

Data File : VW008644.D
Acq On : 13 Feb 2019 16:55
Operator : SY/VA
Sample : VSTDICV050
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVW021319

Quant Time: Feb 14 04:12:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
Quant Title : SW846 8260
QLast Update : Thu Feb 14 04:06:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	408407	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	615292	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	549191	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	304582	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	217195	51.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.30%	
35) Dibromofluoromethane	7.88	113	195221	51.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.20%	
50) Toluene-d8	10.32	98	765405	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	
62) 4-Bromofluorobenzene	12.62	95	290974	52.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	135300	51.724	ug/l	96
3) Chloromethane	2.21	50	224541	59.545	ug/l	100
4) Vinyl Chloride	2.37	62	284423	57.420	ug/l	97
5) Bromomethane	2.78	94	193925	49.477	ug/l	96
6) Chloroethane	2.92	64	187948	50.993	ug/l	99
7) Trichlorofluoromethane	3.25	101	219476	56.889	ug/l	98
8) Diethyl Ether	3.67	74	113806	49.433	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	203825	49.994	ug/l	97
10) Methyl Iodide	4.26	142	313692	49.297	ug/l	100
11) Tert butyl alcohol	5.18	59	78227	230.273	ug/l	100
12) 1,1-Dichloroethene	4.03	96	197616	49.564	ug/l	93
13) Acrolein	3.89	56	83071	237.341	ug/l	96
14) Allyl chloride	4.66	41	340973	51.473	ug/l	99
15) Acrylonitrile	5.36	53	237107	244.686	ug/l	98
16) Acetone	4.12	43	277745	287.463	ug/l	95
17) Carbon Disulfide	4.37	76	611191	50.796	ug/l	97
18) Methyl Acetate	4.66	43	105463	47.767	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	345234	49.324	ug/l	98
20) Methylene Chloride	4.90	84	203842	47.527	ug/l	92
21) trans-1,2-Dichloroethene	5.41	96	216069	49.484	ug/l	95
22) Diisopropyl ether	6.31	45	676604	50.748	ug/l	97
23) Vinyl Acetate	6.25	43	2197716	253.980	ug/l	100
24) 1,1-Dichloroethane	6.21	63	383269	49.818	ug/l	99
25) 2-Butanone	7.17	43	356589	261.369	ug/l	100
26) 2,2-Dichloropropane	7.17	77	252065	52.446	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	236638	50.119	ug/l	99
28) Bromochloromethane	7.51	49	172038	52.972	ug/l	99
29) Tetrahydrofuran	7.52	42	217279	241.625	ug/l	100
30) Chloroform	7.67	83	384326	49.855	ug/l	99
31) Cyclohexane	7.95	56	376055	48.428	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	332987	51.146	ug/l	99
36) 1,1-Dichloropropene	8.08	75	320150	51.790	ug/l	99
37) Ethyl Acetate	7.25	43	150787	50.566	ug/l	99
38) Carbon Tetrachloride	8.06	117	319737	52.015	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	409055	52.317	ug/l	98
40) Benzene	8.32	78	855036	50.645	ug/l	100
41) Methacrylonitrile	7.48	41	90059	53.678	ug/l	96
42) 1,2-Dichloroethane	8.40	62	266974	50.981	ug/l	100
43) Isopropyl Acetate	8.42	43	300938	50.612	ug/l	98
44) Trichloroethene	9.09	130	235189	50.243	ug/l	98
45) 1,2-Dichloropropane	9.37	63	212546	50.870	ug/l	97
46) Dibromomethane	9.45	93	113907	49.490	ug/l	97
47) Bromodichloromethane	9.64	83	284482	51.430	ug/l	100
48) Methyl methacrylate	9.43	41	144378	52.394	ug/l	98
49) 1,4-Dioxane	9.45	88	36540	994.581	ug/l #	93
51) 4-Methyl-2-Pentanone	10.21	43	779366	255.160	ug/l	100
52) Toluene	10.38	92	562841	51.677	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	303697	52.262	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	346822	52.650	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	156225	49.468	ug/l	97
56) Ethyl methacrylate	10.65	69	220173	52.503	ug/l	99
57) 1,3-Dichloropropane	10.93	76	284619	50.795	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	506461	251.764	ug/l	100
59) 2-Hexanone	10.97	43	567099	264.292	ug/l	100
60) Dibromochloromethane	11.13	129	191364	50.643	ug/l	100
61) 1,2-Dibromoethane	11.23	107	156418	50.304	ug/l	100
64) Tetrachloroethene	10.86	164	201886	49.433	ug/l	94
65) Chlorobenzene	11.66	112	603180	50.957	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	214605	51.178	ug/l	99
67) Ethyl Benzene	11.73	91	1108802	52.586	ug/l	99
68) m/p-Xylenes	11.84	106	856760	104.430	ug/l	98
69) o-Xylene	12.16	106	404287	52.133	ug/l	98
70) Styrene	12.18	104	666334	52.606	ug/l	99
71) Bromoform	12.35	173	119626	52.946	ug/l #	100
73) Isopropylbenzene	12.46	105	1146801	50.547	ug/l	100
74) N-amyl acetate	12.27	43	309904	50.513	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	193063	48.909	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	270997	90.104	ug/l #	100
77) Bromobenzene	12.75	156	256061	49.099	ug/l	99
78) n-propylbenzene	12.80	91	1383889	51.337	ug/l	99
79) 2-Chlorotoluene	12.90	91	781679	51.307	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	952944	50.568	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	64920	47.713	ug/l	98
82) 4-Chlorotoluene	12.99	91	824282	51.052	ug/l	99
83) tert-Butylbenzene	13.21	119	836061	51.094	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	989073	51.066	ug/l	99
85) sec-Butylbenzene	13.38	105	1235419	51.852	ug/l	99
86) p-Isopropyltoluene	13.50	119	1095573	51.400	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	525364	49.693	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	521047	50.007	ug/l	99
89) n-Butylbenzene	13.83	91	1054357	52.054	ug/l	99
90) Hexachloroethane	14.10	117	195529	52.507	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	465457	49.692	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	35431	51.653	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW021319\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	331426	49.706	ug/l	99
94) Hexachlorobutadiene	15.24	225	196632	50.662	ug/l	98
95) Naphthalene	15.37	128	599774	50.194	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	283547	49.557	ug/l	99

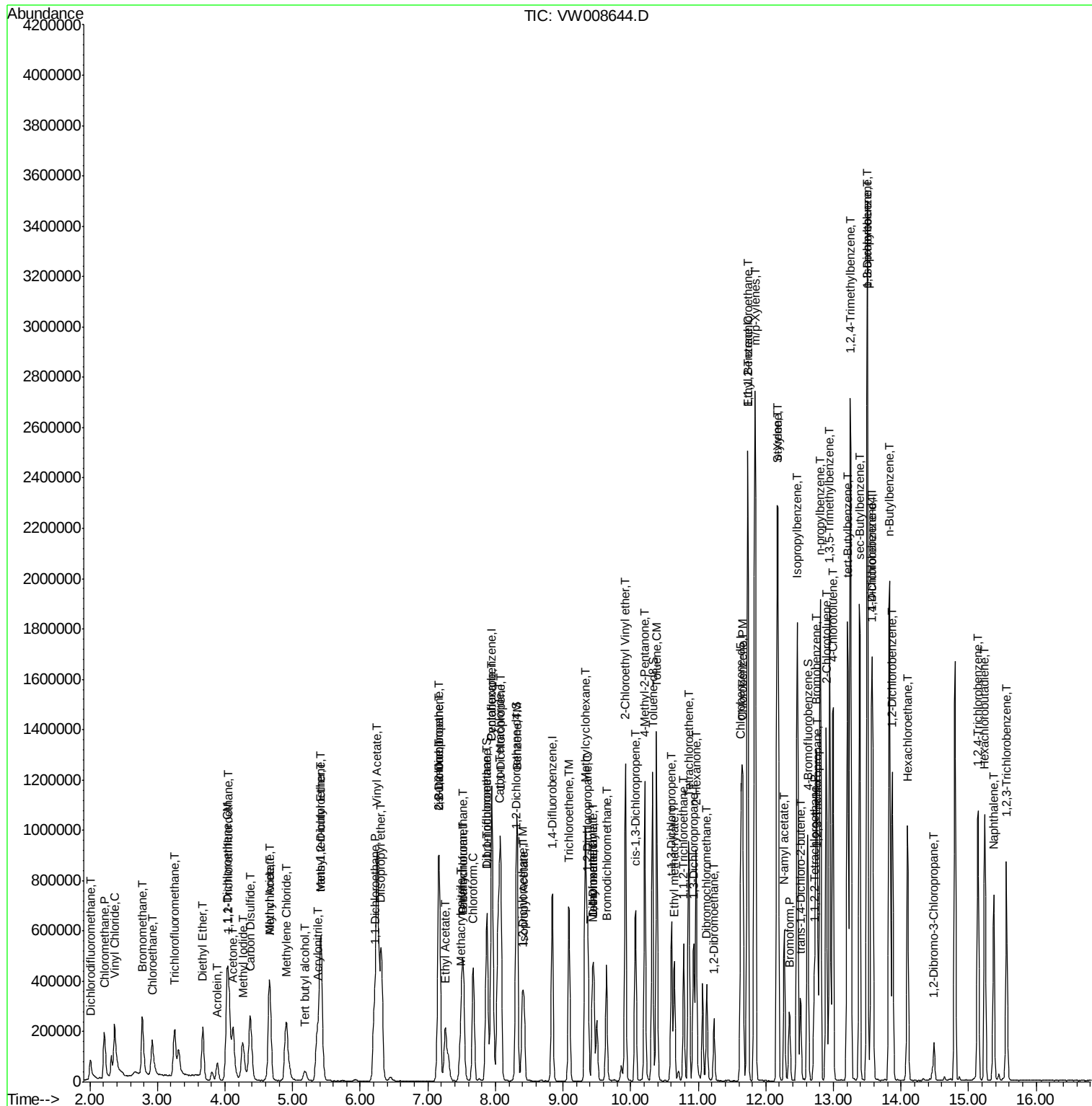
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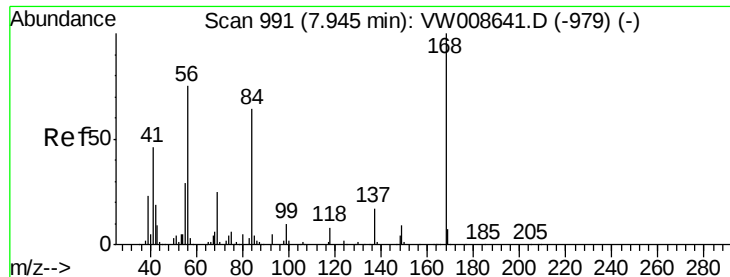
Data File : VW008644.D

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

Instrument :

MSVOA_W

ClientSampleId :

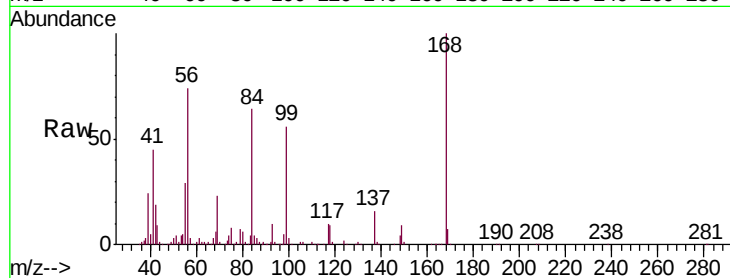
ICVW021319

Tgt Ion:168 Resp: 408407

Ion Ratio Lower Upper

168 100

99 55.6 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

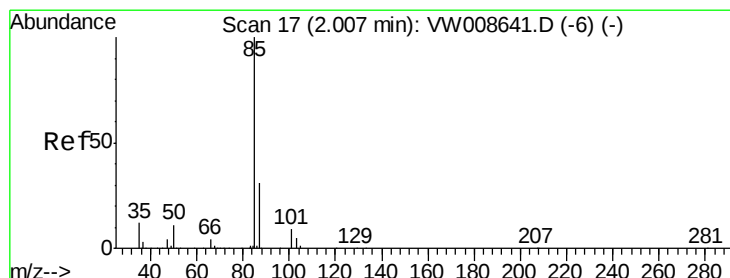
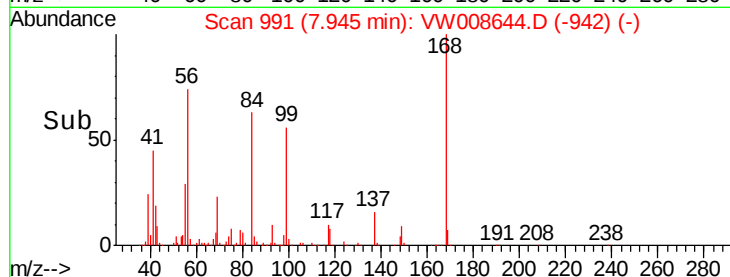
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 51.724 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW008644.D

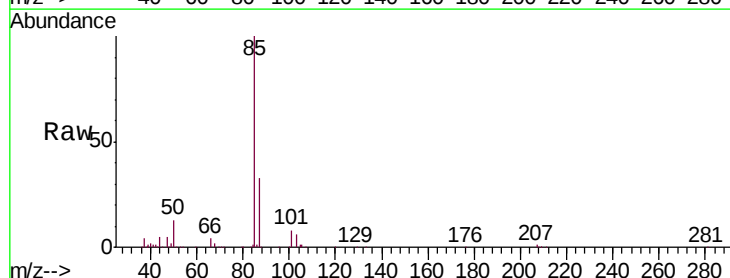
Acq: 13 Feb 2019 16:55

Tgt Ion: 85 Resp: 135300

Ion Ratio Lower Upper

85 100

87 33.3 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

50000

40000

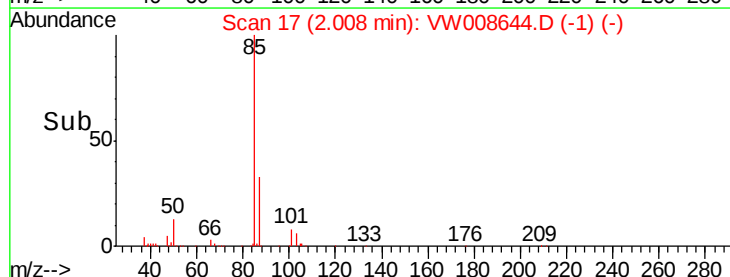
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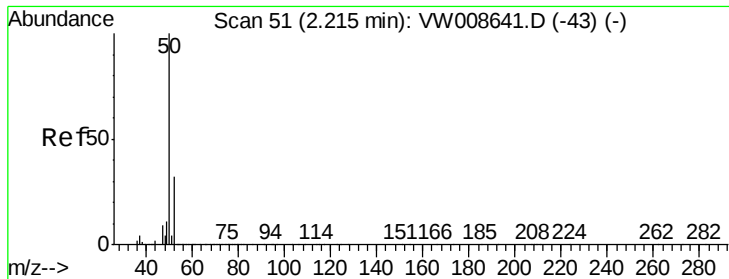
20000

10000

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Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 59.545 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

Instrument :

MSVOA_W

ClientSampleId :

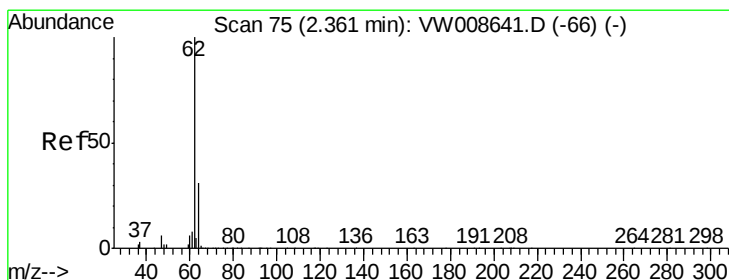
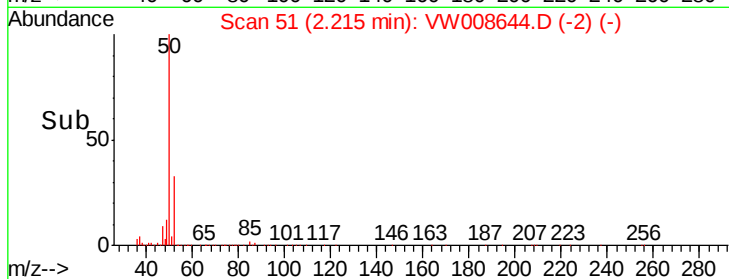
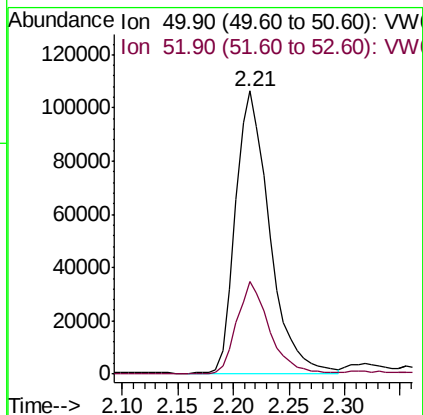
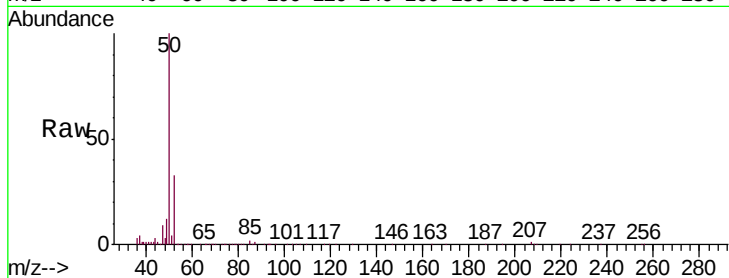
ICVW021319

Tgt Ion: 50 Resp: 224541

Ion Ratio Lower Upper

50 100

52 32.7 26.0 39.0



#4

Vinyl Chloride

Concen: 57.420 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.01 min

Lab File: VW008644.D

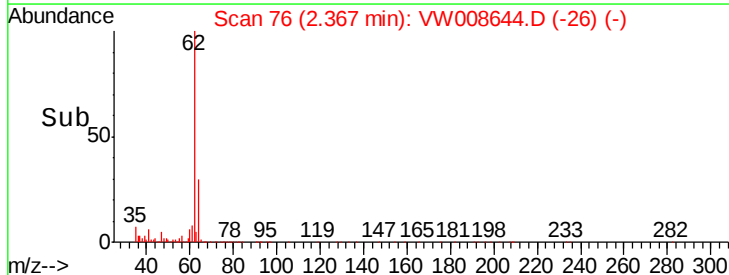
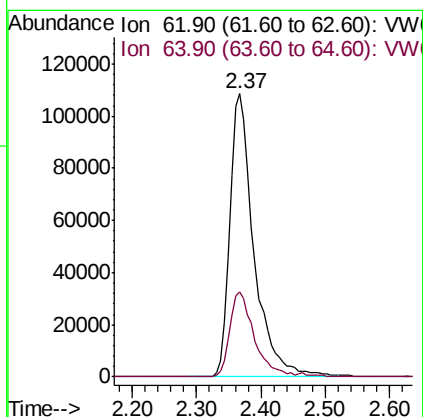
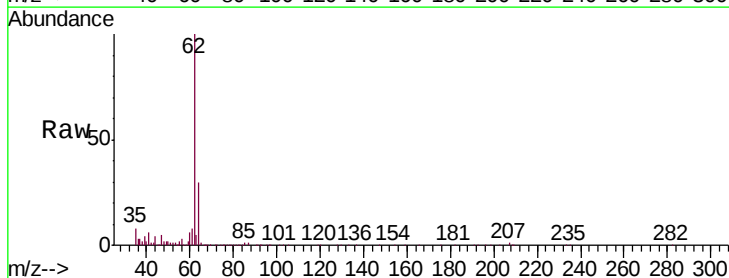
Acq: 13 Feb 2019 16:55

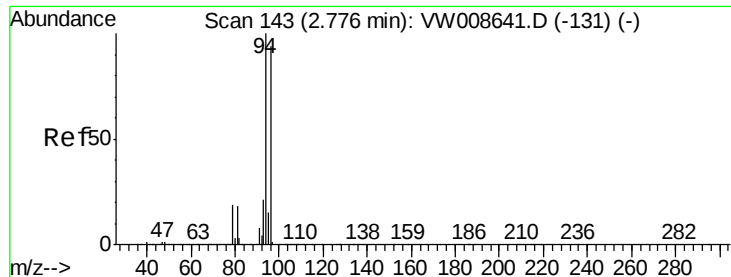
Tgt Ion: 62 Resp: 284423

Ion Ratio Lower Upper

62 100

64 30.0 25.1 37.7





#5

Bromomethane

Concen: 49.477 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

Instrument :

MSVOA_W

ClientSampleId :

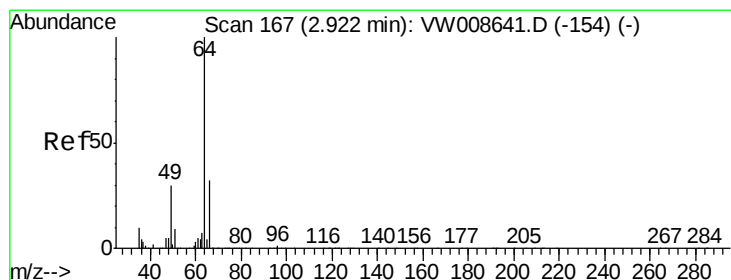
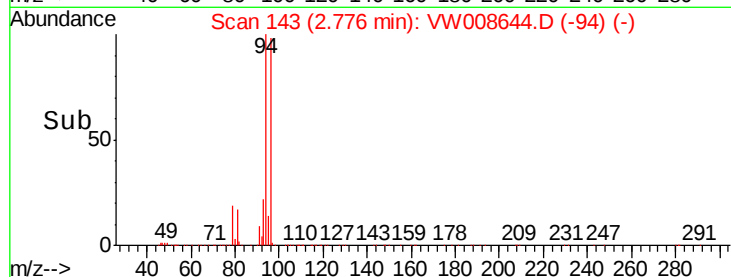
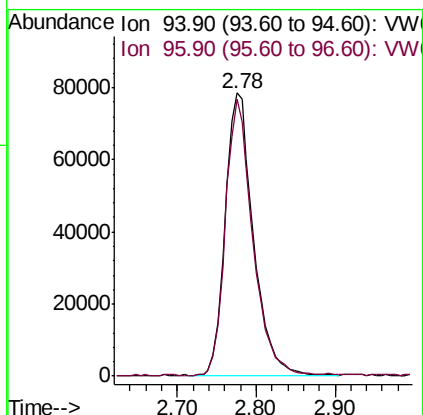
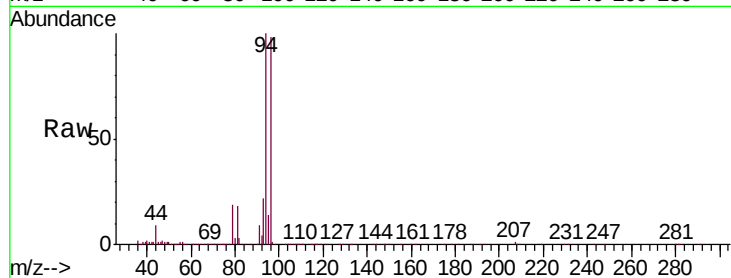
ICVW021319

Tgt Ion: 94 Resp: 193925

Ion Ratio Lower Upper

94 100

96 98.0 75.5 113.3



#6

Chloroethane

Concen: 50.993 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW008644.D

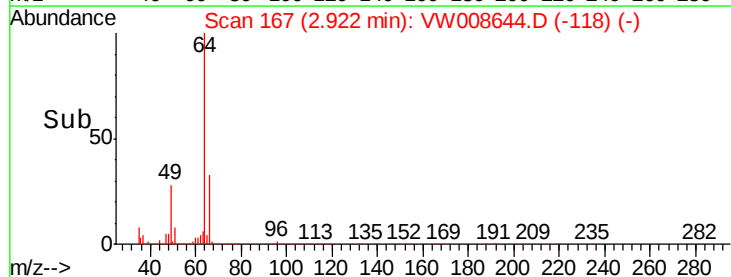
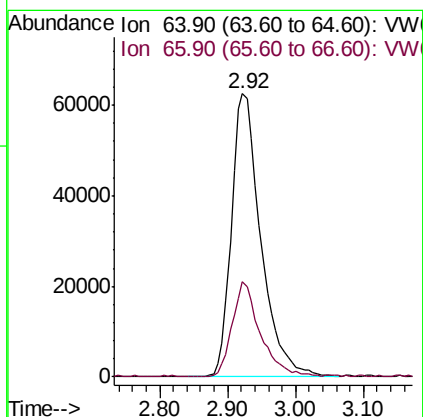
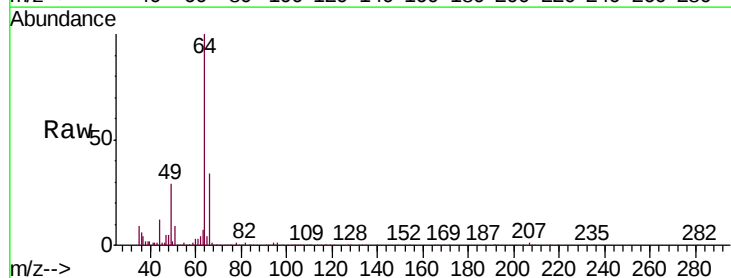
Acq: 13 Feb 2019 16:55

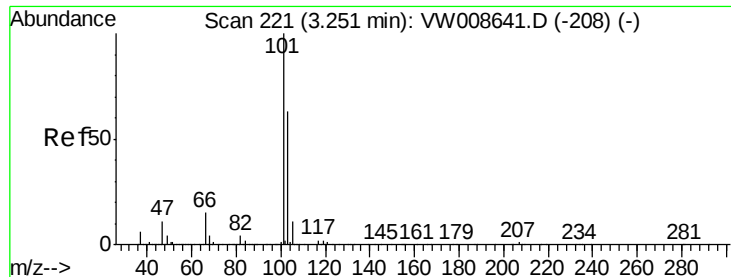
Tgt Ion: 64 Resp: 187948

Ion Ratio Lower Upper

64 100

66 33.6 26.2 39.4



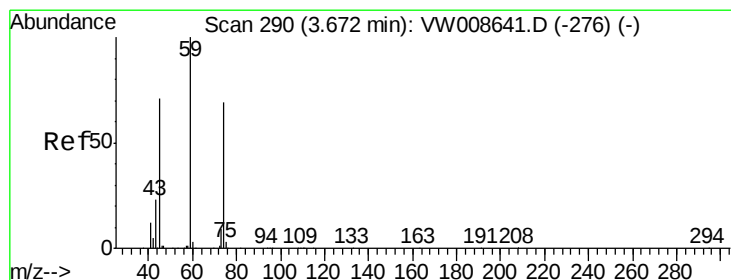
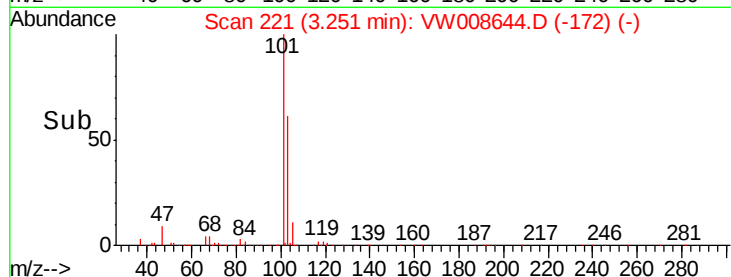
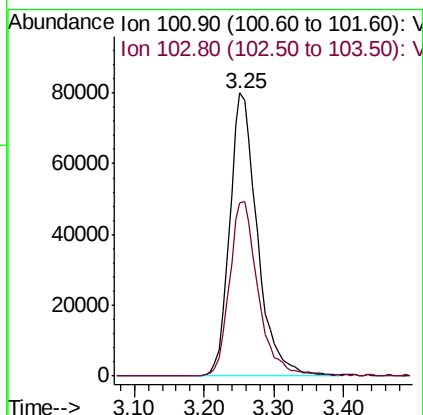
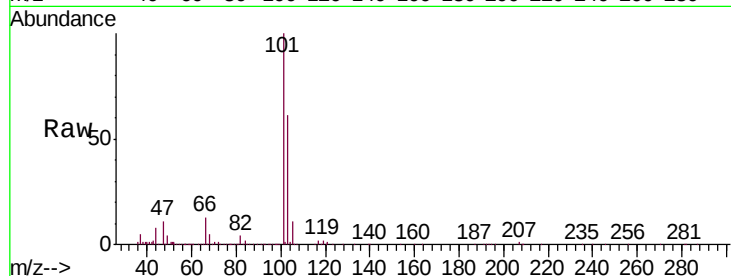


#7

Trichlorofluoromethane
Concen: 56.889 ug/l
RT: 3.25 min Scan# 221
Delta R.T. 0.00 min
Lab File: VW008644.D
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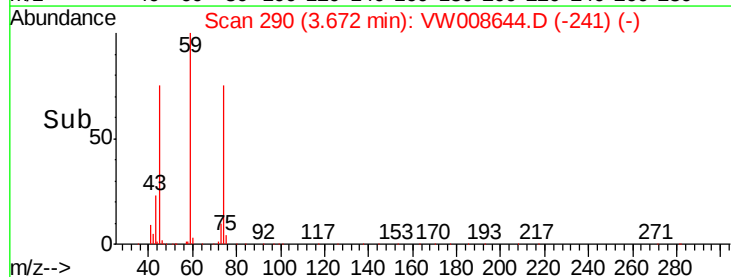
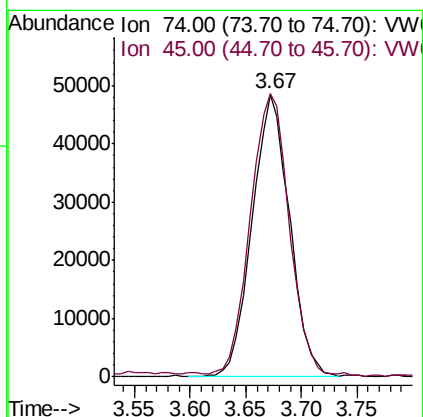
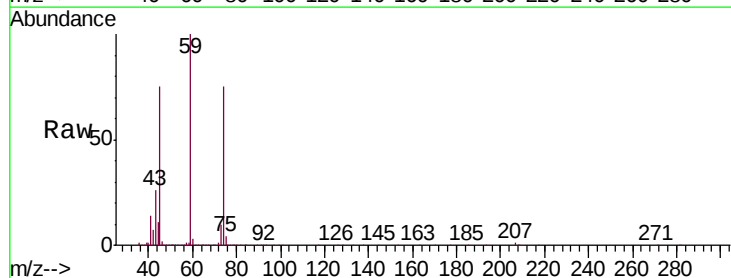
Tgt Ion:101 Resp: 219476
Ion Ratio Lower Upper
101 100
103 61.3 50.5 75.7

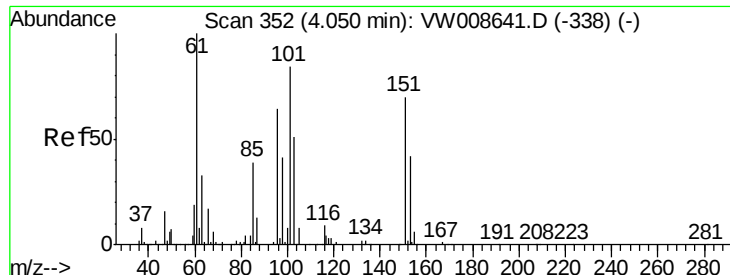


#8

Diethyl Ether
Concen: 49.433 ug/l
RT: 3.67 min Scan# 290
Delta R.T. 0.00 min
Lab File: VW008644.D
Acq: 13 Feb 2019 16:55

Tgt Ion: 74 Resp: 113806
Ion Ratio Lower Upper
74 100
45 103.8 50.2 150.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.994 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

Instrument :

MSVOA_W

ClientSampleId :

ICVW021319

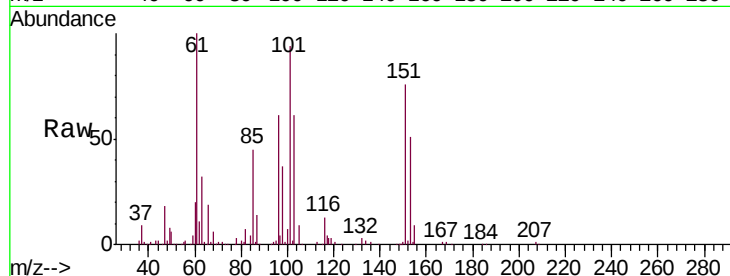
Tgt Ion:101 Resp: 203825

Ion Ratio Lower Upper

101 100

85 45.0 34.3 51.5

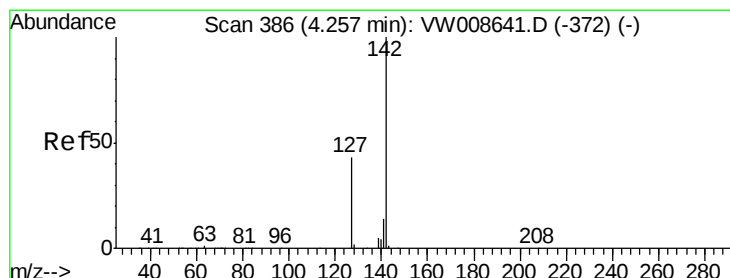
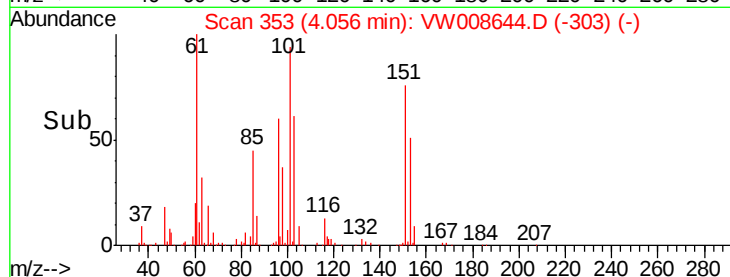
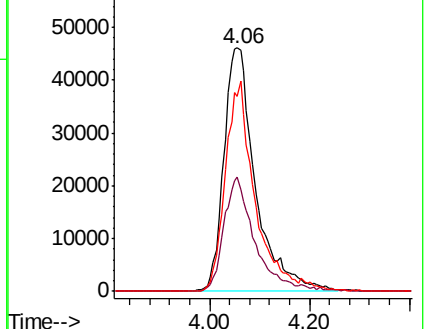
151 78.8 65.6 98.4



