

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083119\
 Data File : VW012391.D
 Acq On : 31 Aug 2019 11:17
 Operator : SY/VA
 Sample : VW0831SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 31 17:17:27 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	236238	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	371191	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	320272	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	156442	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	146754	52.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.52%	
35) Dibromofluoromethane	7.88	113	116769	52.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.40%	
50) Toluene-d8	10.32	98	465116	51.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.54%	
62) 4-Bromofluorobenzene	12.61	95	165588	52.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.58%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	23390	16.080	ug/l 97
3) Chloromethane	2.21	50	43893	19.477	ug/l 99
4) Vinyl Chloride	2.35	62	53831	19.516	ug/l 97
5) Bromomethane	2.76	94	28348	20.293	ug/l 95
6) Chloroethane	2.92	64	31368	20.159	ug/l 96
7) Trichlorofluoromethane	3.25	101	31840	22.989	ug/l 94
8) Diethyl Ether	3.68	74	26160	19.899	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	4.07	101	47438	20.150	ug/l 96
10) Methyl Iodide	4.27	142	61992	19.461	ug/l 97
11) Tert butyl alcohol	5.16	59	18156	107.431	ug/l 100
12) 1,1-Dichloroethene	4.03	96	45060	19.016	ug/l 98
13) Acrolein	3.88	56	13441	84.490	ug/l 98
14) Allyl chloride	4.67	41	101237	19.984	ug/l 98
15) Acrylonitrile	5.37	53	67976	104.318	ug/l 99
16) Acetone	4.12	43	67094	93.464	ug/l 95
17) Carbon Disulfide	4.38	76	118242	16.511	ug/l 100
18) Methyl Acetate	4.67	43	39325	22.117	ug/l 99
19) Methyl tert-butyl Ether	5.42	73	85353	22.274	ug/l 98
20) Methylene Chloride	4.91	84	54898	20.229	ug/l 93
21) trans-1,2-Dichloroethene	5.42	96	49963	19.663	ug/l 97
22) Diisopropyl ether	6.31	45	204176	21.744	ug/l 99
23) Vinyl Acetate	6.25	43	588545	101.847	ug/l 99
24) 1,1-Dichloroethane	6.21	63	106397	20.810	ug/l 98
25) 2-Butanone	7.16	43	93923	96.283	ug/l 98
26) 2,2-Dichloropropane	7.16	77	64250	22.202	ug/l 100
27) cis-1,2-Dichloroethene	7.16	96	56081	20.657	ug/l 98
28) Bromochloromethane	7.51	49	48565	21.794	ug/l 99
29) Tetrahydrofuran	7.53	42	59220	101.187	ug/l 98
30) Chloroform	7.67	83	101315	21.660	ug/l 100
31) Cyclohexane	7.95	56	94356	18.654	ug/l 95
32) 1,1,1-Trichloroethane	7.87	97	81738	22.089	ug/l 99
36) 1,1-Dichloropropene	8.08	75	79853	20.818	ug/l 100
37) Ethyl Acetate	7.25	43	43179	20.542	ug/l 99
38) Carbon Tetrachloride	8.07	117	71849	21.641	ug/l 98

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Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 31 17:17:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	83948	19.481	ug/l	97
40) Benzene	8.32	78	217663	20.781	ug/l	99
41) Methacrylonitrile	7.48	41	26690	21.604	ug/l	96
42) 1,2-Dichloroethane	8.40	62	72482	22.080	ug/l	100
43) Isopropyl Acetate	8.42	43	81227	20.862	ug/l	99
44) Trichloroethene	9.09	130	53267	20.920	ug/l	92
45) 1,2-Dichloropropane	9.37	63	59557	21.128	ug/l	100
46) Dibromomethane	9.46	93	27137	21.637	ug/l	98
47) Bromodichloromethane	9.64	83	72208	21.632	ug/l	99
48) Methyl methacrylate	9.43	41	38142	20.583	ug/l	97
49) 1,4-Dioxane	9.44	88	7779	405.149	ug/l	92
51) 4-Methyl-2-Pentanone	10.21	43	207721	104.890	ug/l	99
52) Toluene	10.39	92	134173	21.324	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	72056	21.192	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	86472	21.063	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	38717	21.818	ug/l	99
56) Ethyl methacrylate	10.65	69	53759	20.815	ug/l	99
57) 1,3-Dichloropropane	10.93	76	72097	21.500	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	139551	105.283	ug/l	99
59) 2-Hexanone	10.97	43	141176	100.751	ug/l	99
60) Dibromochloromethane	11.13	129	42166	21.333	ug/l	100
61) 1,2-Dibromoethane	11.23	107	34995	21.168	ug/l	99
64) Tetrachloroethene	10.86	164	44082	21.230	ug/l	97
65) Chlorobenzene	11.66	112	133369	21.148	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	48345	21.974	ug/l	99
67) Ethyl Benzene	11.73	91	260101	21.411	ug/l	99
68) m/p-Xylenes	11.84	106	189374	43.276	ug/l	98
69) o-Xylene	12.16	106	85161	21.027	ug/l	97
70) Styrene	12.18	104	149810	21.370	ug/l	99
71) Bromoform	12.35	173	23343	21.296	ug/l #	98
73) Isopropylbenzene	12.46	105	246671	21.043	ug/l	99
74) N-amyl acetate	12.27	43	73400	20.725	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	44035	20.490	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	59078	38.774	ug/l #	100
77) Bromobenzene	12.75	156	54071	21.321	ug/l	98
78) n-propylbenzene	12.80	91	301716	21.083	ug/l	99
79) 2-Chlorotoluene	12.89	91	172335	21.211	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	209911	21.430	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	13807	19.869	ug/l	99
82) 4-Chlorotoluene	12.99	91	180008	21.159	ug/l	100
83) tert-Butylbenzene	13.21	119	179023	21.576	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	207949	21.134	ug/l	100
85) sec-Butylbenzene	13.38	105	253560	21.330	ug/l	100
86) p-Isopropyltoluene	13.50	119	231673	21.823	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	105397	21.248	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	103954	21.106	ug/l	99
89) n-Butylbenzene	13.82	91	226273	21.433	ug/l	100
90) Hexachloroethane	14.09	117	39783	21.359	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	94564	21.731	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	7513	20.737	ug/l	96

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Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
Response via : Initial Calibration

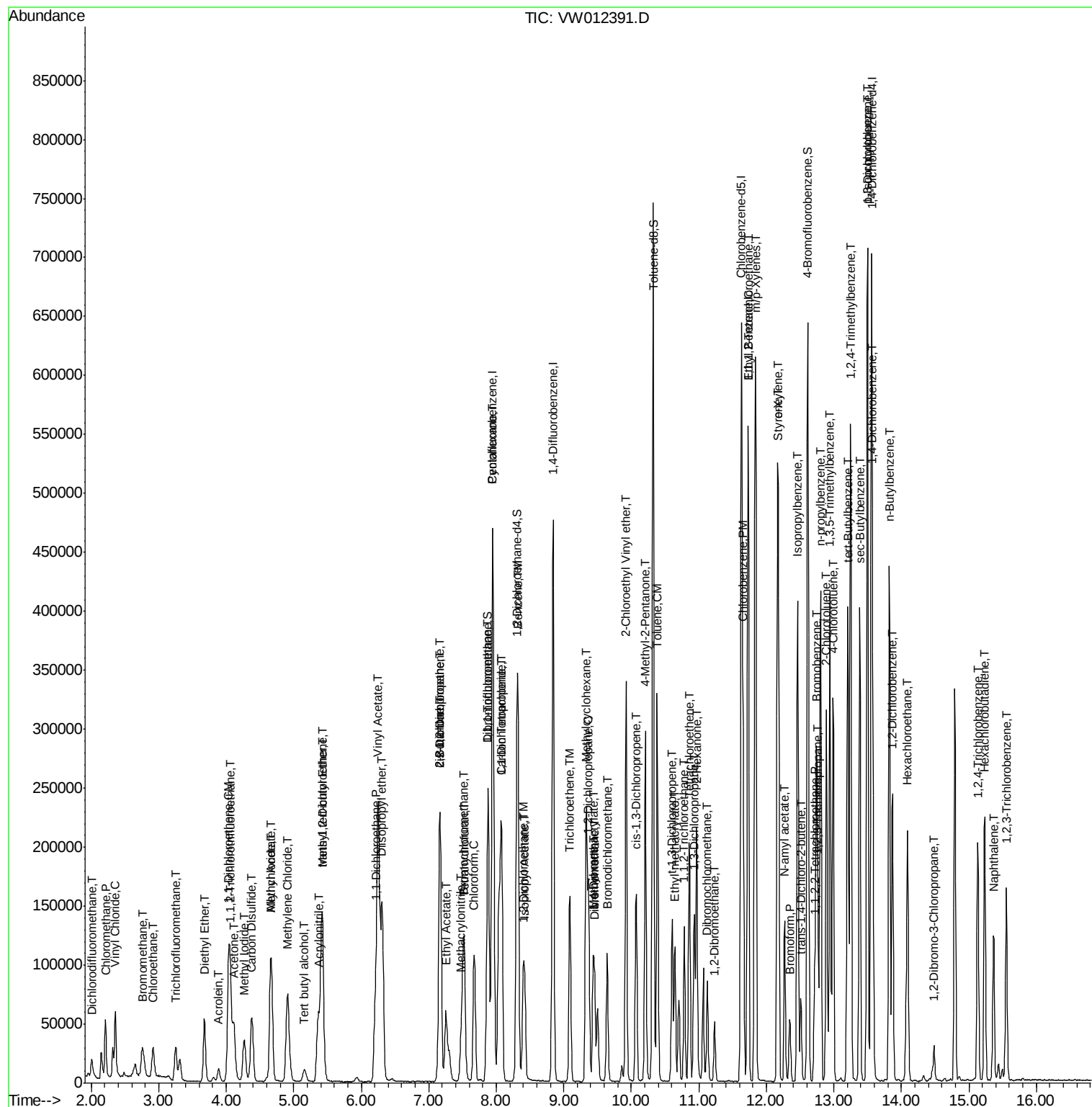
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	62530	20.794	ug/l	100
94) Hexachlorobutadiene	15.24	225	45069	22.698	ug/l	99
95) Naphthalene	15.36	128	100131	19.823	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	53712	20.472	ug/l	99

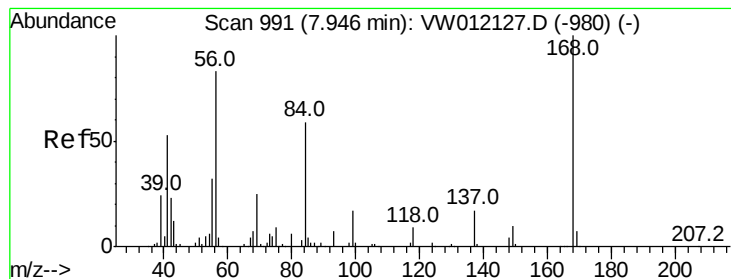
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW083119\
Data File : VW012391.D
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Sample : VW0831SBSD01
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

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Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012391.D

Acq: 31 Aug 2019 11:17

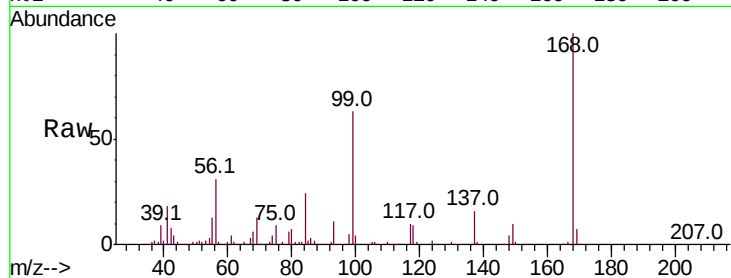
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 236238

Ion Ratio Lower Upper

168 100

99 62.6 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

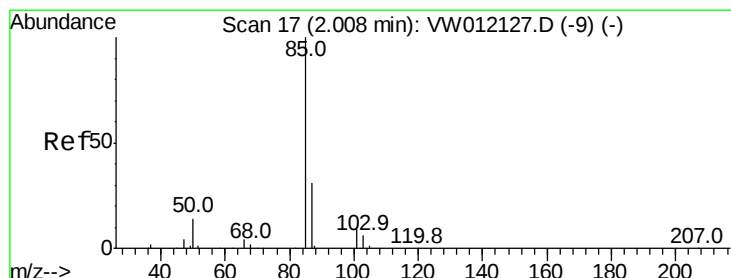
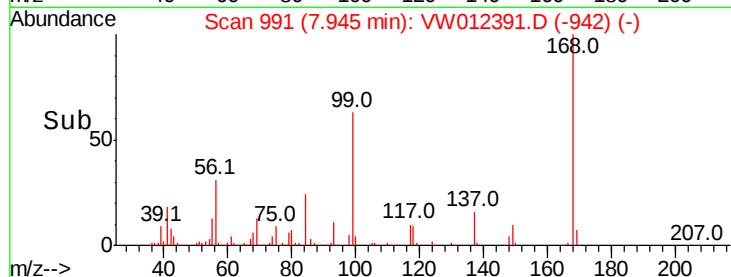
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 16.080 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012391.D

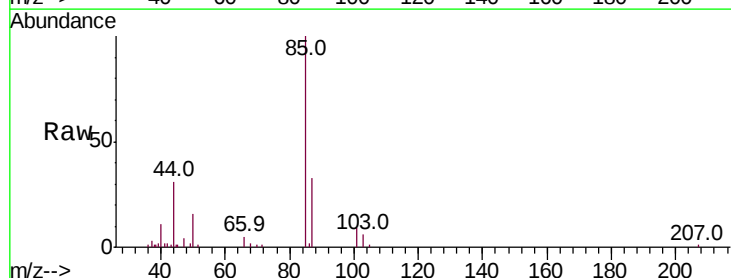
Acq: 31 Aug 2019 11:17

Tgt Ion: 85 Resp: 23390

Ion Ratio Lower Upper

85 100

87 32.9 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

10000

8000

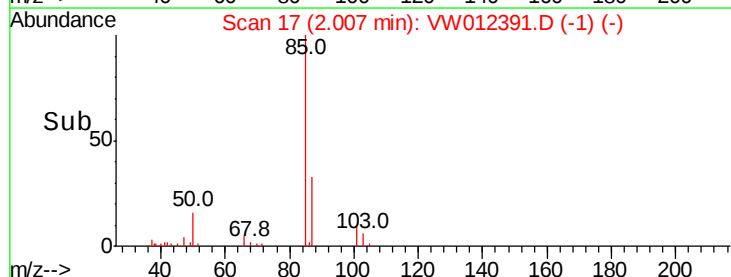
6000

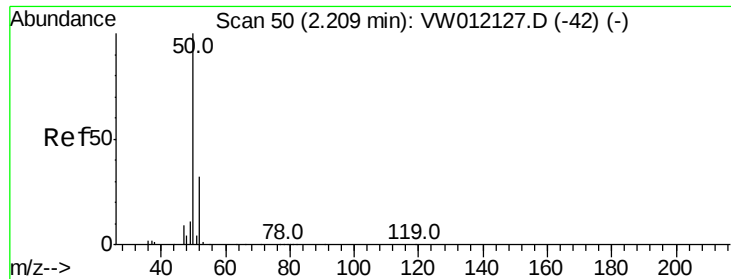
4000

2000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 19.477 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW012391.D

Acq: 31 Aug 2019 11:17

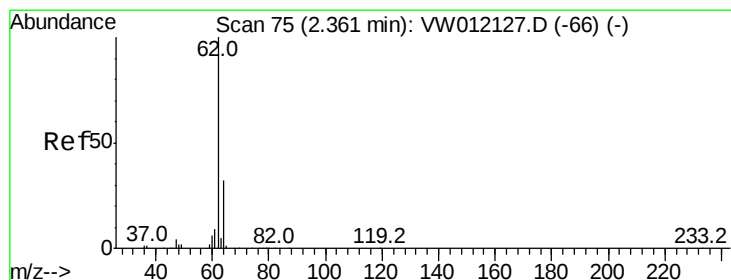
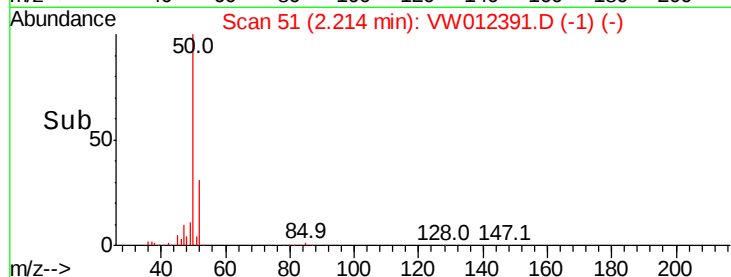
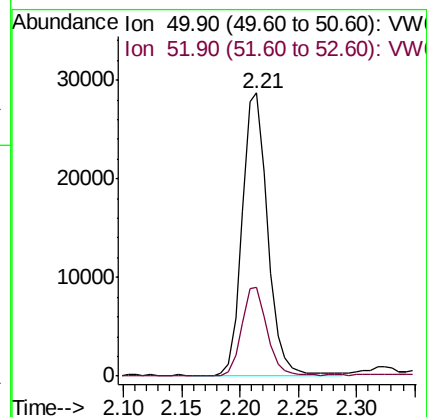
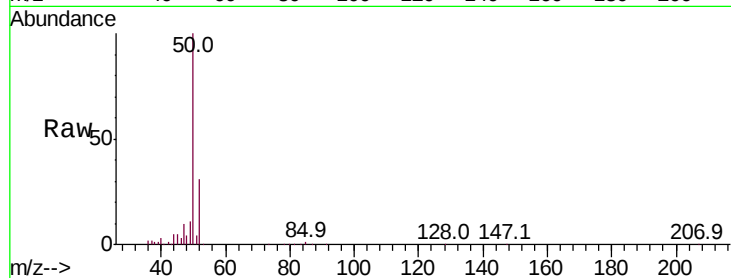
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 50 Resp: 43893

Ion Ratio Lower Upper

50 100

52 31.3 25.5 38.3



#4

Vinyl Chloride

Concen: 19.516 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012391.D

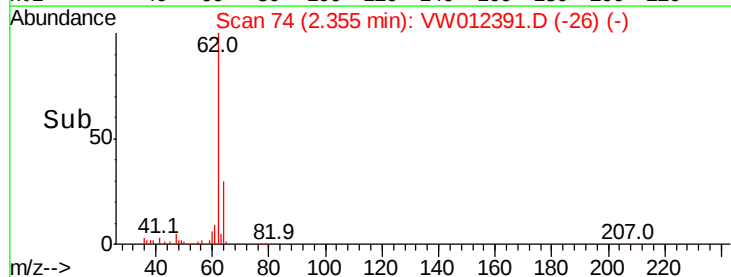
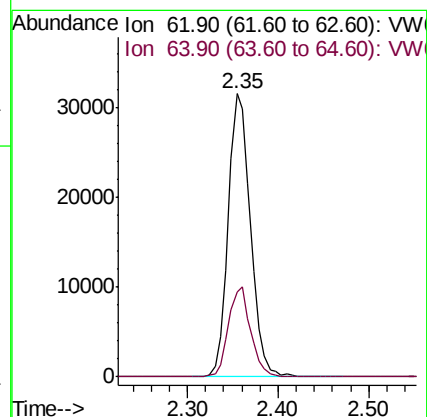
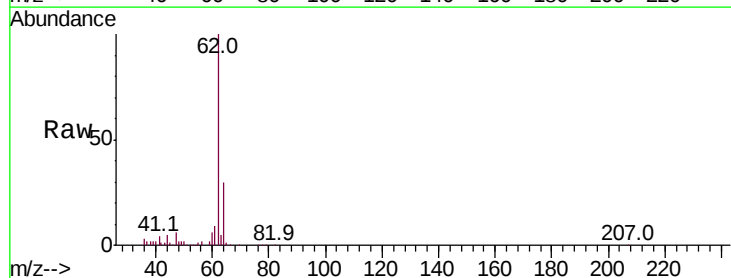
Acq: 31 Aug 2019 11:17

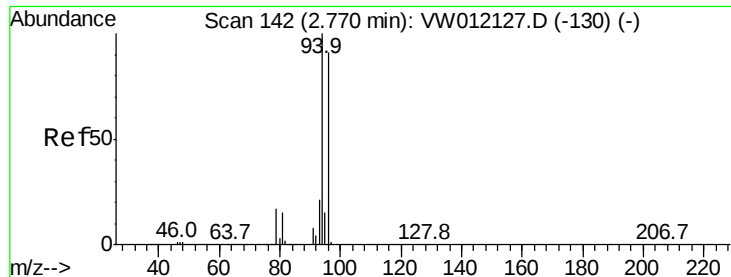
Tgt Ion: 62 Resp: 53831

Ion Ratio Lower Upper

62 100

64 29.8 25.3 37.9





#5

Bromomethane

Concen: 20.293 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.01 min

Lab File: VW012391.D

Acq: 31 Aug 2019 11:17

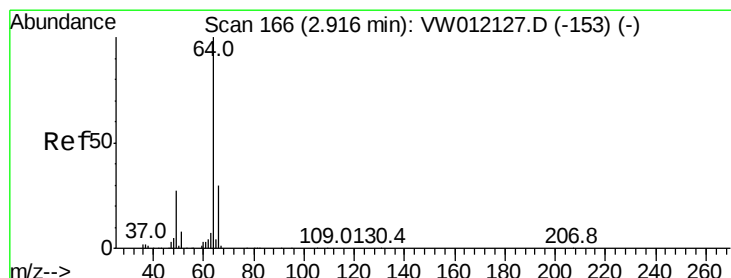
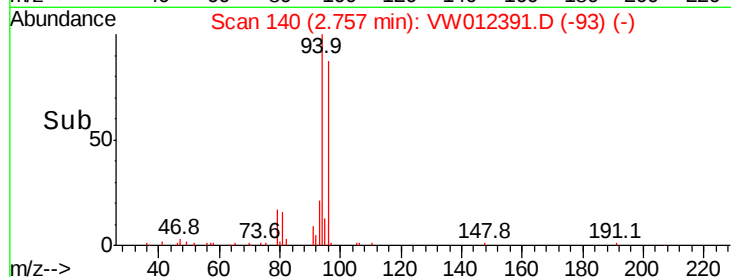
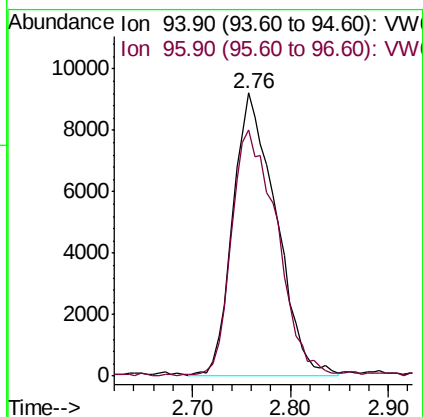
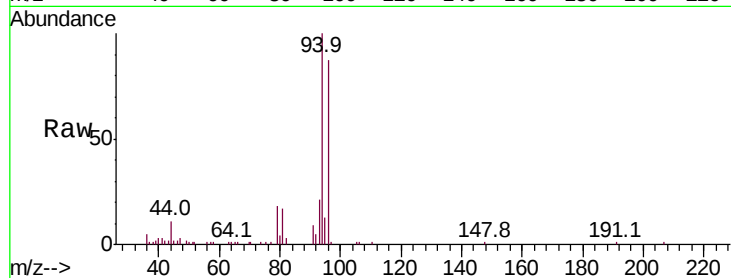
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 94 Resp: 28348

Ion Ratio Lower Upper

94 100

96 86.2 72.9 109.3



#6

Chloroethane

Concen: 20.159 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW012391.D

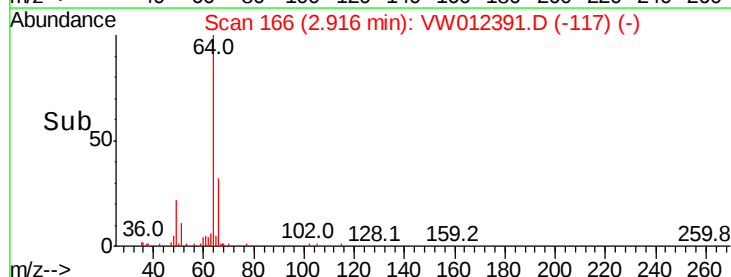
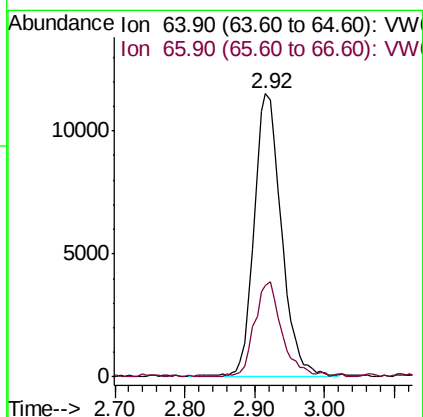
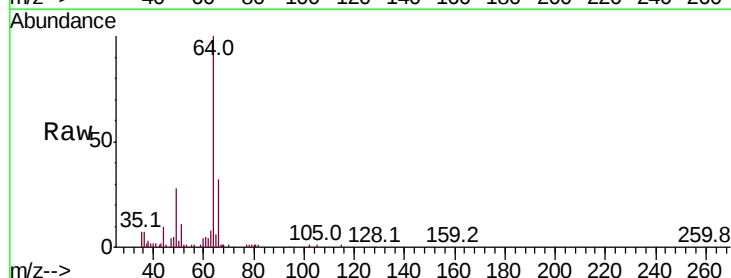
Acq: 31 Aug 2019 11:17

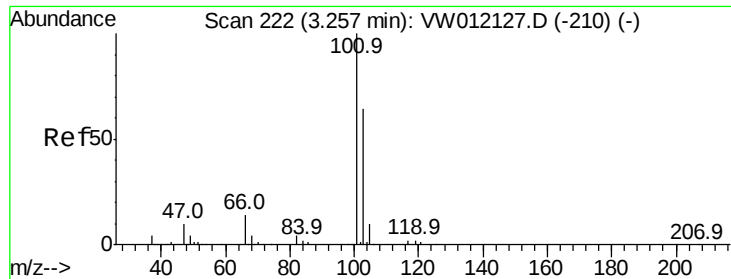
Tgt Ion: 64 Resp: 31368

Ion Ratio Lower Upper

64 100

66 31.7 23.8 35.8



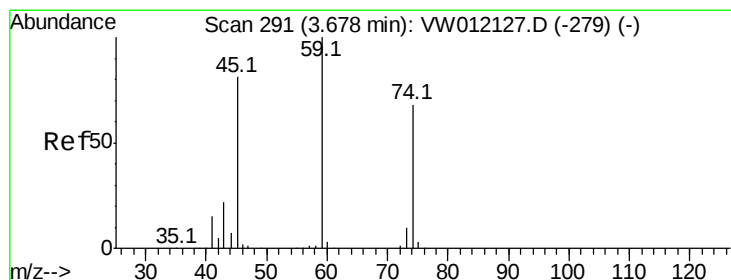
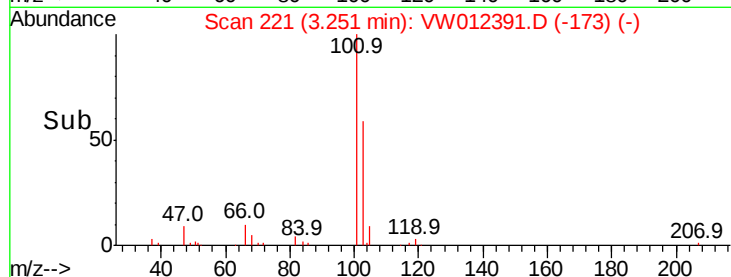
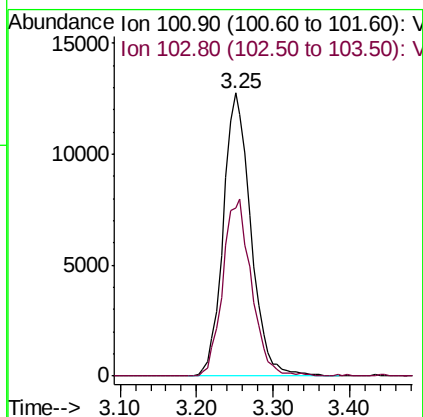
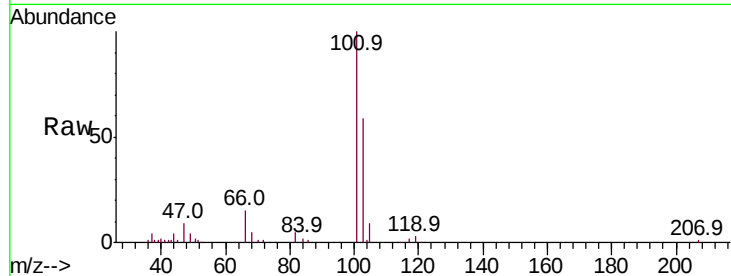


#7

Trichlorofluoromethane
 Concen: 22.989 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW012391.D
 Acq: 31 Aug 2019 11:17

Instrument :
 MSVOA_W
 ClientSampled :

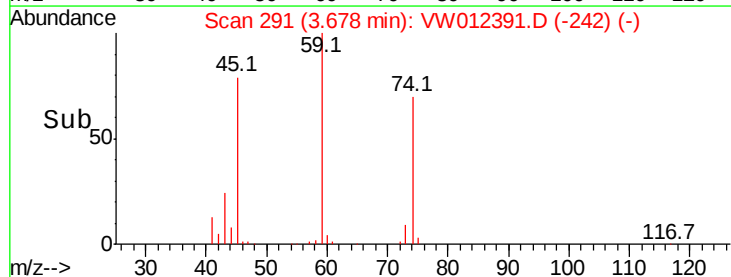
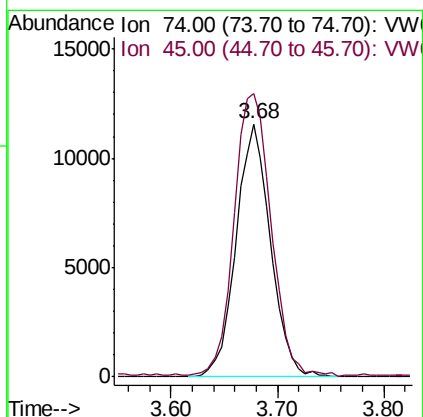
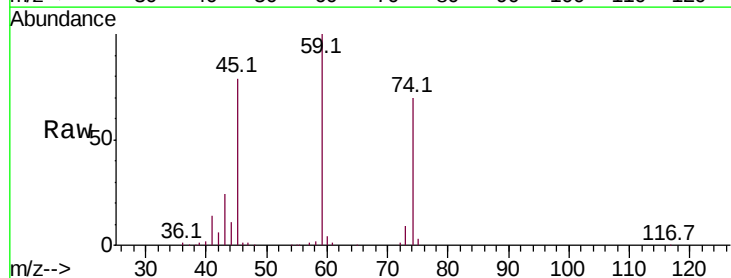
Tot Ion:101 Resp: 31840
 Ion Ratio Lower Upper
 101 100
 103 59.2 51.2 76.8

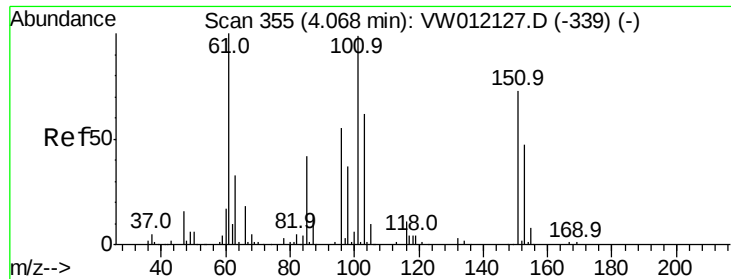


#8

Diethyl Ether
 Concen: 19.899 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012391.D
 Acq: 31 Aug 2019 11:17

Tgt Ion: 74 Resp: 26160
 Ion Ratio Lower Upper
 74 100
 45 120.2 59.2 177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.150 ug/l

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW012391.D

Acq: 31 Aug 2019 11:17

Instrument :

MSVOA_W

ClientSampleId :

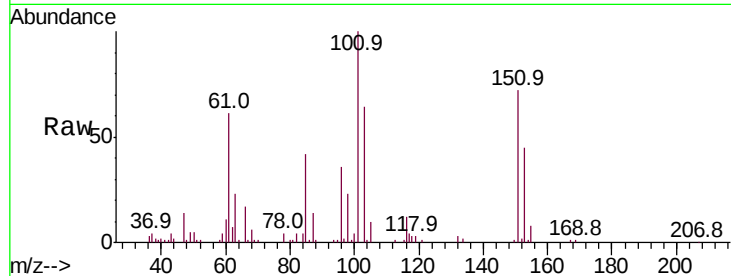
Tot Ion:101 Resp: 47438

Ion Ratio Lower Upper

101 100

85 47.4 35.8 53.6

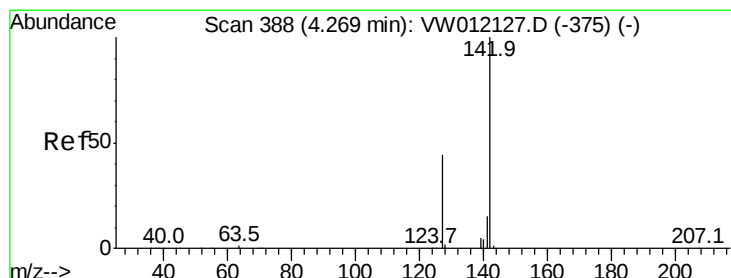
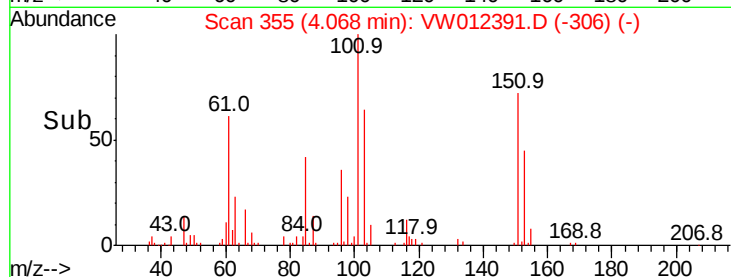
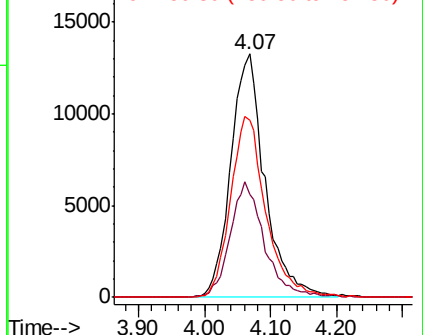
151 76.6 58.6 87.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.461 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW012391.D

