

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090319\
 Data File : VW012538.D
 Acq On : 03 Sep 2019 10:45
 Operator : SY/VA
 Sample : VW0903SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 03 14:03:47 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	196464	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	301879	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	258950	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	126004	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	121615	52.07	ug/l	0.00
Spiked Amount						
			Recovery	=	104.14%	
35) Dibromofluoromethane	7.88	113	96568	53.59	ug/l	0.00
Spiked Amount						
			Recovery	=	107.18%	
50) Toluene-d8	10.32	98	383276	52.46	ug/l	0.00
Spiked Amount						
			Recovery	=	104.92%	
62) 4-Bromofluorobenzene	12.62	95	136016	52.81	ug/l	0.00
Spiked Amount						
			Recovery	=	105.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	20751	17.154	ug/l	87
3) Chloromethane	2.21	50	32248	17.206	ug/l	97
4) Vinyl Chloride	2.35	62	38197	16.651	ug/l	98
5) Bromomethane	2.77	94	19358	16.663	ug/l	93
6) Chloroethane	2.91	64	21399	16.537	ug/l	99
7) Trichlorofluoromethane	3.26	101	23160	20.107	ug/l	92
8) Diethyl Ether	3.68	74	21367	19.543	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.07	101	37959	19.388	ug/l	96
10) Methyl Iodide	4.27	142	49217	18.579	ug/l	99
11) Tert butyl alcohol	5.20	59	16787	119.440	ug/l	98
12) 1,1-Dichloroethene	4.04	96	36509	18.527	ug/l	95
13) Acrolein	3.89	56	10596	80.090	ug/l	98
14) Allyl chloride	4.67	41	79675	18.912	ug/l	99
15) Acrylonitrile	5.36	53	60085	110.875	ug/l	100
16) Acetone	4.13	43	63423	106.237	ug/l	95
17) Carbon Disulfide	4.38	76	89782	15.075	ug/l	99
18) Methyl Acetate	4.67	43	34474	23.314	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	70582	22.148	ug/l	98
20) Methylene Chloride	4.91	84	41566	18.417	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	39412	18.650	ug/l	93
22) Diisopropyl ether	6.31	45	156953	20.099	ug/l	96
23) Vinyl Acetate	6.25	43	487294	101.397	ug/l	98
24) 1,1-Dichloroethane	6.21	63	82970	19.514	ug/l	98
25) 2-Butanone	7.18	43	87526	107.890	ug/l	99
26) 2,2-Dichloropropane	7.16	77	51524	21.409	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	44592	19.750	ug/l	99
28) Bromochloromethane	7.51	49	38124	20.572	ug/l	95
29) Tetrahydrofuran	7.53	42	54260	111.482	ug/l	99
30) Chloroform	7.68	83	79452	20.425	ug/l	100
31) Cyclohexane	7.95	56	74539	17.719	ug/l #	92
32) 1,1,1-Trichloroethane	7.87	97	64608	20.995	ug/l	98
36) 1,1-Dichloropropene	8.08	75	63060	20.214	ug/l	98
37) Ethyl Acetate	7.25	43	37723	22.067	ug/l	100
38) Carbon Tetrachloride	8.07	117	57155	21.168	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	67262	19.193	ug/l	96
40) Benzene	8.32	78	171474	20.130	ug/l	98
41) Methacrylonitrile	7.48	41	22345	22.240	ug/l	96
42) 1,2-Dichloroethane	8.40	62	57573	21.565	ug/l	99
43) Isopropyl Acetate	8.42	43	70576	22.288	ug/l	99
44) Trichloroethene	9.09	130	43993	21.245	ug/l	91
45) 1,2-Dichloropropane	9.37	63	46012	20.071	ug/l	99
46) Dibromomethane	9.46	93	21828	21.400	ug/l	98
47) Bromodichloromethane	9.65	83	58229	21.450	ug/l	97
48) Methyl methacrylate	9.43	41	33082	21.951	ug/l	95
49) 1,4-Dioxane	9.46	88	7622	488.118	ug/l #	76
51) 4-Methyl-2-Pentanone	10.21	43	185849	115.393	ug/l	99
52) Toluene	10.39	92	105621	20.640	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	57661	20.852	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	68854	20.622	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	32059	22.214	ug/l	98
56) Ethyl methacrylate	10.65	69	46695	22.231	ug/l	98
57) 1,3-Dichloropropane	10.93	76	59639	21.868	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	119272	110.644	ug/l	99
59) 2-Hexanone	10.97	43	131139	115.076	ug/l	99
60) Dibromochloromethane	11.13	129	35387	22.014	ug/l	97
61) 1,2-Dibromoethane	11.23	107	29387	21.857	ug/l	100
64) Tetrachloroethene	10.86	164	36127	21.519	ug/l	99
65) Chlorobenzene	11.66	112	107247	21.033	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	38266	21.512	ug/l	98
67) Ethyl Benzene	11.73	91	205738	20.946	ug/l	99
68) m/p-Xylenes	11.84	106	150188	42.449	ug/l	99
69) o-Xylene	12.16	106	69315	21.167	ug/l	99
70) Styrene	12.18	104	120871	21.325	ug/l	99
71) Bromoform	12.35	173	20519	23.152	ug/l #	98
73) Isopropylbenzene	12.46	105	201933	21.387	ug/l	99
74) N-amyl acetate	12.27	43	63500	22.260	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	38222	22.082	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	51363	41.854	ug/l #	100
77) Bromobenzene	12.74	156	44331	21.703	ug/l	96
78) n-propylbenzene	12.80	91	240852	20.896	ug/l	99
79) 2-Chlorotoluene	12.89	91	137195	20.965	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	169931	21.539	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	12285	21.949	ug/l	98
82) 4-Chlorotoluene	12.99	91	145959	21.301	ug/l	100
83) tert-Butylbenzene	13.21	119	148522	22.224	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	170583	21.524	ug/l	99
85) sec-Butylbenzene	13.38	105	208100	21.735	ug/l	99
86) p-Isopropyltoluene	13.50	119	186341	21.793	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	87462	21.891	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	86057	21.693	ug/l	99
89) n-Butylbenzene	13.82	91	182367	21.447	ug/l	99
90) Hexachloroethane	14.09	117	30829	20.550	ug/l	91
91) 1,2-Dichlorobenzene	13.87	146	78169	22.303	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6883	23.587	ug/l	98

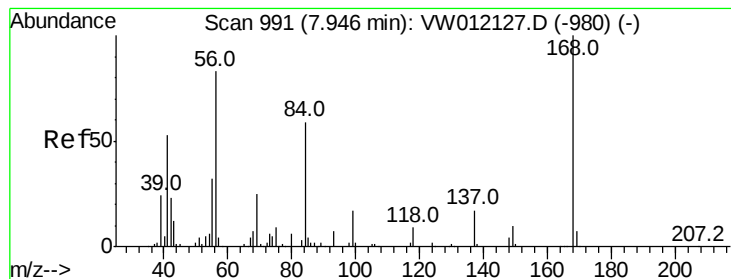
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	54392	22.457	ug/l	99
94) Hexachlorobutadiene	15.24	225	37426	23.401	ug/l	98
95) Naphthalene	15.36	128	98075	23.173	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	48490	22.946	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012538.D

Acq: 03 Sep 2019 10:45

Instrument :

MSVOA_W

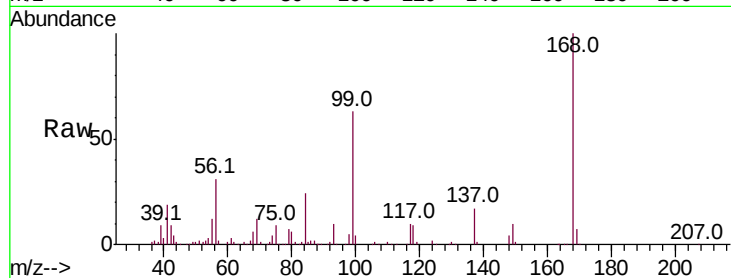
ClientSampleId :

Tot Ion:168 Resp: 196464

Ion Ratio Lower Upper

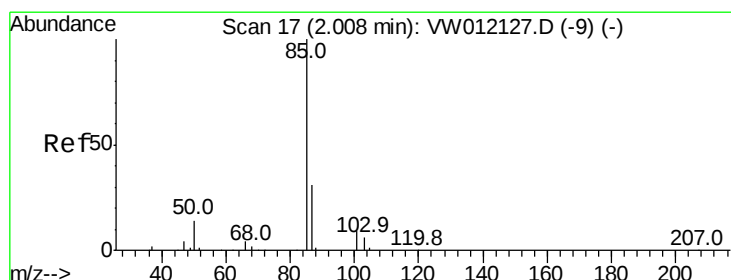
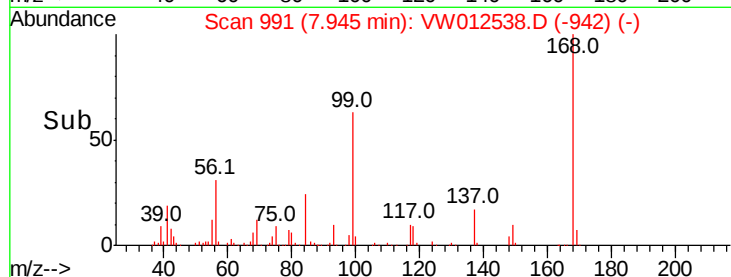
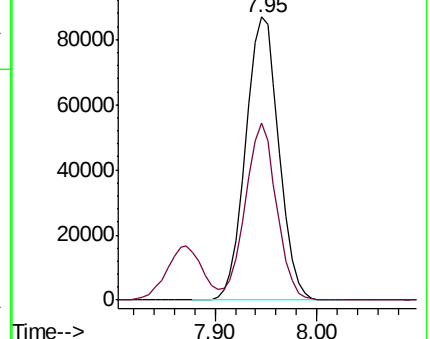
168 100

99 62.5 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: 17.154 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012538.D

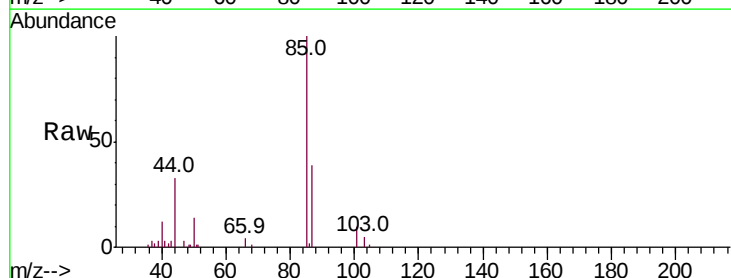
Acq: 03 Sep 2019 10:45

Tgt Ion: 85 Resp: 20751

Ion Ratio Lower Upper

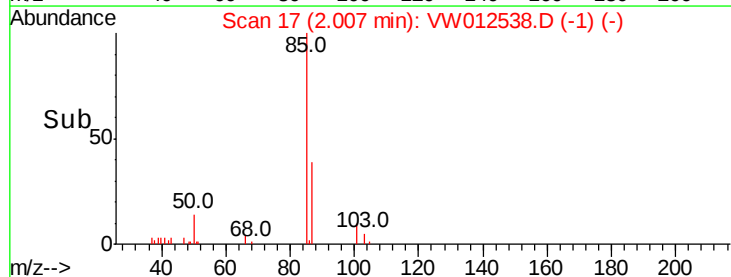
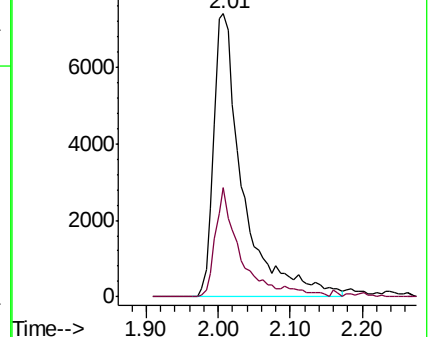
85 100

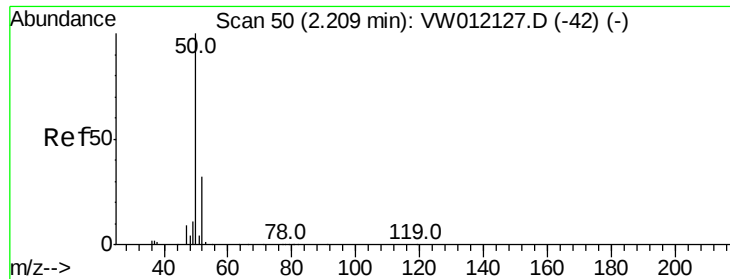
87 38.6 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 17.206 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012538.D

Acq: 03 Sep 2019 10:45

Instrument :

MSVOA_W

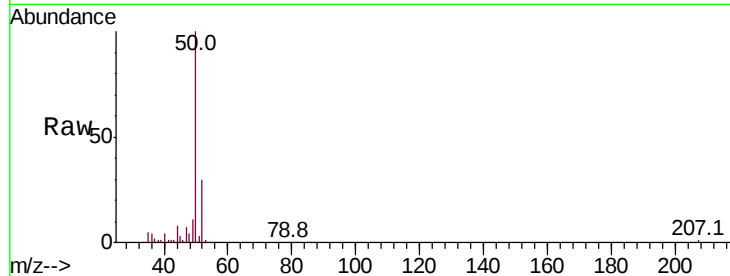
ClientSampleId :

Tot Ion: 50 Resp: 32248

Ion Ratio Lower Upper

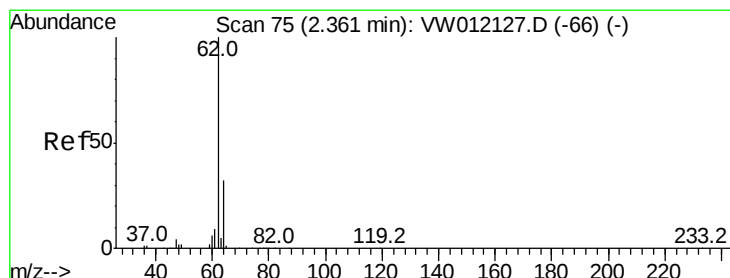
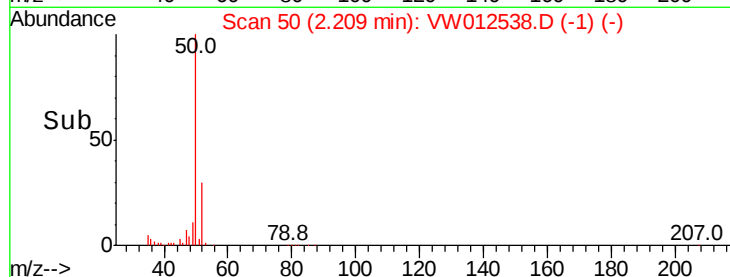
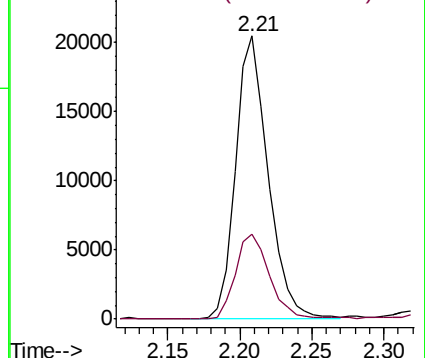
50 100

52 30.2 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 16.651 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012538.D

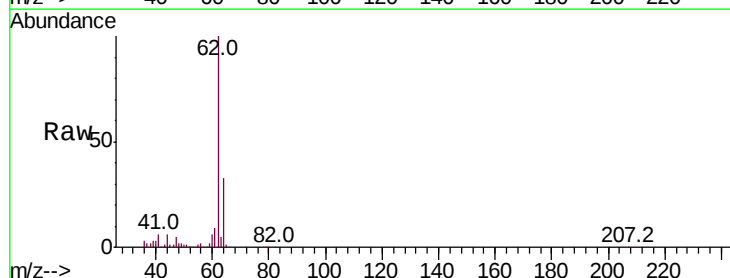
Acq: 03 Sep 2019 10:45

Tgt Ion: 62 Resp: 38197

Ion Ratio Lower Upper

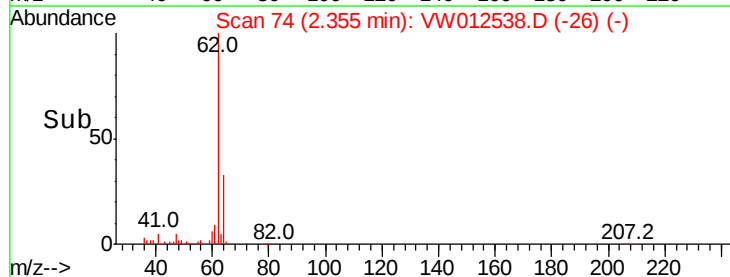
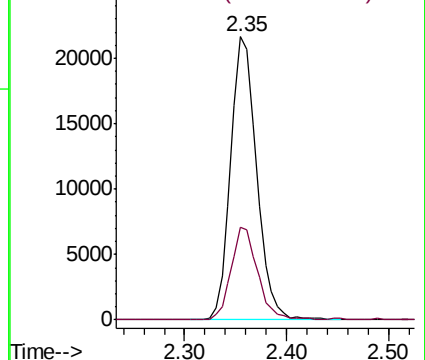
62 100

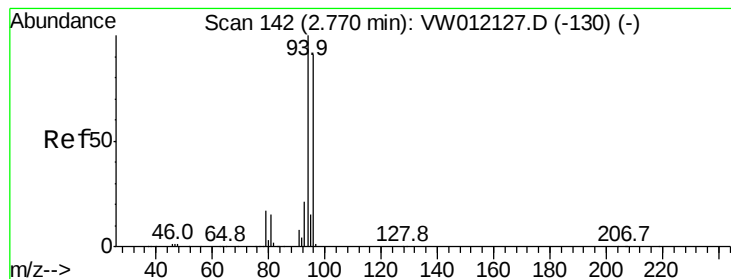
64 32.6 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 16.663 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW012538.D

Acq: 03 Sep 2019 10:45

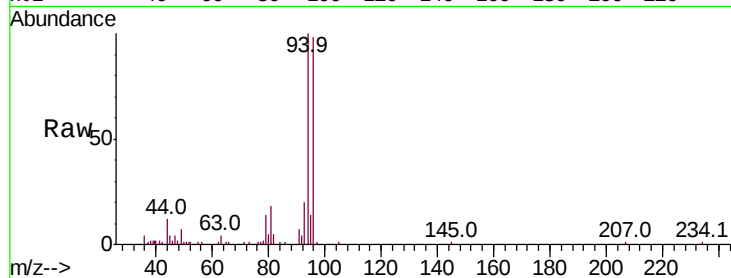
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 94 Resp: 19358

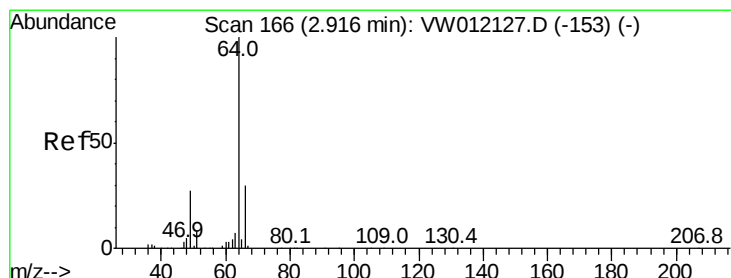
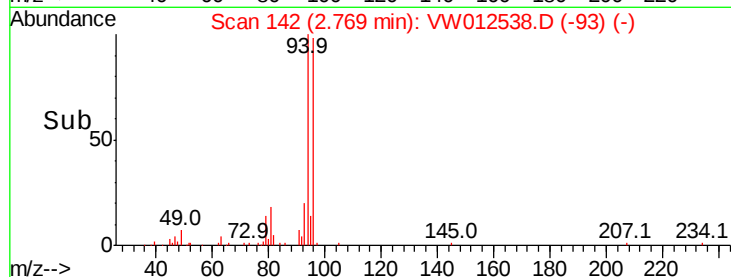
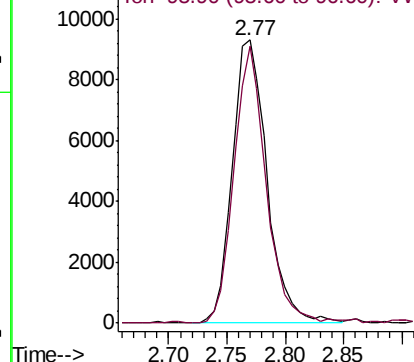
Ion Ratio Lower Upper

94 100

96 97.8 72.9 109.3



Abundance Ion 93.90 (93.60 to 94.60): VW
Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 16.537 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW012538.D

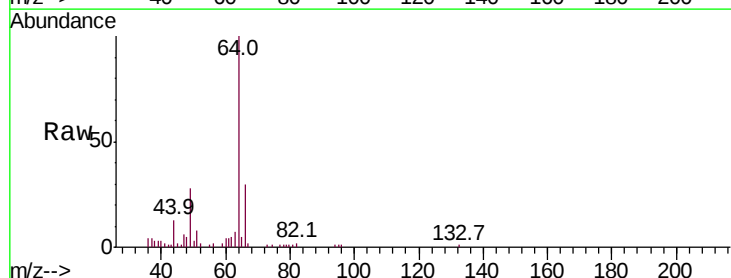
Acq: 03 Sep 2019 10:45

Tgt Ion: 64 Resp: 21399

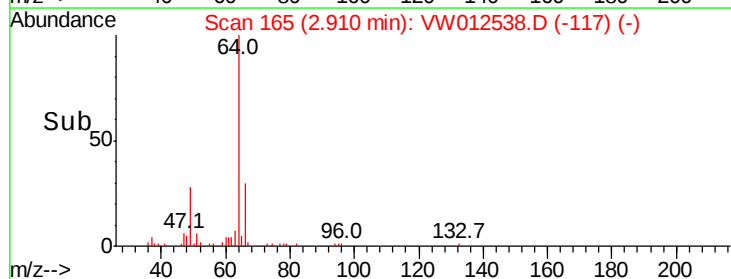
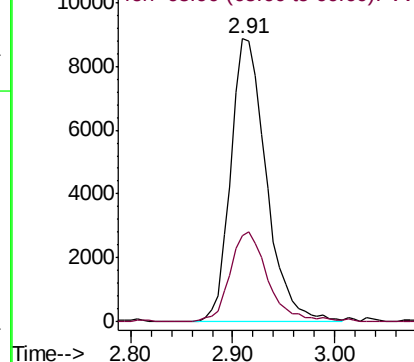
Ion Ratio Lower Upper

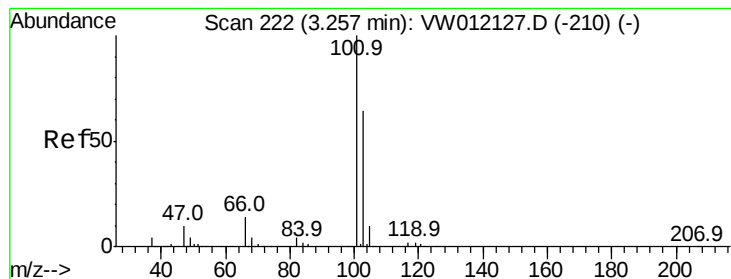
64 100

66 30.5 23.8 35.8



Abundance Ion 63.90 (63.60 to 64.60): VW
Ion 65.90 (65.60 to 66.60): VW



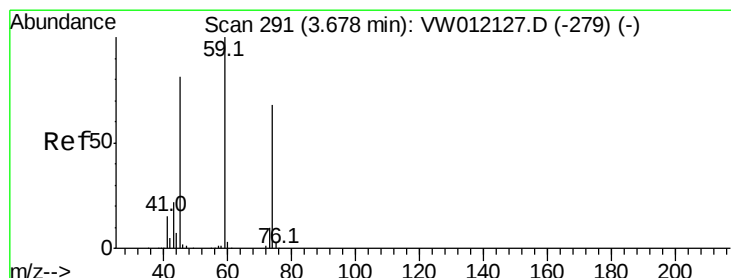
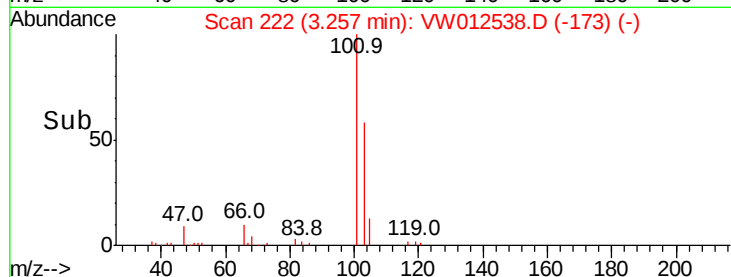
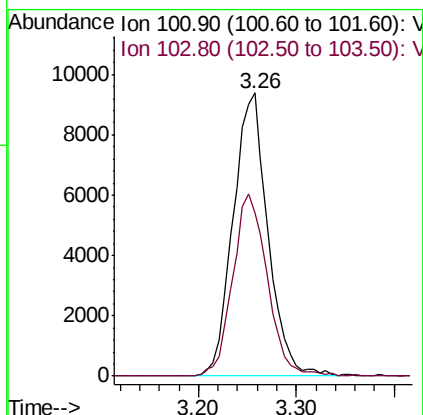
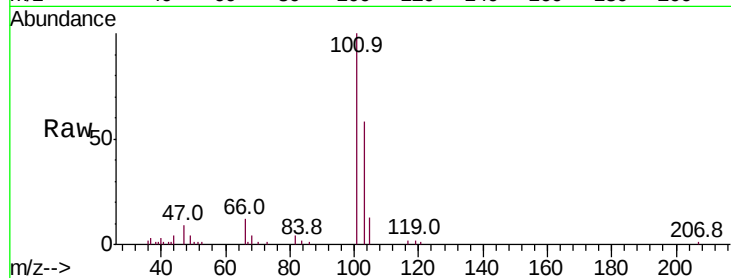


#7

Trichlorofluoromethane
 Concen: 20.107 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW012538.D
 Acq: 03 Sep 2019 10:45

Instrument :
 MSVOA_W
 ClientSampled :

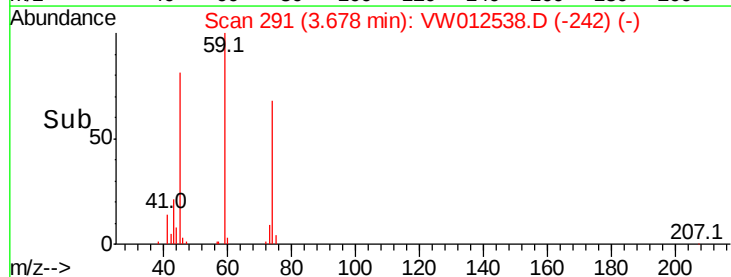
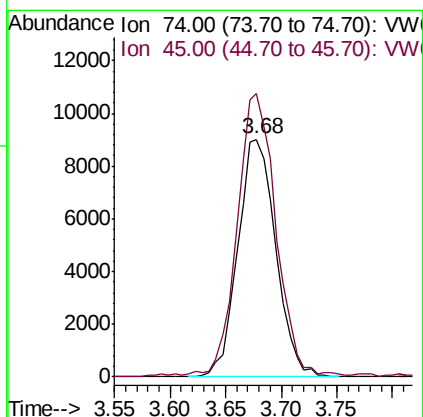
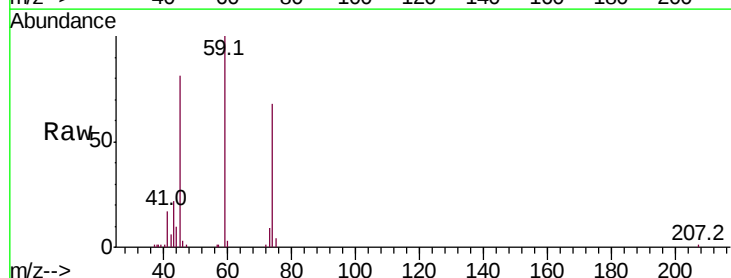
Tot Ion:101 Resp: 23160
 Ion Ratio Lower Upper
 101 100
 103 57.7 51.2 76.8

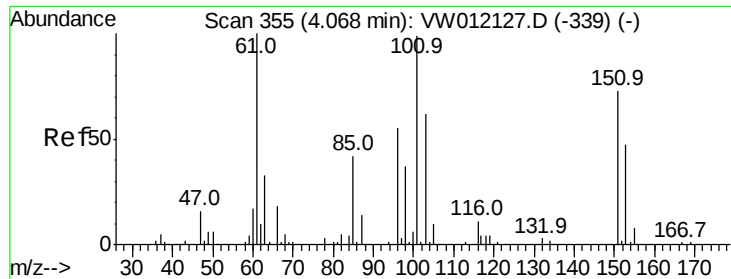


#8

Diethyl Ether
 Concen: 19.543 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012538.D
 Acq: 03 Sep 2019 10:45

Tgt Ion: 74 Resp: 21367
 Ion Ratio Lower Upper
 74 100
 45 123.3 59.2 177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.388 ug/l

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW012538.D

Acq: 03 Sep 2019 10:45

Instrument :

MSVOA_W

ClientSampled :

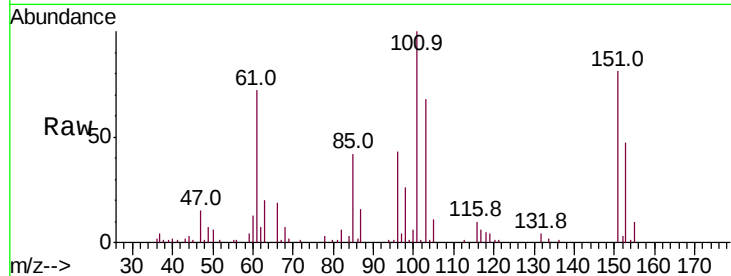
Tot Ion:101 Resp: 37959

Ion Ratio Lower Upper

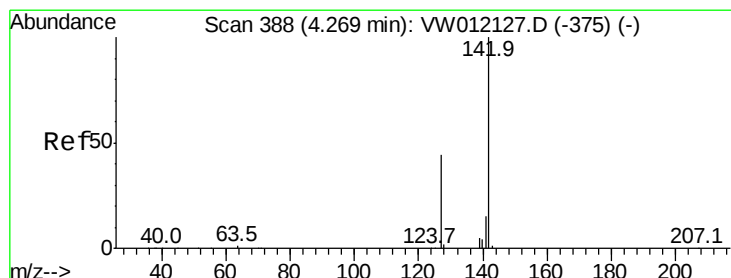
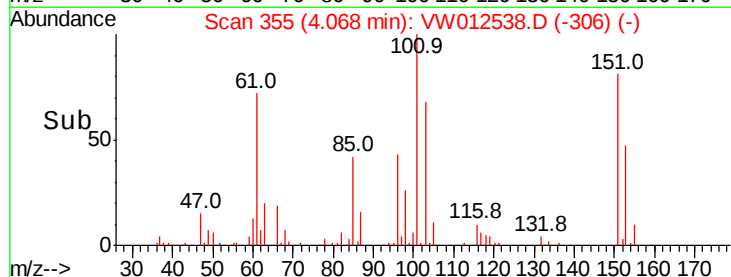
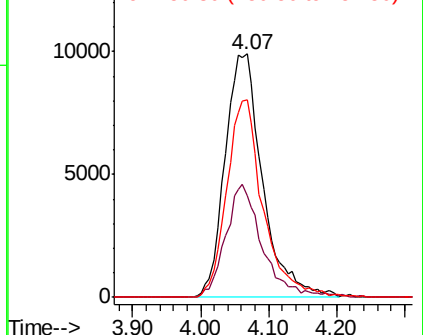
101 100

85 44.8 35.8 53.6

151 78.8 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: 18.579 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW012538.D

Acq: 03 Sep 2019 10:45

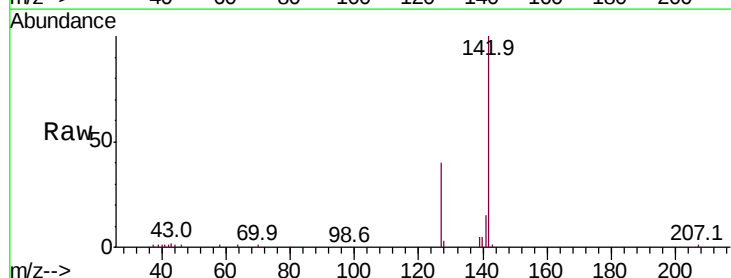
Tgt Ion:142 Resp: 49217

Ion Ratio Lower Upper

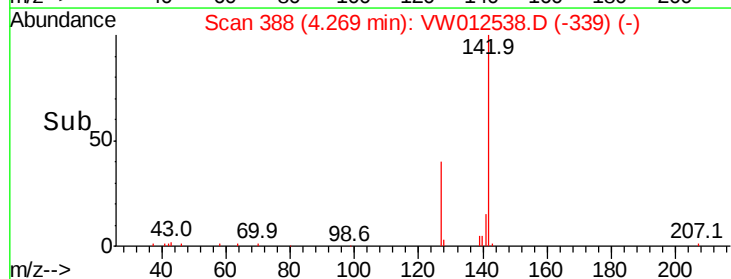
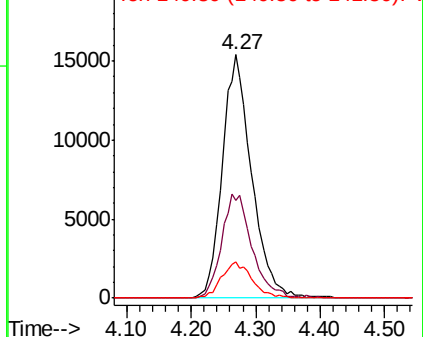
142 100