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: 49.297 ug/l

RT: 4.26 min Scan# 387

Delta R.T. 0.01 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

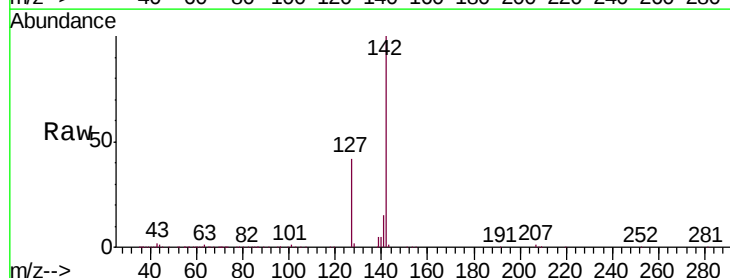
Tgt Ion:142 Resp: 313692

Ion Ratio Lower Upper

142 100

127 43.7 34.8 52.2

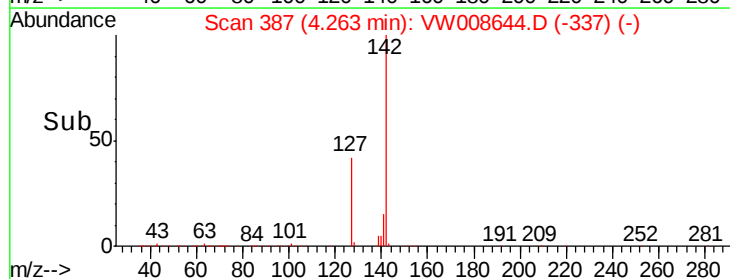
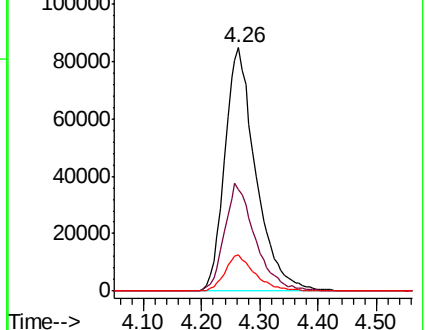
141 14.5 11.8 17.8

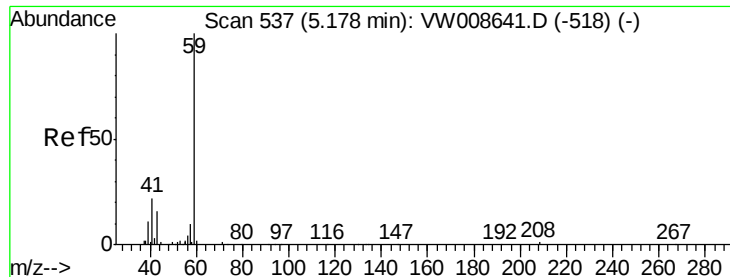


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



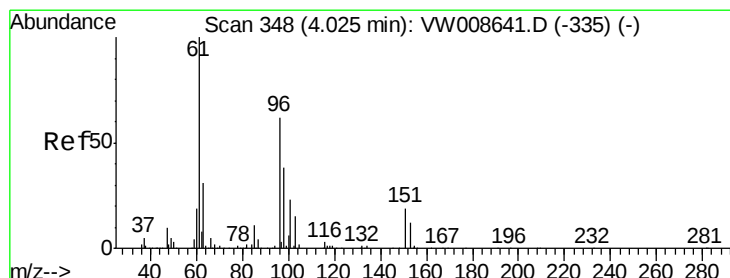
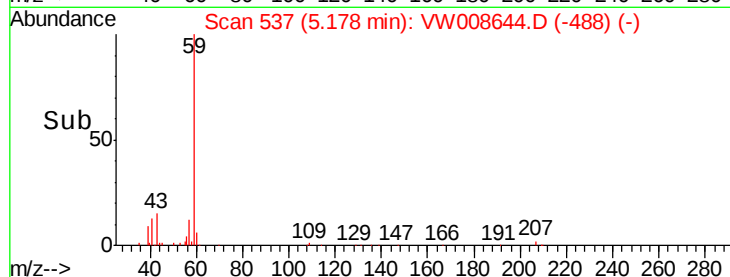
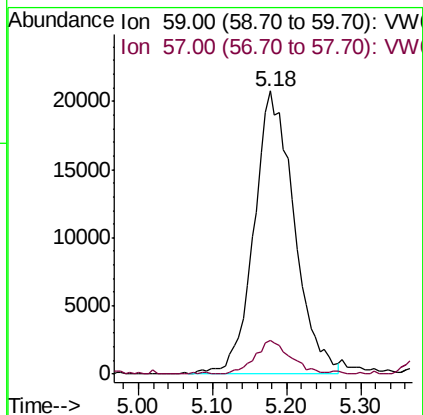
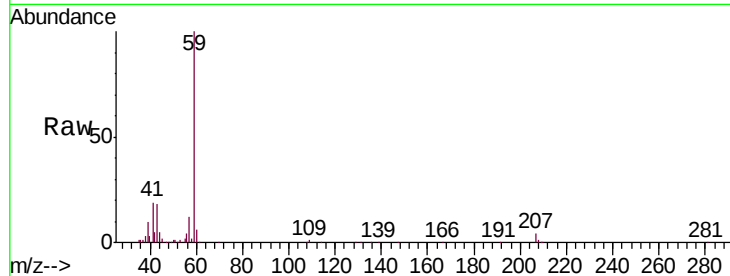


#11

Tert butyl alcohol
Concen: 230.273 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.00 min
Lab File: VW008644.D
Acq: 13 Feb 2019 16:55

Instrument :
MSVOA_W
ClientSampleId :
ICVW021319

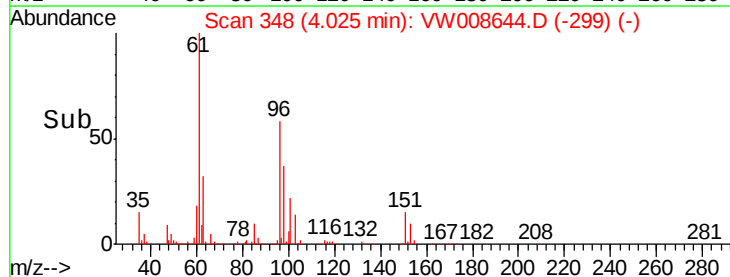
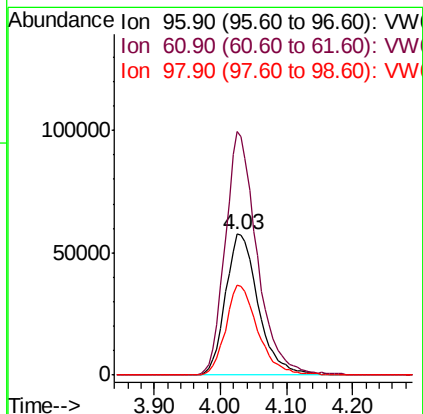
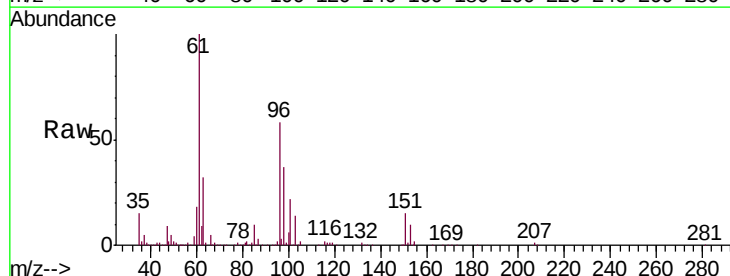
Tgt Ion: 59 Resp: 78227
Ion Ratio Lower Upper
59 100
57 10.6 8.3 12.5

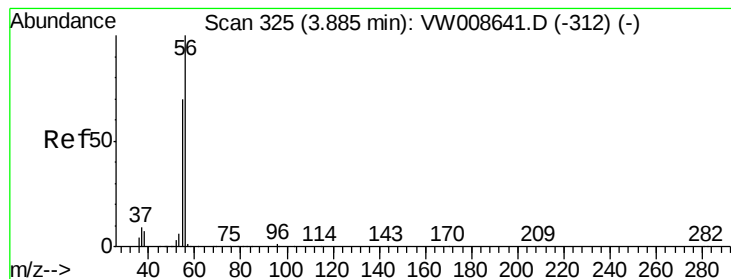


#12

1,1-Dichloroethene
Concen: 49.564 ug/l
RT: 4.03 min Scan# 348
Delta R.T. 0.00 min
Lab File: VW008644.D
Acq: 13 Feb 2019 16:55

Tgt Ion: 96 Resp: 197616
Ion Ratio Lower Upper
96 100
61 172.9 129.8 194.6
98 64.0 49.3 73.9





#13

Acrolein

Concen: 237.341 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

Instrument :

MSVOA_W

ClientSampleId :

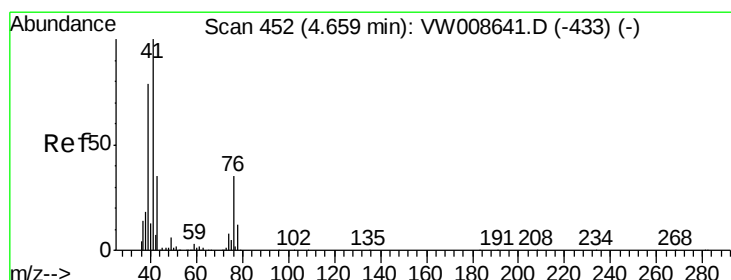
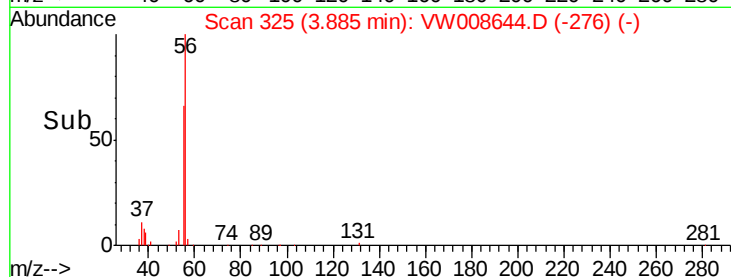
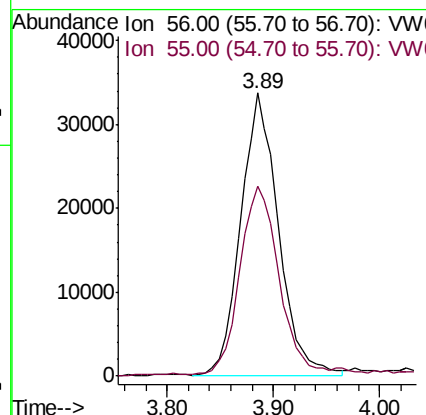
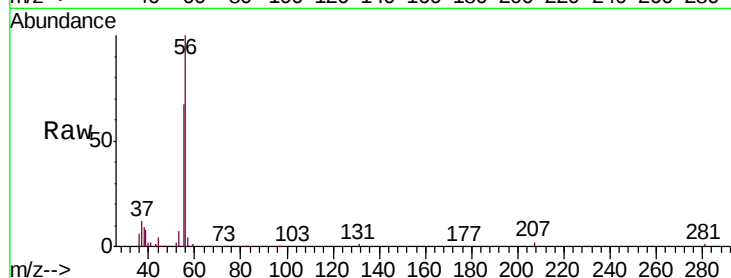
ICVW021319

Tgt Ion: 56 Resp: 83071

Ion Ratio Lower Upper

56 100

55 68.6 57.4 86.2



#14

Allyl chloride

Concen: 51.473 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

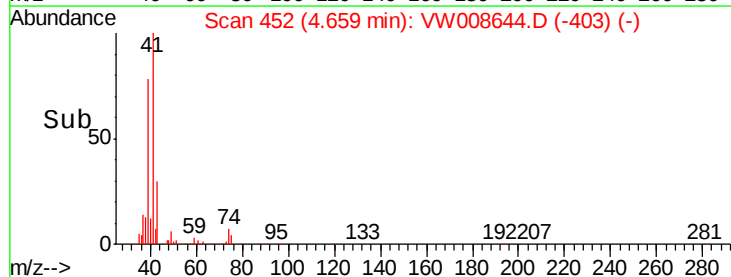
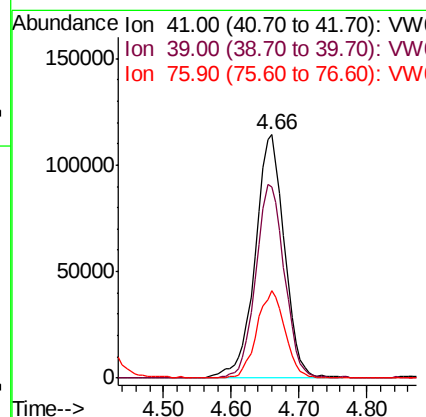
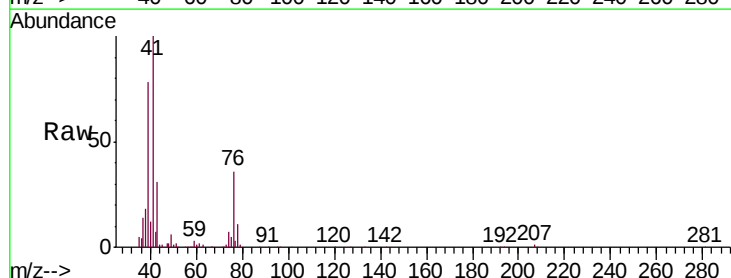
Tgt Ion: 41 Resp: 340973

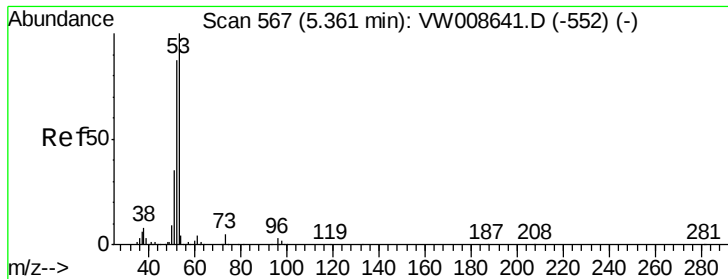
Ion Ratio Lower Upper

41 100

39 78.5 61.7 92.5

76 34.3 27.7 41.5





#15

Acrylonitrile

Concen: 244.686 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

Instrument :

MSVOA_W

ClientSampleId :

ICVW021319

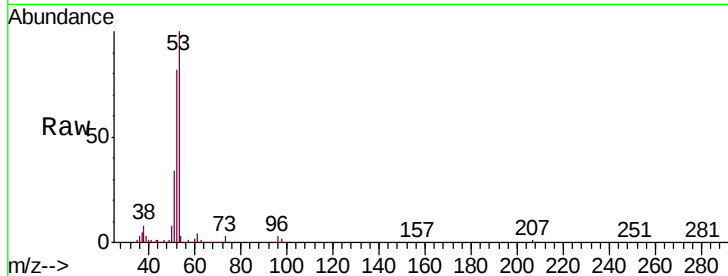
Tgt Ion: 53 Resp: 237107

Ion Ratio Lower Upper

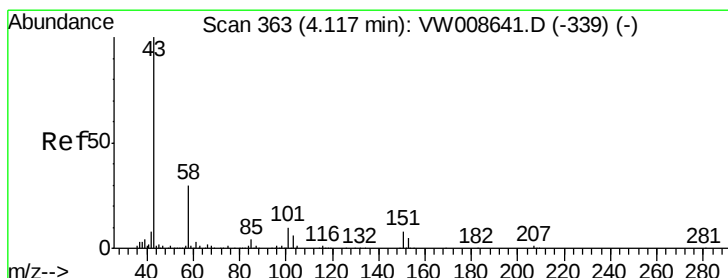
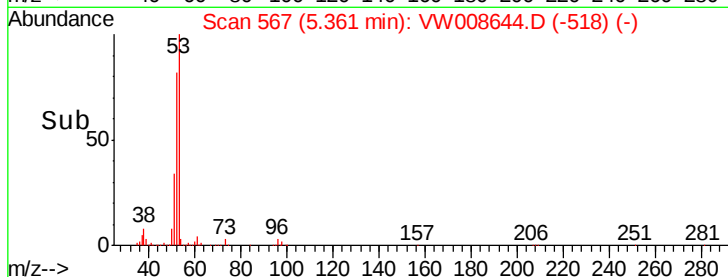
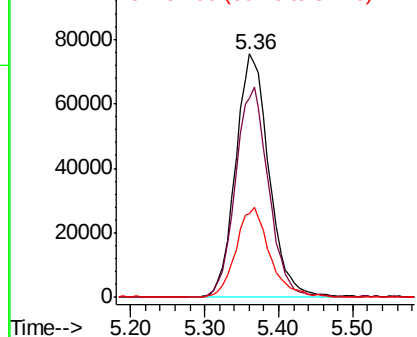
53 100

52 85.8 66.8 100.2

51 37.5 29.4 44.0



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



#16

Acetone

Concen: 287.463 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW008644.D

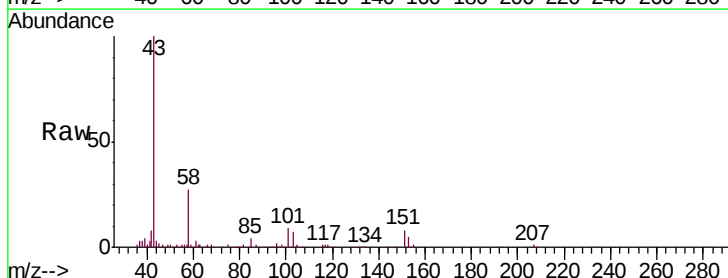
Acq: 13 Feb 2019 16:55

Tgt Ion: 43 Resp: 277745

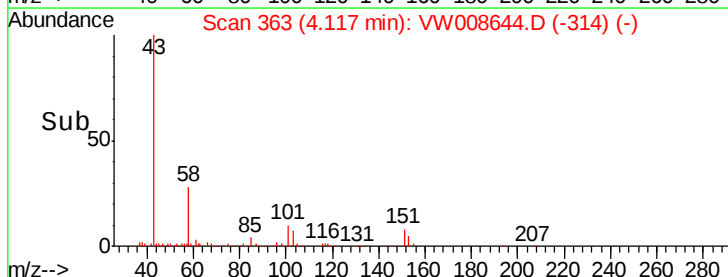
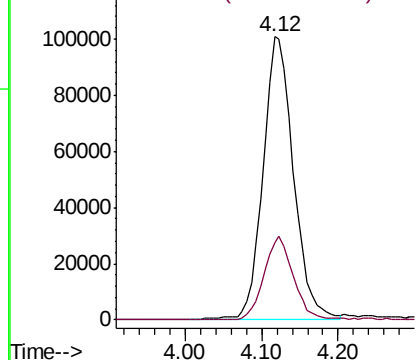
Ion Ratio Lower Upper

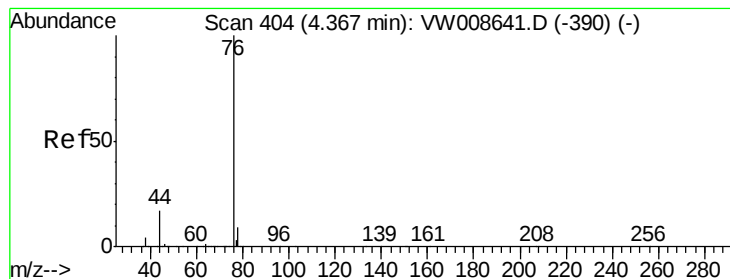
43 100

58 27.2 24.1 36.1



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





#17

Carbon Disulfide

Concen: 50.796 ug/l

RT: 4.37 min Scan# 405

Delta R.T. 0.01 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

Instrument :

MSVOA_W

ClientSampleId :

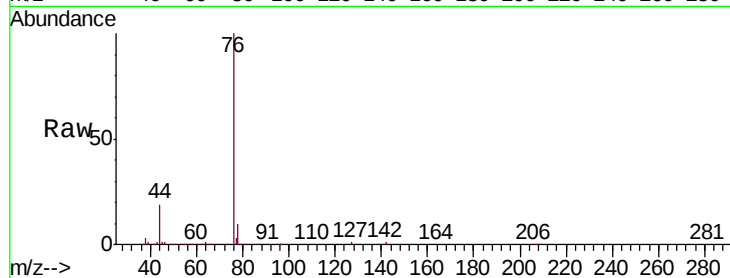
ICVW021319

Tgt Ion: 76 Resp: 611191

Ion Ratio Lower Upper

76 100

78 9.8 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.37

200000

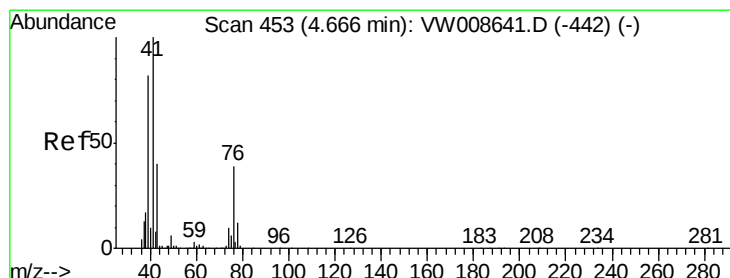
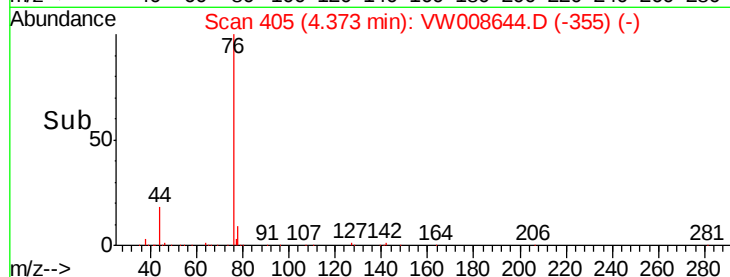
150000

100000

50000

0

Time--> 4.20 4.30 4.40 4.50



#18

Methyl Acetate

Concen: 47.767 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW008644.D

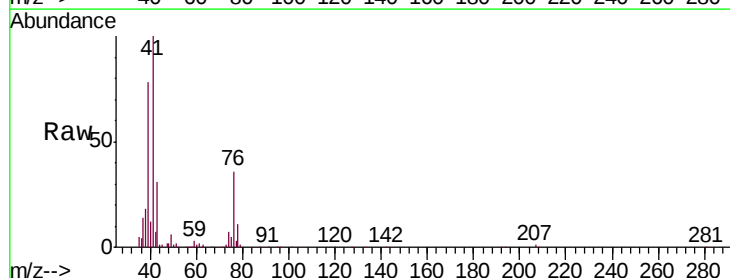
Acq: 13 Feb 2019 16:55

Tgt Ion: 43 Resp: 105463

Ion Ratio Lower Upper

43 100

74 23.2 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.66

40000

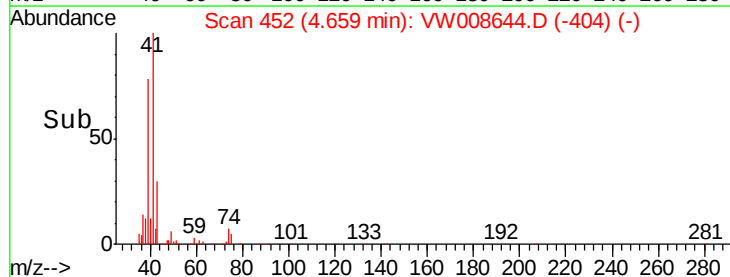
30000

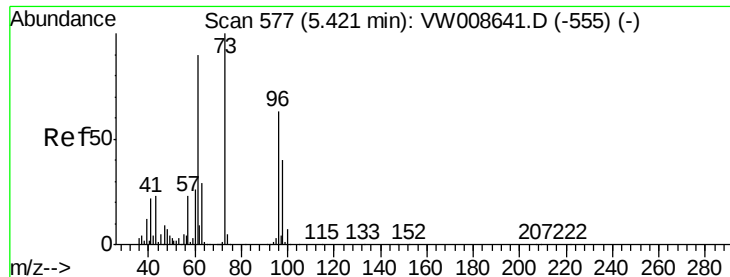
20000

10000

0

Time--> 4.60 4.70 4.80



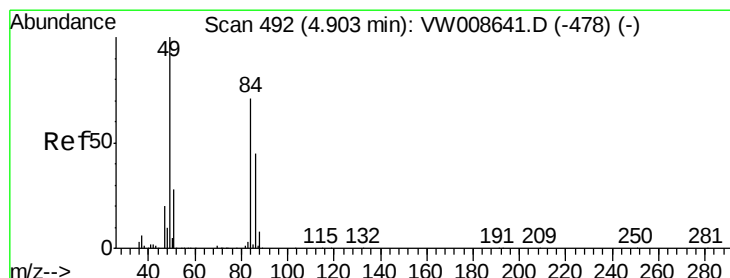
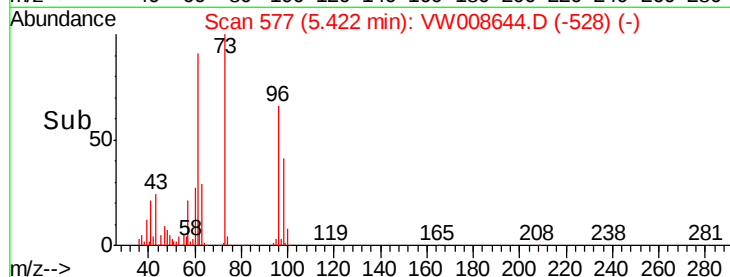
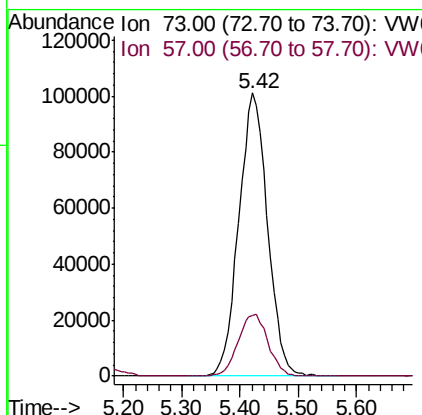
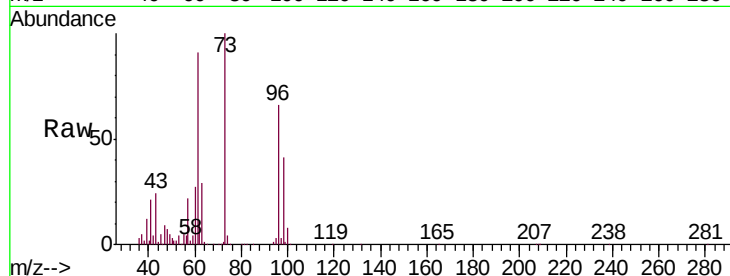


#19

Methyl tert-butyl Ether
 Concen: 49.324 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VW008644.D
 Acq: 13 Feb 2019 16:55

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW021319

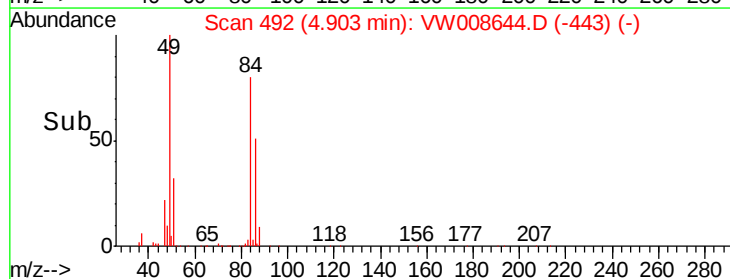
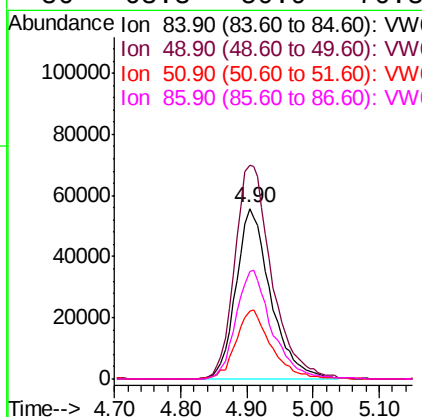
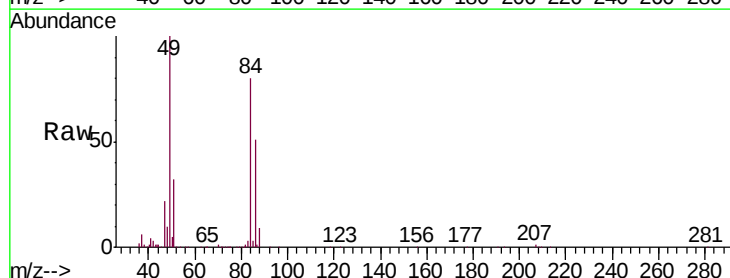
Tgt Ion: 73 Resp: 345234
 Ion Ratio Lower Upper
 73 100
 57 21.5 18.2 27.2

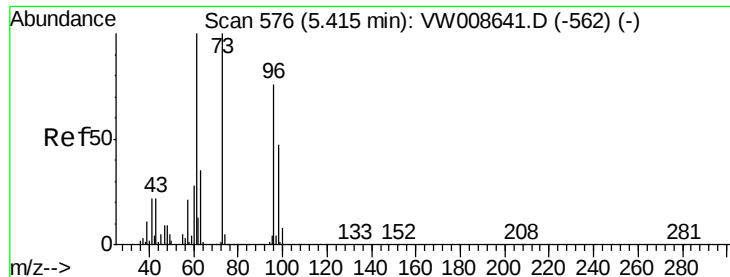


#20

Methylene Chloride
 Concen: 47.527 ug/l
 RT: 4.90 min Scan# 492
 Delta R.T. 0.00 min
 Lab File: VW008644.D
 Acq: 13 Feb 2019 16:55

Tgt Ion: 84 Resp: 203842
 Ion Ratio Lower Upper
 84 100
 49 125.3 113.3 169.9
 51 40.0 32.1 48.1
 86 63.3 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 49.484 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

Instrument :

MSVOA_W

ClientSampleId :

ICVW021319

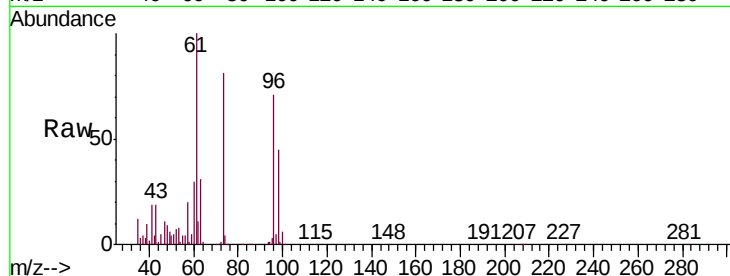
Tgt Ion: 96 Resp: 216069

Ion Ratio Lower Upper

96 100

61 140.4 105.9 158.9

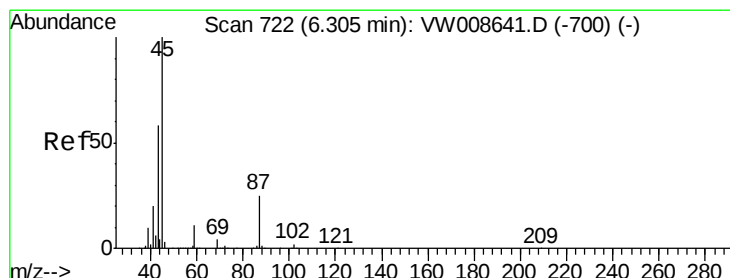
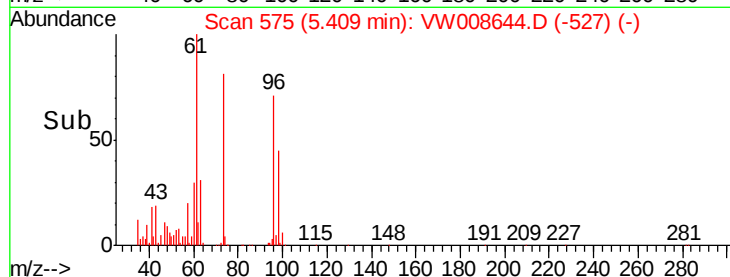
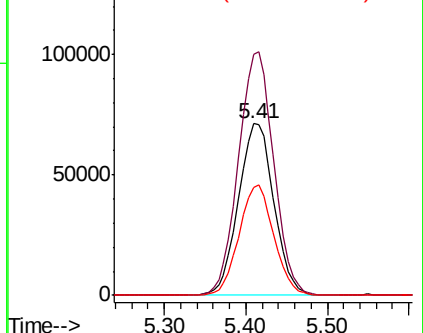
98 62.8 49.8 74.6



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: 50.748 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

Tgt Ion: 45 Resp: 676604

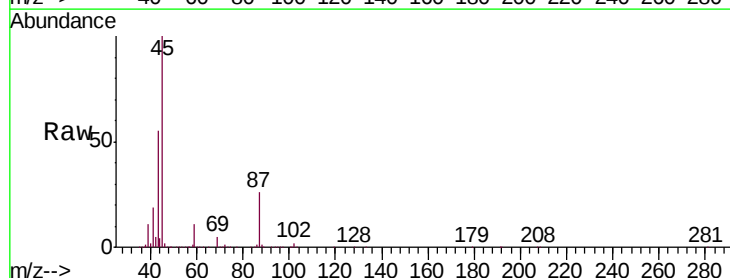
Ion Ratio Lower Upper

45 100

43 54.9 46.1 69.1

87 26.4 20.5 30.7

59 10.9 8.6 12.8

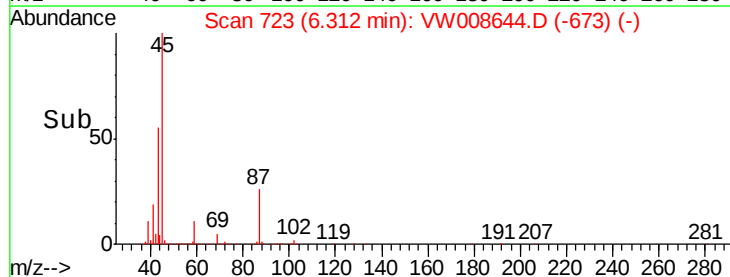
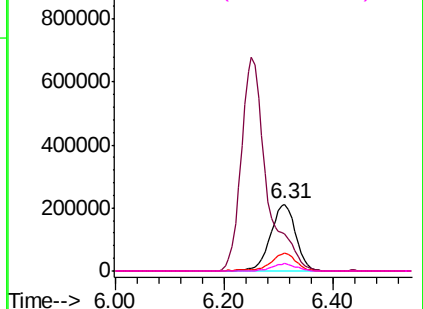


