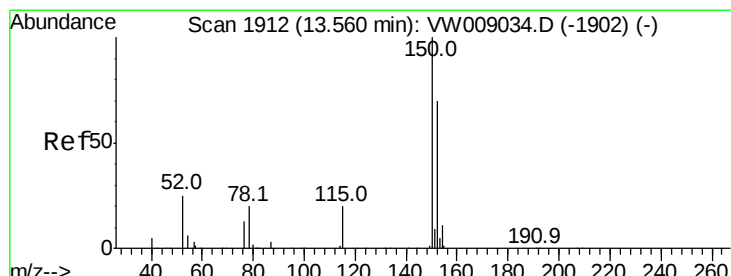
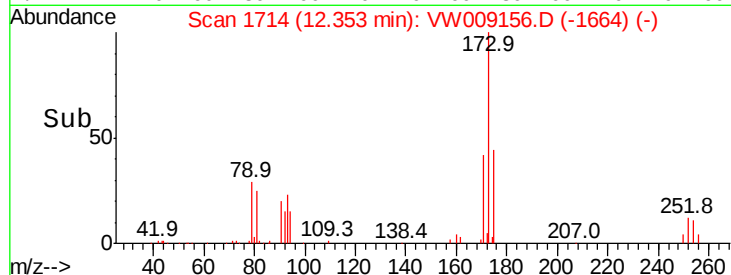
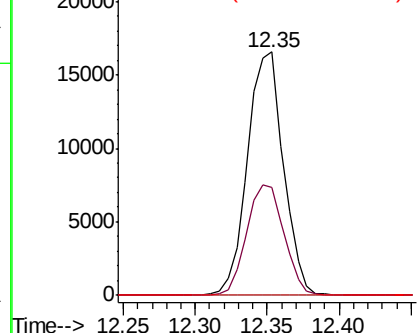
#71
Bromoform
Concen: 18.894 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.01 min
Lab File: VW009156.D
Acq: 13 Mar 2019 15:35

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:173 Resp: 28543
Ion Ratio Lower Upper
173 100
175 47.0 24.6 74.0
254 0.0 0.0 0.0

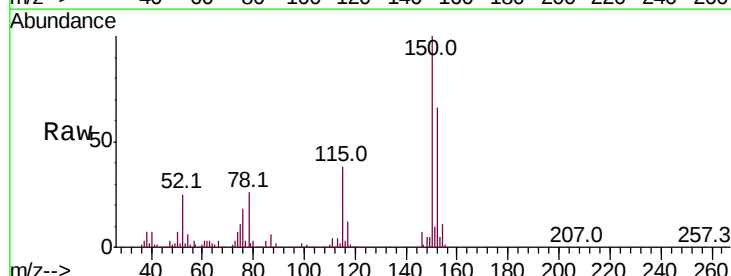


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

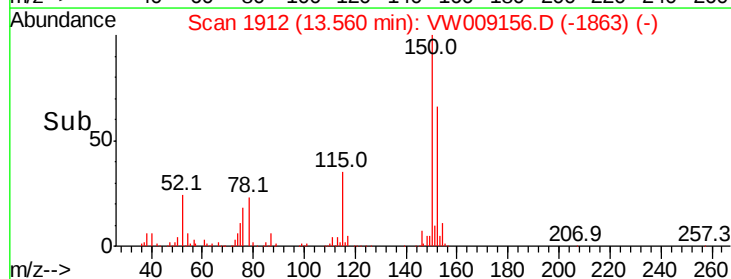
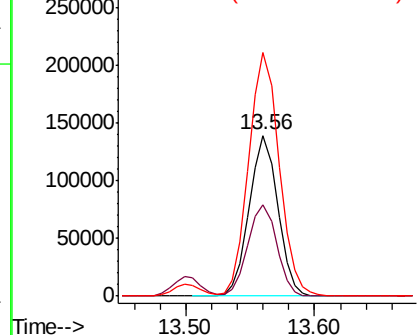


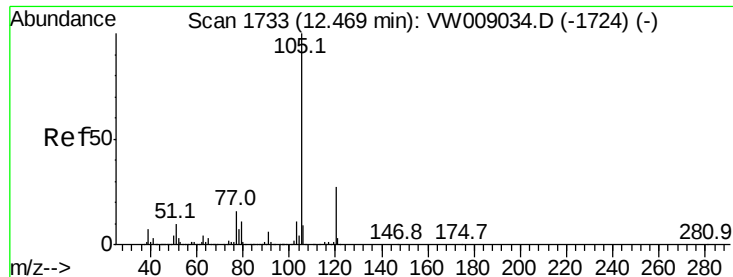
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW009156.D
Acq: 13 Mar 2019 15:35

Tgt Ion:152 Resp: 212970
Ion Ratio Lower Upper
152 100
115 58.1 28.9 86.7
150 161.8 0.0 349.2



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: 21.495 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

Instrument :

MSVOA_W

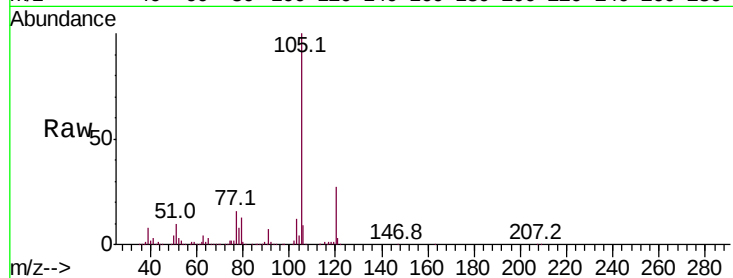
ClientSampleId :

Tot Ion:105 Resp: 327822

Ion Ratio Lower Upper

105 100

120 26.6 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

200000

150000

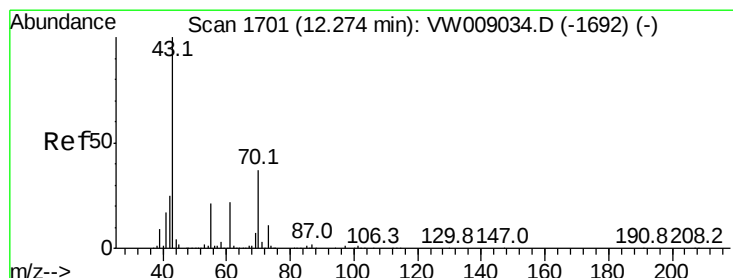
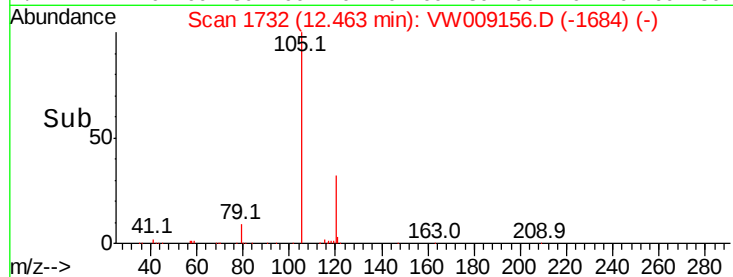
100000

50000

0

Time-->

12.40 12.50



#74

N-ethyl acetate

Concen: 18.549 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

Tgt Ion: 43 Resp: 66970

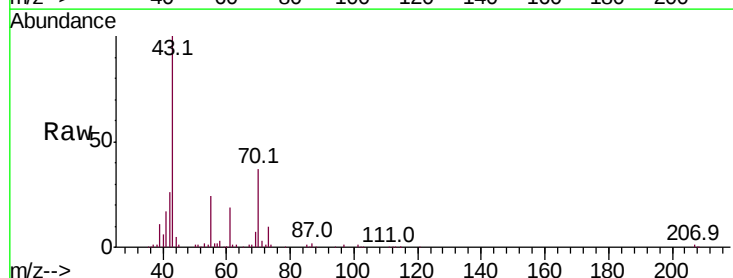
Ion Ratio Lower Upper

43 100

70 37.2 30.8 46.2

55 24.9 17.8 26.8

61 21.7 17.4 26.2



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

60000

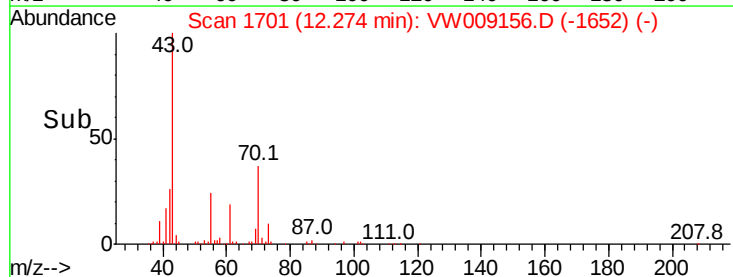
40000

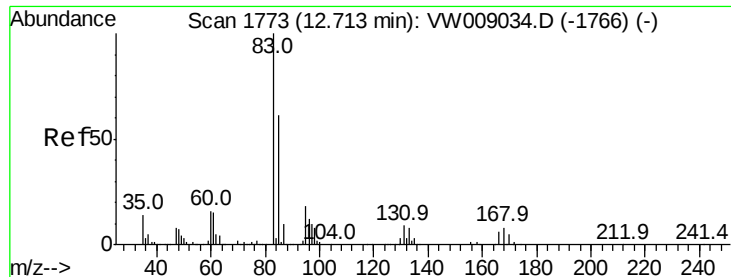
20000

0

Time-->

12.20 12.30





#75

1,1,2,2-Tetrachloroethane

Concen: 19.141 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

Instrument :