Acq: 31 Aug 2019 11:17

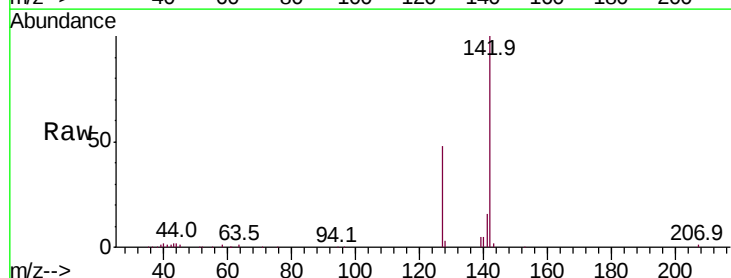
Tgt Ion:142 Resp: 61992

Ion Ratio Lower Upper

142 100

127 46.9 35.5 53.3

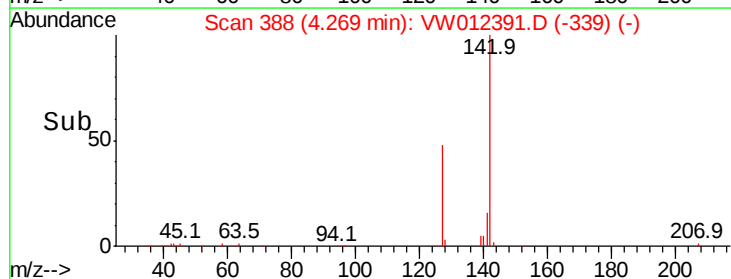
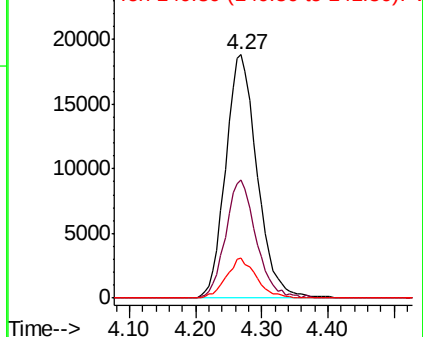
141 15.7 11.8 17.8

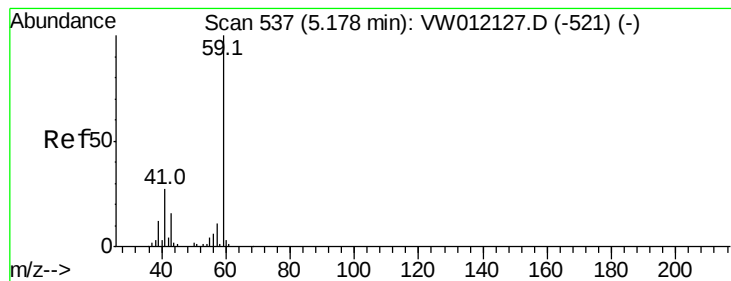


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 107.431 ug/l

RT: 5.16 min Scan# 534

Delta R.T. -0.02 min

Lab File: VW012391.D

Acq: 31 Aug 2019 11:17

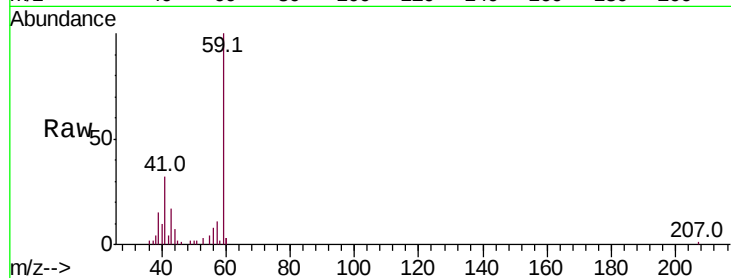
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 59 Resp: 18156

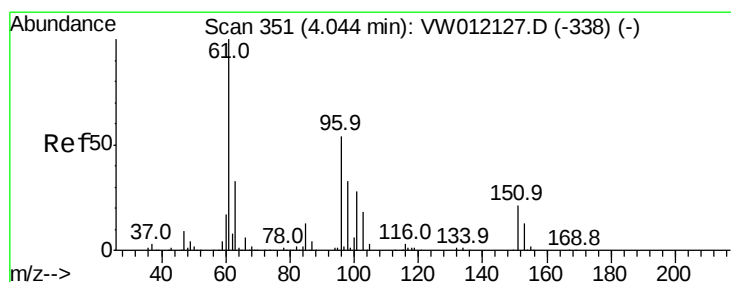
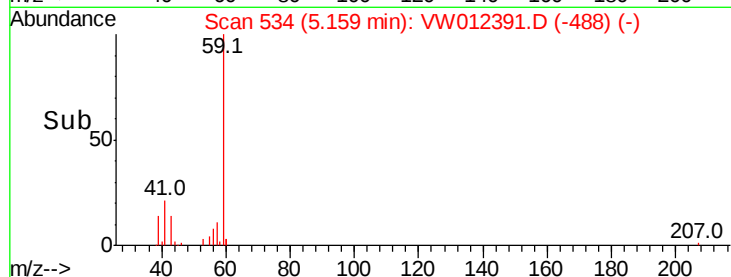
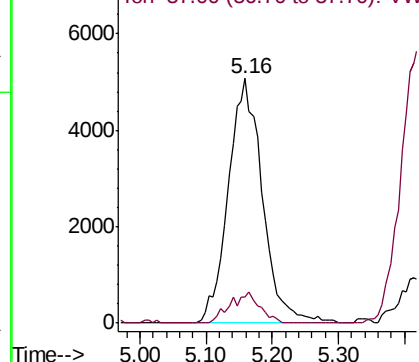
Ion Ratio Lower Upper

59 100

57 11.1 9.0 13.4



Abundance Ion 59.00 (58.70 to 59.70): VW
Ion 57.00 (56.70 to 57.70): VW



#12

1,1-Dichloroethene

Concen: 19.016 ug/l

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW012391.D

Acq: 31 Aug 2019 11:17

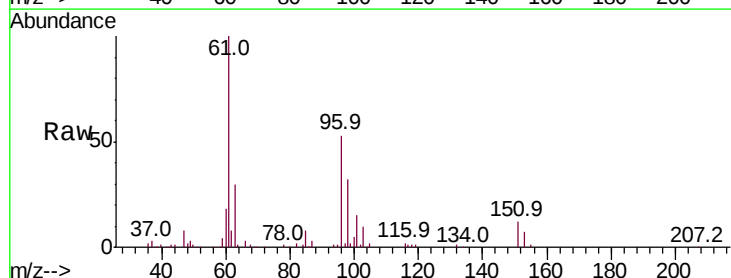
Tgt Ion: 96 Resp: 45060

Ion Ratio Lower Upper

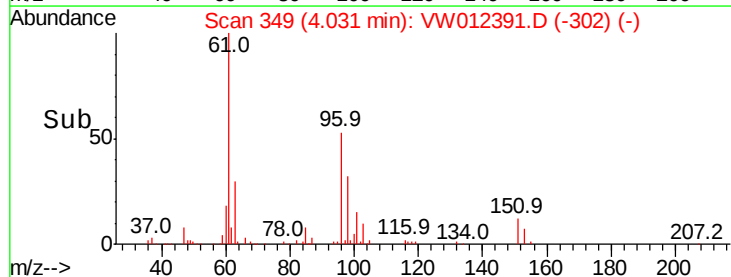
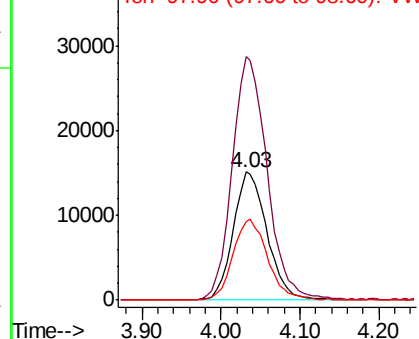
96 100

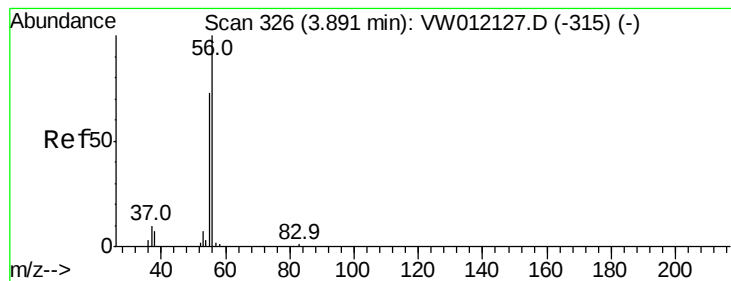
61 190.4 149.1 223.7

98 61.0 49.4 74.2



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





#13

Acrolein

Concen: 84.490 ug/l

RT: 3.88 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW012391.D

Acq: 31 Aug 2019 11:17

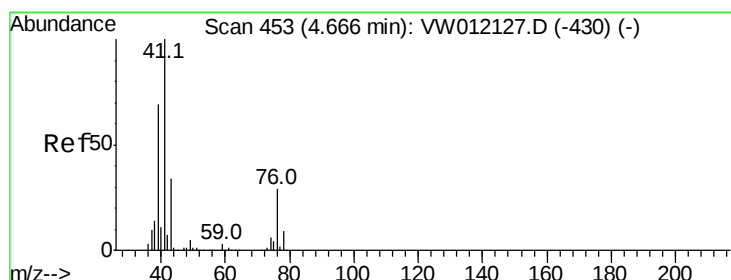
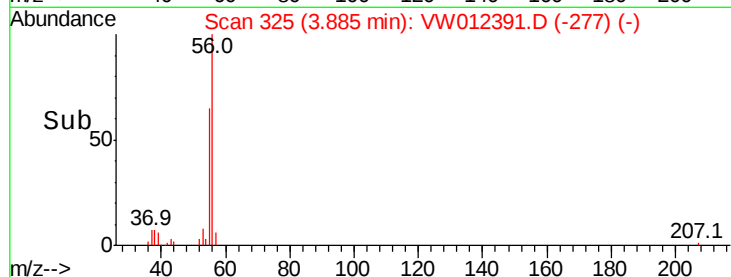
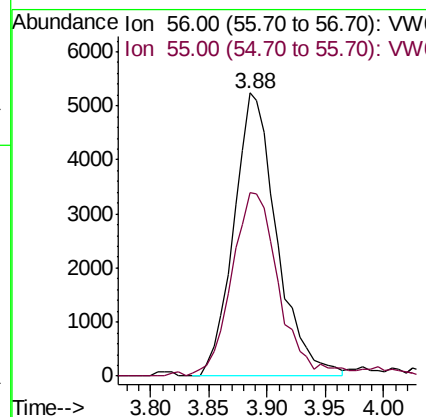
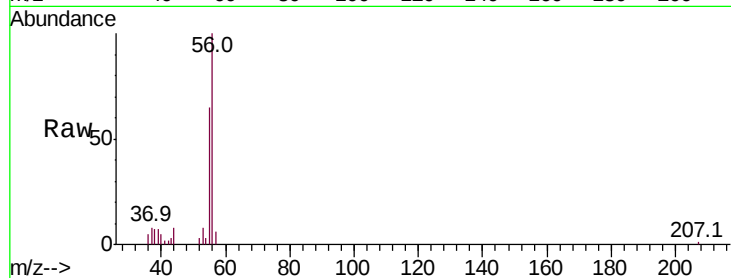
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 13441

Ion Ratio Lower Upper

56 100

55 71.3 55.8 83.8



#14

Allyl chloride

Concen: 19.984 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012391.D

Acq: 31 Aug 2019 11:17

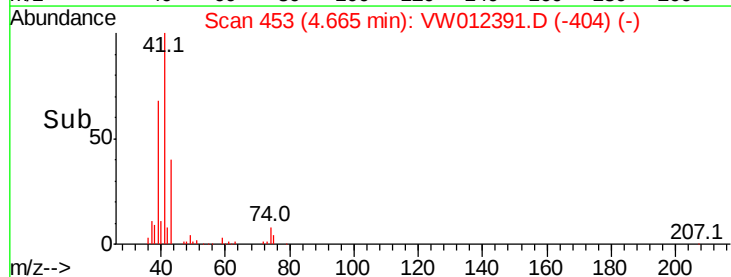
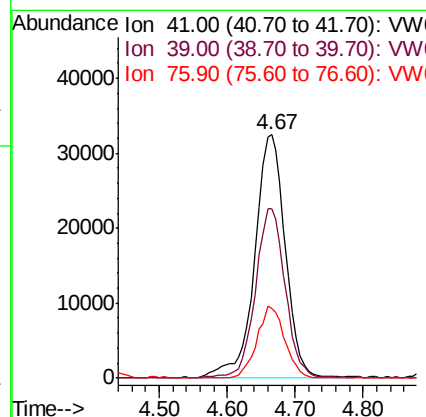
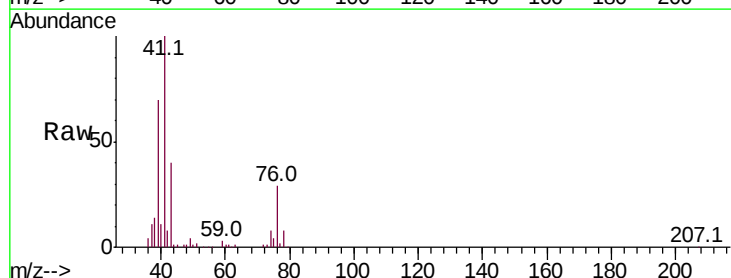
Tgt Ion: 41 Resp: 101237

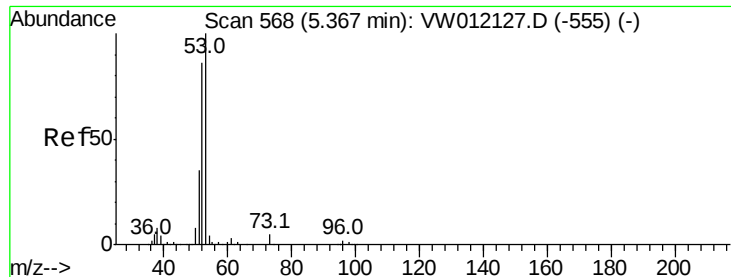
Ion Ratio Lower Upper

41 100

39 68.1 53.4 80.2

76 27.0 22.1 33.1





#15

Acrylonitrile

Concen: 104.318 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012391.D

Acq: 31 Aug 2019 11:17

Instrument :

MSVOA_W

ClientSampled :

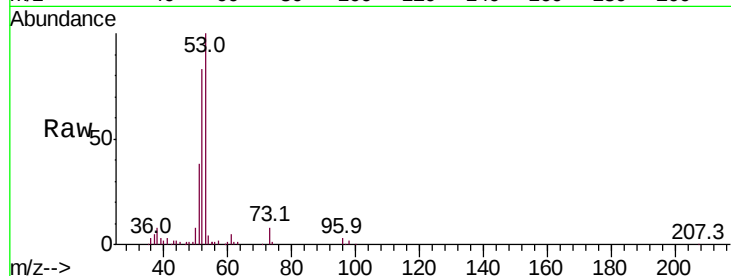
Tot Ion: 53 Resp: 67976

Ion Ratio Lower Upper

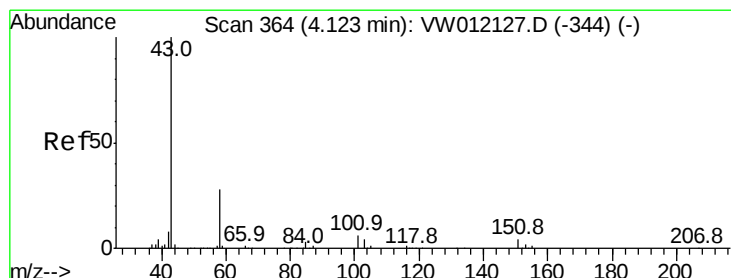
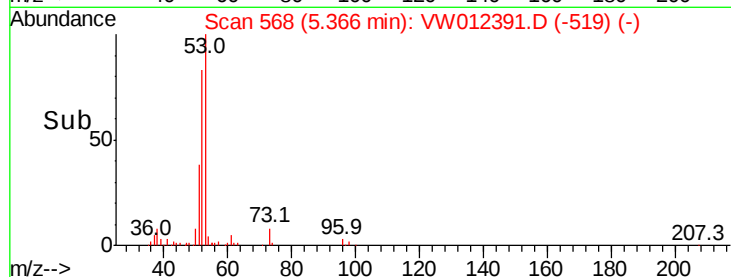
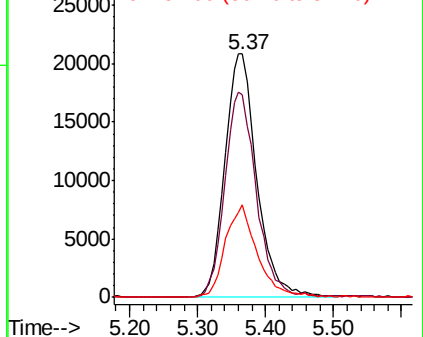
53 100

52 82.3 66.7 100.1

51 37.9 30.1 45.1



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



#16

Acetone

Concen: 93.464 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW012391.D

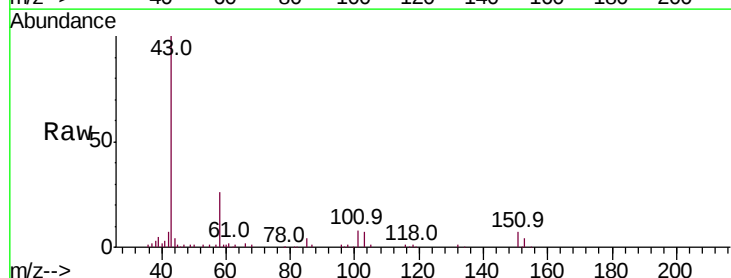
Acq: 31 Aug 2019 11:17

Tgt Ion: 43 Resp: 67094

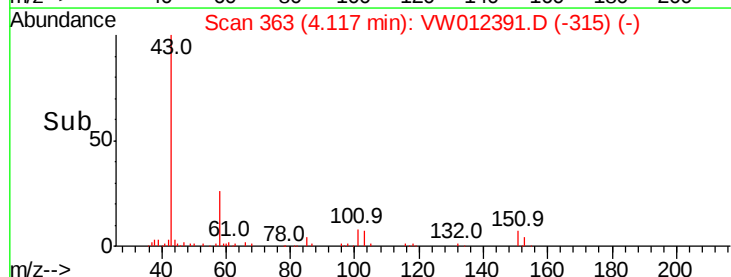
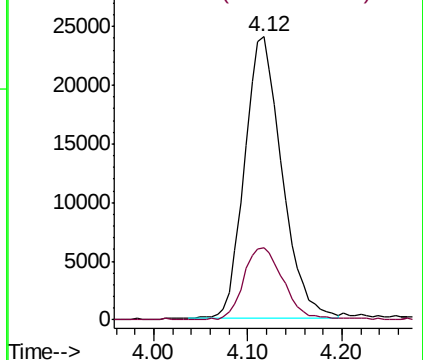
Ion Ratio Lower Upper

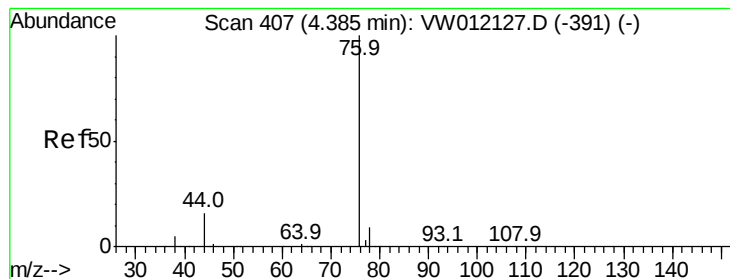
43 100

58 25.3 22.4 33.6



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





#17

Carbon Disulfide

Concen: 16.511 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW012391.D

Acq: 31 Aug 2019 11:17

Instrument :

MSVOA_W

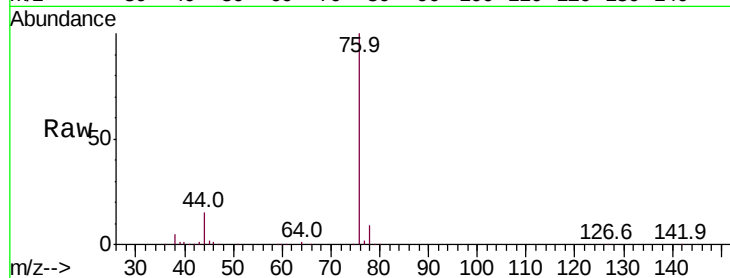
ClientSampleId :

Tot Ion: 76 Resp: 118242

Ion Ratio Lower Upper

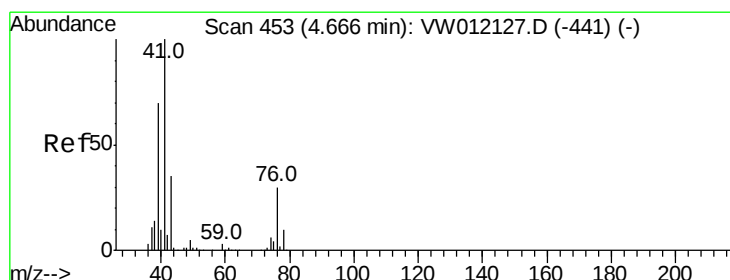
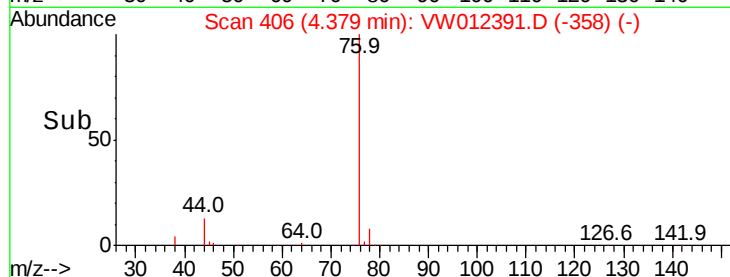
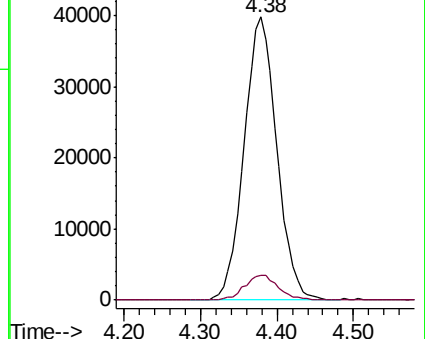
76 100

78 9.0 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 22.117 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012391.D

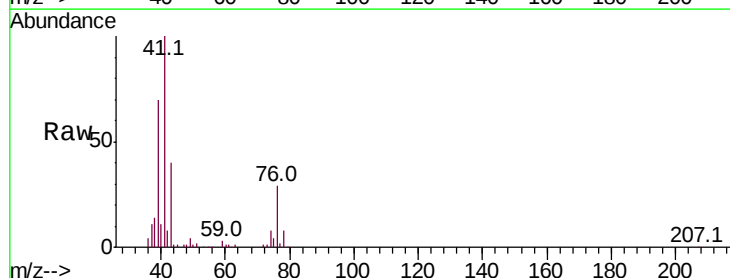
Acq: 31 Aug 2019 11:17

Tgt Ion: 43 Resp: 39325

Ion Ratio Lower Upper

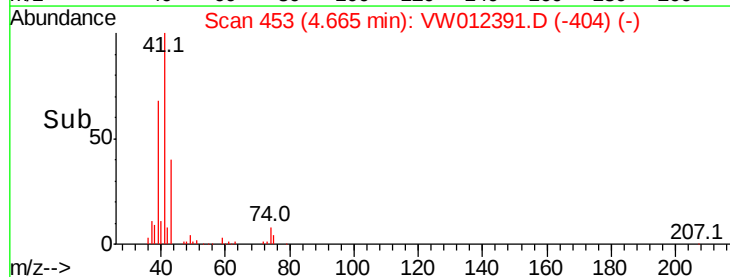
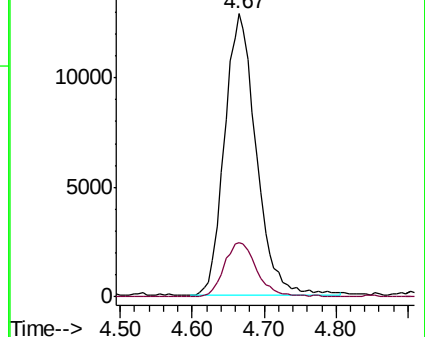
43 100

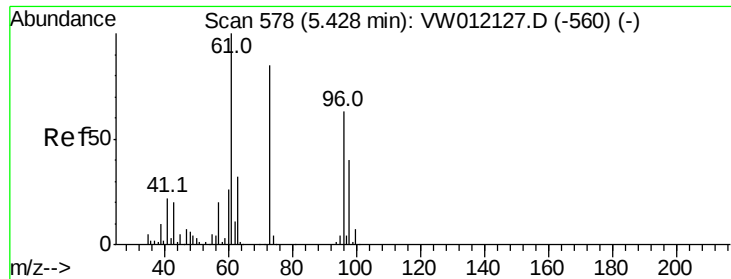
74 19.9 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

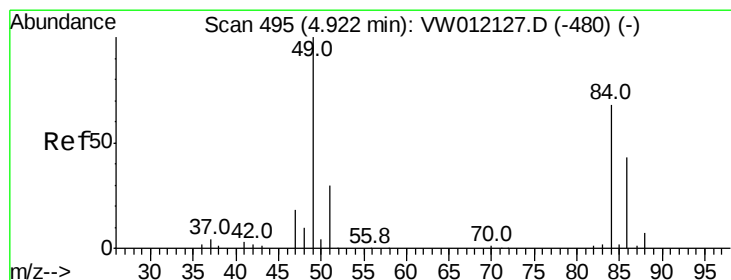
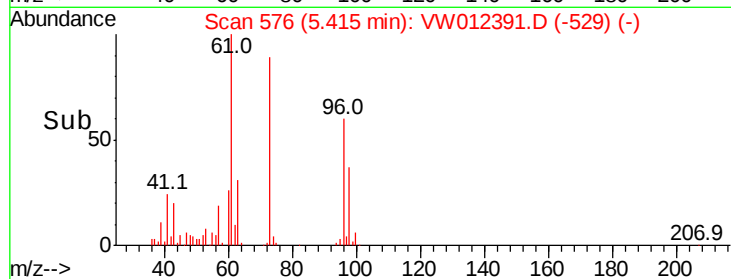
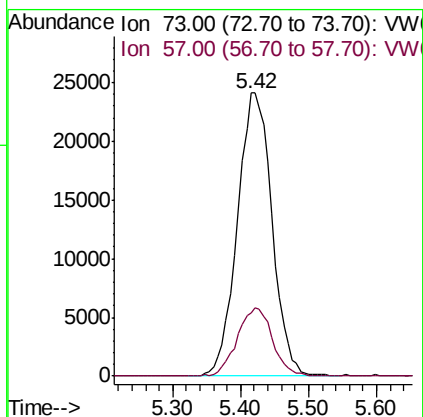
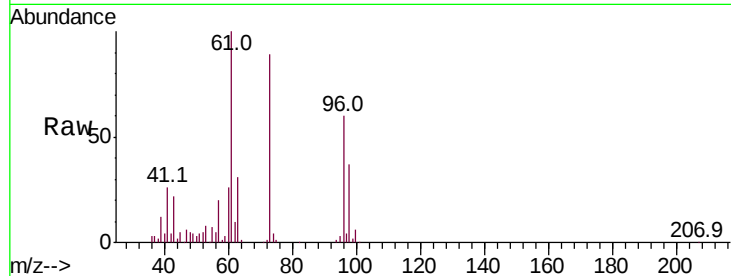




#19
Methyl tert-butyl Ether
Concen: 22.274 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW012391.D
Acq: 31 Aug 2019 11:17

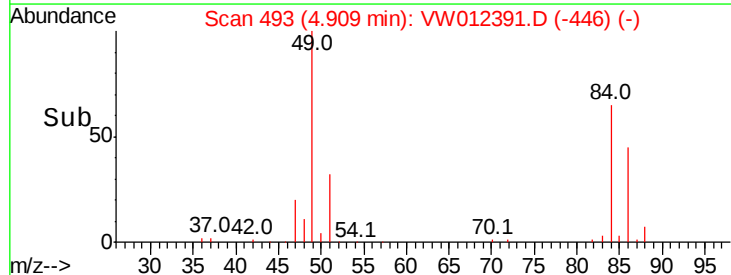
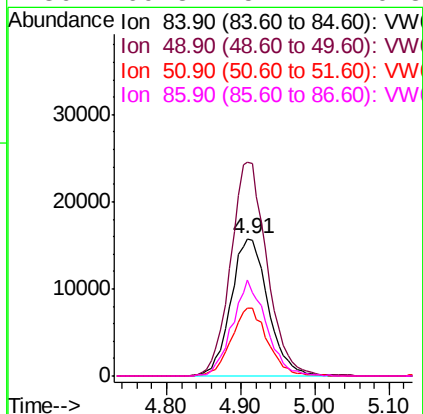
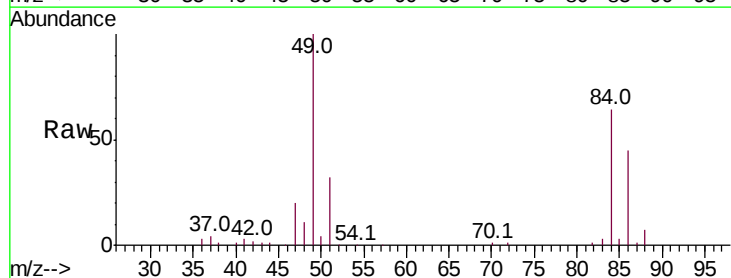
Instrument :
MSVOA_W
ClientSampled :

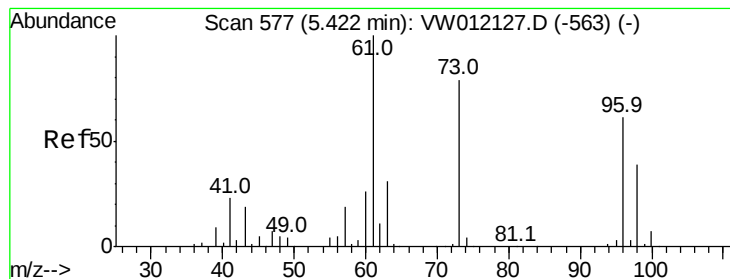
Tot Ion: 73 Resp: 85353
Ion Ratio Lower Upper
73 100
57 22.4 18.9 28.3



#20
Methylene Chloride
Concen: 20.229 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012391.D
Acq: 31 Aug 2019 11:17

Tgt Ion: 84 Resp: 54898
Ion Ratio Lower Upper
84 100
49 155.1 117.8 176.8
51 49.2 35.6 53.4
86 69.8 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 19.663 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW012391.D

Acq: 31 Aug 2019 11:17

Instrument :
MSVOA_W
ClientSampleId :

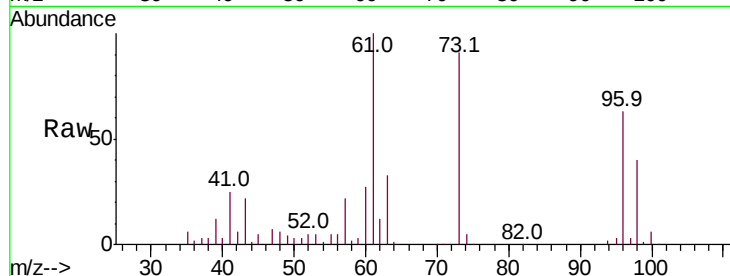
Tot Ion: 96 Resp: 49963

Ion Ratio Lower Upper

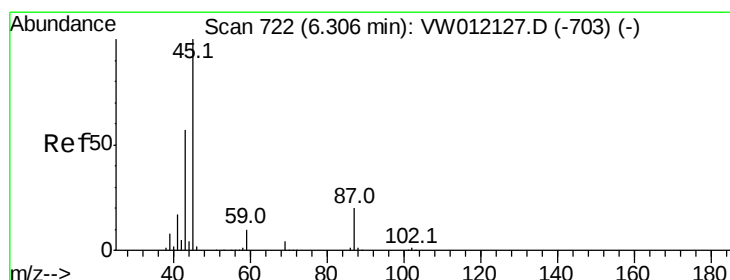
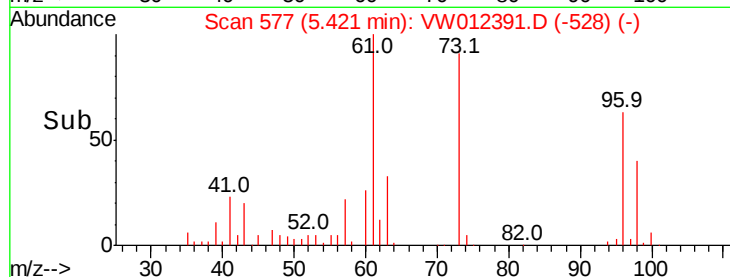
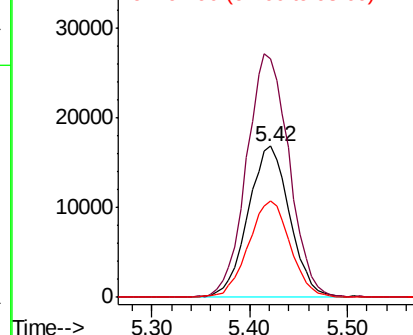
96 100

61 157.9 131.4 197.0

98 63.9 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: 21.744 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW012391.D

