

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013197.D
 Acq On : 20 Sep 2019 21:52
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 21 04:55:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	337215	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	480172	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	413145	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	211815	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	147189	53.48	ug/l	0.00
Spiked Amount			Recovery	=	106.96%	
35) Dibromofluoromethane	7.88	113	140349	53.14	ug/l	0.00
Spiked Amount			Recovery	=	106.28%	
50) Toluene-d8	10.32	98	590890	53.46	ug/l	0.00
Spiked Amount			Recovery	=	106.92%	
62) 4-Bromofluorobenzene	12.62	95	199935	52.96	ug/l	0.00
Spiked Amount			Recovery	=	105.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	84147	43.259	ug/l	98
3) Chloromethane	2.21	50	113605	45.433	ug/l	100
4) Vinyl Chloride	2.35	62	150645	46.732	ug/l	100
5) Bromomethane	2.77	94	96635	47.304	ug/l	95
6) Chloroethane	2.92	64	88285	46.462	ug/l	98
7) Trichlorofluoromethane	3.25	101	83450	44.894	ug/l	97
8) Diethyl Ether	3.67	74	78331	49.335	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	148829	49.179	ug/l	98
10) Methyl Iodide	4.26	142	222201	47.358	ug/l	100
11) Tert butyl alcohol	5.18	59	56001	284.041	ug/l	98
12) 1,1-Dichloroethene	4.03	96	150310	47.964	ug/l	98
13) Acrolein	3.89	56	44650	281.829	ug/l	99
14) Allyl chloride	4.66	41	240592	48.240	ug/l	99
15) Acrylonitrile	5.36	53	188565	275.159	ug/l	99
16) Acetone	4.12	43	156463	252.097	ug/l	100
17) Carbon Disulfide	4.38	76	440801	48.665	ug/l	98
18) Methyl Acetate	4.67	43	95658	54.830	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	248212	51.680	ug/l	96
20) Methylene Chloride	4.91	84	154670	48.650	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	164708	48.628	ug/l	94
22) Diisopropyl ether	6.31	45	471637	49.729	ug/l	98
23) Vinyl Acetate	6.25	43	1470551	261.364	ug/l	100
24) 1,1-Dichloroethane	6.21	63	276757	48.359	ug/l	99
25) 2-Butanone	7.17	43	249846	268.164	ug/l	93
26) 2,2-Dichloropropane	7.16	77	163815	47.686	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	171895	48.090	ug/l	98
28) Bromochloromethane	7.51	49	122226	55.646	ug/l	99
29) Tetrahydrofuran	7.52	42	159583	279.297	ug/l	99
30) Chloroform	7.67	83	269106	48.029	ug/l	98
31) Cyclohexane	7.95	56	282142	47.295	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	221451	48.799	ug/l	99
36) 1,1-Dichloropropene	8.08	75	230311	49.521	ug/l	99
37) Ethyl Acetate	7.25	43	109415	55.355	ug/l	99
38) Carbon Tetrachloride	8.07	117	210532	50.498	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	300793	50.327	ug/l	98
40) Benzene	8.32	78	645422	49.753	ug/l	99
41) Methacrylonitrile	7.48	41	59974	50.838	ug/l	91
42) 1,2-Dichloroethane	8.40	62	175393	50.295	ug/l	100
43) Isopropyl Acetate	8.42	43	208061	54.922	ug/l	98
44) Trichloroethene	9.09	130	178269	48.979	ug/l	100
45) 1,2-Dichloropropane	9.37	63	159006	50.205	ug/l	96
46) Dibromomethane	9.46	93	78052	50.761	ug/l	99
47) Bromodichloromethane	9.64	83	194086	49.606	ug/l	97
48) Methyl methacrylate	9.43	41	104347	58.577	ug/l	96
49) 1,4-Dioxane	9.46	88	27381	1186.307	ug/l #	92
51) 4-Methyl-2-Pentanone	10.21	43	539320	283.977	ug/l	99
52) Toluene	10.38	92	411428	49.486	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	205756	51.186	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	244490	50.023	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	115379	50.203	ug/l	99
56) Ethyl methacrylate	10.65	69	167400	55.655	ug/l	98
57) 1,3-Dichloropropane	10.93	76	206724	51.545	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	399446	286.866	ug/l	99
59) 2-Hexanone	10.96	43	369464	282.763	ug/l	99
60) Dibromochloromethane	11.13	129	135085	51.764	ug/l	100
61) 1,2-Dibromoethane	11.23	107	114631	52.459	ug/l	99
64) Tetrachloroethene	10.86	164	158982	50.717	ug/l	97
65) Chlorobenzene	11.66	112	422993	49.030	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	151516	51.407	ug/l	100
67) Ethyl Benzene	11.73	91	792511	50.699	ug/l	100
68) m/p-Xylenes	11.83	106	603456	101.308	ug/l	99
69) o-Xylene	12.16	106	278418	50.274	ug/l	98
70) Styrene	12.18	104	484537	50.963	ug/l	100
71) Bromoform	12.35	173	86232	55.380	ug/l #	97
73) Isopropylbenzene	12.46	105	777259	49.675	ug/l	100
74) N-amyl acetate	12.27	43	189538	54.590	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	138942	53.096	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	176671	94.446	ug/l #	100
77) Bromobenzene	12.74	156	182452	49.206	ug/l	97
78) n-propylbenzene	12.80	91	915324	49.976	ug/l	100
79) 2-Chlorotoluene	12.89	91	506163	49.329	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	652529	49.611	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	45305	54.346	ug/l	99
82) 4-Chlorotoluene	12.99	91	530813	49.056	ug/l	99
83) tert-Butylbenzene	13.21	119	577486	50.023	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	648757	49.568	ug/l	100
85) sec-Butylbenzene	13.38	105	791140	49.707	ug/l	100
86) p-Isopropyltoluene	13.49	119	741717	50.244	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	348514	48.838	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	343628	49.099	ug/l	99
89) n-Butylbenzene	13.82	91	683340	50.695	ug/l	99
90) Hexachloroethane	14.09	117	125038	50.420	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	308044	49.897	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	22253	55.597	ug/l	97

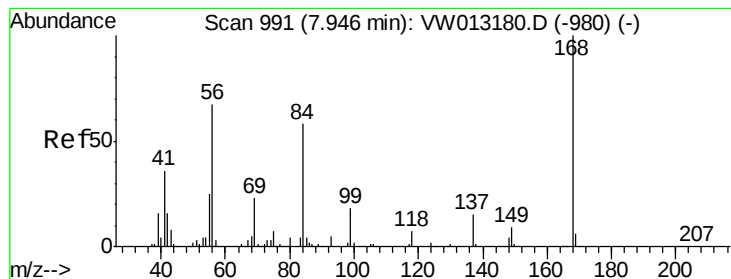
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	220273	49.792	ug/l	99
94) Hexachlorobutadiene	15.24	225	145711	48.144	ug/l	99
95) Naphthalene	15.36	128	403612	55.783	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	193341	50.579	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

Instrument :

MSVOA_W

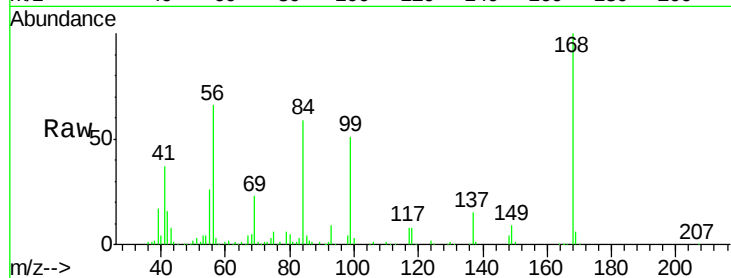
ClientSampleId :

Tot Ion:168 Resp: 337215

Ion Ratio Lower Upper

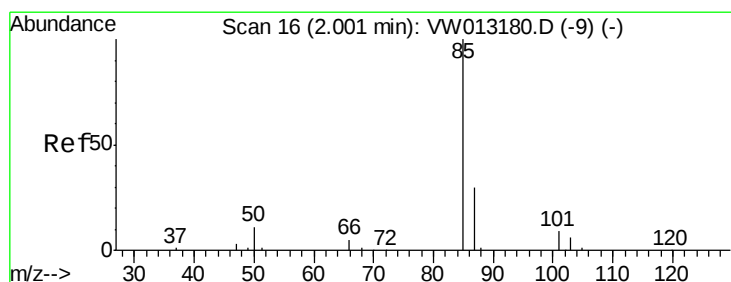
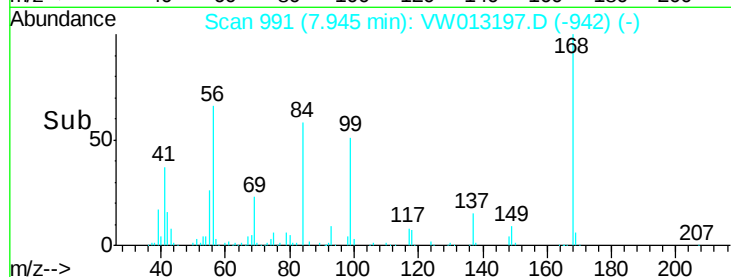
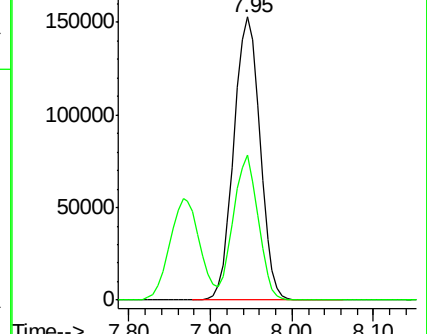
168 100

99 51.2 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 43.259 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.01 min

Lab File: VW013197.D

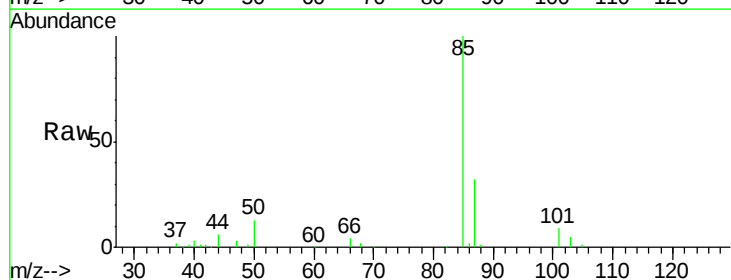
Acq: 20 Sep 2019 21:52

Tgt Ion: 85 Resp: 84147

Ion Ratio Lower Upper

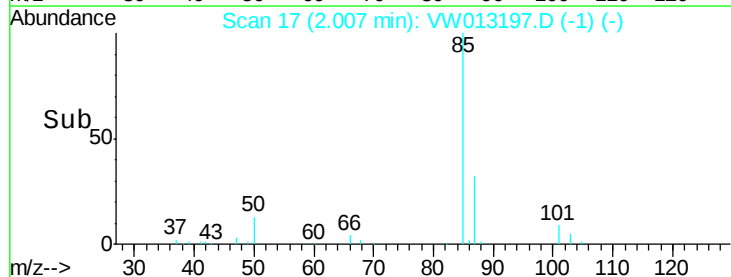
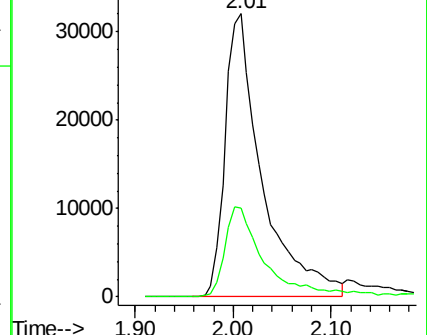
85 100

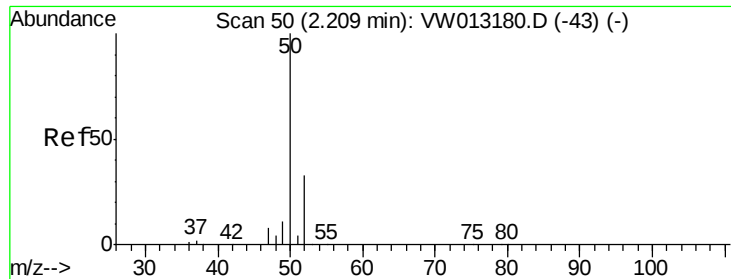
87 31.5 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 45.433 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

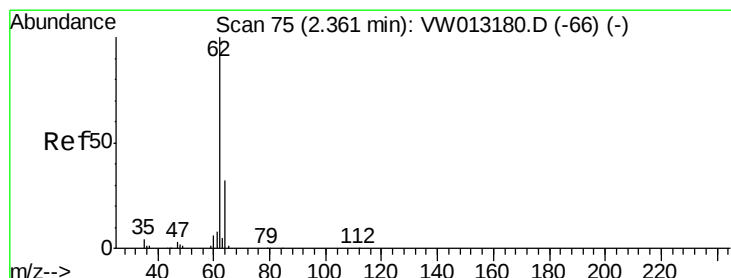
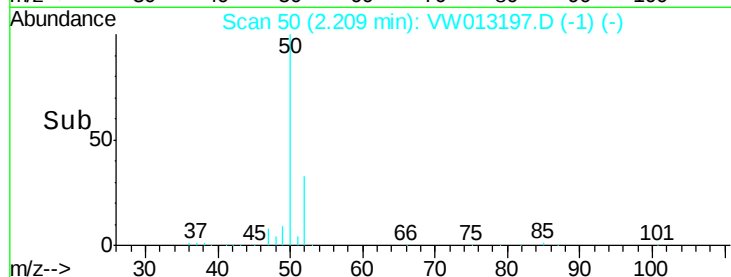
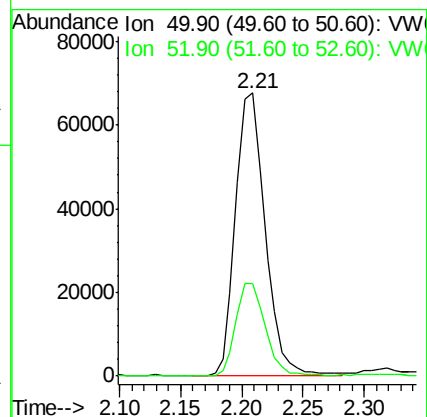
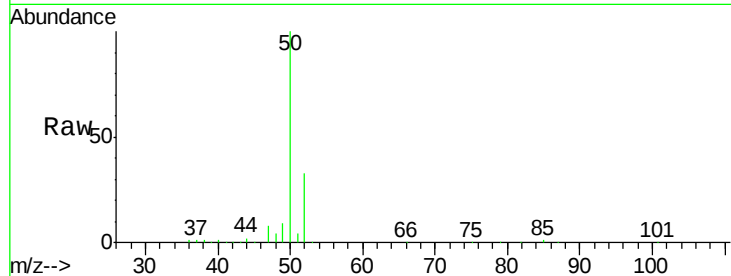
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 50 Resp: 113605

Ion Ratio Lower Upper

50 100

52 32.7 26.1 39.1



#4

Vinyl Chloride

Concen: 46.732 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW013197.D

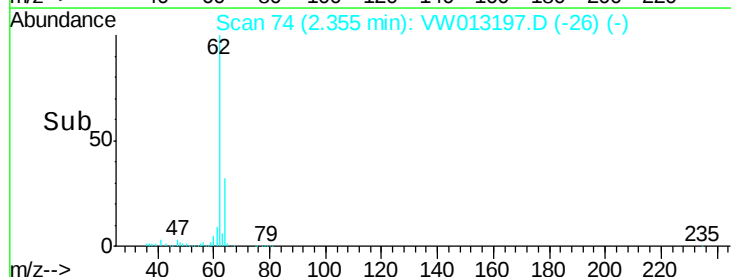
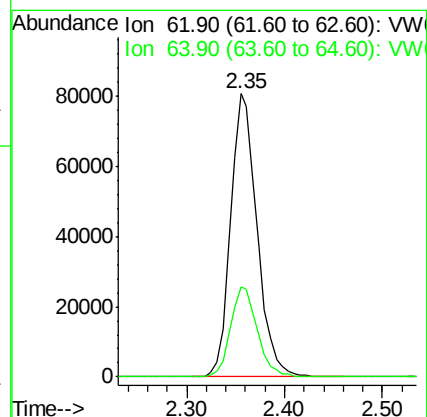
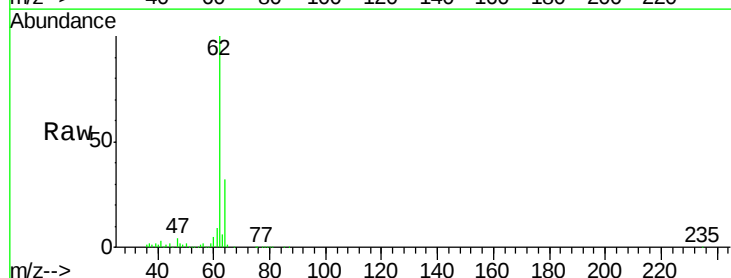
Acq: 20 Sep 2019 21:52

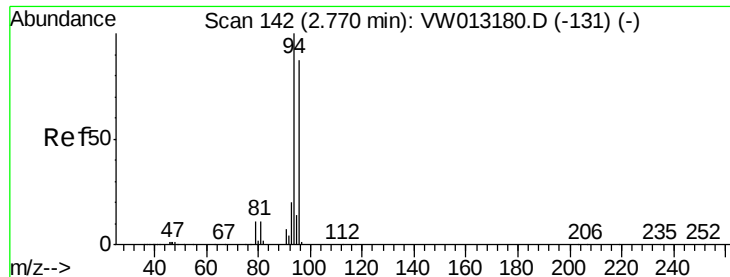
Tgt Ion: 62 Resp: 150645

Ion Ratio Lower Upper

62 100

64 31.8 25.3 37.9





#5

Bromomethane

Concen: 47.304 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

Instrument :

MSVOA_W

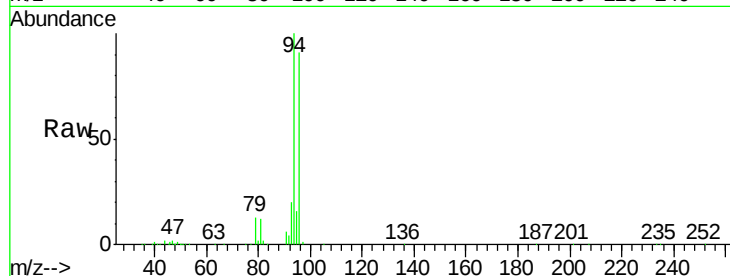
ClientSampleId :

Tot Ion: 94 Resp: 96635

Ion Ratio Lower Upper

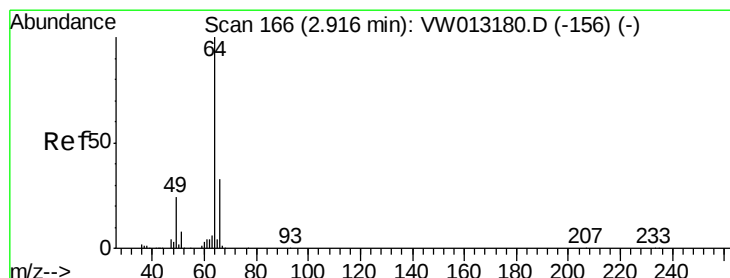
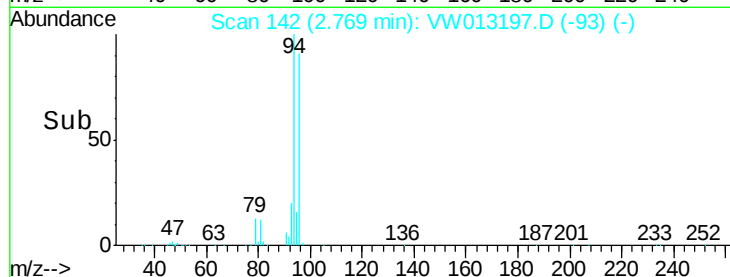
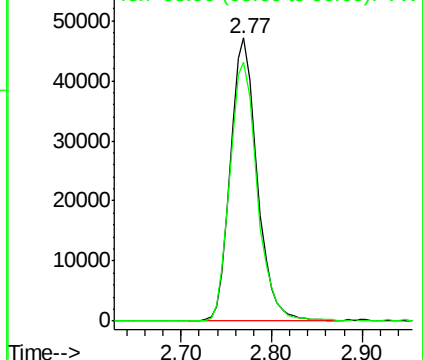
94 100

96 91.4 69.7 104.5



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 46.462 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW013197.D

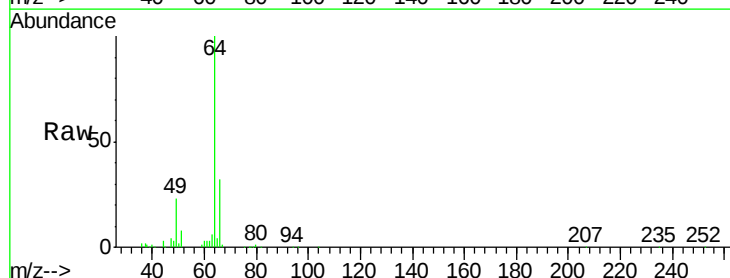
Acq: 20 Sep 2019 21:52

Tgt Ion: 64 Resp: 88285

Ion Ratio Lower Upper

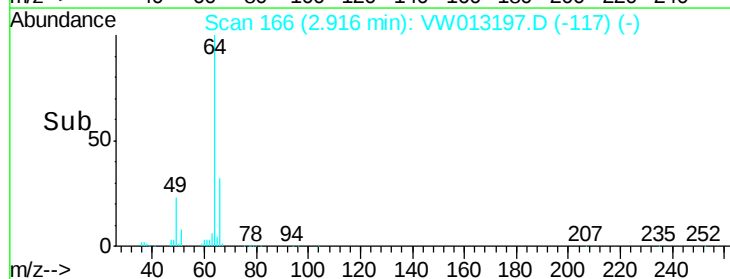
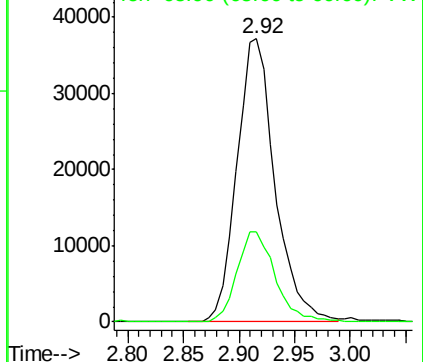
64 100

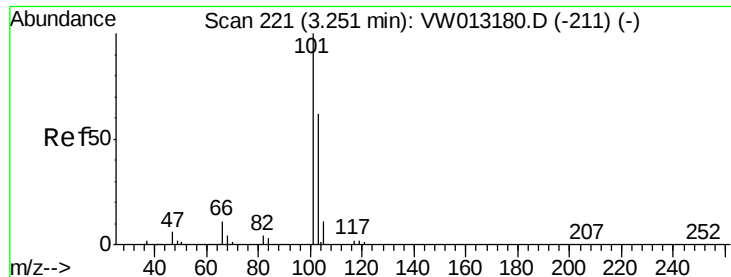
66 31.9 26.6 39.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



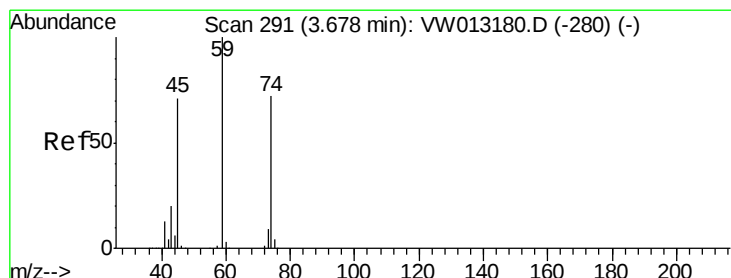
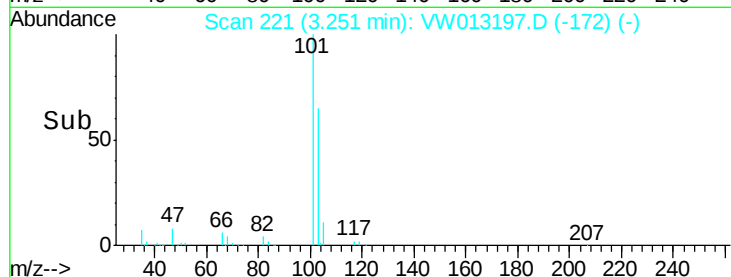
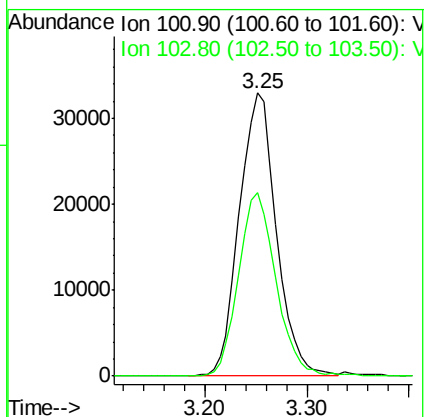
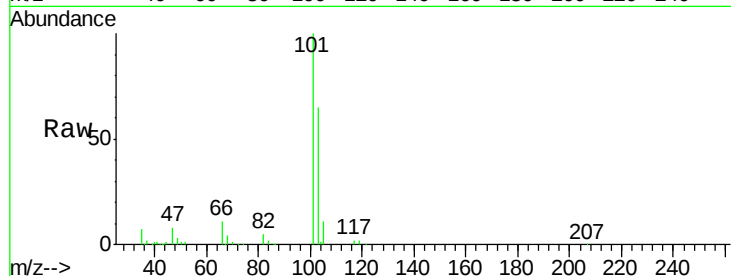


#7

Trichlorofluoromethane
Concen: 44.894 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

Instrument :
MSVOA_W
ClientSampled :

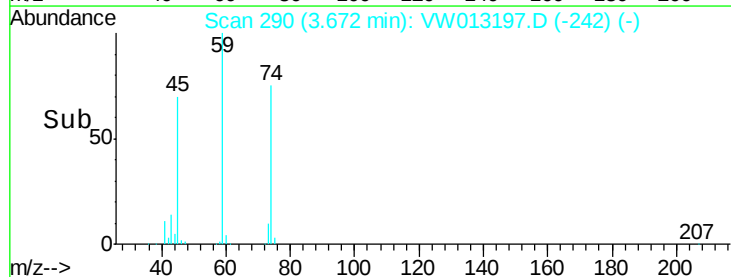
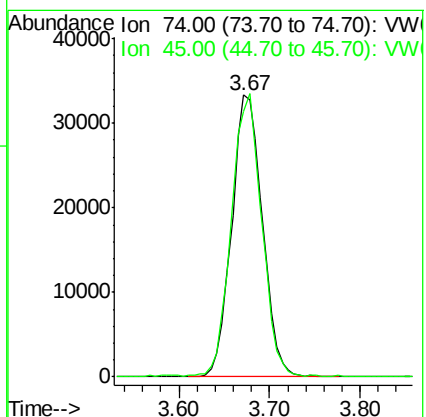
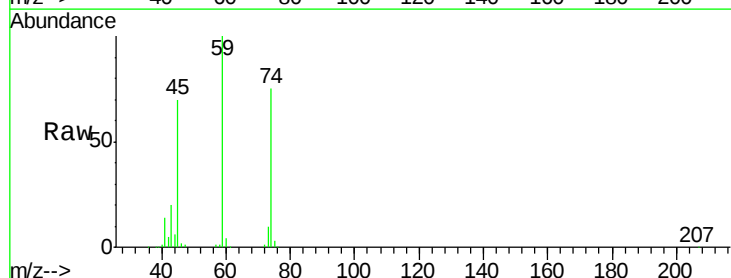
Tot Ion:101 Resp: 83450
Ion Ratio Lower Upper
101 100
103 64.7 49.7 74.5

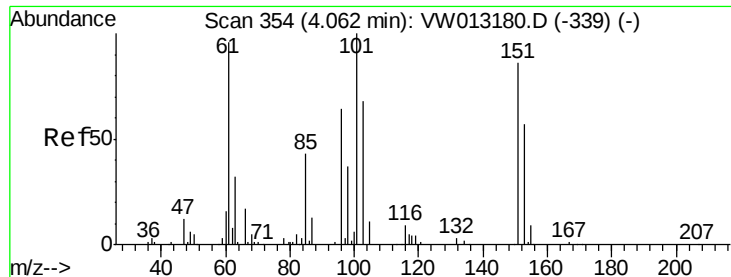


#8

Diethyl Ether
Concen: 49.335 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

Tgt Ion: 74 Resp: 78331
Ion Ratio Lower Upper
74 100
45 99.7 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.179 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

Instrument :

MSVOA_W

ClientSampled :

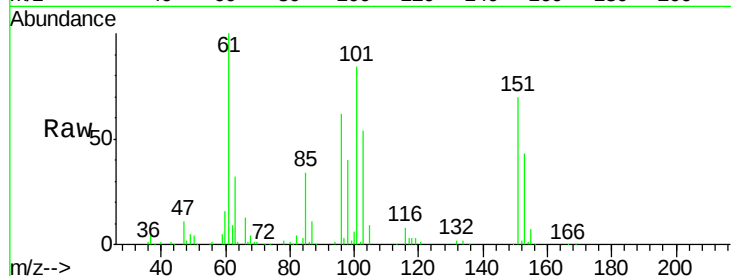
Tot Ion:101 Resp: 148829

Ion Ratio Lower Upper

101 100

85 41.0 33.4 50.0

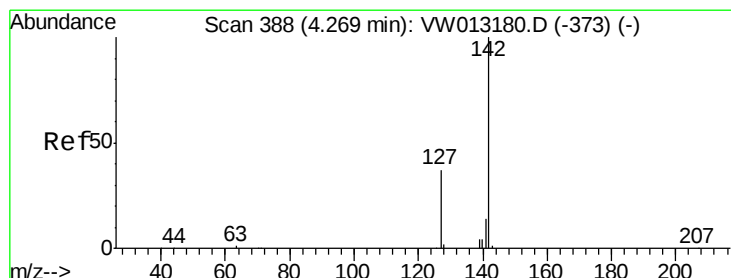
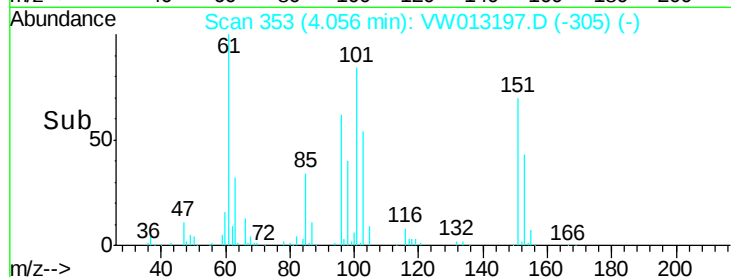
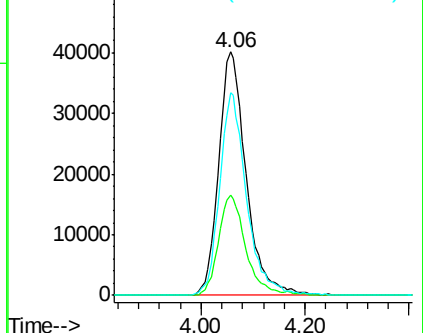
151 81.2 66.9 100.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.358 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

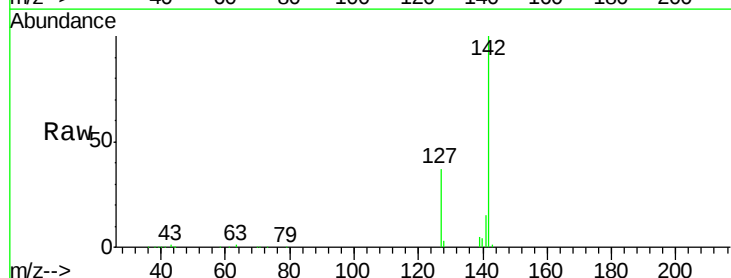
Tgt Ion:142 Resp: 222201

Ion Ratio Lower Upper

142 100

127 38.8 30.9 46.3

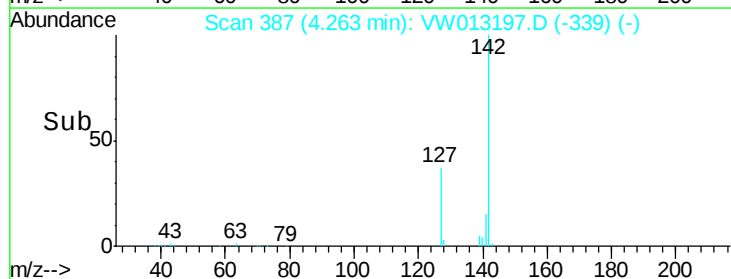
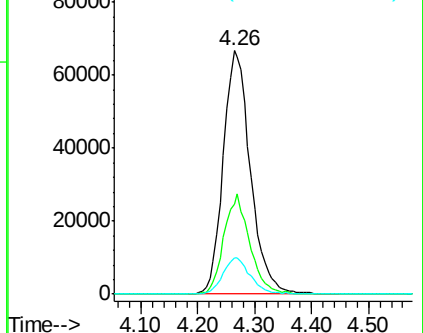
141 14.7 11.7 17.5