MSVOA_W

ClientSampleId :

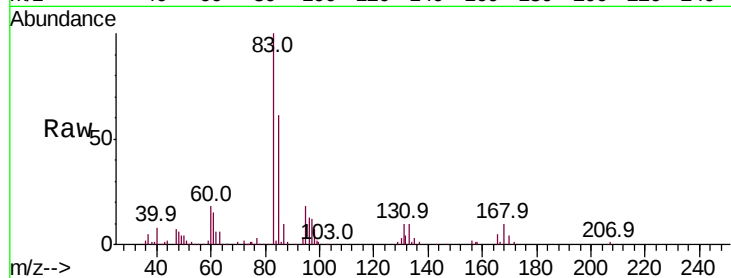
Tot Ion: 83 Resp: 46049

Ion Ratio Lower Upper

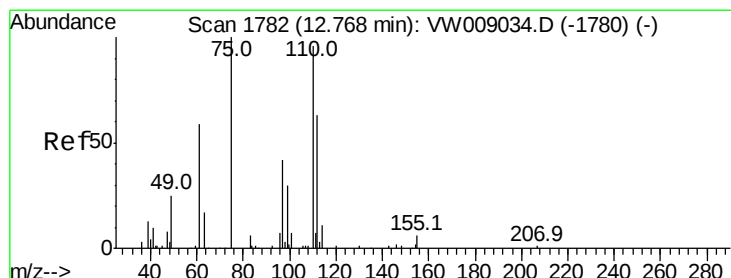
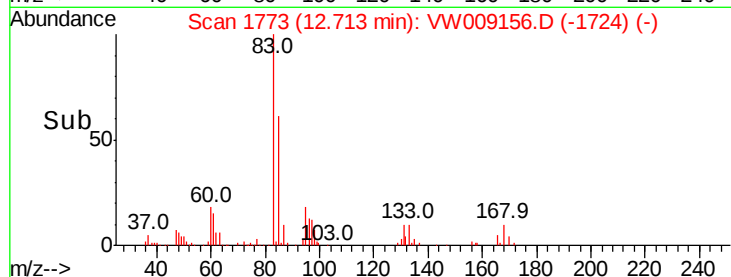
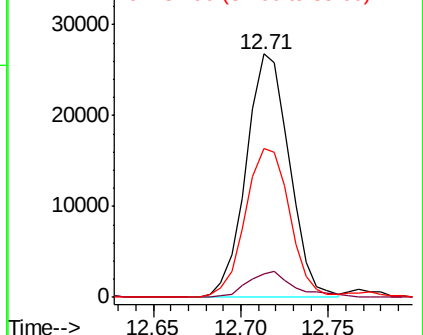
83 100

131 11.3 5.5 16.7

85 63.1 31.7 95.1



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 38.255 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW009156.D

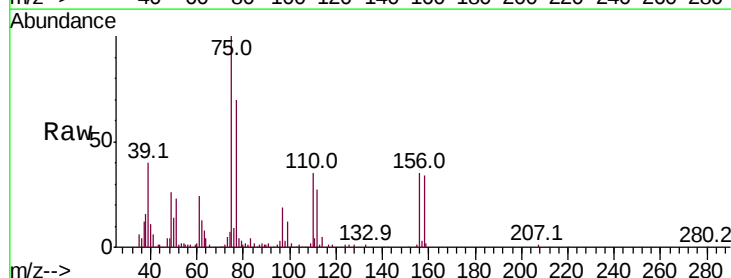
Acq: 13 Mar 2019 15:35

Tgt Ion: 75 Resp: 64370

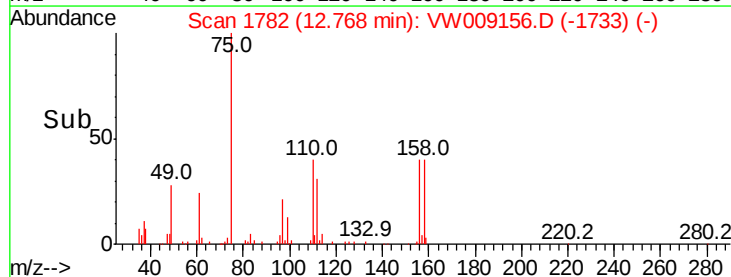
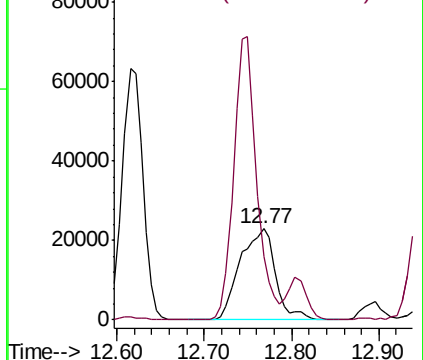
Ion Ratio Lower Upper

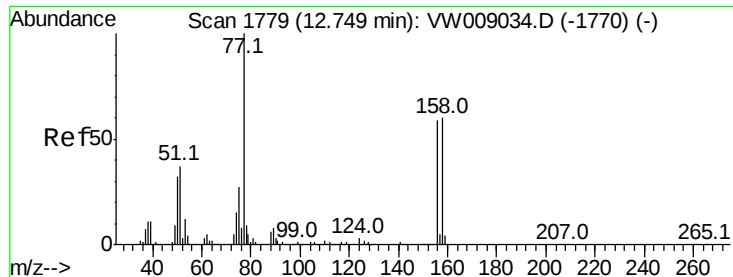
75 100

77 203.7 186.7 560.0



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.239 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

Instrument :

MSVOA_W

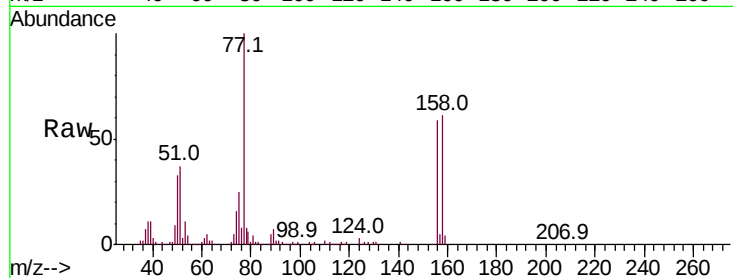
ClientSampleId :

Tot Ion:156 Resp: 70527

Ion	Ratio	Lower	Upper
156	100		
77	185.9	93.0	279.2
158	99.6	50.0	149.8

77 185.9 93.0 279.2

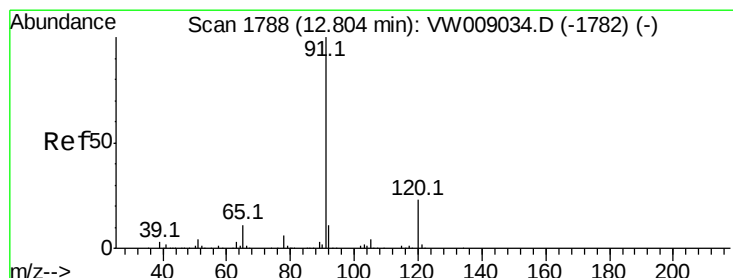
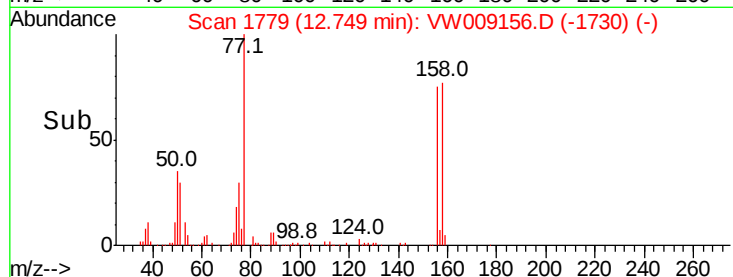
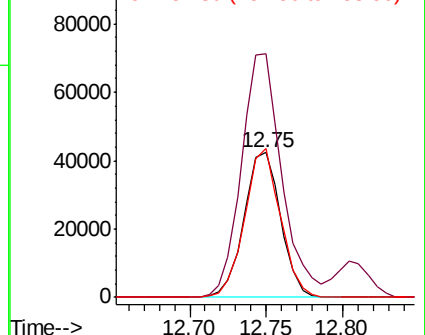
158 99.6 50.0 149.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.628 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW009156.D

