

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090919\
 Data File : VW012816.D
 Acq On : 09 Sep 2019 12:57
 Operator : SY/VA
 Sample : VW0909SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 09 13:22:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 05:04:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	238285	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	353701	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	303083	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	150893	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	126272	47.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.86%	
35) Dibromofluoromethane	7.88	113	100613	47.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.70%	
50) Toluene-d8	10.32	98	419910	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	
62) 4-Bromofluorobenzene	12.62	95	146213	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	23765	18.397	ug/l	96
3) Chloromethane	2.21	50	33036	21.043	ug/l	95
4) Vinyl Chloride	2.36	62	41681	21.653	ug/l	96
5) Bromomethane	2.77	94	22753	21.767	ug/l	96
6) Chloroethane	2.91	64	24399	21.241	ug/l	91
7) Trichlorofluoromethane	3.25	101	25663	19.320	ug/l	95
8) Diethyl Ether	3.68	74	20592	18.444	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	40425	19.392	ug/l	97
10) Methyl Iodide	4.27	142	51307	19.551	ug/l	98
11) Tert butyl alcohol	5.18	59	17722	86.999	ug/l #	83
12) 1,1-Dichloroethene	4.04	96	37577	19.096	ug/l	92
13) Acrolein	3.90	56	17282	79.947	ug/l	100
14) Allyl chloride	4.66	41	73966	18.170	ug/l	99
15) Acrylonitrile	5.37	53	57233	87.769	ug/l	99
16) Acetone	4.13	43	55744	76.800	ug/l	99
17) Carbon Disulfide	4.38	76	80251	19.213	ug/l	98
18) Methyl Acetate	4.67	43	30818	18.097	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	74466	19.081	ug/l	93
20) Methylene Chloride	4.91	84	43260	19.051	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	39976	19.910	ug/l	92
22) Diisopropyl ether	6.31	45	149252	18.486	ug/l	95
23) Vinyl Acetate	6.25	43	469935	91.844	ug/l	100
24) 1,1-Dichloroethane	6.21	63	82598	19.000	ug/l	99
25) 2-Butanone	7.17	43	82720	90.988	ug/l	99
26) 2,2-Dichloropropane	7.17	77	51267	18.672	ug/l	95
27) cis-1,2-Dichloroethene	7.16	96	45404	19.502	ug/l	98
28) Bromochloromethane	7.51	49	33903	16.985	ug/l #	92
29) Tetrahydrofuran	7.53	42	50477	86.118	ug/l	96
30) Chloroform	7.68	83	81298	18.870	ug/l	98
31) Cyclohexane	7.95	56	73745	18.843	ug/l	89
32) 1,1,1-Trichloroethane	7.87	97	65550	18.770	ug/l	99
36) 1,1-Dichloropropene	8.08	75	62205	19.793	ug/l	99
37) Ethyl Acetate	7.25	43	33640	16.791	ug/l	98
38) Carbon Tetrachloride	8.07	117	59198	19.109	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	71229	20.180	ug/l	97
40) Benzene	8.32	78	170144	19.513	ug/l	100
41) Methacrylonitrile	7.48	41	20677	17.856	ug/l	93
42) 1,2-Dichloroethane	8.40	62	56074	18.273	ug/l	97
43) Isopropyl Acetate	8.43	43	68099	17.942	ug/l	98
44) Trichloroethene	9.09	130	44715	19.894	ug/l	88
45) 1,2-Dichloropropane	9.37	63	45705	18.899	ug/l	98
46) Dibromomethane	9.46	93	21529	18.799	ug/l	96
47) Bromodichloromethane	9.65	83	58246	18.487	ug/l	98
48) Methyl methacrylate	9.43	41	31014	17.098	ug/l	98
49) 1,4-Dioxane	9.46	88	8154	360.461	ug/l #	73
51) 4-Methyl-2-Pentanone	10.21	43	176484	88.612	ug/l	98
52) Toluene	10.38	92	107501	19.753	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	59506	18.367	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	68824	18.726	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	33249	19.393	ug/l	99
56) Ethyl methacrylate	10.65	69	47372	18.876	ug/l	96
57) 1,3-Dichloropropane	10.93	76	58302	18.381	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	123310	92.551	ug/l	97
59) 2-Hexanone	10.97	43	122619	84.271	ug/l	98
60) Dibromochloromethane	11.13	129	36724	18.213	ug/l	97
61) 1,2-Dibromoethane	11.24	107	29255	18.612	ug/l	98
64) Tetrachloroethene	10.86	164	37123	20.186	ug/l	97
65) Chlorobenzene	11.66	112	113111	19.746	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	41843	19.615	ug/l	99
67) Ethyl Benzene	11.73	91	212909	19.810	ug/l	100
68) m/p-Xylenes	11.84	106	155891	40.184	ug/l	100
69) o-Xylene	12.16	106	72824	19.897	ug/l	99
70) Styrene	12.18	104	127158	19.661	ug/l	100
71) Bromoform	12.35	173	22083	18.632	ug/l #	99
73) Isopropylbenzene	12.46	105	212204	19.608	ug/l	100
74) N-amyl acetate	12.27	43	59290	17.259	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	40155	18.475	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	51969	33.682	ug/l #	100
77) Bromobenzene	12.74	156	47660	19.438	ug/l	96
78) n-propylbenzene	12.80	91	252201	19.485	ug/l	100
79) 2-Chlorotoluene	12.89	91	142793	19.217	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	179921	19.729	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	12929	17.723	ug/l	98
82) 4-Chlorotoluene	12.99	91	149546	19.027	ug/l	99
83) tert-Butylbenzene	13.21	119	158689	19.680	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	177799	19.349	ug/l	99
85) sec-Butylbenzene	13.38	105	215912	19.296	ug/l	99
86) p-Isopropyltoluene	13.50	119	200068	19.575	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	92536	19.201	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	92456	19.279	ug/l	99
89) n-Butylbenzene	13.82	91	187860	18.933	ug/l	99
90) Hexachloroethane	14.09	117	33045	18.521	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	85744	19.767	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	6833	17.179	ug/l	97

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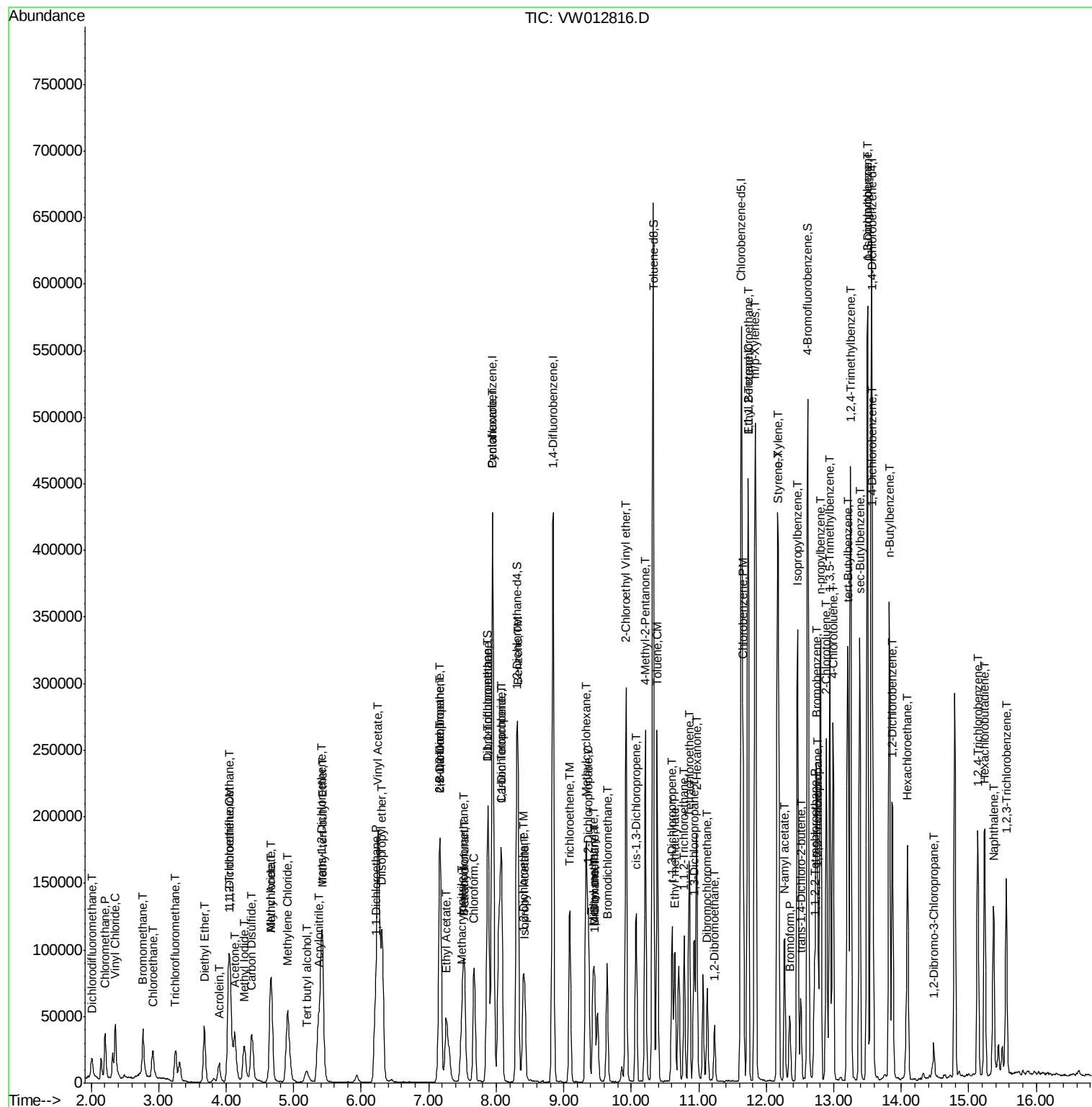
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	59060	19.556	ug/l	99
94) Hexachlorobutadiene	15.24	225	40983	19.606	ug/l	100
95) Naphthalene	15.36	128	106956	19.834	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	52301	19.619	ug/l	99

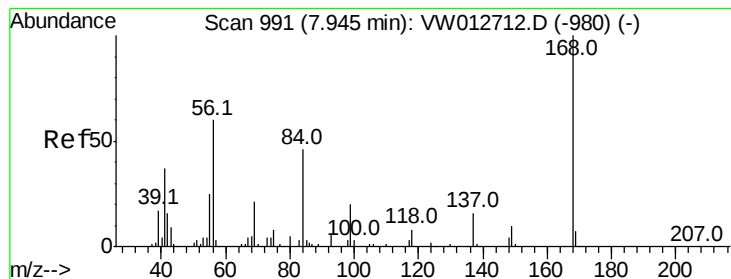
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

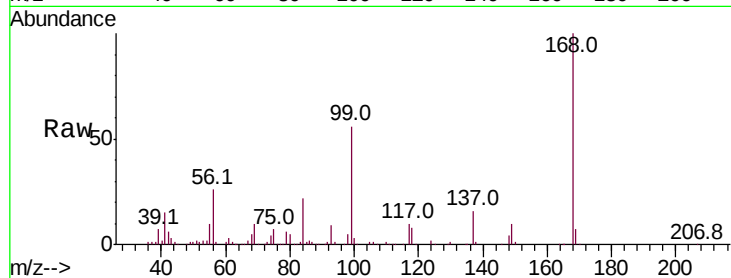
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 238285

Ion Ratio Lower Upper

168 100

99 55.8 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

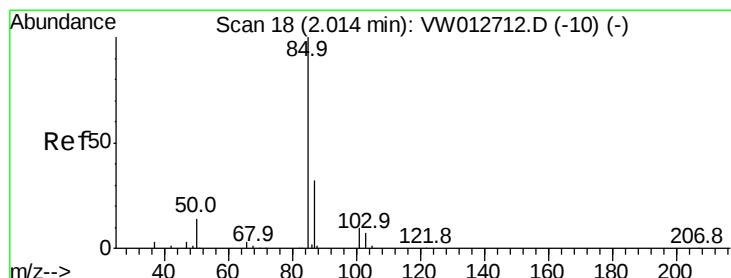
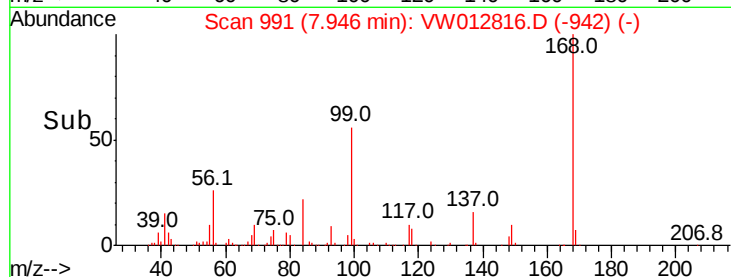
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 18.397 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW012816.D

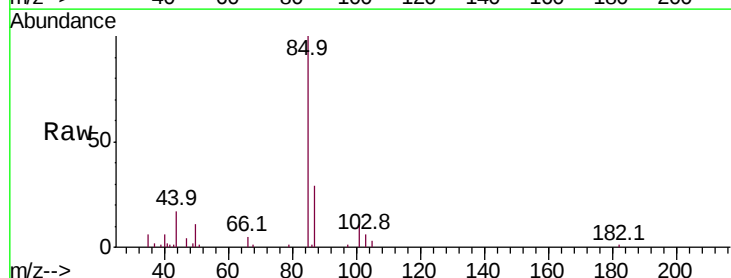
Acq: 09 Sep 2019 12:57

Tgt Ion: 85 Resp: 23765

Ion Ratio Lower Upper

85 100

87 29.4 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

10000

8000

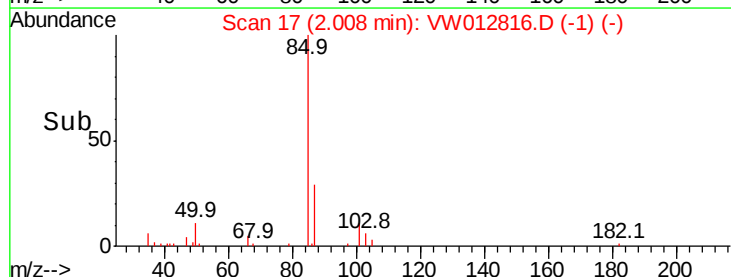
6000

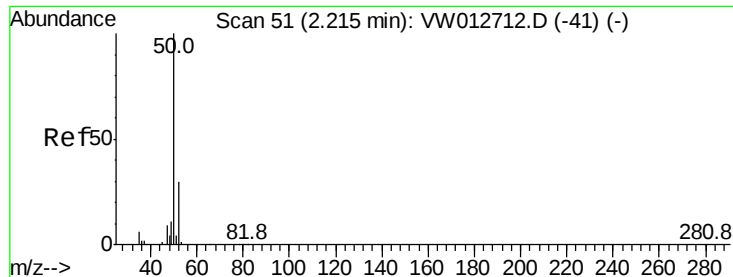
4000

2000

0

Time--> 1.95 2.00 2.05 2.10





#3

Chloromethane

Concen: 21.043 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

Instrument :

MSVOA_W

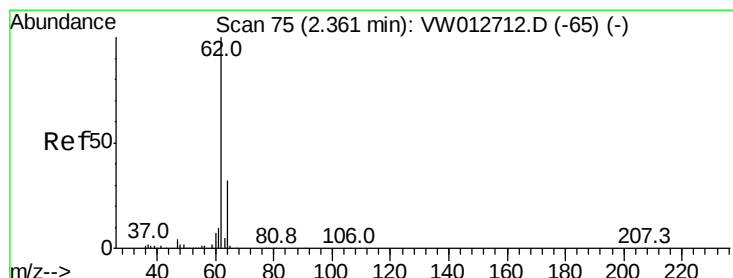
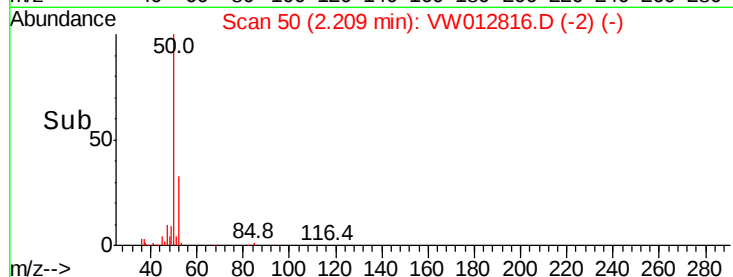
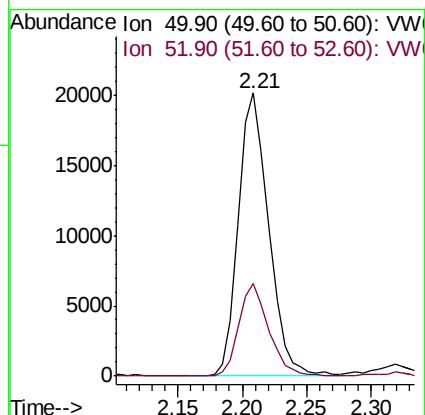
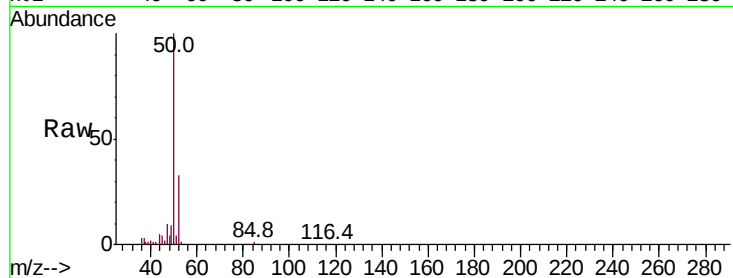
ClientSampleId :

Tot Ion: 50 Resp: 33036

Ion Ratio Lower Upper

50 100

52 32.7 24.2 36.2



#4

Vinyl Chloride

Concen: 21.653 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW012816.D

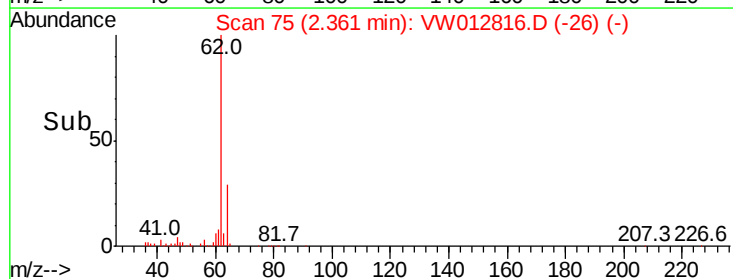
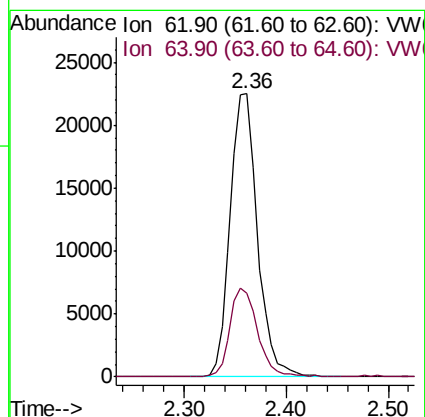
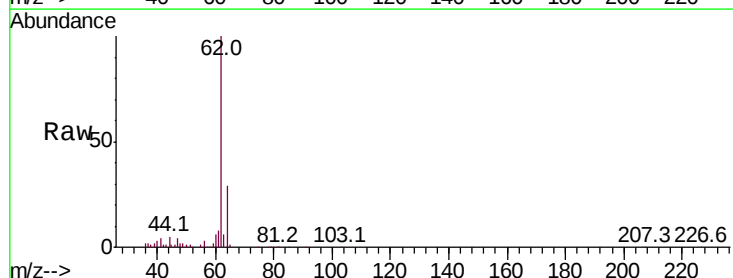
Acq: 09 Sep 2019 12:57

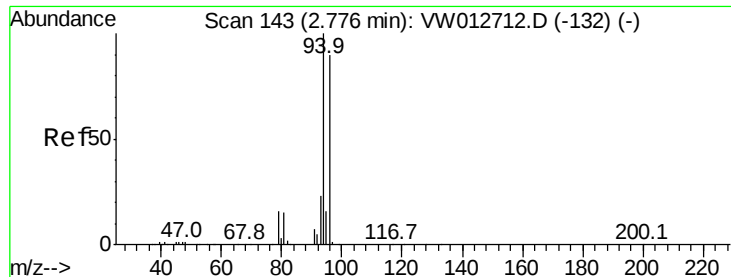
Tgt Ion: 62 Resp: 41681

Ion Ratio Lower Upper

62 100

64 29.4 25.3 37.9





#5

Bromomethane

Concen: 21.767 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

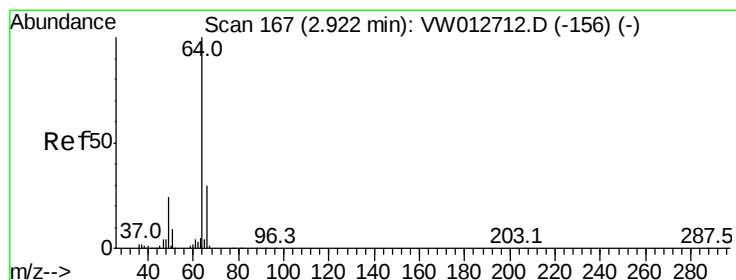
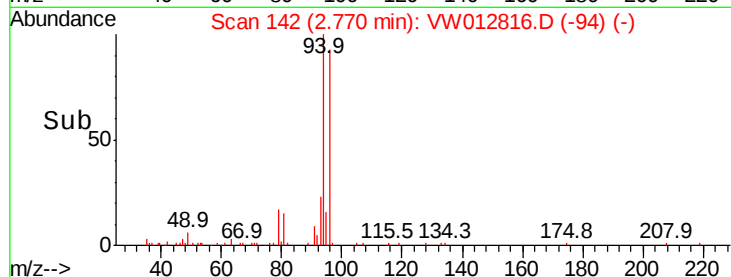
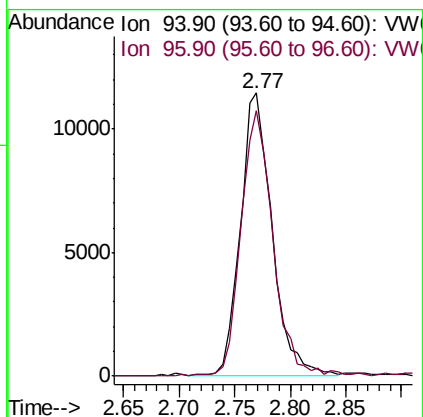
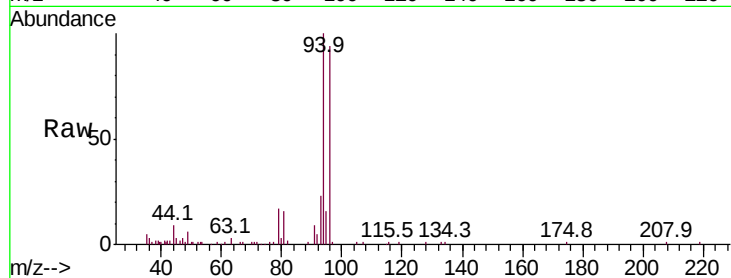
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 94 Resp: 22753

Ion Ratio Lower Upper

94 100

96 93.7 72.1 108.1



#6

Chloroethane

Concen: 21.241 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW012816.D

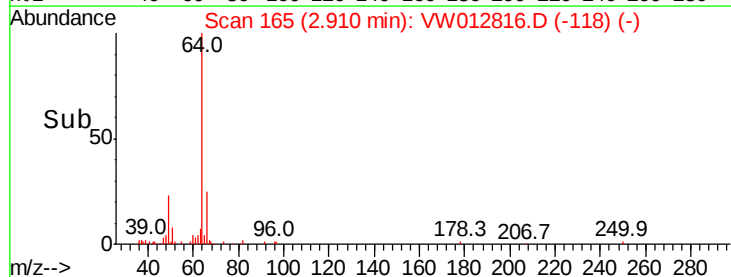
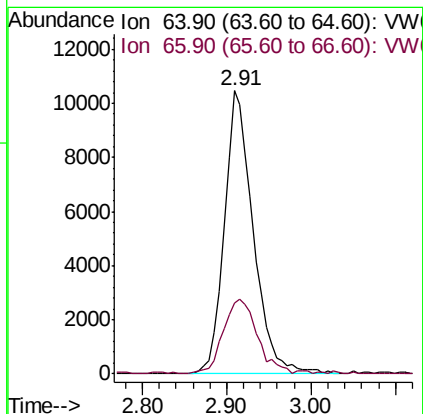
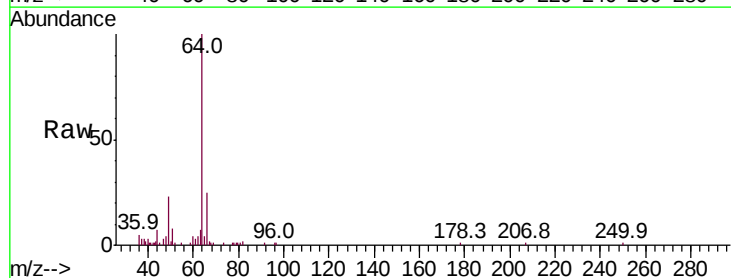
Acq: 09 Sep 2019 12:57

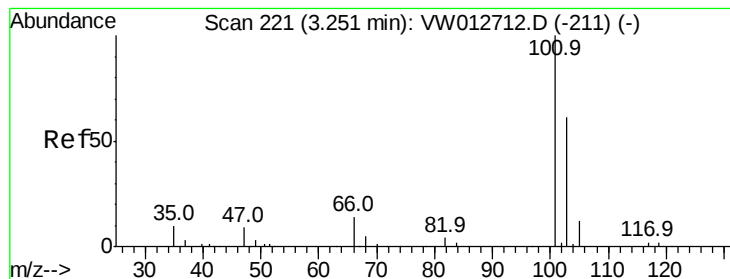
Tgt Ion: 64 Resp: 24399

Ion Ratio Lower Upper

64 100

66 24.9 23.8 35.6



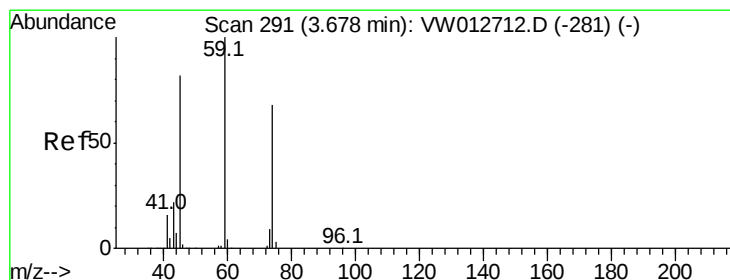
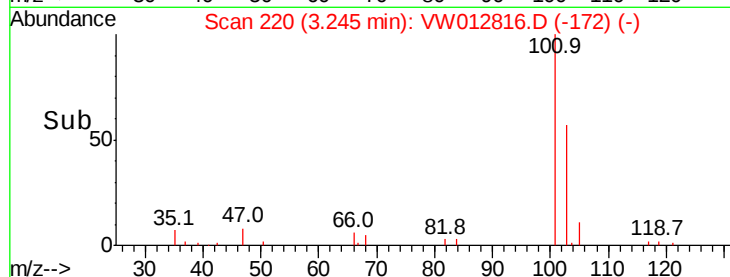
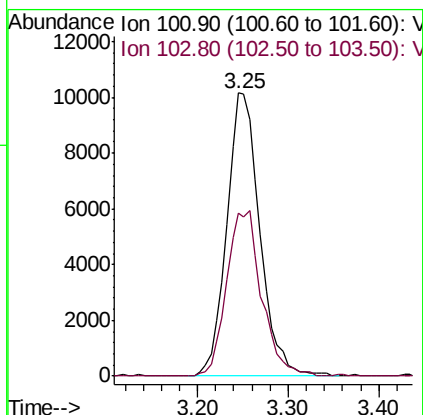
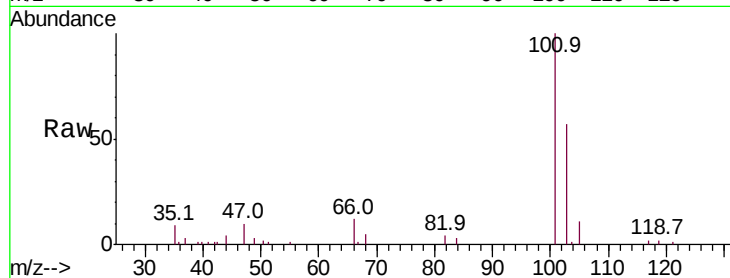


#7

Trichlorofluoromethane
Concen: 19.320 ug/l
RT: 3.25 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW012816.D
Acq: 09 Sep 2019 12:57

Instrument :
MSVOA_W
ClientSampleId :

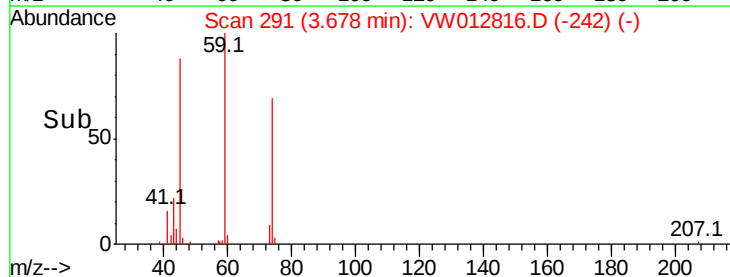
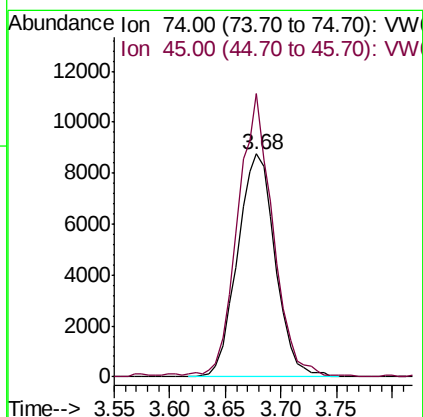
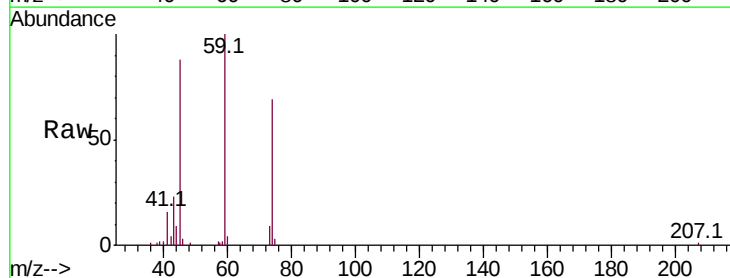
Tot Ion:101 Resp: 25663
Ion Ratio Lower Upper
101 100
103 57.4 49.0 73.4

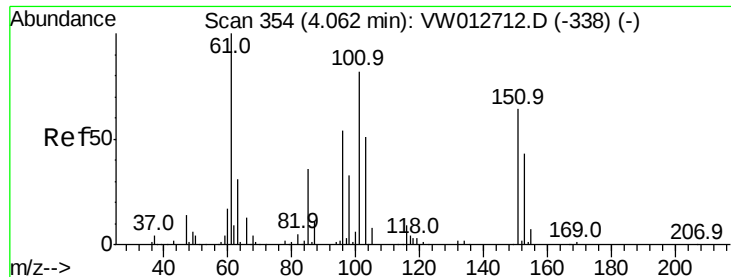


#8

Diethyl Ether
Concen: 18.444 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW012816.D
Acq: 09 Sep 2019 12:57

Tgt Ion: 74 Resp: 20592
Ion Ratio Lower Upper
74 100
45 115.8 58.8 176.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.392 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

Instrument :

MSVOA_W

ClientSampled :

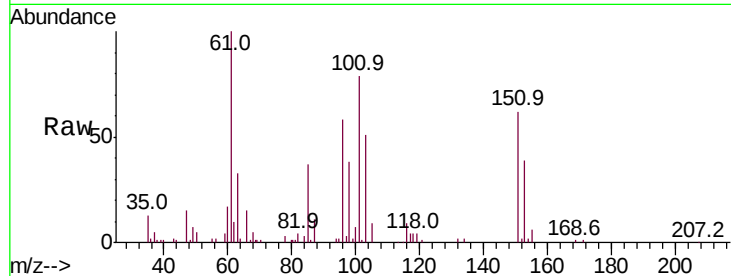
Tot Ion:101 Resp: 40425

Ion Ratio Lower Upper

101 100

85 44.7 36.2 54.2

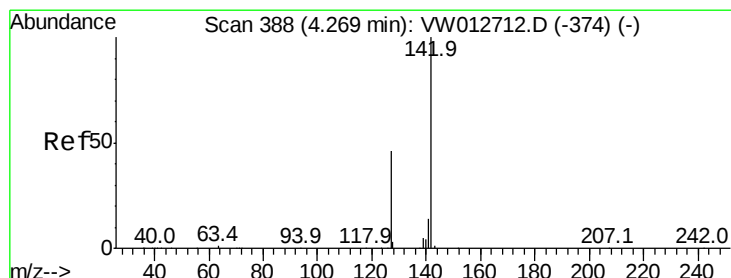
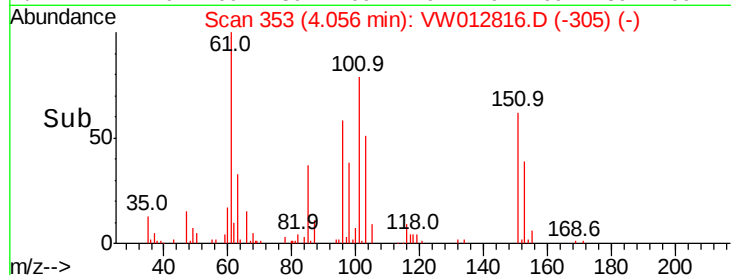
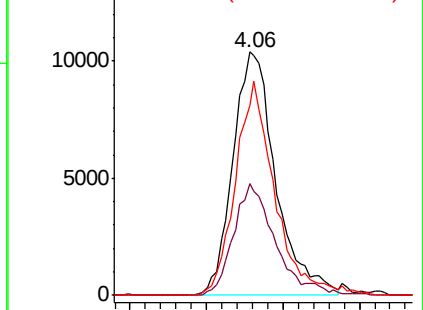
151 80.7 61.9 92.9