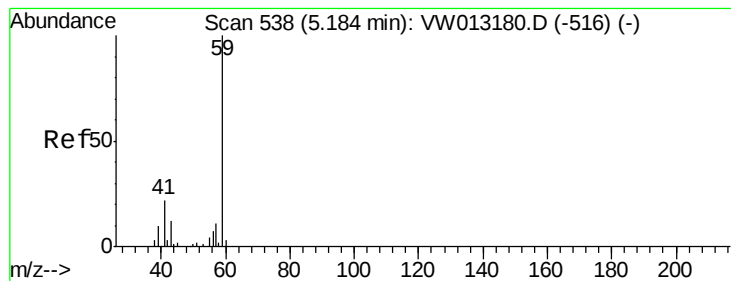


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



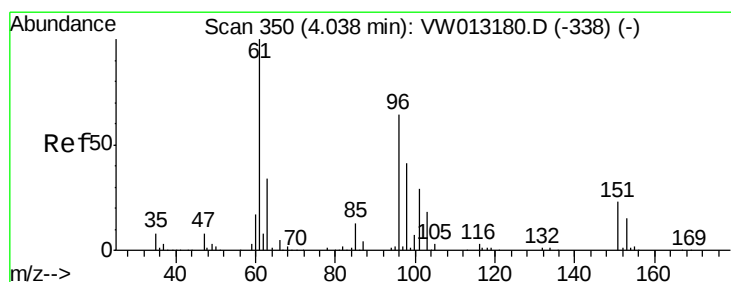
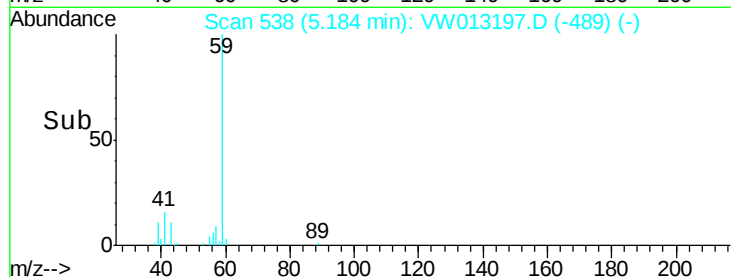
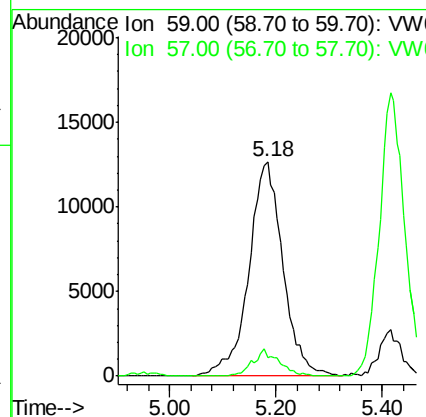
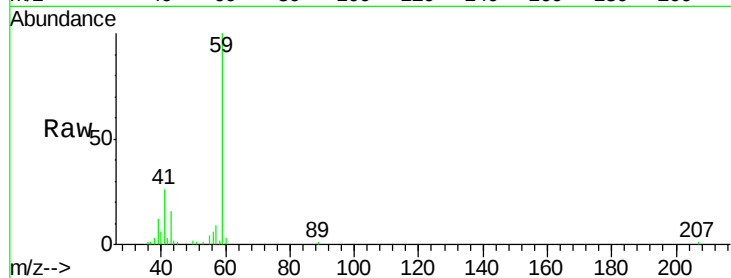


#11

Tert butyl alcohol
Concen: 284.041 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.00 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

Instrument :
MSVOA_W
ClientSampleId :

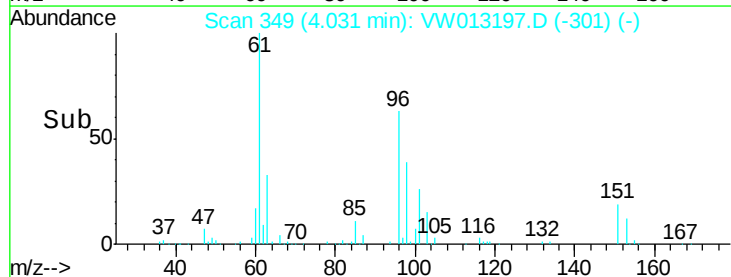
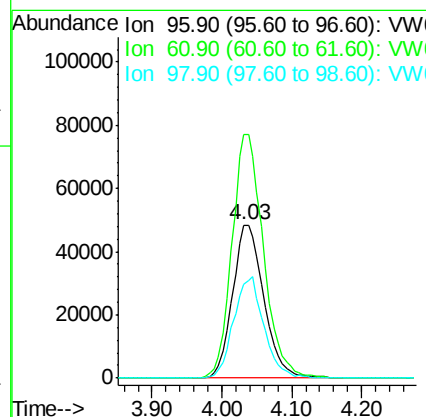
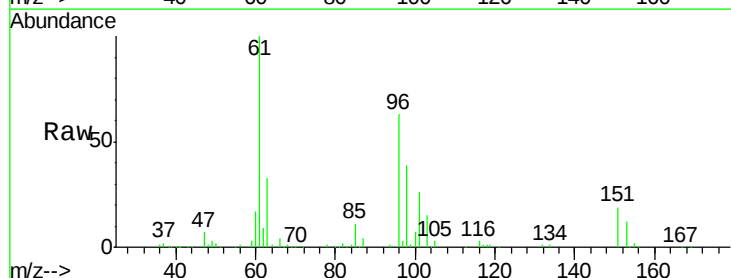
Tot Ion: 59 Resp: 56001
Ion Ratio Lower Upper
59 100
57 9.6 8.2 12.2

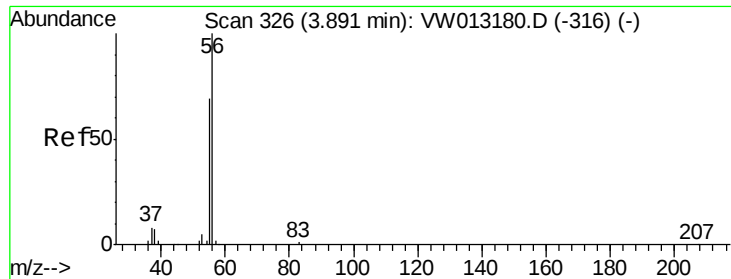


#12

1,1-Dichloroethene
Concen: 47.964 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

Tgt Ion: 96 Resp: 150310
Ion Ratio Lower Upper
96 100
61 159.4 125.1 187.7
98 61.6 50.8 76.2





#13

Acrolein

Concen: 281.829 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

Instrument :

MSVOA_W

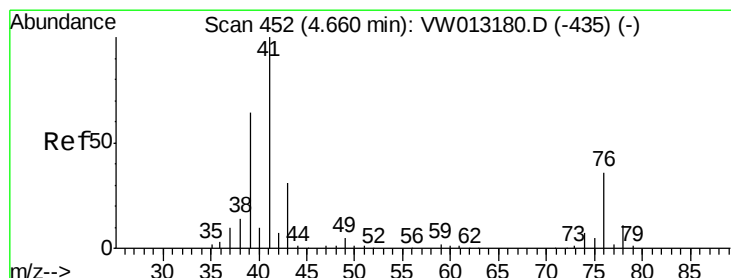
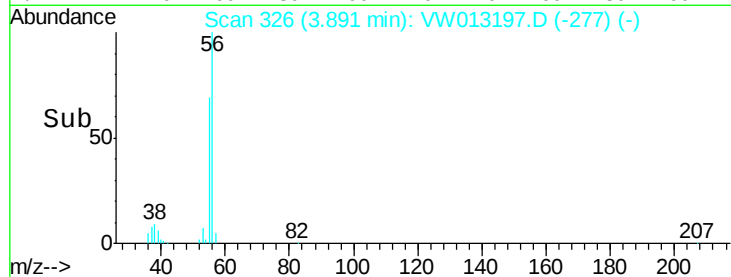
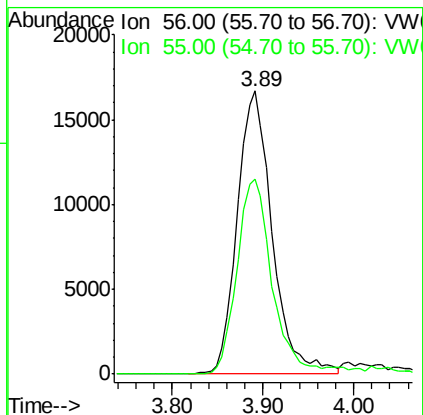
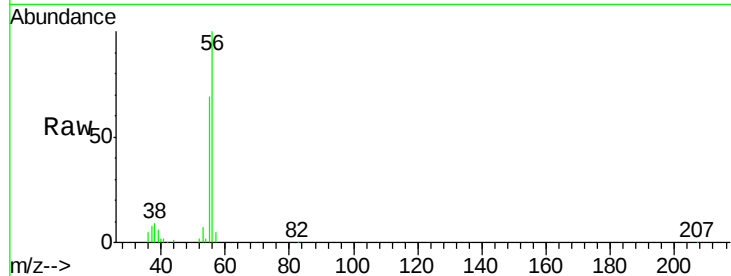
ClientSampleId :

Tot Ion: 56 Resp: 44650

Ion Ratio Lower Upper

56 100

55 68.6 55.4 83.0



#14

Allyl chloride

Concen: 48.240 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

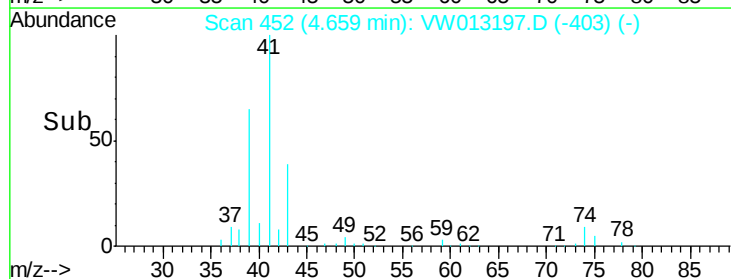
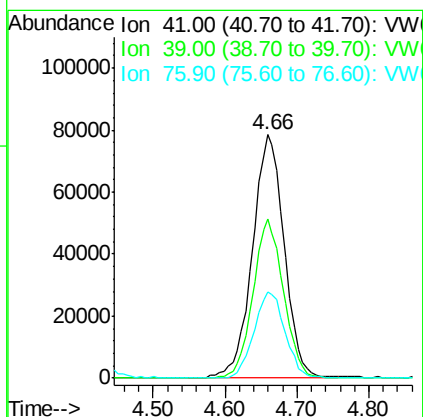
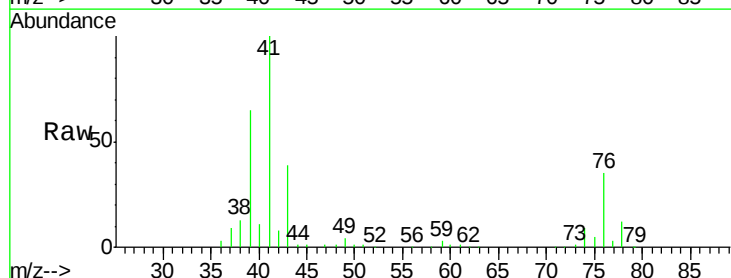
Tgt Ion: 41 Resp: 240592

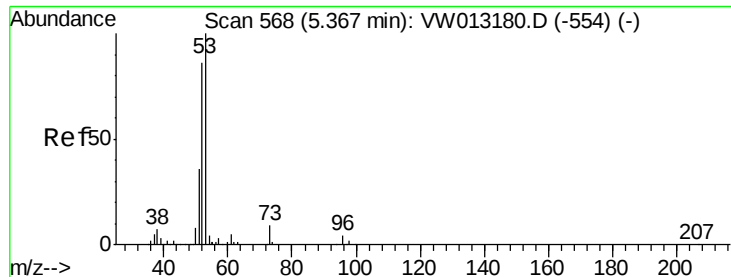
Ion Ratio Lower Upper

41 100

39 62.7 51.0 76.4

76 34.5 28.4 42.6





#15

Acrylonitrile

Concen: 275.159 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

Instrument :

MSVOA_W

ClientSampleId :

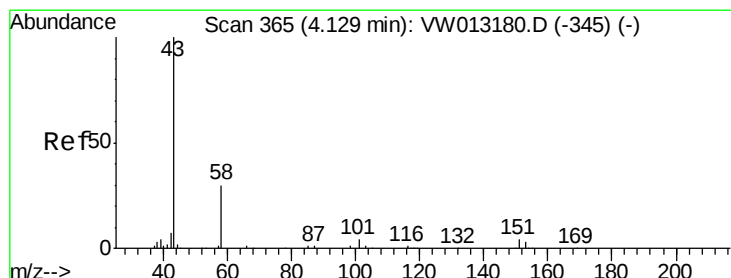
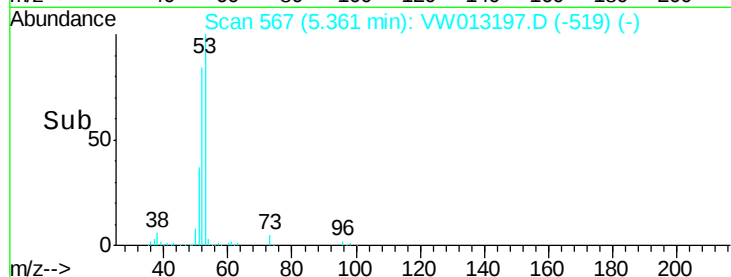
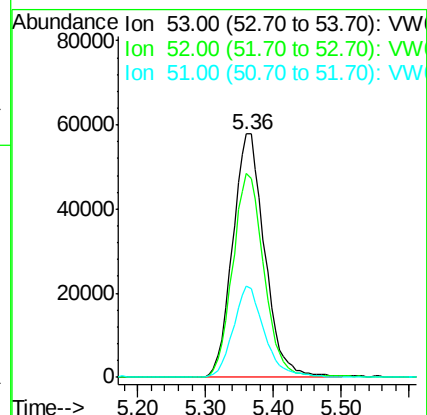
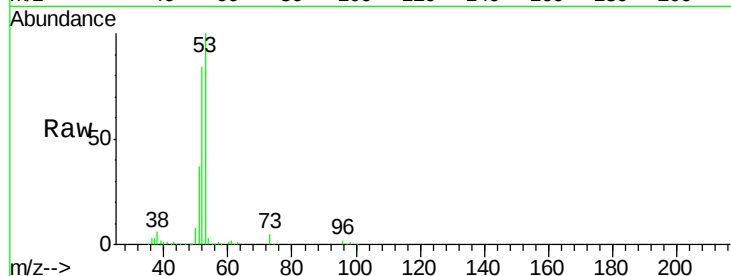
Tot Ion: 53 Resp: 188565

Ion Ratio Lower Upper

53 100

52 82.1 65.3 97.9

51 36.6 29.0 43.4



#16

Acetone

Concen: 252.097 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW013197.D

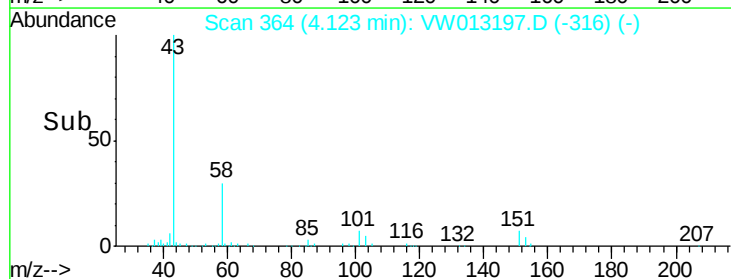
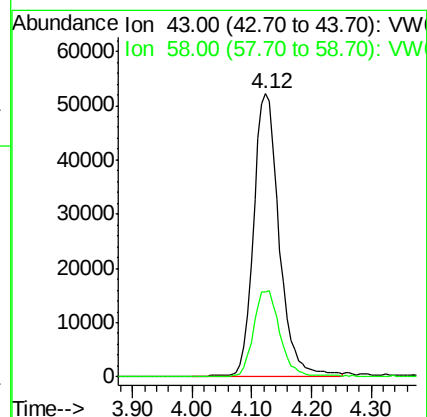
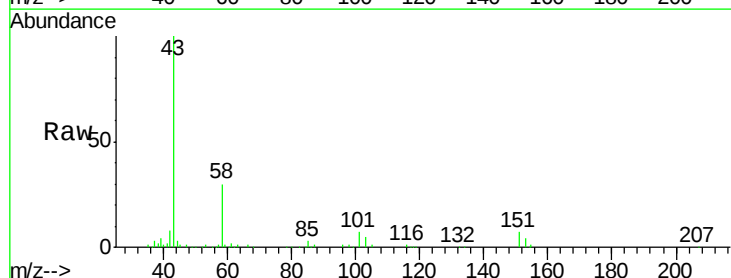
Acq: 20 Sep 2019 21:52

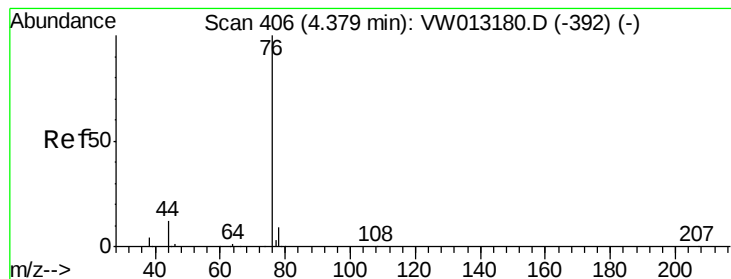
Tgt Ion: 43 Resp: 156463

Ion Ratio Lower Upper

43 100

58 30.0 24.1 36.1





#17

Carbon Disulfide

Concen: 48.665 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

Instrument :

MSVOA_W

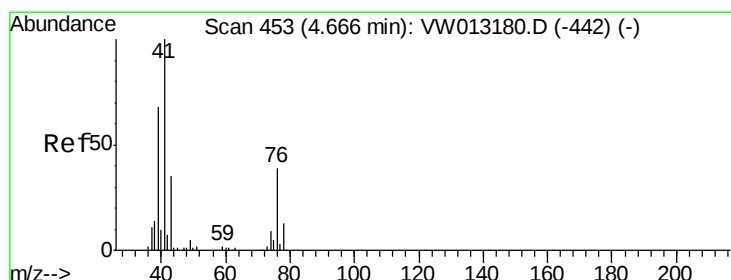
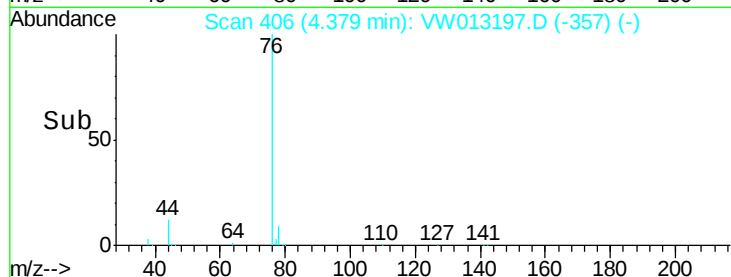
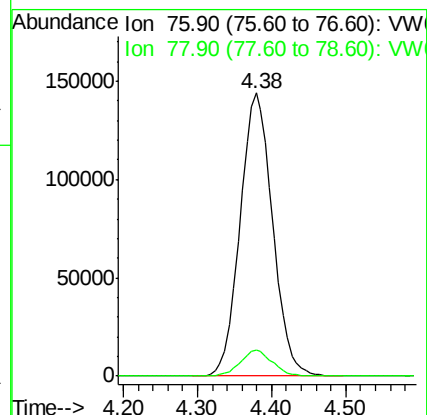
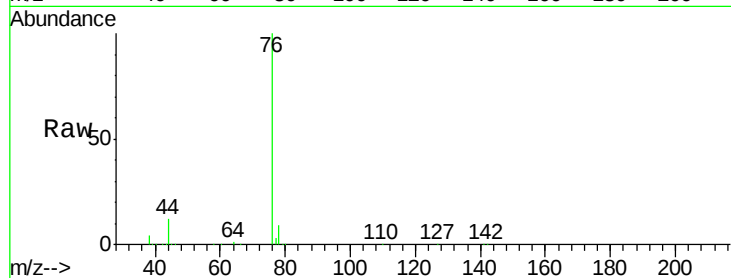
ClientSampled :

Tot Ion: 76 Resp: 440801

Ion Ratio Lower Upper

76 100

78 9.4 7.0 10.4



#18

Methyl Acetate

Concen: 54.830 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW013197.D

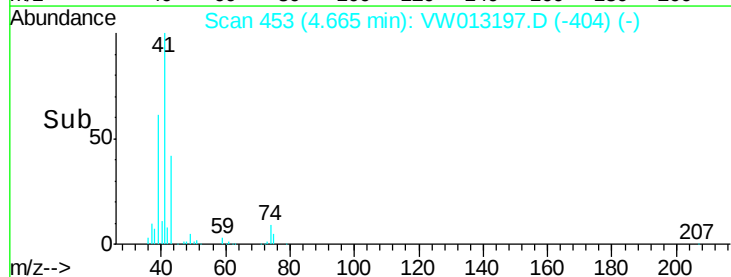
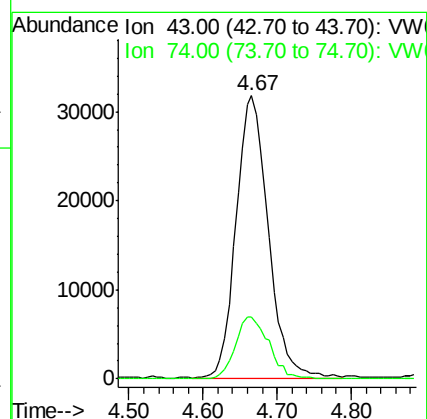
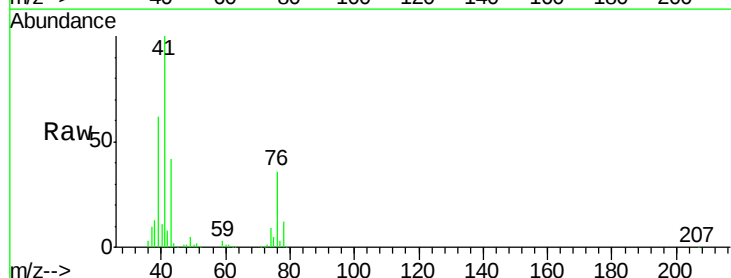
Acq: 20 Sep 2019 21:52

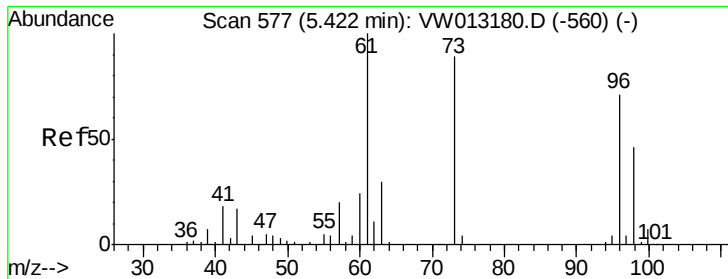
Tgt Ion: 43 Resp: 95658

Ion Ratio Lower Upper

43 100

74 22.9 19.3 28.9

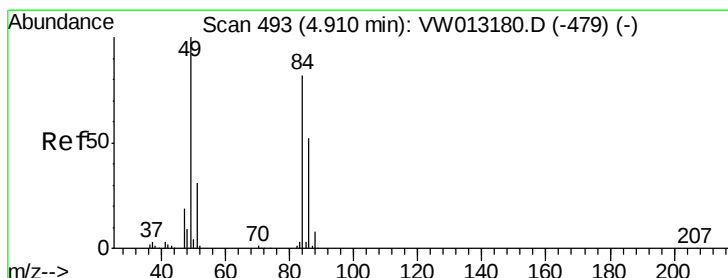
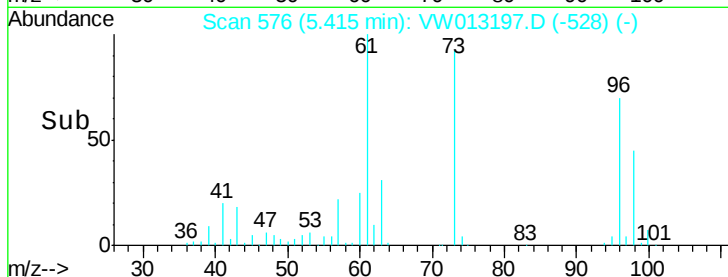
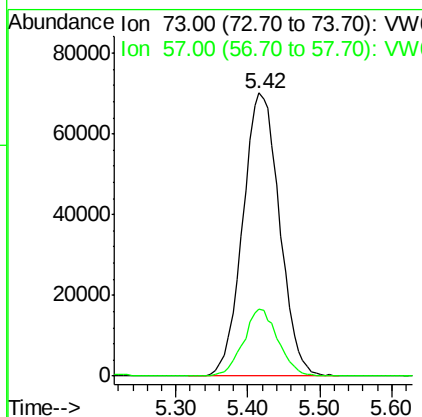
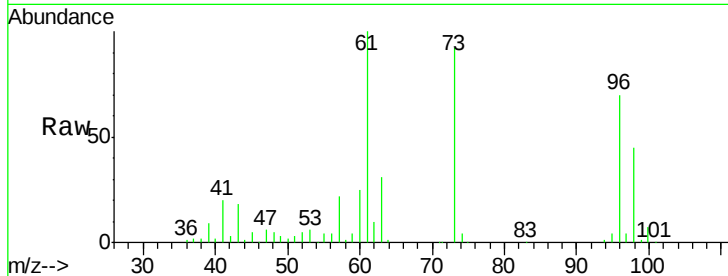




#19
Methyl tert-butyl Ether
Concen: 51.680 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

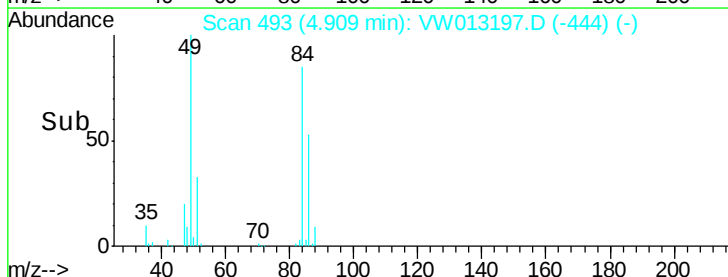
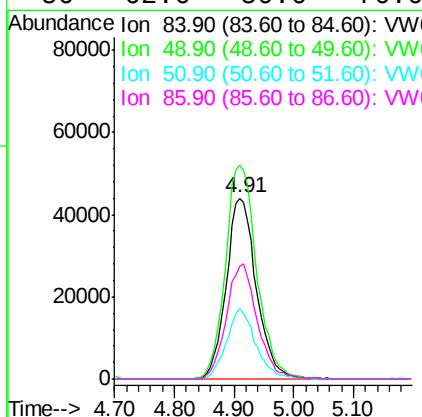
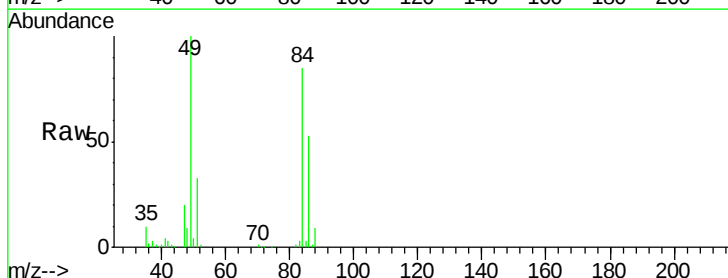
Instrument :
MSVOA_W
ClientSampleId :

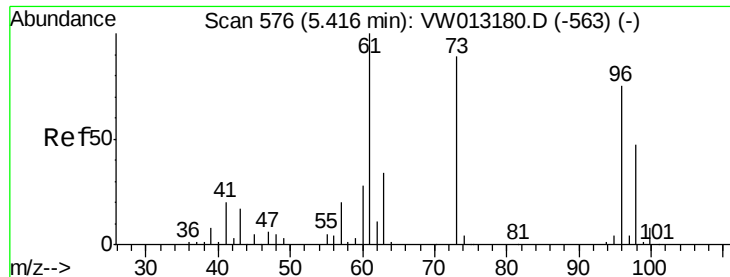
Tot Ion: 73 Resp: 248212
Ion Ratio Lower Upper
73 100
57 23.9 17.6 26.4



#20
Methylene Chloride
Concen: 48.650 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

Tgt Ion: 84 Resp: 154670
Ion Ratio Lower Upper
84 100
49 118.0 97.6 146.4
51 39.1 30.2 45.2
86 62.6 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 48.628 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

Instrument :

MSVOA_W

ClientSampled :

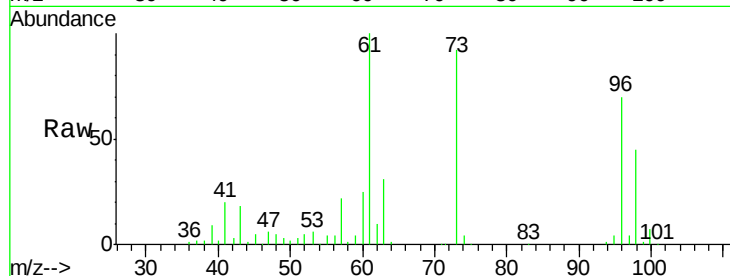
Tot Ion: 96 Resp: 164708

Ion Ratio Lower Upper

96 100

61 142.1 106.6 159.8

98 64.0 49.8 74.8

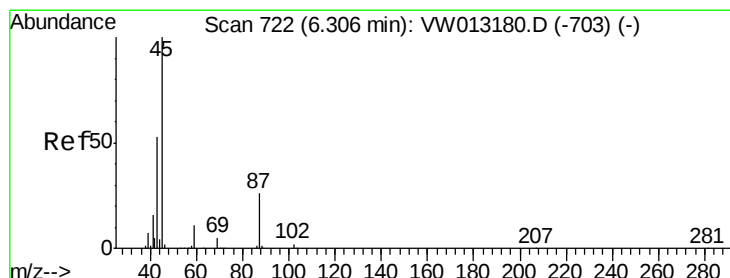
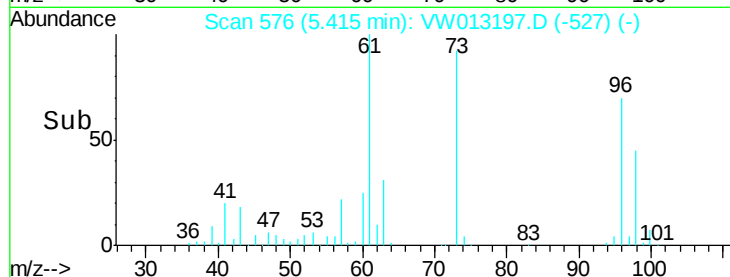
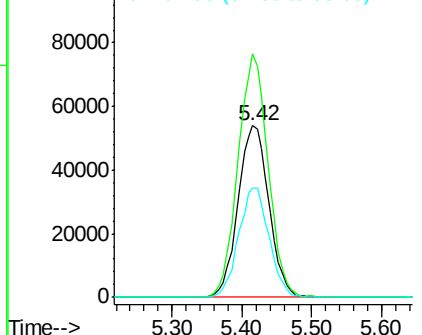


Abundance

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: 49.729 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

Tgt Ion: 45 Resp: 471637

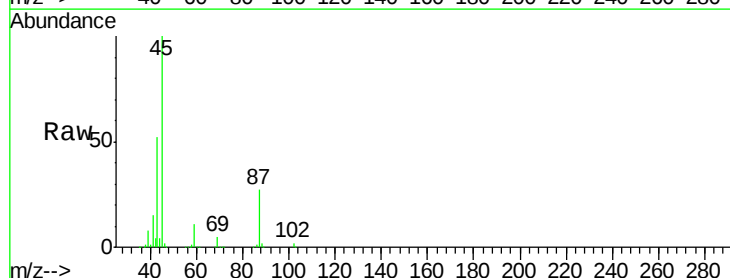
Ion Ratio Lower Upper

45 100

43 51.7 42.4 63.6

87 26.7 20.4 30.6

59 10.7 8.8 13.2



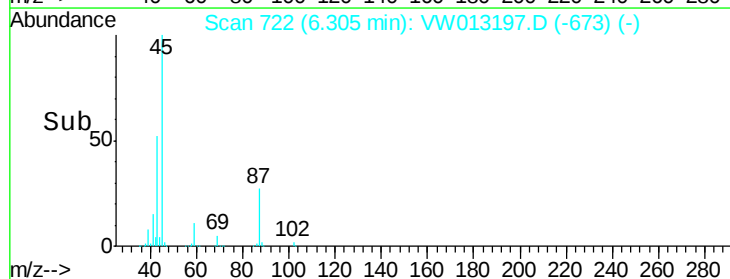
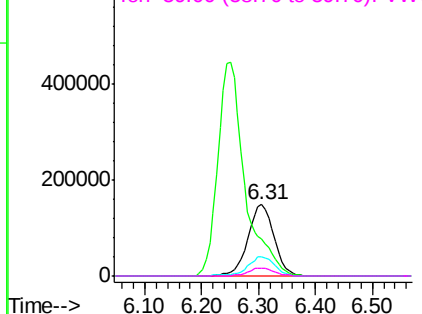
Abundance