Acq: 31 Aug 2019 11:17

Tgt Ion: 45 Resp: 204176

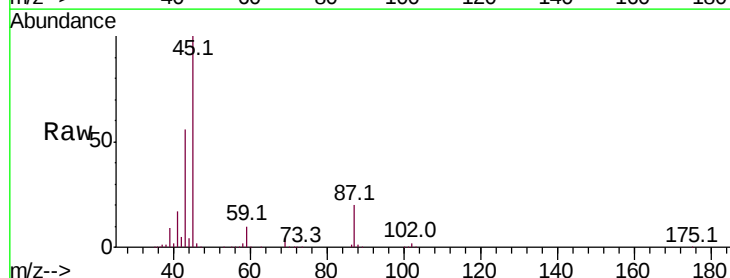
Ion Ratio Lower Upper

45 100

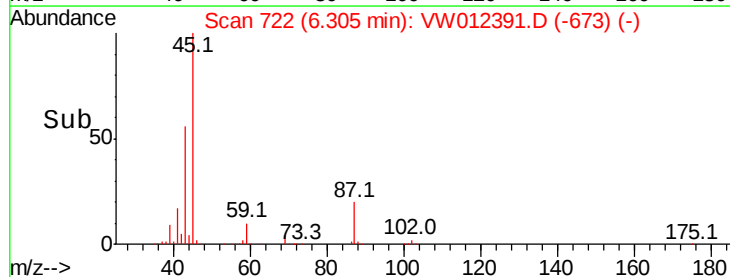
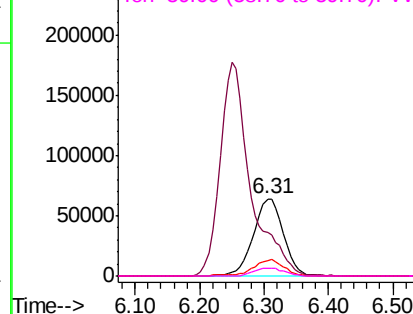
43 55.7 45.5 68.3

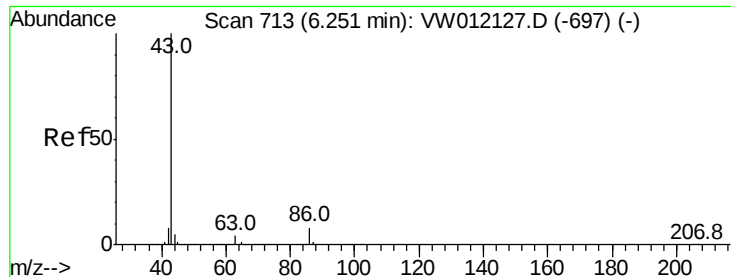
87 20.5 16.1 24.1

59 9.8 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: 101.847 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012391.D

Acq: 31 Aug 2019 11:17

Instrument :

MSVOA_W

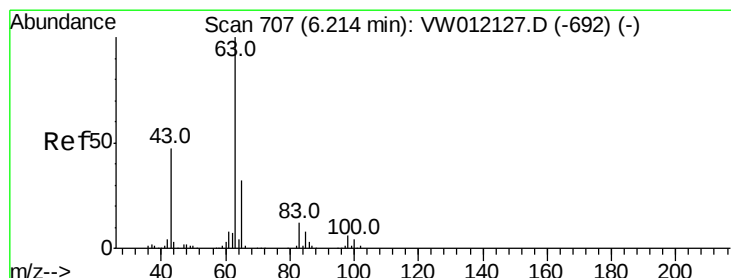
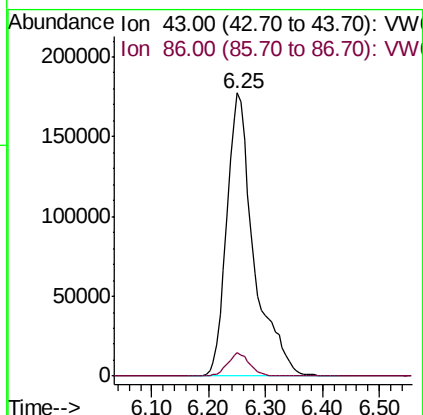
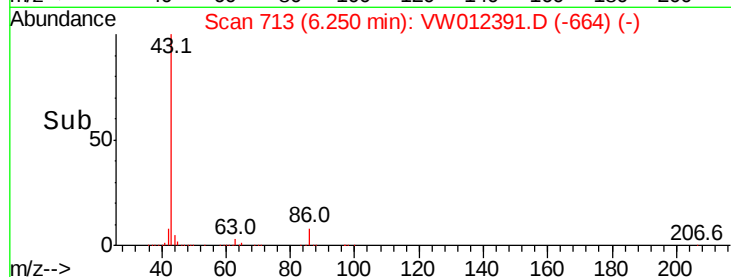
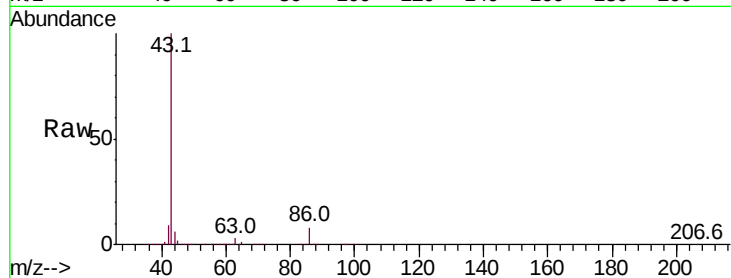
ClientSampleId :

Tot Ion: 43 Resp: 588545

Ion Ratio Lower Upper

43 100

86 8.3 6.5 9.7



#24

1,1-Dichloroethane

Concen: 20.810 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012391.D

Acq: 31 Aug 2019 11:17

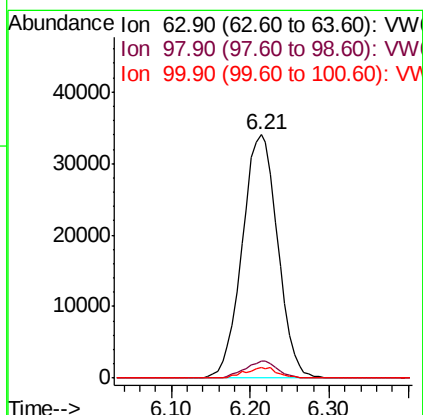
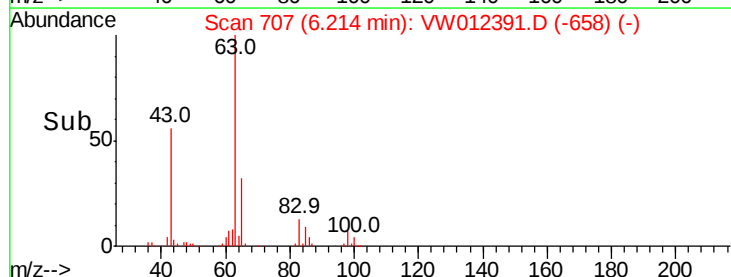
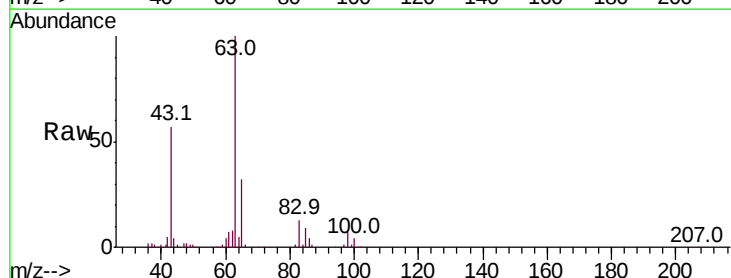
Tgt Ion: 63 Resp: 106397

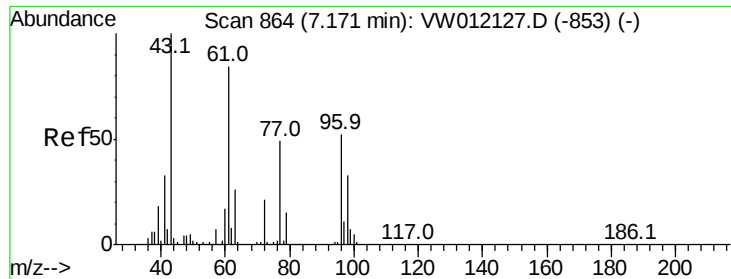
Ion Ratio Lower Upper

63 100

98 6.8 3.0 9.2

100 4.5 2.0 6.0

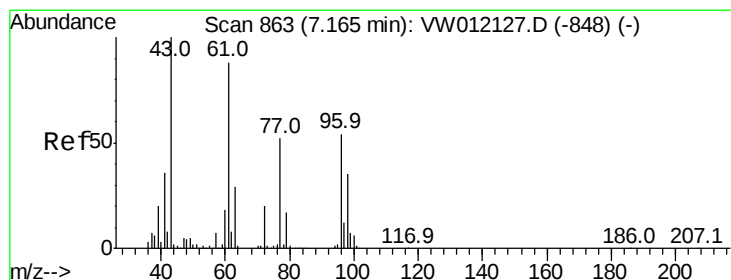
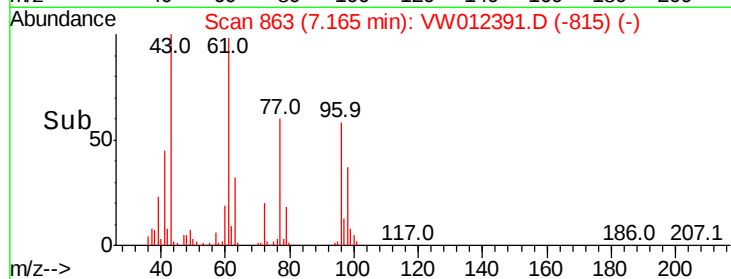
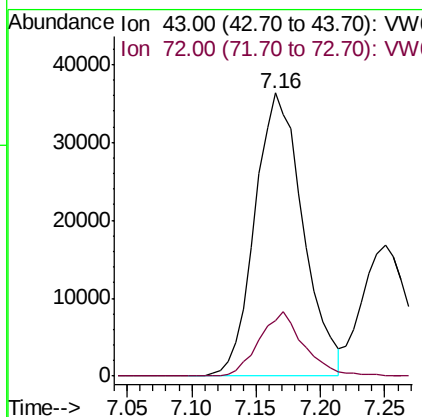
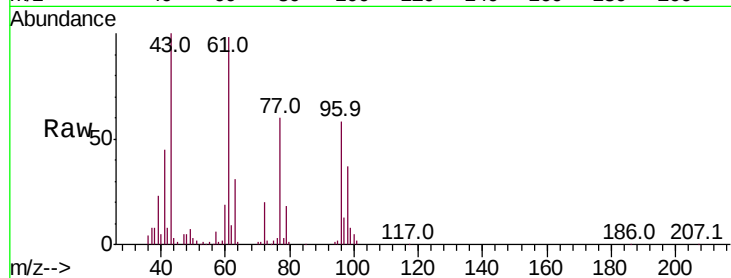




#25
2-Butanone
Concen: 96.283 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012391.D
Acq: 31 Aug 2019 11:17

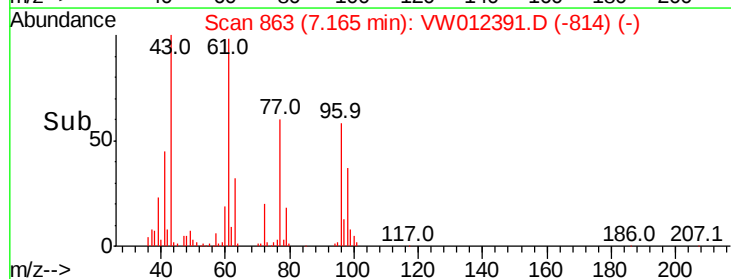
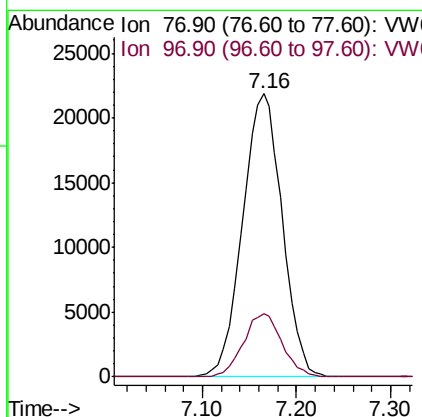
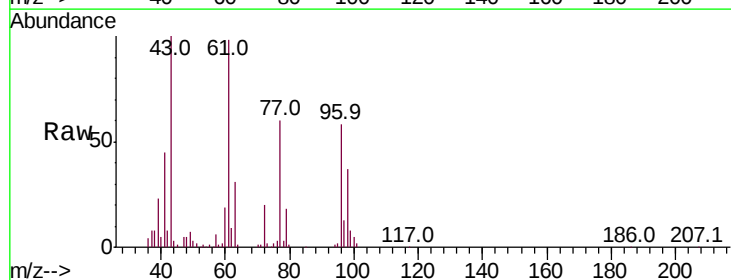
Instrument :
MSVOA_W
ClientSampled :

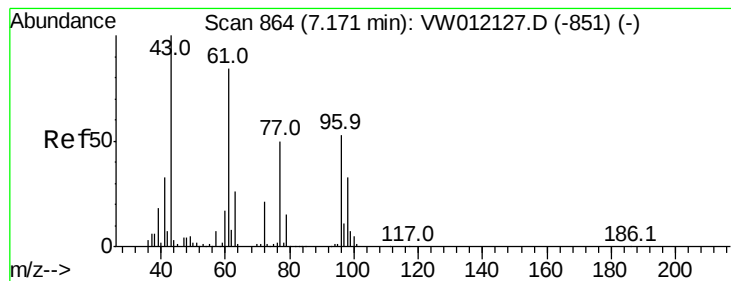
Tot Ion: 43 Resp: 93923
Ion Ratio Lower Upper
43 100
72 19.9 16.6 24.8



#26
2,2-Dichloropropane
Concen: 22.202 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW012391.D
Acq: 31 Aug 2019 11:17

Tgt Ion: 77 Resp: 64250
Ion Ratio Lower Upper
77 100
97 21.9 11.1 33.1



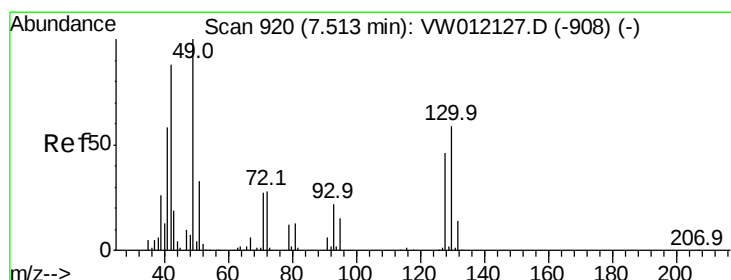
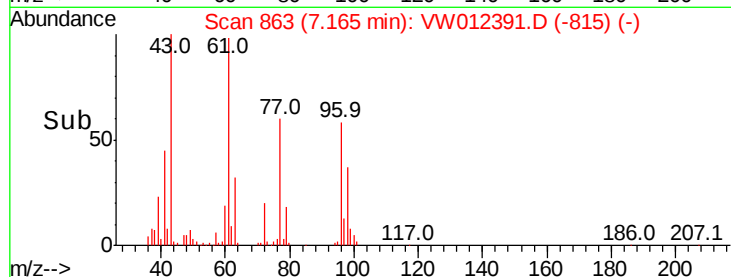
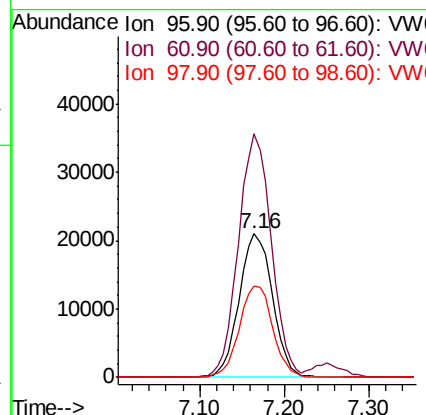
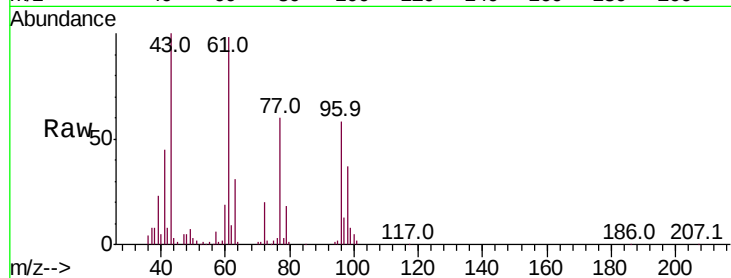


#27

cis-1,2-Dichloroethene
 Concen: 20.657 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW012391.D
 Acq: 31 Aug 2019 11:17

Instrument :
 MSVOA_W
 ClientSampled :

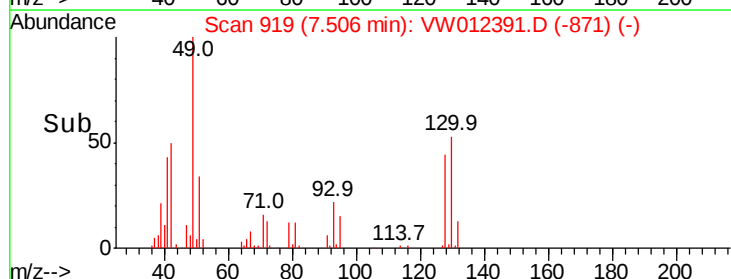
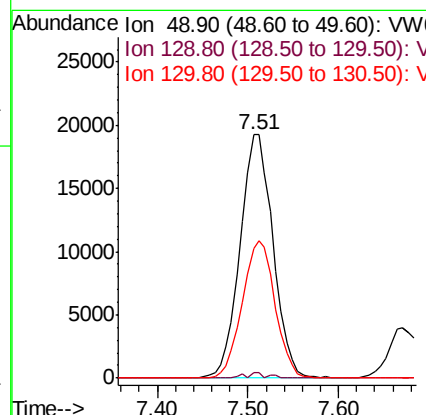
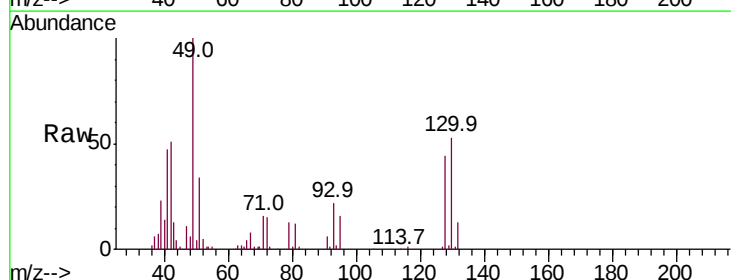
Tot Ion	96	Resp	56081
Ion	Ratio	Lower	Upper
96	100		
61	167.6	0.0	326.6
98	63.4	0.0	127.4

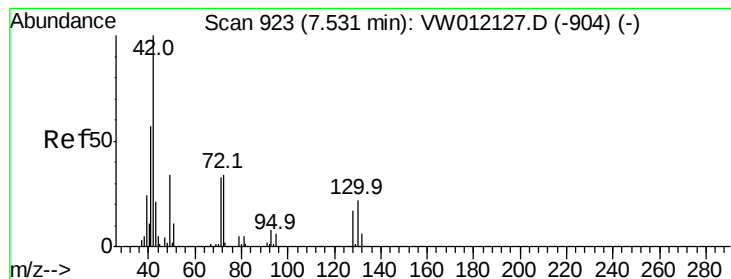


#28

Bromochloromethane
 Concen: 21.794 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW012391.D
 Acq: 31 Aug 2019 11:17

Tgt Ion	49	Resp	48565
Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	1.4
130	56.0	45.5	68.3





#29

Tetrahydrofuran

Concen: 101.187 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW012391.D

Acq: 31 Aug 2019 11:17

Instrument :

MSVOA_W

ClientSampled :

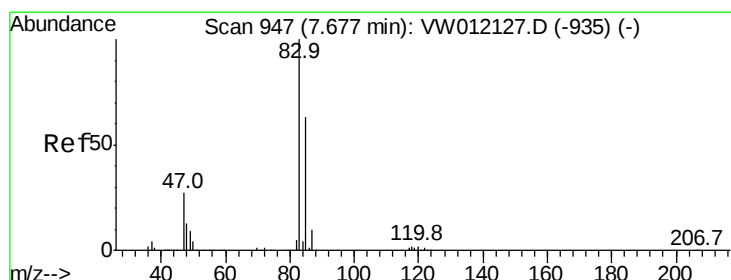
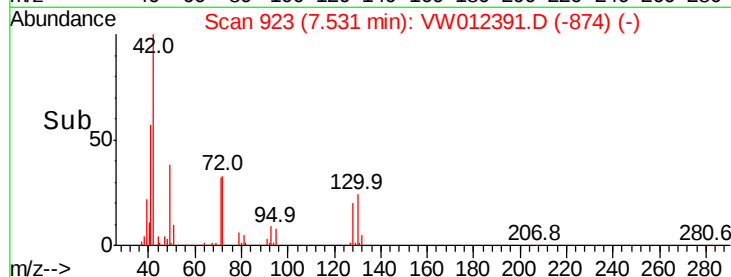
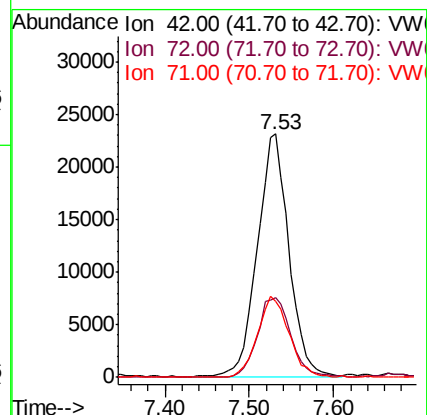
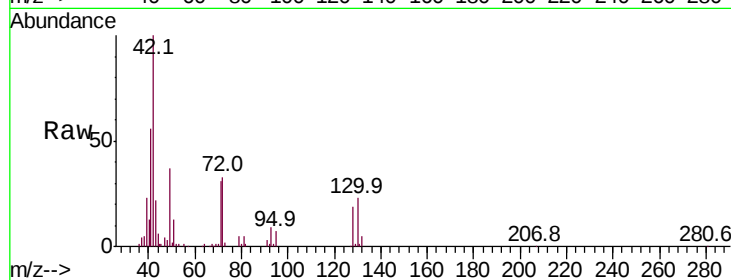
Tot Ion: 42 Resp: 59220

Ion Ratio Lower Upper

42 100

72 35.0 27.3 40.9

71 33.2 25.5 38.3



#30

Chloroform

Concen: 21.660 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW012391.D

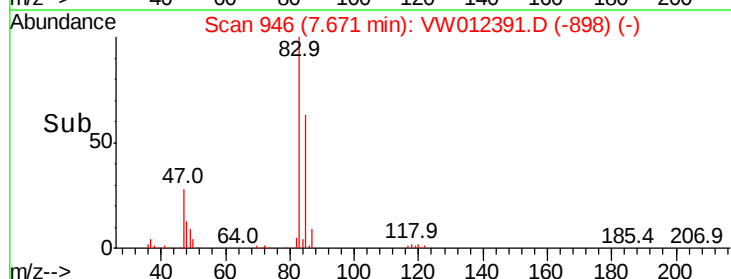
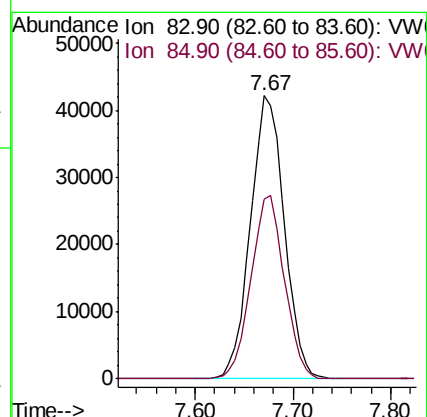
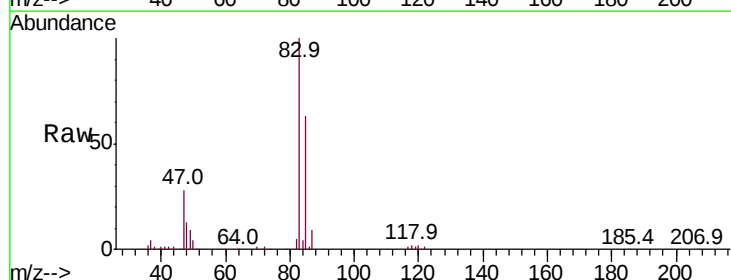
Acq: 31 Aug 2019 11:17

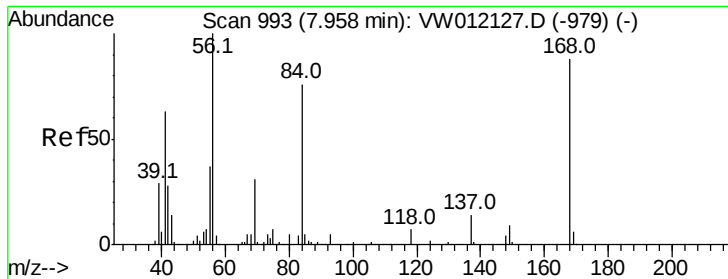
Tgt Ion: 83 Resp: 101315

Ion Ratio Lower Upper

83 100

85 63.4 50.6 76.0

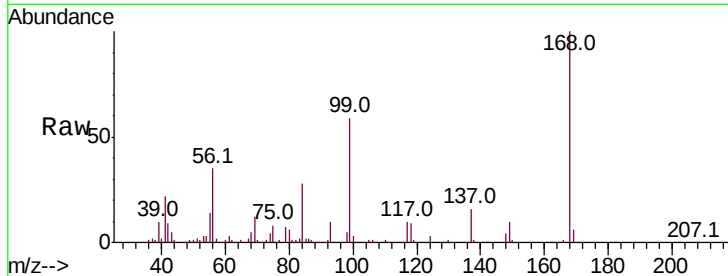




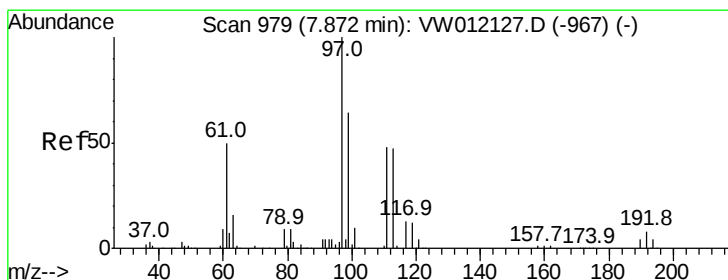
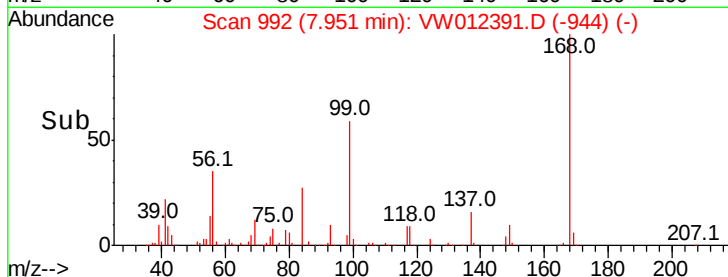
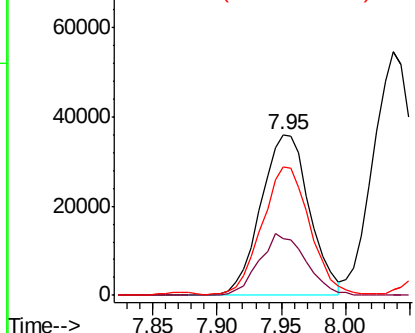
#31
Cyclohexane
Concen: 18.654 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW012391.D
Acq: 31 Aug 2019 11:17

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 94356
Ion Ratio Lower Upper
56 100
69 35.5 24.9 37.3
84 78.6 60.6 90.8

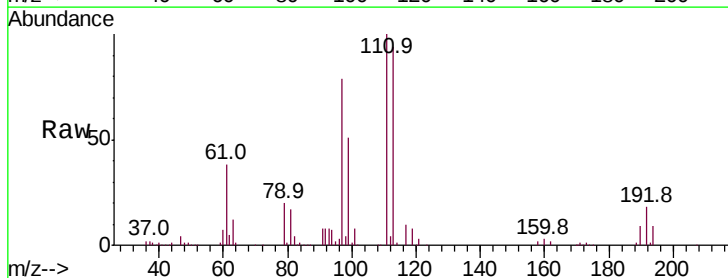


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

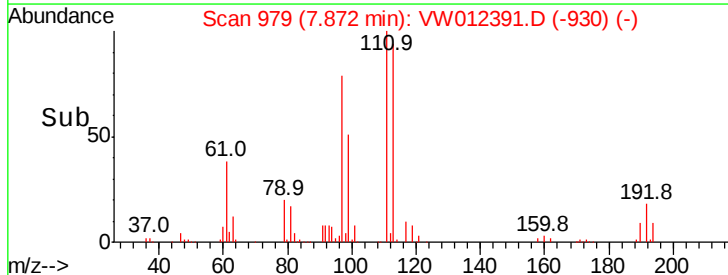
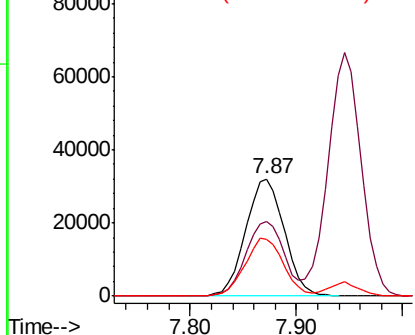


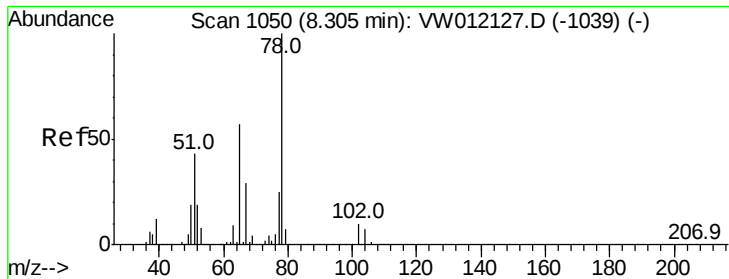
#32
1,1,1-Trichloroethane
Concen: 22.089 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW012391.D
Acq: 31 Aug 2019 11:17

Tgt Ion: 97 Resp: 81738
Ion Ratio Lower Upper
97 100
99 63.0 51.4 77.0
61 49.2 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: 52.257 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012391.D

Acq: 31 Aug 2019 11:17

Instrument :

MSVOA_W

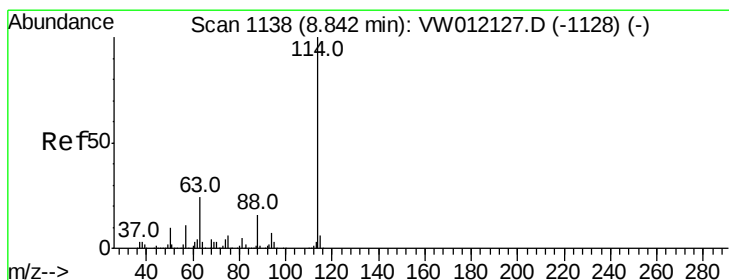
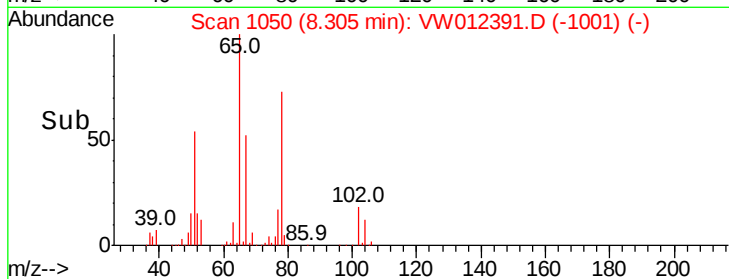
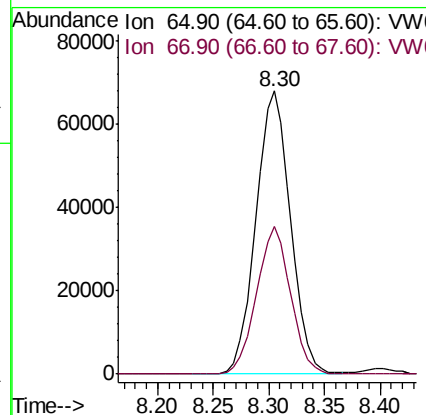
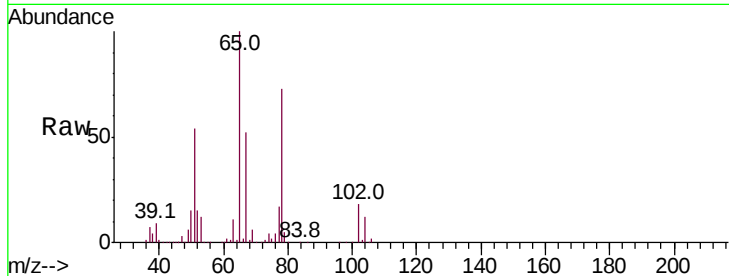
ClientSampleId :

Tot Ion: 65 Resp: 146754

Ion Ratio Lower Upper

65 100

67 51.3 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: VW012391.D

Acq: 31 Aug 2019 11:17

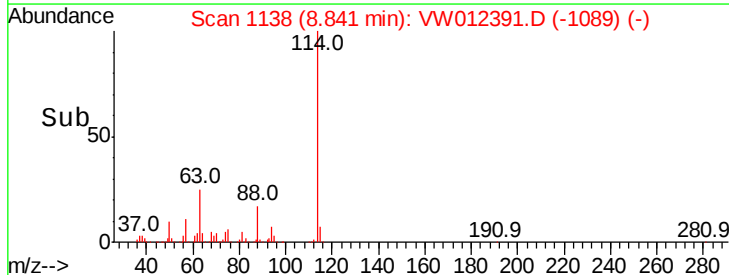
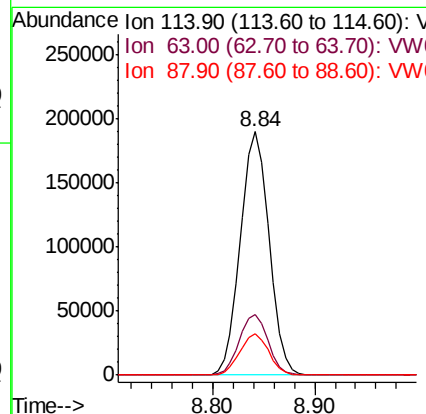
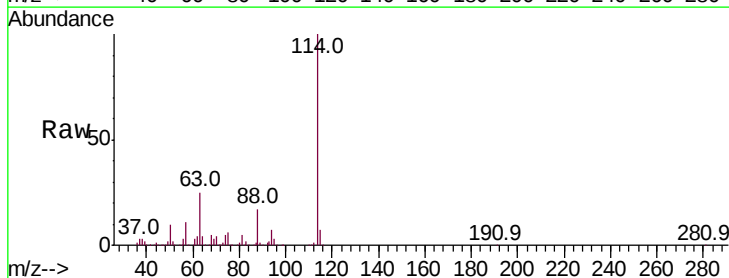
Tgt Ion: 114 Resp: 371191