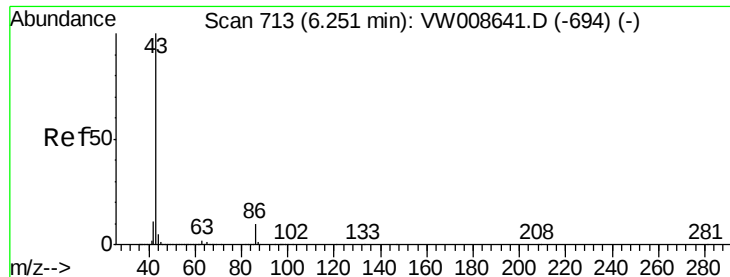
Abundance Ion 45.00 (44.70 to 45.70): VW

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

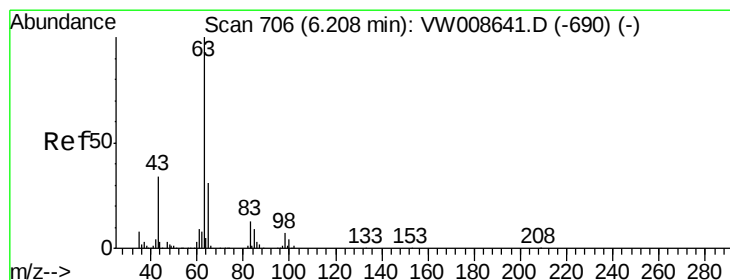
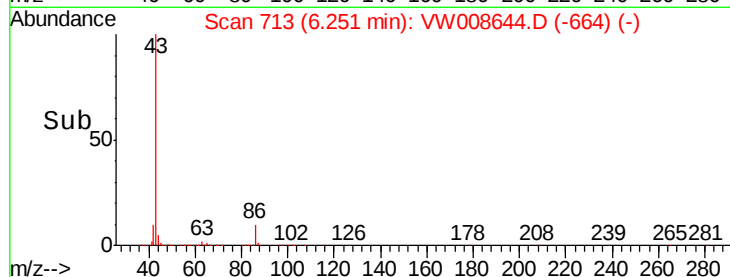
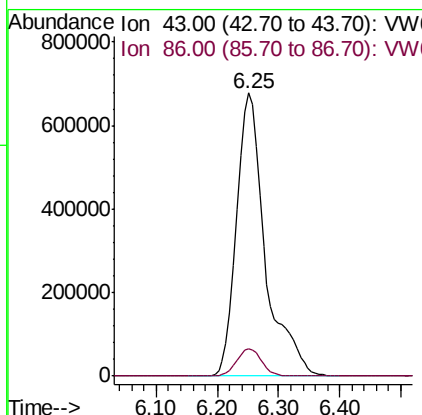
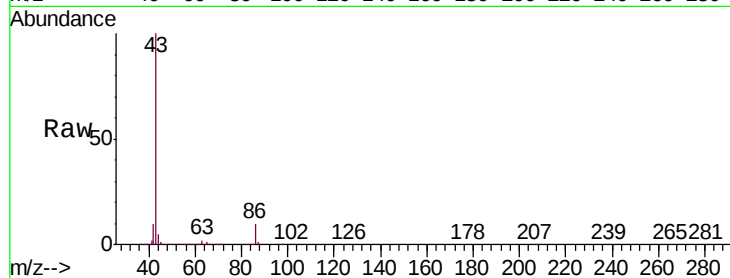




#23
 Vinyl Acetate
 Concen: 253.980 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VW008644.D
 Acq: 13 Feb 2019 16:55

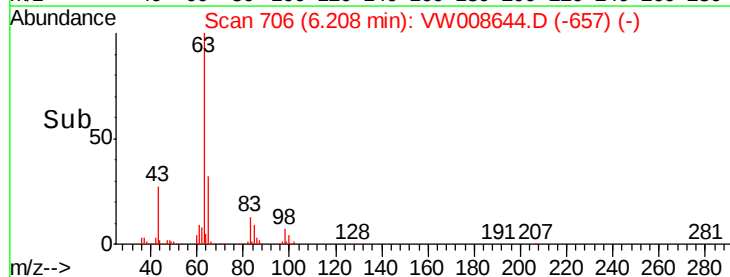
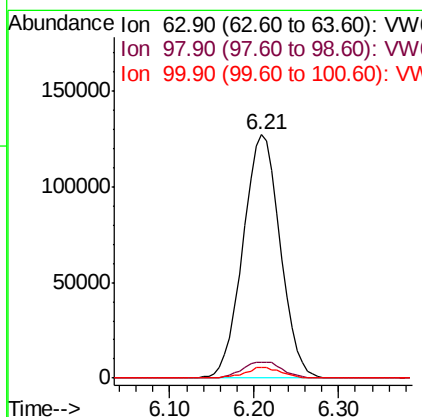
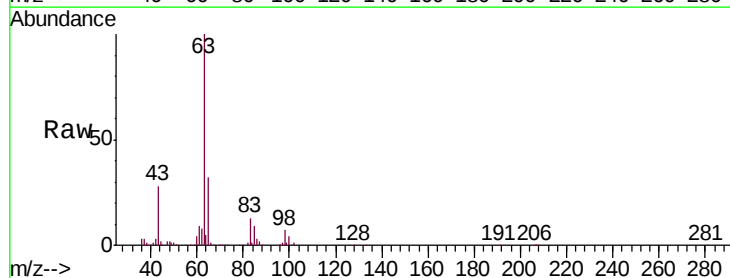
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW021319

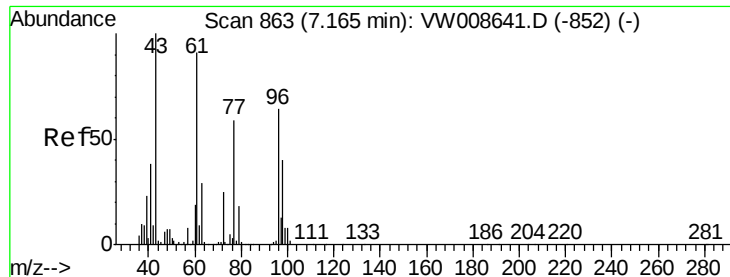
Tgt Ion: 43 Resp: 2197716
 Ion Ratio Lower Upper
 43 100
 86 9.9 7.9 11.9



#24
 1,1-Dichloroethane
 Concen: 49.818 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: VW008644.D
 Acq: 13 Feb 2019 16:55

Tgt Ion: 63 Resp: 383269
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.6 10.8
 100 4.4 2.2 6.6





#25

2-Butanone

Concen: 261.369 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

Instrument :

MSVOA_W

ClientSampled :

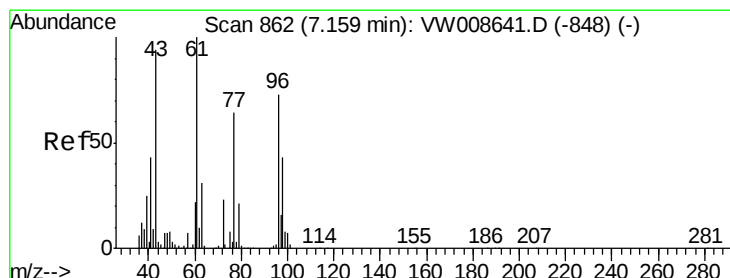
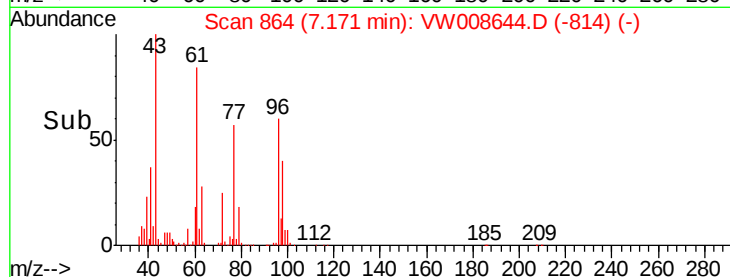
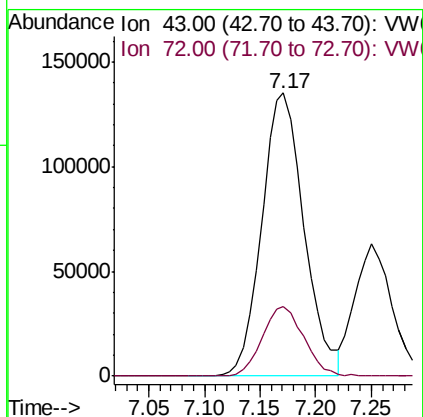
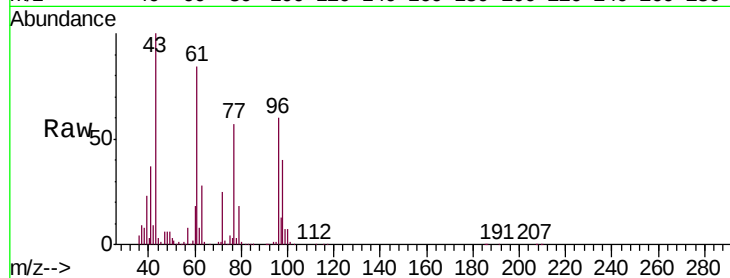
ICVW021319

Tgt Ion: 43 Resp: 356589

Ion Ratio Lower Upper

43 100

72 24.8 19.7 29.5



#26

2,2-Dichloropropane

Concen: 52.446 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW008644.D

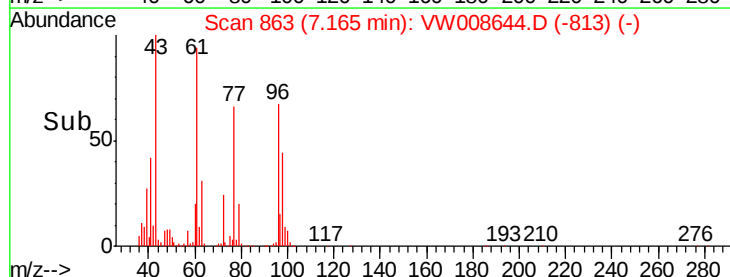
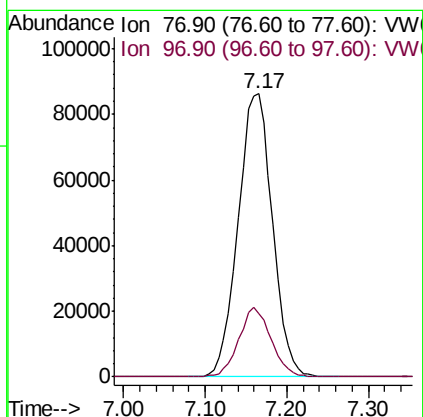
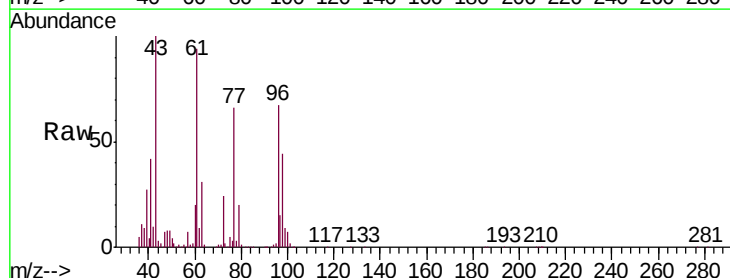
Acq: 13 Feb 2019 16:55

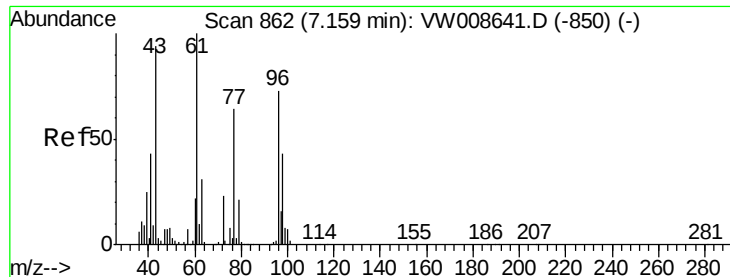
Tgt Ion: 77 Resp: 252065

Ion Ratio Lower Upper

77 100

97 23.0 11.7 35.0



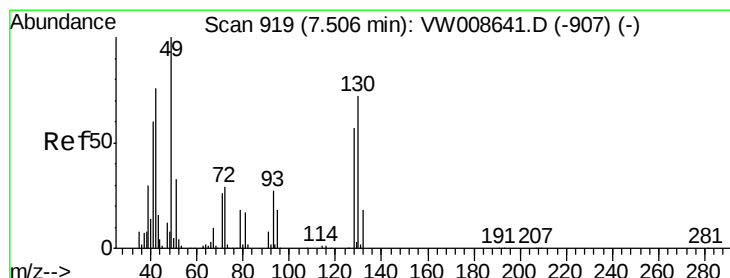
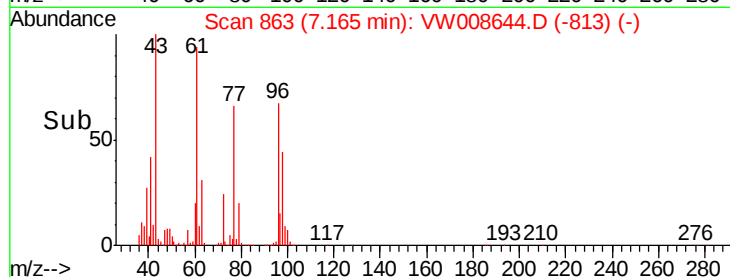
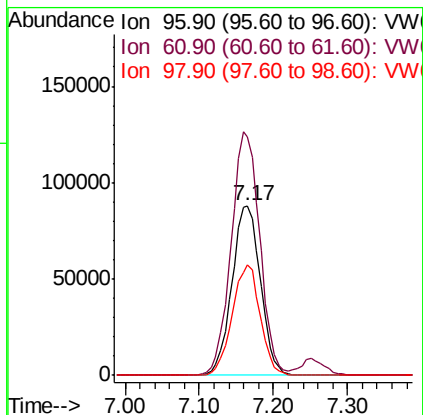
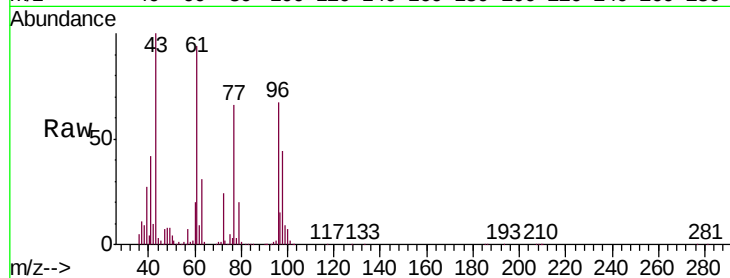


#27

cis-1,2-Dichloroethene
 Concen: 50.119 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.01 min
 Lab File: VW008644.D
 Acq: 13 Feb 2019 16:55

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW021319

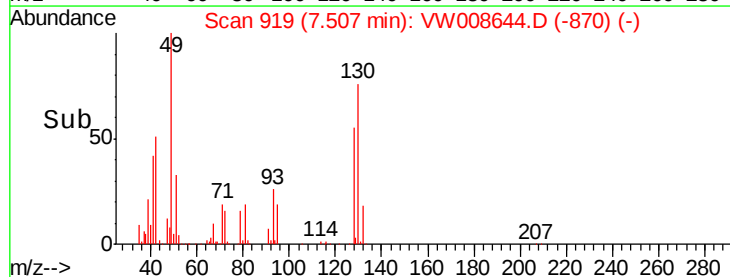
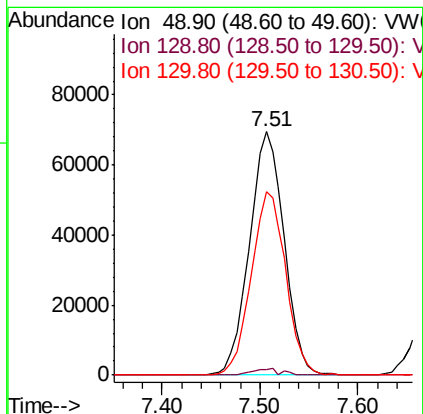
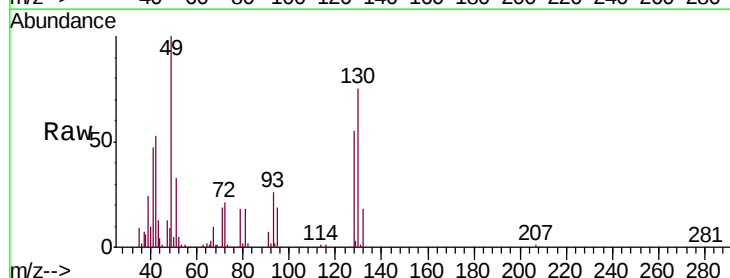
Tgt Ion	Ratio	Lower	Upper
96	100		
61	143.9	0.0	286.4
98	63.8	0.0	125.0

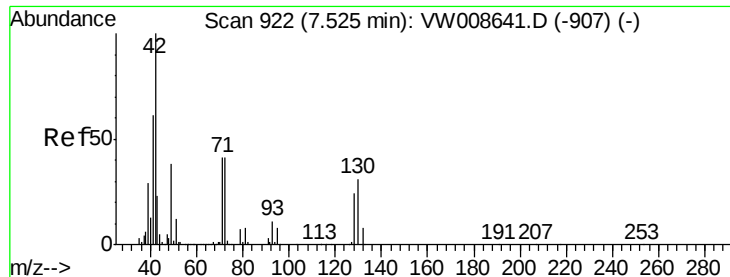


#28

Bromochloromethane
 Concen: 52.972 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW008644.D
 Acq: 13 Feb 2019 16:55

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	3.2
130	74.9	59.4	89.0





#29

Tetrahydrofuran

Concen: 241.625 ug/l

RT: 7.52 min Scan# 922

Delta R.T. 0.00 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

Instrument :

MSVOA_W

ClientSampled :

ICVW021319

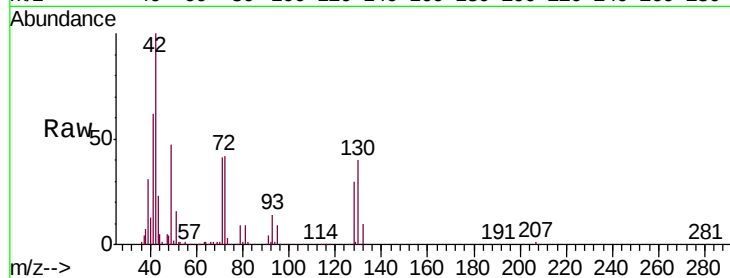
Tgt Ion: 42 Resp: 217279

Ion Ratio Lower Upper

42 100

72 40.5 32.2 48.2

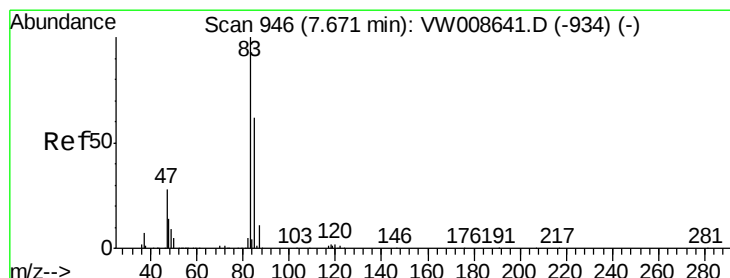
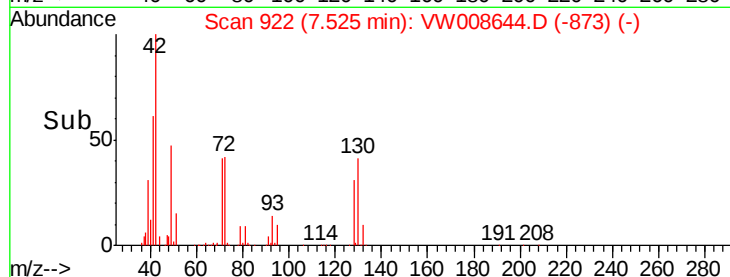
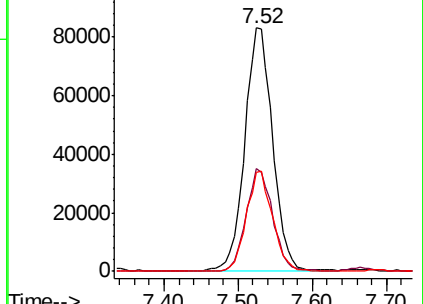
71 38.8 31.0 46.6



Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 49.855 ug/l

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW008644.D

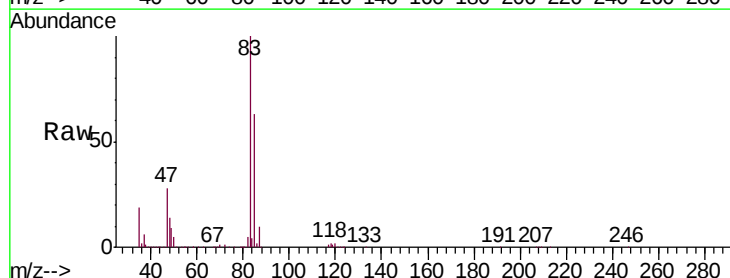
Acq: 13 Feb 2019 16:55

Tgt Ion: 83 Resp: 384326

Ion Ratio Lower Upper

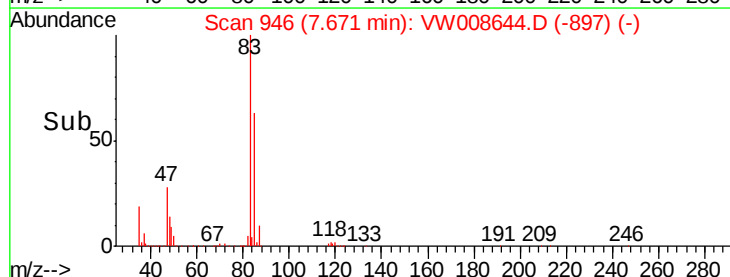
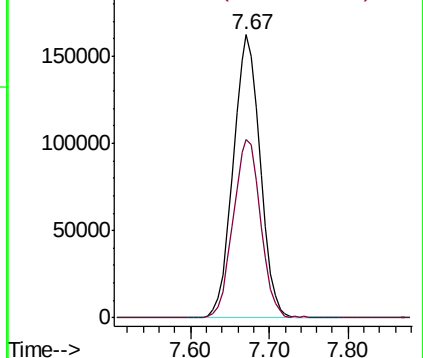
83 100

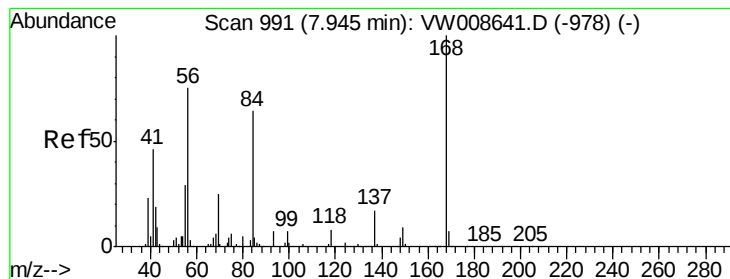
85 63.2 49.8 74.8



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 48.428 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

Instrument :

MSVOA_W

ClientSampled :

ICVW021319

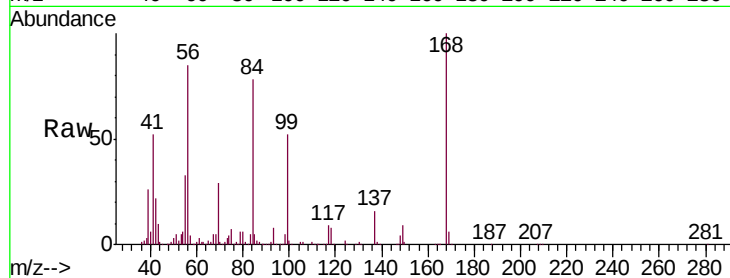
Tgt Ion: 56 Resp: 376055

Ion Ratio Lower Upper

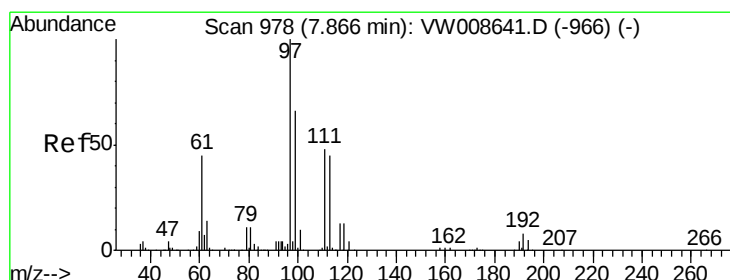
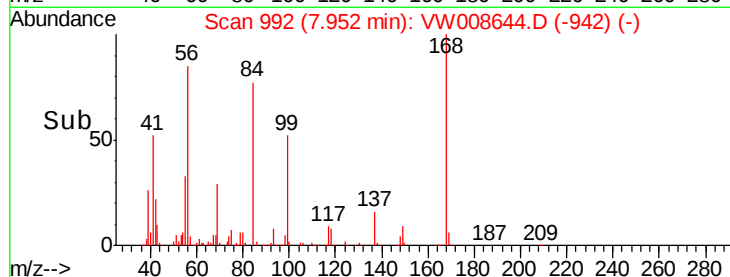
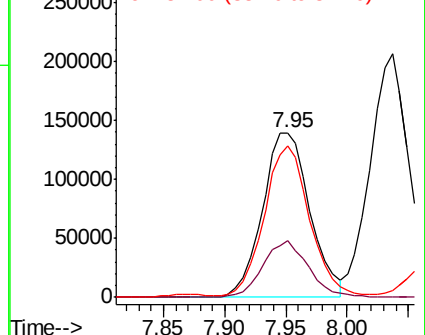
56 100

69 34.3 26.4 39.6

84 90.2 67.4 101.2



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: 51.146 ug/l

RT: 7.87 min Scan# 978

Delta R.T. 0.00 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

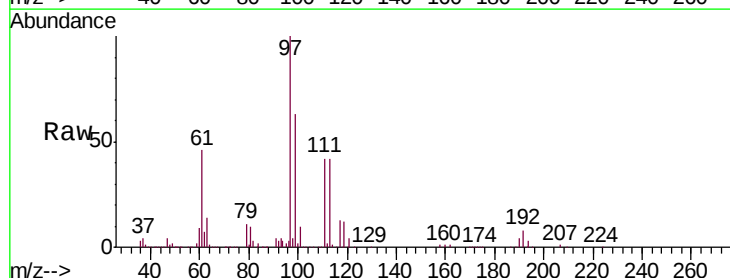
Tgt Ion: 97 Resp: 332987

Ion Ratio Lower Upper

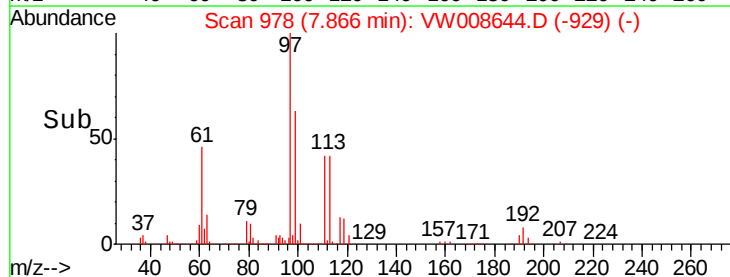
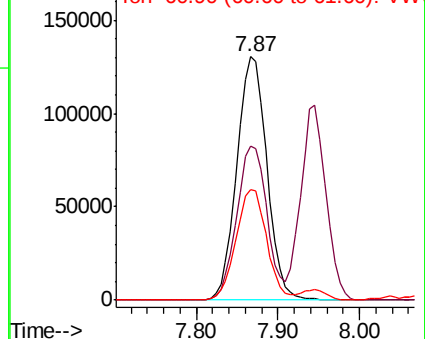
97 100

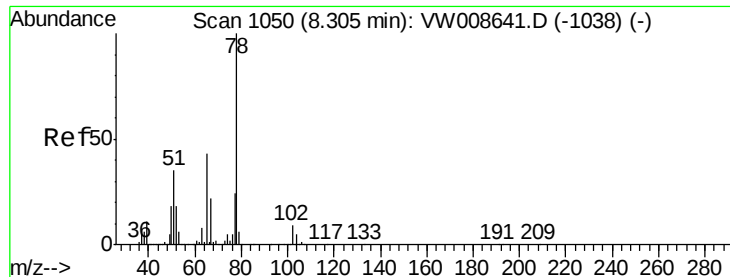
99 64.2 51.6 77.4

61 46.3 35.8 53.6



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





#33

1,2-Dichloroethane-d4

Concen: 51.154 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

Instrument :

MSVOA_W

ClientSampleId :

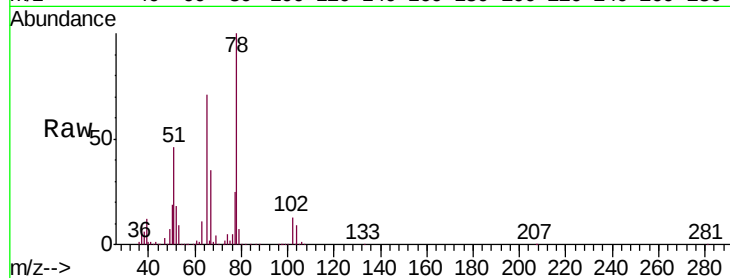
ICVW021319

Tgt Ion: 65 Resp: 217195

Ion Ratio Lower Upper

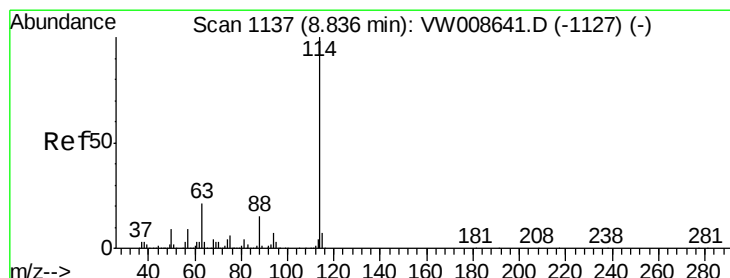
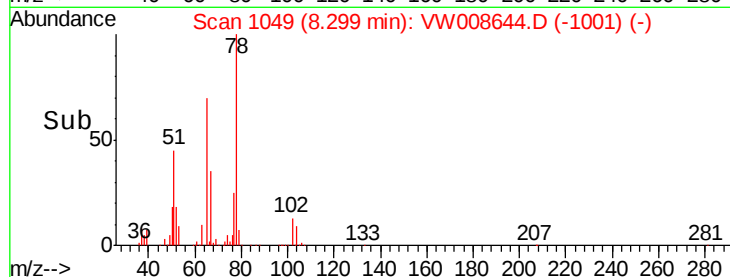
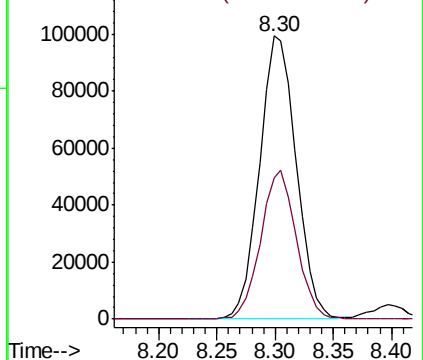
65 100

67 51.1 0.0 102.0



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. 0.01 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

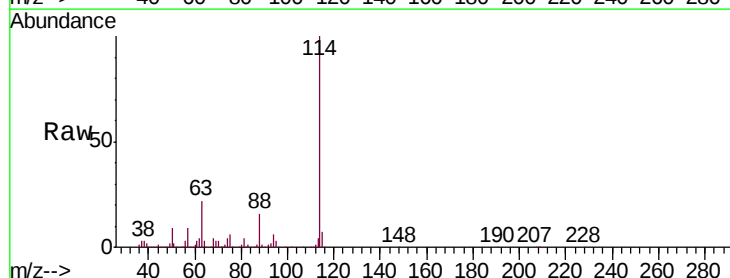
Tgt Ion: 114 Resp: 615292

Ion Ratio Lower Upper

114 100

63 21.7 0.0 41.2

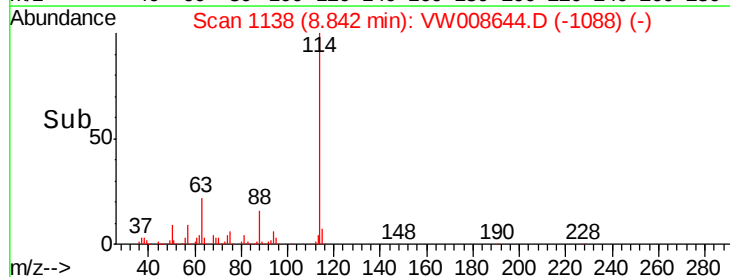
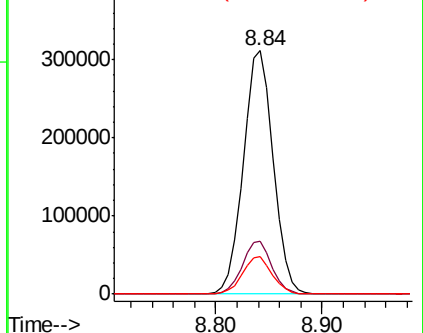
88 15.6 0.0 29.6