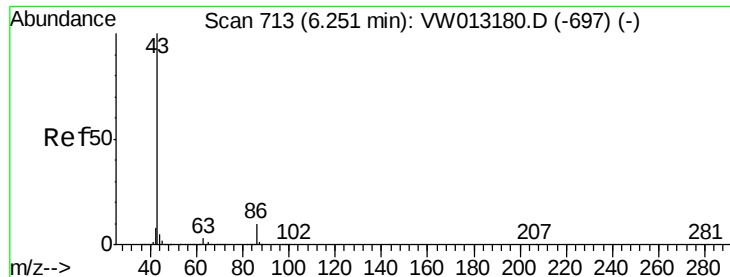
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 261.364 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

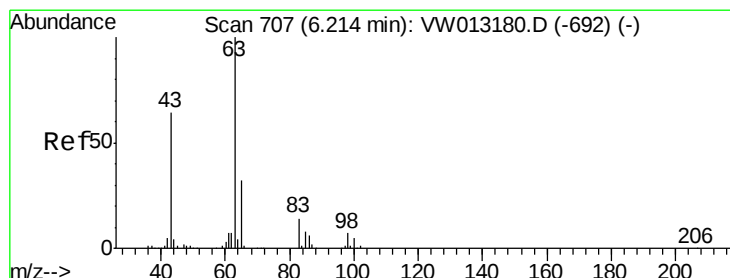
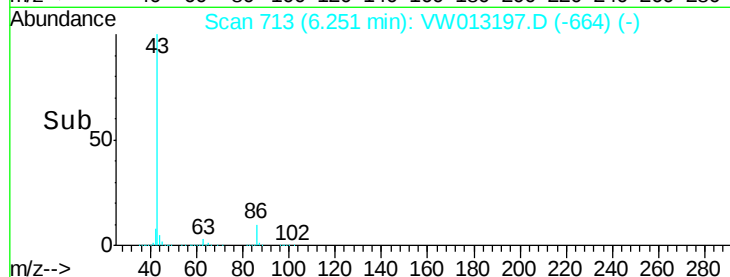
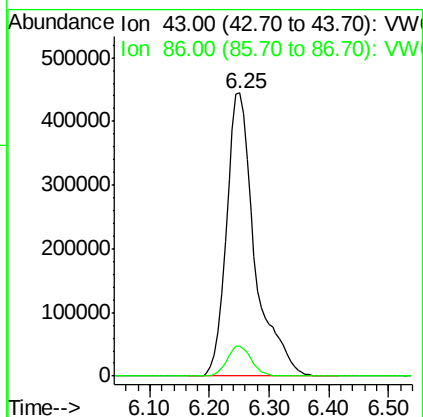
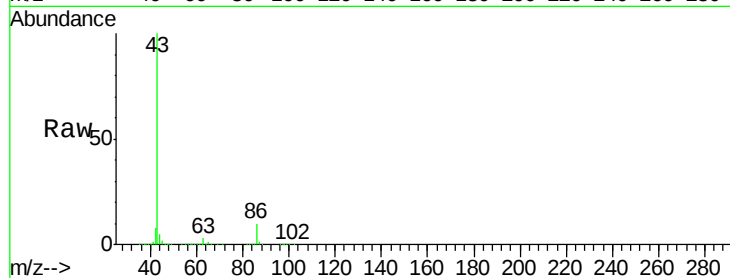
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 1470551

Ion Ratio Lower Upper

43 100

86 10.4 8.3 12.5



#24

1,1-Dichloroethane

Concen: 48.359 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

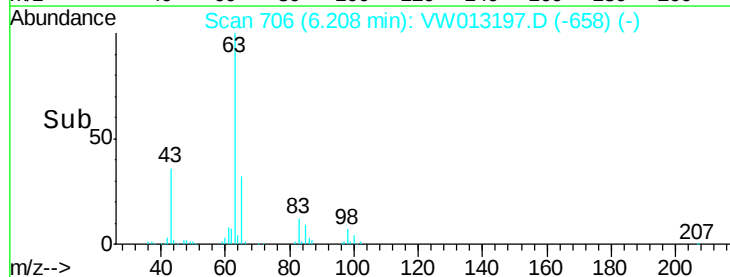
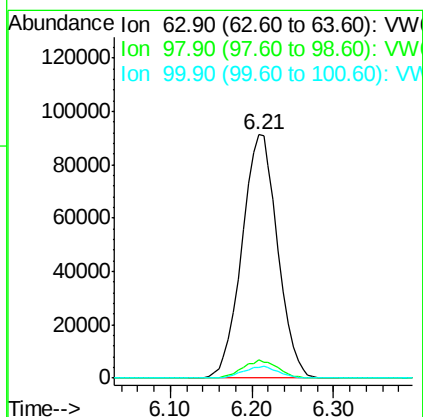
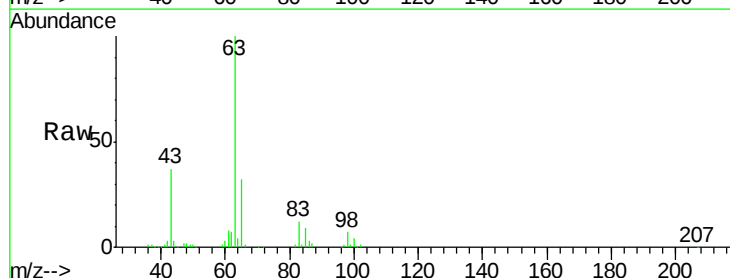
Tgt Ion: 63 Resp: 276757

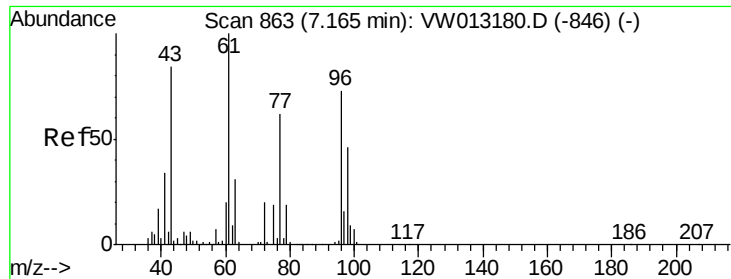
Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.5

100 4.4 2.4 7.1





#25

2-Butanone

Concen: 268.164 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

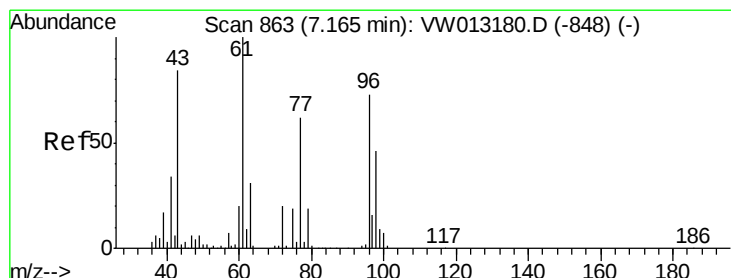
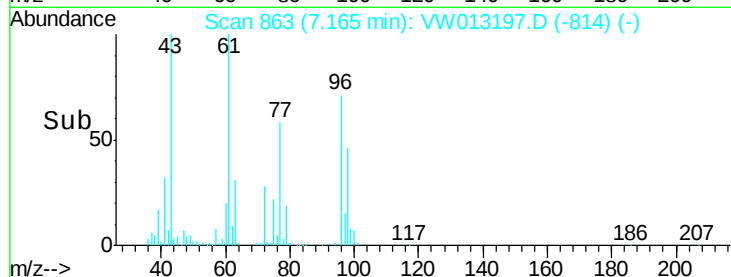
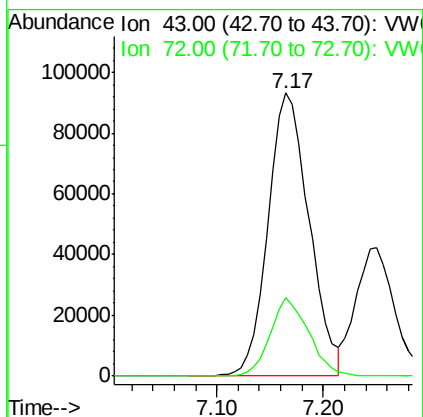
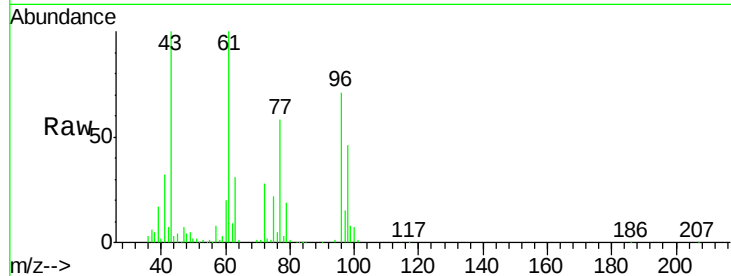
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 249846

Ion Ratio Lower Upper

43 100

72 27.7 19.4 29.0



#26

2,2-Dichloropropane

Concen: 47.686 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW013197.D

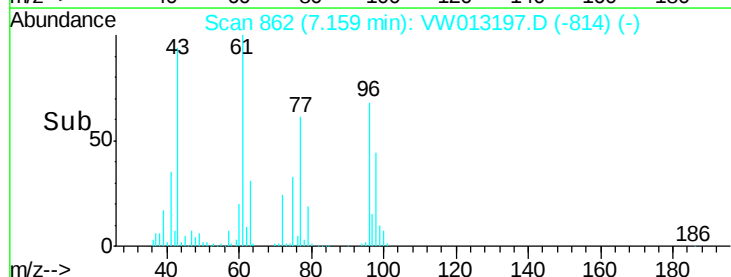
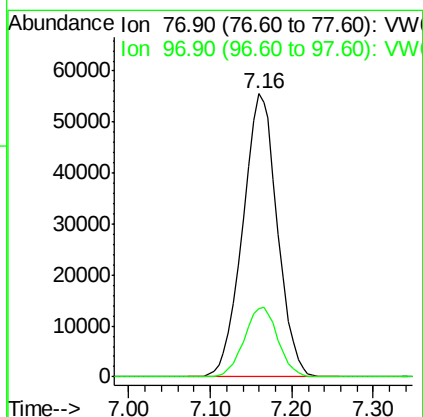
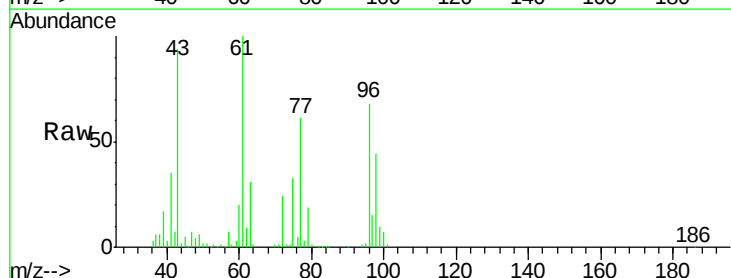
Acq: 20 Sep 2019 21:52

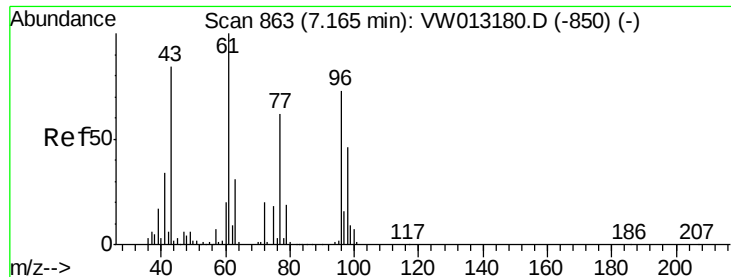
Tgt Ion: 77 Resp: 163815

Ion Ratio Lower Upper

77 100

97 24.0 11.8 35.4



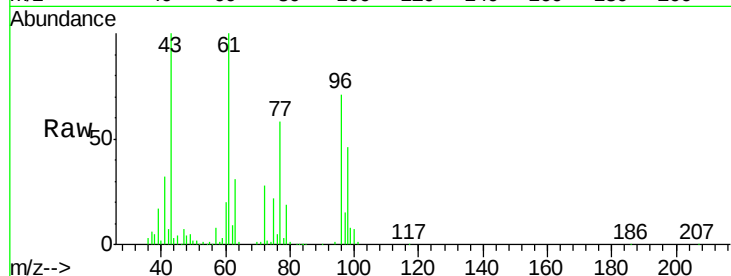


#27

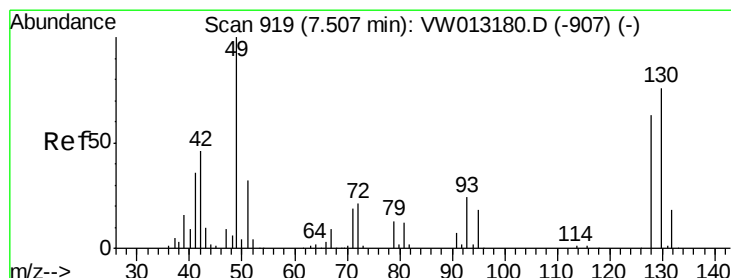
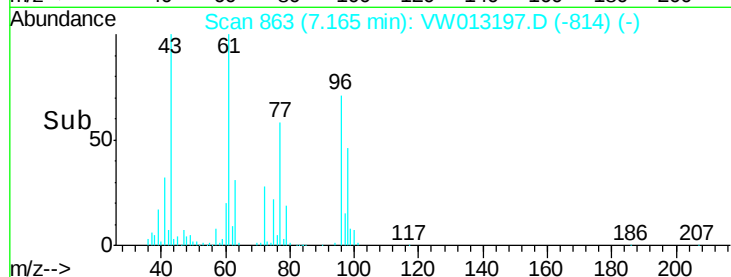
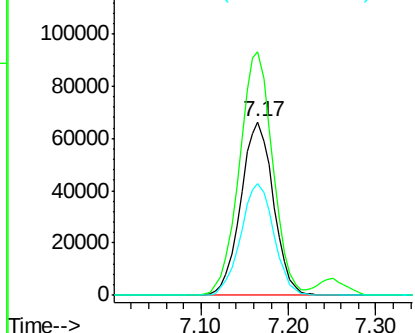
cis-1,2-Dichloroethene
Concen: 48.090 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 96 Resp: 171895
Ion Ratio Lower Upper
96 100
61 143.5 0.0 282.4
98 65.4 0.0 128.2



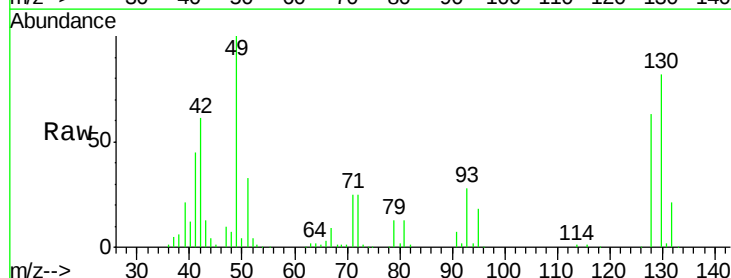
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



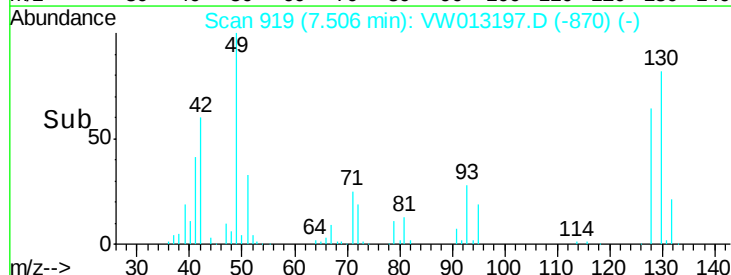
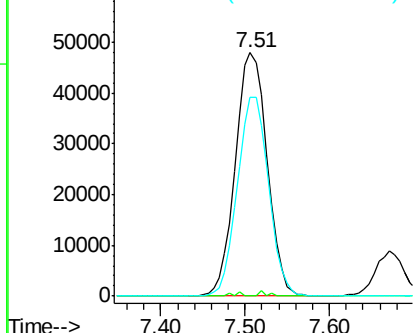
#28

Bromochloromethane
Concen: 55.646 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

Tgt Ion: 49 Resp: 122226
Ion Ratio Lower Upper
49 100
129 0.5 0.0 1.0
130 80.2 63.4 95.2



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

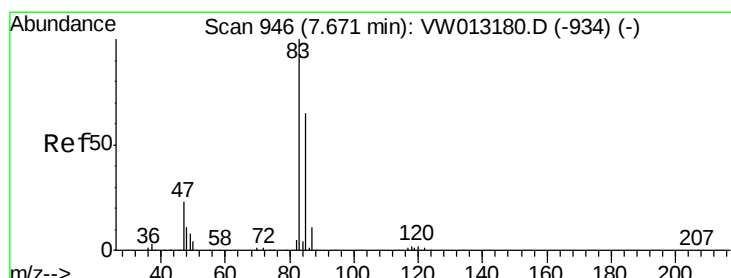
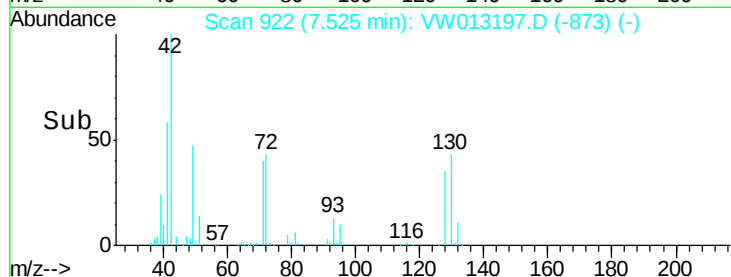
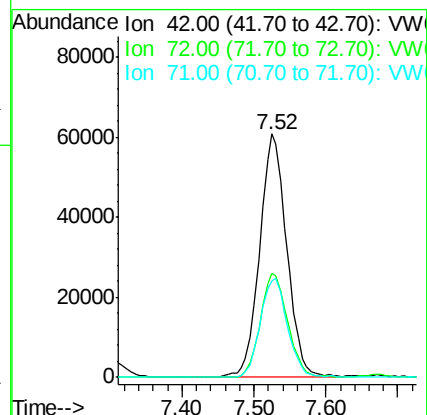
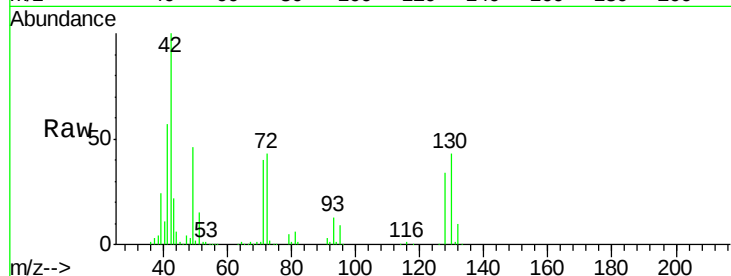




#29
Tetrahydrofuran
Concen: 279.297 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

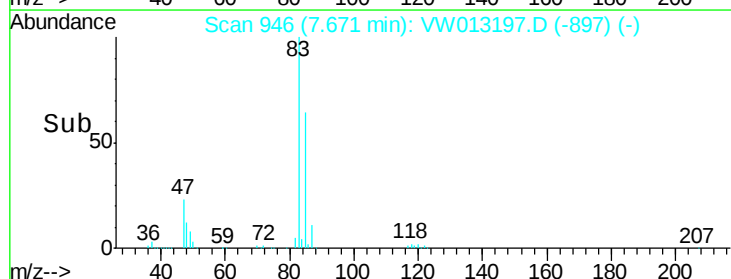
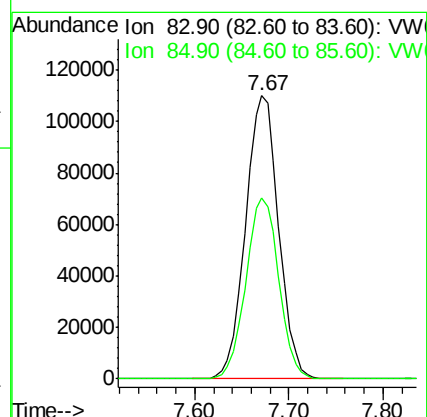
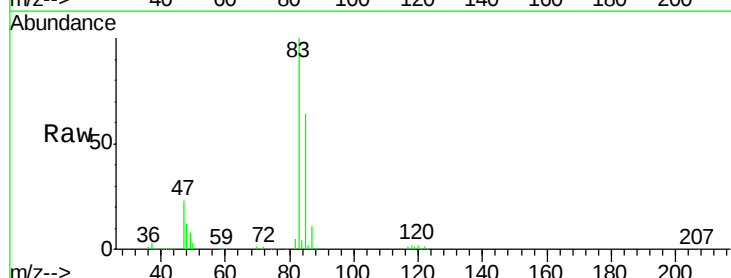
Instrument :
MSVOA_W
ClientSampled :

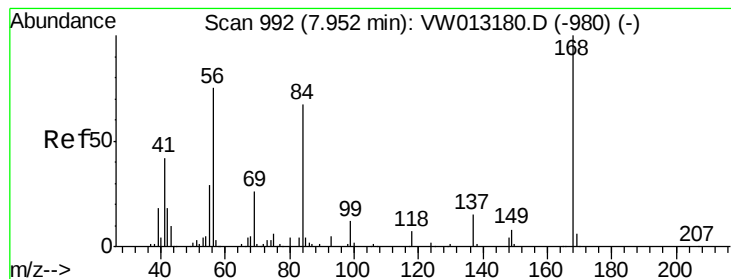
Tot Ion	Ratio	Lower	Upper
42	100		
72	43.0	33.9	50.9
71	40.5	31.9	47.9



#30
Chloroform
Concen: 48.029 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.3	78.5





#31

Cyclohexane

Concen: 47.295 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

Instrument :

MSVOA_W

ClientSampleId :

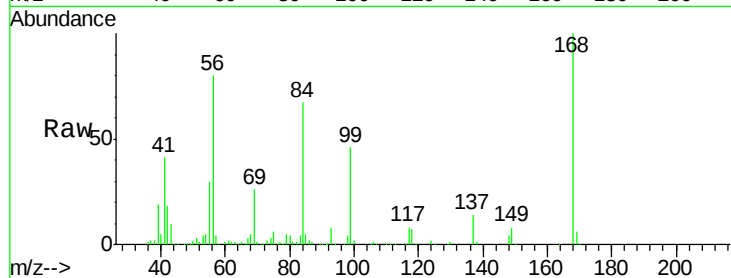
Tot Ion: 56 Resp: 282142

Ion Ratio Lower Upper

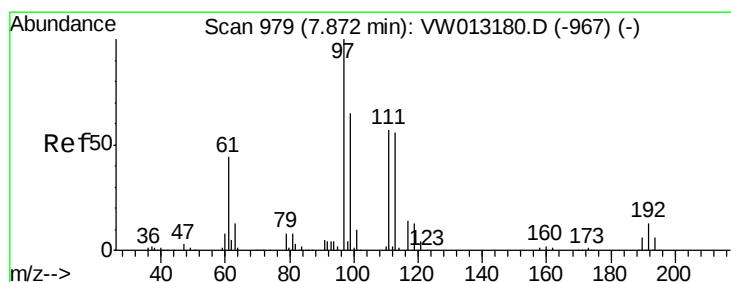
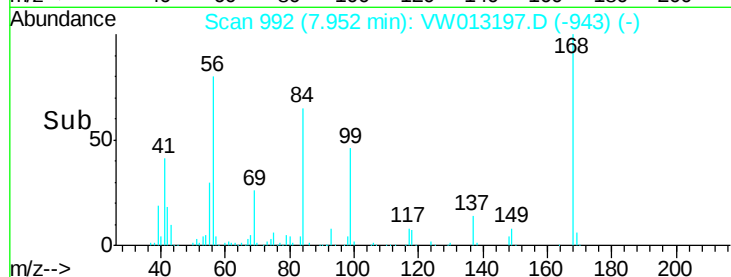
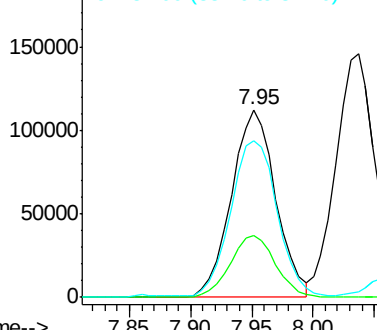
56 100

69 33.0 27.2 40.8

84 82.3 70.8 106.2



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



#32

1,1,1-Trichloroethane

Concen: 48.799 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

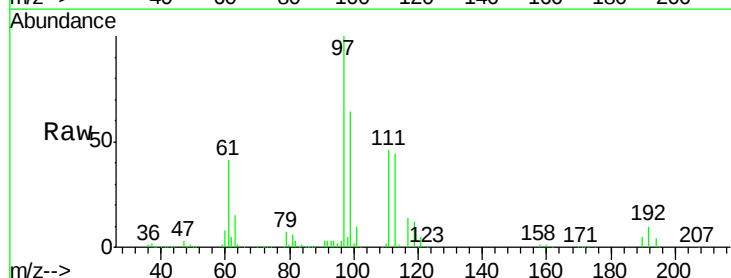
Tgt Ion: 97 Resp: 221451

Ion Ratio Lower Upper

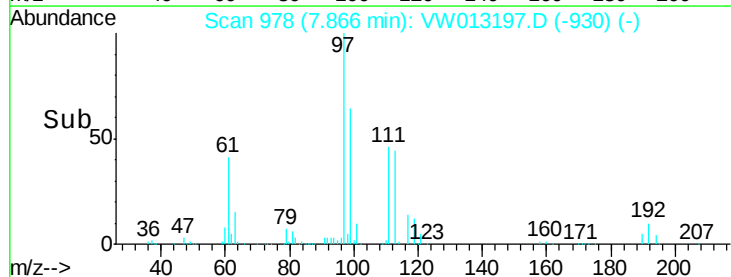
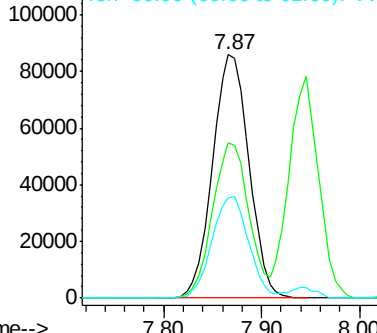
97 100

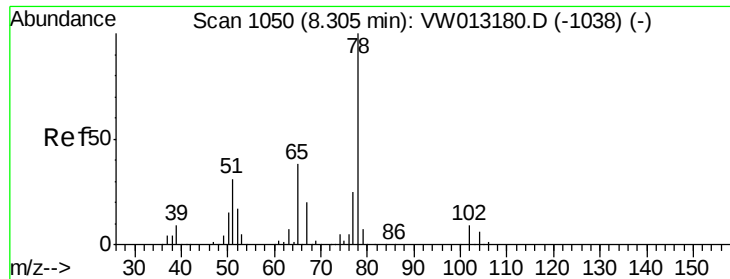
99 64.1 51.7 77.5

61 42.1 34.6 51.8



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW





#33

1,2-Dichloroethane-d4

Concen: 53.481 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

Instrument :

MSVOA_W

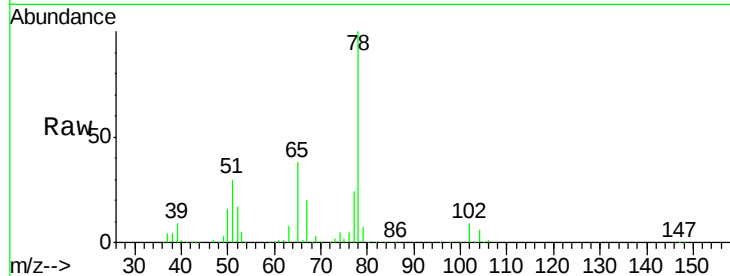
ClientSampleId :

Tot Ion: 65 Resp: 147189

Ion Ratio Lower Upper

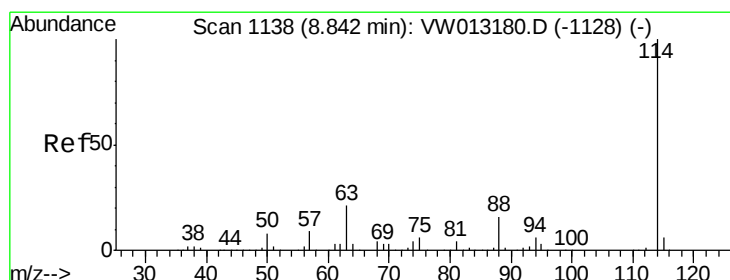
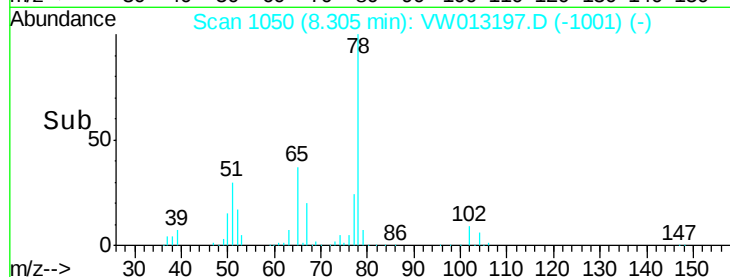
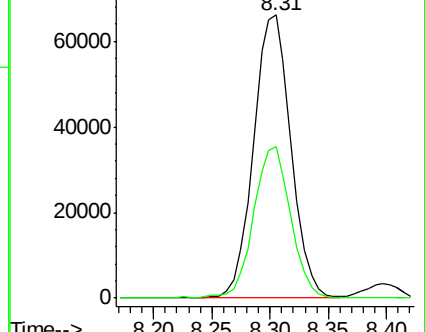
65 100

67 53.3 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

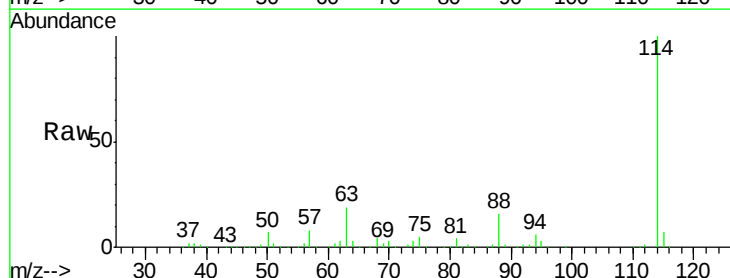
Tgt Ion: 114 Resp: 480172

Ion Ratio Lower Upper

114 100

63 19.0 0.0 41.4

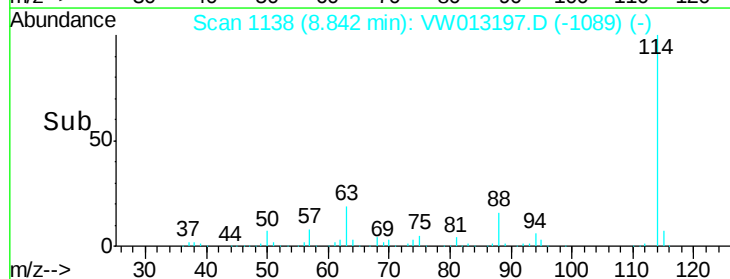
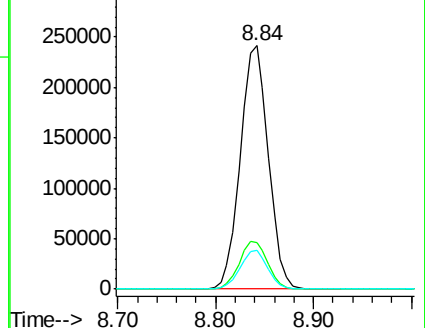
88 15.8 0.0 32.0

