

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083019\
 Data File : VW012345.D
 Acq On : 30 Aug 2019 12:00
 Operator : SY/VA
 Sample : VW0830SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 30 15:50:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	216860	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	344581	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	297992	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	142704	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	132099	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	
35) Dibromofluoromethane	7.88	113	104914	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
50) Toluene-d8	10.32	98	424554	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	
62) 4-Bromofluorobenzene	12.62	95	150129	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	20494	15.348	ug/l 91
3) Chloromethane	2.21	50	37574	18.163	ug/l 97
4) Vinyl Chloride	2.36	62	45098	17.811	ug/l 100
5) Bromomethane	2.77	94	23984	18.703	ug/l 92
6) Chloroethane	2.92	64	26145	18.304	ug/l 96
7) Trichlorofluoromethane	3.25	101	25361	19.947	ug/l 99
8) Diethyl Ether	3.68	74	23854	19.766	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	41810	19.346	ug/l 99
10) Methyl Iodide	4.27	142	54401	18.604	ug/l 99
11) Tert butyl alcohol	5.17	59	17424	112.312	ug/l 98
12) 1,1-Dichloroethene	4.04	96	39912	18.349	ug/l 99
13) Acrolein	3.89	56	13633	93.354	ug/l 100
14) Allyl chloride	4.67	41	89454	19.236	ug/l 99
15) Acrylonitrile	5.36	53	64752	108.249	ug/l 99
16) Acetone	4.12	43	65880	99.974	ug/l 97
17) Carbon Disulfide	4.38	76	102710	15.624	ug/l 97
18) Methyl Acetate	4.67	43	39246	24.045	ug/l 98
19) Methyl tert-butyl Ether	5.42	73	74144	21.078	ug/l 100
20) Methylene Chloride	4.92	84	49213	19.755	ug/l 99
21) trans-1,2-Dichloroethene	5.42	96	43532	18.663	ug/l 94
22) Diisopropyl ether	6.31	45	176073	20.427	ug/l 98
23) Vinyl Acetate	6.26	43	533478	100.567	ug/l 100
24) 1,1-Dichloroethane	6.21	63	92896	19.793	ug/l 98
25) 2-Butanone	7.17	43	93020	103.878	ug/l 100
26) 2,2-Dichloropropane	7.16	77	52922	19.922	ug/l 100
27) cis-1,2-Dichloroethene	7.16	96	48794	19.579	ug/l 100
28) Bromochloromethane	7.51	49	42807	20.927	ug/l 99
29) Tetrahydrofuran	7.52	42	60268	112.180	ug/l 99
30) Chloroform	7.67	83	86033	20.036	ug/l 97
31) Cyclohexane	7.95	56	83281	17.935	ug/l 96
32) 1,1,1-Trichloroethane	7.87	97	67755	19.947	ug/l 99
36) 1,1-Dichloropropene	8.08	75	69481	19.512	ug/l 99
37) Ethyl Acetate	7.25	43	42840	21.955	ug/l 100
38) Carbon Tetrachloride	8.06	117	60276	19.557	ug/l 96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083019\
 Data File : VW012345.D
 Acq On : 30 Aug 2019 12:00
 Operator : SY/VA
 Sample : VW0830SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 30 15:50:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	73229	18.306	ug/l	100
40) Benzene	8.32	78	188857	19.423	ug/l	100
41) Methacrylonitrile	7.48	41	23244	20.268	ug/l	93
42) 1,2-Dichloroethane	8.40	62	62211	20.415	ug/l	99
43) Isopropyl Acetate	8.42	43	77287	21.383	ug/l	99
44) Trichloroethene	9.09	130	46115	19.510	ug/l	96
45) 1,2-Dichloropropane	9.37	63	51571	19.708	ug/l	100
46) Dibromomethane	9.46	93	23149	19.883	ug/l	99
47) Bromodichloromethane	9.65	83	61490	19.844	ug/l	97
48) Methyl methacrylate	9.43	41	34589	20.107	ug/l	94
49) 1,4-Dioxane	9.45	88	7270	407.879	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	198868	108.175	ug/l	99
52) Toluene	10.39	92	115153	19.714	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	62878	19.921	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	74373	19.515	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	34300	20.822	ug/l	98
56) Ethyl methacrylate	10.65	69	50922	21.239	ug/l	99
57) 1,3-Dichloropropane	10.93	76	63974	20.551	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	136627	111.037	ug/l	100
59) 2-Hexanone	10.97	43	140455	107.977	ug/l	99
60) Dibromochloromethane	11.13	129	37326	20.343	ug/l	98
61) 1,2-Dibromoethane	11.23	107	32232	21.002	ug/l	98
64) Tetrachloroethene	10.86	164	37650	19.488	ug/l	100
65) Chlorobenzene	11.66	112	117453	20.017	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	40973	20.016	ug/l	98
67) Ethyl Benzene	11.73	91	223983	19.816	ug/l	98
68) m/p-Xylenes	11.84	106	160368	39.388	ug/l	100
69) o-Xylene	12.16	106	75783	20.110	ug/l	100
70) Styrene	12.18	104	130942	20.075	ug/l	99
71) Bromoform	12.35	173	21039	20.629	ug/l #	100
73) Isopropylbenzene	12.46	105	214859	20.093	ug/l	100
74) N-amyl acetate	12.27	43	68456	21.189	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	42283	21.569	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	54132	38.949	ug/l #	100
77) Bromobenzene	12.75	156	46900	20.274	ug/l	99
78) n-propylbenzene	12.80	91	262121	20.080	ug/l	100
79) 2-Chlorotoluene	12.89	91	147918	19.958	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	180780	20.233	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	12407	19.573	ug/l	92
82) 4-Chlorotoluene	12.99	91	156690	20.192	ug/l	100
83) tert-Butylbenzene	13.21	119	154886	20.464	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	180971	20.163	ug/l	100
85) sec-Butylbenzene	13.38	105	219227	20.217	ug/l	100
86) p-Isopropyltoluene	13.50	119	197629	20.408	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	92584	20.462	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	91365	20.336	ug/l	97
89) n-Butylbenzene	13.82	91	192392	19.978	ug/l	99
90) Hexachloroethane	14.09	117	33642	19.801	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	81432	20.515	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6896	20.866	ug/l	98

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW083019\
Data File : VW012345.D
Acq On : 30 Aug 2019 12:00
Operator : SY/VA
Sample : VW0830SBSD01
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Aug 30 15:50:59 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	56891	20.740	ug/l	100
94) Hexachlorobutadiene	15.24	225	38979	21.520	ug/l	96
95) Naphthalene	15.36	128	102469	21.713	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	50313	21.023	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012345.D

Acq: 30 Aug 2019 12:00

Instrument :

MSVOA_W

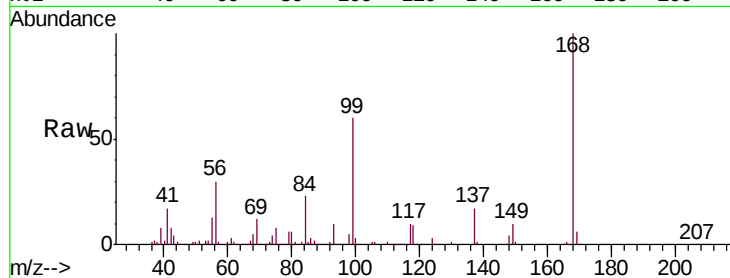
ClientSampled :

Tot Ion:168 Resp: 216860

Ion Ratio Lower Upper

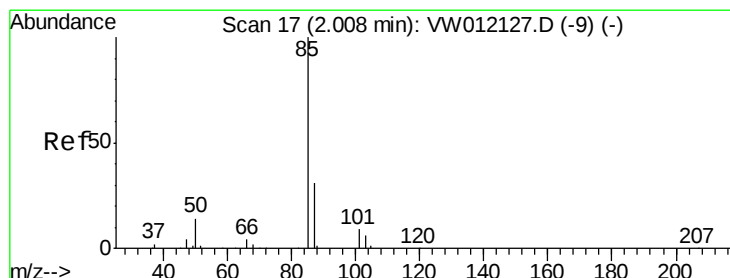
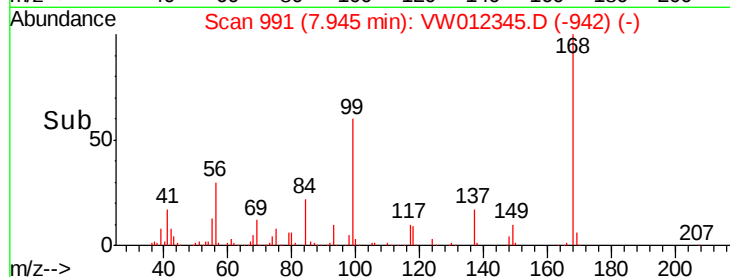
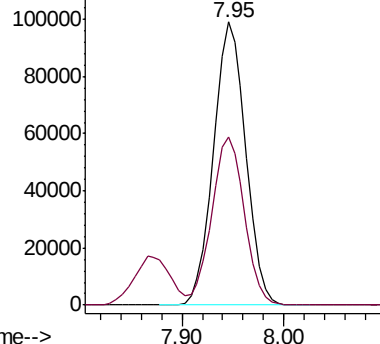
168 100

99 59.5 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 15.348 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012345.D

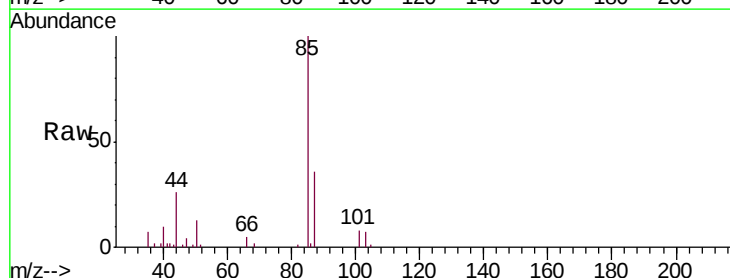
Acq: 30 Aug 2019 12:00

Tgt Ion: 85 Resp: 20494

Ion Ratio Lower Upper

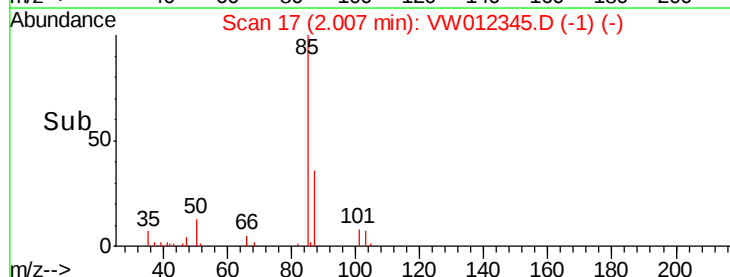
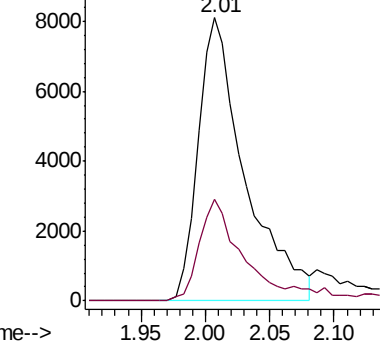
85 100

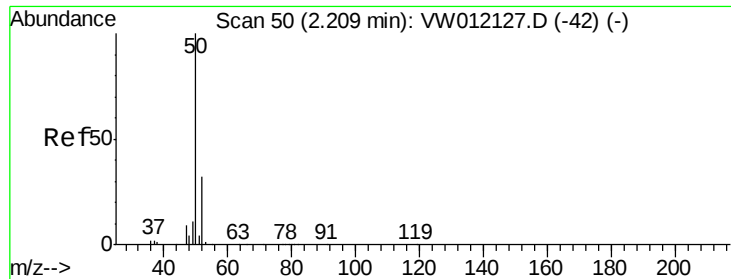
87 35.9 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 18.163 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012345.D

Acq: 30 Aug 2019 12:00

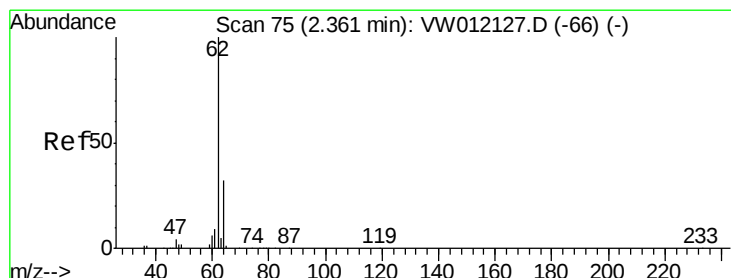
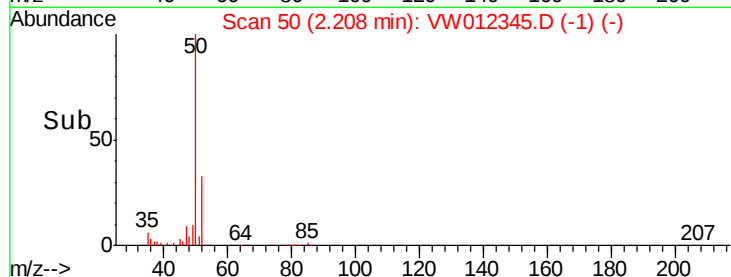
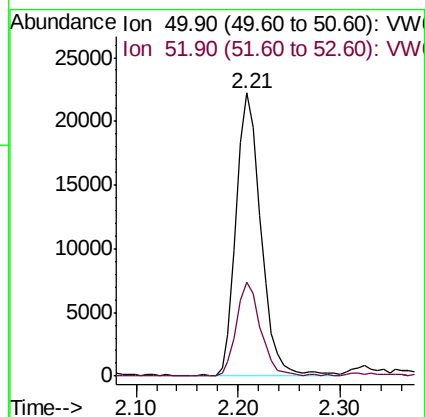
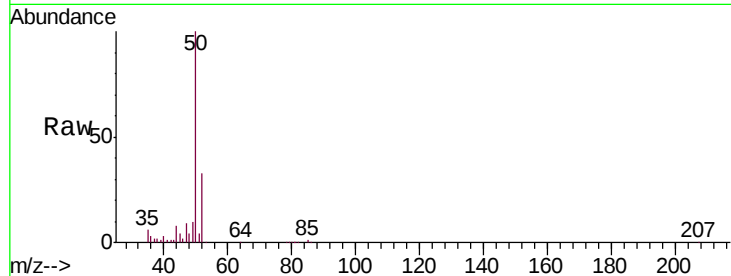
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 50 Resp: 37574

Ion Ratio Lower Upper

50 100

52 33.3 25.5 38.3



#4

Vinyl Chloride

Concen: 17.811 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012345.D

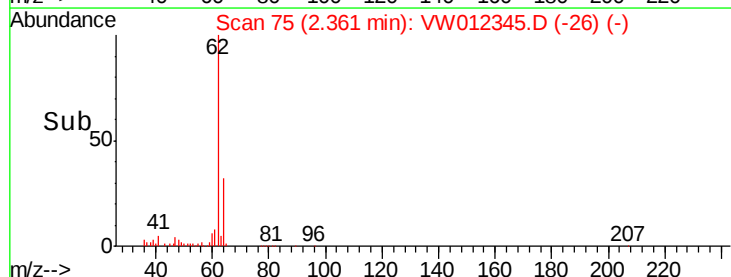
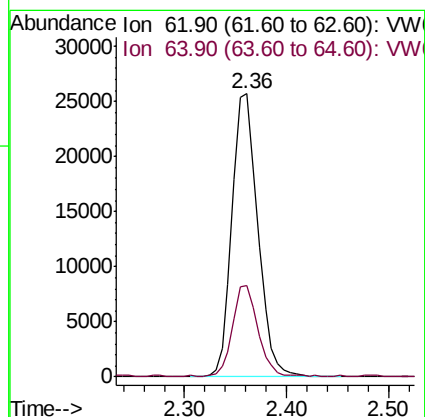
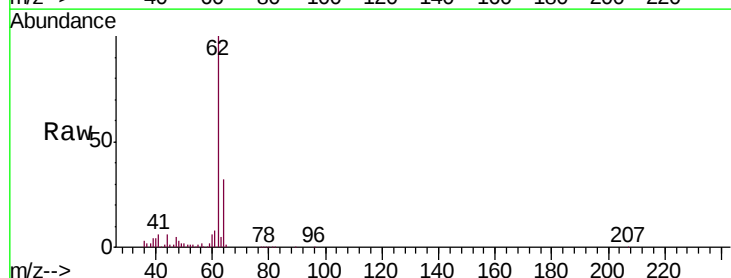
Acq: 30 Aug 2019 12:00

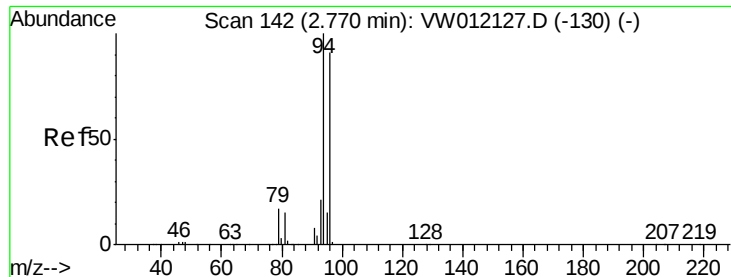
Tgt Ion: 62 Resp: 45098

Ion Ratio Lower Upper

62 100

64 31.7 25.3 37.9





#5

Bromomethane

Concen: 18.703 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW012345.D

Acq: 30 Aug 2019 12:00

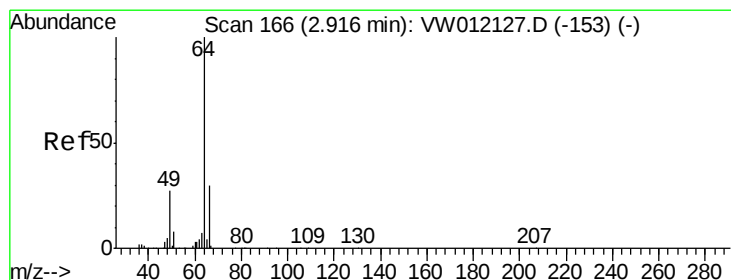
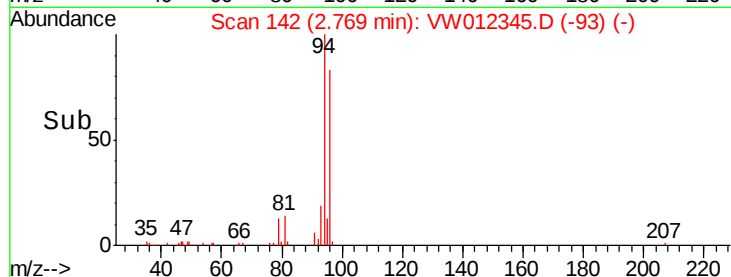
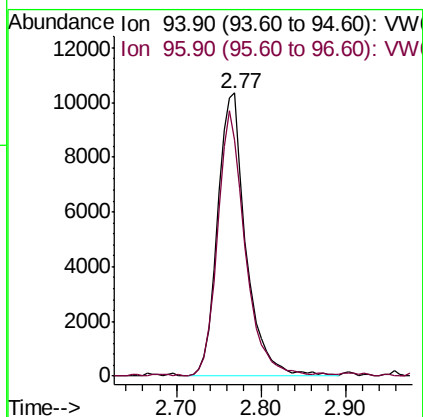
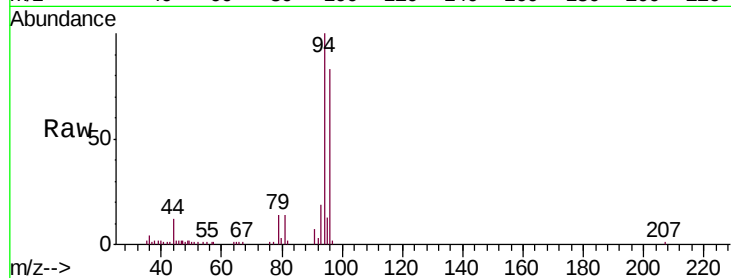
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 94 Resp: 23984

Ion Ratio Lower Upper

94 100

96 83.5 72.9 109.3



#6

Chloroethane

Concen: 18.304 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW012345.D

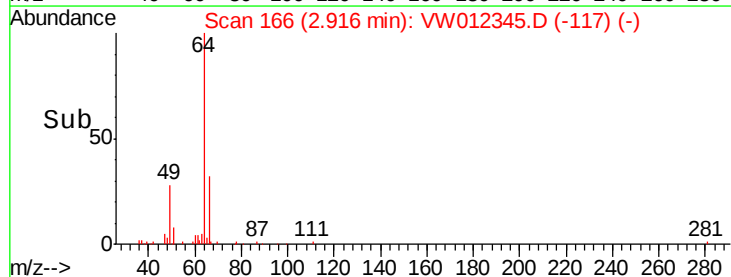
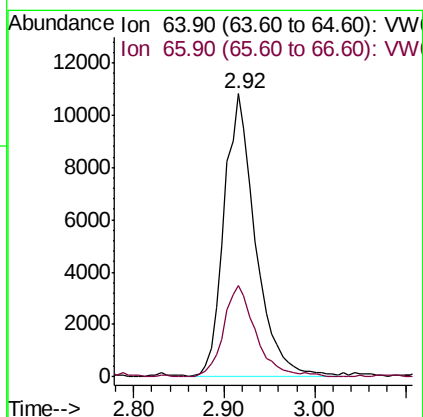
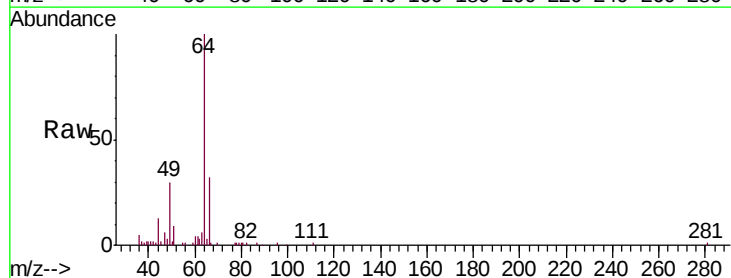
Acq: 30 Aug 2019 12:00

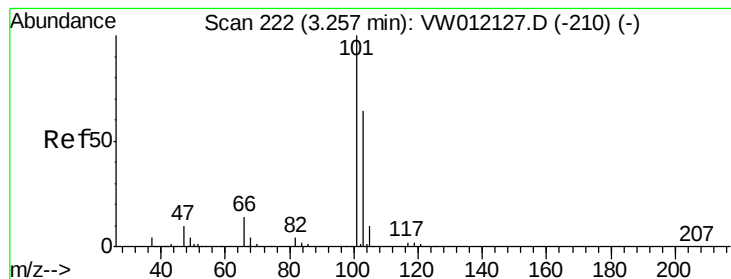
Tgt Ion: 64 Resp: 26145

Ion Ratio Lower Upper

64 100

66 32.2 23.8 35.8



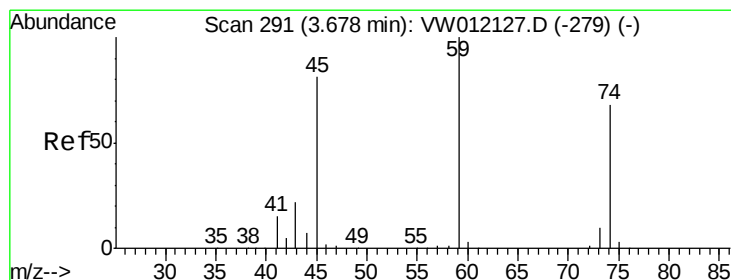
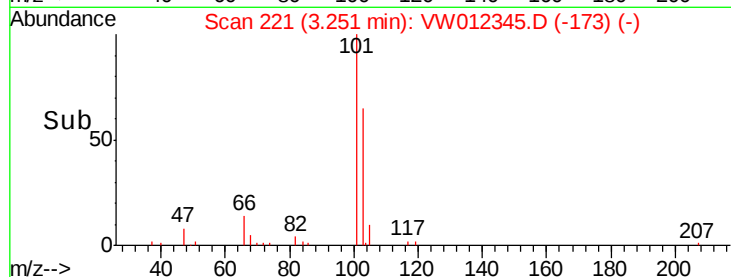
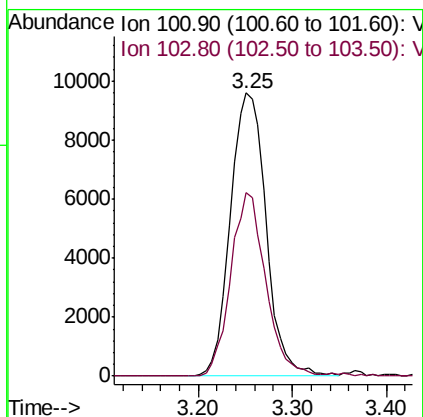
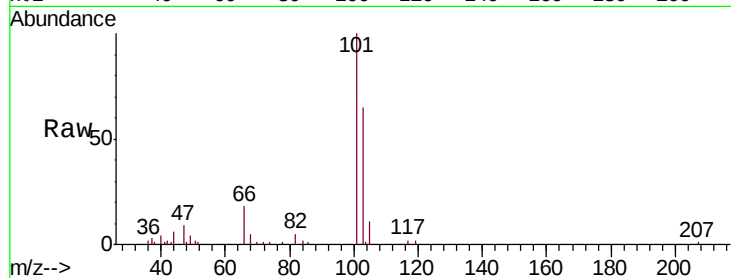


#7

Trichlorofluoromethane
 Concen: 19.947 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW012345.D
 Acq: 30 Aug 2019 12:00

Instrument :
 MSVOA_W
 ClientSampleId :

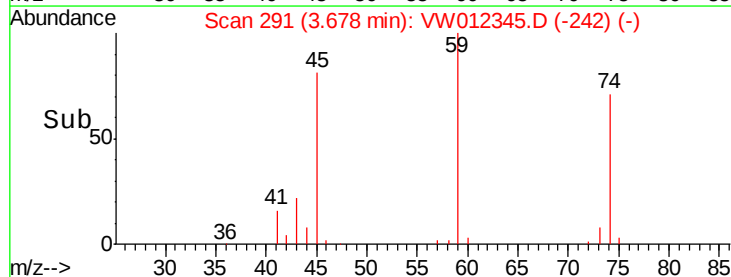
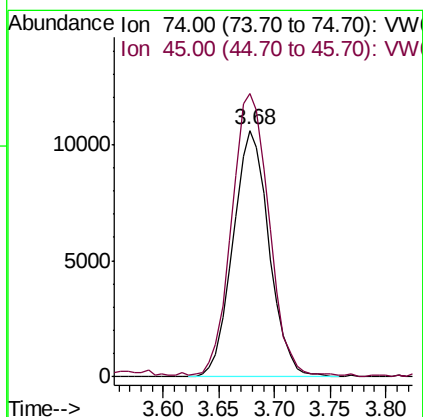
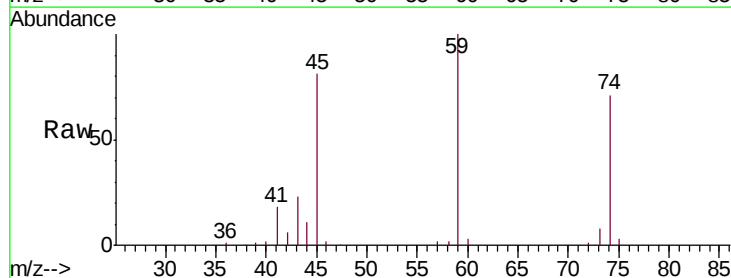
Tot Ion:101 Resp: 25361
 Ion Ratio Lower Upper
 101 100
 103 64.7 51.2 76.8

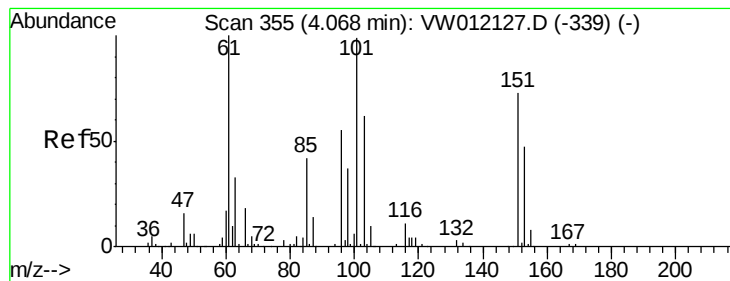


#8

Diethyl Ether
 Concen: 19.766 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012345.D
 Acq: 30 Aug 2019 12:00

Tgt Ion: 74 Resp: 23854
 Ion Ratio Lower Upper
 74 100
 45 120.6 59.2 177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.346 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012345.D

Acq: 30 Aug 2019 12:00

Instrument :

MSVOA_W

ClientSampled :

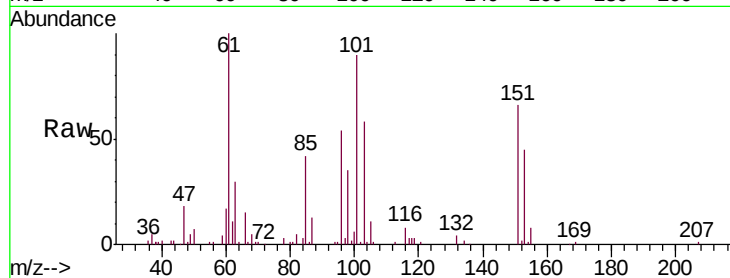
Tot Ion:101 Resp: 41810

Ion Ratio Lower Upper

101 100

85 45.6 35.8 53.6

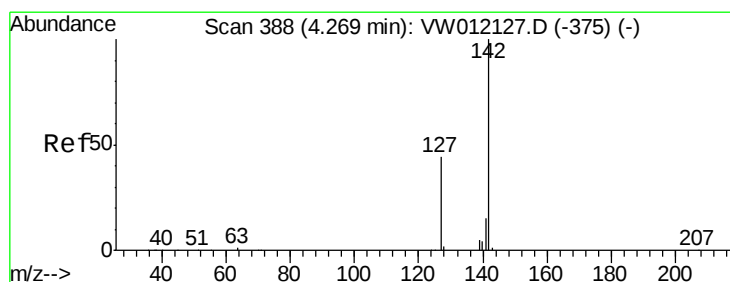
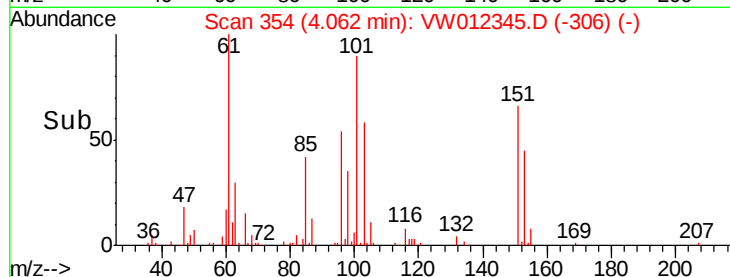
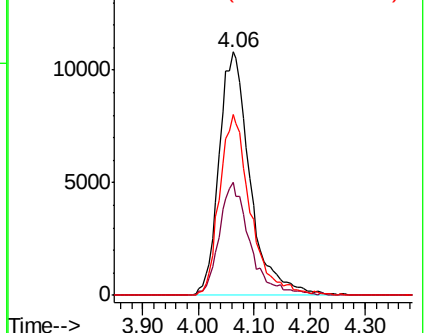
151 73.4 58.6 87.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.604 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW012345.D

Acq: 30 Aug 2019 12:00

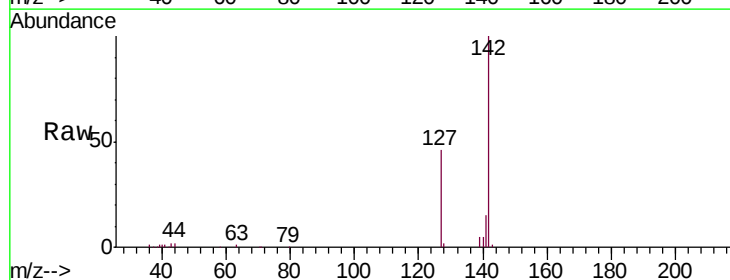
Tgt Ion:142 Resp: 54401

Ion Ratio Lower Upper

142 100

127 44.0 35.5 53.3

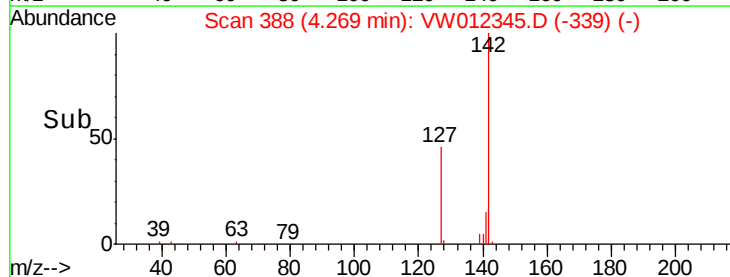
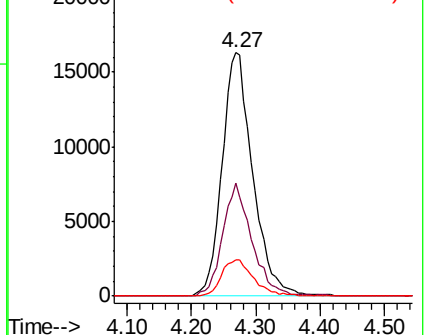
141 15.5 11.8 17.8