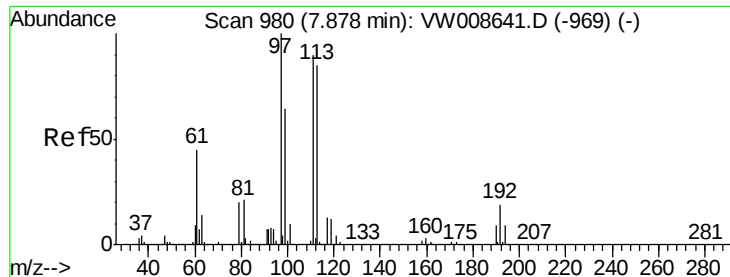


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

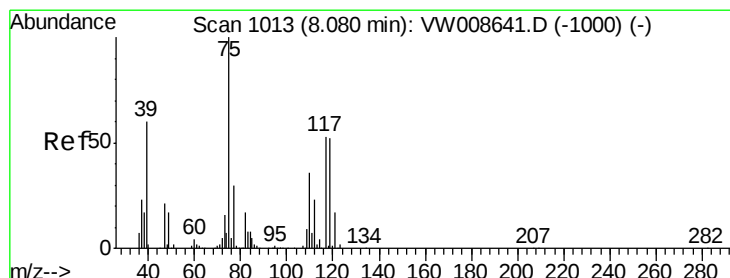
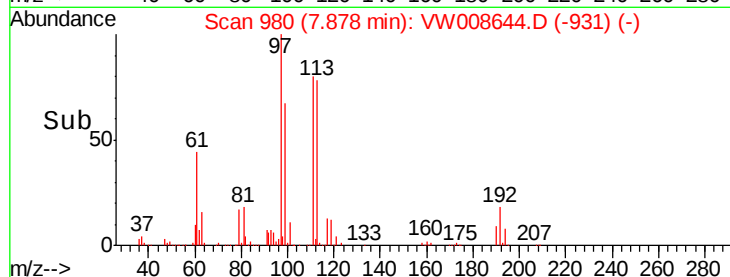
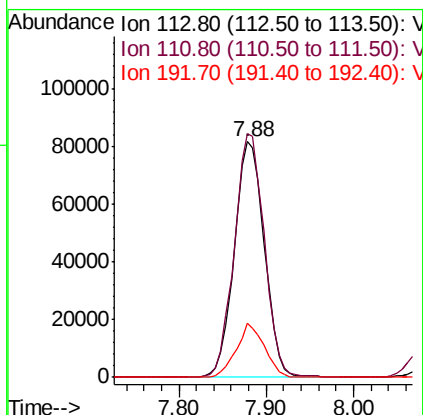
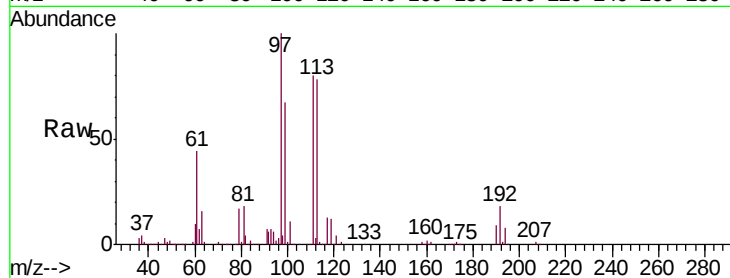




#35
 Dibromofluoromethane
 Concen: 51.097 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW008644.D
 Acq: 13 Feb 2019 16:55

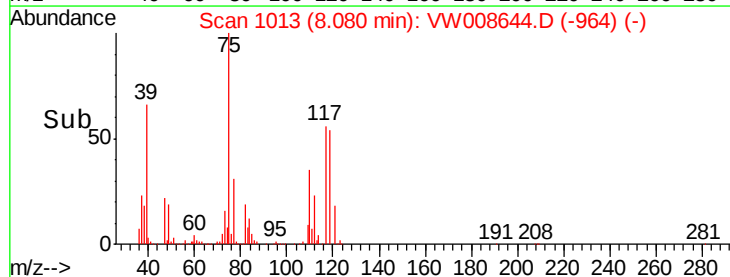
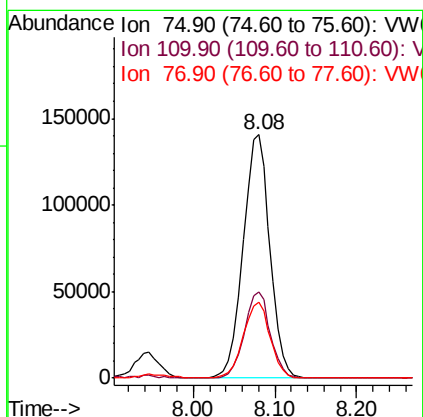
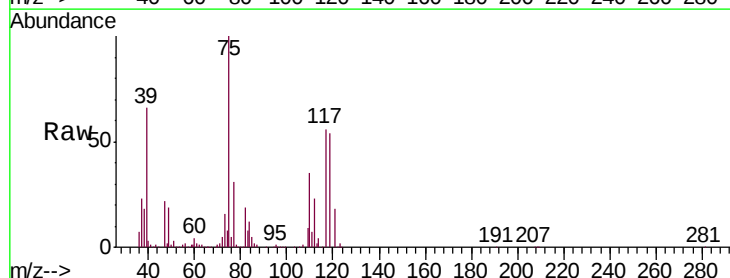
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW021319

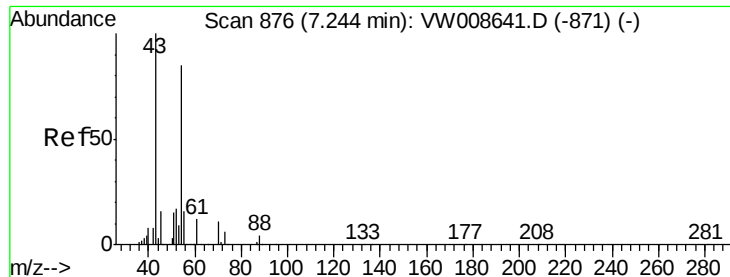
Tgt Ion: 113 Resp: 195221
 Ion Ratio Lower Upper
 113 100
 111 103.4 84.0 126.0
 192 21.4 17.4 26.2



#36
 1,1-Dichloropropene
 Concen: 51.790 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW008644.D
 Acq: 13 Feb 2019 16:55

Tgt Ion: 75 Resp: 320150
 Ion Ratio Lower Upper
 75 100
 110 34.3 17.8 53.3
 77 31.4 24.7 37.1

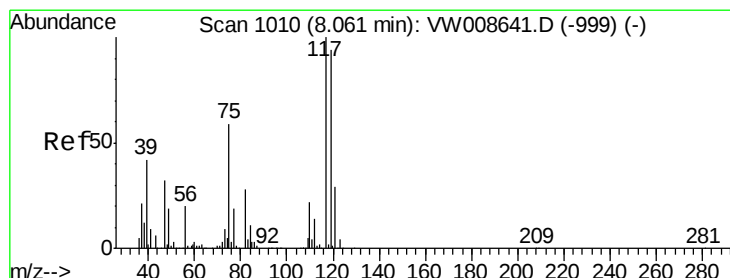
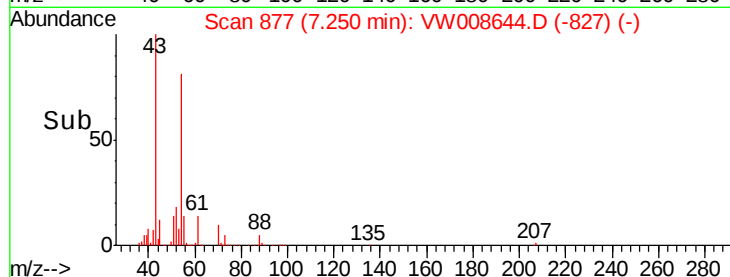
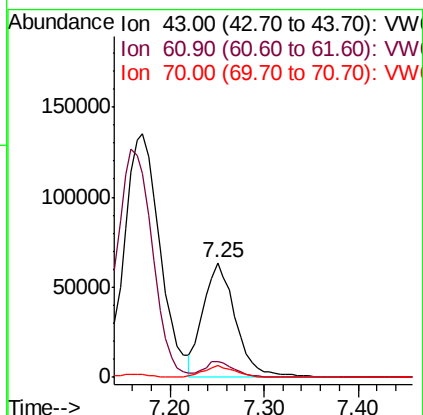
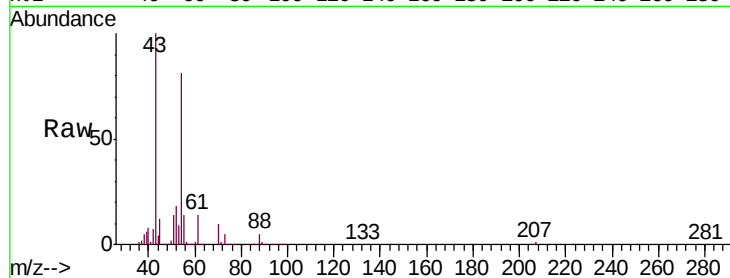




#37
Ethyl Acetate
Concen: 50.566 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.01 min
Lab File: VW008644.D
Acq: 13 Feb 2019 16:55

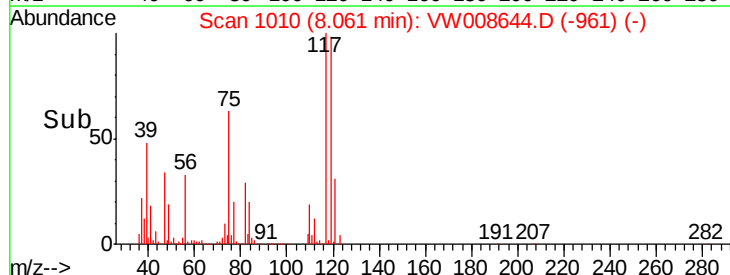
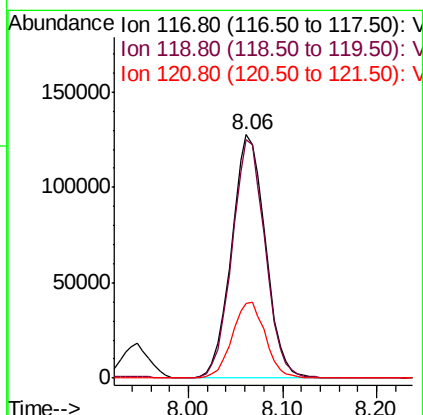
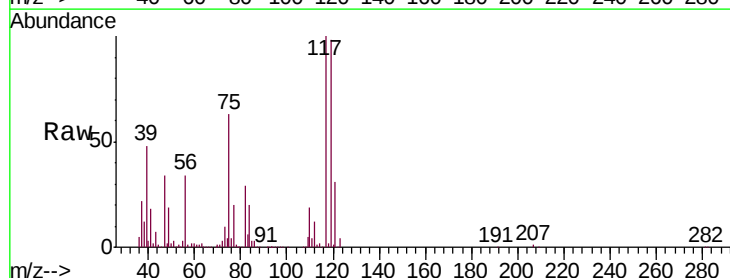
Instrument :
MSVOA_W
ClientSampleId :
ICVW021319

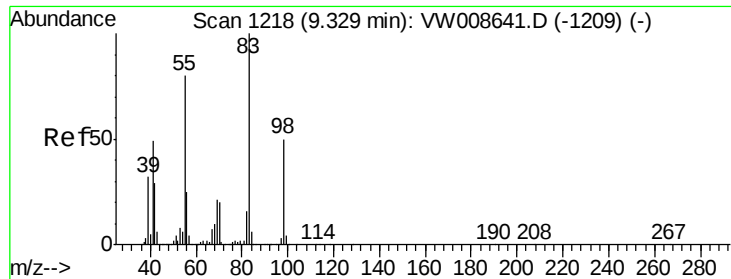
Tgt Ion: 43 Resp: 150787
Ion Ratio Lower Upper
43 100
61 13.5 10.5 15.7
70 9.9 8.1 12.1



#38
Carbon Tetrachloride
Concen: 52.015 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VW008644.D
Acq: 13 Feb 2019 16:55

Tgt Ion: 117 Resp: 319737
Ion Ratio Lower Upper
117 100
119 98.1 75.1 112.7
121 30.6 23.5 35.3

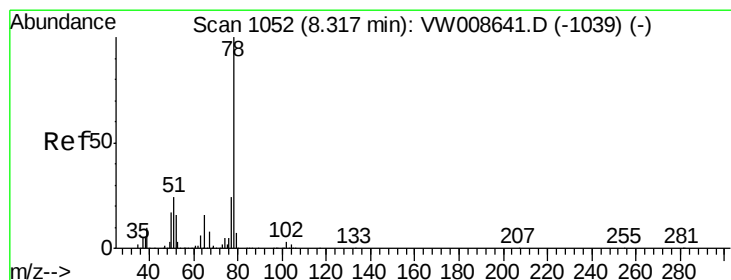
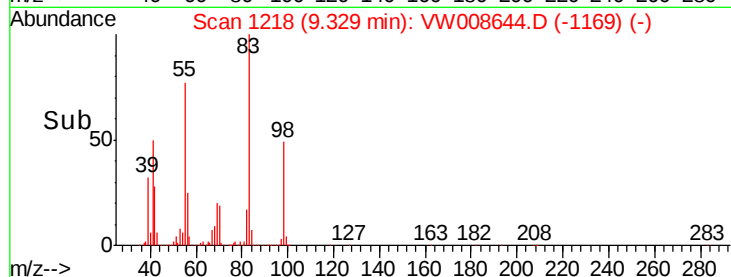
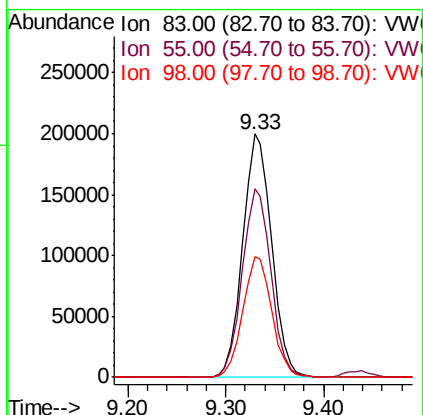
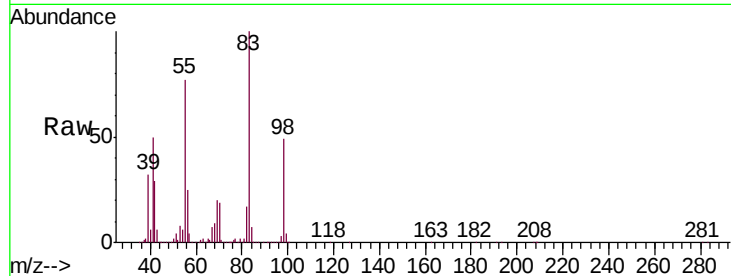




#39
Methylcyclohexane
Concen: 52.317 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. 0.00 min
Lab File: VW008644.D
Acq: 13 Feb 2019 16:55

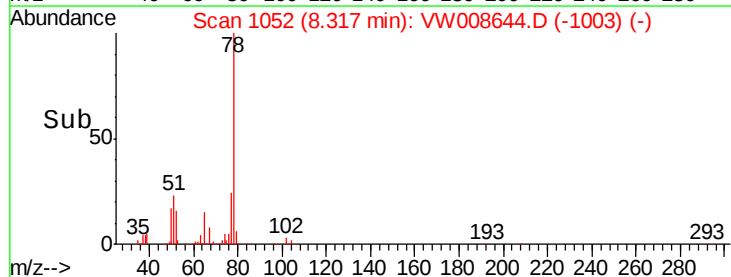
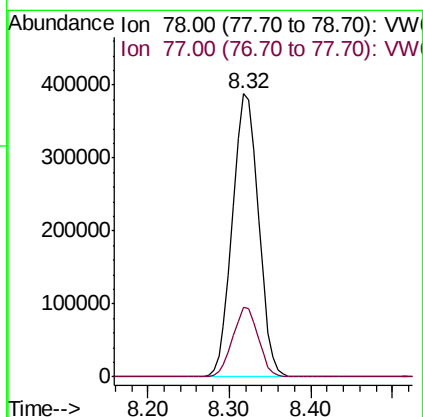
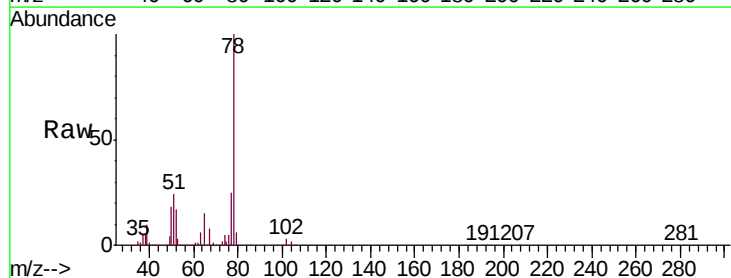
Instrument :
MSVOA_W
ClientSampleId :
ICVW021319

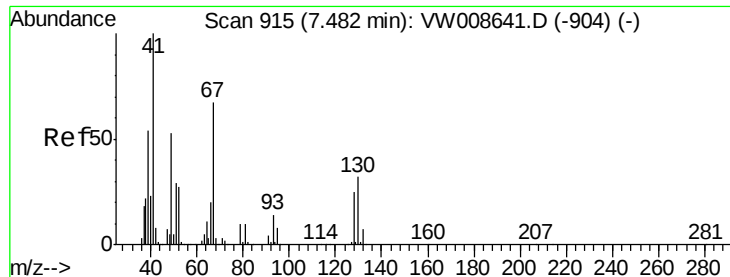
Tgt Ion:	83	Resp:	409055
Ion	Ratio	Lower	Upper
83	100		
55	77.3	63.9	95.9
98	49.4	40.2	60.2



#40
Benzene
Concen: 50.645 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW008644.D
Acq: 13 Feb 2019 16:55

Tgt Ion:	78	Resp:	855036
Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.5	29.3

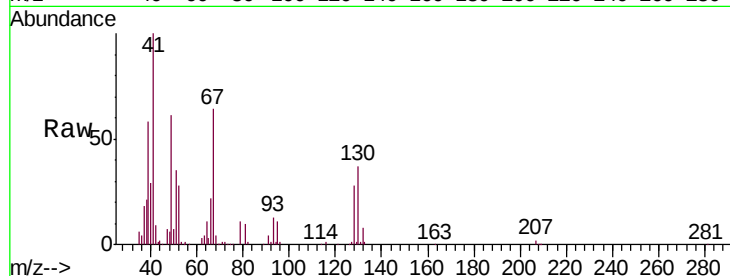




#41
Methacrylonitrile
Concen: 53.678 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW008644.D
Acq: 13 Feb 2019 16:55

Instrument :
MSVOA_W
ClientSampleId :
ICVW021319

Tgt Ion:	41	Resp:	90059
Ion	Ratio	Lower	Upper
41	100		
39	56.1	39.7	59.5
67	64.5	52.5	78.7
52	30.2	23.1	34.7



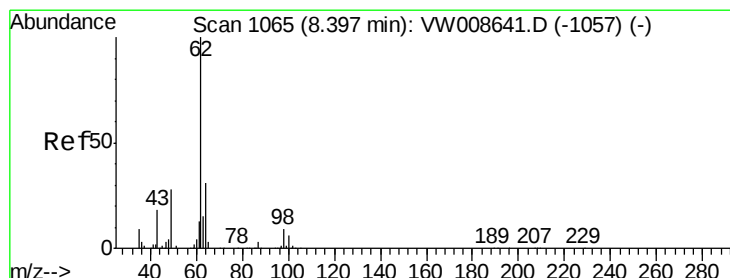
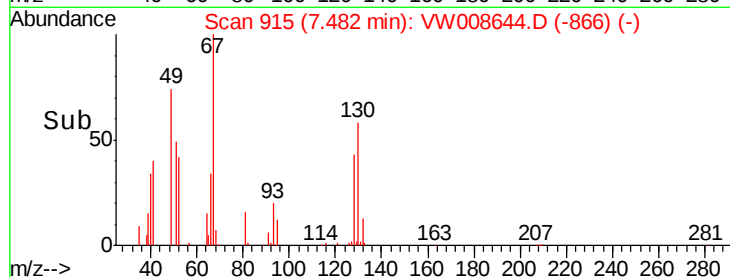
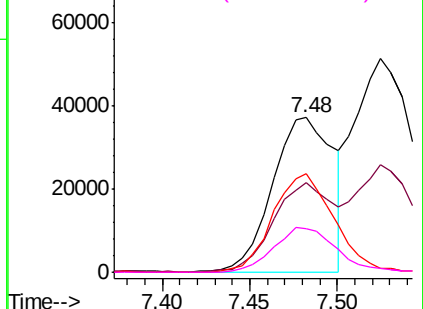
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

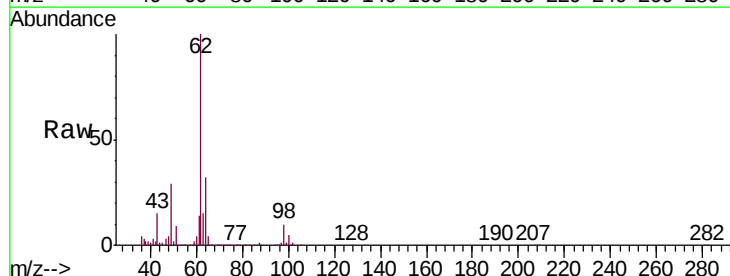
Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42
1,2-Dichloroethane
Concen: 50.981 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW008644.D
Acq: 13 Feb 2019 16:55

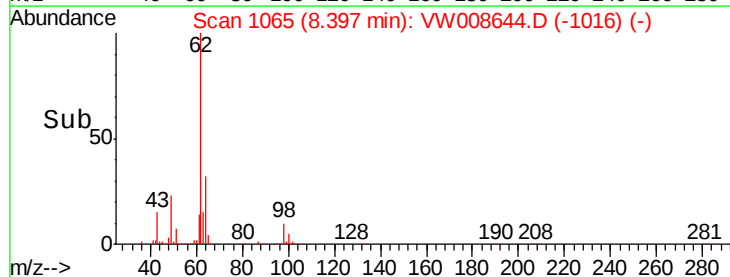
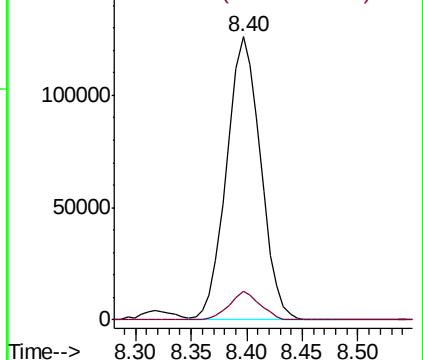
Tgt Ion:	62	Resp:	266974
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.2

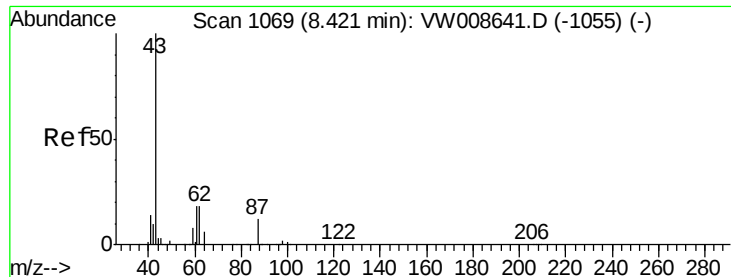


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 50.612 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

Instrument :

MSVOA_W

ClientSampleId :

ICVW021319

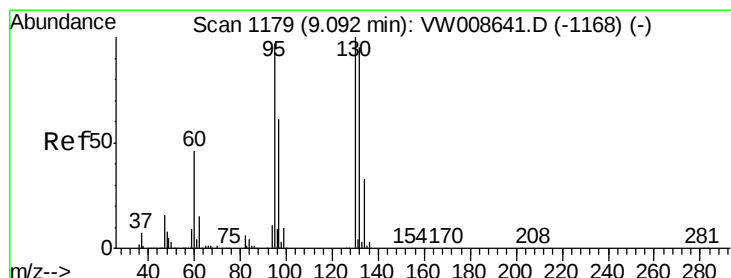
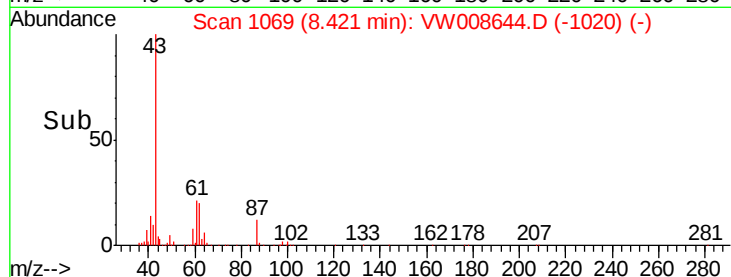
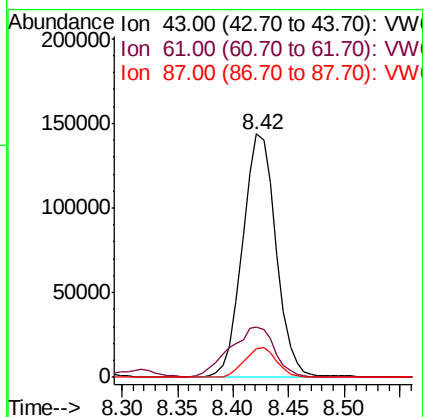
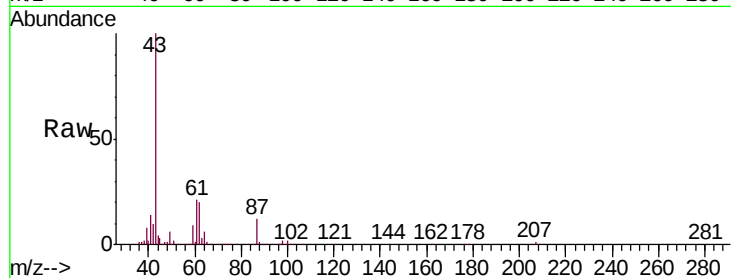
Tgt Ion: 43 Resp: 300938

Ion Ratio Lower Upper

43 100

61 27.9 21.4 32.2

87 12.0 9.8 14.8



#44

Trichloroethene

Concen: 50.243 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW008644.D

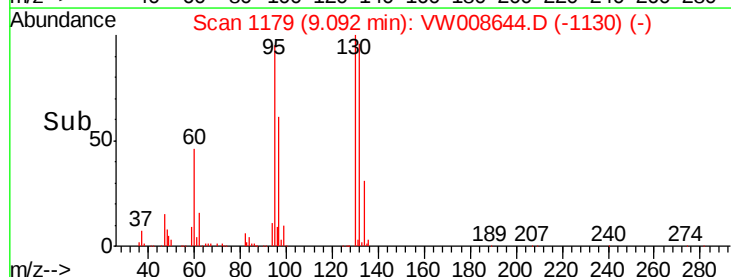
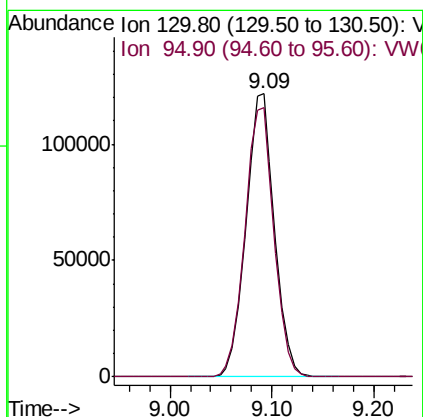
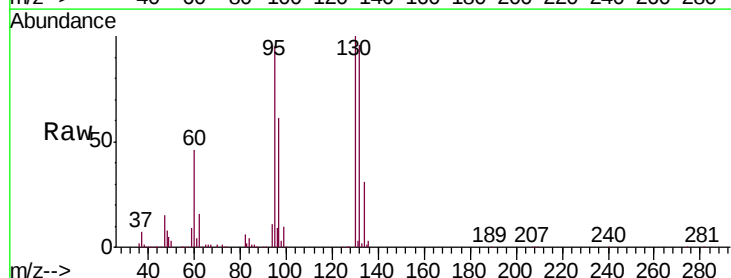
Acq: 13 Feb 2019 16:55

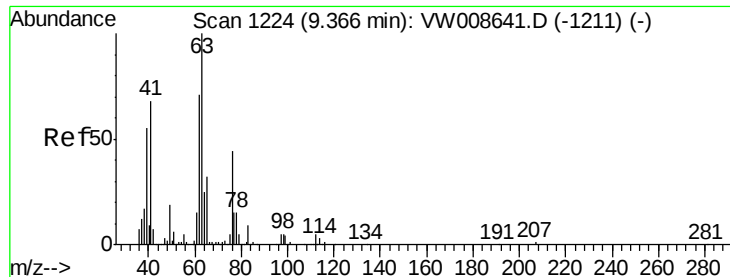
Tgt Ion: 130 Resp: 235189

Ion Ratio Lower Upper

130 100

95 95.0 0.0 193.4

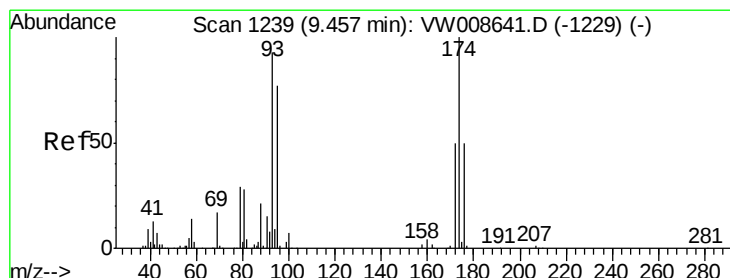
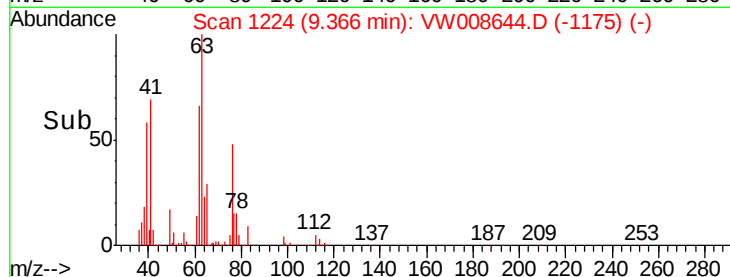
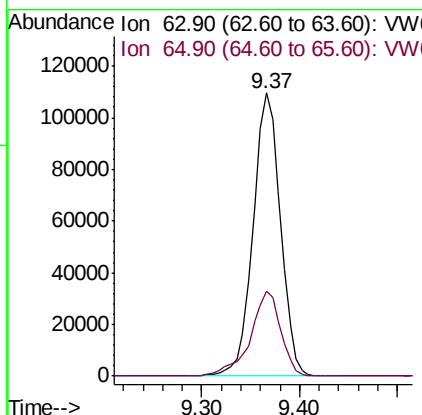
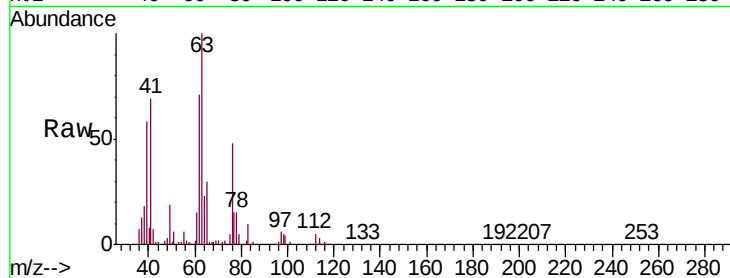




#45
 1,2-Dichloropropane
 Concen: 50.870 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW008644.D
 Acq: 13 Feb 2019 16:55

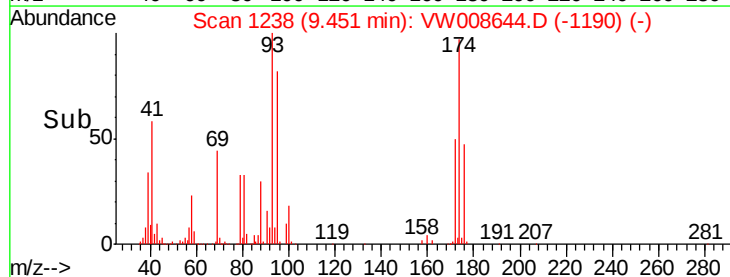
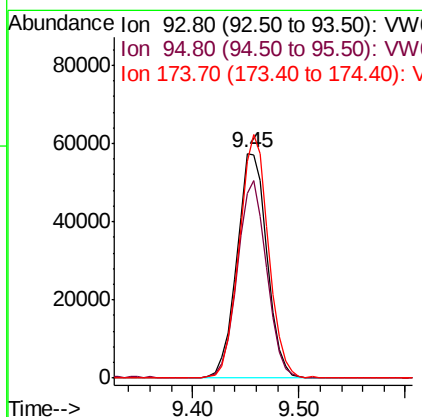
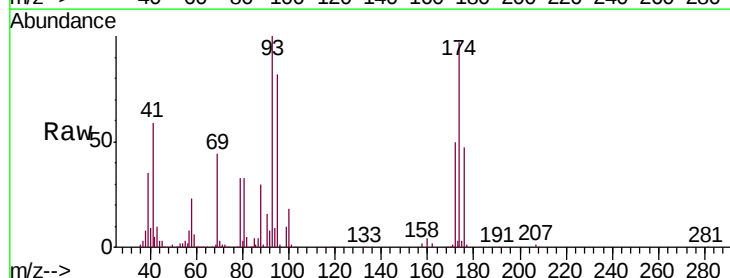
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW021319

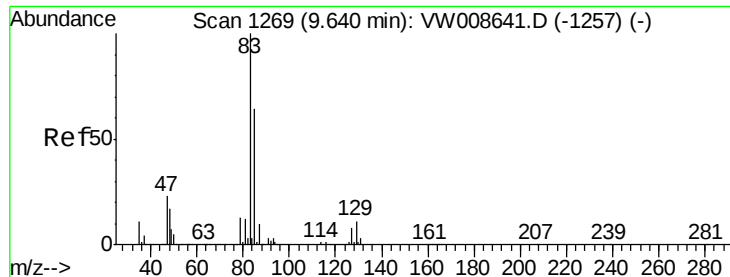
Tgt Ion: 63 Resp: 212546
 Ion Ratio Lower Upper
 63 100
 65 29.8 25.4 38.0