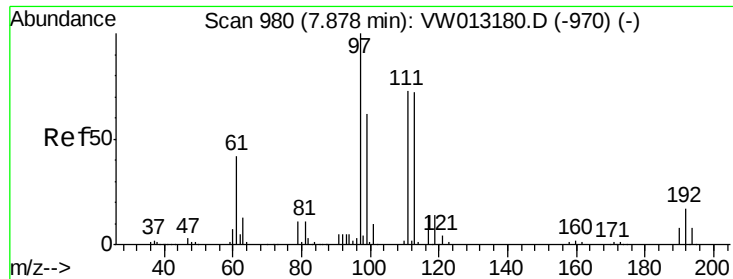


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

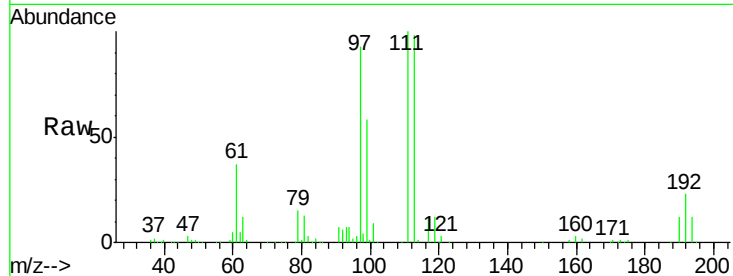




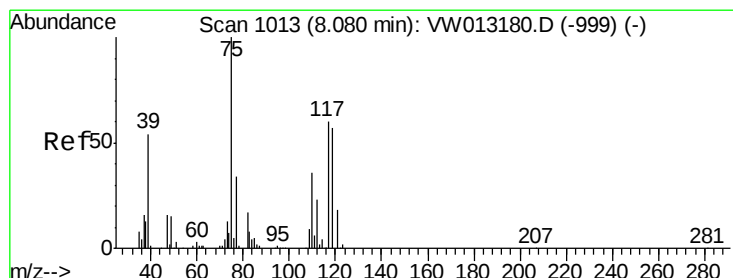
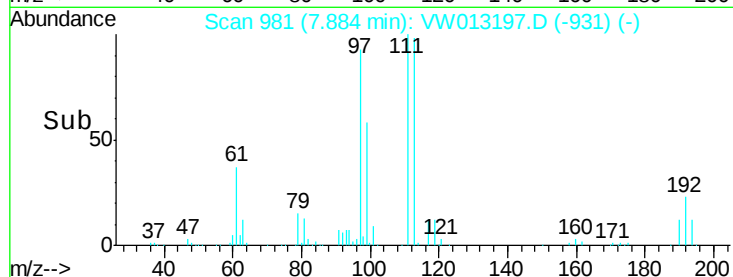
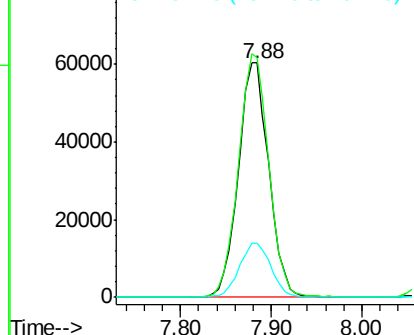
#35
Dibromofluoromethane
Concen: 53.143 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.01 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:113 Resp: 140349
Ion Ratio Lower Upper
113 100
111 103.6 81.9 122.9
192 23.9 19.1 28.7

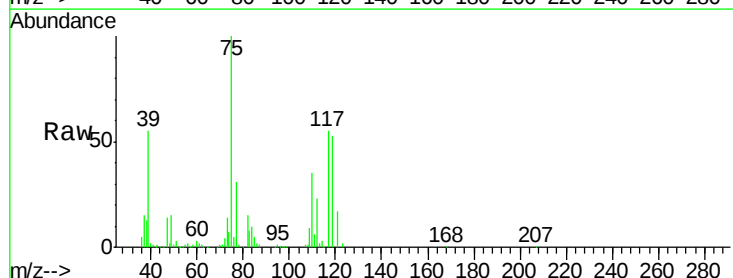


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

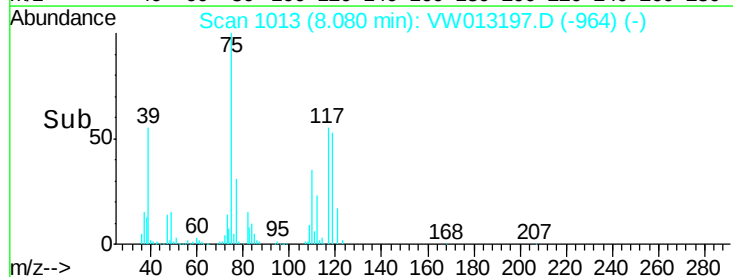
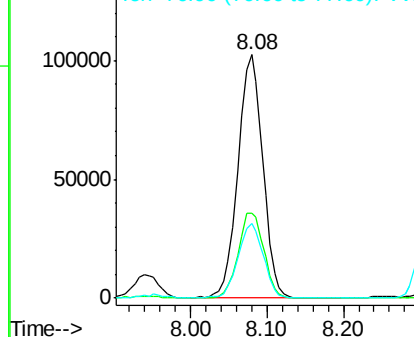


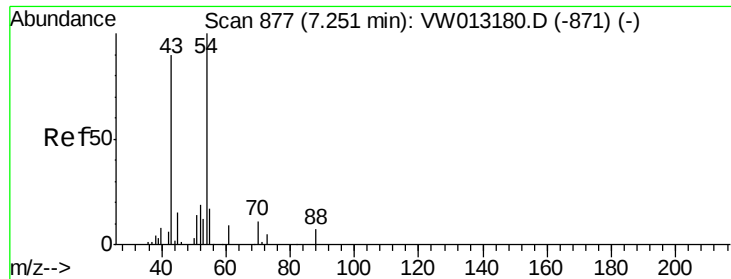
#36
1,1-Dichloropropene
Concen: 49.521 ug/l
RT: 8.08 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

Tgt Ion: 75 Resp: 230311
Ion Ratio Lower Upper
75 100
110 35.9 18.1 54.3
77 31.3 25.8 38.6



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

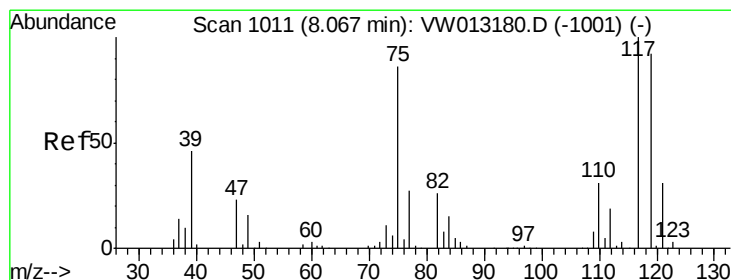
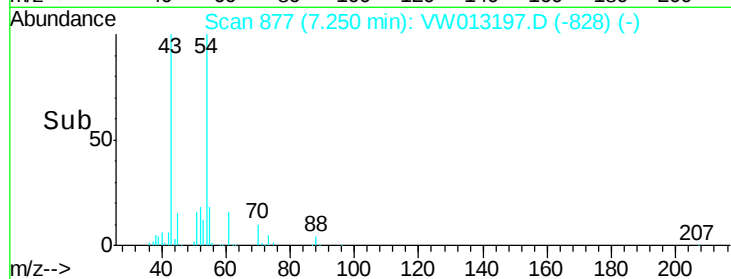
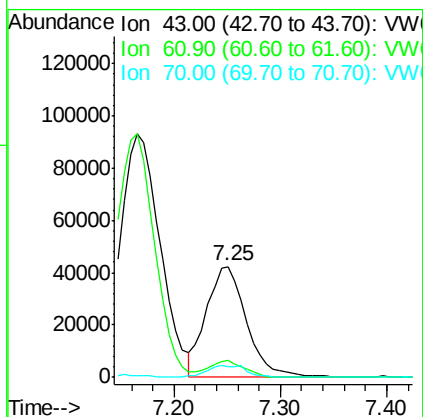
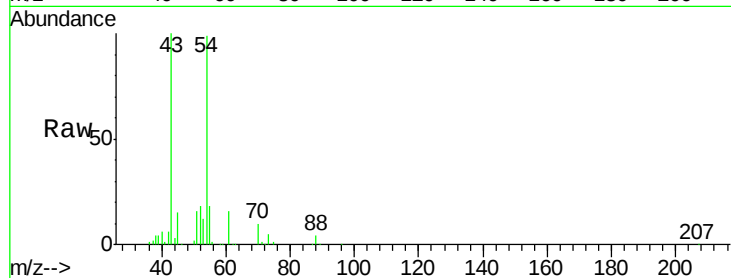




#37
Ethyl Acetate
Concen: 55.355 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

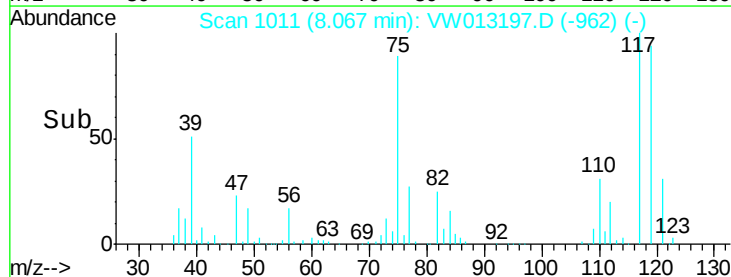
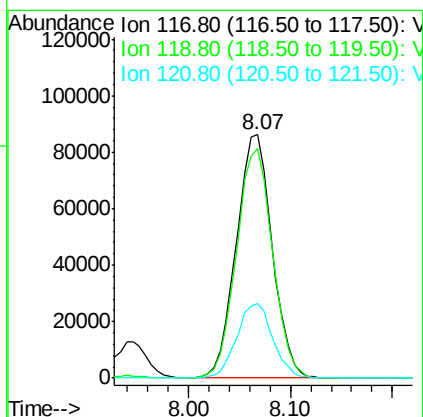
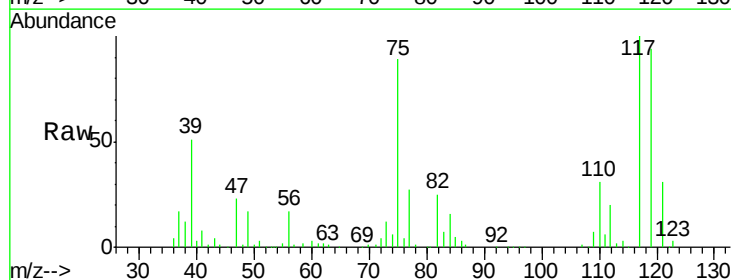
Instrument :
MSVOA_W
ClientSampled :

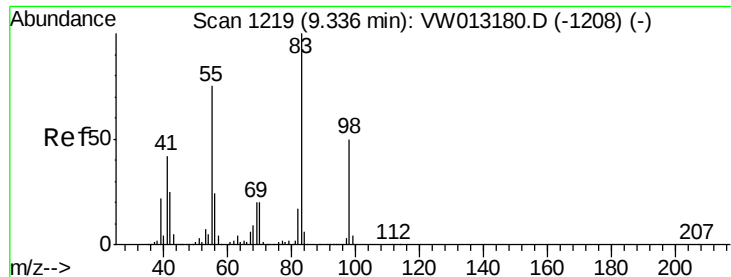
Tot Ion: 43 Resp: 109415
Ion Ratio Lower Upper
43 100
61 13.5 10.9 16.3
70 10.8 8.2 12.2



#38
Carbon Tetrachloride
Concen: 50.498 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

Tgt Ion: 117 Resp: 210532
Ion Ratio Lower Upper
117 100
119 94.3 73.5 110.3
121 30.5 25.0 37.6

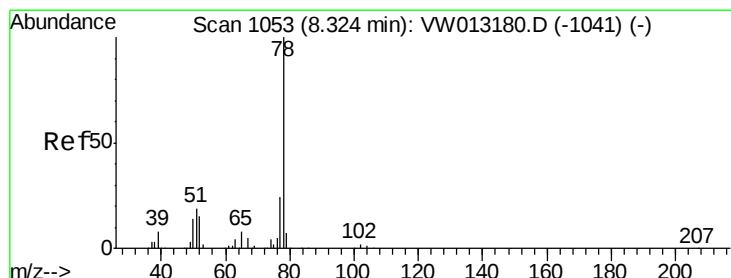
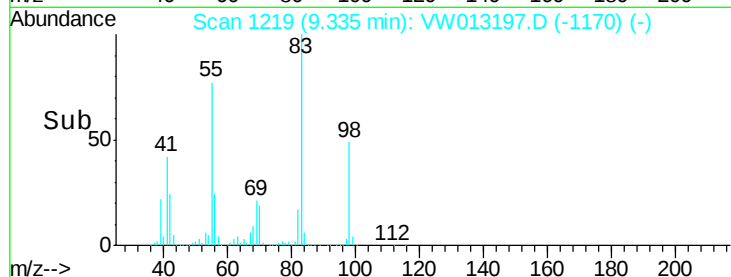
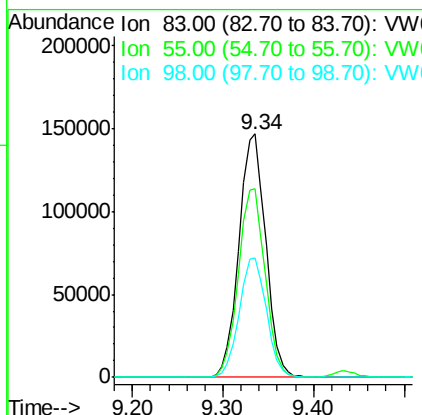
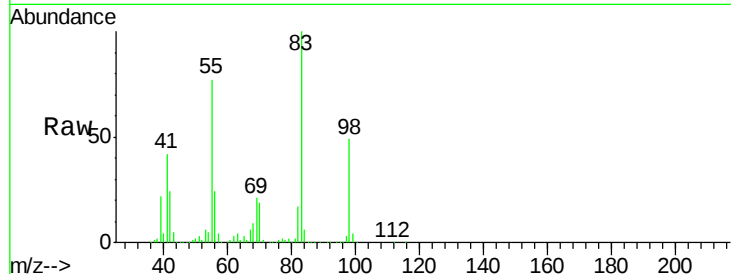




#39
Methvlcvclohexane
Concen: 50.327 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

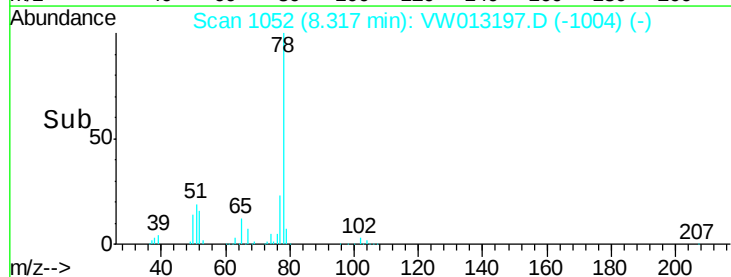
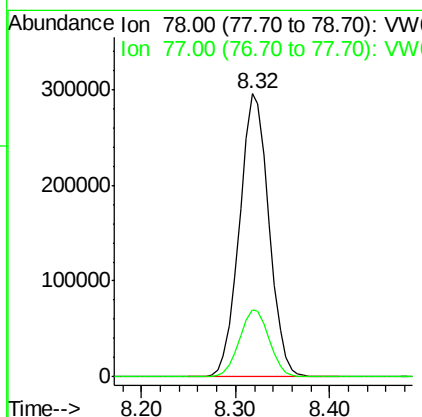
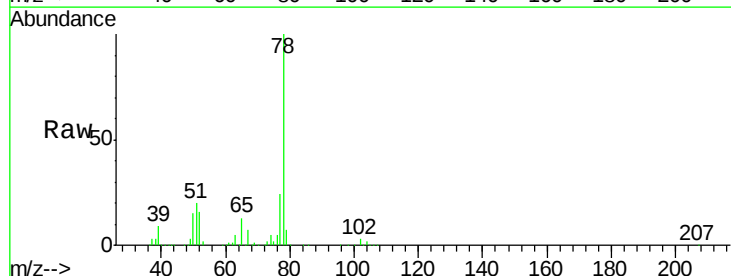
Instrument :
MSVOA_W
ClientSampled :

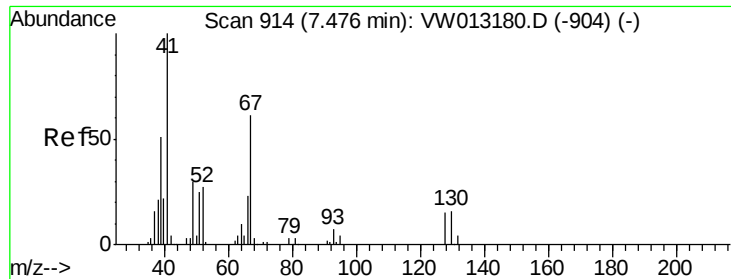
Tot Ion	83	Resp	300793
Ion	Ratio	Lower	Upper
83	100		
55	77.4	60.4	90.6
98	49.3	40.0	60.0



#40
Benzene
Concen: 49.753 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

Tgt Ion	78	Resp	645422
Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.1	28.7

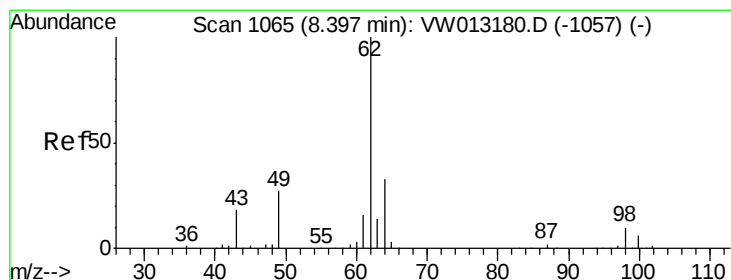
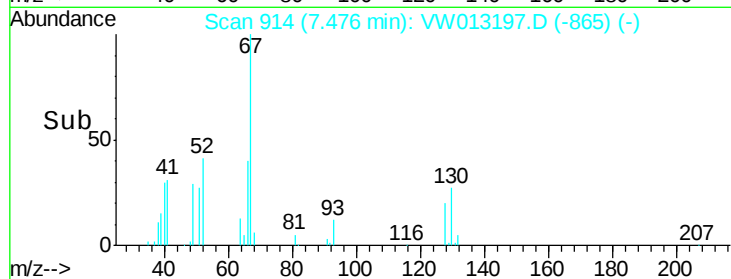
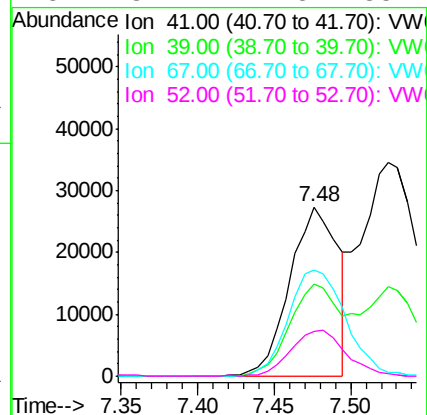
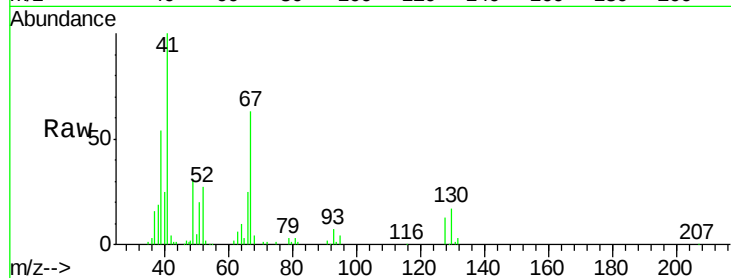




#41
Methacrylonitrile
Concen: 50.838 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.00 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

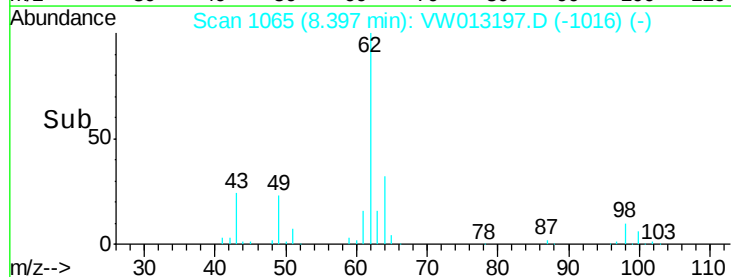
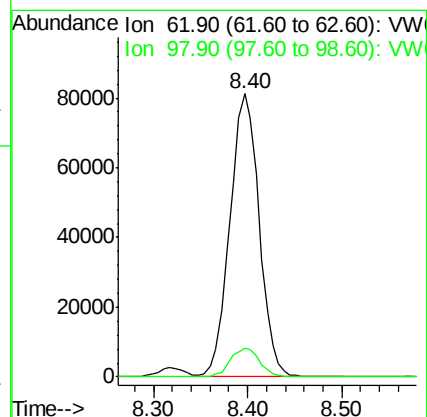
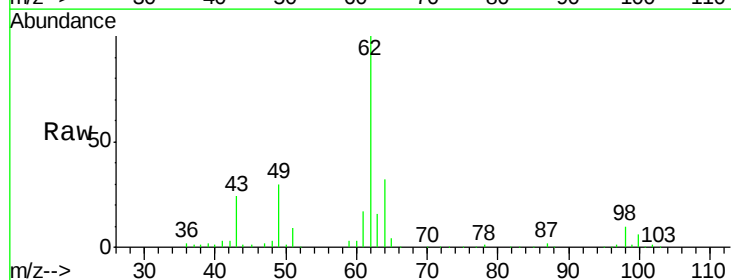
Instrument :
MSVOA_W
ClientSampleId :

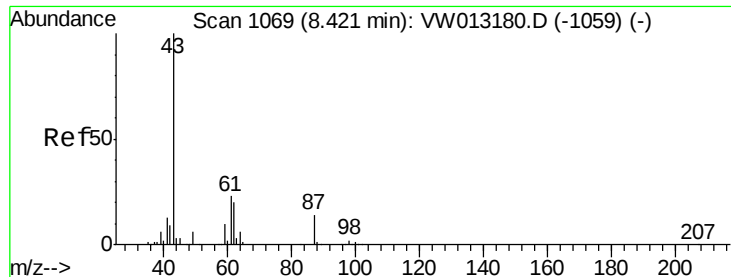
Tot Ion:	41	Resp:	59974
Ion	Ratio	Lower	Upper
41	100		
39	66.1	45.9	68.9
67	74.5	54.5	81.7
52	31.2	22.5	33.7



#42
1,2-Dichloroethane
Concen: 50.295 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

Tgt Ion:	62	Resp:	175393
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.6





#43

Isopropyl Acetate

Concen: 54.922 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

Instrument :

MSVOA_W

ClientSampleId :

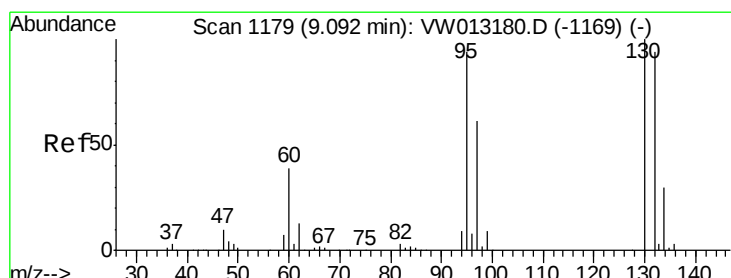
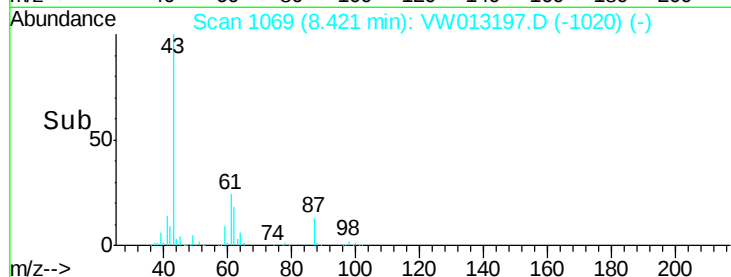
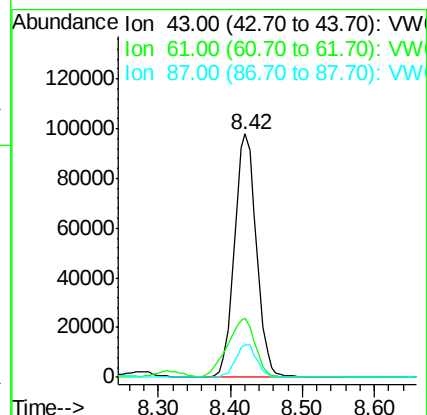
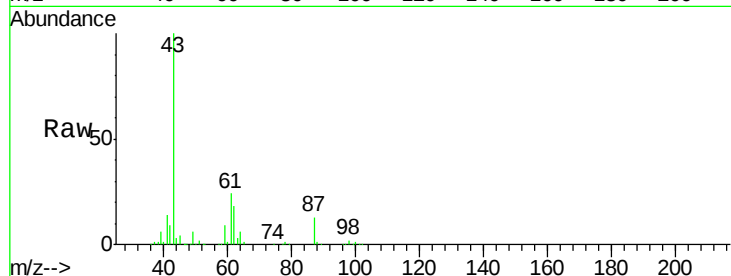
Tot Ion: 43 Resp: 208061

Ion Ratio Lower Upper

43 100

61 30.5 25.5 38.3

87 13.0 11.0 16.4



#44

Trichloroethene

Concen: 48.979 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW013197.D

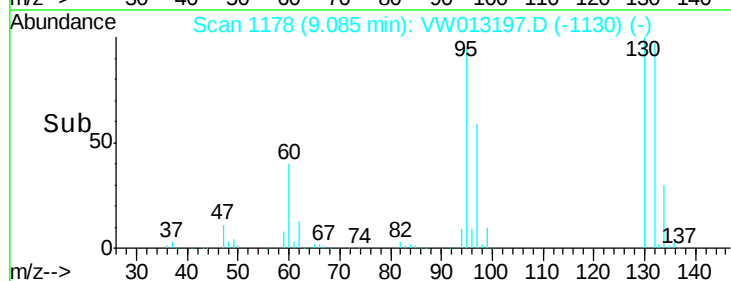
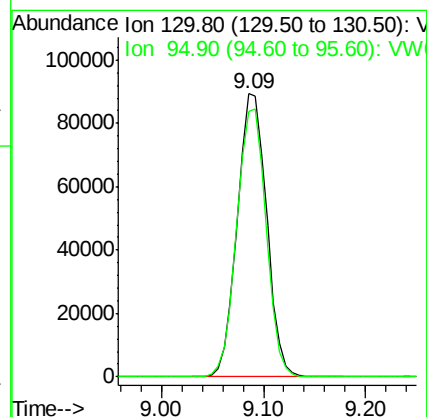
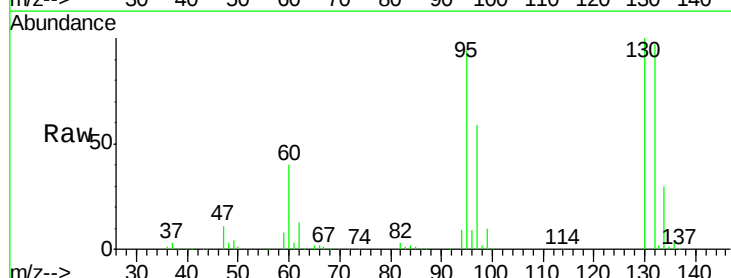
Acq: 20 Sep 2019 21:52

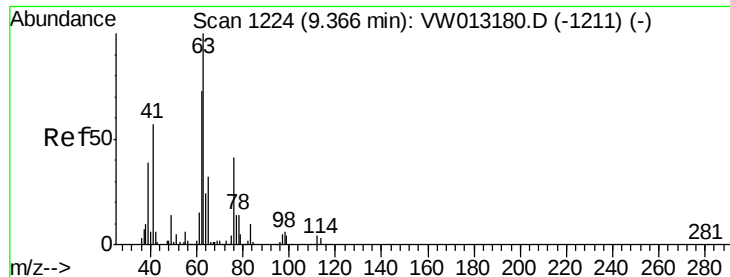
Tgt Ion: 130 Resp: 178269

Ion Ratio Lower Upper

130 100

95 93.6 0.0 188.0





#45

1,2-Dichloropropane

Concen: 50.205 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

Instrument :

MSVOA_W

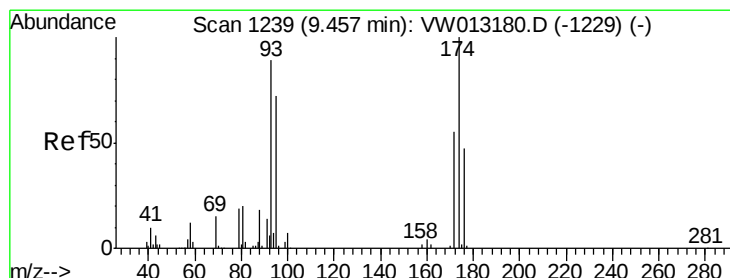
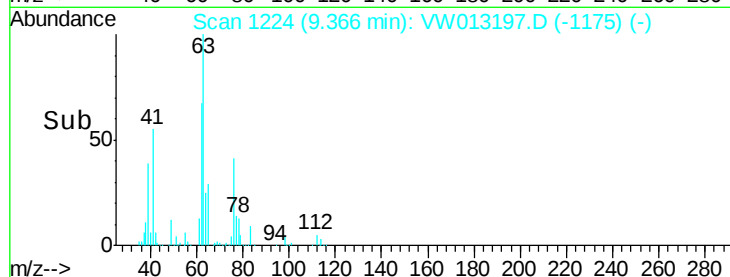
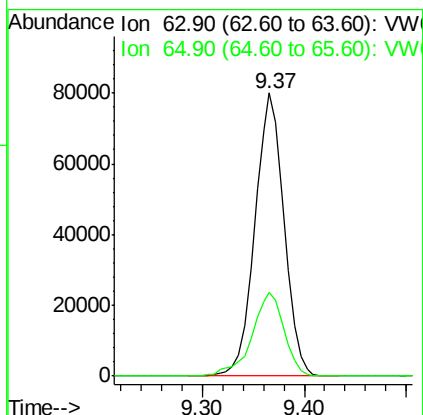
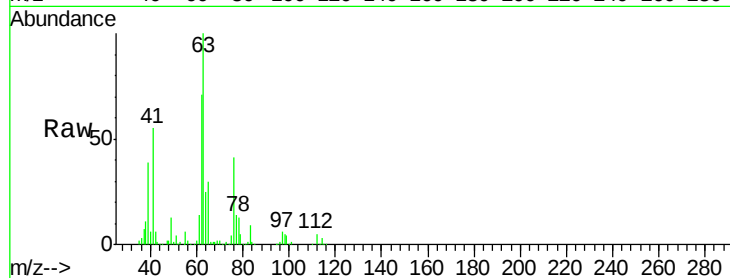
ClientSampleId :

Tot Ion: 63 Resp: 159006

Ion Ratio Lower Upper

63 100

65 29.6 25.3 37.9



#46

Dibromomethane

Concen: 50.761 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

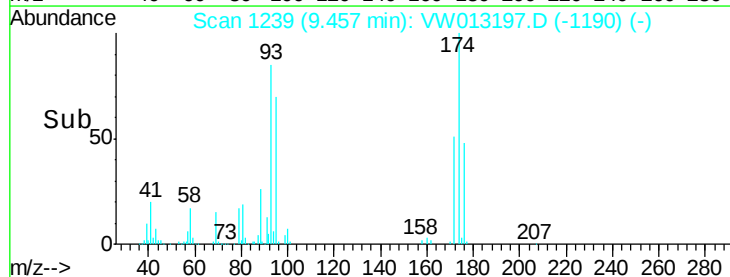
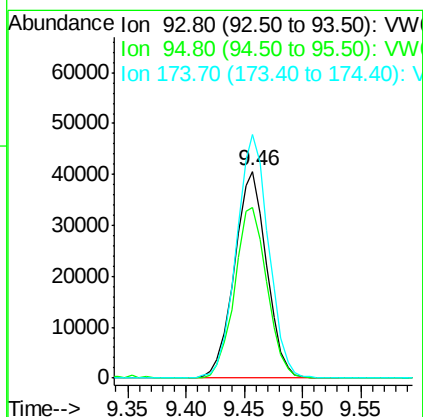
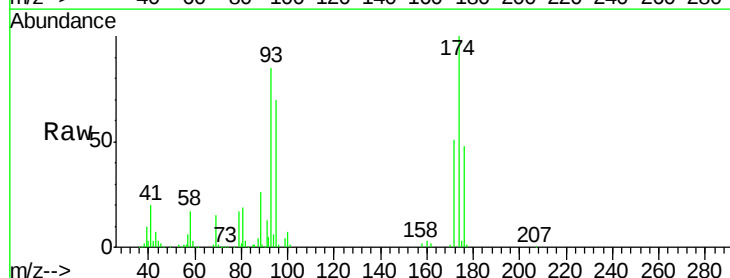
Tgt Ion: 93 Resp: 78052

Ion Ratio Lower Upper

93 100

95 83.2 66.4 99.6

174 118.2 93.0 139.6





#47

Bromodichloromethane

Concen: 49.606 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

Instrument :

MSVOA_W

ClientSampleId :