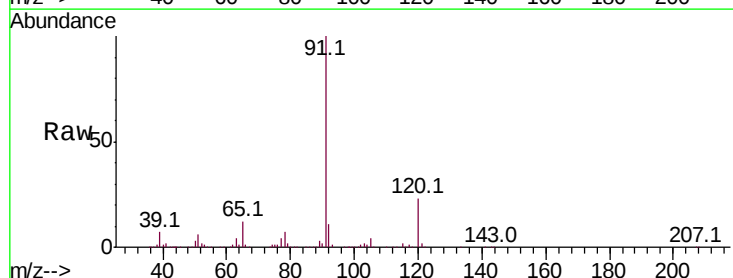
Acq: 13 Mar 2019 15:35

Tgt Ion: 91 Resp: 406291

Ion	Ratio	Lower	Upper
91	100		
120	23.1	11.4	34.2

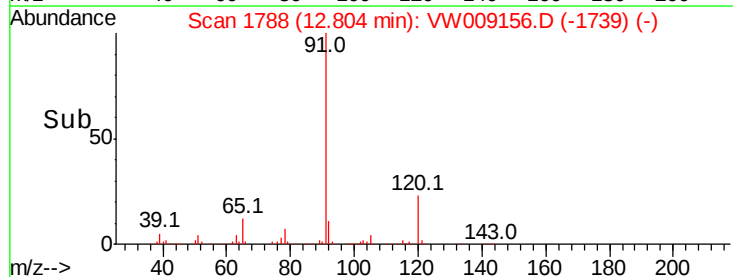
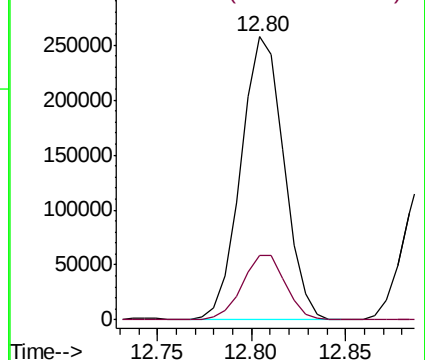
91 100

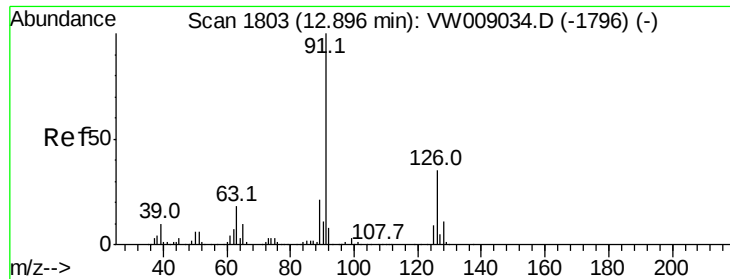
120 23.1 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

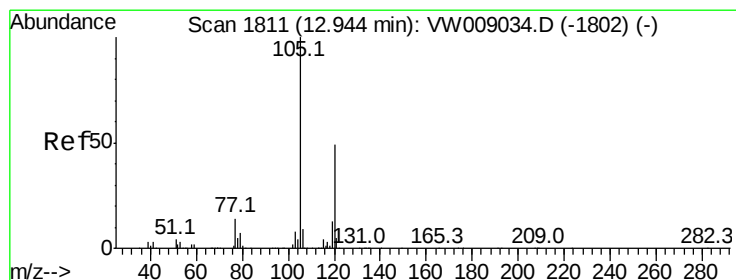
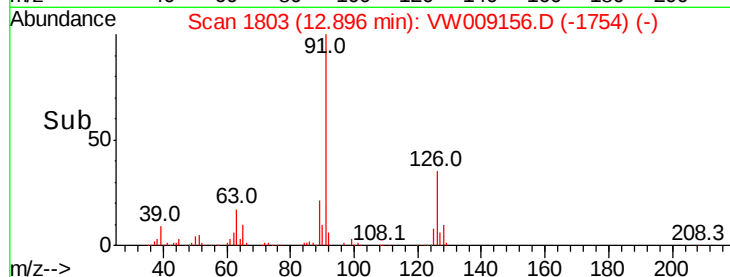
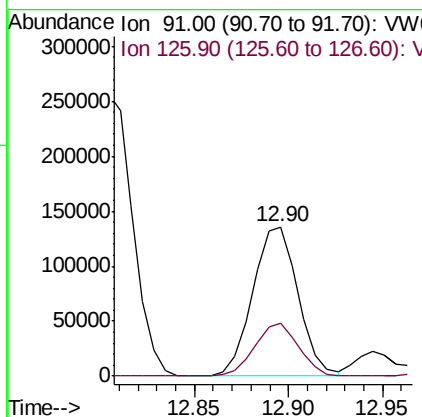
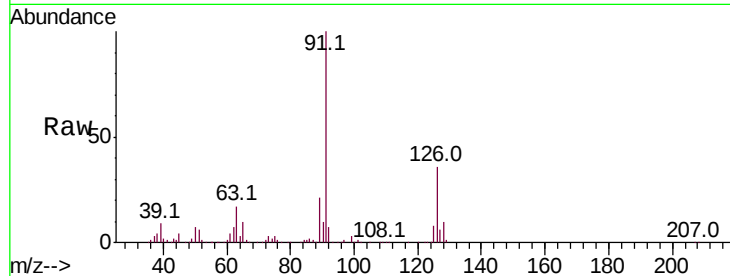




#79
 2-Chlorotoluene
 Concen: 21.409 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VW009156.D
 Acq: 13 Mar 2019 15:35

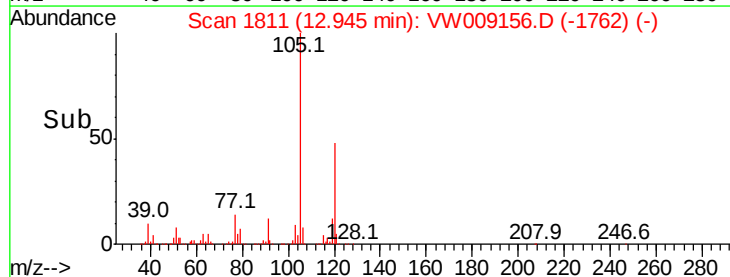
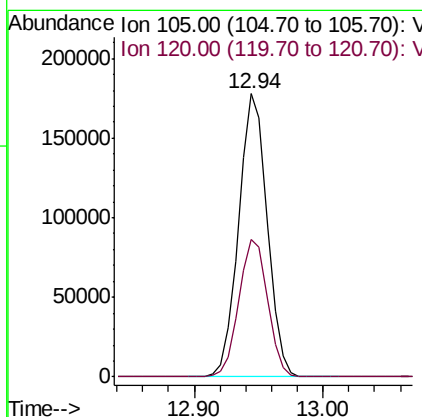
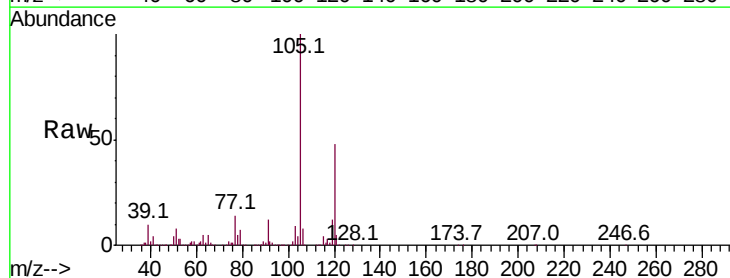
Instrument :
 MSVOA_W
 ClientSampled :