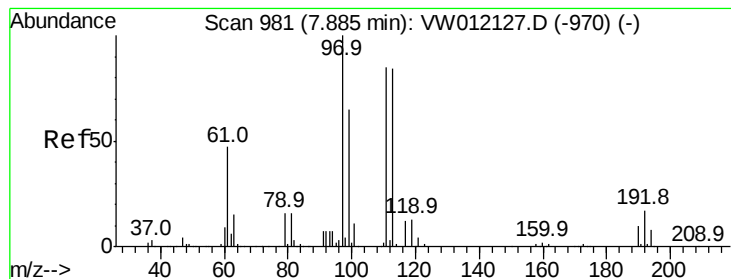
Ion Ratio Lower Upper

114 100

63 25.1 0.0 48.6

88 17.2 0.0 32.2





#35

Dibromofluoromethane

Concen: 52.702 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012391.D

Acq: 31 Aug 2019 11:17

Instrument :

MSVOA_W

ClientSampled :

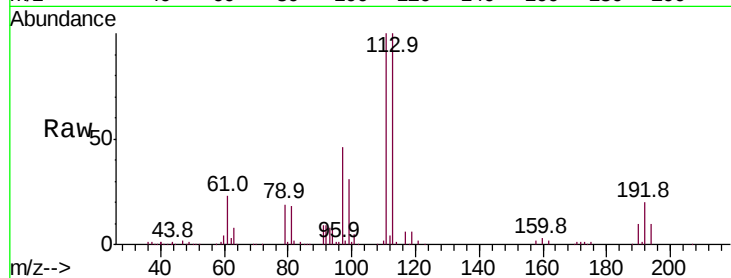
Tot Ion:113 Resp: 116769

Ion Ratio Lower Upper

113 100

111 101.5 82.7 124.1

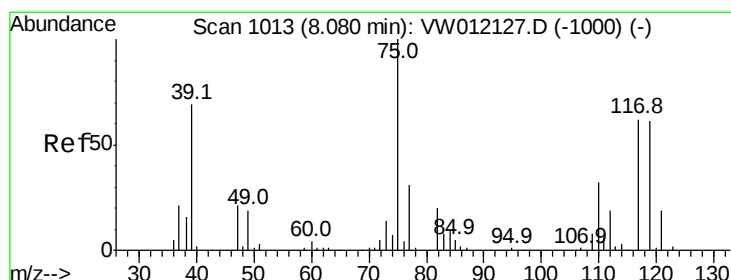
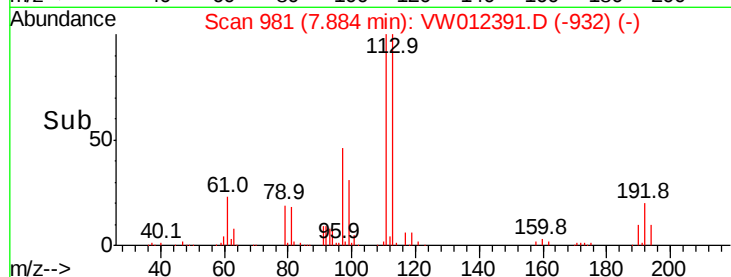
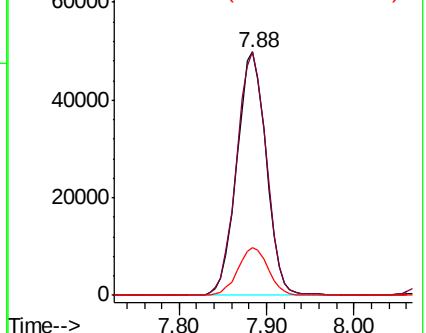
192 20.1 16.2 24.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.818 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW012391.D

Acq: 31 Aug 2019 11:17

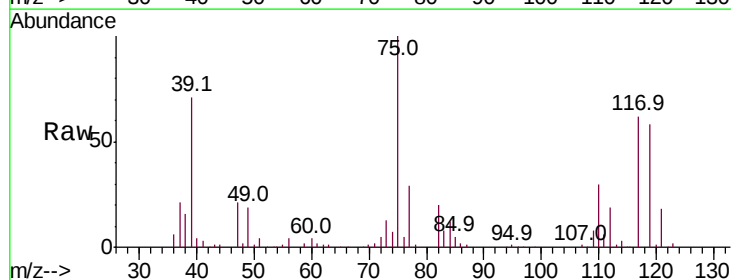
Tgt Ion: 75 Resp: 79853

Ion Ratio Lower Upper

75 100

110 31.3 15.6 46.8

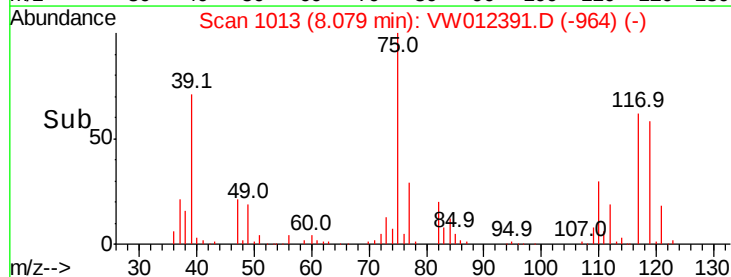
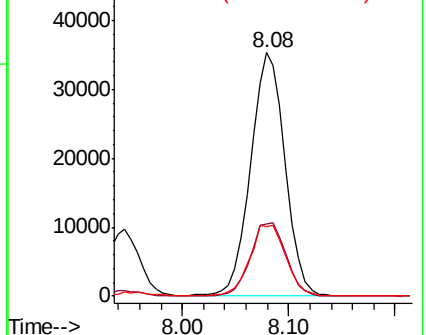
77 31.0 24.6 36.8

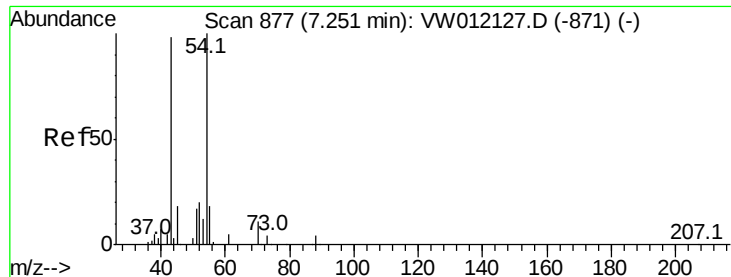


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

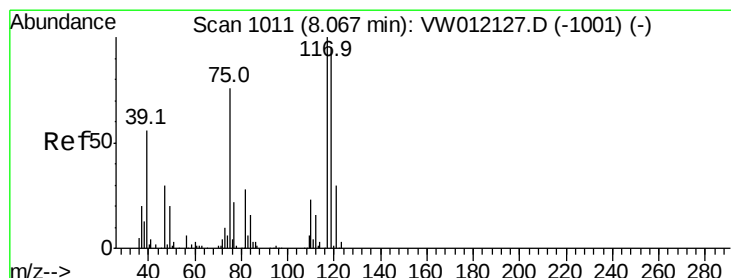
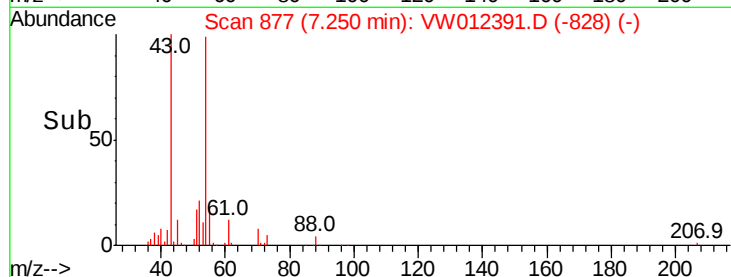
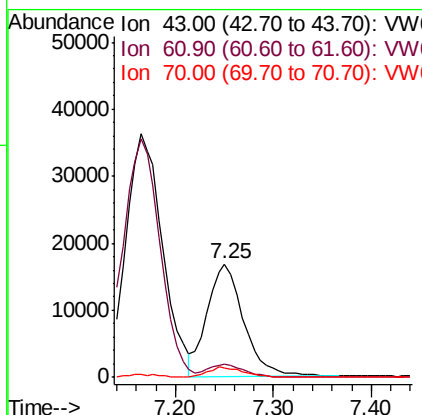
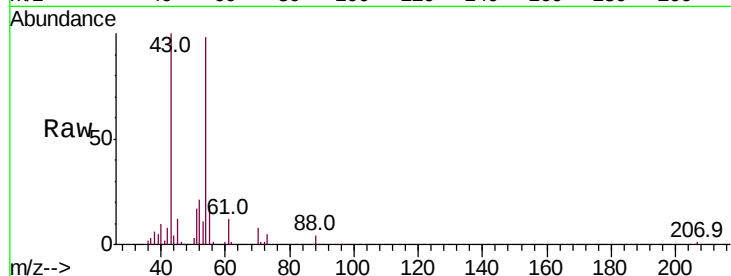




#37
Ethyl Acetate
Concen: 20.542 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012391.D
Acq: 31 Aug 2019 11:17

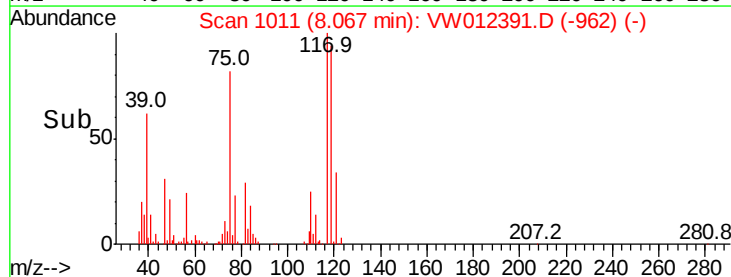
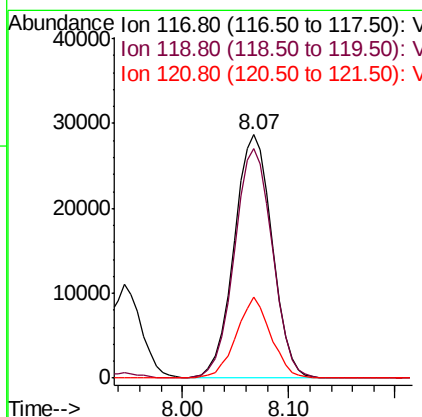
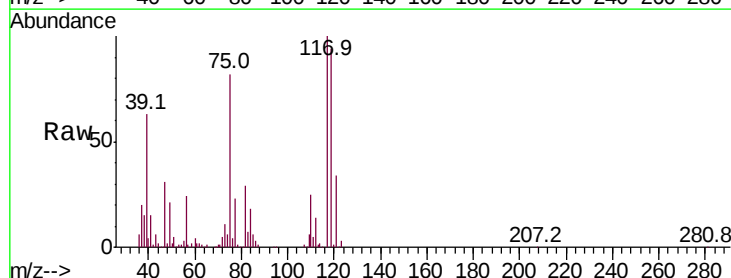
Instrument :
MSVOA_W
ClientSampleId :

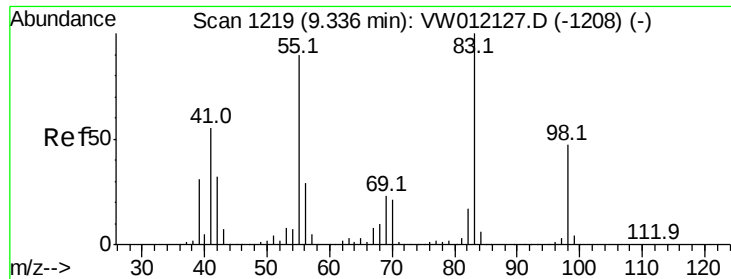
Tot Ion: 43 Resp: 43179
Ion Ratio Lower Upper
43 100
61 12.3 9.2 13.8
70 8.8 6.9 10.3



#38
Carbon Tetrachloride
Concen: 21.641 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012391.D
Acq: 31 Aug 2019 11:17

Tgt Ion: 117 Resp: 71849
Ion Ratio Lower Upper
117 100
119 94.4 76.2 114.2
121 33.5 23.8 35.8

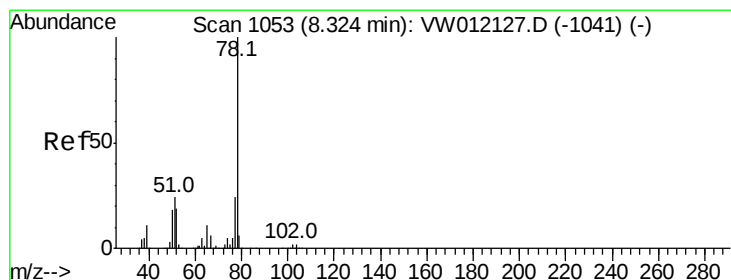
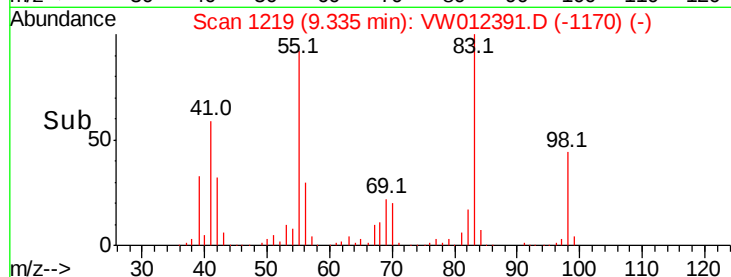
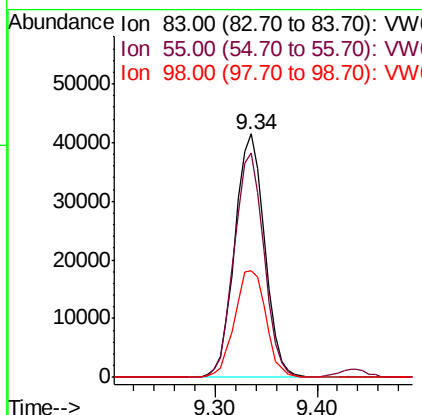
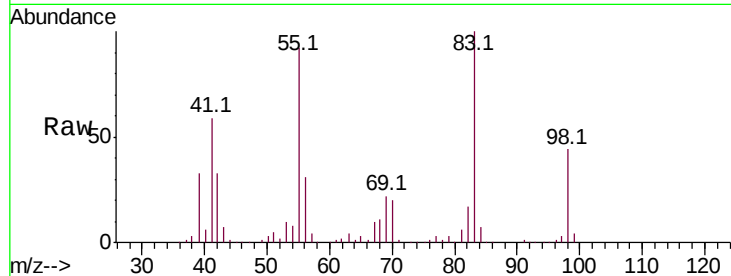




#39
Methvlcvclohexane
Concen: 19.481 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012391.D
Acq: 31 Aug 2019 11:17

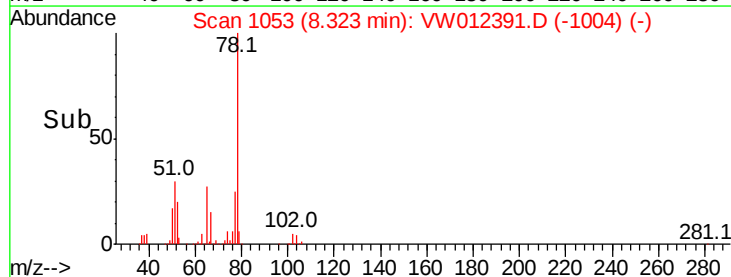
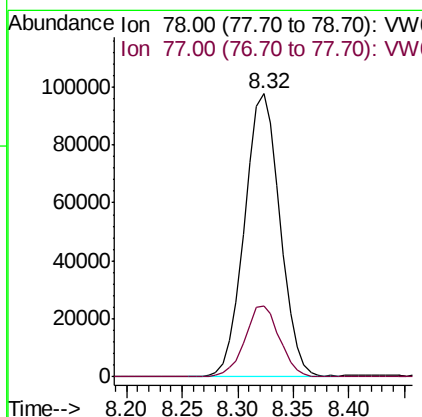
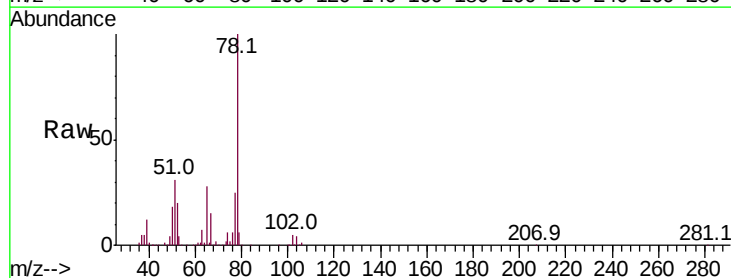
Instrument :
MSVOA_W
ClientSampleId :

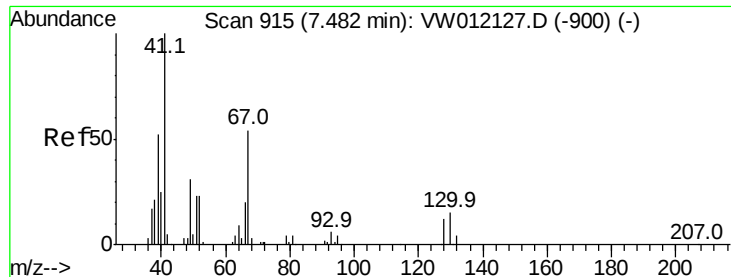
Tot Ion: 83 Resp: 83948
Ion Ratio Lower Upper
83 100
55 91.9 71.8 107.8
98 44.0 37.8 56.8



#40
Benzene
Concen: 20.781 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012391.D
Acq: 31 Aug 2019 11:17

Tgt Ion: 78 Resp: 217663
Ion Ratio Lower Upper
78 100
77 24.9 19.5 29.3





#41

Methacrylonitrile

Concen: 21.604 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

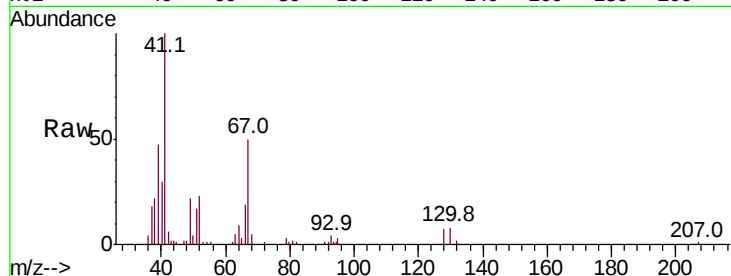
Lab File: VW012391.D

Acq: 31 Aug 2019 11:17

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 41 Resp: 26690

Ion	Ratio	Lower	Upper
41	100		
39	53.2	45.8	68.8
67	55.0	46.2	69.4
52	25.9	21.0	31.6



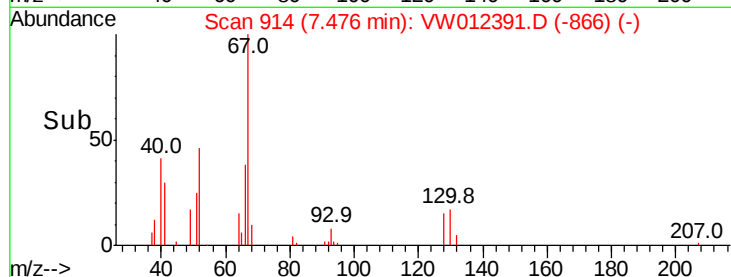
Abundance

Ion 41.00 (40.70 to 41.70): VW

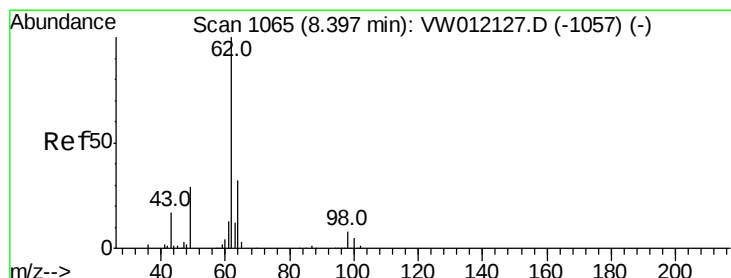
Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



Time-->



#42

1,2-Dichloroethane

Concen: 22.080 ug/l

RT: 8.40 min Scan# 1065

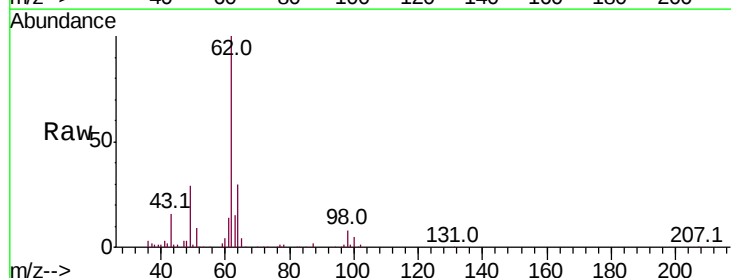
Delta R.T. -0.00 min

Lab File: VW012391.D

Acq: 31 Aug 2019 11:17

Tgt Ion: 62 Resp: 72482

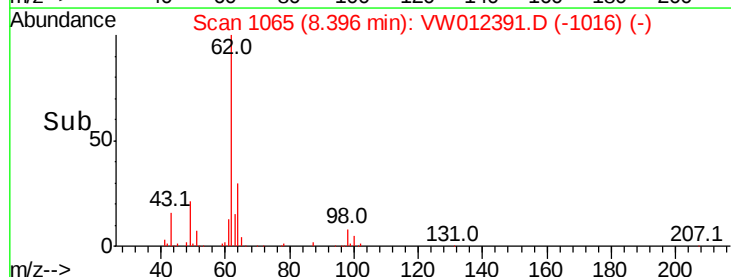
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.6



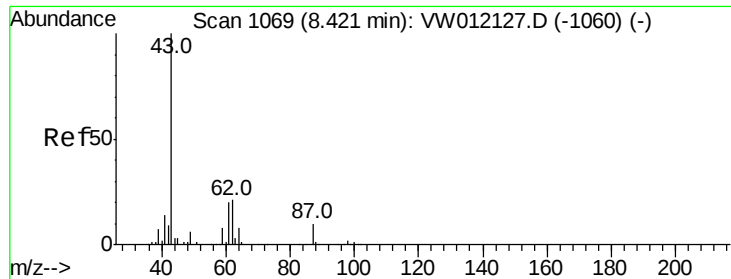
Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW



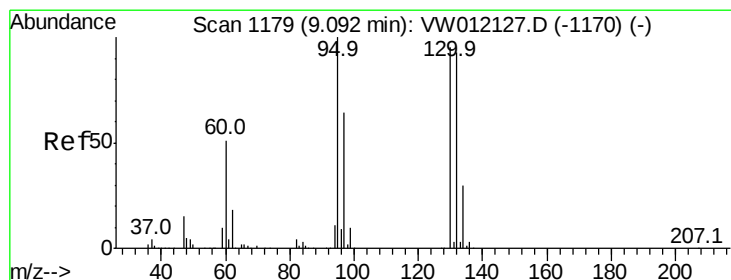
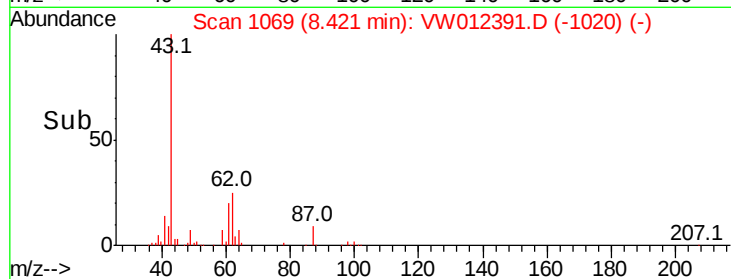
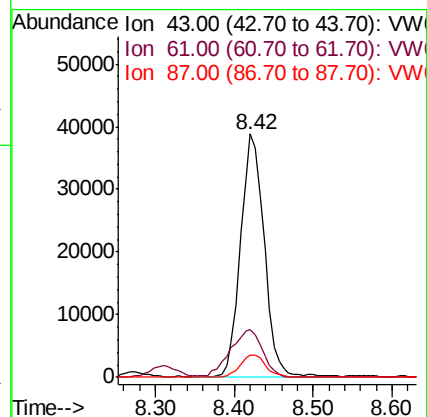
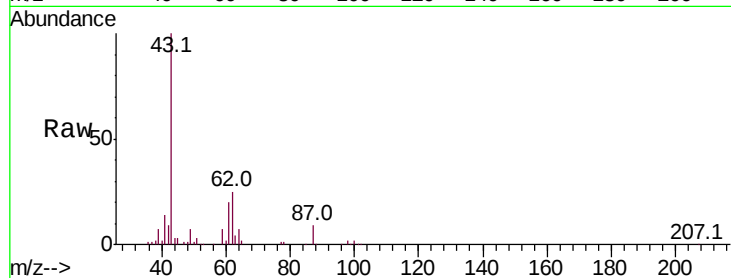
Time-->



#43
Isopropyl Acetate
Concen: 20.862 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW012391.D
Acq: 31 Aug 2019 11:17

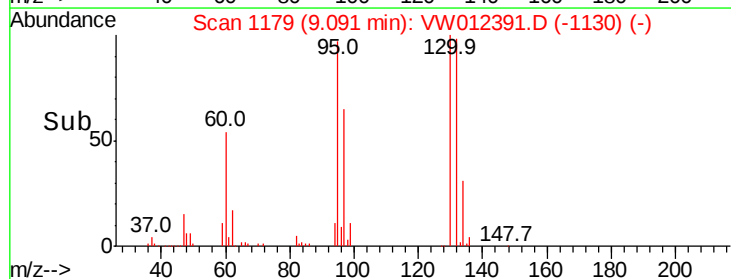
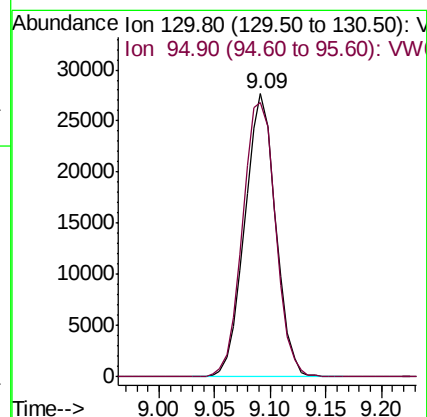
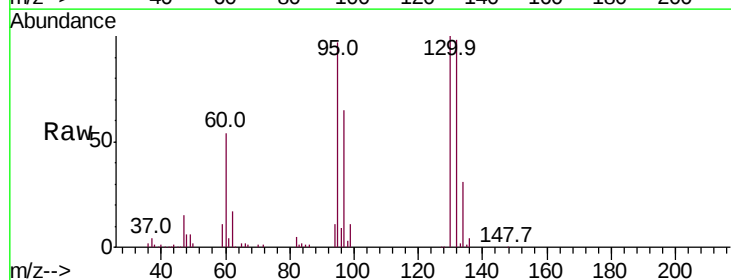
Instrument :
MSVOA_W
ClientSampled :

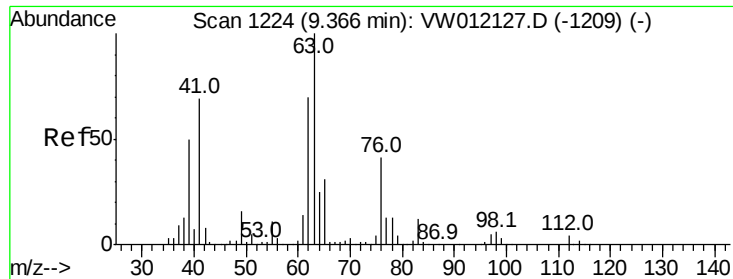
Tot Ion: 43 Resp: 81227
Ion Ratio Lower Upper
43 100
61 26.7 21.1 31.7
87 9.9 8.2 12.2



#44
Trichloroethene
Concen: 20.920 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW012391.D
Acq: 31 Aug 2019 11:17

Tgt Ion: 130 Resp: 53267
Ion Ratio Lower Upper
130 100
95 97.0 0.0 210.6





#45

1,2-Dichloropropane

Concen: 21.128 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW012391.D

Acq: 31 Aug 2019 11:17

Instrument :

MSVOA_W

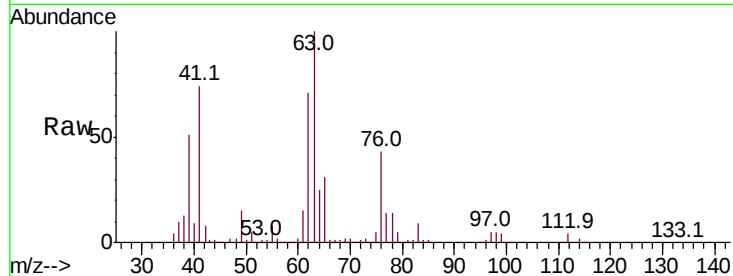
ClientSampleId :

Tot Ion: 63 Resp: 59557

Ion Ratio Lower Upper

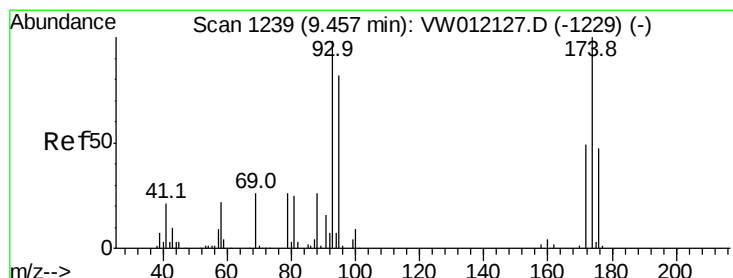
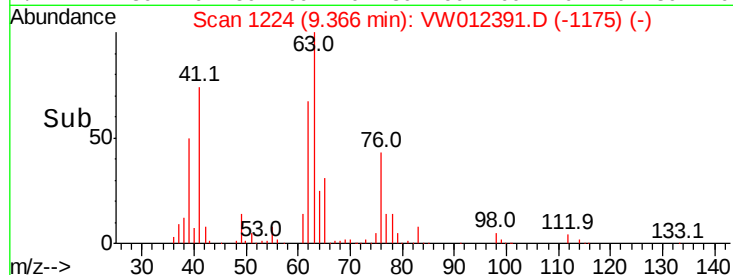
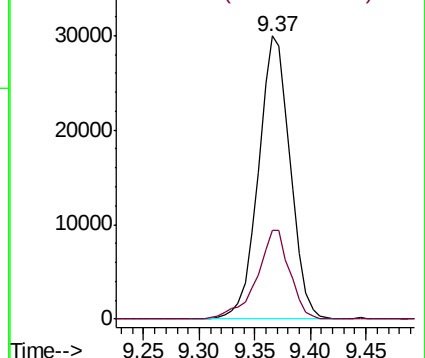
63 100

65 31.3 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: 21.637 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW012391.D

Acq: 31 Aug 2019 11:17

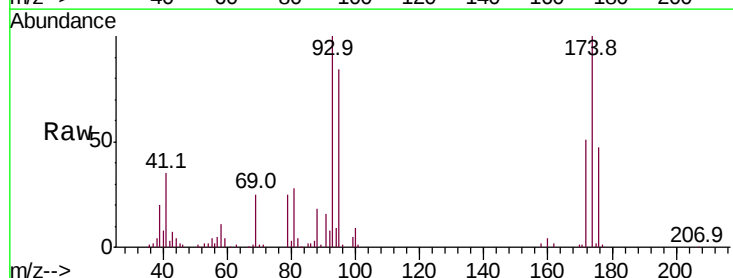
Tgt Ion: 93 Resp: 27137

Ion Ratio Lower Upper

93 100

95 81.6 67.2 100.8

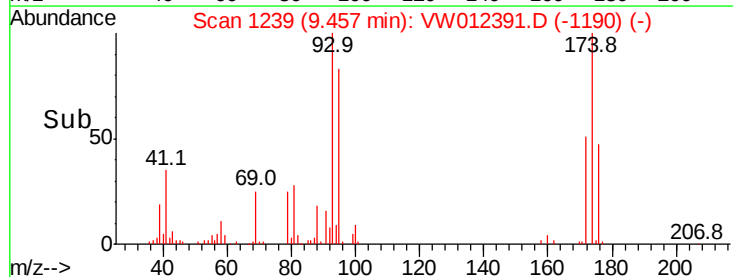
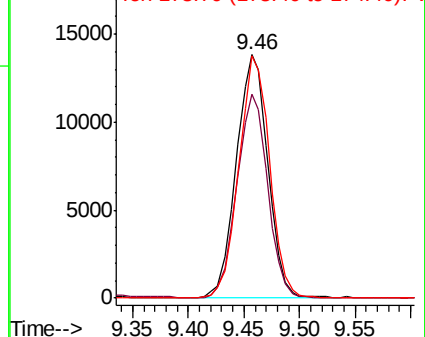
174 97.2 79.0 118.6

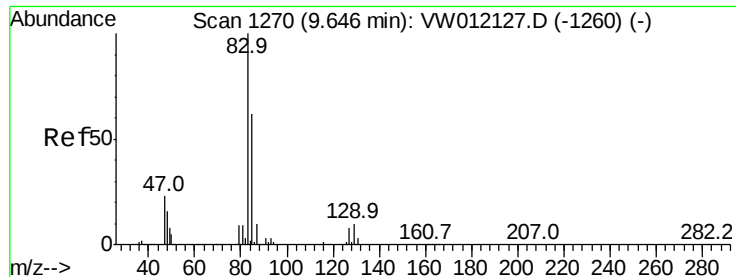


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 21.632 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012391.D