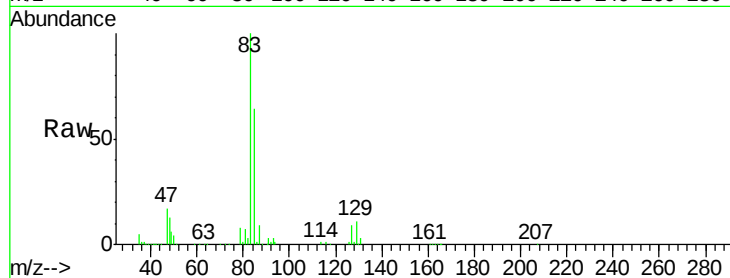
Tot Ion: 83 Resp: 194086

Ion Ratio Lower Upper

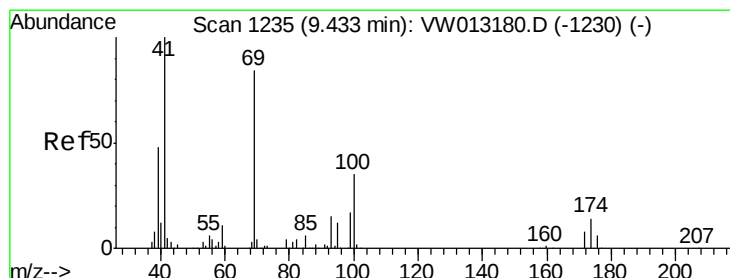
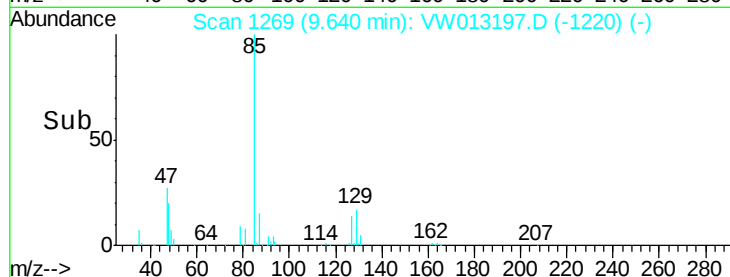
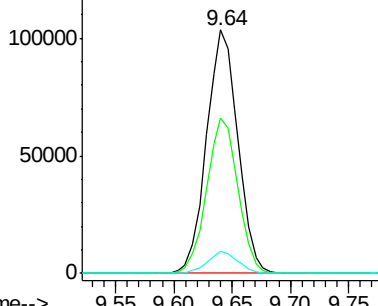
83 100

85 63.9 49.4 74.2

127 9.0 6.5 9.7



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



#48

Methyl methacrylate

Concen: 58.577 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

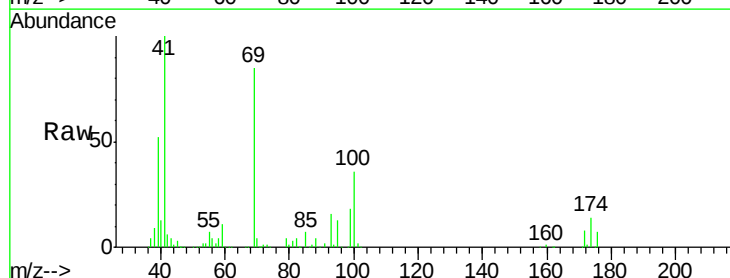
Tgt Ion: 41 Resp: 104347

Ion Ratio Lower Upper

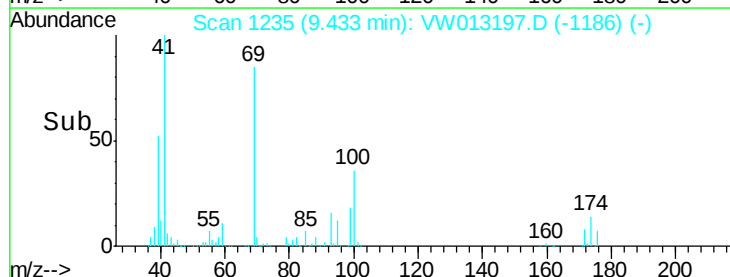
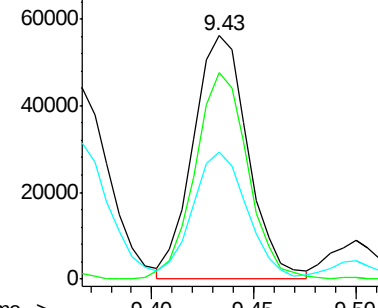
41 100

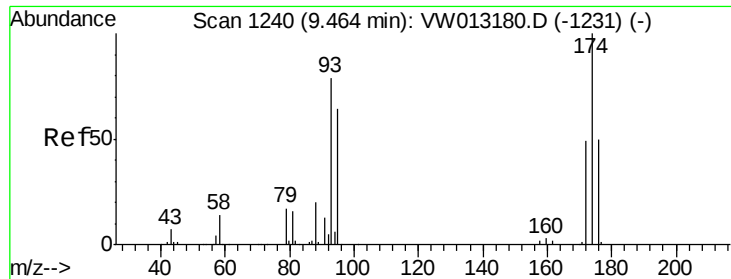
69 82.5 69.7 104.5

39 49.1 41.1 61.7



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

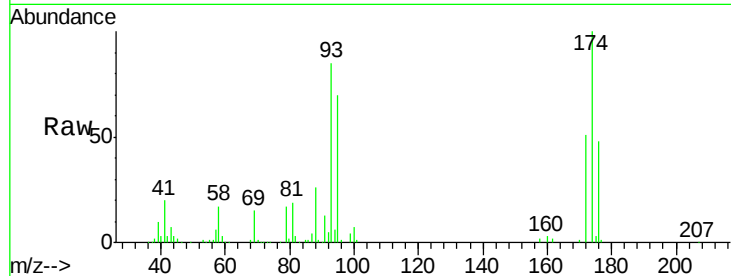




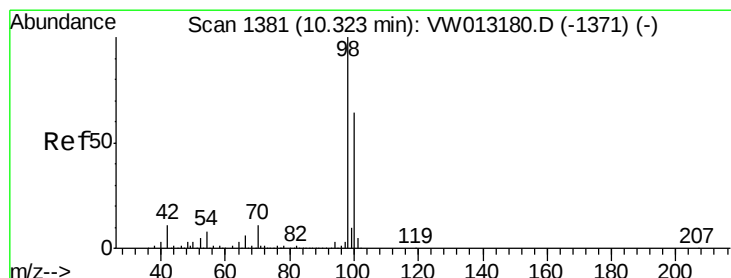
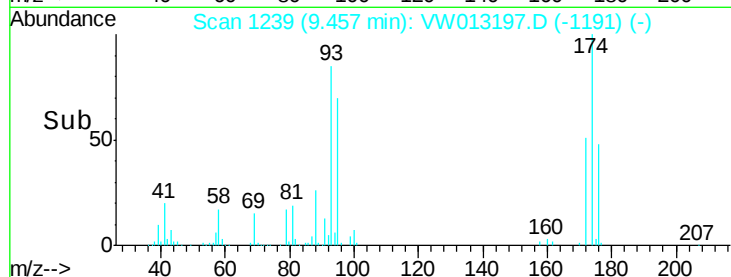
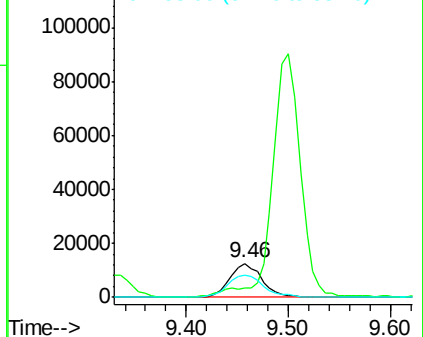
#49
1,4-Dioxane
Concen: 1186.307 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. -0.01 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 88 Resp: 27381
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 74.9 65.4 98.0

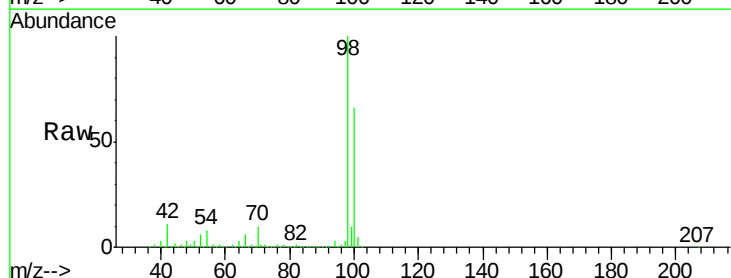


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

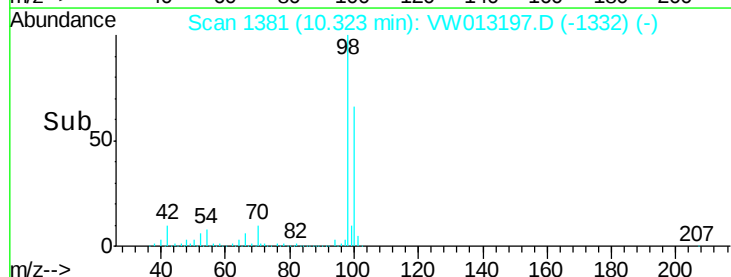
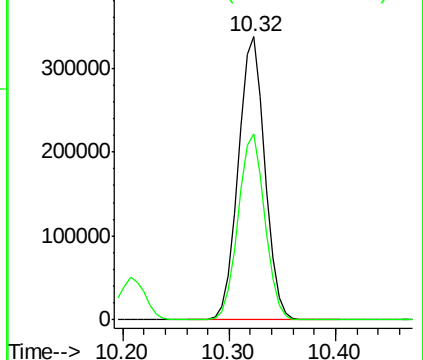


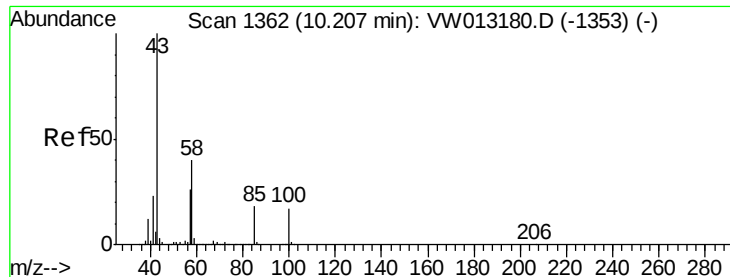
#50
Toluene-d8
Concen: 53.461 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

Tgt Ion: 98 Resp: 590890
Ion Ratio Lower Upper
98 100
100 66.0 52.9 79.3



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





#51

4-Methyl-2-Pentanone

Concen: 283.977 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

Instrument :

MSVOA_W

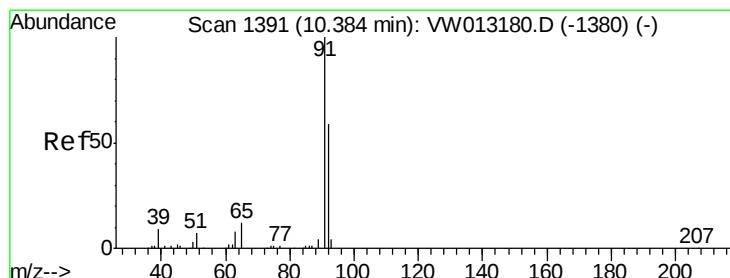
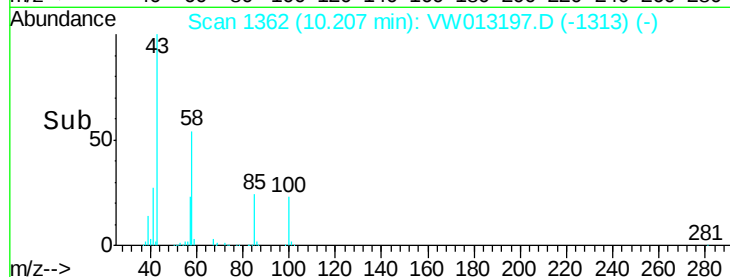
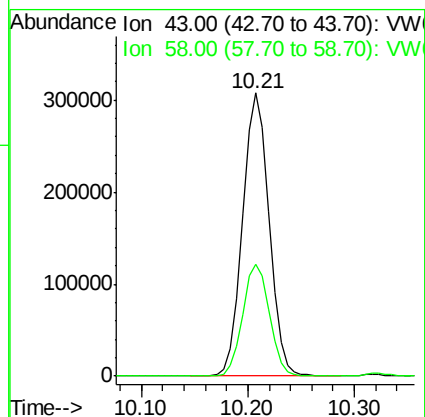
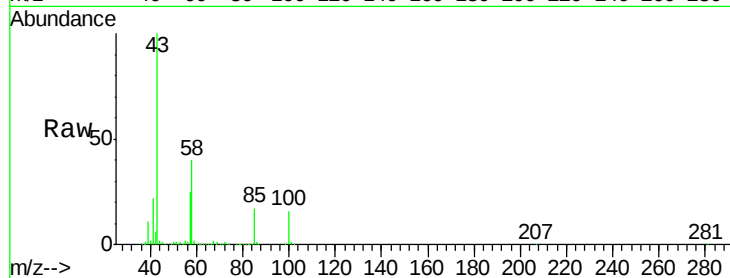
ClientSampleId :

Tot Ion: 43 Resp: 539320

Ion Ratio Lower Upper

43 100

58 40.0 31.7 47.5



#52

Toluene

Concen: 49.486 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013197.D

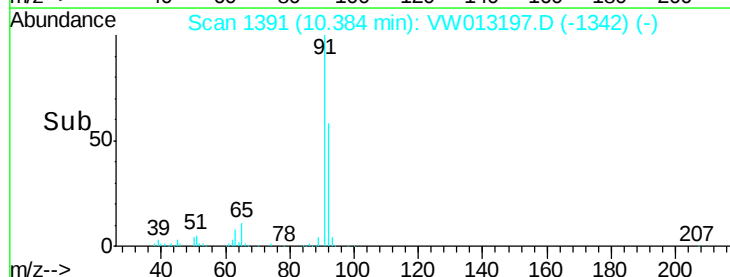
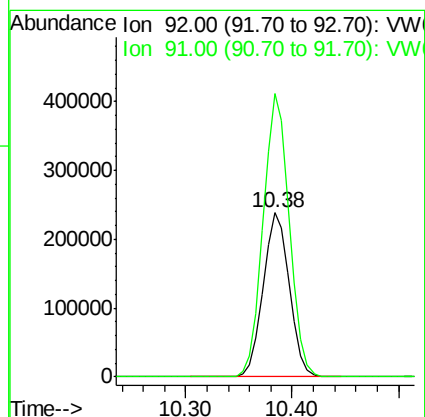
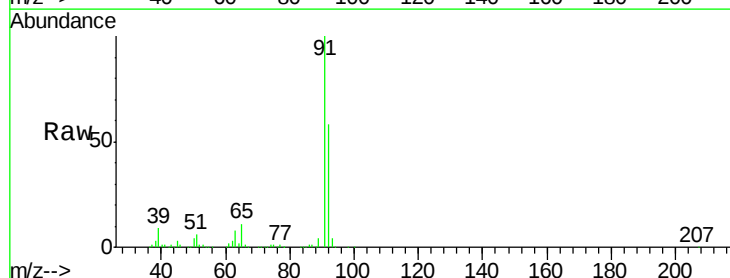
Acq: 20 Sep 2019 21:52

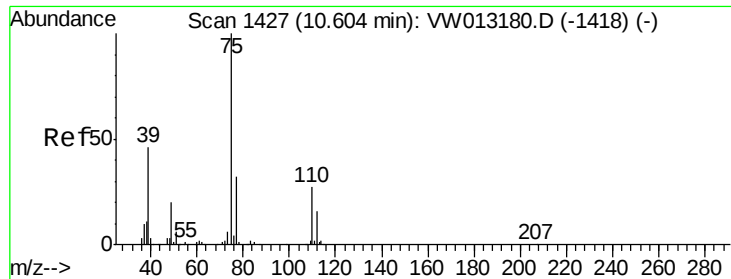
Tgt Ion: 92 Resp: 411428

Ion Ratio Lower Upper

92 100

91 171.7 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 51.186 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

Instrument :

MSVOA_W

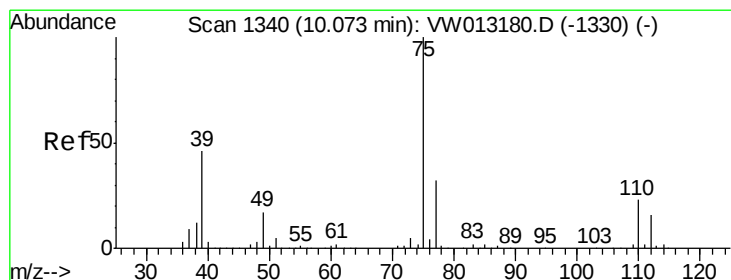
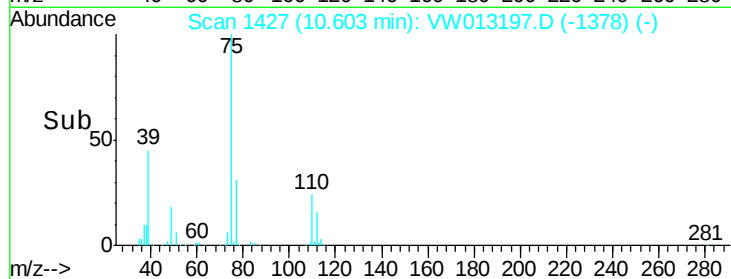
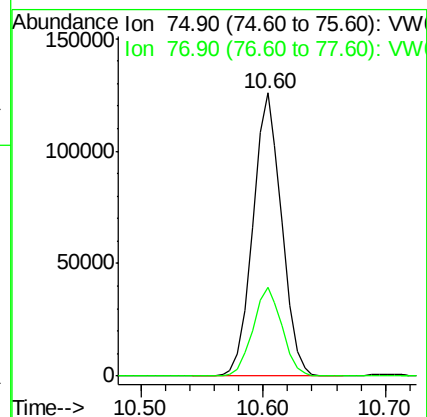
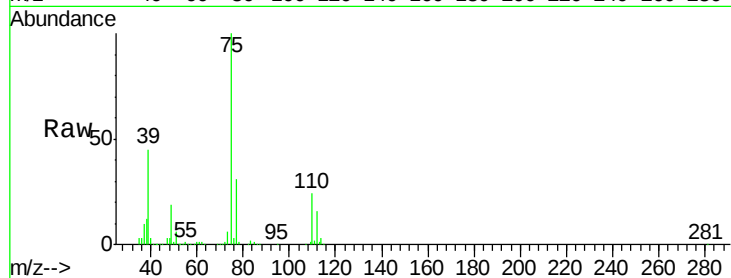
ClientSampleId :

Tot Ion: 75 Resp: 205756

Ion Ratio Lower Upper

75 100

77 31.2 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 50.023 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

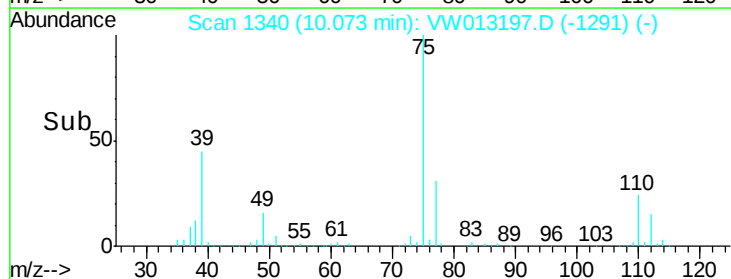
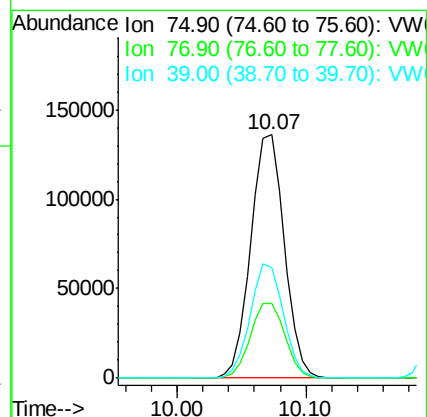
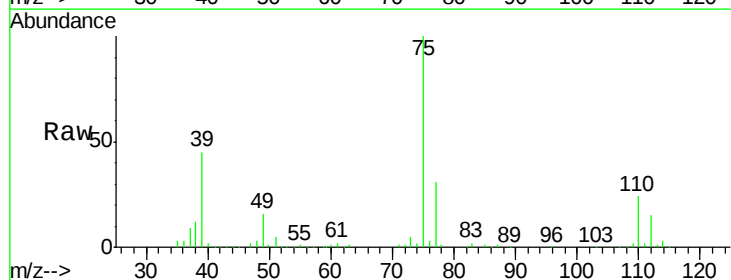
Tgt Ion: 75 Resp: 244490

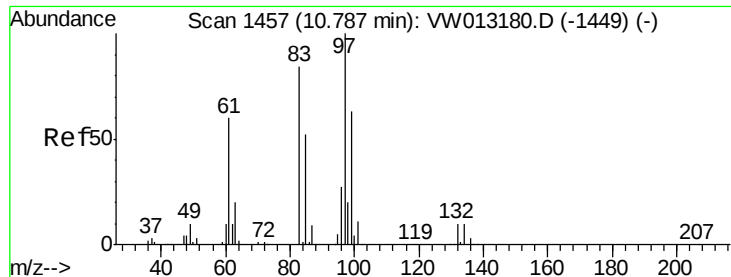
Ion Ratio Lower Upper

75 100

77 30.8 25.2 37.8

39 45.3 36.6 55.0





#55

1,1,2-Trichloroethane

Concen: 50.203 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 97 Resp: 115379

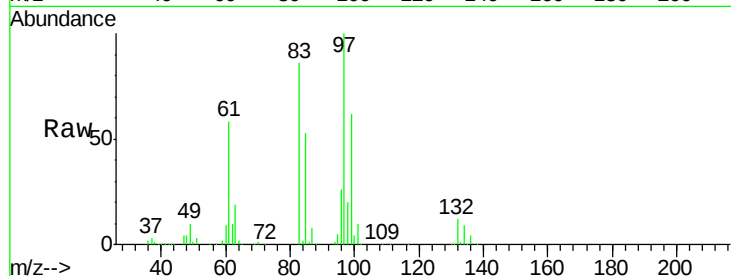
Ion Ratio Lower Upper

97 100

83 85.5 67.6 101.4

85 53.1 41.9 62.9

99 62.4 50.1 75.1

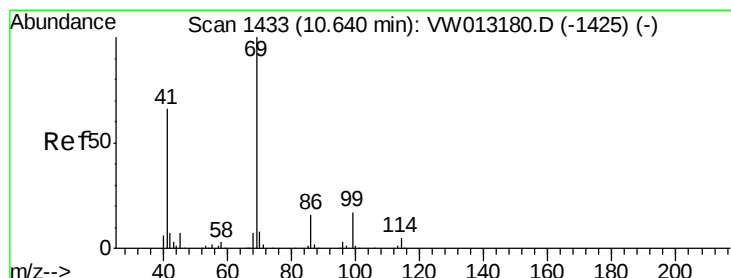
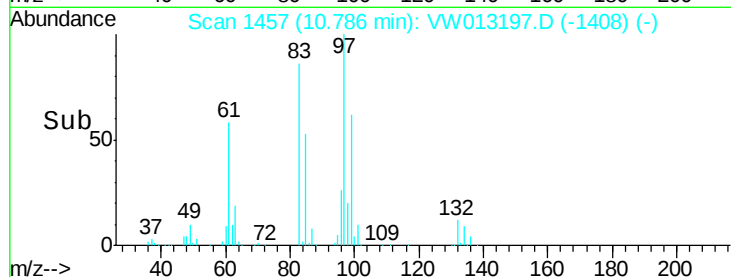
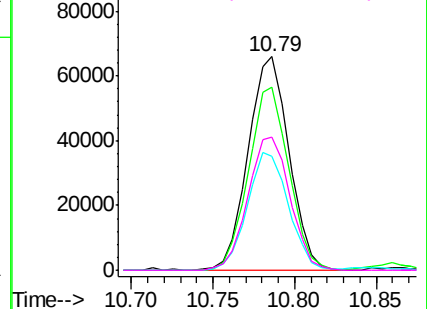


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 55.655 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

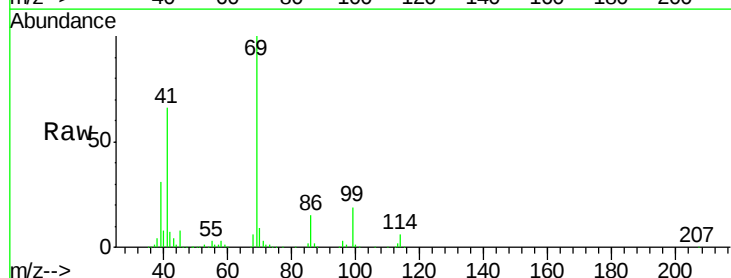
Tgt Ion: 69 Resp: 167400

Ion Ratio Lower Upper

69 100

41 68.7 53.9 80.9

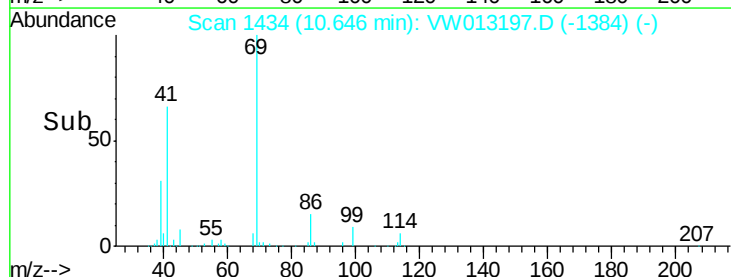
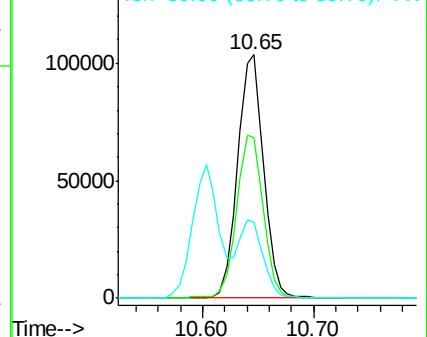
39 28.9 23.8 35.6

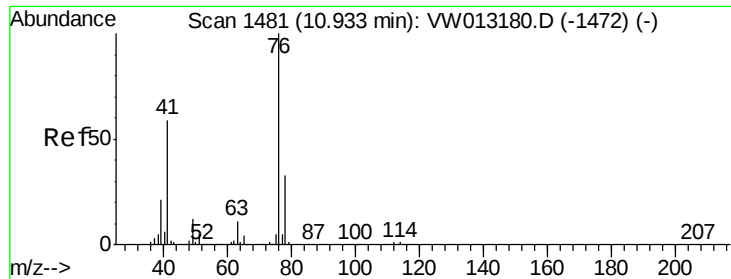


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 51.545 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

Instrument :

MSVOA_W

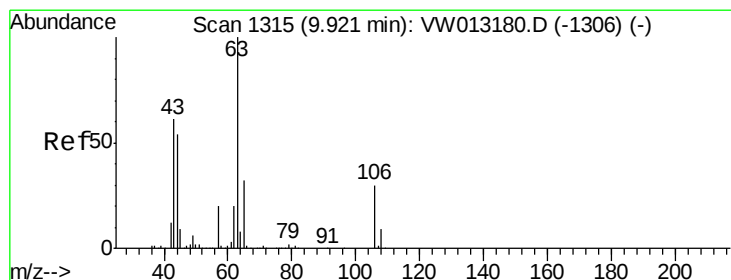
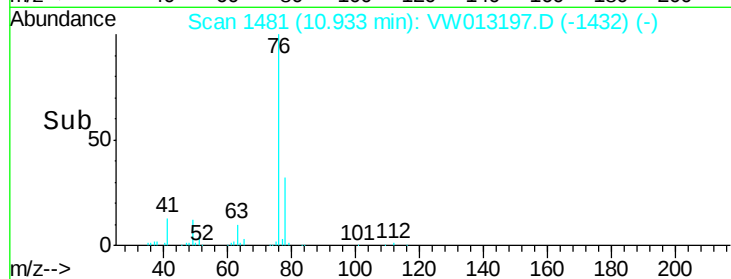
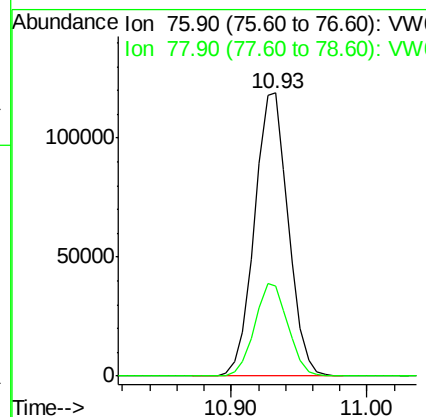
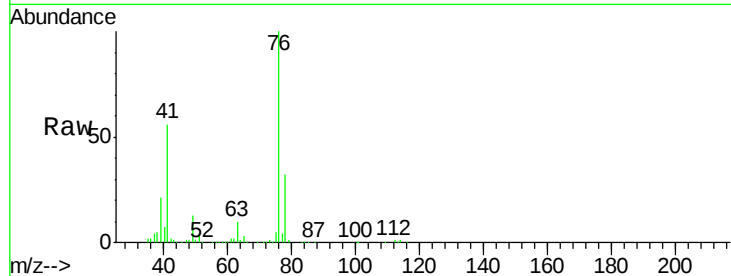
ClientSampleId :

Tot Ion: 76 Resp: 206724

Ion Ratio Lower Upper

76 100

78 32.3 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 286.866 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW013197.D

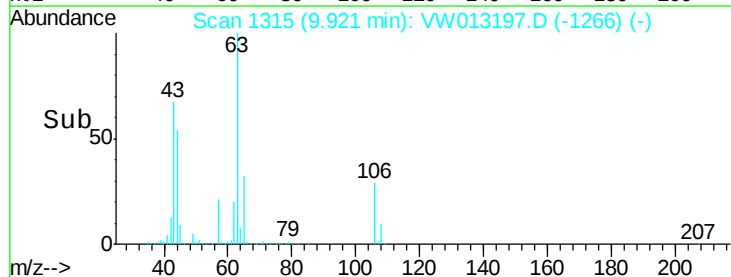
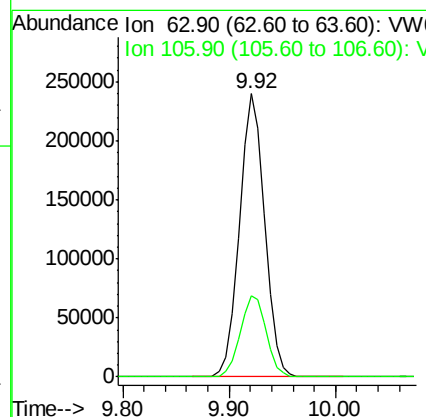
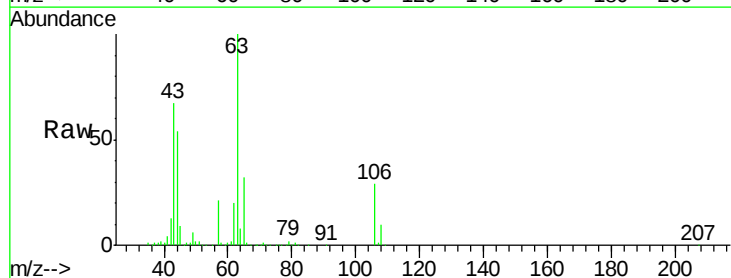
Acq: 20 Sep 2019 21:52

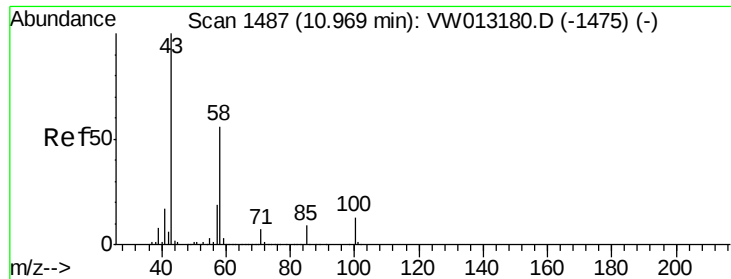
Tgt Ion: 63 Resp: 399446

Ion Ratio Lower Upper

63 100

106 29.5 23.4 35.0

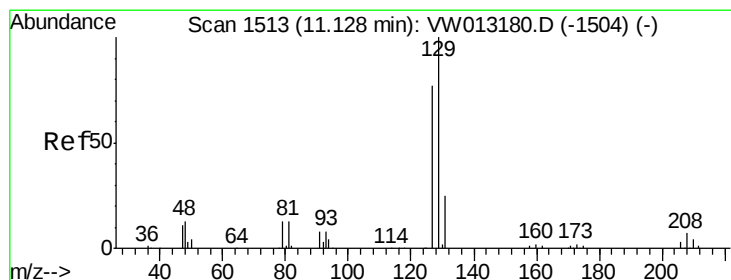
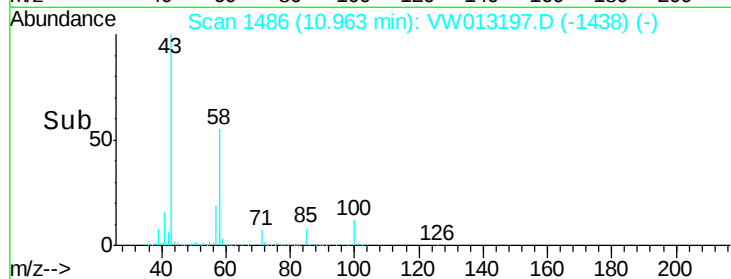
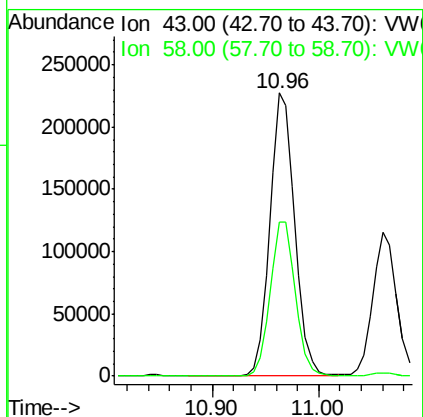
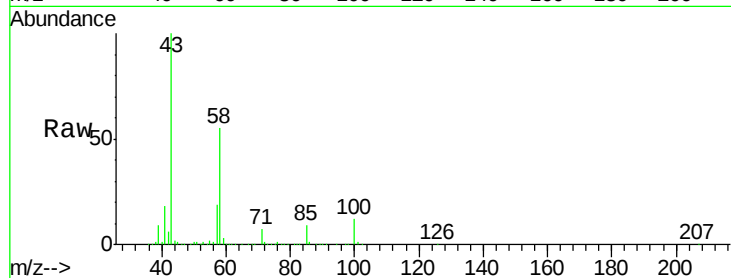