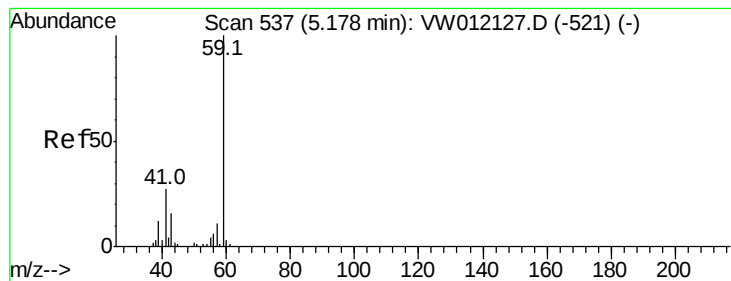
127 44.0 35.5 53.3

141 15.4 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



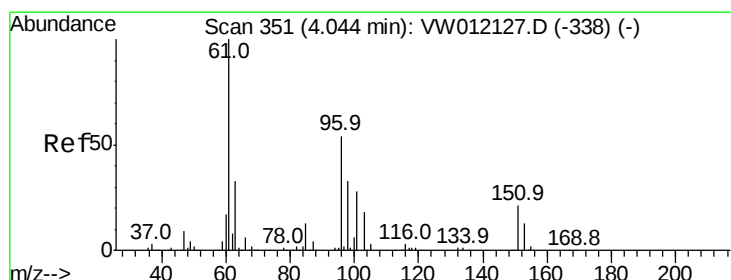
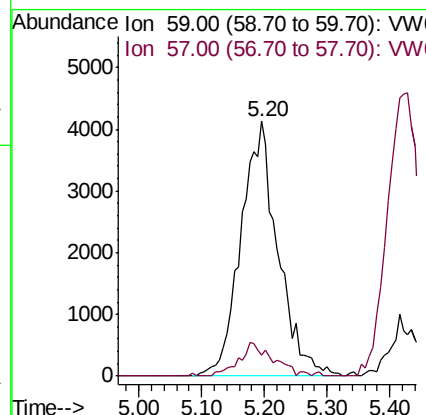
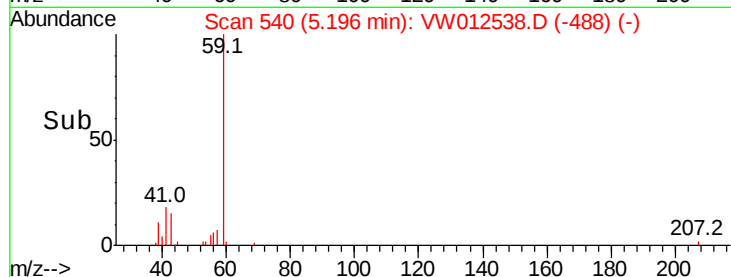
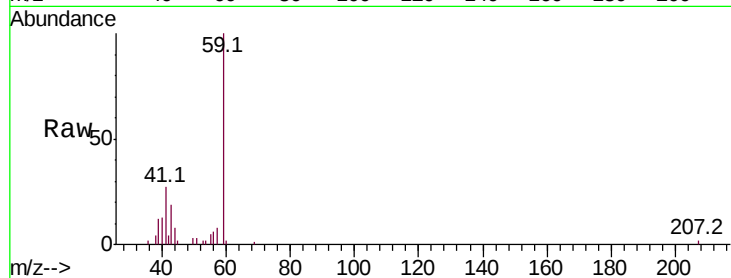


#11

Tert butyl alcohol
Concen: 119.440 ug/l
RT: 5.20 min Scan# 540
Delta R.T. 0.02 min
Lab File: VW012538.D
Acq: 03 Sep 2019 10:45

Instrument :
MSVOA_W
ClientSampleId :

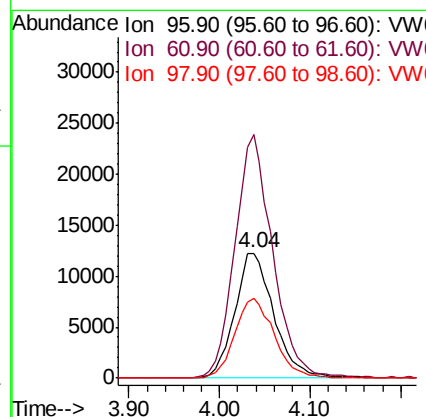
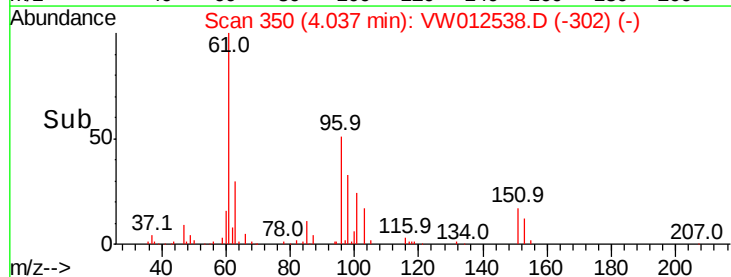
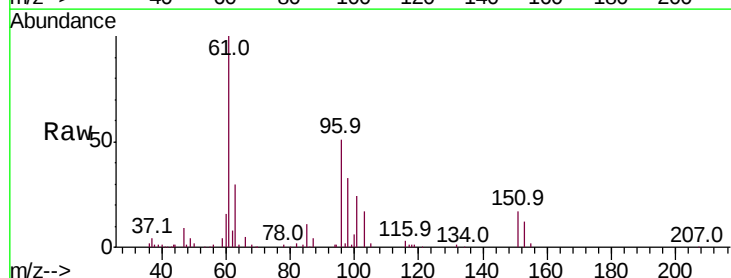
Tot Ion: 59 Resp: 16787
Ion Ratio Lower Upper
59 100
57 11.9 9.0 13.4

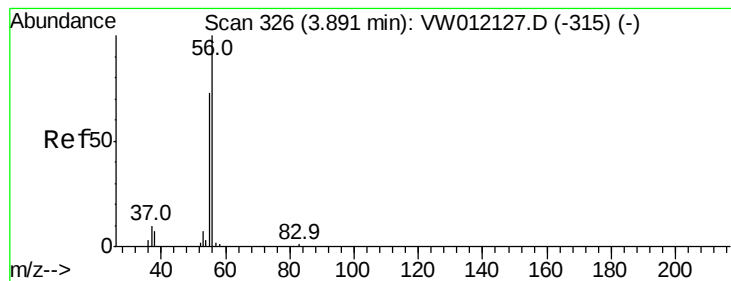


#12

1,1-Dichloroethene
Concen: 18.527 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW012538.D
Acq: 03 Sep 2019 10:45

Tgt Ion: 96 Resp: 36509
Ion Ratio Lower Upper
96 100
61 194.5 149.1 223.7
98 64.2 49.4 74.2





#13

Acrolein

Concen: 80.090 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW012538.D

Acq: 03 Sep 2019 10:45

Instrument :

MSVOA_W

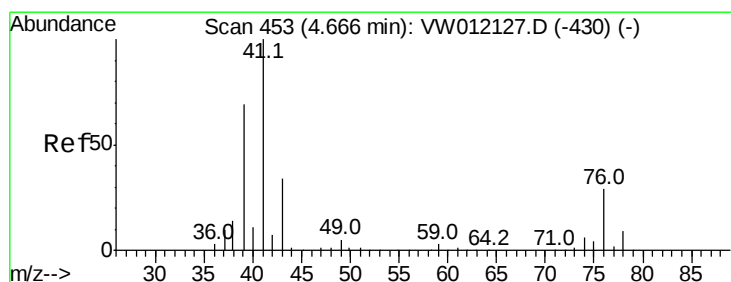
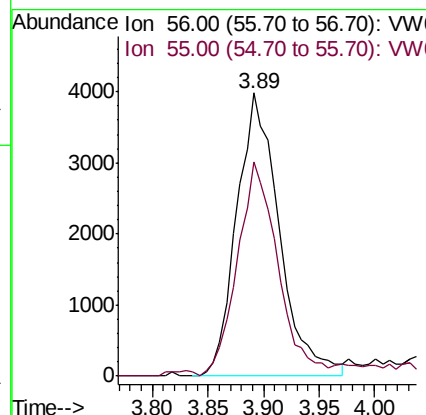
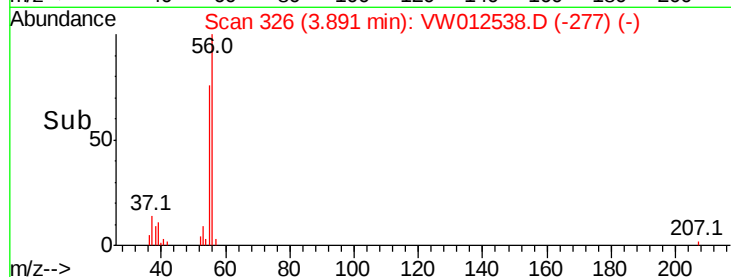
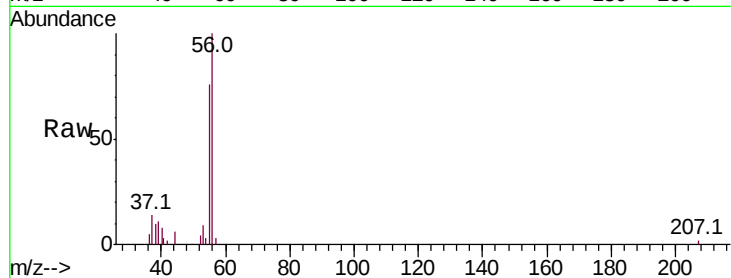
ClientSampleId :

Tot Ion: 56 Resp: 10596

Ion Ratio Lower Upper

56 100

55 71.8 55.8 83.8



#14

Allyl chloride

Concen: 18.912 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012538.D

Acq: 03 Sep 2019 10:45

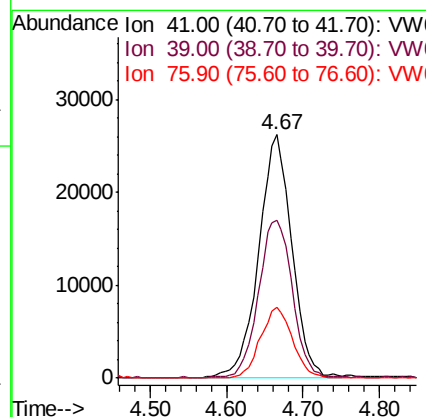
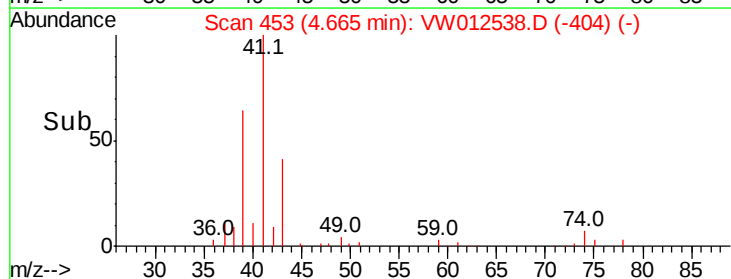
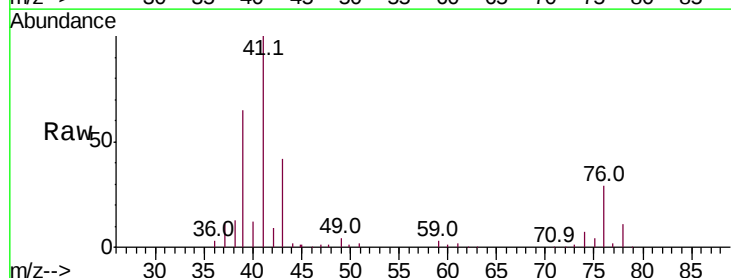
Tgt Ion: 41 Resp: 79675

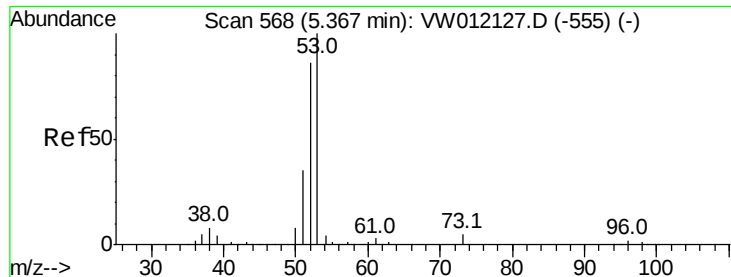
Ion Ratio Lower Upper

41 100

39 66.4 53.4 80.2

76 28.1 22.1 33.1





#15

Acrylonitrile

Concen: 110.875 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012538.D

Acq: 03 Sep 2019 10:45

Instrument :

MSVOA_W

ClientSampleId :

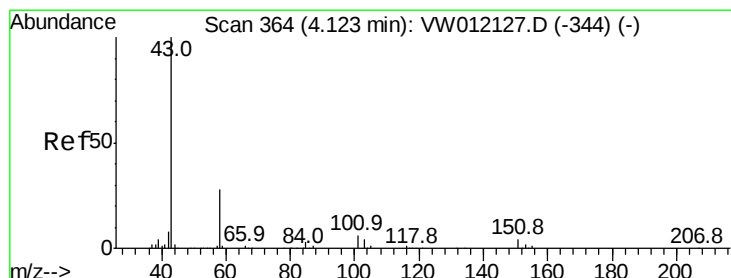
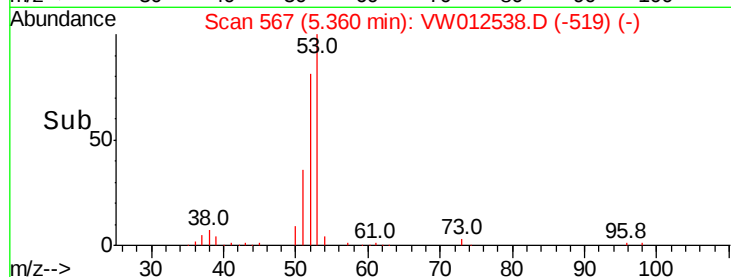
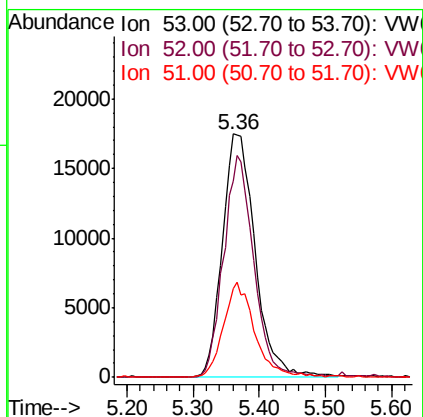
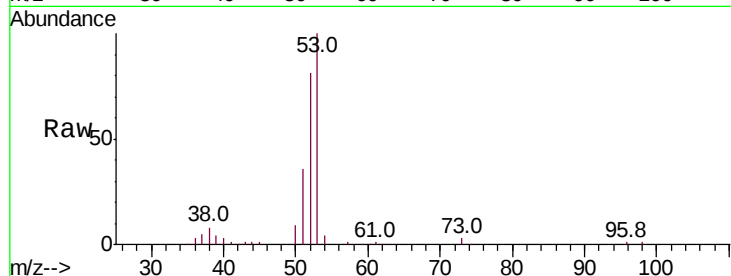
Tot Ion: 53 Resp: 60085

Ion Ratio Lower Upper

53 100

52 83.6 66.7 100.1

51 37.2 30.1 45.1



#16

Acetone

Concen: 106.237 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW012538.D

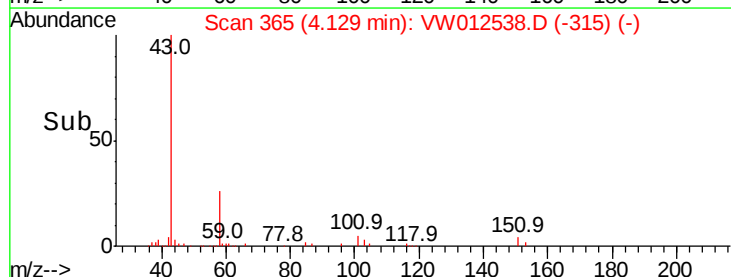
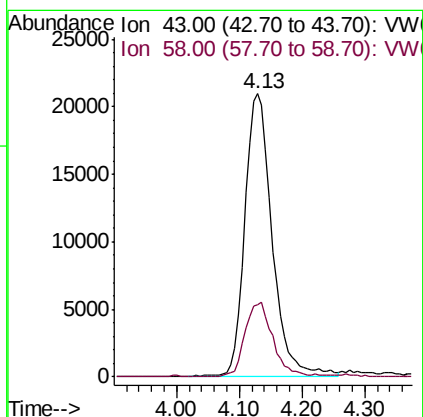
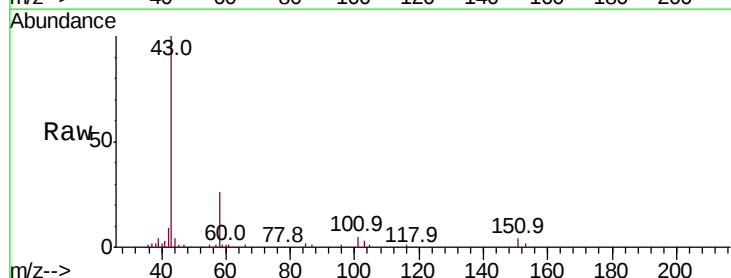
Acq: 03 Sep 2019 10:45

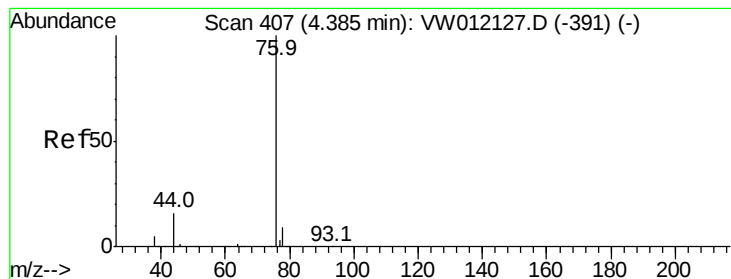
Tgt Ion: 43 Resp: 63423

Ion Ratio Lower Upper

43 100

58 25.5 22.4 33.6





#17

Carbon Disulfide

Concen: 15.075 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW012538.D

Acq: 03 Sep 2019 10:45

Instrument :

MSVOA_W

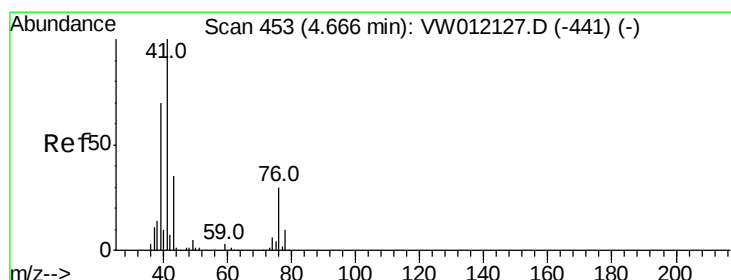
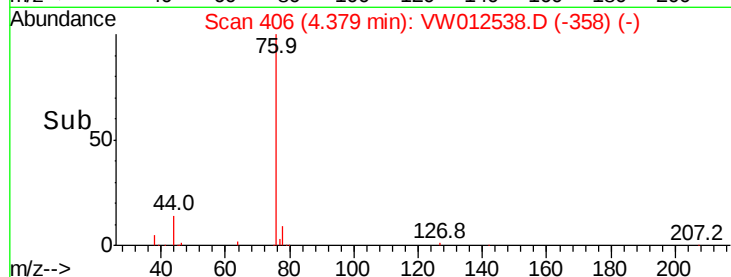
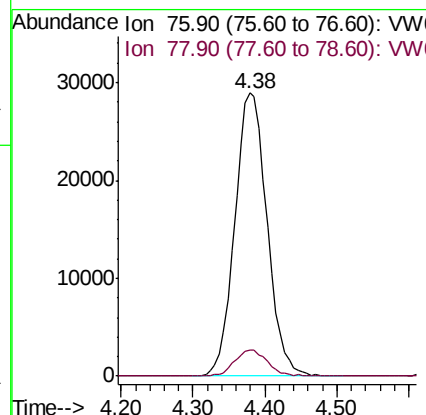
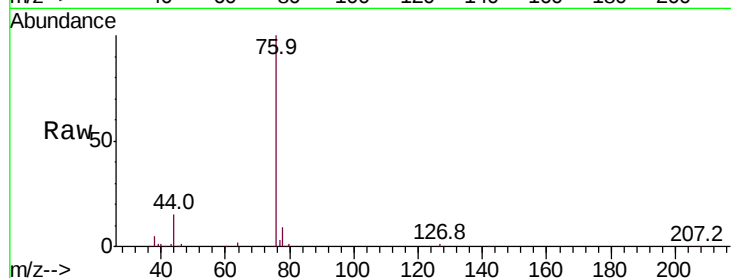
ClientSampleId :

Tot Ion: 76 Resp: 89782

Ion Ratio Lower Upper

76 100

78 9.4 7.3 10.9



#18

Methyl Acetate

Concen: 23.314 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW012538.D

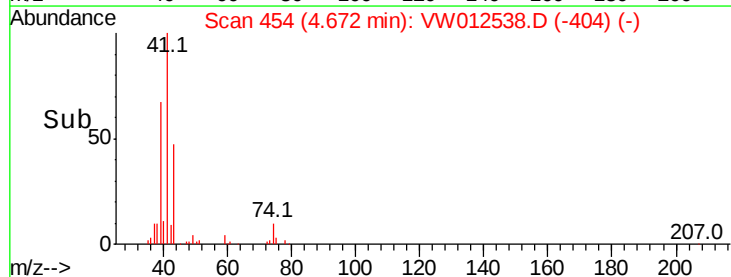
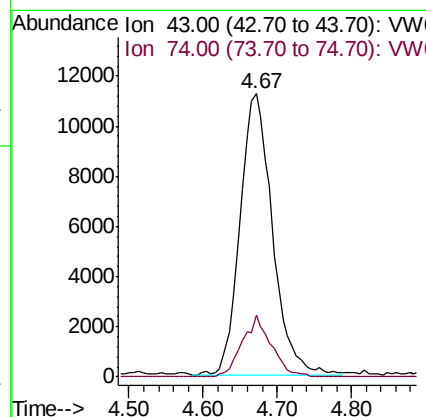
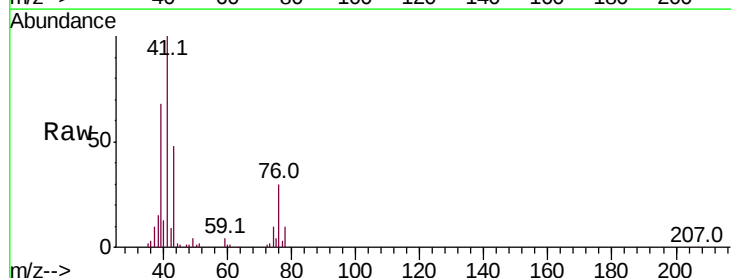
Acq: 03 Sep 2019 10:45

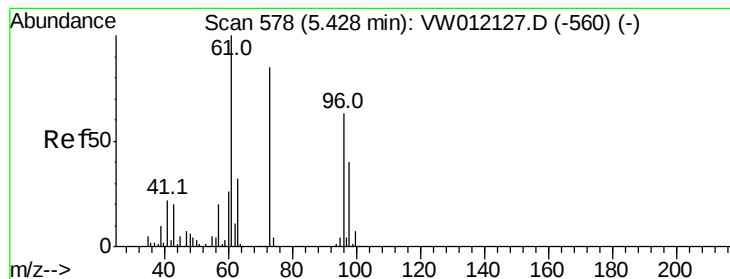
Tgt Ion: 43 Resp: 34474

Ion Ratio Lower Upper

43 100

74 19.5 15.7 23.5



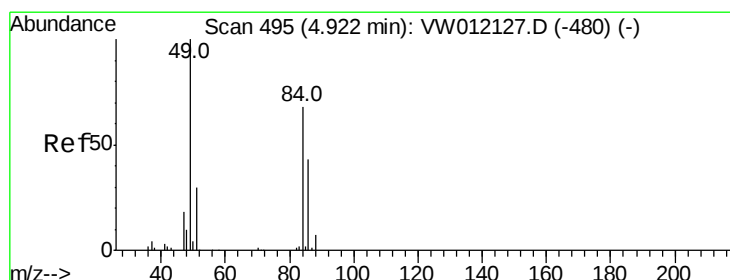
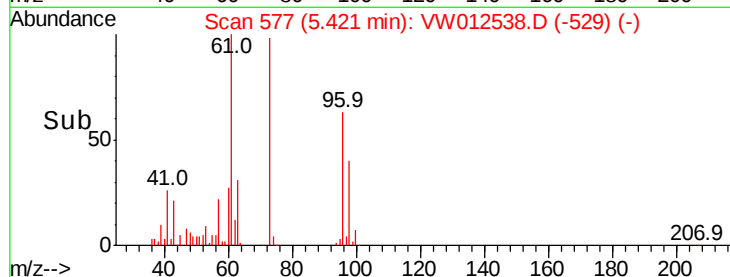
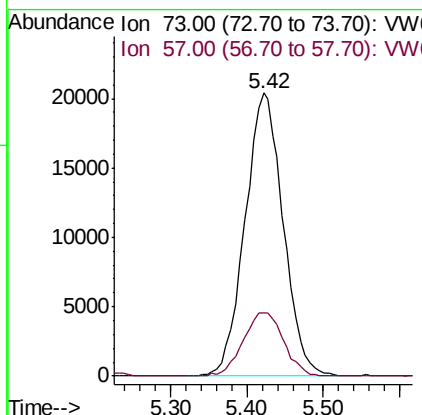
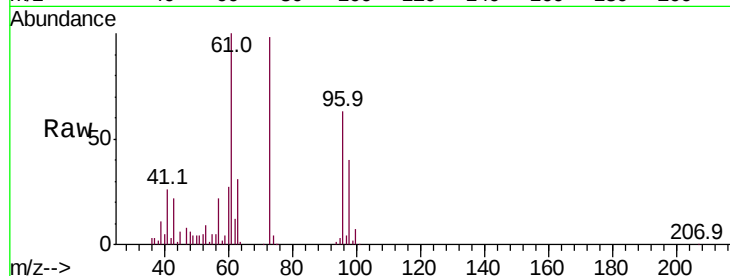


#19

Methyl tert-butyl Ether
 Concen: 22.148 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW012538.D
 Acq: 03 Sep 2019 10:45

Instrument :
 MSVOA_W
 ClientSampled :

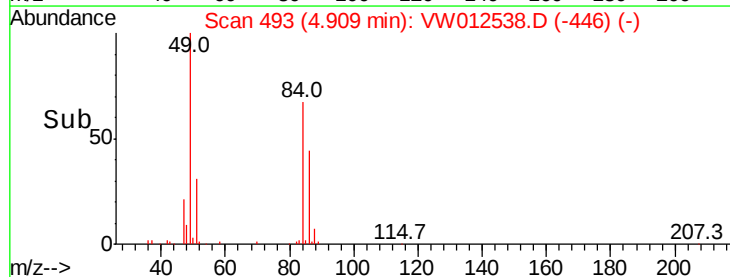
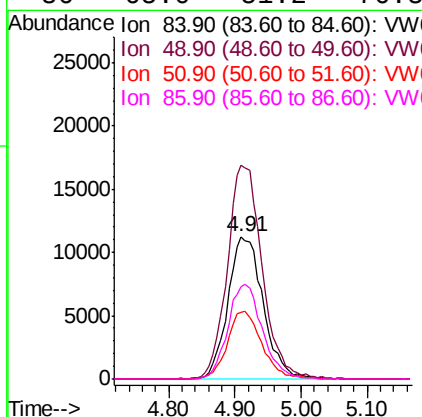
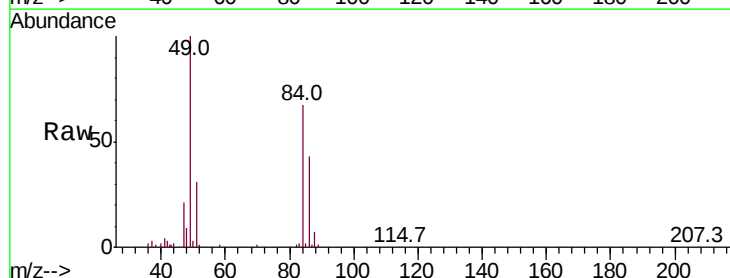
Tot Ion: 73 Resp: 70582
 Ion Ratio Lower Upper
 73 100
 57 22.5 18.9 28.3

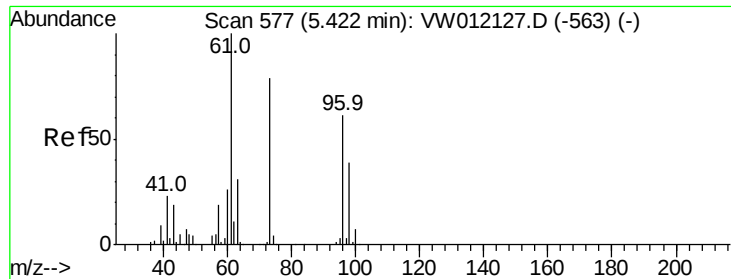


#20

Methylene Chloride
 Concen: 18.417 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW012538.D
 Acq: 03 Sep 2019 10:45

Tgt Ion: 84 Resp: 41566
 Ion Ratio Lower Upper
 84 100
 49 150.0 117.8 176.8
 51 47.1 35.6 53.4
 86 65.0 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 18.650 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW012538.D

Acq: 03 Sep 2019 10:45

Instrument :

MSVOA_W

ClientSampleId :

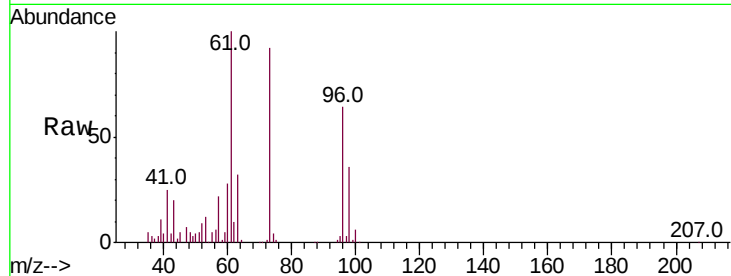
Tot Ion: 96 Resp: 39412

Ion Ratio Lower Upper

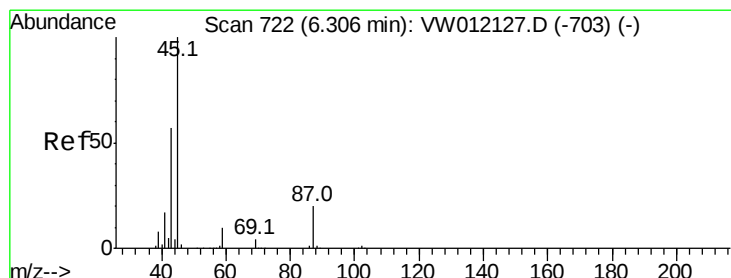
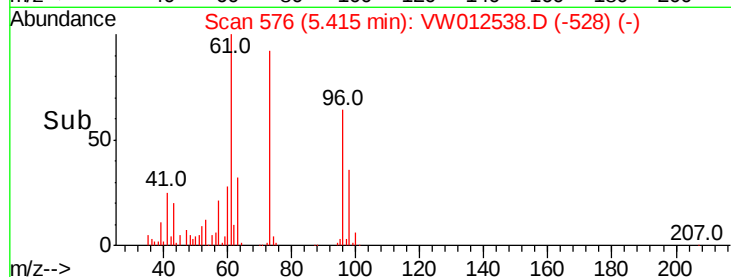
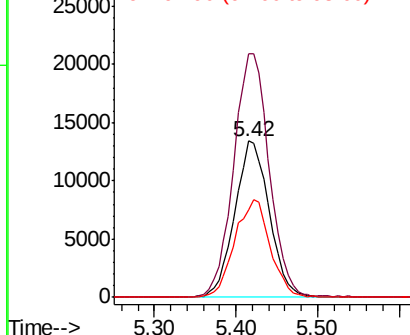
96 100

61 156.0 131.4 197.0

98 56.4 51.4 77.0



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



#22

Diisopropyl ether

Concen: 20.099 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW012538.D

Acq: 03 Sep 2019 10:45

Tgt Ion: 45 Resp: 156953

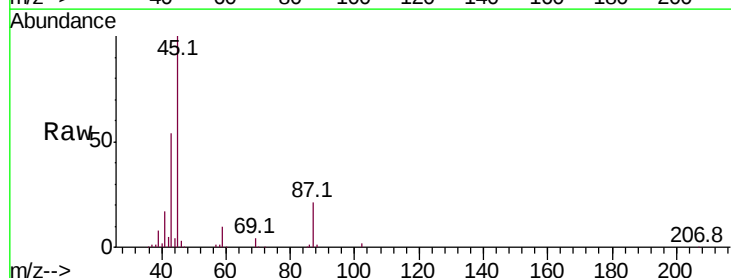
Ion Ratio Lower Upper

45 100

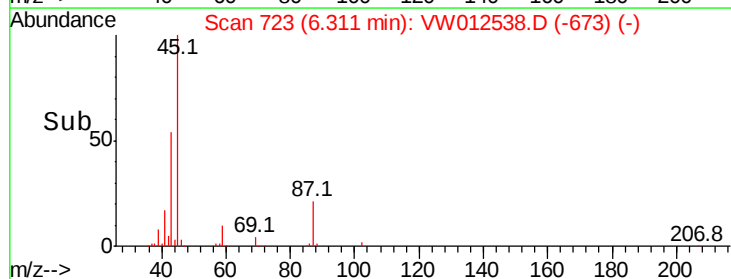
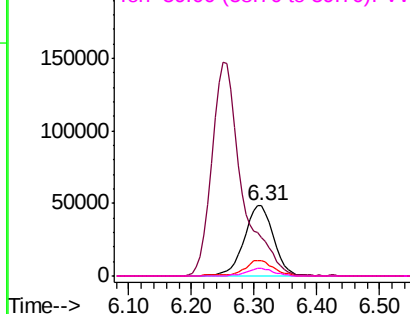
43 53.5 45.5 68.3