#46
 Dibromomethane
 Concen: 49.490 ug/l
 RT: 9.45 min Scan# 1238
 Delta R.T. -0.01 min
 Lab File: VW008644.D
 Acq: 13 Feb 2019 16:55

Tgt Ion: 93 Resp: 113907
 Ion Ratio Lower Upper
 93 100
 95 85.8 65.8 98.8
 174 105.4 82.5 123.7





#47

Bromodichloromethane

Concen: 51.430 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

Instrument :

MSVOA_W

ClientSampleId :

ICVW021319

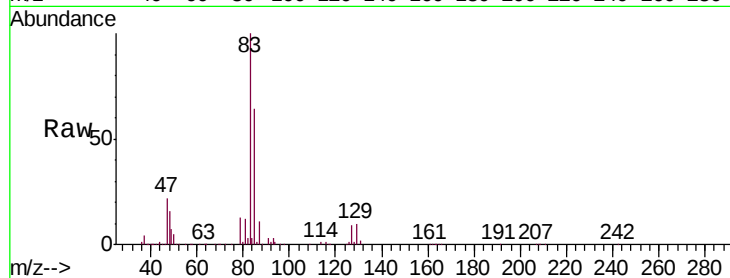
Tgt Ion: 83 Resp: 284482

Ion Ratio Lower Upper

83 100

85 64.1 51.2 76.8

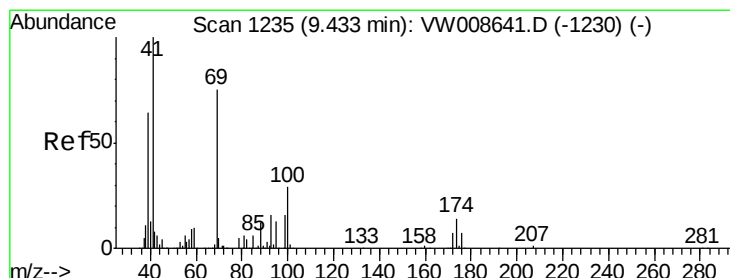
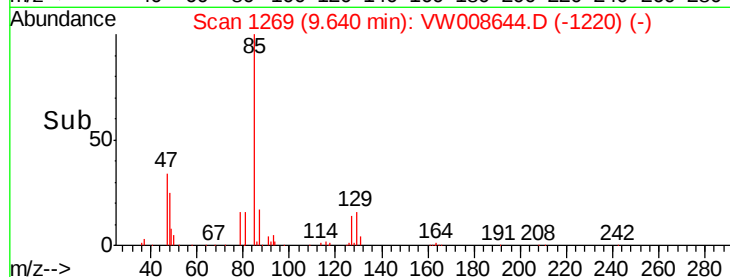
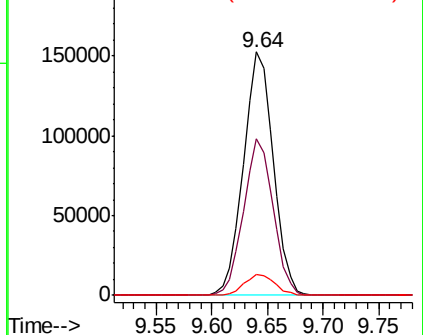
127 8.7 6.4 9.6



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: 52.394 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

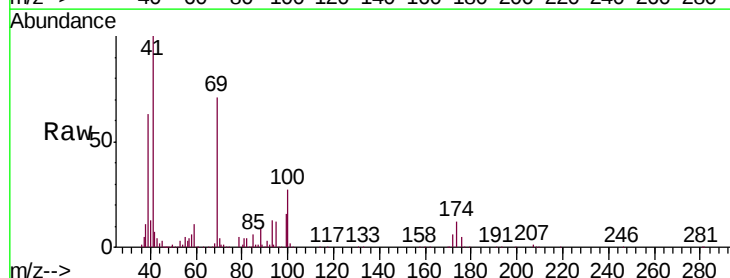
Tgt Ion: 41 Resp: 144378

Ion Ratio Lower Upper

41 100

69 78.7 64.1 96.1

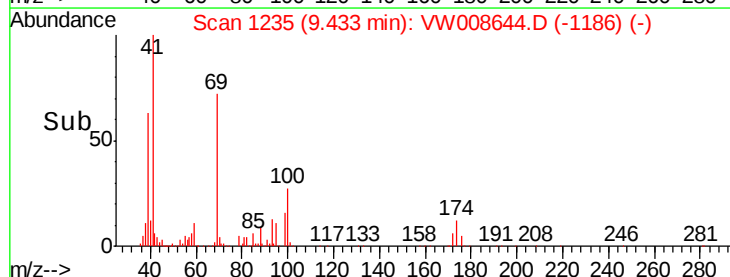
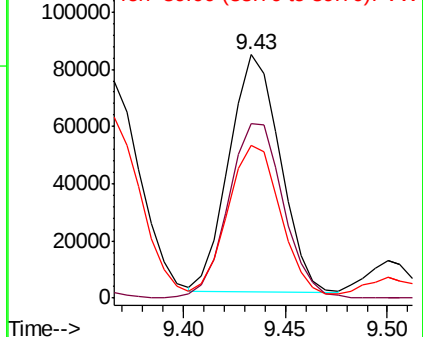
39 64.2 52.3 78.5

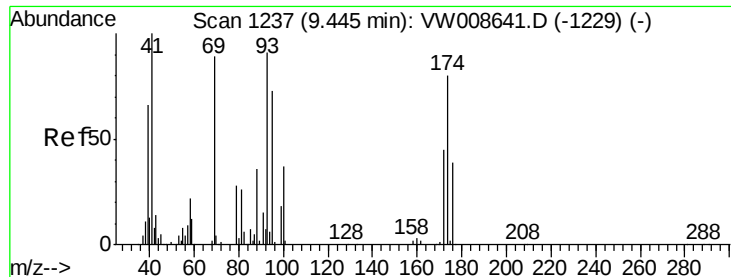


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

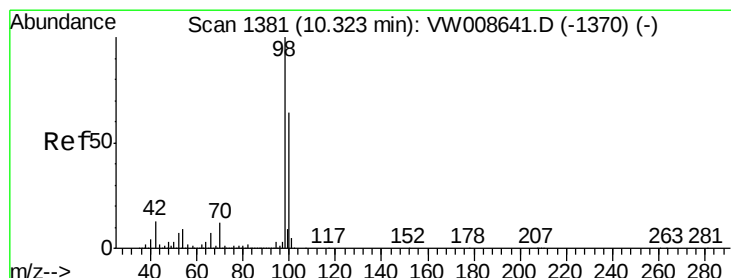
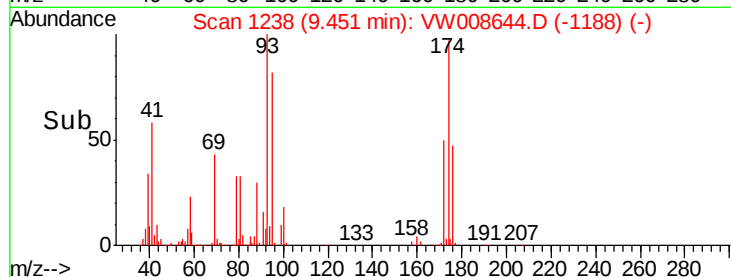
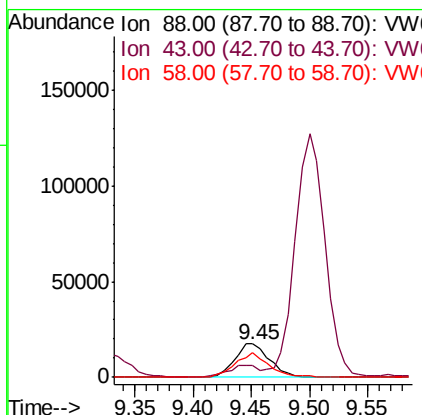
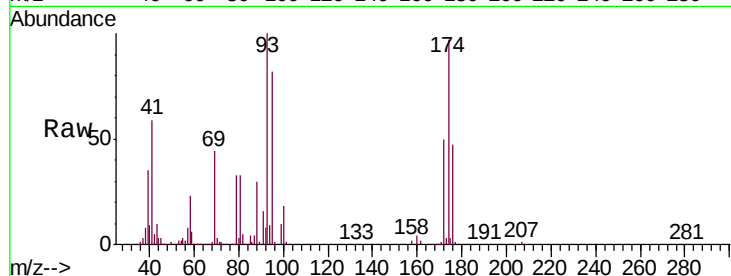




#49
1,4-Dioxane
Concen: 994.581 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW008644.D
Acq: 13 Feb 2019 16:55

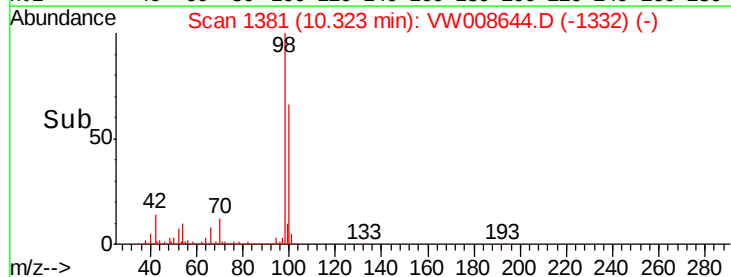
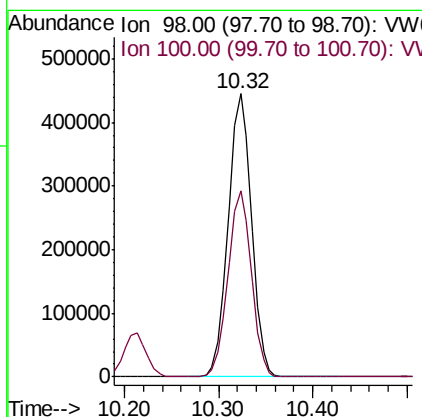
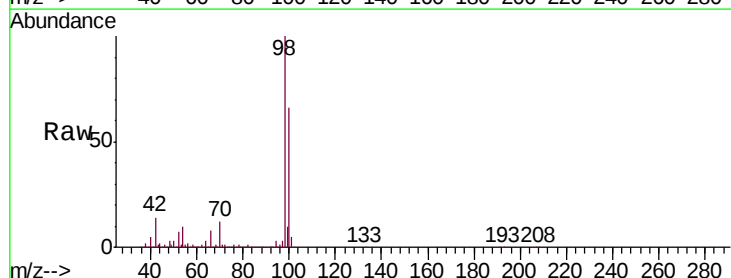
Instrument :
MSVOA_W
ClientSampleId :
ICVW021319

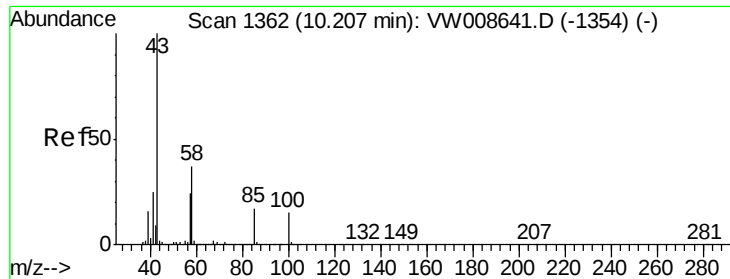
Tgt Ion: 88 Resp: 36540
Ion Ratio Lower Upper
88 100
43 28.9 31.0 46.6#
58 73.1 57.0 85.6



#50
Toluene-d8
Concen: 51.970 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008644.D
Acq: 13 Feb 2019 16:55

Tgt Ion: 98 Resp: 765405
Ion Ratio Lower Upper
98 100
100 65.9 52.2 78.4

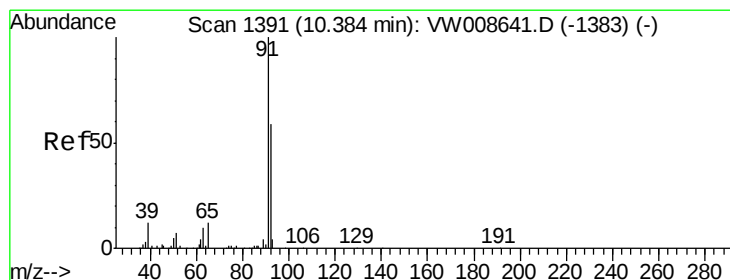
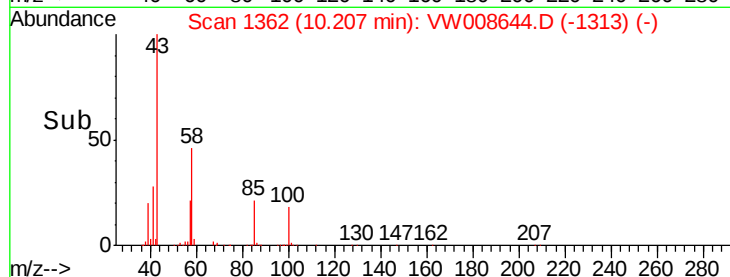
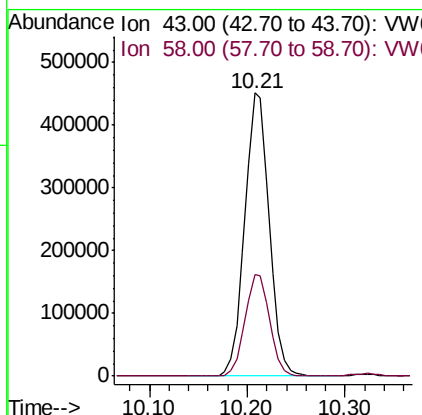
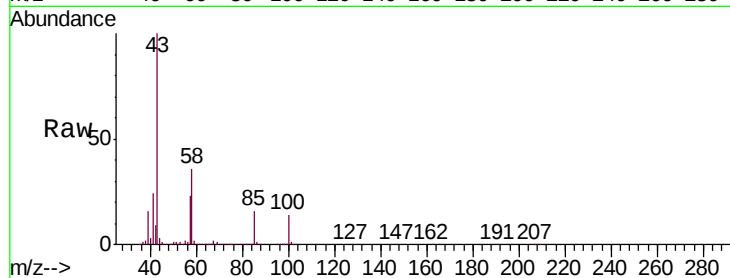




#51
 4-Methyl-2-Pentanone
 Concen: 255.160 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW008644.D
 Acq: 13 Feb 2019 16:55

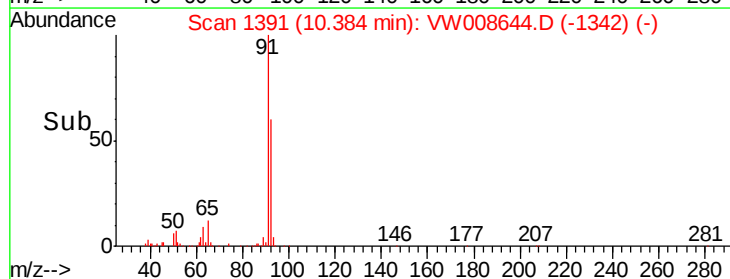
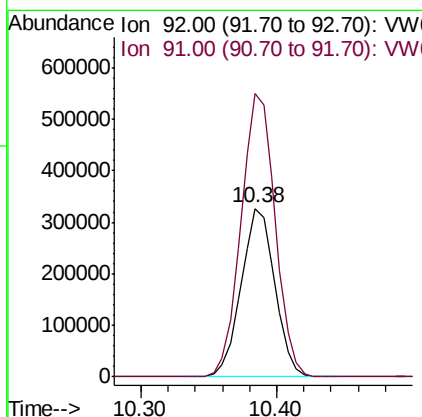
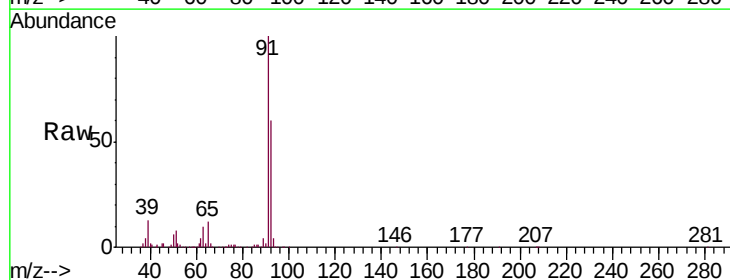
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW021319

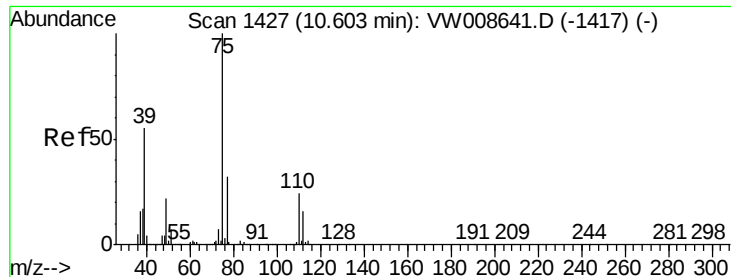
Tgt Ion: 43 Resp: 779366
 Ion Ratio Lower Upper
 43 100
 58 36.2 29.0 43.6



#52
 Toluene
 Concen: 51.677 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VW008644.D
 Acq: 13 Feb 2019 16:55

Tgt Ion: 92 Resp: 562841
 Ion Ratio Lower Upper
 92 100
 91 171.0 135.8 203.6





#53

t-1,3-Dichloropropene

Concen: 52.262 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

Instrument :

MSVOA_W

ClientSampleId :

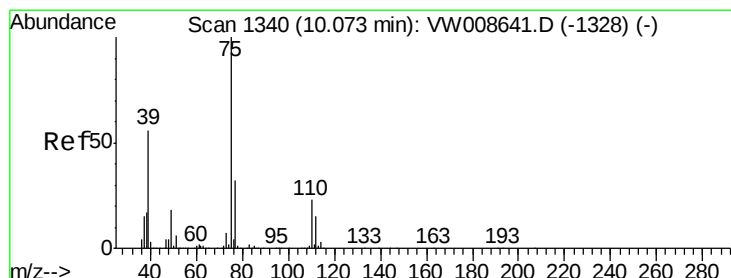
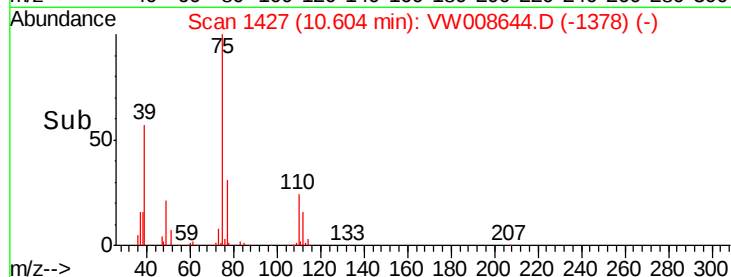
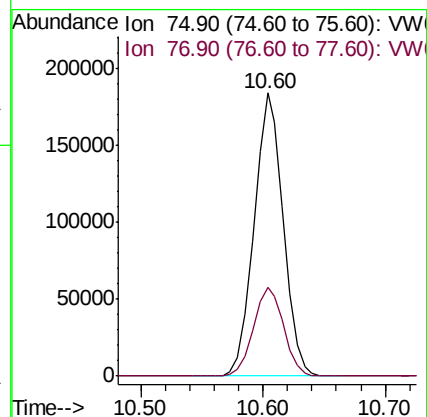
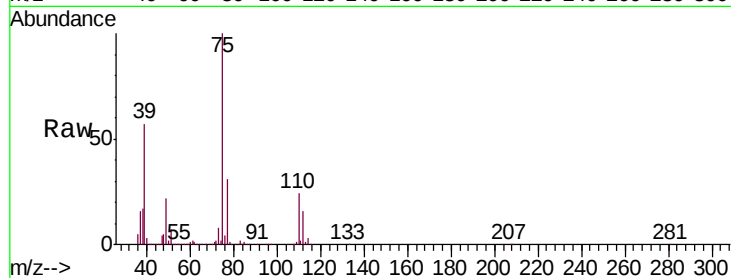
ICVW021319

Tgt Ion: 75 Resp: 303697

Ion Ratio Lower Upper

75 100

77 31.4 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 52.650 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

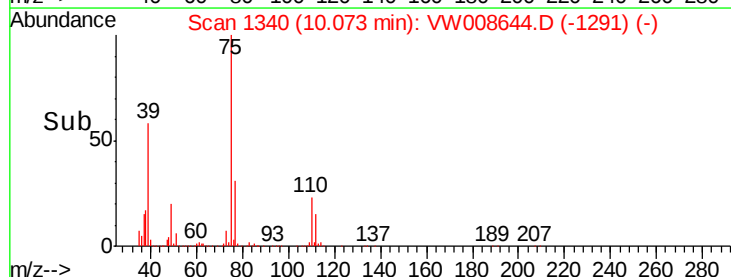
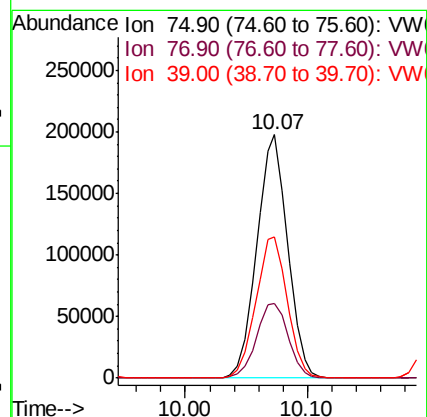
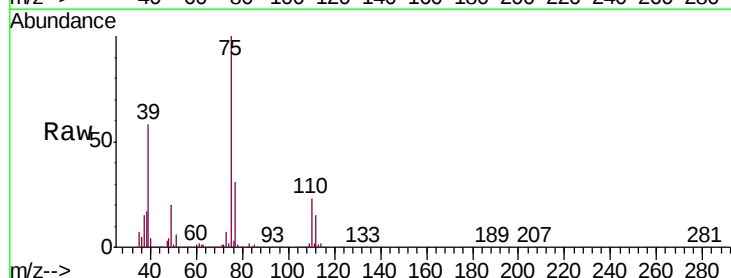
Tgt Ion: 75 Resp: 346822

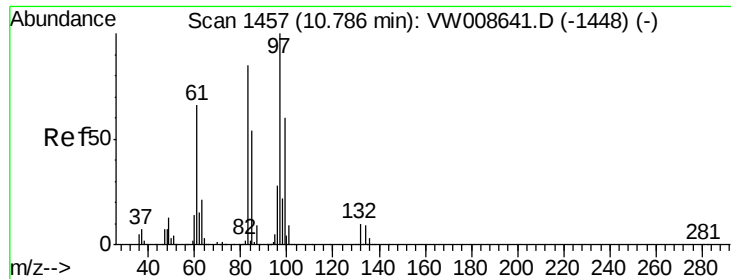
Ion Ratio Lower Upper

75 100

77 30.7 25.4 38.0

39 58.0 44.5 66.7

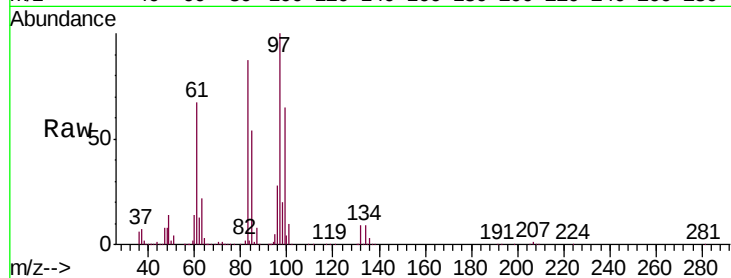




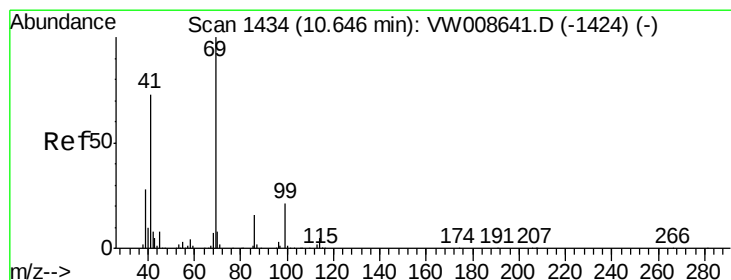
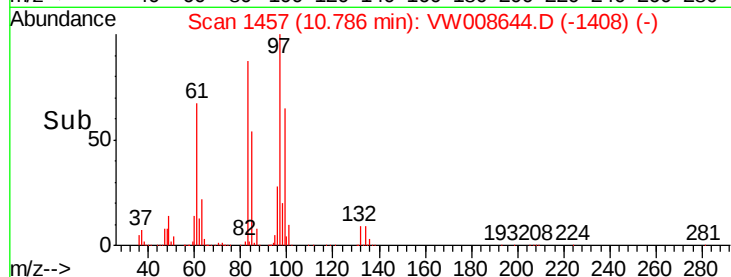
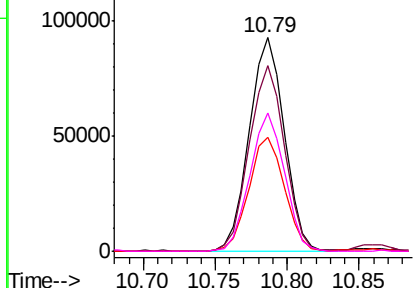
#55
 1,1,2-Trichloroethane
 Concen: 49.468 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008644.D
 Acq: 13 Feb 2019 16:55

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW021319

Tgt Ion:	97	Resp:	156225
Ion	Ratio	Lower	Upper
97	100		
83	86.9	68.4	102.6
85	53.6	43.1	64.7
99	64.9	47.8	71.8

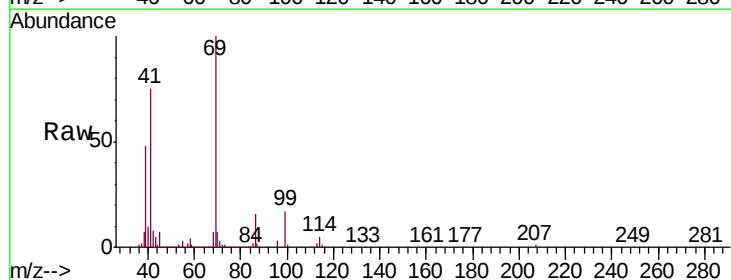


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

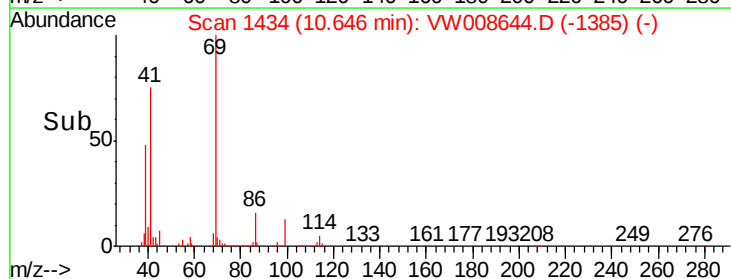
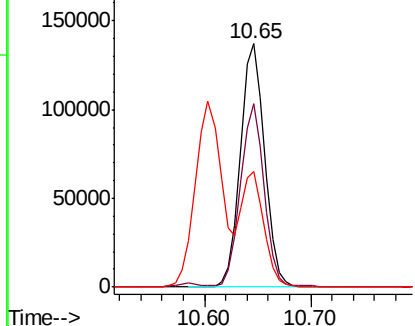


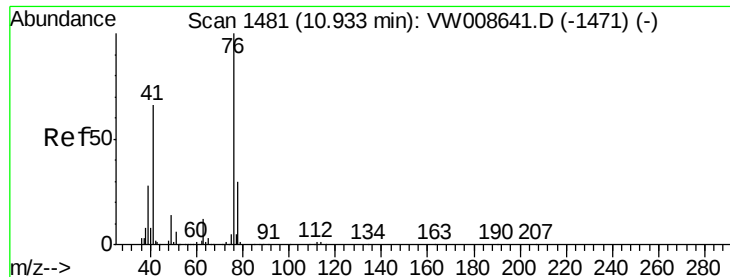
#56
 Ethyl methacrylate
 Concen: 52.503 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008644.D
 Acq: 13 Feb 2019 16:55

Tgt Ion:	69	Resp:	220173
Ion	Ratio	Lower	Upper
69	100		
41	73.2	59.0	88.4
39	43.2	34.4	51.6



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: 50.795 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

Instrument :

MSVOA_W

ClientSampleId :

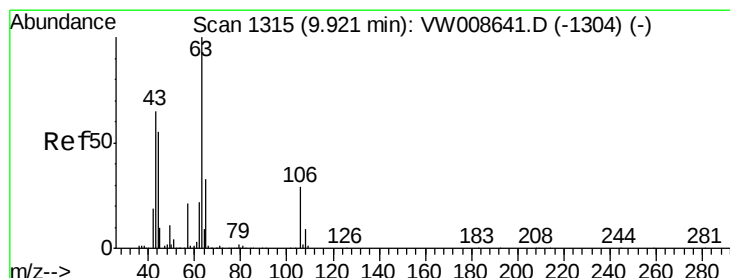
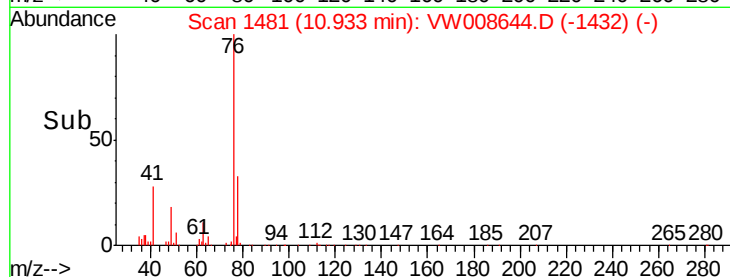
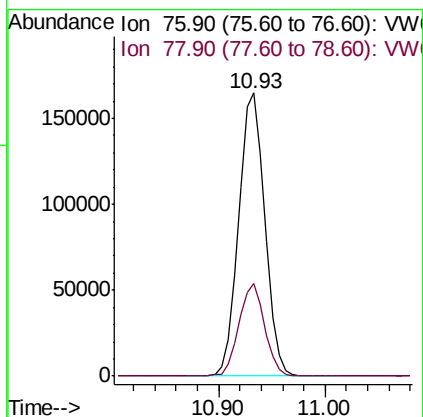
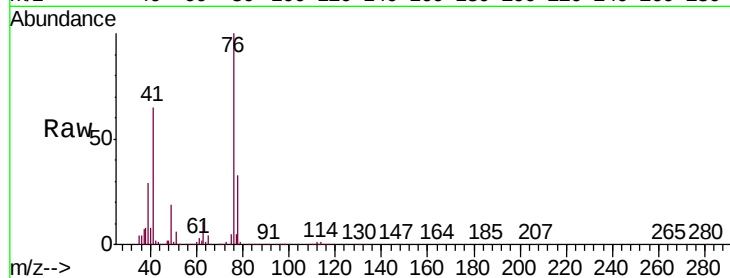
ICVW021319

Tgt Ion: 76 Resp: 284619

Ion Ratio Lower Upper

76 100

78 32.0 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 251.764 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW008644.D

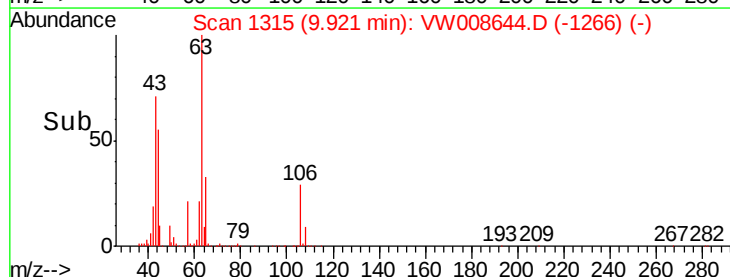
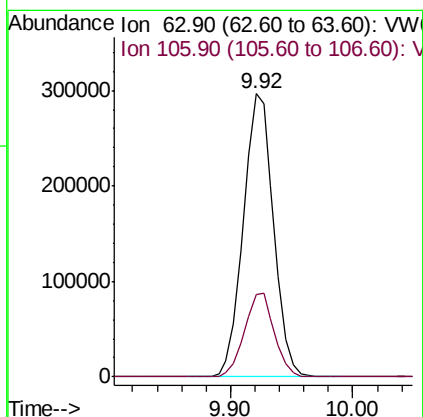
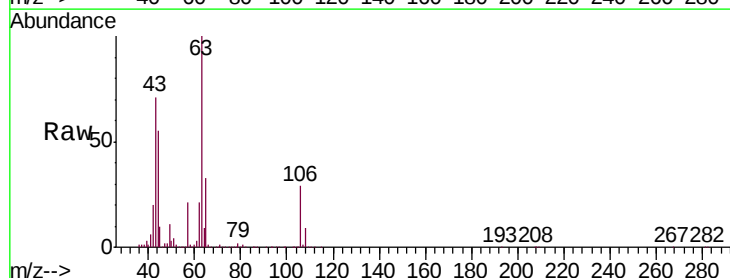
Acq: 13 Feb 2019 16:55

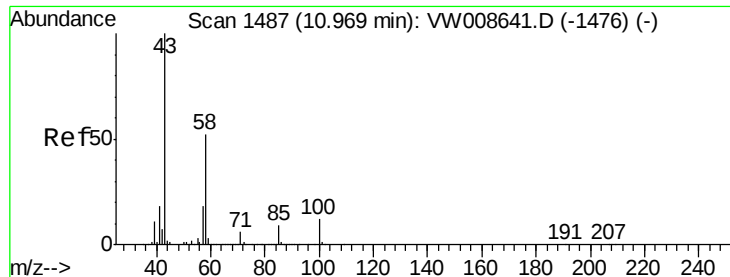
Tgt Ion: 63 Resp: 506461

Ion Ratio Lower Upper

63 100

106 29.3 23.4 35.2





#59

2-Hexanone

Concen: 264.292 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

Instrument :

MSVOA_W

ClientSampleId :