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: 19.551 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

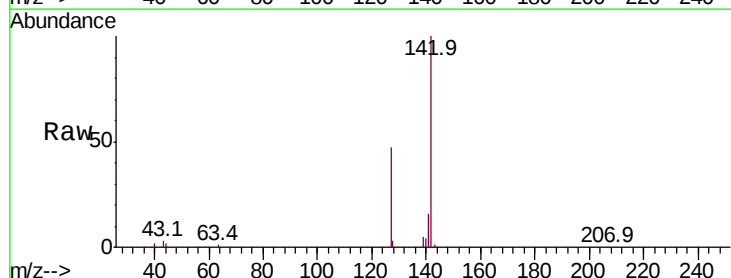
Tgt Ion:142 Resp: 51307

Ion Ratio Lower Upper

142 100

127 43.4 36.0 54.0

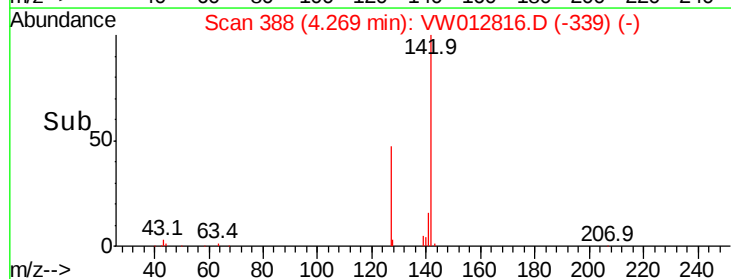
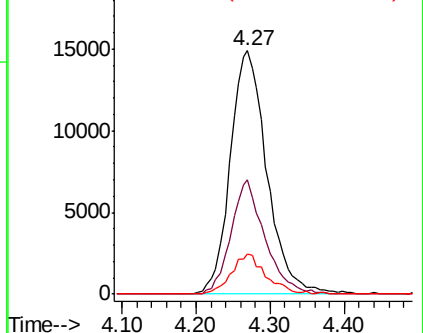
141 15.3 12.2 18.4

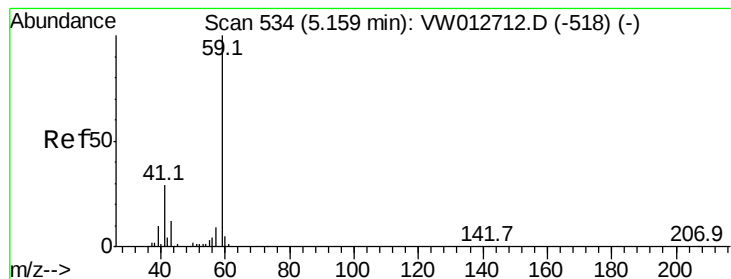


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 86.999 ug/l

RT: 5.18 min Scan# 538

Delta R.T. 0.02 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

Instrument :

MSVOA_W

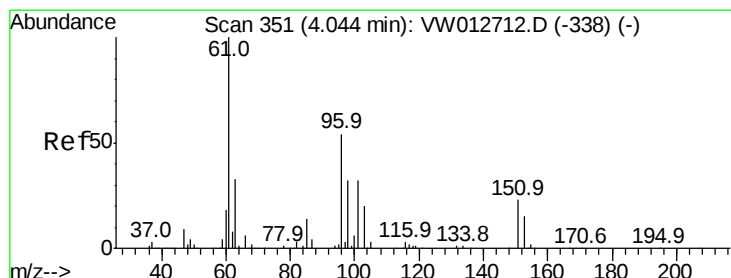
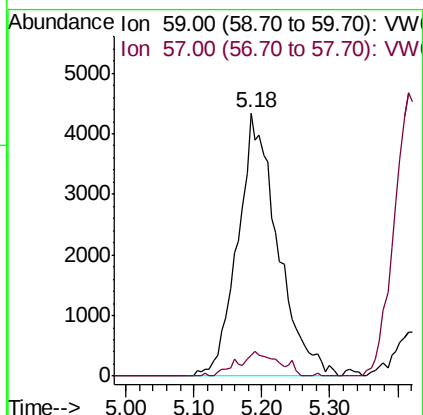
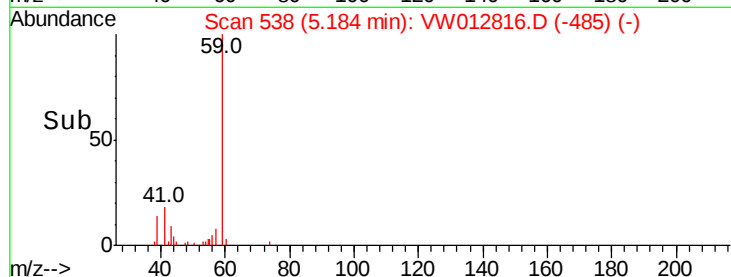
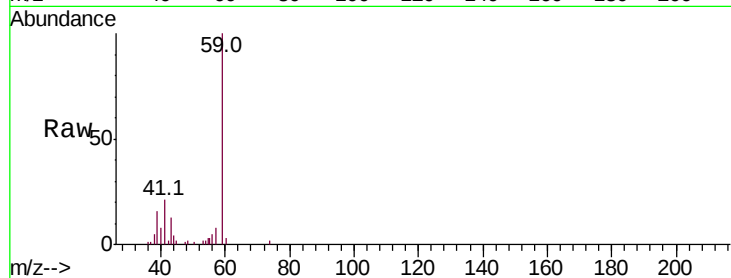
ClientSampled :

Tot Ion: 59 Resp: 17722

Ion Ratio Lower Upper

59 100

57 3.9 8.2 12.4#



#12

1,1-Dichloroethene

Concen: 19.096 ug/l

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

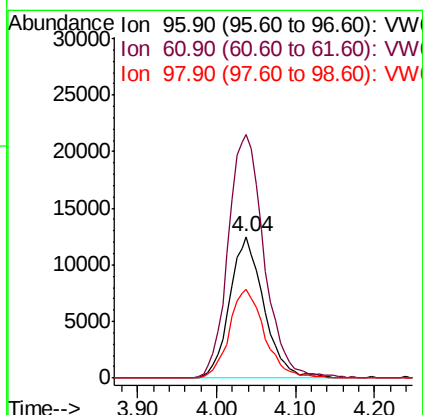
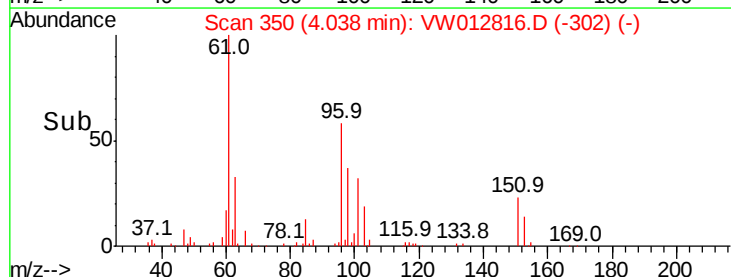
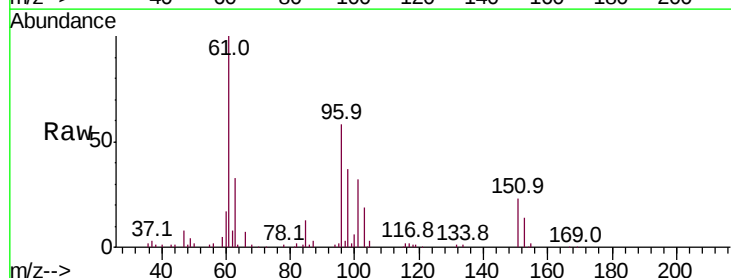
Tgt Ion: 96 Resp: 37577

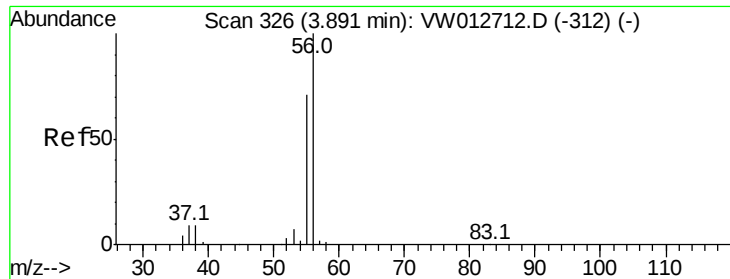
Ion Ratio Lower Upper

96 100

61 172.3 147.8 221.6

98 63.0 47.9 71.9





#13

Acrolein

Concen: 79.947 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

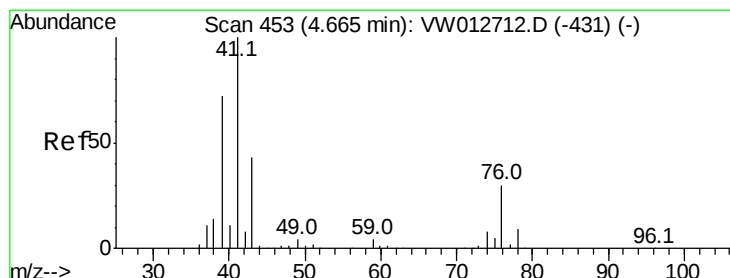
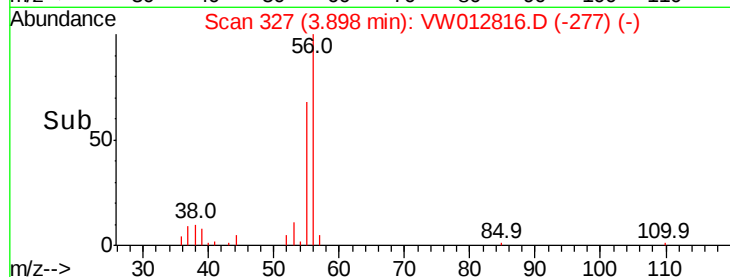
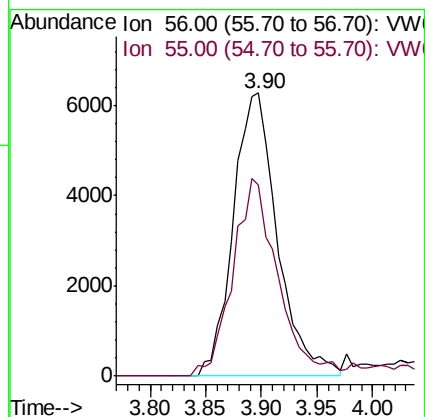
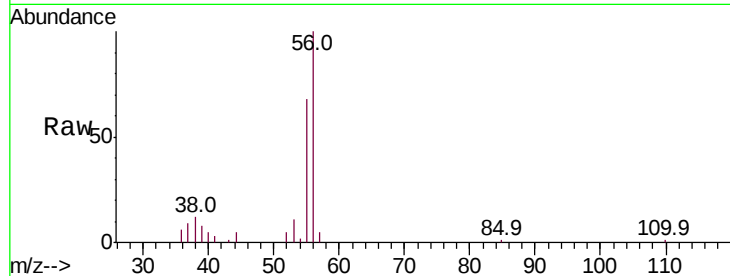
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 17282

Ion Ratio Lower Upper

56 100

55 71.3 56.9 85.3



#14

Allyl chloride

Concen: 18.170 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

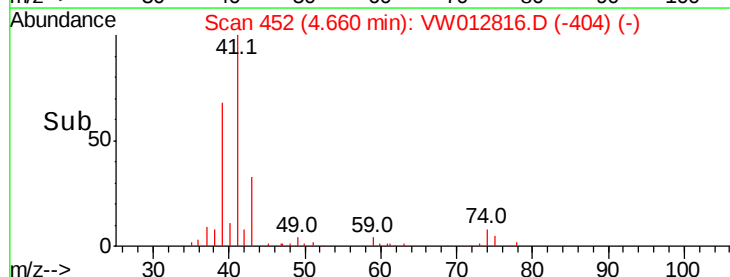
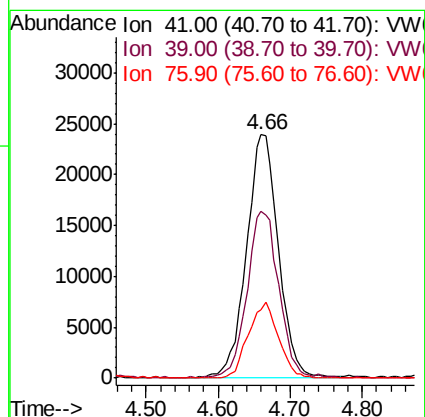
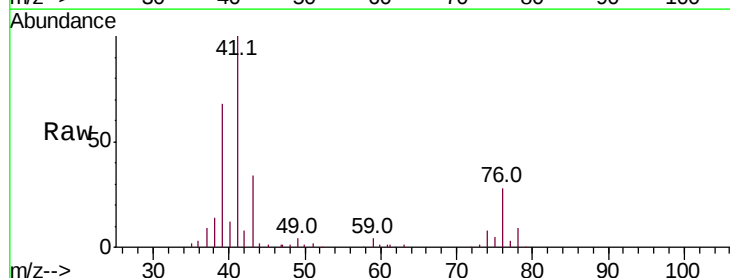
Tgt Ion: 41 Resp: 73966

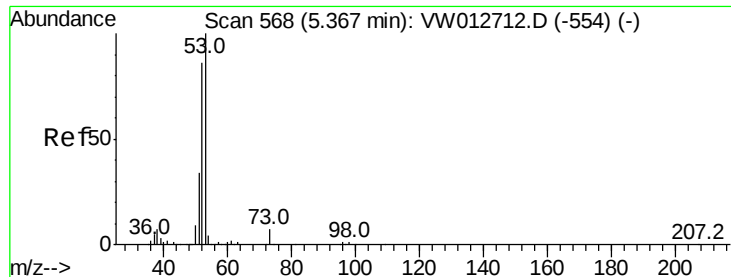
Ion Ratio Lower Upper

41 100

39 67.8 55.0 82.6

76 29.3 23.0 34.4





#15

Acrylonitrile

Concen: 87.769 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

Instrument :

MSVOA_W

ClientSampleId :

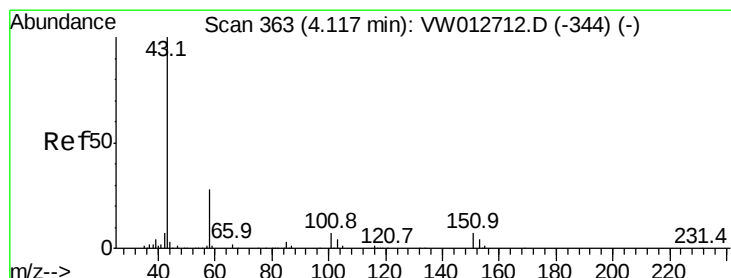
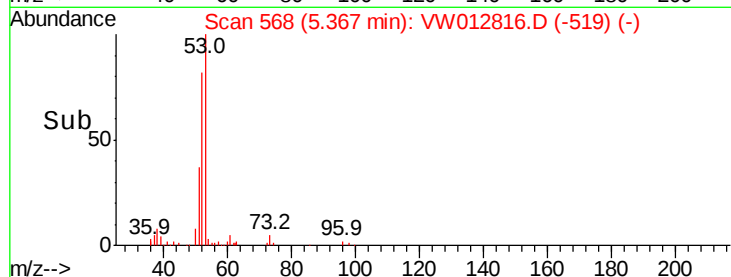
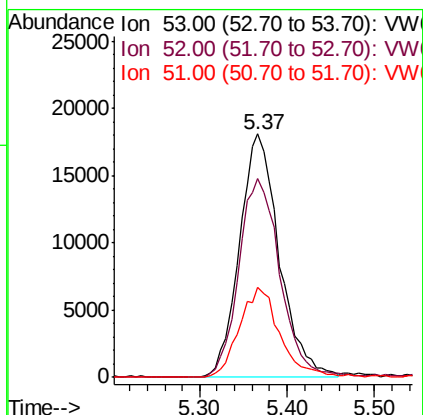
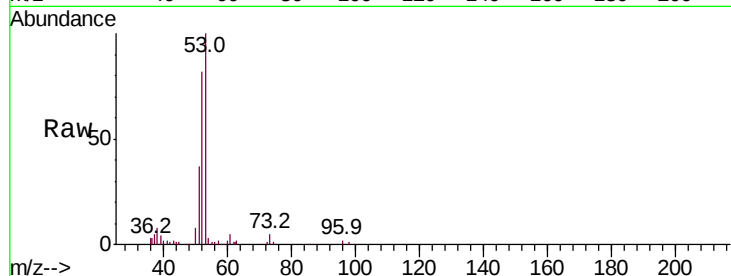
Tot Ion: 53 Resp: 57233

Ion Ratio Lower Upper

53 100

52 84.8 67.0 100.4

51 37.8 29.8 44.8



#16

Acetone

Concen: 76.800 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW012816.D

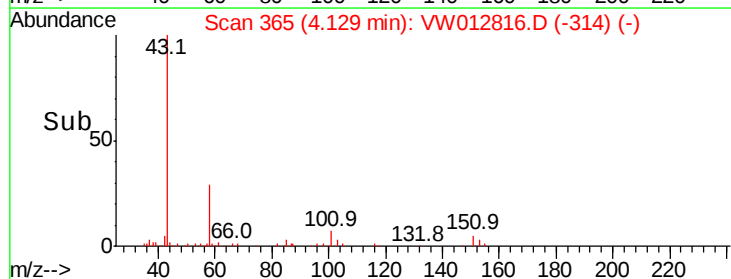
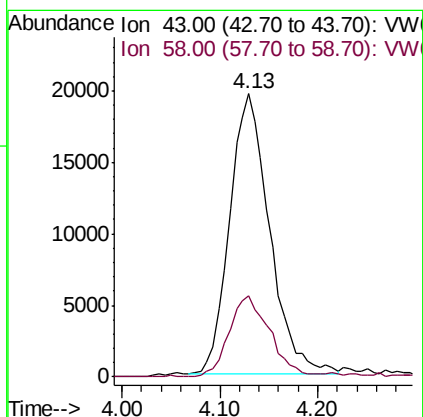
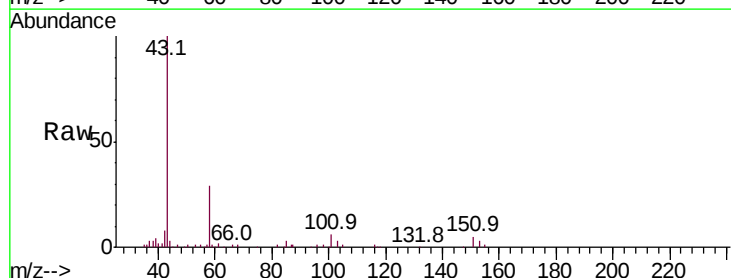
Acq: 09 Sep 2019 12:57

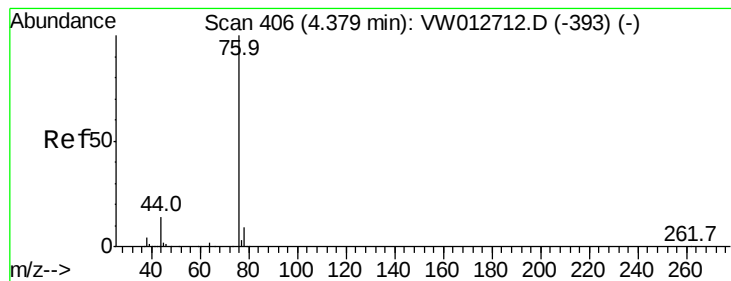
Tgt Ion: 43 Resp: 55744

Ion Ratio Lower Upper

43 100

58 28.8 22.6 33.8





#17

Carbon Disulfide

Concen: 19.213 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

Instrument :

MSVOA_W

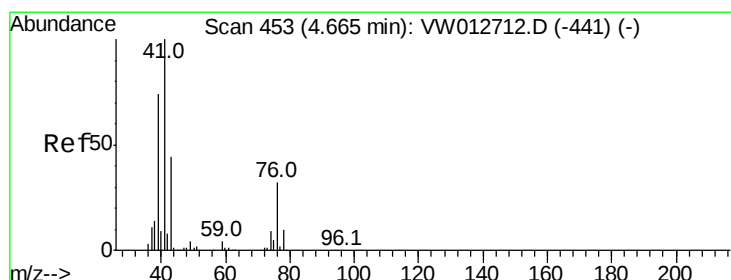
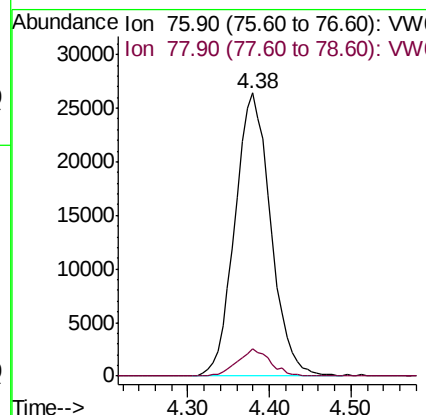
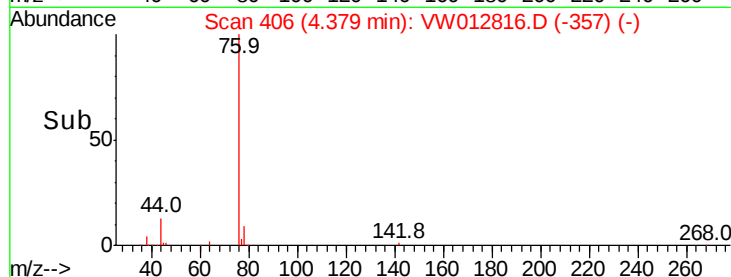
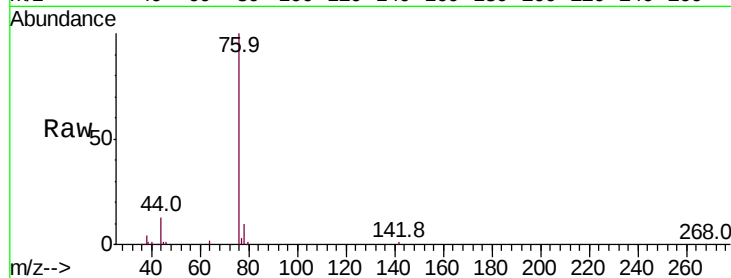
ClientSampled :

Tot Ion: 76 Resp: 80251

Ion Ratio Lower Upper

76 100

78 9.6 7.2 10.8



#18

Methyl Acetate

Concen: 18.097 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW012816.D

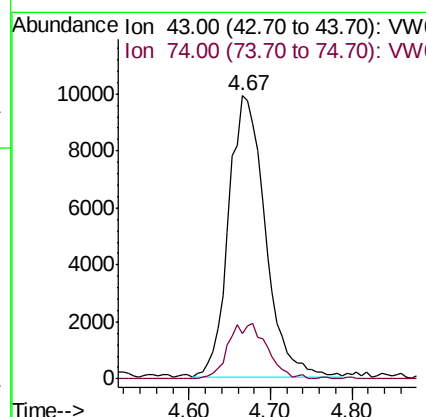
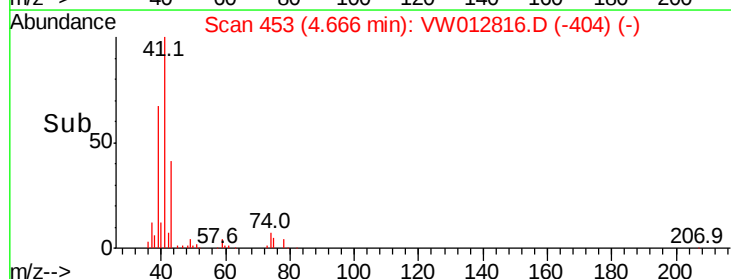
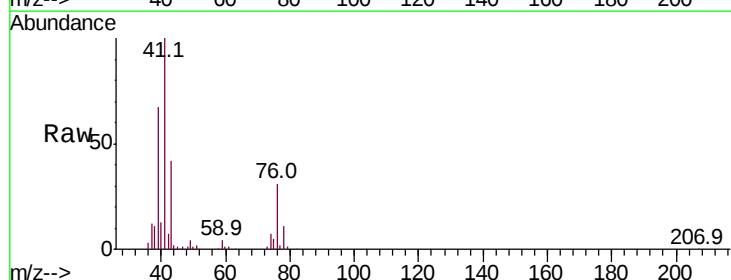
Acq: 09 Sep 2019 12:57

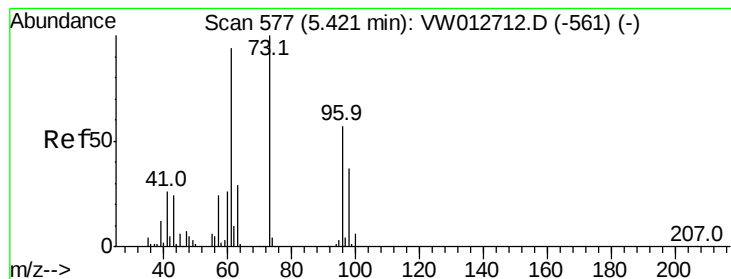
Tgt Ion: 43 Resp: 30818

Ion Ratio Lower Upper

43 100

74 20.8 15.8 23.6



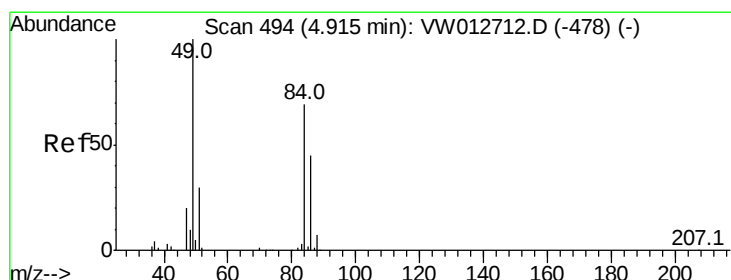
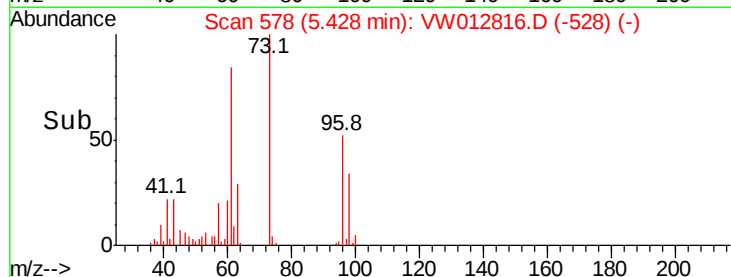
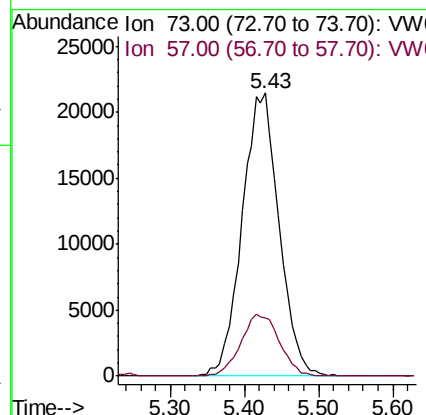
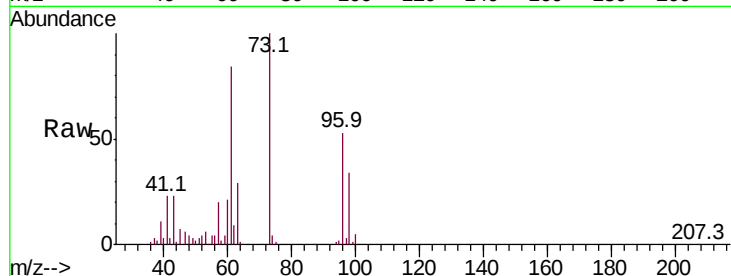


#19

Methyl tert-butyl Ether
 Concen: 19.081 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: VW012816.D
 Acq: 09 Sep 2019 12:57

Instrument :
 MSVOA_W
 ClientSampled :

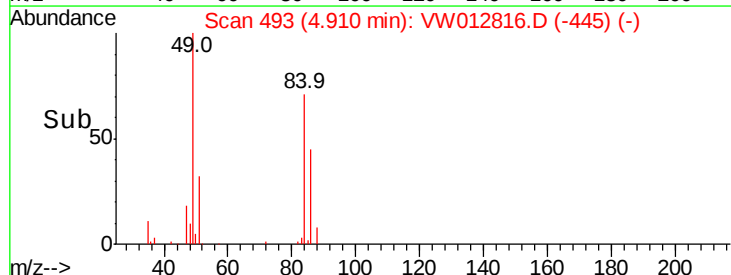
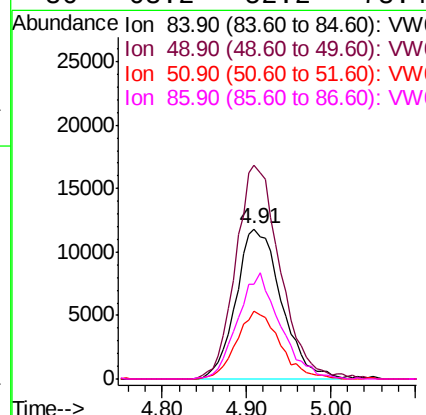
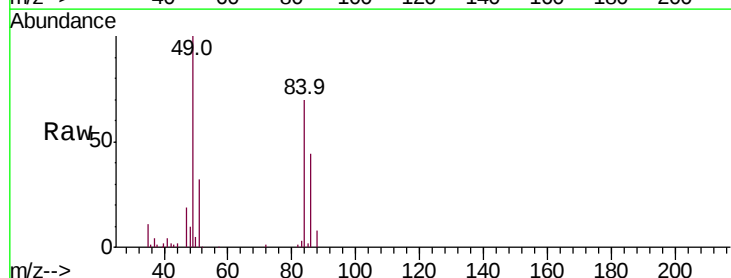
Tot Ion: 73 Resp: 74466
 Ion Ratio Lower Upper
 73 100
 57 20.3 19.2 28.8

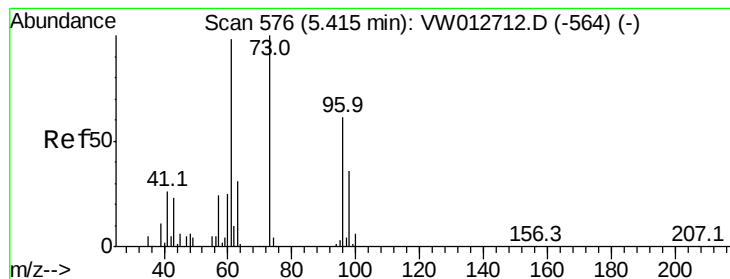


#20

Methylene Chloride
 Concen: 19.051 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW012816.D
 Acq: 09 Sep 2019 12:57

Tgt Ion: 84 Resp: 43260
 Ion Ratio Lower Upper
 84 100
 49 142.4 115.4 173.0
 51 45.0 34.9 52.3
 86 63.2 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 19.910 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

Instrument :
MSVOA_W
ClientSampled :

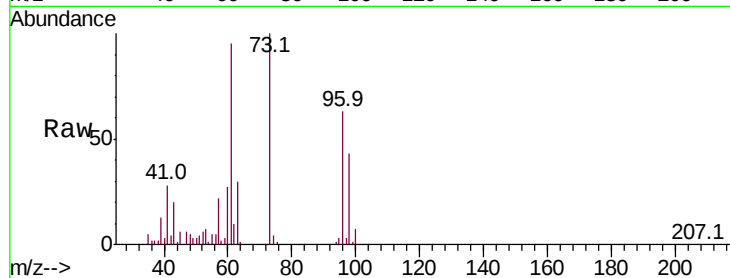
Tot Ion: 96 Resp: 39976

Ion Ratio Lower Upper

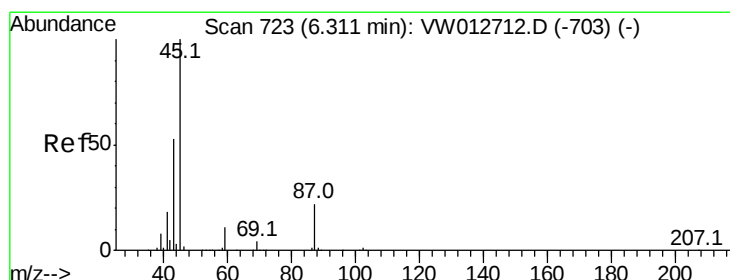
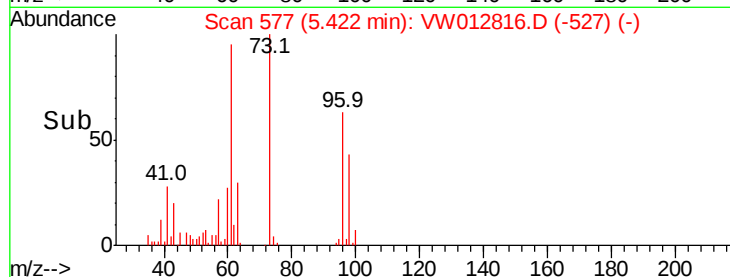
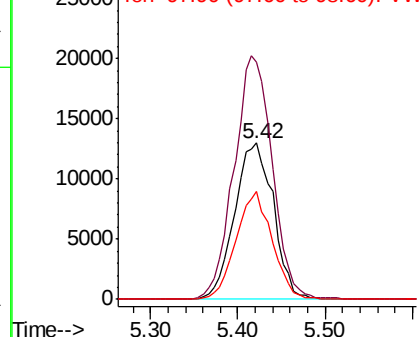
96 100

61 152.3 129.2 193.8

98 68.8 48.0 72.0



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: 18.486 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