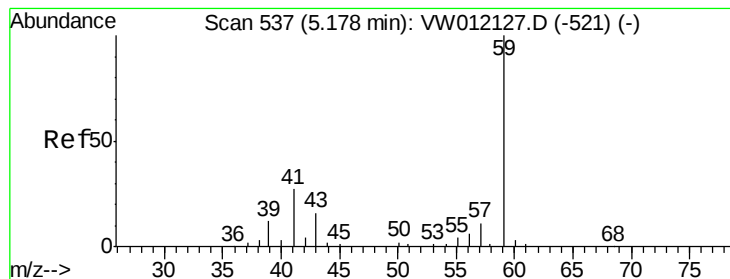


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



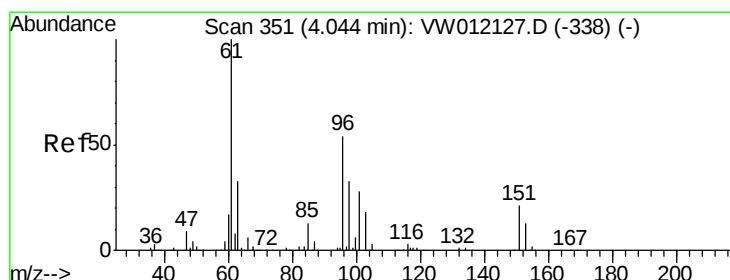
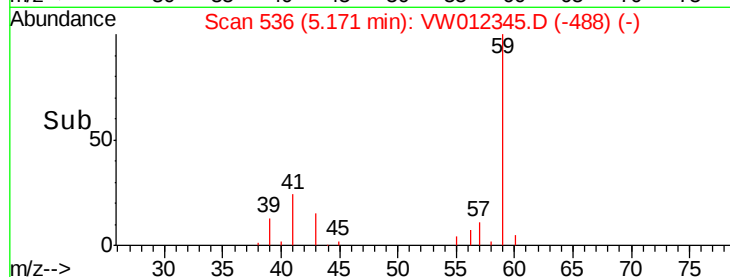
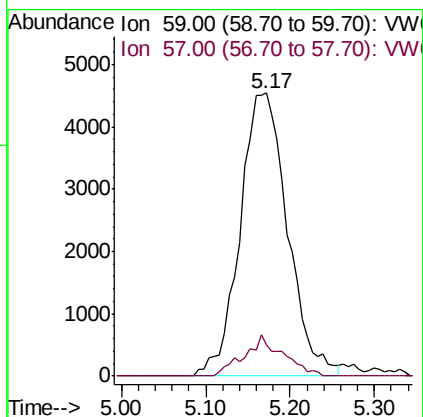
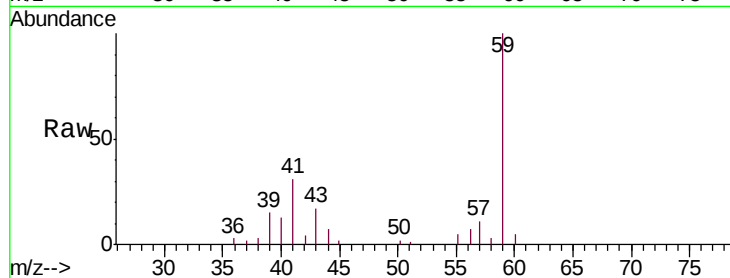


#11

Tert butyl alcohol
 Concen: 112.312 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. -0.01 min
 Lab File: VW012345.D
 Acq: 30 Aug 2019 12:00

Instrument :
 MSVOA_W
 ClientSampled :

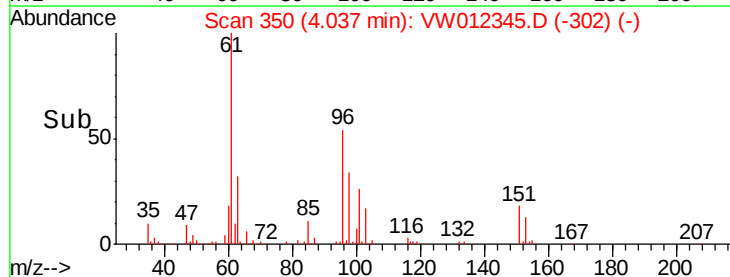
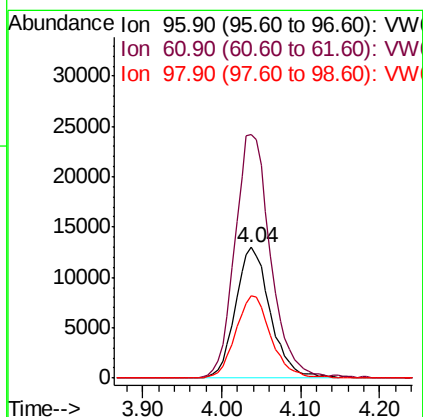
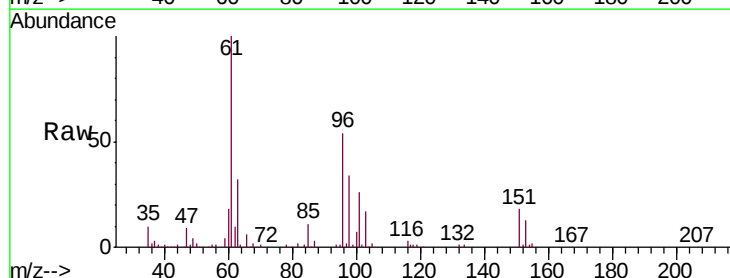
Tot Ion: 59 Resp: 17424
 Ion Ratio Lower Upper
 59 100
 57 11.9 9.0 13.4

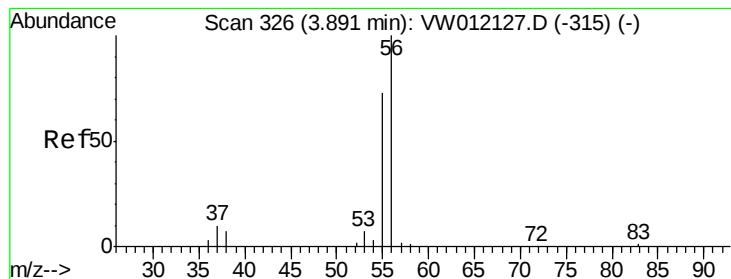


#12

1,1-Dichloroethene
 Concen: 18.349 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VW012345.D
 Acq: 30 Aug 2019 12:00

Tgt Ion: 96 Resp: 39912
 Ion Ratio Lower Upper
 96 100
 61 186.6 149.1 223.7
 98 63.2 49.4 74.2





#13

Acrolein

Concen: 93.354 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW012345.D

Acq: 30 Aug 2019 12:00

Instrument :

MSVOA_W

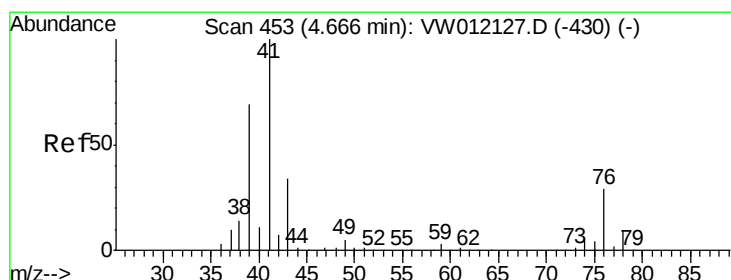
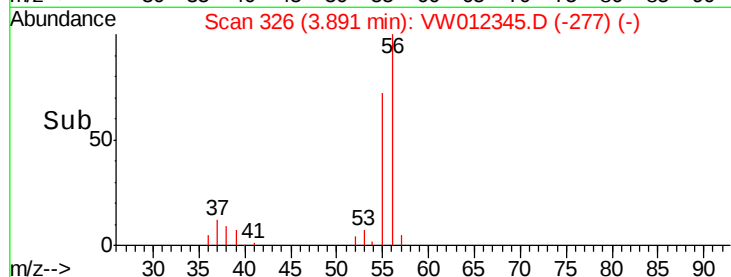
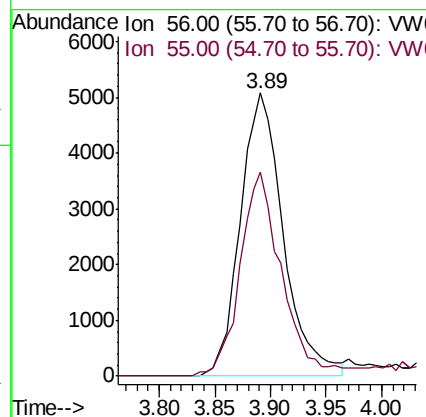
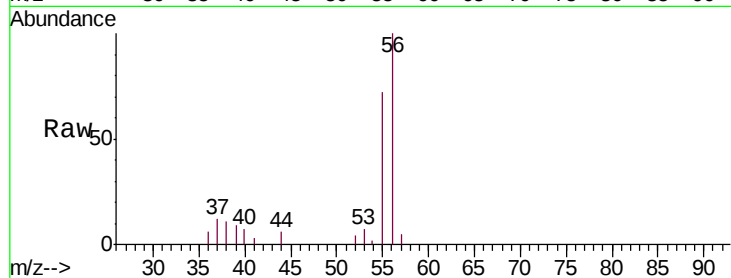
ClientSampleId :

Tot Ion: 56 Resp: 13633

Ion Ratio Lower Upper

56 100

55 69.6 55.8 83.8



#14

Allyl chloride

Concen: 19.236 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012345.D

Acq: 30 Aug 2019 12:00

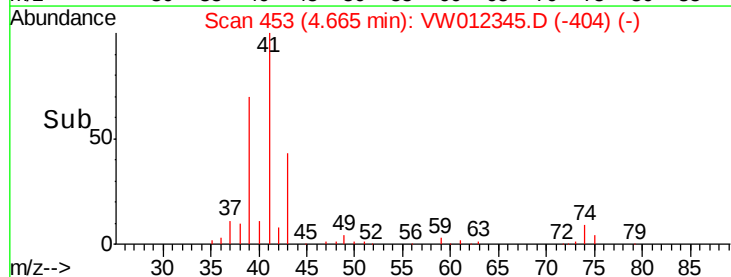
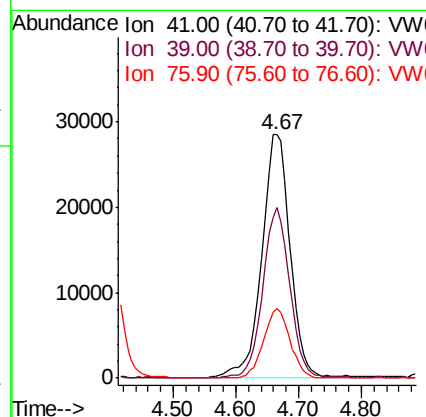
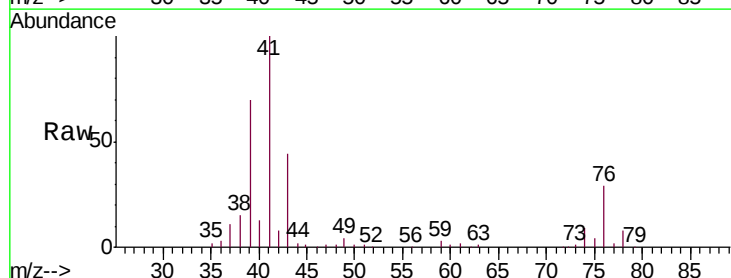
Tgt Ion: 41 Resp: 89454

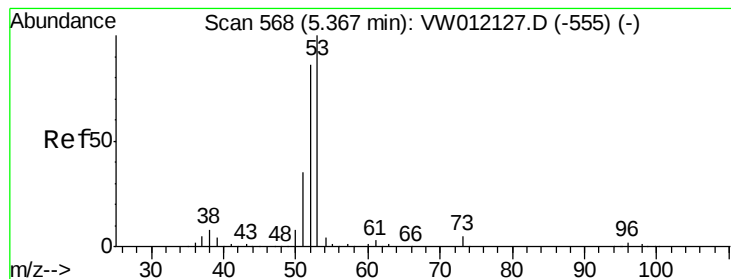
Ion Ratio Lower Upper

41 100

39 66.4 53.4 80.2

76 26.8 22.1 33.1





#15

Acrylonitrile

Concen: 108.249 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012345.D

Acq: 30 Aug 2019 12:00

Instrument :

MSVOA_W

ClientSampleId :

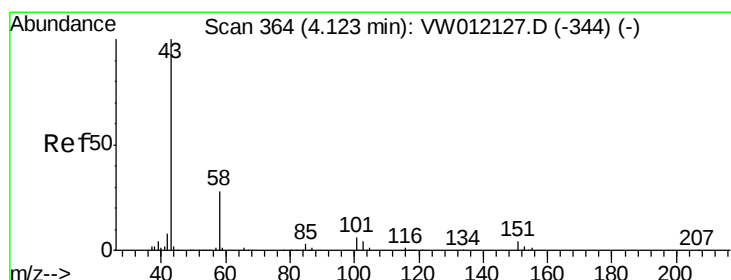
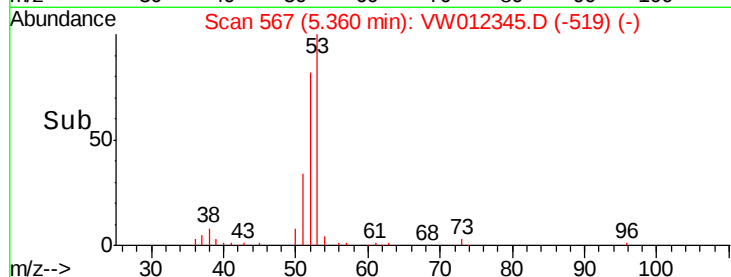
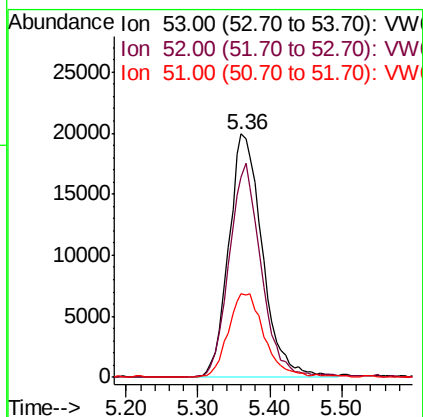
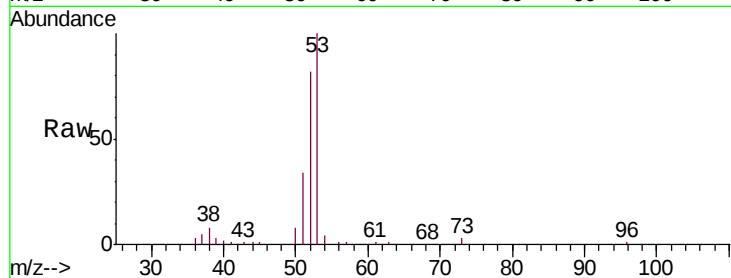
Tot Ion: 53 Resp: 64752

Ion Ratio Lower Upper

53 100

52 84.2 66.7 100.1

51 37.3 30.1 45.1



#16

Acetone

Concen: 99.974 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW012345.D

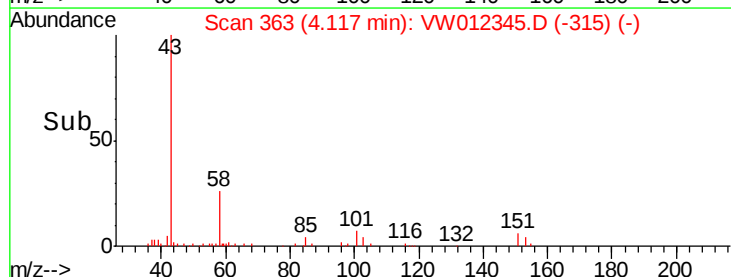
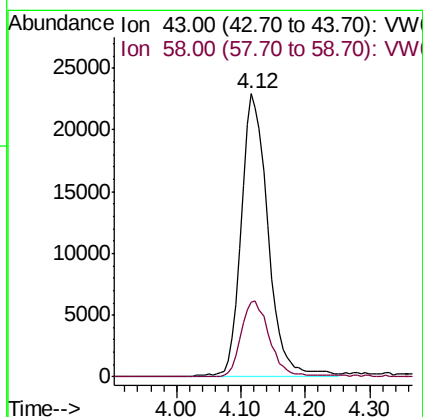
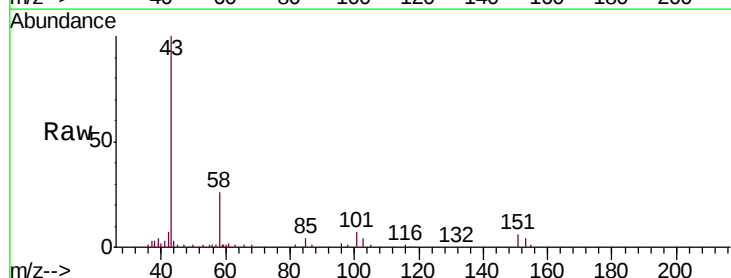
Acq: 30 Aug 2019 12:00

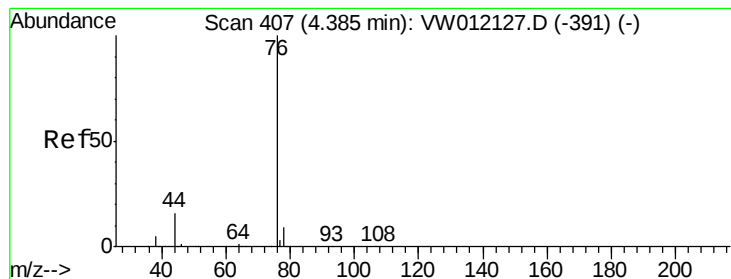
Tgt Ion: 43 Resp: 65880

Ion Ratio Lower Upper

43 100

58 26.3 22.4 33.6





#17

Carbon Disulfide

Concen: 15.624 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW012345.D

Acq: 30 Aug 2019 12:00

Instrument :

MSVOA_W

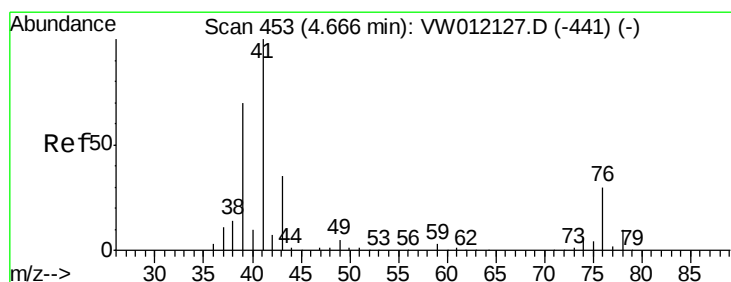
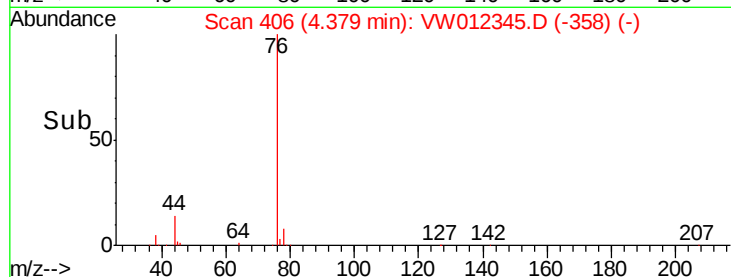
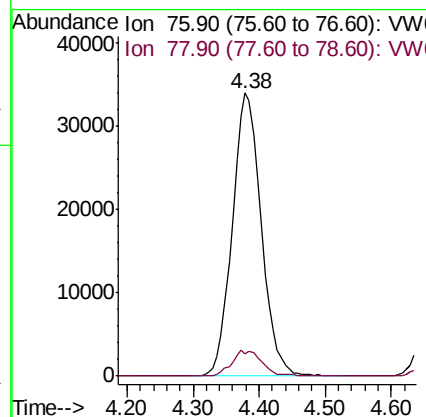
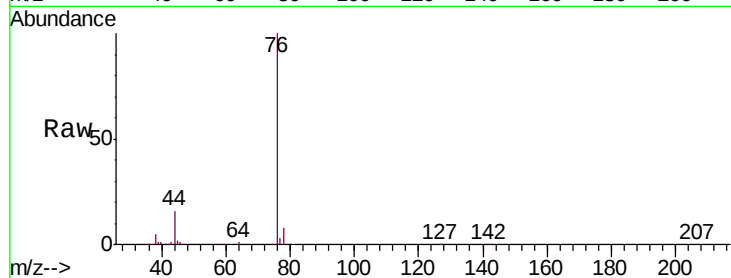
ClientSampleId :

Tot Ion: 76 Resp: 102710

Ion Ratio Lower Upper

76 100

78 8.0 7.3 10.9



#18

Methyl Acetate

Concen: 24.045 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW012345.D

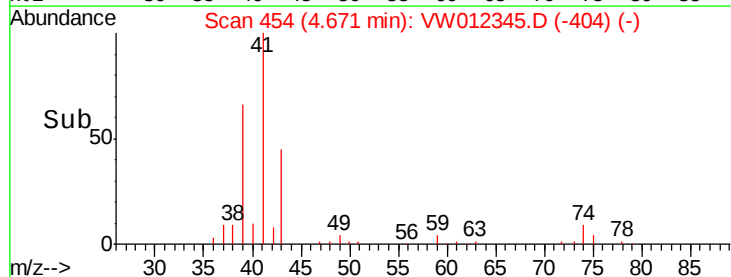
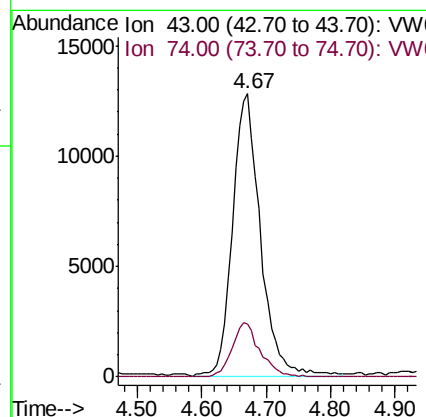
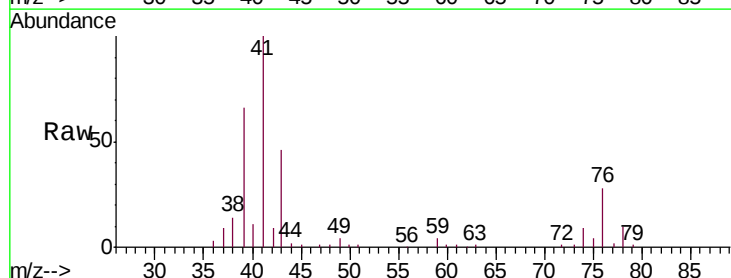
Acq: 30 Aug 2019 12:00

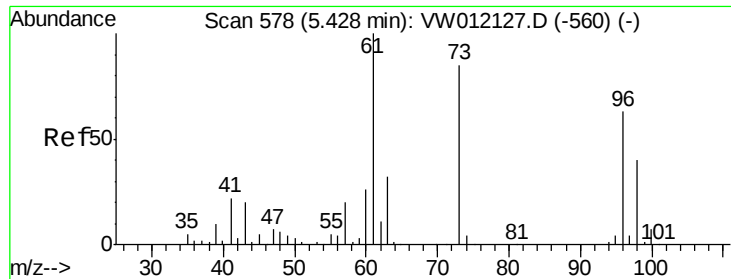
Tgt Ion: 43 Resp: 39246

Ion Ratio Lower Upper

43 100

74 18.8 15.7 23.5

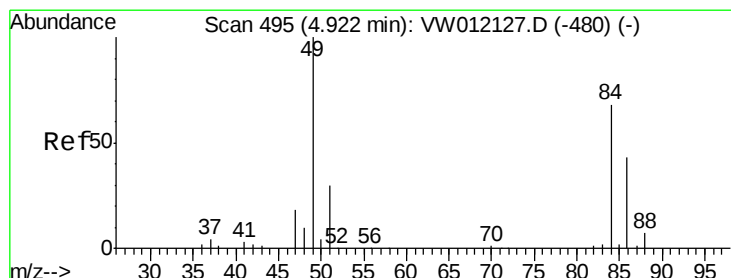
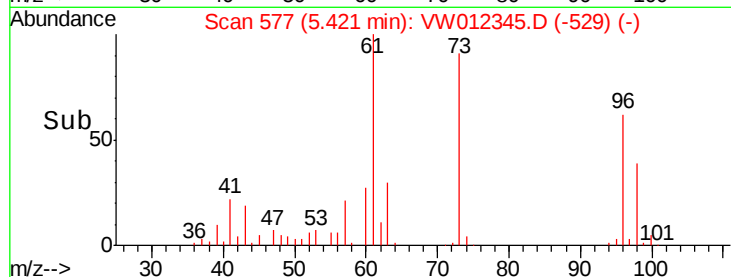
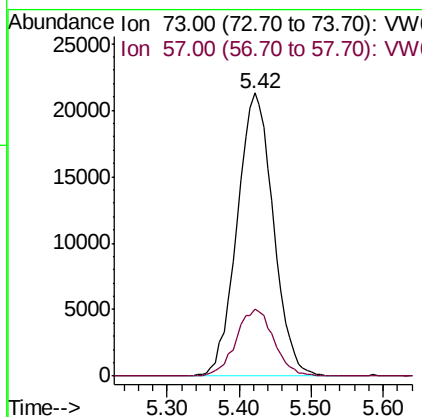
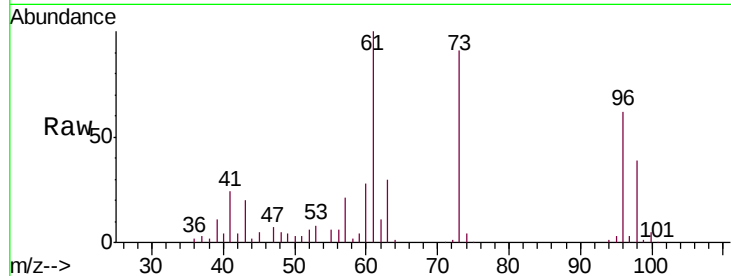




#19
Methyl tert-butyl Ether
Concen: 21.078 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012345.D
Acq: 30 Aug 2019 12:00

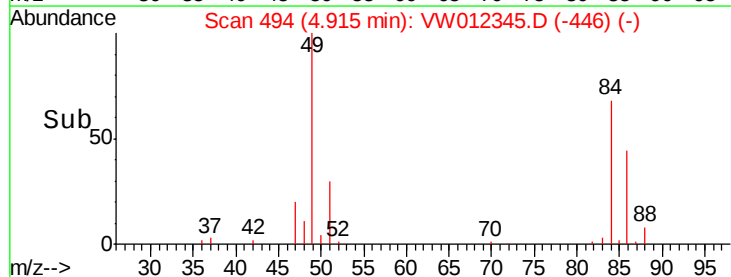
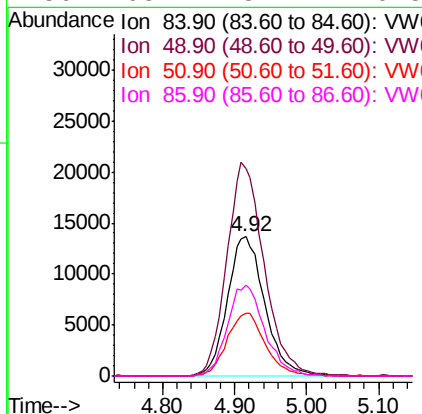
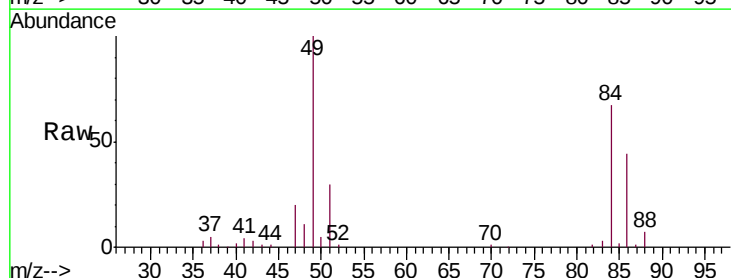
Instrument :
MSVOA_W
ClientSampled :

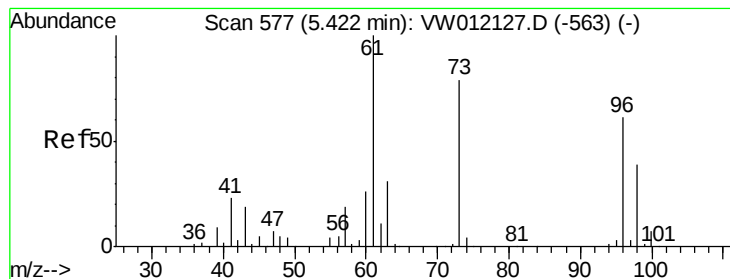
Tot Ion: 73 Resp: 74144
Ion Ratio Lower Upper
73 100
57 23.7 18.9 28.3



#20
Methylene Chloride
Concen: 19.755 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012345.D
Acq: 30 Aug 2019 12:00

Tgt Ion: 84 Resp: 49213
Ion Ratio Lower Upper
84 100
49 148.5 117.8 176.8
51 45.3 35.6 53.4
86 65.1 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 18.663 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW012345.D

Acq: 30 Aug 2019 12:00

Instrument :

MSVOA_W

ClientSampled :

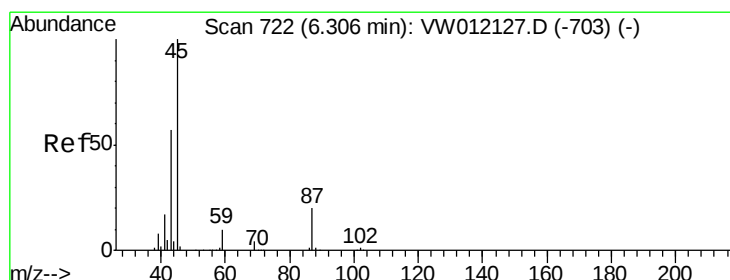
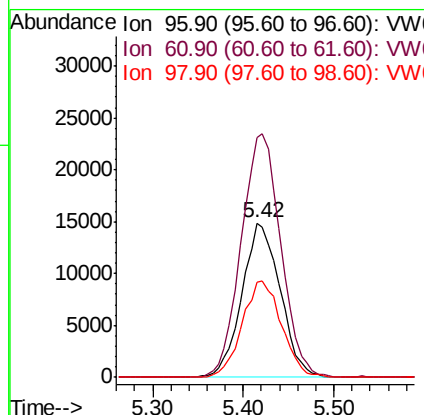
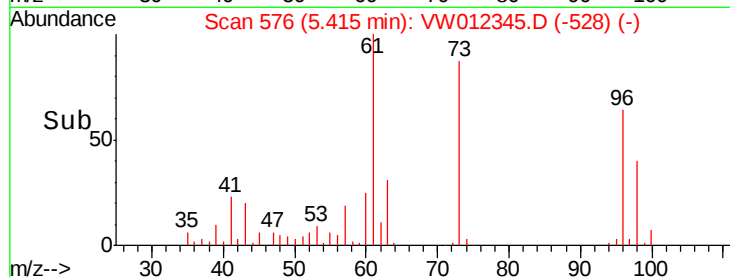
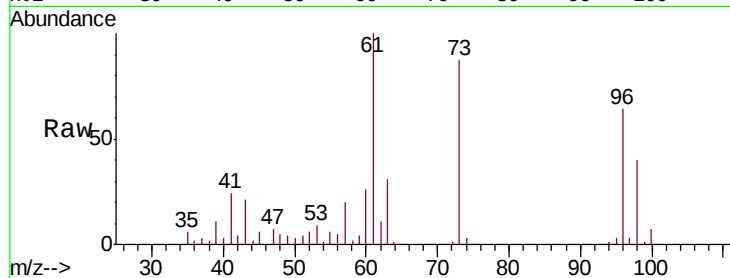
Tot Ion: 96 Resp: 43532