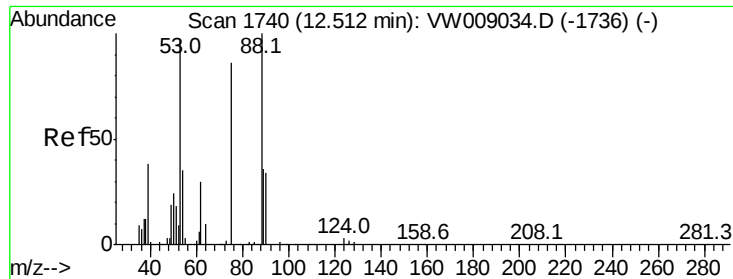
Tot Ion: 91 Resp: 225965
 Ion Ratio Lower Upper
 91 100
 126 34.5 16.8 50.4



#80
 1,3,5-Trimethylbenzene
 Concen: 20.669 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW009156.D
 Acq: 13 Mar 2019 15:35

Tgt Ion: 105 Resp: 271721
 Ion Ratio Lower Upper
 105 100
 120 49.2 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 17.534 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

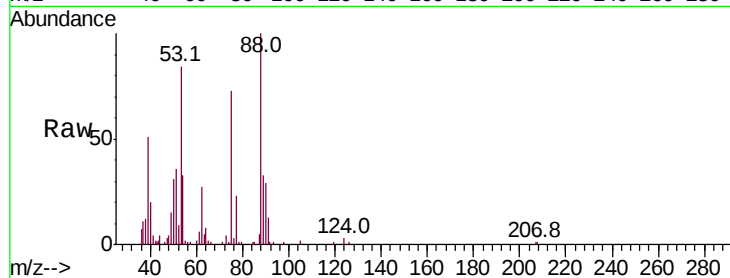
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 75 Resp: 13190

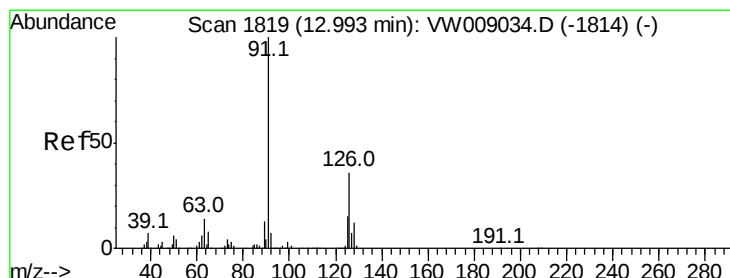
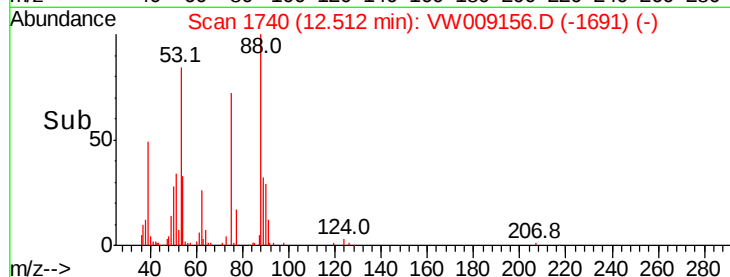
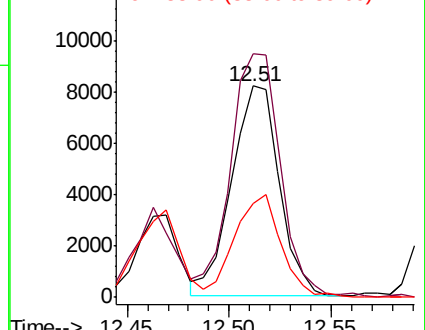
Ion	Ratio	Lower	Upper
75	100		
53	122.9	90.5	135.7
89	48.1	37.5	56.3



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 21.136 ug/l

RT: 12.99 min Scan# 1818

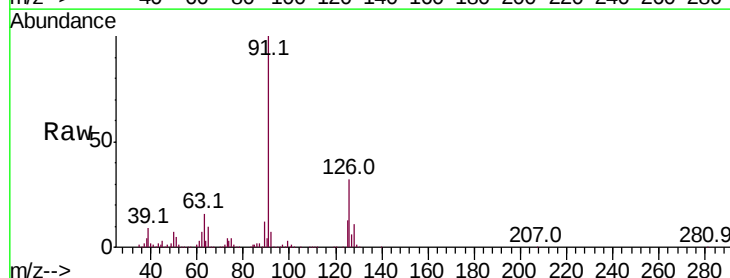
Delta R.T. -0.01 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

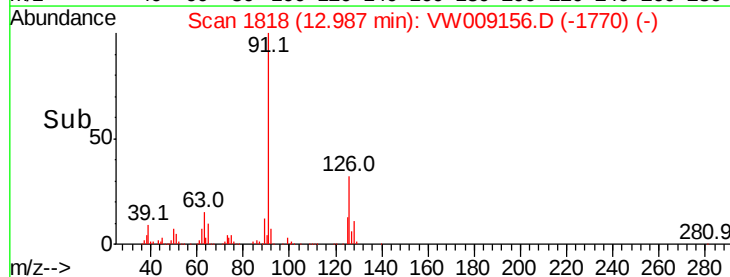
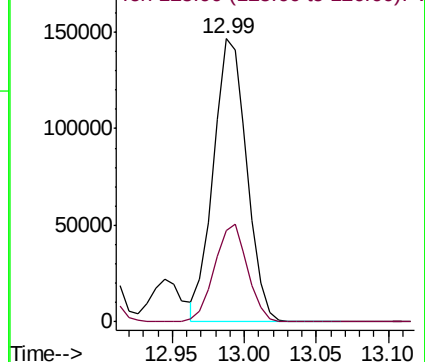
Tgt Ion: 91 Resp: 237798

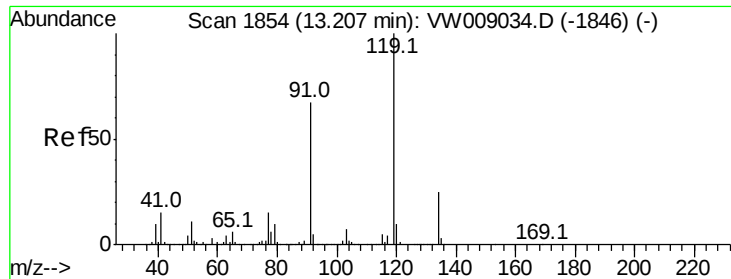
Ion	Ratio	Lower	Upper
91	100		
126	34.2	16.6	49.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

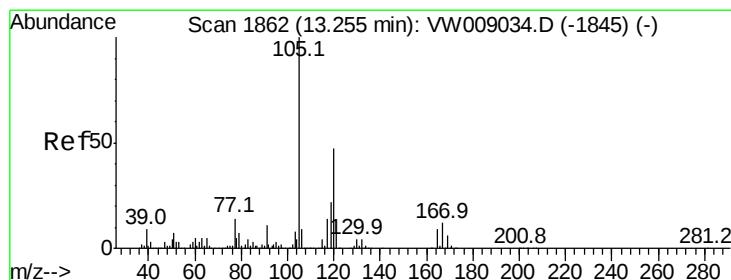
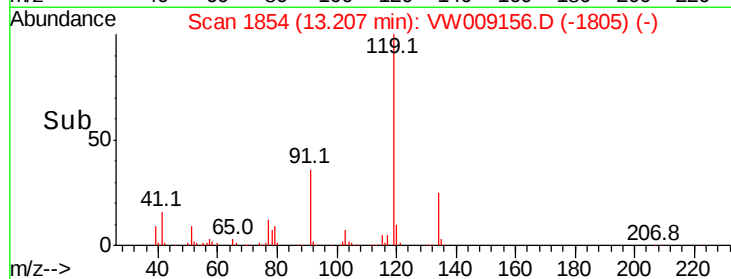
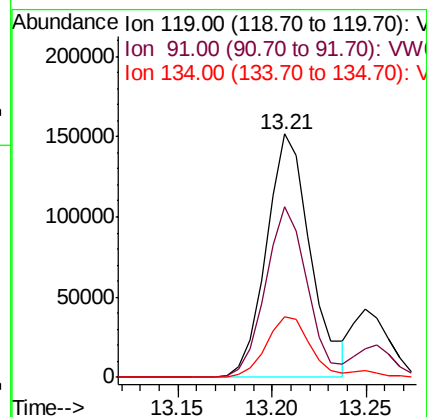
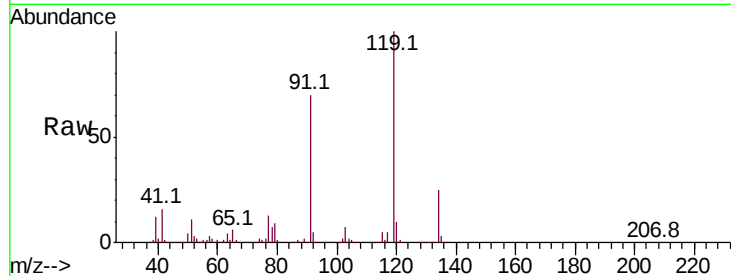