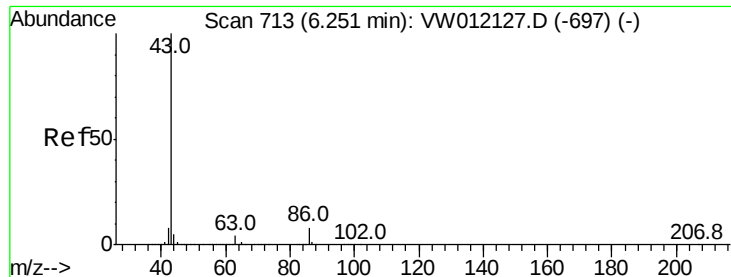
87 21.1 16.1 24.1

59 10.5 8.2 12.2



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 101.397 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012538.D

Acq: 03 Sep 2019 10:45

Instrument :

MSVOA_W

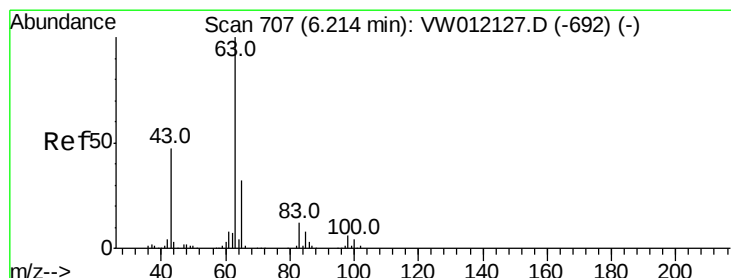
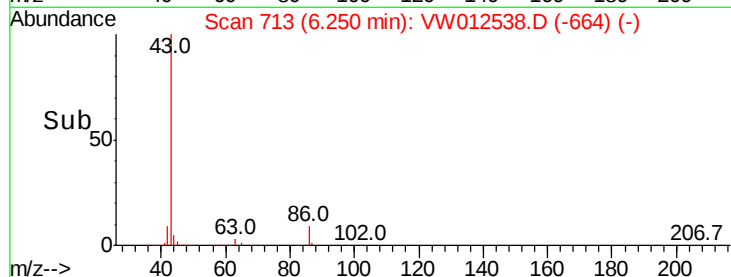
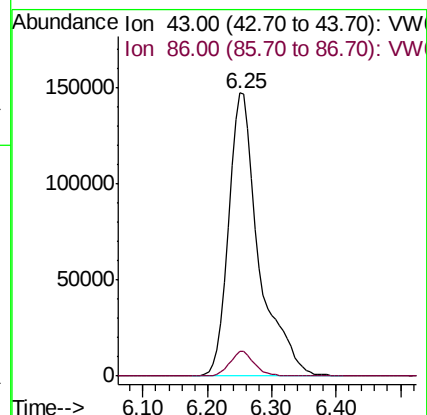
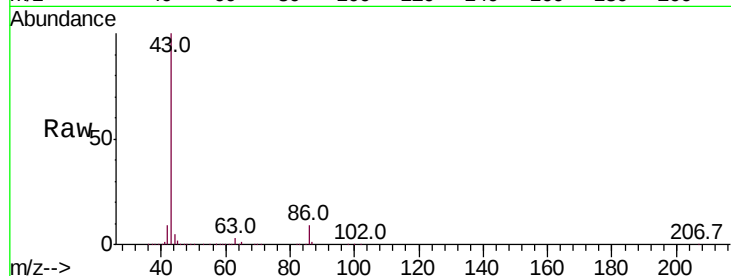
ClientSampleId :

Tot Ion: 43 Resp: 487294

Ion Ratio Lower Upper

43 100

86 8.7 6.5 9.7



#24

1,1-Dichloroethane

Concen: 19.514 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012538.D

Acq: 03 Sep 2019 10:45

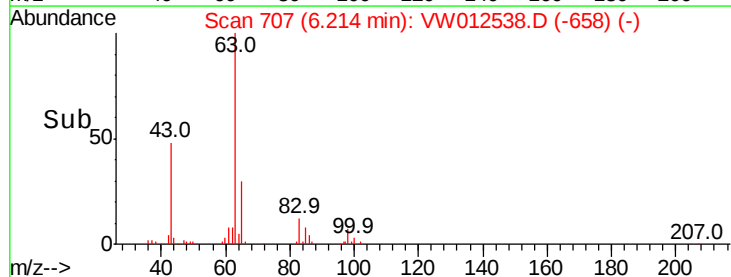
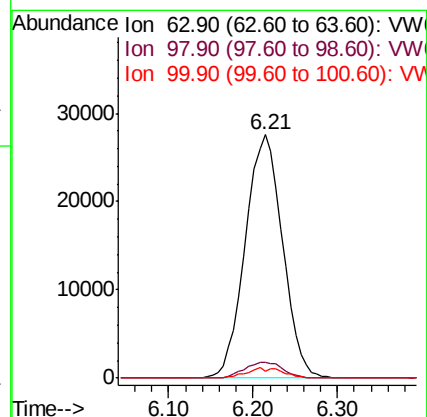
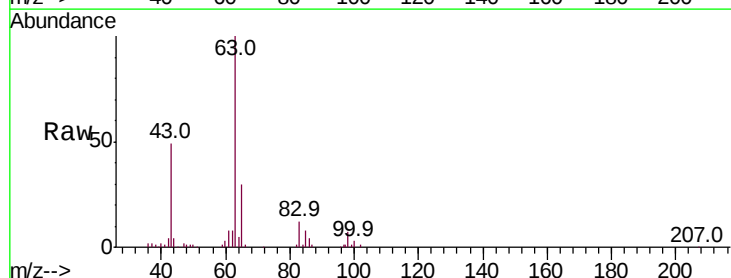
Tgt Ion: 63 Resp: 82970

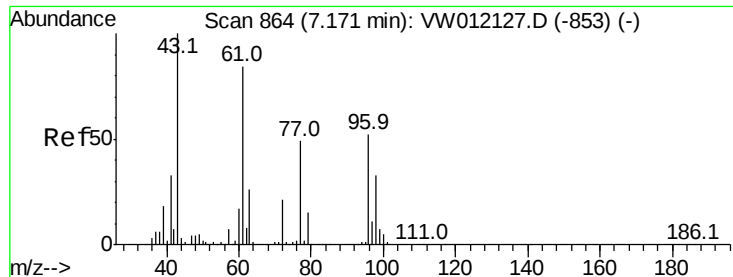
Ion Ratio Lower Upper

63 100

98 6.6 3.0 9.2

100 3.0 2.0 6.0





#25

2-Butanone

Concen: 107.890 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW012538.D

Acq: 03 Sep 2019 10:45

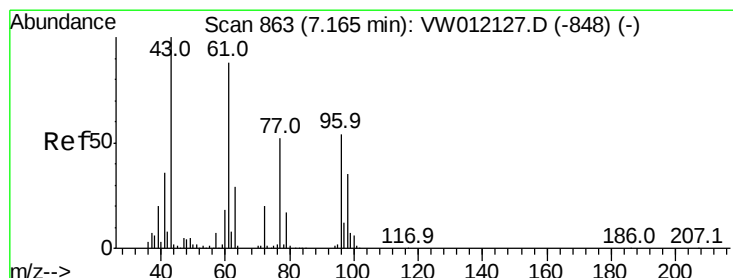
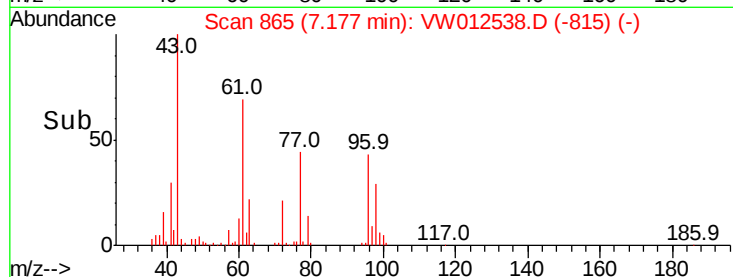
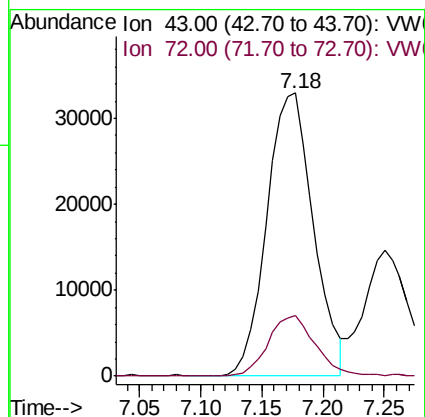
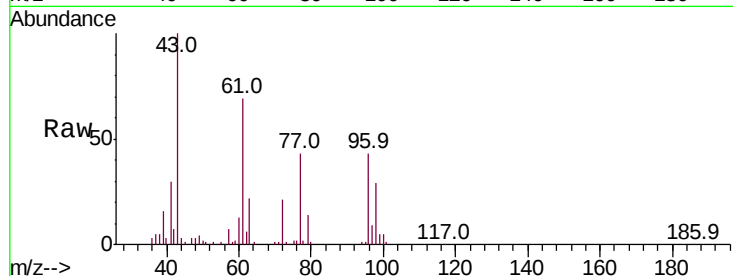
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 87526

Ion Ratio Lower Upper

43 100

72 21.4 16.6 24.8



#26

2,2-Dichloropropane

Concen: 21.409 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012538.D

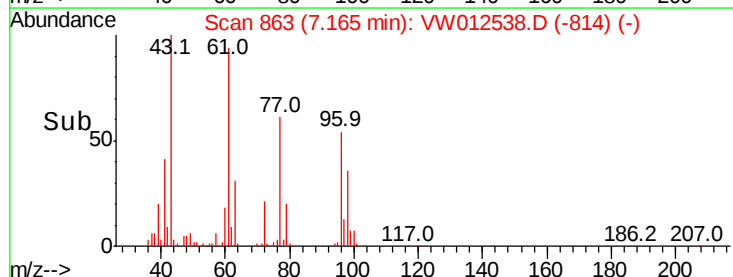
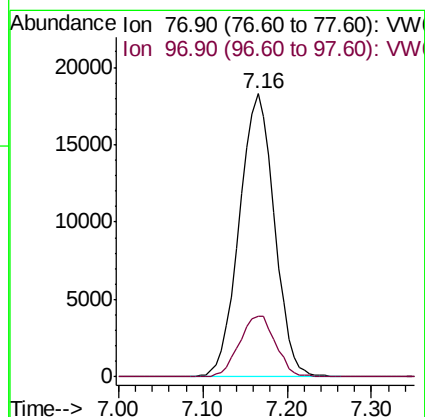
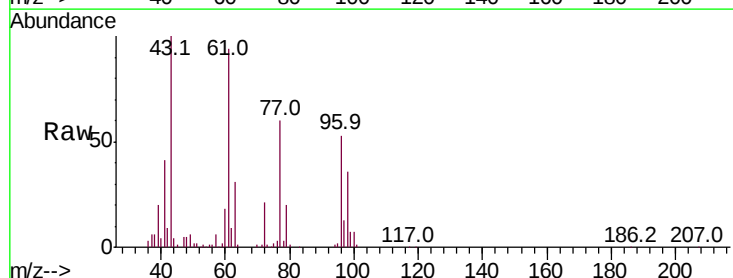
Acq: 03 Sep 2019 10:45

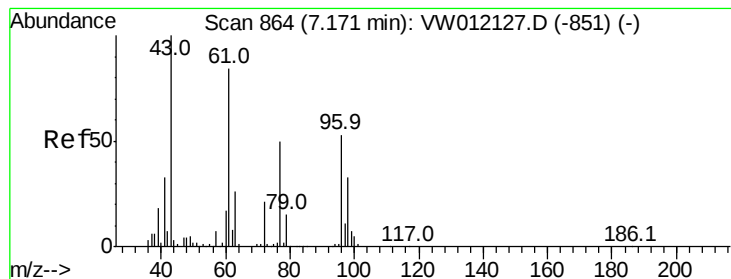
Tgt Ion: 77 Resp: 51524

Ion Ratio Lower Upper

77 100

97 22.1 11.1 33.1



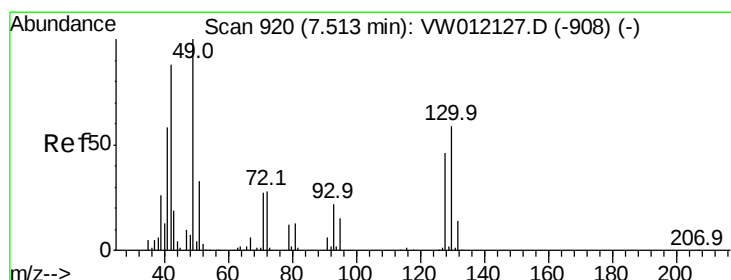
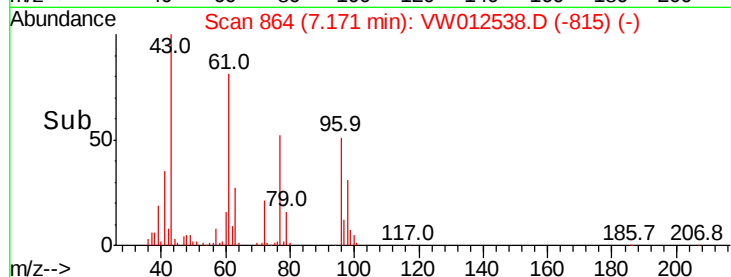
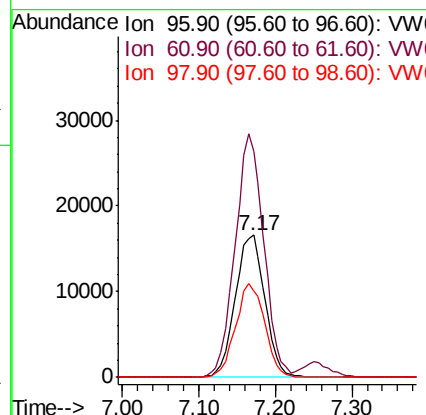
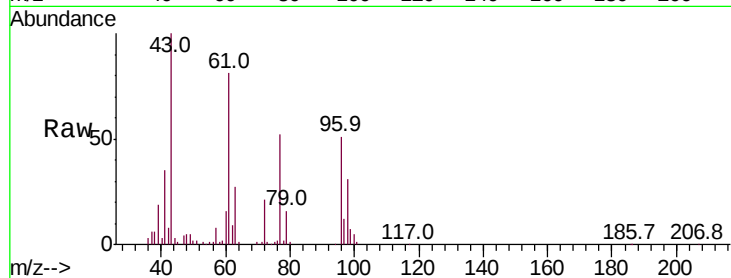


#27

cis-1,2-Dichloroethene
Concen: 19.750 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW012538.D
Acq: 03 Sep 2019 10:45

Instrument :
MSVOA_W
ClientSampled :

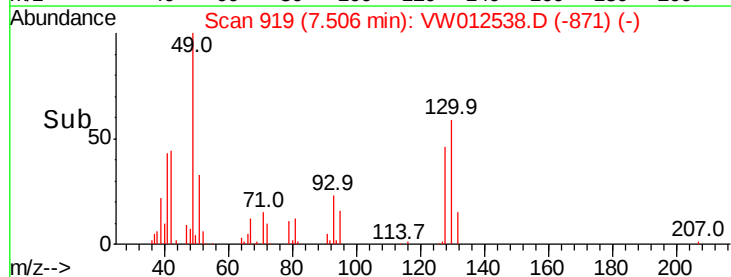
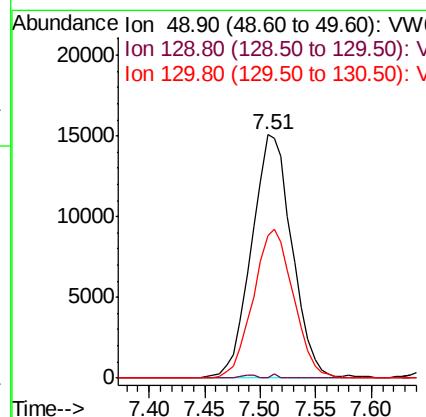
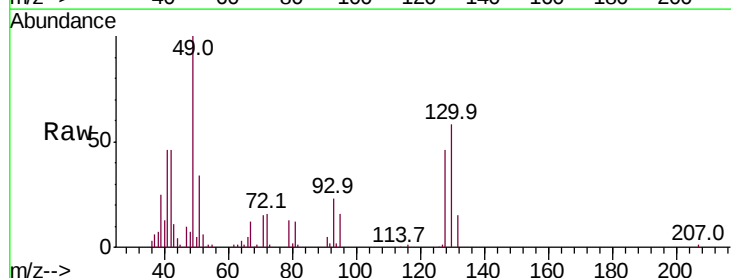
Tot Ion	96	Resp	44592
Ion	Ratio	Lower	Upper
96	100		
61	165.0	0.0	326.6
98	64.8	0.0	127.4

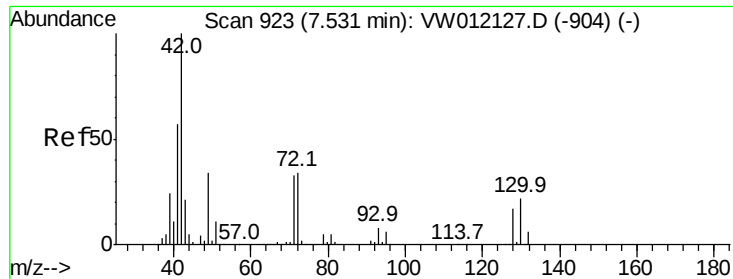


#28

Bromochloromethane
Concen: 20.572 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW012538.D
Acq: 03 Sep 2019 10:45

Tgt Ion	49	Resp	38124
Ion	Ratio	Lower	Upper
49	100		
129	0.3	0.0	1.4
130	60.7	45.5	68.3

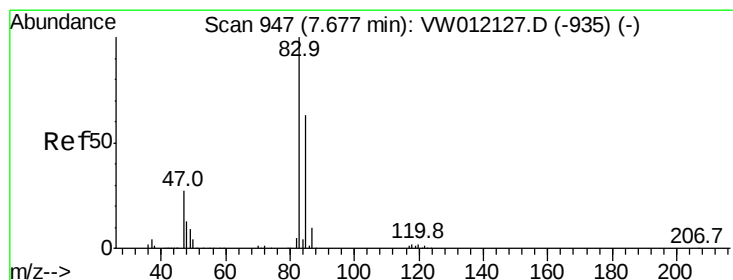
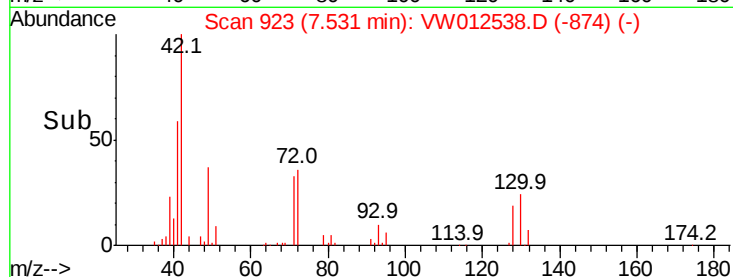
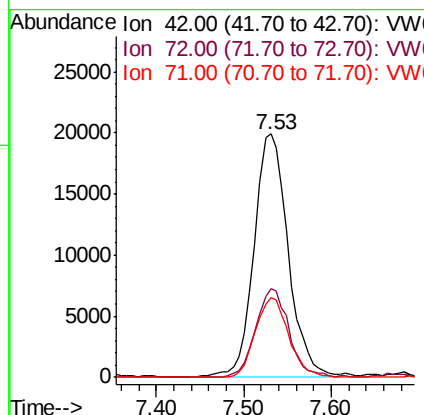
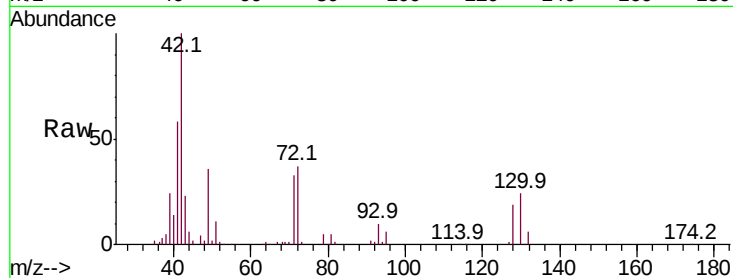




#29
Tetrahydrofuran
Concen: 111.482 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012538.D
Acq: 03 Sep 2019 10:45

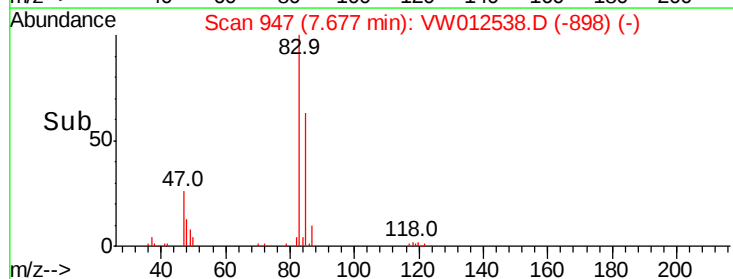
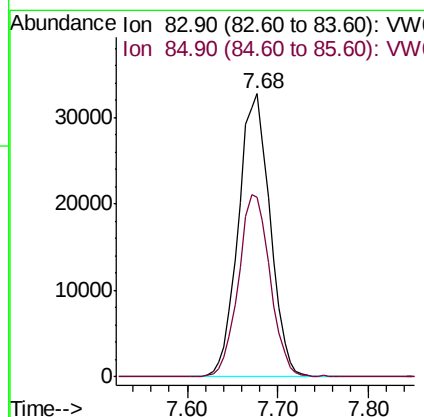
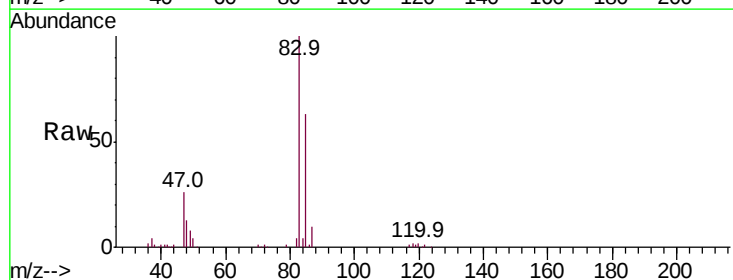
Instrument :
MSVOA_W
ClientSampled :

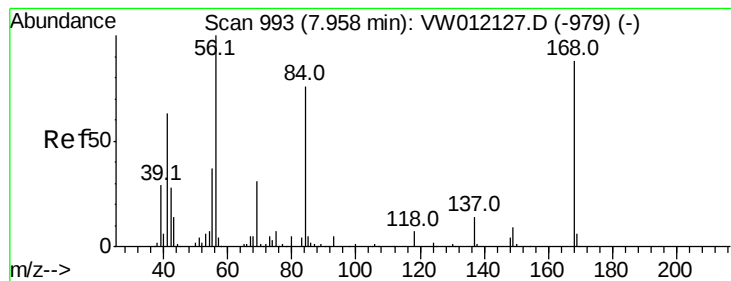
Tot Ion: 42 Resp: 54260
Ion Ratio Lower Upper
42 100
72 35.4 27.3 40.9
71 32.1 25.5 38.3



#30
Chloroform
Concen: 20.425 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW012538.D
Acq: 03 Sep 2019 10:45

Tgt Ion: 83 Resp: 79452
Ion Ratio Lower Upper
83 100
85 63.3 50.6 76.0





#31

Cyclohexane

Concen: 17.719 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

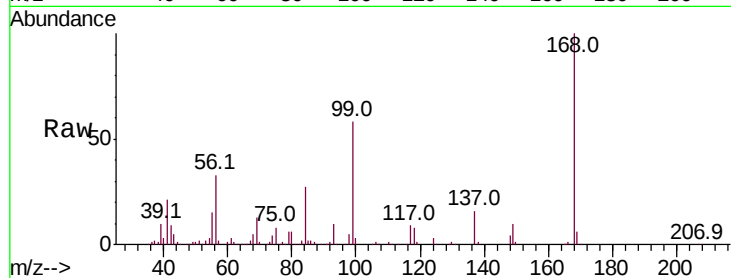
Lab File: VW012538.D

Acq: 03 Sep 2019 10:45

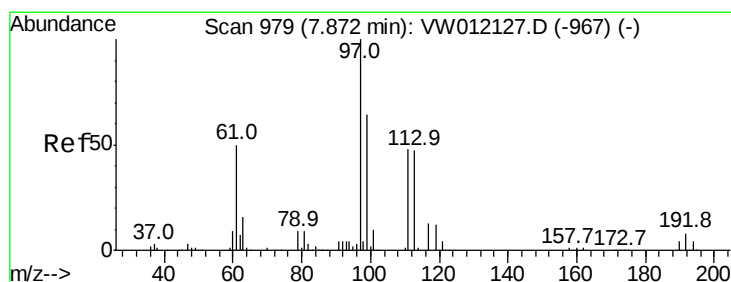
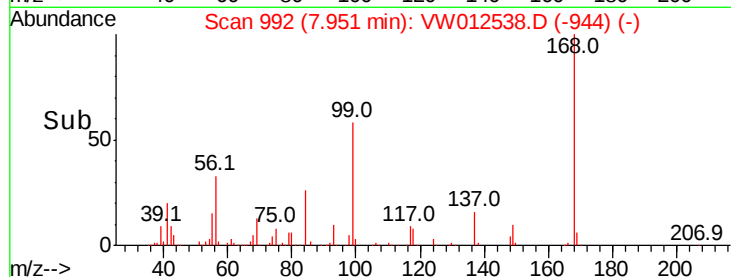
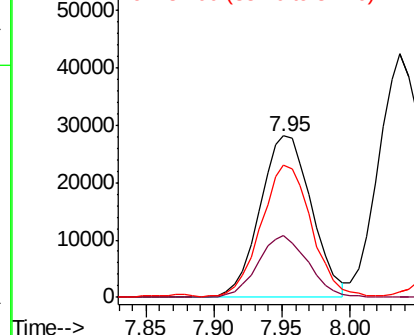
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 74539

Ion	Ratio	Lower	Upper
56	100		
69	38.7	24.9	37.3#
84	81.1	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: 20.995 ug/l

RT: 7.87 min Scan# 979

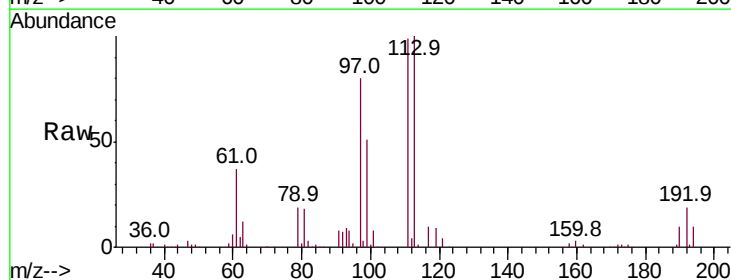
Delta R.T. -0.00 min

Lab File: VW012538.D

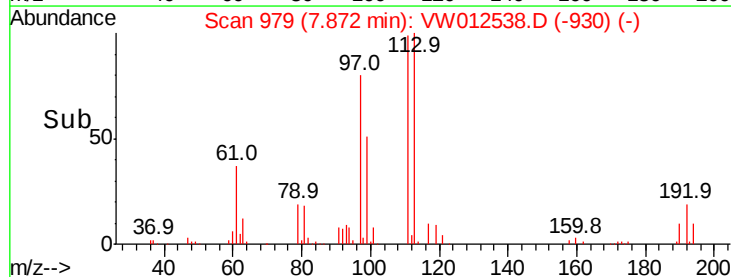
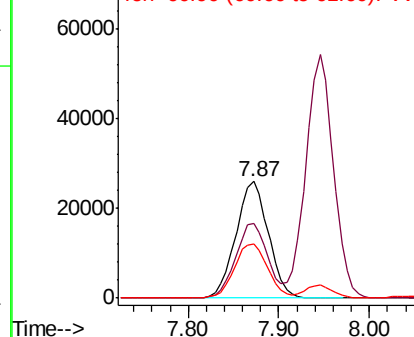
Acq: 03 Sep 2019 10:45

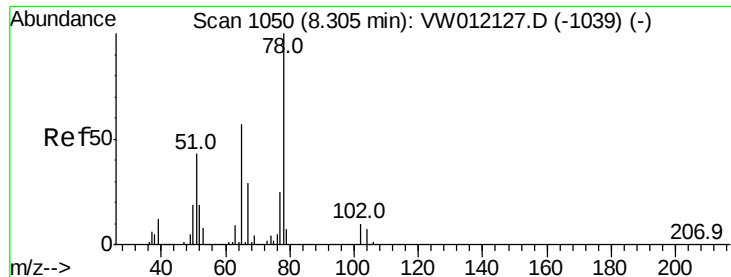
Tgt Ion: 97 Resp: 64608

Ion	Ratio	Lower	Upper
97	100		
99	63.0	51.4	77.0
61	47.9	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

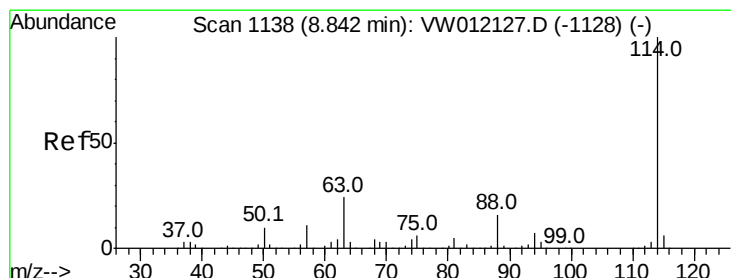
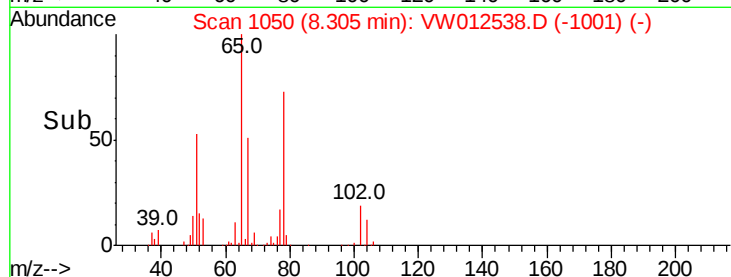
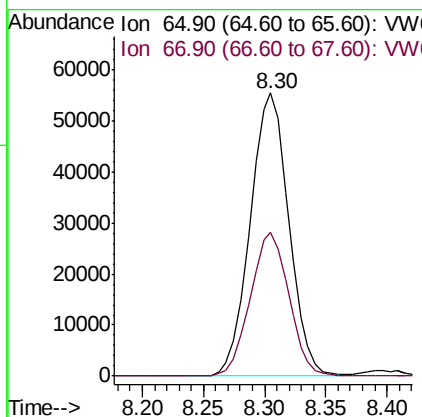
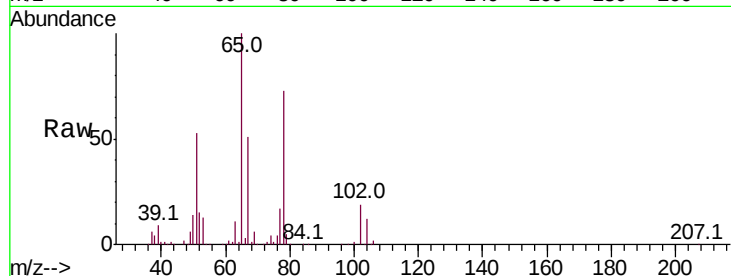




#33
 1,2-Dichloroethane-d4
 Concen: 52.073 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012538.D
 Acq: 03 Sep 2019 10:45

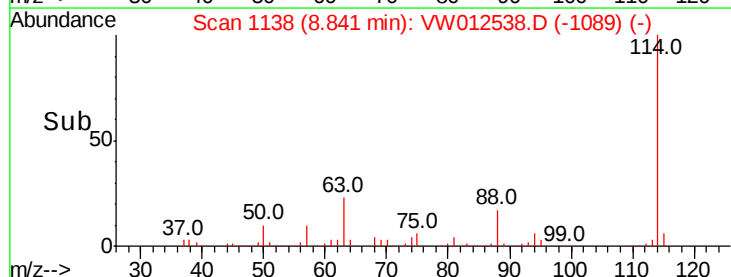
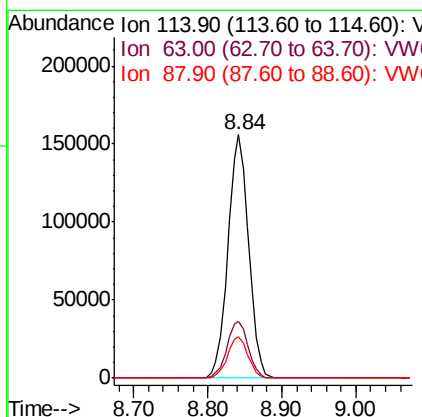
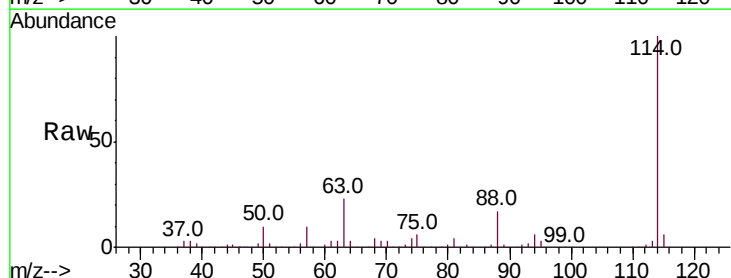
Instrument :
 MSVOA_W
 ClientSampled :