Tgt Ion: 45 Resp: 149252

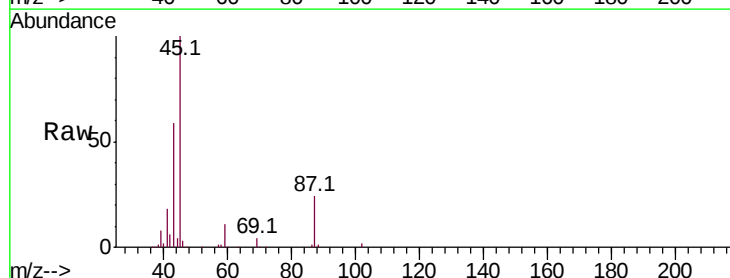
Ion Ratio Lower Upper

45 100

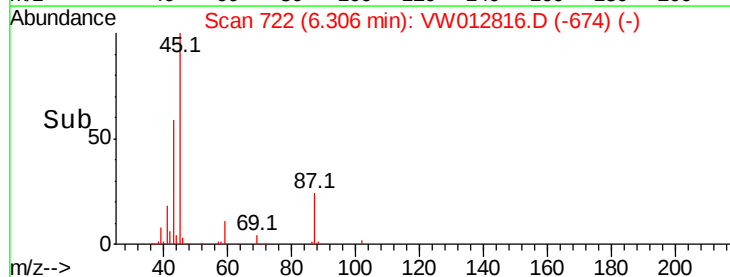
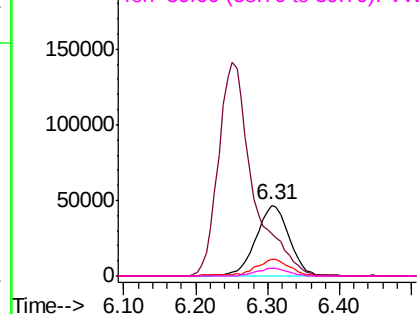
43 58.1 42.3 63.5

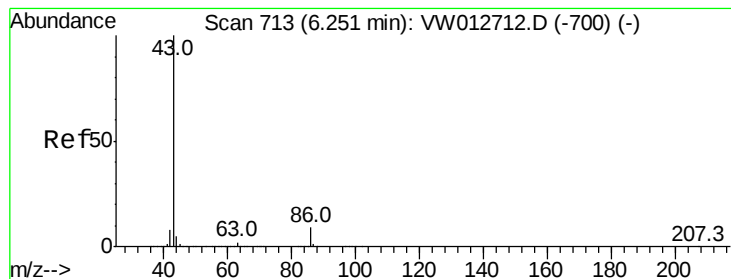
87 23.7 18.2 27.2

59 11.1 8.5 12.7



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: 91.844 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

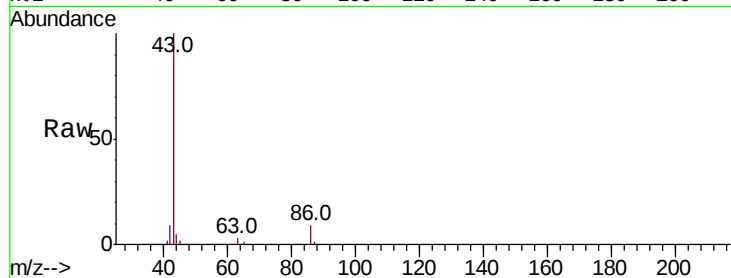
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 469935

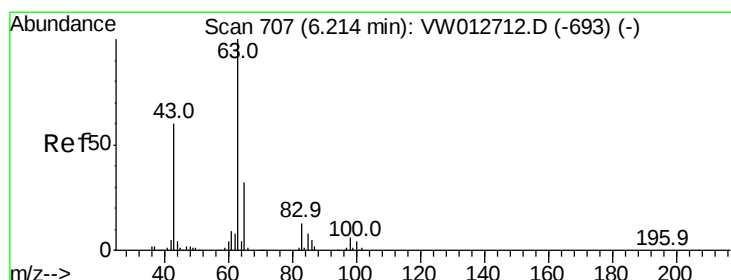
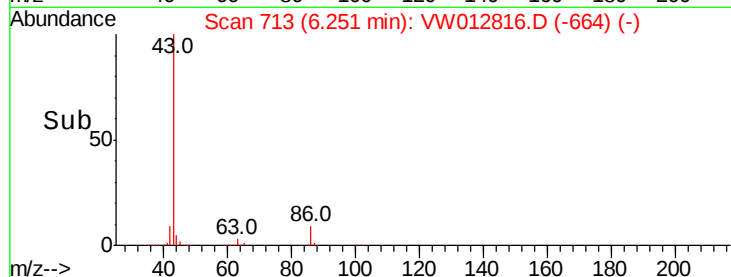
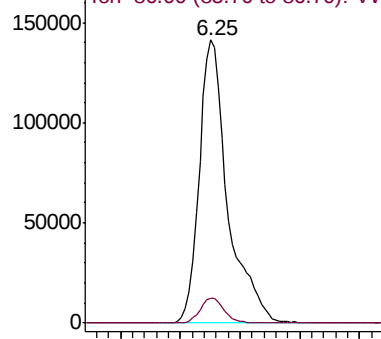
Ion Ratio Lower Upper

43 100

86 8.9 7.0 10.6



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 19.000 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

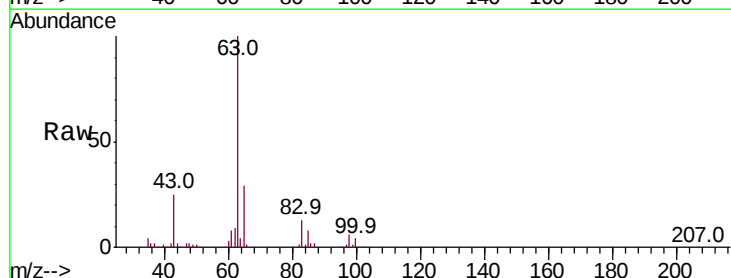
Tgt Ion: 63 Resp: 82598

Ion Ratio Lower Upper

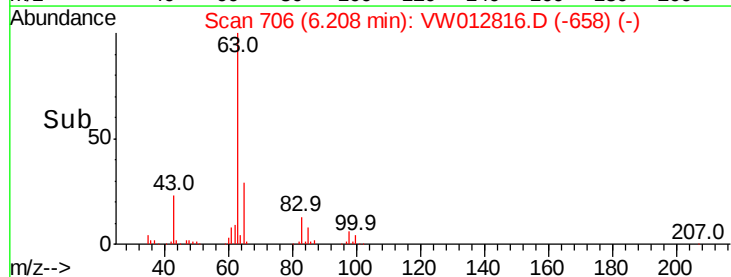
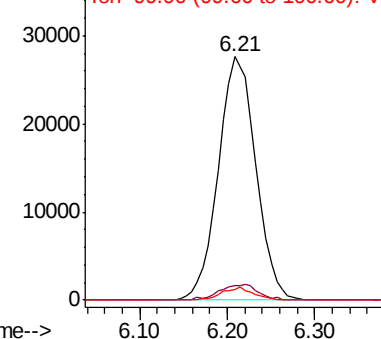
63 100

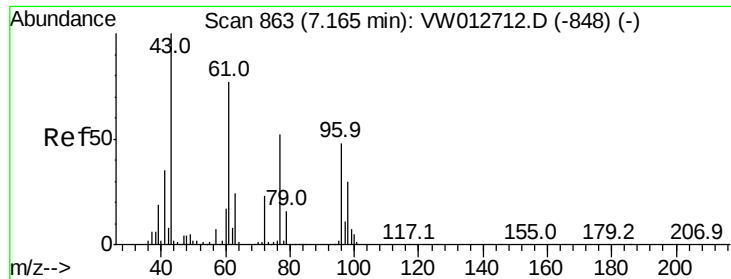
98 5.7 3.1 9.3

100 4.1 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VW
Ion 97.90 (97.60 to 98.60): VW
Ion 99.90 (99.60 to 100.60): VW

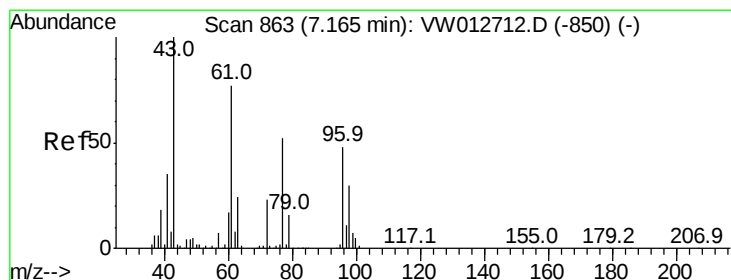
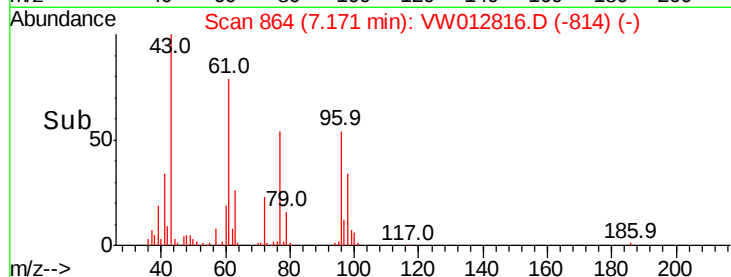
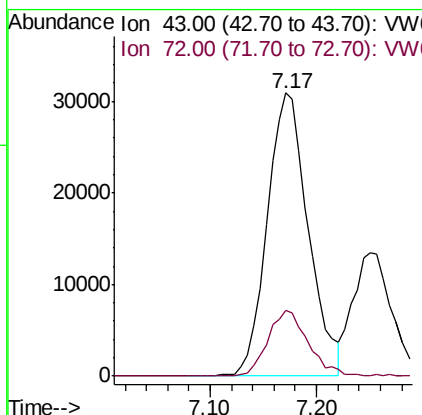
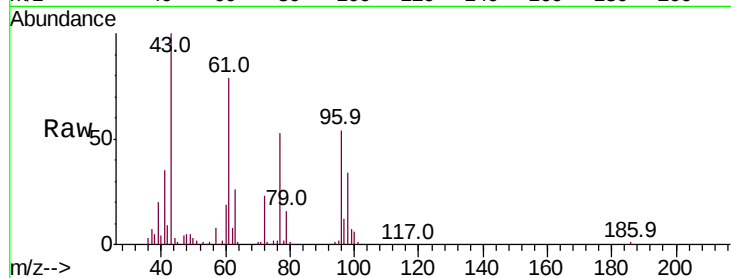




#25
2-Butanone
Concen: 90.988 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW012816.D
Acq: 09 Sep 2019 12:57

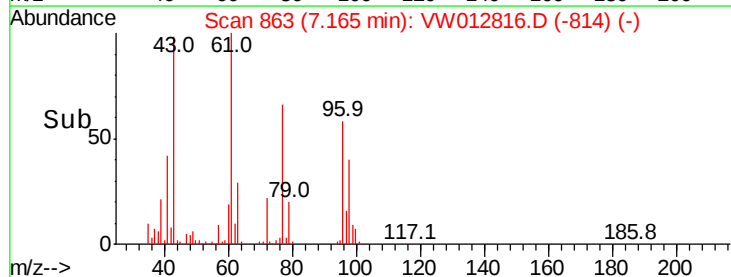
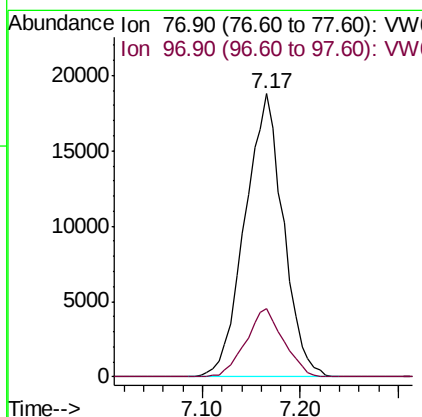
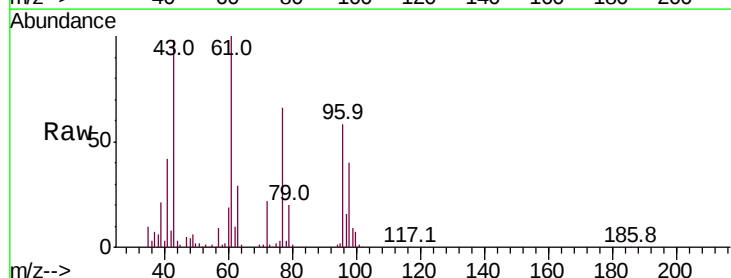
Instrument :
MSVOA_W
ClientSampled :

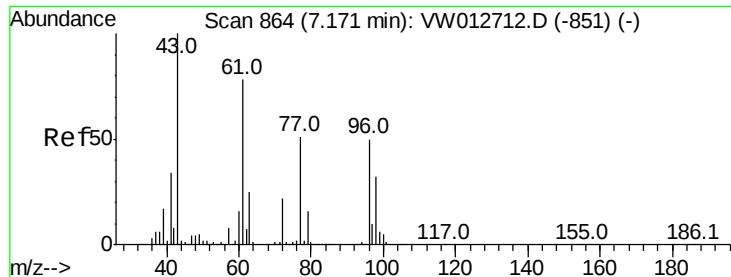
Tot Ion: 43 Resp: 82720
Ion Ratio Lower Upper
43 100
72 23.2 18.0 27.0



#26
2,2-Dichloropropane
Concen: 18.672 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW012816.D
Acq: 09 Sep 2019 12:57

Tgt Ion: 77 Resp: 51267
Ion Ratio Lower Upper
77 100
97 23.5 10.7 32.1



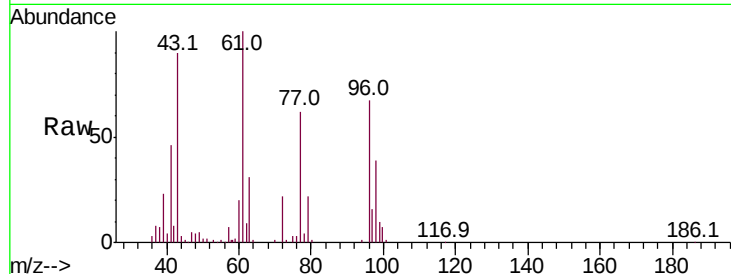


#27

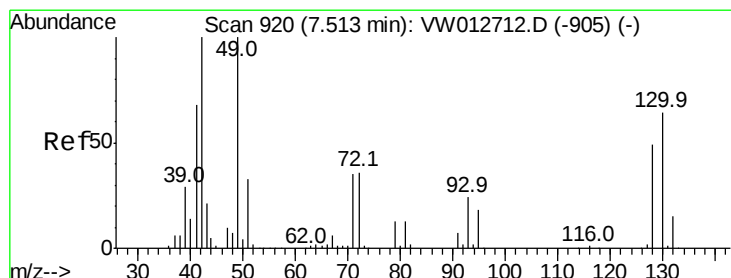
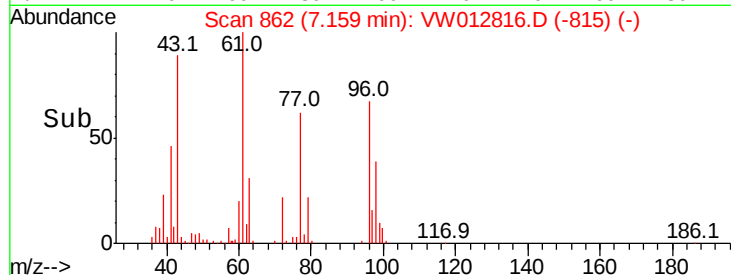
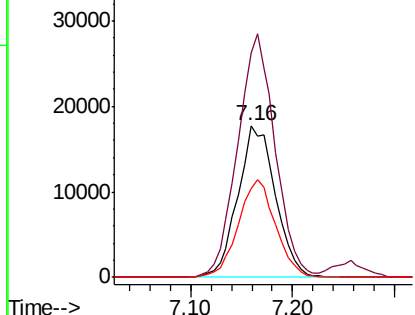
cis-1,2-Dichloroethene
Concen: 19.502 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW012816.D
Acq: 09 Sep 2019 12:57

Instrument :
MSVOA_W
ClientSampled :

Tot Ion	96	Resp	45404
Ion	Ratio	Lower	Upper
96	100		
61	159.9	0.0	325.8
98	63.8	0.0	127.0



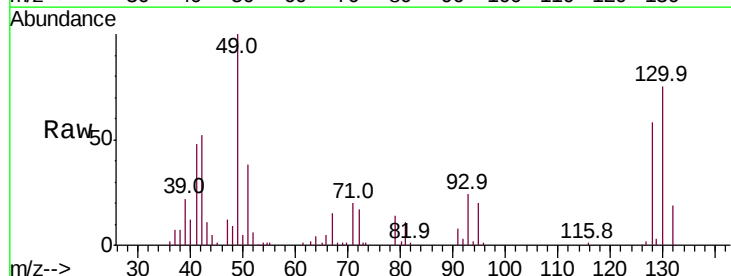
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



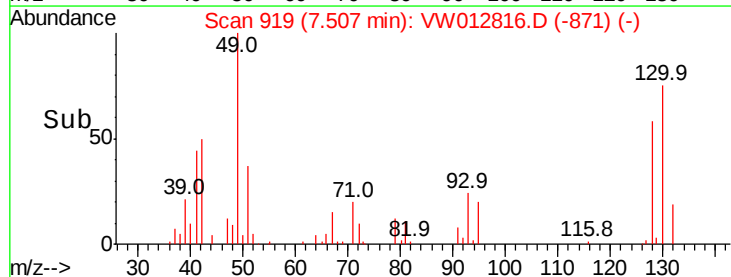
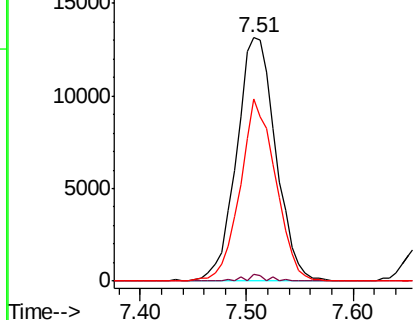
#28

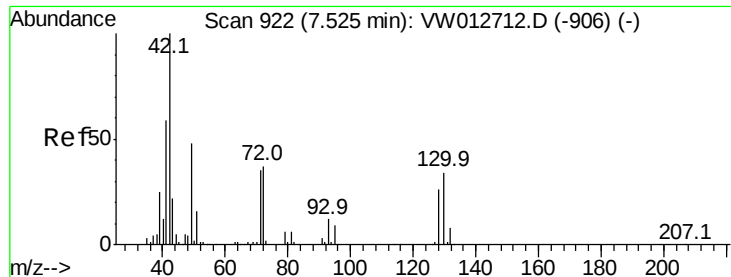
Bromochloromethane
Concen: 16.985 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW012816.D
Acq: 09 Sep 2019 12:57

Tgt Ion	49	Resp	33903
Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	0.8#
130	68.1	49.8	74.8



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

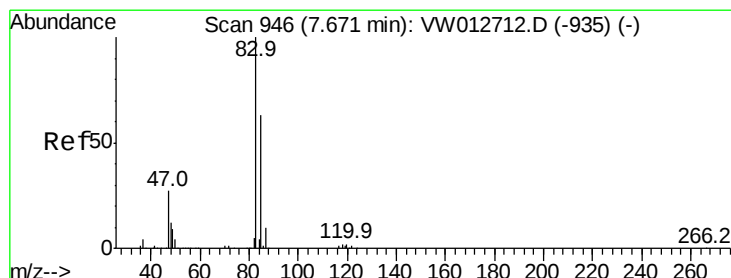
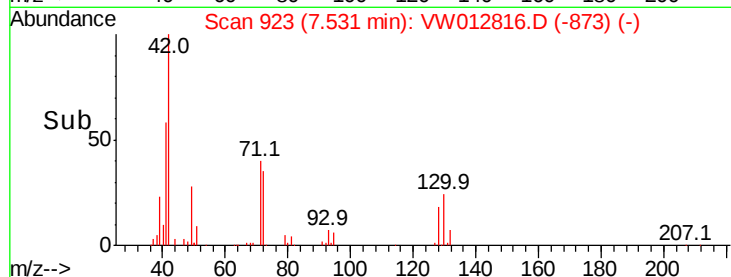
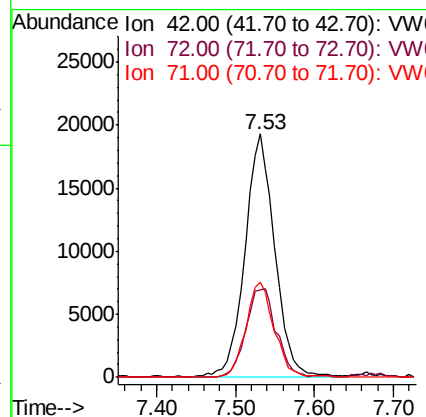
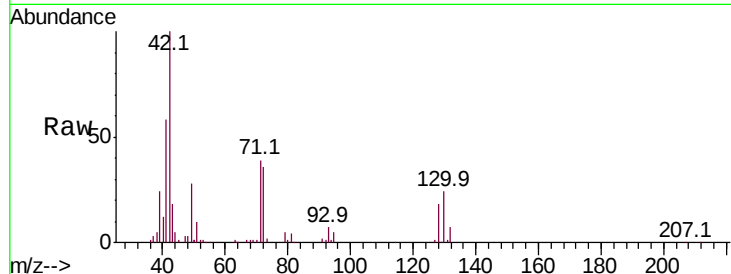




#29
Tetrahydrofuran
Concen: 86.118 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW012816.D
Acq: 09 Sep 2019 12:57

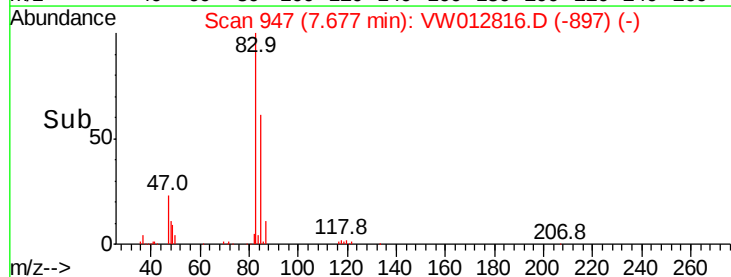
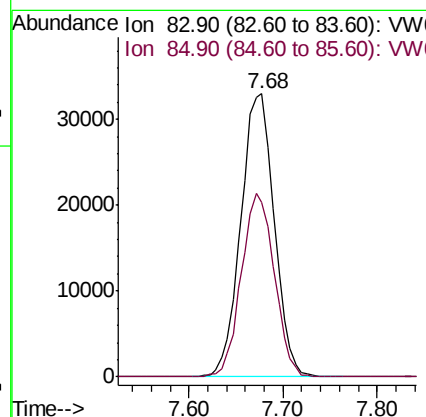
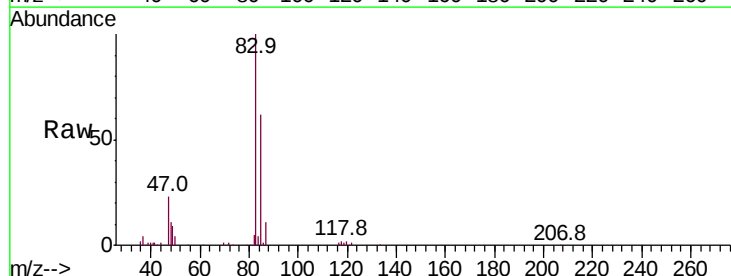
Instrument :
MSVOA_W
ClientSampled :

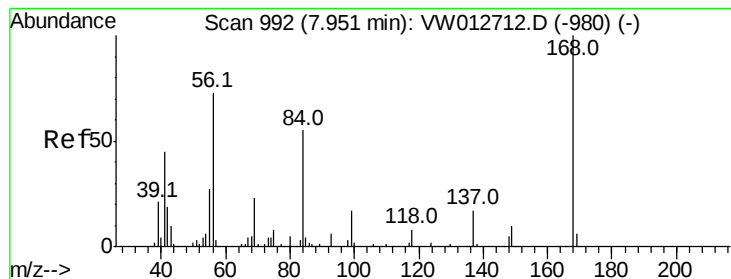
Tot Ion	Ratio	Lower	Upper
42	100		
72	37.6	28.4	42.6
71	36.7	27.1	40.7



#30
Chloroform
Concen: 18.870 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW012816.D
Acq: 09 Sep 2019 12:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.8	50.6	76.0





#31

Cyclohexane

Concen: 18.843 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

Instrument :
MSVOA_W
ClientSampled :

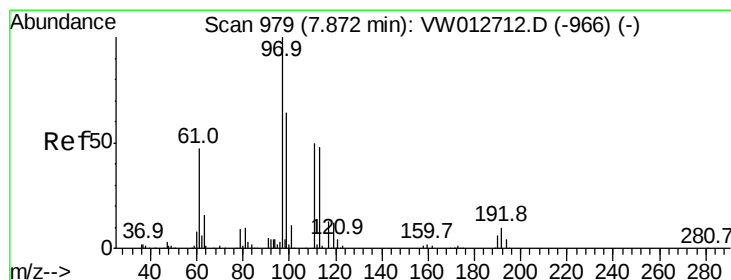
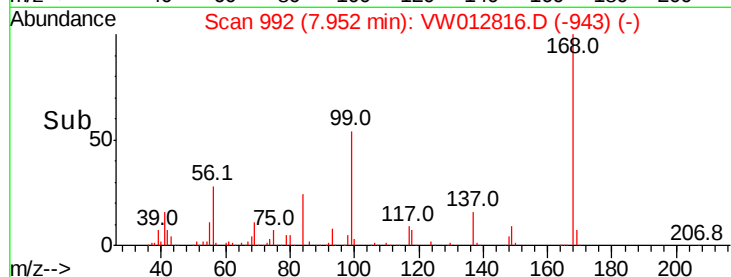
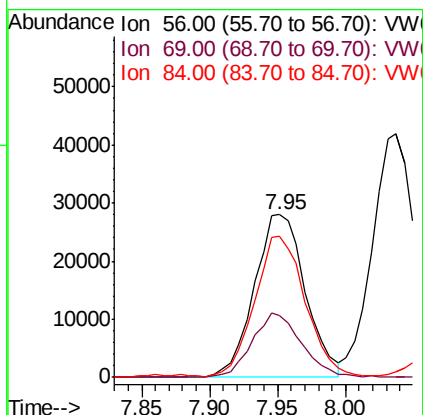
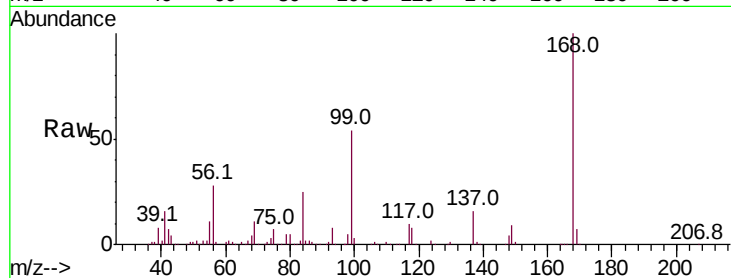
Tot Ion: 56 Resp: 73745

Ion Ratio Lower Upper

56 100

69 37.7 25.7 38.5

84 85.8 60.4 90.6



#32

1,1,1-Trichloroethane

Concen: 18.770 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

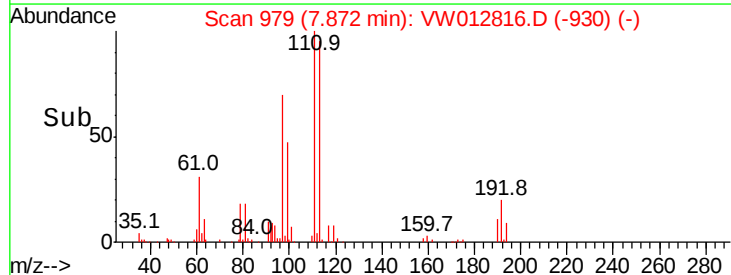
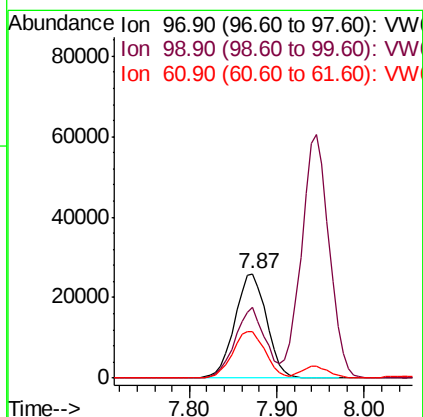
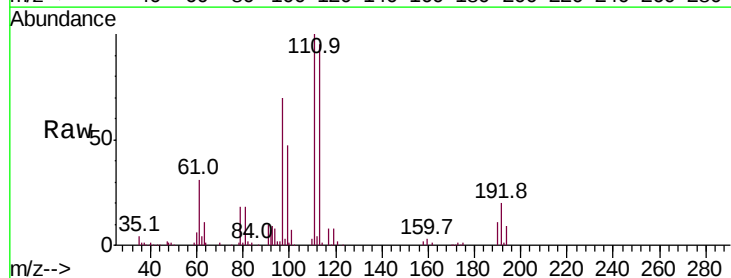
Tgt Ion: 97 Resp: 65550

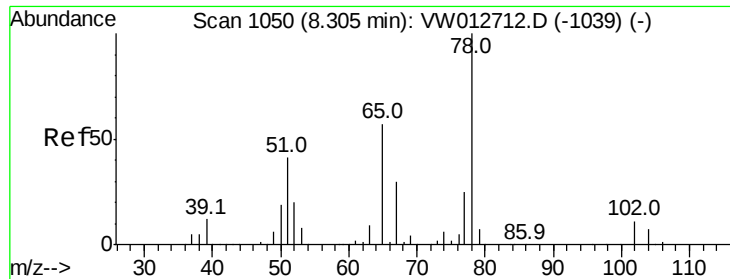
Ion Ratio Lower Upper

97 100

99 64.2 51.5 77.3

61 46.0 37.9 56.9

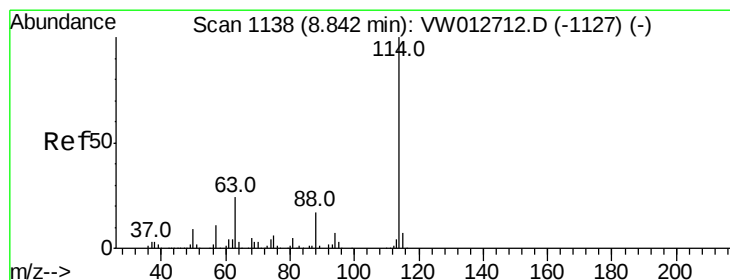
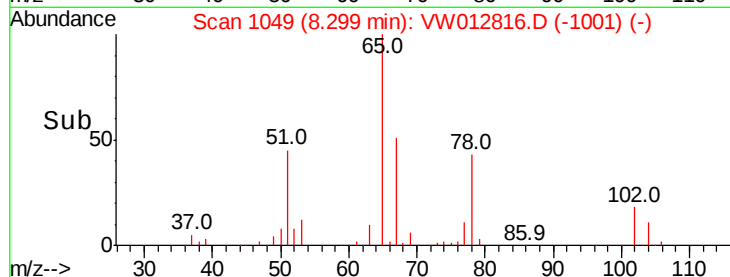
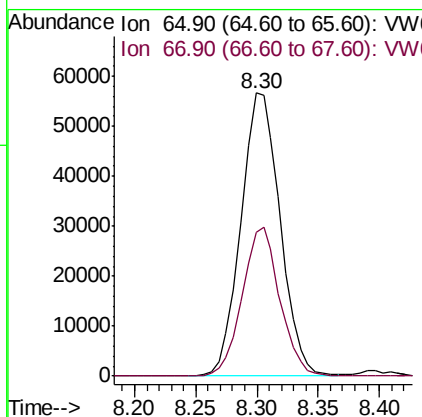
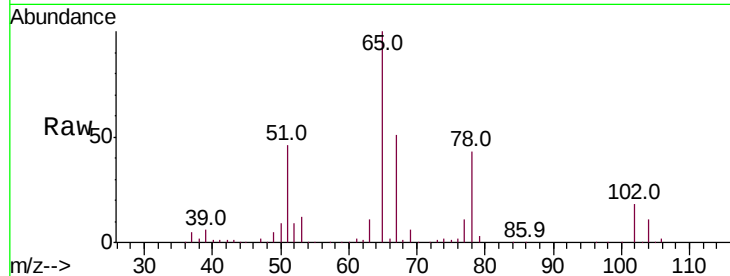




#33
 1,2-Dichloroethane-d4
 Concen: 47.427 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW012816.D
 Acq: 09 Sep 2019 12:57

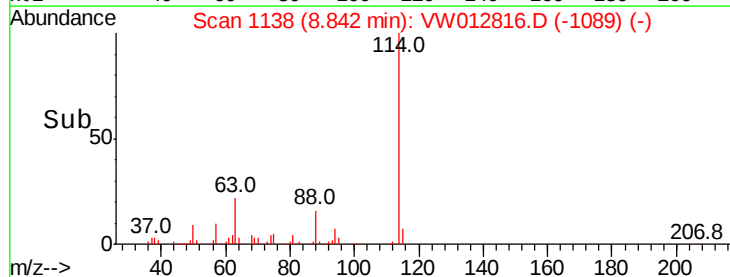
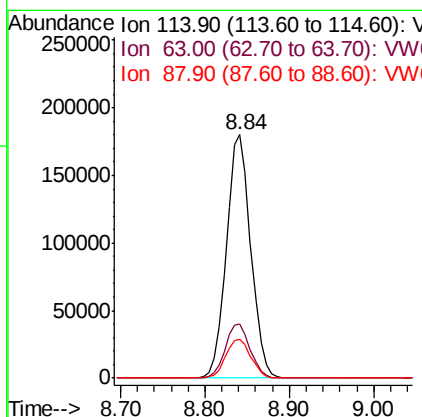
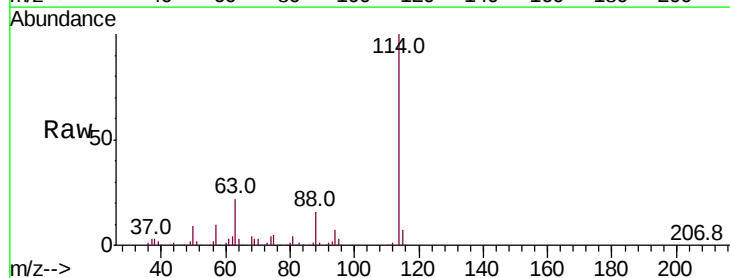
Instrument :
 MSVOA_W
 ClientSampled :