#83
tert-Butylbenzene
Concen: 22.237 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW009156.D
Acq: 13 Mar 2019 15:35

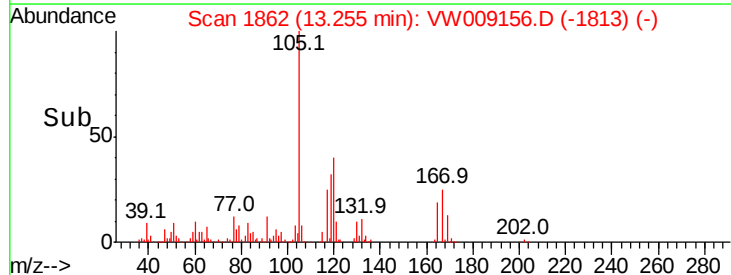
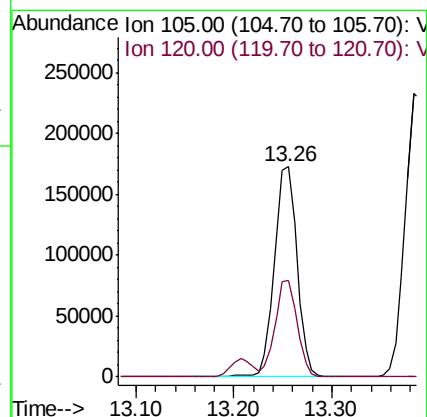
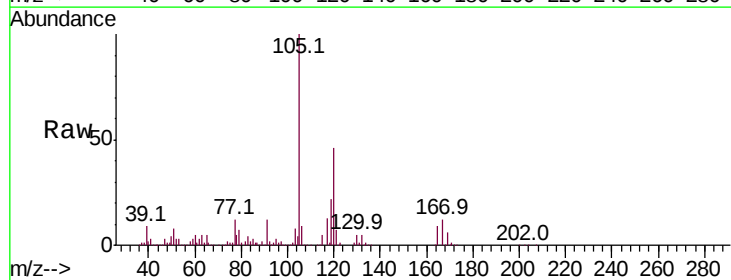
Instrument :
MSVOA_W
ClientSampleId :

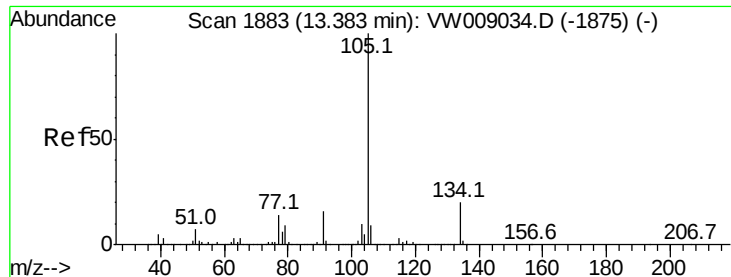
Tot Ion:119 Resp: 246544
Ion Ratio Lower Upper
119 100
91 66.8 34.2 102.5
134 26.4 13.9 41.6



#84
1,2,4-Trimethylbenzene
Concen: 21.021 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW009156.D
Acq: 13 Mar 2019 15:35

Tgt Ion:105 Resp: 279540
Ion Ratio Lower Upper
105 100
120 44.7 22.8 68.4





#85

sec-Butylbenzene

Concen: 21.702 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

Instrument :

MSVOA_W

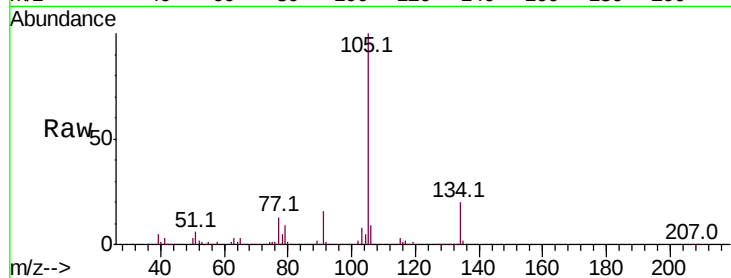
ClientSampleId :

Tot Ion:105 Resp: 356495

Ion Ratio Lower Upper

105 100

134 20.0 10.0 30.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

250000

200000

150000

100000

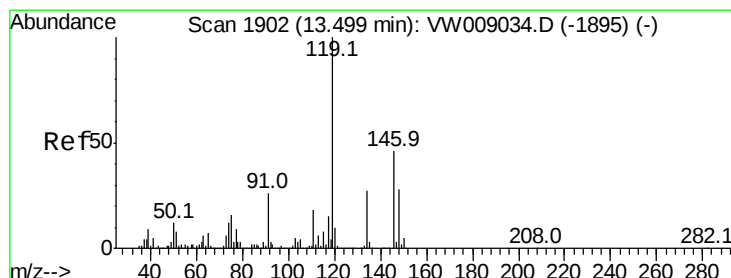
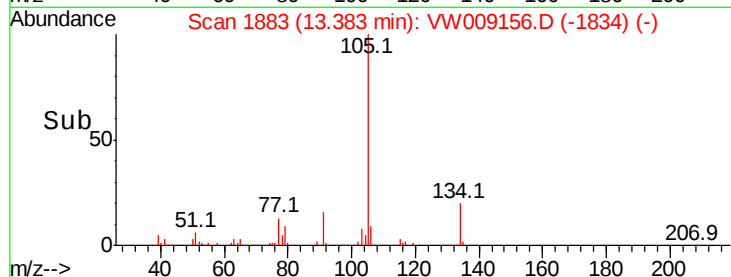
50000