#59
2-Hexanone
Concen: 282.763 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. -0.01 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

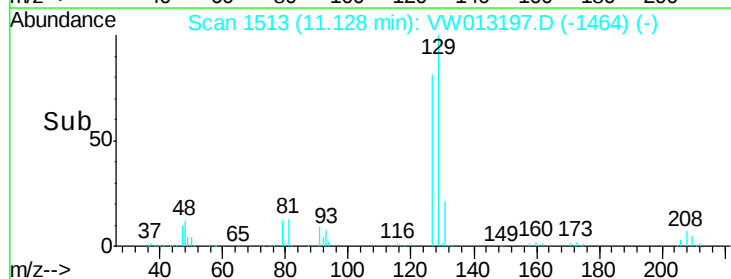
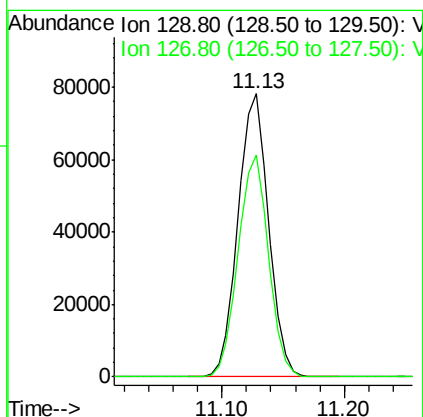
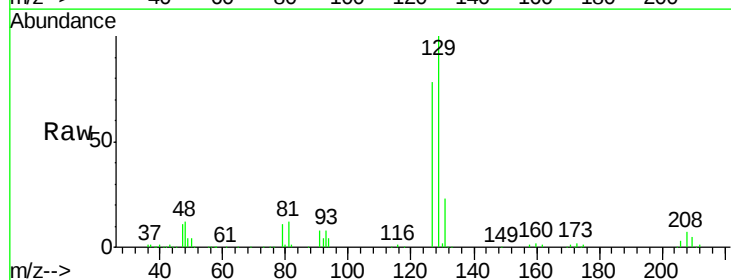
Instrument :
MSVOA_W
ClientSampled :

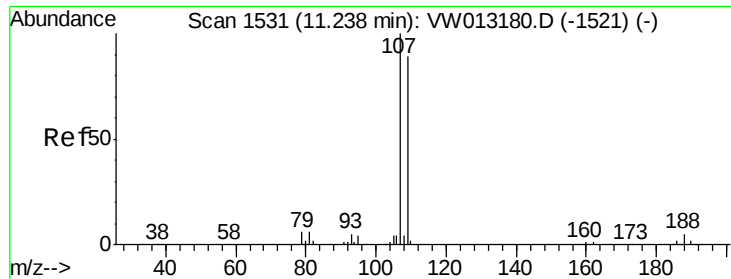
Tot Ion: 43 Resp: 369464
Ion Ratio Lower Upper
43 100
58 55.6 28.1 84.2



#60
Dibromochloromethane
Concen: 51.764 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

Tgt Ion: 129 Resp: 135085
Ion Ratio Lower Upper
129 100
127 78.0 38.8 116.4

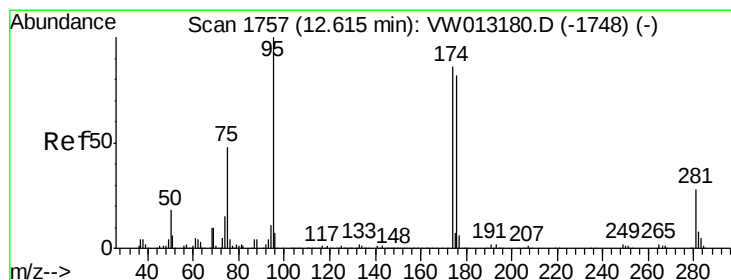
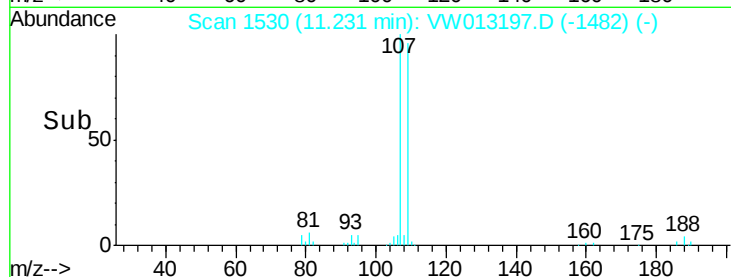
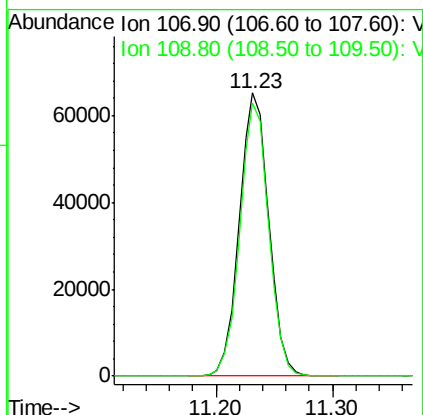
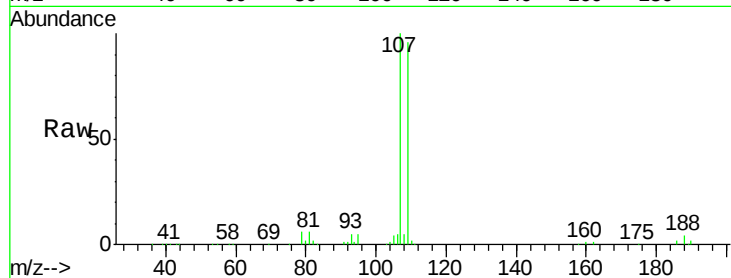




#61
 1,2-Dibromoethane
 Concen: 52.459 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

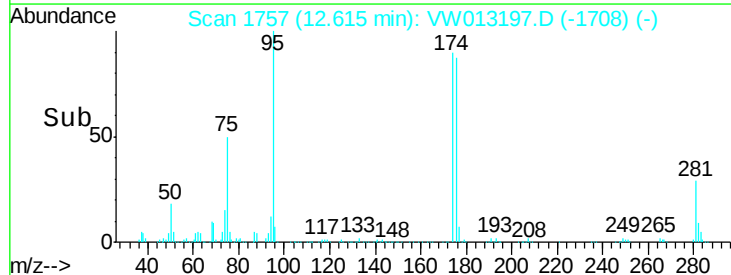
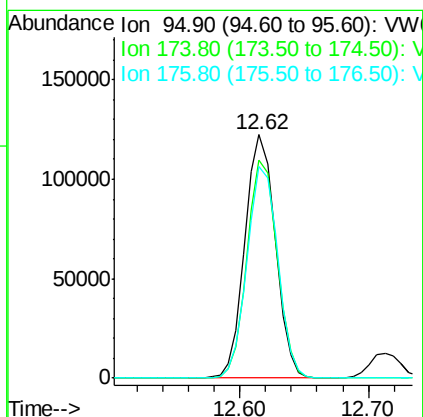
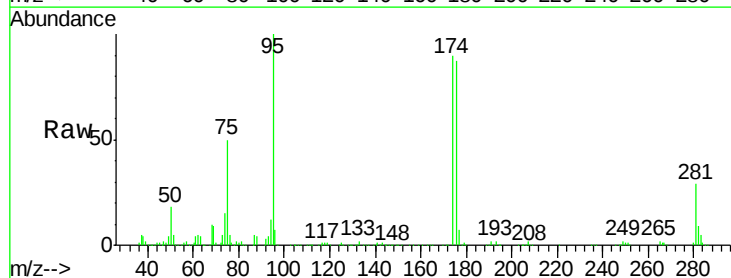
Instrument :
 MSVOA_W
 ClientSampleId :

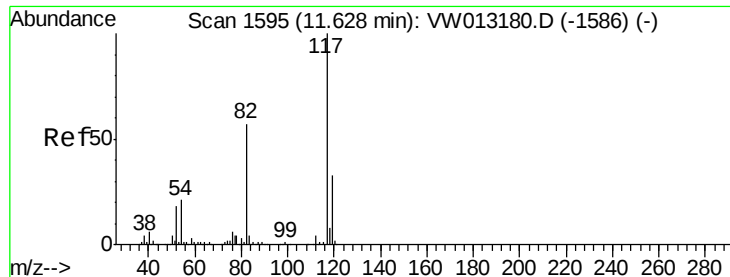
Tot Ion:107 Resp: 114631
 Ion Ratio Lower Upper
 107 100
 109 94.8 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 52.956 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Tgt Ion: 95 Resp: 199935
 Ion Ratio Lower Upper
 95 100
 174 88.9 0.0 178.4
 176 87.4 0.0 172.2

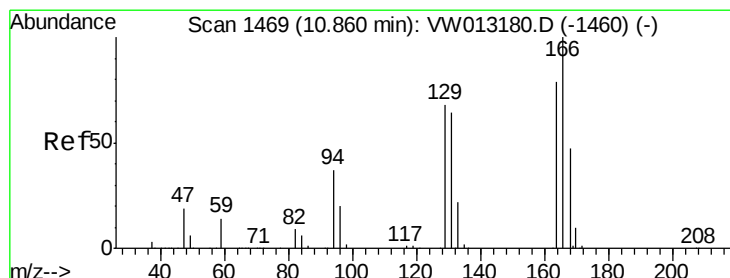
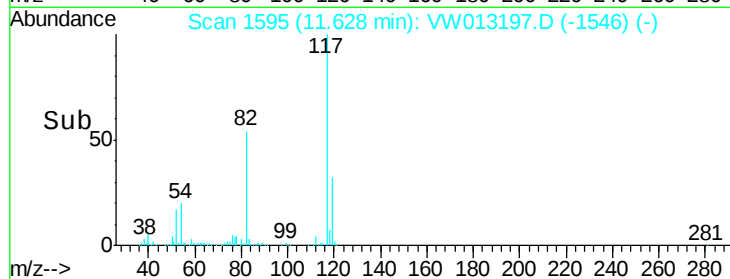
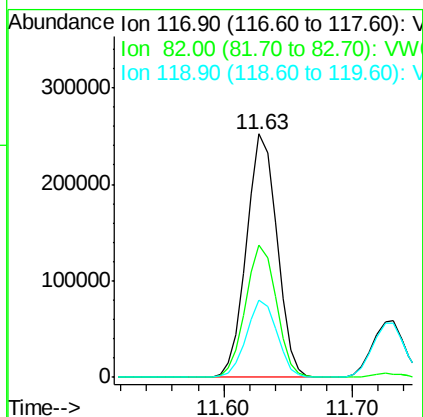
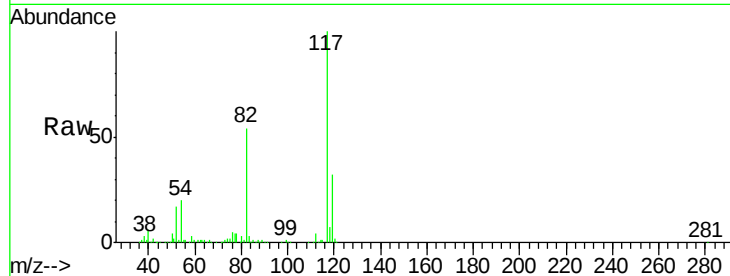




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

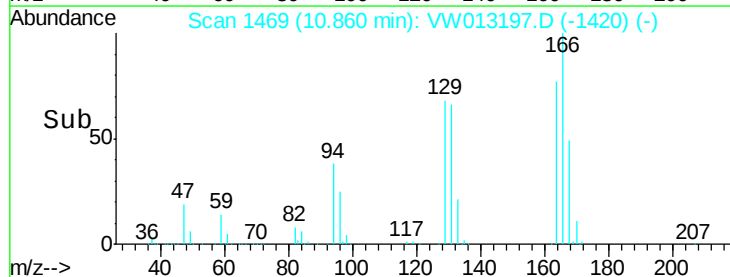
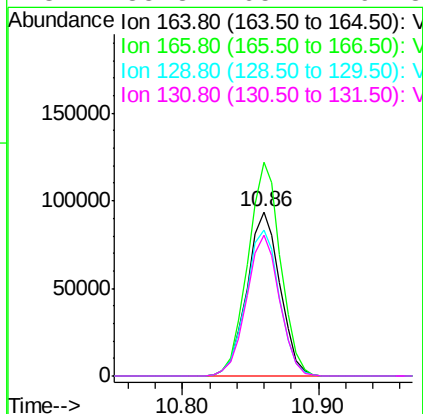
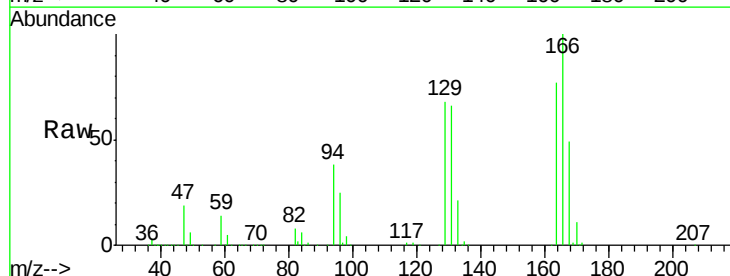
Instrument :
MSVOA_W
ClientSampleId :

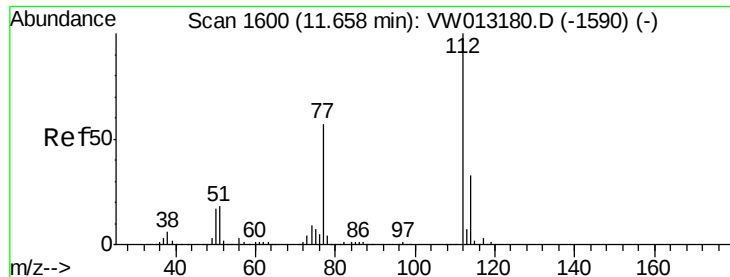
Tot Ion:117 Resp: 413145
Ion Ratio Lower Upper
117 100
82 54.4 45.9 68.9
119 31.6 26.2 39.2



#64
Tetrachloroethene
Concen: 50.717 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

Tgt Ion:164 Resp: 158982
Ion Ratio Lower Upper
164 100
166 129.9 101.2 151.8
129 89.0 68.8 103.2
131 85.3 65.2 97.8

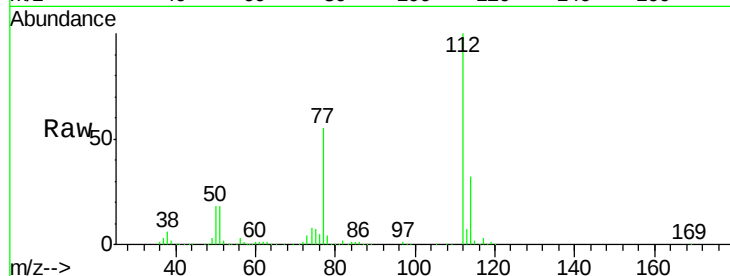




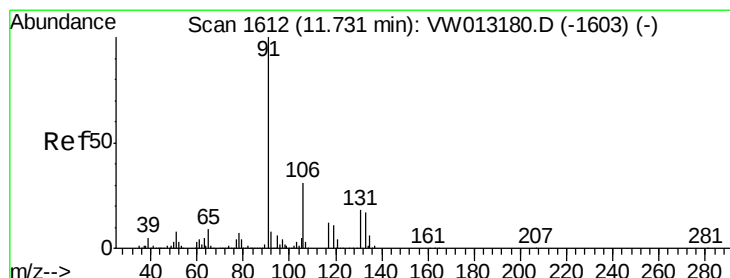
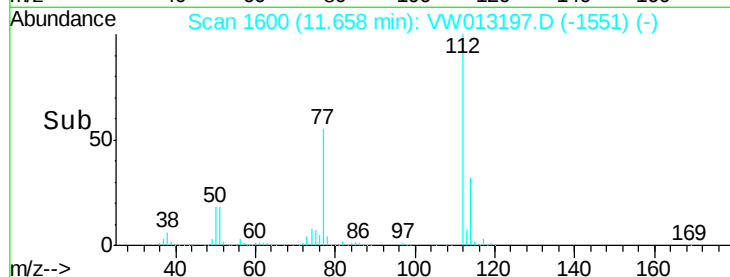
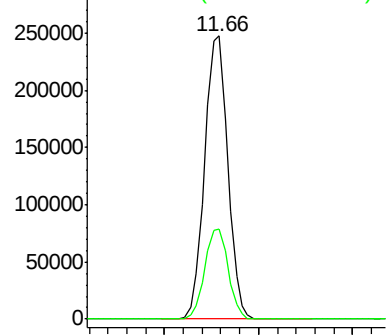
#65
Chlorobenzene
Concen: 49.030 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:112 Resp: 422993
Ion Ratio Lower Upper
112 100
114 31.8 26.5 39.7

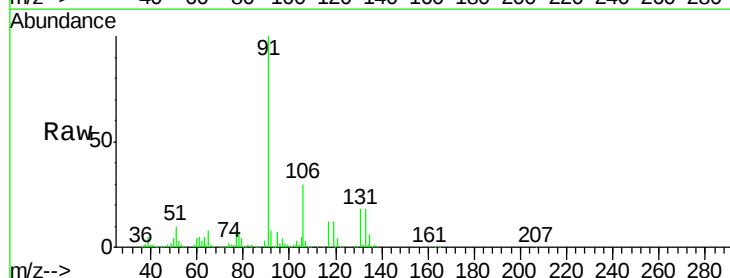


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

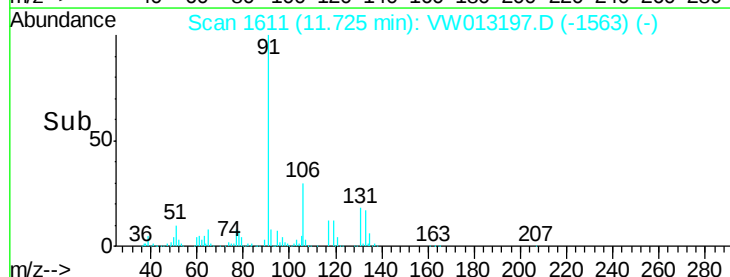
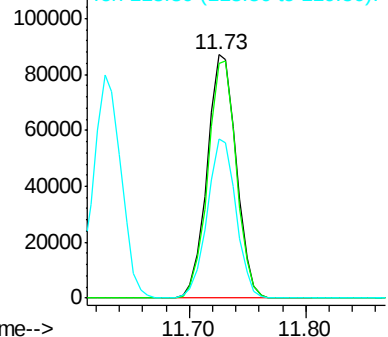


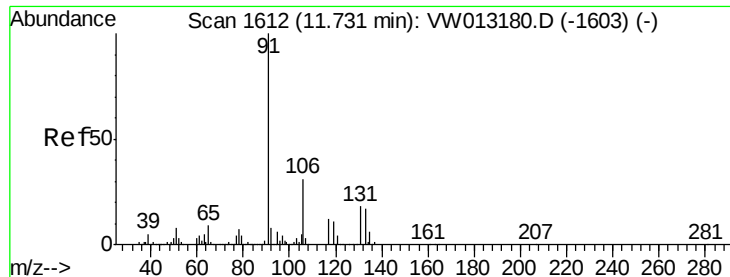
#66
1,1,1,2-Tetrachloroethane
Concen: 51.407 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

Tgt Ion:131 Resp: 151516
Ion Ratio Lower Upper
131 100
133 95.1 47.5 142.6
119 64.6 32.5 97.5



Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V

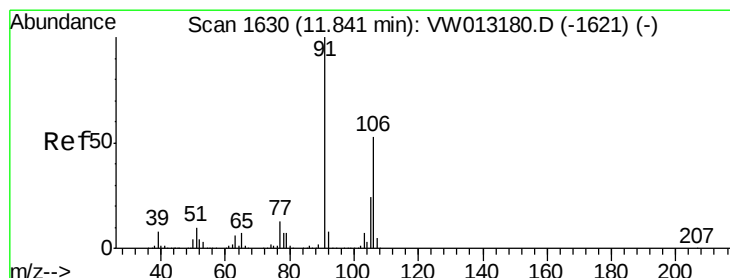
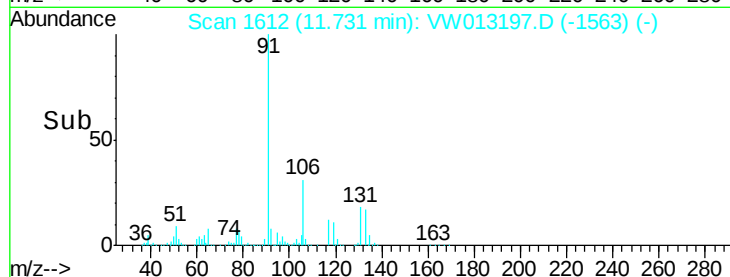
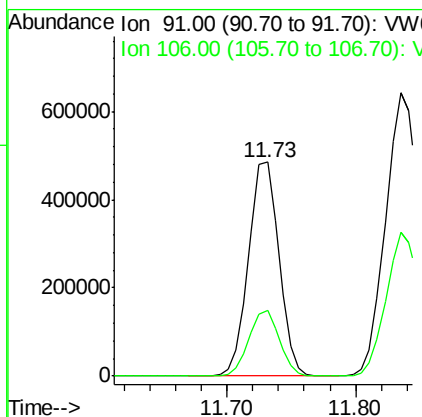
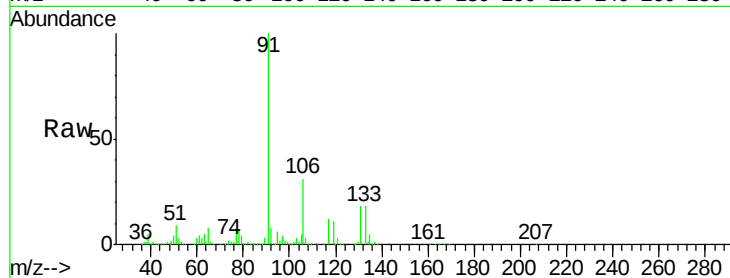




#67
Ethyl Benzene
Concen: 50.699 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

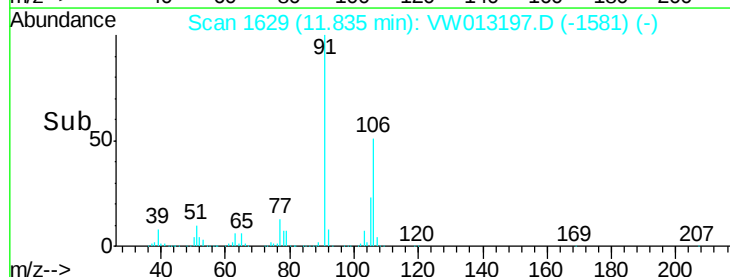
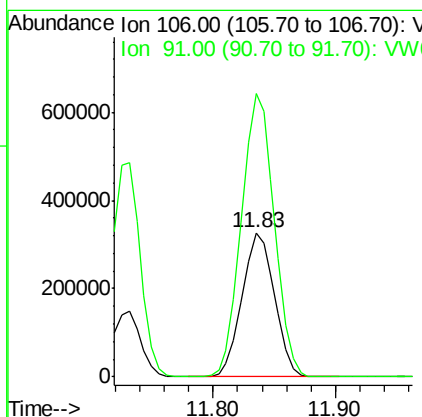
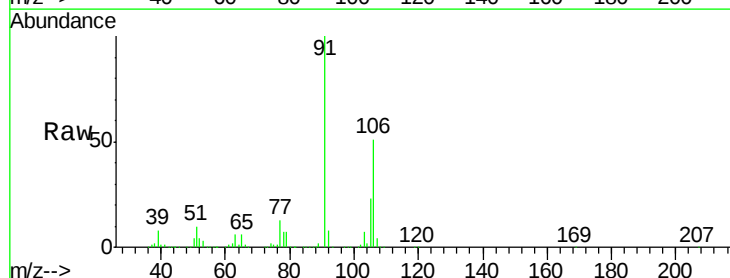
Instrument :
MSVOA_W
ClientSampled :

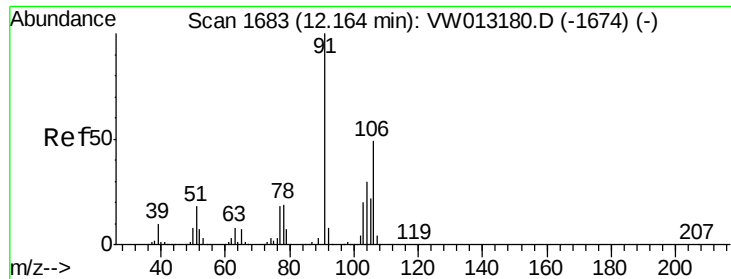
Tot Ion: 91 Resp: 792511
Ion Ratio Lower Upper
91 100
106 30.9 24.9 37.3



#68
m/p-Xylenes
Concen: 101.308 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

Tgt Ion:106 Resp: 603456
Ion Ratio Lower Upper
106 100
91 198.2 157.9 236.9

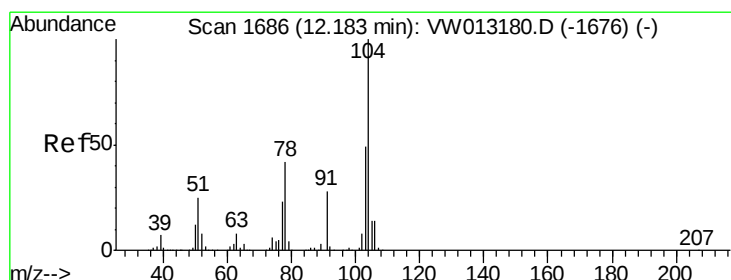
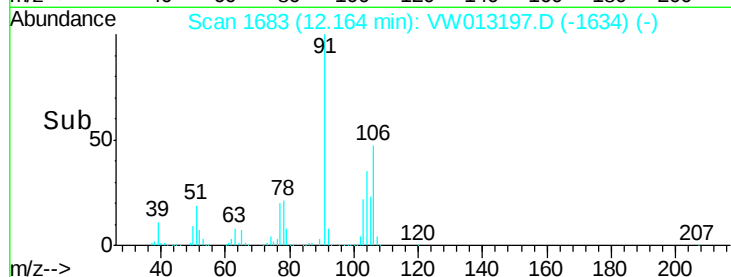
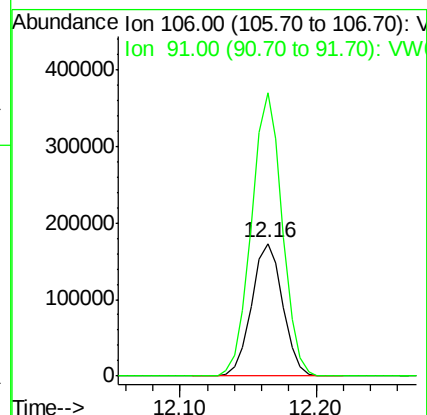
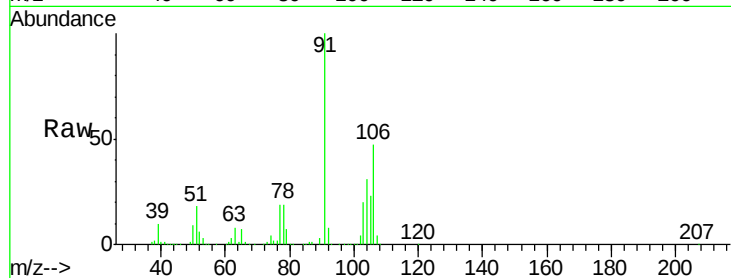




#69
o-Xylene
Concen: 50.274 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

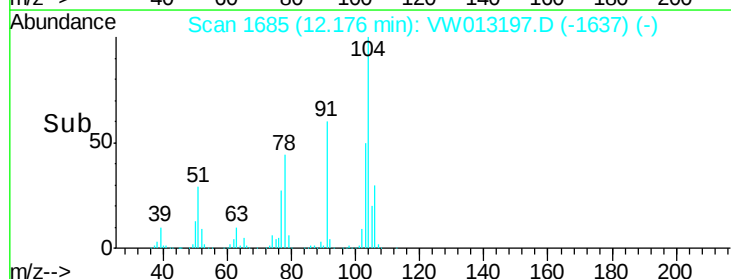
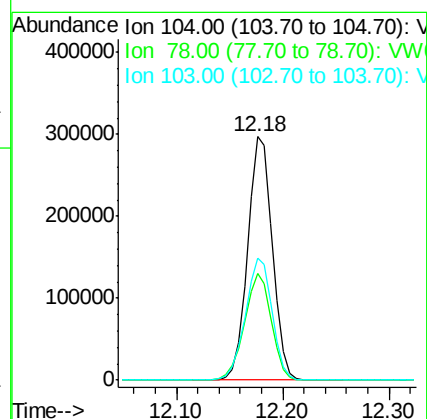
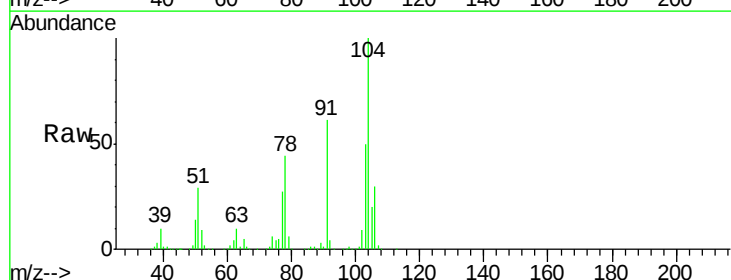
Instrument :
MSVOA_W
ClientSampled :

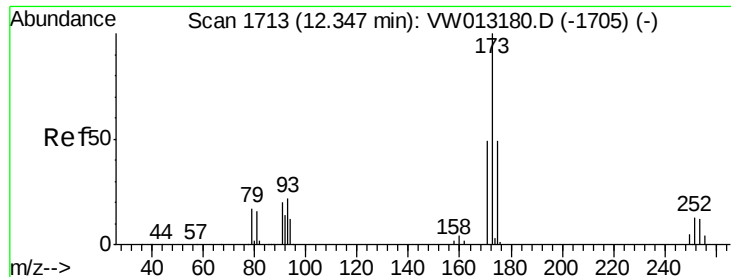
Tot Ion:106 Resp: 278418
Ion Ratio Lower Upper
106 100
91 210.6 106.5 319.5



#70
Styrene
Concen: 50.963 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

Tgt Ion:104 Resp: 484537
Ion Ratio Lower Upper
104 100
78 47.5 38.4 57.6
103 54.2 43.3 64.9





#71

Bromoform

Concen: 55.380 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

Instrument :

MSVOA_W

ClientSampleId :

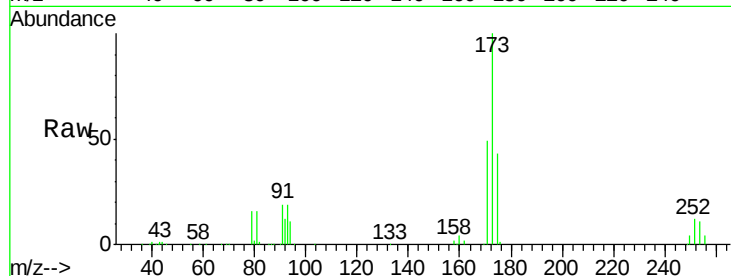
Tot Ion:173 Resp: 86232

Ion Ratio Lower Upper

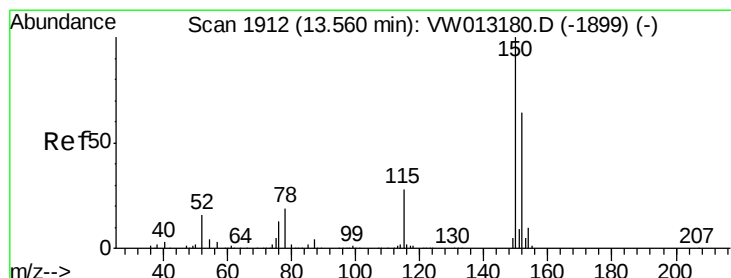
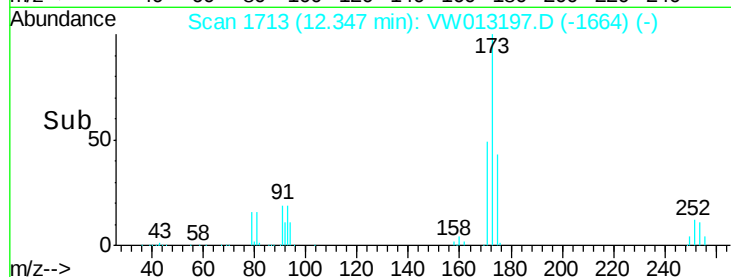
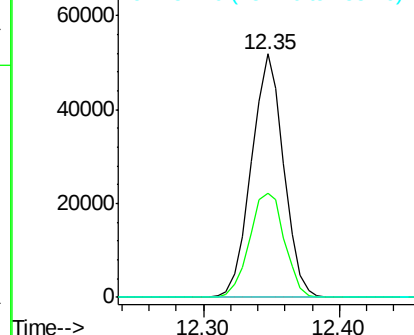
173 100