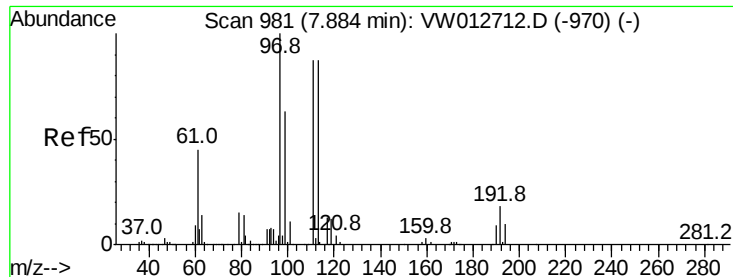
Tot Ion: 65 Resp: 126272
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012816.D
 Acq: 09 Sep 2019 12:57

Tgt Ion: 114 Resp: 353701
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 47.2
 88 15.9 0.0 34.0

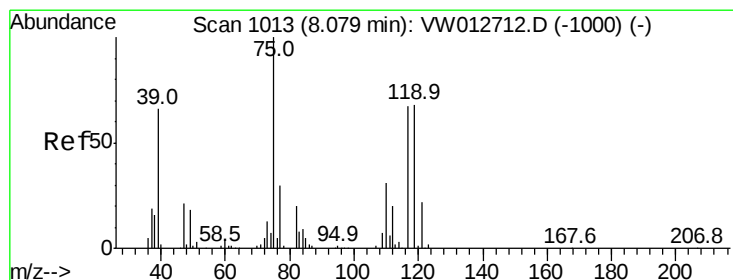
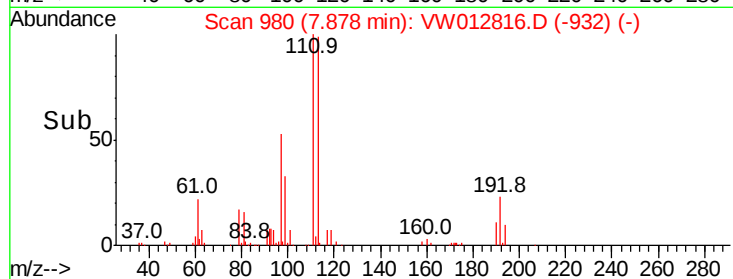
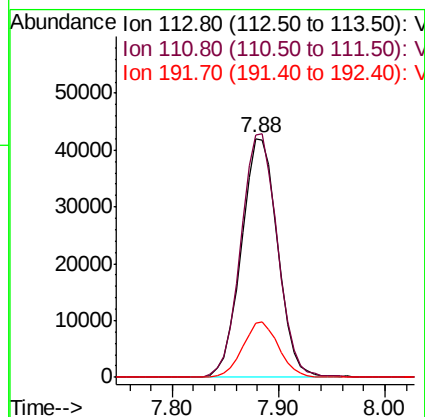
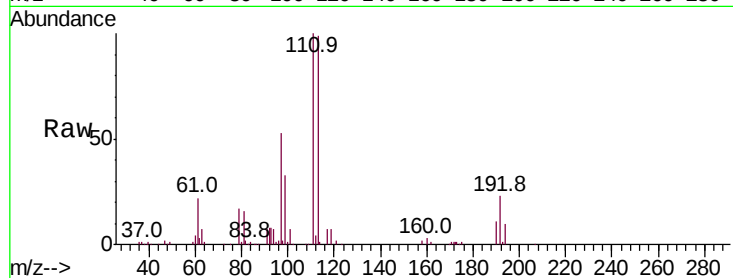




#35
 Dibromofluoromethane
 Concen: 47.846 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012816.D
 Acq: 09 Sep 2019 12:57

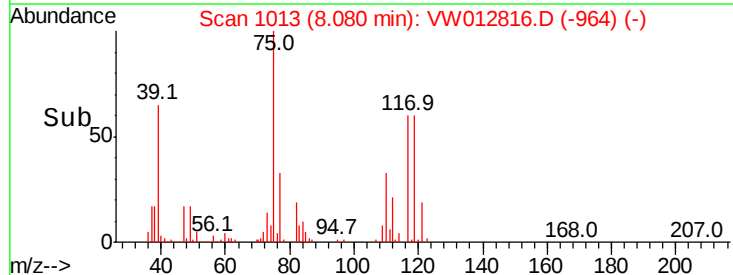
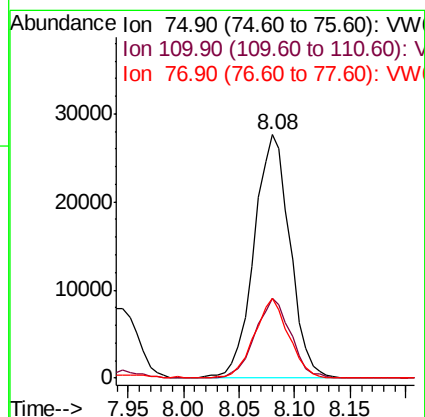
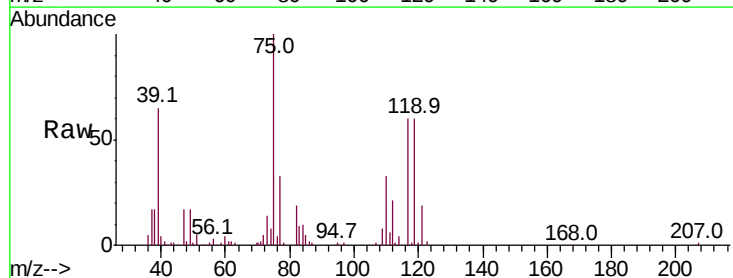
Instrument :
 MSVOA_W
 ClientSampleId :

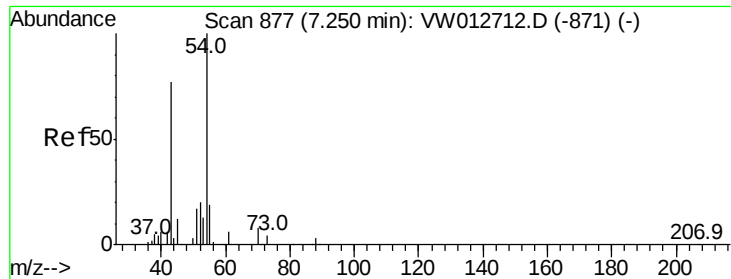
Tot Ion:113 Resp: 100613
 Ion Ratio Lower Upper
 113 100
 111 103.0 80.2 120.4
 192 22.8 17.3 25.9



#36
 1,1-Dichloropropene
 Concen: 19.793 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW012816.D
 Acq: 09 Sep 2019 12:57

Tgt Ion: 75 Resp: 62205
 Ion Ratio Lower Upper
 75 100
 110 32.6 15.9 47.7
 77 31.4 25.0 37.4

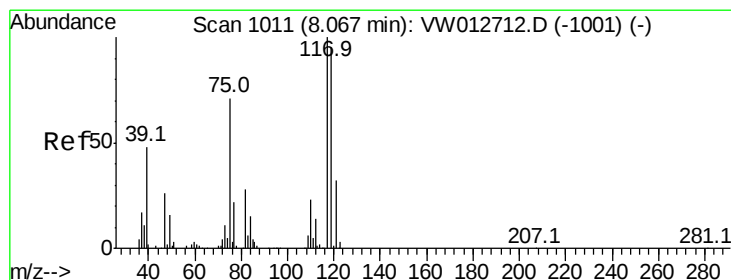
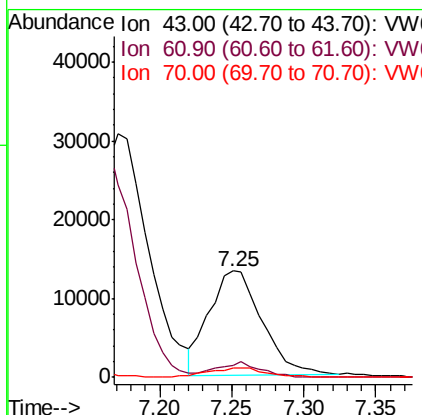
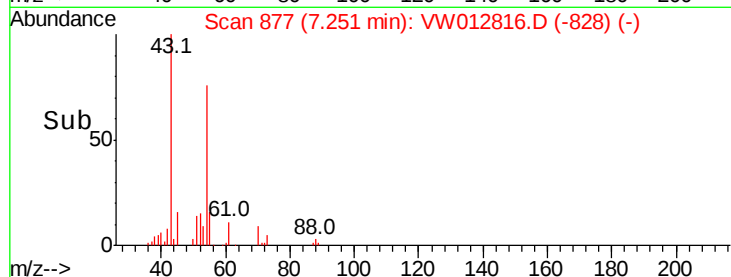
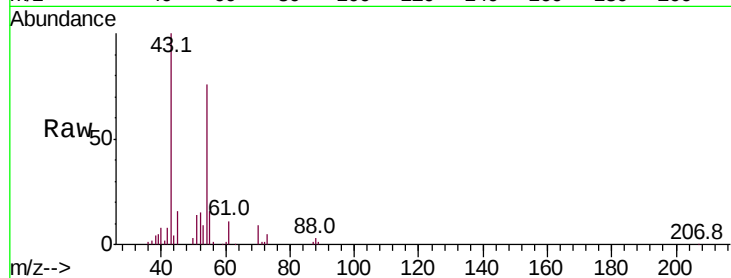




#37
Ethyl Acetate
Concen: 16.791 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW012816.D
Acq: 09 Sep 2019 12:57

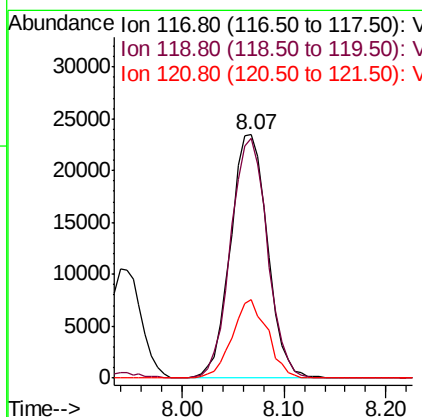
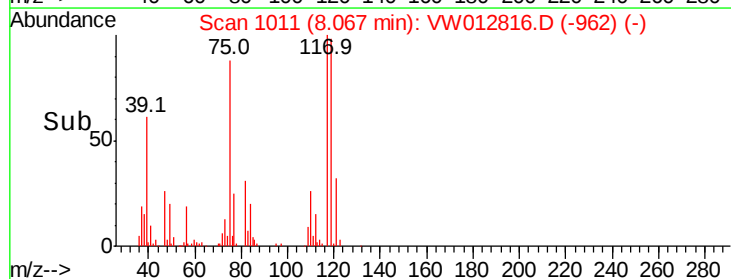
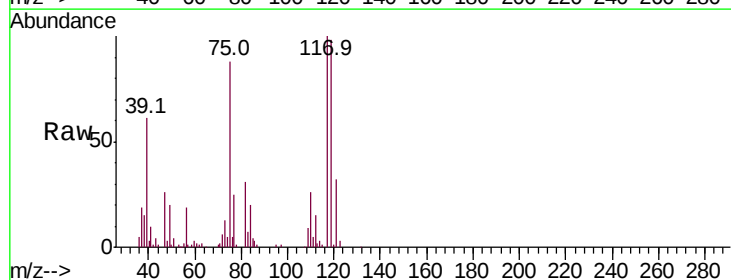
Instrument :
MSVOA_W
ClientSampled :

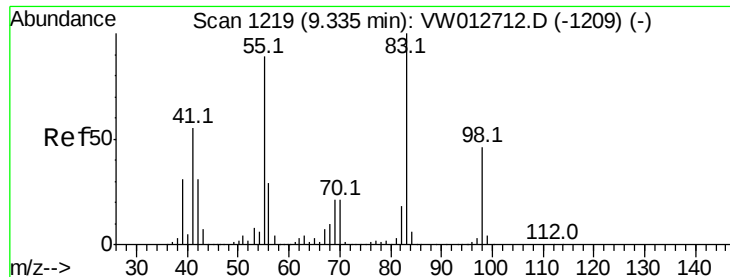
Tot Ion: 43 Resp: 33640
Ion Ratio Lower Upper
43 100
61 12.1 9.5 14.3
70 10.3 7.0 10.6



#38
Carbon Tetrachloride
Concen: 19.109 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW012816.D
Acq: 09 Sep 2019 12:57

Tgt Ion: 117 Resp: 59198
Ion Ratio Lower Upper
117 100
119 98.3 76.2 114.2
121 32.0 25.4 38.2

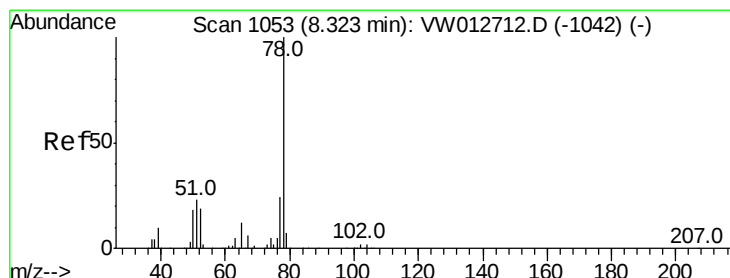
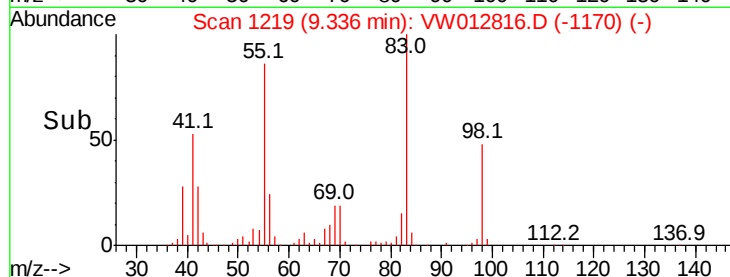
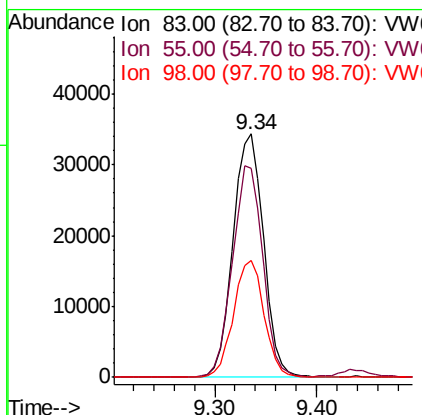
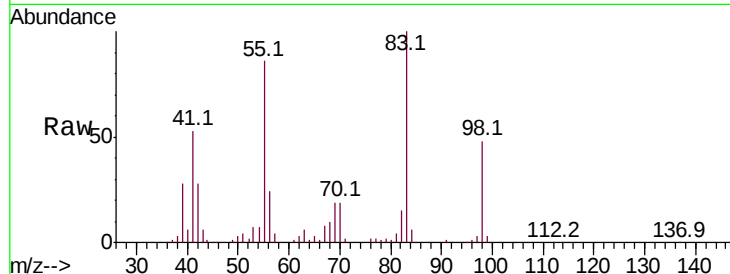




#39
Methvlcvclohexane
Concen: 20.180 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW012816.D
Acq: 09 Sep 2019 12:57

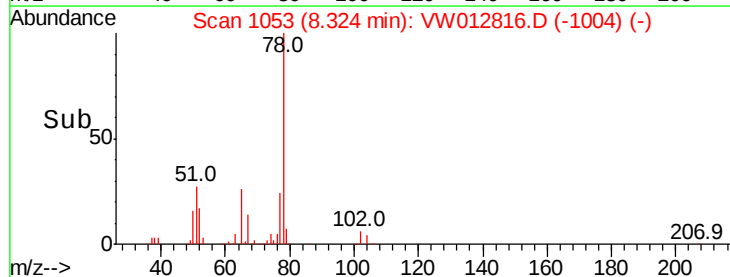
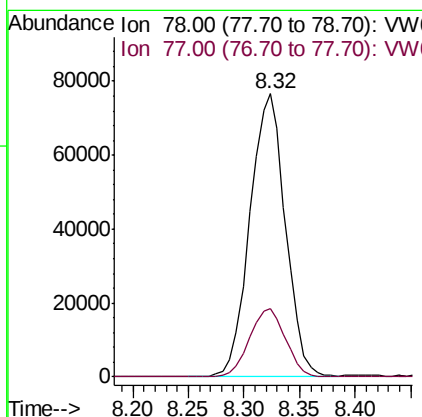
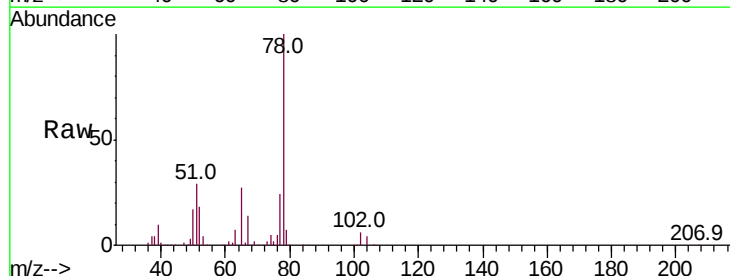
Instrument :
MSVOA_W
ClientSampled :

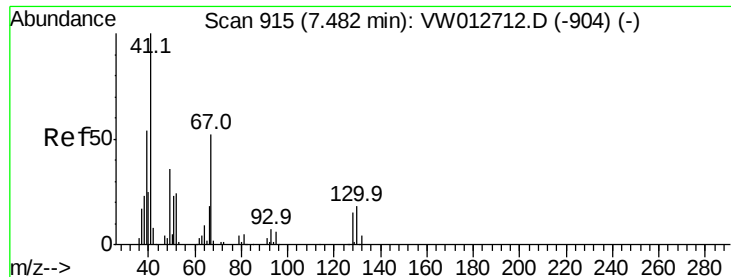
Tot Ion: 83 Resp: 71229
Ion Ratio Lower Upper
83 100
55 85.9 71.0 106.4
98 48.2 36.9 55.3



#40
Benzene
Concen: 19.513 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW012816.D
Acq: 09 Sep 2019 12:57

Tgt Ion: 78 Resp: 170144
Ion Ratio Lower Upper
78 100
77 23.9 19.3 28.9





#41

Methacrylonitrile

Concen: 17.856 ug/l

RT: 7.48 min Scan# 915

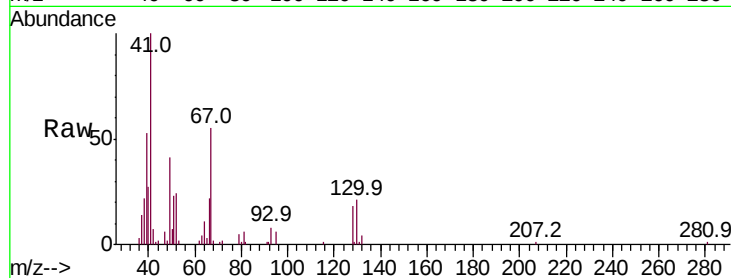
Delta R.T. 0.00 min

Lab File: VW012816.D

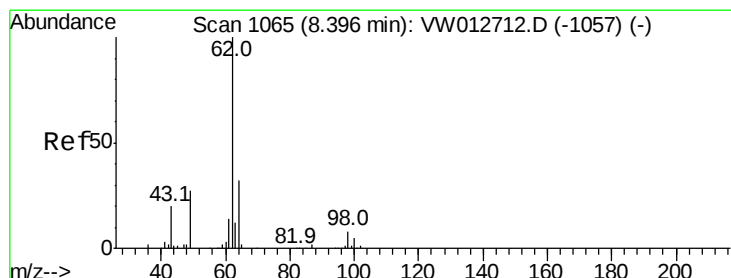
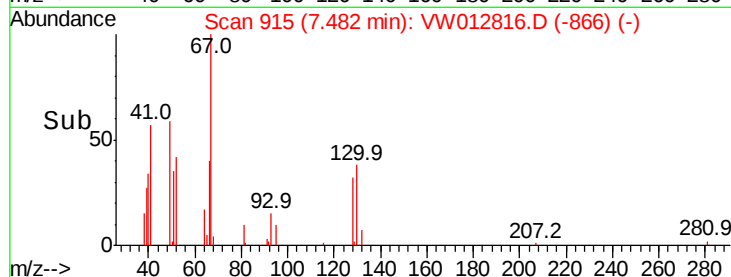
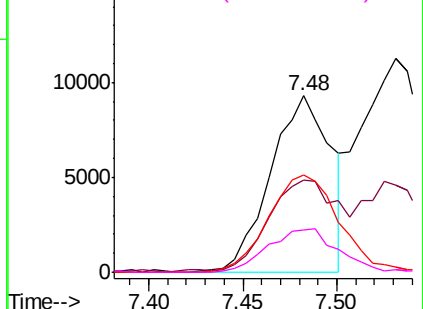
Acq: 09 Sep 2019 12:57

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	41	Resp:	20677
Ion	Ratio	Lower	Upper
41	100		
39	61.9	47.5	71.3
67	65.0	45.1	67.7
52	28.6	20.2	30.2



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



#42

1,2-Dichloroethane

Concen: 18.273 ug/l

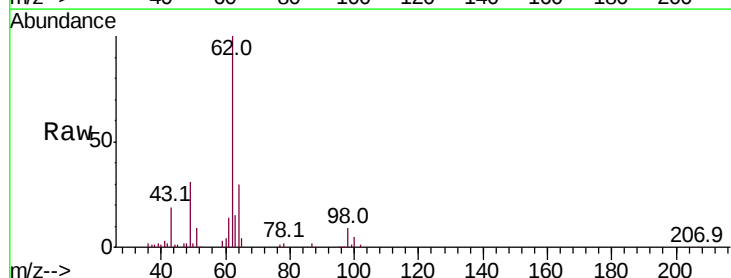
RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

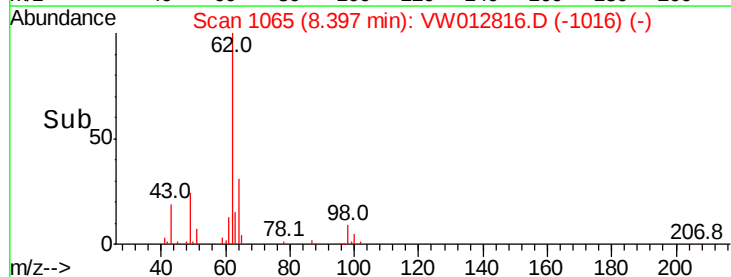
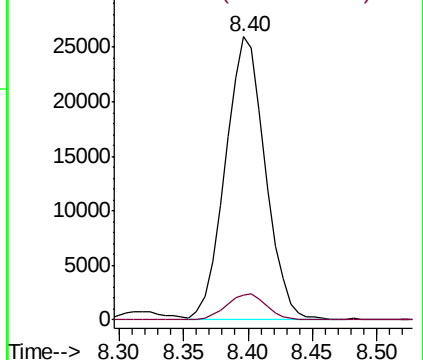
Lab File: VW012816.D

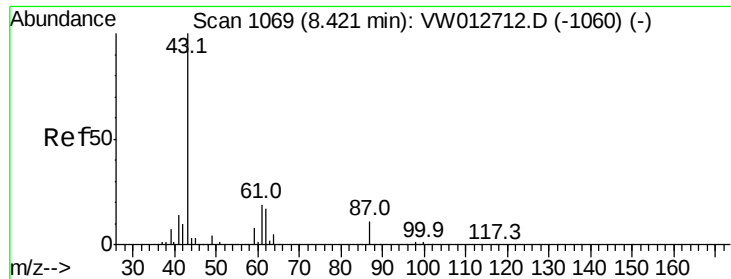
Acq: 09 Sep 2019 12:57

Tgt Ion:	62	Resp:	56074
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	16.2



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



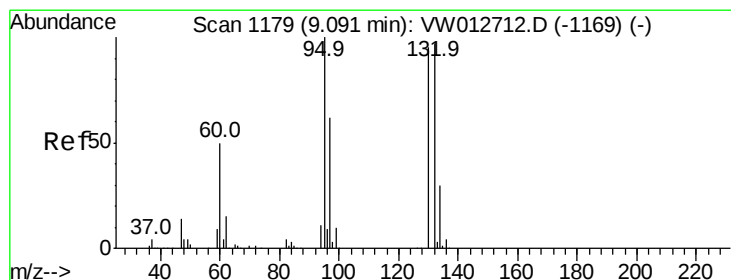
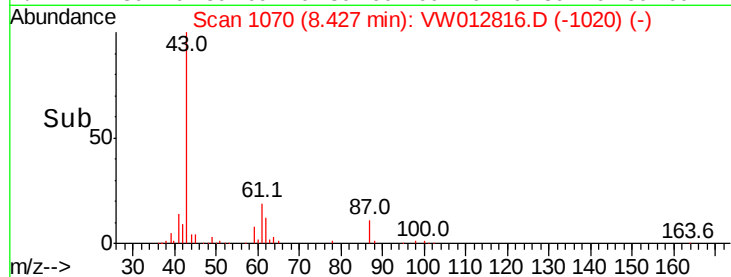
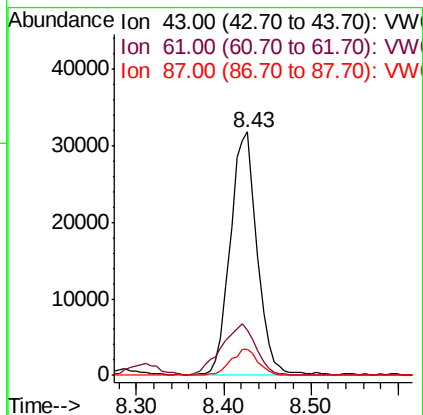
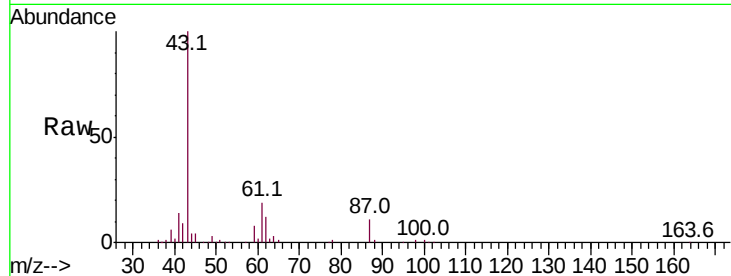


#43

Isopropyl Acetate
 Concen: 17.942 ug/l
 RT: 8.43 min Scan# 1070
 Delta R.T. 0.01 min
 Lab File: VW012816.D
 Acq: 09 Sep 2019 12:57

Instrument :
 MSVOA_W
 ClientSampleId :

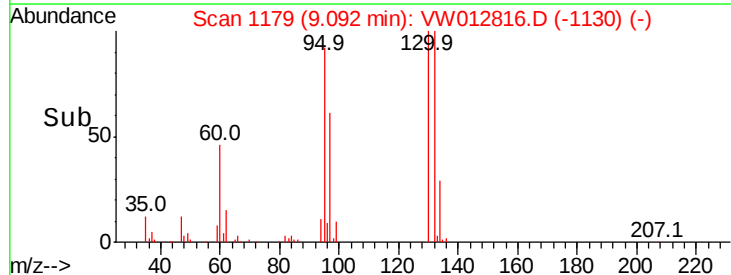
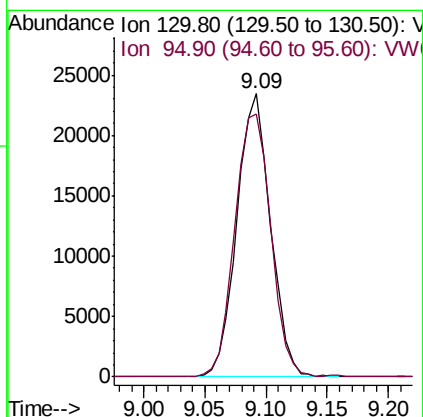
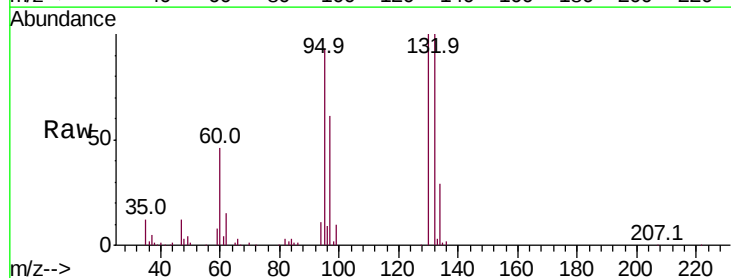
Tot Ion: 43 Resp: 68099
 Ion Ratio Lower Upper
 43 100
 61 27.2 20.6 30.8
 87 11.0 8.6 13.0

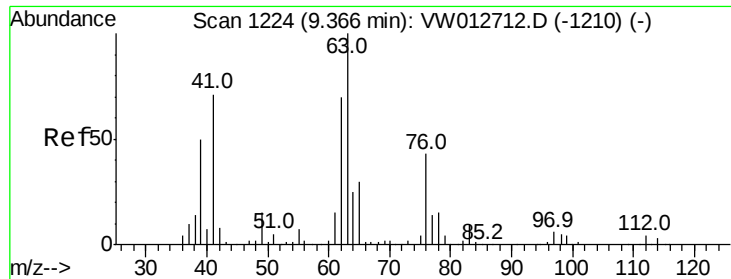


#44

Trichloroethene
 Concen: 19.894 ug/l
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW012816.D
 Acq: 09 Sep 2019 12:57

Tgt Ion: 130 Resp: 44715
 Ion Ratio Lower Upper
 130 100
 95 92.7 0.0 210.6





#45

1,2-Dichloropropane

Concen: 18.899 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

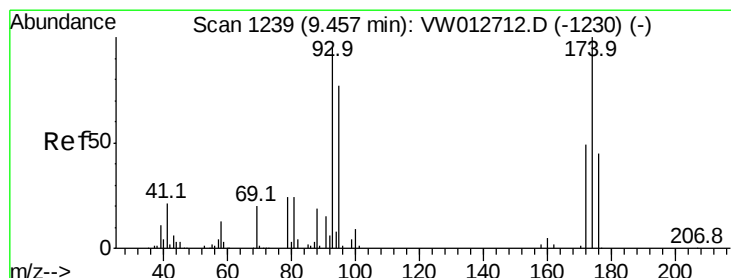
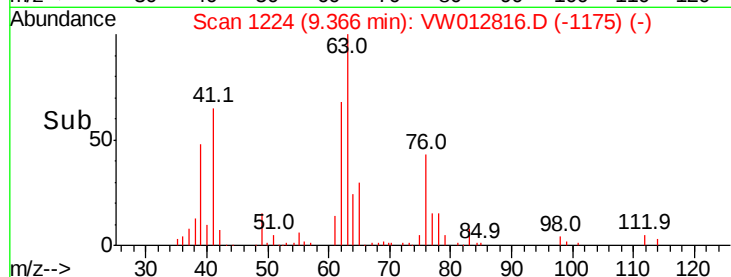
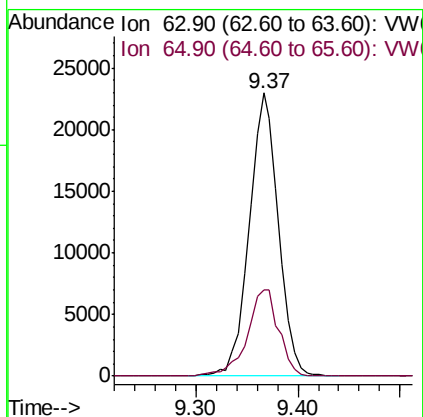
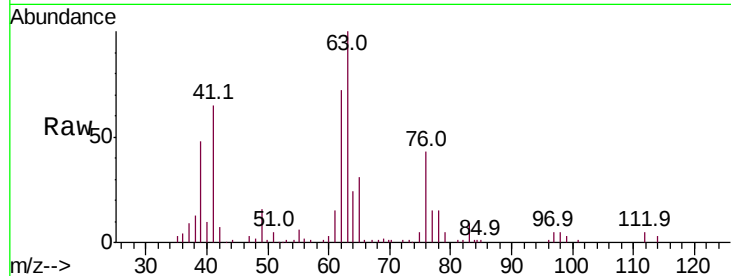
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 63 Resp: 45705

Ion Ratio Lower Upper

63 100

65 30.7 23.8 35.8



#46

Dibromomethane

Concen: 18.799 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

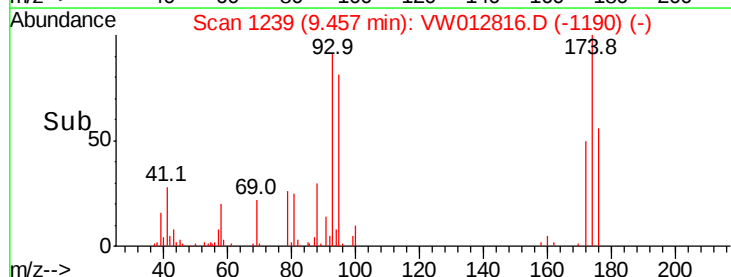
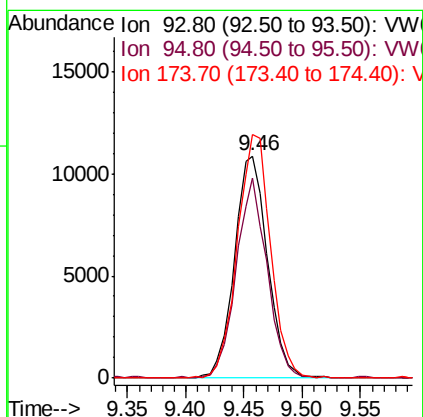
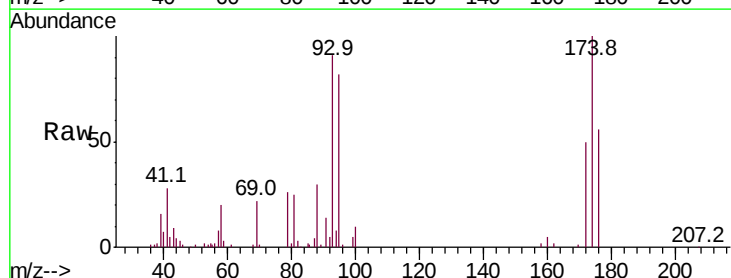
Tgt Ion: 93 Resp: 21529