0

Time-->

13.30

13.40



#86

p-Isopropyltoluene

Concen: 21.123 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

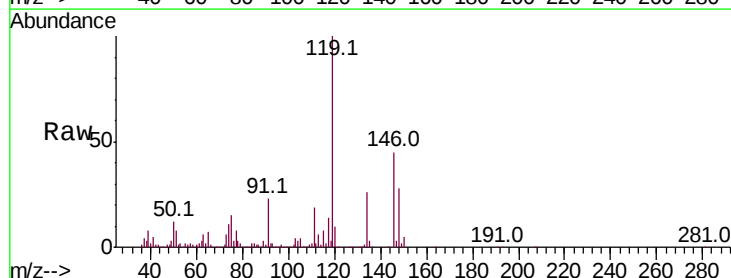
Tgt Ion:119 Resp: 310411

Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.9

91 24.0 12.3 36.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.50

250000

200000

150000

100000

50000

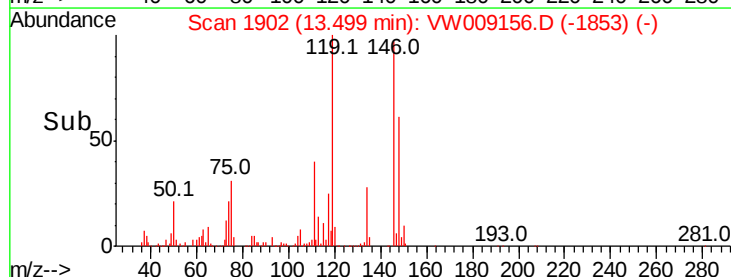
0

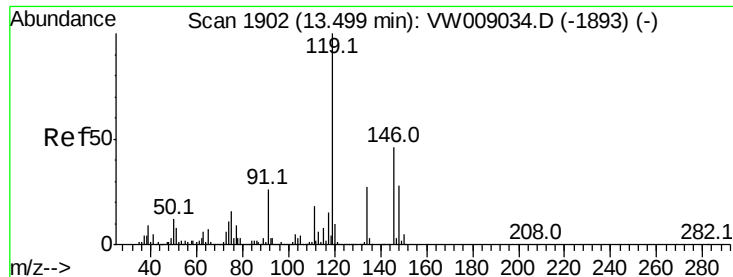
Time-->

13.40

13.50

13.60





#87

1,3-Dichlorobenzene

Concen: 20.837 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

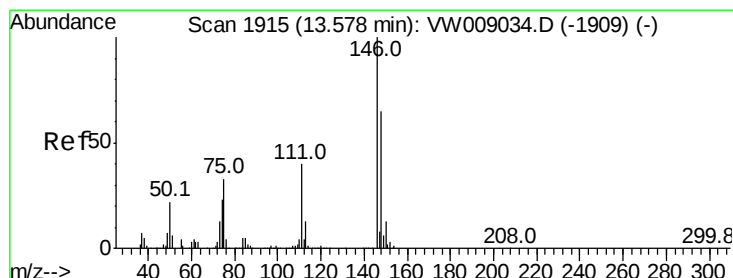
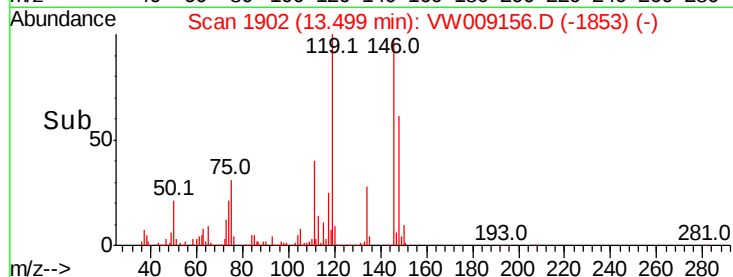
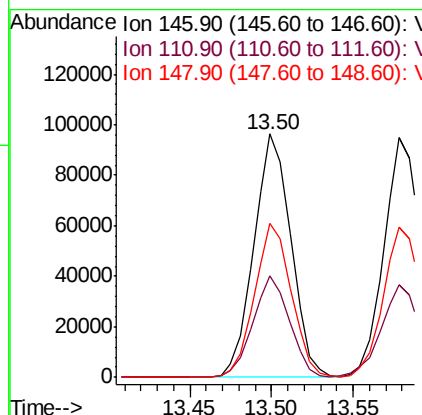
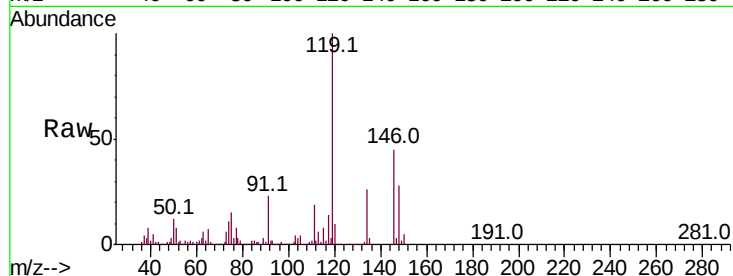
Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:146 Resp: 152592

Ion	Ratio	Lower	Upper
146	100		
111	41.1	19.8	59.4
148	62.8	31.6	94.8



#88

1,4-Dichlorobenzene

Concen: 20.590 ug/l

RT: 13.58 min Scan# 1915

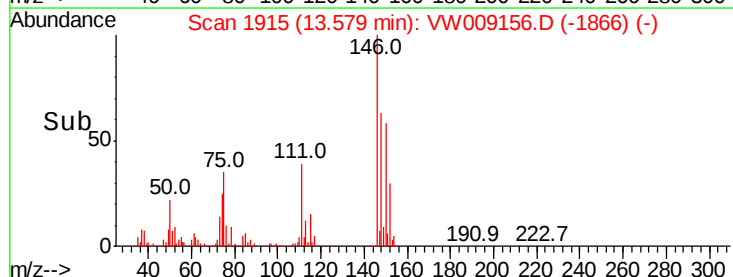
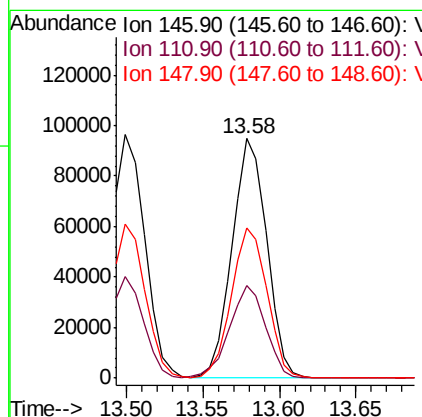
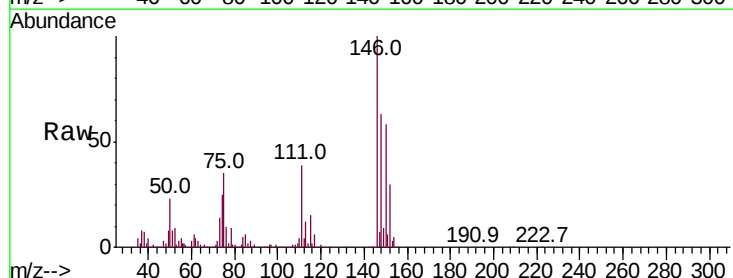
Delta R.T. 0.00 min

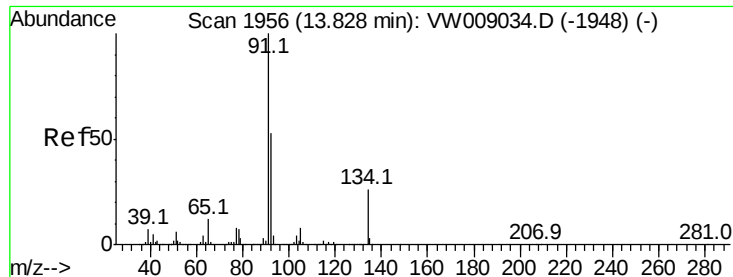
Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

Tgt Ion:146 Resp: 149013

Ion	Ratio	Lower	Upper
146	100		
111	40.3	19.7	59.0
148	64.7	32.2	96.6





#89

n-Butylbenzene

Concen: 21.016 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

Instrument :

MSVOA_W

ClientSampled :

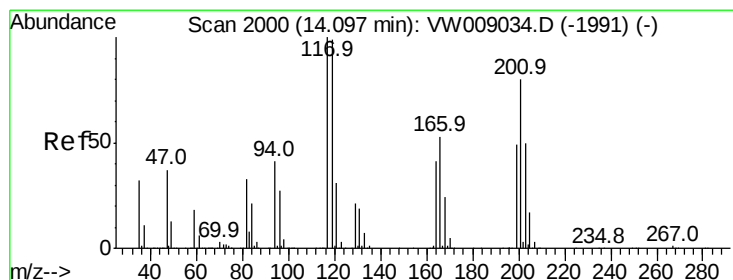
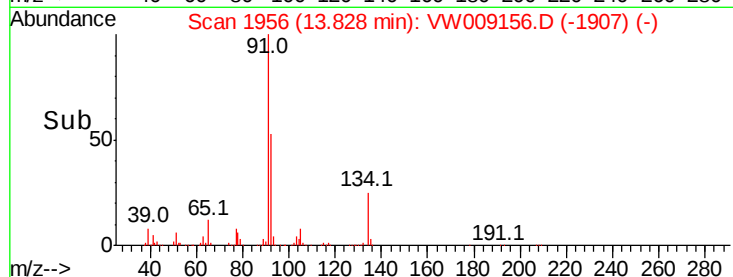
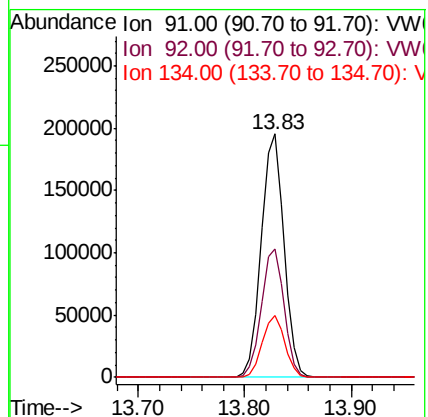
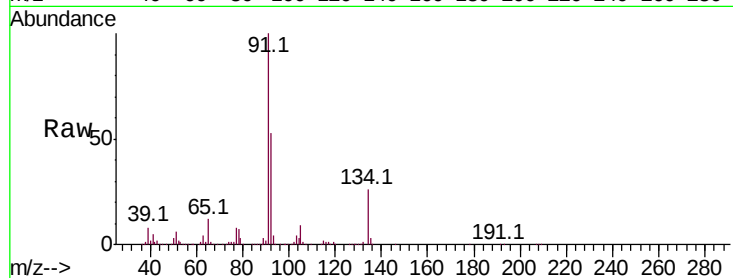
Tot Ion: 91 Resp: 293605

