

Data File : VW008641.D
Acq On : 13 Feb 2019 15:37
Operator : SY/VA
Sample : VSTDICCC050
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Quant Time: Feb 14 03:47:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
Quant Title : SW846 8260
QLast Update : Thu Feb 14 03:43:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	415086	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	633246	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	571992	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	302339	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	247528	57.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.72%	
35) Dibromofluoromethane	7.88	113	220420	56.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.12%	
50) Toluene-d8	10.32	98	862296	56.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.78%	
62) 4-Bromofluorobenzene	12.62	95	326191	57.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	133251	50.121	ug/l	100
3) Chloromethane	2.21	50	191084	49.858	ug/l	100
4) Vinyl Chloride	2.36	62	252087	50.073	ug/l	100
5) Bromomethane	2.78	94	201794	50.656	ug/l	100
6) Chloroethane	2.92	64	190440	50.838	ug/l	100
7) Trichlorofluoromethane	3.25	101	207715	52.974	ug/l	100
8) Diethyl Ether	3.67	74	119721	51.166	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.05	101	213996	51.644	ug/l	100
10) Methyl Iodide	4.26	142	340600	52.664	ug/l	100
11) Tert butyl alcohol	5.18	59	89100	263.024	ug/l	100
12) 1,1-Dichloroethene	4.03	96	208654	51.490	ug/l	100
13) Acrolein	3.89	56	86292	242.577	ug/l	100
14) Allyl chloride	4.66	41	360339	53.521	ug/l	100
15) Acrylonitrile	5.36	53	264094	268.150	ug/l	100
16) Acetone	4.12	43	261563	267.280	ug/l	100
17) Carbon Disulfide	4.37	76	639158	52.265	ug/l	100
18) Methyl Acetate	4.67	43	116413	51.879	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	379483	53.345	ug/l	100
20) Methylene Chloride	4.90	84	219649	39.087	ug/l	100
21) trans-1,2-Dichloroethene	5.42	96	232339	52.354	ug/l	100
22) Diisopropyl ether	6.31	45	712767	52.600	ug/l	100
23) Vinyl Acetate	6.25	43	2373155	269.842	ug/l	100
24) 1,1-Dichloroethane	6.21	63	411398	52.613	ug/l	100
25) 2-Butanone	7.17	43	374332	269.959	ug/l	100
26) 2,2-Dichloropropane	7.16	77	252652	51.722	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	251571	52.424	ug/l	100
28) Bromochloromethane	7.51	49	162558	49.247	ug/l	100
29) Tetrahydrofuran	7.52	42	243617	266.555	ug/l	100
30) Chloroform	7.67	83	412134	52.602	ug/l	100
31) Cyclohexane	7.95	56	390573	49.488	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	347598	52.531	ug/l	100
36) 1,1-Dichloropropene	8.08	75	335868	52.792	ug/l	100
37) Ethyl Acetate	7.24	43	168213	54.811	ug/l	100
38) Carbon Tetrachloride	8.06	117	336186	53.141	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	420827	52.296	ug/l	100