Ion Ratio Lower Upper

96 100

61 155.5 131.4 197.0

98 61.6 51.4 77.0



#22

Diisopropyl ether

Concen: 20.427 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW012345.D

Acq: 30 Aug 2019 12:00

Tgt Ion: 45 Resp: 176073

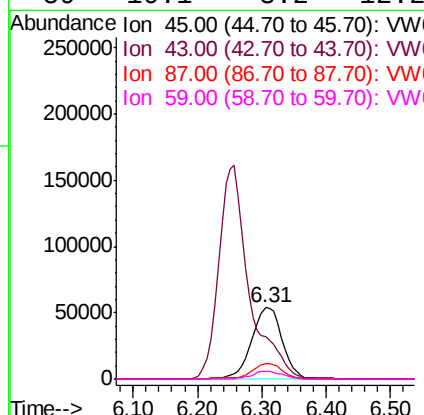
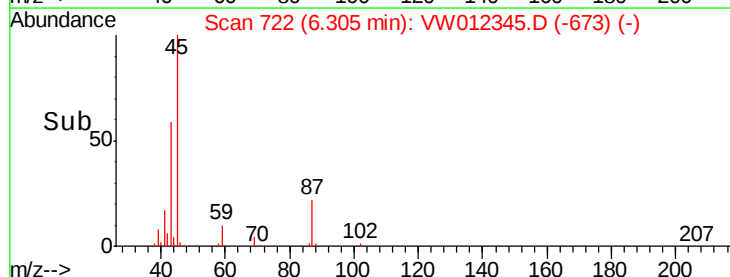
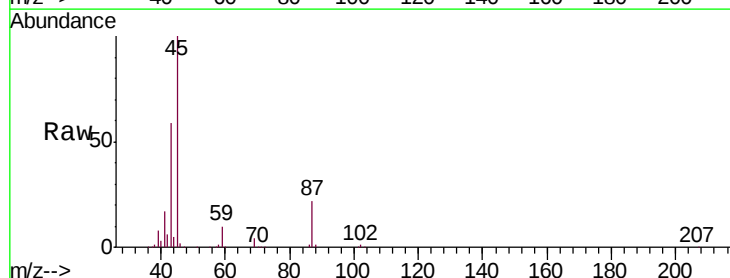
Ion Ratio Lower Upper

45 100

43 58.7 45.5 68.3

87 21.8 16.1 24.1

59 10.1 8.2 12.2





#23

Vinyl Acetate

Concen: 100.567 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW012345.D

Acq: 30 Aug 2019 12:00

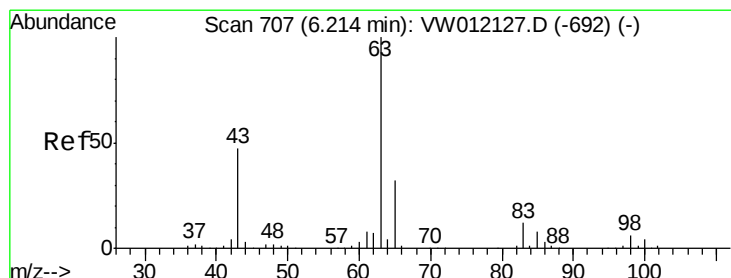
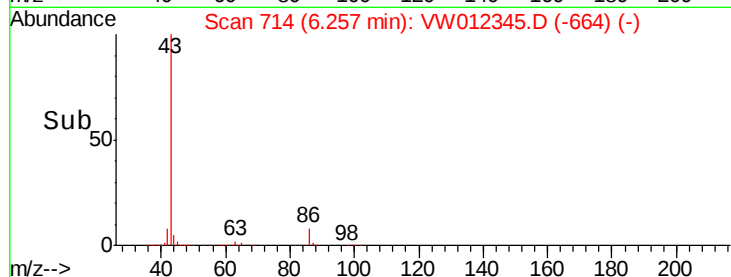
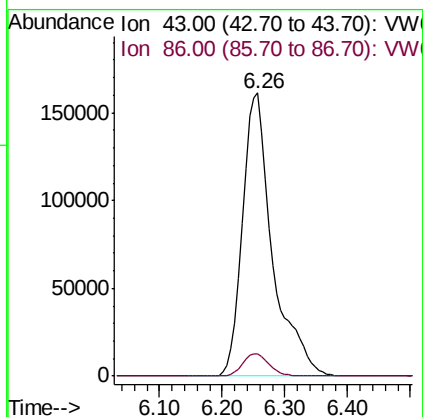
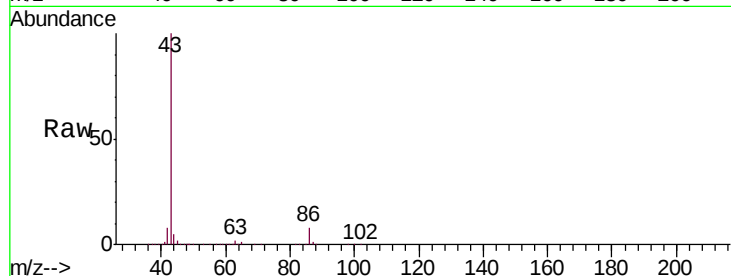
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 533478

Ion Ratio Lower Upper

43 100

86 8.0 6.5 9.7



#24

1,1-Dichloroethane

Concen: 19.793 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012345.D

Acq: 30 Aug 2019 12:00

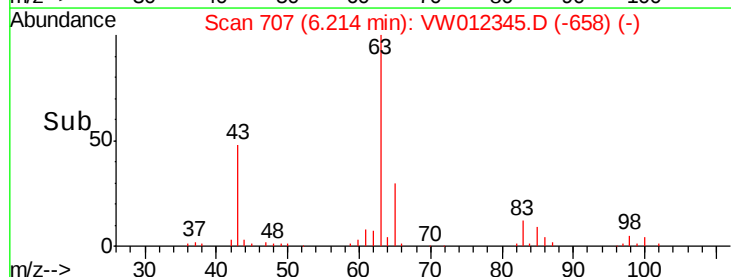
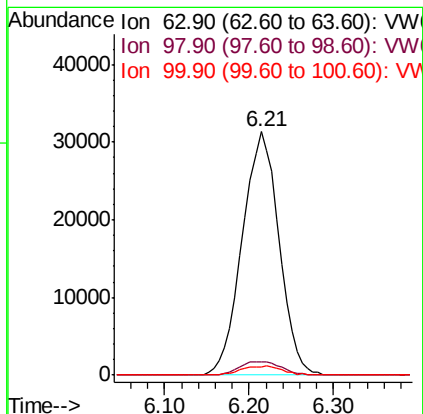
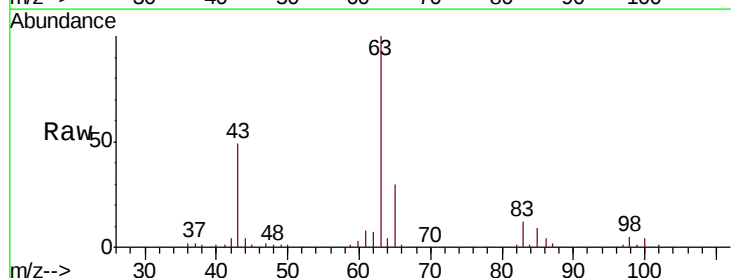
Tgt Ion: 63 Resp: 92896

Ion Ratio Lower Upper

63 100

98 5.3 3.0 9.2

100 3.5 2.0 6.0





#25

2-Butanone

Concen: 103.878 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW012345.D

Acq: 30 Aug 2019 12:00

Instrument :

MSVOA_W

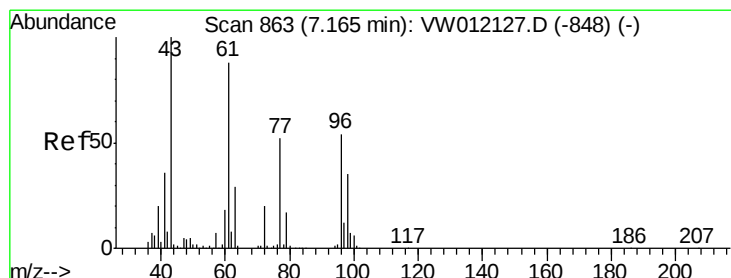
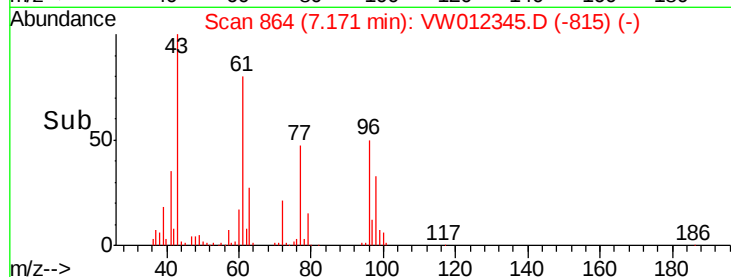
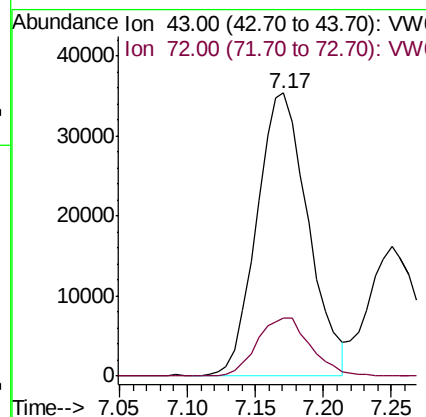
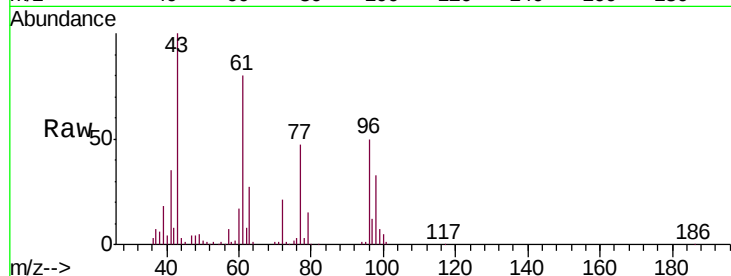
ClientSampled :

Tot Ion: 43 Resp: 93020

Ion Ratio Lower Upper

43 100

72 20.6 16.6 24.8



#26

2,2-Dichloropropane

Concen: 19.922 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW012345.D

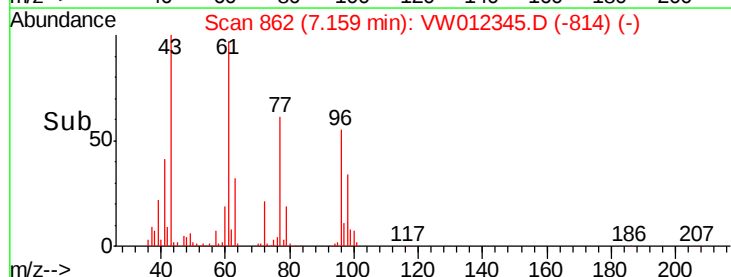
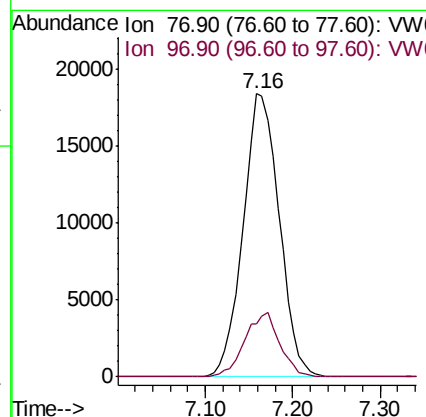
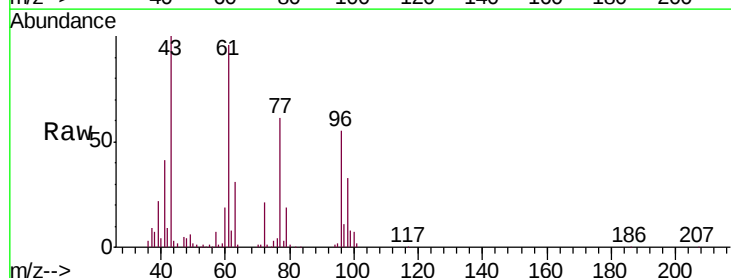
Acq: 30 Aug 2019 12:00

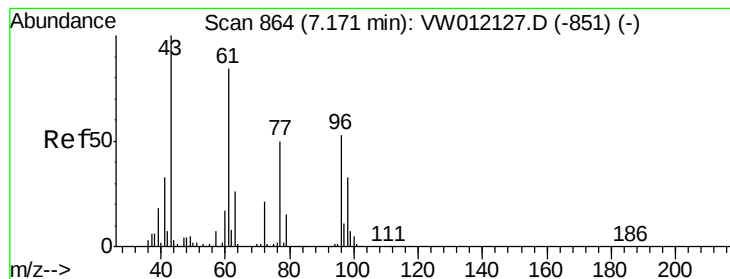
Tgt Ion: 77 Resp: 52922

Ion Ratio Lower Upper

77 100

97 21.9 11.1 33.1



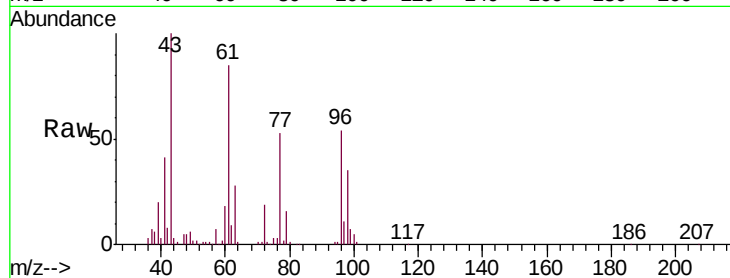


#27

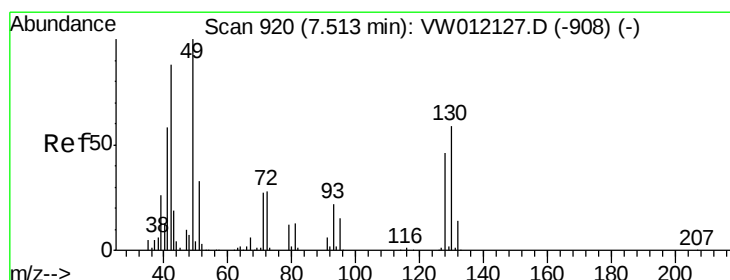
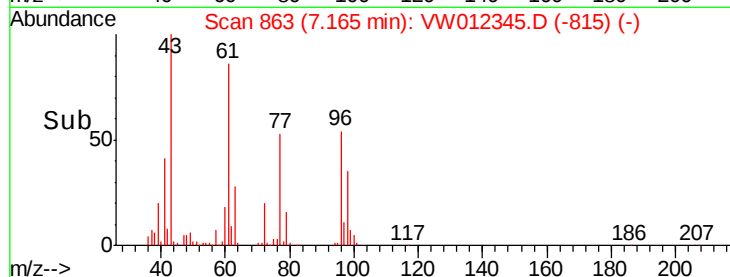
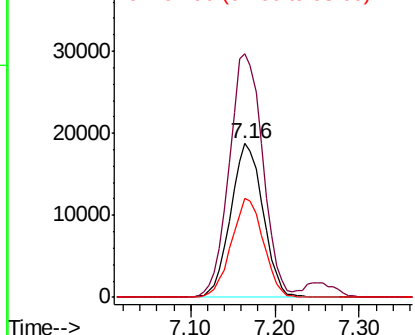
cis-1,2-Dichloroethene
 Concen: 19.579 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW012345.D
 Acq: 30 Aug 2019 12:00

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	96	Resp	48794
Ion	Ratio	Lower	Upper
96	100		
61	164.1	0.0	326.6
98	63.6	0.0	127.4



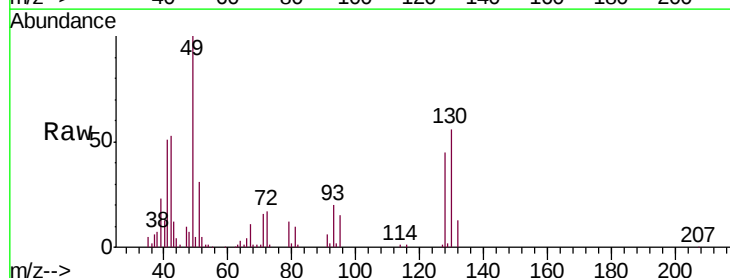
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



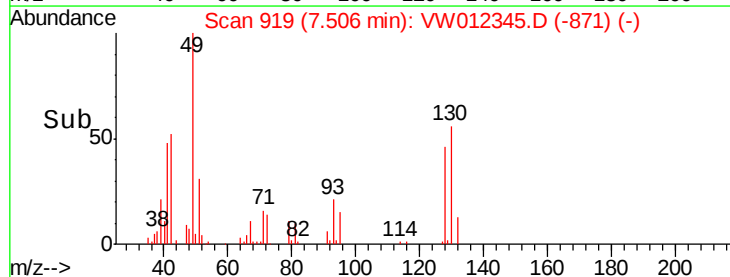
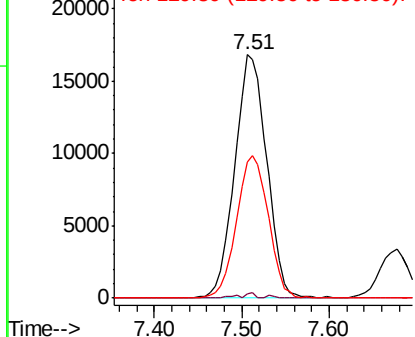
#28

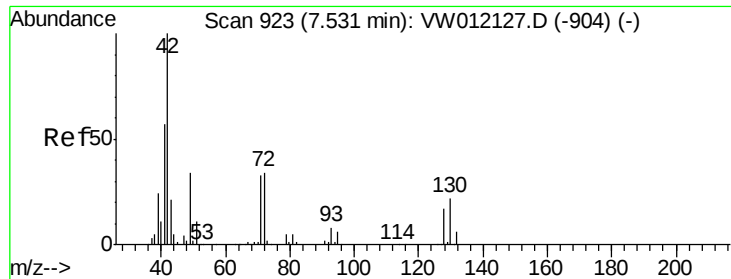
Bromochloromethane
 Concen: 20.927 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW012345.D
 Acq: 30 Aug 2019 12:00

Tgt Ion	49	Resp	42807
Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	1.4
130	57.8	45.5	68.3



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

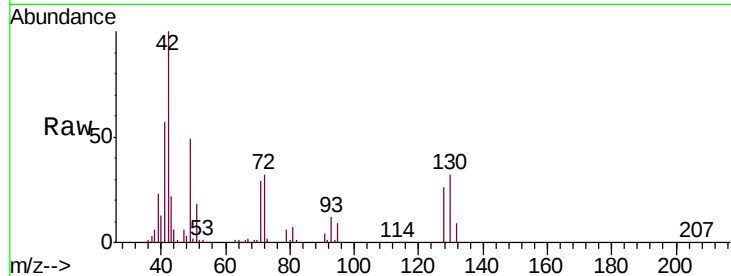




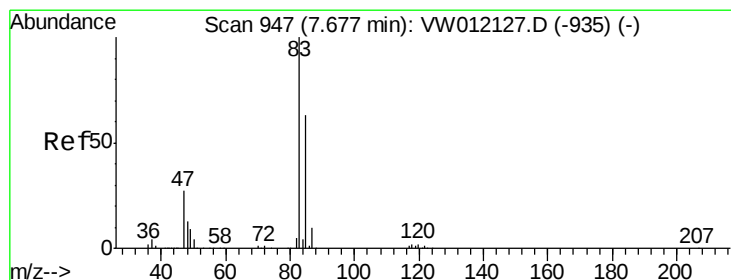
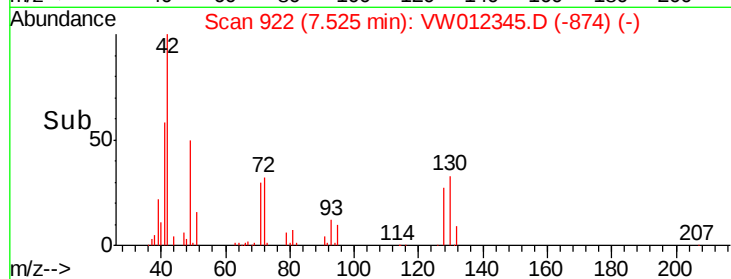
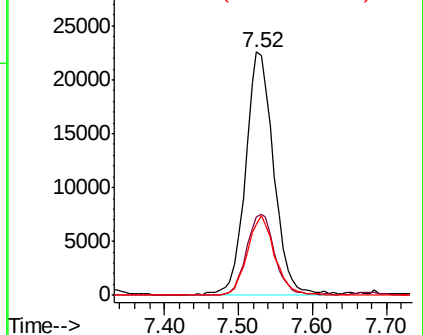
#29
Tetrahydrofuran
Concen: 112.180 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW012345.D
Acq: 30 Aug 2019 12:00

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 42 Resp: 60268
Ion Ratio Lower Upper
42 100
72 33.2 27.3 40.9
71 31.6 25.5 38.3

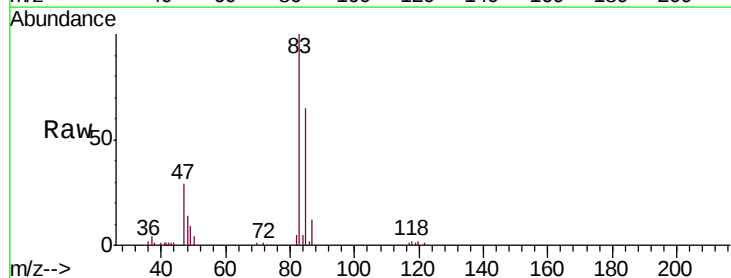


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

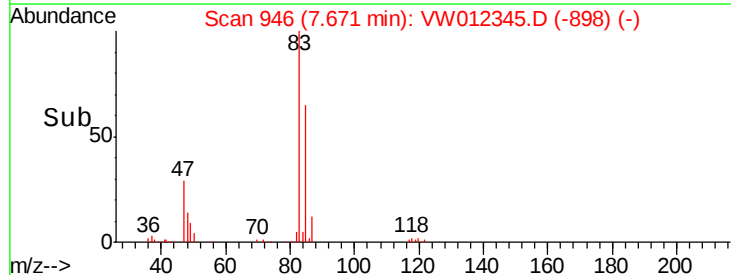
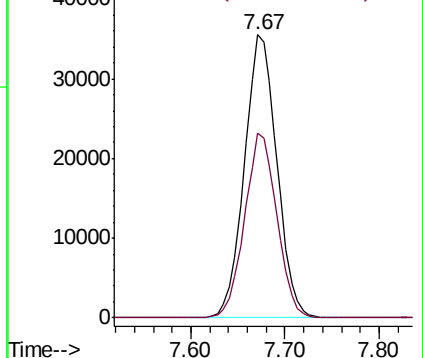


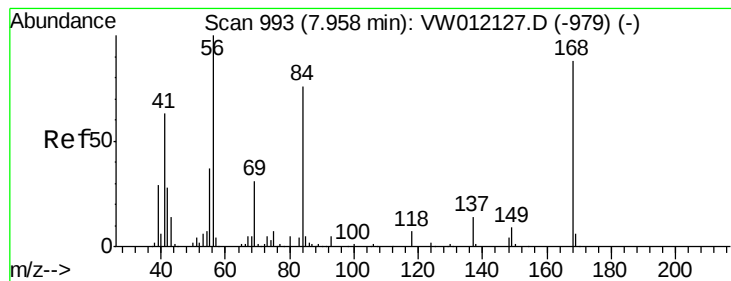
#30
Chloroform
Concen: 20.036 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012345.D
Acq: 30 Aug 2019 12:00

Tgt Ion: 83 Resp: 86033
Ion Ratio Lower Upper
83 100
85 65.3 50.6 76.0



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





#31

Cyclohexane

Concen: 17.935 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012345.D

Acq: 30 Aug 2019 12:00

Instrument :
MSVOA_W
ClientSampleId :

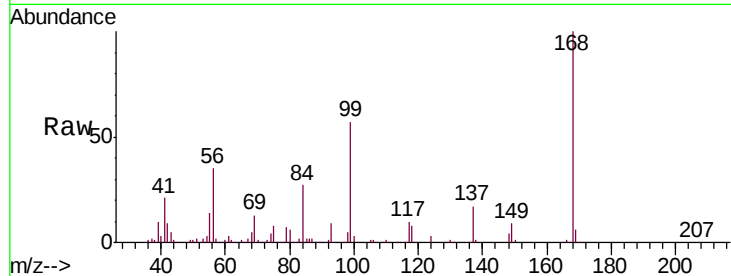
Tot Ion: 56 Resp: 83281

Ion Ratio Lower Upper

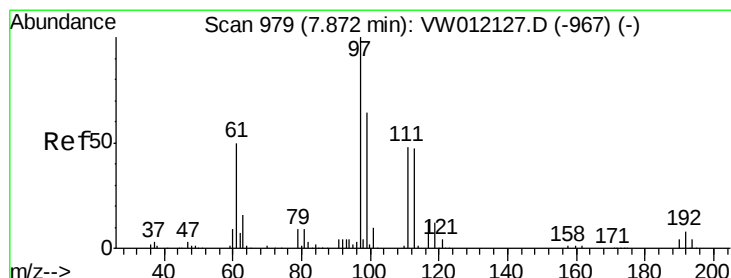
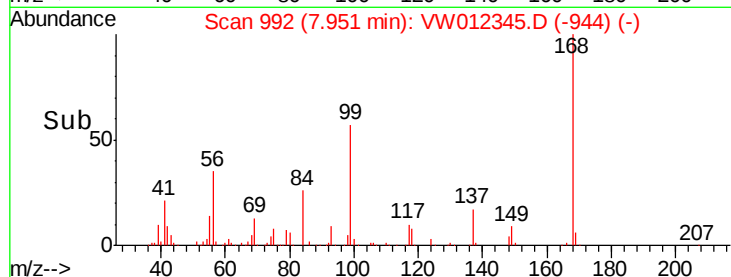
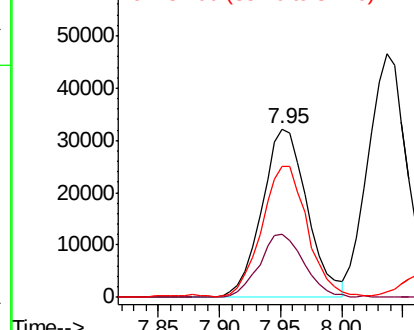
56 100

69 37.2 24.9 37.3

84 76.5 60.6 90.8



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



#32

1,1,1-Trichloroethane

Concen: 19.947 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW012345.D

Acq: 30 Aug 2019 12:00

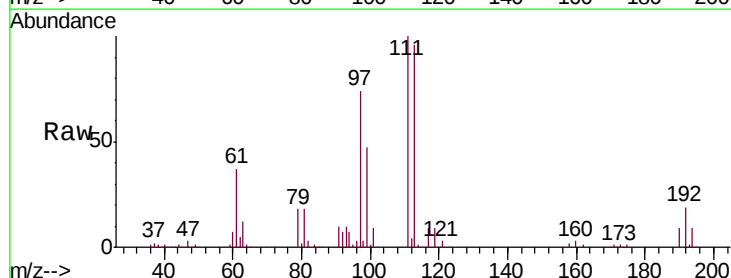
Tgt Ion: 97 Resp: 67755

Ion Ratio Lower Upper

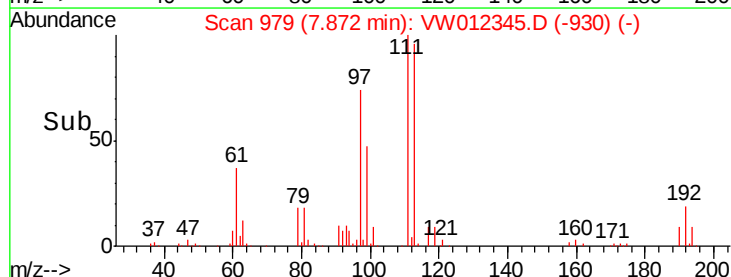
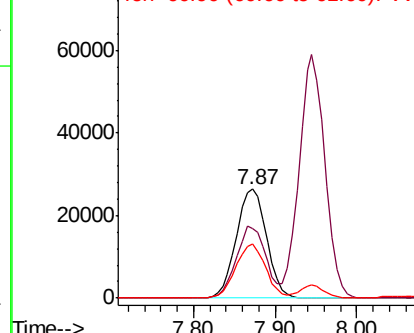
97 100

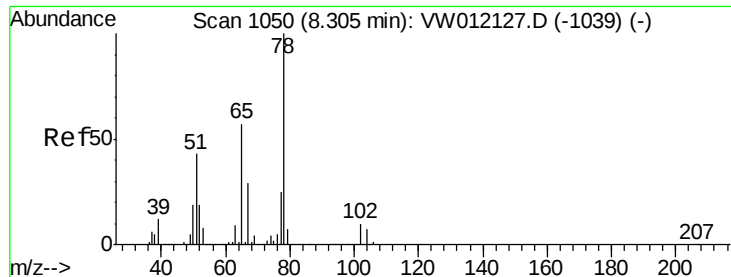
99 63.4 51.4 77.0

61 48.7 39.5 59.3



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

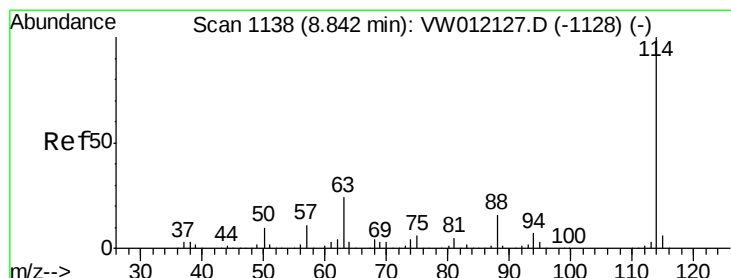
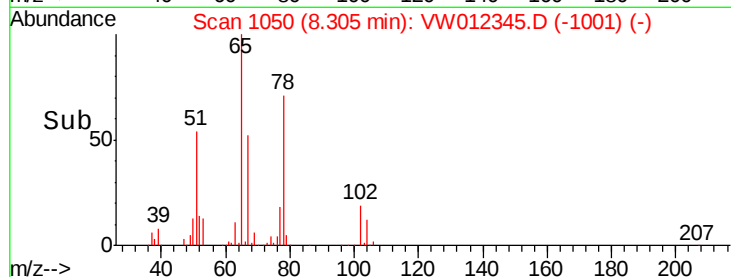
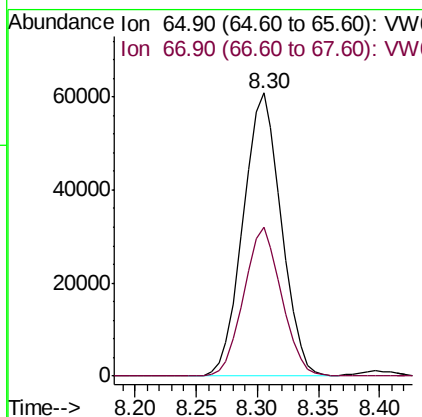
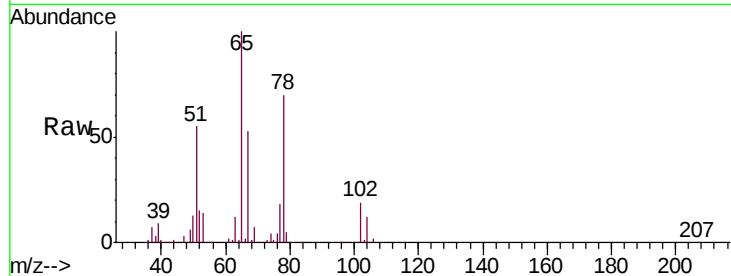




#33
 1,2-Dichloroethane-d4
 Concen: 51.242 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012345.D
 Acq: 30 Aug 2019 12:00

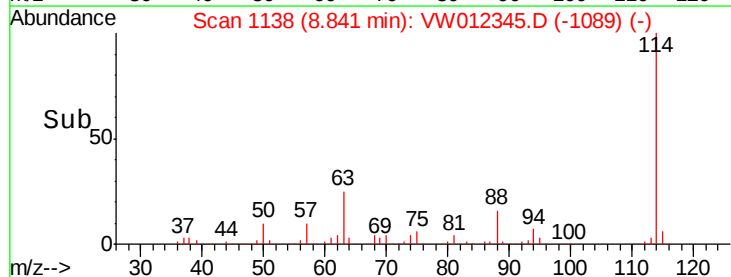
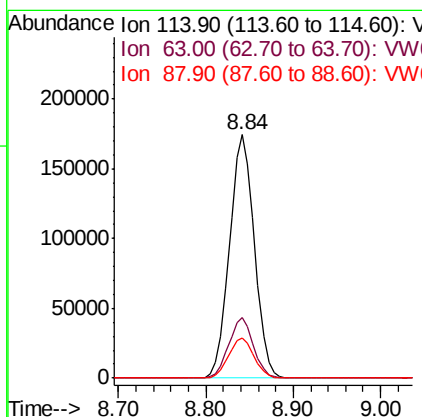
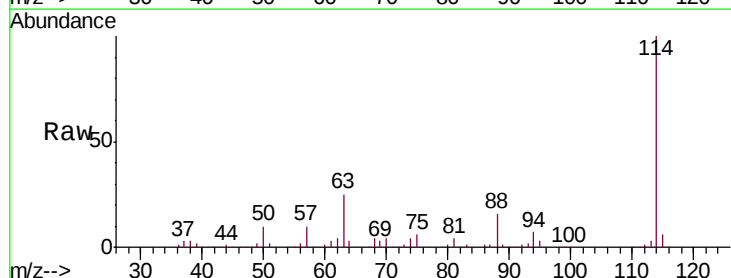
Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 65 Resp: 132099
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012345.D
 Acq: 30 Aug 2019 12:00