Ion Ratio Lower Upper

91 100

92 52.6 26.8 80.3

134 25.1 12.9 38.7



#90

Hexachloroethane

Concen: 21.654 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW009156.D

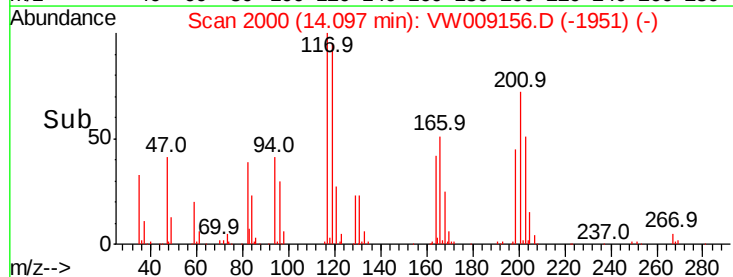
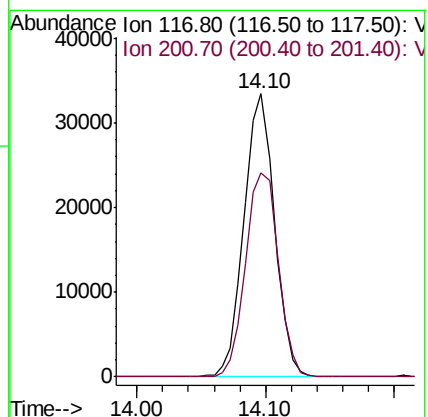
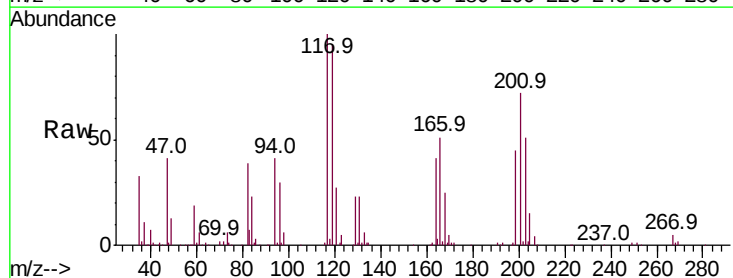
Acq: 13 Mar 2019 15:35

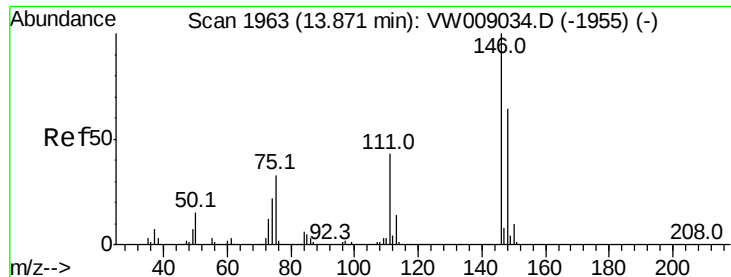
Tgt Ion: 117 Resp: 54882

Ion Ratio Lower Upper

117 100

201 77.0 39.1 117.5





#91

1,2-Dichlorobenzene

Concen: 20.636 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

Instrument :

MSVOA_W

ClientSampleId :

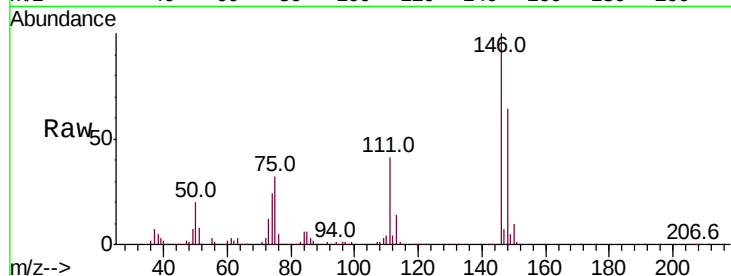
Tot Ion:146 Resp: 133336

Ion Ratio Lower Upper

146 100

111 41.1 21.1 63.1

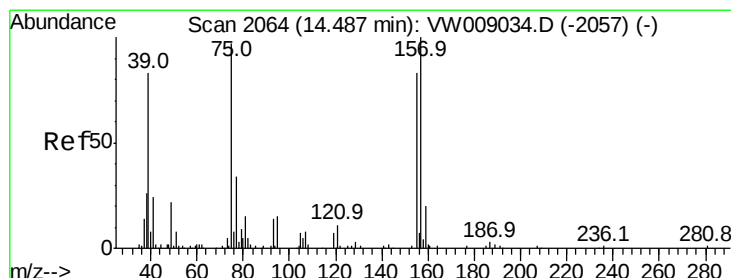
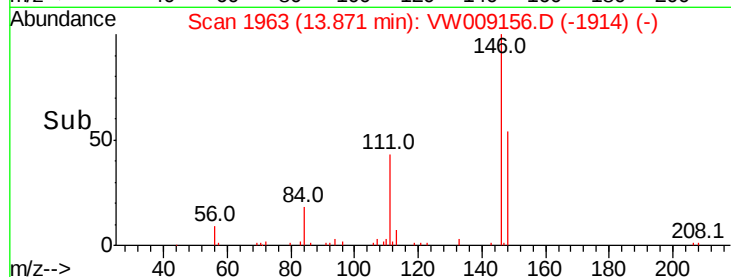
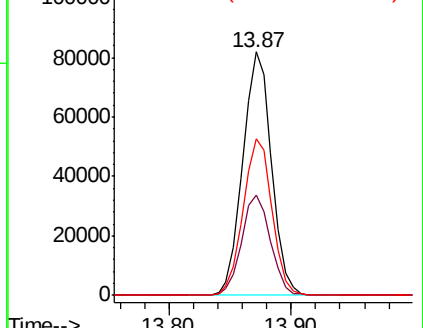
148 64.6 32.3 96.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.543 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

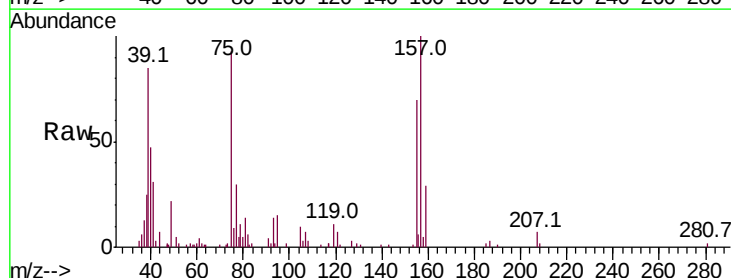
Tgt Ion: 75 Resp: 7945

Ion Ratio Lower Upper

75 100

155 78.7 40.8 122.4

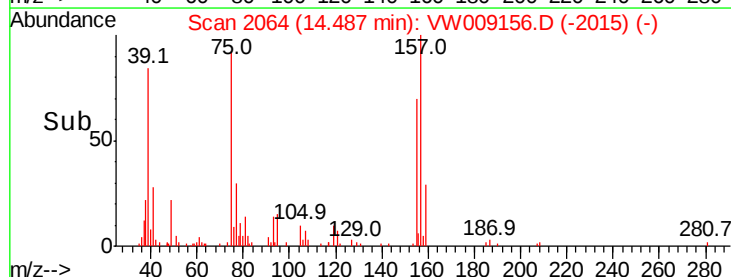
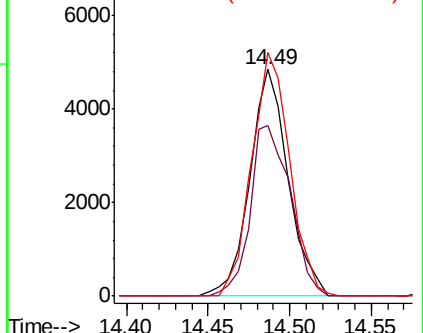
157 106.7 52.4 157.3