40) Benzene	8.32	78	905679	52.124	ug/l	100
41) Methacrylonitrile	7.48	41	101127	58.566	ug/l	100
42) 1,2-Dichloroethane	8.40	62	286009	53.067	ug/l	100
43) Isopropyl Acetate	8.42	43	335439	54.814	ug/l	100
44) Trichloroethene	9.09	130	252773	52.468	ug/l	100
45) 1,2-Dichloropropane	9.37	63	226256	52.616	ug/l	100
46) Dibromomethane	9.46	93	127018	53.622	ug/l	100
47) Bromodichloromethane	9.64	83	307006	53.928	ug/l	100
48) Methyl methacrylate	9.43	41	157776	55.633	ug/l	100
49) 1,4-Dioxane	9.45	88	40261	1064.792	ug/l	100
51) 4-Methyl-2-Pentanone	10.21	43	850158	270.446	ug/l	100
52) Toluene	10.38	92	589263	52.569	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	323624	54.113	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	368592	54.368	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	174141	53.578	ug/l	100
56) Ethyl methacrylate	10.65	69	235496	54.565	ug/l	100
57) 1,3-Dichloropropane	10.93	76	305614	52.996	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	542874	262.214	ug/l	100
59) 2-Hexanone	10.97	43	600318	271.842	ug/l	100
60) Dibromochloromethane	11.13	129	213140	54.806	ug/l	100
61) 1,2-Dibromoethane	11.23	107	172464	53.892	ug/l	100
64) Tetrachloroethene	10.86	164	214579	50.447	ug/l	100
65) Chlorobenzene	11.66	112	637021	51.671	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	230146	52.696	ug/l	100
67) Ethyl Benzene	11.73	91	1150700	52.398	ug/l	100
68) m/p-Xylenes	11.84	106	895070	104.751	ug/l	100
69) o-Xylene	12.16	106	422665	52.330	ug/l	100
70) Styrene	12.18	104	697189	52.848	ug/l	100
71) Bromoform	12.35	173	125106	53.164	ug/l	100
73) Isopropylbenzene	12.46	105	1168380	51.880	ug/l	100
74) N-amyl acetate	12.27	43	329481	54.102	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	208550	53.225	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	284028	78.711	ug/l #	100
77) Bromobenzene	12.75	156	268411	51.849	ug/l	100
78) n-propylbenzene	12.80	91	1403507	52.451	ug/l	100
79) 2-Chlorotoluene	12.90	91	788286	52.125	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	983888	52.598	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	67111	54.949	ug/l	100
82) 4-Chlorotoluene	12.99	91	842891	52.592	ug/l	100
83) tert-Butylbenzene	13.21	119	854314	52.597	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	1010345	52.551	ug/l	100
85) sec-Butylbenzene	13.38	105	1248701	52.798	ug/l	100
86) p-Isopropyltoluene	13.50	119	1118592	52.869	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	554926	52.878	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	543780	52.576	ug/l	100
89) n-Butylbenzene	13.83	91	1068466	53.142	ug/l	100
90) Hexachloroethane	14.10	117	202725	54.843	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	489674	52.666	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	37091	54.474	ug/l	100