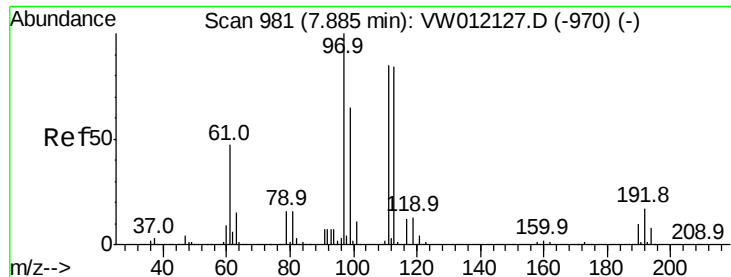
Tot Ion: 65 Resp: 121615
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012538.D
 Acq: 03 Sep 2019 10:45

Tgt Ion: 114 Resp: 301879
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 48.6
 88 17.0 0.0 32.2

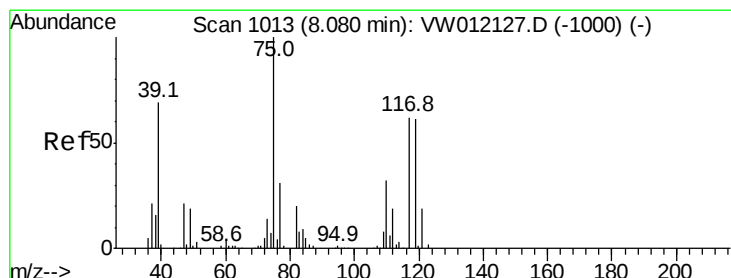
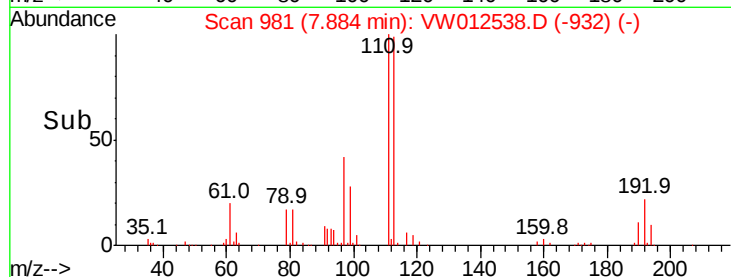
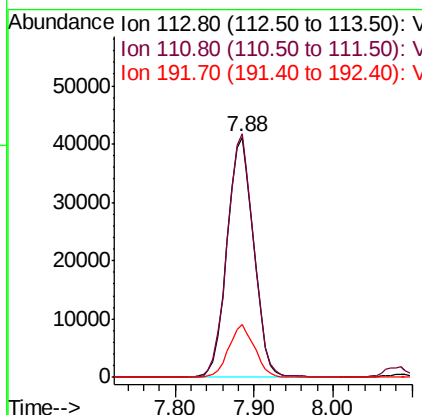
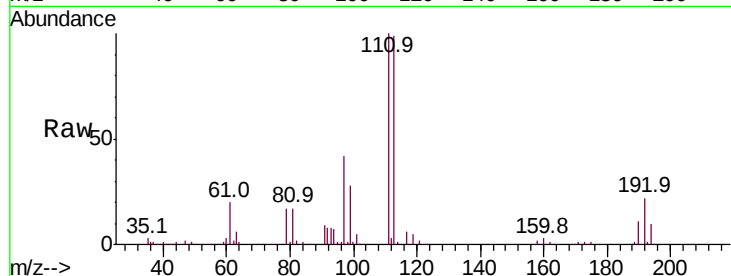




#35
 Dibromofluoromethane
 Concen: 53.592 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012538.D
 Acq: 03 Sep 2019 10:45

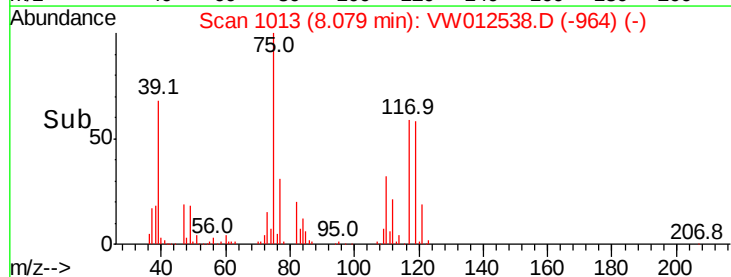
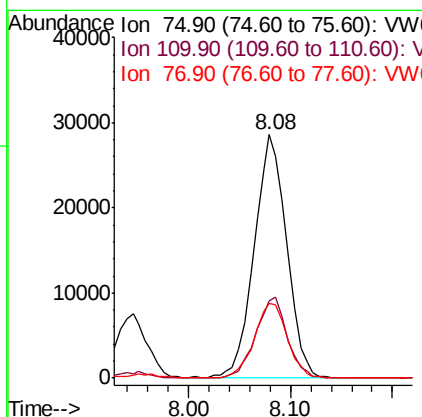
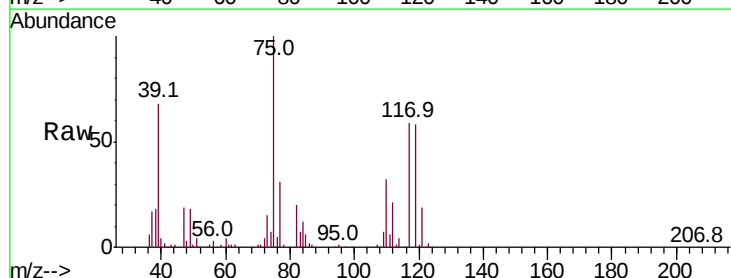
Instrument :
 MSVOA_W
 ClientSampled :

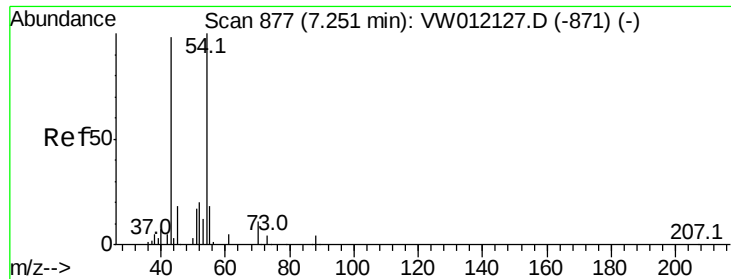
Tot Ion:113 Resp: 96568
 Ion Ratio Lower Upper
 113 100
 111 101.0 82.7 124.1
 192 21.3 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 20.214 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012538.D
 Acq: 03 Sep 2019 10:45

Tgt Ion: 75 Resp: 63060
 Ion Ratio Lower Upper
 75 100
 110 32.5 15.6 46.8
 77 31.6 24.6 36.8

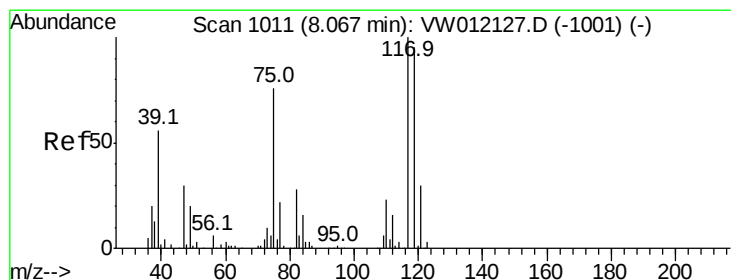
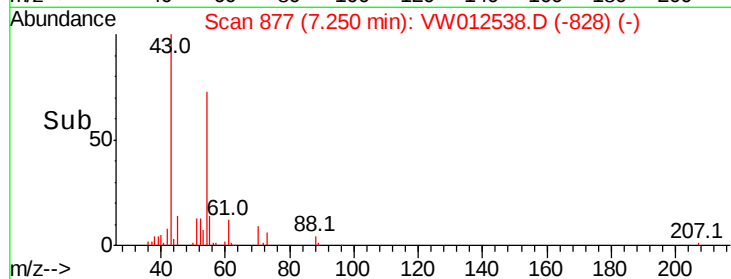
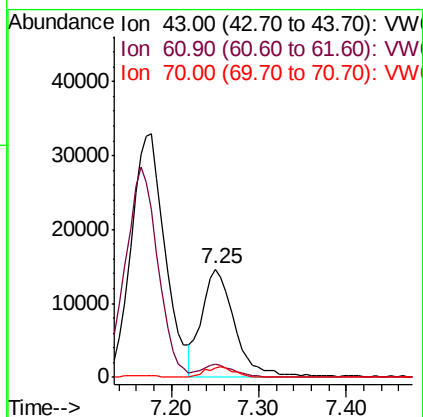
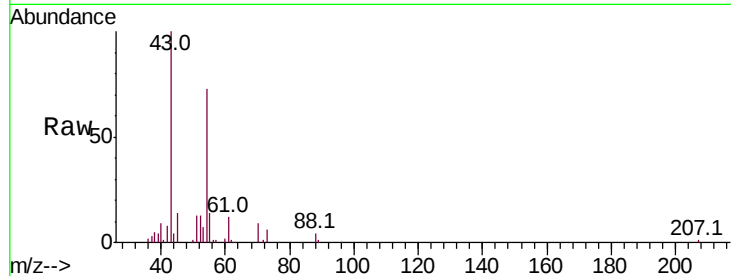




#37
Ethyl Acetate
Concen: 22.067 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012538.D
Acq: 03 Sep 2019 10:45

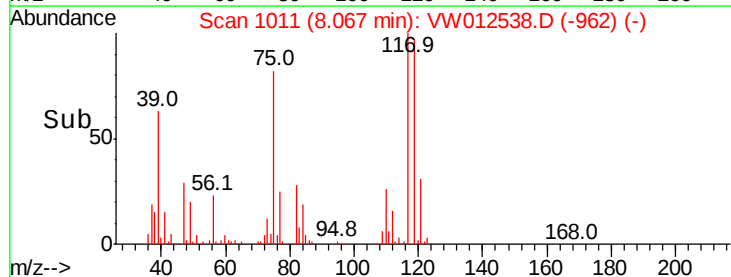
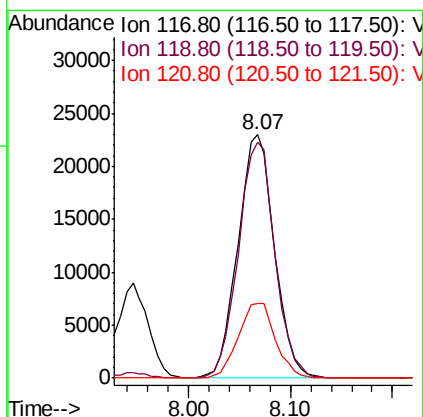
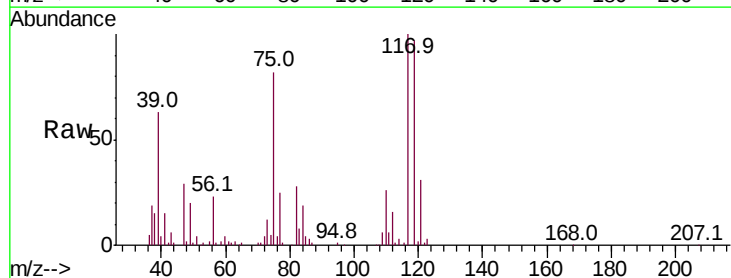
Instrument :
MSVOA_W
ClientSampleId :

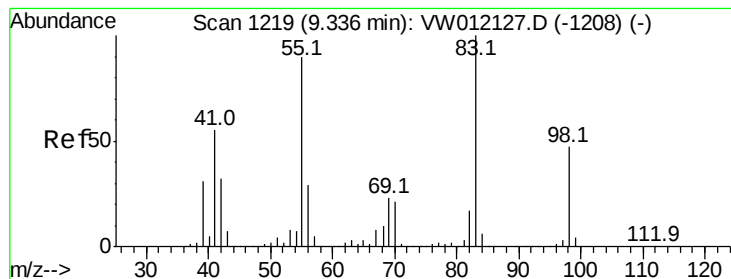
Tot Ion: 43 Resp: 37723
Ion Ratio Lower Upper
43 100
61 11.4 9.2 13.8
70 8.8 6.9 10.3



#38
Carbon Tetrachloride
Concen: 21.168 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012538.D
Acq: 03 Sep 2019 10:45

Tgt Ion: 117 Resp: 57155
Ion Ratio Lower Upper
117 100
119 96.9 76.2 114.2
121 30.6 23.8 35.8





#39

Methvlcvclohexane

Concen: 19.193 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW012538.D

Acq: 03 Sep 2019 10:45

Instrument :

MSVOA_W

ClientSampleId :

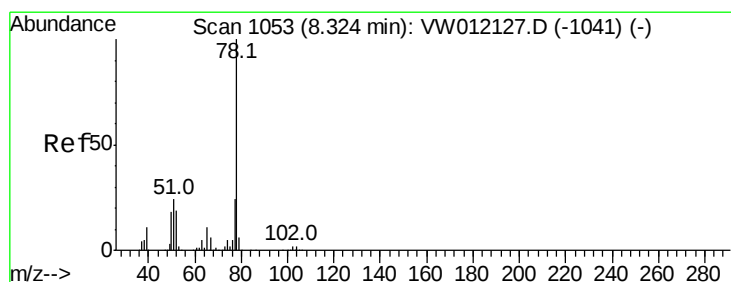
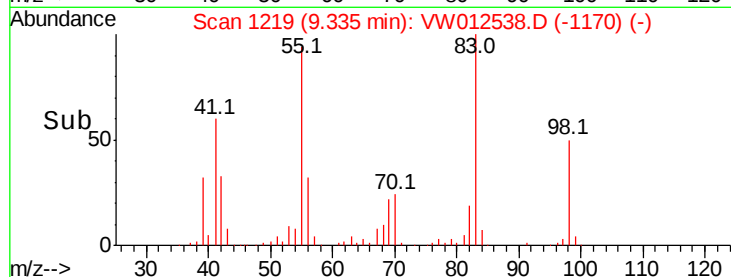
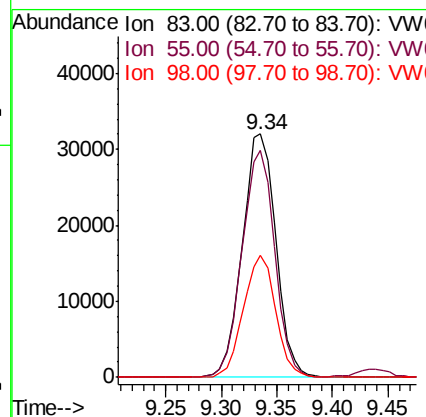
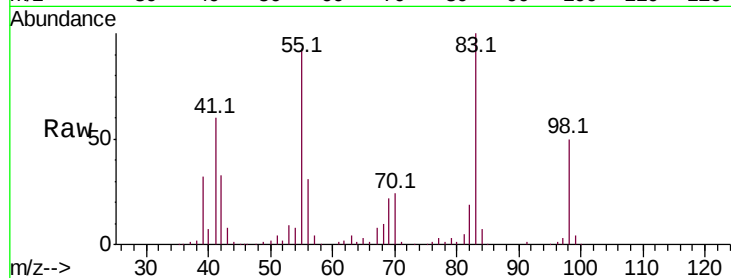
Tot Ion: 83 Resp: 67262

Ion Ratio Lower Upper

83 100

55 93.5 71.8 107.8

98 50.1 37.8 56.8



#40

Benzene

Concen: 20.130 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW012538.D

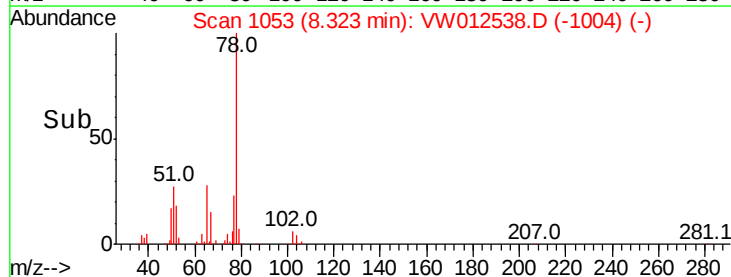
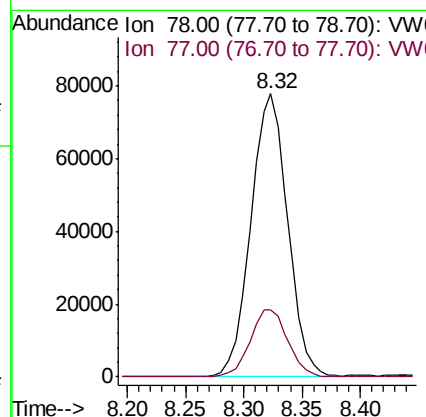
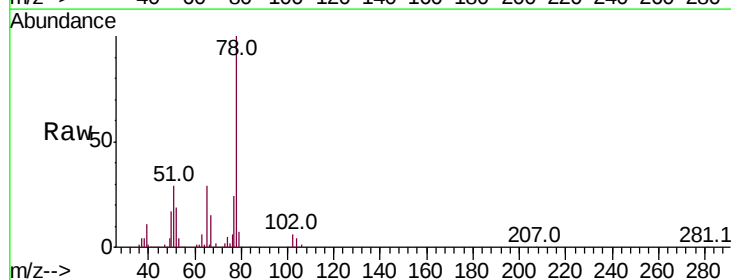
Acq: 03 Sep 2019 10:45

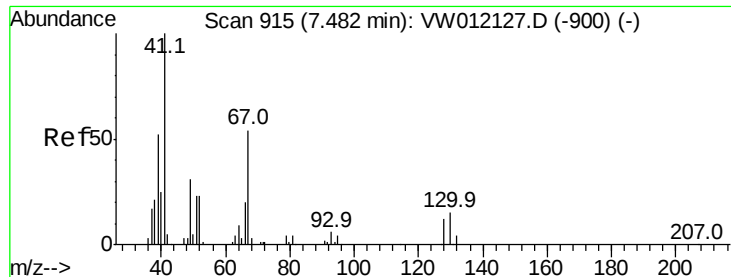
Tgt Ion: 78 Resp: 171474

Ion Ratio Lower Upper

78 100

77 23.6 19.5 29.3





#41

Methacrylonitrile

Concen: 22.240 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW012538.D

Acq: 03 Sep 2019 10:45

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 41 Resp: 22345

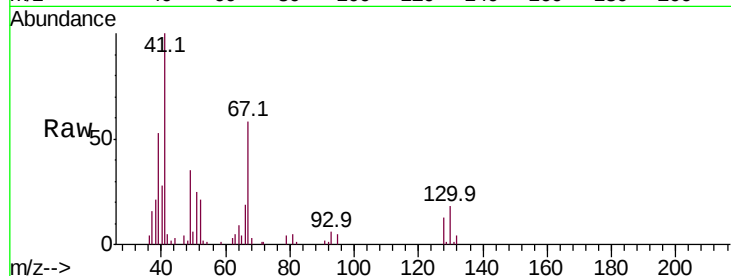
Ion Ratio Lower Upper

41 100

39 54.7 45.8 68.8

67 61.6 46.2 69.4

52 26.7 21.0 31.6

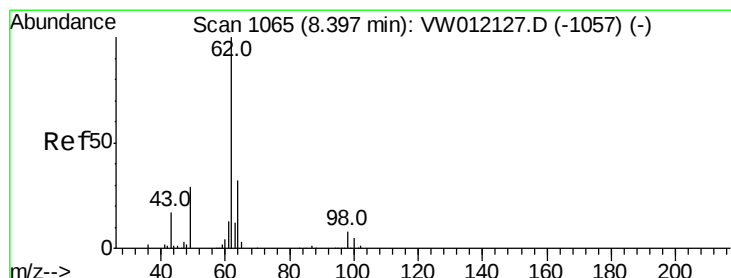
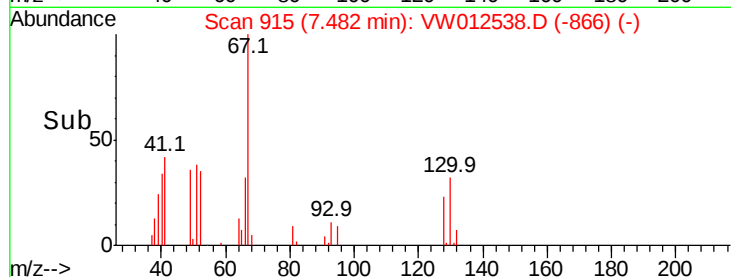
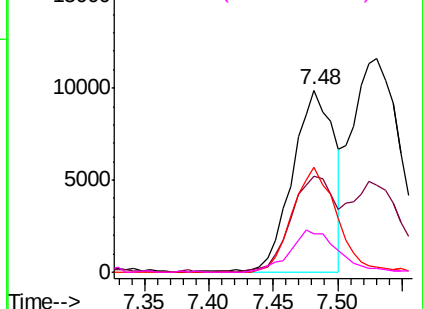


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 21.565 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW012538.D

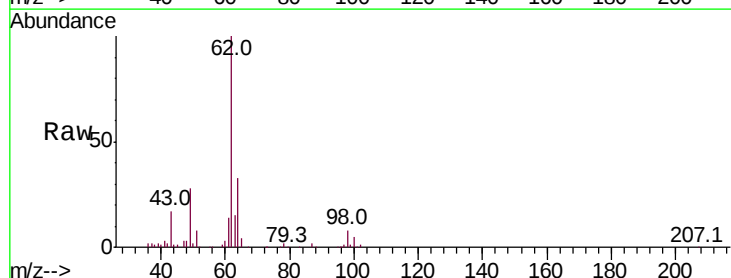
Acq: 03 Sep 2019 10:45

Tgt Ion: 62 Resp: 57573

Ion Ratio Lower Upper

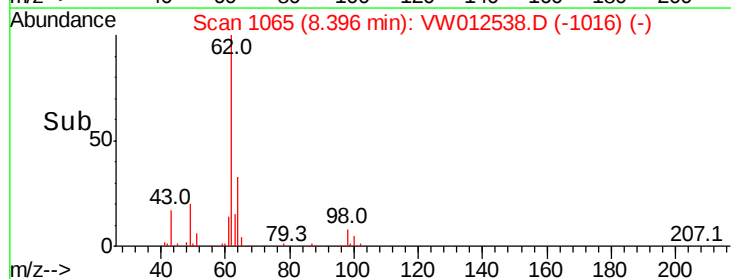
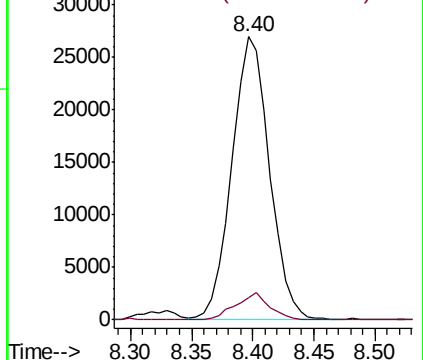
62 100

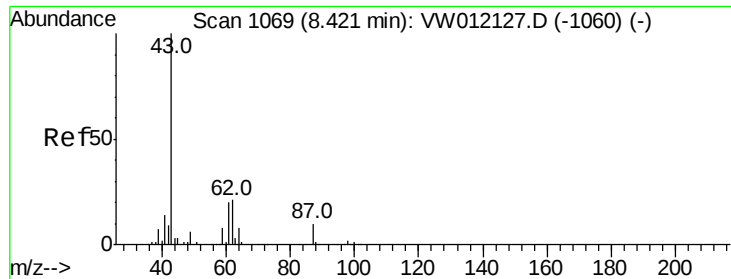
98 8.6 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 22.288 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012538.D

Acq: 03 Sep 2019 10:45

Instrument :

MSVOA_W

ClientSampleId :

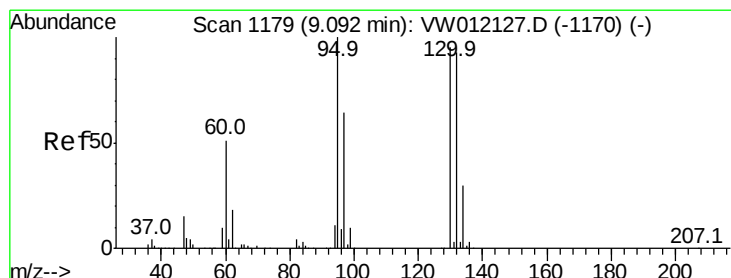
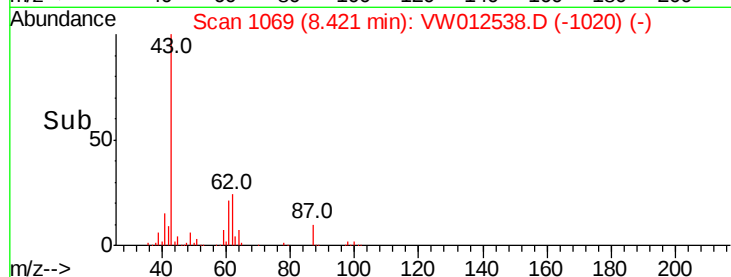
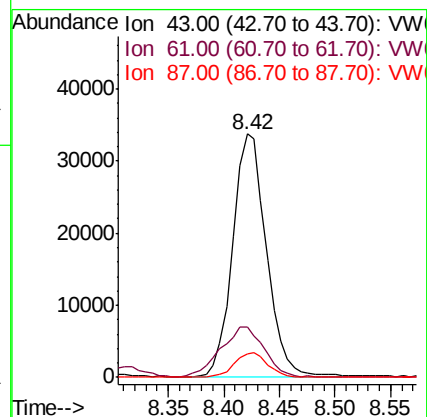
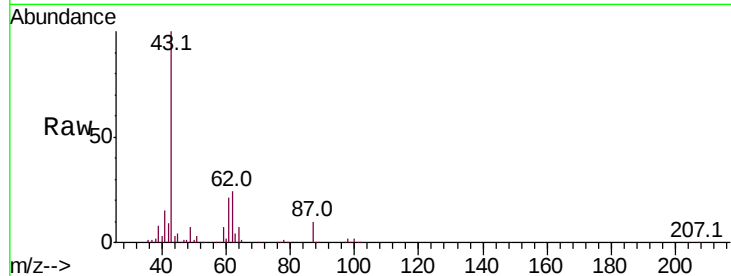
Tot Ion: 43 Resp: 70576

Ion Ratio Lower Upper

43 100

61 27.0 21.1 31.7

87 10.2 8.2 12.2



#44

Trichloroethene

Concen: 21.245 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW012538.D

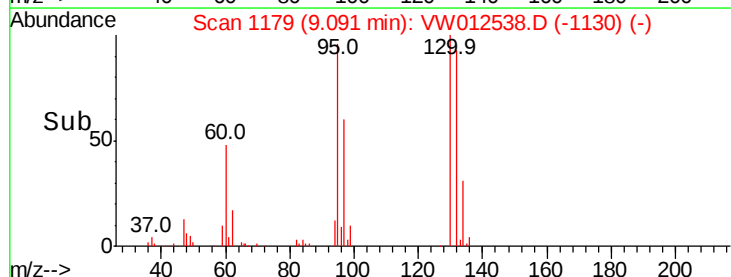
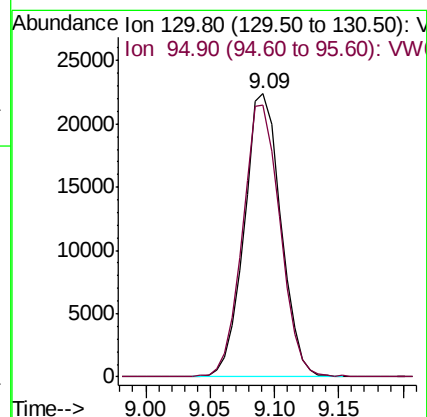
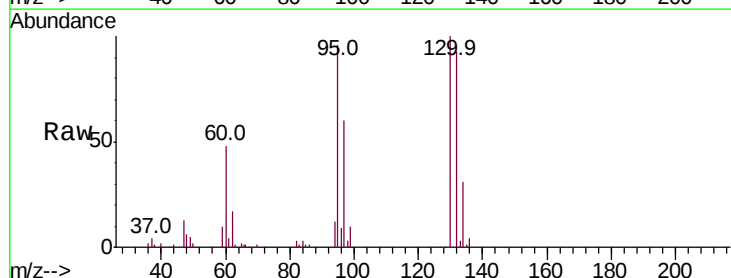
Acq: 03 Sep 2019 10:45

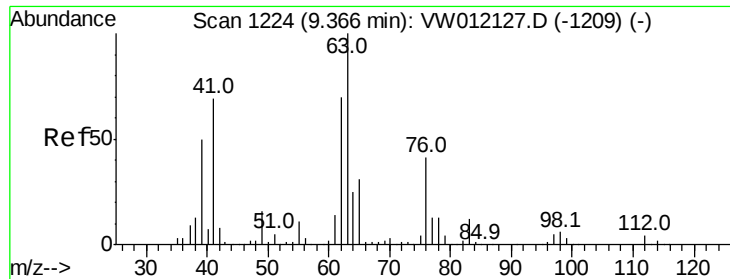
Tgt Ion: 130 Resp: 43993

Ion Ratio Lower Upper

130 100

95 96.2 0.0 210.6





#45

1,2-Dichloropropane

Concen: 20.071 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW012538.D

Acq: 03 Sep 2019 10:45

Instrument :

MSVOA_W

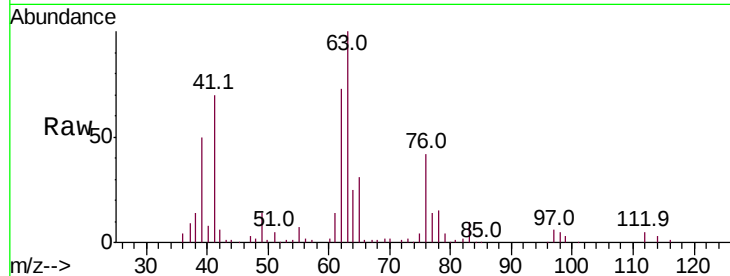
ClientSampled :

Tot Ion: 63 Resp: 46012

Ion Ratio Lower Upper

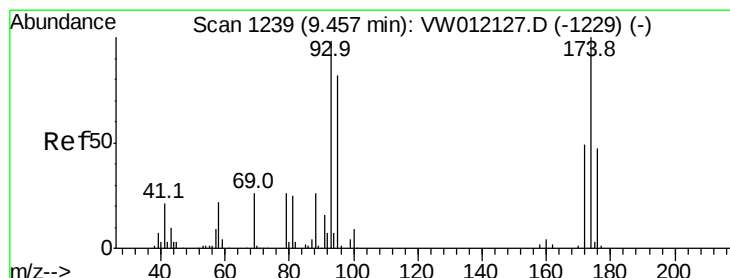
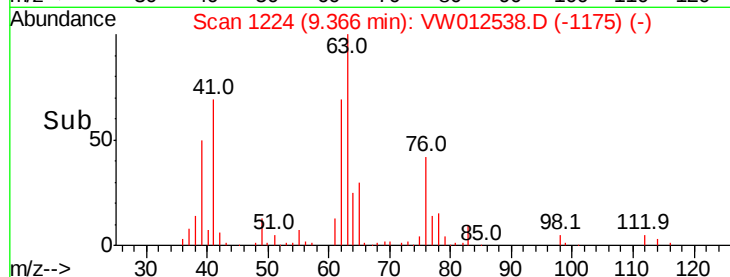
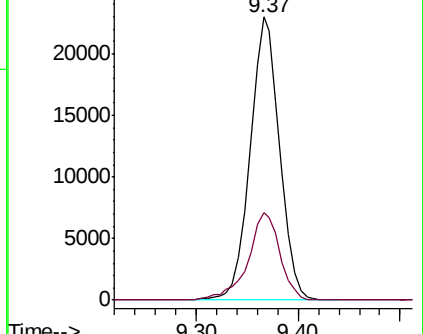
63 100

65 30.8 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: 21.400 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW012538.D

Acq: 03 Sep 2019 10:45

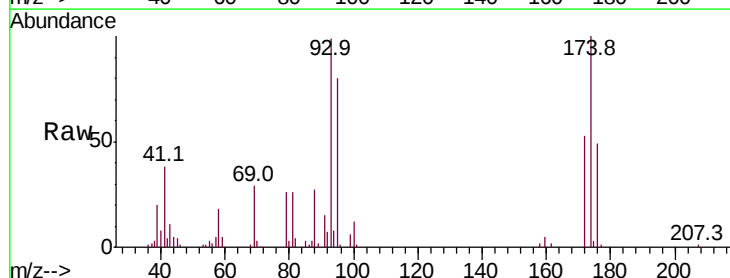
Tgt Ion: 93 Resp: 21828

Ion Ratio Lower Upper

93 100

95 82.9 67.2 100.8

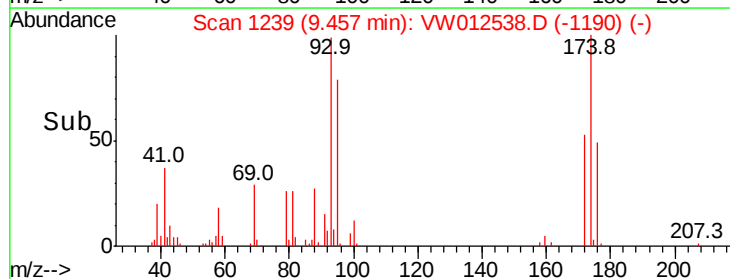
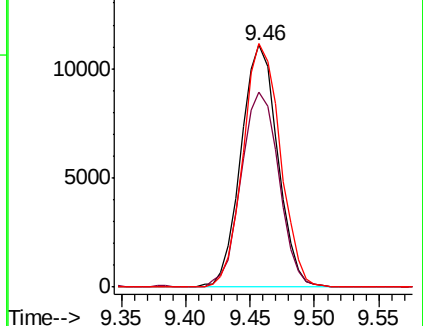
174 101.9 79.0 118.6