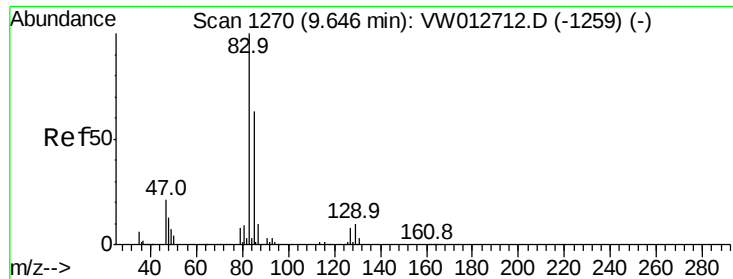
Ion Ratio Lower Upper

93 100

95 84.0 65.2 97.8

174 110.0 84.2 126.4





#47

Bromodichloromethane

Concen: 18.487 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

Instrument :
MSVOA_W
ClientSampleId :

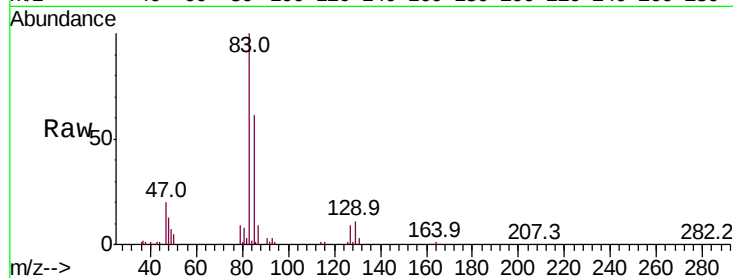
Tot Ion: 83 Resp: 58246

Ion Ratio Lower Upper

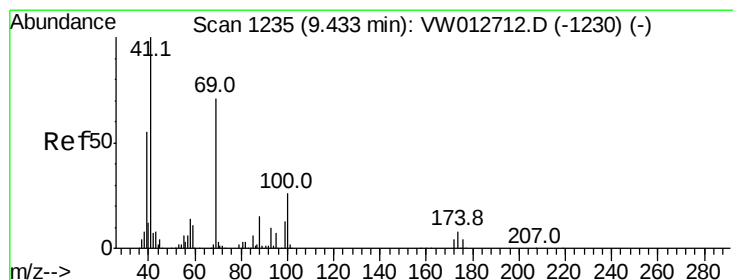
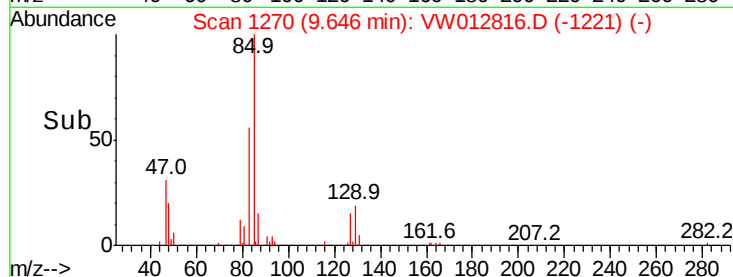
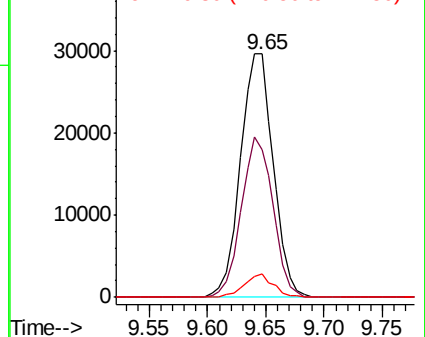
83 100

85 60.8 50.2 75.2

127 9.4 6.6 9.8



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



#48

Methyl methacrylate

Concen: 17.098 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

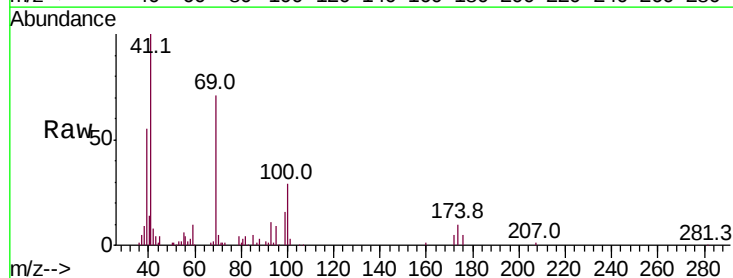
Tgt Ion: 41 Resp: 31014

Ion Ratio Lower Upper

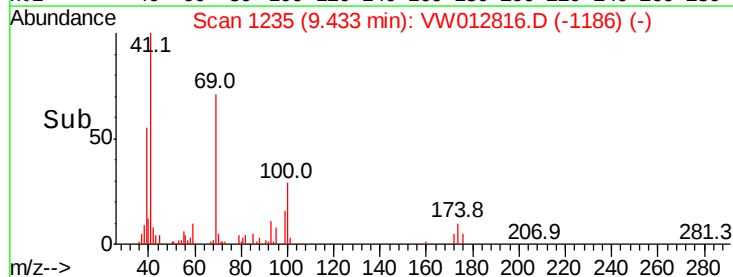
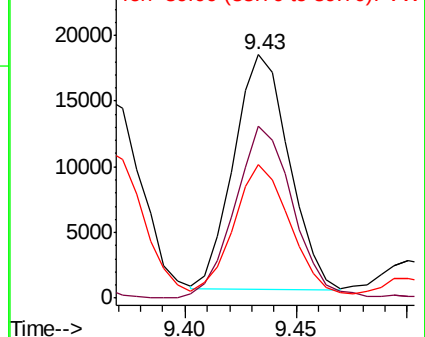
41 100

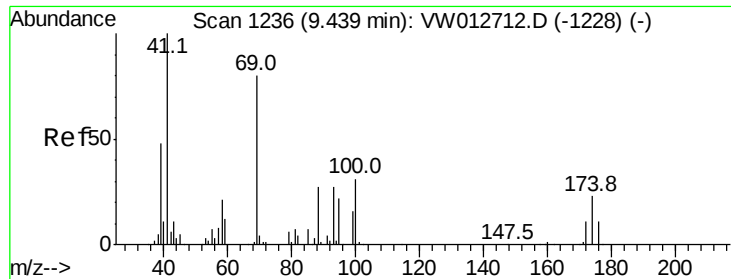
69 77.2 59.8 89.8

39 59.4 47.0 70.6



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW

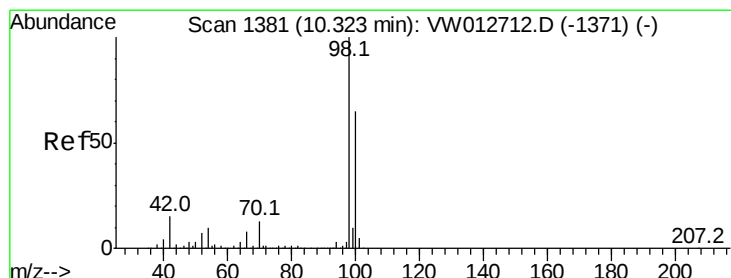
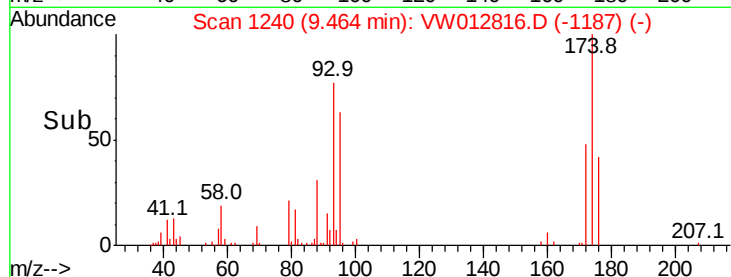
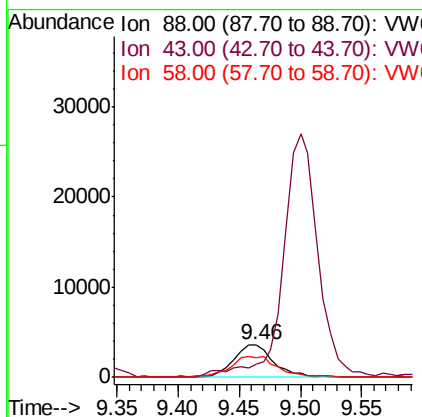
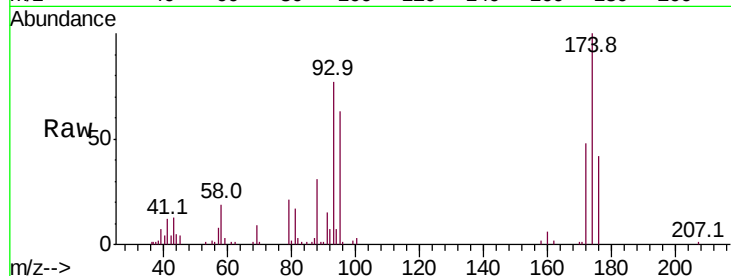




#49
1,4-Dioxane
Concen: 360.461 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. 0.02 min
Lab File: VW012816.D
Acq: 09 Sep 2019 12:57

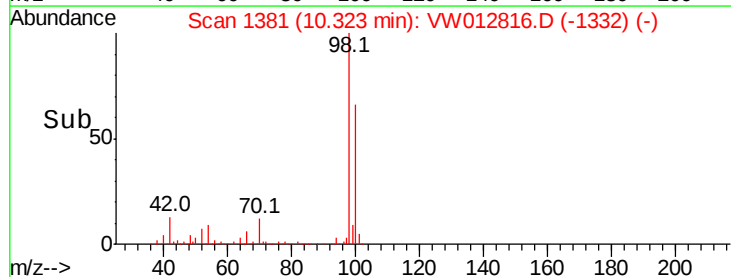
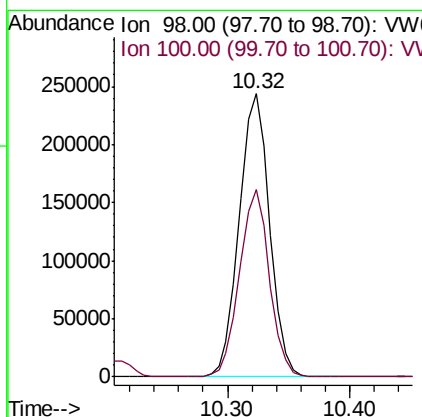
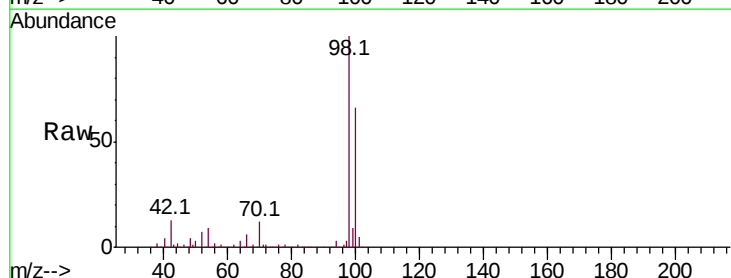
Instrument :
MSVOA_W
ClientSampled :

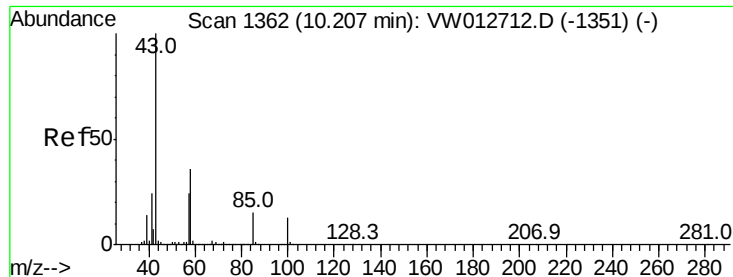
Tot Ion: 88 Resp: 8154
Ion Ratio Lower Upper
88 100
43 0.0 34.8 52.2#
58 75.8 64.1 96.1



#50
Toluene-d8
Concen: 50.969 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012816.D
Acq: 09 Sep 2019 12:57

Tgt Ion: 98 Resp: 419910
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.4





#51

4-Methyl-2-Pentanone

Concen: 88.612 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

Instrument :

MSVOA_W

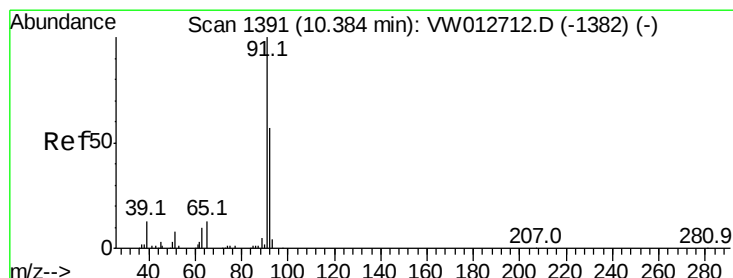
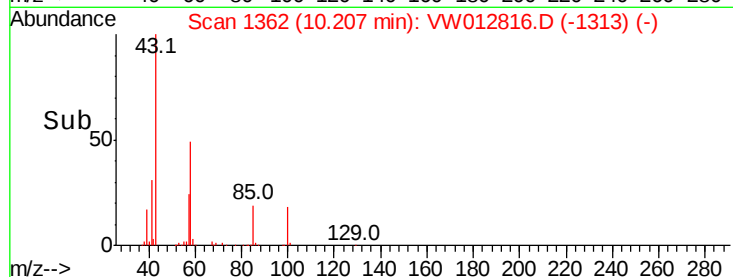
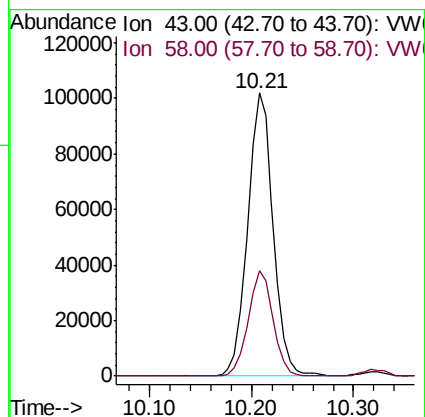
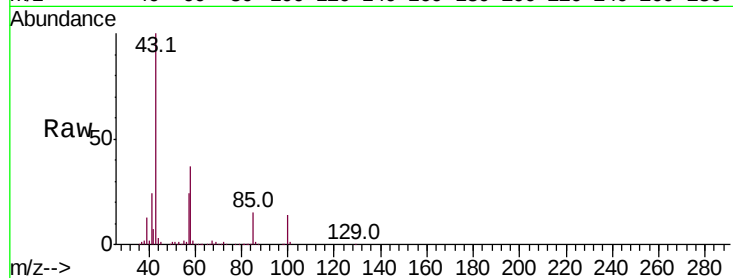
ClientSampled :

Tot Ion: 43 Resp: 176484

Ion Ratio Lower Upper

43 100

58 36.5 28.4 42.6



#52

Toluene

Concen: 19.753 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW012816.D

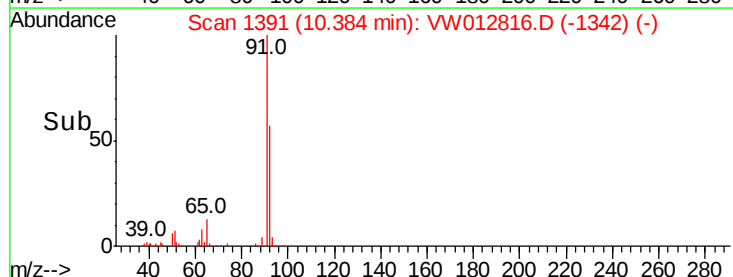
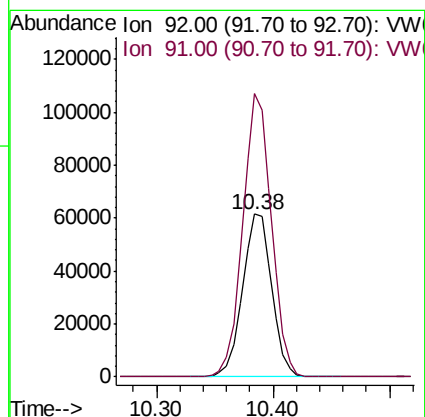
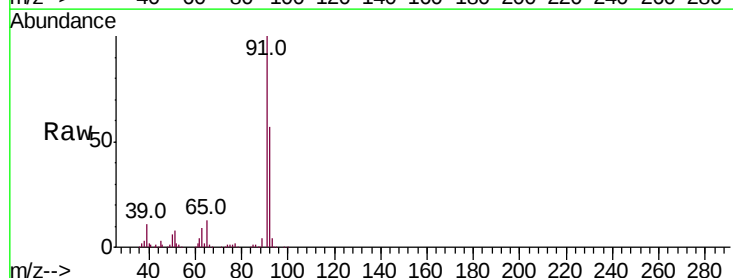
Acq: 09 Sep 2019 12:57

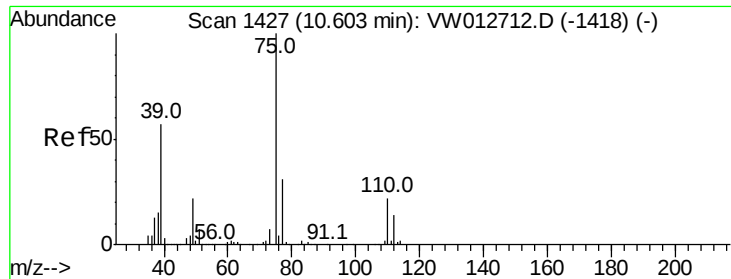
Tgt Ion: 92 Resp: 107501

Ion Ratio Lower Upper

92 100

91 171.2 137.0 205.4





#53

t-1,3-Dichloropropene

Concen: 18.367 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

Instrument :

MSVOA_W

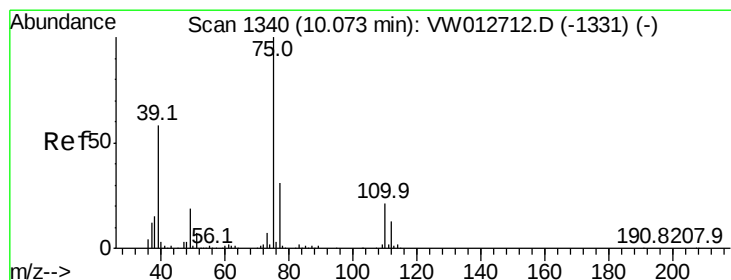
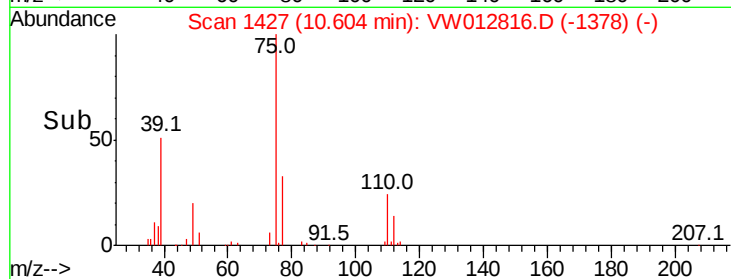
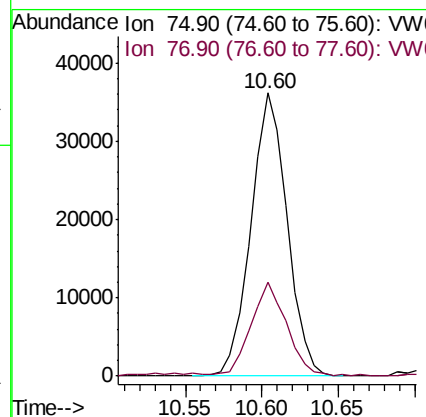
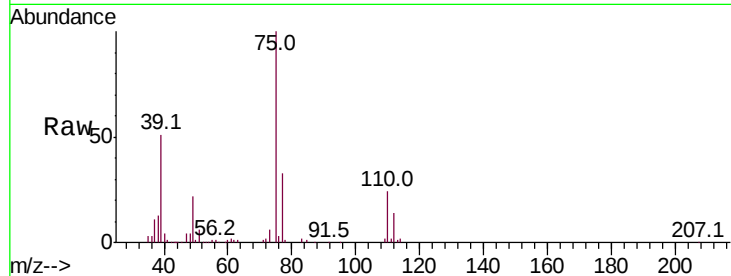
ClientSampled :

Tot Ion: 75 Resp: 59506

Ion Ratio Lower Upper

75 100

77 32.5 24.7 37.1



#54

cis-1,3-Dichloropropene

Concen: 18.726 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

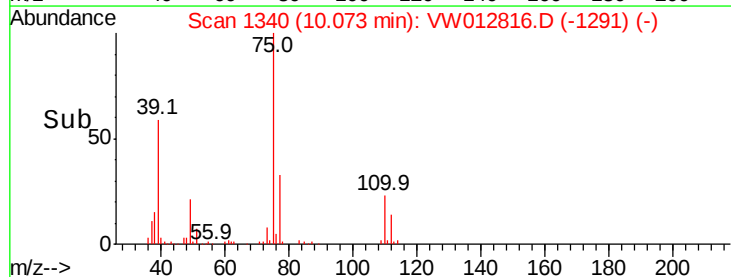
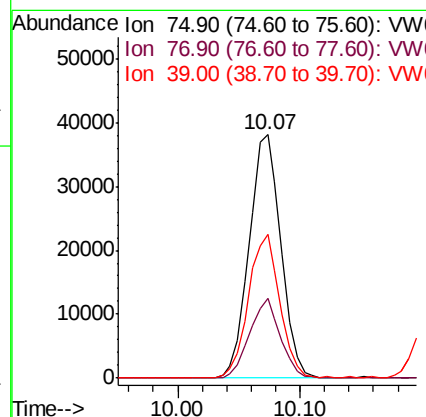
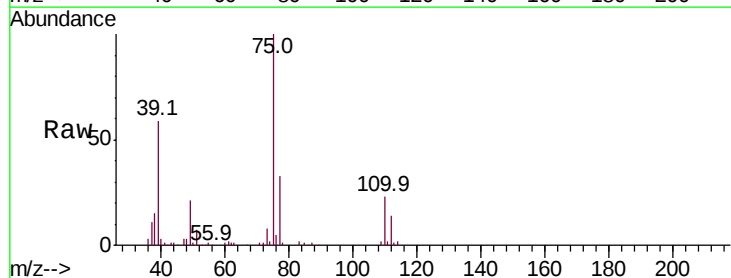
Tgt Ion: 75 Resp: 68824

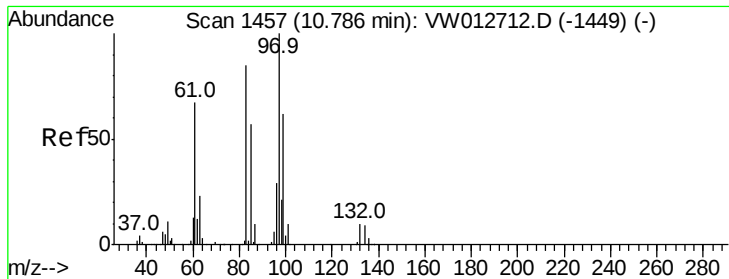
Ion Ratio Lower Upper

75 100

77 32.8 24.6 36.8

39 58.8 46.3 69.5

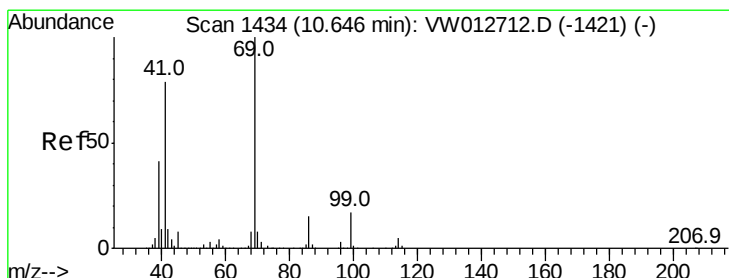
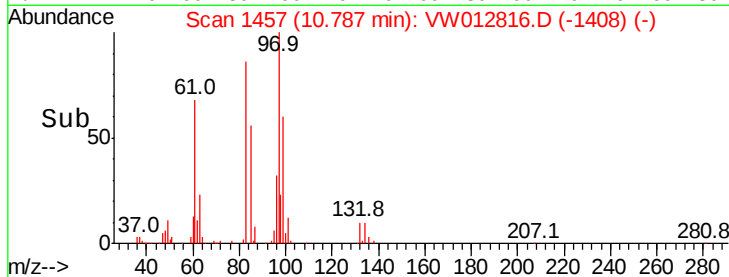
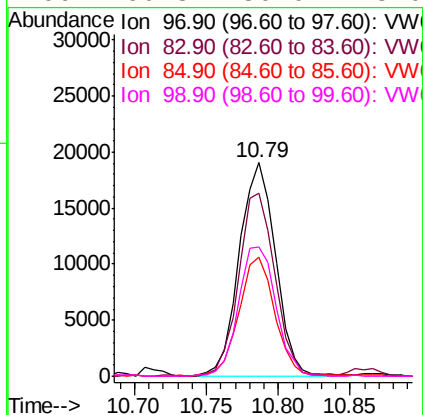
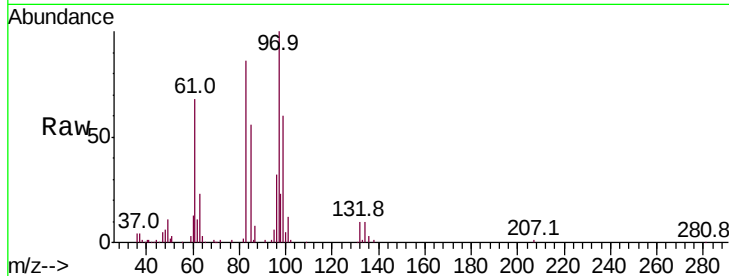




#55
 1,1,2-Trichloroethane
 Concen: 19.393 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW012816.D
 Acq: 09 Sep 2019 12:57

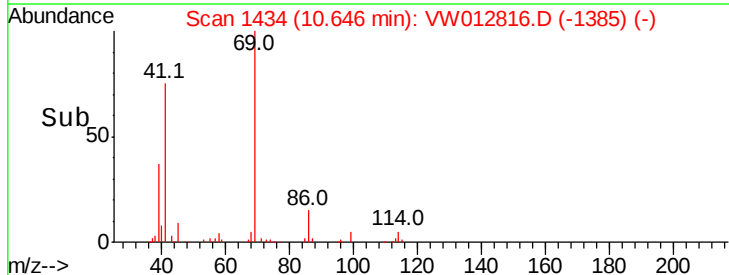
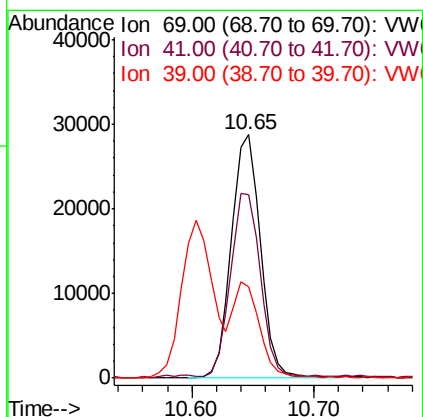
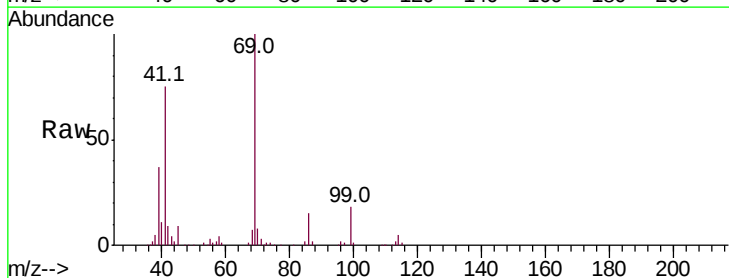
Instrument :
 MSVOA_W
 ClientSampleId :

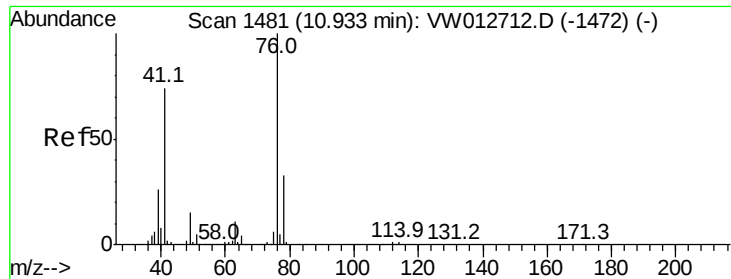
Tot Ion:	97	Resp:	33249
Ion	Ratio	Lower	Upper
97	100		
83	85.7	68.1	102.1
85	56.0	45.3	67.9
99	60.3	50.0	75.0



#56
 Ethyl methacrylate
 Concen: 18.876 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW012816.D
 Acq: 09 Sep 2019 12:57

Tgt Ion:	69	Resp:	47372
Ion	Ratio	Lower	Upper
69	100		
41	77.0	64.4	96.6
39	36.6	31.1	46.7

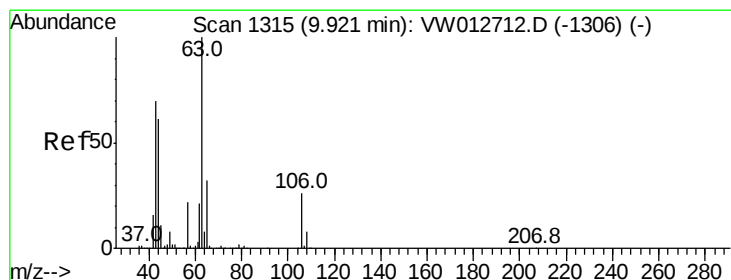
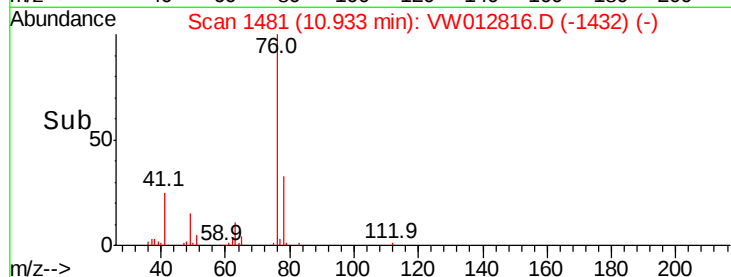
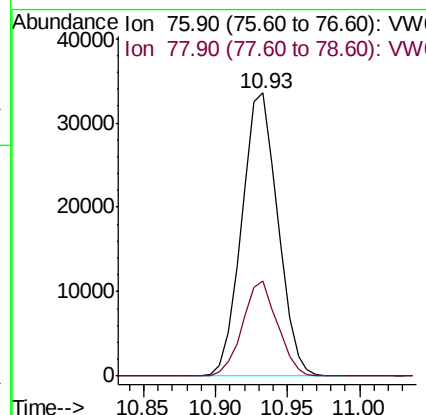
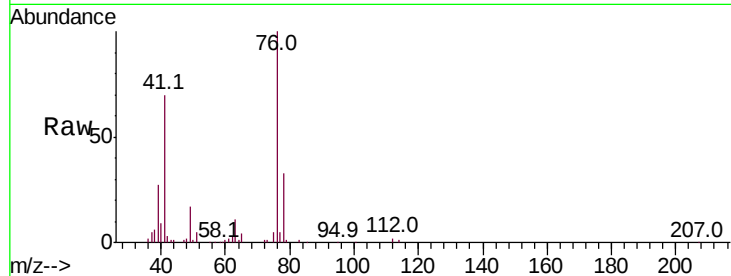




#57
 1,3-Dichloropropane
 Concen: 18.381 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW012816.D
 Acq: 09 Sep 2019 12:57

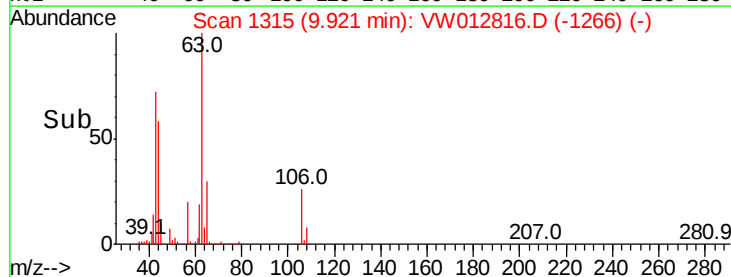
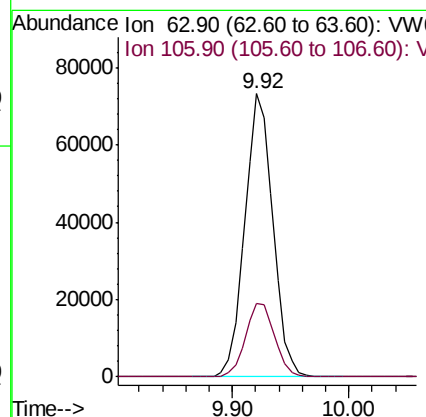
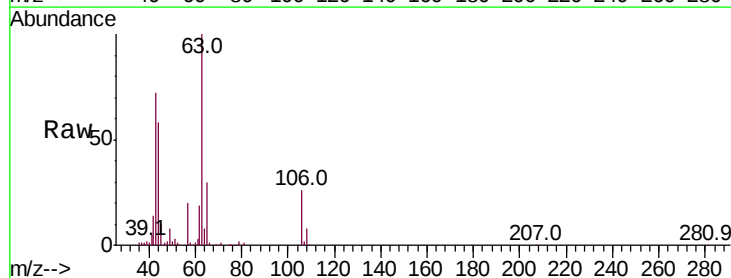
Instrument :
 MSVOA_W
 ClientSampleId :