Tgt Ion: 114 Resp: 344581
 Ion Ratio Lower Upper
 114 100
 63 25.0 0.0 48.6
 88 16.5 0.0 32.2





#35

Dibromofluoromethane

Concen: 51.008 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012345.D

Acq: 30 Aug 2019 12:00

Instrument :

MSVOA_W

ClientSampleId :

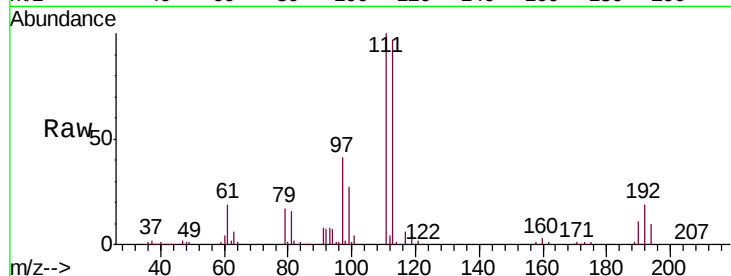
Tot Ion:113 Resp: 104914

Ion Ratio Lower Upper

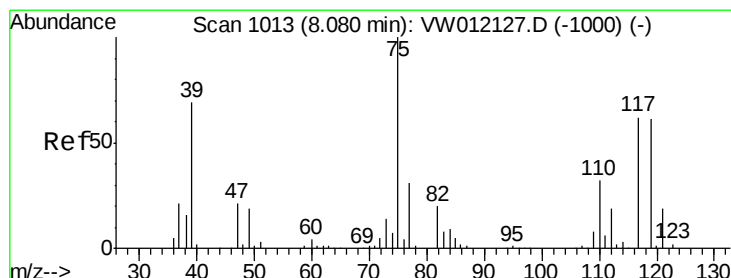
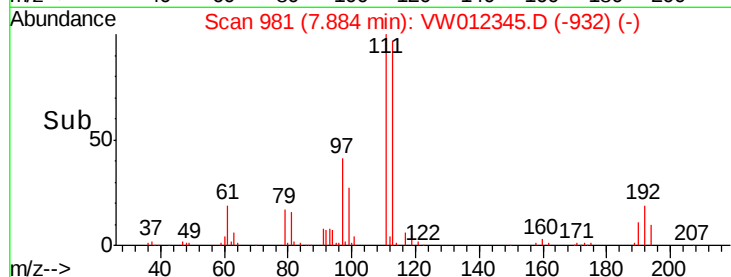
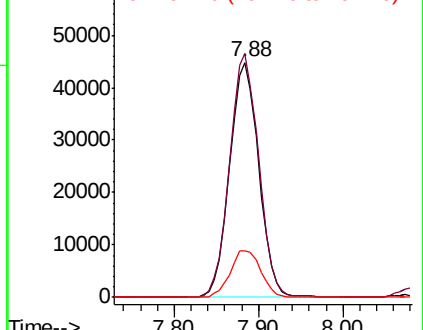
113 100

111 103.8 82.7 124.1

192 20.9 16.2 24.2



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.512 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW012345.D

Acq: 30 Aug 2019 12:00

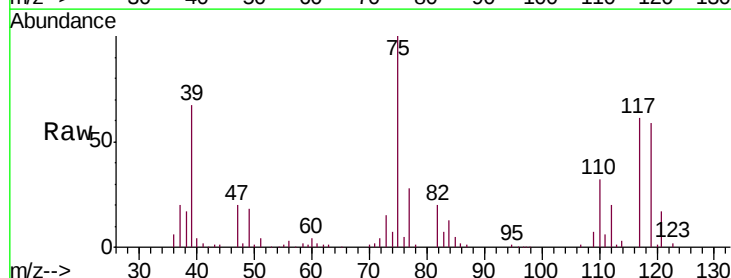
Tgt Ion: 75 Resp: 69481

Ion Ratio Lower Upper

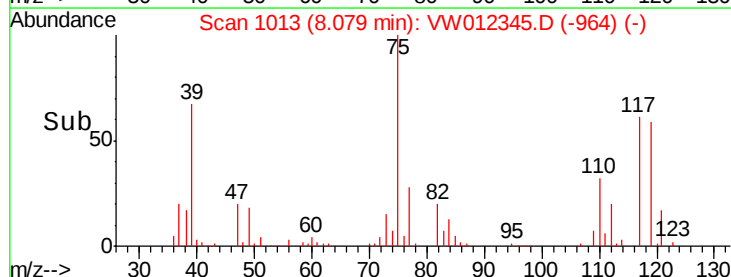
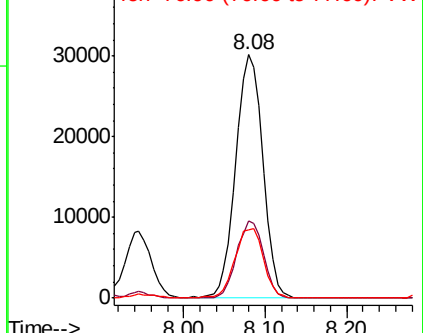
75 100

110 31.4 15.6 46.8

77 30.2 24.6 36.8



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW

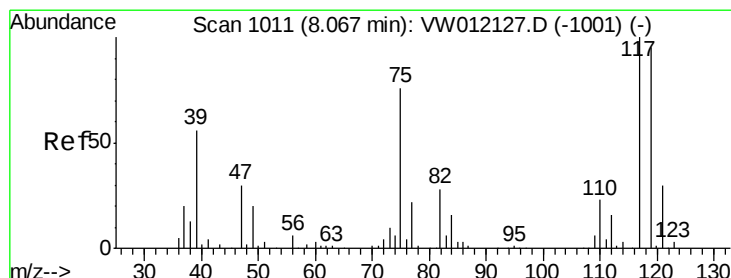
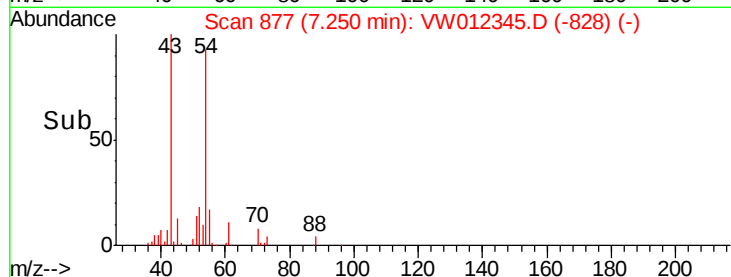
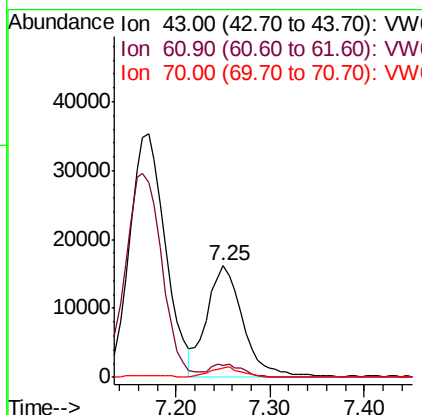
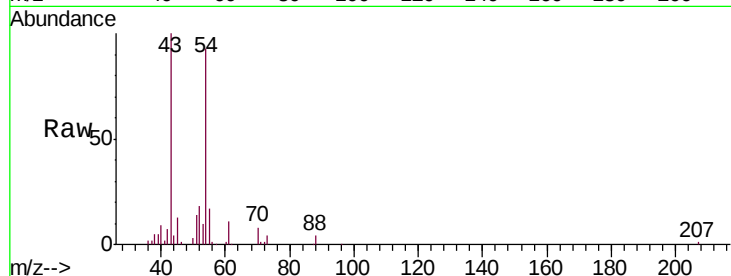




#37
Ethyl Acetate
Concen: 21.955 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012345.D
Acq: 30 Aug 2019 12:00

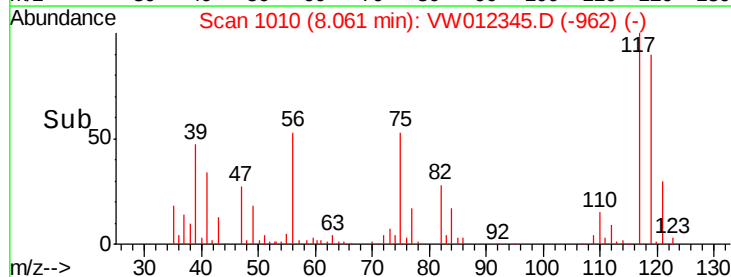
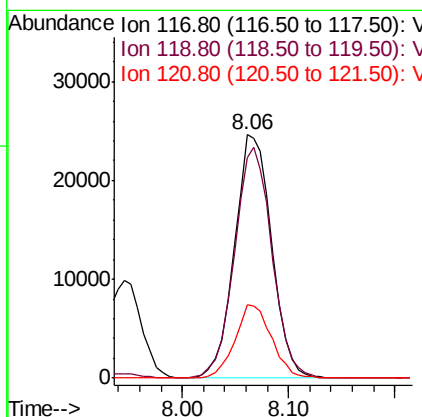
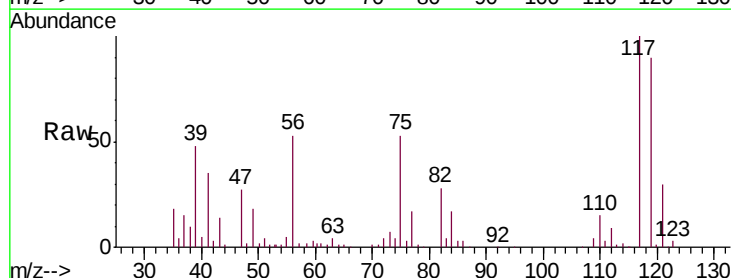
Instrument :
MSVOA_W
ClientSampleId :

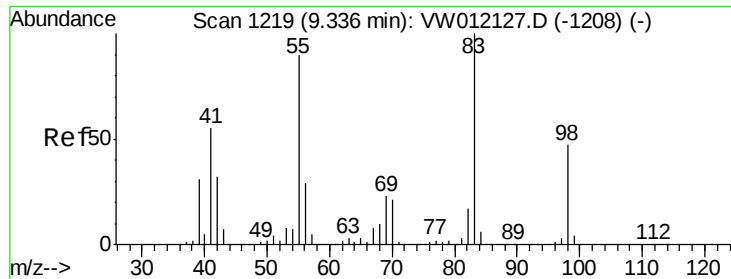
Tot Ion: 43 Resp: 42840
Ion Ratio Lower Upper
43 100
61 11.6 9.2 13.8
70 8.6 6.9 10.3



#38
Carbon Tetrachloride
Concen: 19.557 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW012345.D
Acq: 30 Aug 2019 12:00

Tgt Ion: 117 Resp: 60276
Ion Ratio Lower Upper
117 100
119 90.4 76.2 114.2
121 29.9 23.8 35.8

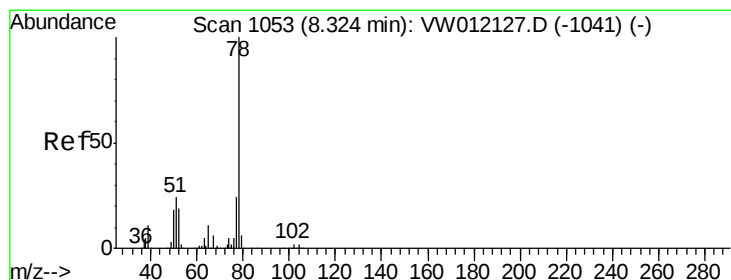
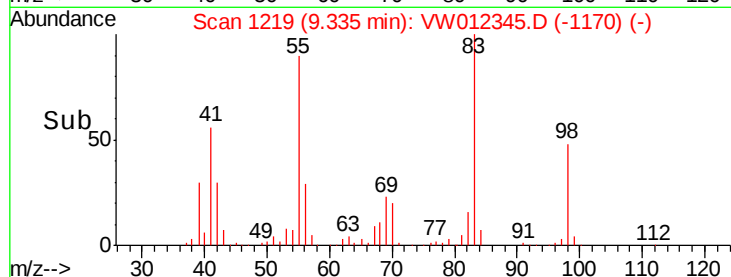
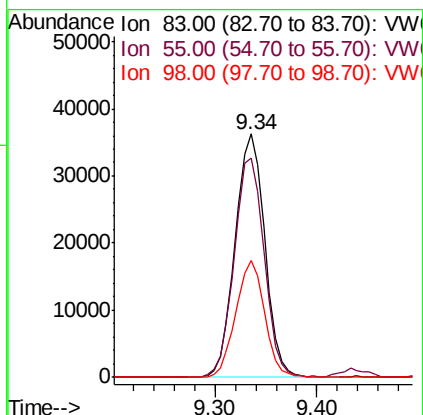
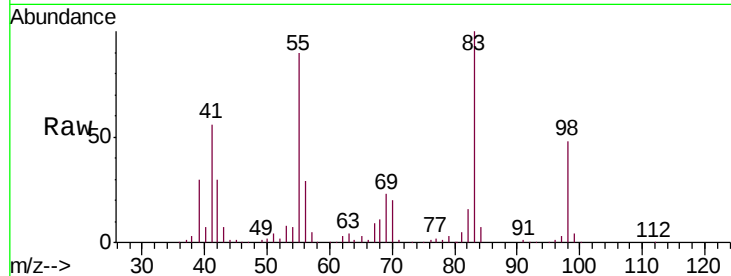




#39
Methvlcvclohexane
Concen: 18.306 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012345.D
Acq: 30 Aug 2019 12:00

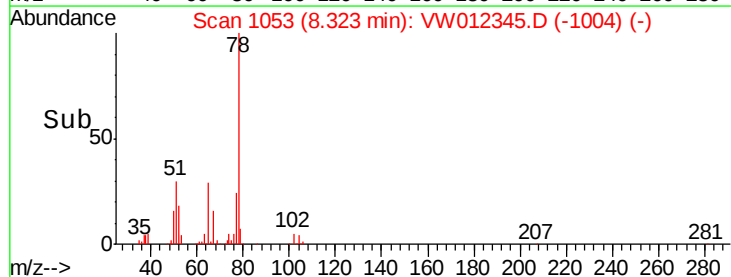
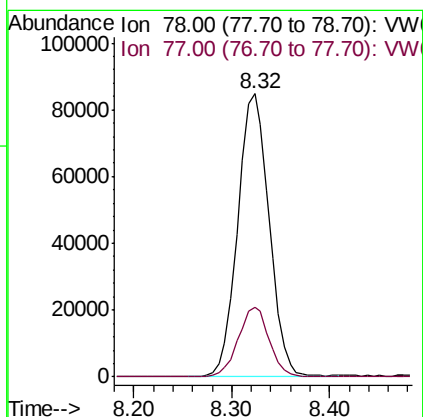
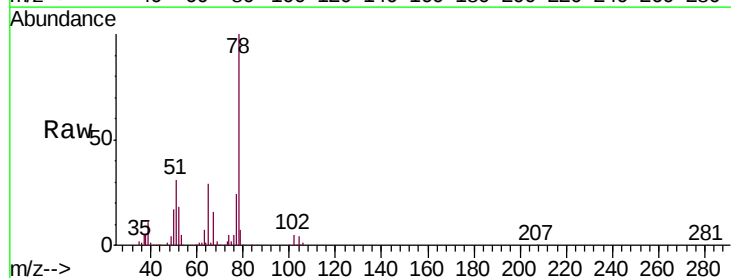
Instrument :
MSVOA_W
ClientSampled :

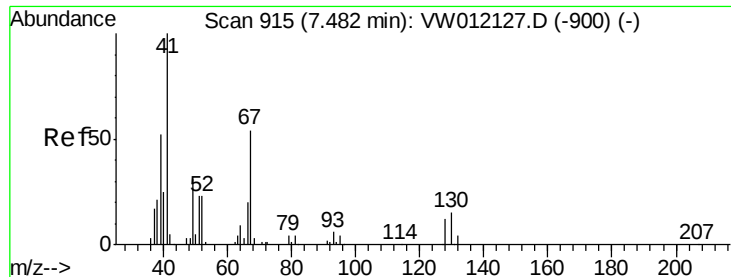
Tot Ion: 83 Resp: 73229
Ion Ratio Lower Upper
83 100
55 90.1 71.8 107.8
98 47.8 37.8 56.8



#40
Benzene
Concen: 19.423 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012345.D
Acq: 30 Aug 2019 12:00

Tgt Ion: 78 Resp: 188857
Ion Ratio Lower Upper
78 100
77 24.4 19.5 29.3

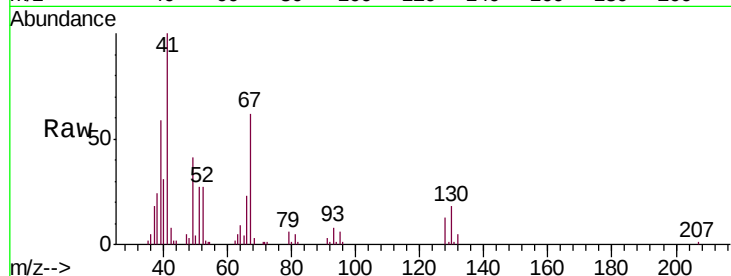




#41
Methacrylonitrile
Concen: 20.268 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012345.D
Acq: 30 Aug 2019 12:00

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	41	Resp:	23244
Ion	Ratio	Lower	Upper
41	100		
39	63.9	45.8	68.8
67	62.2	46.2	69.4
52	28.6	21.0	31.6



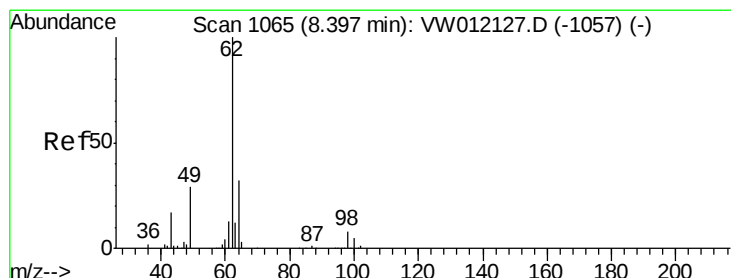
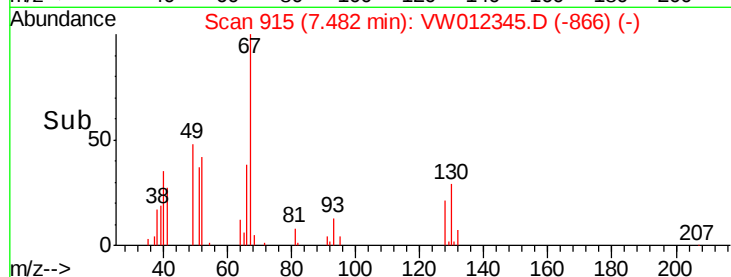
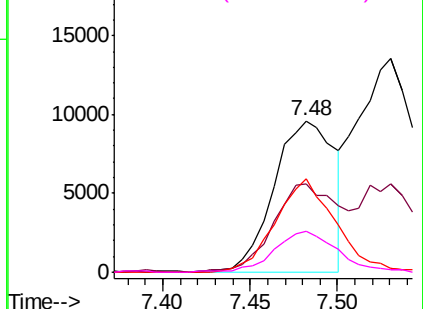
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

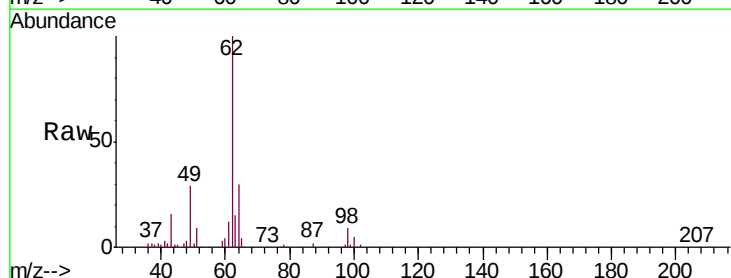
Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42
1,2-Dichloroethane
Concen: 20.415 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012345.D
Acq: 30 Aug 2019 12:00

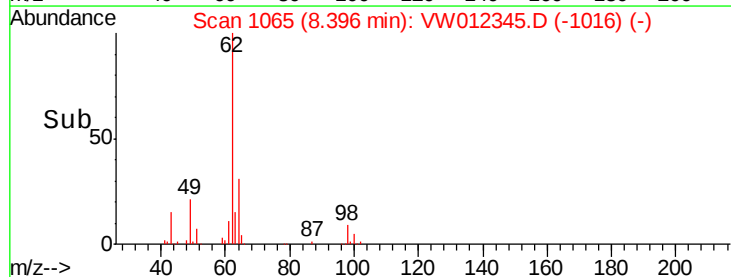
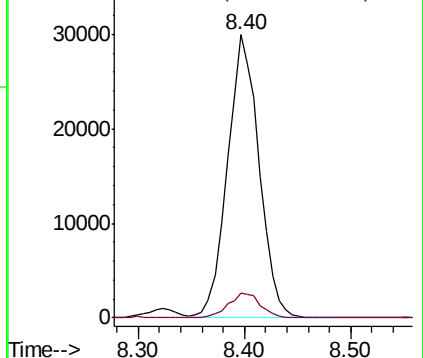
Tgt Ion:	62	Resp:	62211
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	16.6

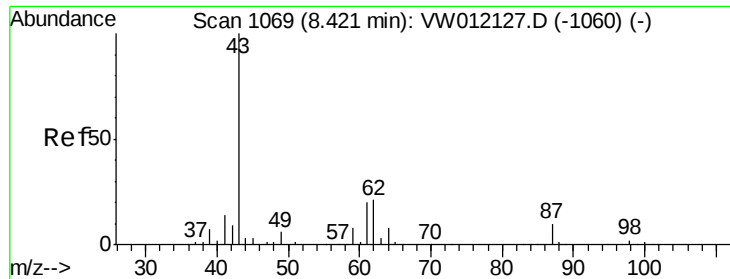


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 21.383 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

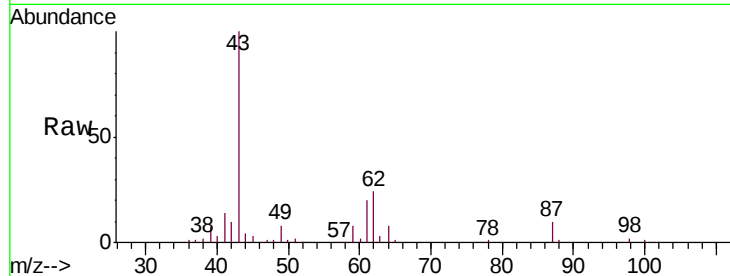
Lab File: VW012345.D

Acq: 30 Aug 2019 12:00

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 77287

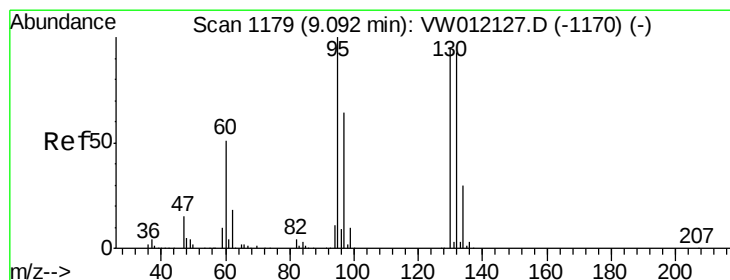
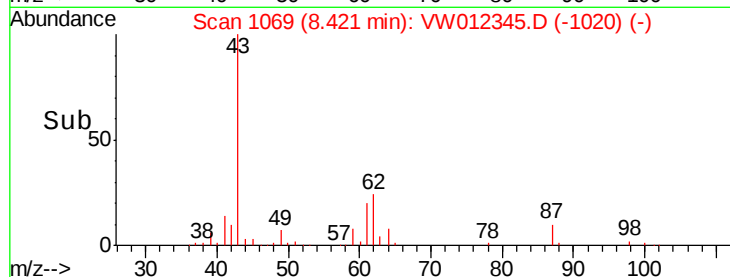
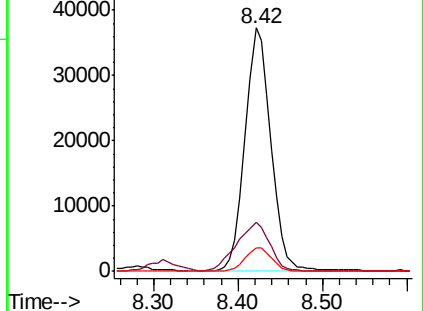
Ion	Ratio	Lower	Upper
43	100		
61	26.1	21.1	31.7
87	10.1	8.2	12.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 19.510 ug/l

RT: 9.09 min Scan# 1179

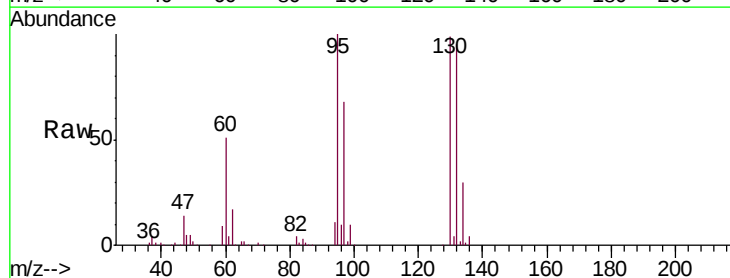
Delta R.T. -0.00 min

Lab File: VW012345.D

Acq: 30 Aug 2019 12:00

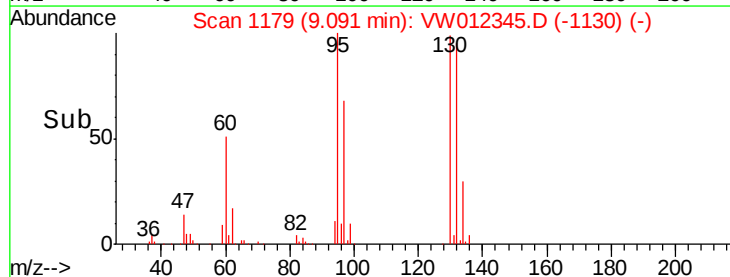
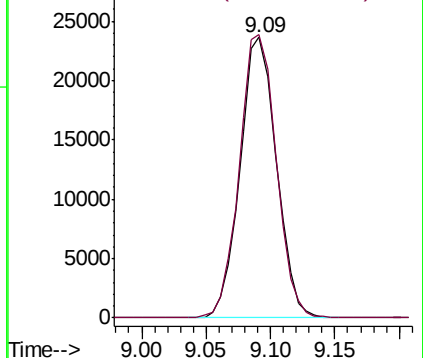
Tgt Ion: 130 Resp: 46115

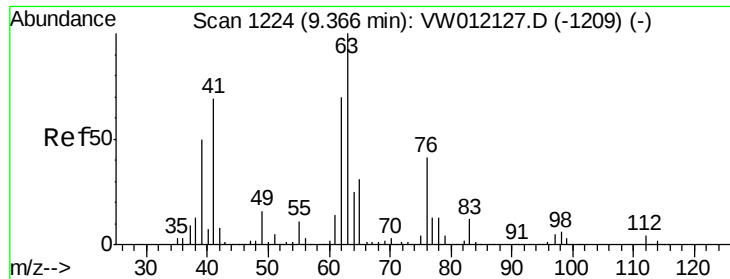
Ion	Ratio	Lower	Upper
130	100		
95	100.8	0.0	210.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 19.708 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW012345.D

Acq: 30 Aug 2019 12:00

Instrument :

MSVOA_W

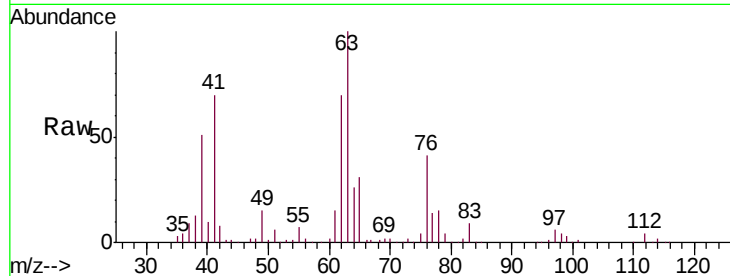
ClientSampled :

Tot Ion: 63 Resp: 51571

Ion Ratio Lower Upper

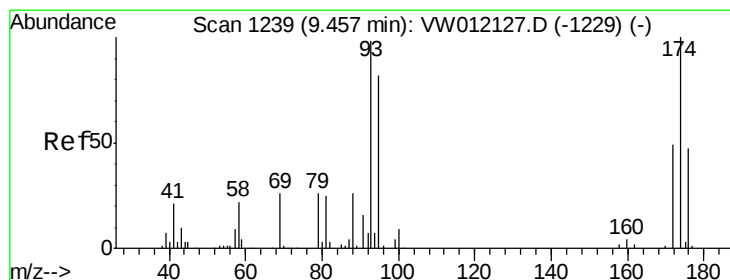
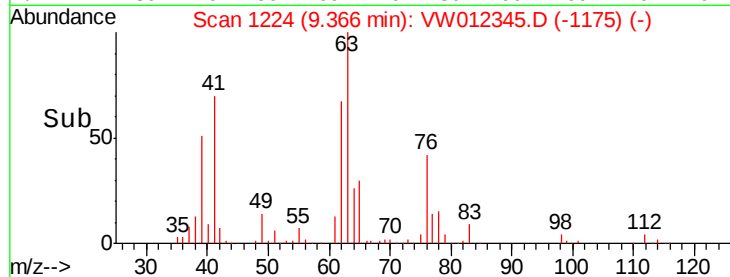
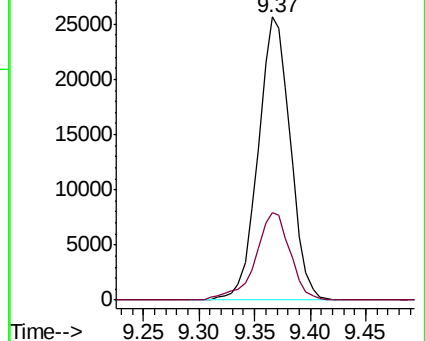
63 100

65 31.0 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 19.883 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW012345.D

Acq: 30 Aug 2019 12:00

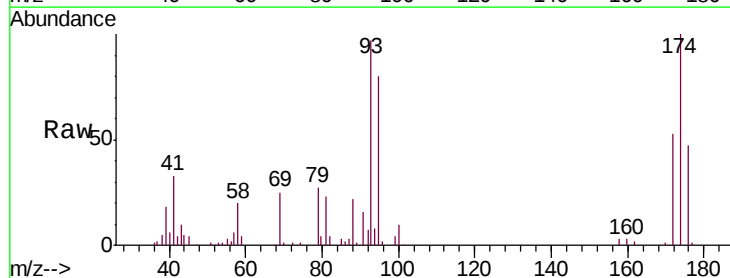
Tgt Ion: 93 Resp: 23149

Ion Ratio Lower Upper

93 100

95 84.5 67.2 100.8

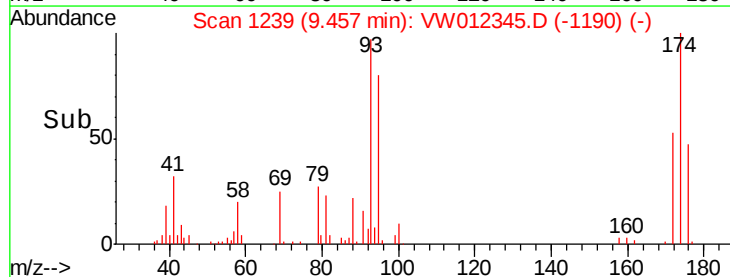
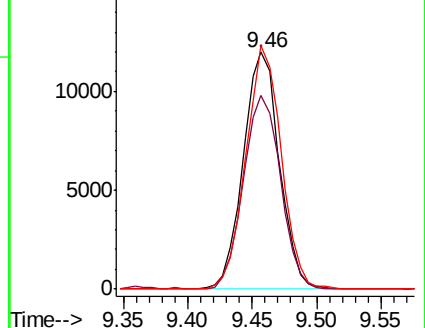
174 100.7 79.0 118.6



Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.844 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW012345.D

Acq: 30 Aug 2019 12:00

Instrument :

MSVOA_W

ClientSampleId :