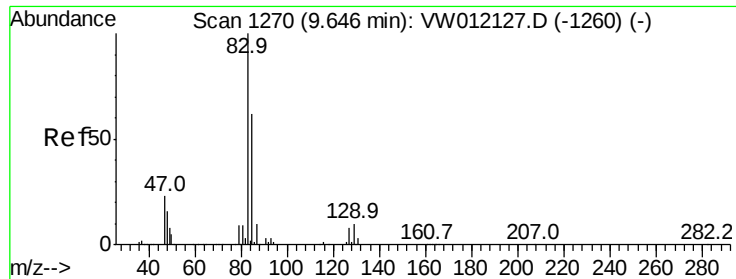


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 21.450 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW012538.D

Acq: 03 Sep 2019 10:45

Instrument :
MSVOA_W
ClientSampleId :

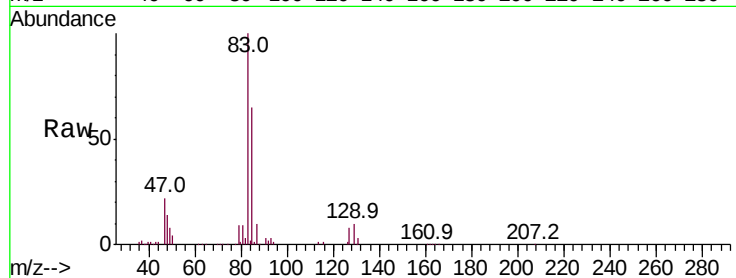
Tot Ion: 83 Resp: 58229

Ion Ratio Lower Upper

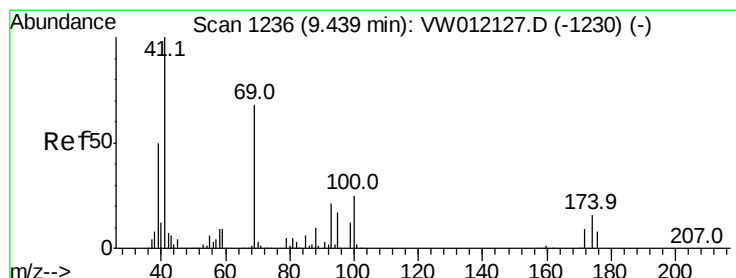
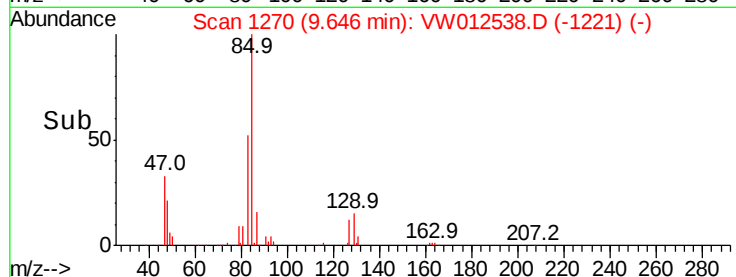
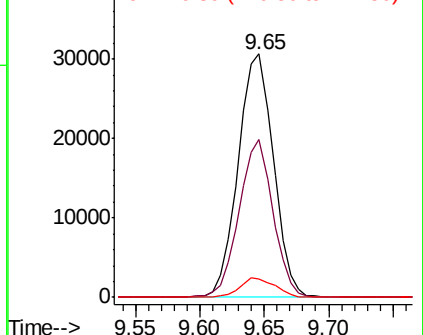
83 100

85 64.7 49.4 74.2

127 7.8 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: 21.951 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW012538.D

Acq: 03 Sep 2019 10:45

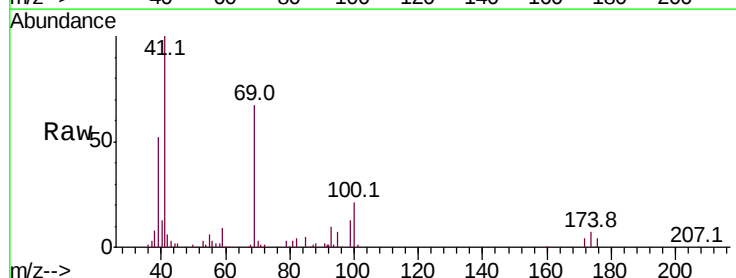
Tgt Ion: 41 Resp: 33082

Ion Ratio Lower Upper

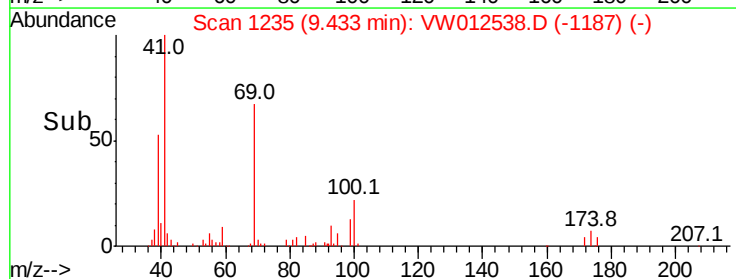
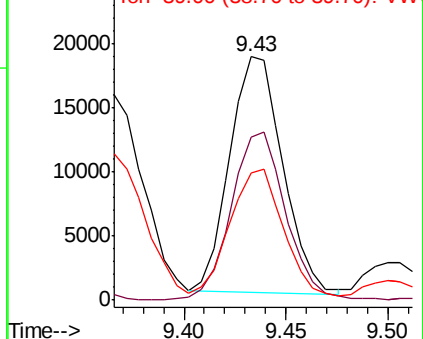
41 100

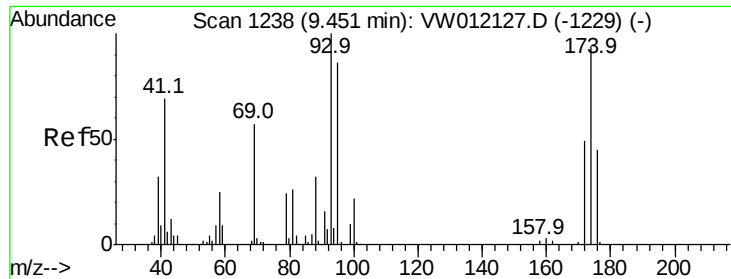
69 74.1 56.7 85.1

39 57.6 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: 488.118 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.01 min

Lab File: VW012538.D

Acq: 03 Sep 2019 10:45

Instrument :

MSVOA_W

ClientSampleId :

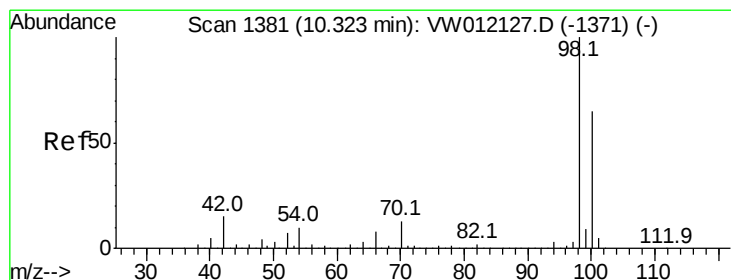
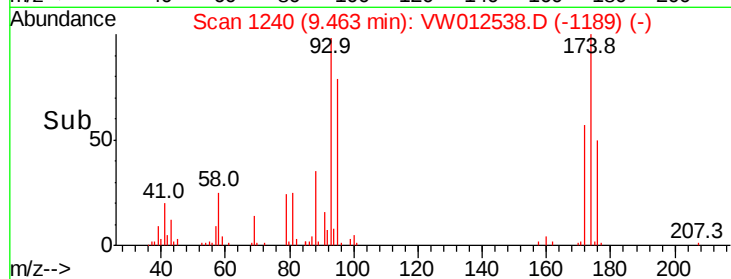
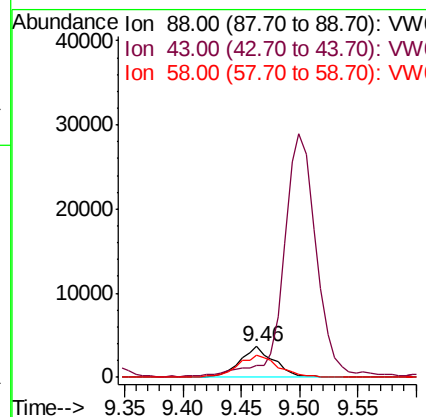
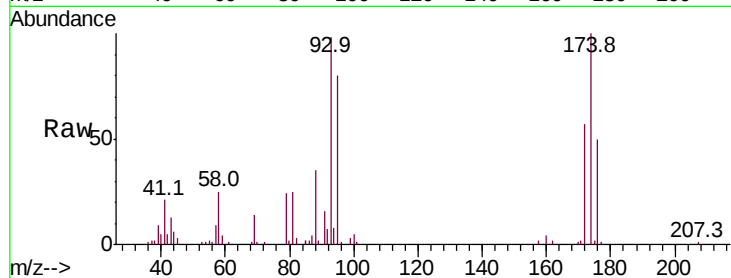
Tot Ion: 88 Resp: 7622

Ion Ratio Lower Upper

88 100

43 0.0 32.9 49.3#

58 84.4 71.0 106.4



#50

Toluene-d8

Concen: 52.458 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012538.D

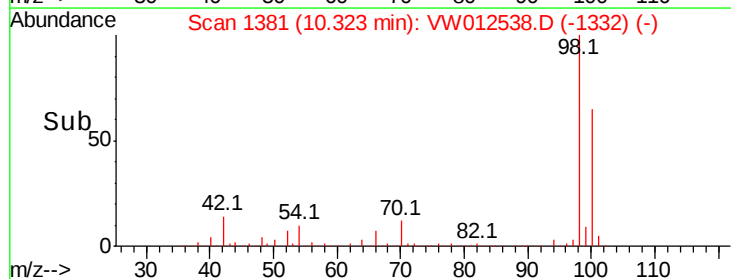
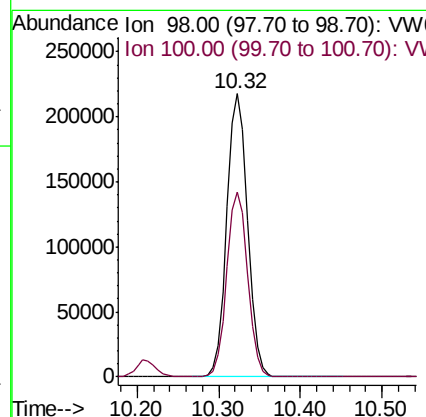
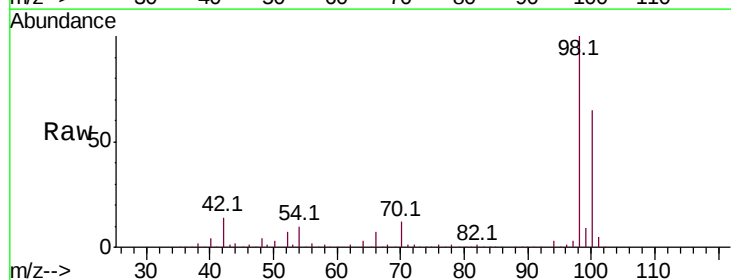
Acq: 03 Sep 2019 10:45

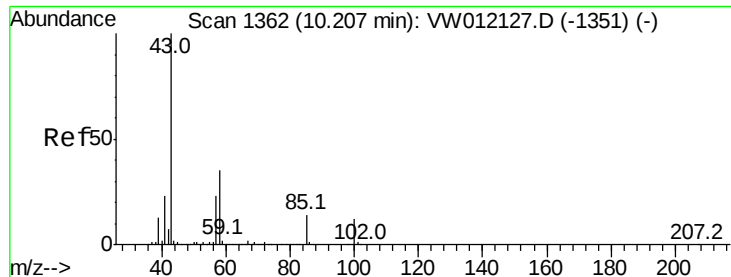
Tgt Ion: 98 Resp: 383276

Ion Ratio Lower Upper

98 100

100 65.5 52.4 78.6

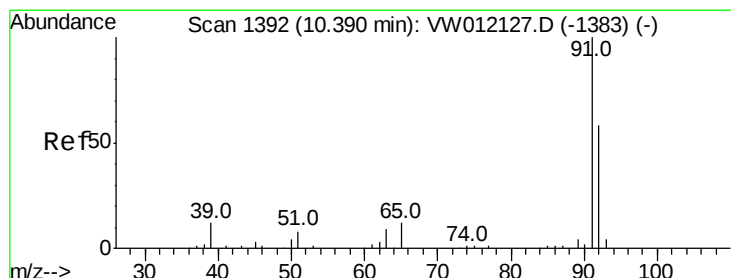
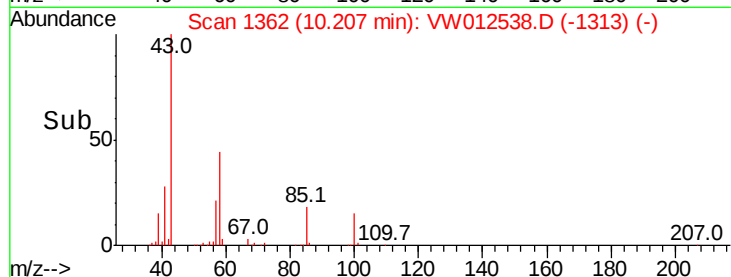
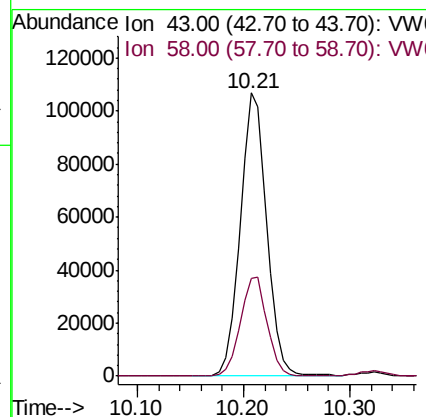
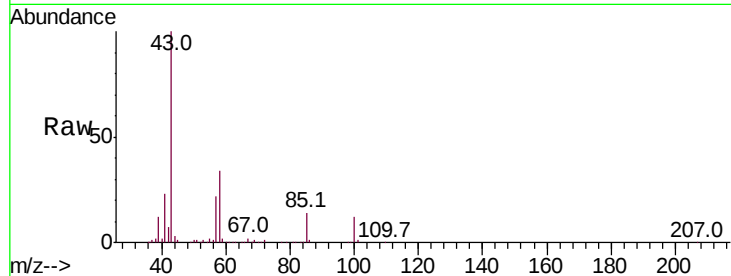




#51
4-Methyl-2-Pentanone
Concen: 115.393 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW012538.D
Acq: 03 Sep 2019 10:45

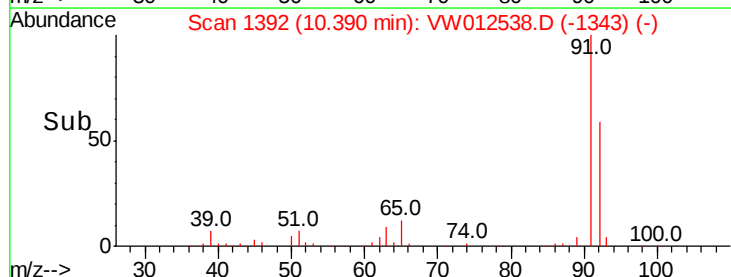
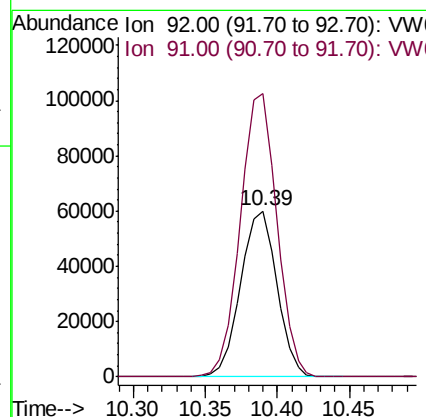
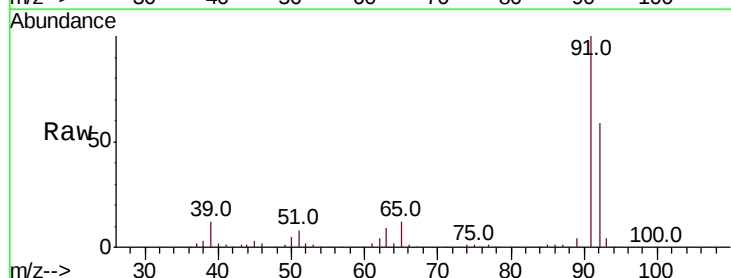
Instrument :
MSVOA_W
ClientSampleId :

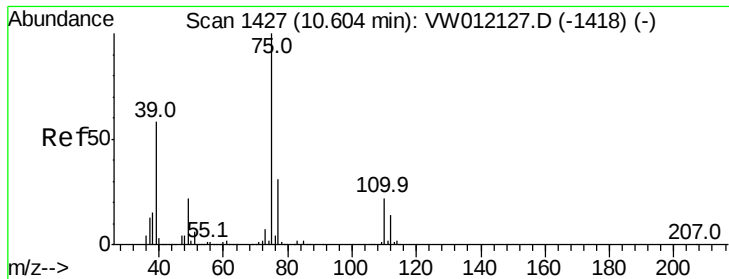
Tot Ion: 43 Resp: 185849
Ion Ratio Lower Upper
43 100
58 35.5 28.2 42.2



#52
Toluene
Concen: 20.640 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW012538.D
Acq: 03 Sep 2019 10:45

Tgt Ion: 92 Resp: 105621
Ion Ratio Lower Upper
92 100
91 171.5 136.6 204.8





#53

t-1,3-Dichloropropene

Concen: 20.852 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012538.D

Acq: 03 Sep 2019 10:45

Instrument :

MSVOA_W

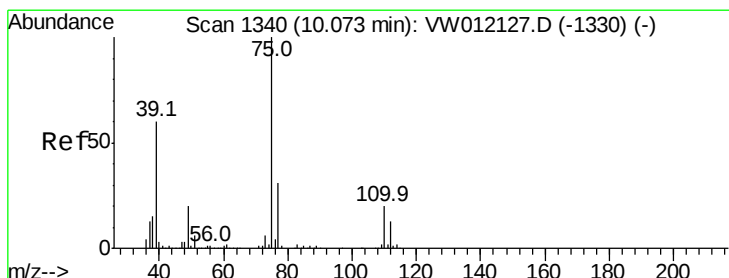
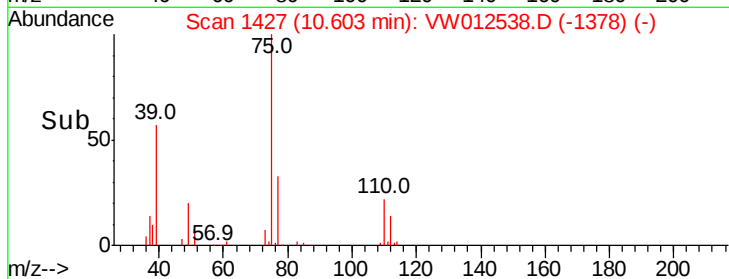
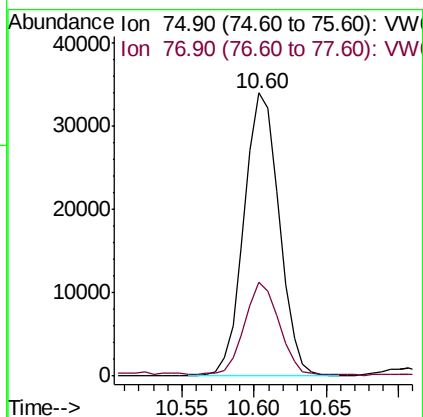
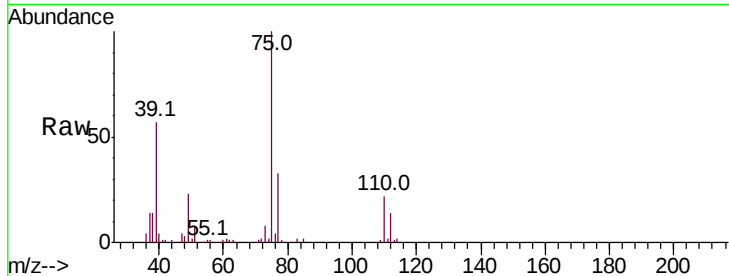
ClientSampleId :

Tot Ion: 75 Resp: 57661

Ion Ratio Lower Upper

75 100

77 32.7 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 20.622 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012538.D

Acq: 03 Sep 2019 10:45

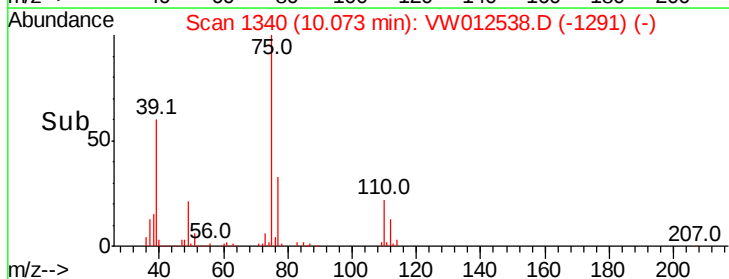
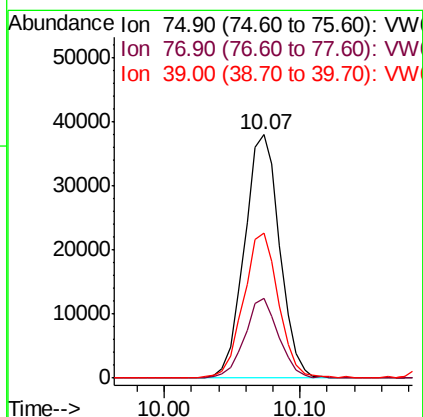
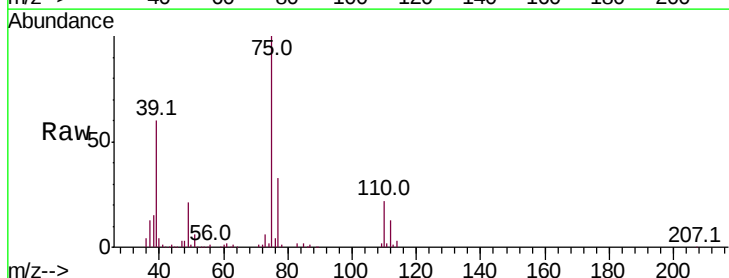
Tgt Ion: 75 Resp: 68854

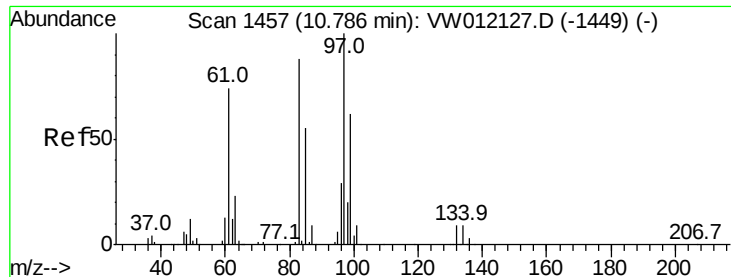
Ion Ratio Lower Upper

75 100

77 32.8 25.1 37.7

39 59.8 48.3 72.5





#55

1,1,2-Trichloroethane

Concen: 22.214 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW012538.D

Acq: 03 Sep 2019 10:45

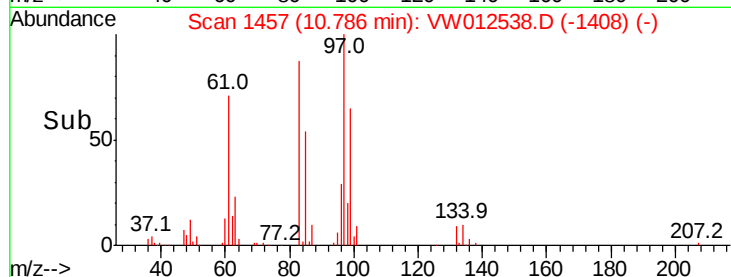
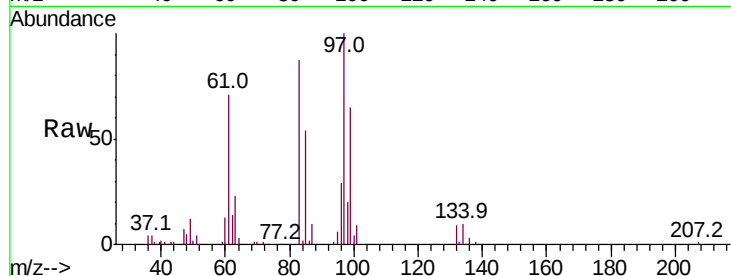
Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 97 Resp: 32059

Ion	Ratio	Lower	Upper
97	100		
83	86.6	70.8	106.2
85	54.3	43.8	65.8
99	64.9	49.8	74.6



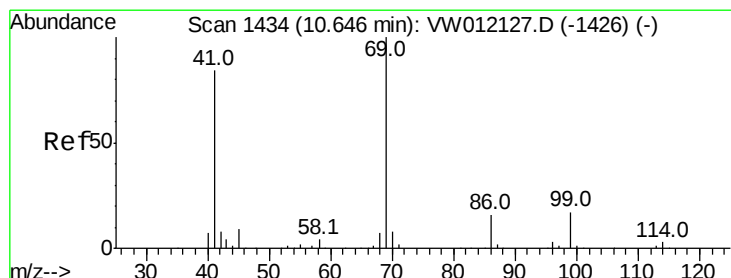
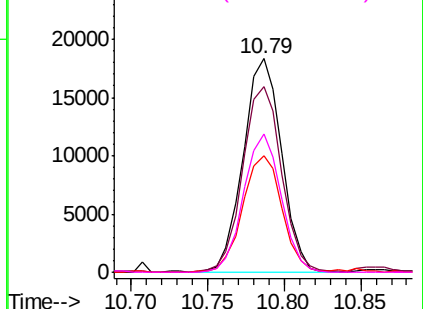
Abundance

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: 22.231 ug/l

RT: 10.65 min Scan# 1434

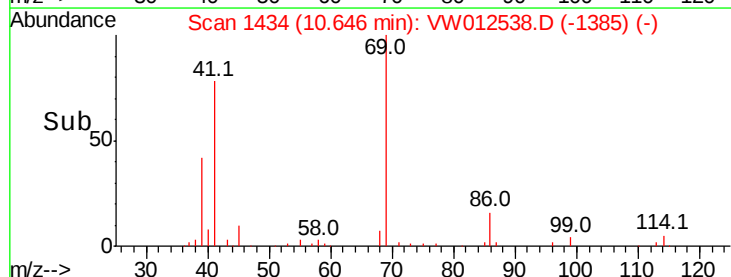
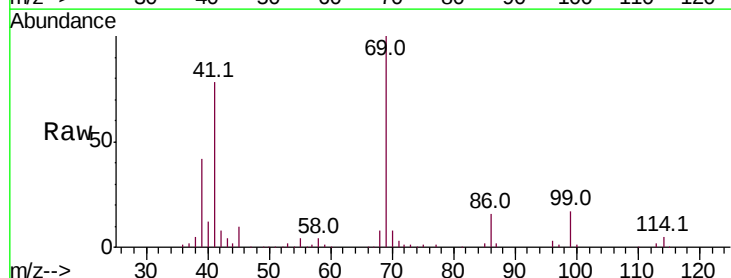
Delta R.T. -0.00 min

Lab File: VW012538.D

Acq: 03 Sep 2019 10:45

Tgt Ion: 69 Resp: 46695

Ion	Ratio	Lower	Upper
69	100		
41	81.3	66.5	99.7
39	37.7	31.0	46.4

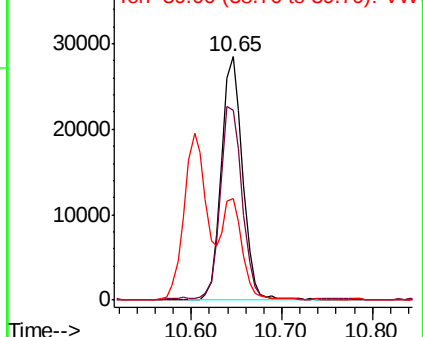


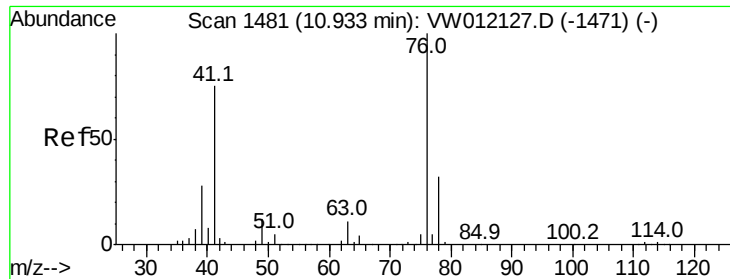
Abundance

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: 21.868 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

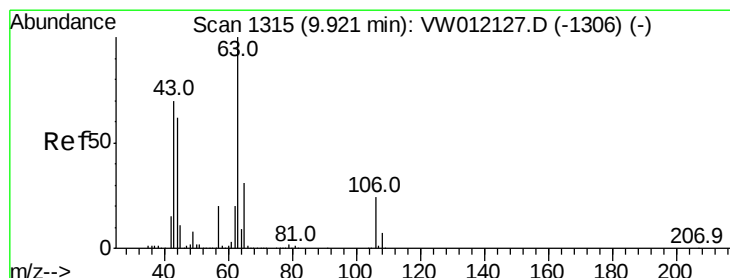
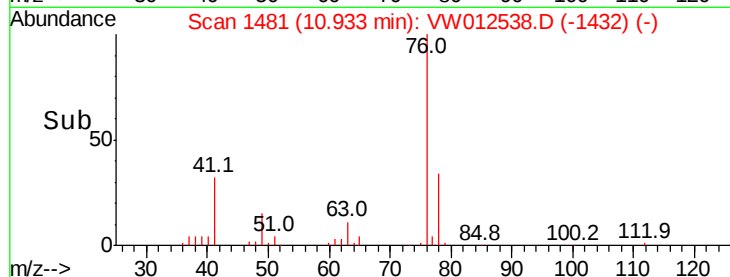
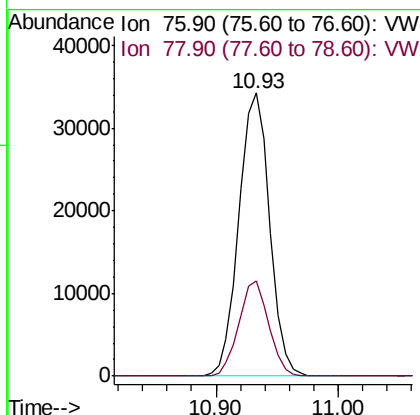
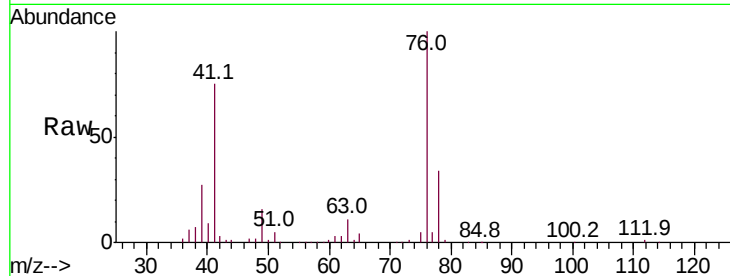
Lab File: VW012538.D

Acq: 03 Sep 2019 10:45

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 76 Resp: 59639

Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.8	38.8



#58

2-Chloroethyl Vinyl ether

Concen: 110.644 ug/l

RT: 9.92 min Scan# 1315

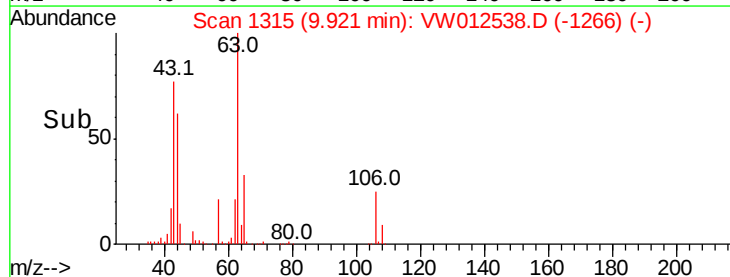
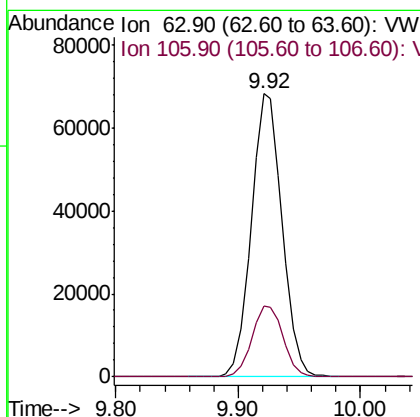
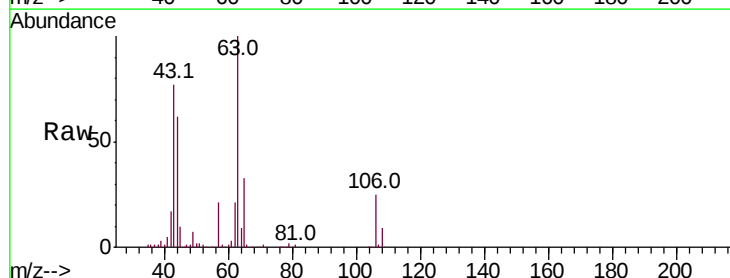
Delta R.T. -0.00 min