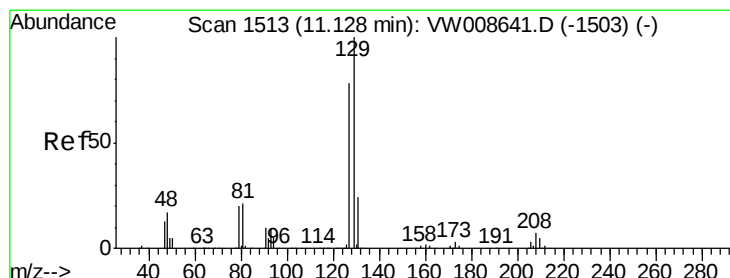
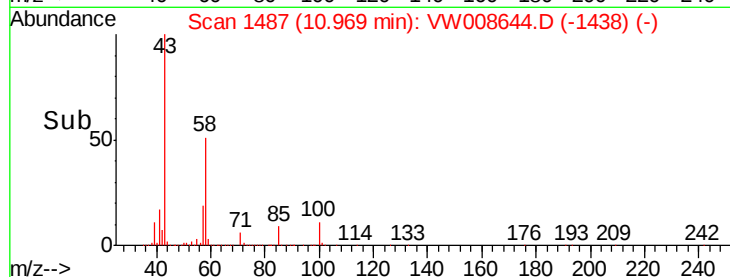
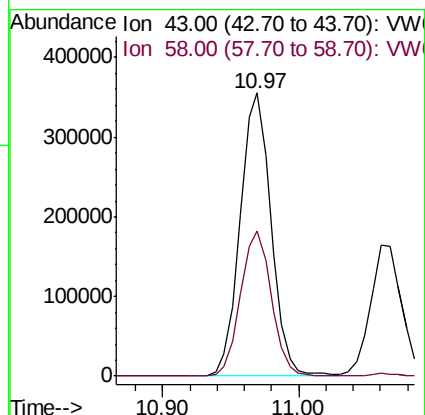
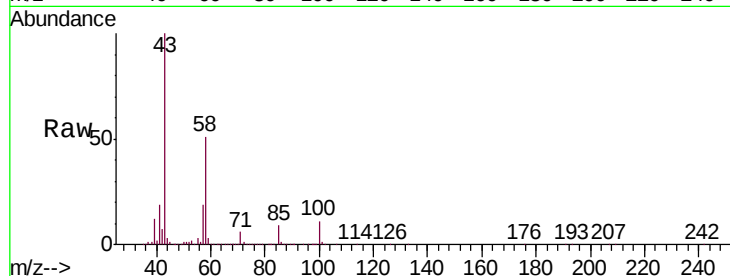
ICVW021319

Tgt Ion: 43 Resp: 567099

Ion Ratio Lower Upper

43 100

58 51.0 25.6 76.6



#60

Dibromochloromethane

Concen: 50.643 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW008644.D

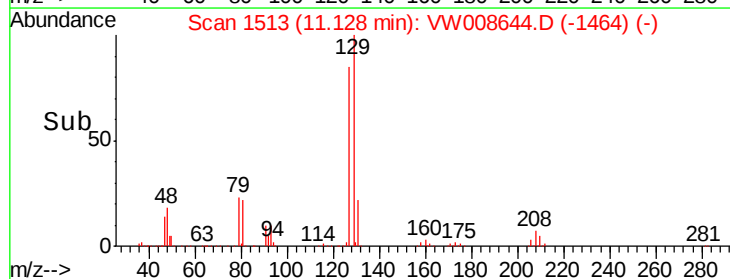
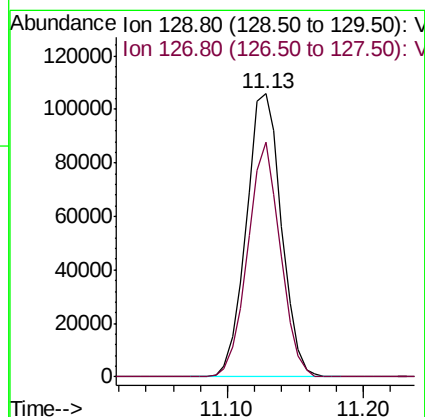
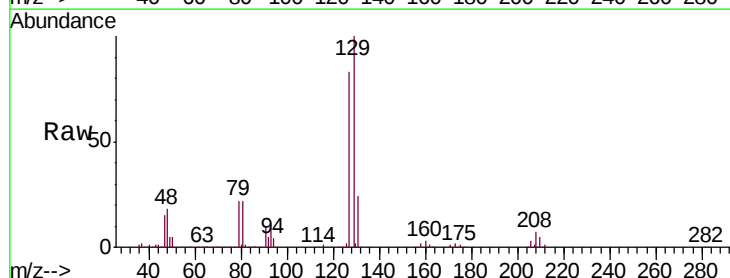
Acq: 13 Feb 2019 16:55

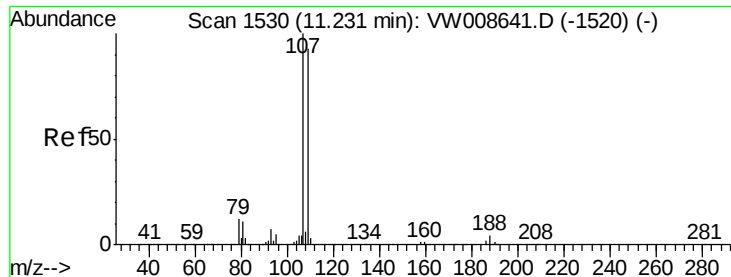
Tgt Ion: 129 Resp: 191364

Ion Ratio Lower Upper

129 100

127 77.2 38.5 115.3

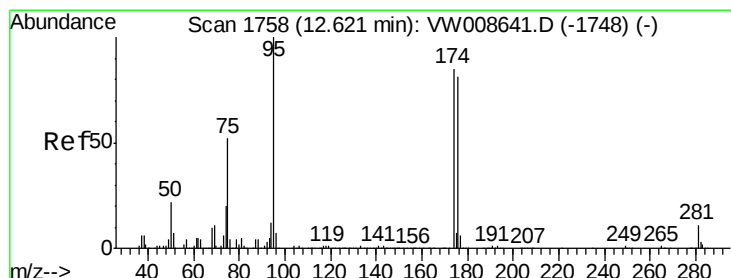
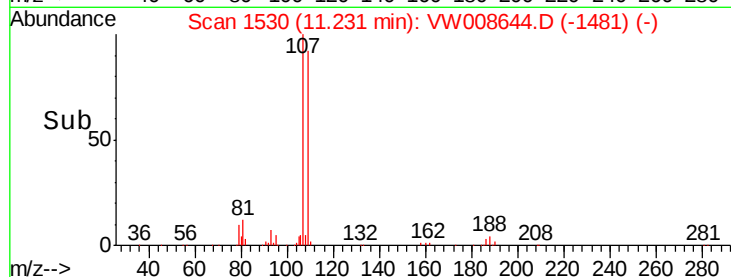
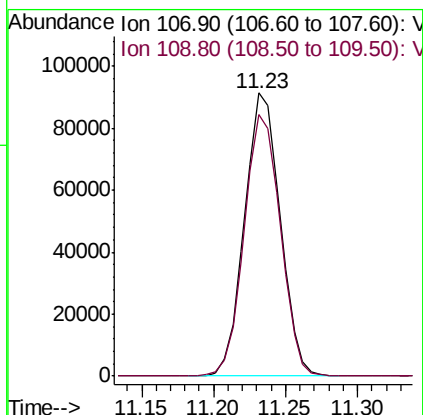
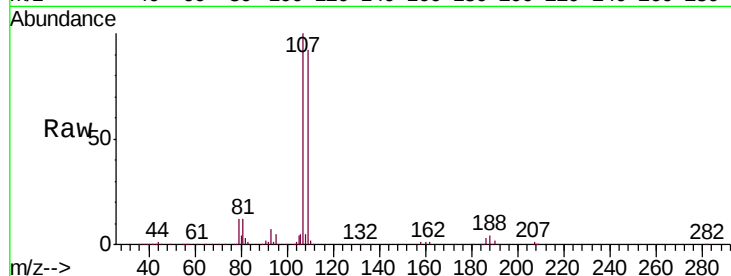




#61
1,2-Dibromoethane
Concen: 50.304 ug/l
RT: 11.23 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VW008644.D
Acq: 13 Feb 2019 16:55

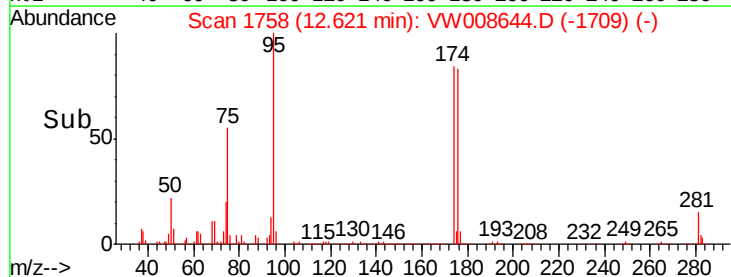
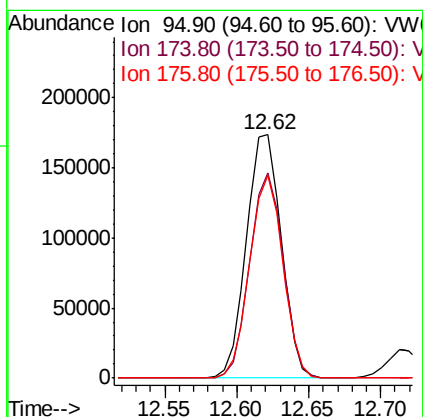
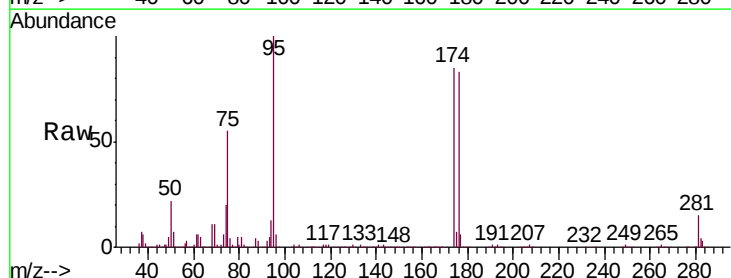
Instrument :
MSVOA_W
ClientSampleId :
ICVW021319

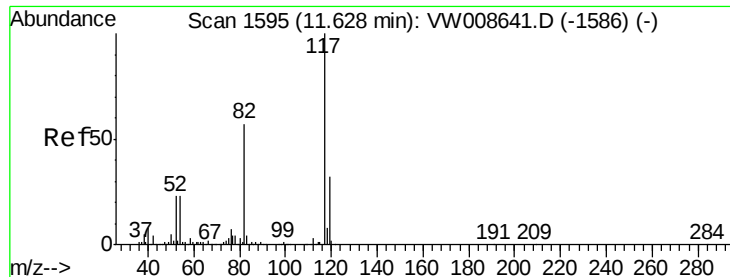
Tgt Ion: 107 Resp: 156418
Ion Ratio Lower Upper
107 100
109 93.9 74.8 112.2



#62
4-Bromofluorobenzene
Concen: 52.451 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW008644.D
Acq: 13 Feb 2019 16:55

Tgt Ion: 95 Resp: 290974
Ion Ratio Lower Upper
95 100
174 80.7 0.0 163.2
176 79.3 0.0 158.0

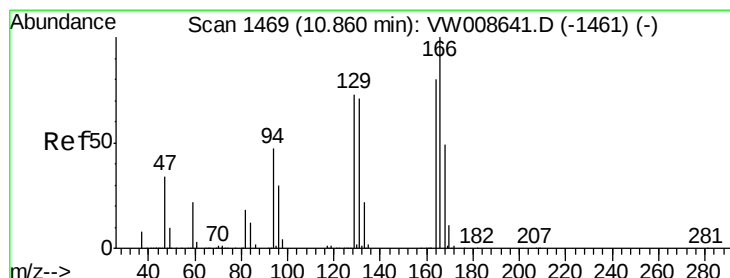
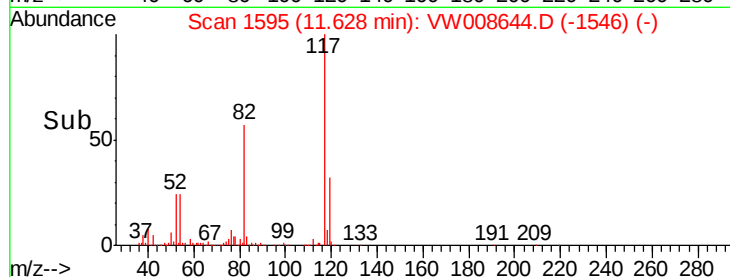
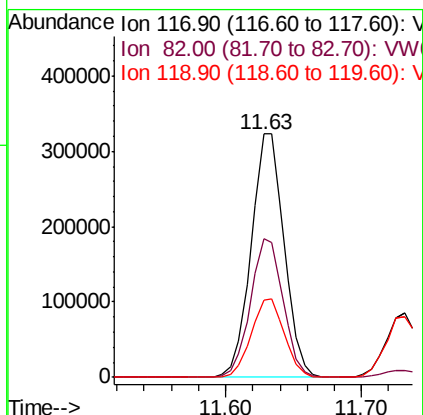
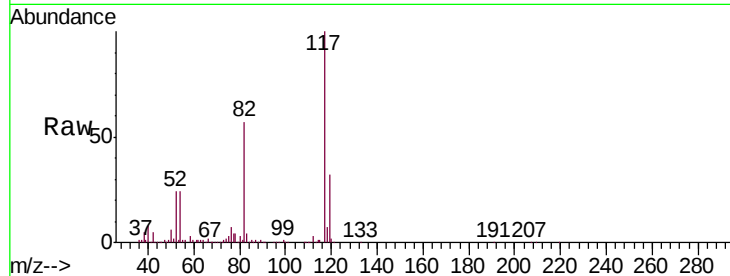




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW008644.D
Acq: 13 Feb 2019 16:55

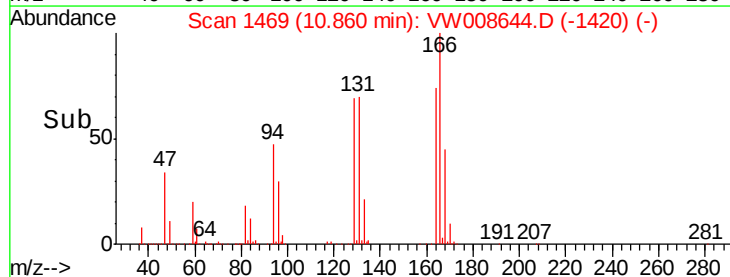
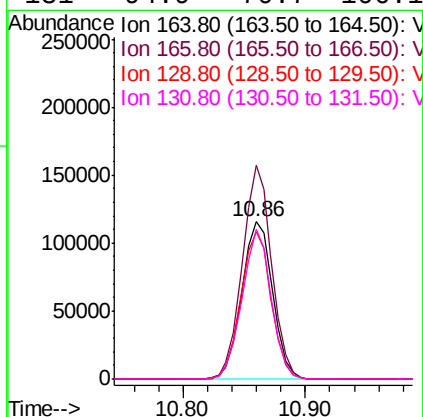
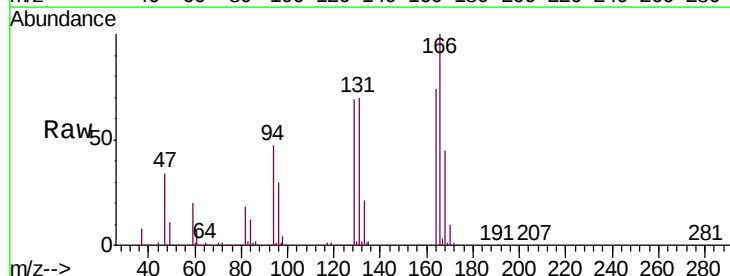
Instrument :
MSVOA_W
ClientSampleId :
ICVW021319

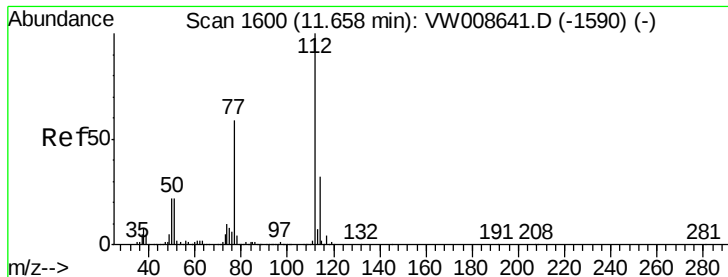
Tgt Ion:117 Resp: 549191
Ion Ratio Lower Upper
117 100
82 57.0 45.6 68.4
119 31.8 25.7 38.5



#64
Tetrachloroethene
Concen: 49.433 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW008644.D
Acq: 13 Feb 2019 16:55

Tgt Ion:164 Resp: 201886
Ion Ratio Lower Upper
164 100
166 135.8 100.2 150.2
129 93.3 73.6 110.4
131 94.9 70.7 106.1





#65

Chlorobenzene

Concen: 50.957 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

Instrument :

MSVOA_W

ClientSampleId :

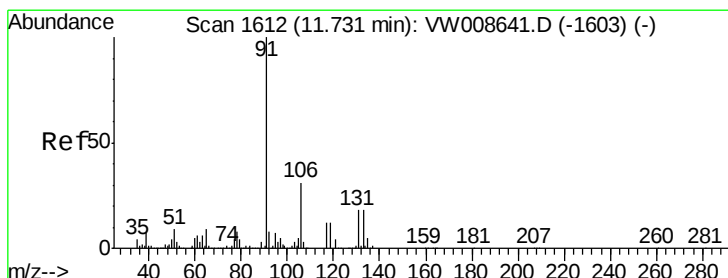
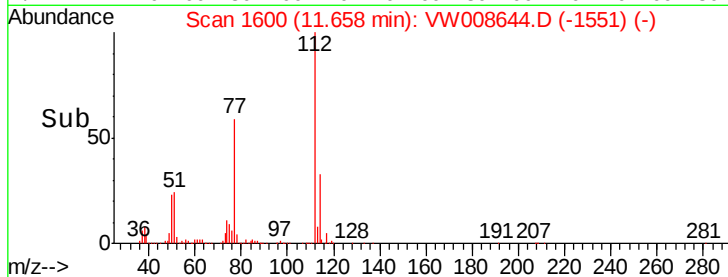
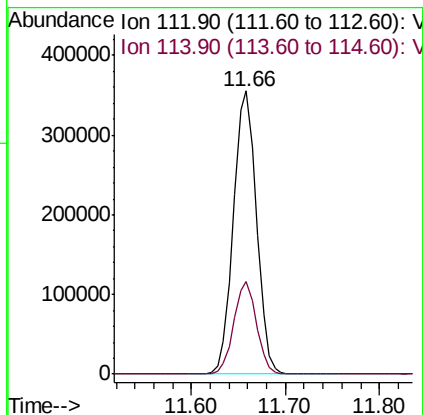
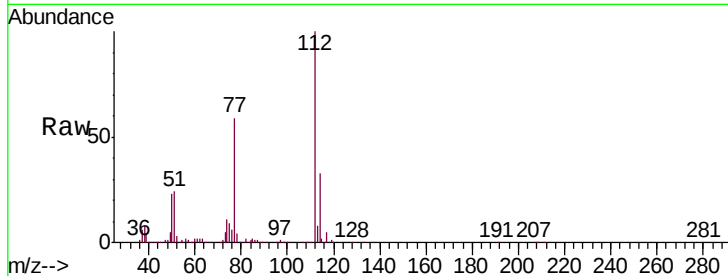
ICVW021319

Tgt Ion:112 Resp: 603180

Ion Ratio Lower Upper

112 100

114 32.8 25.7 38.5



#66

1,1,1,2-Tetrachloroethane

Concen: 51.178 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

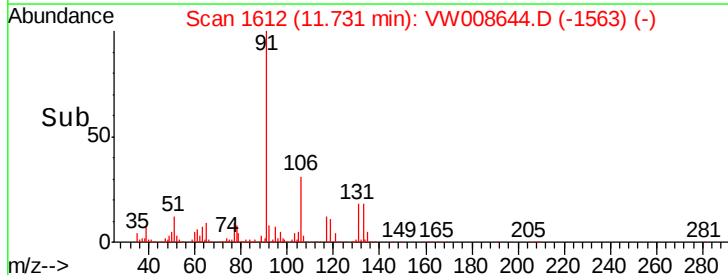
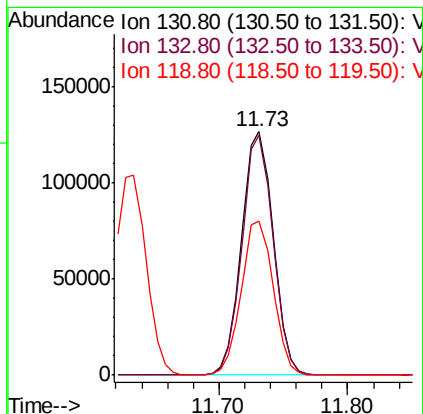
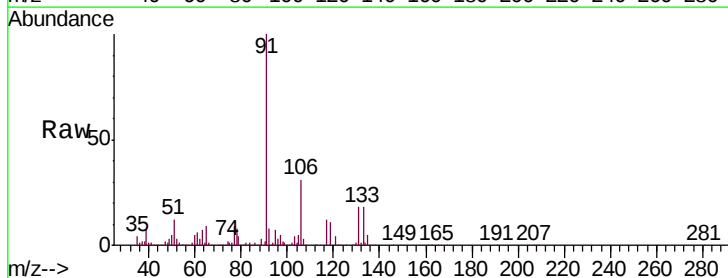
Tgt Ion:131 Resp: 214605

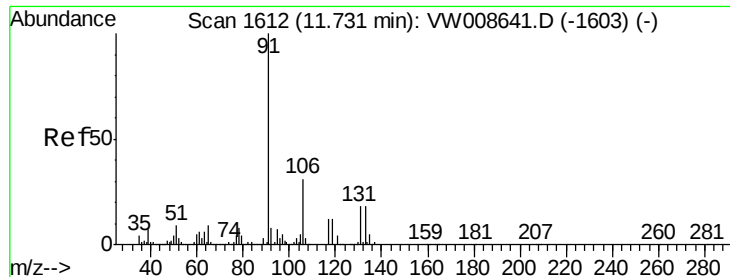
Ion Ratio Lower Upper

131 100

133 96.8 47.8 143.4

119 64.2 31.6 94.8

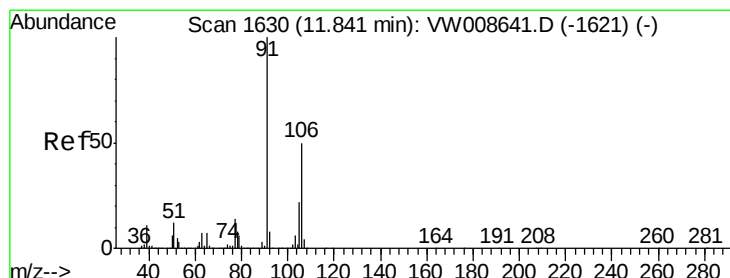
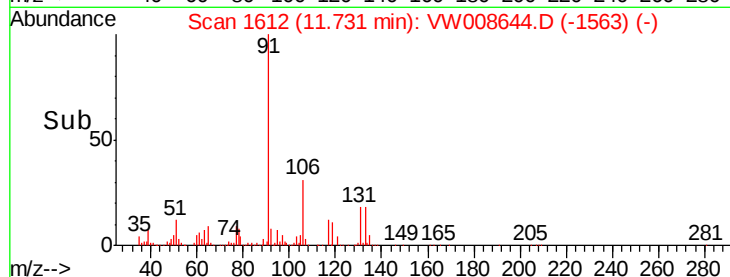
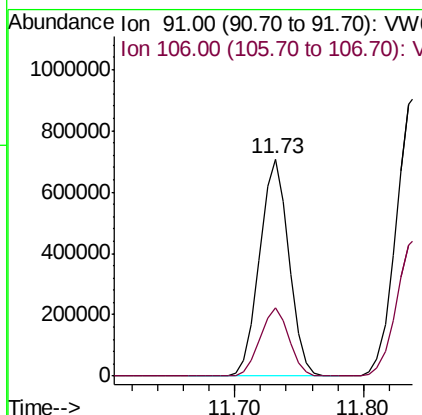
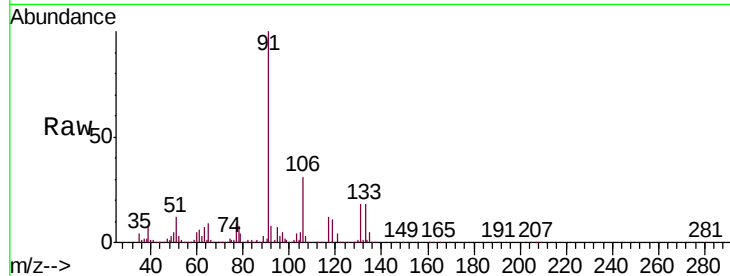




#67
Ethyl Benzene
Concen: 52.586 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008644.D
Acq: 13 Feb 2019 16:55

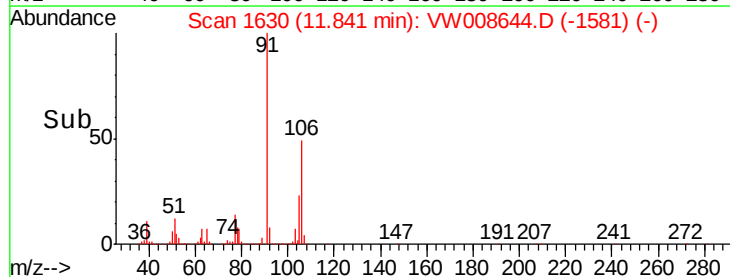
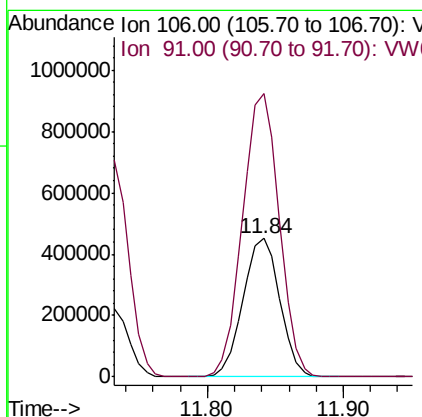
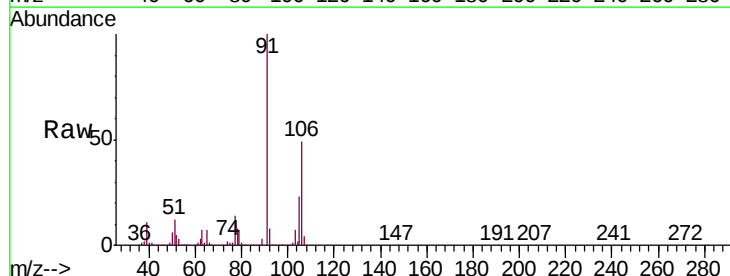
Instrument :
MSVOA_W
ClientSampleId :
ICVW021319

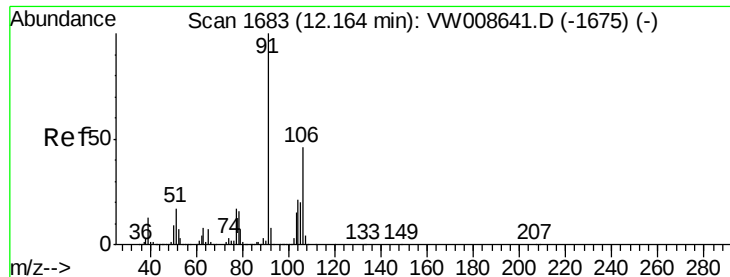
Tgt Ion: 91 Resp: 1108802
Ion Ratio Lower Upper
91 100
106 31.3 24.5 36.7



#68
m/p-Xylenes
Concen: 104.430 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008644.D
Acq: 13 Feb 2019 16:55

Tgt Ion: 106 Resp: 856760
Ion Ratio Lower Upper
106 100
91 203.7 161.0 241.4

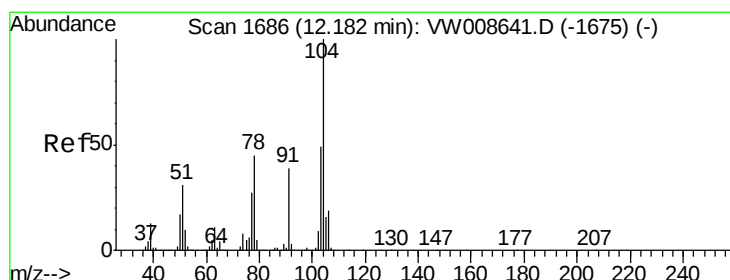
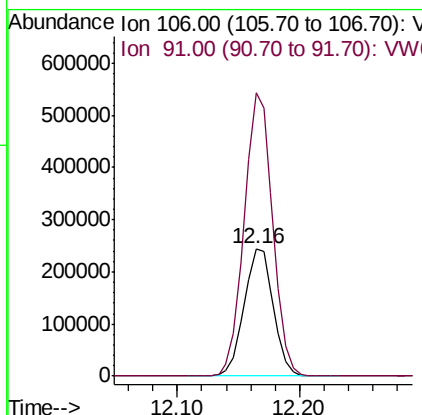
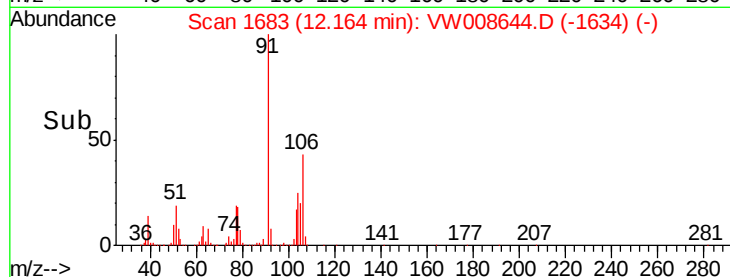
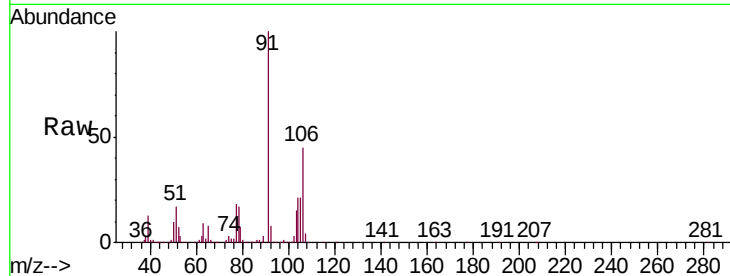




#69
o-Xylene
Concen: 52.133 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW008644.D
Acq: 13 Feb 2019 16:55

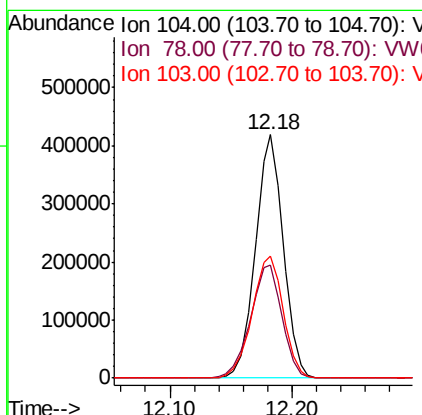
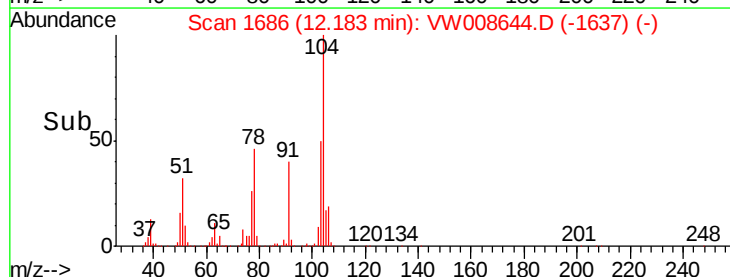
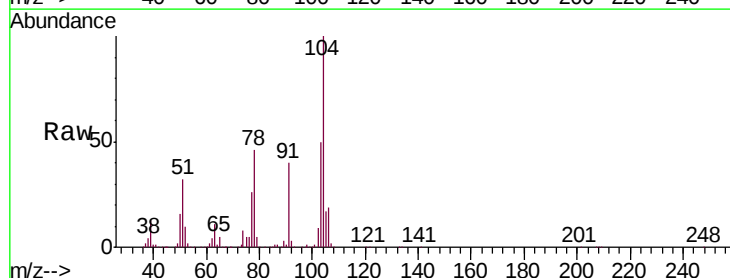
Instrument :
MSVOA_W
ClientSampleId :
ICVW021319

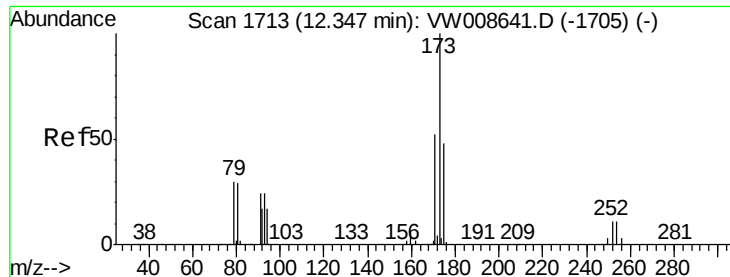
Tgt Ion:106 Resp: 404287
Ion Ratio Lower Upper
106 100
91 216.9 106.7 320.1



#70
Styrene
Concen: 52.606 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008644.D
Acq: 13 Feb 2019 16:55

Tgt Ion:104 Resp: 666334
Ion Ratio Lower Upper
104 100
78 52.3 41.5 62.3
103 55.9 43.5 65.3





#71

Bromoform

Concen: 52.946 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

Instrument :

MSVOA_W

ClientSampleId :