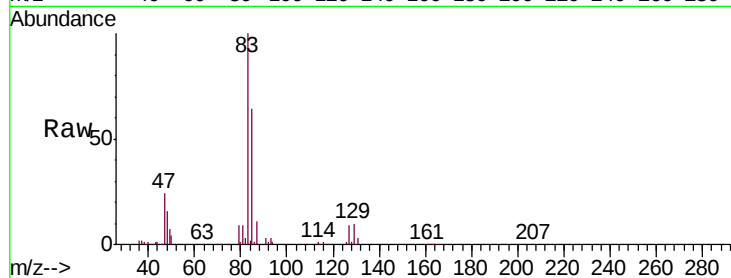
Tot Ion: 83 Resp: 61490

Ion Ratio Lower Upper

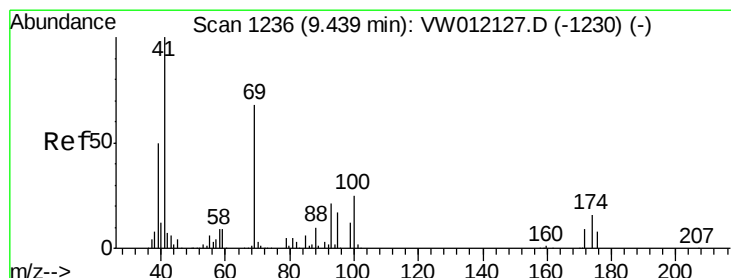
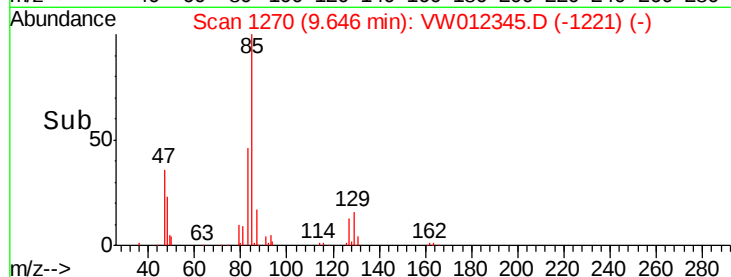
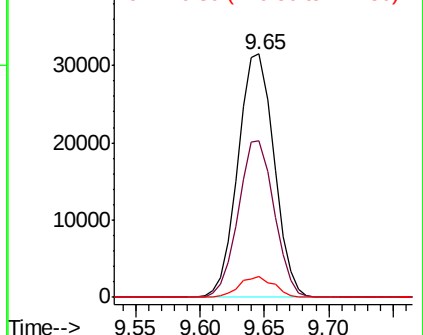
83 100

85 64.3 49.4 74.2

127 8.5 6.1 9.1



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



#48

Methyl methacrylate

Concen: 20.107 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW012345.D

Acq: 30 Aug 2019 12:00

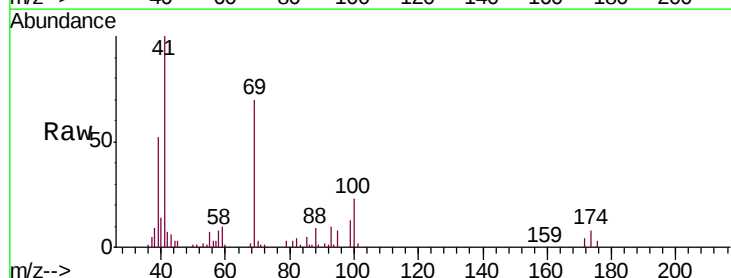
Tgt Ion: 41 Resp: 34589

Ion Ratio Lower Upper

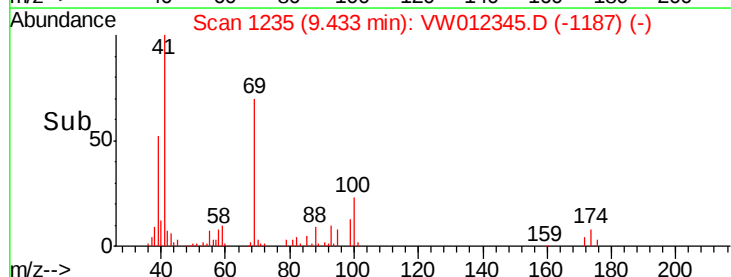
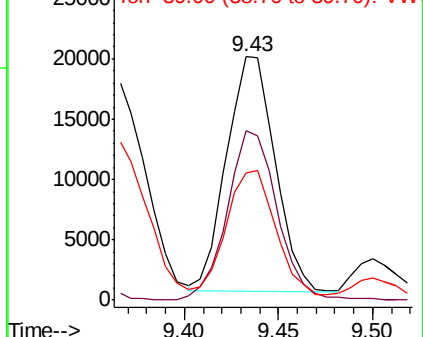
41 100

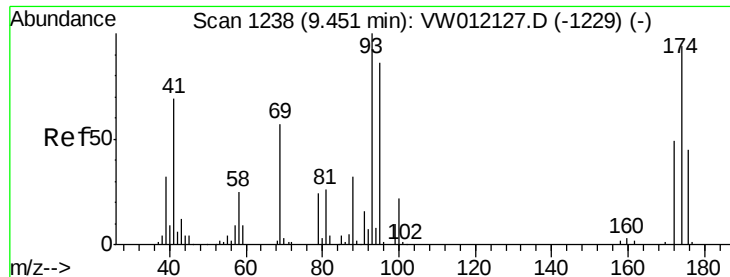
69 74.8 56.7 85.1

39 58.5 42.0 63.0



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: 407.879 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.00 min

Lab File: VW012345.D

Acq: 30 Aug 2019 12:00

Instrument :

MSVOA_W

ClientSampleId :

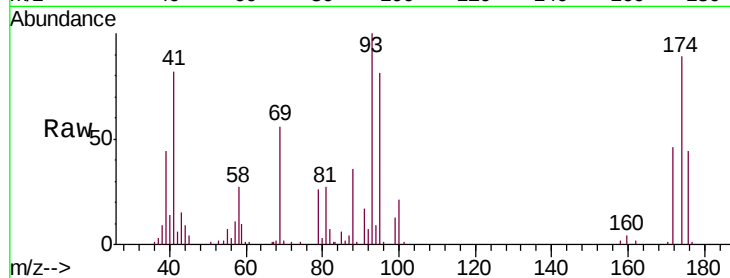
Tot Ion: 88 Resp: 7270

Ion Ratio Lower Upper

88 100

43 45.1 32.9 49.3

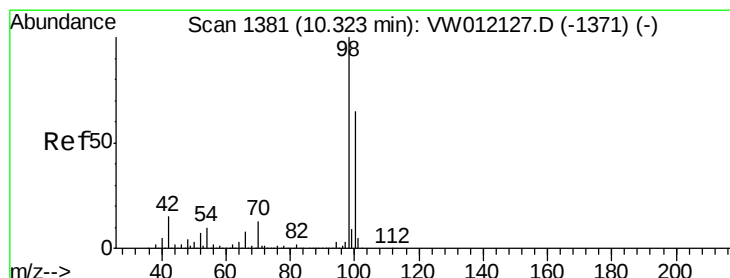
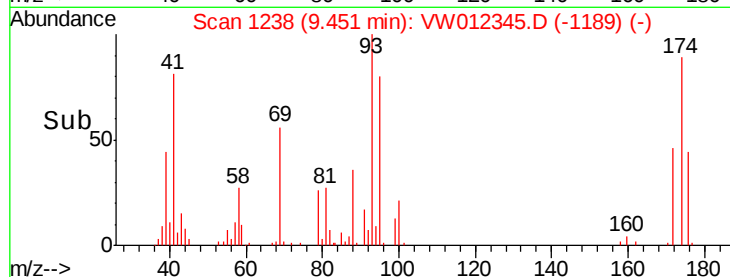
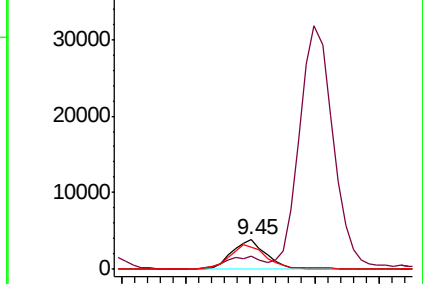
58 91.8 71.0 106.4



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 50.907 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012345.D

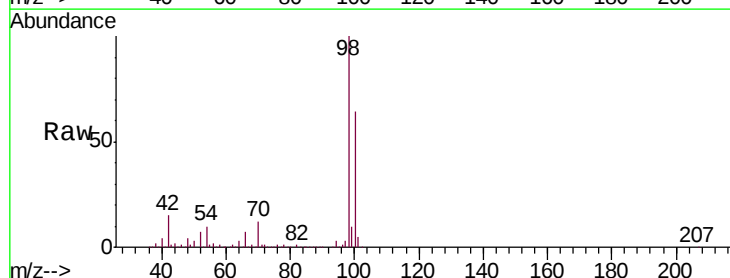
Acq: 30 Aug 2019 12:00

Tgt Ion: 98 Resp: 424554

Ion Ratio Lower Upper

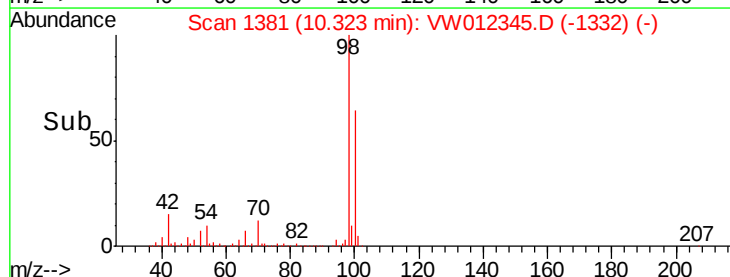
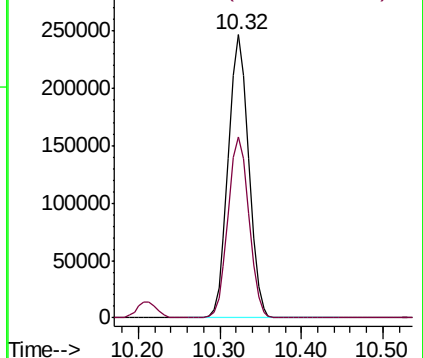
98 100

100 65.1 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 108.175 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012345.D

Acq: 30 Aug 2019 12:00

Instrument :

MSVOA_W

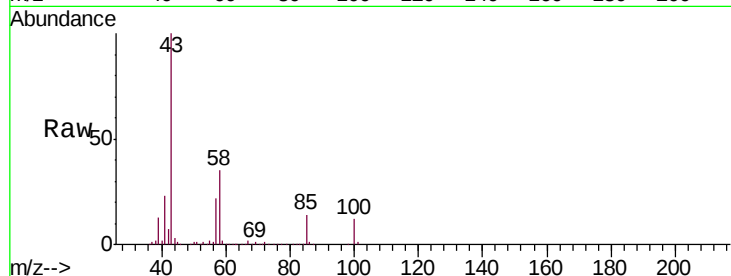
ClientSampled :

Tot Ion: 43 Resp: 198868

Ion Ratio Lower Upper

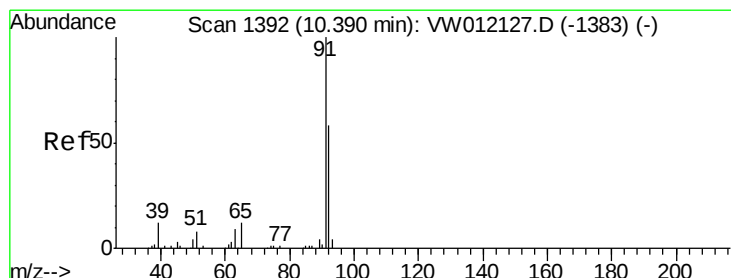
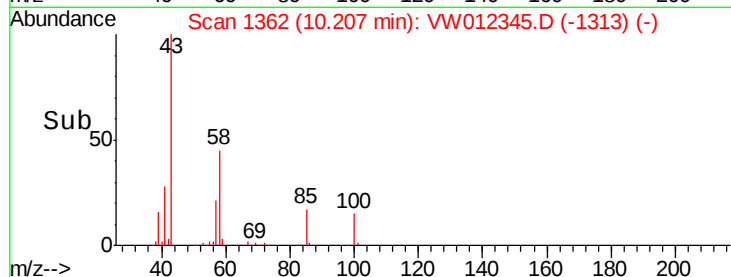
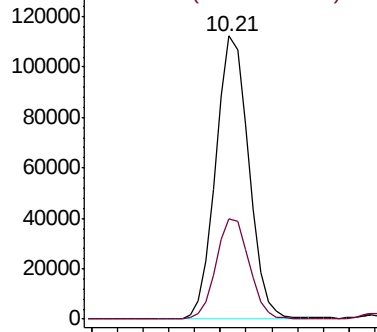
43 100

58 35.5 28.2 42.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 19.714 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW012345.D

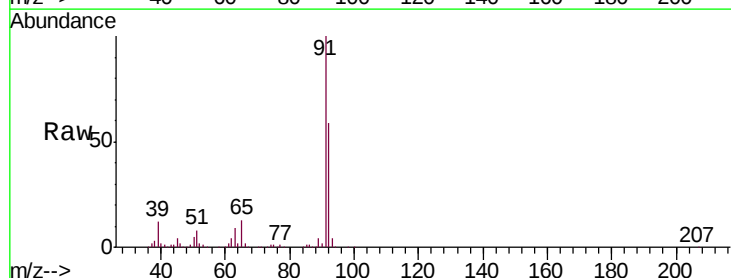
Acq: 30 Aug 2019 12:00

Tgt Ion: 92 Resp: 115153

Ion Ratio Lower Upper

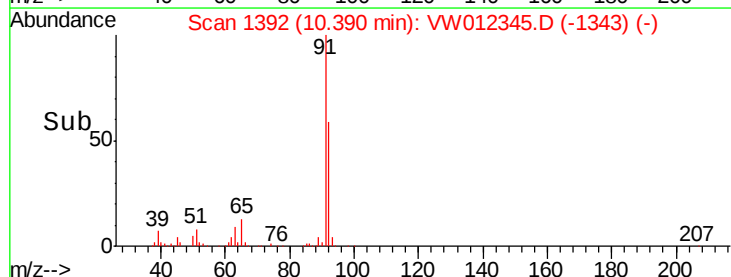
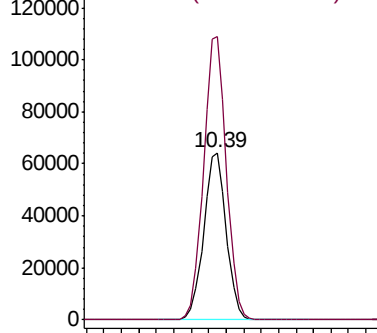
92 100

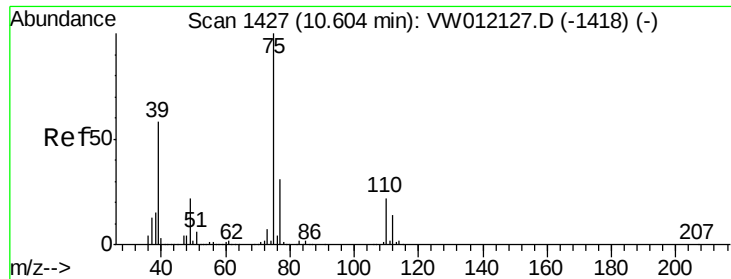
91 171.3 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 19.921 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012345.D

Acq: 30 Aug 2019 12:00

Instrument :

MSVOA_W

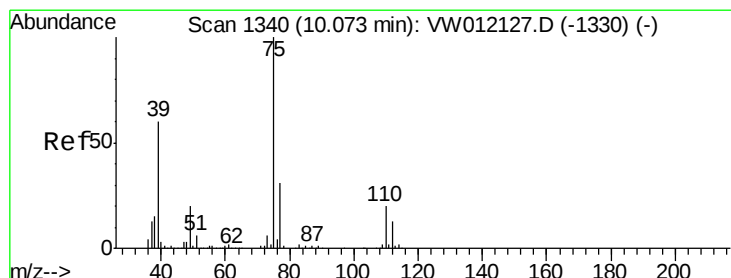
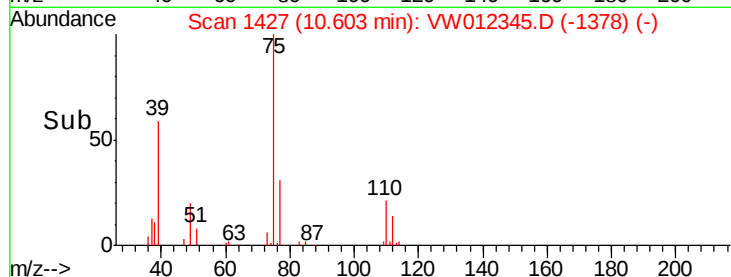
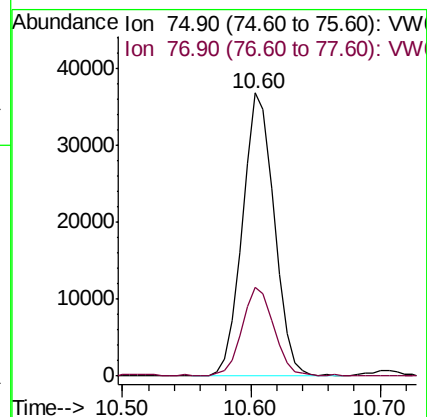
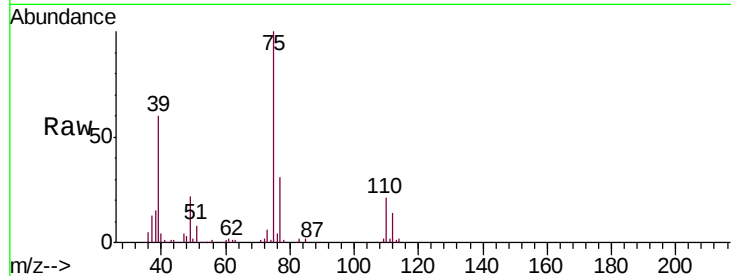
ClientSampleId :

Tot Ion: 75 Resp: 62878

Ion Ratio Lower Upper

75 100

77 30.9 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 19.515 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012345.D

Acq: 30 Aug 2019 12:00

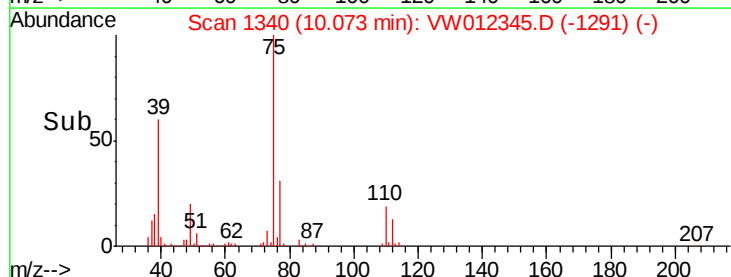
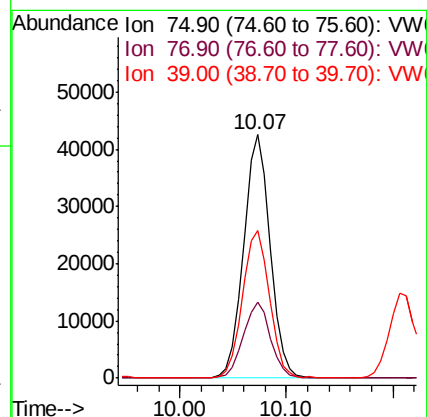
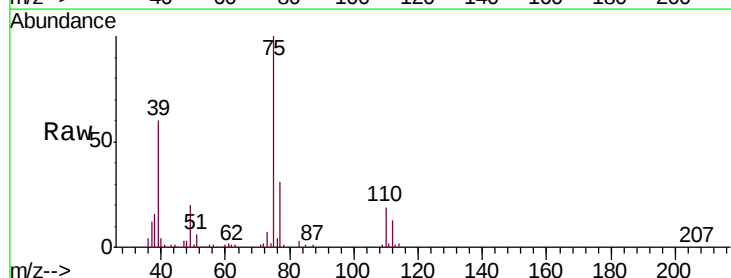
Tgt Ion: 75 Resp: 74373

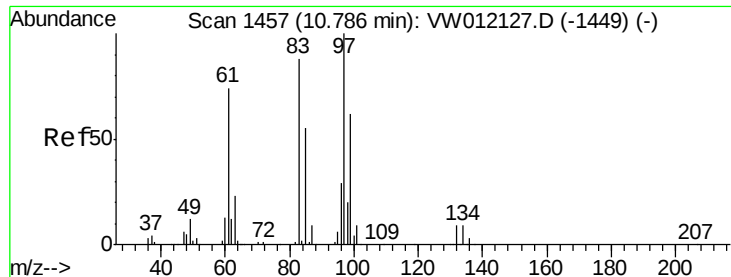
Ion Ratio Lower Upper

75 100

77 31.1 25.1 37.7

39 60.3 48.3 72.5

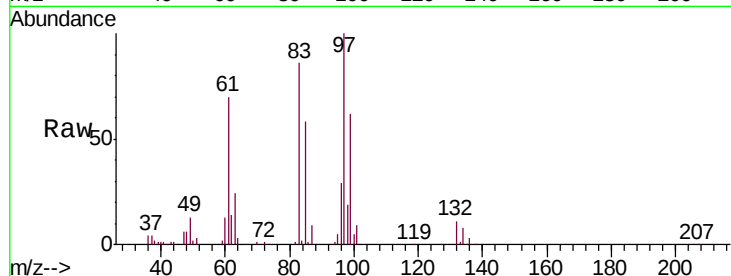




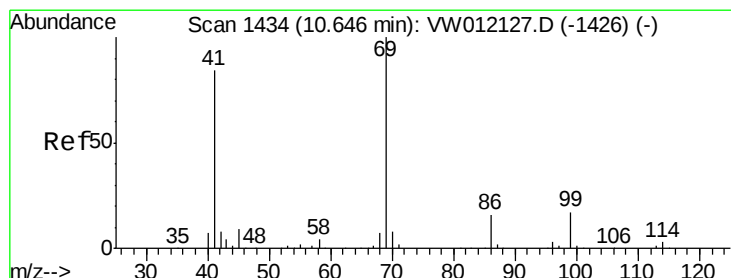
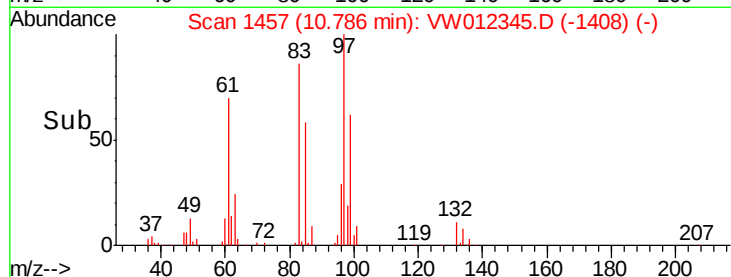
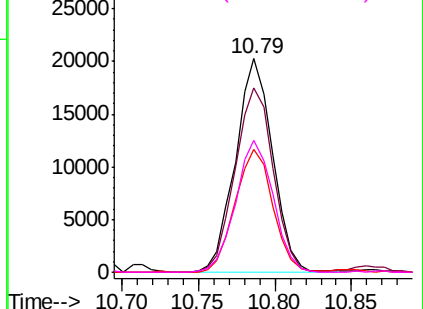
#55
 1,1,2-Trichloroethane
 Concen: 20.822 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012345.D
 Acq: 30 Aug 2019 12:00

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	97	Resp:	34300
Ion	Ratio	Lower	Upper
97	100		
83	86.2	70.8	106.2
85	57.8	43.8	65.8
99	62.0	49.8	74.6

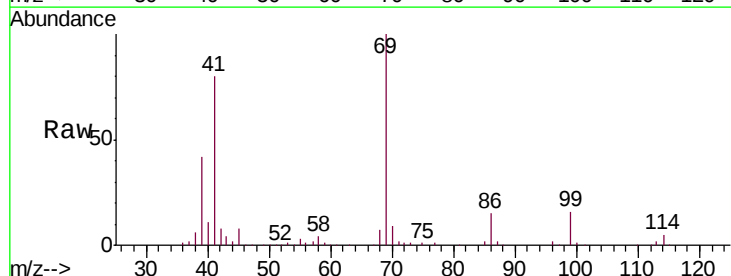


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

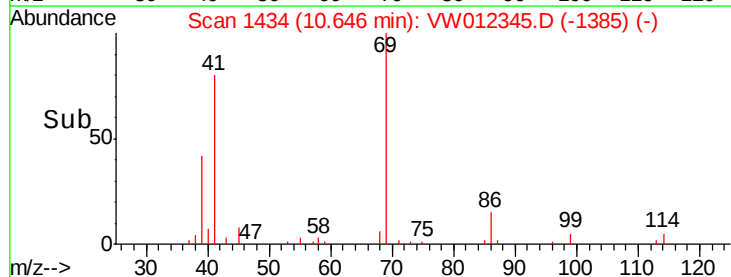
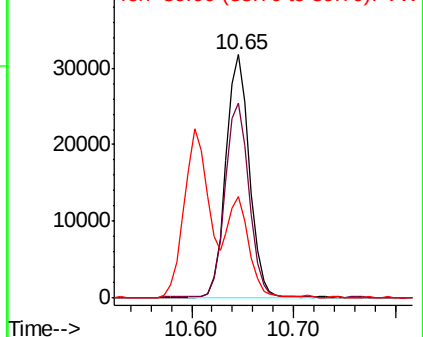


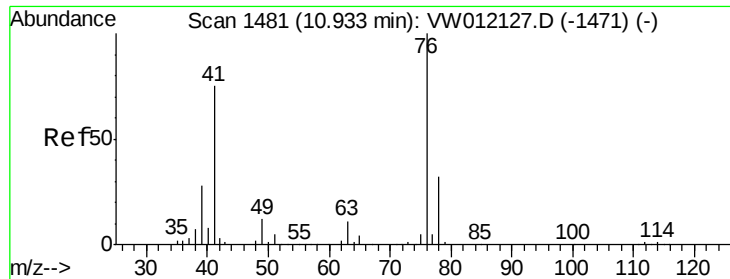
#56
 Ethyl methacrylate
 Concen: 21.239 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012345.D
 Acq: 30 Aug 2019 12:00

Tgt Ion:	69	Resp:	50922
Ion	Ratio	Lower	Upper
69	100		
41	83.5	66.5	99.7
39	37.6	31.0	46.4



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: 20.551 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW012345.D

Acq: 30 Aug 2019 12:00

Instrument :

MSVOA_W

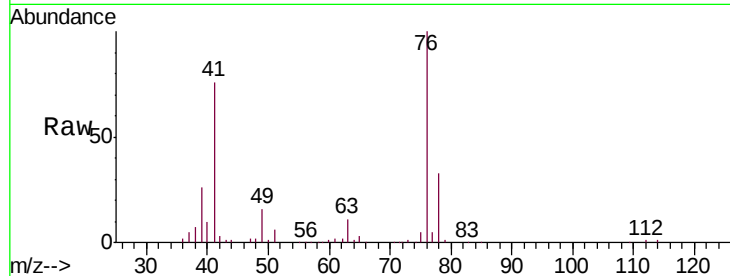
ClientSampled :

Tot Ion: 76 Resp: 63974

Ion Ratio Lower Upper

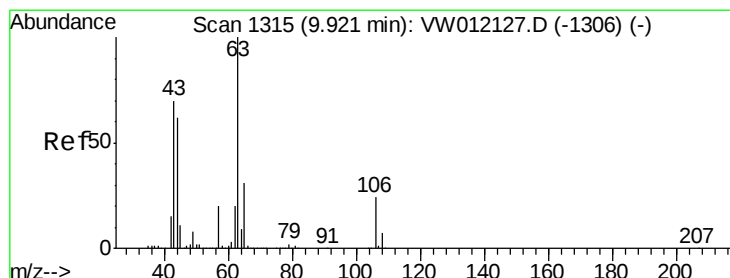
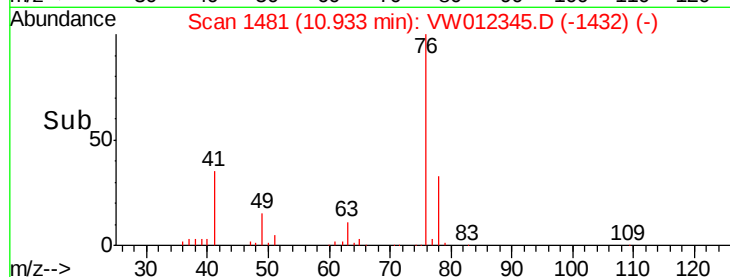
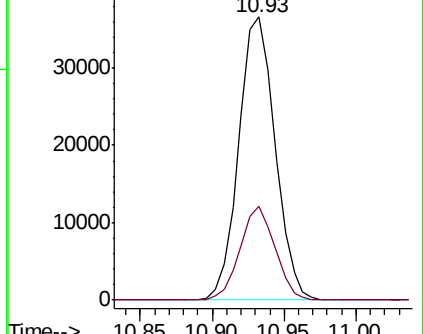
76 100

78 32.3 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#58

2-Chloroethyl Vinyl ether

Concen: 111.037 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW012345.D

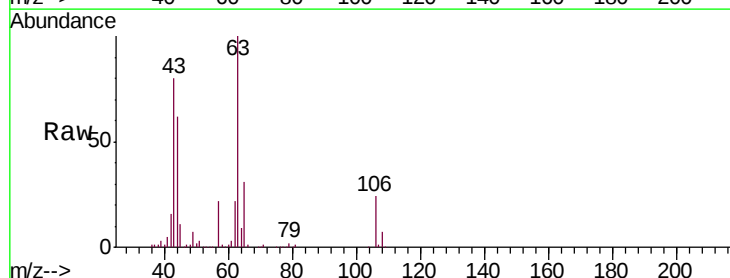
Acq: 30 Aug 2019 12:00

Tgt Ion: 63 Resp: 136627

Ion Ratio Lower Upper

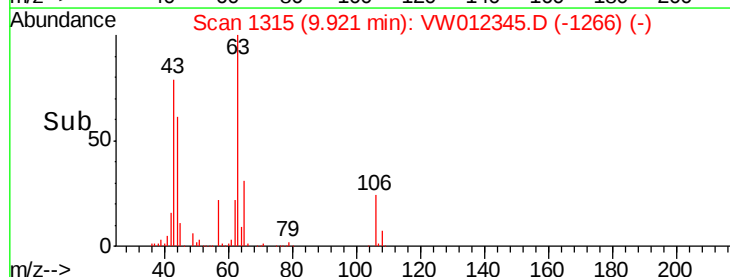
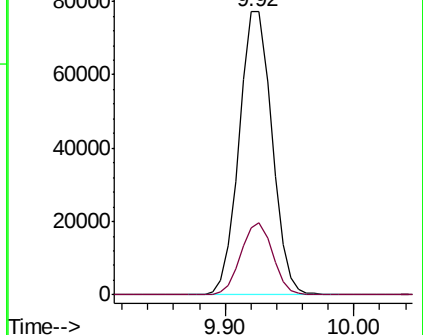
63 100

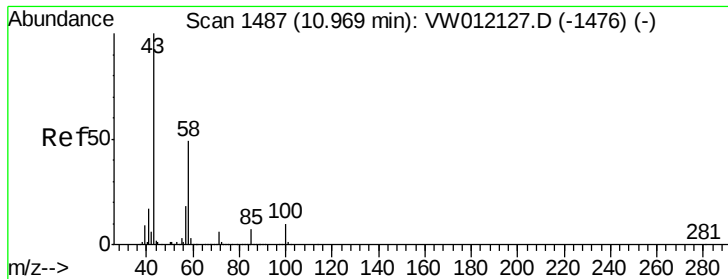
106 24.6 19.8 29.8



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

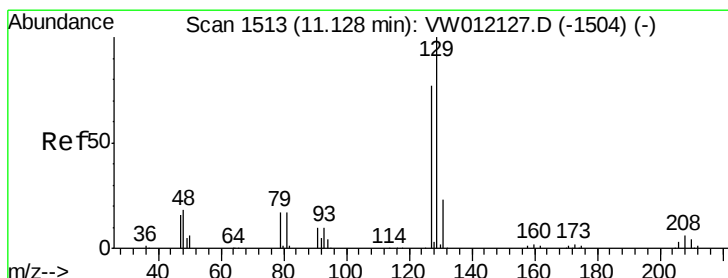
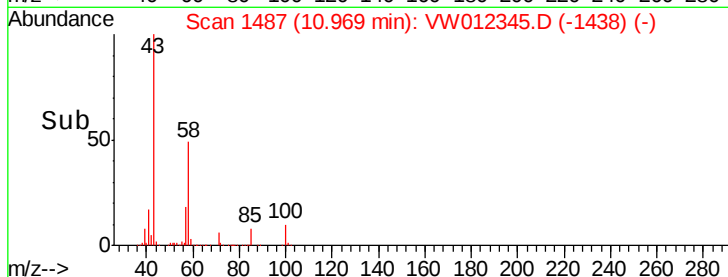
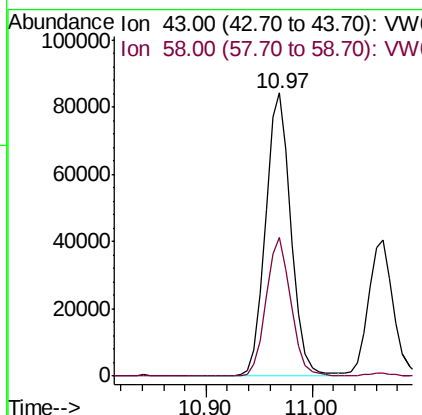
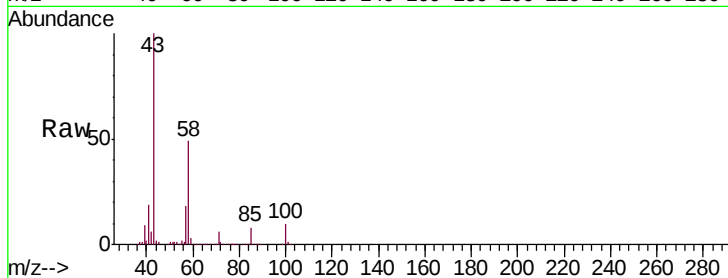