175 46.5 24.3 73.0

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: VW013197.D

Acq: 20 Sep 2019 21:52

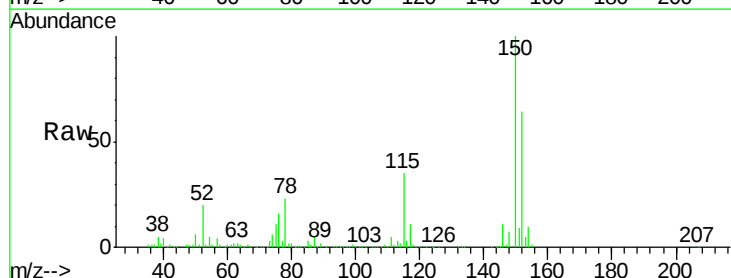
Tgt Ion:152 Resp: 211815

Ion Ratio Lower Upper

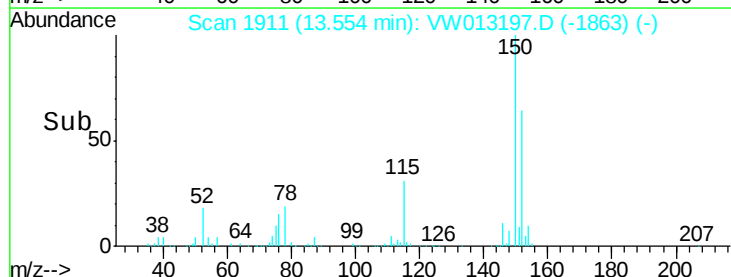
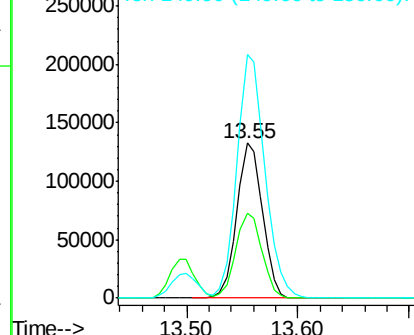
152 100

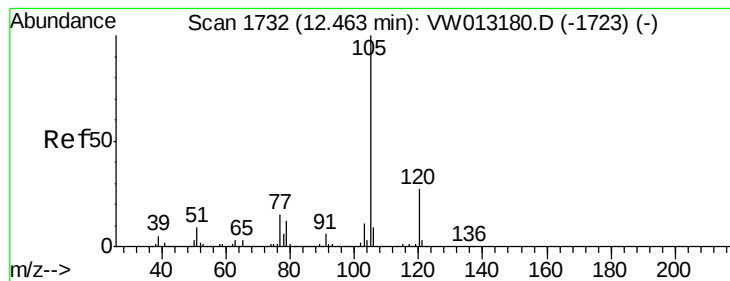
115 55.7 27.3 81.9

150 171.3 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: 49.675 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

Instrument :

MSVOA_W

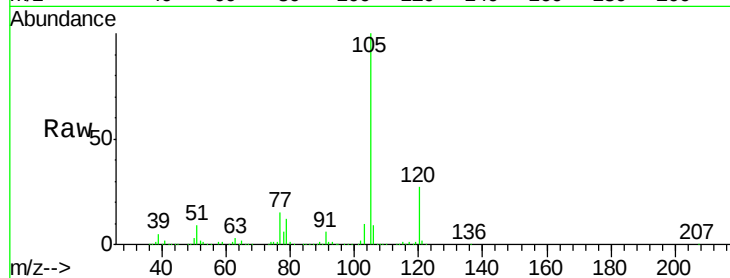
ClientSampled :

Tot Ion:105 Resp: 777259

Ion Ratio Lower Upper

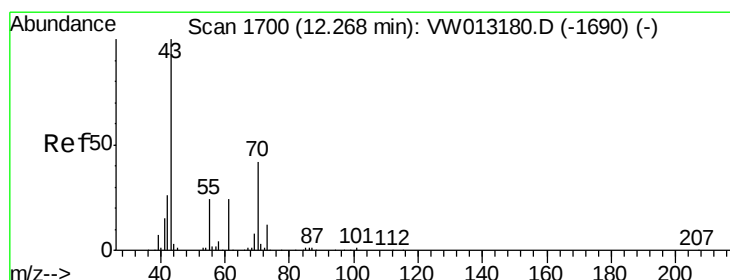
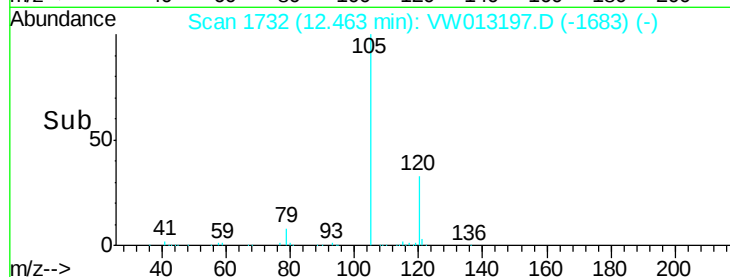
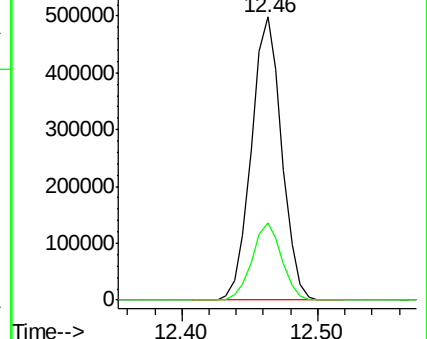
105 100

120 26.7 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 54.590 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

Tgt Ion: 43 Resp: 189538

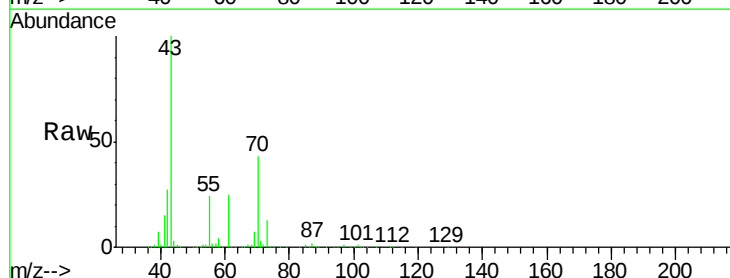
Ion Ratio Lower Upper

43 100

70 43.7 35.1 52.7

55 24.5 19.9 29.9

61 24.9 19.5 29.3

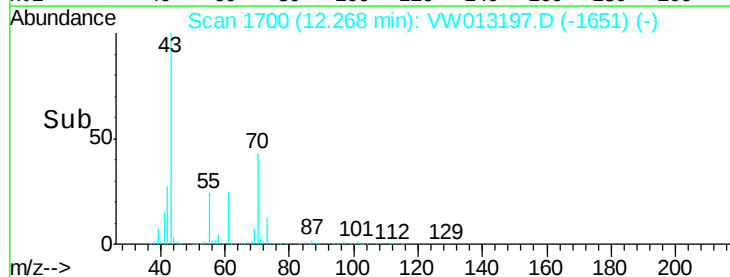
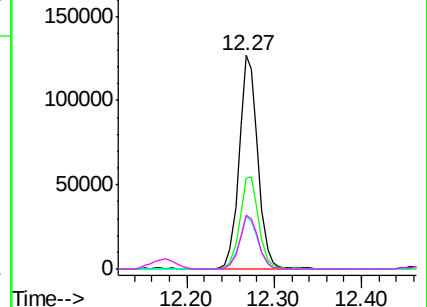


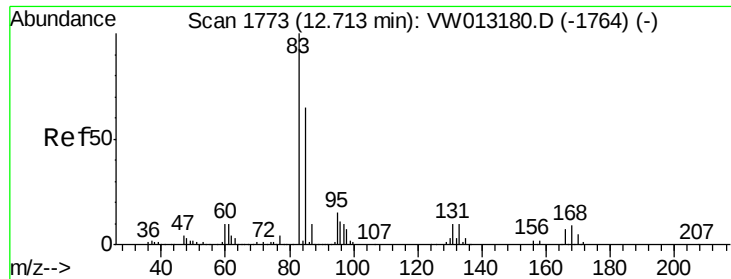
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 53.096 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

Instrument :

MSVOA_W

ClientSampled :

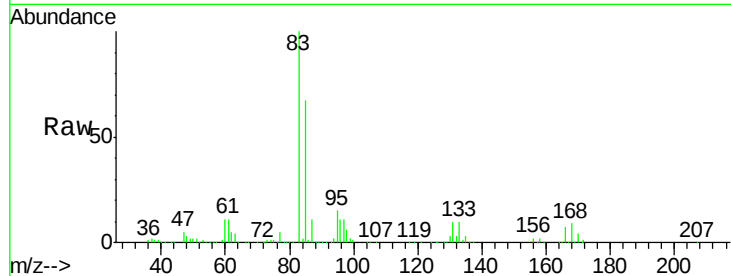
Tot Ion: 83 Resp: 138942

Ion Ratio Lower Upper

83 100

131 10.8 5.4 16.2

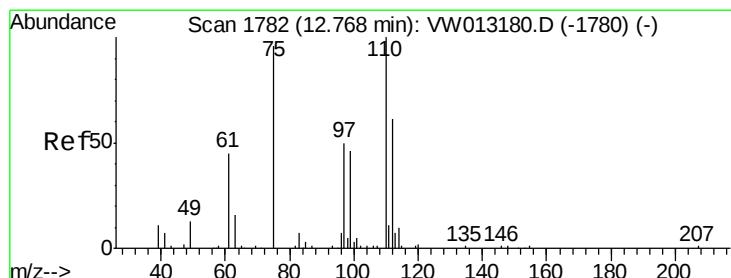
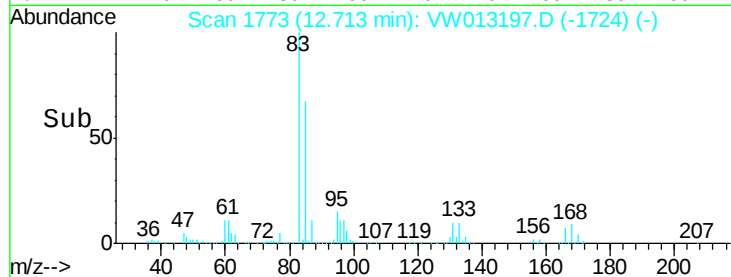
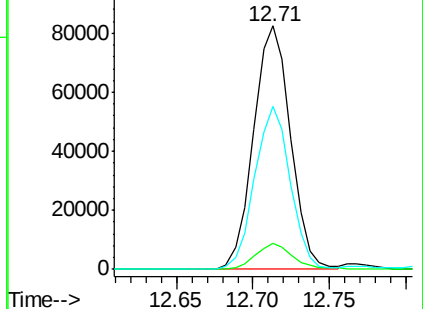
85 64.2 31.9 95.9



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: 94.446 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013197.D

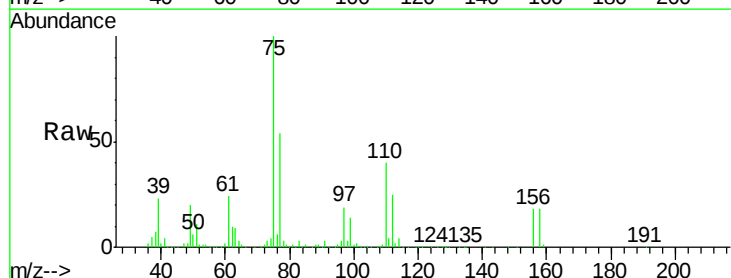
Acq: 20 Sep 2019 21:52

Tgt Ion: 75 Resp: 176671

Ion Ratio Lower Upper

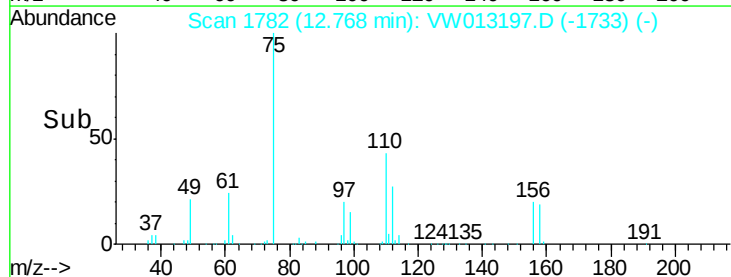
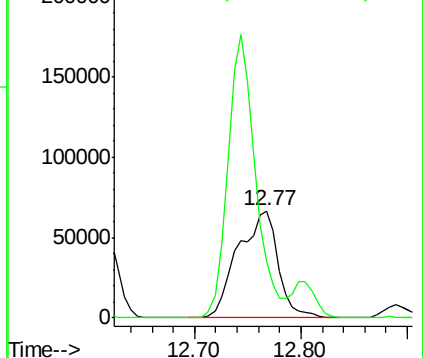
75 100

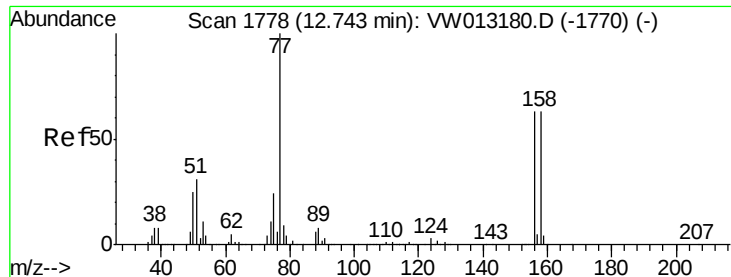
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 49.206 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

Instrument :

MSVOA_W

ClientSampled :

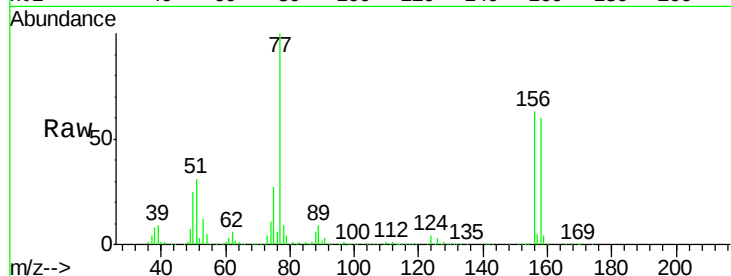
Tot Ion:156 Resp: 182452

Ion Ratio Lower Upper

156 100

77 176.7 85.7 257.1

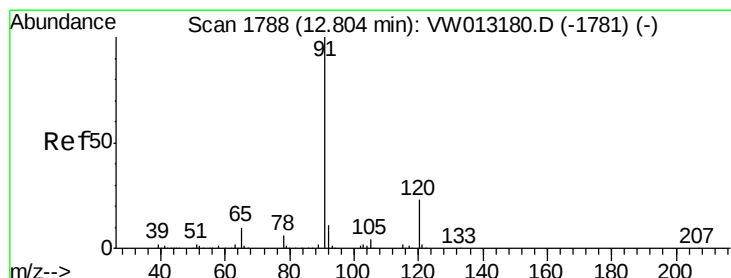
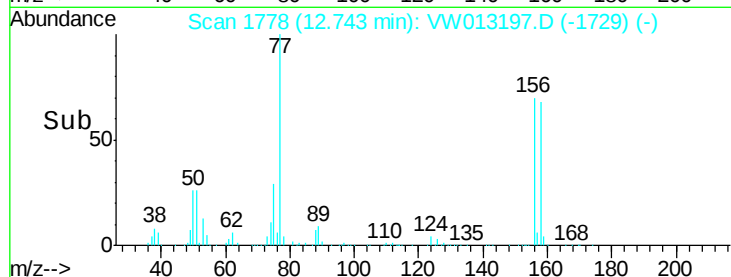
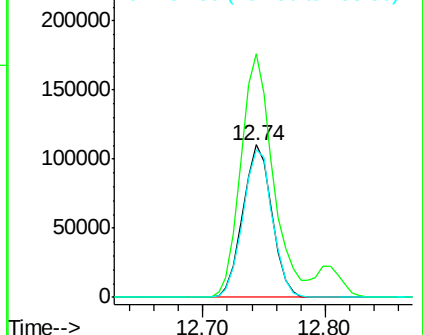
158 98.1 48.1 144.4



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: 49.976 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013197.D

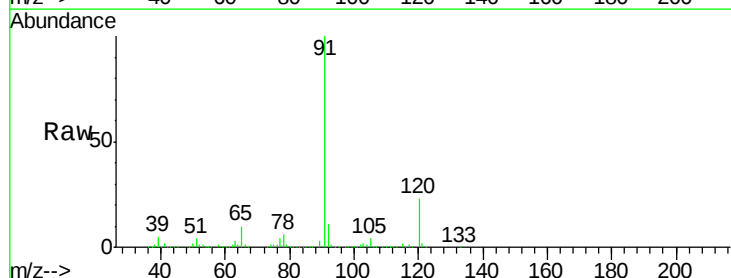
Acq: 20 Sep 2019 21:52

Tgt Ion: 91 Resp: 915324

Ion Ratio Lower Upper

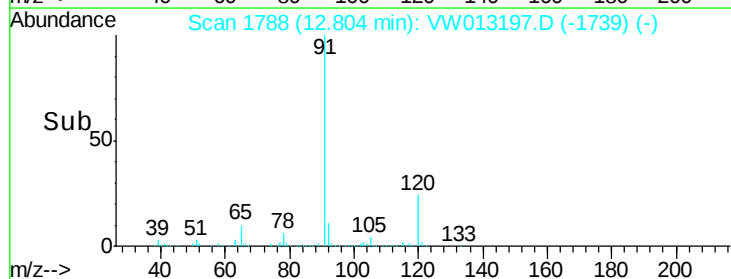
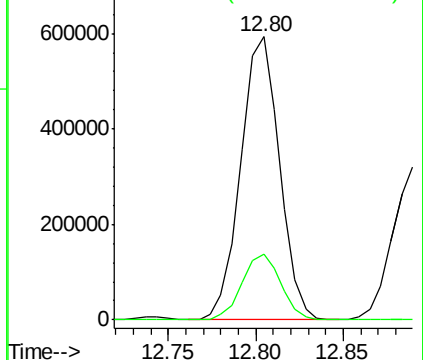
91 100

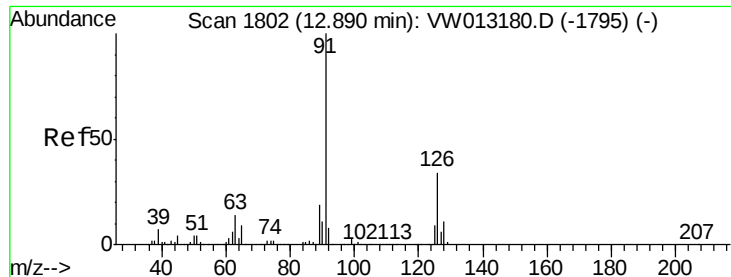
120 23.3 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.329 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

Instrument :

MSVOA_W

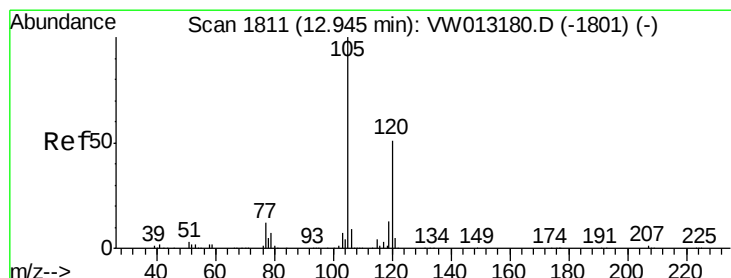
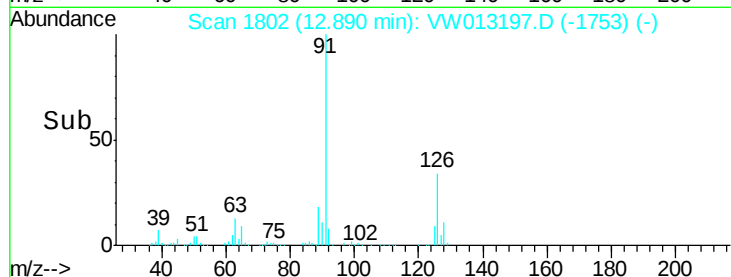
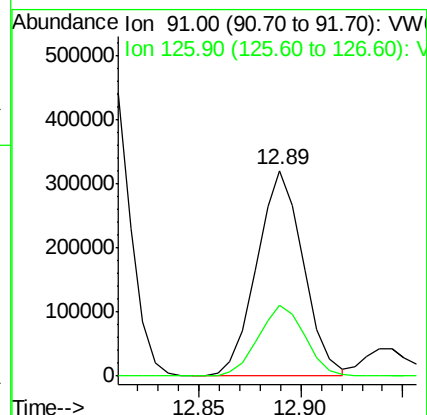
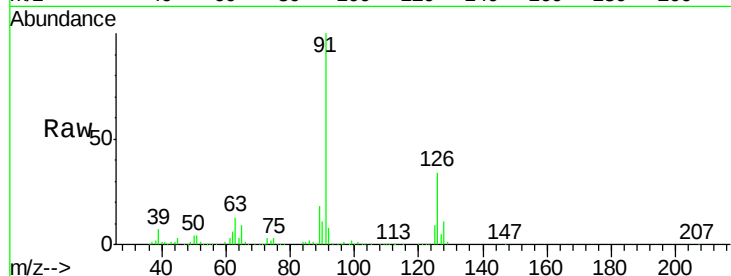
ClientSampleId :

Tot Ion: 91 Resp: 506163

Ion Ratio Lower Upper

91 100

126 34.6 17.2 51.5



#80

1,3,5-Trimethylbenzene

Concen: 49.611 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. -0.01 min

Lab File: VW013197.D

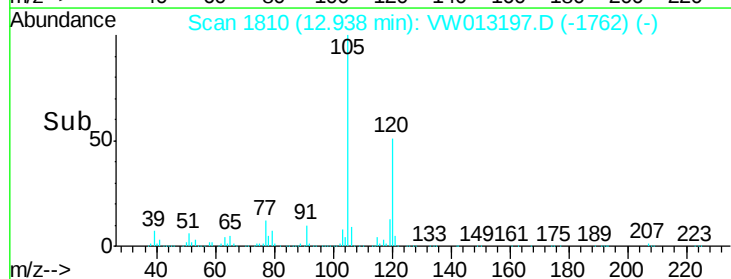
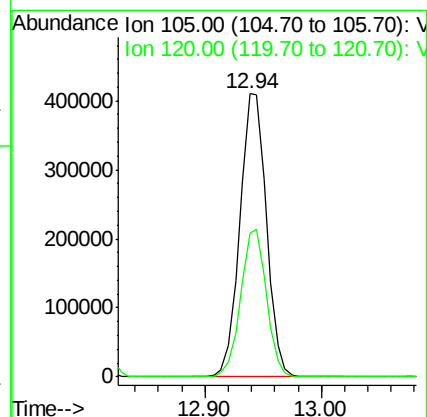
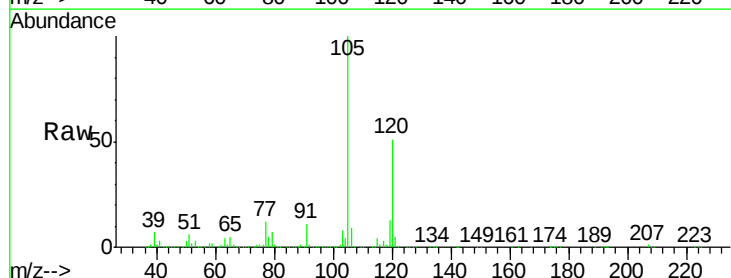
Acq: 20 Sep 2019 21:52

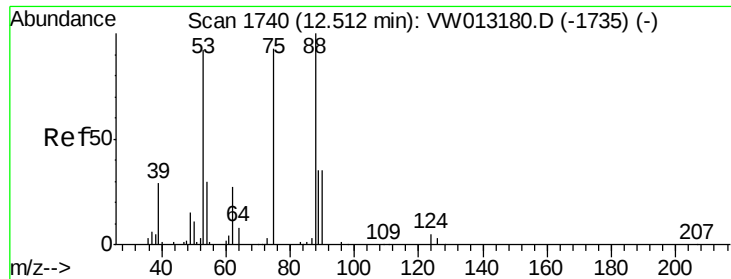
Tgt Ion:105 Resp: 652529

Ion Ratio Lower Upper

105 100

120 50.7 24.9 74.8





#81

trans-1,4-Dichloro-2-butene

Concen: 54.346 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

Instrument :

MSVOA_W

ClientSampleId :

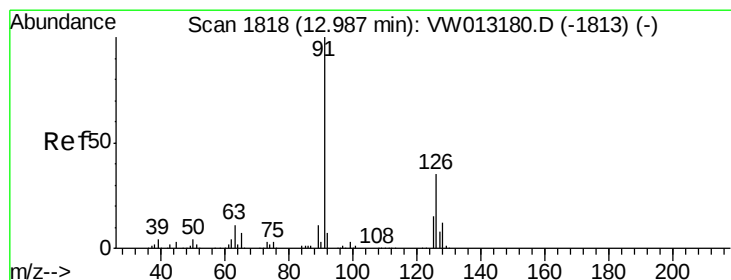
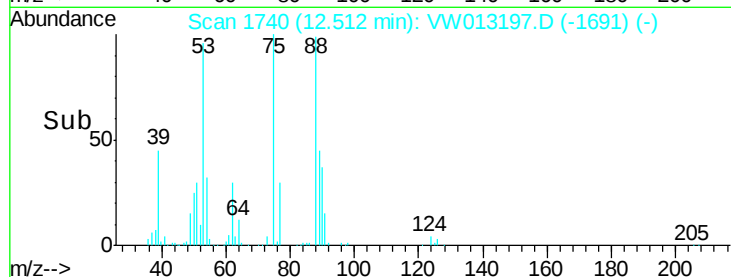
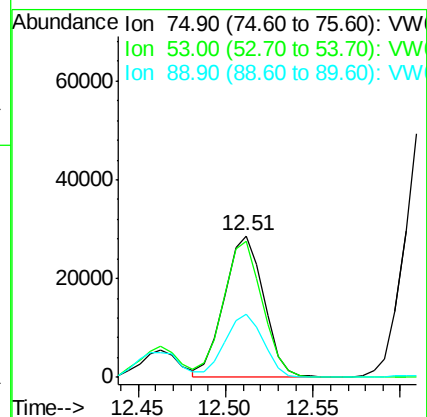
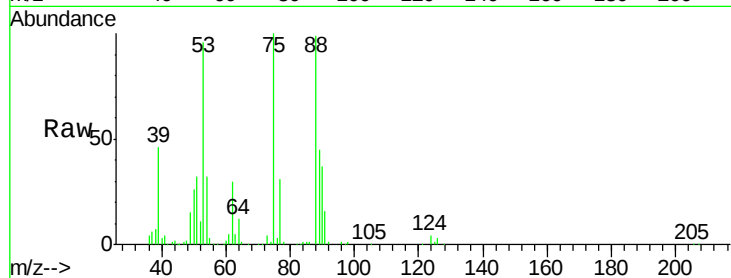
Tot Ion: 75 Resp: 45305

Ion Ratio Lower Upper

75 100

53 95.3 76.6 114.8

89 43.9 33.5 50.3



#82

4-Chlorotoluene

Concen: 49.056 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW013197.D

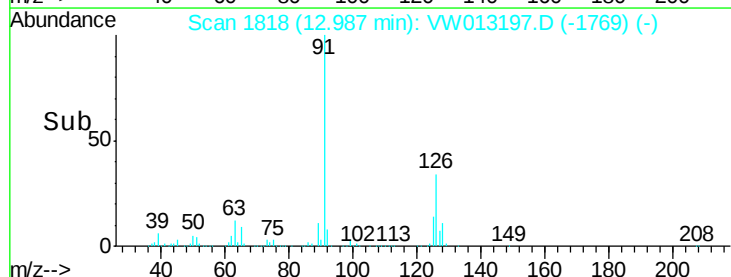
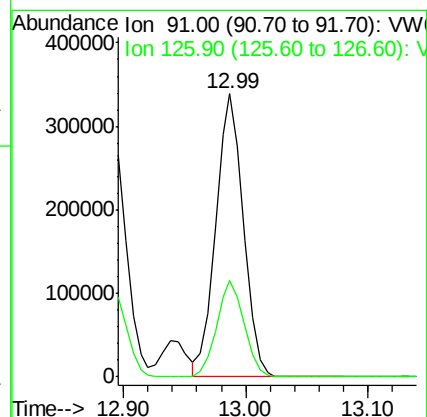
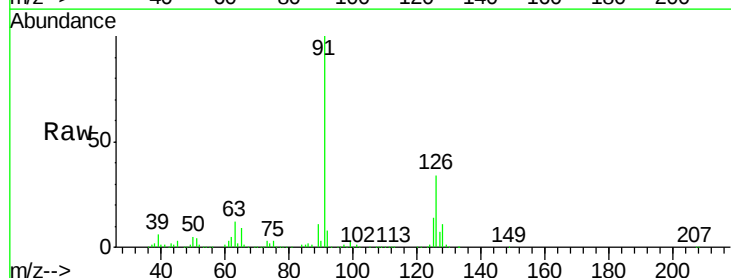
Acq: 20 Sep 2019 21:52

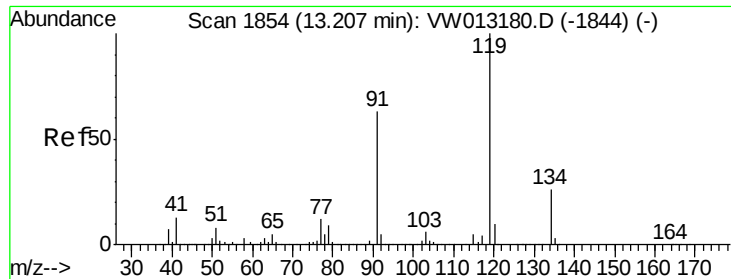
Tgt Ion: 91 Resp: 530813

Ion Ratio Lower Upper

91 100

126 33.8 17.3 51.7

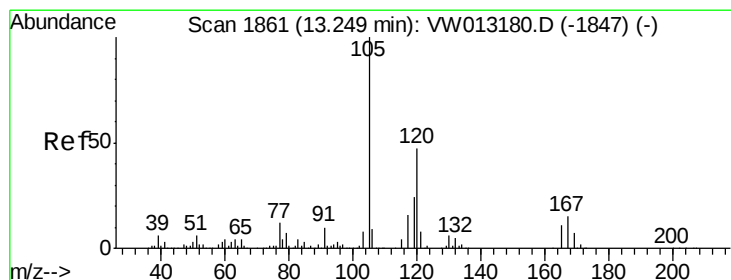
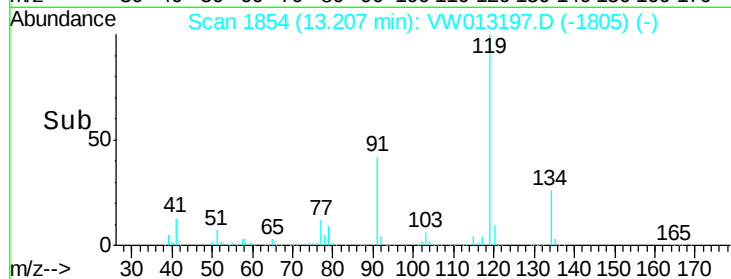
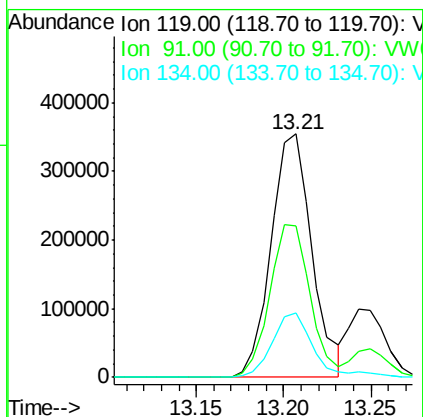
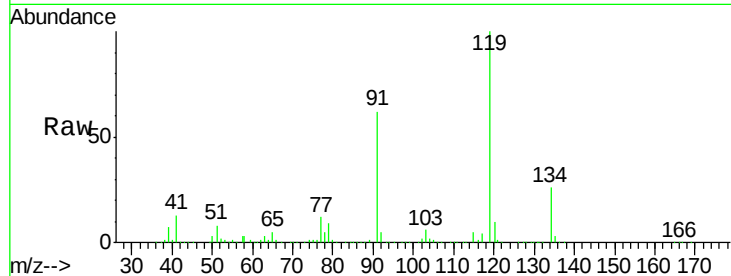