ICVW021319

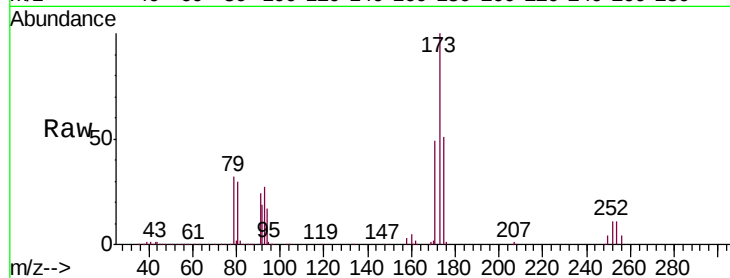
Tgt Ion:173 Resp: 119626

Ion Ratio Lower Upper

173 100

175 49.5 24.9 74.7

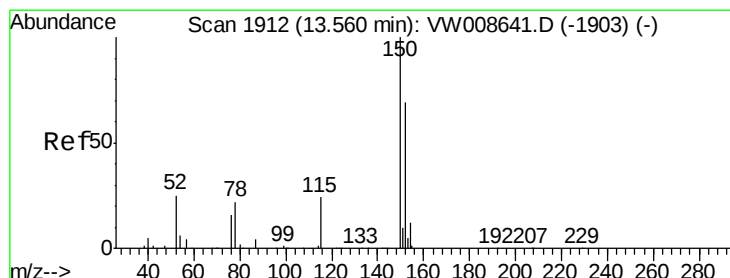
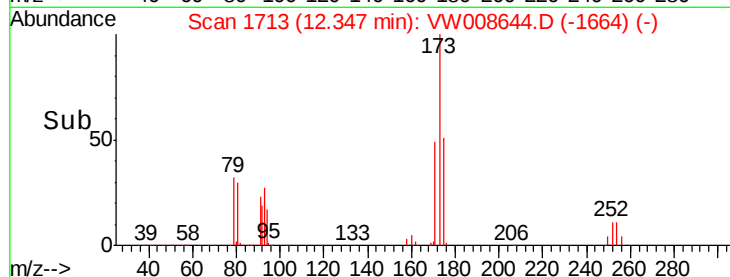
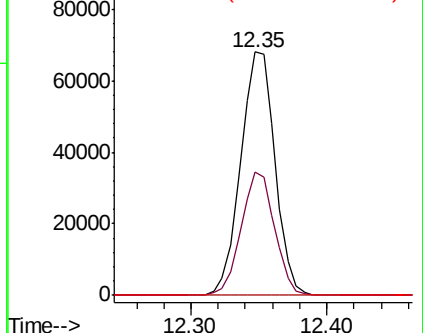
254 0.2 0.1 0.1#



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: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

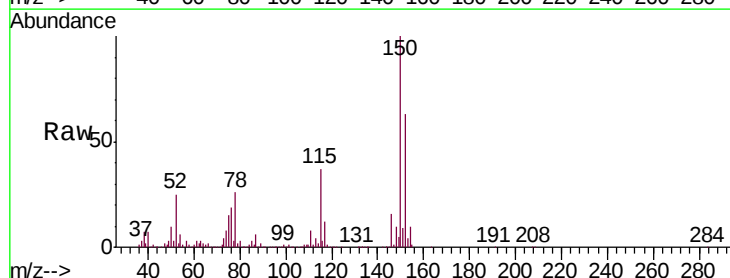
Tgt Ion:152 Resp: 304582

Ion Ratio Lower Upper

152 100

115 58.4 29.3 87.8

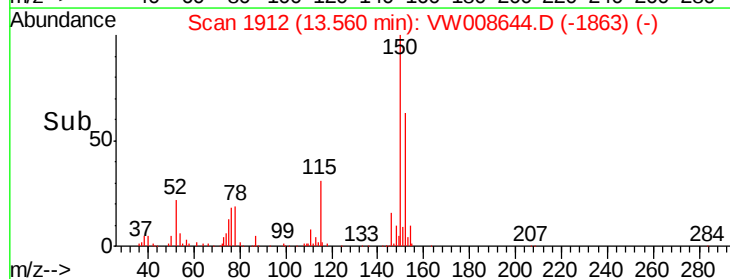
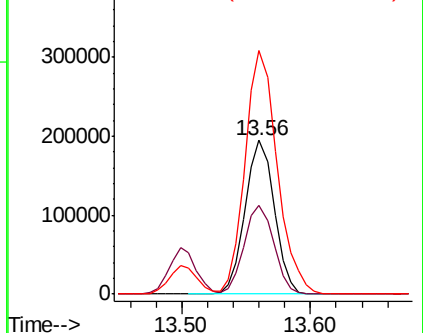
150 174.4 0.0 352.8

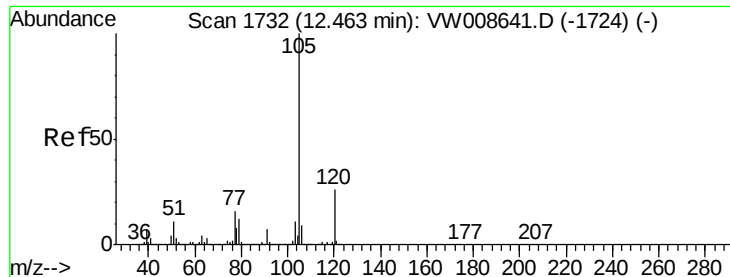


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.547 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

Instrument :

MSVOA_W

ClientSampleId :

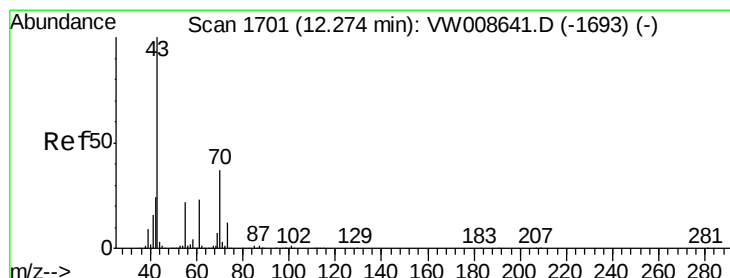
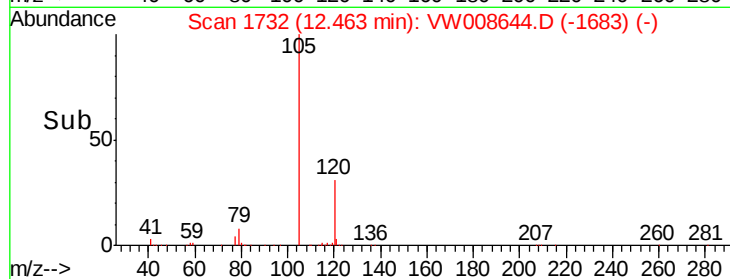
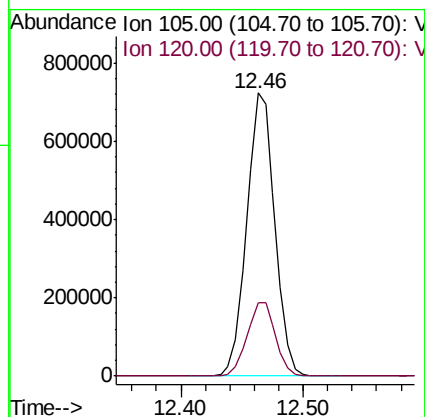
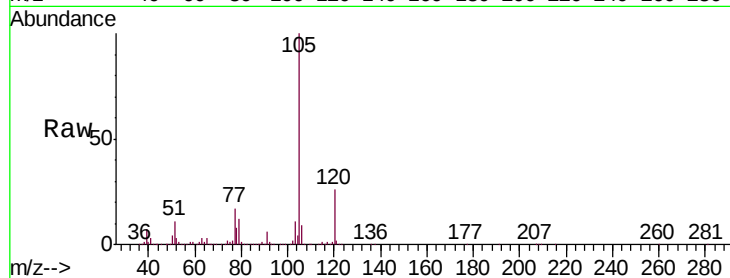
ICVW021319

Tgt Ion:105 Resp: 1146801

Ion Ratio Lower Upper

105 100

120 26.5 13.2 39.6



#74

N-ethyl acetate

Concen: 50.513 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

Tgt Ion: 43 Resp: 309904

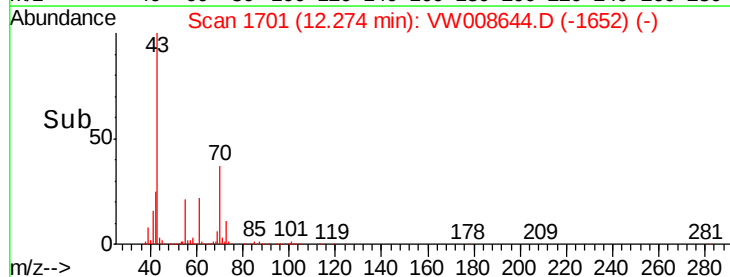
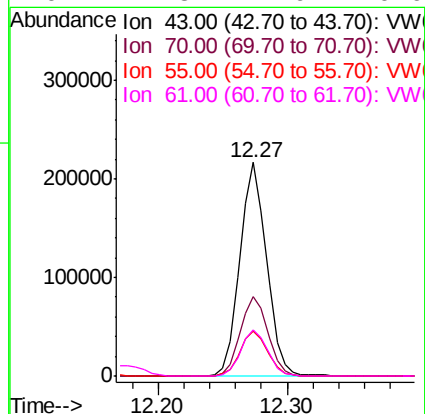
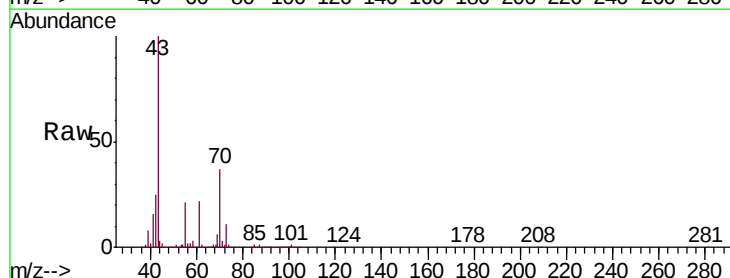
Ion Ratio Lower Upper

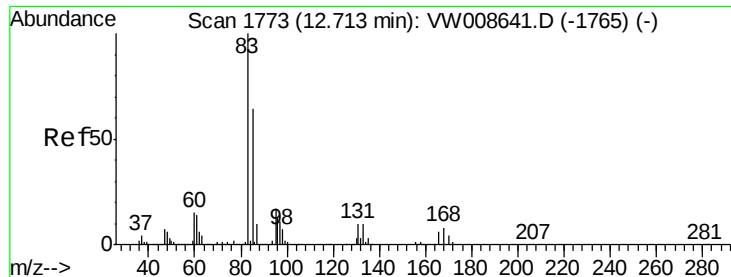
43 100

70 38.4 30.5 45.7

55 21.7 17.6 26.4

61 21.8 17.9 26.9





#75

1,1,2,2-Tetrachloroethane

Concen: 48.909 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

Instrument :

MSVOA_W

ClientSampleId :

ICVW021319

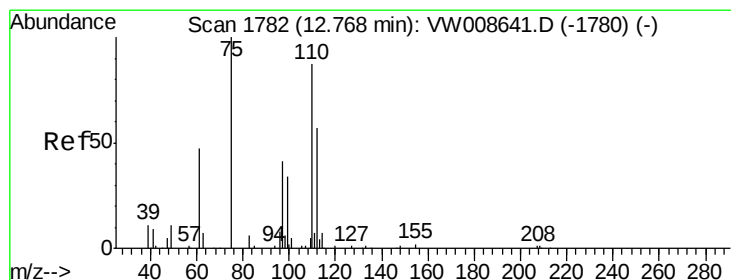
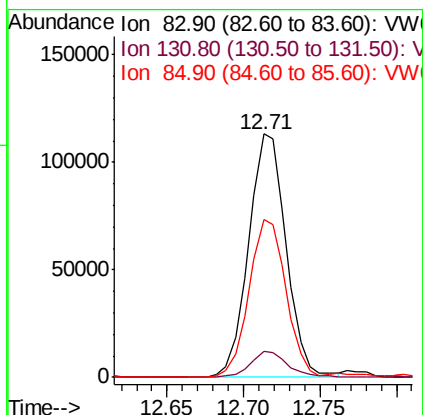
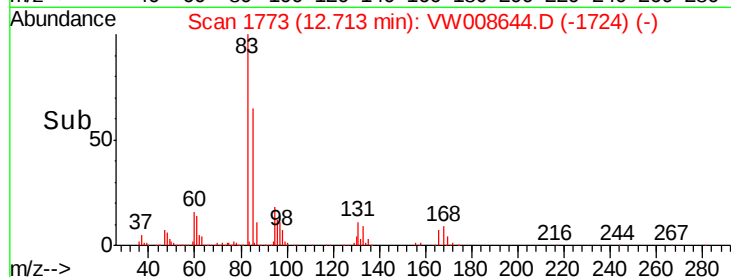
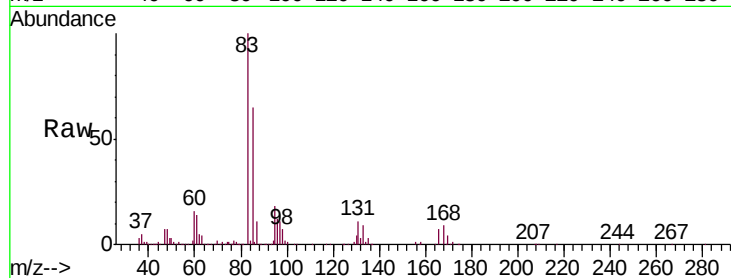
Tgt Ion: 83 Resp: 193063

Ion Ratio Lower Upper

83 100

131 10.9 5.5 16.7

85 64.1 31.8 95.3



#76

1,2,3-Trichloropropane

Concen: 90.104 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW008644.D

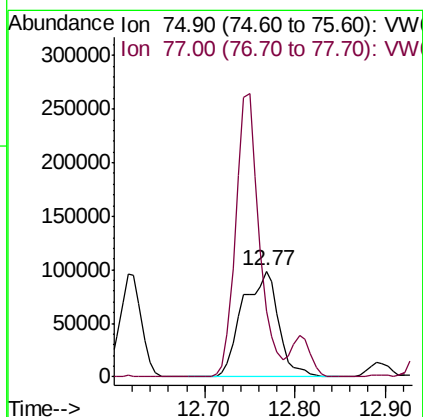
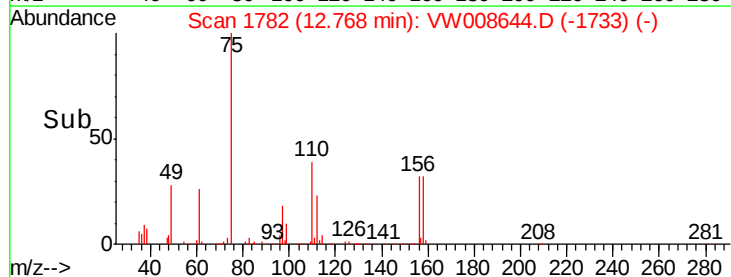
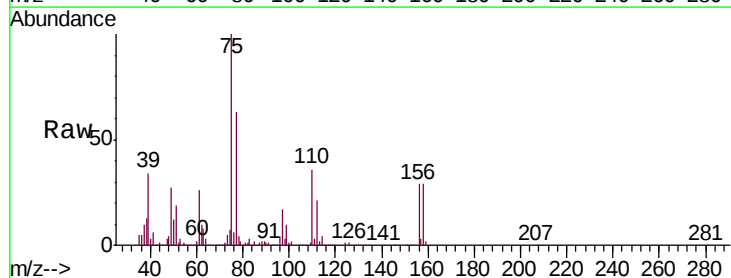
Acq: 13 Feb 2019 16:55

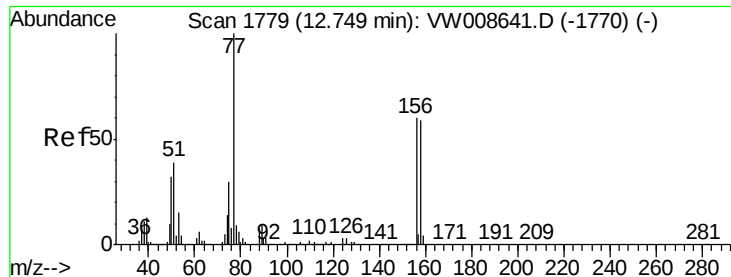
Tgt Ion: 75 Resp: 270997

Ion Ratio Lower Upper

75 100

77 177.1 0.0 0.0#





#77

Bromobenzene

Concen: 49.099 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

Instrument :

MSVOA_W

ClientSampleId :

ICVW021319

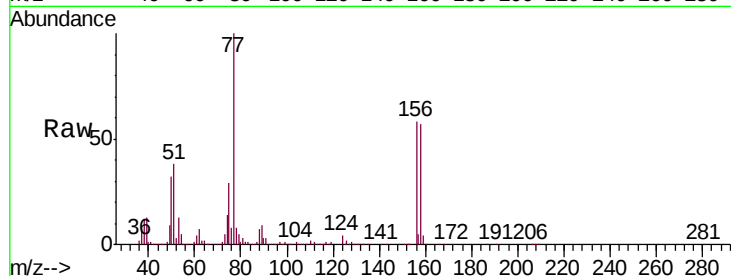
Tgt Ion:156 Resp: 256061

Ion Ratio Lower Upper

156 100

77 187.4 93.2 279.5

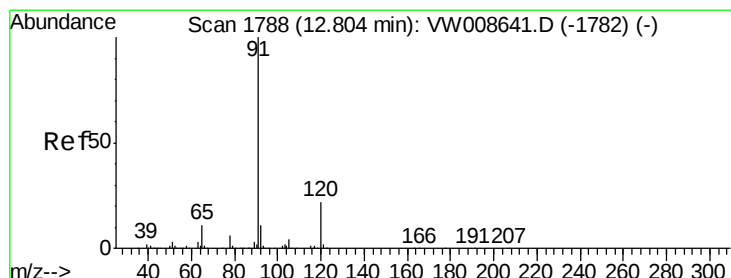
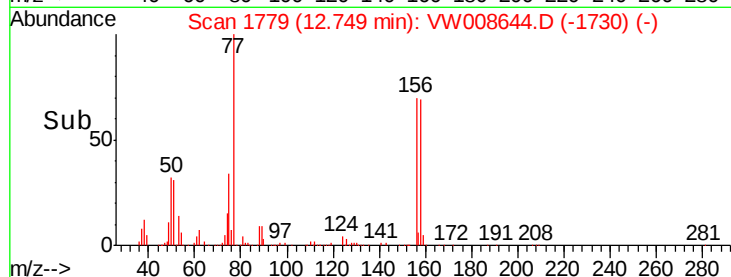
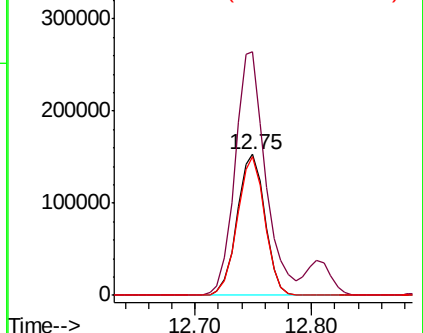
158 96.4 48.5 145.5



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: 51.337 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW008644.D

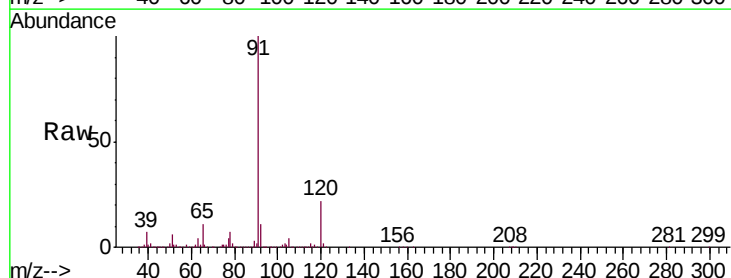
Acq: 13 Feb 2019 16:55

Tgt Ion: 91 Resp: 1383889

Ion Ratio Lower Upper

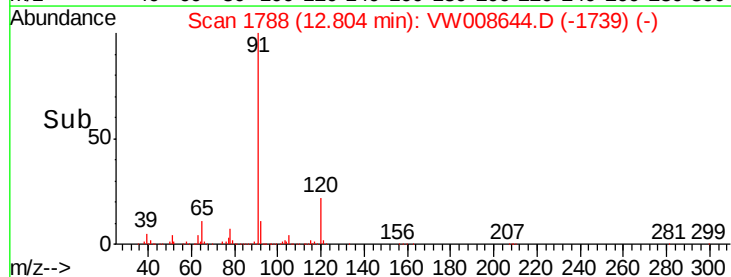
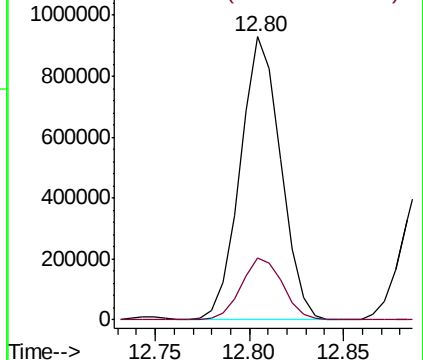
91 100

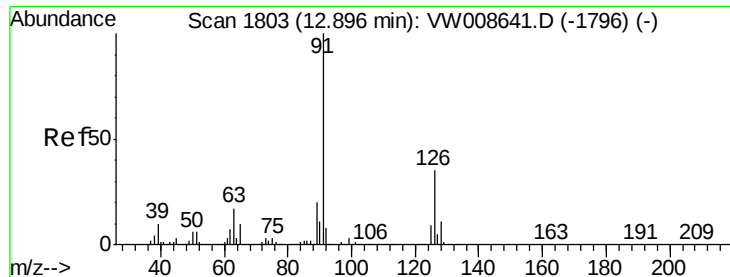
120 22.3 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.307 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

Instrument :

MSVOA_W

ClientSampleId :

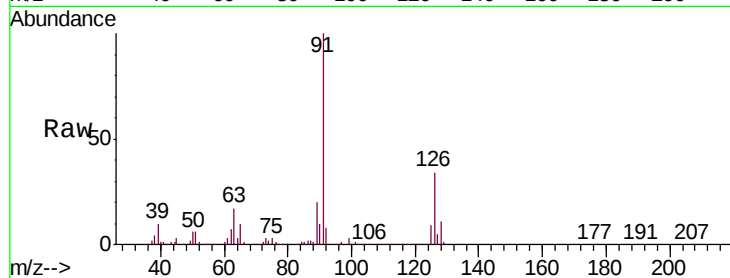
ICVW021319

Tgt Ion: 91 Resp: 781679

Ion Ratio Lower Upper

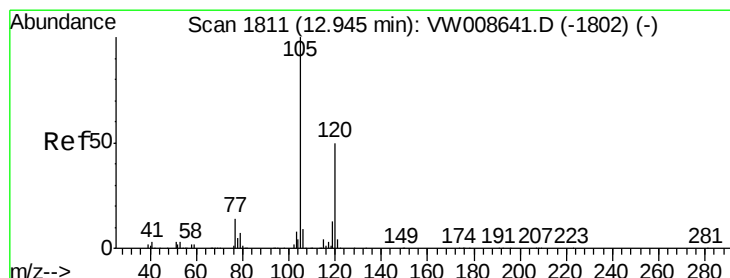
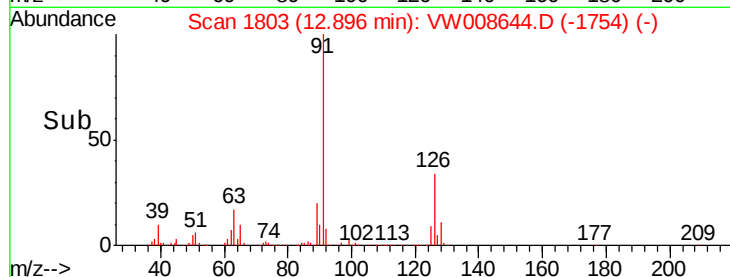
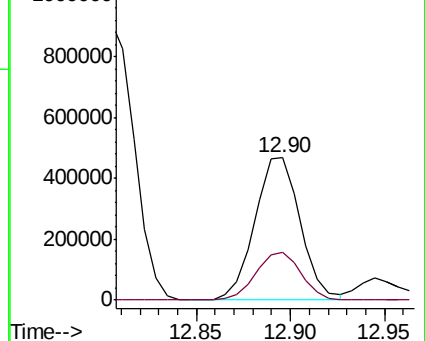
91 100

126 33.1 17.0 50.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 50.568 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008644.D

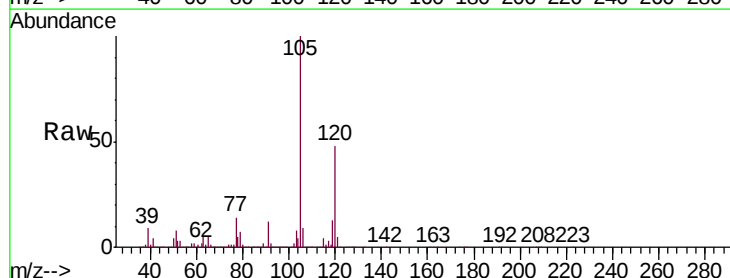
Acq: 13 Feb 2019 16:55

Tgt Ion: 105 Resp: 952944

Ion Ratio Lower Upper

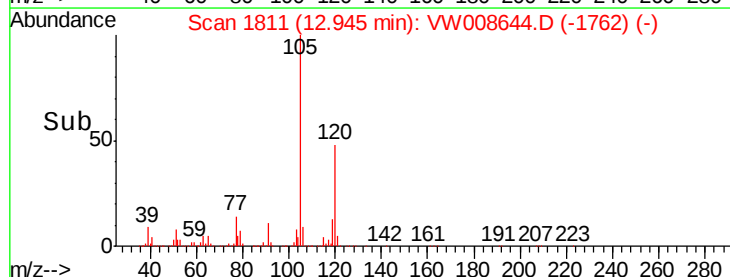
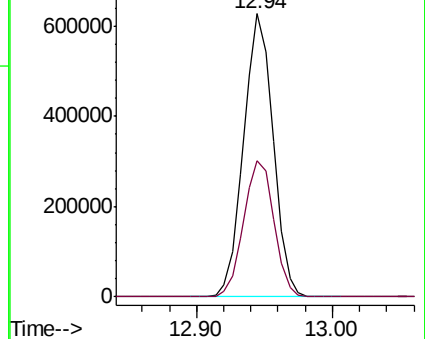
105 100

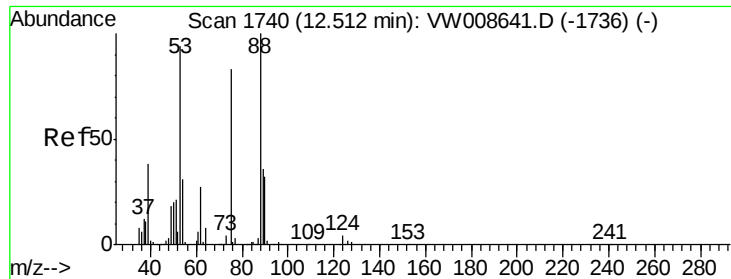
120 49.4 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

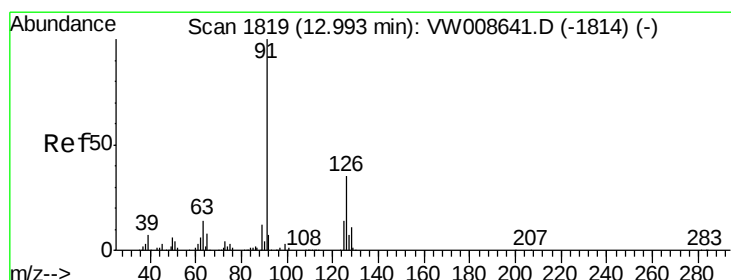
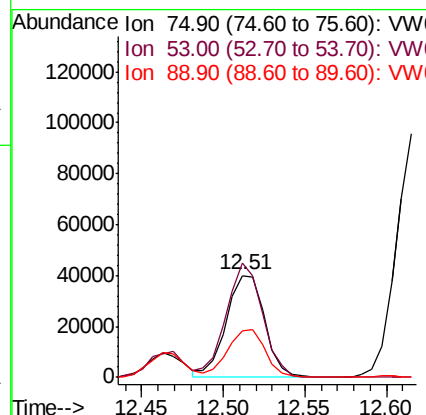
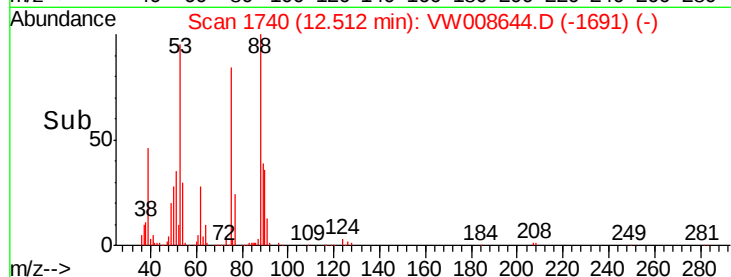
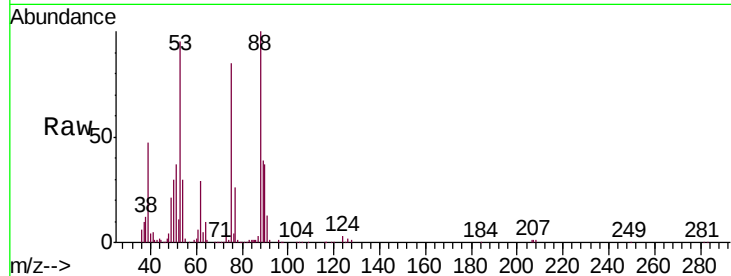




#81
trans-1,4-Dichloro-2-butene
Concen: 47.713 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW008644.D
Acq: 13 Feb 2019 16:55

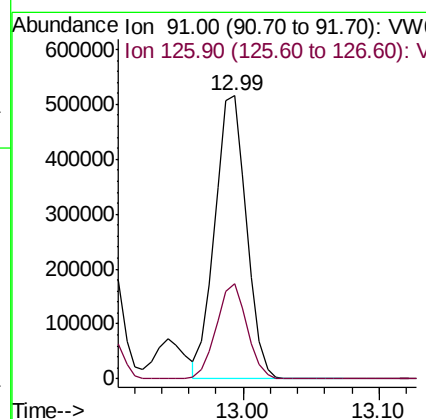
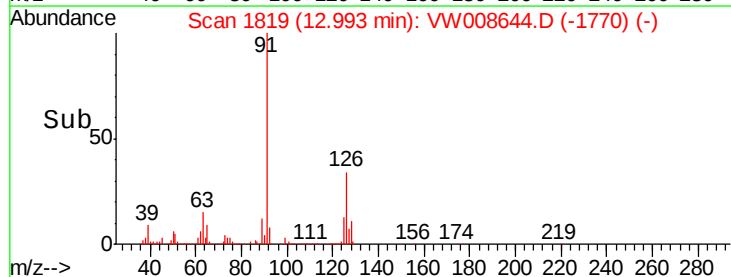
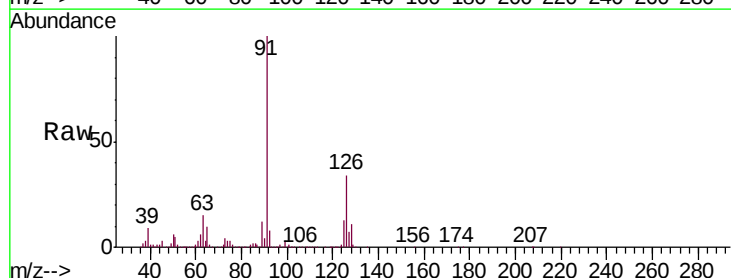
Instrument :
MSVOA_W
ClientSampleId :
ICVW021319

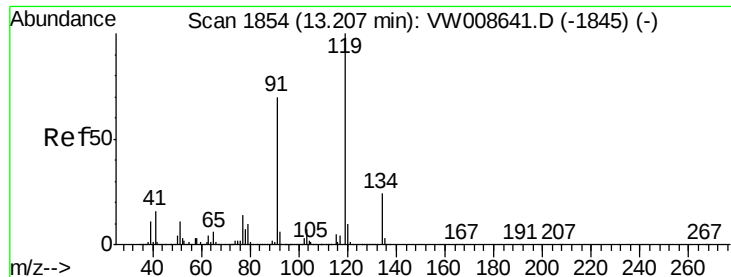
Tgt Ion: 75 Resp: 64920
Ion Ratio Lower Upper
75 100
53 106.7 87.4 131.0
89 46.6 37.0 55.4



#82
4-Chlorotoluene
Concen: 51.052 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW008644.D
Acq: 13 Feb 2019 16:55

Tgt Ion: 91 Resp: 824282
Ion Ratio Lower Upper
91 100
126 33.0 16.9 50.7





#83

tert-Butylbenzene

Concen: 51.094 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

Instrument :

MSVOA_W

ClientSampleId :

ICVW021319

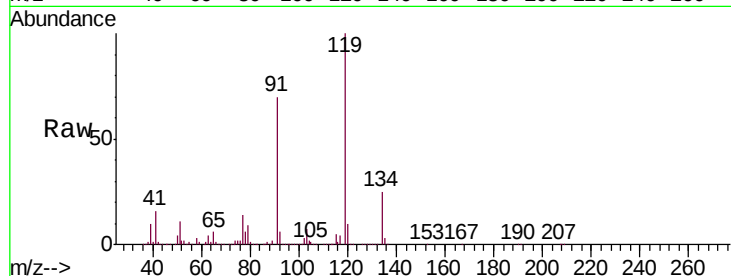
Tgt Ion:119 Resp: 836061

Ion Ratio Lower Upper

119 100

91 69.4 34.0 102.0

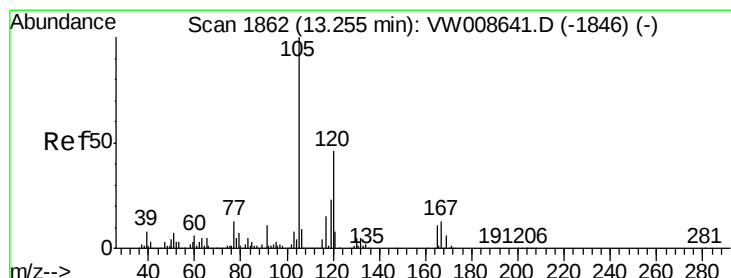
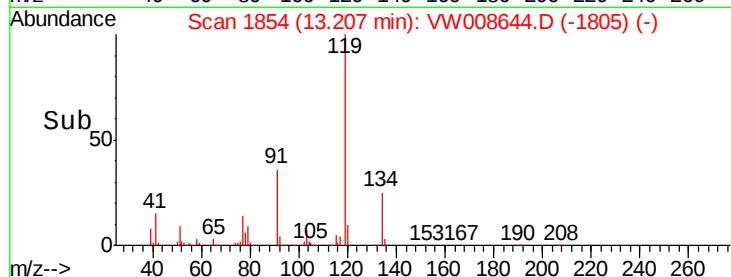
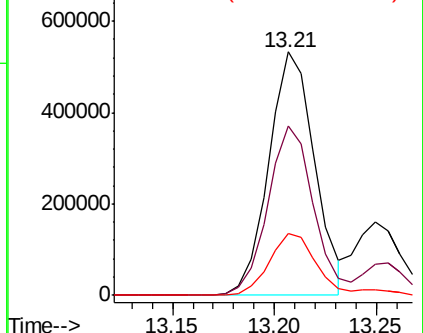
134 25.5 13.6 40.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VW