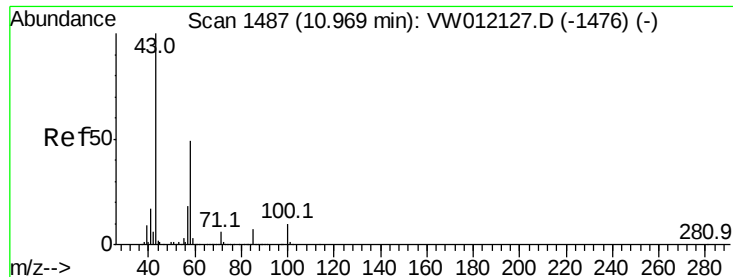
Lab File: VW012538.D

Acq: 03 Sep 2019 10:45

Tgt Ion: 63 Resp: 119272

Ion	Ratio	Lower	Upper
63	100		
106	25.5	19.8	29.8

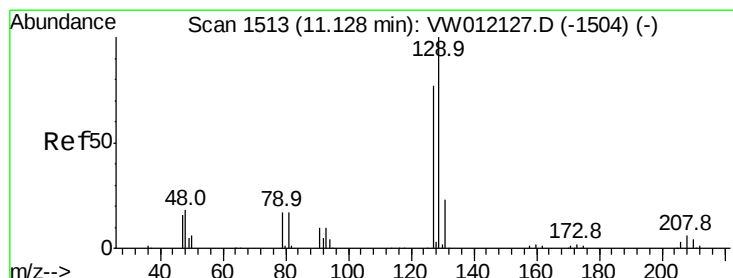
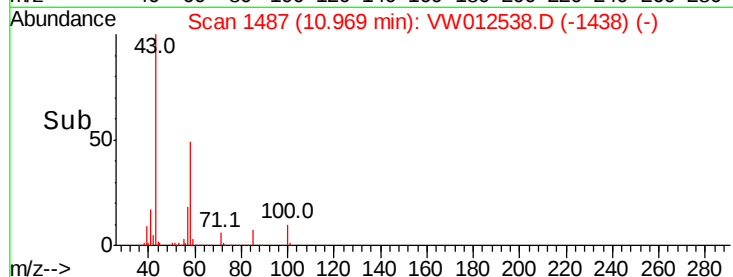
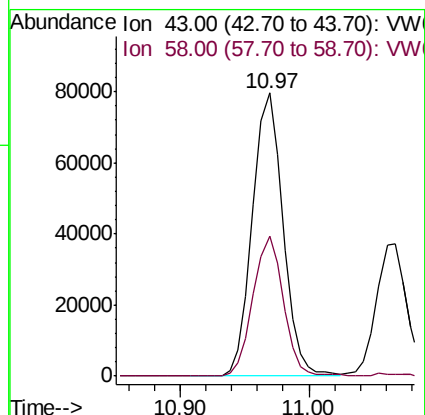
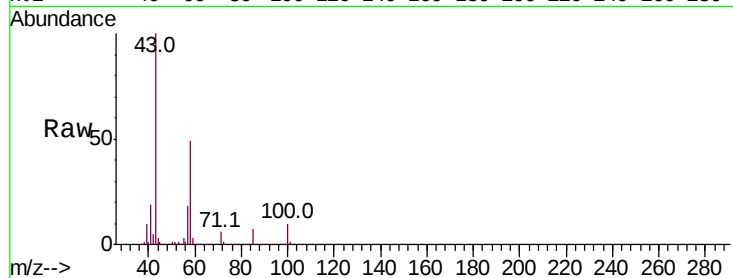




#59
2-Hexanone
Concen: 115.076 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012538.D
Acq: 03 Sep 2019 10:45

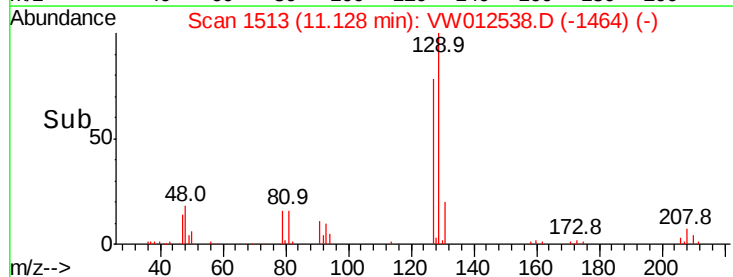
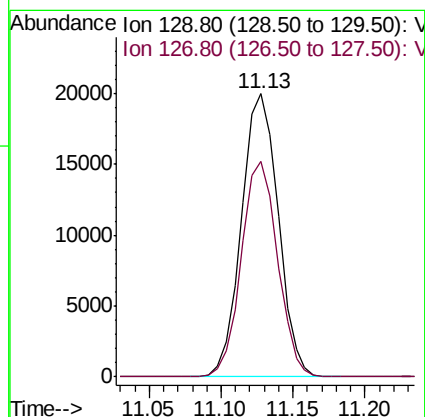
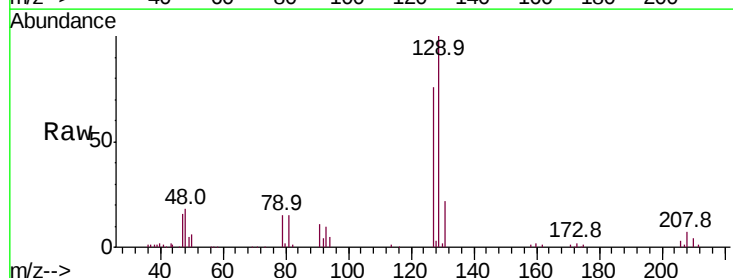
Instrument :
MSVOA_W
ClientSampled :

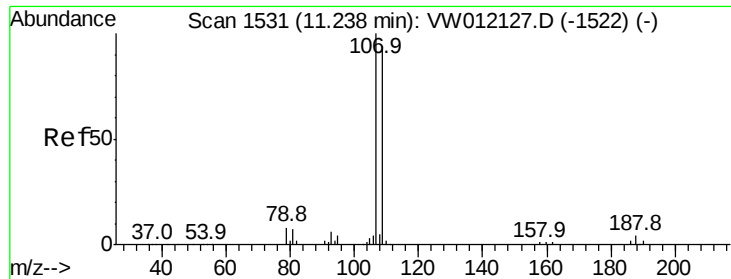
Tot Ion: 43 Resp: 131139
Ion Ratio Lower Upper
43 100
58 49.1 24.3 72.9



#60
Dibromochloromethane
Concen: 22.014 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012538.D
Acq: 03 Sep 2019 10:45

Tgt Ion: 129 Resp: 35387
Ion Ratio Lower Upper
129 100
127 75.0 38.6 115.8

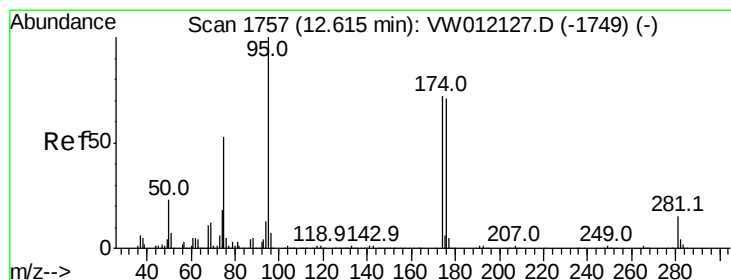
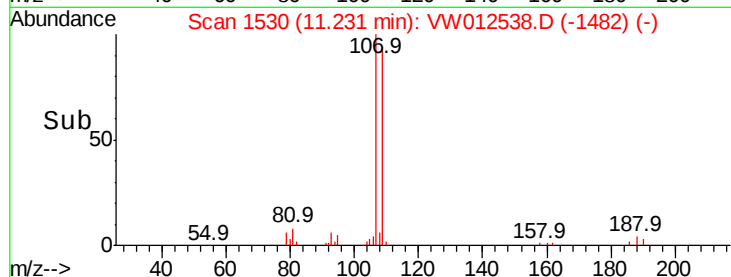
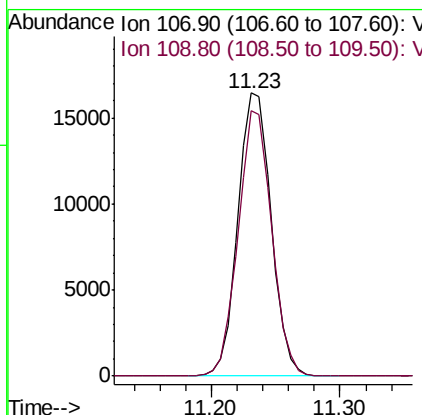
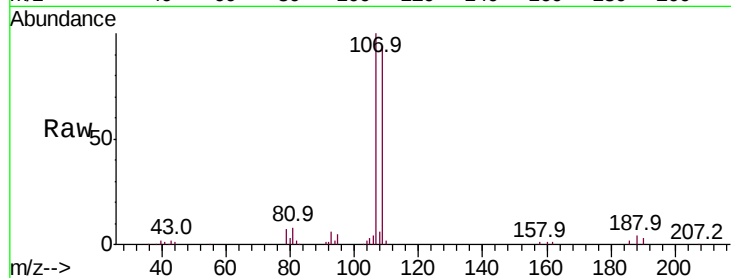




#61
 1,2-Dibromoethane
 Concen: 21.857 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW012538.D
 Acq: 03 Sep 2019 10:45

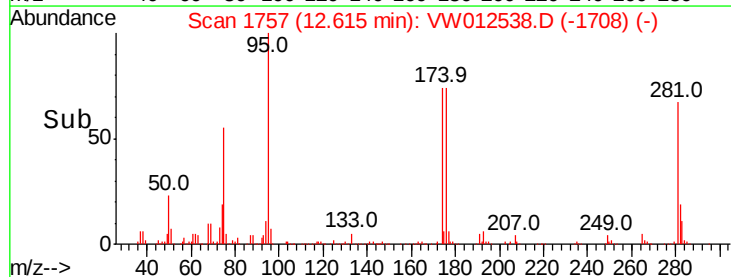
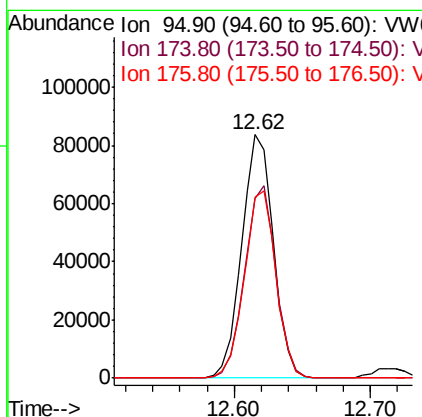
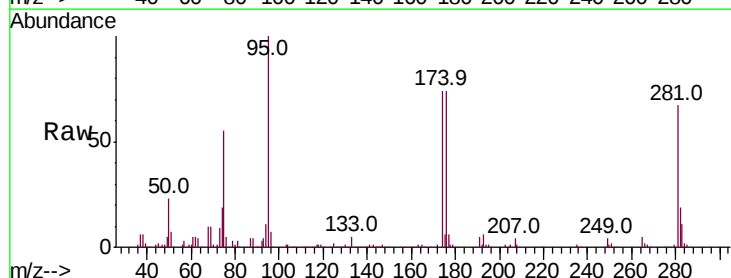
Instrument :
 MSVOA_W
 ClientSampleId :

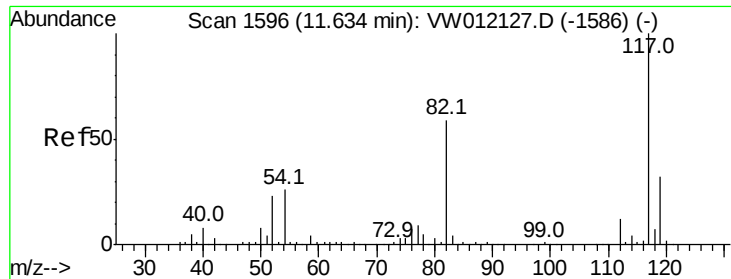
Tot Ion:107 Resp: 29387
 Ion Ratio Lower Upper
 107 100
 109 94.3 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 52.812 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012538.D
 Acq: 03 Sep 2019 10:45

Tgt Ion: 95 Resp: 136016
 Ion Ratio Lower Upper
 95 100
 174 78.4 0.0 150.8
 176 76.9 0.0 148.6

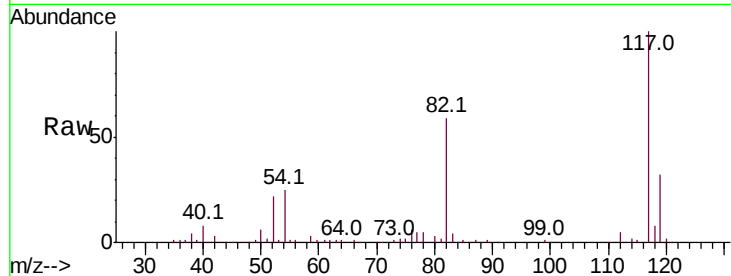




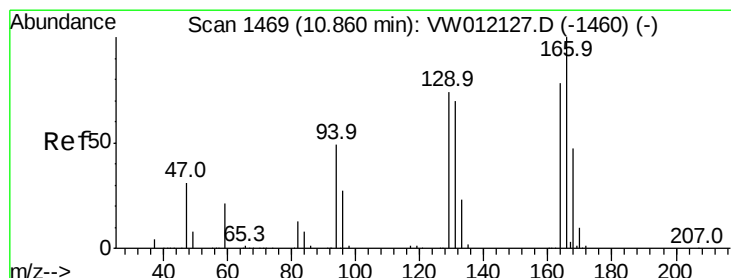
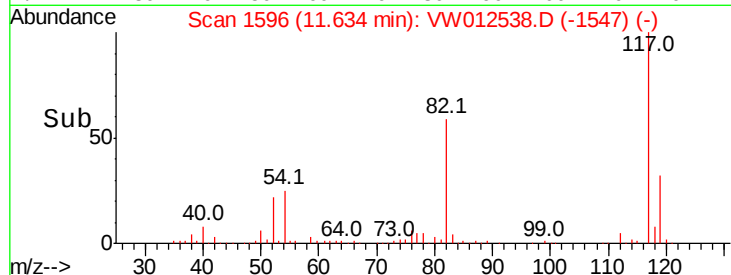
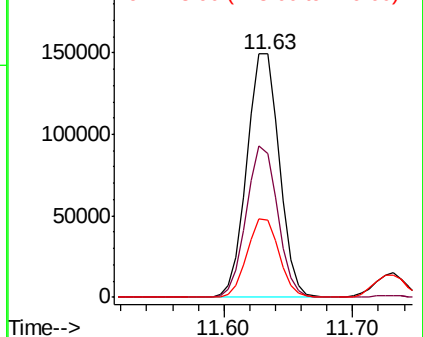
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012538.D
Acq: 03 Sep 2019 10:45

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 258950
Ion Ratio Lower Upper
117 100
82 59.1 47.4 71.2
119 31.8 25.4 38.2

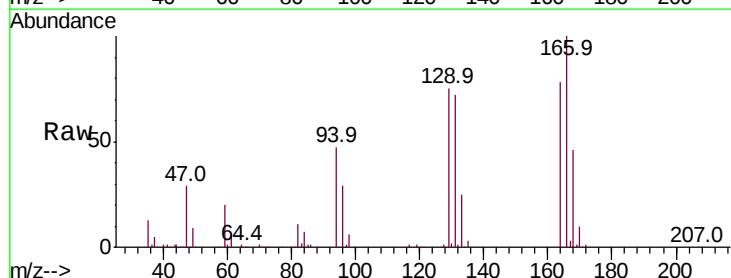


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VV
Ion 118.90 (118.60 to 119.60): V

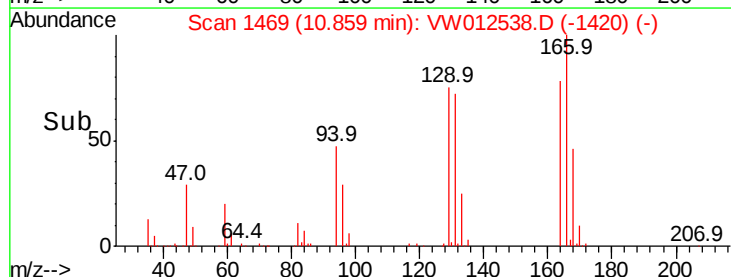
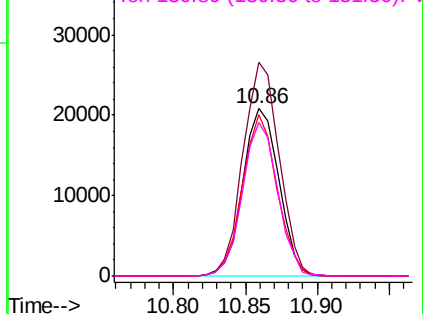


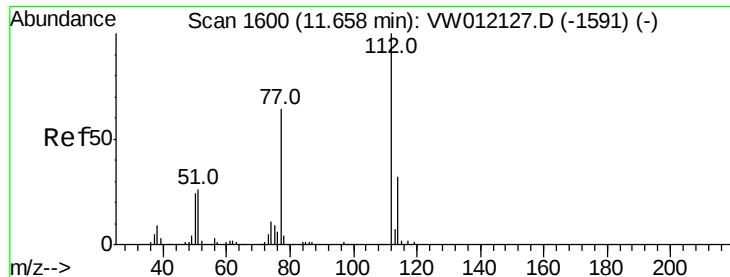
#64
Tetrachloroethene
Concen: 21.519 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012538.D
Acq: 03 Sep 2019 10:45

Tgt Ion:164 Resp: 36127
Ion Ratio Lower Upper
164 100
166 127.7 102.4 153.6
129 96.2 75.8 113.6
131 91.7 71.4 107.2



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

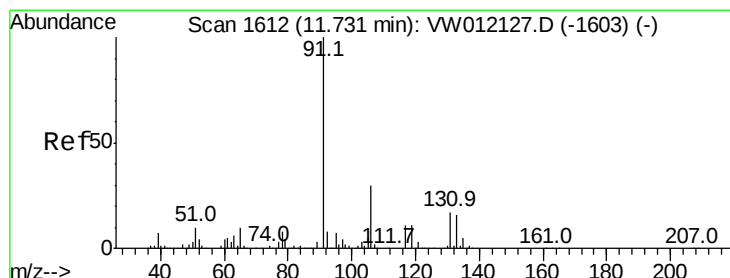
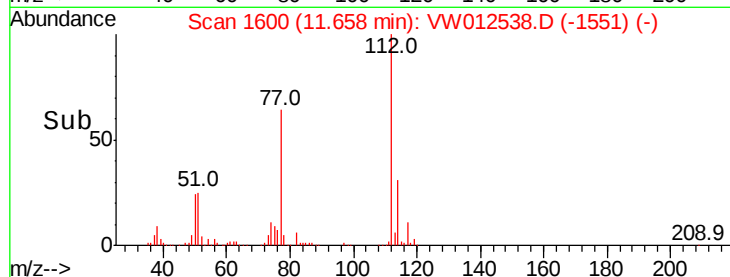
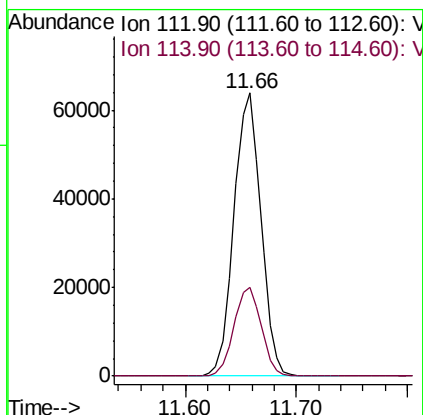
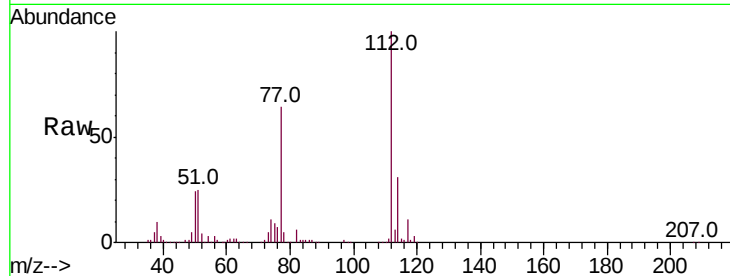




#65
Chlorobenzene
Concen: 21.033 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012538.D
Acq: 03 Sep 2019 10:45

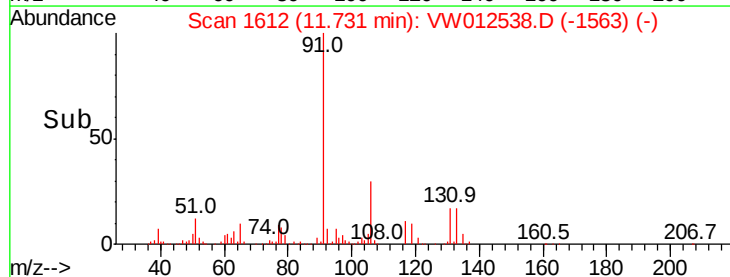
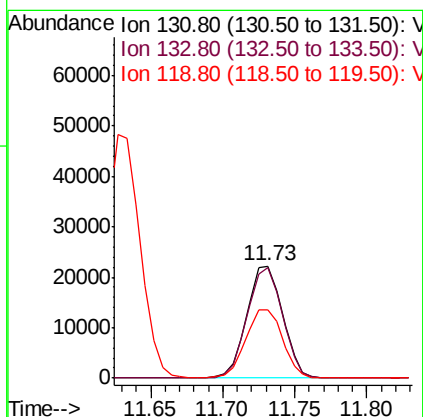
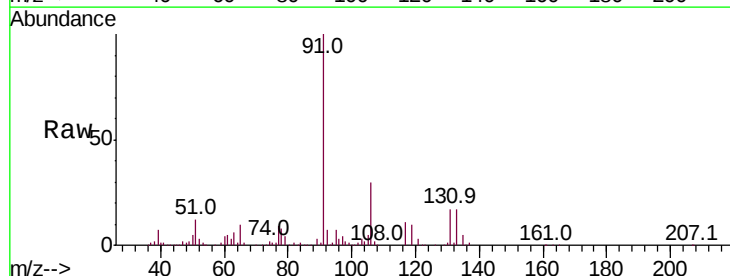
Instrument :
MSVOA_W
ClientSampleId :

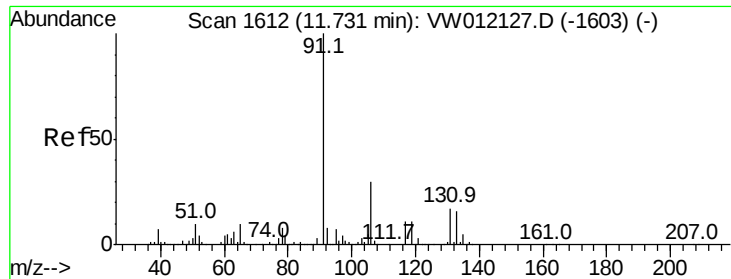
Tot Ion:112 Resp: 107247
Ion Ratio Lower Upper
112 100
114 31.3 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 21.512 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012538.D
Acq: 03 Sep 2019 10:45

Tgt Ion:131 Resp: 38266
Ion Ratio Lower Upper
131 100
133 96.7 47.1 141.3
119 63.1 31.8 95.3

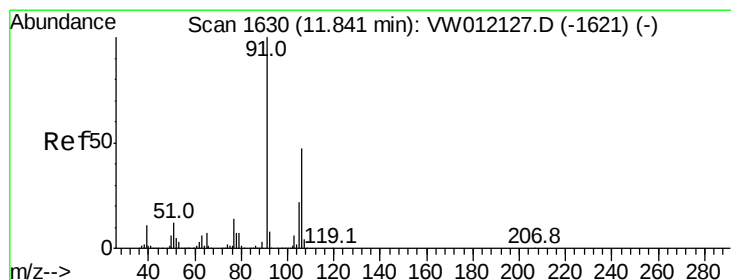
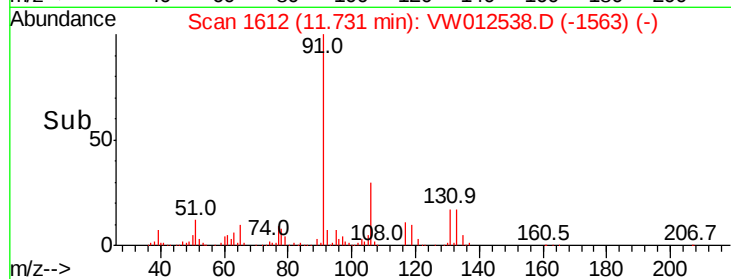
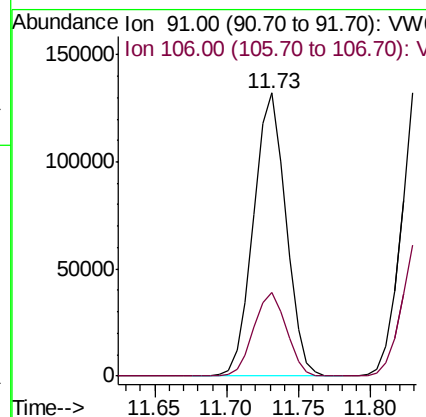
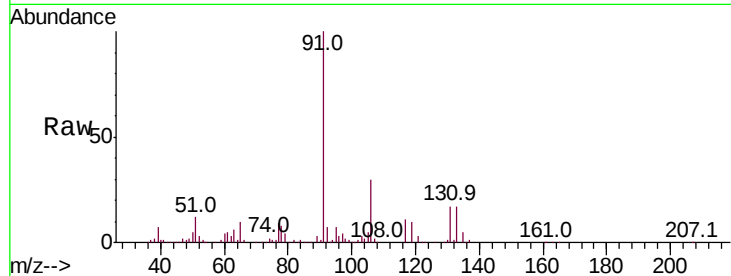




#67
Ethyl Benzene
Concen: 20.946 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012538.D
Acq: 03 Sep 2019 10:45

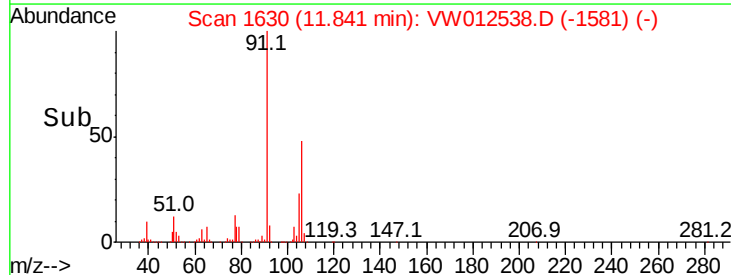
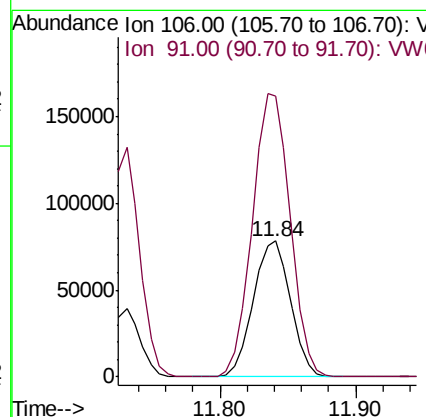
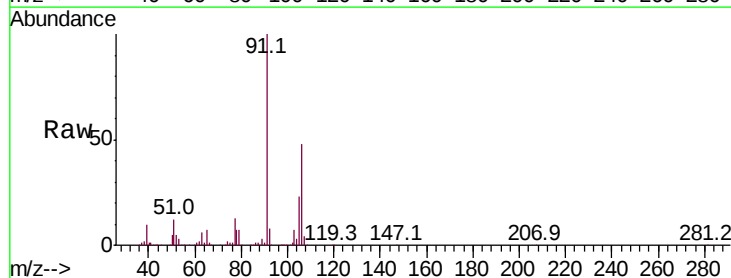
Instrument :
MSVOA_W
ClientSampleId :

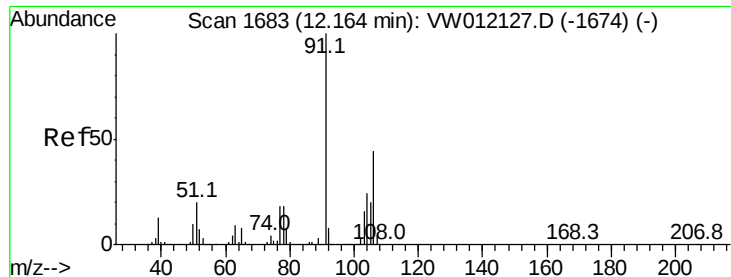
Tot Ion: 91 Resp: 205738
Ion Ratio Lower Upper
91 100
106 29.8 24.3 36.5



#68
m/p-Xylenes
Concen: 42.449 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012538.D
Acq: 03 Sep 2019 10:45

Tgt Ion: 106 Resp: 150188
Ion Ratio Lower Upper
106 100
91 210.9 169.5 254.3

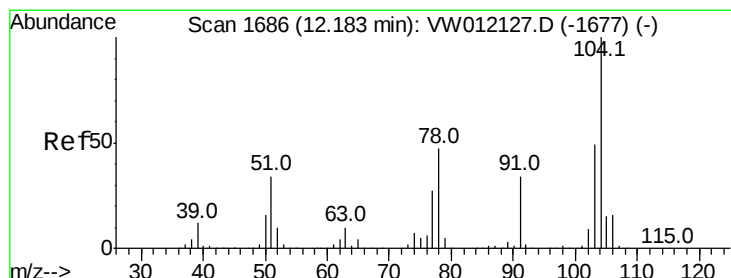
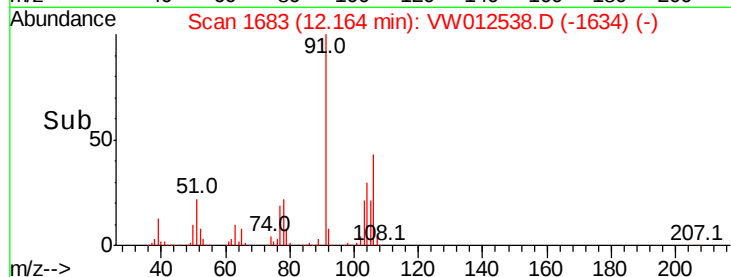
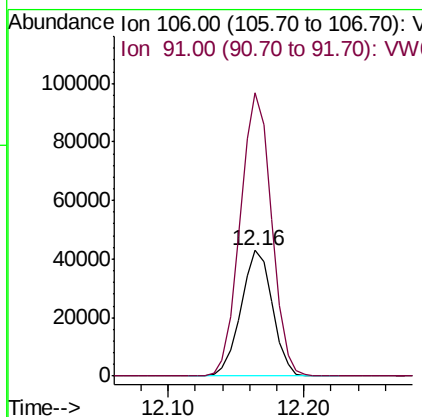
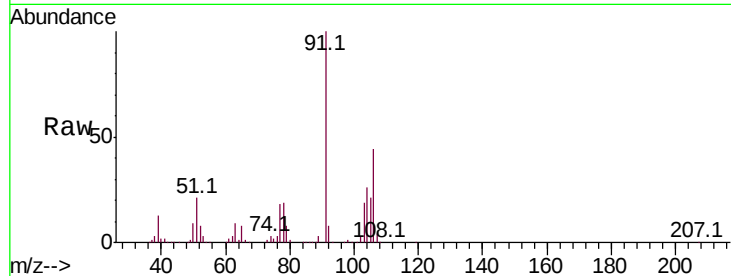




#69
o-Xylene
Concen: 21.167 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012538.D
Acq: 03 Sep 2019 10:45

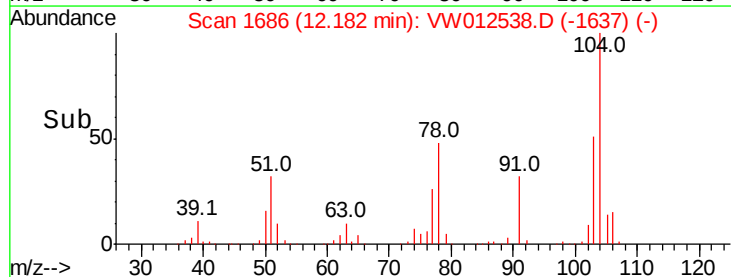
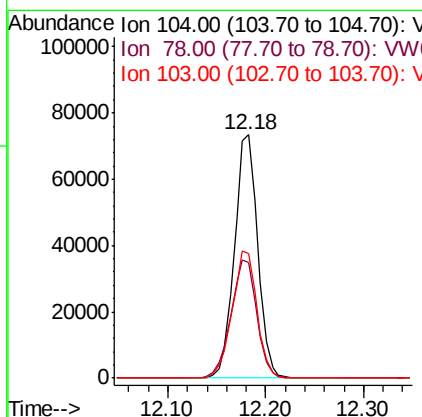
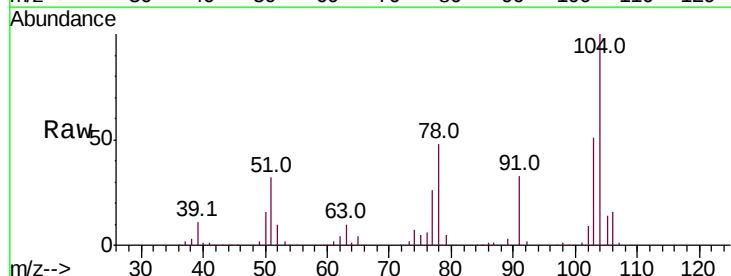
Instrument :
MSVOA_W
ClientSampled :

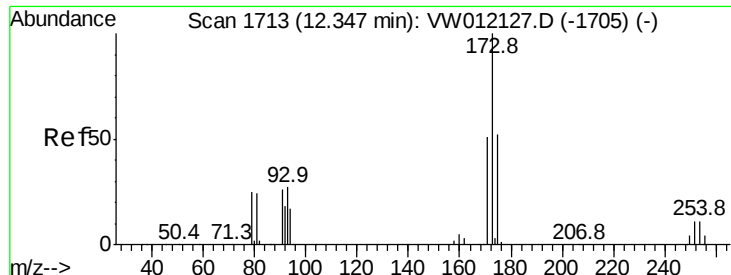
Tot Ion:106 Resp: 69315
Ion Ratio Lower Upper
106 100
91 225.2 111.6 334.6



#70
Styrene
Concen: 21.325 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012538.D
Acq: 03 Sep 2019 10:45

Tgt Ion:104 Resp: 120871
Ion Ratio Lower Upper
104 100
78 54.0 43.1 64.7
103 55.6 43.5 65.3





#71

Bromoform

Concen: 23.152 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012538.D

Acq: 03 Sep 2019 10:45

Instrument :