#59
2-Hexanone
Concen: 107.977 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012345.D
Acq: 30 Aug 2019 12:00

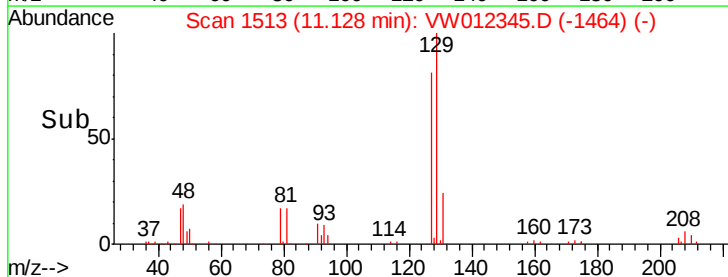
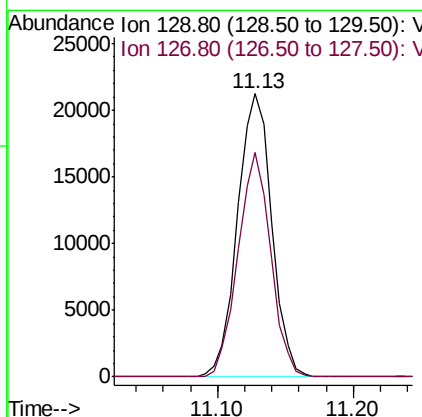
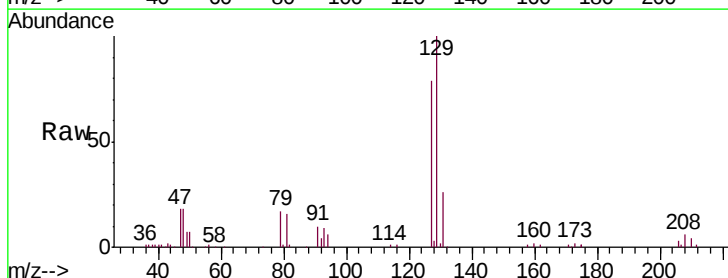
Instrument :
MSVOA_W
ClientSampleId :

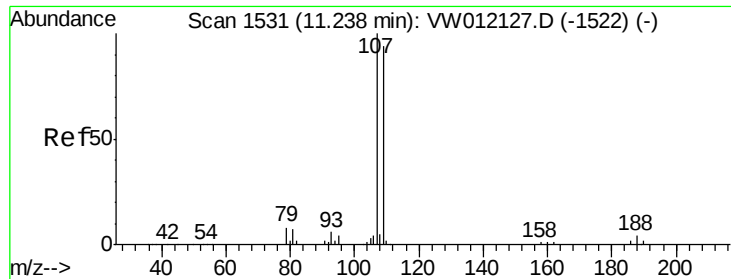
Tot Ion: 43 Resp: 140455
Ion Ratio Lower Upper
43 100
58 48.1 24.3 72.9



#60
Dibromochloromethane
Concen: 20.343 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012345.D
Acq: 30 Aug 2019 12:00

Tgt Ion:129 Resp: 37326
Ion Ratio Lower Upper
129 100
127 75.8 38.6 115.8

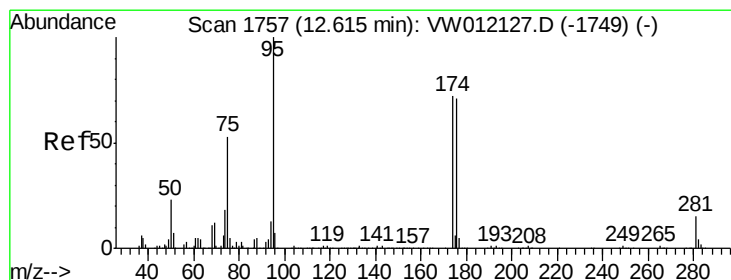
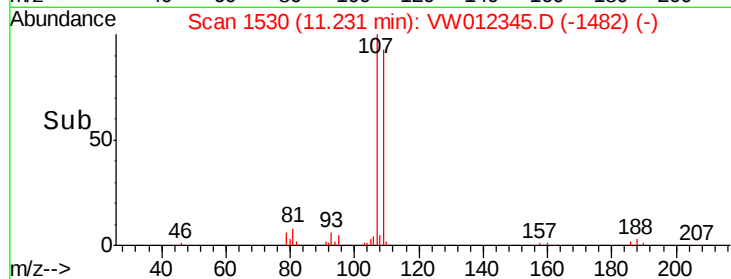
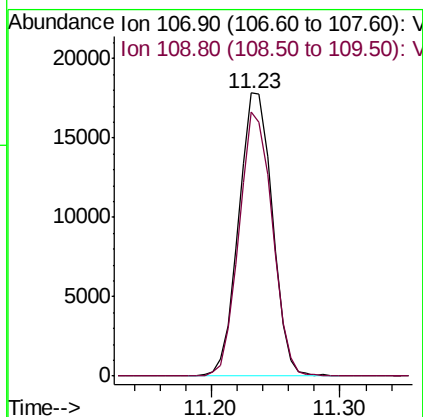
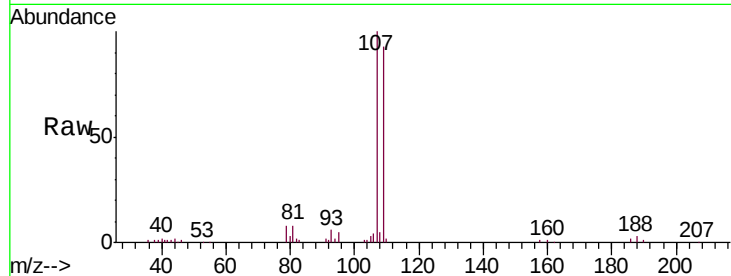




#61
 1,2-Dibromoethane
 Concen: 21.002 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW012345.D
 Acq: 30 Aug 2019 12:00

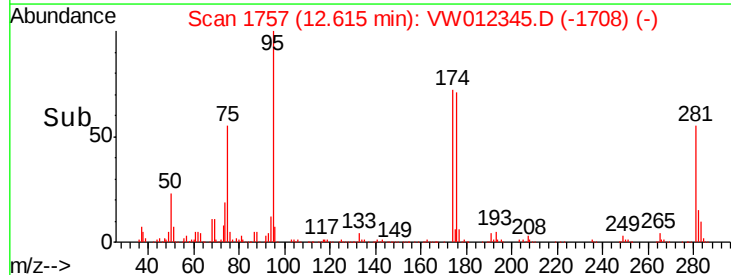
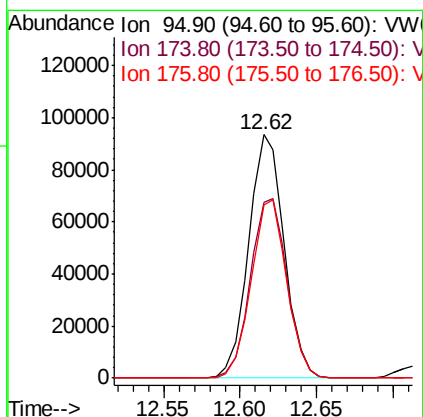
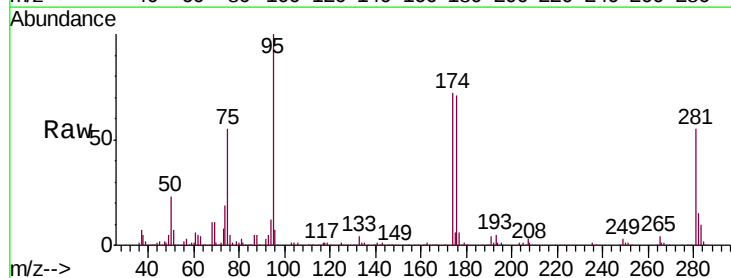
Instrument :
 MSVOA_W
 ClientSampleId :

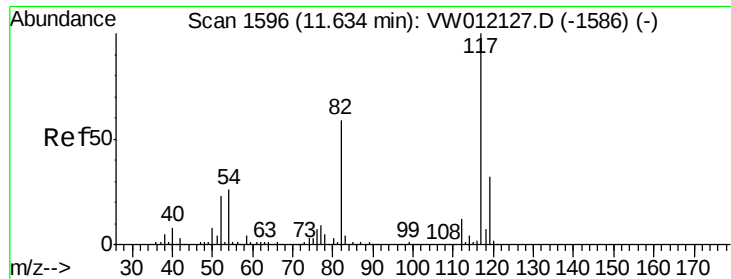
Tot Ion:107 Resp: 32232
 Ion Ratio Lower Upper
 107 100
 109 92.2 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 51.068 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012345.D
 Acq: 30 Aug 2019 12:00

Tgt Ion: 95 Resp: 150129
 Ion Ratio Lower Upper
 95 100
 174 76.4 0.0 150.8
 176 73.6 0.0 148.6

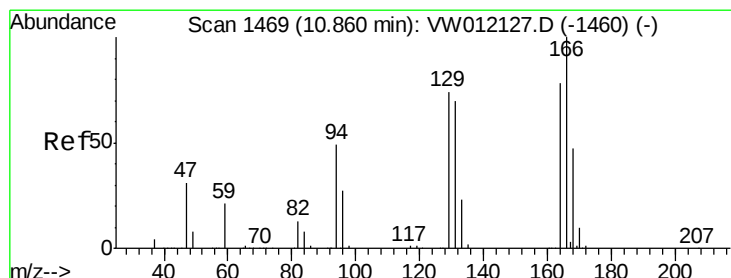
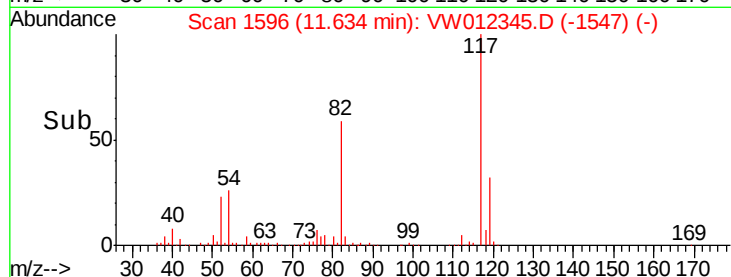
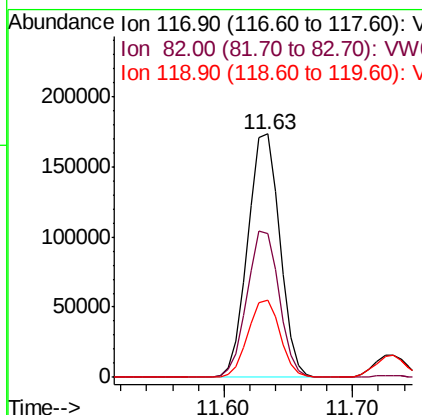
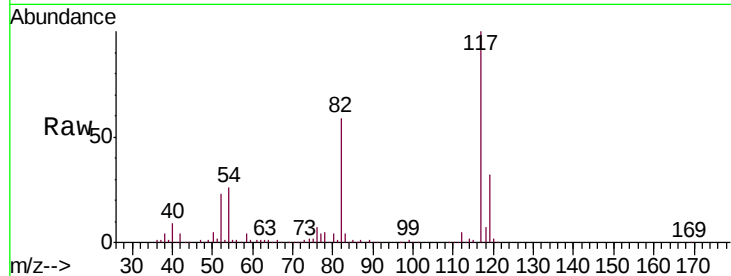




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012345.D
Acq: 30 Aug 2019 12:00

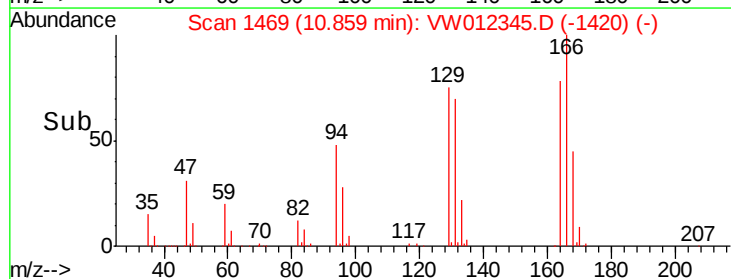
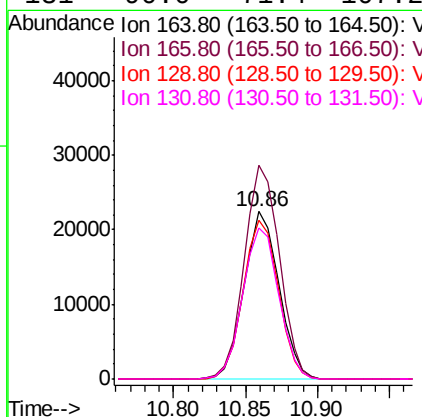
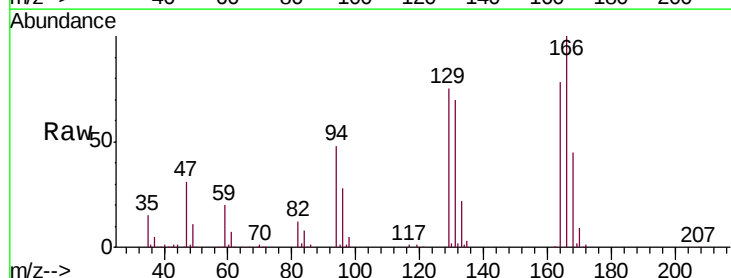
Instrument :
MSVOA_W
ClientSampled :

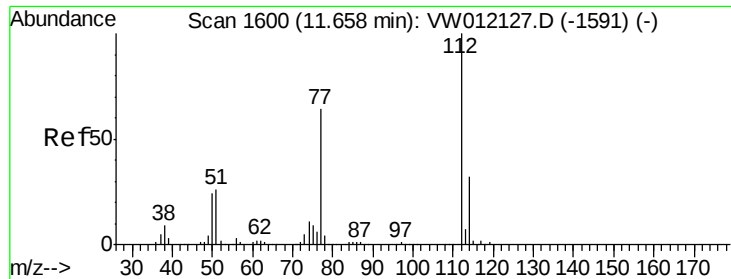
Tot Ion:117 Resp: 297992
Ion Ratio Lower Upper
117 100
82 59.2 47.4 71.2
119 31.5 25.4 38.2



#64
Tetrachloroethene
Concen: 19.488 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012345.D
Acq: 30 Aug 2019 12:00

Tgt Ion:164 Resp: 37650
Ion Ratio Lower Upper
164 100
166 127.8 102.4 153.6
129 95.3 75.8 113.6
131 90.0 71.4 107.2

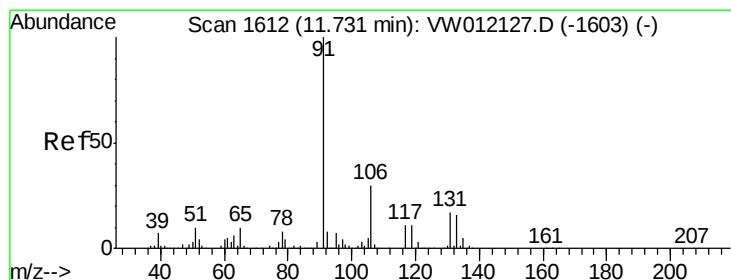
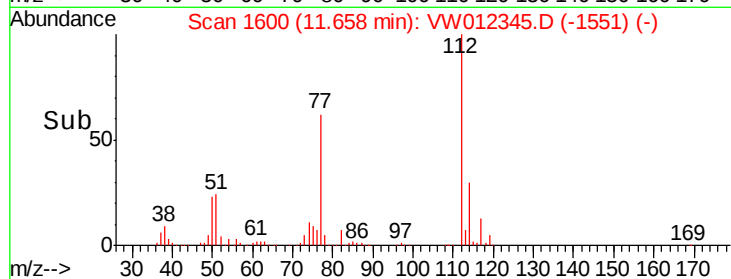
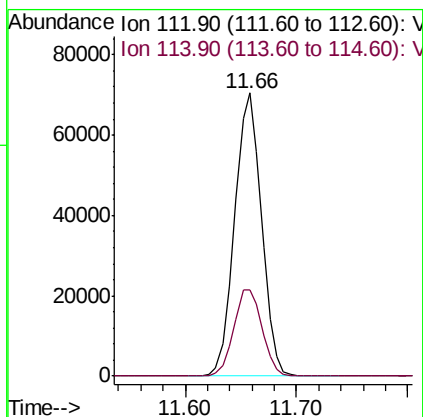
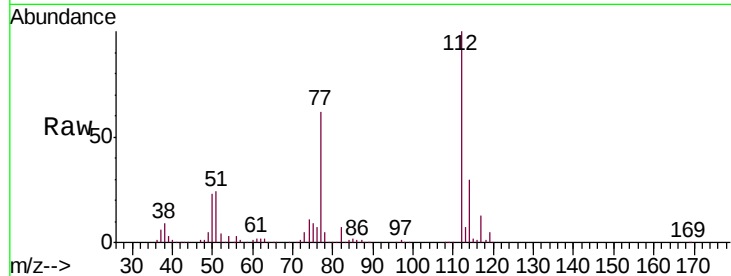




#65
Chlorobenzene
Concen: 20.017 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012345.D
Acq: 30 Aug 2019 12:00

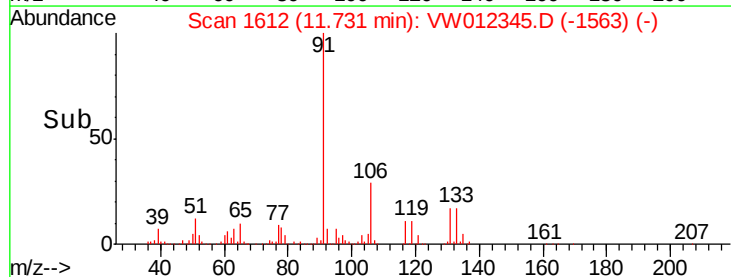
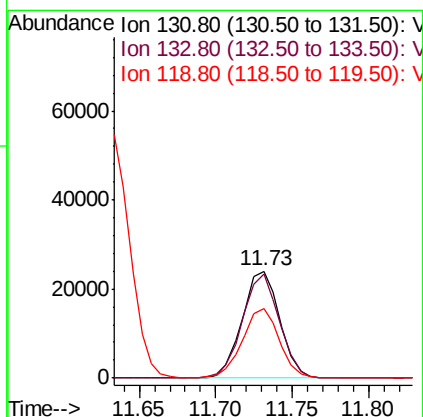
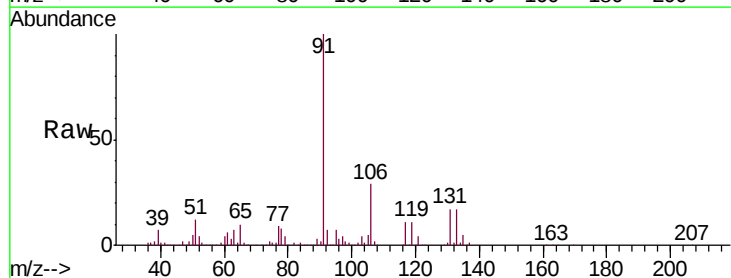
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:112 Resp: 117453
Ion Ratio Lower Upper
112 100
114 30.4 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.016 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012345.D
Acq: 30 Aug 2019 12:00

Tgt Ion:131 Resp: 40973
Ion Ratio Lower Upper
131 100
133 95.3 47.1 141.3
119 65.0 31.8 95.3

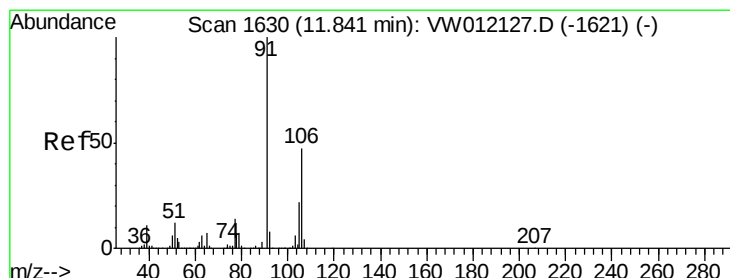
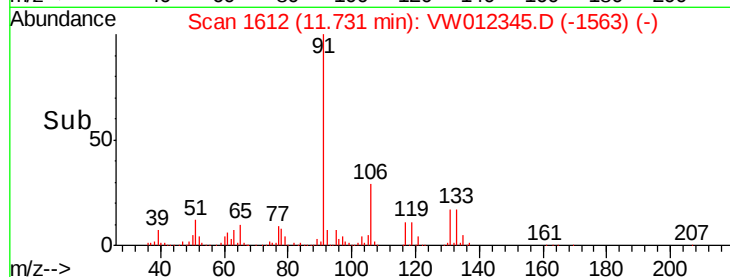
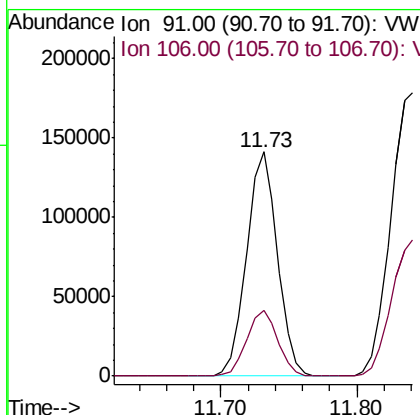
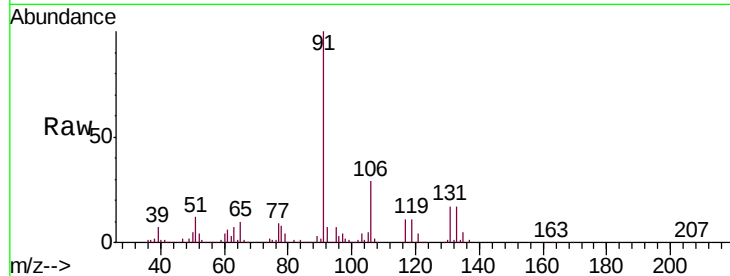




#67
Ethyl Benzene
Concen: 19.816 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012345.D
Acq: 30 Aug 2019 12:00

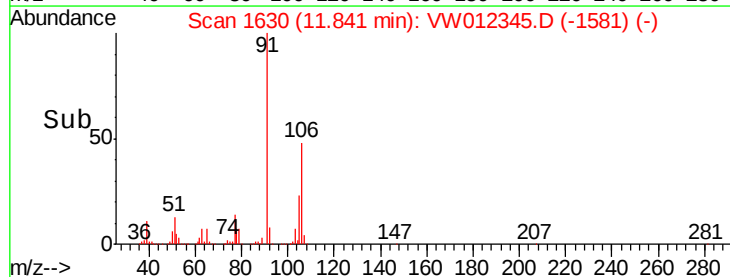
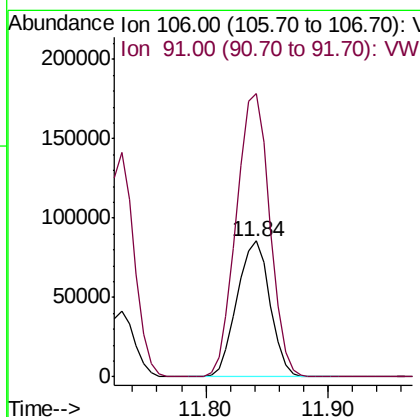
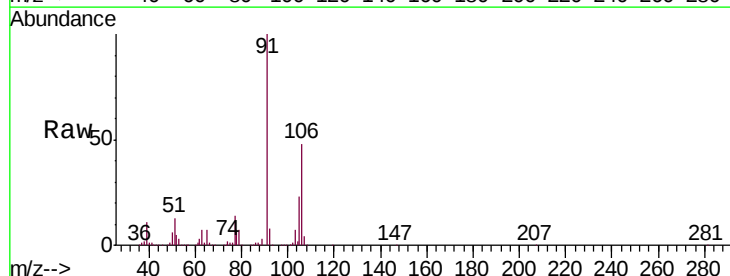
Instrument :
MSVOA_W
ClientSampleId :

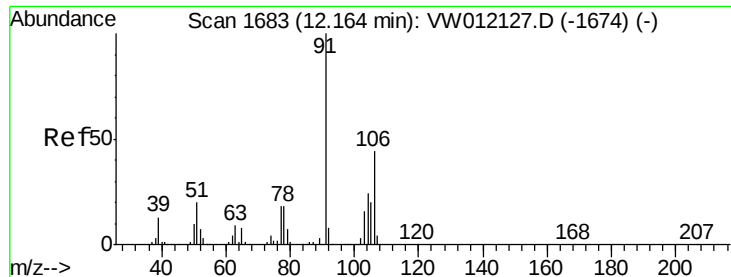
Tot Ion: 91 Resp: 223983
Ion Ratio Lower Upper
91 100
106 29.5 24.3 36.5



#68
m/p-Xylenes
Concen: 39.388 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012345.D
Acq: 30 Aug 2019 12:00

Tgt Ion: 106 Resp: 160368
Ion Ratio Lower Upper
106 100
91 211.5 169.5 254.3

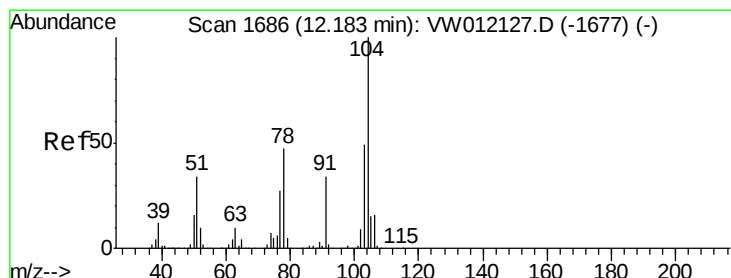
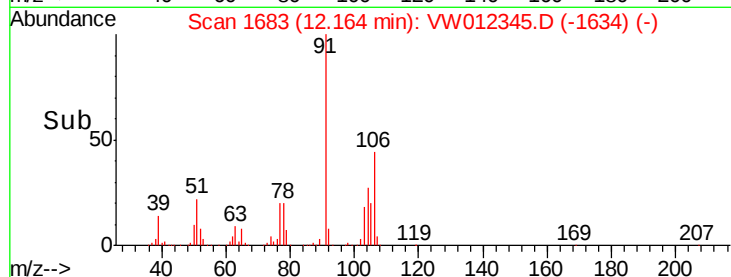
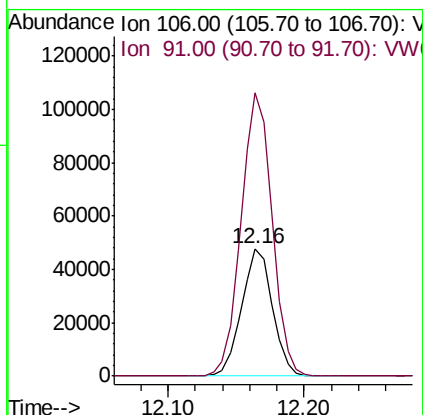
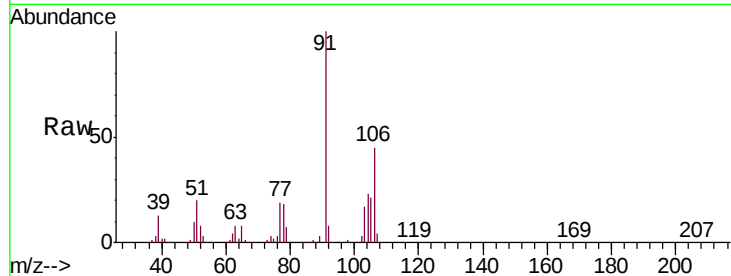




#69
o-Xylene
Concen: 20.110 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012345.D
Acq: 30 Aug 2019 12:00

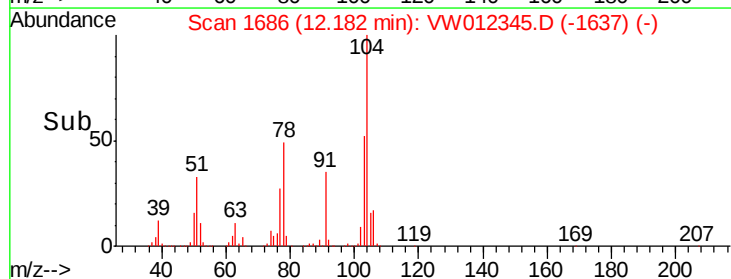
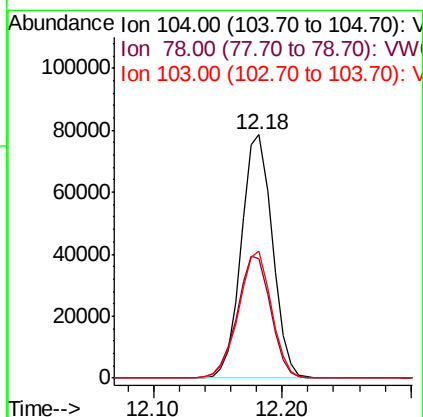
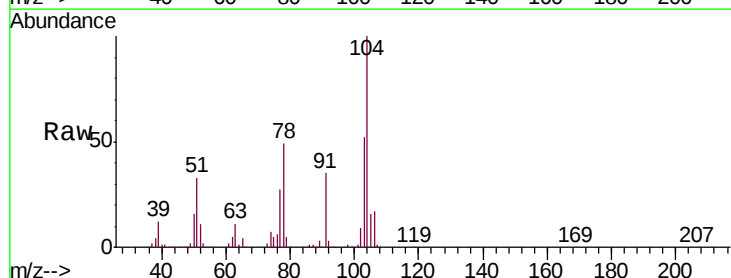
Instrument :
MSVOA_W
ClientSampled :

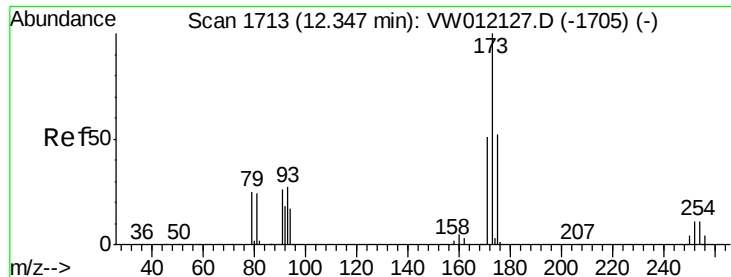
Tot Ion:106 Resp: 75783
Ion Ratio Lower Upper
106 100
91 223.1 111.6 334.6



#70
Styrene
Concen: 20.075 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012345.D
Acq: 30 Aug 2019 12:00

Tgt Ion:104 Resp: 130942
Ion Ratio Lower Upper
104 100
78 54.4 43.1 64.7
103 55.1 43.5 65.3





#71

Bromoform

Concen: 20.629 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012345.D

Acq: 30 Aug 2019 12:00

Instrument :

MSVOA_W

ClientSampleId :

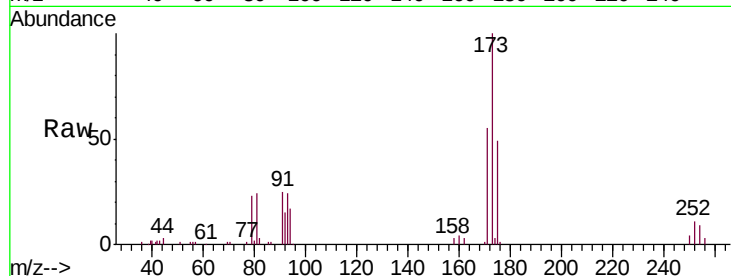
Tot Ion:173 Resp: 21039

Ion Ratio Lower Upper

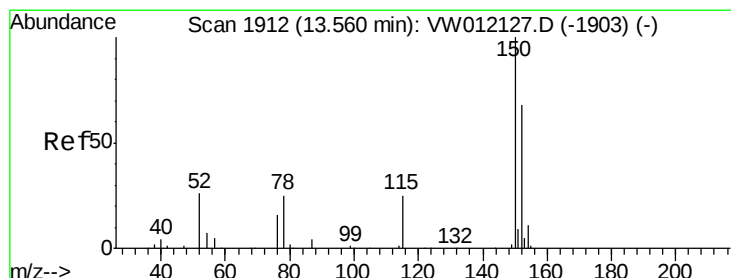
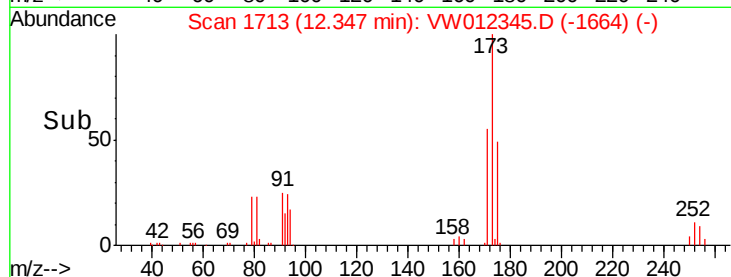
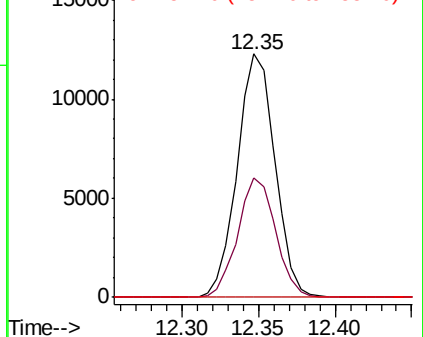
173 100