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 51.066 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW008644.D

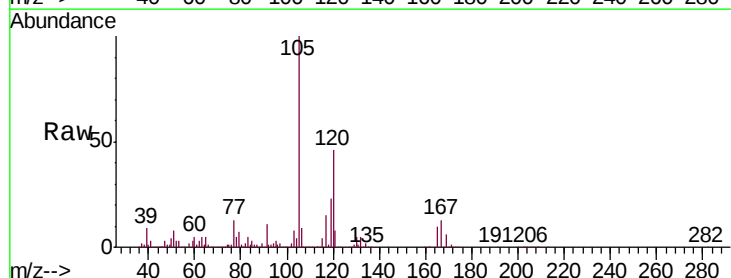
Acq: 13 Feb 2019 16:55

Tgt Ion:105 Resp: 989073

Ion Ratio Lower Upper

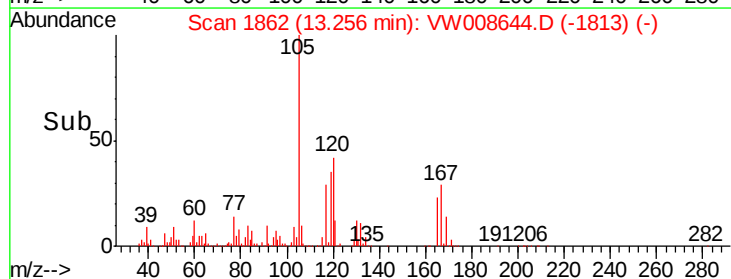
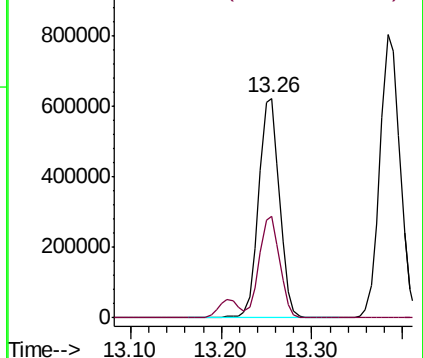
105 100

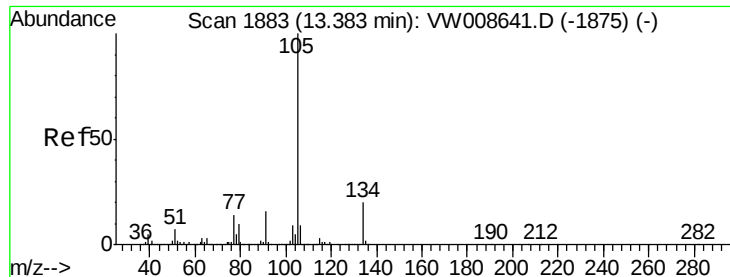
120 45.5 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

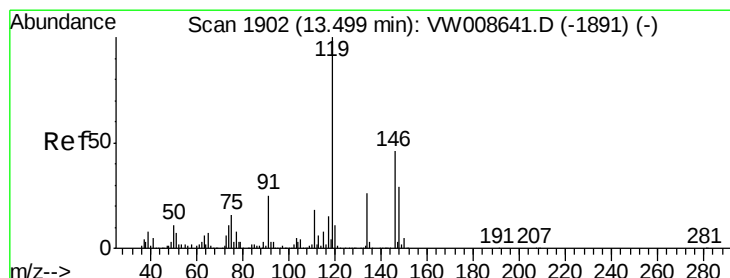
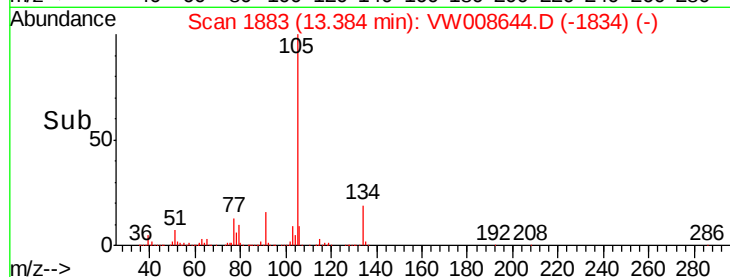
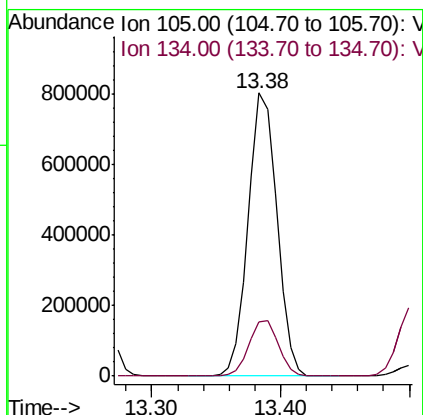
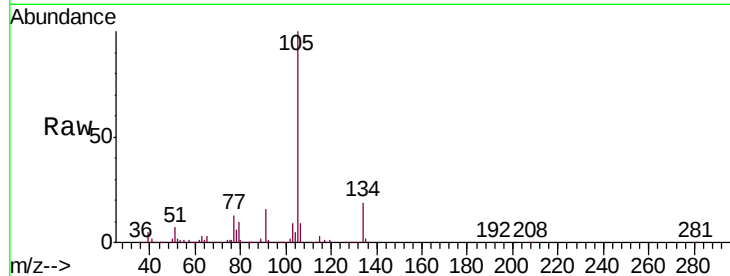




#85
 sec-Butylbenzene
 Concen: 51.852 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW008644.D
 Acq: 13 Feb 2019 16:55

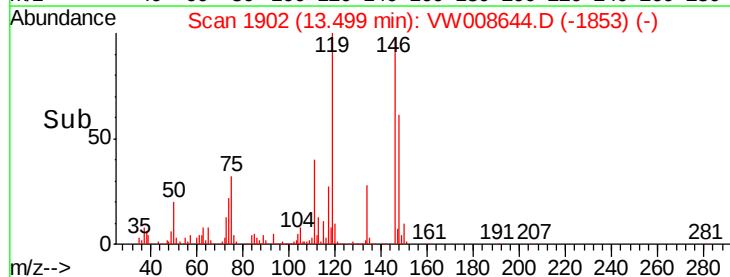
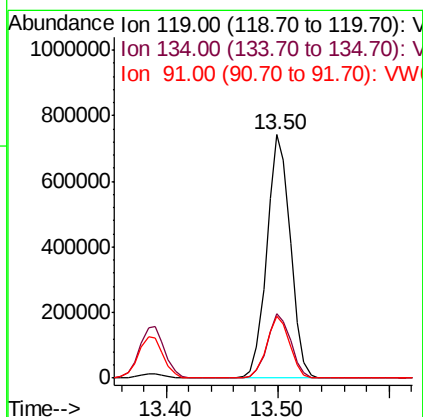
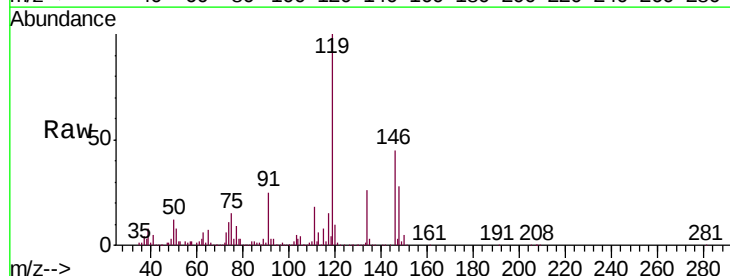
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW021319

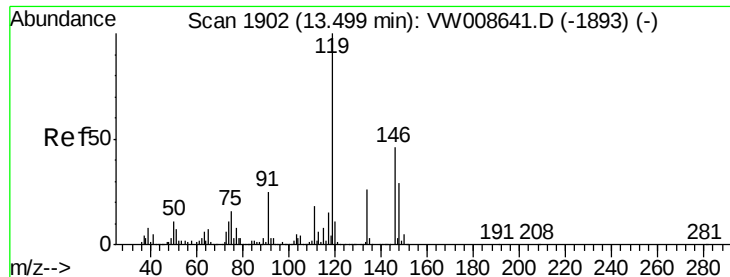
Tgt Ion:105 Resp: 1235419
 Ion Ratio Lower Upper
 105 100
 134 20.1 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 51.400 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW008644.D
 Acq: 13 Feb 2019 16:55

Tgt Ion:119 Resp: 1095573
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.0 39.0
 91 24.8 12.3 36.9

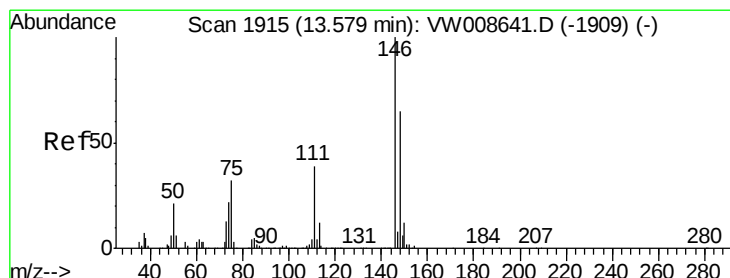
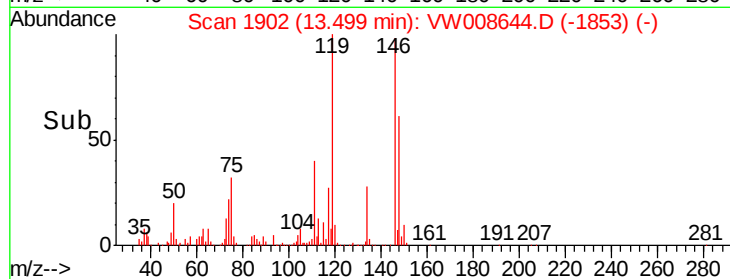
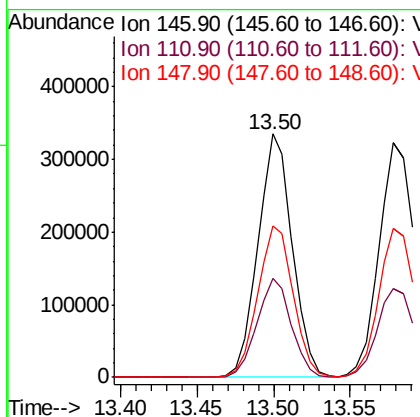
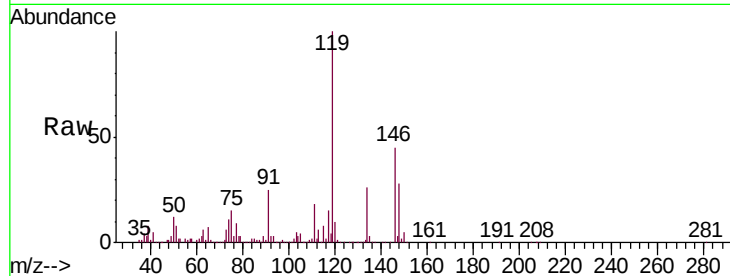




#87
 1,3-Dichlorobenzene
 Concen: 49.693 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW008644.D
 Acq: 13 Feb 2019 16:55

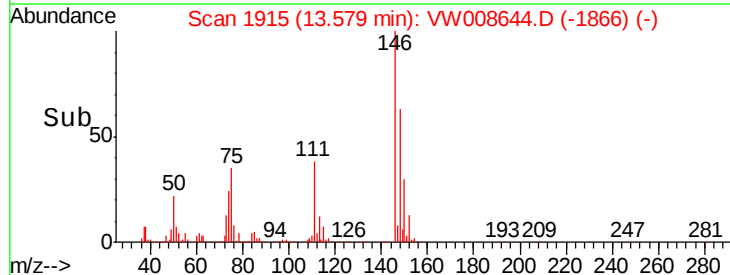
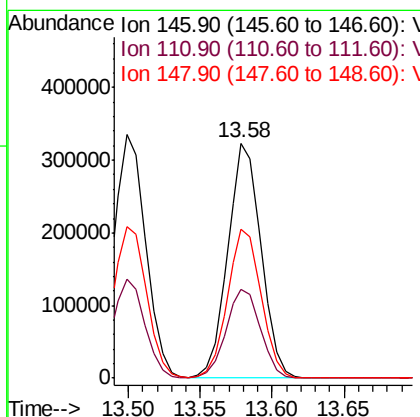
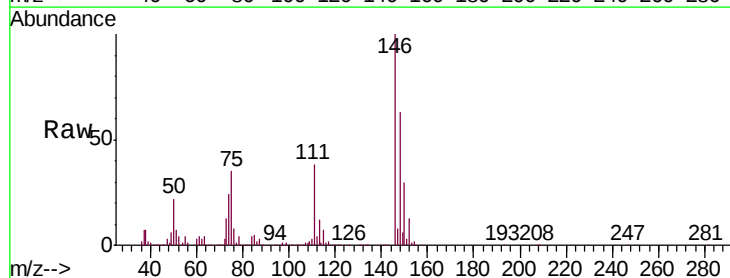
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW021319

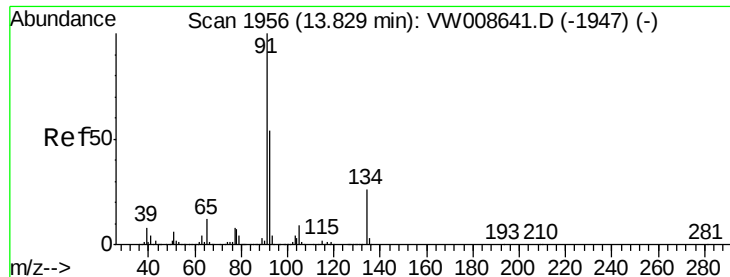
Tgt Ion:146 Resp: 525364
 Ion Ratio Lower Upper
 146 100
 111 40.3 19.4 58.1
 148 64.0 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 50.007 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW008644.D
 Acq: 13 Feb 2019 16:55

Tgt Ion:146 Resp: 521047
 Ion Ratio Lower Upper
 146 100
 111 39.2 19.4 58.1
 148 64.1 31.8 95.4





#89

n-Butylbenzene

Concen: 52.054 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

Instrument :

MSVOA_W

ClientSampleId :

ICVW021319

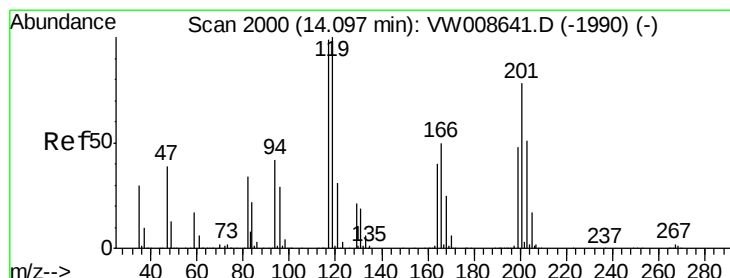
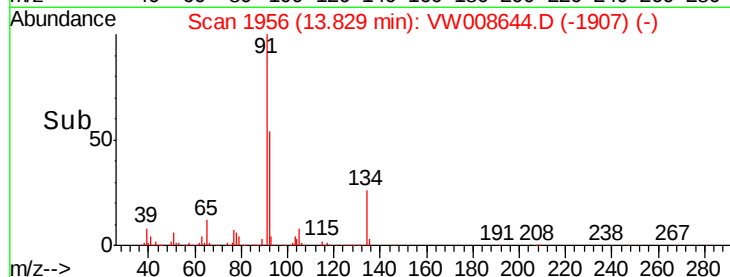
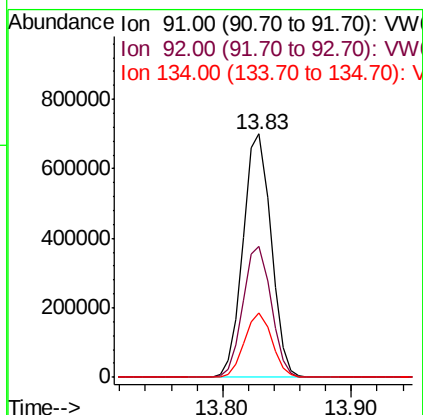
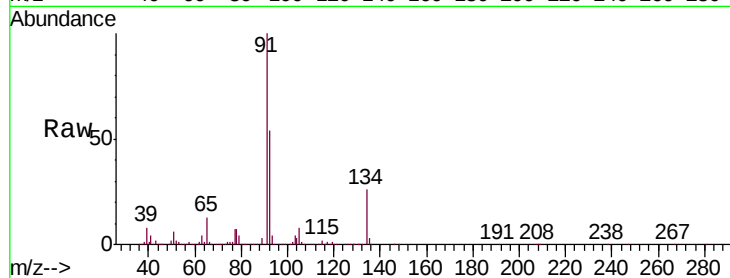
Tgt Ion: 91 Resp: 1054357

Ion Ratio Lower Upper

91 100

92 54.1 26.8 80.4

134 26.0 13.0 39.0



#90

Hexachloroethane

Concen: 52.507 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW008644.D

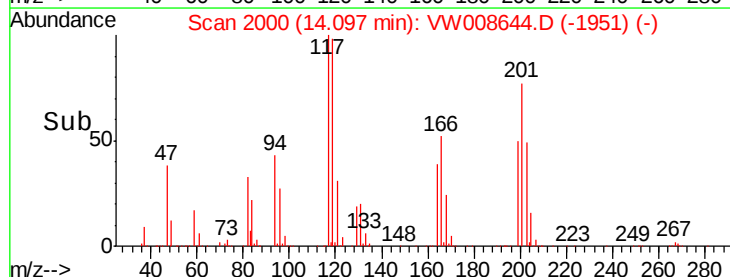
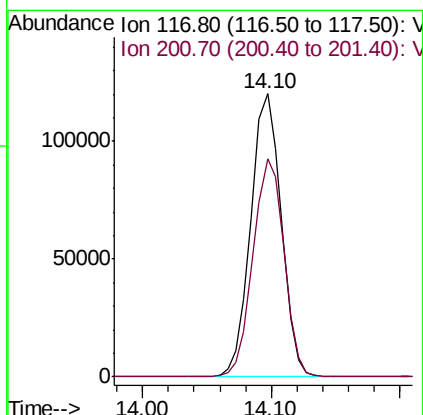
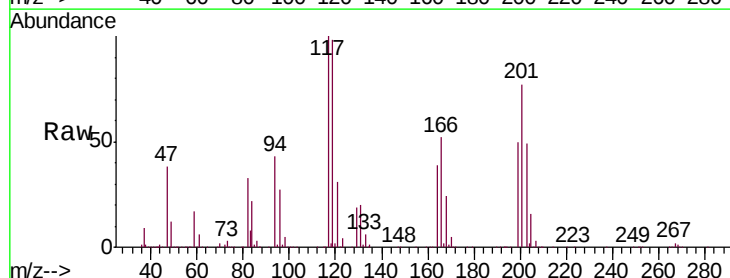
Acq: 13 Feb 2019 16:55

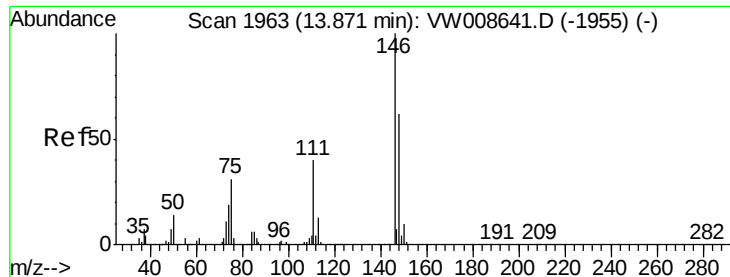
Tgt Ion: 117 Resp: 195529

Ion Ratio Lower Upper

117 100

201 78.6 38.7 116.1





#91

1,2-Dichlorobenzene

Concen: 49.692 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

Instrument :

MSVOA_W

ClientSampleId :

ICVW021319

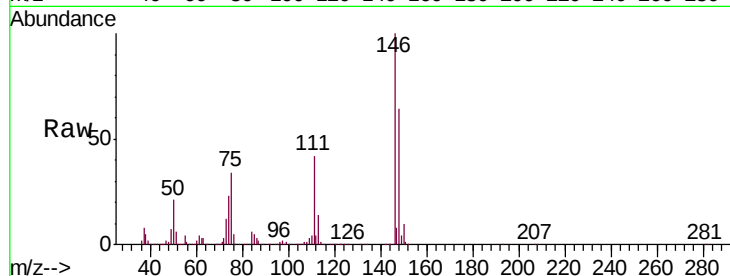
Tgt Ion:146 Resp: 465457

Ion Ratio Lower Upper

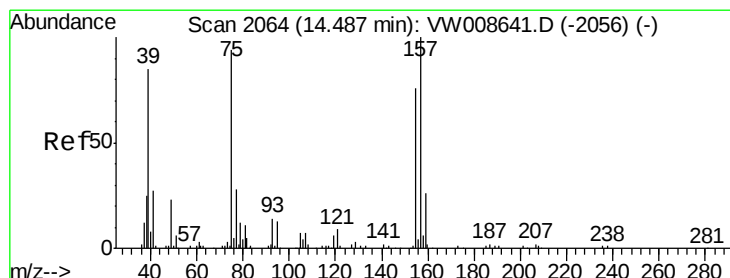
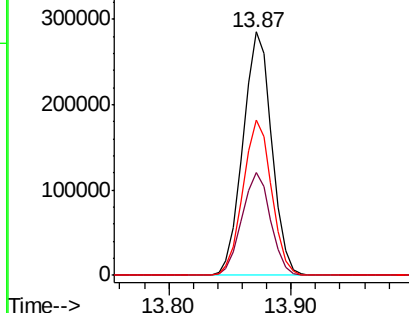
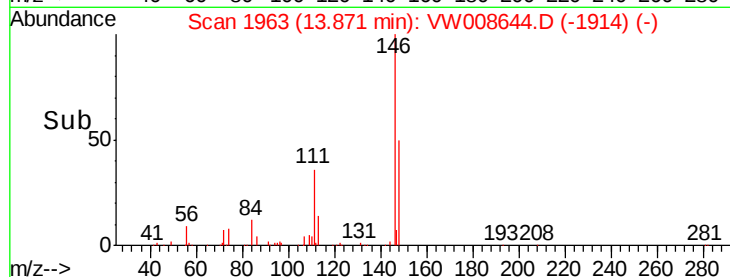
146 100

111 41.8 20.5 61.5

148 63.4 31.6 94.8



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: 51.653 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

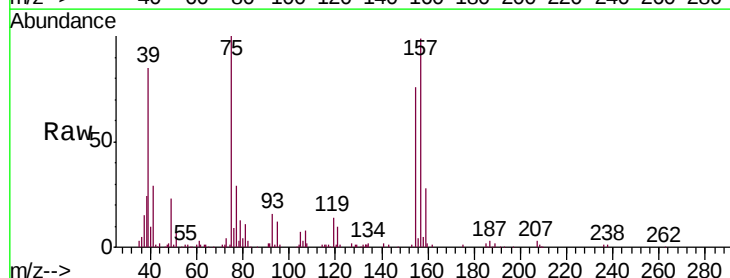
Tgt Ion: 75 Resp: 35431

Ion Ratio Lower Upper

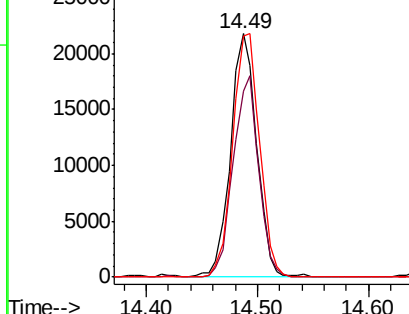
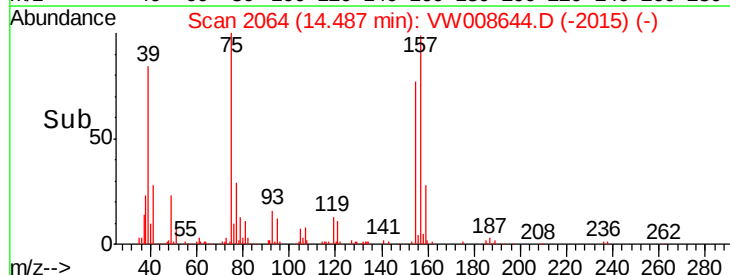
75 100

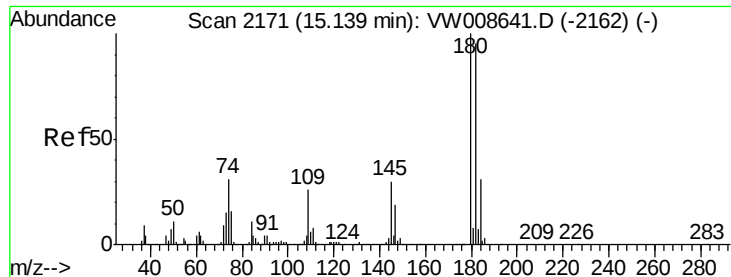
155 80.6 41.8 125.4

157 102.4 53.8 161.4



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

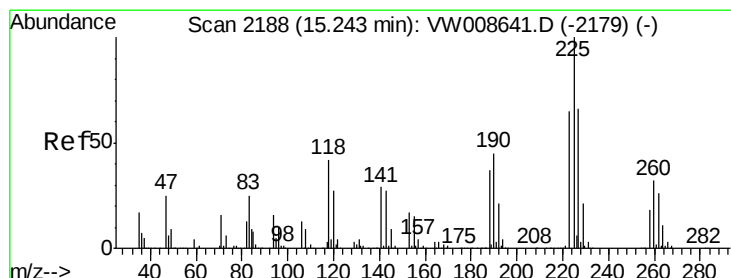
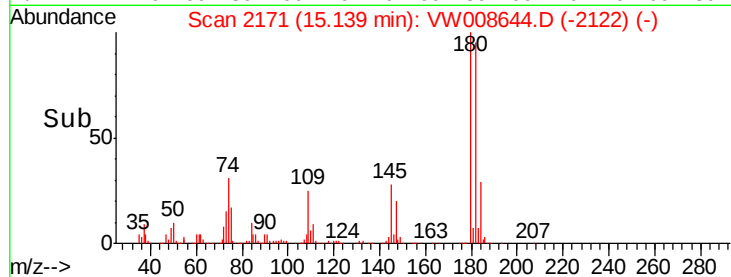
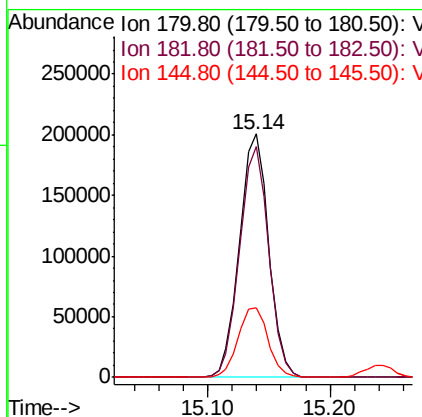
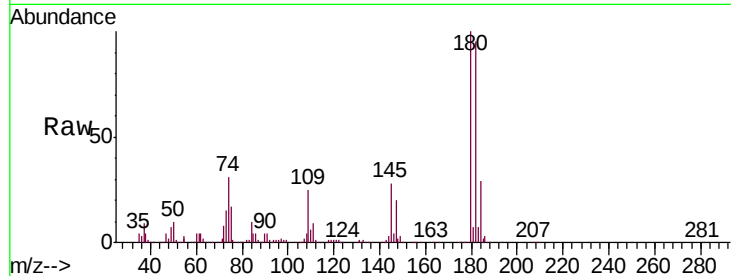




#93
 1,2,4-Trichlorobenzene
 Concen: 49.706 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008644.D
 Acq: 13 Feb 2019 16:55

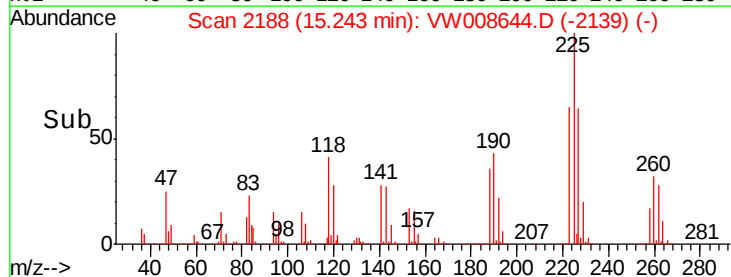
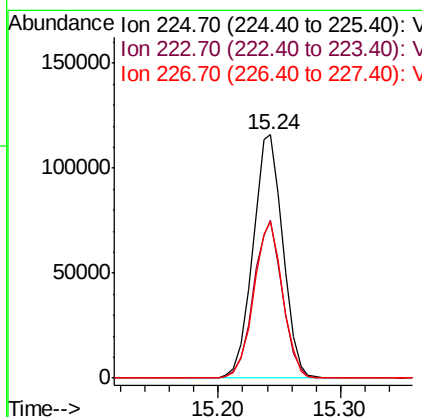
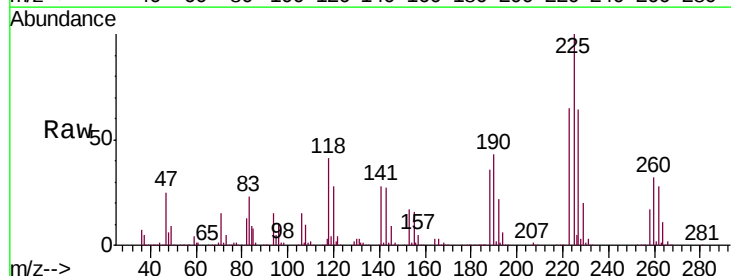
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW021319

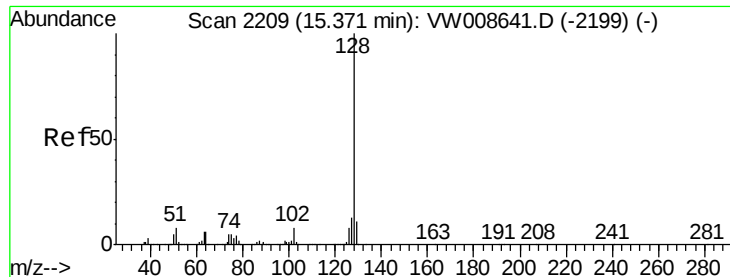
Tgt Ion:180 Resp: 331426
 Ion Ratio Lower Upper
 180 100
 182 94.4 47.5 142.5
 145 29.5 15.1 45.3



#94
 Hexachlorobutadiene
 Concen: 50.662 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008644.D
 Acq: 13 Feb 2019 16:55

Tgt Ion:225 Resp: 196632
 Ion Ratio Lower Upper
 225 100
 223 62.5 31.4 94.3
 227 62.1 32.4 97.0

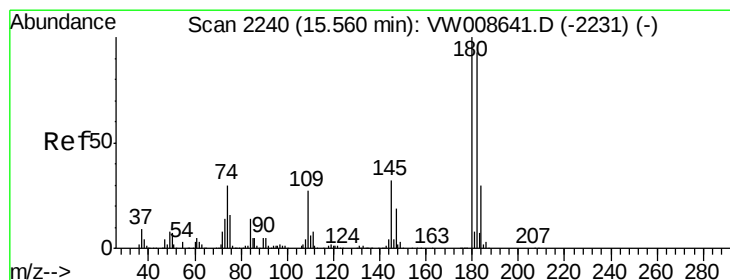
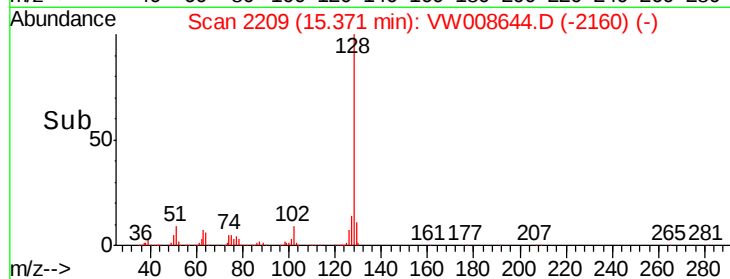
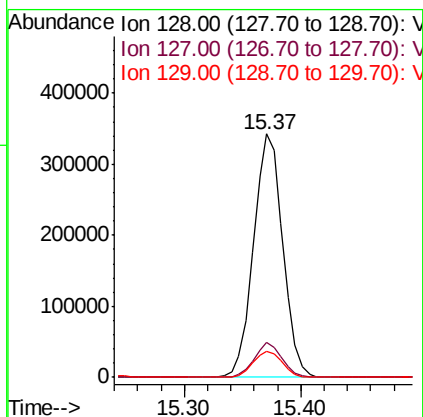
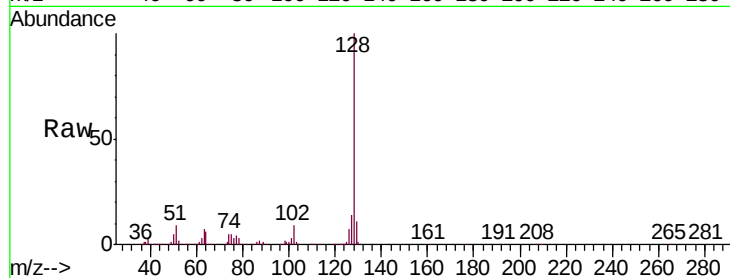




#95
Naphthalene
Concen: 50.194 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008644.D
Acq: 13 Feb 2019 16:55

Instrument :
MSVOA_W
ClientSampleId :
ICVW021319

Tgt Ion:128 Resp: 599774
Ion Ratio Lower Upper
128 100
127 13.3 10.9 16.3
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 49.557 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW008644.D
Acq: 13 Feb 2019 16:55

Tgt Ion:180 Resp: 283547
Ion Ratio Lower Upper
180 100
182 94.1 47.5 142.5
145 31.6 15.9 47.7