MSVOA_W

ClientSampleId :

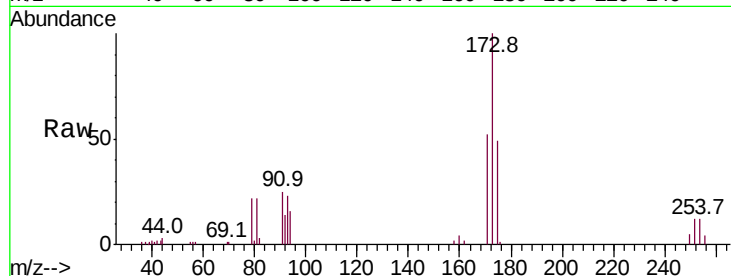
Tot Ion:173 Resp: 20519

Ion Ratio Lower Upper

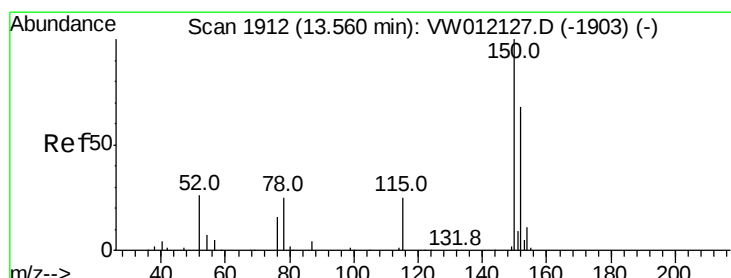
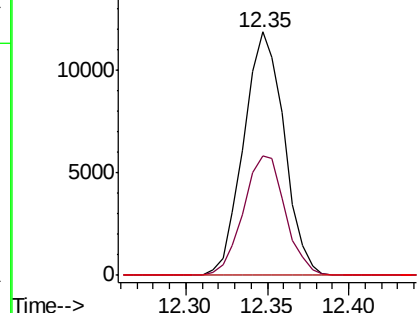
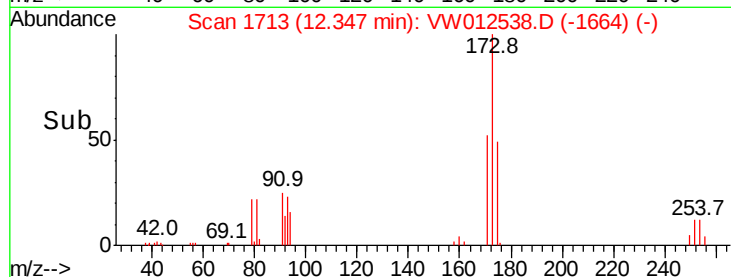
173 100

175 50.4 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: VW012538.D

Acq: 03 Sep 2019 10:45

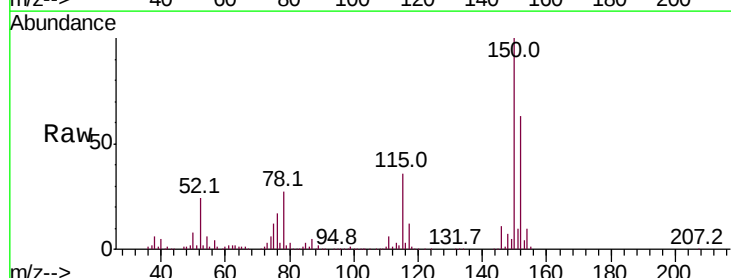
Tgt Ion:152 Resp: 126004

Ion Ratio Lower Upper

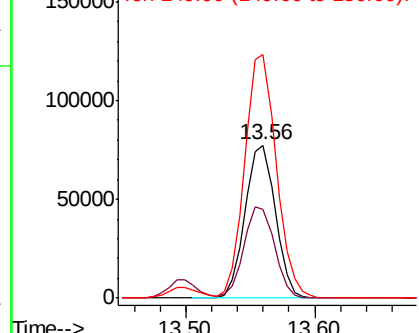
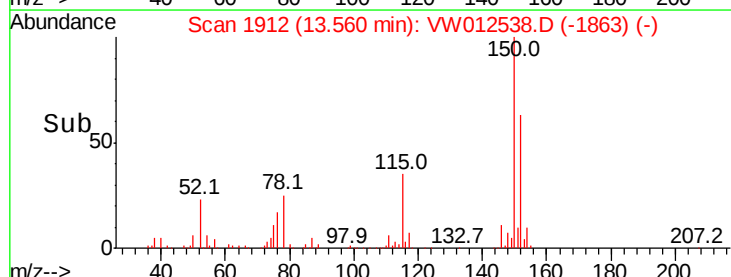
152 100

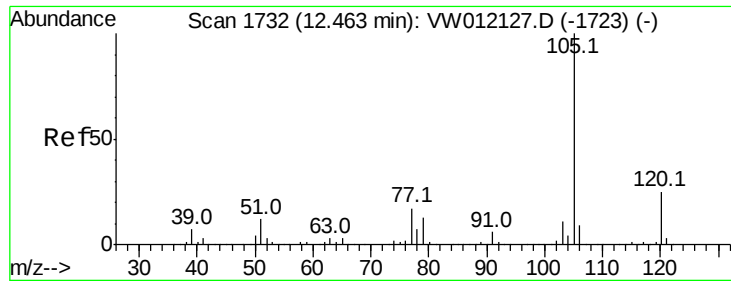
115 60.5 30.1 90.3

150 165.7 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: 21.387 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012538.D

Acq: 03 Sep 2019 10:45

Instrument :

MSVOA_W

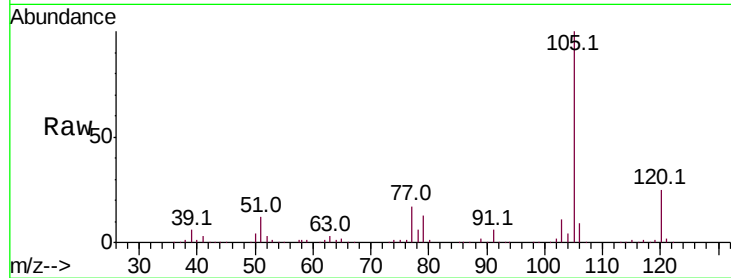
ClientSampled :

Tot Ion:105 Resp: 201933

Ion Ratio Lower Upper

105 100

120 25.3 12.5 37.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

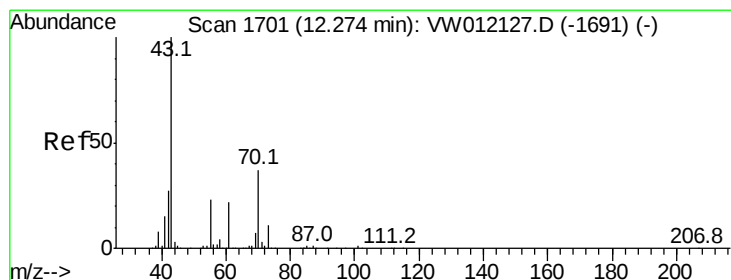
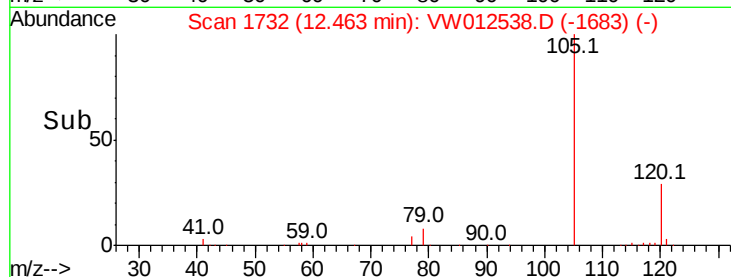
100000

50000

0

12.40 12.45 12.50 12.55

Time-->



#74

N-ethyl acetate

Concen: 22.260 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012538.D

Acq: 03 Sep 2019 10:45

Tgt Ion: 43 Resp: 63500

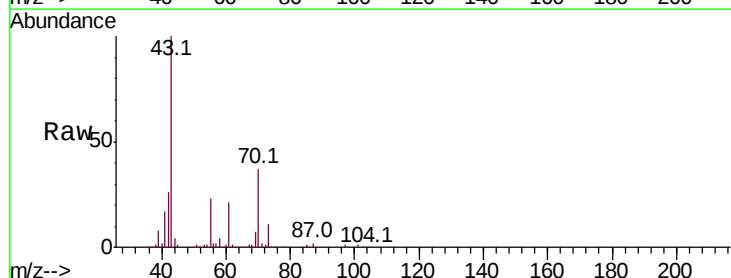
Ion Ratio Lower Upper

43 100

70 36.7 28.6 43.0

55 23.4 17.8 26.6

61 21.0 17.3 25.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

60000

50000

40000

30000

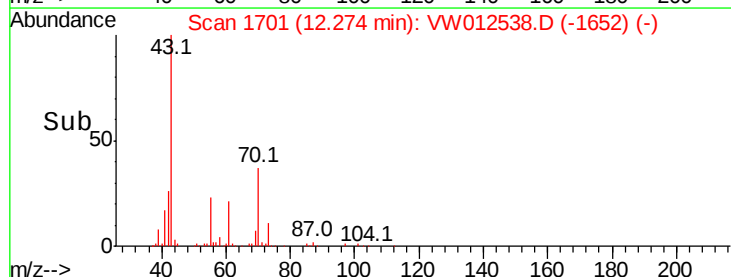
20000

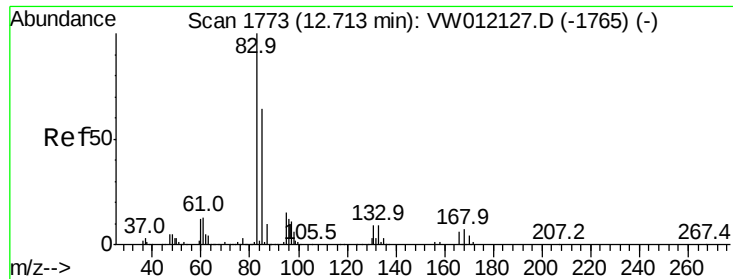
10000

0

12.20 12.30 12.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.082 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012538.D

Acq: 03 Sep 2019 10:45

Instrument :

MSVOA_W

ClientSampleId :

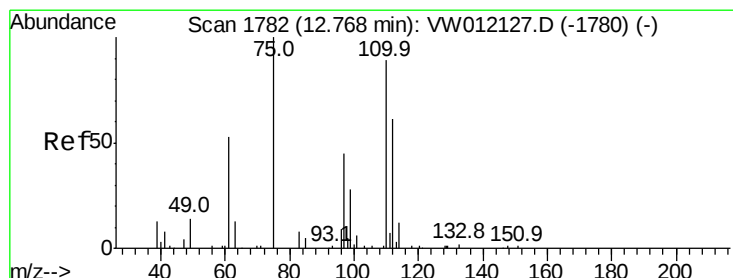
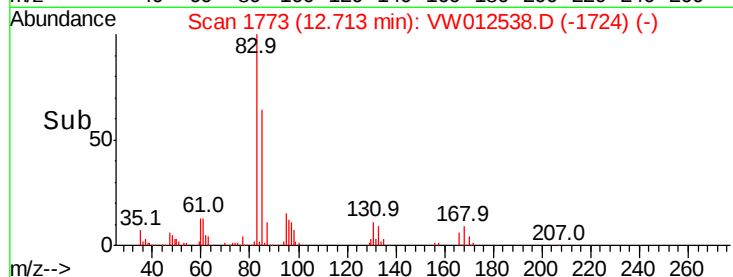
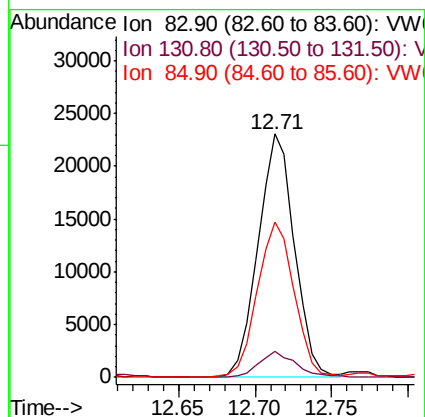
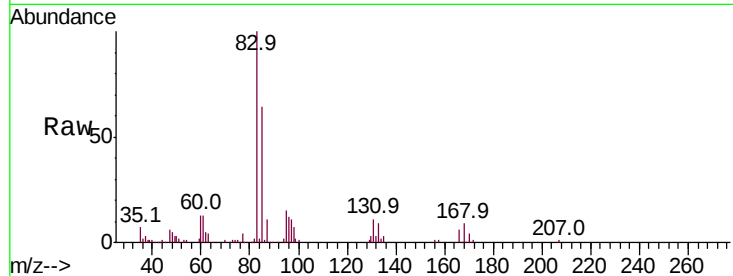
Tot Ion: 83 Resp: 38222

Ion Ratio Lower Upper

83 100

131 10.9 4.9 14.7

85 64.4 31.9 95.7



#76

1,2,3-Trichloropropane

Concen: 41.854 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW012538.D

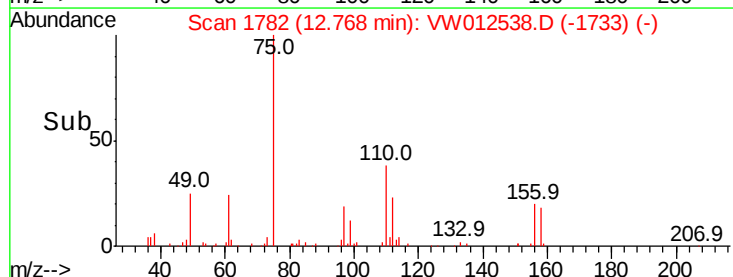
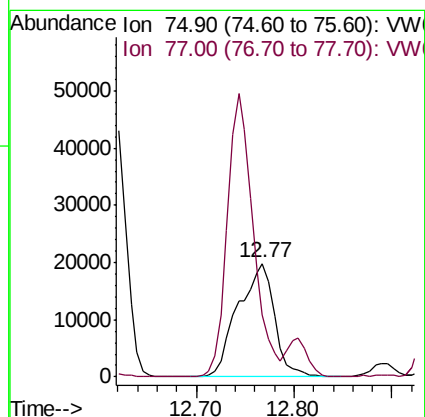
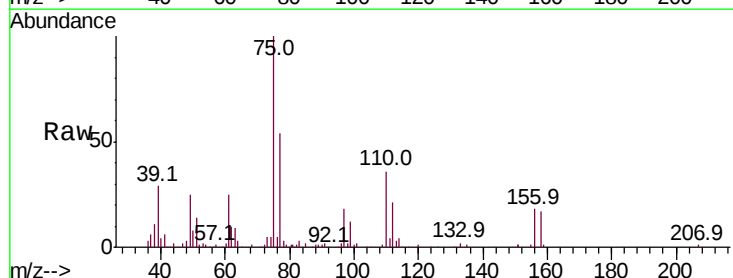
Acq: 03 Sep 2019 10:45

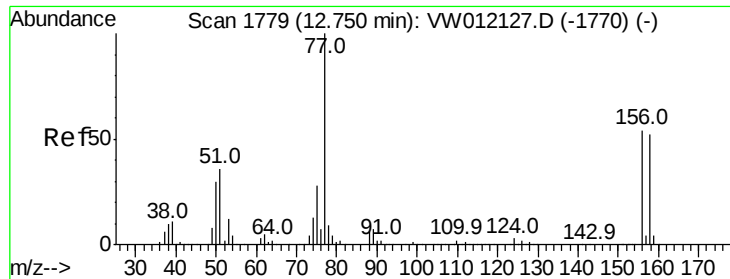
Tgt Ion: 75 Resp: 51363

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 21.703 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012538.D

Acq: 03 Sep 2019 10:45

Instrument :

MSVOA_W

ClientSampleId :

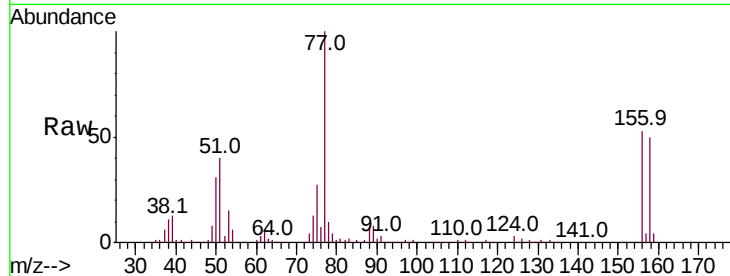
Tot Ion:156 Resp: 44331

Ion Ratio Lower Upper

156 100

77 206.7 107.3 321.8

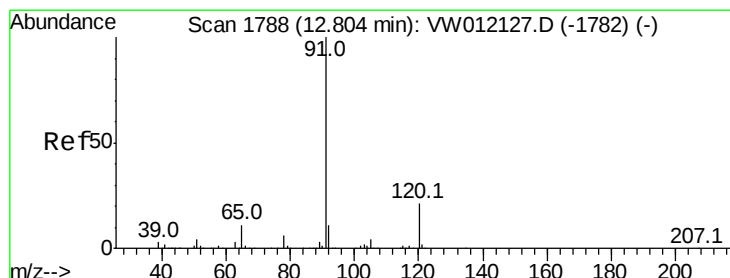
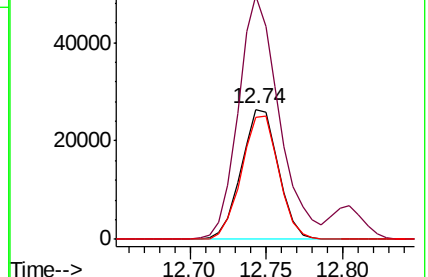
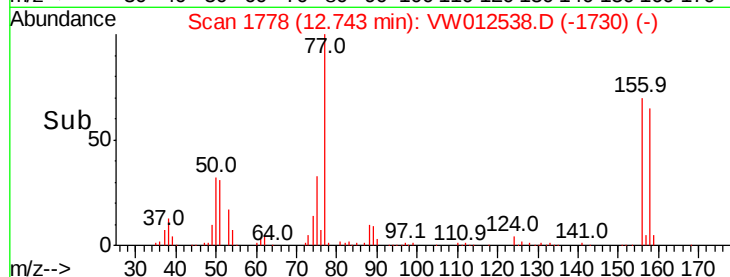
158 95.4 49.0 147.0



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: 20.896 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012538.D

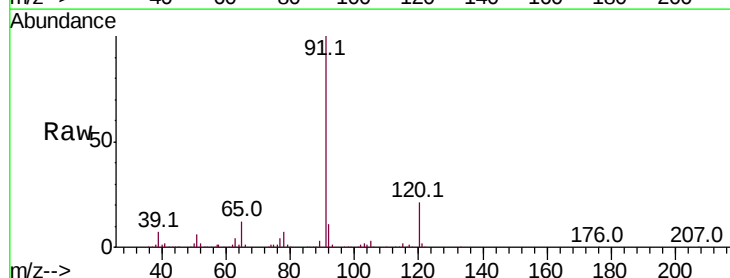
Acq: 03 Sep 2019 10:45

Tgt Ion: 91 Resp: 240852

Ion Ratio Lower Upper

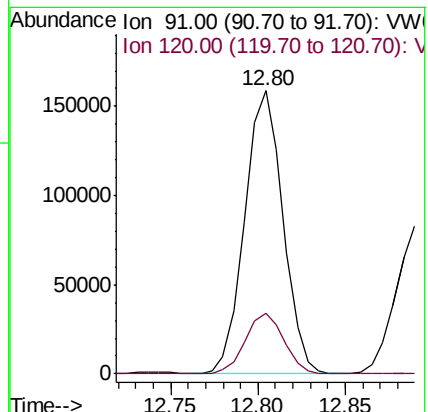
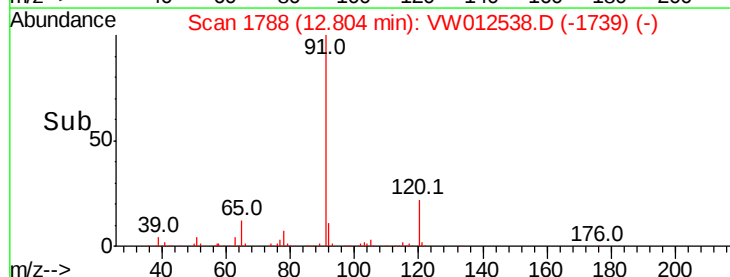
91 100

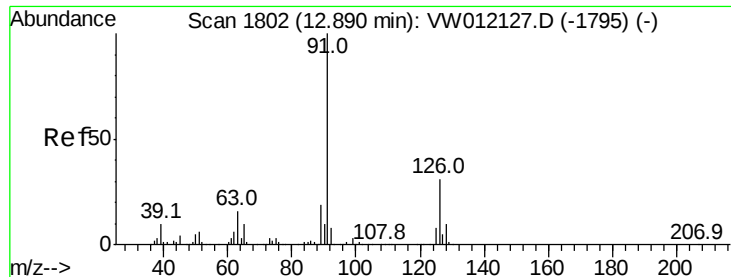
120 21.7 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.965 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012538.D

Acq: 03 Sep 2019 10:45

Instrument :

MSVOA_W

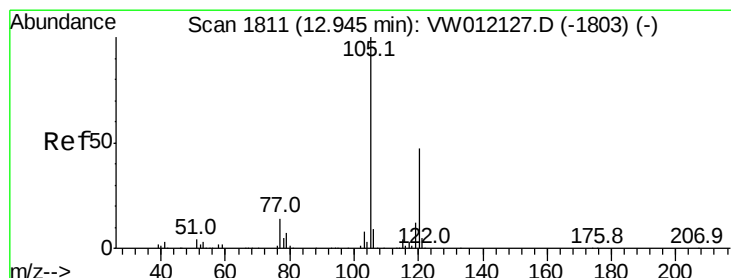
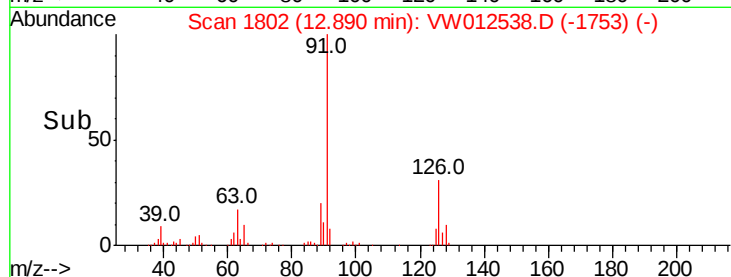
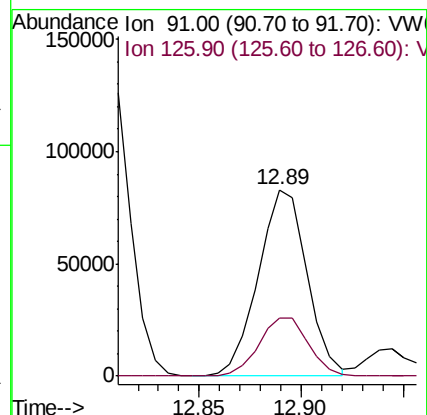
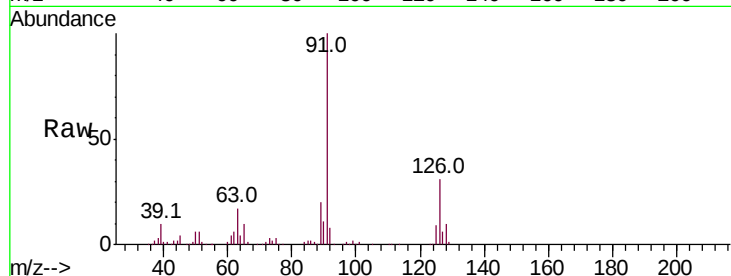
ClientSampled :

Tot Ion: 91 Resp: 137195

Ion Ratio Lower Upper

91 100

126 32.0 15.7 47.0



#80

1,3,5-Trimethylbenzene

Concen: 21.539 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012538.D

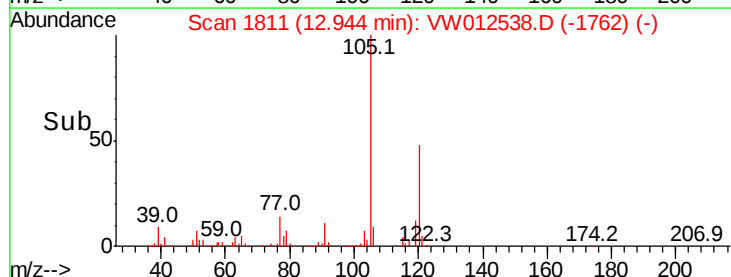
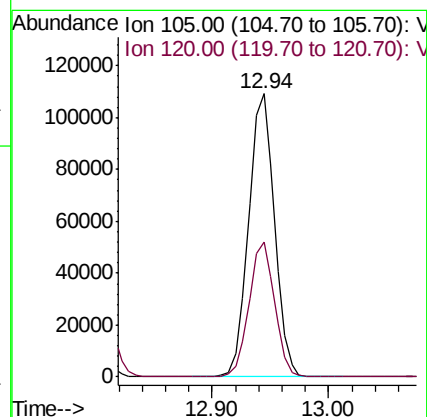
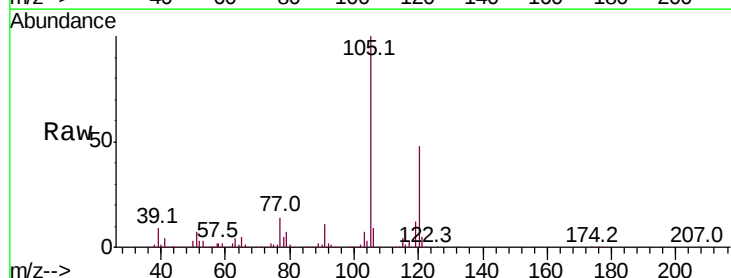
Acq: 03 Sep 2019 10:45

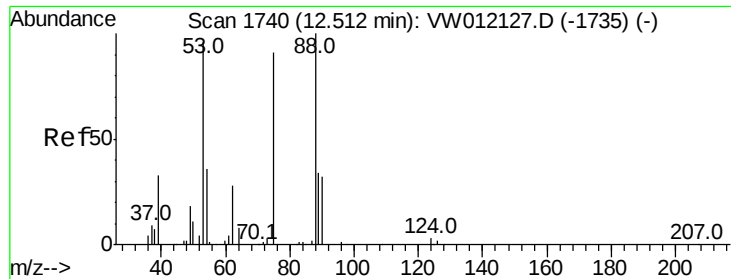
Tgt Ion:105 Resp: 169931

Ion Ratio Lower Upper

105 100

120 47.0 24.0 72.0

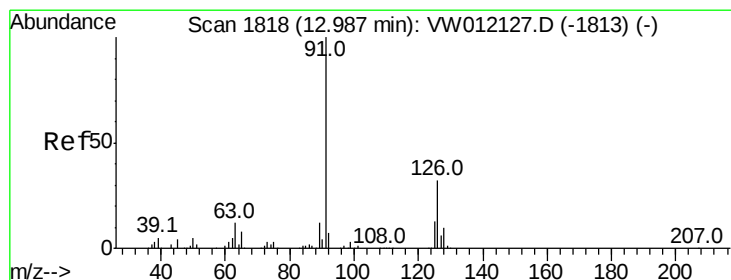
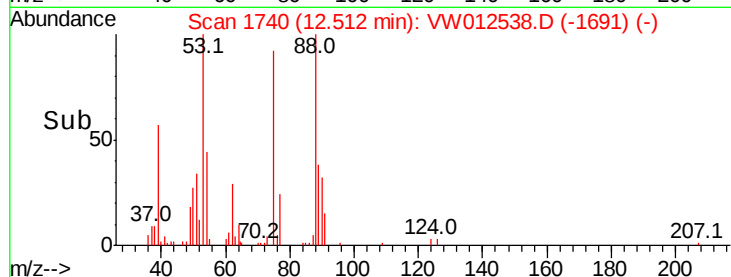
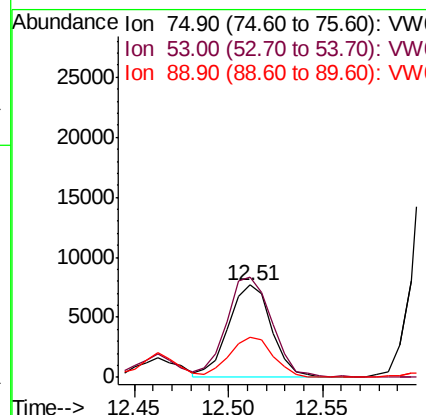
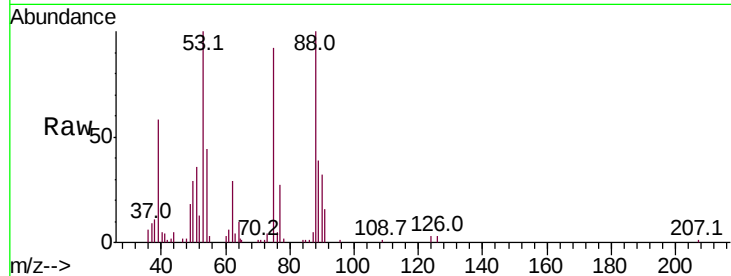




#81
trans-1,4-Dichloro-2-butene
Concen: 21.949 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW012538.D
Acq: 03 Sep 2019 10:45

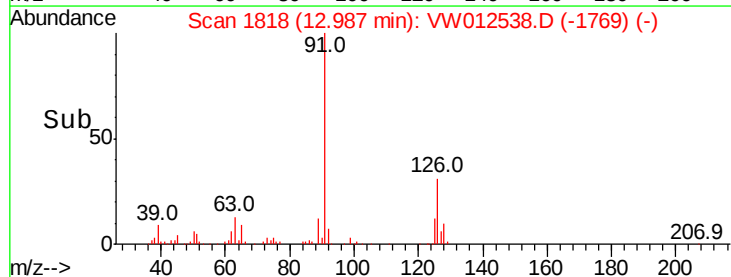
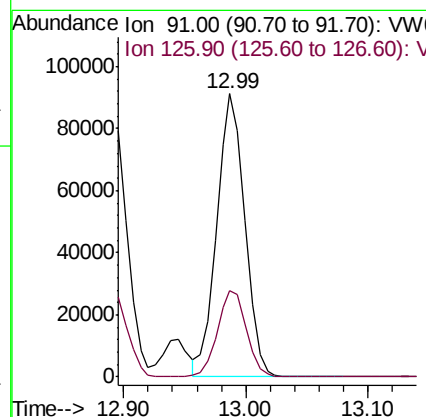
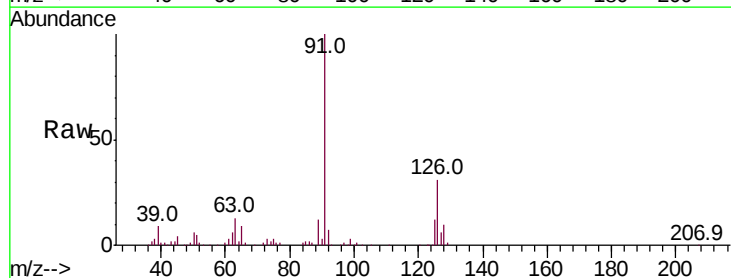
Instrument :
MSVOA_W
ClientSampleId :

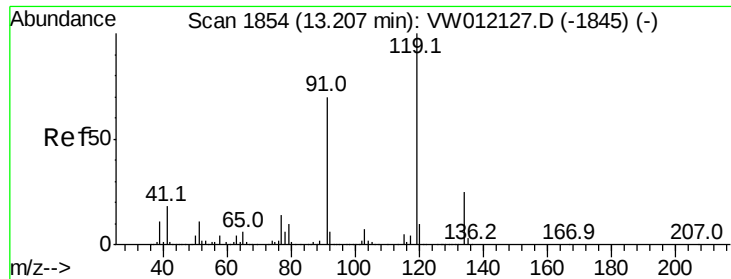
Tot Ion: 75 Resp: 12285
Ion Ratio Lower Upper
75 100
53 114.4 89.4 134.0
89 43.4 34.5 51.7



#82
4-Chlorotoluene
Concen: 21.301 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012538.D
Acq: 03 Sep 2019 10:45

Tgt Ion: 91 Resp: 145959
Ion Ratio Lower Upper
91 100
126 31.0 15.6 46.8

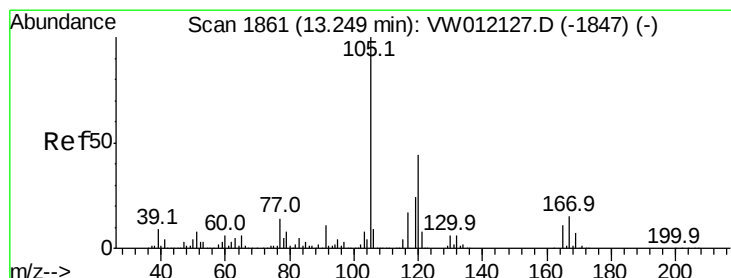
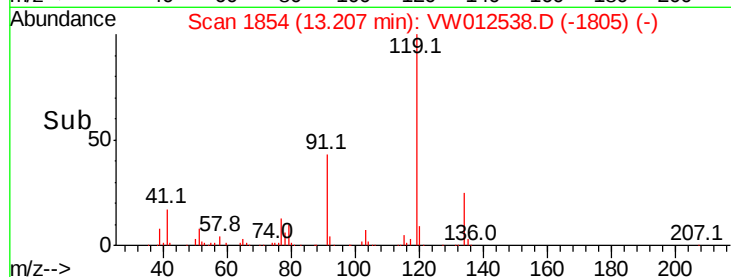
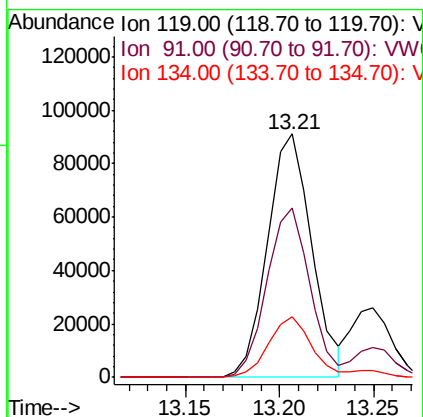
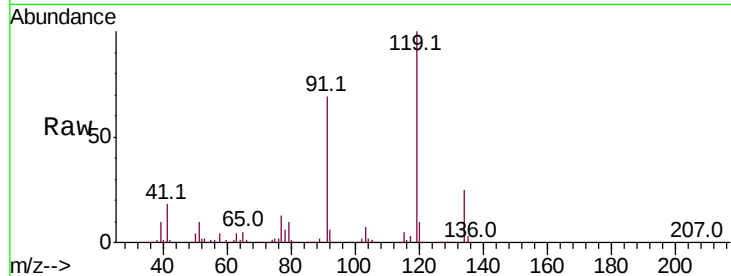