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	342698	51.778	ug/l	100
94) Hexachlorobutadiene	15.24	225	198657	51.564	ug/l	100
95) Naphthalene	15.37	128	641368	54.074	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	296108	52.136	ug/l	100

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

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Sample : VSTDICCC050

Misc : 5.00G/5ML/MSVOA W/SOIL

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ALS Vial      : 6      Sample Multiplier: 1
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Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

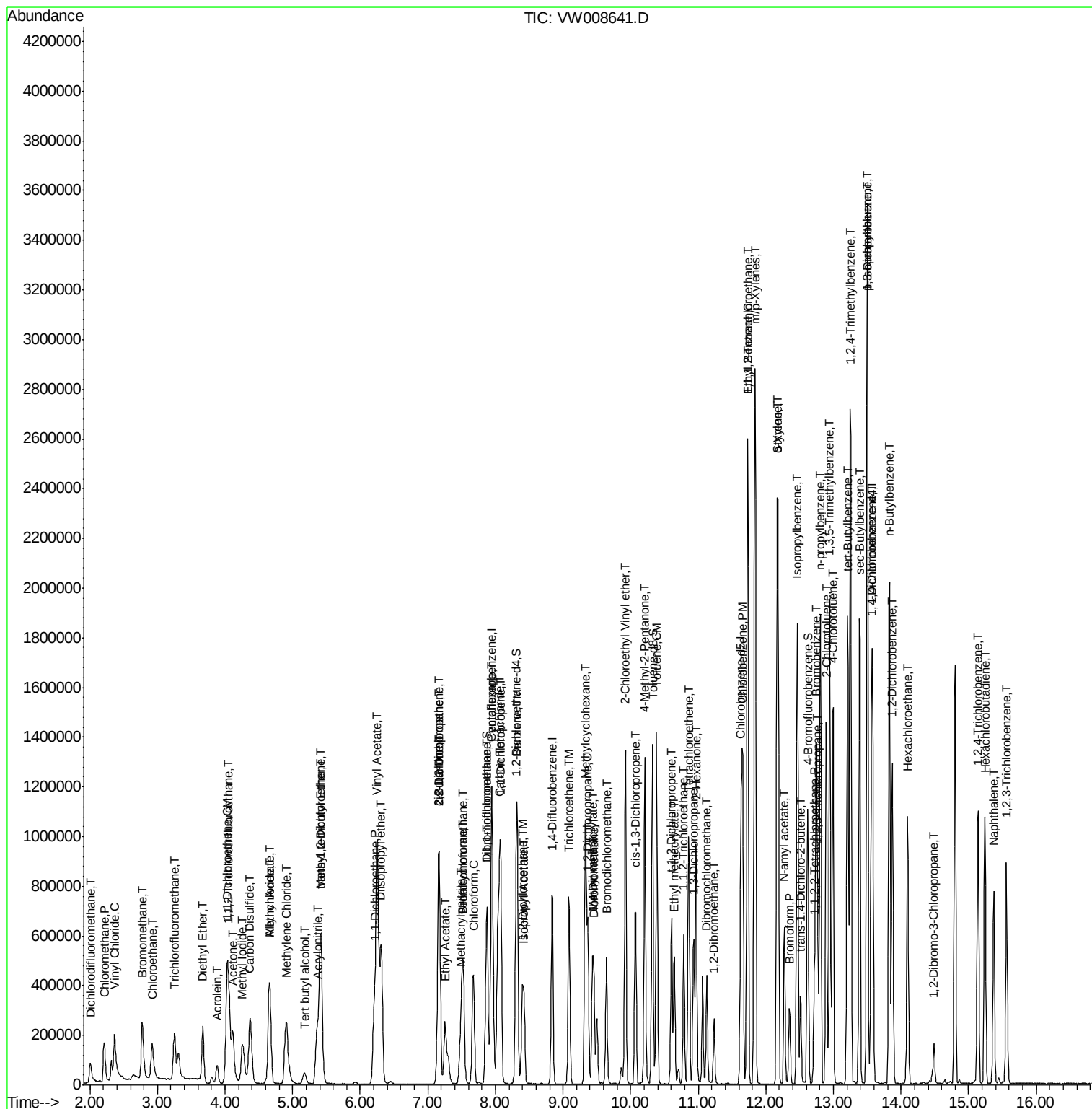
Quant Time: Feb 14 03:47:51 2019

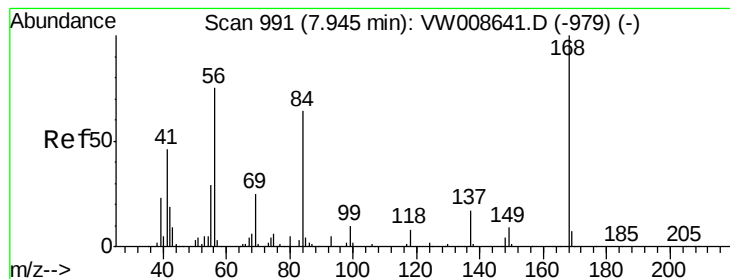
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_W\METHOD\82W021319S.M

Quant Title : SW846 8260

QLast Update : Thu Feb 14 03:43:11 2019

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008641.D

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Instrument :

MSVOA_W

ClientSampleId :