175 49.4 24.6 74.0

254 0.0 0.2 0.2#



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: VW012345.D

Acq: 30 Aug 2019 12:00

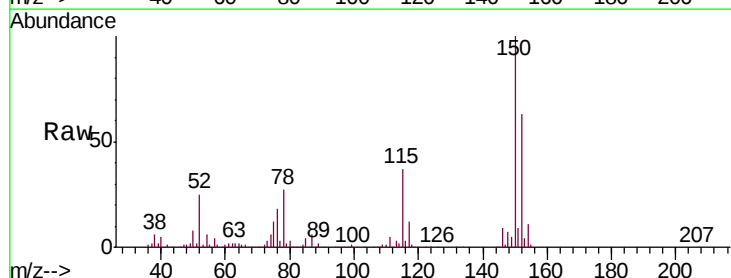
Tgt Ion:152 Resp: 142704

Ion Ratio Lower Upper

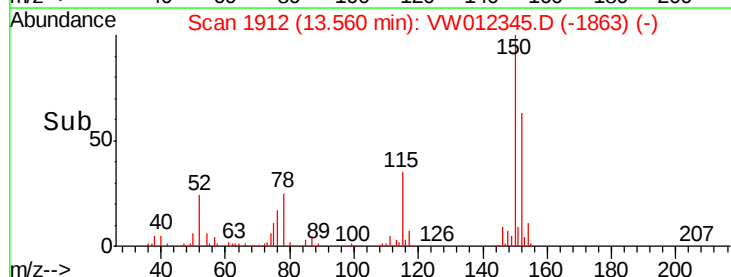
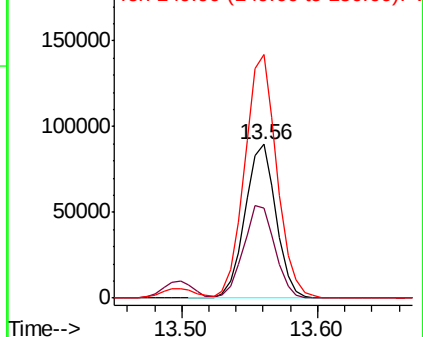
152 100

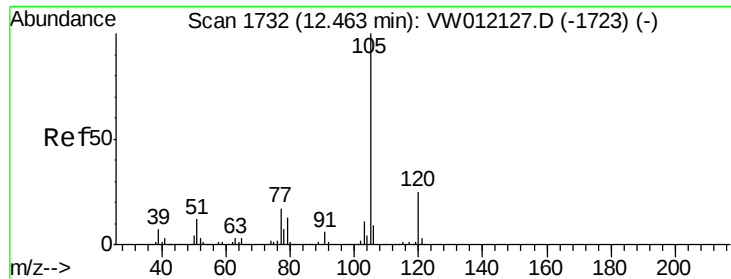
115 60.6 30.1 90.3

150 164.0 0.0 345.8



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: 20.093 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012345.D

Acq: 30 Aug 2019 12:00

Instrument :

MSVOA_W

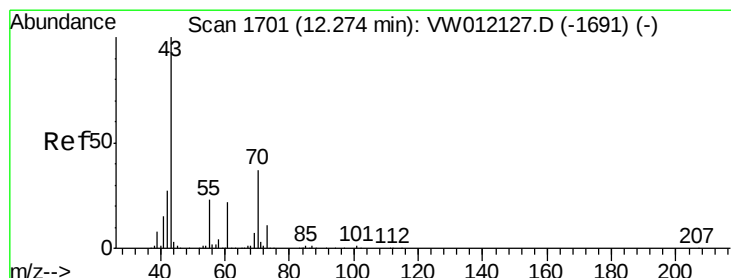
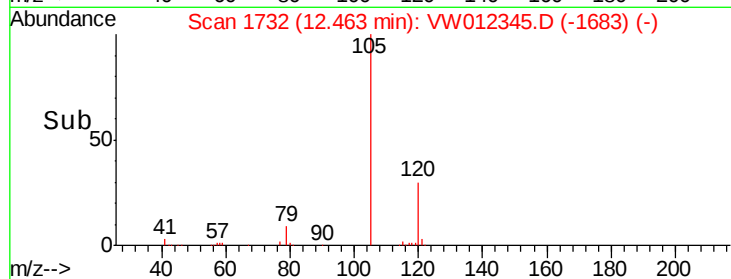
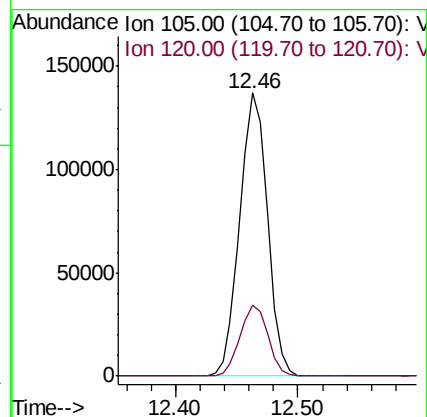
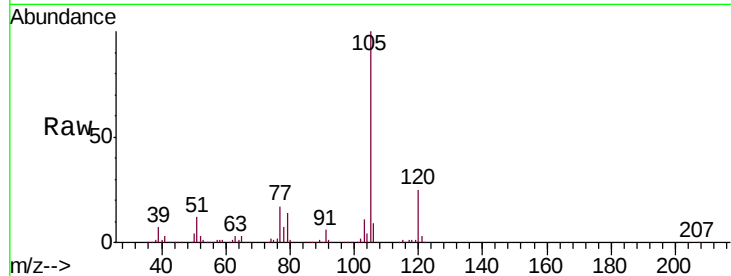
ClientSampleId :

Tot Ion:105 Resp: 214859

Ion Ratio Lower Upper

105 100

120 25.1 12.5 37.5



#74

N-ethyl acetate

Concen: 21.189 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012345.D

Acq: 30 Aug 2019 12:00

Tgt Ion: 43 Resp: 68456

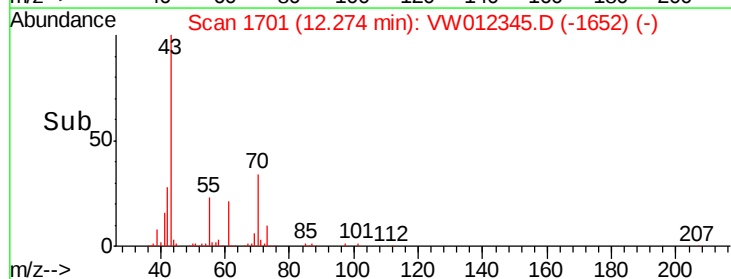
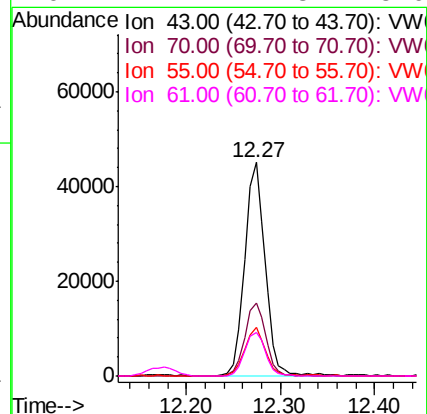
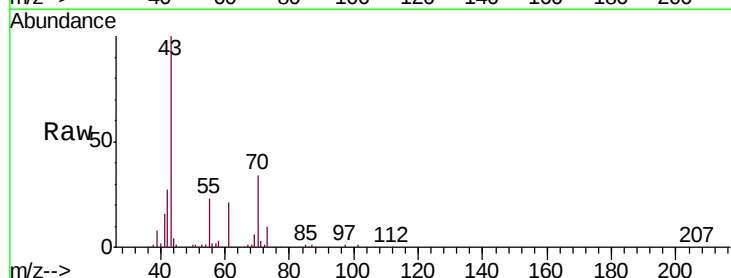
Ion Ratio Lower Upper

43 100

70 35.2 28.6 43.0

55 23.0 17.8 26.6

61 21.1 17.3 25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 21.569 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012345.D

Acq: 30 Aug 2019 12:00

Instrument :

MSVOA_W

ClientSampleId :

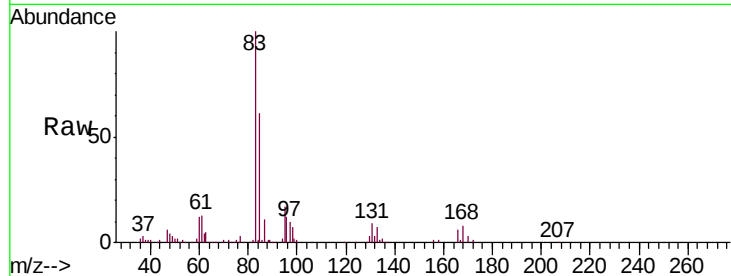
Tot Ion: 83 Resp: 42283

Ion Ratio Lower Upper

83 100

131 10.0 4.9 14.7

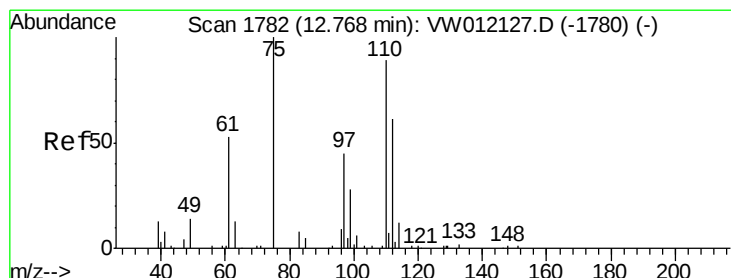
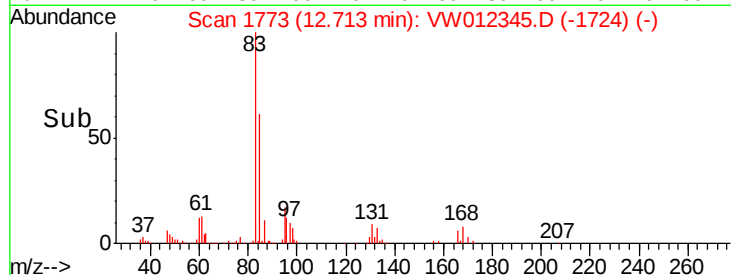
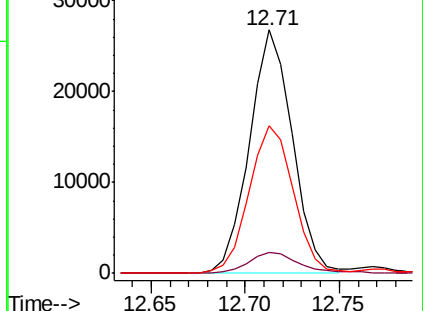
85 62.7 31.9 95.7



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: 38.949 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW012345.D

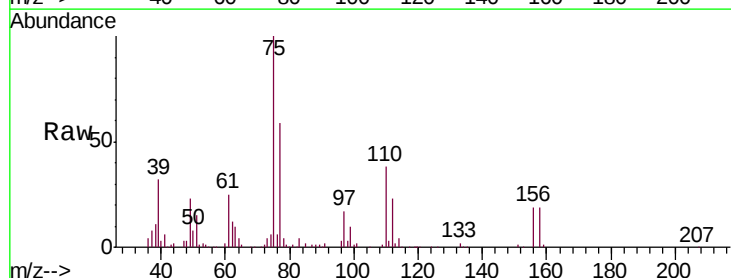
Acq: 30 Aug 2019 12:00

Tgt Ion: 75 Resp: 54132

Ion Ratio Lower Upper

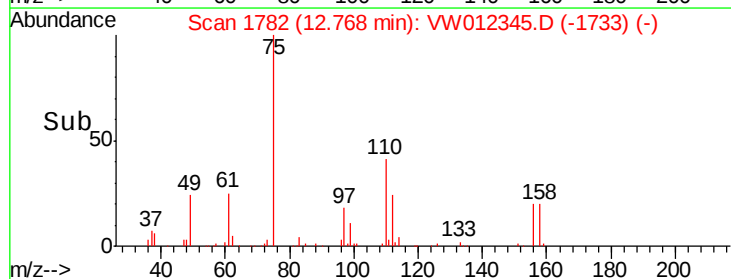
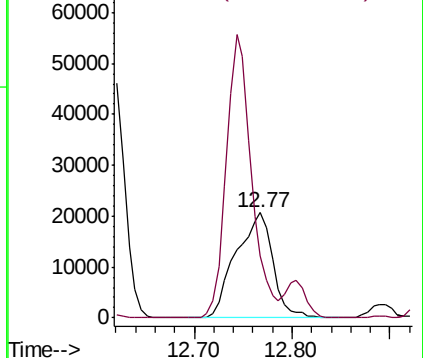
75 100

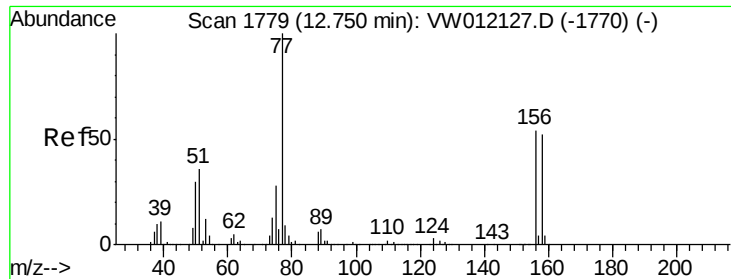
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.274 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW012345.D

Acq: 30 Aug 2019 12:00

Instrument :

MSVOA_W

ClientSampled :

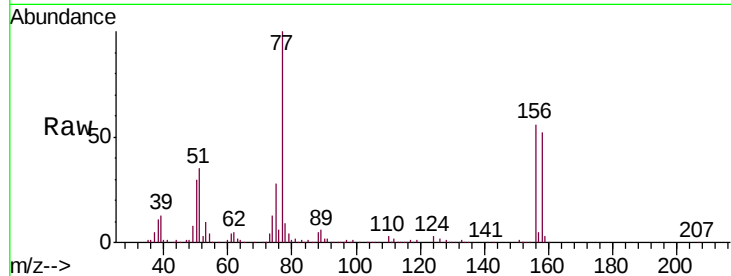
Tot Ion:156 Resp: 46900

Ion Ratio Lower Upper

156 100

77 213.5 107.3 321.8

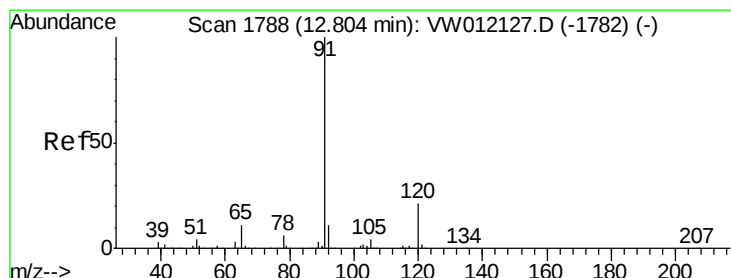
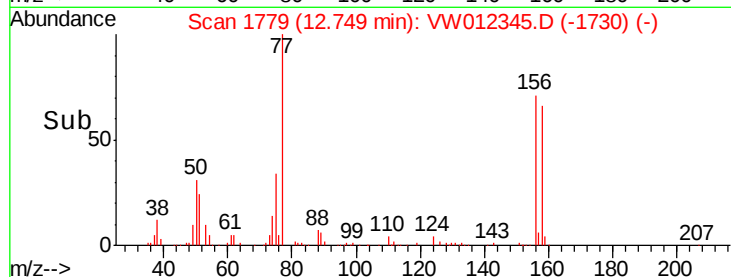
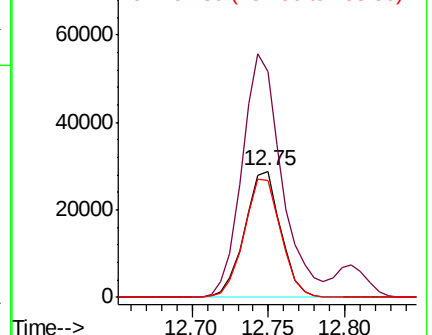
158 96.0 49.0 147.0



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: 20.080 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012345.D

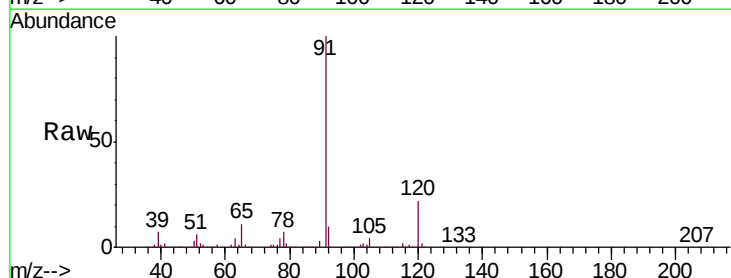
Acq: 30 Aug 2019 12:00

Tgt Ion: 91 Resp: 262121

Ion Ratio Lower Upper

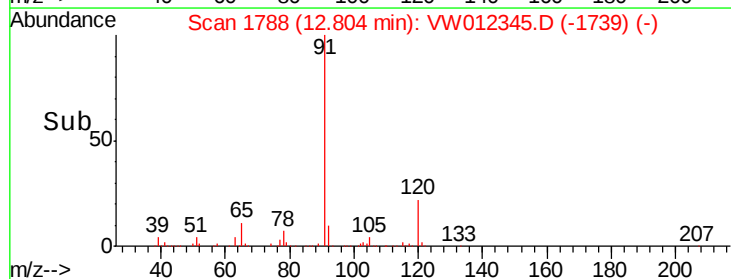
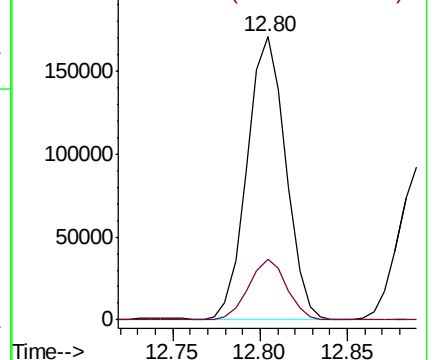
91 100

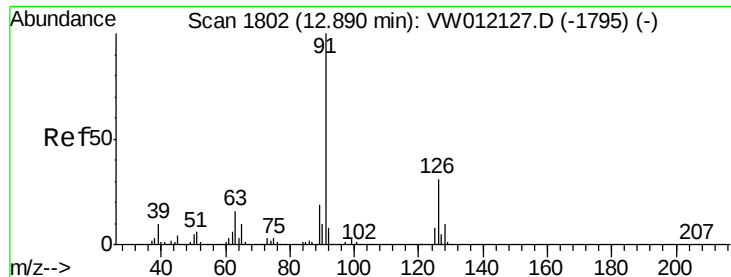
120 21.3 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.958 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012345.D

Acq: 30 Aug 2019 12:00

Instrument :

MSVOA_W

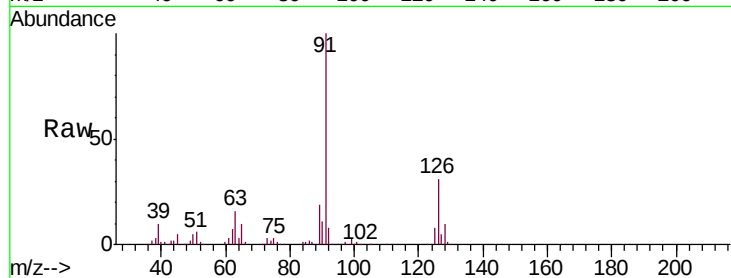
ClientSampled :

Tot Ion: 91 Resp: 147918

Ion Ratio Lower Upper

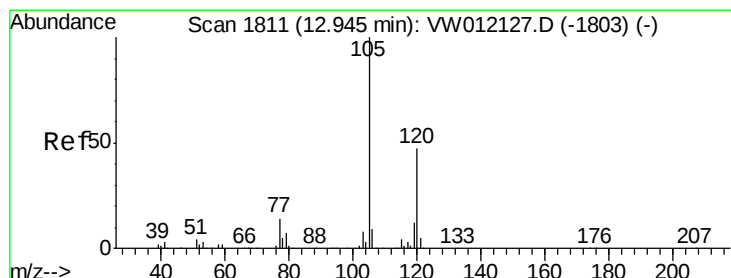
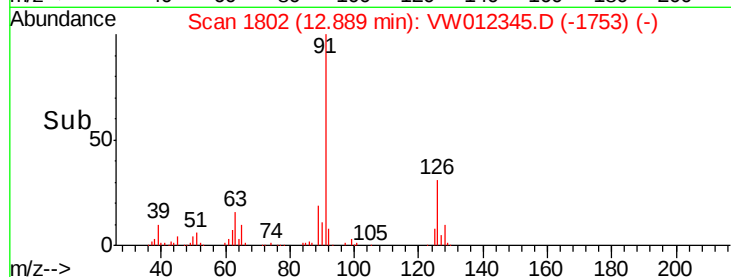
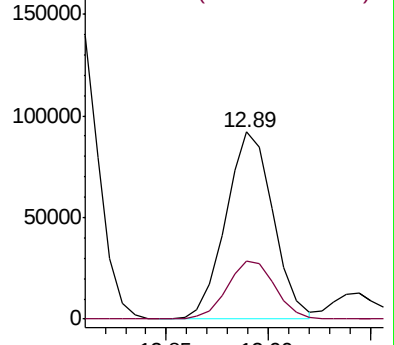
91 100

126 31.5 15.7 47.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.233 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012345.D

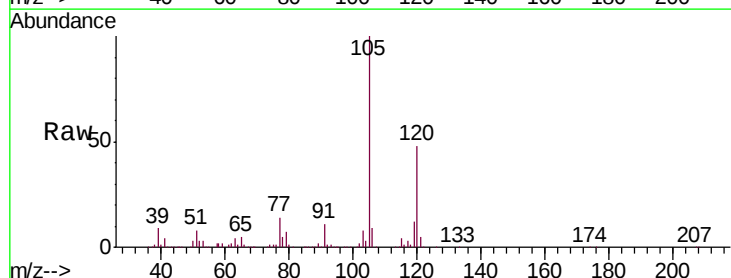
Acq: 30 Aug 2019 12:00

Tgt Ion:105 Resp: 180780

Ion Ratio Lower Upper

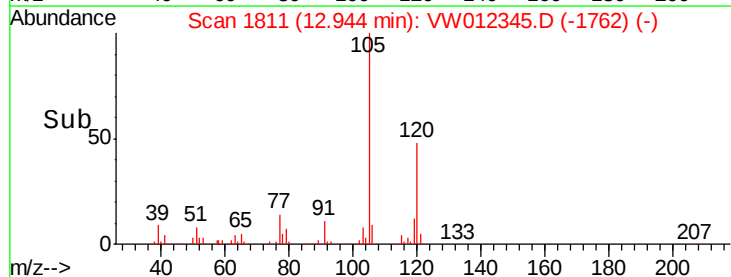
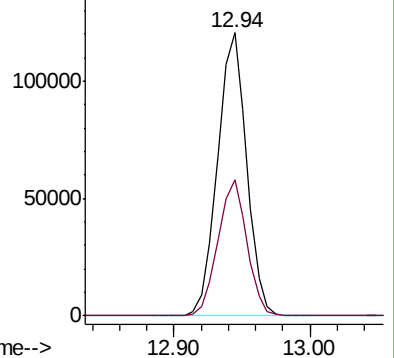
105 100

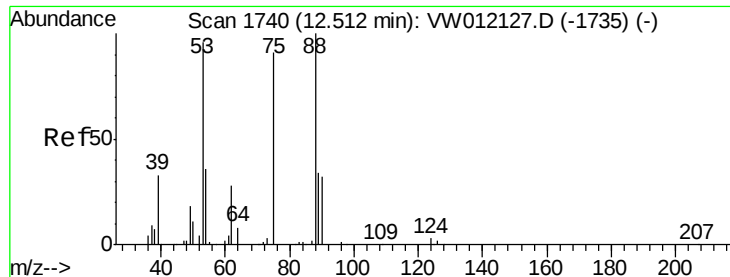
120 48.0 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.573 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012345.D

Acq: 30 Aug 2019 12:00

Instrument :

MSVOA_W

ClientSampled :

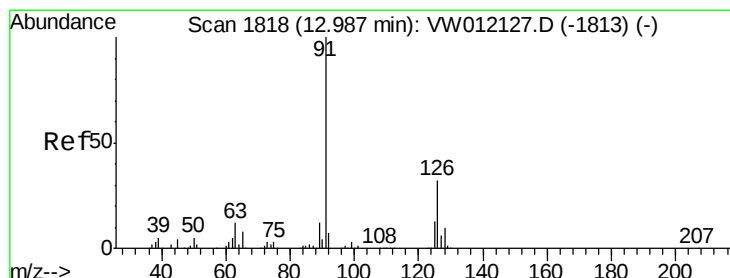
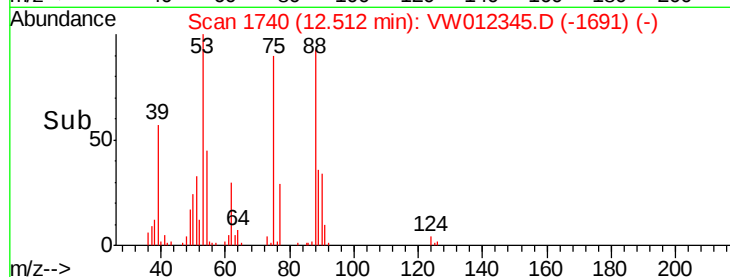
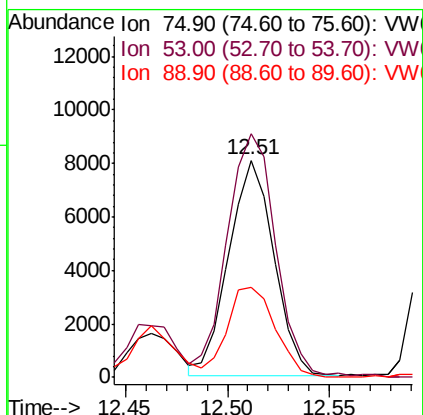
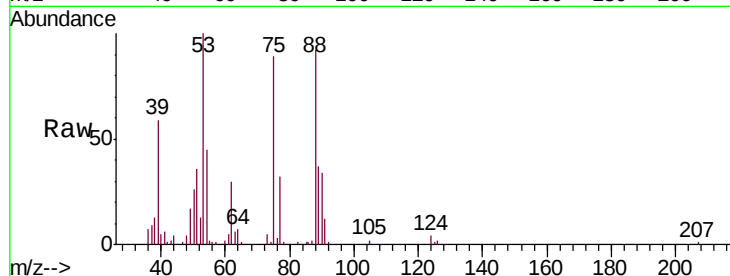
Tot Ion: 75 Resp: 12407

Ion Ratio Lower Upper

75 100

53 122.8 89.4 134.0

89 44.1 34.5 51.7



#82

4-Chlorotoluene

Concen: 20.192 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW012345.D

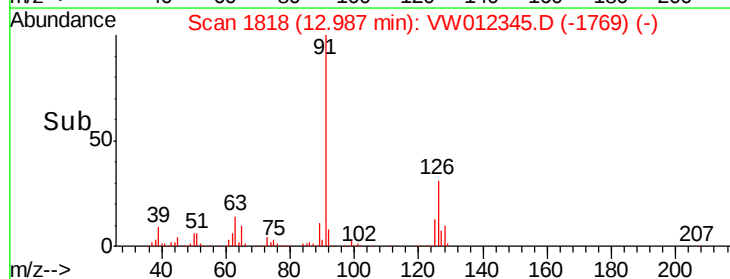
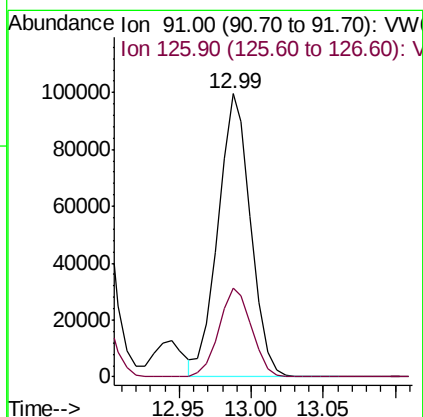
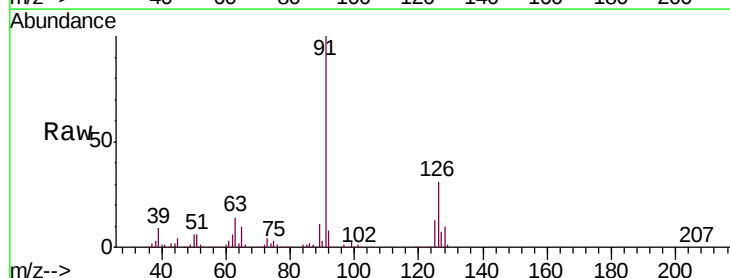
Acq: 30 Aug 2019 12:00

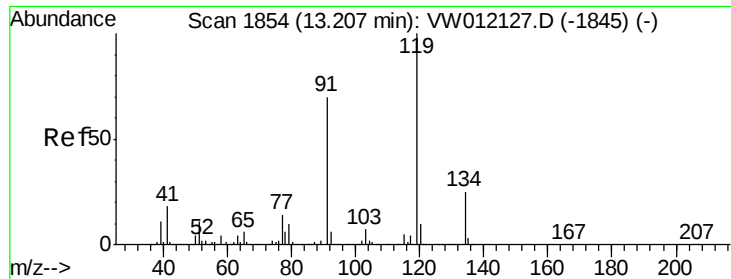
Tgt Ion: 91 Resp: 156690

Ion Ratio Lower Upper

91 100

126 31.4 15.6 46.8

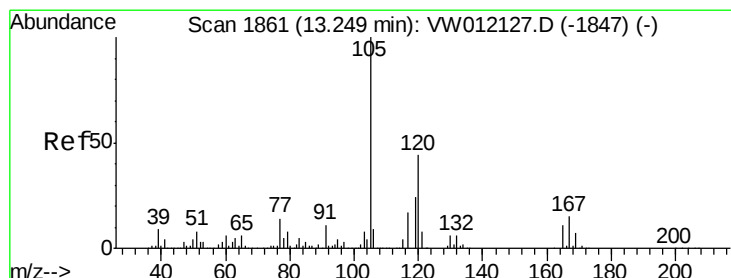
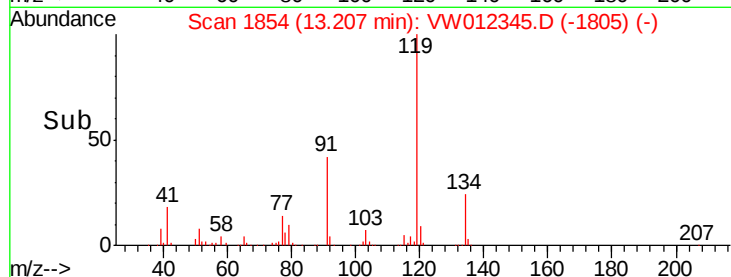
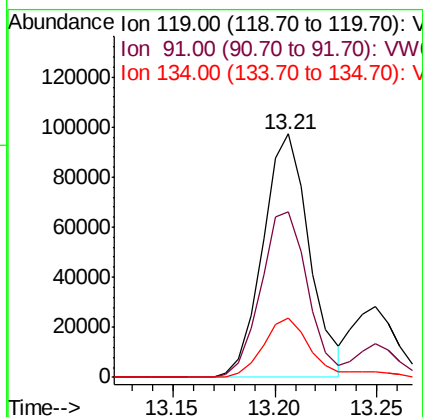
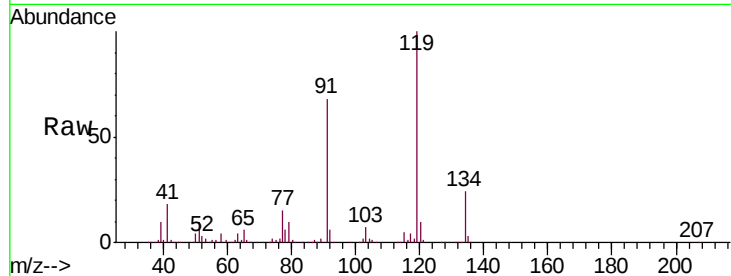




#83
tert-Butylbenzene
Concen: 20.464 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012345.D
Acq: 30 Aug 2019 12:00