#83
tert-Butylbenzene
Concen: 22.224 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012538.D
Acq: 03 Sep 2019 10:45

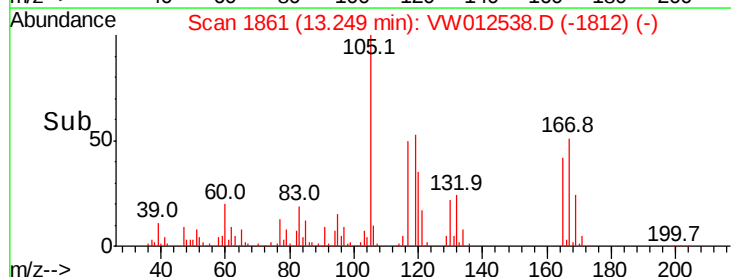
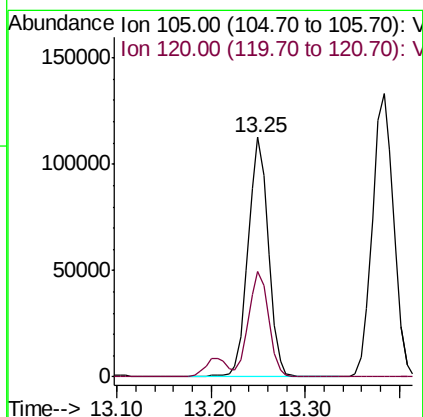
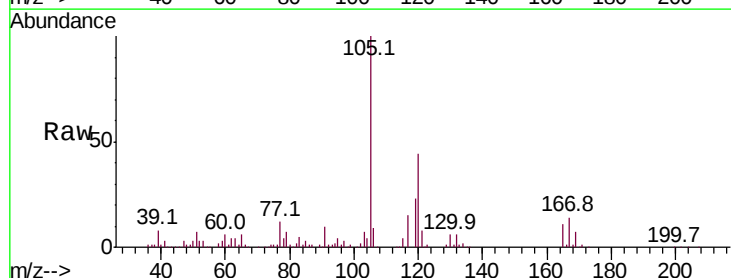
Instrument :
MSVOA_W
ClientSampled :

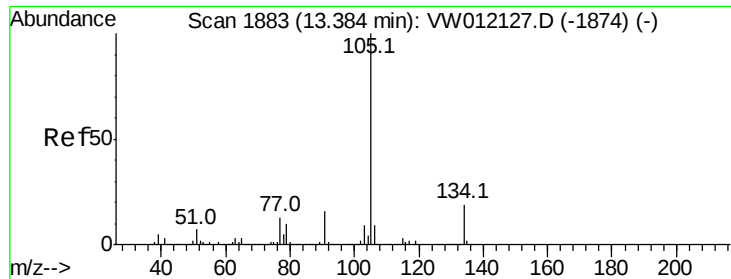
Tot Ion:119 Resp: 148522
Ion Ratio Lower Upper
119 100
91 67.4 34.8 104.3
134 24.3 13.3 39.8



#84
1,2,4-Trimethylbenzene
Concen: 21.524 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012538.D
Acq: 03 Sep 2019 10:45

Tgt Ion:105 Resp: 170583
Ion Ratio Lower Upper
105 100
120 43.3 21.9 65.7





#85

sec-Butylbenzene

Concen: 21.735 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012538.D

Acq: 03 Sep 2019 10:45

Instrument :

MSVOA_W

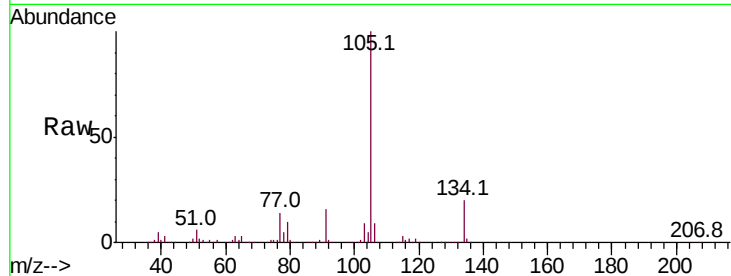
ClientSampled :

Tot Ion:105 Resp: 208100

Ion Ratio Lower Upper

105 100

134 19.9 9.8 29.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

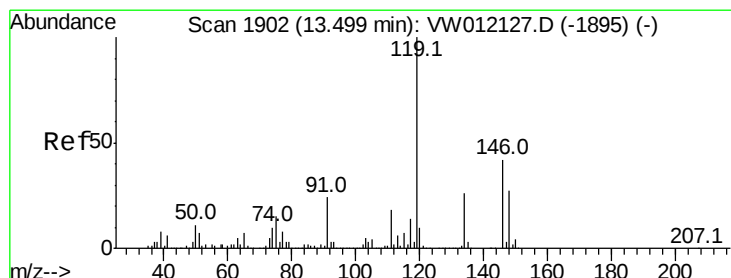
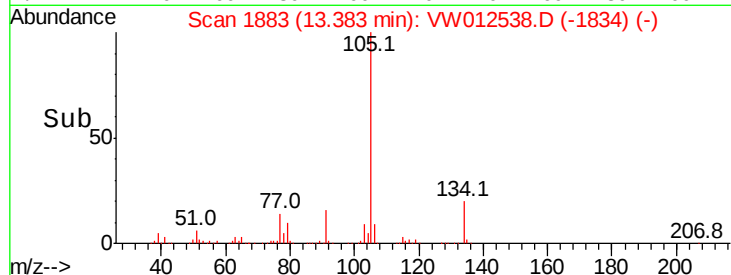
150000

100000

50000

0

Time--> 13.30 13.35 13.40 13.45



#86

p-Isopropyltoluene

Concen: 21.793 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012538.D

Acq: 03 Sep 2019 10:45

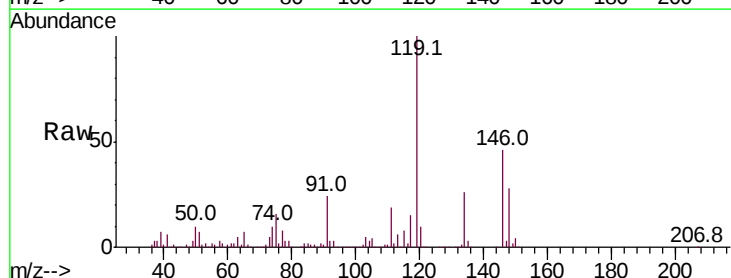
Tgt Ion:119 Resp: 186341

Ion Ratio Lower Upper

119 100

134 26.0 12.8 38.3

91 24.2 12.3 36.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.50

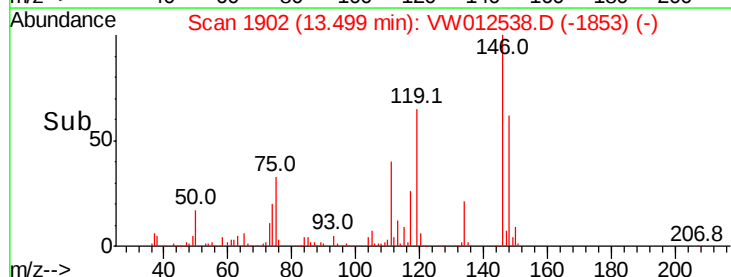
150000

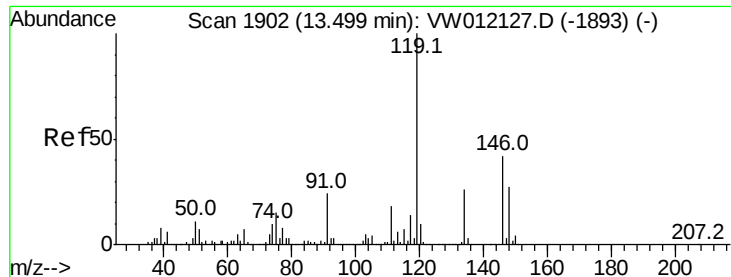
100000

50000

0

Time--> 13.45 13.50 13.55





#87

1,3-Dichlorobenzene

Concen: 21.891 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012538.D

Acq: 03 Sep 2019 10:45

Instrument :

MSVOA_W

ClientSampleId :

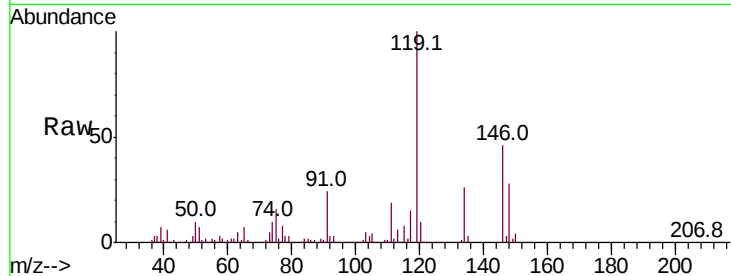
Tot Ion:146 Resp: 87462

Ion Ratio Lower Upper

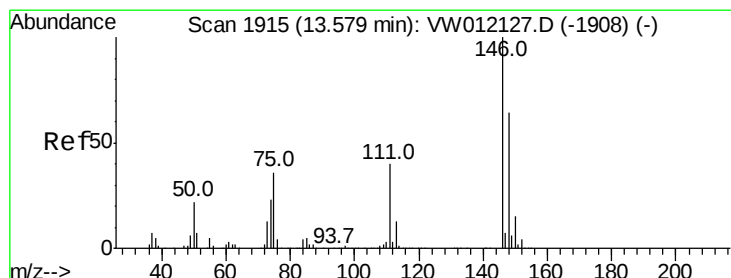
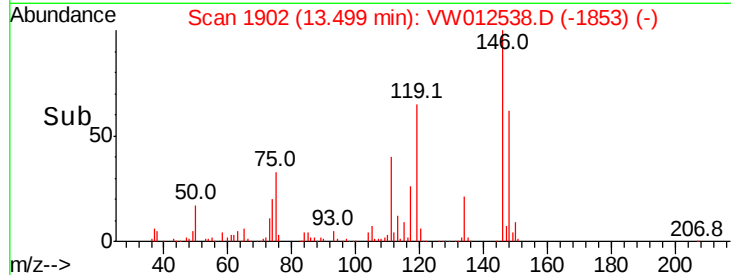
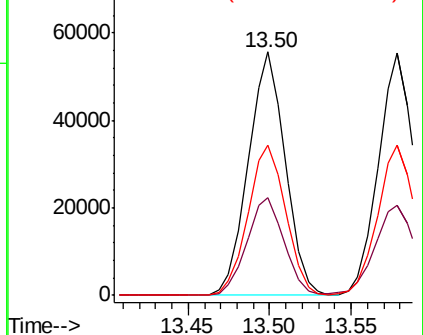
146 100

111 40.6 20.9 62.7

148 63.1 32.2 96.6



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



#88

1,4-Dichlorobenzene

Concen: 21.693 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW012538.D

Acq: 03 Sep 2019 10:45

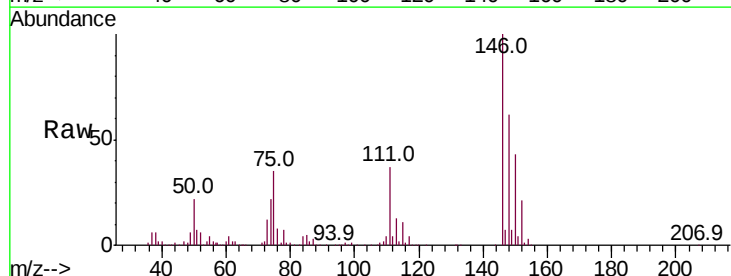
Tgt Ion:146 Resp: 86057

Ion Ratio Lower Upper

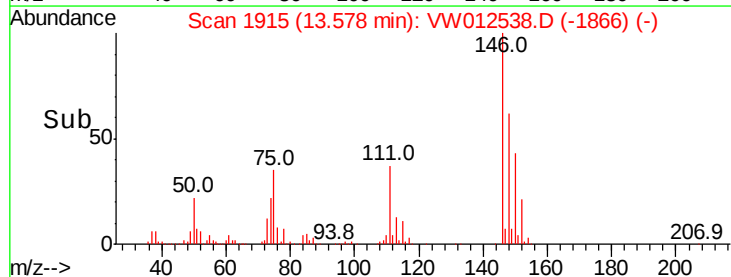
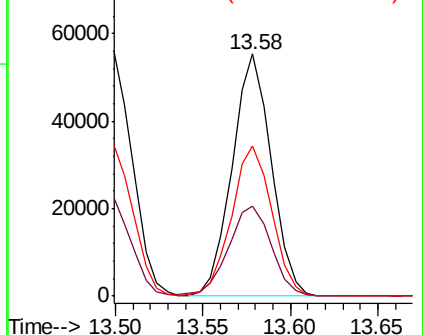
146 100

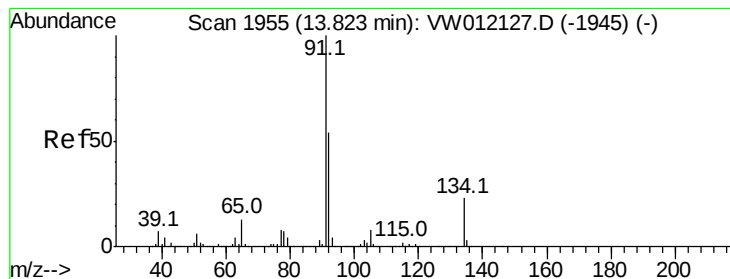
111 40.7 20.0 60.0

148 64.1 32.1 96.3



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





#89

n-Butylbenzene

Concen: 21.447 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012538.D

Acq: 03 Sep 2019 10:45

Instrument :

MSVOA_W

ClientSampleId :

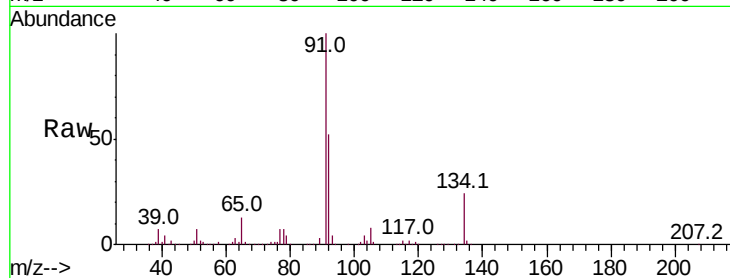
Tot Ion: 91 Resp: 182367

Ion	Ratio	Lower	Upper
91	100		
92	52.9	27.1	81.2
134	24.3	12.2	36.4

91 100

92 52.9 27.1 81.2

134 24.3 12.2 36.4

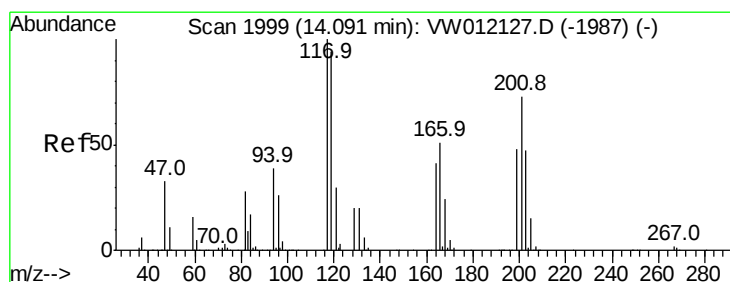
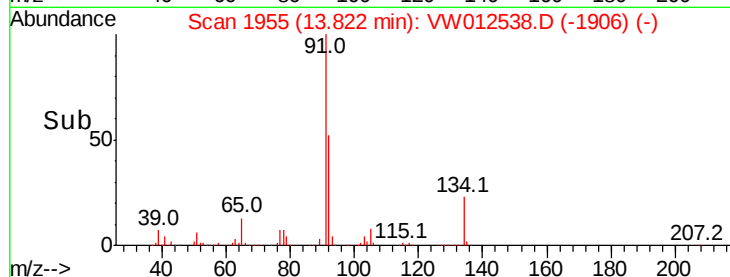
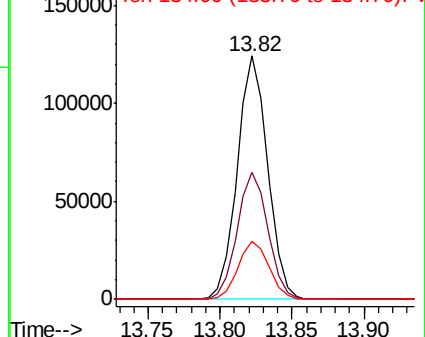


Abundance

Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 20.550 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW012538.D

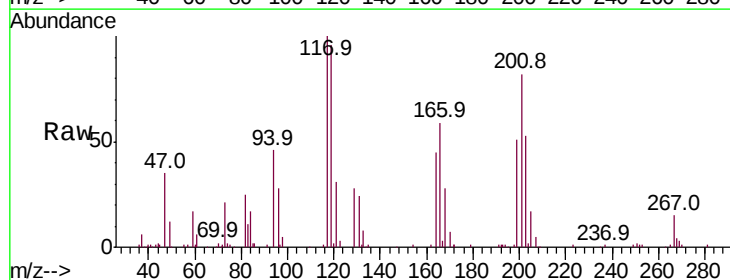
Acq: 03 Sep 2019 10:45

Tgt Ion: 117 Resp: 30829

Ion	Ratio	Lower	Upper
117	100		
201	84.6	38.6	115.7

117 100

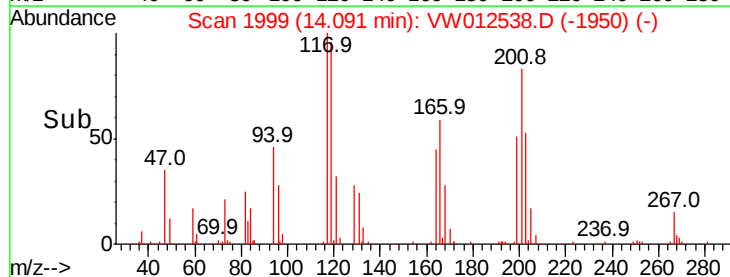
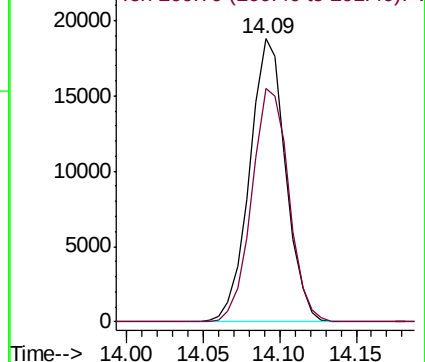
201 84.6 38.6 115.7

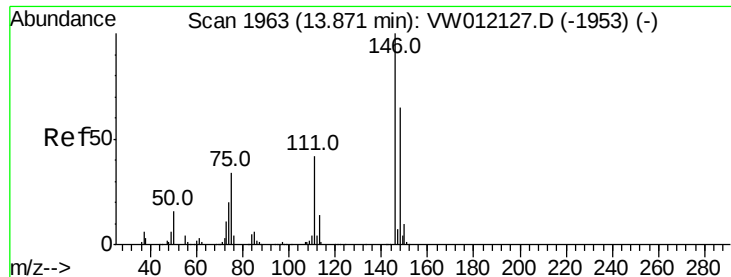


Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 22.303 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW012538.D

Acq: 03 Sep 2019 10:45

Instrument :

MSVOA_W

ClientSampleId :

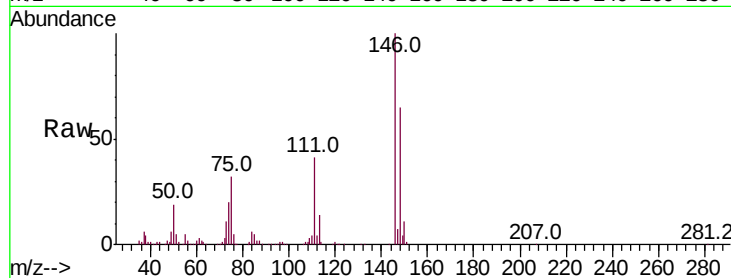
Tot Ion:146 Resp: 78169

Ion Ratio Lower Upper

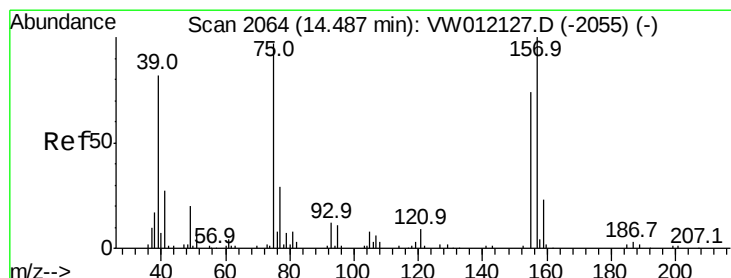
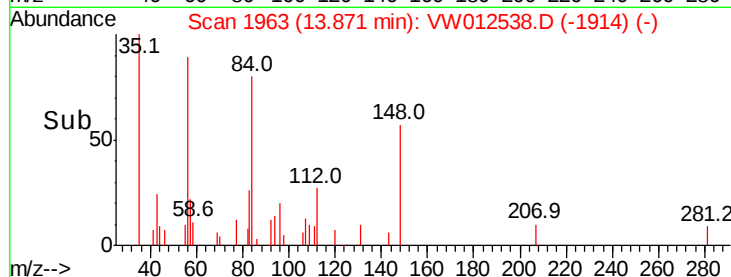
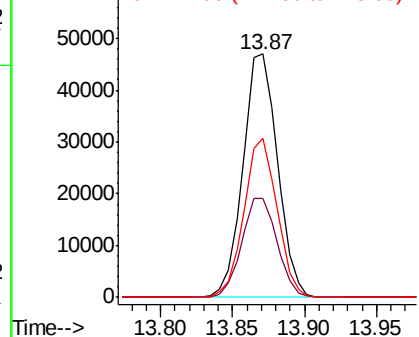
146 100

111 41.8 21.2 63.6

148 62.7 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: 23.587 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW012538.D

Acq: 03 Sep 2019 10:45

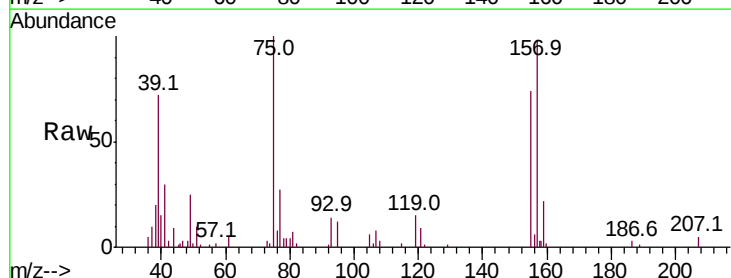
Tgt Ion: 75 Resp: 6883

Ion Ratio Lower Upper

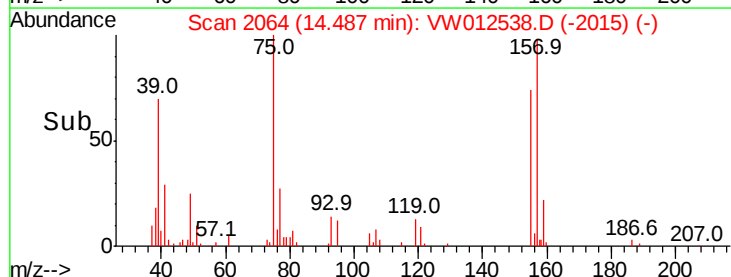
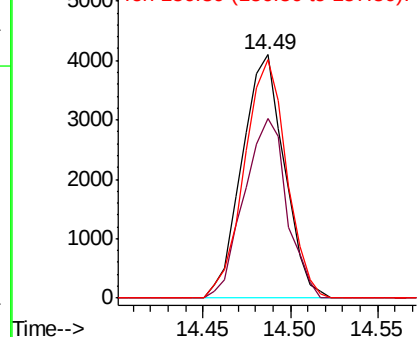
75 100

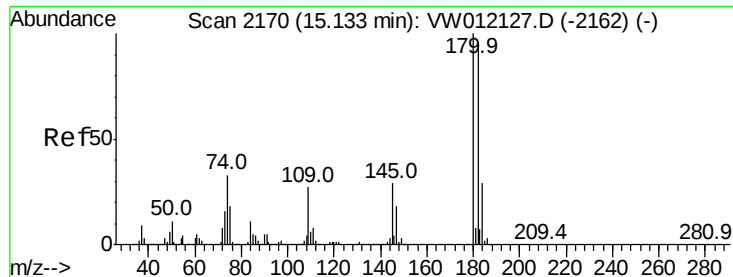
155 74.5 37.5 112.3

157 98.0 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

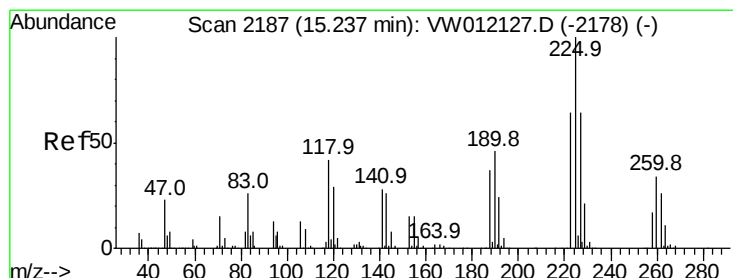
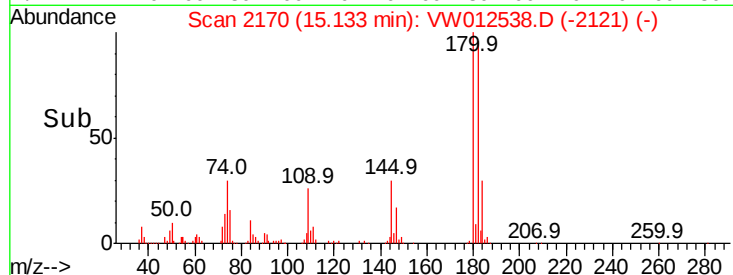
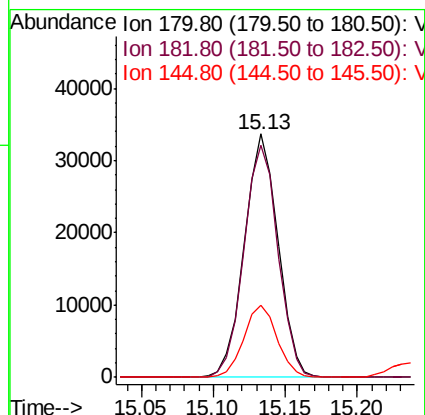
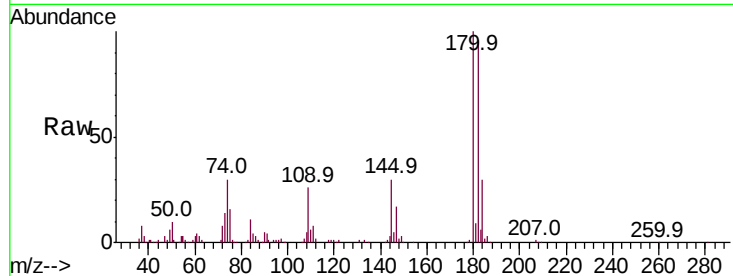




#93
 1,2,4-Trichlorobenzene
 Concen: 22.457 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012538.D
 Acq: 03 Sep 2019 10:45

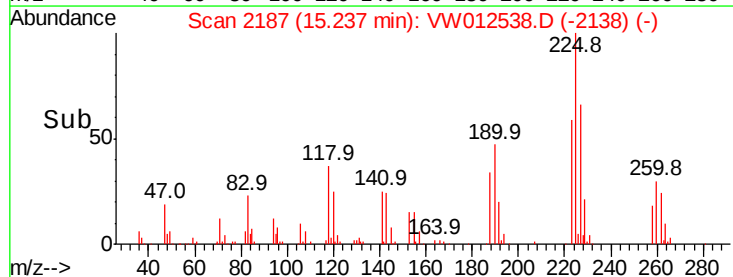
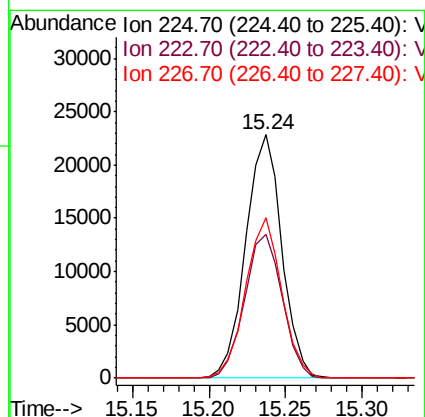
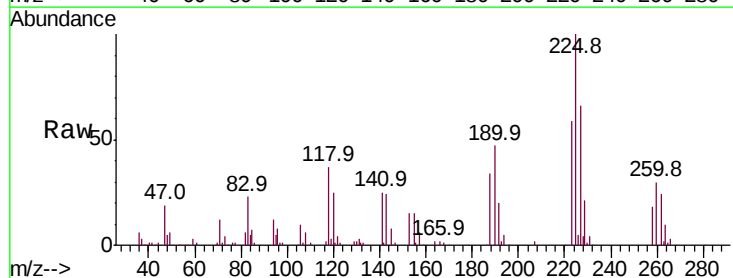
Instrument :
 MSVOA_W
 ClientSampleId :

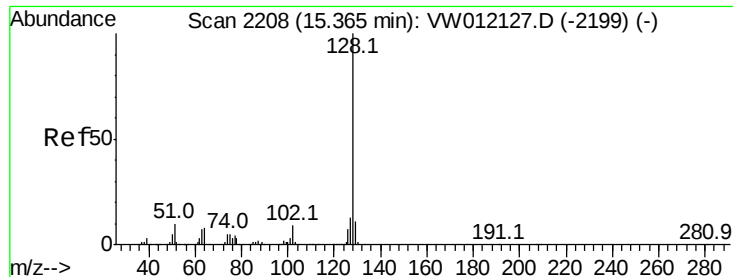
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.8	143.4
145	29.5	15.0	45.1



#94
 Hexachlorobutadiene
 Concen: 23.401 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012538.D
 Acq: 03 Sep 2019 10:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.5	32.3	96.8
227	65.9	32.9	98.6

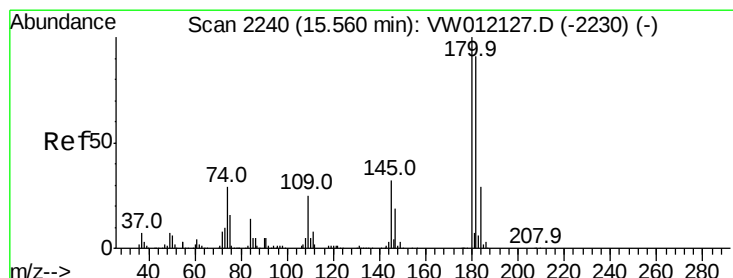
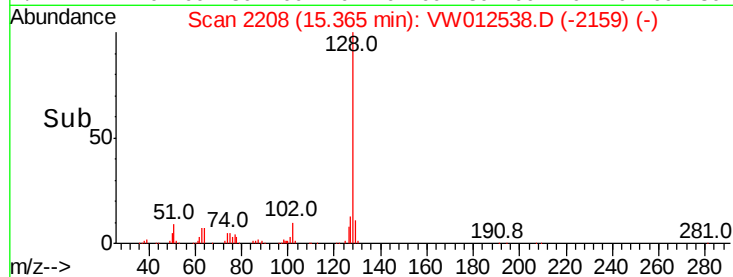
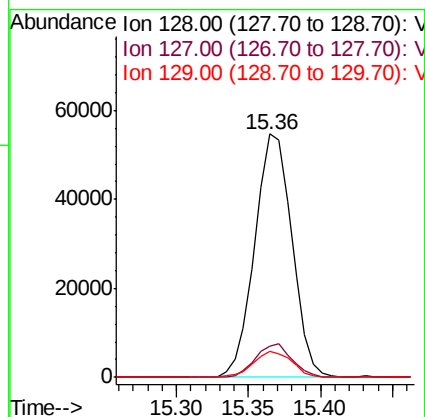
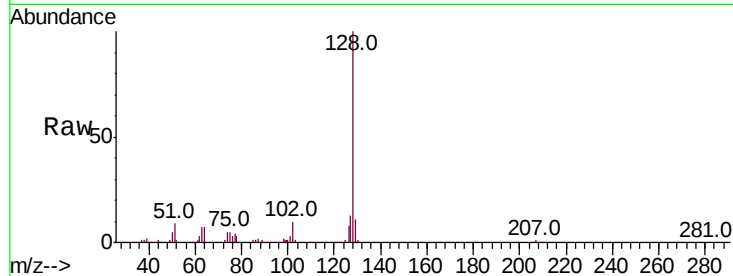




#95
Naphthalene
Concen: 23.173 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012538.D
Acq: 03 Sep 2019 10:45

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 98075
Ion Ratio Lower Upper
128 100
127 13.6 10.7 16.1
129 11.2 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 22.946 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW012538.D
Acq: 03 Sep 2019 10:45

Tgt Ion:180 Resp: 48490
Ion Ratio Lower Upper
180 100
182 93.2 47.1 141.3
145 31.0 16.2 48.5