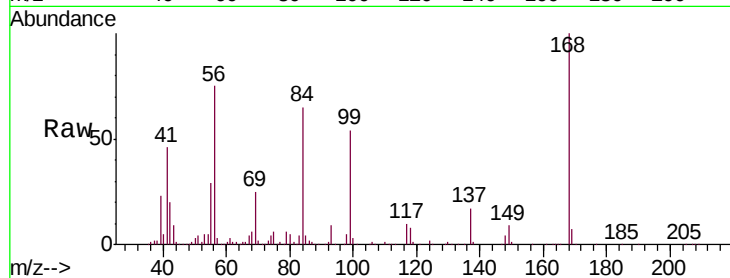
VSTDICCC050

Tgt Ion:168 Resp: 415086

Ion Ratio Lower Upper

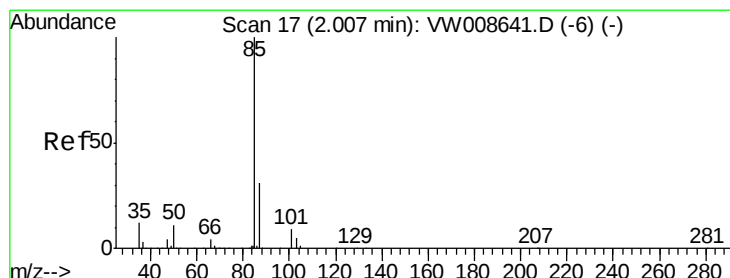
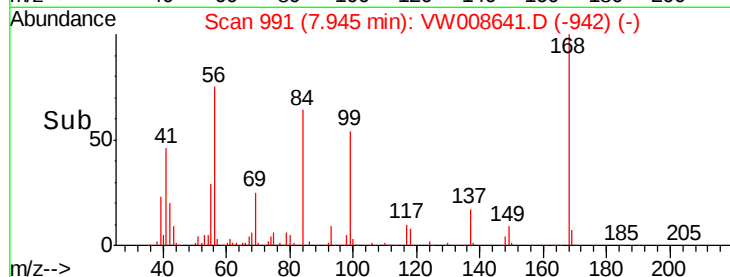
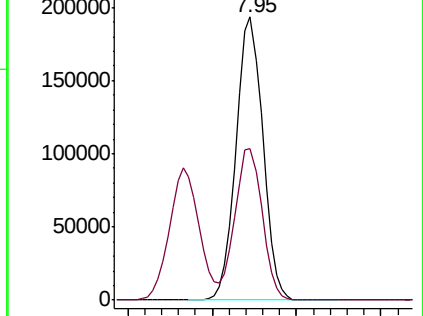
168 100

99 53.5 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 50.121 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW008641.D

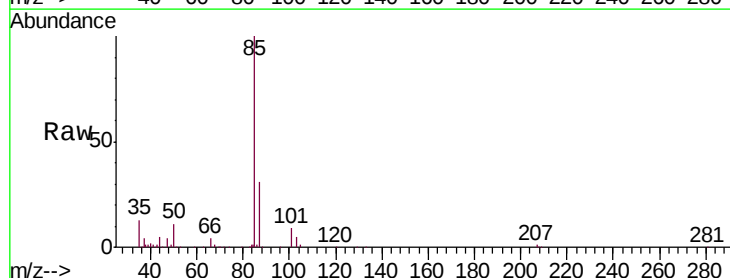
Acq: 13 Feb 2019 15:37

Tgt Ion: 85 Resp: 133251

Ion Ratio Lower Upper

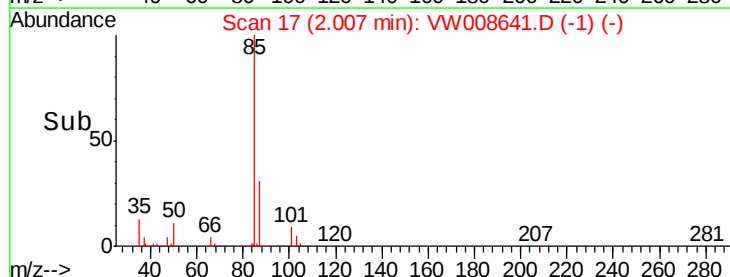
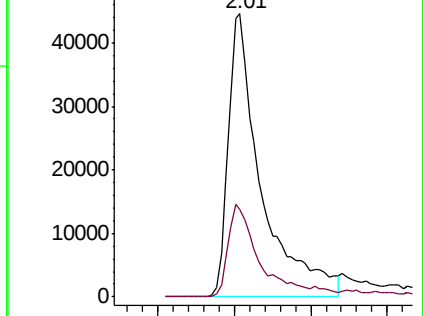
85 100

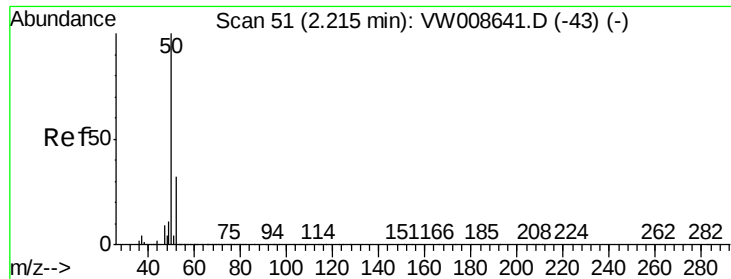
87 30.9 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 49.858 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW008641.D

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ClientSampleId :