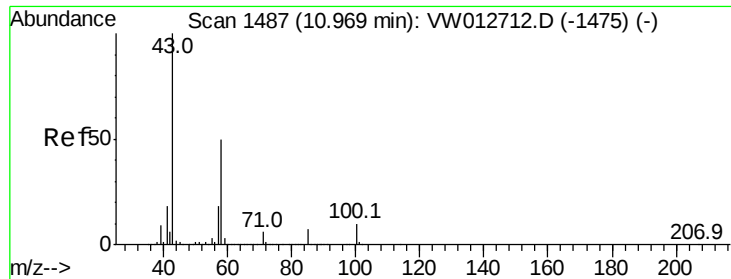
Tot Ion: 76 Resp: 58302
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.551 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW012816.D
 Acq: 09 Sep 2019 12:57

Tgt Ion: 63 Resp: 123310
 Ion Ratio Lower Upper
 63 100
 106 27.1 20.5 30.7





#59

2-Hexanone

Concen: 84.271 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

Instrument :

MSVOA_W

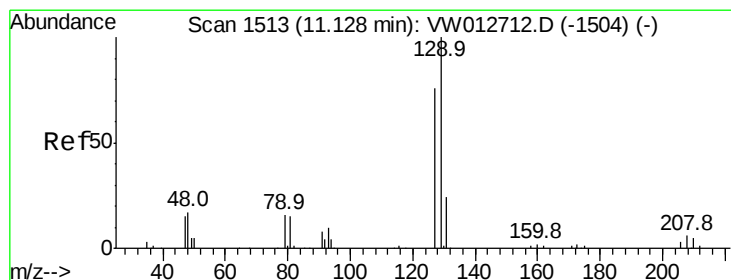
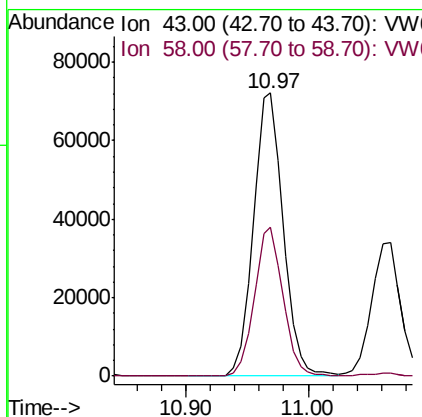
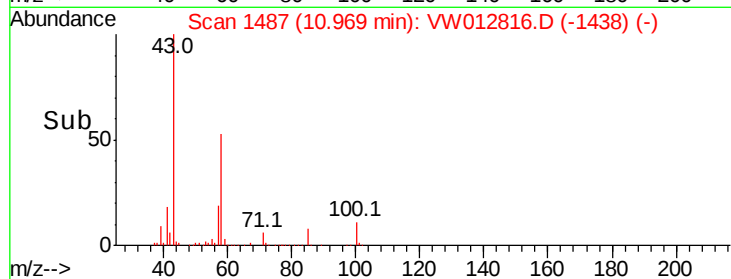
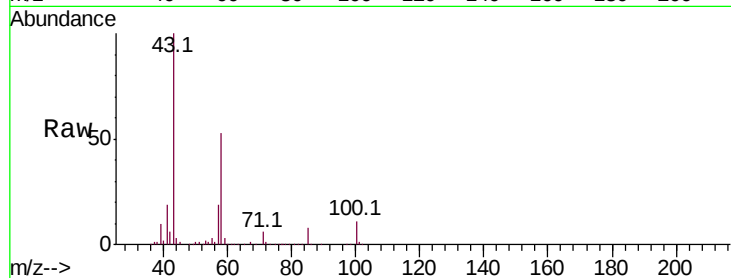
ClientSampled :

Tot Ion: 43 Resp: 122619

Ion Ratio Lower Upper

43 100

58 50.4 24.7 74.1



#60

Dibromochloromethane

Concen: 18.213 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW012816.D

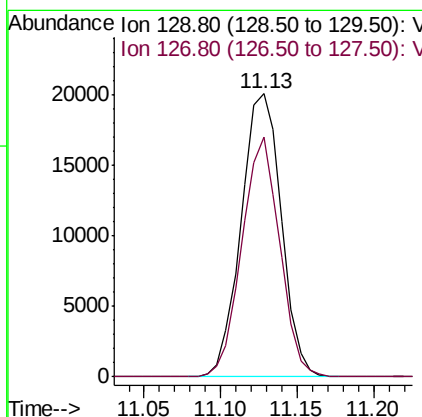
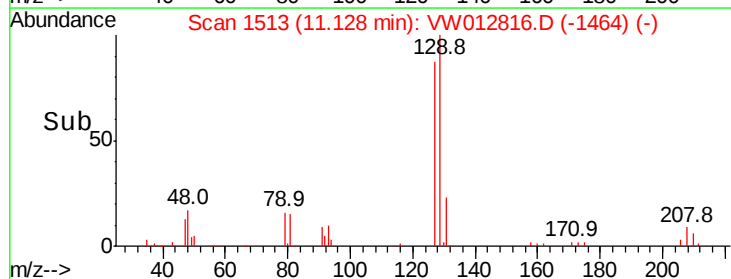
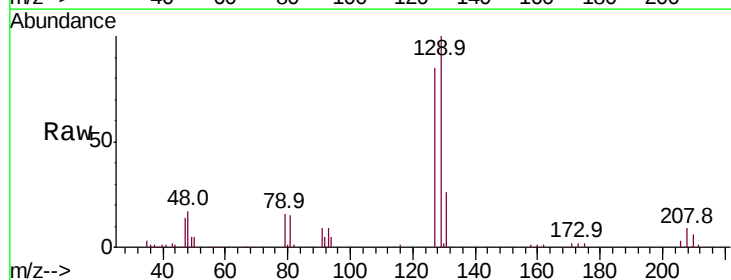
Acq: 09 Sep 2019 12:57

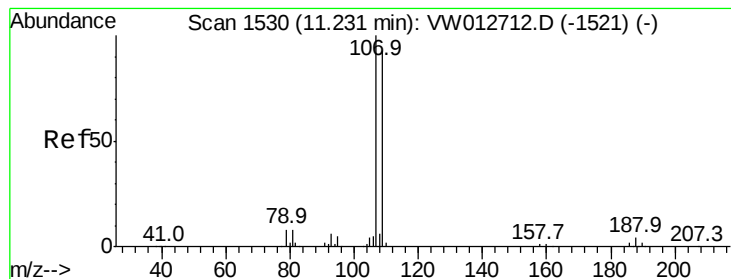
Tgt Ion: 129 Resp: 36724

Ion Ratio Lower Upper

129 100

127 79.6 38.6 115.8





#61

1,2-Dibromoethane

Concen: 18.612 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.01 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

Instrument :

MSVOA_W

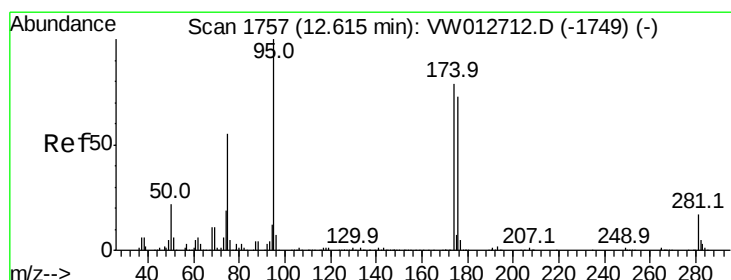
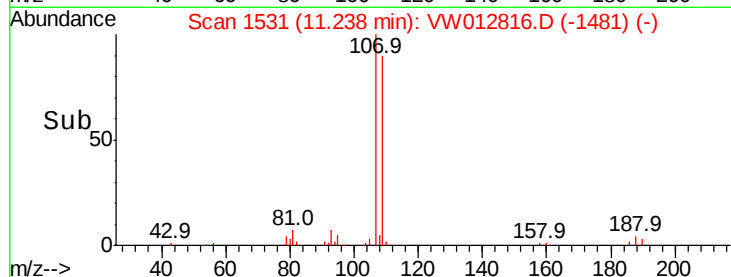
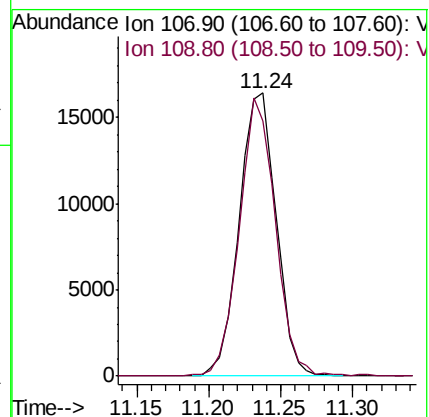
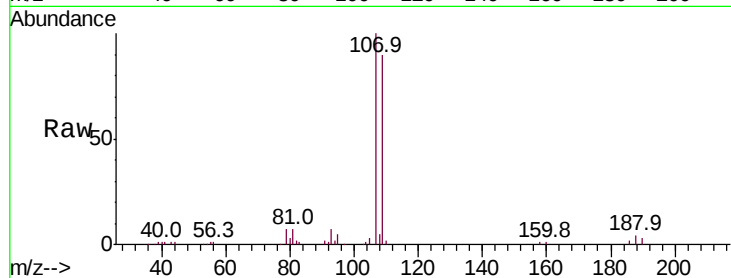
ClientSampleId :

Tot Ion:107 Resp: 29255

Ion Ratio Lower Upper

107 100

109 96.2 75.0 112.6



#62

4-Bromofluorobenzene

Concen: 48.887 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

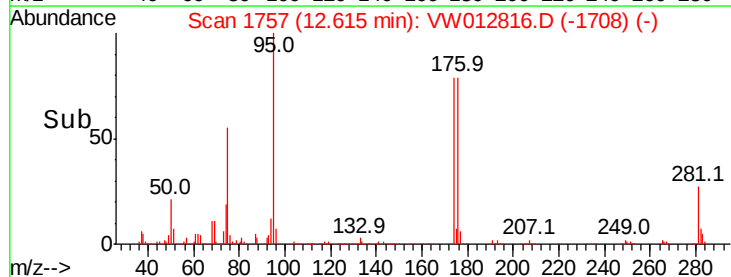
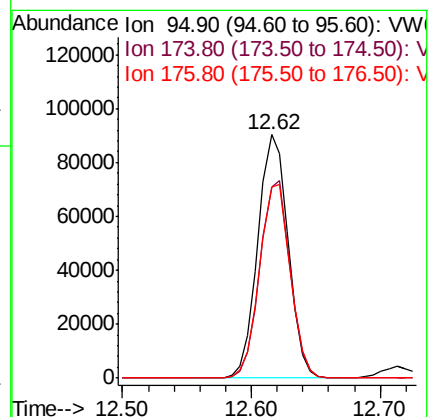
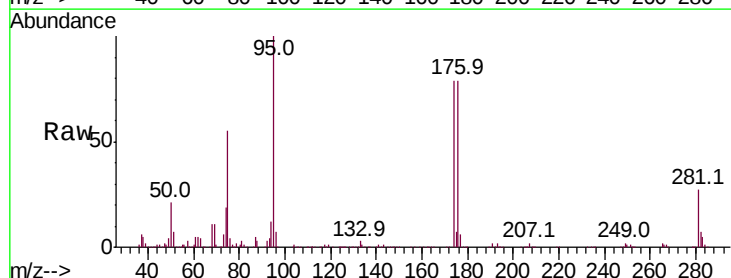
Tgt Ion: 95 Resp: 146213

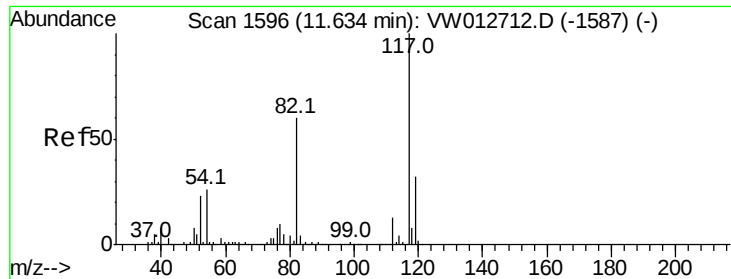
Ion Ratio Lower Upper

95 100

174 81.1 0.0 161.0

176 81.0 0.0 156.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

Instrument :

MSVOA_W

ClientSampleId :

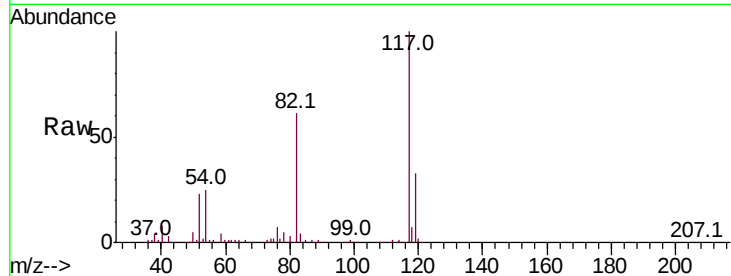
Tot Ion:117 Resp: 303083

Ion Ratio Lower Upper

117 100

82 61.5 48.2 72.4

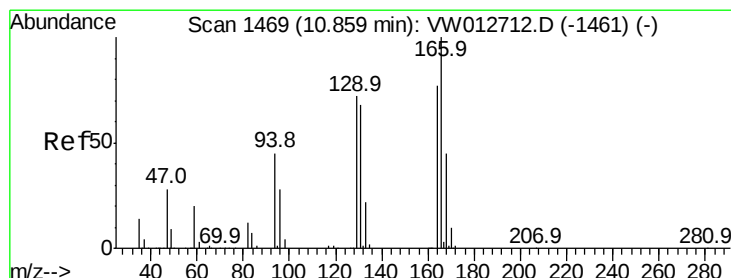
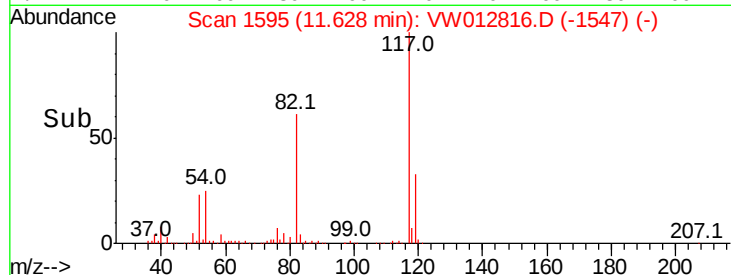
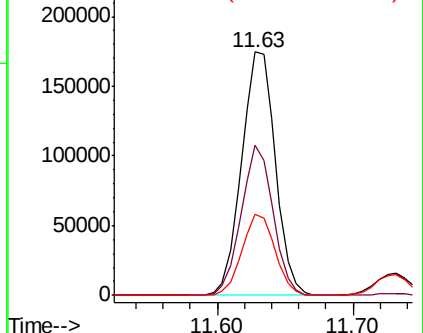
119 33.3 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 20.186 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

Tgt Ion:164 Resp: 37123

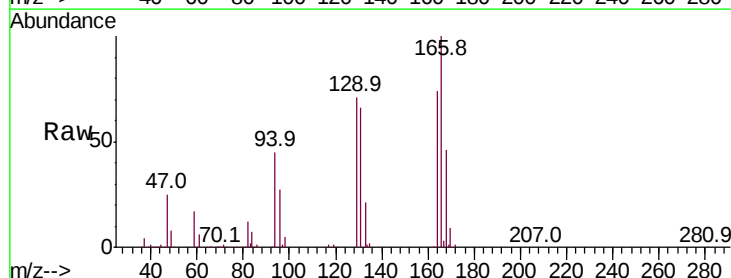
Ion Ratio Lower Upper

164 100

166 134.6 103.6 155.4

129 95.2 74.6 112.0

131 89.1 70.6 106.0

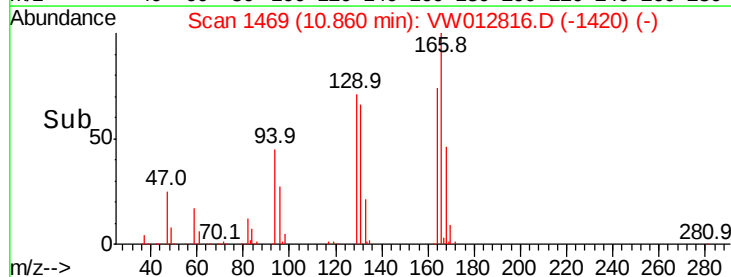
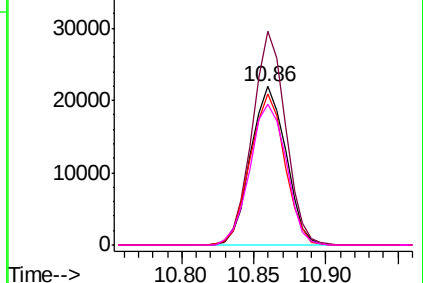


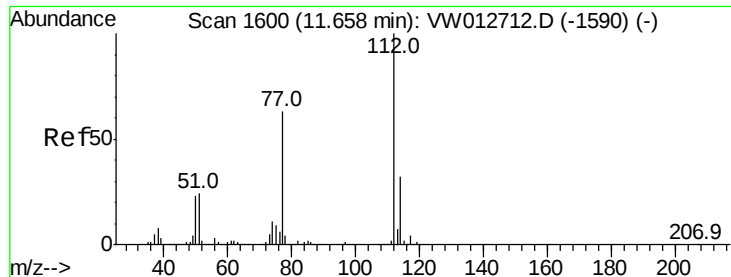
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 19.746 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

Instrument :

MSVOA_W

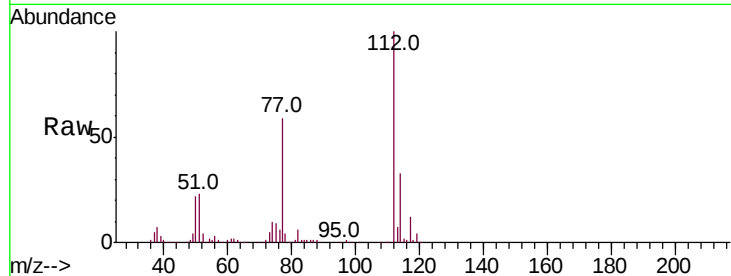
ClientSampleId :

Tot Ion:112 Resp: 113111

Ion Ratio Lower Upper

112 100

114 33.3 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.66

80000

60000

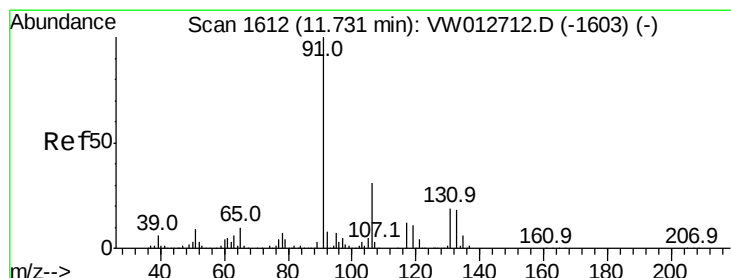
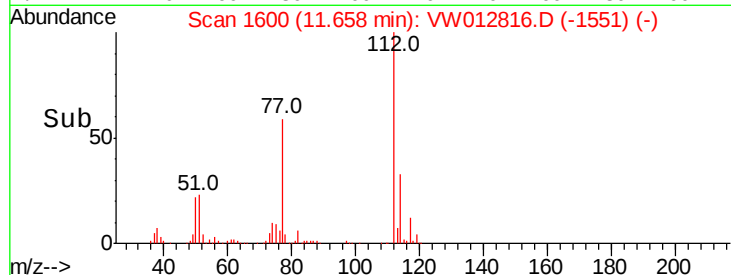
40000

20000

0

Time-->

11.60 11.70



#66

1,1,1,2-Tetrachloroethane

Concen: 19.615 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

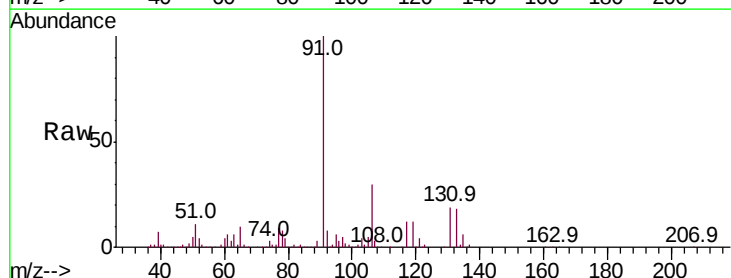
Tgt Ion:131 Resp: 41843

Ion Ratio Lower Upper

131 100

133 94.4 47.6 142.8

119 62.4 30.6 92.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

60000

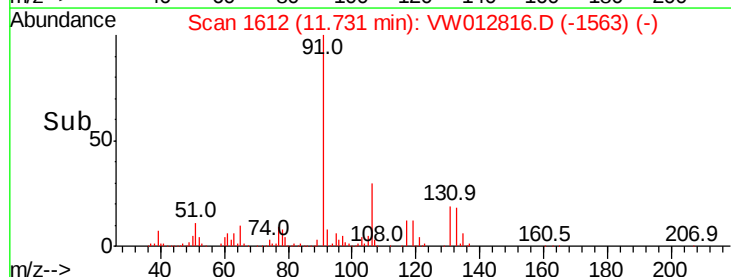
40000

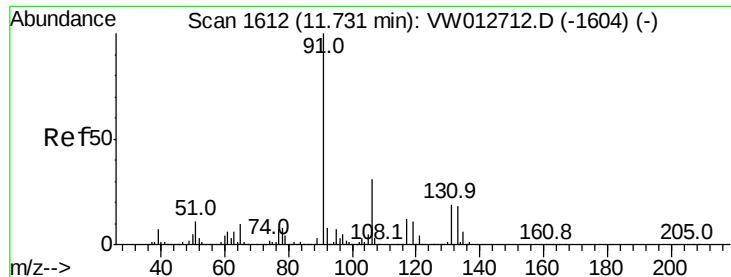
20000

0

Time-->

11.65 11.70 11.75 11.80

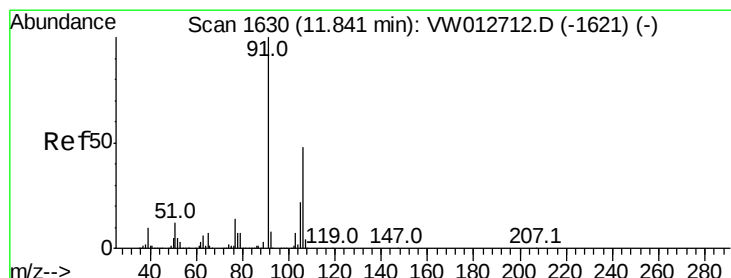
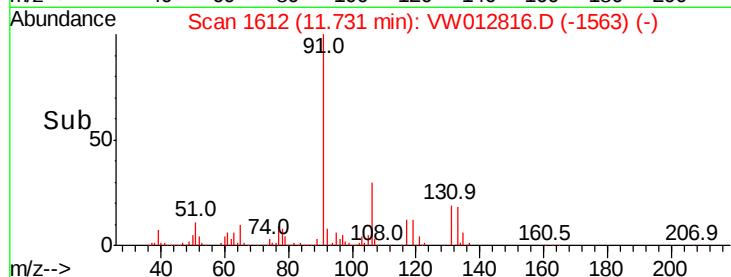
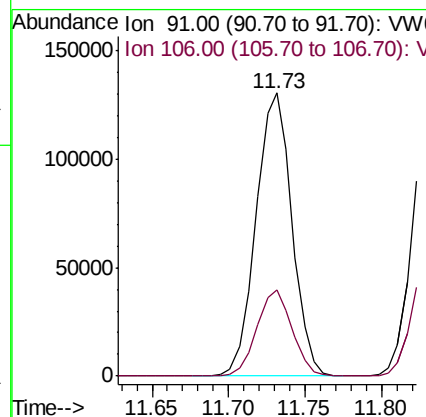
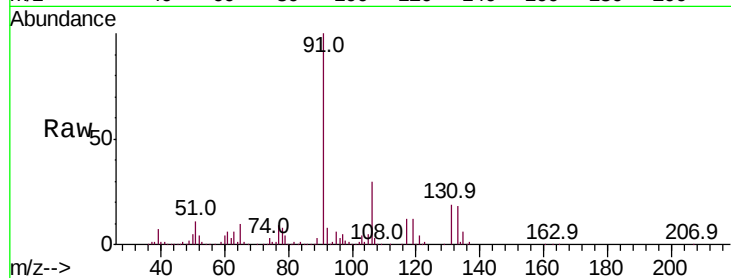




#67
Ethyl Benzene
Concen: 19.810 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW012816.D
Acq: 09 Sep 2019 12:57

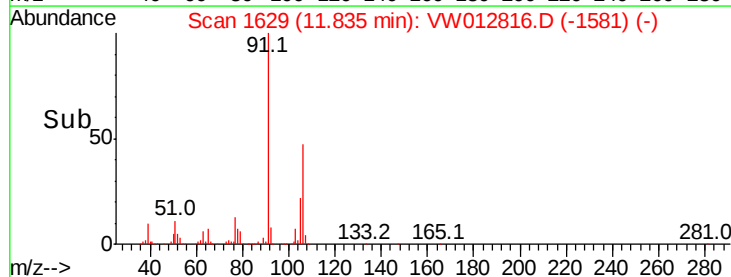
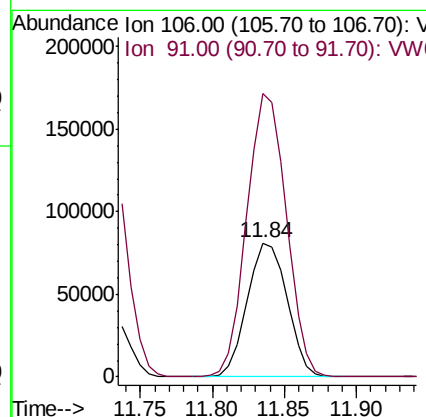
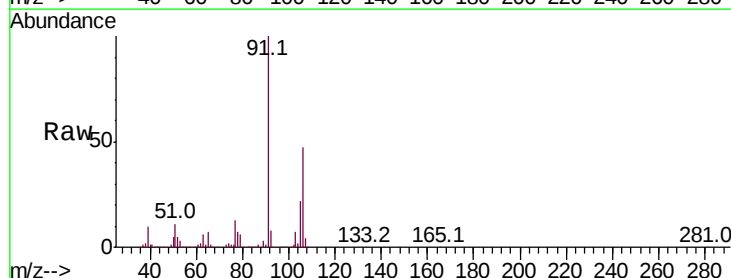
Instrument :
MSVOA_W
ClientSampleId :

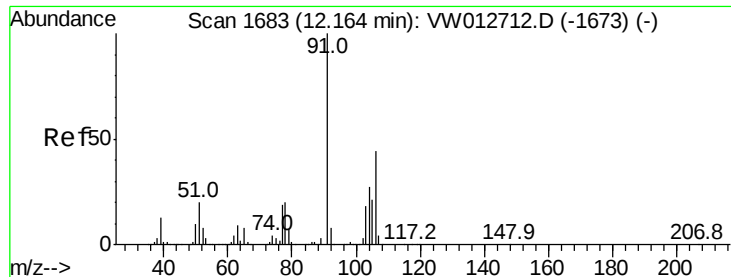
Tot Ion: 91 Resp: 212909
Ion Ratio Lower Upper
91 100
106 30.4 24.4 36.6



#68
m/p-Xylenes
Concen: 40.184 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW012816.D
Acq: 09 Sep 2019 12:57

Tgt Ion: 106 Resp: 155891
Ion Ratio Lower Upper
106 100
91 209.7 168.2 252.4

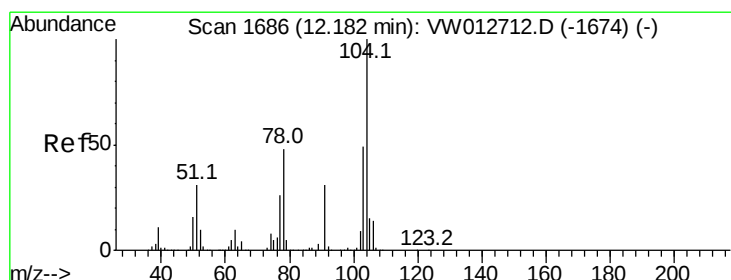
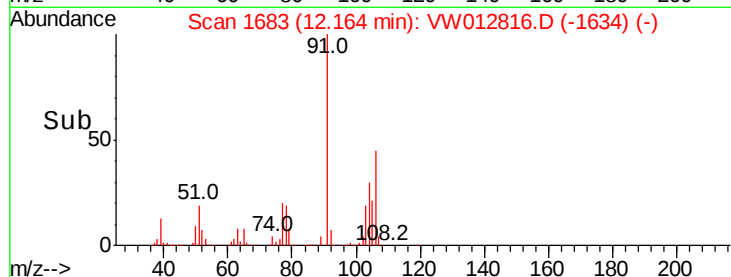
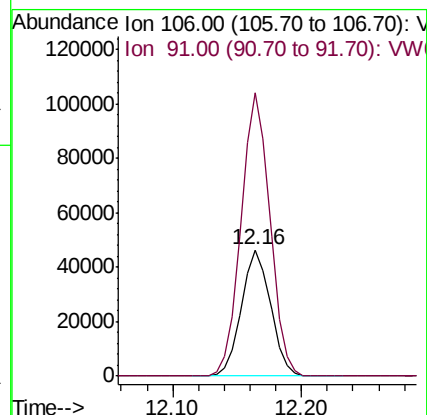
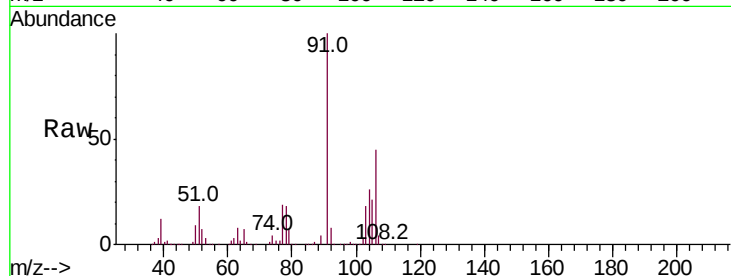




#69
o-Xylene
Concen: 19.897 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW012816.D
Acq: 09 Sep 2019 12:57

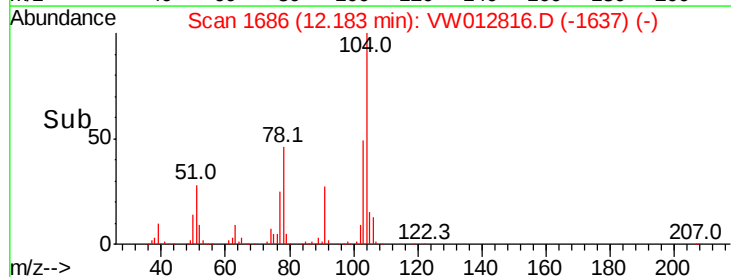
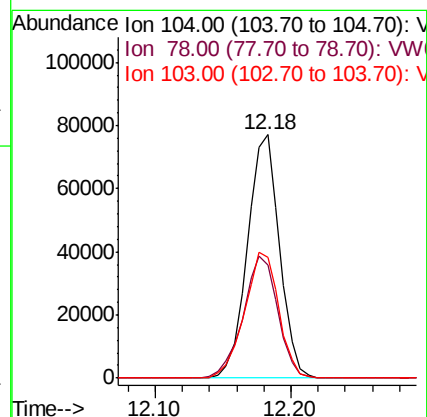
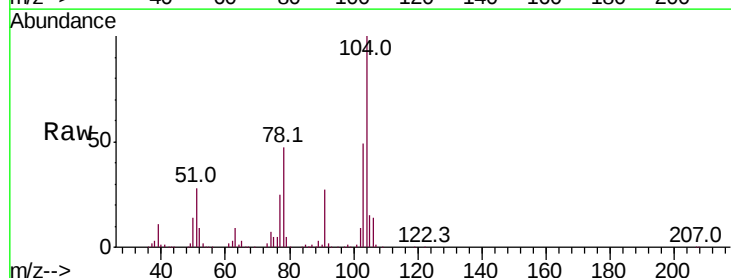
Instrument :
MSVOA_W
ClientSampled :

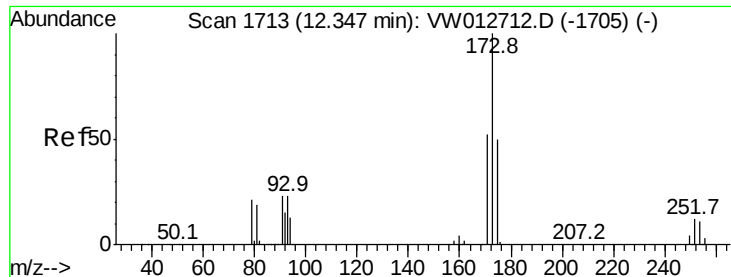
Tot Ion:106 Resp: 72824
Ion Ratio Lower Upper
106 100
91 222.2 112.3 336.8



#70
Styrene
Concen: 19.661 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW012816.D
Acq: 09 Sep 2019 12:57

Tgt Ion:104 Resp: 127158
Ion Ratio Lower Upper
104 100
78 54.2 43.3 64.9
103 55.3 44.0 66.0