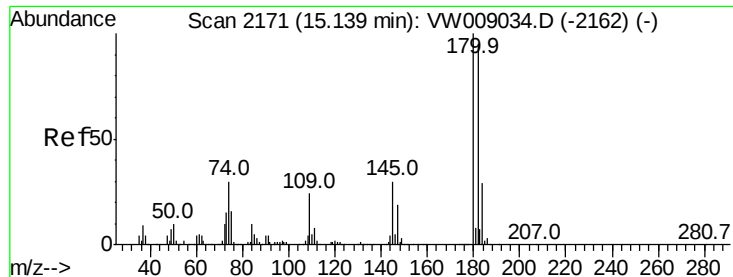


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

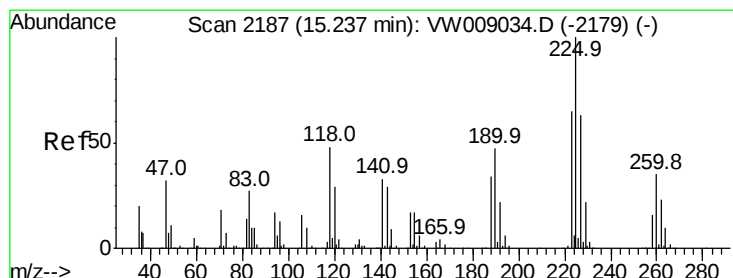
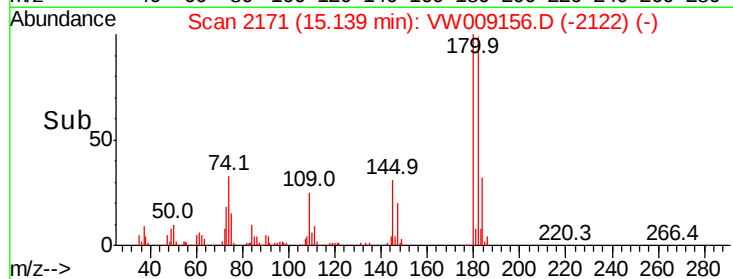
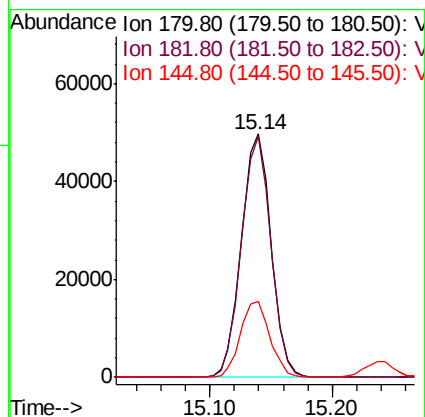
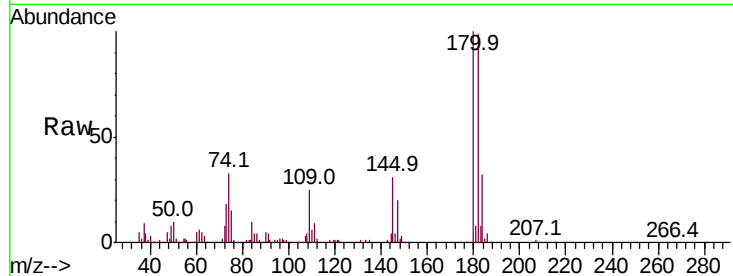




#93
1,2,4-Trichlorobenzene
Concen: 19.209 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VW009156.D
Acq: 13 Mar 2019 15:35

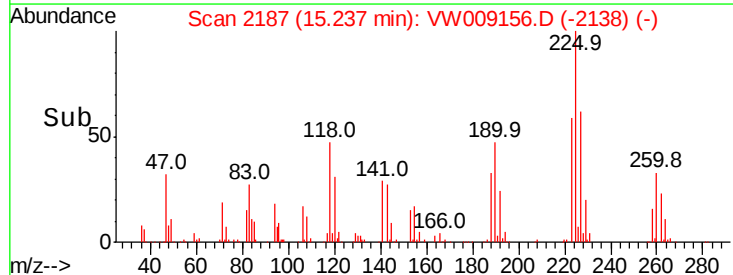
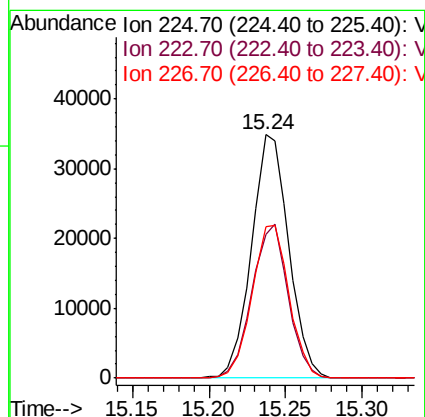
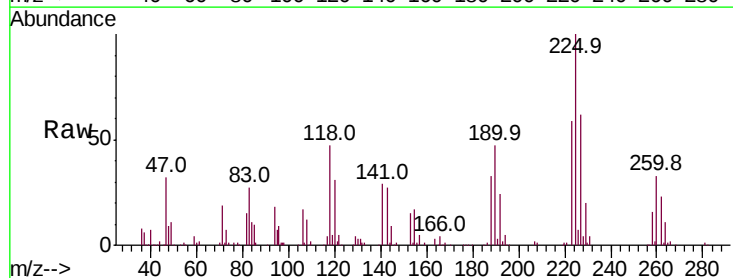
Instrument :
MSVOA_W
ClientSampleId :

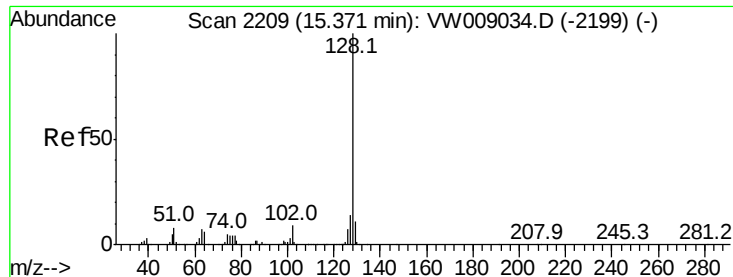
Tot Ion:180 Resp: 83822
Ion Ratio Lower Upper
180 100
182 98.1 48.1 144.3
145 30.8 15.4 46.1



#94
Hexachlorobutadiene
Concen: 21.562 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. 0.00 min
Lab File: VW009156.D
Acq: 13 Mar 2019 15:35

Tgt Ion:225 Resp: 58934
Ion Ratio Lower Upper
225 100
223 61.5 31.6 94.8
227 62.5 32.0 96.2

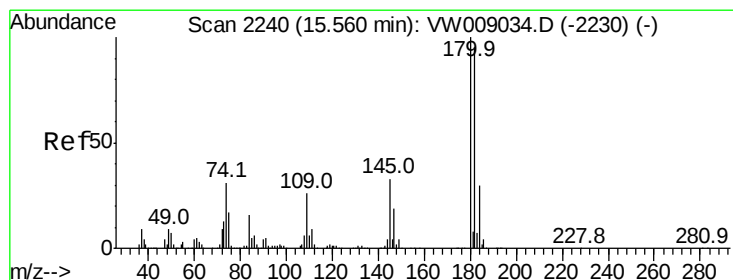
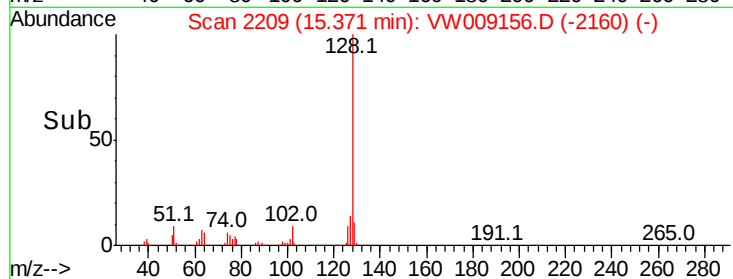
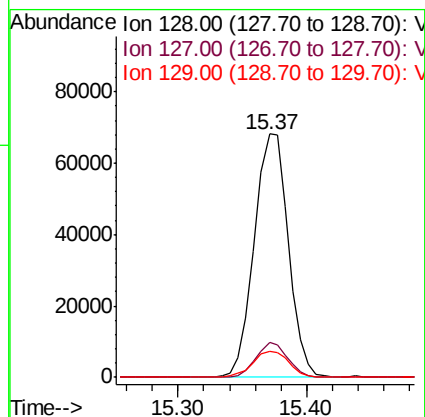
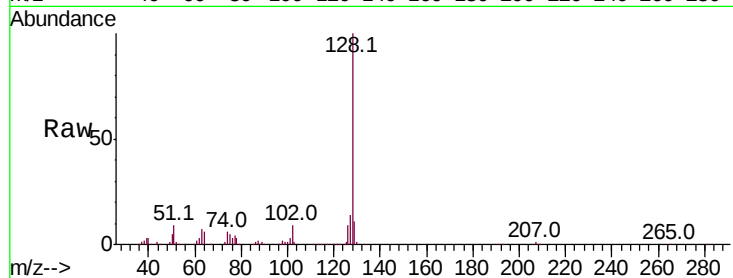




#95
Naphthalene
Concen: 17.465 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW009156.D
Acq: 13 Mar 2019 15:35

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 124751
Ion Ratio Lower Upper
128 100
127 13.4 11.0 16.6
129 11.3 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 18.436 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW009156.D
Acq: 13 Mar 2019 15:35

Tgt Ion:180 Resp: 70740
Ion Ratio Lower Upper
180 100
182 97.1 48.1 144.3
145 33.9 15.8 47.3