#83
tert-Butylbenzene
Concen: 50.023 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

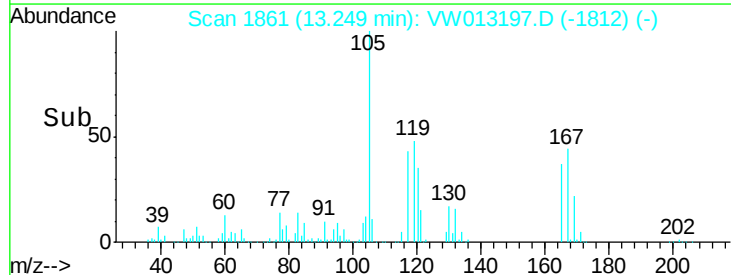
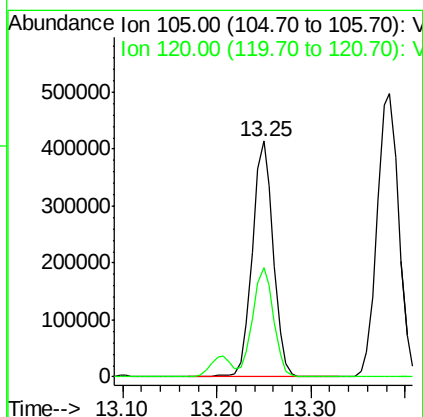
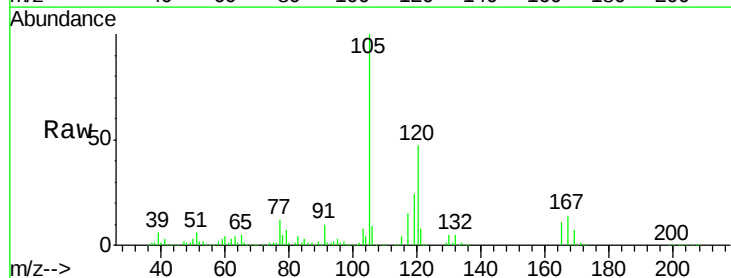
Instrument :
MSVOA_W
ClientSampleId :

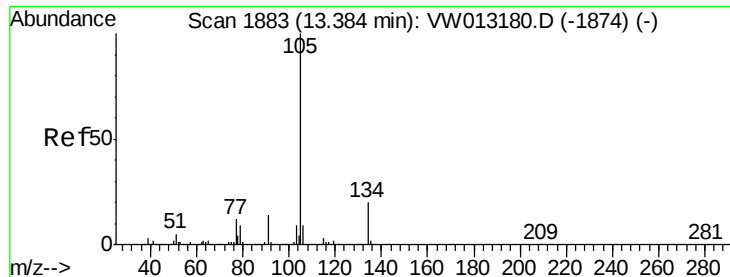
Tot Ion:119 Resp: 577486
Ion Ratio Lower Upper
119 100
91 62.2 30.7 92.1
134 27.0 12.6 37.6



#84
1,2,4-Trimethylbenzene
Concen: 49.568 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

Tgt Ion:105 Resp: 648757
Ion Ratio Lower Upper
105 100
120 46.6 23.4 70.3





#85

sec-Butylbenzene

Concen: 49.707 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

Instrument :

MSVOA_W

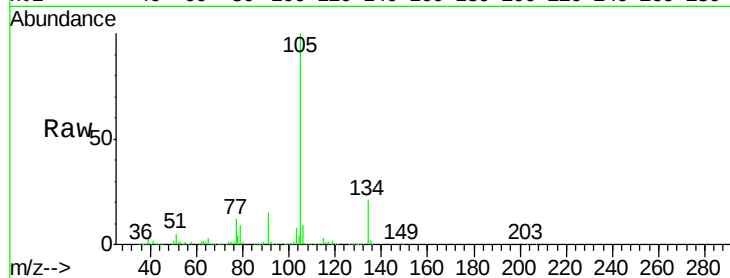
ClientSampleId :

Tot Ion:105 Resp: 791140

Ion Ratio Lower Upper

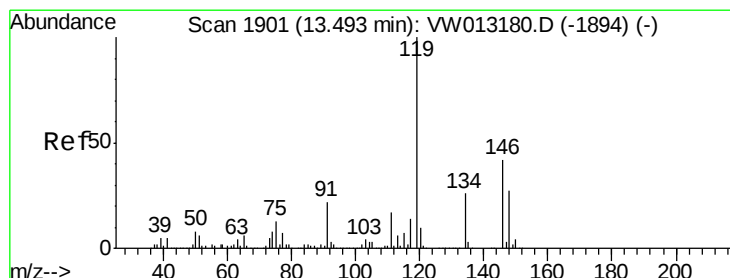
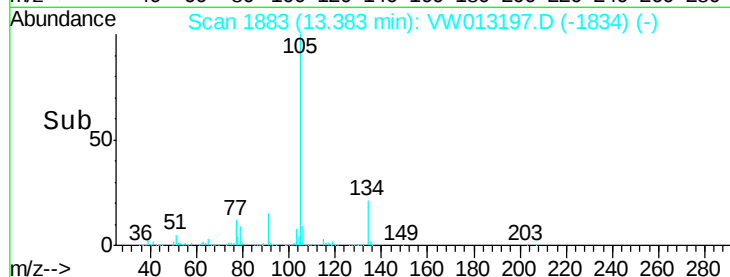
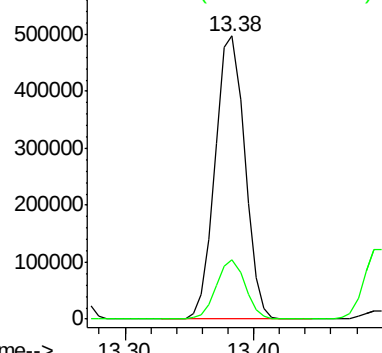
105 100

134 20.4 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.244 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. -0.00 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

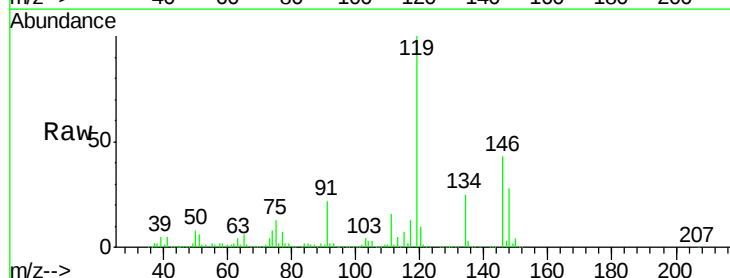
Tgt Ion:119 Resp: 741717

Ion Ratio Lower Upper

119 100

134 25.8 13.3 39.8

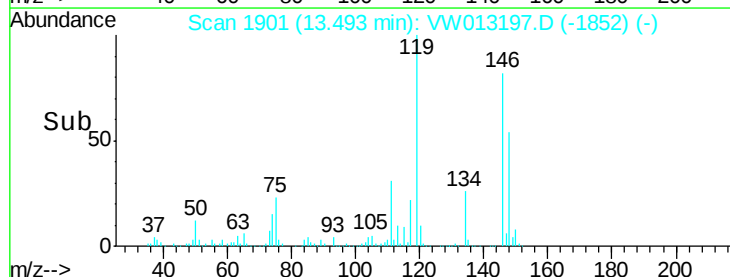
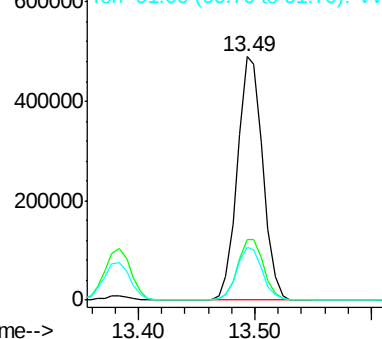
91 21.7 10.8 32.4

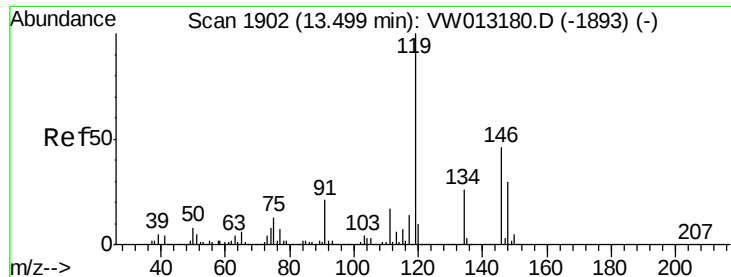


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

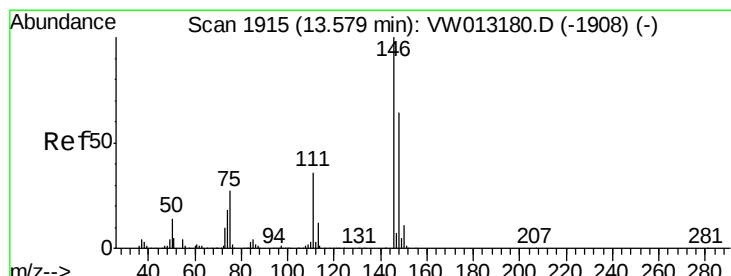
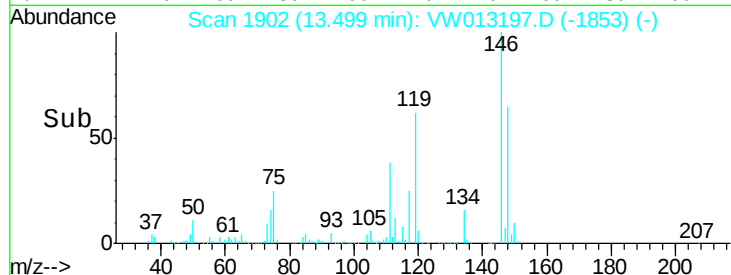
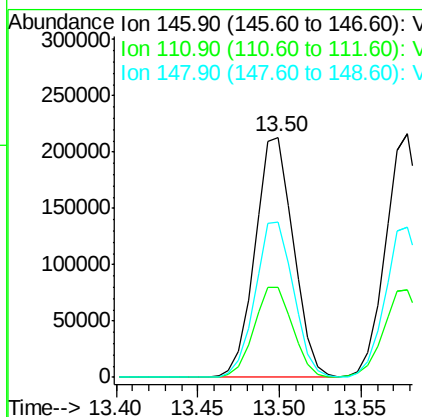
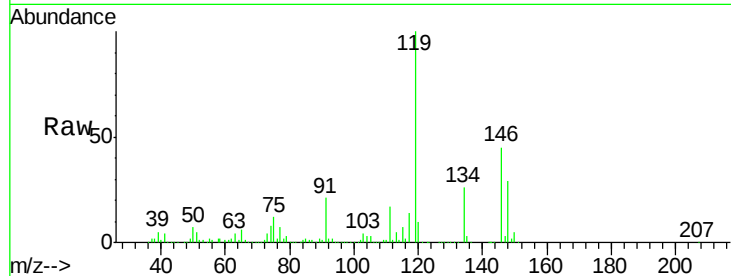




#87
 1,3-Dichlorobenzene
 Concen: 48.838 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

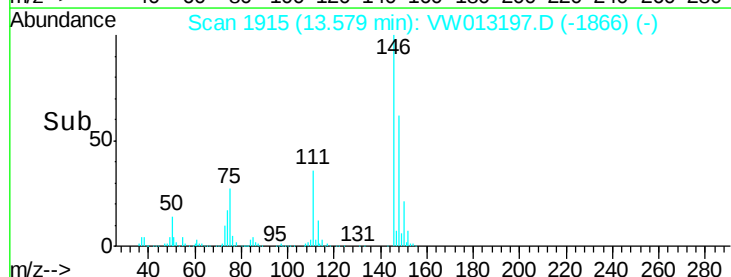
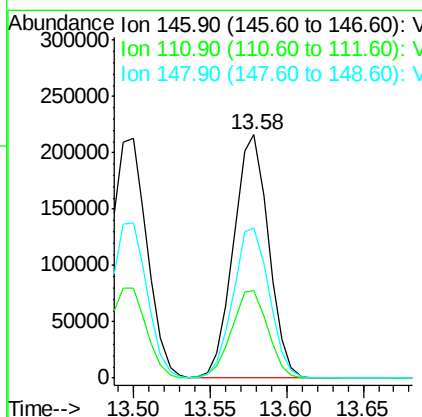
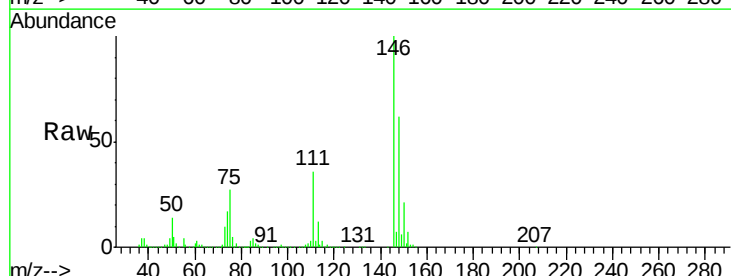
Instrument :
 MSVOA_W
 ClientSampleId :

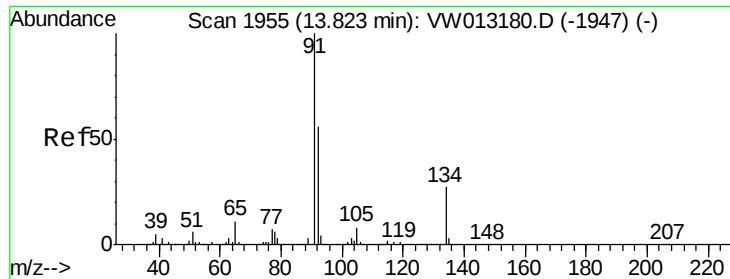
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.9	56.9
148	64.8	31.9	95.5



#88
 1,4-Dichlorobenzene
 Concen: 49.099 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.4	55.0
148	64.0	32.1	96.3





#89

n-Butylbenzene

Concen: 50.695 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

Instrument :

MSVOA_W

ClientSampled :

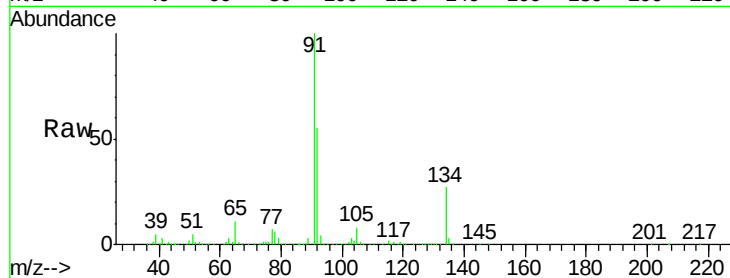
Tot Ion: 91 Resp: 683340

Ion Ratio Lower Upper

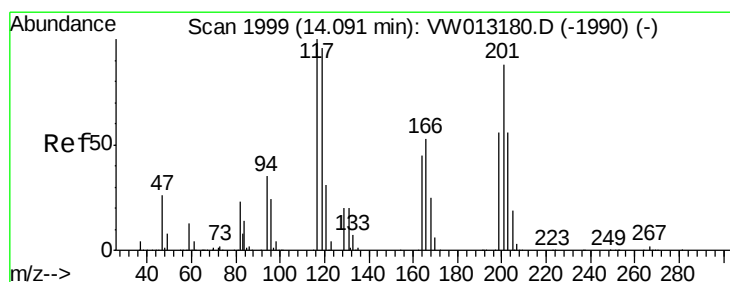
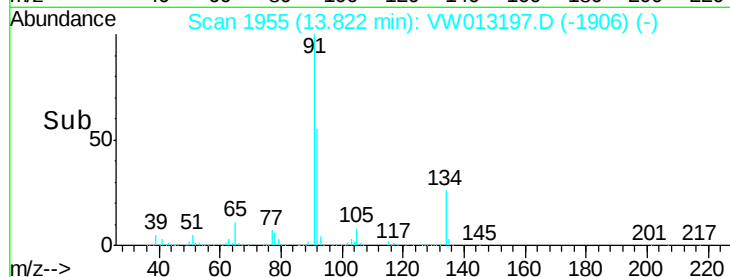
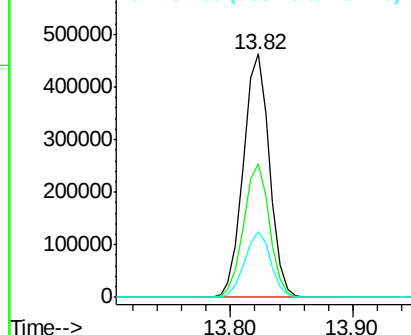
91 100

92 54.4 27.6 82.8

134 26.8 13.7 41.1



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 50.420 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW013197.D

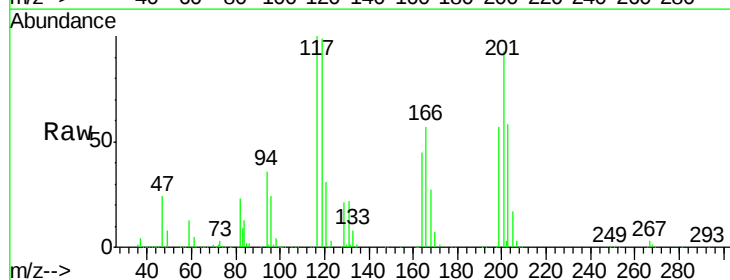
Acq: 20 Sep 2019 21:52

Tgt Ion: 117 Resp: 125038

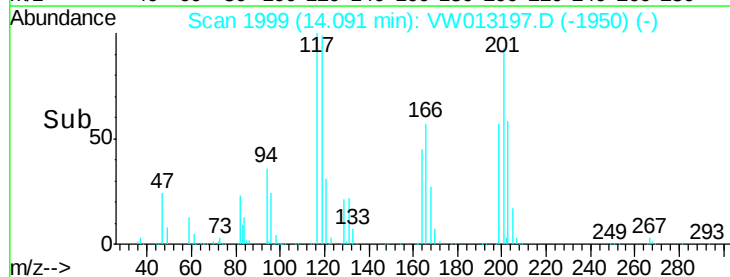
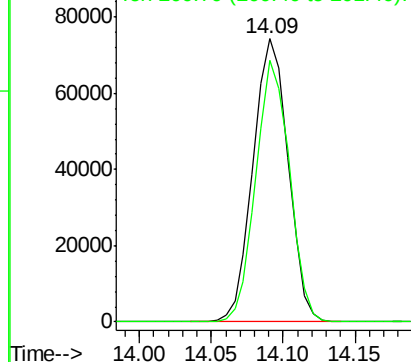
Ion Ratio Lower Upper

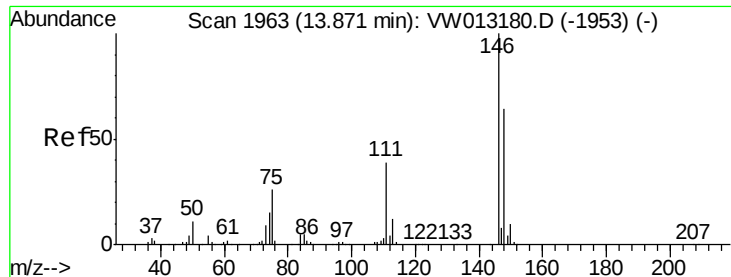
117 100

201 88.8 44.5 133.5



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 49.897 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

Instrument :

MSVOA_W

ClientSampleId :

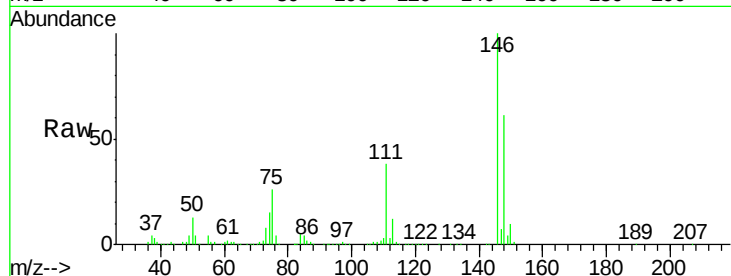
Tot Ion:146 Resp: 308044

Ion Ratio Lower Upper

146 100

111 39.6 20.1 60.3

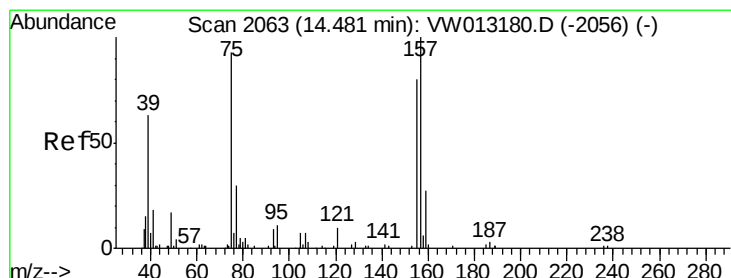
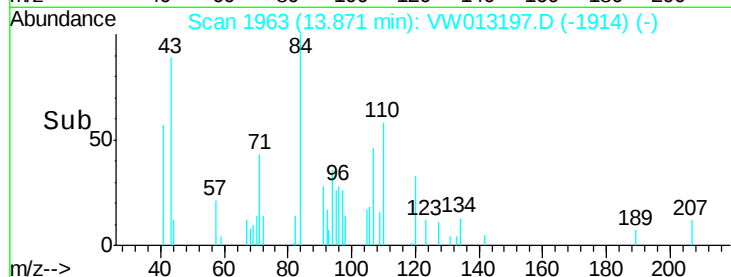
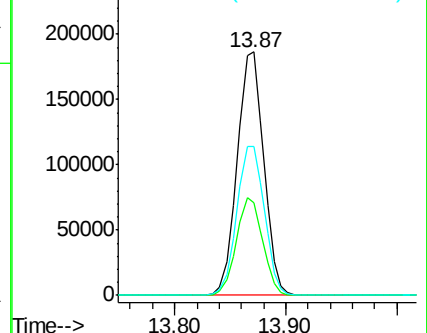
148 63.5 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 55.597 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

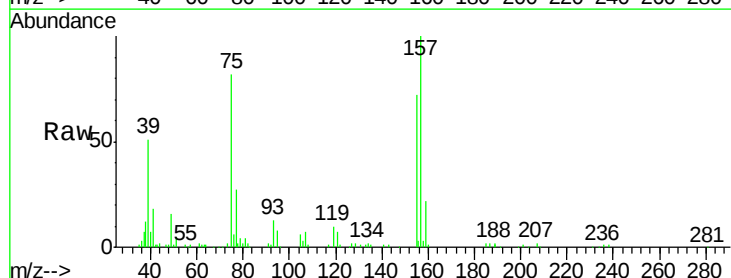
Tgt Ion: 75 Resp: 22253

Ion Ratio Lower Upper

75 100

155 95.4 46.1 138.3

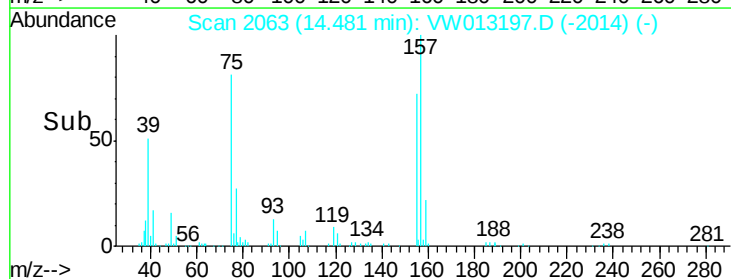
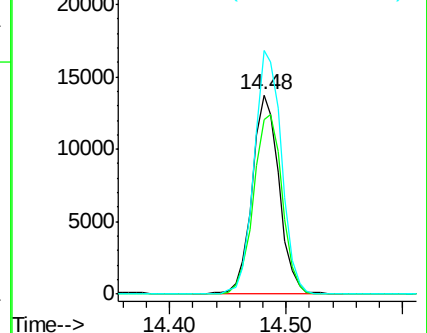
157 123.1 60.4 181.2

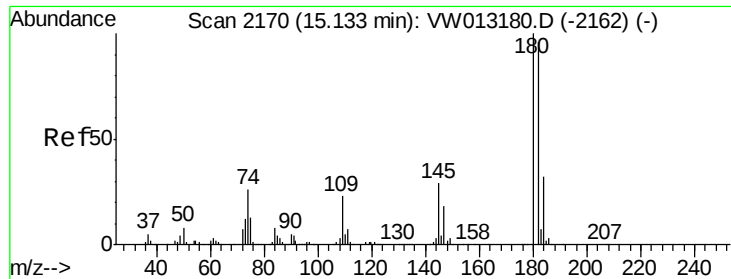


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

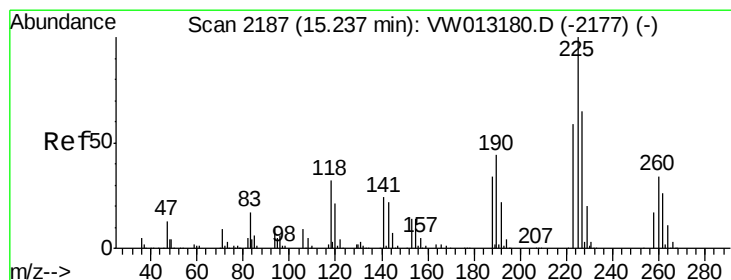
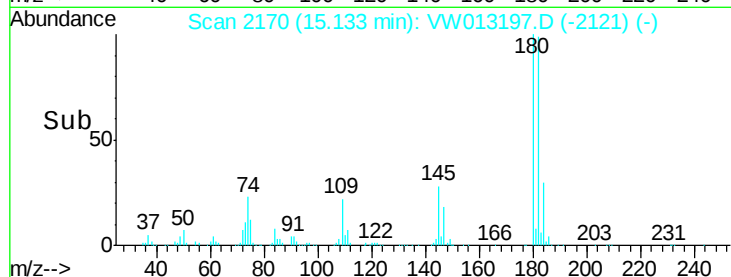
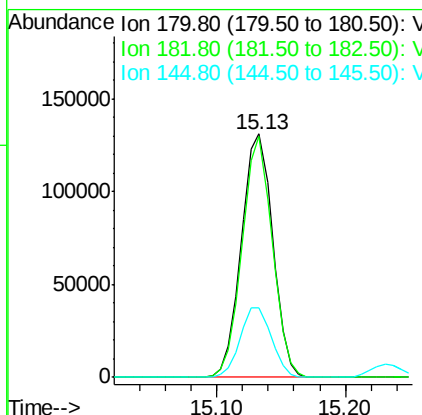
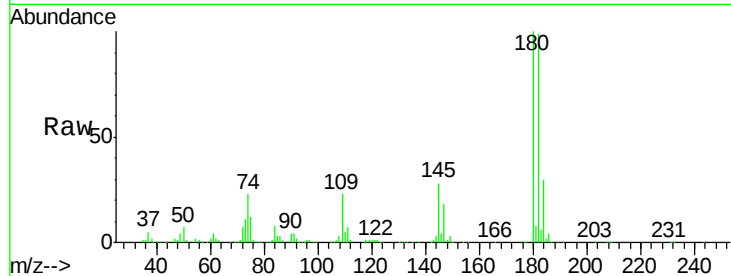




#93
 1,2,4-Trichlorobenzene
 Concen: 49.792 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

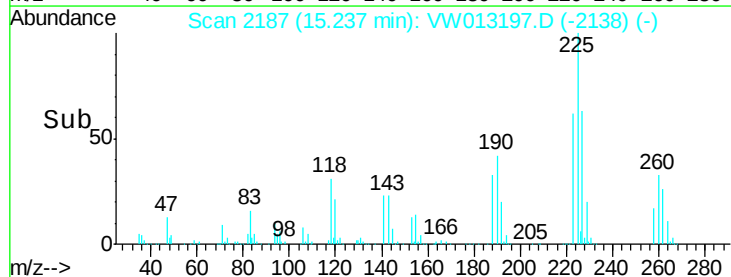
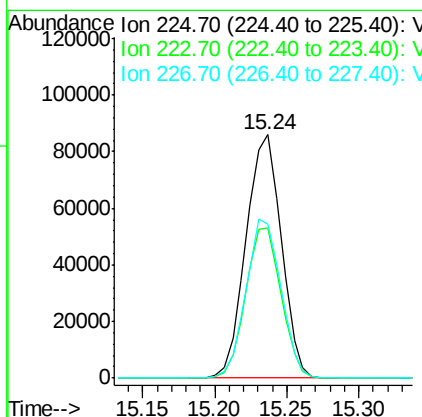
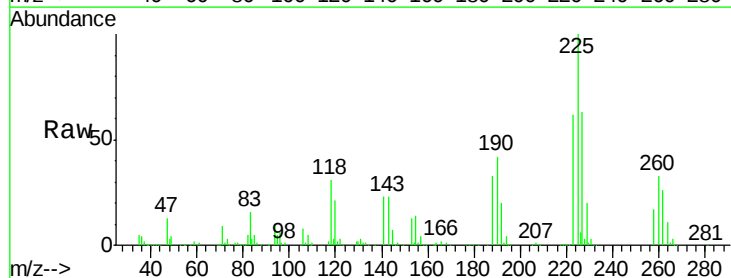
Instrument :
 MSVOA_W
 ClientSampleId :

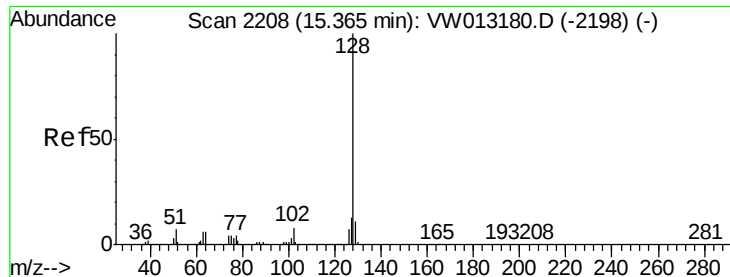
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.3	142.0
145	28.7	14.2	42.8



#94
 Hexachlorobutadiene
 Concen: 48.144 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.8	30.6	91.8
227	64.5	31.9	95.9

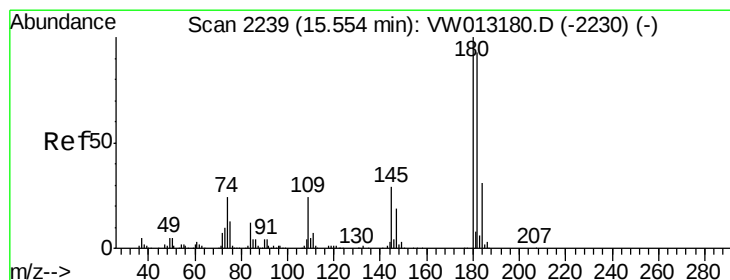
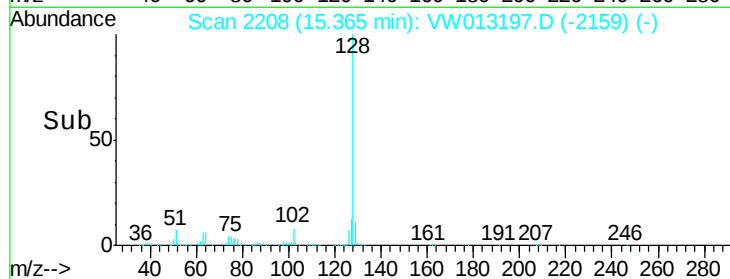
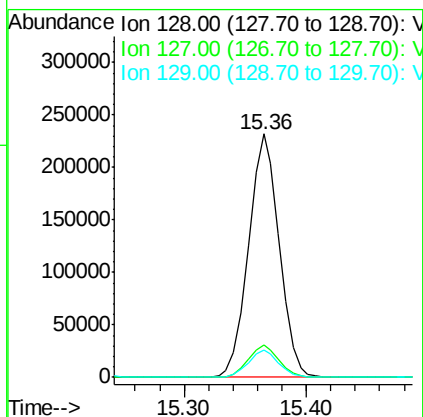
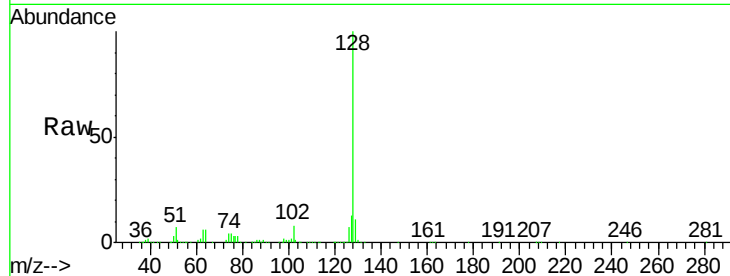




#95
Naphthalene
Concen: 55.783 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 403612
Ion Ratio Lower Upper
128 100
127 13.3 10.6 15.8
129 11.1 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 50.579 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

Tgt Ion:180 Resp: 193341
Ion Ratio Lower Upper
180 100
182 95.5 47.9 143.7
145 30.2 15.0 45.0