Acq: 31 Aug 2019 11:17

Instrument :

MSVOA_W

ClientSampleId :

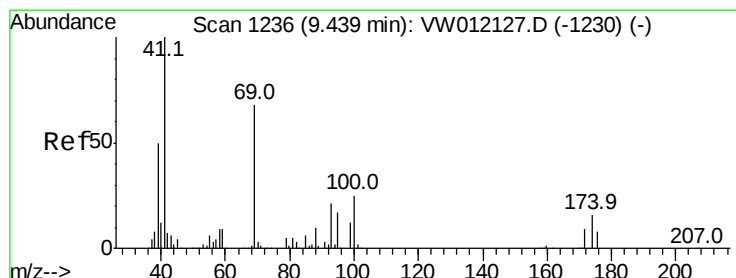
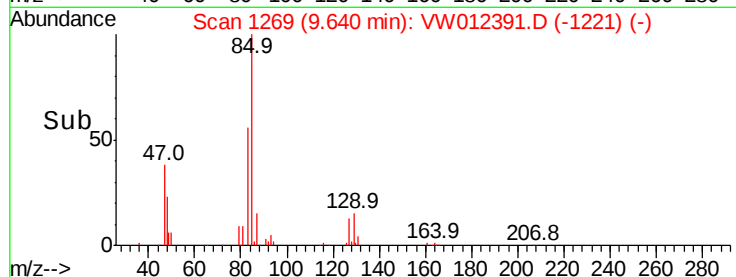
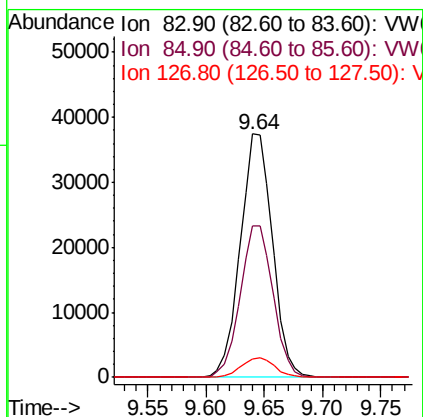
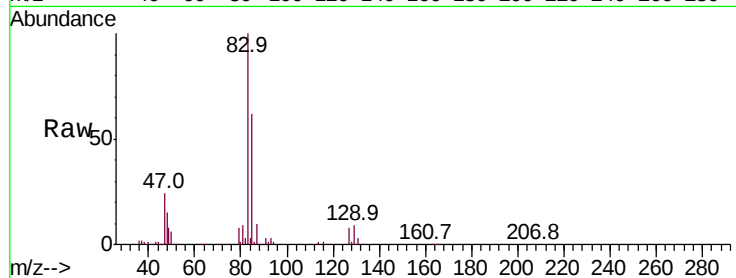
Tot Ion: 83 Resp: 72208

Ion Ratio Lower Upper

83 100

85 62.4 49.4 74.2

127 7.8 6.1 9.1



#48

Methyl methacrylate

Concen: 20.583 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW012391.D

Acq: 31 Aug 2019 11:17

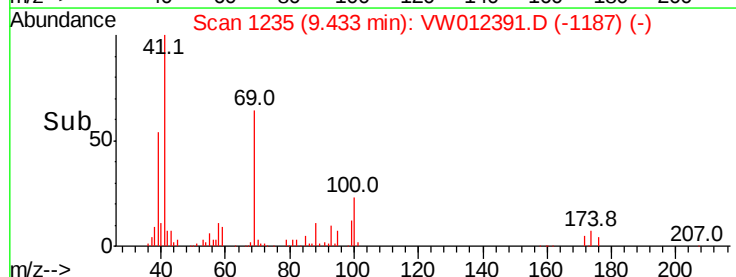
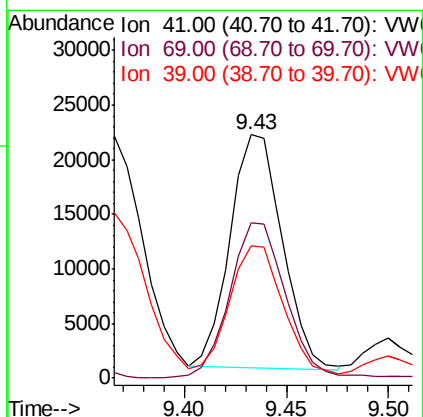
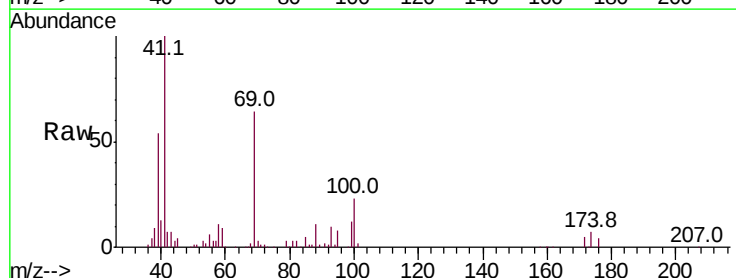
Tgt Ion: 41 Resp: 38142

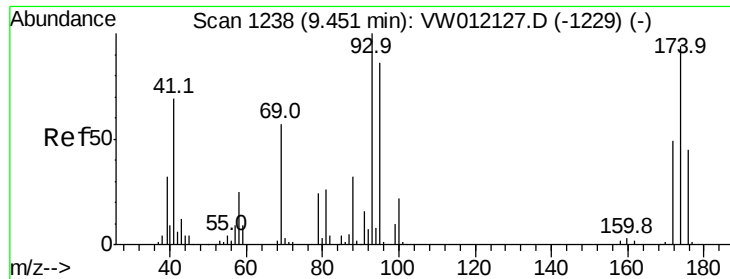
Ion Ratio Lower Upper

41 100

69 71.8 56.7 85.1

39 55.8 42.0 63.0





#49

1,4-Dioxane

Concen: 405.149 ug/l

RT: 9.44 min Scan# 1237

Delta R.T. -0.01 min

Lab File: VW012391.D

Acq: 31 Aug 2019 11:17

Instrument :
MSVOA_W
ClientSampled :

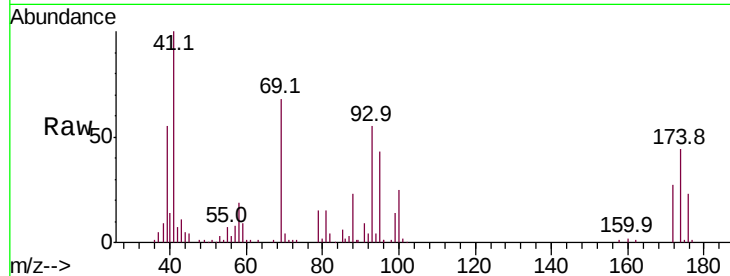
Tot Ion: 88 Resp: 7779

Ion Ratio Lower Upper

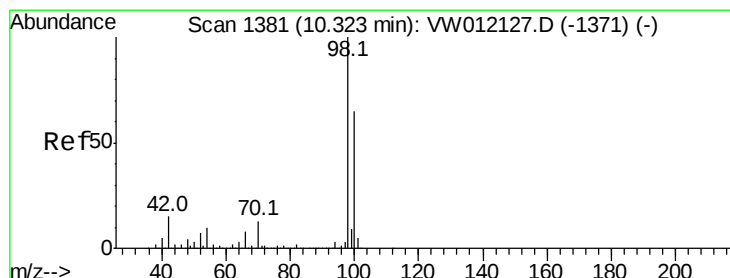
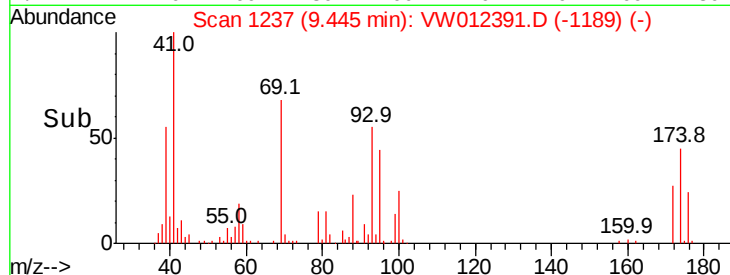
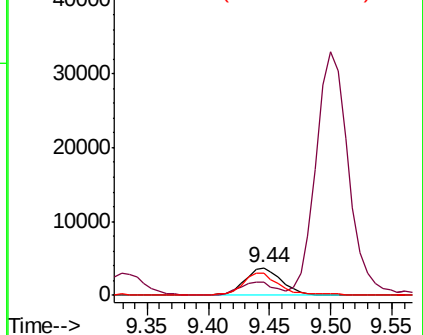
88 100

43 42.8 32.9 49.3

58 79.1 71.0 106.4



Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 51.773 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012391.D

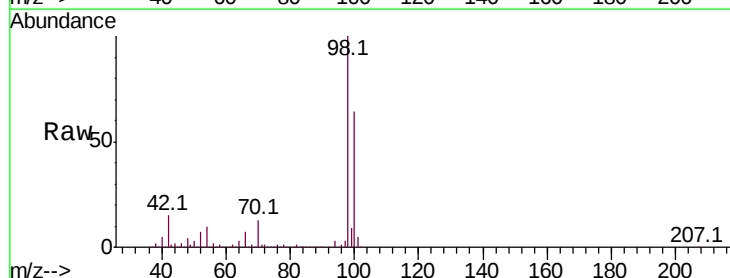
Acq: 31 Aug 2019 11:17

Tgt Ion: 98 Resp: 465116

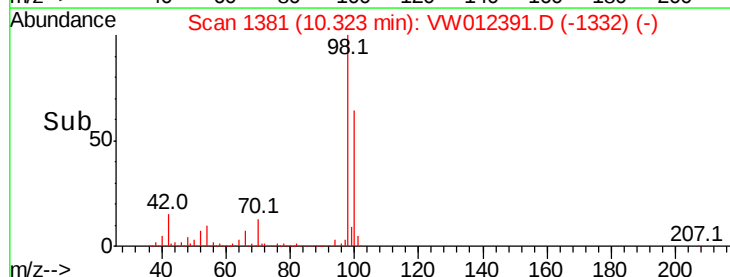
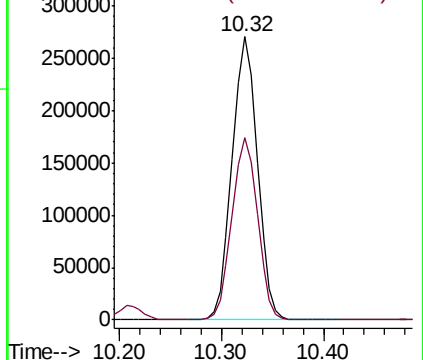
Ion Ratio Lower Upper

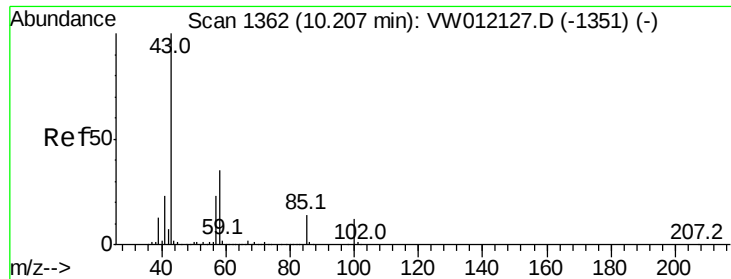
98 100

100 65.0 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 104.890 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012391.D

Acq: 31 Aug 2019 11:17

Instrument :

MSVOA_W

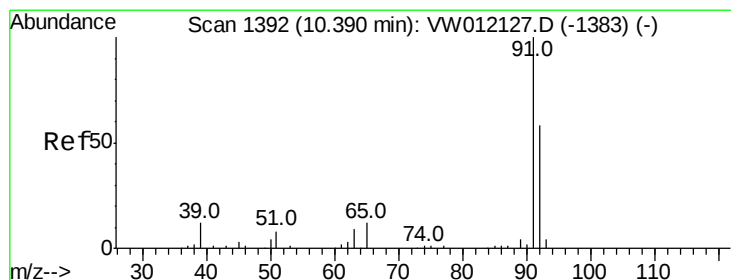
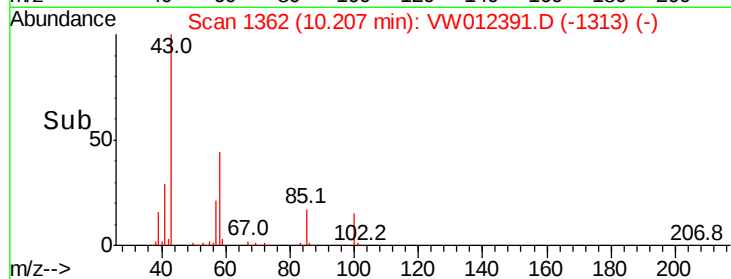
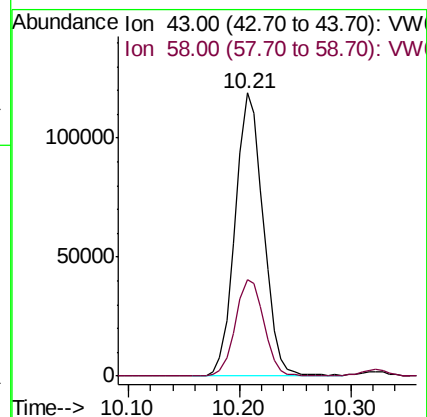
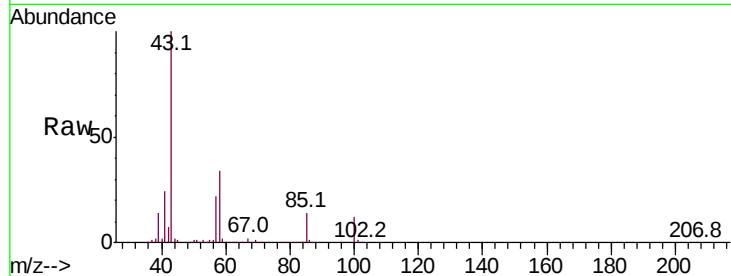
ClientSampled :

Tot Ion: 43 Resp: 207721

Ion Ratio Lower Upper

43 100

58 34.8 28.2 42.2



#52

Toluene

Concen: 21.324 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW012391.D

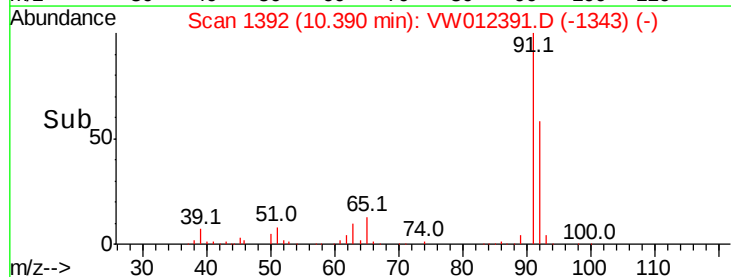
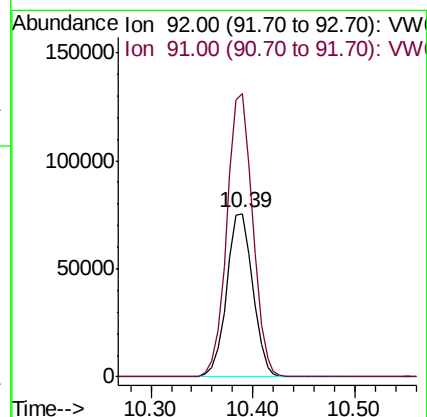
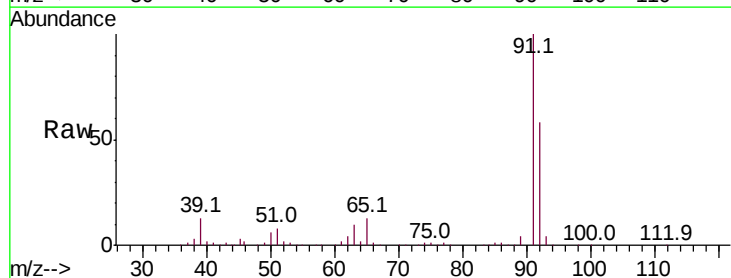
Acq: 31 Aug 2019 11:17

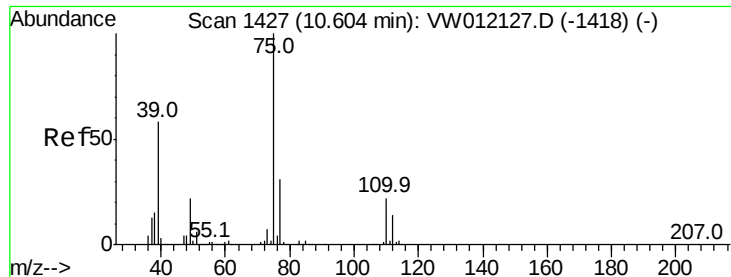
Tgt Ion: 92 Resp: 134173

Ion Ratio Lower Upper

92 100

91 171.6 136.6 204.8





#53

t-1,3-Dichloropropene

Concen: 21.192 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012391.D

Acq: 31 Aug 2019 11:17

Instrument :

MSVOA_W

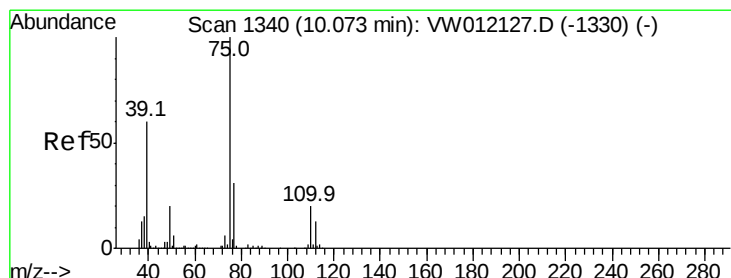
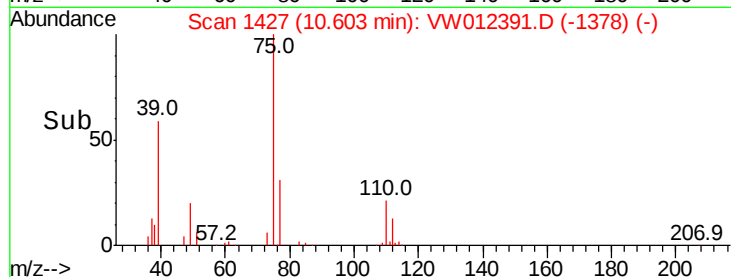
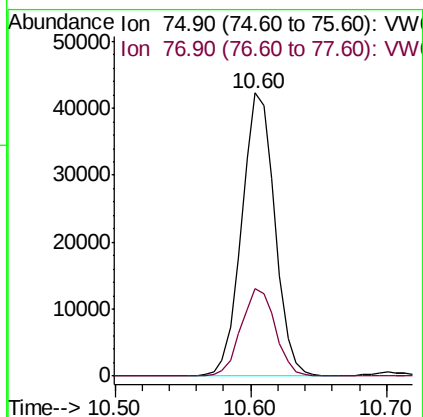
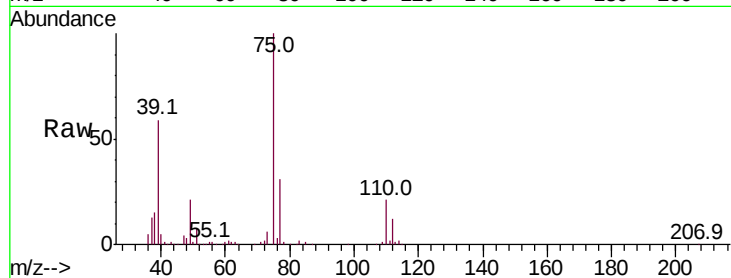
ClientSampleId :

Tot Ion: 75 Resp: 72056

Ion Ratio Lower Upper

75 100

77 30.8 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 21.063 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012391.D

Acq: 31 Aug 2019 11:17

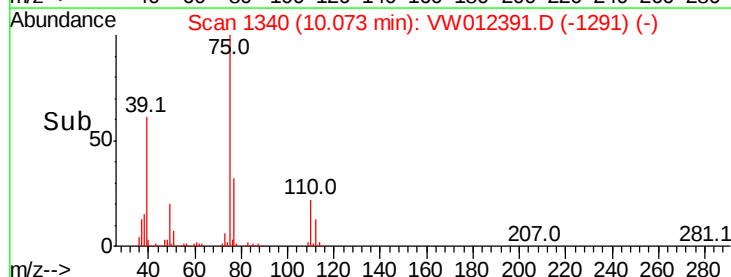
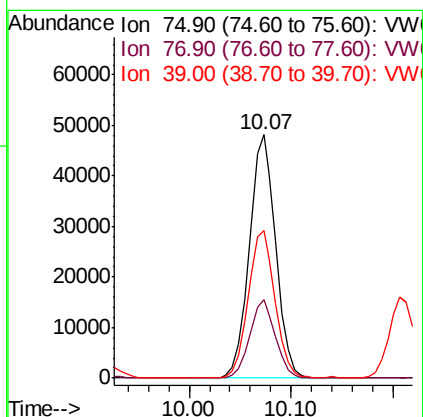
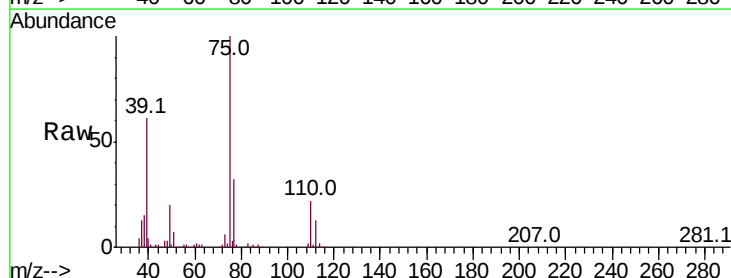
Tgt Ion: 75 Resp: 86472

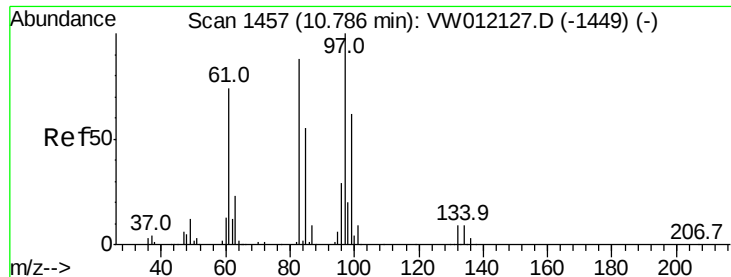
Ion Ratio Lower Upper

75 100

77 32.1 25.1 37.7

39 60.4 48.3 72.5





#55

1,1,2-Trichloroethane

Concen: 21.818 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW012391.D

Acq: 31 Aug 2019 11:17

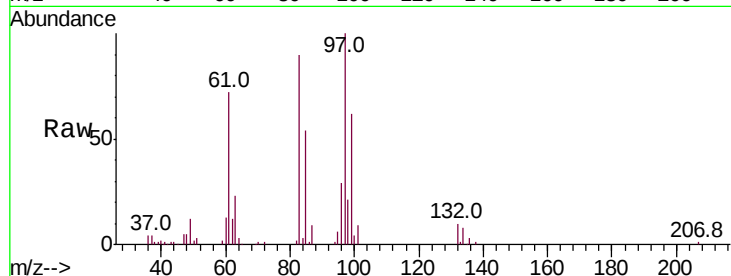
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 38717

Ion	Ratio	Lower	Upper
97	100		
83	89.5	70.8	106.2
85	53.7	43.8	65.8
99	62.2	49.8	74.6

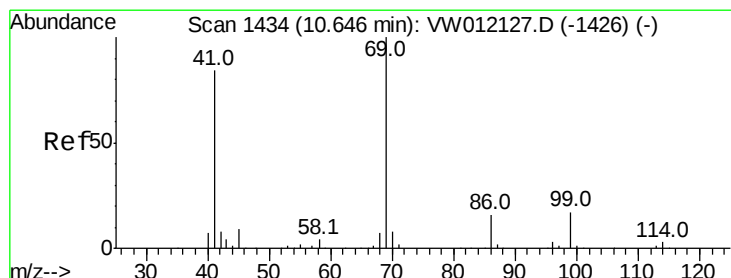
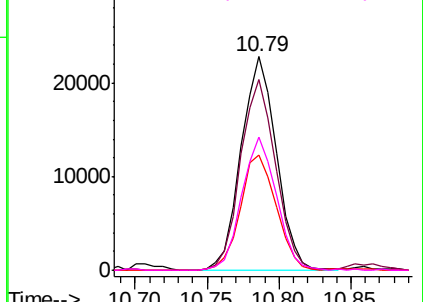
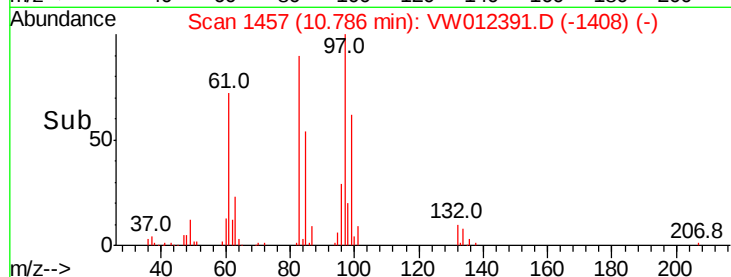


Abundance Ion 96.90 (96.60 to 97.60): VW

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: 20.815 ug/l

RT: 10.65 min Scan# 1434

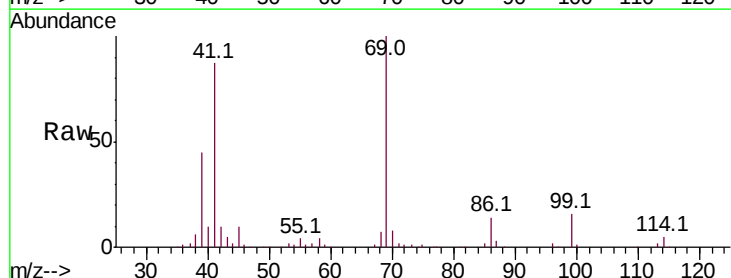
Delta R.T. -0.00 min

Lab File: VW012391.D

Acq: 31 Aug 2019 11:17

Tgt Ion: 69 Resp: 53759

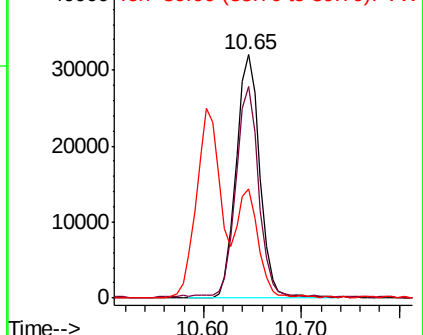
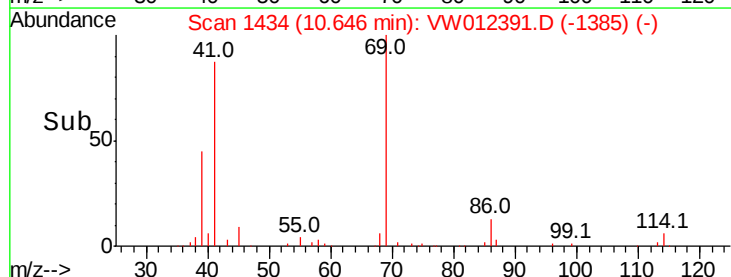
Ion	Ratio	Lower	Upper
69	100		
41	82.4	66.5	99.7
39	38.9	31.0	46.4

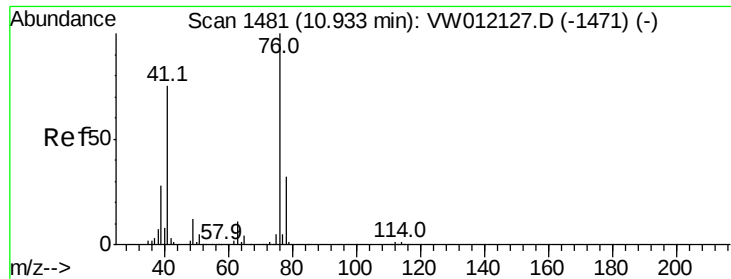


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

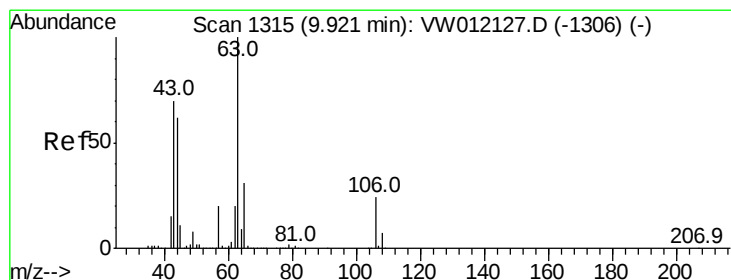
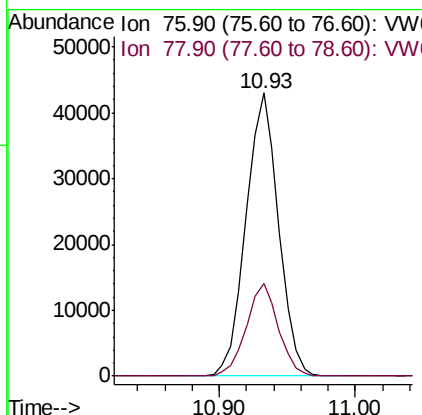
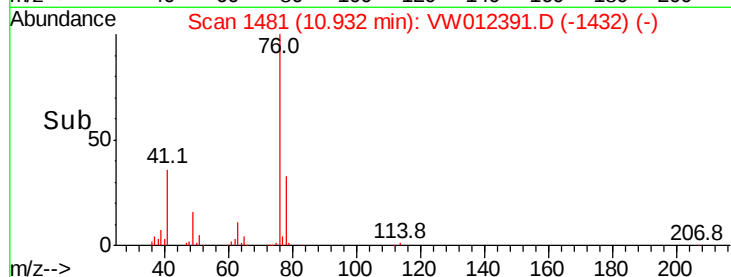
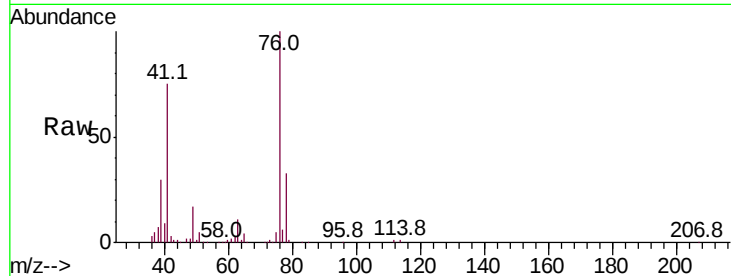




#57
 1,3-Dichloropropane
 Concen: 21.500 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012391.D
 Acq: 31 Aug 2019 11:17

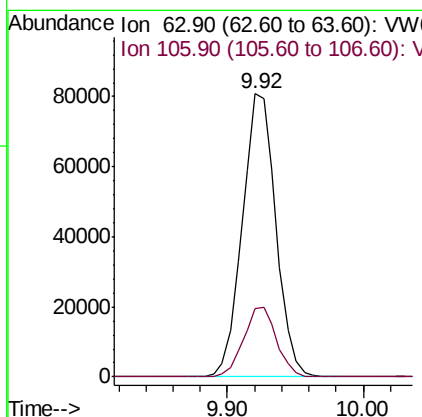
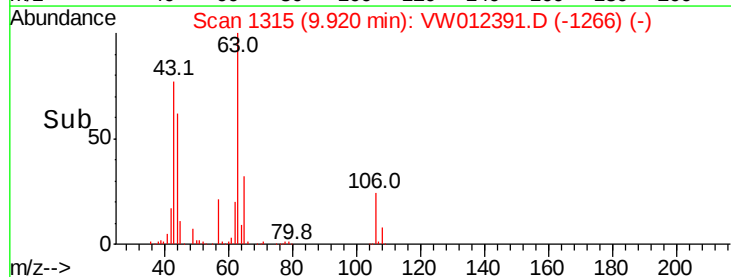
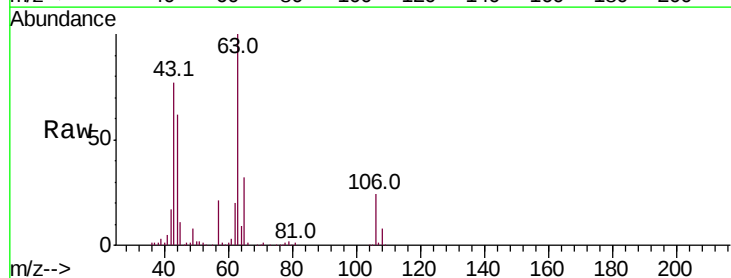
Instrument :
 MSVOA_W
 ClientSampleId :

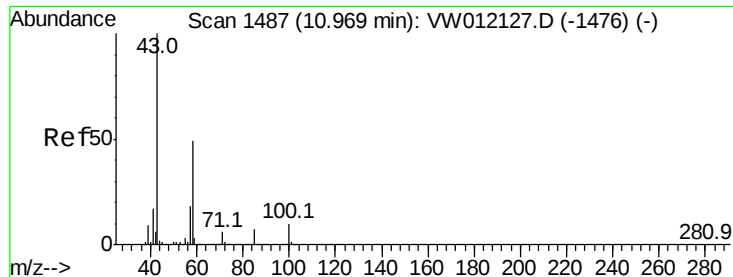
Tot Ion: 76 Resp: 72097
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 105.283 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012391.D
 Acq: 31 Aug 2019 11:17