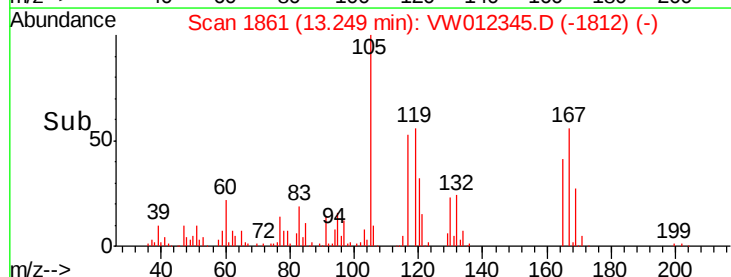
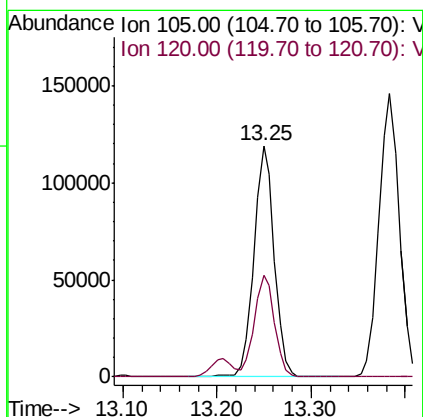
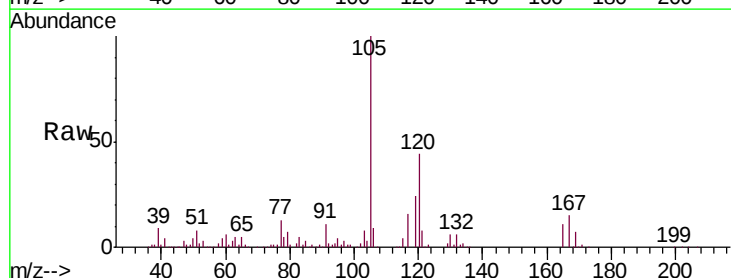
Instrument :
MSVOA_W
ClientSampled :

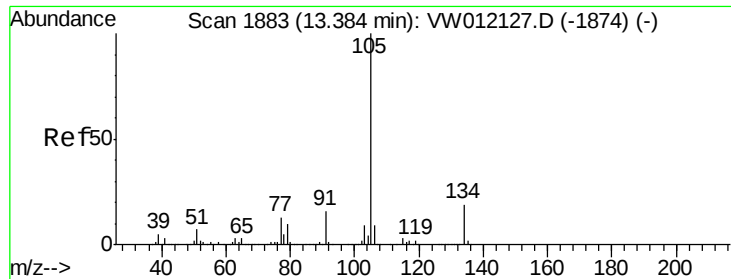
Tot Ion:119 Resp: 154886
Ion Ratio Lower Upper
119 100
91 68.3 34.8 104.3
134 24.4 13.3 39.8



#84
1,2,4-Trimethylbenzene
Concen: 20.163 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012345.D
Acq: 30 Aug 2019 12:00

Tgt Ion:105 Resp: 180971
Ion Ratio Lower Upper
105 100
120 43.7 21.9 65.7





#85

sec-Butylbenzene

Concen: 20.217 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012345.D

Acq: 30 Aug 2019 12:00

Instrument :

MSVOA_W

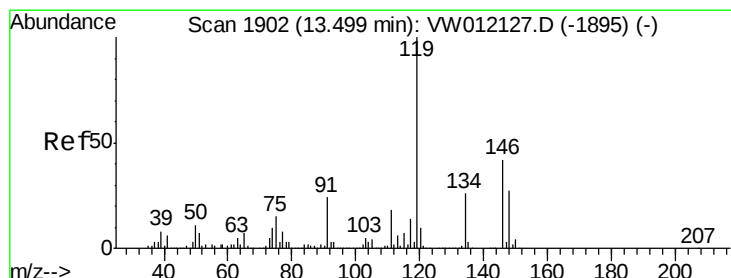
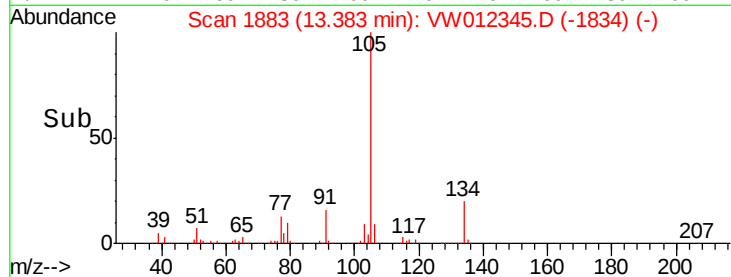
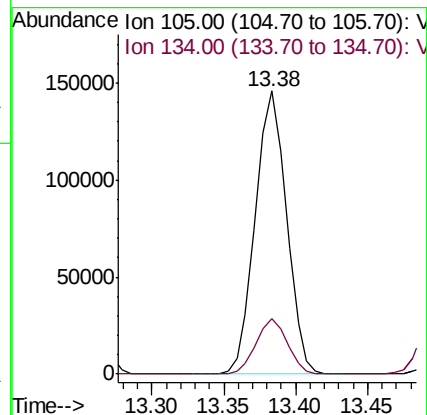
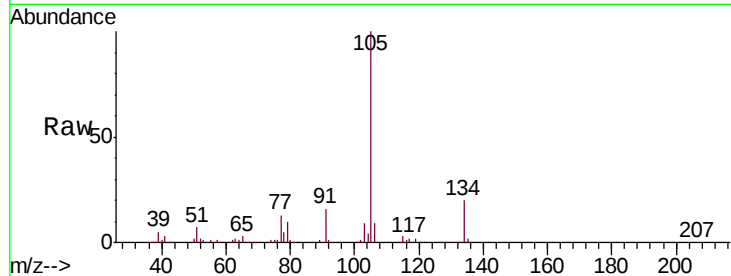
ClientSampleId :

Tot Ion:105 Resp: 219227

Ion Ratio Lower Upper

105 100

134 19.5 9.8 29.4



#86

p-Isopropyltoluene

Concen: 20.408 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012345.D

Acq: 30 Aug 2019 12:00

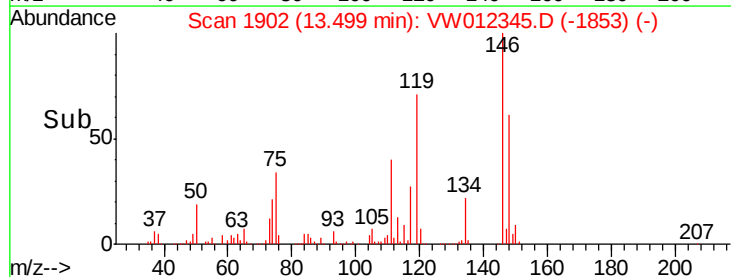
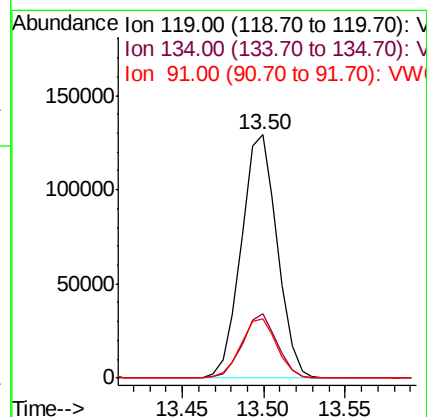
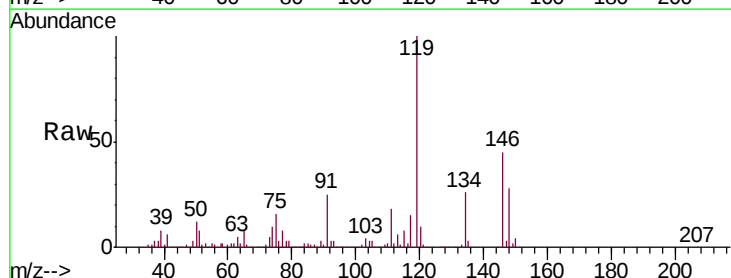
Tgt Ion:119 Resp: 197629

Ion Ratio Lower Upper

119 100

134 25.5 12.8 38.3

91 24.4 12.3 36.9

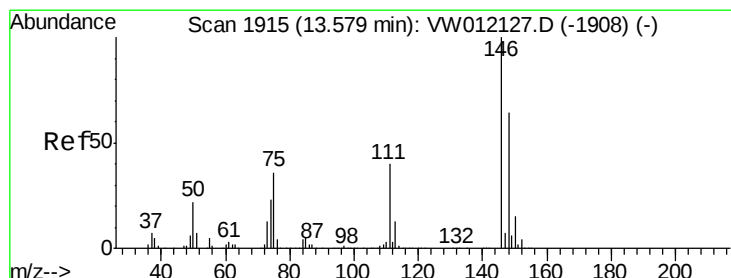
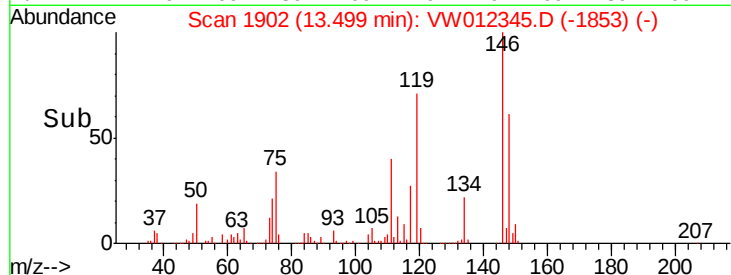
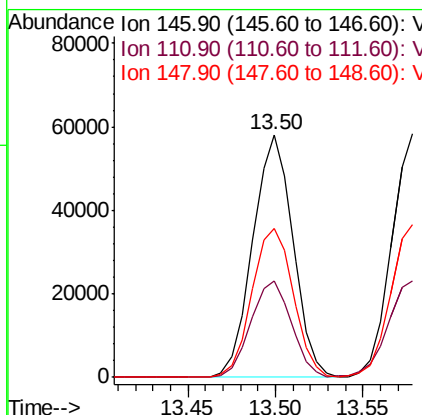
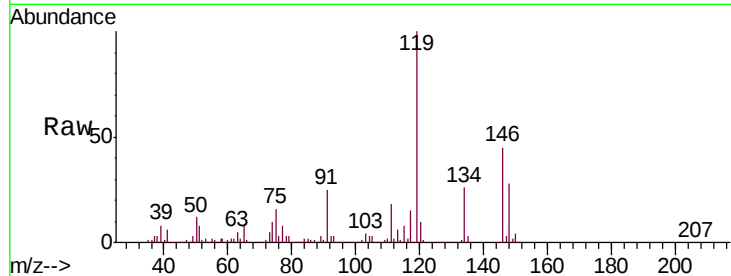




#87
 1,3-Dichlorobenzene
 Concen: 20.462 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012345.D
 Acq: 30 Aug 2019 12:00

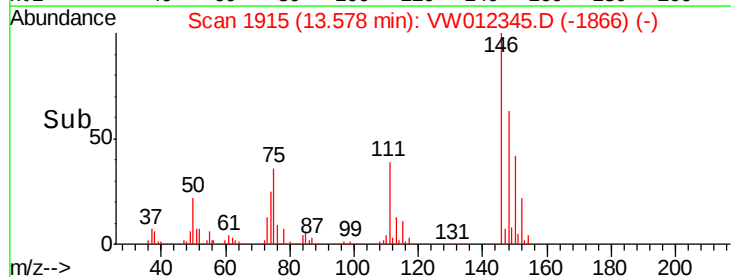
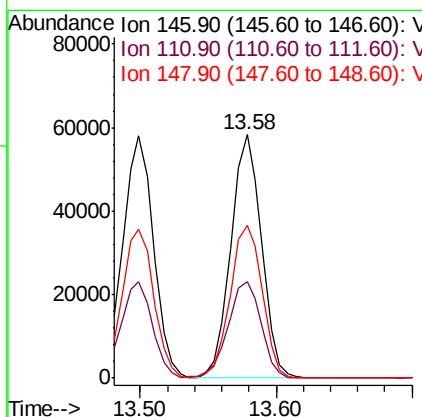
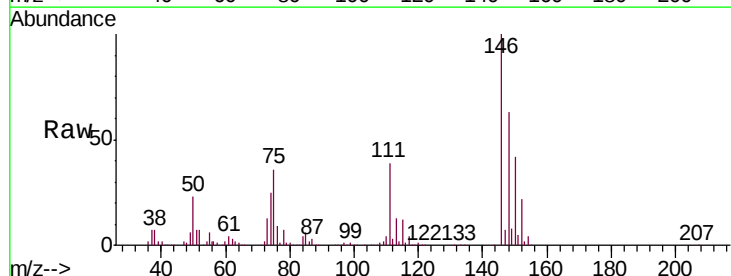
Instrument :
 MSVOA_W
 ClientSampleId :

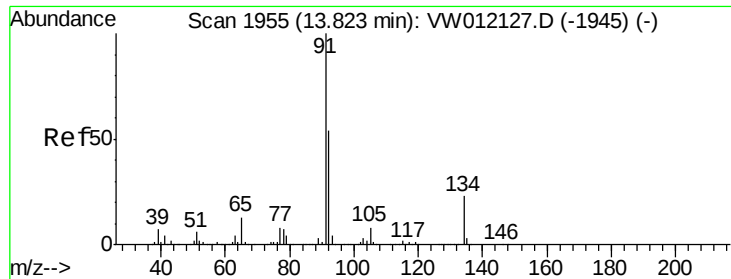
Tot Ion:146 Resp: 92584
 Ion Ratio Lower Upper
 146 100
 111 40.4 20.9 62.7
 148 63.0 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 20.336 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012345.D
 Acq: 30 Aug 2019 12:00

Tgt Ion:146 Resp: 91365
 Ion Ratio Lower Upper
 146 100
 111 42.8 20.0 60.0
 148 65.6 32.1 96.3





#89

n-Butylbenzene

Concen: 19.978 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012345.D

Acq: 30 Aug 2019 12:00

Instrument :

MSVOA_W

ClientSampleId :

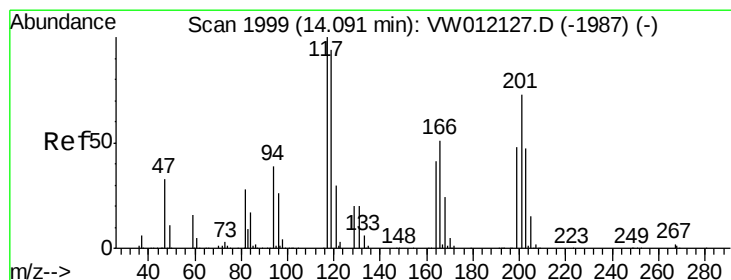
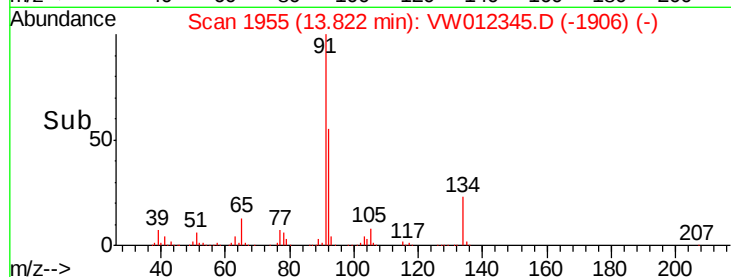
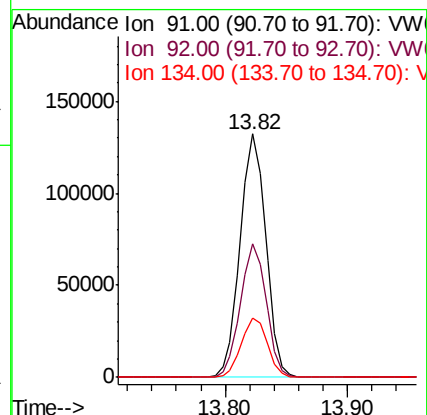
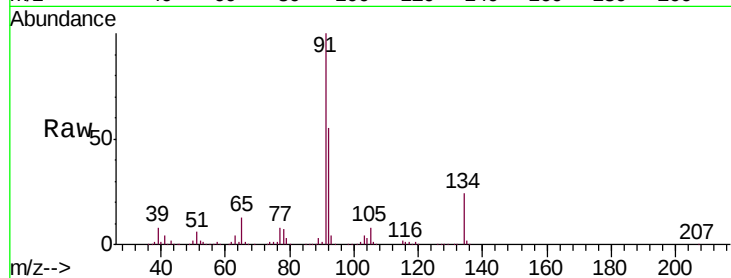
Tot Ion: 91 Resp: 192392

Ion Ratio Lower Upper

91 100

92 55.2 27.1 81.2

134 24.6 12.2 36.4



#90

Hexachloroethane

Concen: 19.801 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW012345.D

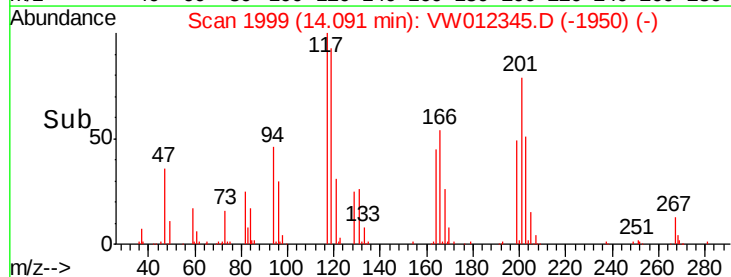
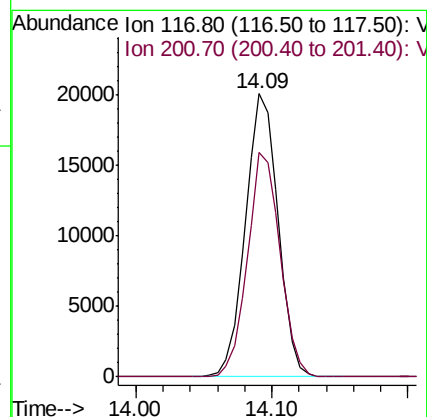
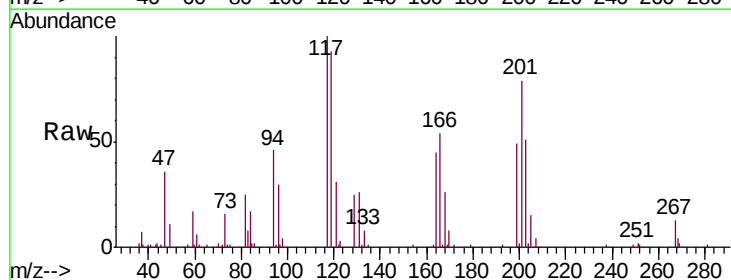
Acq: 30 Aug 2019 12:00

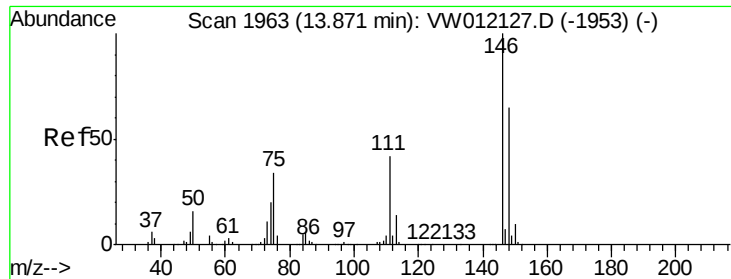
Tgt Ion: 117 Resp: 33642

Ion Ratio Lower Upper

117 100

201 79.5 38.6 115.7





#91

1,2-Dichlorobenzene

Concen: 20.515 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW012345.D

Acq: 30 Aug 2019 12:00

Instrument :

MSVOA_W

ClientSampleId :

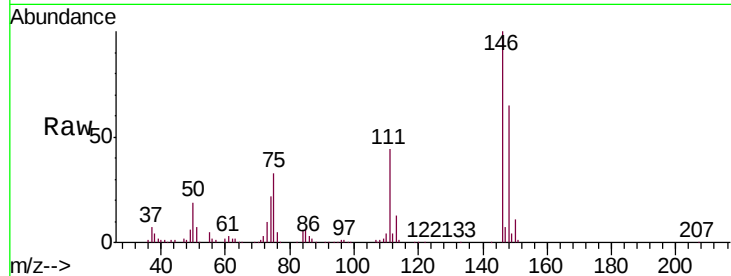
Tot Ion:146 Resp: 81432

Ion Ratio Lower Upper

146 100

111 42.7 21.2 63.6

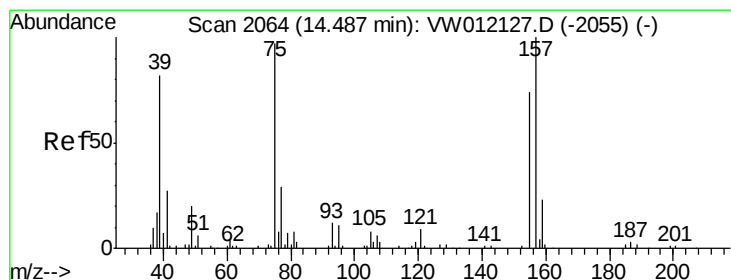
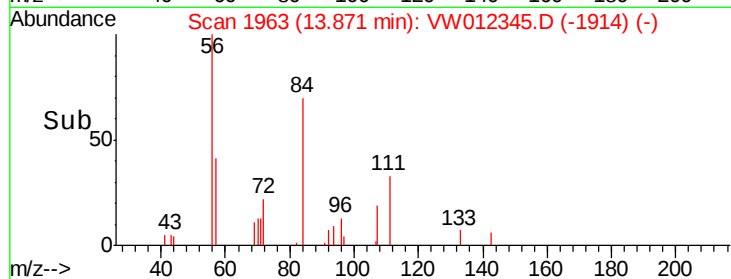
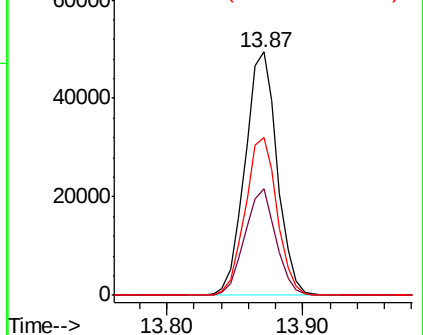
148 64.6 32.5 97.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.866 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW012345.D

Acq: 30 Aug 2019 12:00

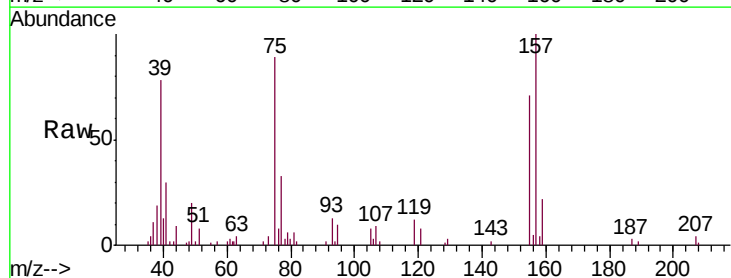
Tgt Ion: 75 Resp: 6896

Ion Ratio Lower Upper

75 100

155 77.6 37.5 112.3

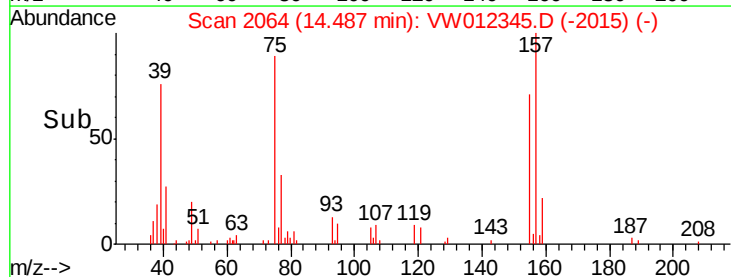
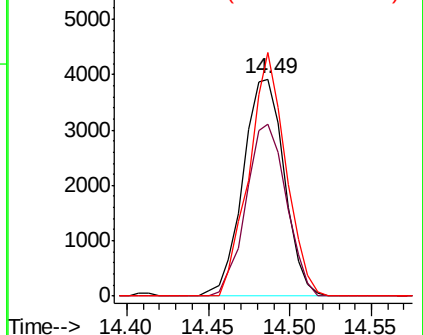
157 100.0 50.5 151.5

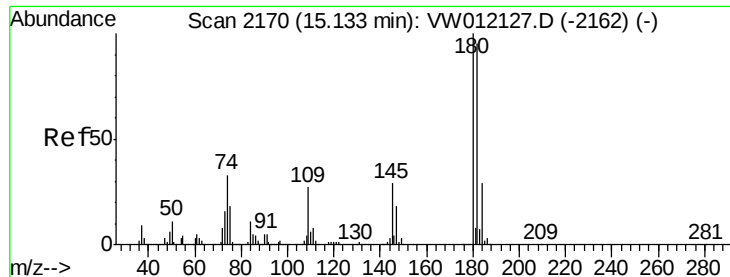


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

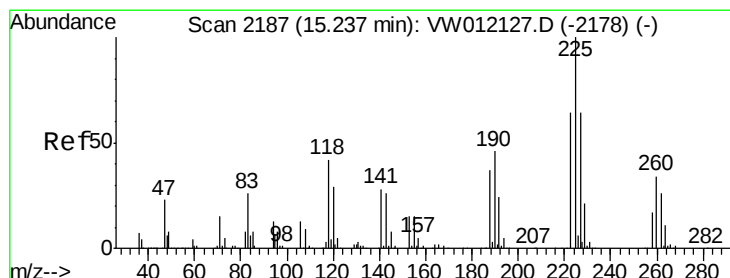
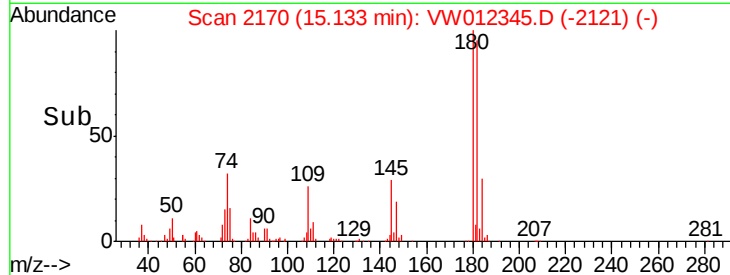
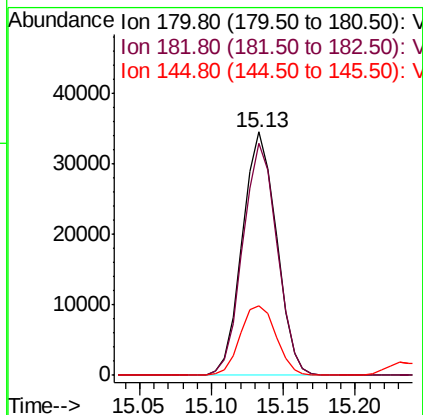
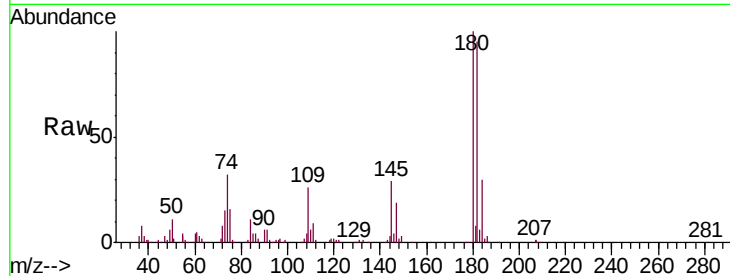




#93
 1,2,4-Trichlorobenzene
 Concen: 20.740 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012345.D
 Acq: 30 Aug 2019 12:00

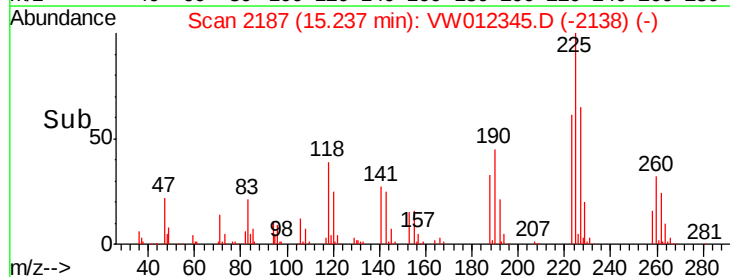
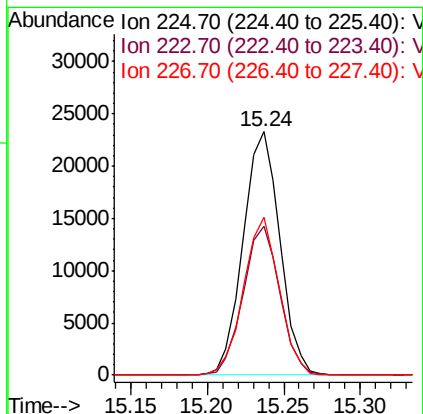
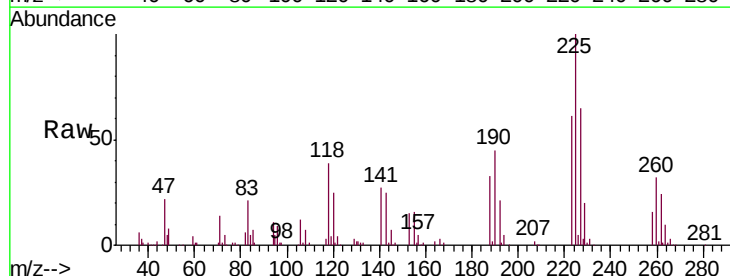
Instrument :
 MSVOA_W
 ClientSampleId :

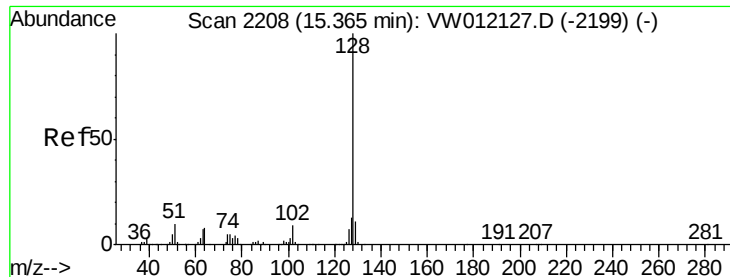
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.8	143.4
145	30.2	15.0	45.1



#94
 Hexachlorobutadiene
 Concen: 21.520 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012345.D
 Acq: 30 Aug 2019 12:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.0	32.3	96.8
227	62.8	32.9	98.6

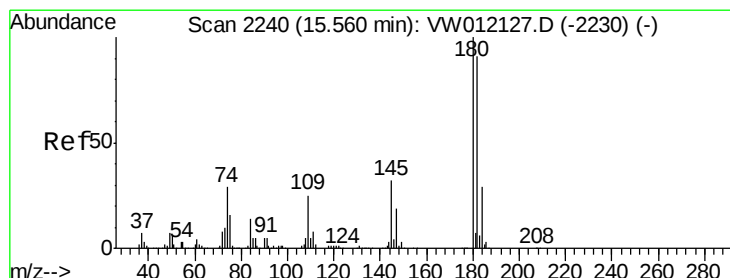
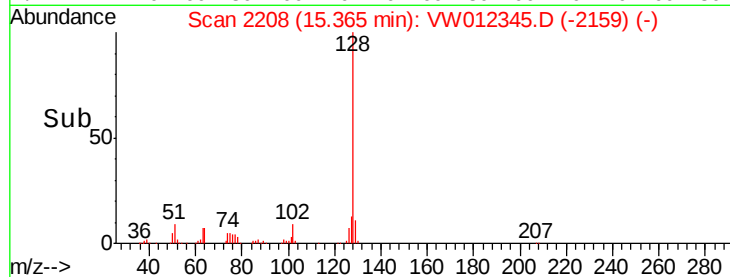
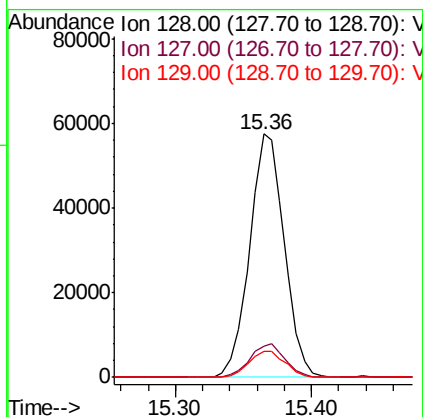
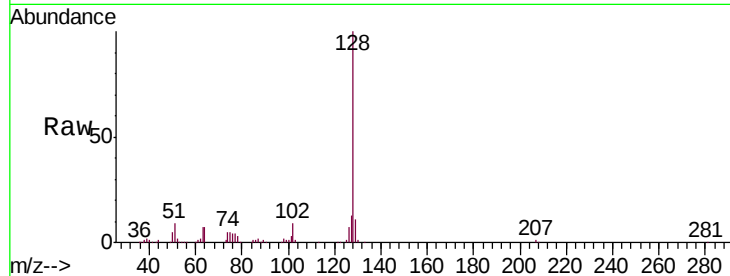




#95
Naphthalene
Concen: 21.713 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012345.D
Acq: 30 Aug 2019 12:00

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.7	16.1
129	11.4	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 21.023 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012345.D
Acq: 30 Aug 2019 12:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.1	141.3
145	32.9	16.2	48.5