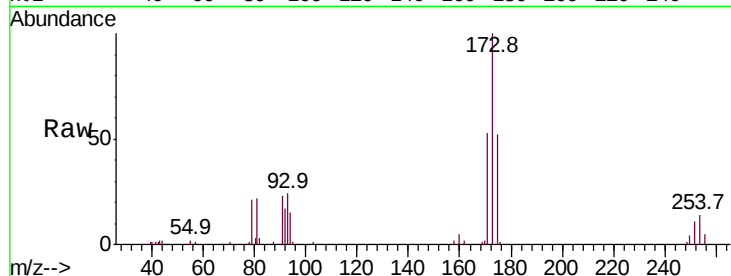




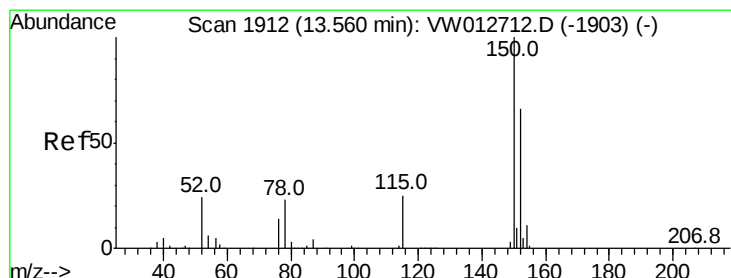
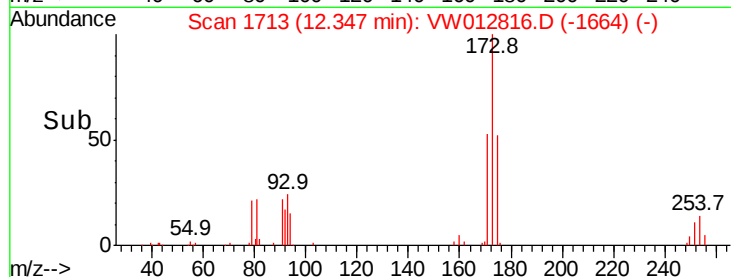
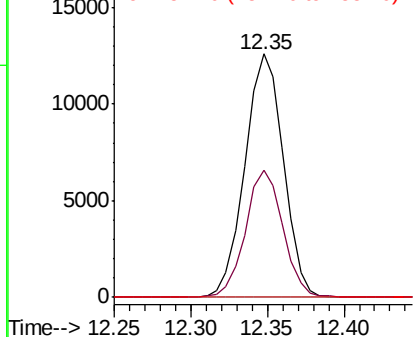
#71
Bromoform
Concen: 18.632 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW012816.D
Acq: 09 Sep 2019 12:57

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:173 Resp: 22083
Ion Ratio Lower Upper
173 100
175 50.4 24.8 74.3
254 0.0 0.1 0.1#

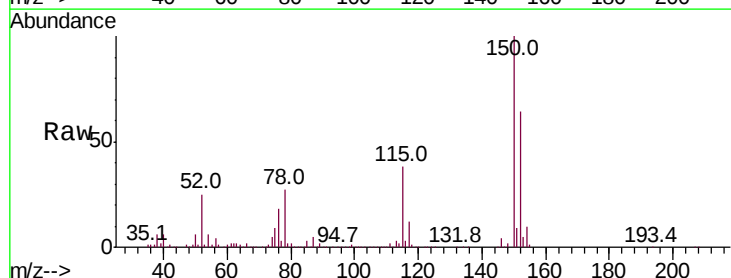


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

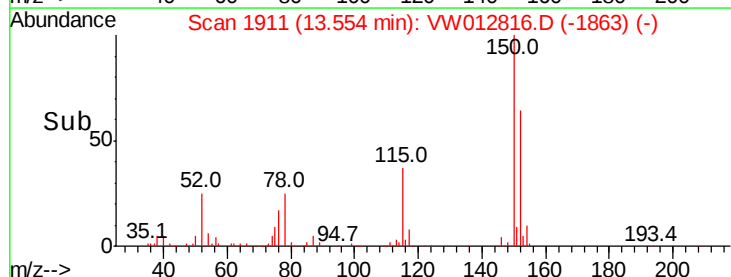
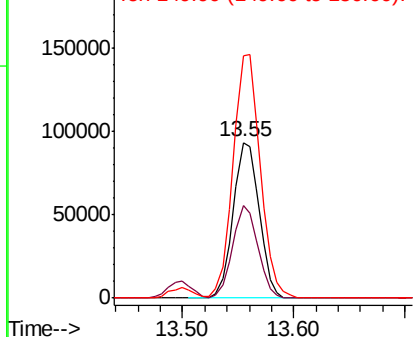


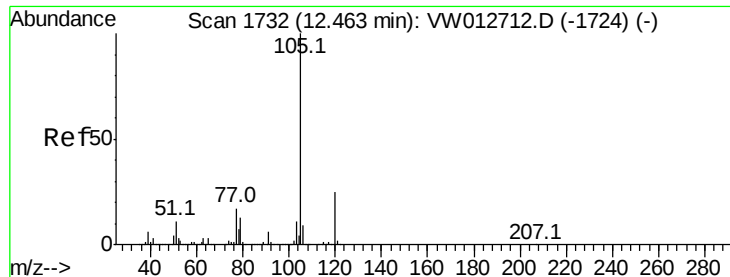
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW012816.D
Acq: 09 Sep 2019 12:57

Tgt Ion:152 Resp: 150893
Ion Ratio Lower Upper
152 100
115 57.5 30.0 90.1
150 163.0 0.0 349.0



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





#73

Isopropylbenzene

Concen: 19.608 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

Instrument :

MSVOA_W

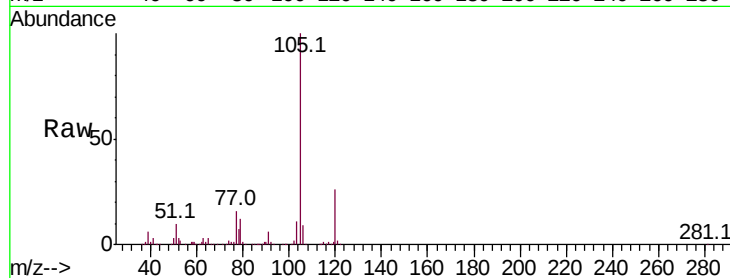
ClientSampleId :

Tot Ion:105 Resp: 212204

Ion Ratio Lower Upper

105 100

120 25.8 13.0 38.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

120000

100000

50000

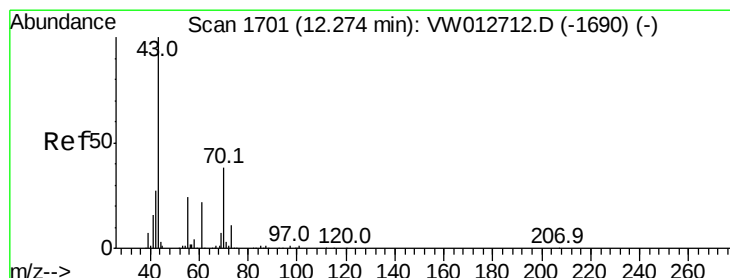
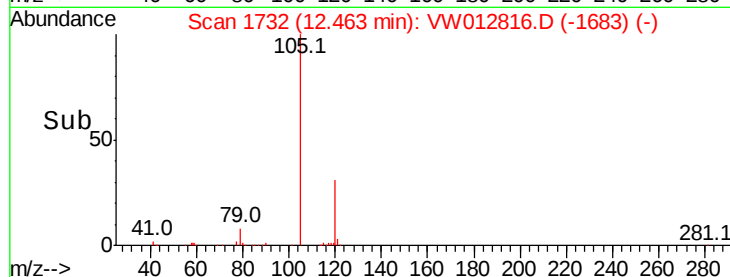
0

12.46

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 17.259 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.01 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

Tgt Ion: 43 Resp: 59290

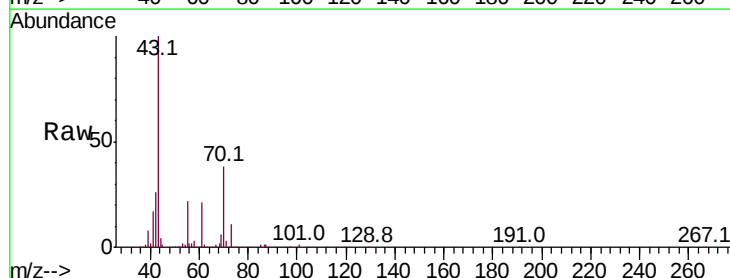
Ion Ratio Lower Upper

43 100

70 38.4 29.4 44.0

55 24.2 18.6 27.8

61 22.4 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

60000

50000

40000

30000

20000

10000

0

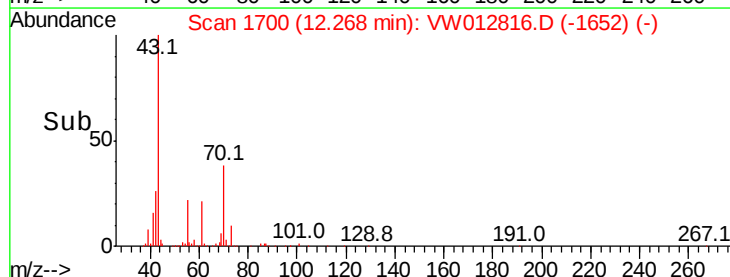
12.27

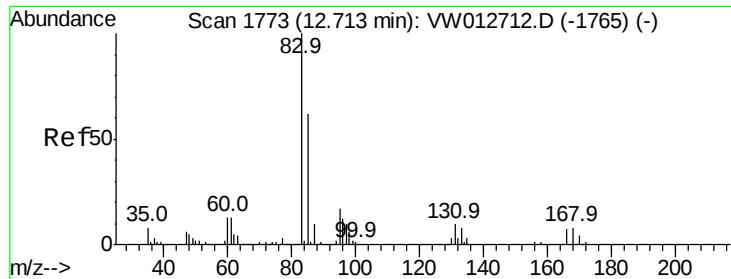
12.20

12.30

12.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.475 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

Instrument :

MSVOA_W

ClientSampleId :

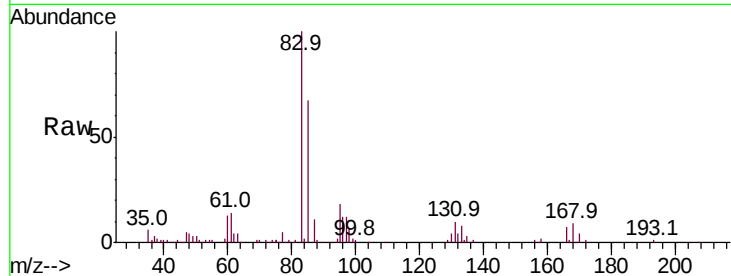
Tot Ion: 83 Resp: 40155

Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.1	15.4
85	63.3	31.4	94.2

83 100

131 11.0 5.1 15.4

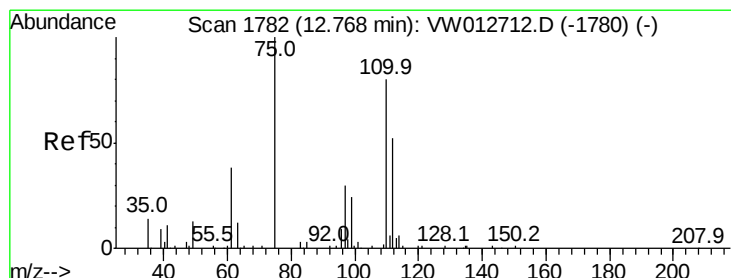
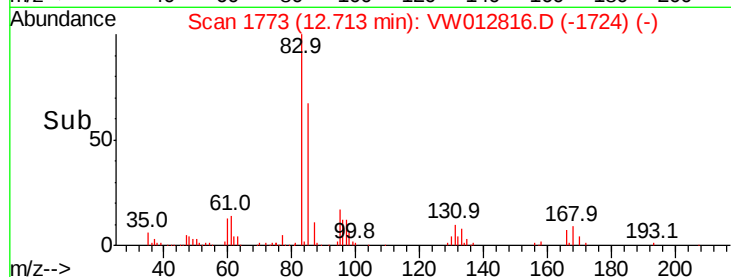
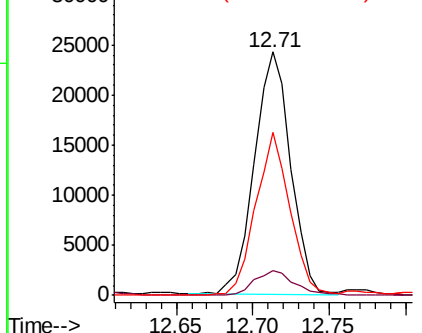
85 63.3 31.4 94.2



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: 33.682 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW012816.D

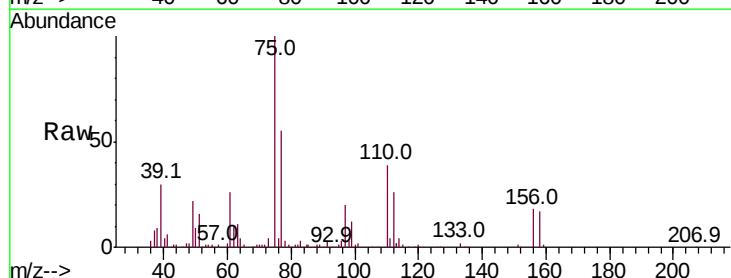
Acq: 09 Sep 2019 12:57

Tgt Ion: 75 Resp: 51969

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

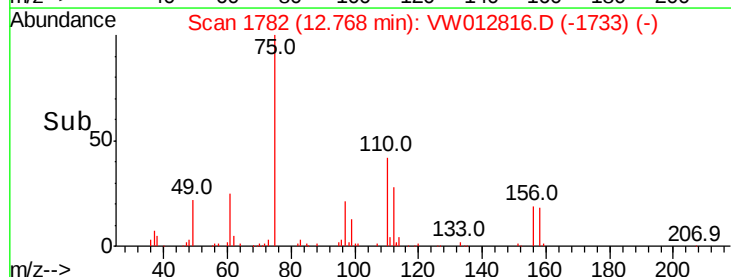
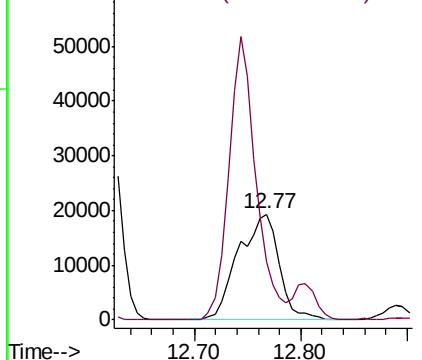
75 100

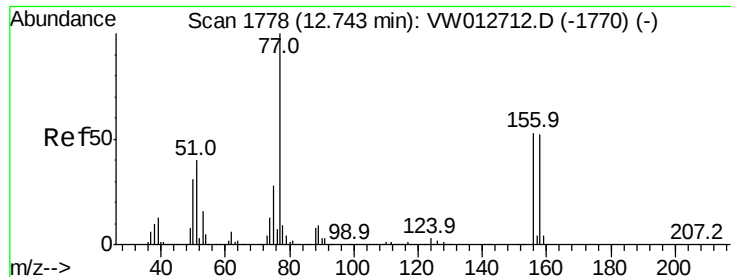
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 19.438 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

Instrument :

MSVOA_W

ClientSampled :

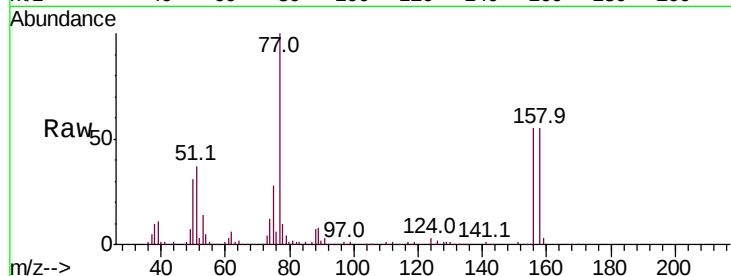
Tot Ion:156 Resp: 47660

Ion Ratio Lower Upper

156 100

77 194.8 102.3 306.9

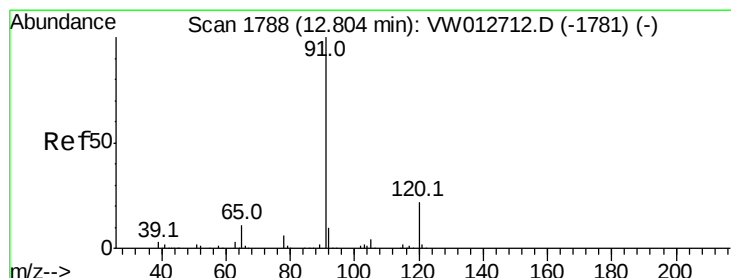
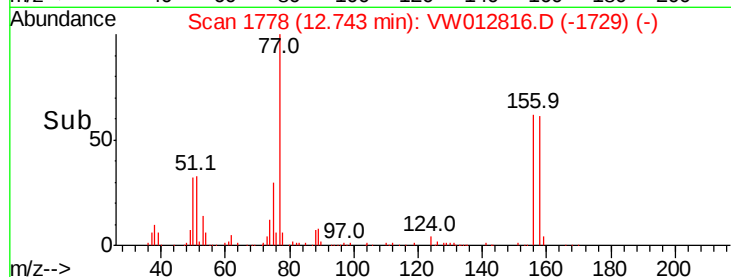
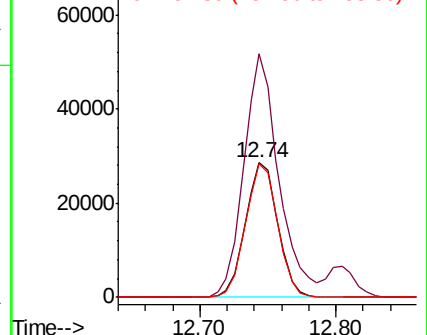
158 98.0 48.9 146.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.485 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW012816.D

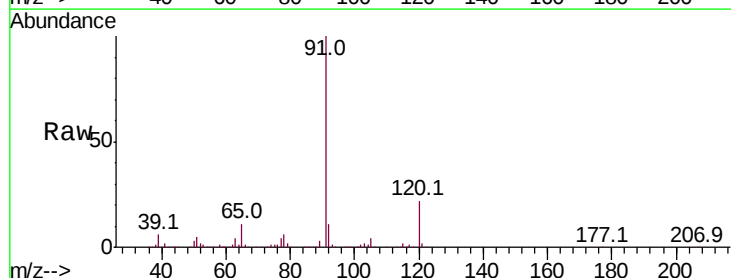
Acq: 09 Sep 2019 12:57

Tgt Ion: 91 Resp: 252201

Ion Ratio Lower Upper

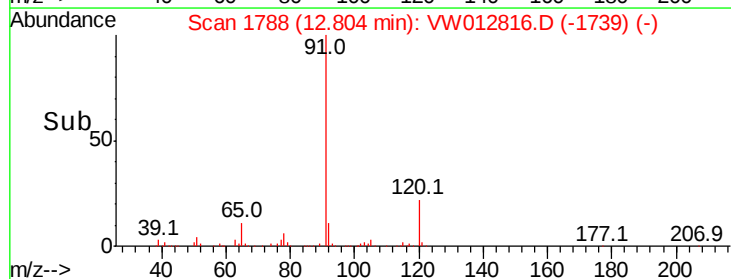
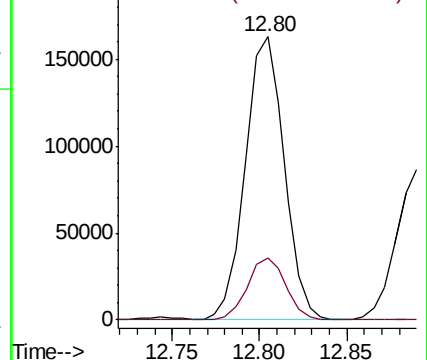
91 100

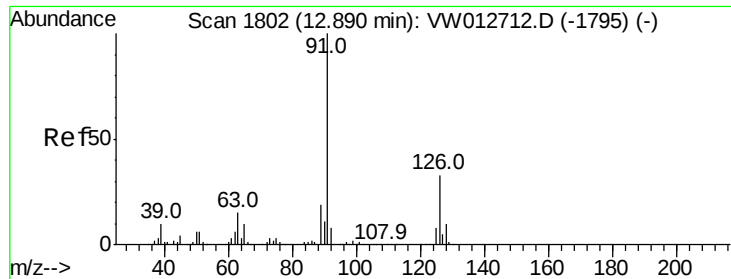
120 21.9 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.217 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

Instrument :

MSVOA_W

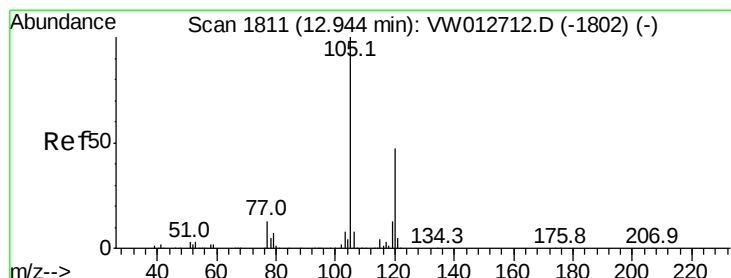
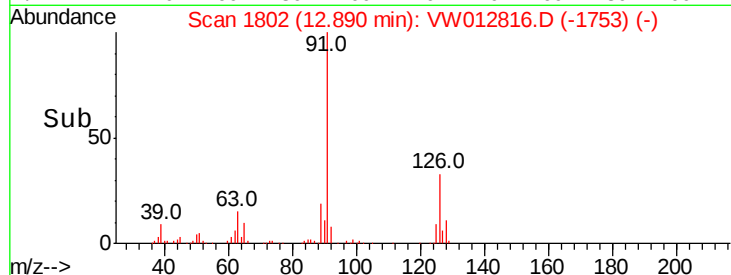
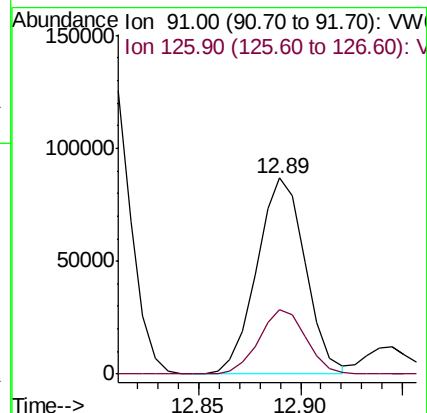
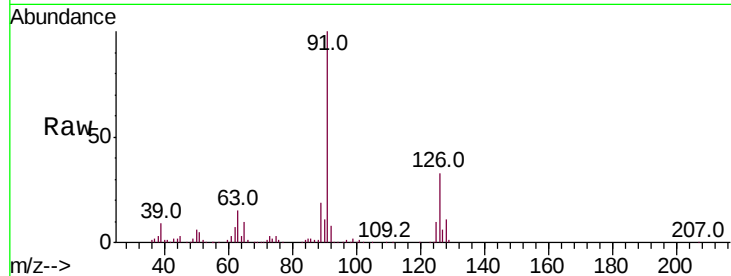
ClientSampleId :

Tot Ion: 91 Resp: 142793

Ion Ratio Lower Upper

91 100

126 32.4 16.1 48.3



#80

1,3,5-Trimethylbenzene

Concen: 19.729 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW012816.D

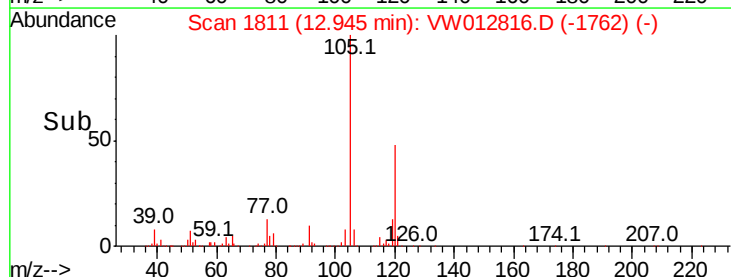
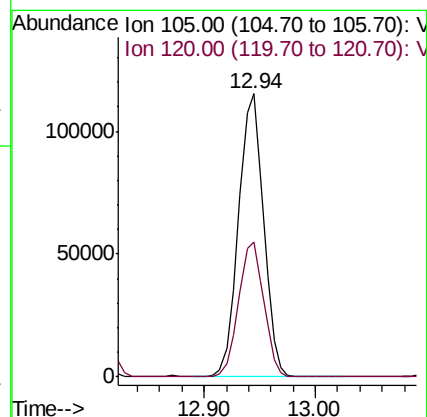
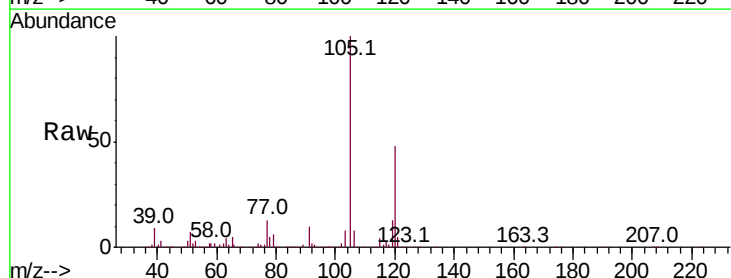
Acq: 09 Sep 2019 12:57

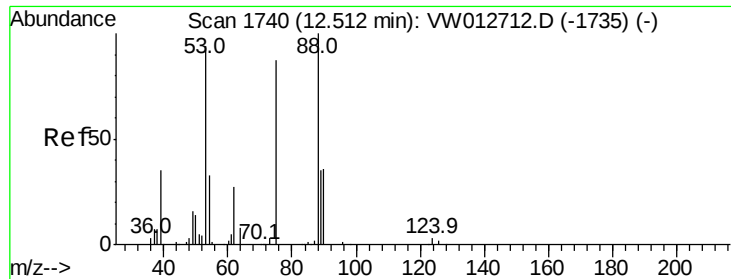
Tgt Ion:105 Resp: 179921

Ion Ratio Lower Upper

105 100

120 48.0 23.9 71.8





#81

trans-1,4-Dichloro-2-butene

Concen: 17.723 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

Instrument :

MSVOA_W

ClientSampleId :

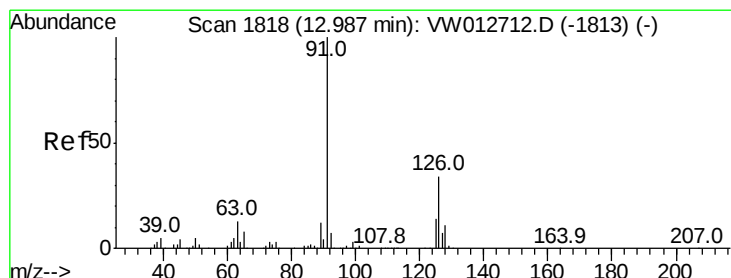
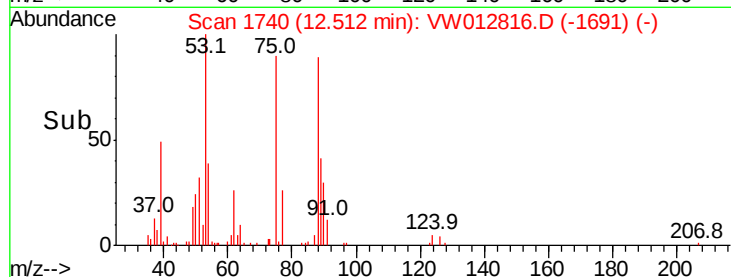
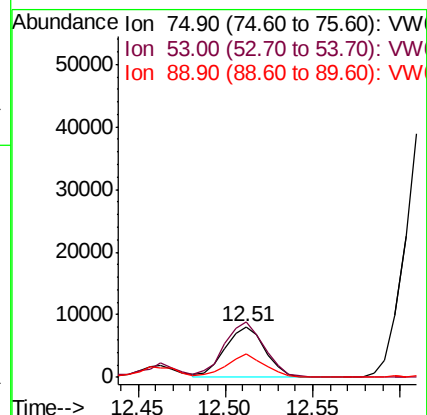
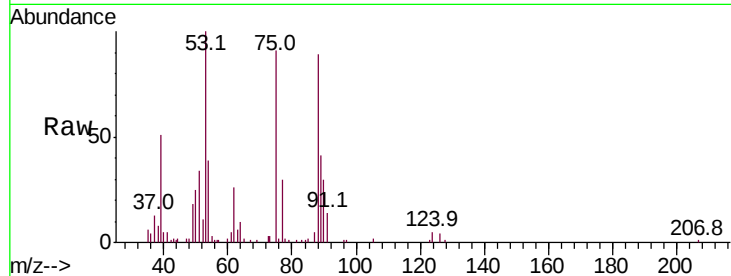
Tot Ion: 75 Resp: 12929

Ion Ratio Lower Upper

75 100

53 107.6 87.6 131.4

89 43.3 35.5 53.3



#82

4-Chlorotoluene

Concen: 19.027 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW012816.D

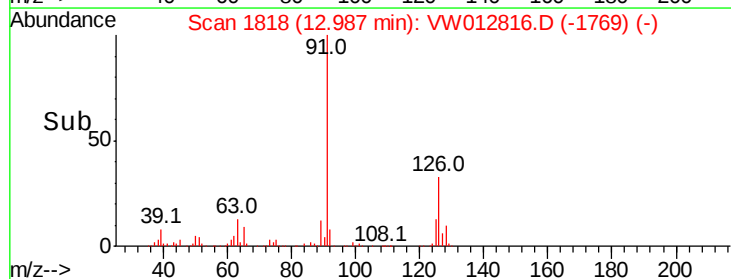
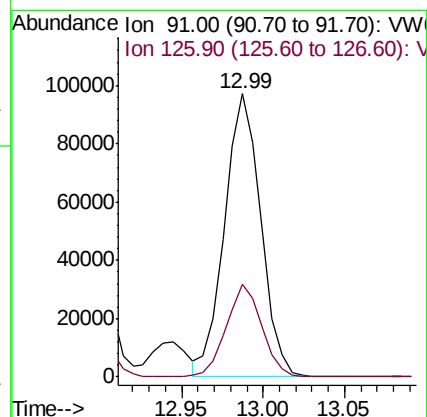
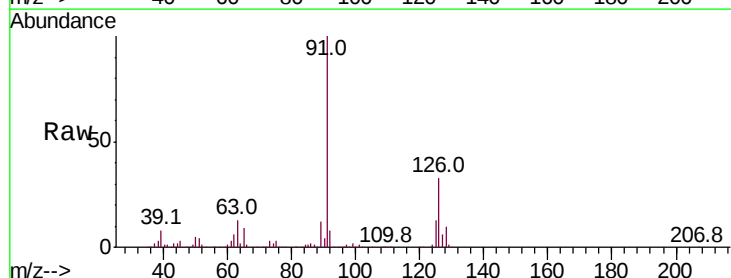
Acq: 09 Sep 2019 12:57

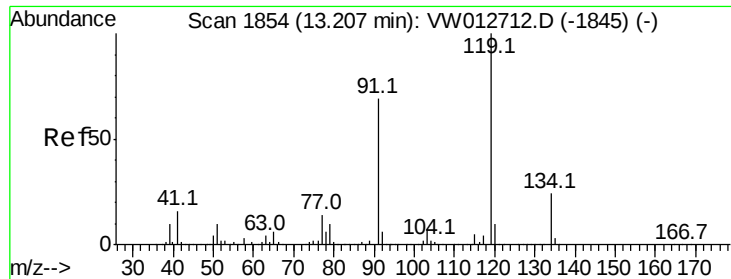
Tgt Ion: 91 Resp: 149546

Ion Ratio Lower Upper

91 100

126 32.1 15.9 47.6

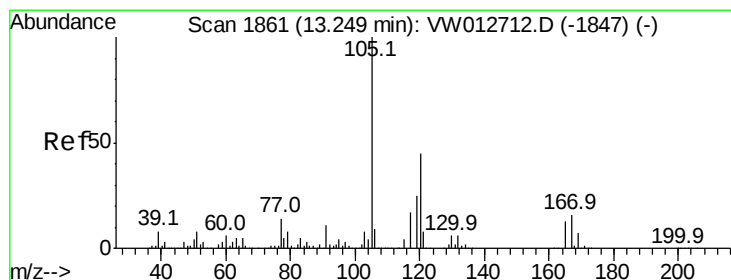
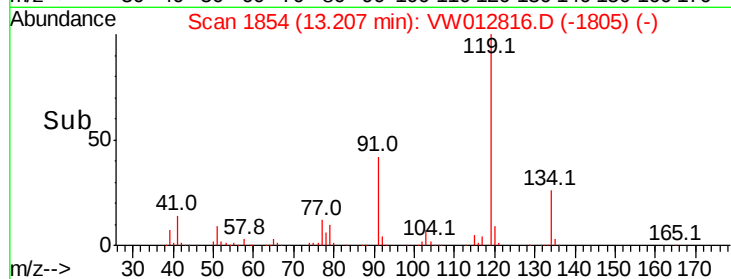
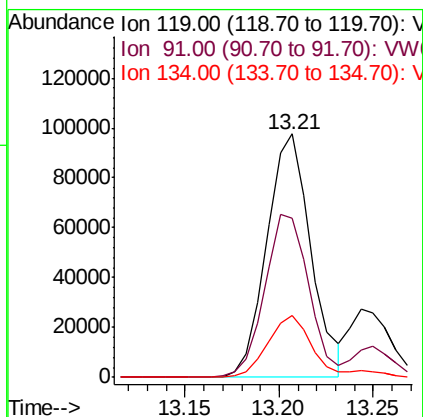
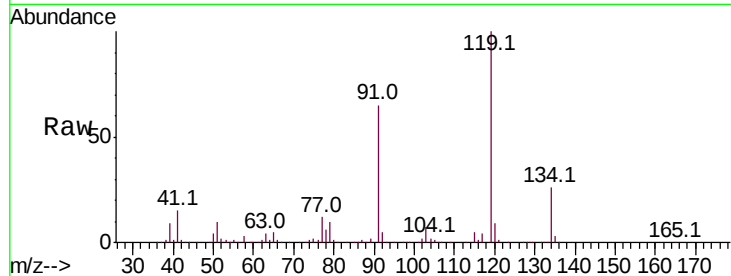