Tgt Ion: 63 Resp: 139551
 Ion Ratio Lower Upper
 63 100
 106 24.3 19.8 29.8

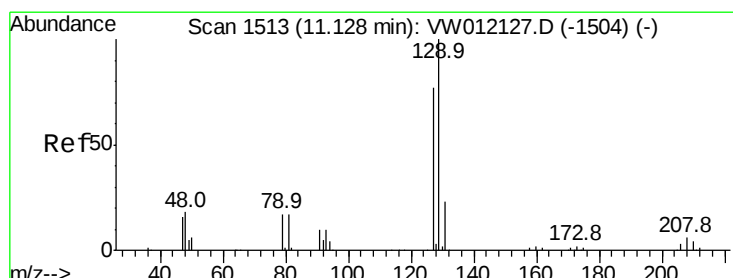
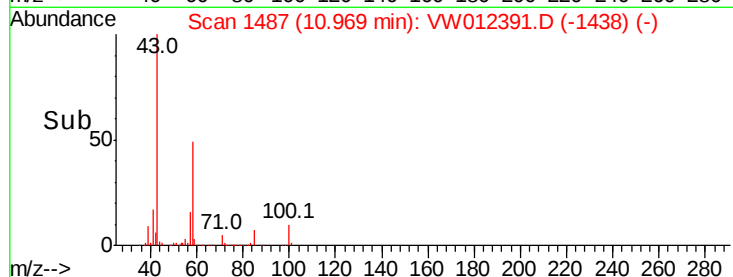
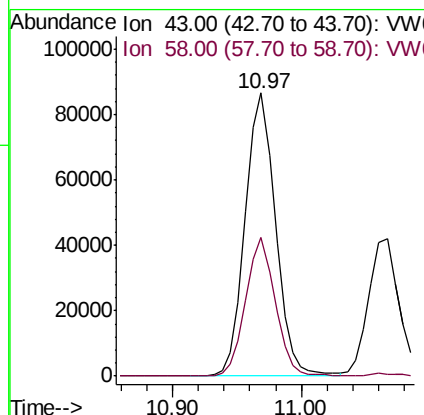
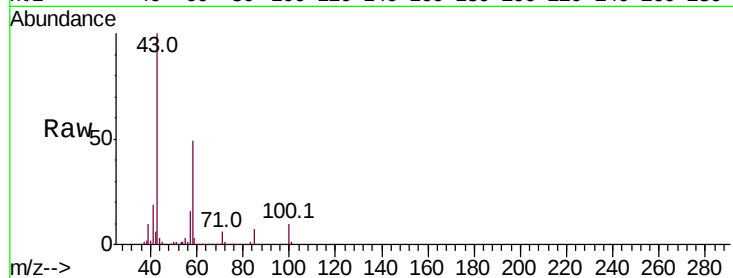




#59
2-Hexanone
Concen: 100.751 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012391.D
Acq: 31 Aug 2019 11:17

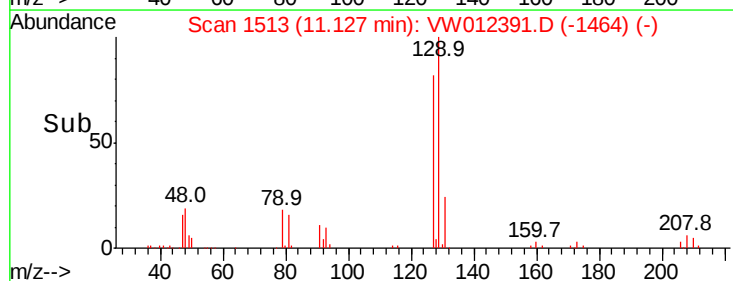
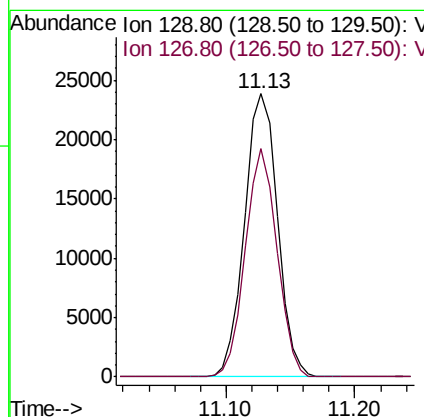
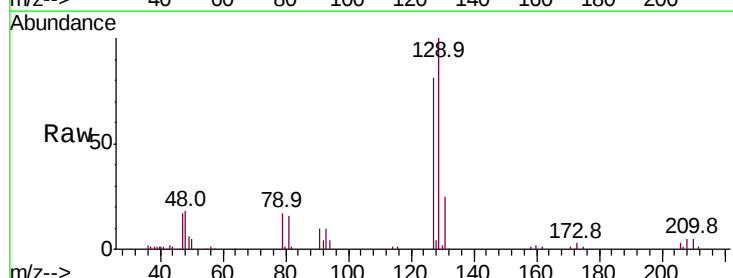
Instrument :
MSVOA_W
ClientSampled :

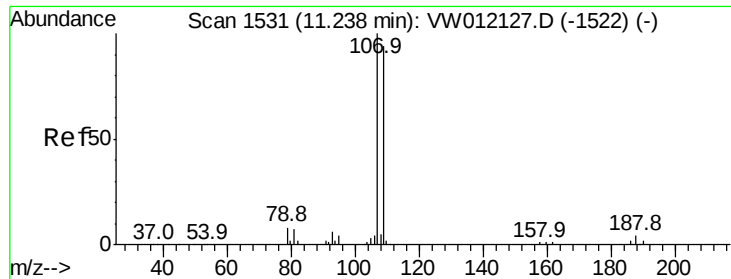
Tot Ion: 43 Resp: 141176
Ion Ratio Lower Upper
43 100
58 47.8 24.3 72.9



#60
Dibromochloromethane
Concen: 21.333 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012391.D
Acq: 31 Aug 2019 11:17

Tgt Ion: 129 Resp: 42166
Ion Ratio Lower Upper
129 100
127 77.6 38.6 115.8

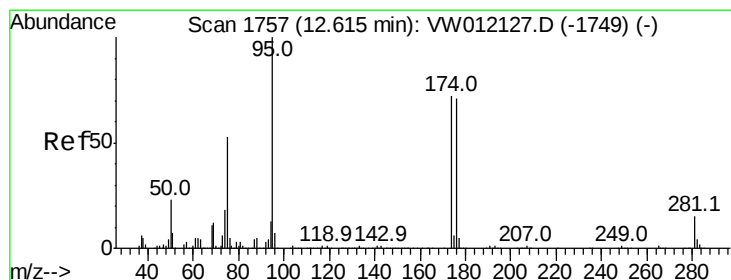
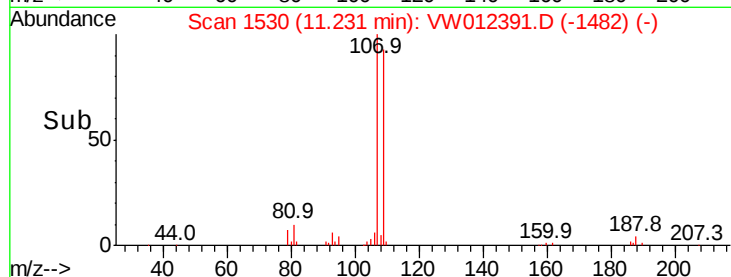
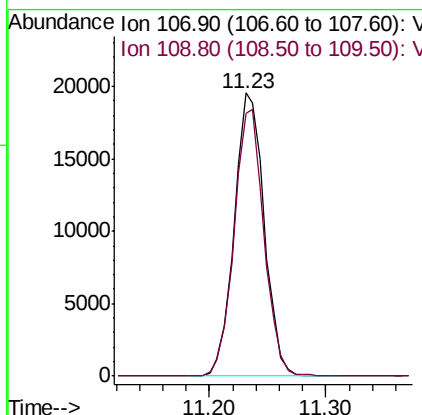
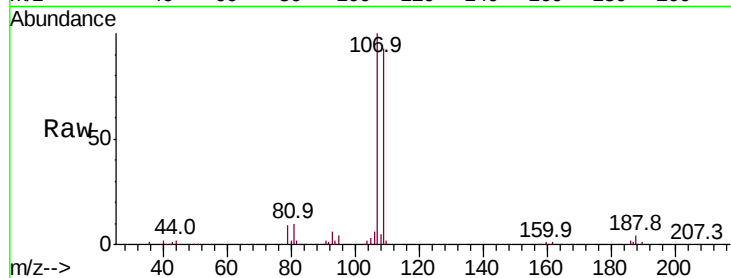




#61
1,2-Dibromoethane
Concen: 21.168 ug/l
RT: 11.23 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VW012391.D
Acq: 31 Aug 2019 11:17

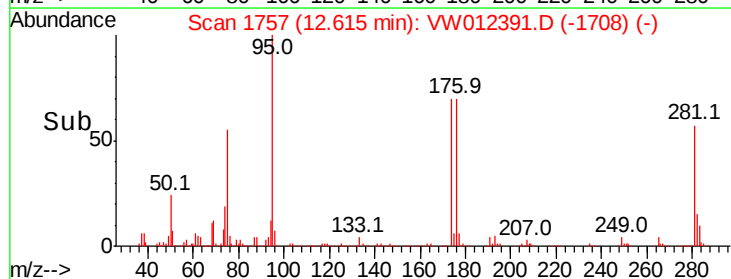
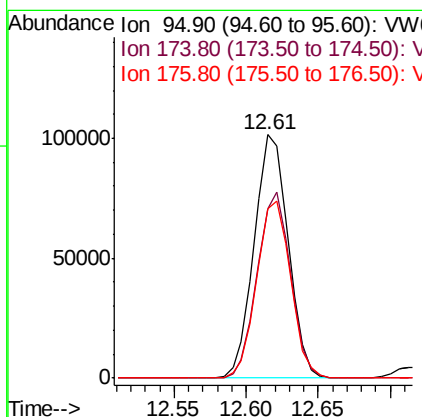
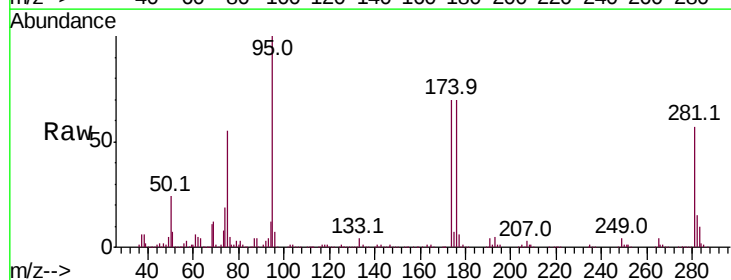
Instrument :
MSVOA_W
ClientSampleId :

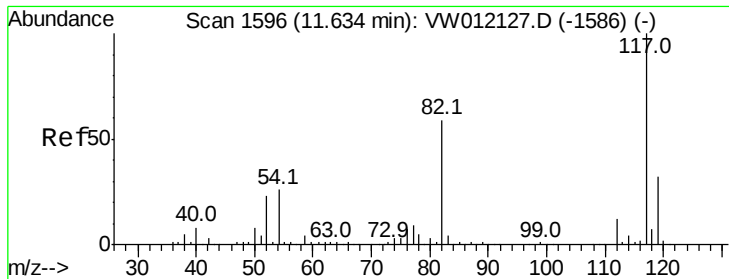
Tot Ion:107 Resp: 34995
Ion Ratio Lower Upper
107 100
109 93.8 75.4 113.2



#62
4-Bromofluorobenzene
Concen: 52.289 ug/l
RT: 12.61 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012391.D
Acq: 31 Aug 2019 11:17

Tgt Ion: 95 Resp: 165588
Ion Ratio Lower Upper
95 100
174 75.1 0.0 150.8
176 72.7 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: VW012391.D

Acq: 31 Aug 2019 11:17

Instrument :

MSVOA_W

ClientSampleId :

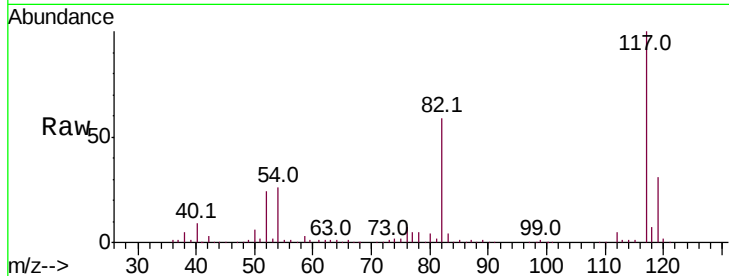
Tot Ion:117 Resp: 320272

Ion Ratio Lower Upper

117 100

82 58.7 47.4 71.2

119 31.4 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): V

250000

200000

150000

100000

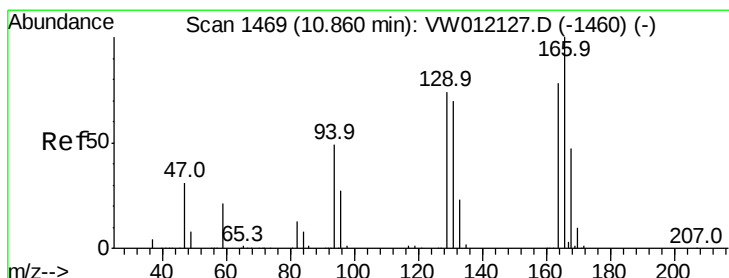
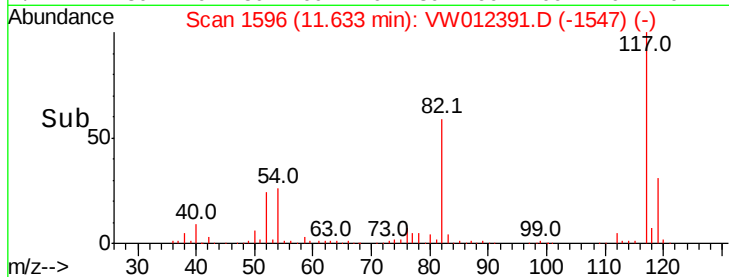
50000

0

11.63

11.60 11.70

Time-->



#64

Tetrachloroethene

Concen: 21.230 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW012391.D

Acq: 31 Aug 2019 11:17

Tgt Ion:164 Resp: 44082

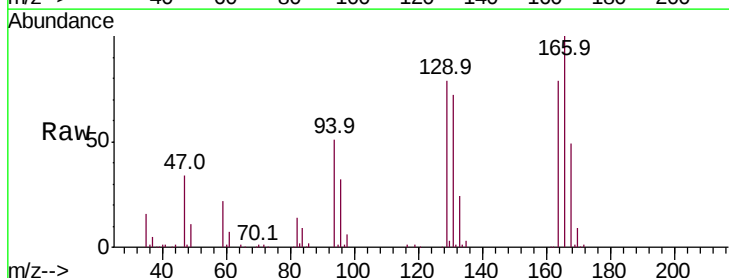
Ion Ratio Lower Upper

164 100

166 126.1 102.4 153.6

129 99.7 75.8 113.6

131 90.7 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

50000

40000

30000

20000

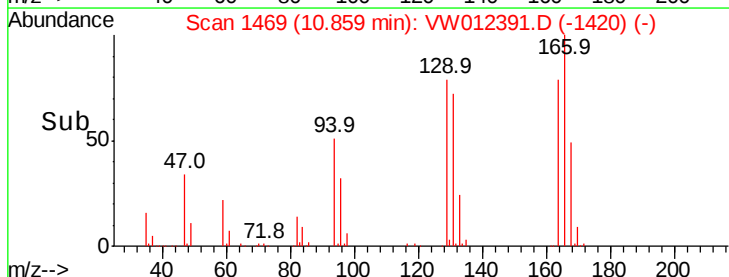
10000

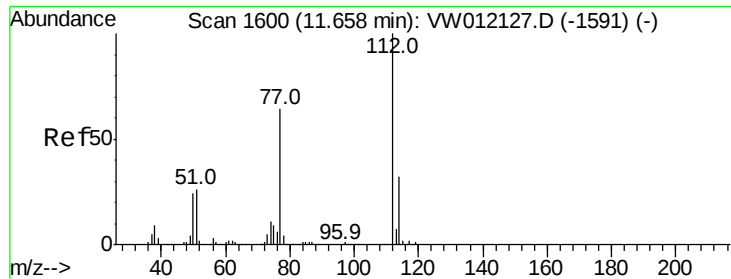
0

10.86

10.80 10.90

Time-->

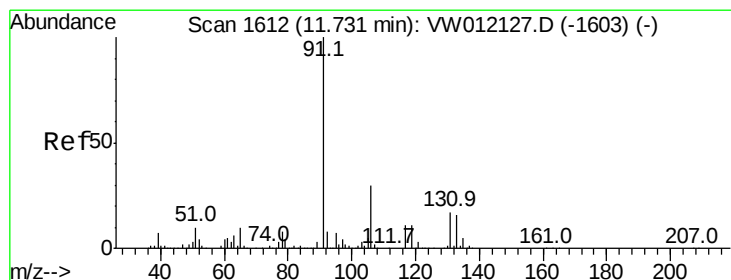
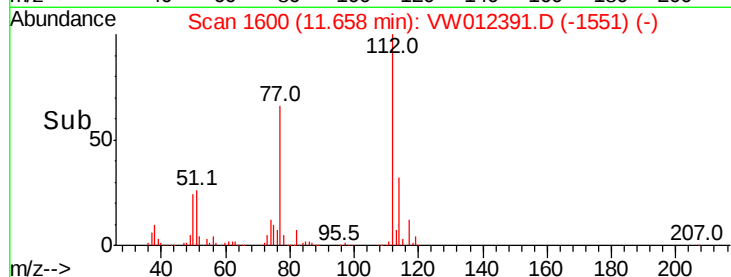
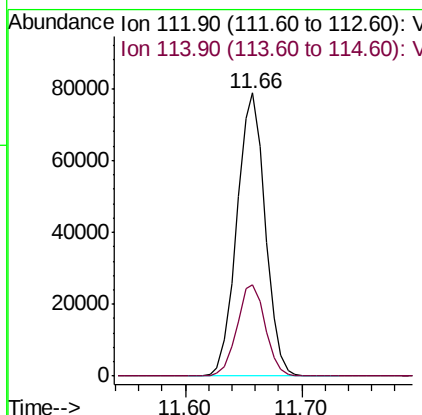
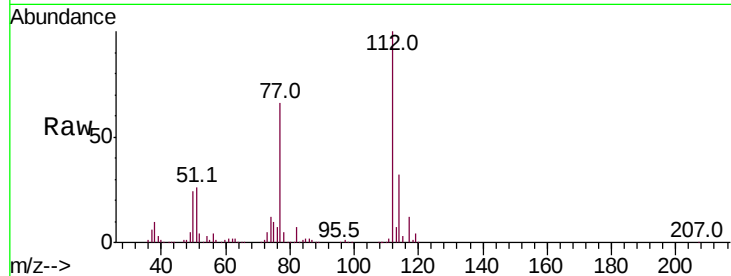




#65
Chlorobenzene
Concen: 21.148 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012391.D
Acq: 31 Aug 2019 11:17

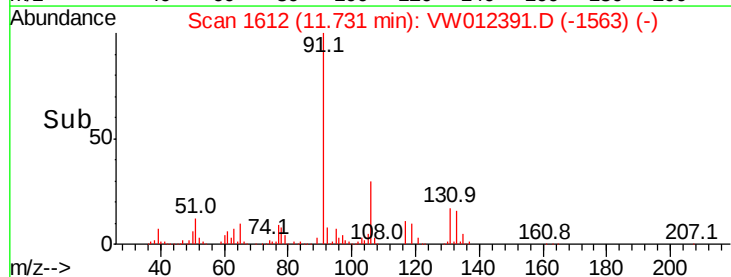
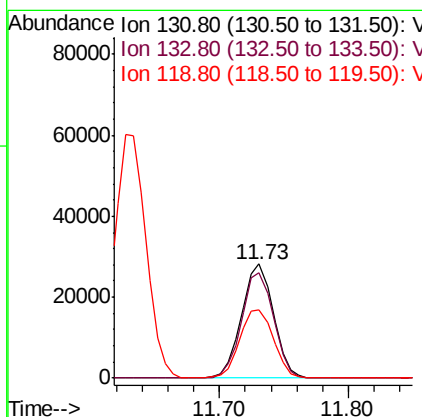
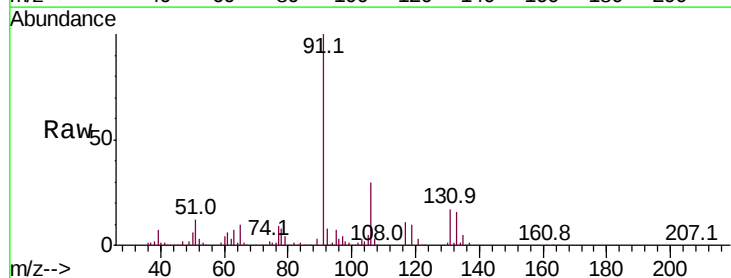
Instrument :
MSVOA_W
ClientSampleId :

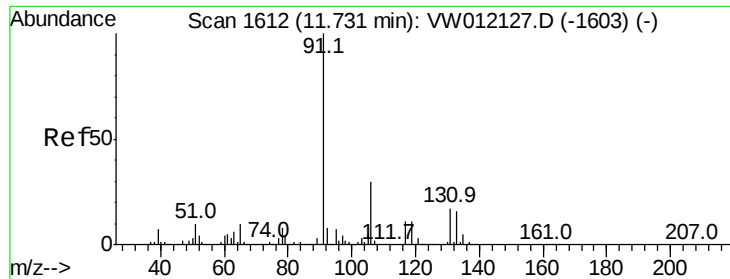
Tot Ion:112 Resp: 133369
Ion Ratio Lower Upper
112 100
114 32.3 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 21.974 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012391.D
Acq: 31 Aug 2019 11:17

Tgt Ion:131 Resp: 48345
Ion Ratio Lower Upper
131 100
133 92.6 47.1 141.3
119 63.4 31.8 95.3

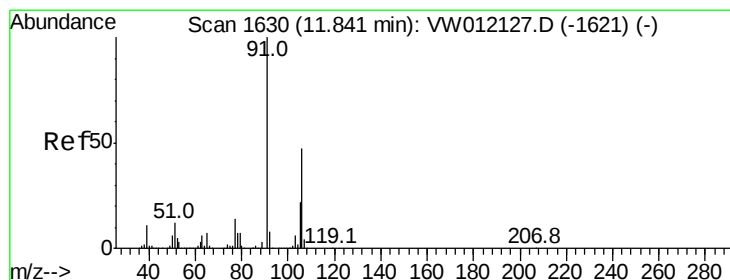
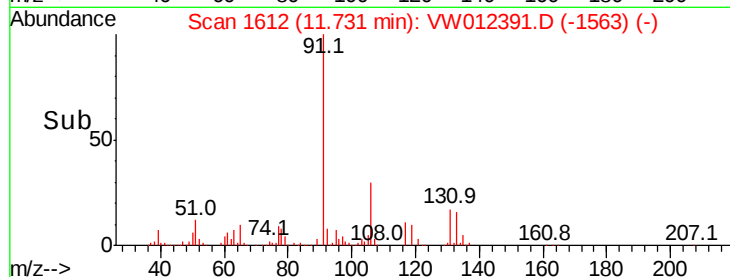
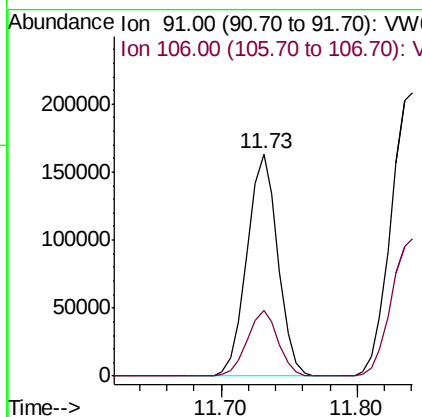
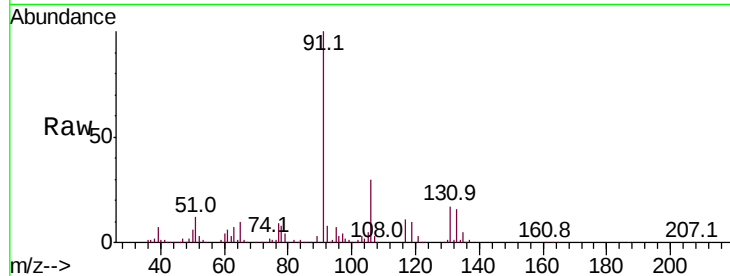




#67
Ethyl Benzene
Concen: 21.411 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012391.D
Acq: 31 Aug 2019 11:17

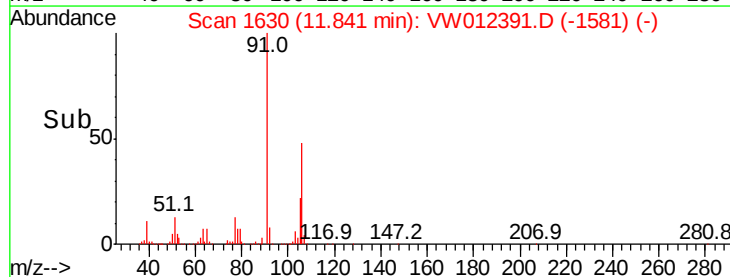
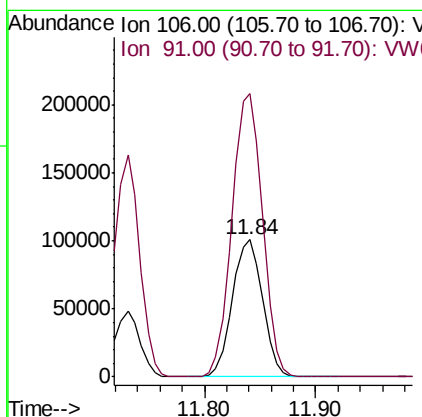
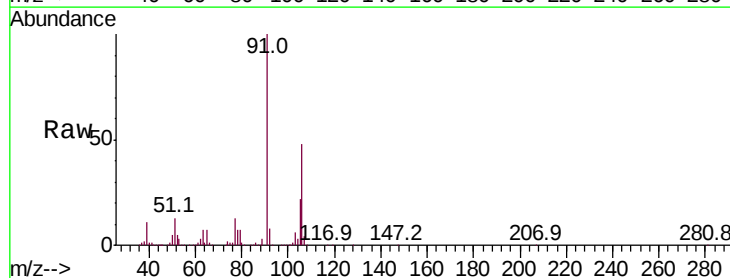
Instrument :
MSVOA_W
ClientSampleId :

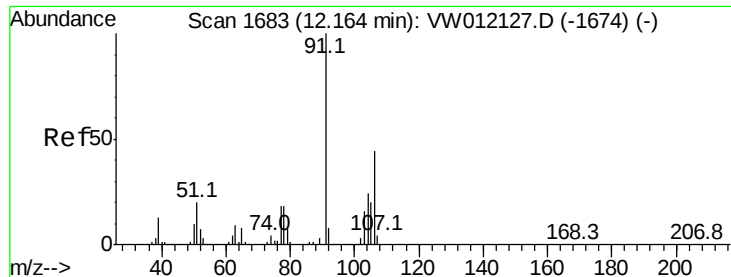
Tot Ion: 91 Resp: 260101
Ion Ratio Lower Upper
91 100
106 29.7 24.3 36.5



#68
m/p-Xylenes
Concen: 43.276 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012391.D
Acq: 31 Aug 2019 11:17

Tgt Ion:106 Resp: 189374
Ion Ratio Lower Upper
106 100
91 208.2 169.5 254.3

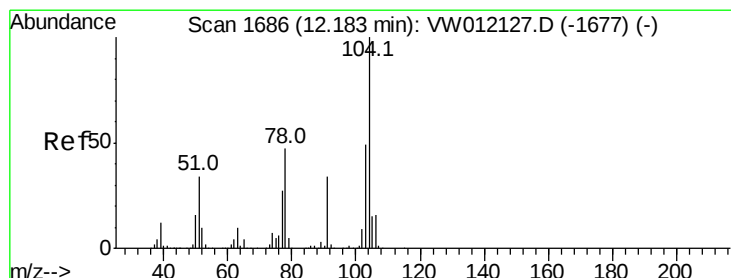
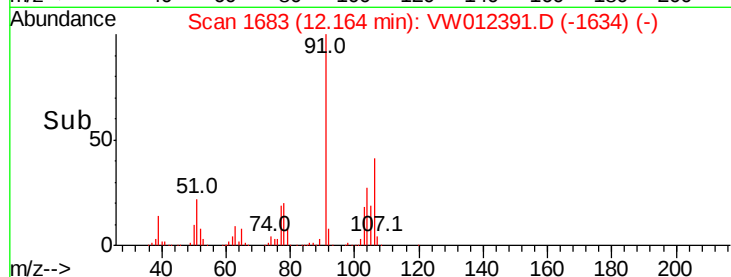
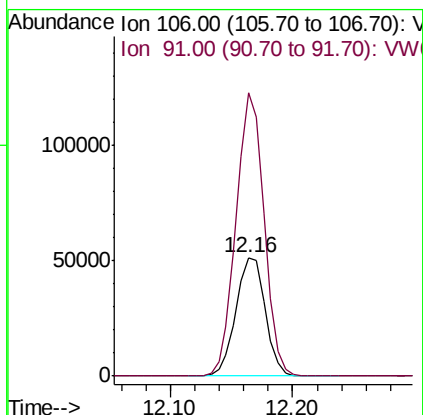
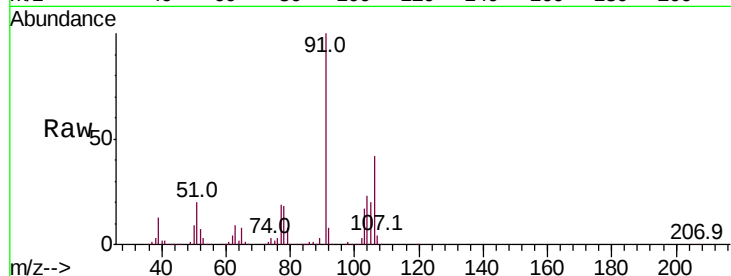




#69
o-Xylene
Concen: 21.027 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012391.D
Acq: 31 Aug 2019 11:17

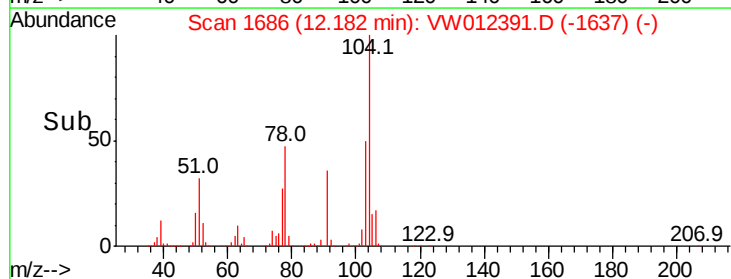
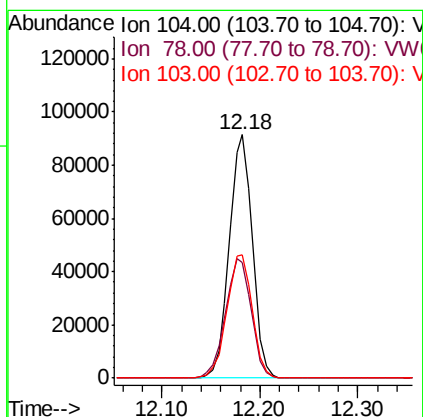
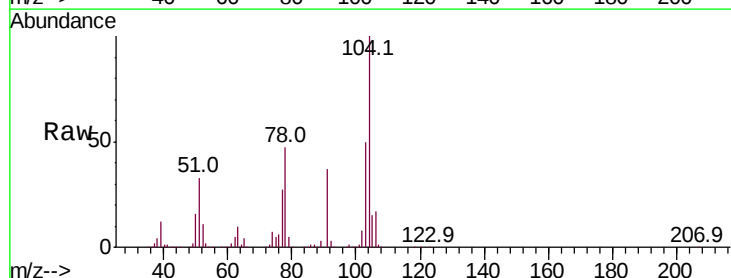
Instrument :
MSVOA_W
ClientSampled :

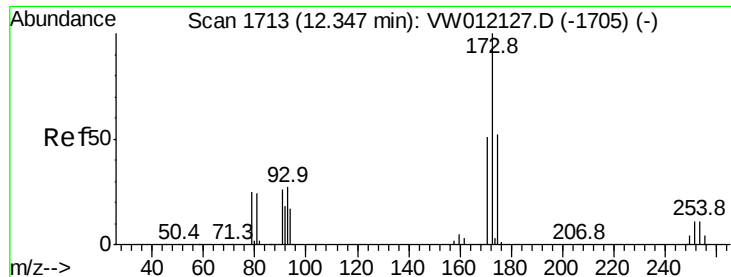
Tot Ion:106 Resp: 85161
Ion Ratio Lower Upper
106 100
91 228.2 111.6 334.6



#70
Styrene
Concen: 21.370 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012391.D
Acq: 31 Aug 2019 11:17

Tgt Ion:104 Resp: 149810
Ion Ratio Lower Upper
104 100
78 54.8 43.1 64.7
103 55.4 43.5 65.3





#71

Bromoform

Concen: 21.296 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012391.D

Acq: 31 Aug 2019 11:17

Instrument :

MSVOA_W

ClientSampleId :

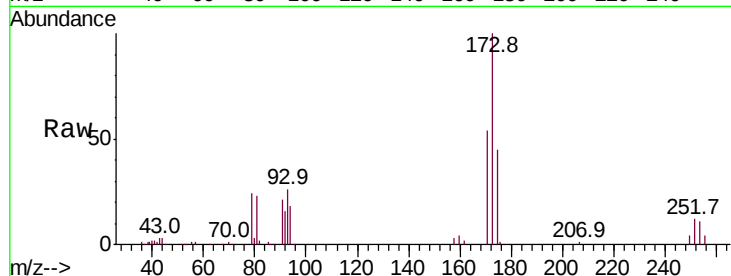
Tot Ion:173 Resp: 23343

Ion Ratio Lower Upper

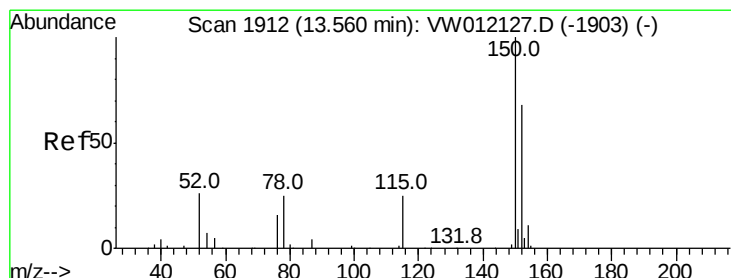
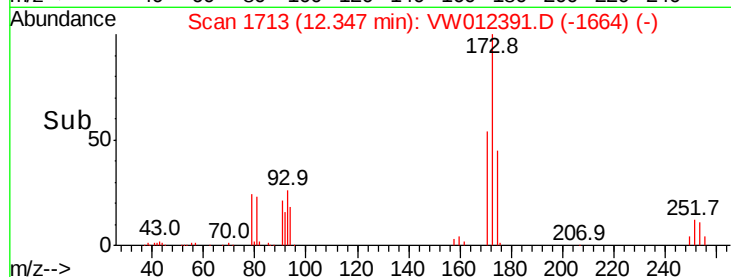
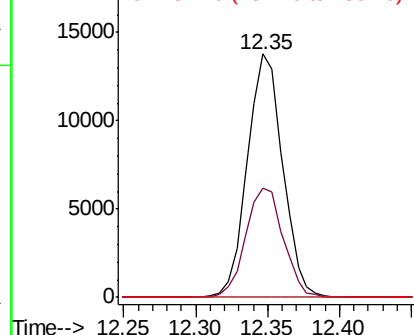
173 100