#83
tert-Butylbenzene
Concen: 19.680 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW012816.D
Acq: 09 Sep 2019 12:57

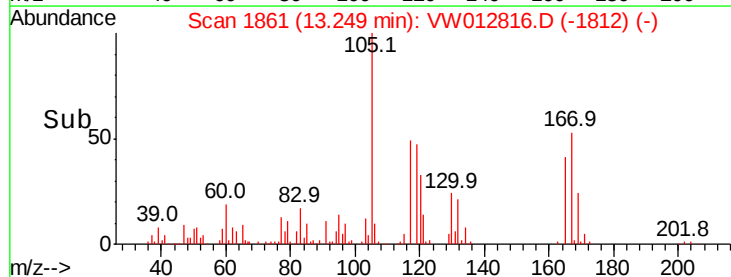
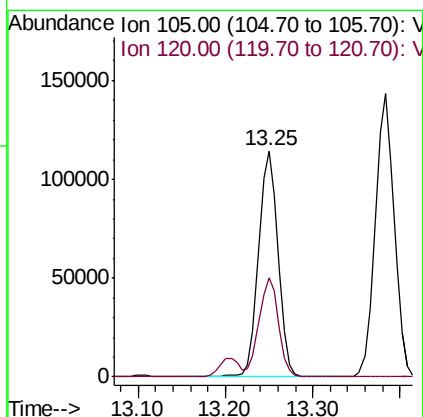
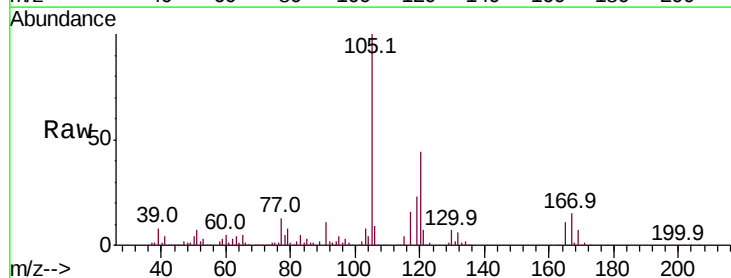
Instrument :
MSVOA_W
ClientSampleId :

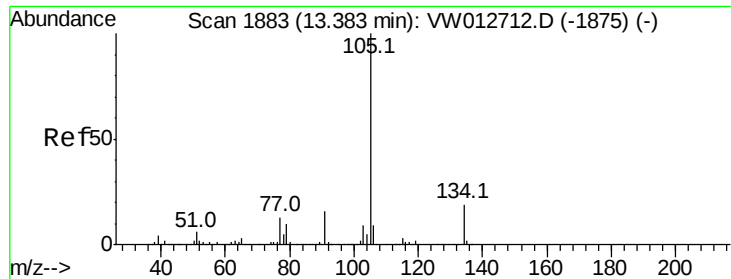
Tot Ion:119 Resp: 158689
Ion Ratio Lower Upper
119 100
91 66.8 34.2 102.5
134 25.0 12.3 36.9



#84
1,2,4-Trimethylbenzene
Concen: 19.349 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW012816.D
Acq: 09 Sep 2019 12:57

Tgt Ion:105 Resp: 177799
Ion Ratio Lower Upper
105 100
120 43.8 22.1 66.3





#85

sec-Butylbenzene

Concen: 19.296 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

Instrument :

MSVOA_W

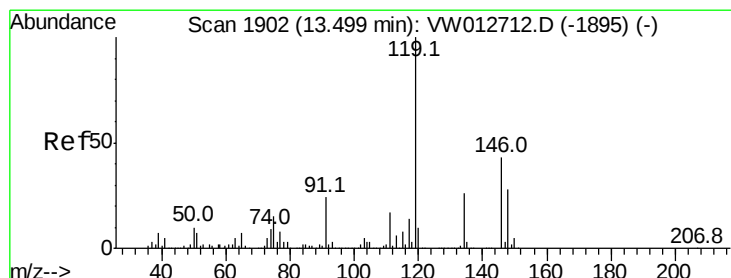
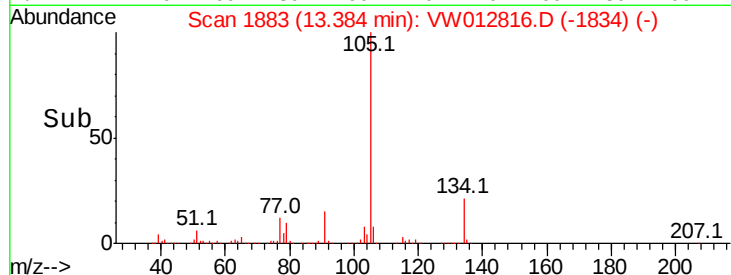
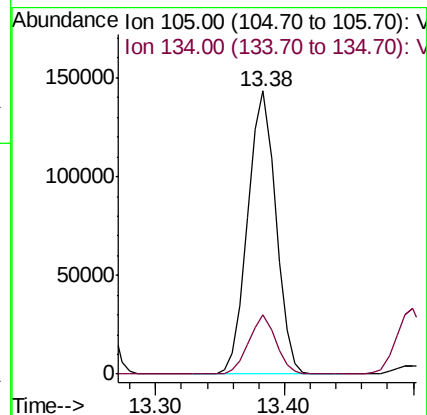
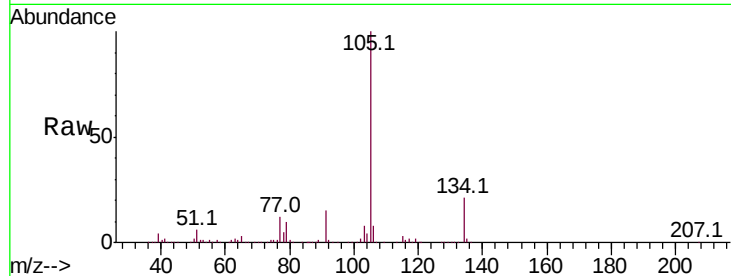
ClientSampleId :

Tot Ion:105 Resp: 215912

Ion Ratio Lower Upper

105 100

134 20.1 9.8 29.3



#86

p-Isopropyltoluene

Concen: 19.575 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

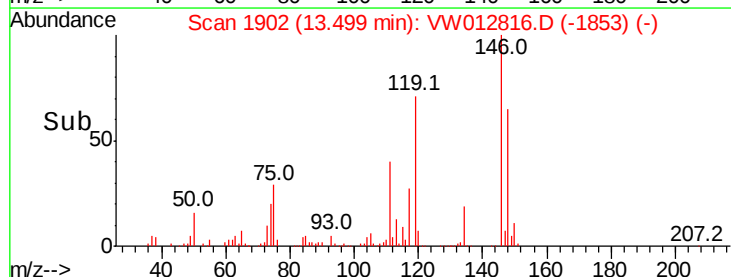
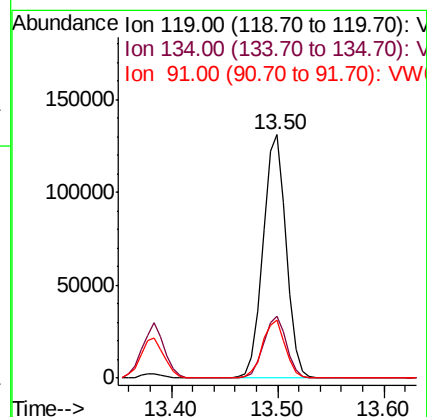
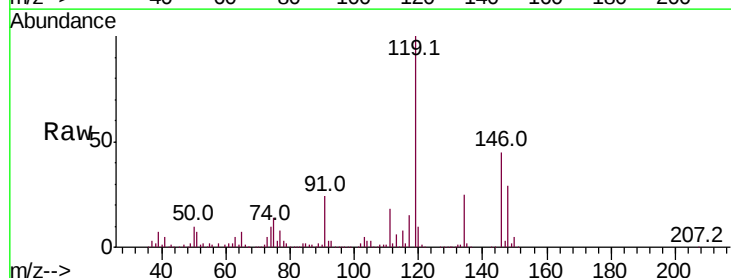
Tgt Ion:119 Resp: 200068

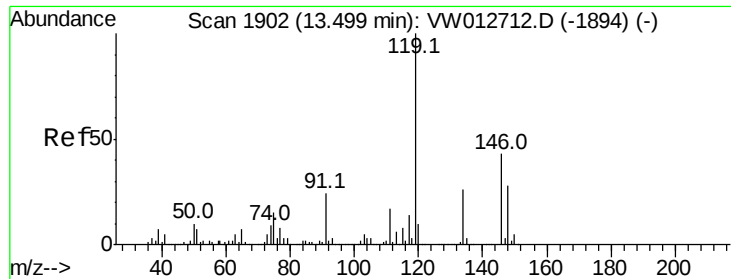
Ion Ratio Lower Upper

119 100

134 25.2 12.7 38.1

91 23.6 12.2 36.6





#87

1,3-Dichlorobenzene

Concen: 19.201 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

Instrument :

MSVOA_W

ClientSampleId :

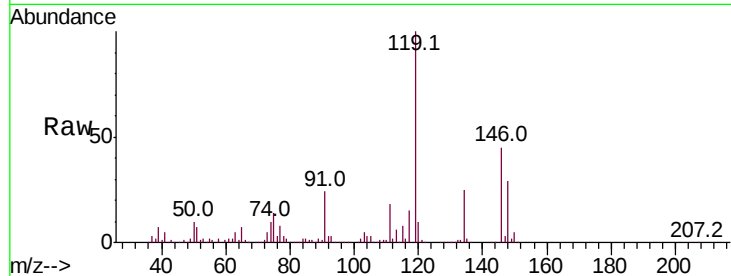
Tot Ion:146 Resp: 92536

Ion Ratio Lower Upper

146 100

111 40.9 20.4 61.2

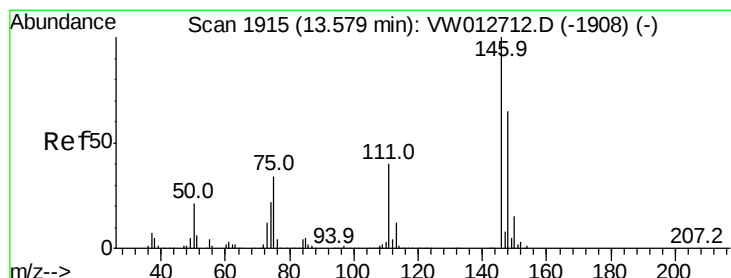
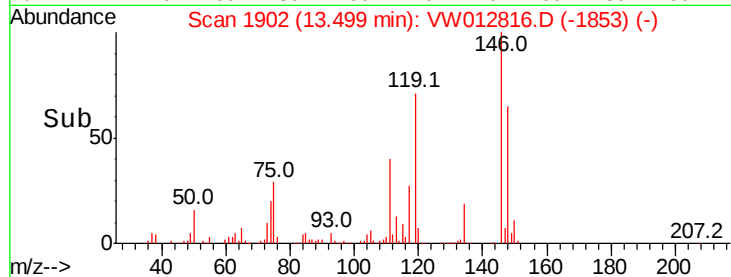
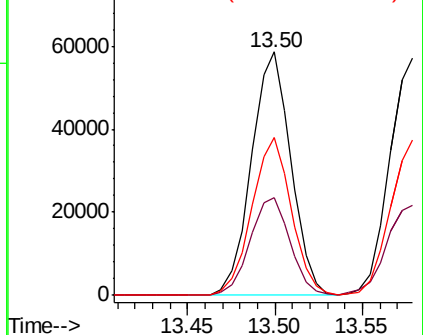
148 64.9 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.279 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

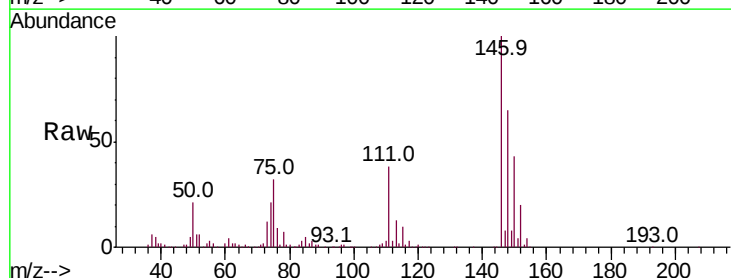
Tgt Ion:146 Resp: 92456

Ion Ratio Lower Upper

146 100

111 39.8 20.0 60.0

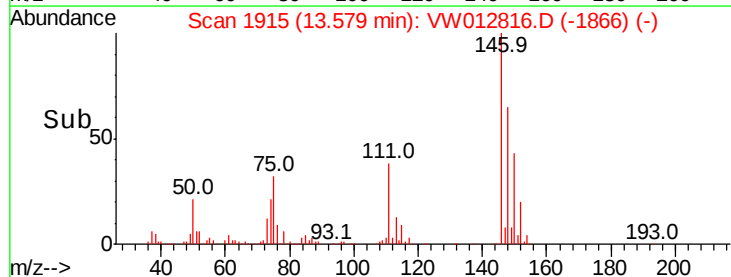
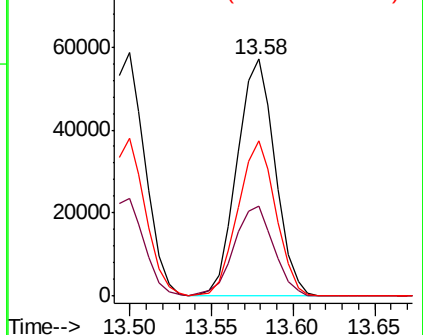
148 65.5 32.2 96.6

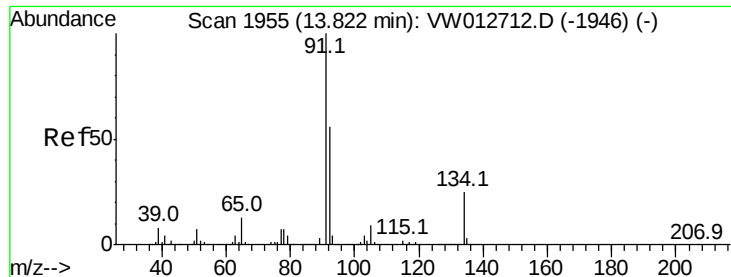


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

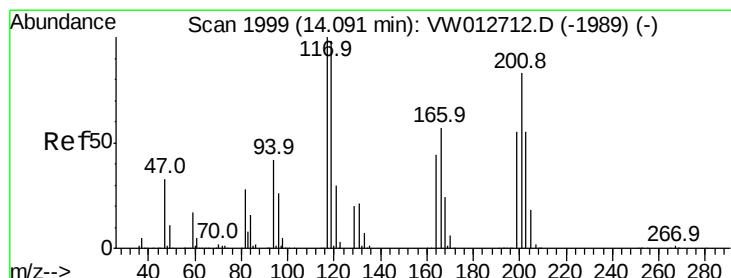
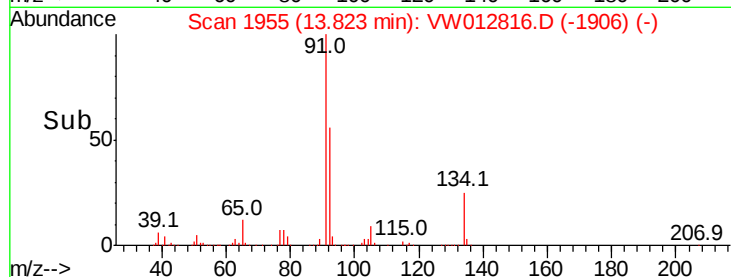
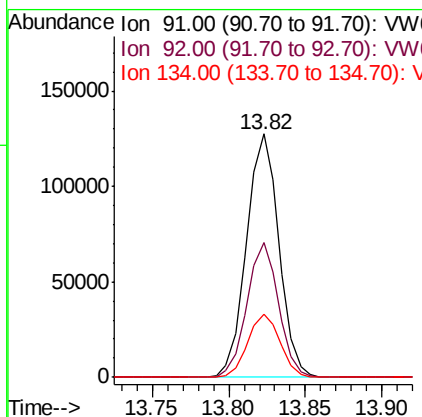
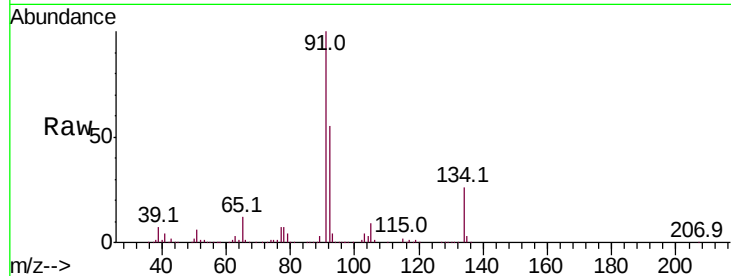




#89
n-Butylbenzene
Concen: 18.933 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW012816.D
Acq: 09 Sep 2019 12:57

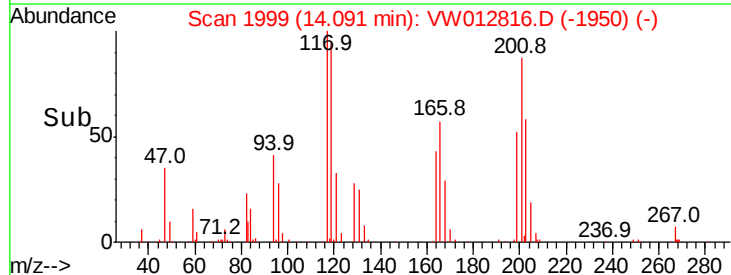
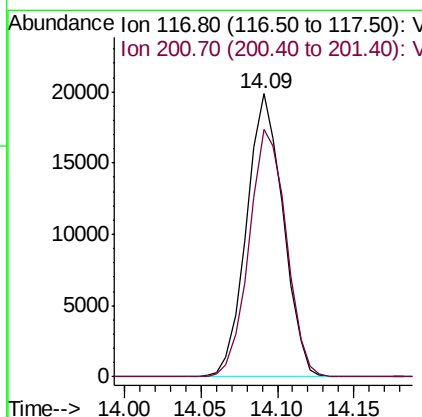
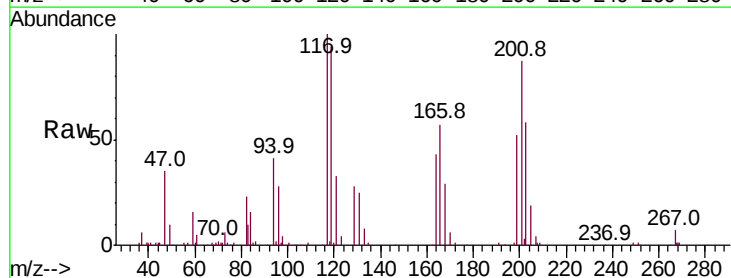
Instrument :
MSVOA_W
ClientSampleId :

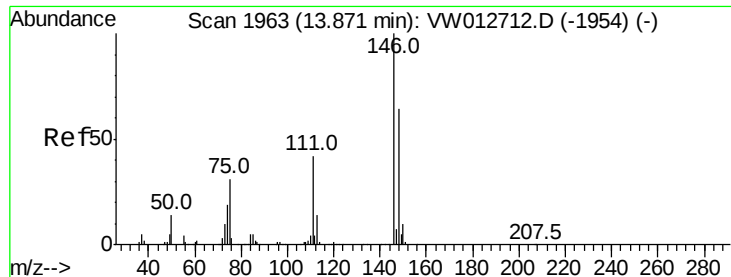
Tot Ion: 91 Resp: 187860
Ion Ratio Lower Upper
91 100
92 53.9 27.2 81.5
134 26.1 12.7 38.1



#90
Hexachloroethane
Concen: 18.521 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW012816.D
Acq: 09 Sep 2019 12:57

Tgt Ion: 117 Resp: 33045
Ion Ratio Lower Upper
117 100
201 88.9 42.8 128.4

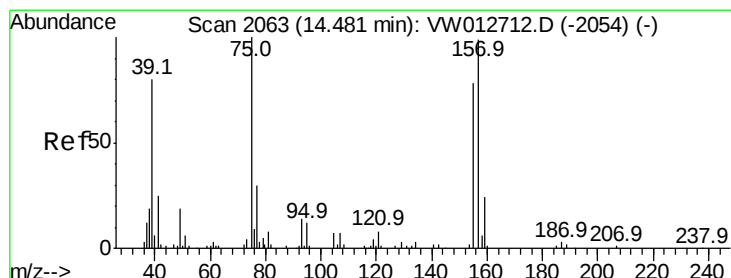
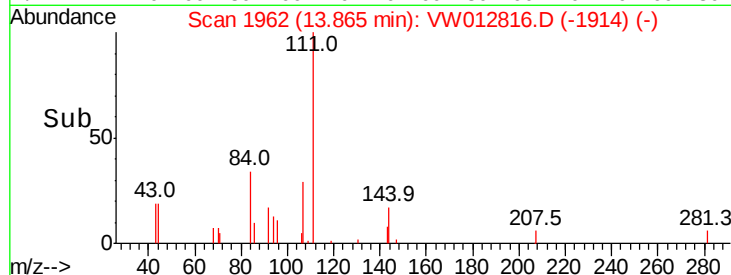
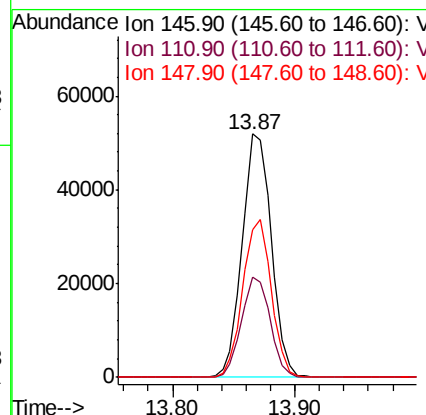
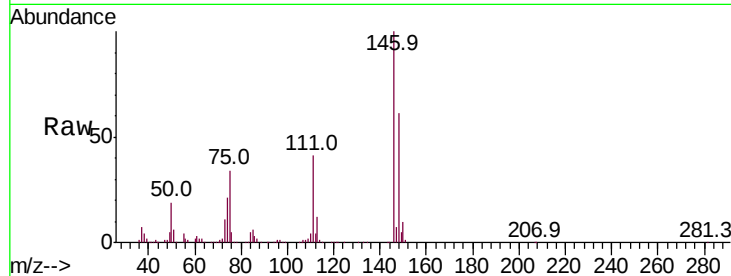




#91
 1,2-Dichlorobenzene
 Concen: 19.767 ug/l
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW012816.D
 Acq: 09 Sep 2019 12:57

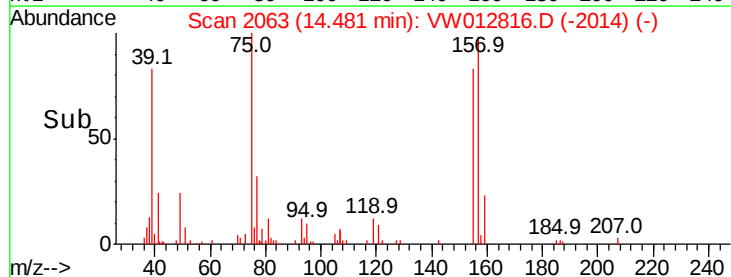
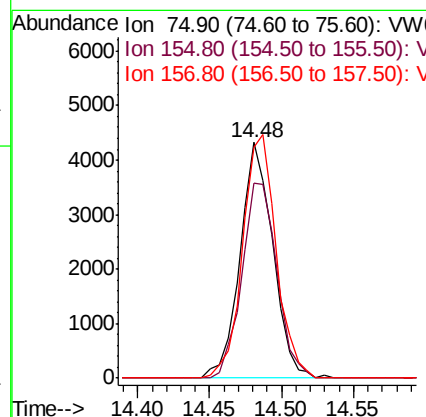
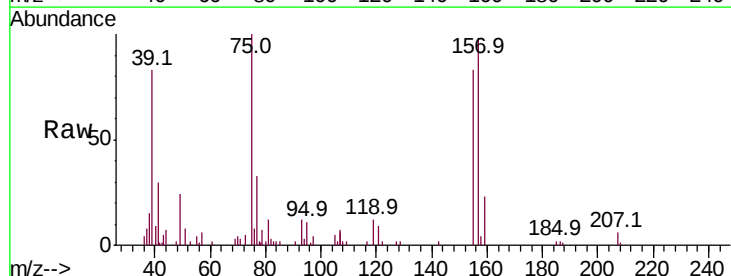
Instrument :
 MSVOA_W
 ClientSampleId :

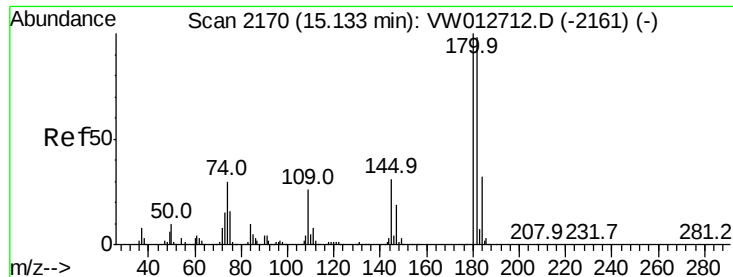
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	21.3	63.9
148	63.5	32.1	96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.179 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW012816.D
 Acq: 09 Sep 2019 12:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.1	40.6	122.0
157	105.0	52.5	157.5

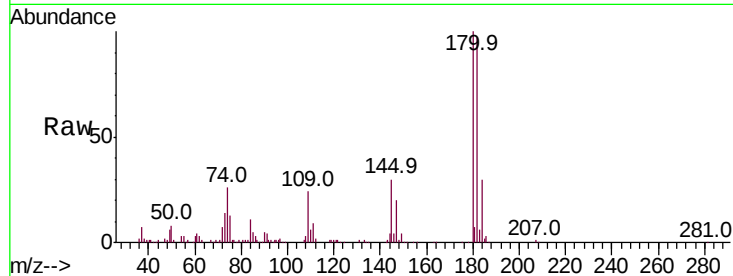




#93
 1,2,4-Trichlorobenzene
 Concen: 19.556 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW012816.D
 Acq: 09 Sep 2019 12:57

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	48.7	146.1
145	29.8	15.0	45.1

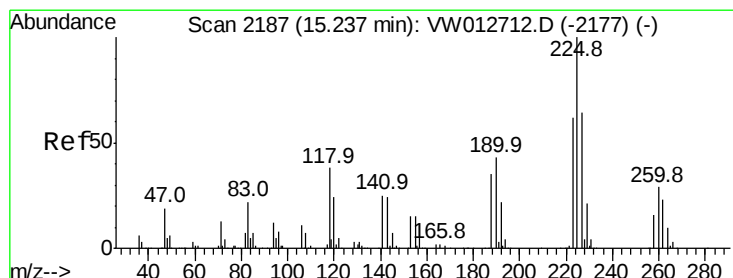
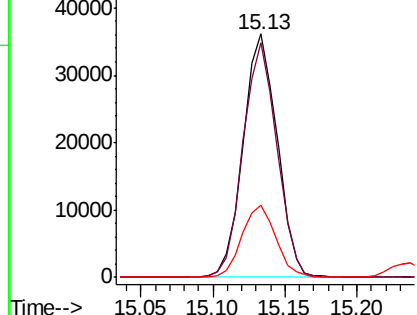
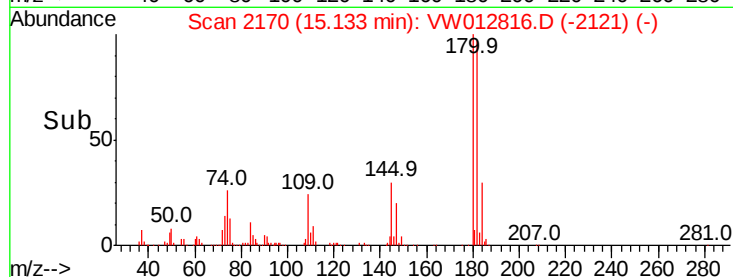


Abundance

Ion 179.80 (179.50 to 180.50): V

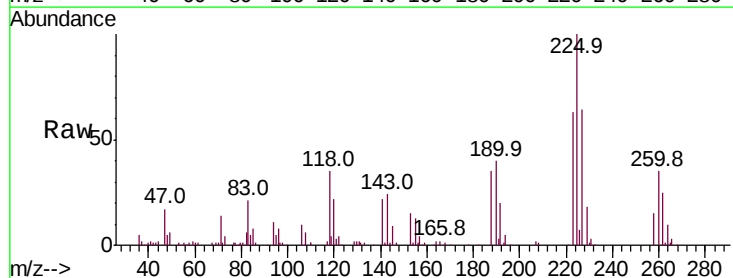
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 19.606 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW012816.D
 Acq: 09 Sep 2019 12:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.1	93.3
227	62.7	31.4	94.2

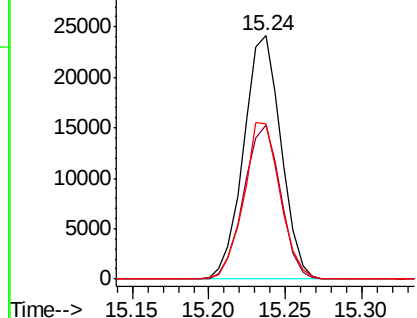
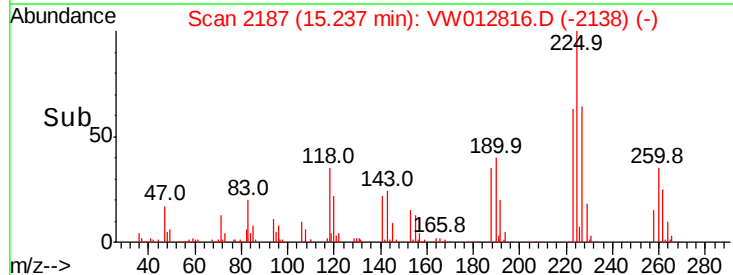


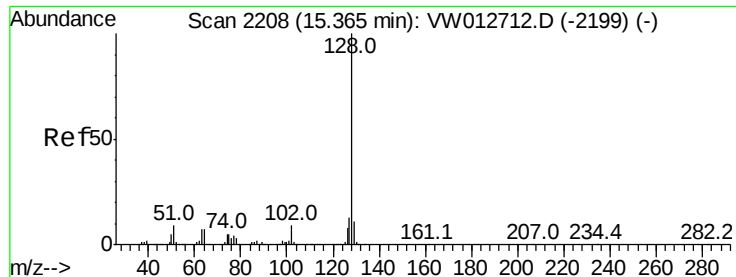
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 19.834 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

Instrument :

MSVOA_W

ClientSampleId :

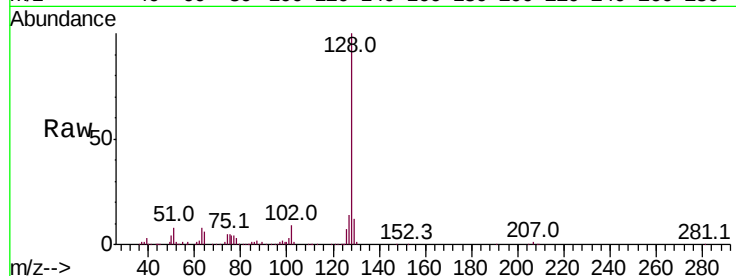
Tot Ion:128 Resp: 106956

Ion Ratio Lower Upper

128 100

127 13.8 10.7 16.1

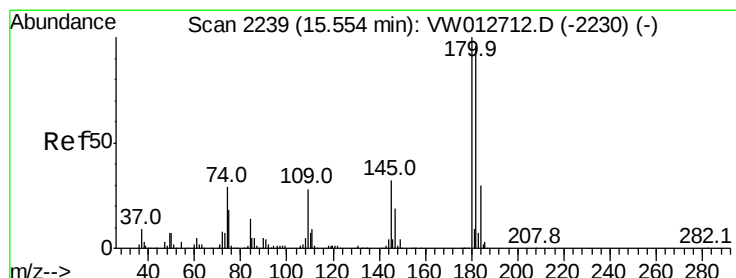
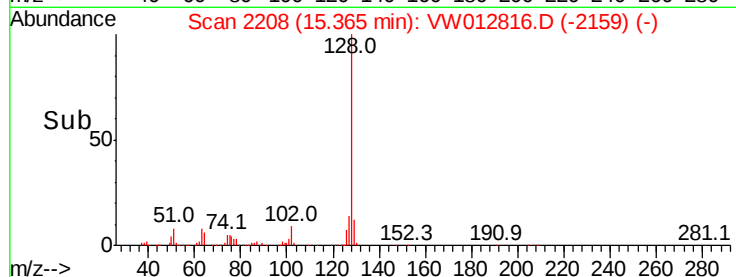
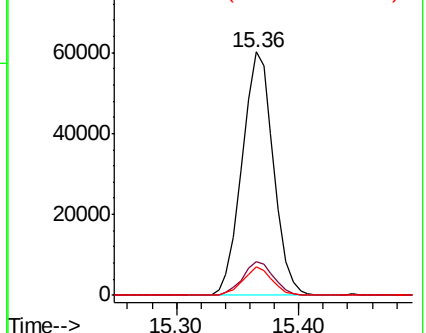
129 11.0 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.619 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

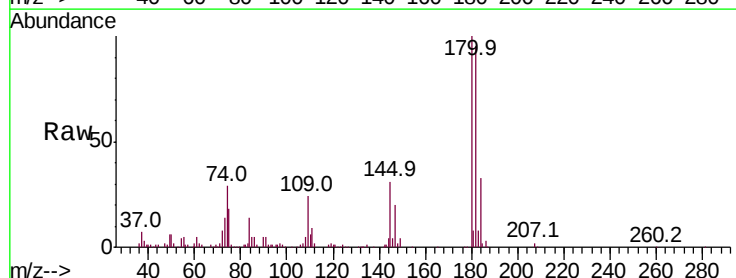
Tgt Ion:180 Resp: 52301

Ion Ratio Lower Upper

180 100

182 95.5 47.8 143.3

145 32.3 15.4 46.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