175 47.6 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: VW012391.D

Acq: 31 Aug 2019 11:17

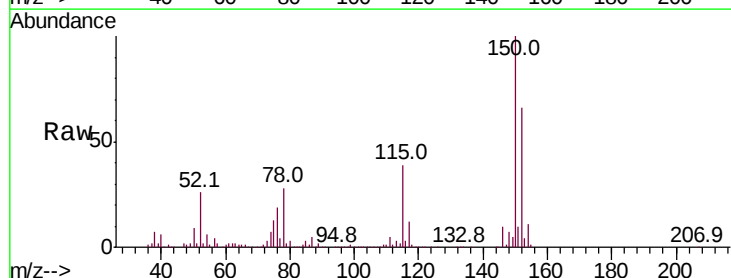
Tgt Ion:152 Resp: 156442

Ion Ratio Lower Upper

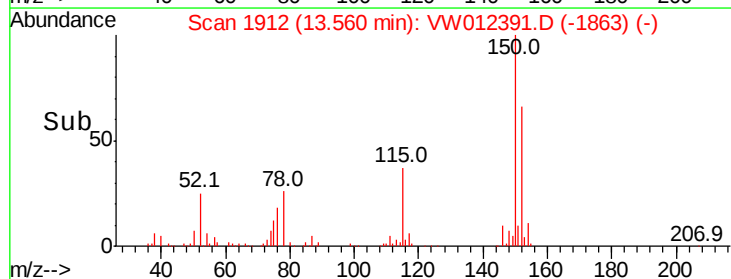
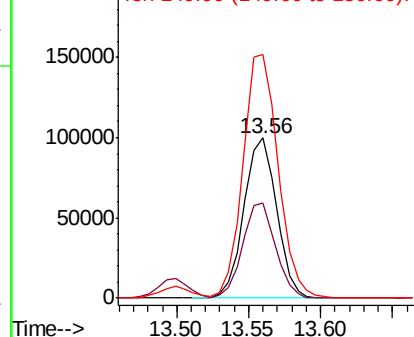
152 100

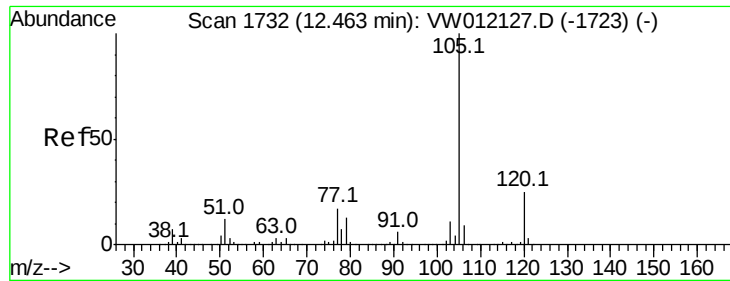
115 60.3 30.1 90.3

150 164.1 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

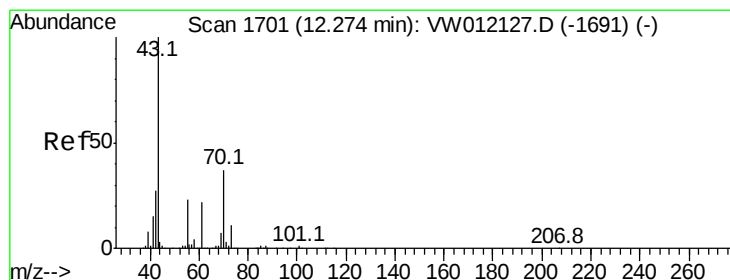
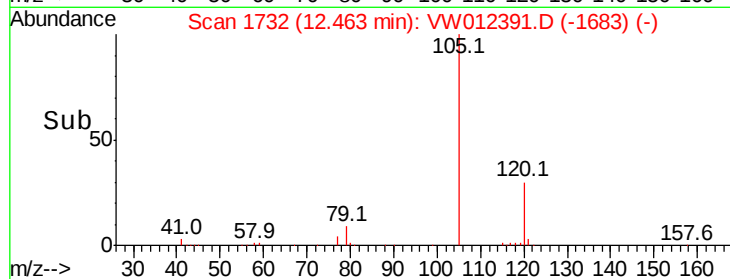
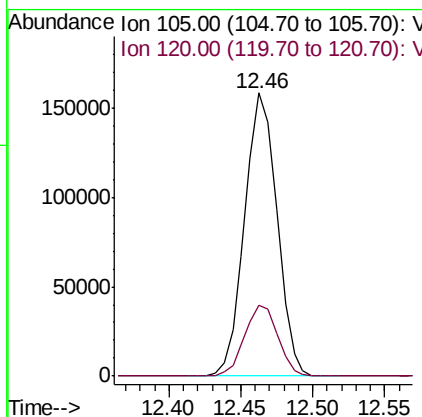
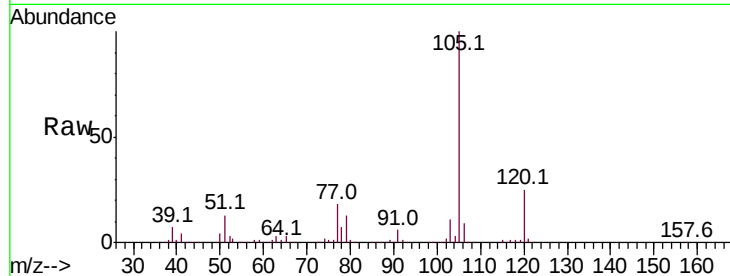




#73
Isopropylbenzene
Concen: 21.043 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW012391.D
Acq: 31 Aug 2019 11:17

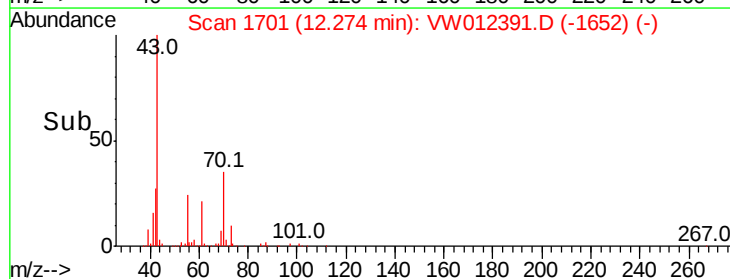
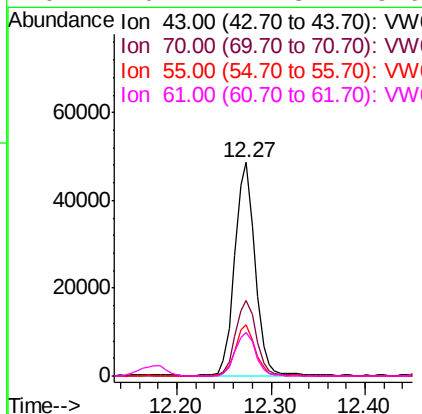
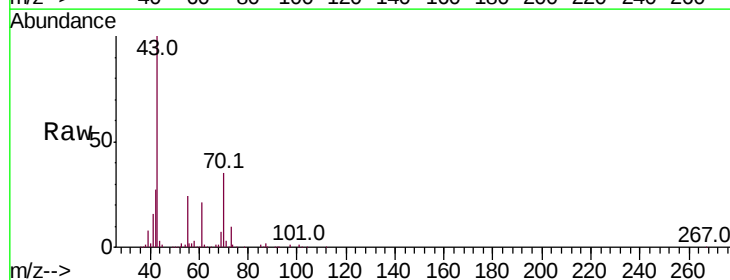
Instrument :
MSVOA_W
ClientSampleId :

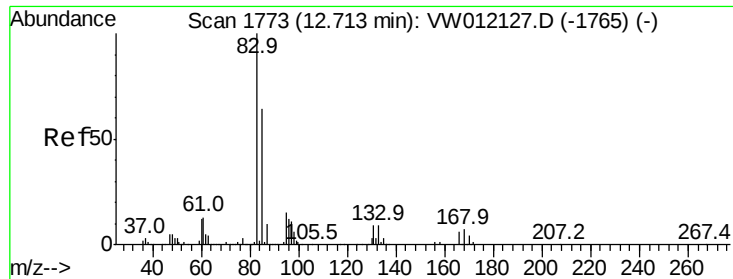
Tot Ion:105 Resp: 246671
Ion Ratio Lower Upper
105 100
120 25.7 12.5 37.5



#74
N-ethyl acetate
Concen: 20.725 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW012391.D
Acq: 31 Aug 2019 11:17

Tgt Ion: 43 Resp: 73400
Ion Ratio Lower Upper
43 100
70 37.0 28.6 43.0
55 24.0 17.8 26.6
61 20.7 17.3 25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.490 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012391.D

Acq: 31 Aug 2019 11:17

Instrument :

MSVOA_W

ClientSampleId :

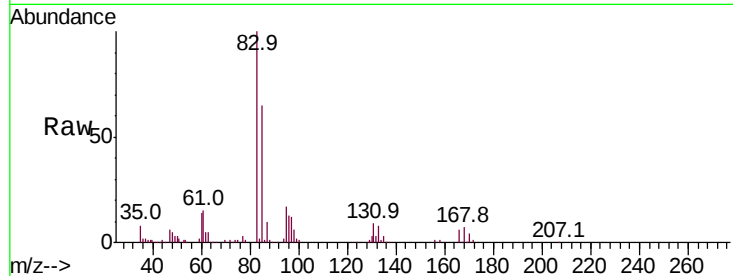
Tot Ion: 83 Resp: 44035

Ion	Ratio	Lower	Upper
83	100		
131	10.2	4.9	14.7
85	65.3	31.9	95.7

83 100

131 10.2 4.9 14.7

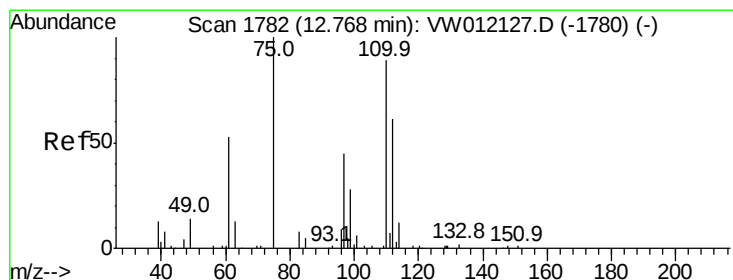
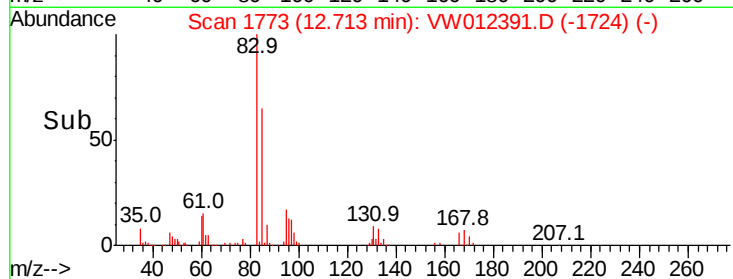
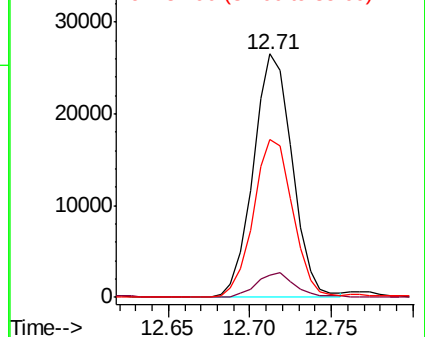
85 65.3 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 38.774 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW012391.D

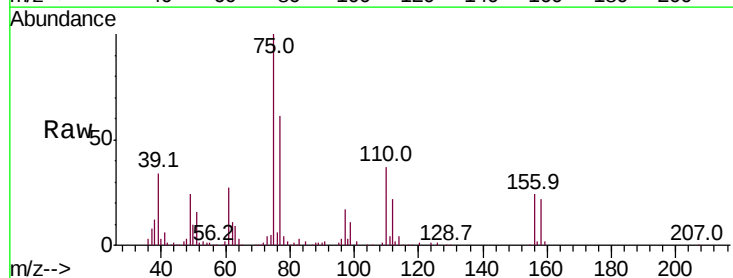
Acq: 31 Aug 2019 11:17

Tgt Ion: 75 Resp: 59078

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

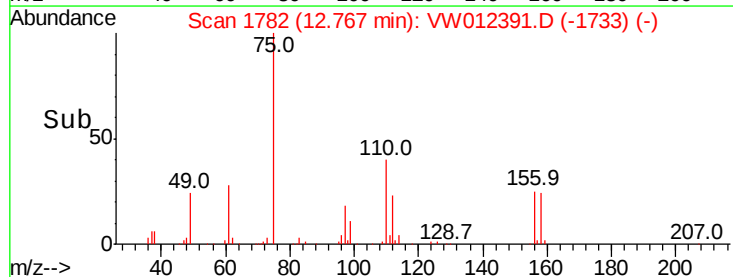
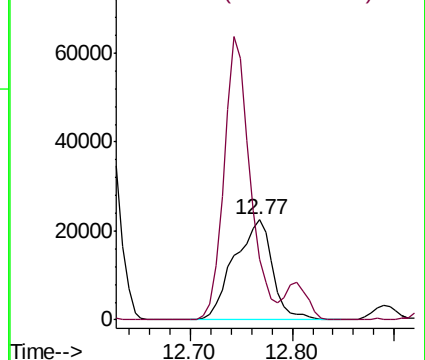
75 100

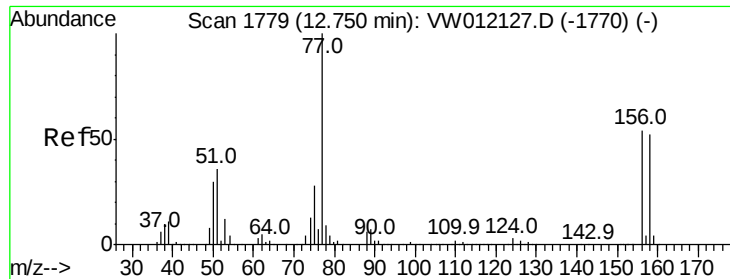
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 21.321 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW012391.D

Acq: 31 Aug 2019 11:17

Instrument :

MSVOA_W

ClientSampled :

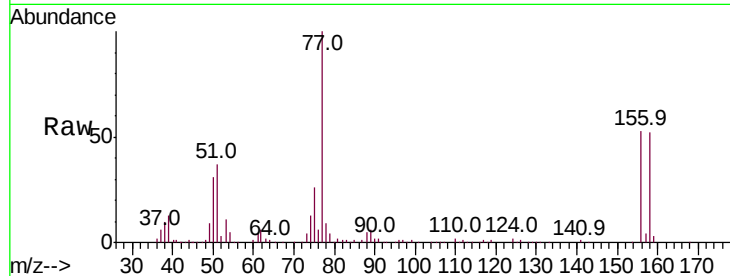
Tot Ion:156 Resp: 54071

Ion Ratio Lower Upper

156 100

77 210.2 107.3 321.8

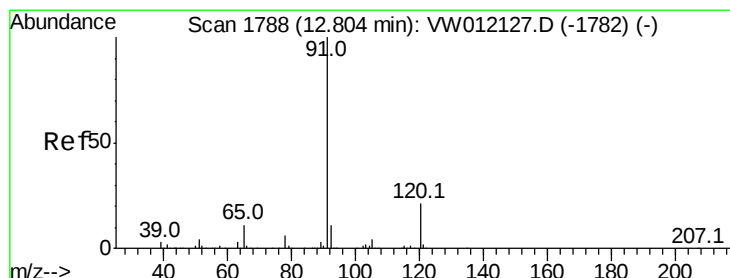
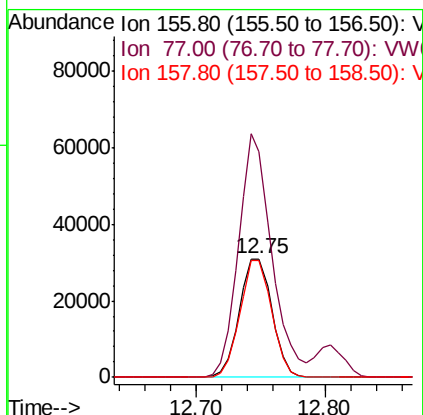
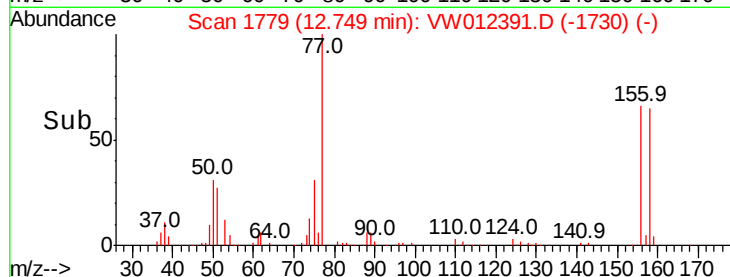
158 96.2 49.0 147.0



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: 21.083 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012391.D

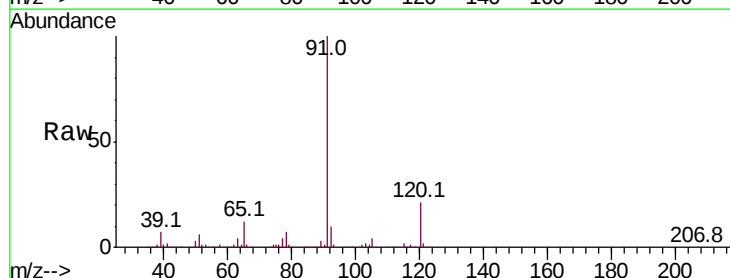
Acq: 31 Aug 2019 11:17

Tgt Ion: 91 Resp: 301716

Ion Ratio Lower Upper

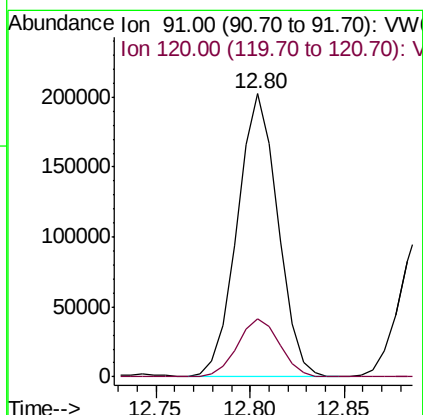
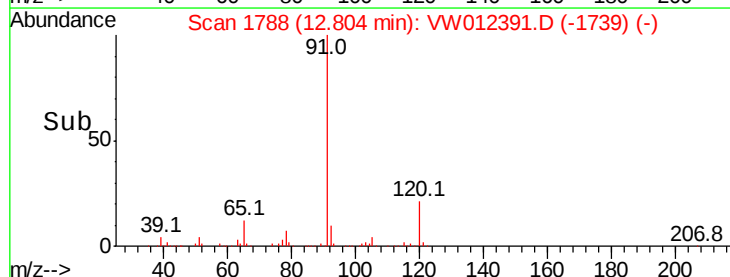
91 100

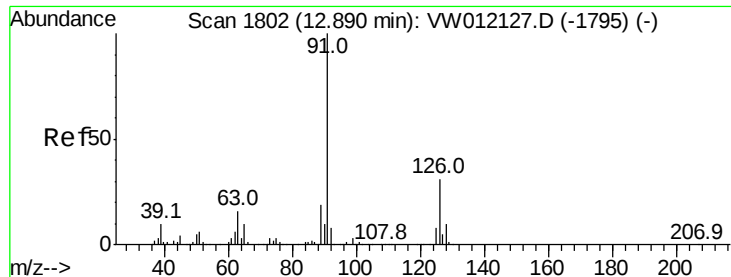
120 21.5 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

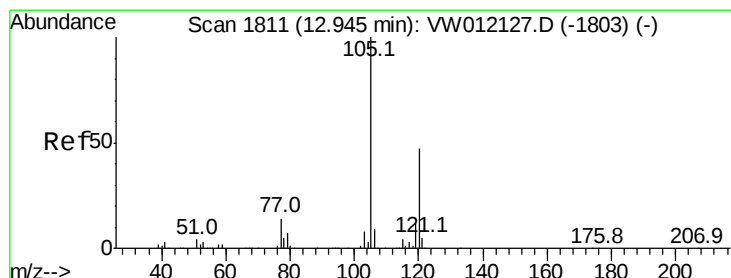
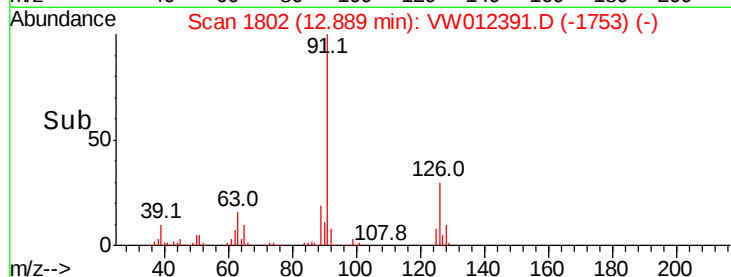
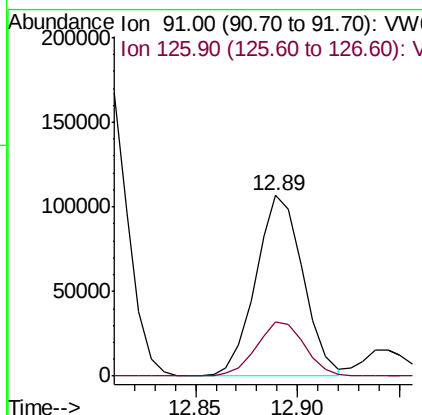
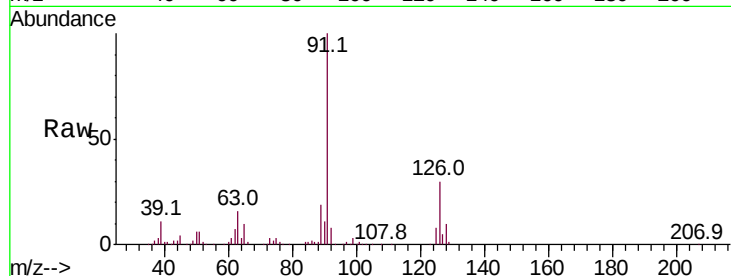




#79
 2-Chlorotoluene
 Concen: 21.211 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW012391.D
 Acq: 31 Aug 2019 11:17

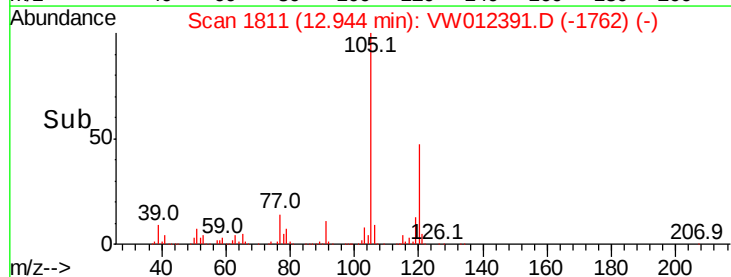
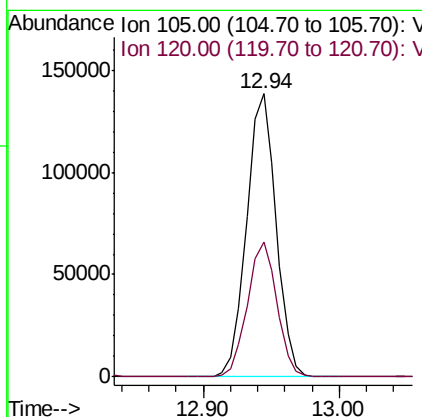
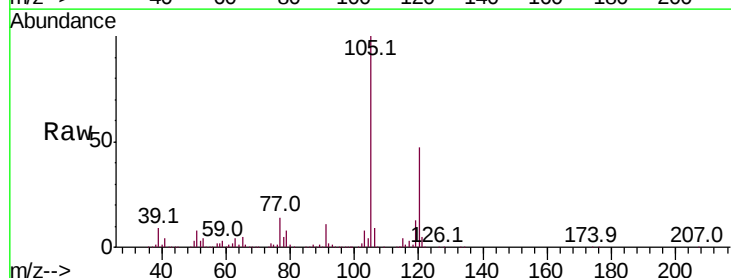
Instrument :
 MSVOA_W
 ClientSampleId :

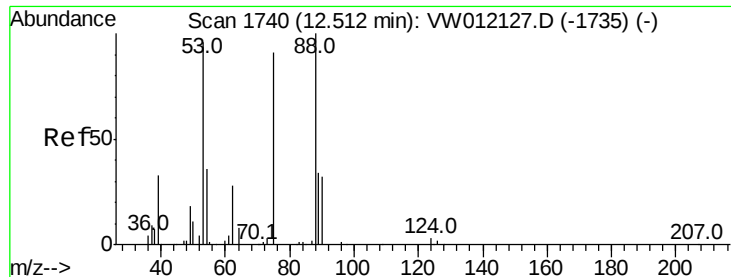
Tot Ion: 91 Resp: 172335
 Ion Ratio Lower Upper
 91 100
 126 30.6 15.7 47.0



#80
 1,3,5-Trimethylbenzene
 Concen: 21.430 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW012391.D
 Acq: 31 Aug 2019 11:17

Tgt Ion:105 Resp: 209911
 Ion Ratio Lower Upper
 105 100
 120 47.8 24.0 72.0

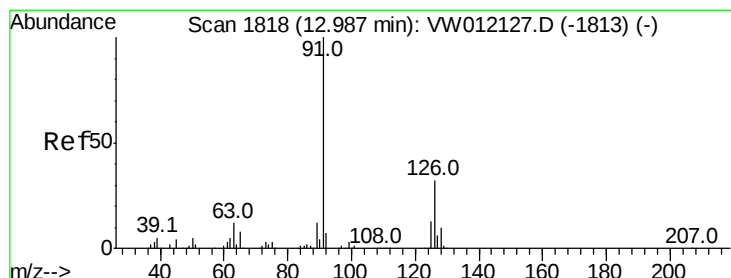
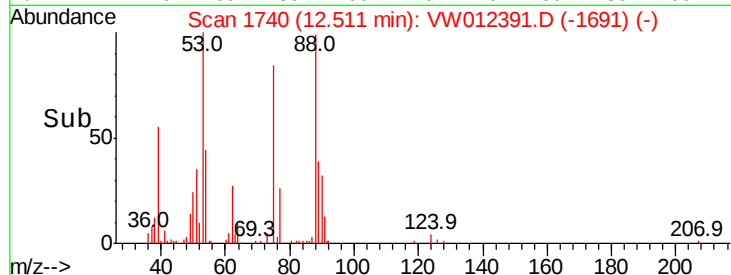
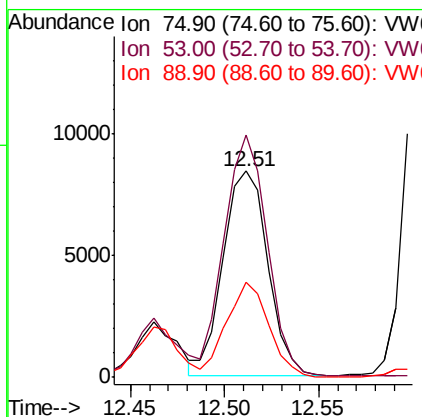
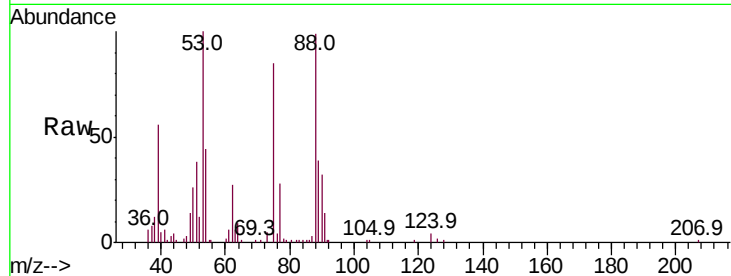




#81
trans-1,4-Dichloro-2-butene
Concen: 19.869 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW012391.D
Acq: 31 Aug 2019 11:17

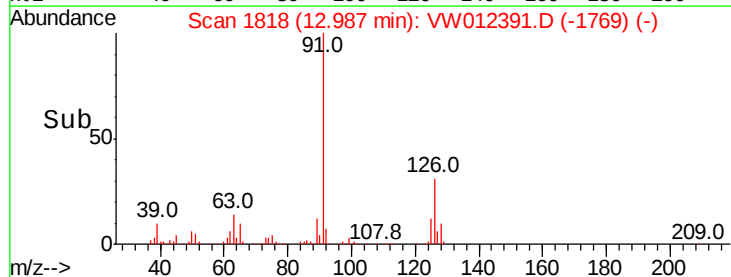
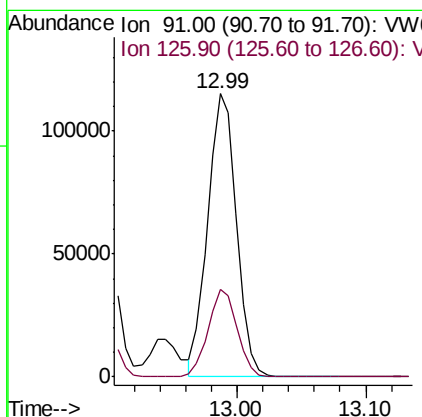
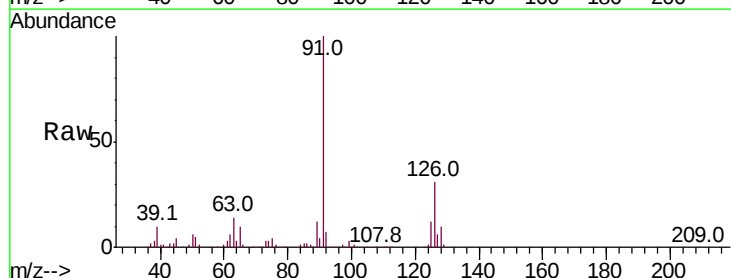
Instrument :
MSVOA_W
ClientSampled :

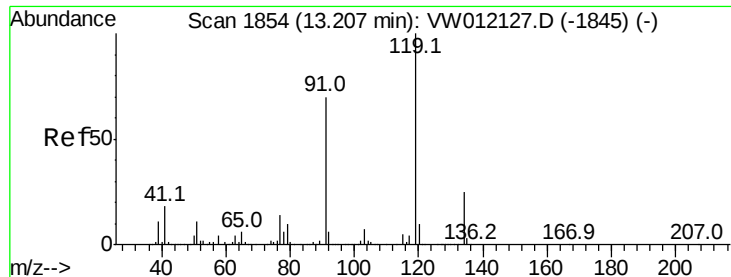
Tot Ion: 75 Resp: 13807
Ion Ratio Lower Upper
75 100
53 112.6 89.4 134.0
89 44.1 34.5 51.7



#82
4-Chlorotoluene
Concen: 21.159 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012391.D
Acq: 31 Aug 2019 11:17

Tgt Ion: 91 Resp: 180008
Ion Ratio Lower Upper
91 100
126 31.4 15.6 46.8

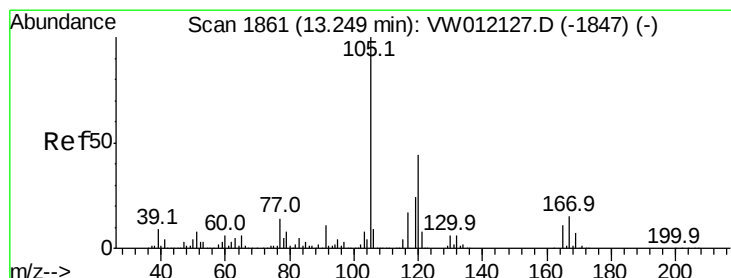
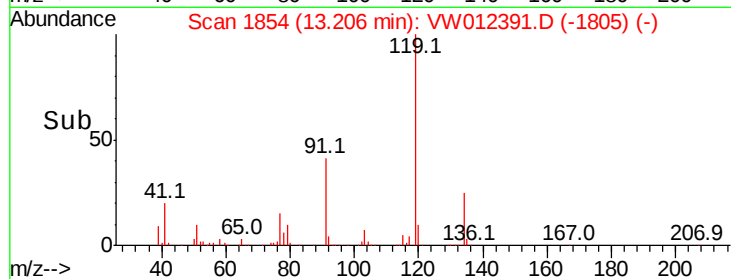
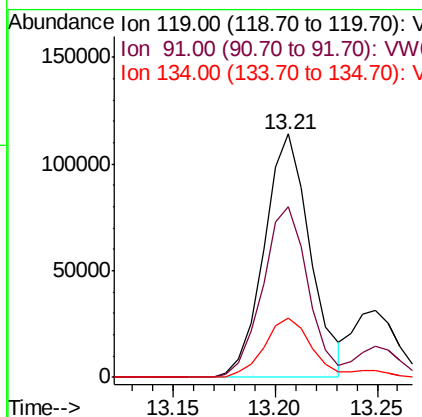
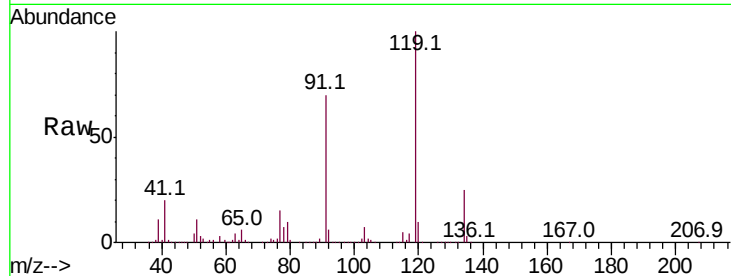




#83
tert-Butylbenzene
Concen: 21.576 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012391.D
Acq: 31 Aug 2019 11:17

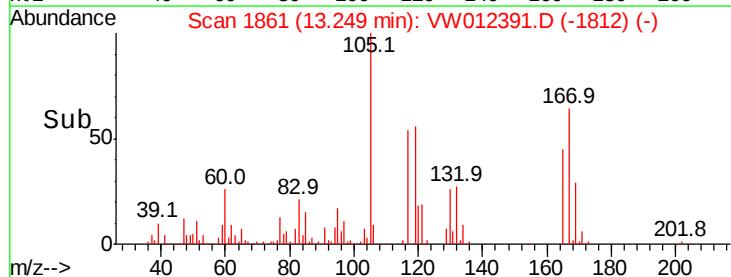
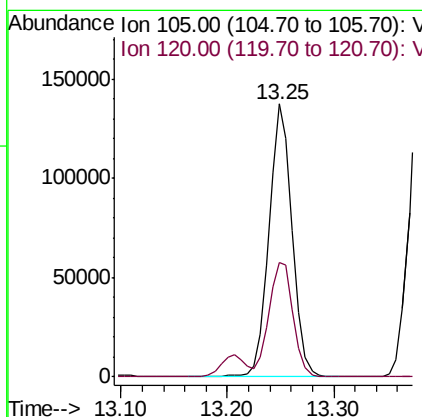
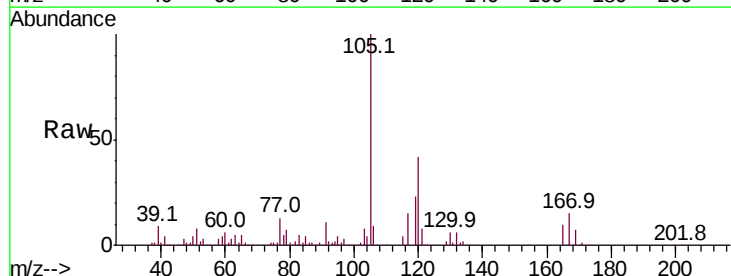
Instrument :
MSVOA_W
ClientSampled :

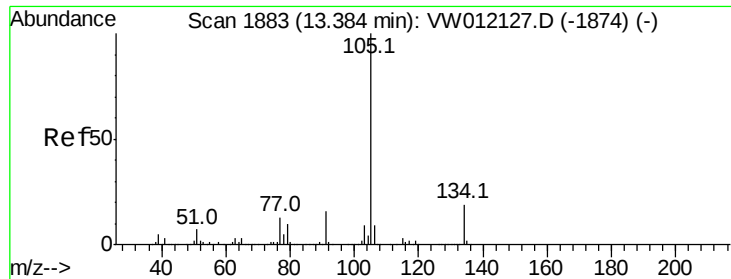
Tot Ion:119 Resp: 179023
Ion Ratio Lower Upper
119 100
91 69.2 34.8 104.3
134 25.0 13.3 39.8



#84
1,2,4-Trimethylbenzene
Concen: 21.134 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012391.D
Acq: 31 Aug 2019 11:17

Tgt Ion:105 Resp: 207949
Ion Ratio Lower Upper
105 100
120 43.7 21.9 65.7

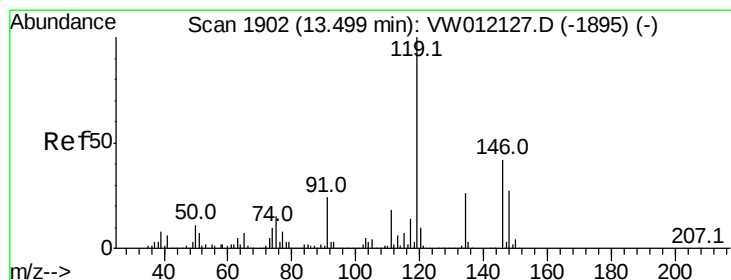
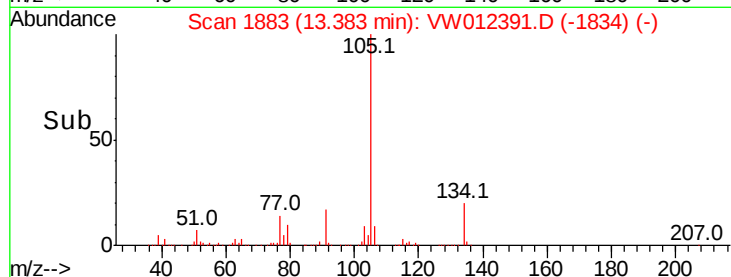
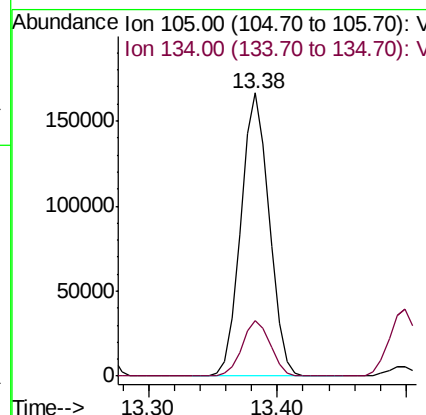
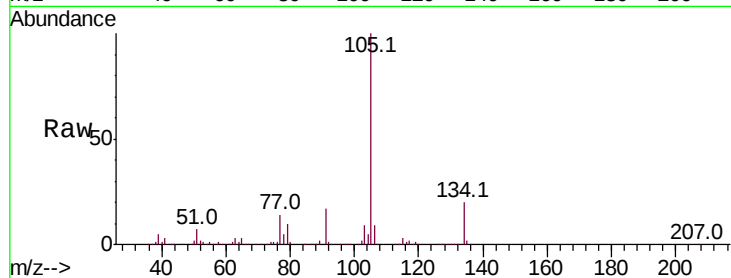




#85
 sec-Butylbenzene
 Concen: 21.330 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012391.D
 Acq: 31 Aug 2019 11:17

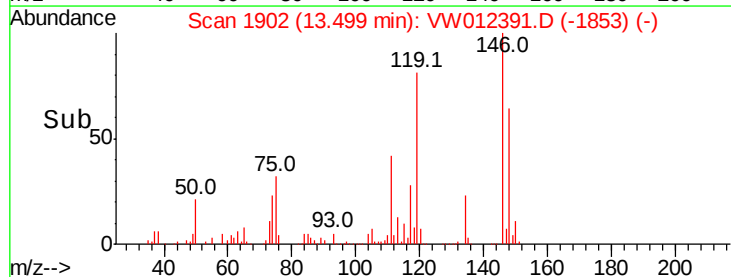
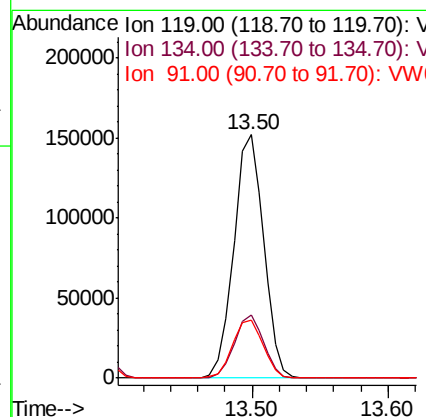
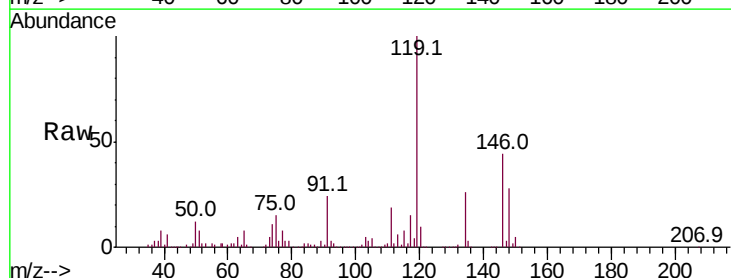
Instrument :
 MSVOA_W
 ClientSampleId :

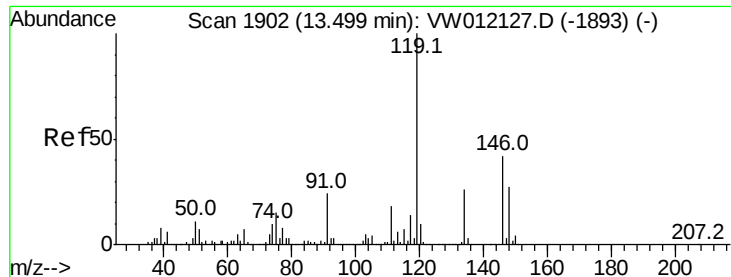
Tot Ion:105 Resp: 253560
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 21.823 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012391.D
 Acq: 31 Aug 2019 11:17

Tgt Ion:119 Resp: 231673
 Ion Ratio Lower Upper
 119 100
 134 25.7 12.8 38.3
 91 24.4 12.3 36.9

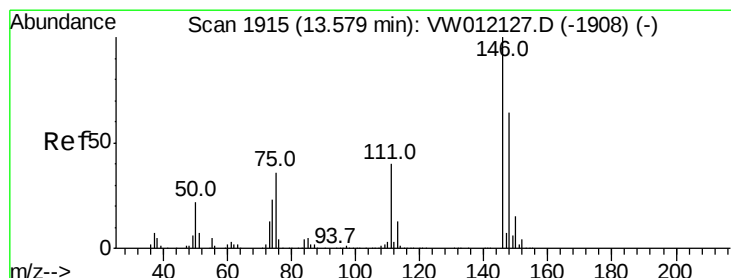
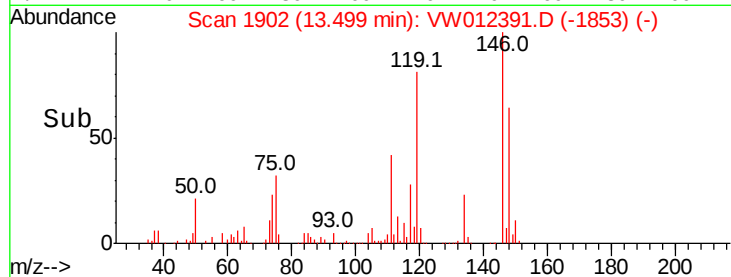
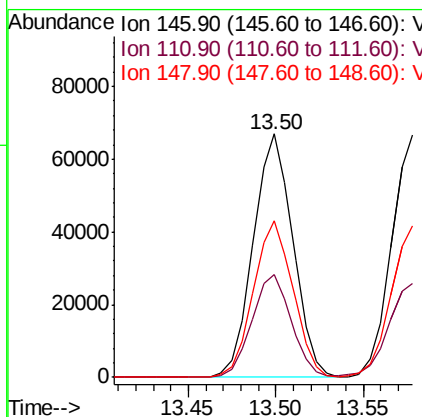
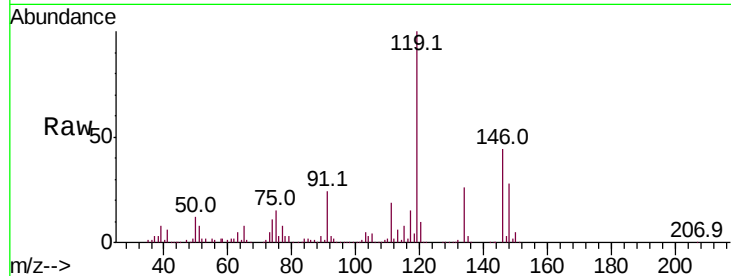




#87
 1,3-Dichlorobenzene
 Concen: 21.248 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012391.D
 Acq: 31 Aug 2019 11:17

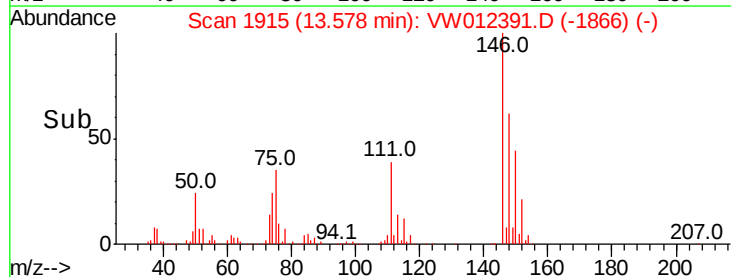
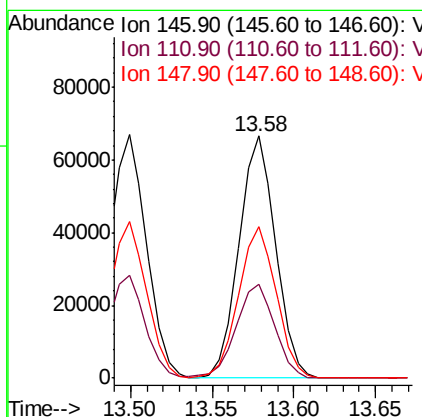
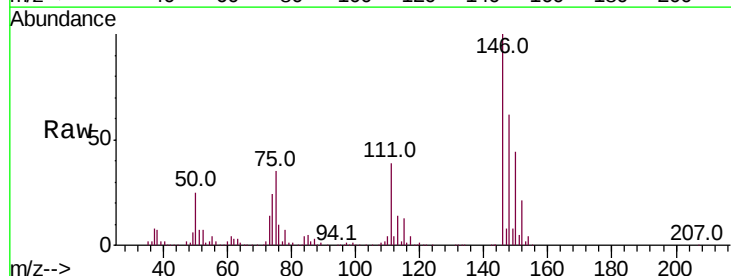
Instrument :
 MSVOA_W
 ClientSampleId :

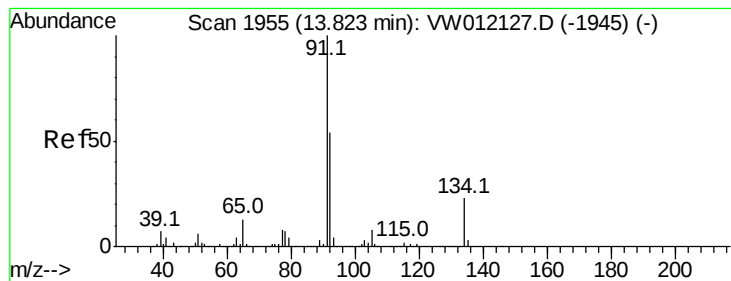
Tot Ion:146 Resp: 105397
 Ion Ratio Lower Upper
 146 100
 111 42.0 20.9 62.7
 148 64.0 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 21.106 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012391.D
 Acq: 31 Aug 2019 11:17

Tgt Ion:146 Resp: 103954
 Ion Ratio Lower Upper
 146 100
 111 41.1 20.0 60.0
 148 64.7 32.1 96.3





#89

n-Butylbenzene

Concen: 21.433 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012391.D

Acq: 31 Aug 2019 11:17

Instrument :

MSVOA_W

ClientSampled :

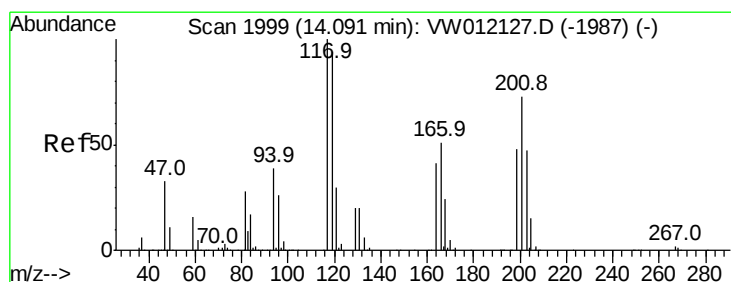
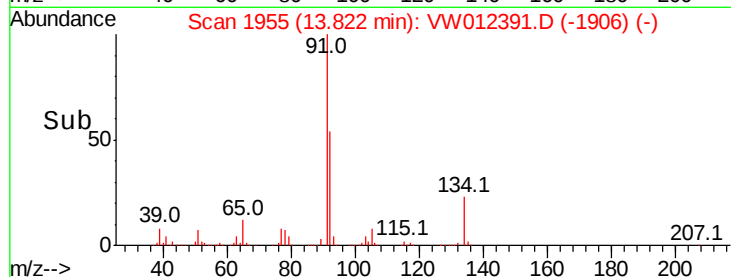
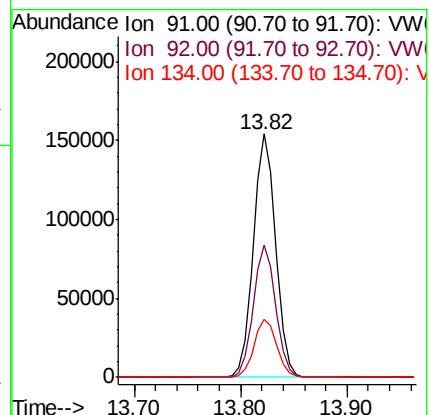
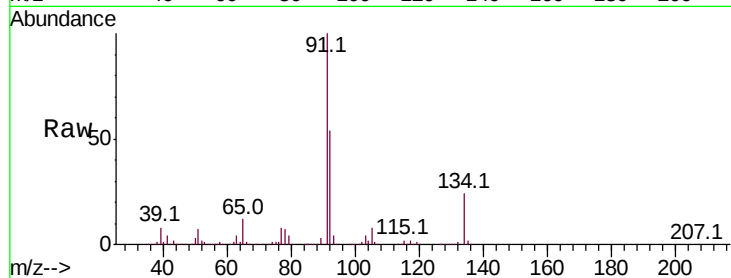
Tot Ion: 91 Resp: 226273

Ion Ratio Lower Upper

91 100

92 54.4 27.1 81.2

134 24.4 12.2 36.4



#90

Hexachloroethane

Concen: 21.359 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW012391.D

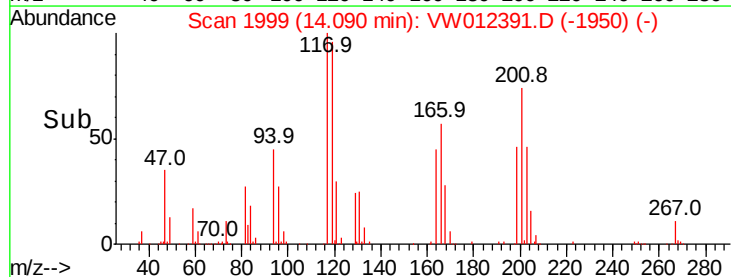
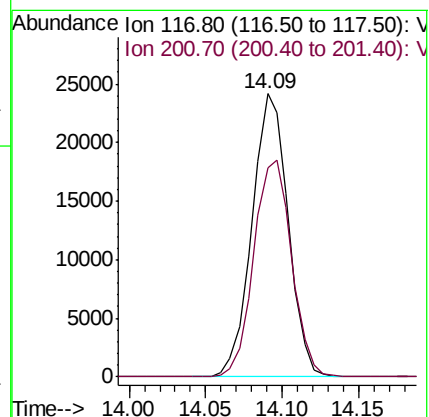
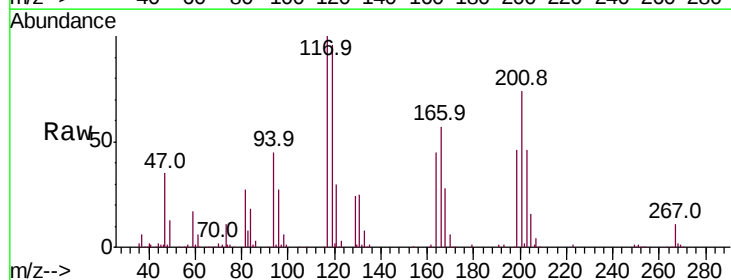
Acq: 31 Aug 2019 11:17

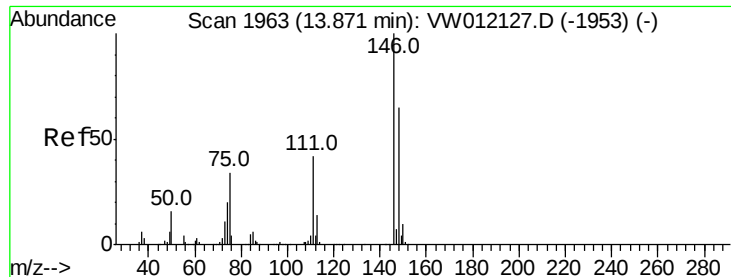
Tgt Ion: 117 Resp: 39783

Ion Ratio Lower Upper

117 100

201 79.9 38.6 115.7

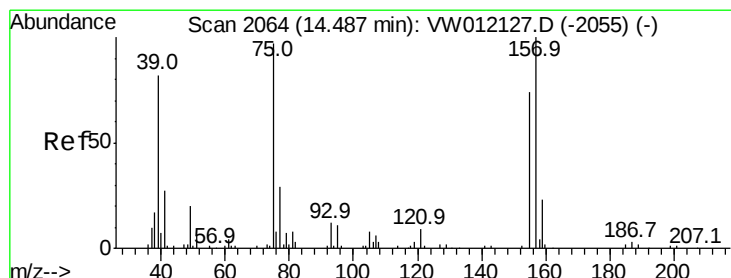
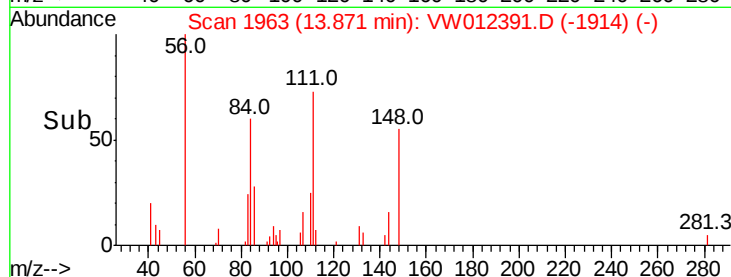
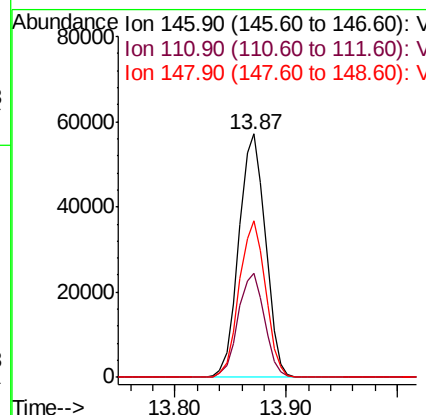
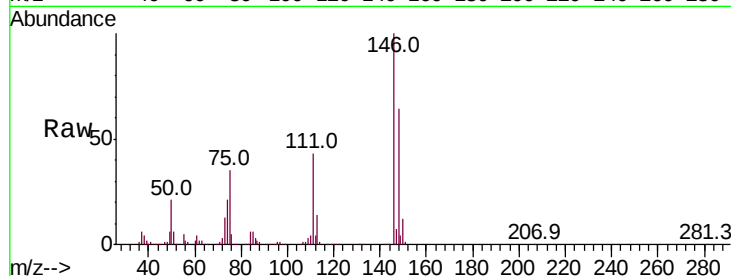




#91
 1,2-Dichlorobenzene
 Concen: 21.731 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012391.D
 Acq: 31 Aug 2019 11:17

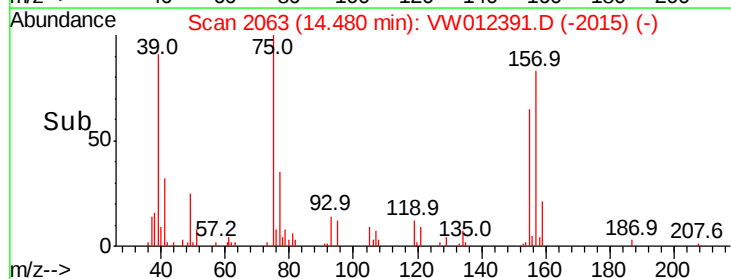
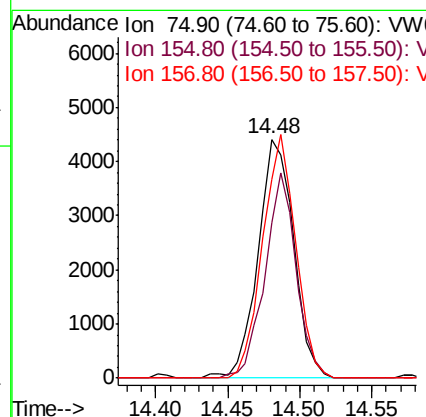
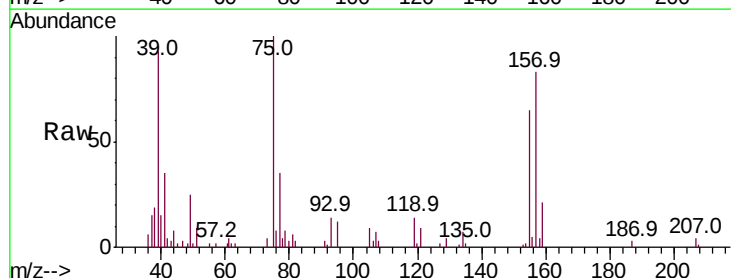
Instrument :
 MSVOA_W
 ClientSampleId :

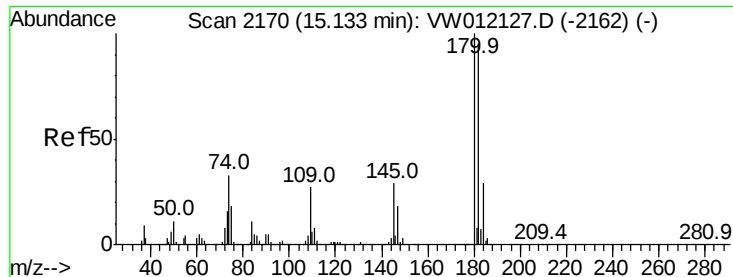
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.2	63.6
148	63.7	32.5	97.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.737 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW012391.D
 Acq: 31 Aug 2019 11:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.5	37.5	112.3
157	94.5	50.5	151.5

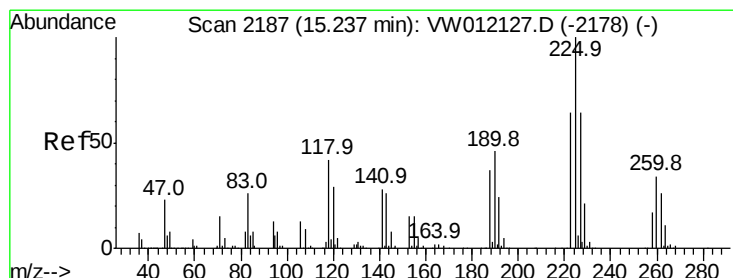
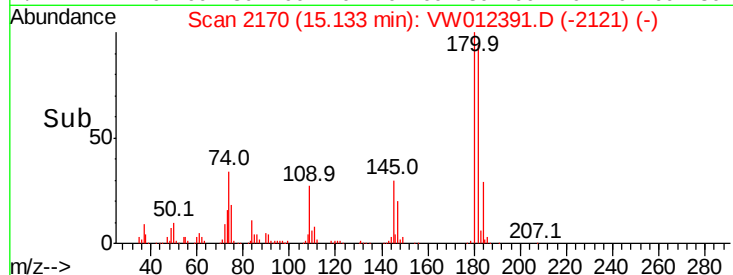
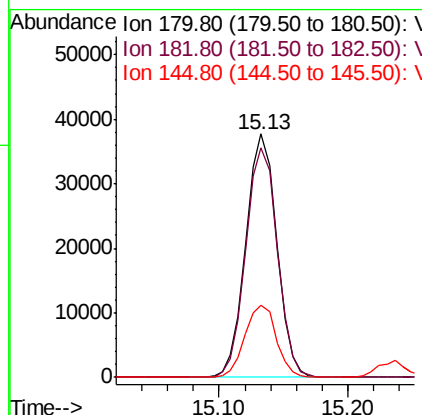
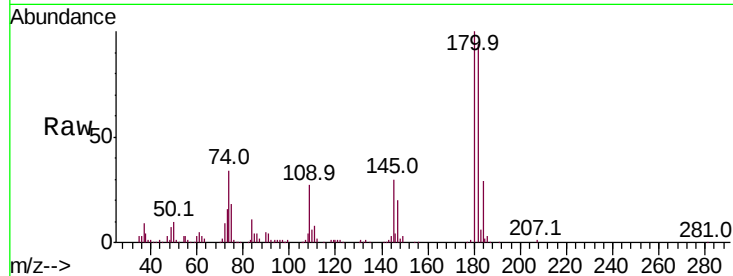




#93
 1,2,4-Trichlorobenzene
 Concen: 20.794 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012391.D
 Acq: 31 Aug 2019 11:17

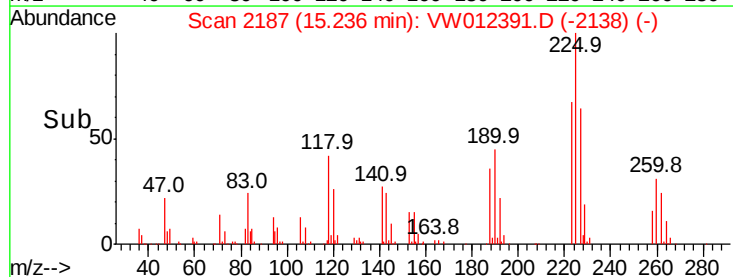
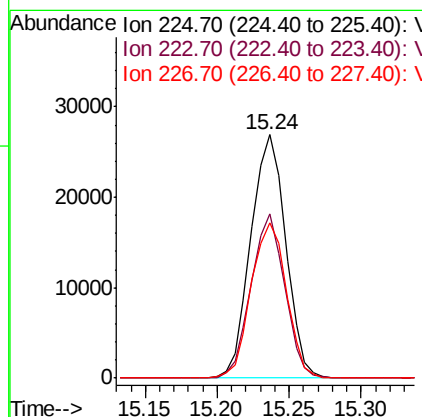
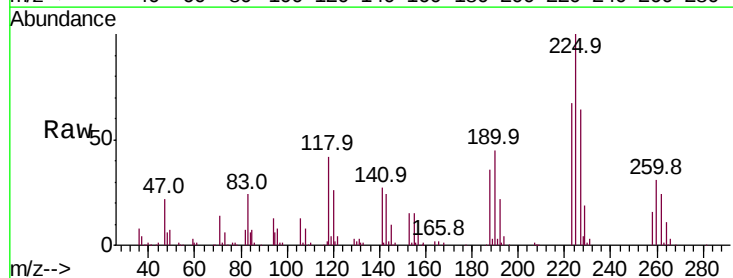
Instrument :
 MSVOA_W
 ClientSampled :

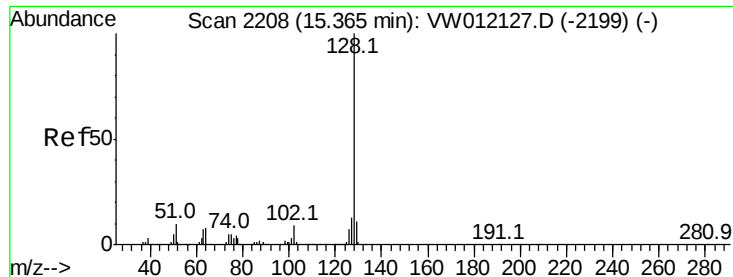
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.8	143.4
145	30.2	15.0	45.1



#94
 Hexachlorobutadiene
 Concen: 22.698 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012391.D
 Acq: 31 Aug 2019 11:17

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.0	32.3	96.8
227	64.5	32.9	98.6

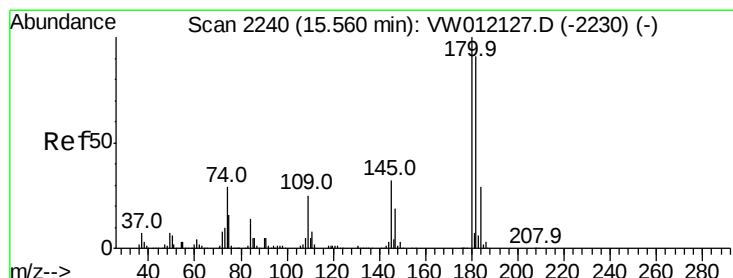
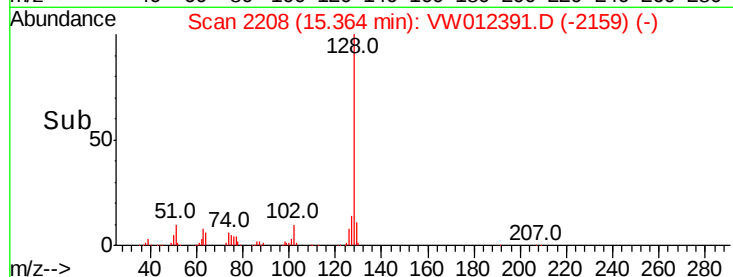
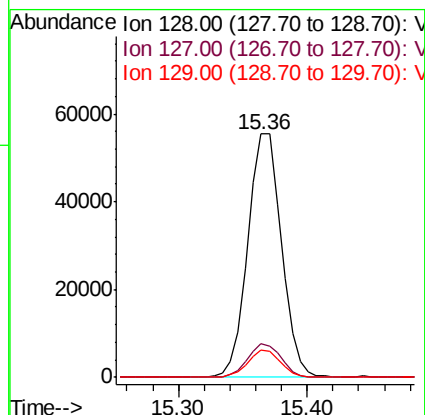
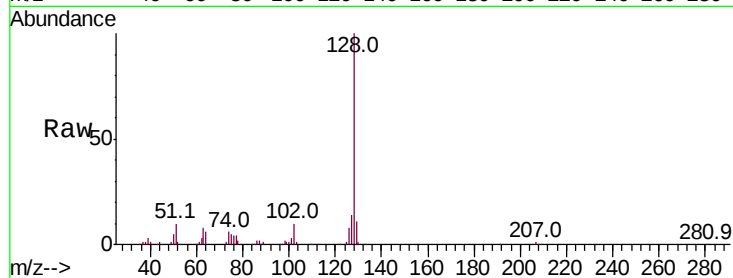




#95
Naphthalene
Concen: 19.823 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012391.D
Acq: 31 Aug 2019 11:17

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.7	16.1
129	10.9	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 20.472 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012391.D
Acq: 31 Aug 2019 11:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.1	141.3
145	32.1	16.2	48.5