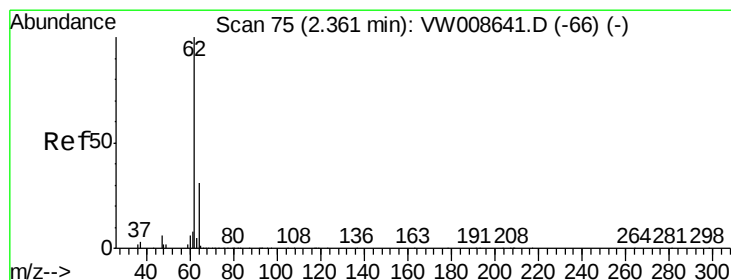
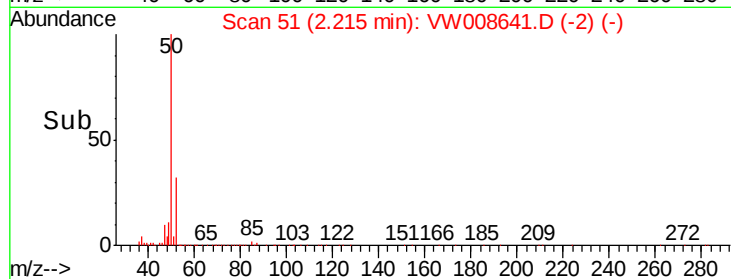
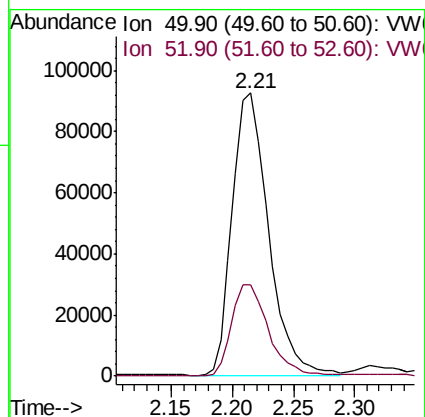
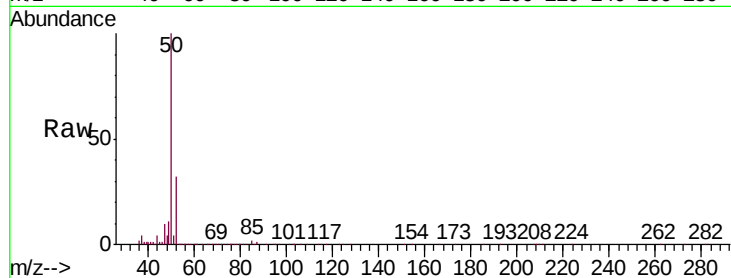
VSTDICCC050

Tgt Ion: 50 Resp: 191084

Ion Ratio Lower Upper

50 100

52 32.5 26.0 39.0



#4

Vinyl Chloride

Concen: 50.073 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW008641.D

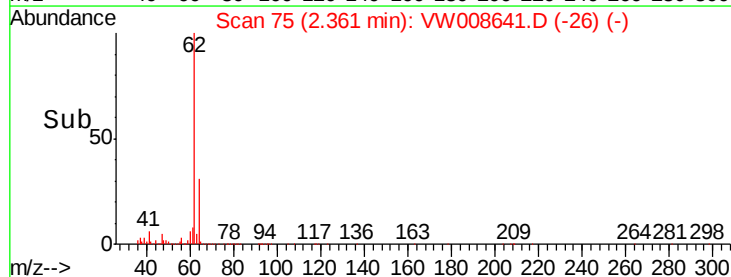
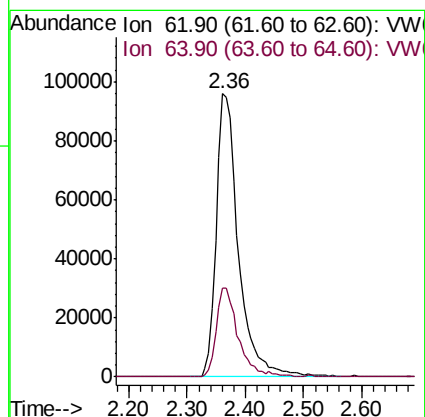
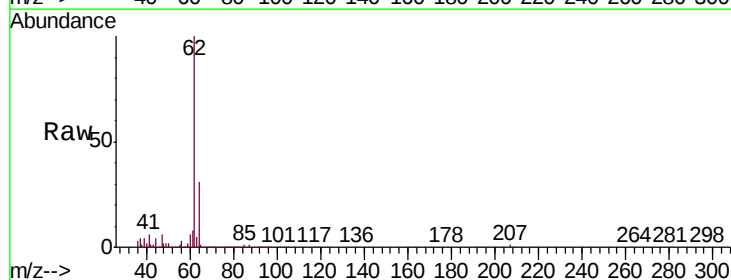
Acq: 13 Feb 2019 15:37

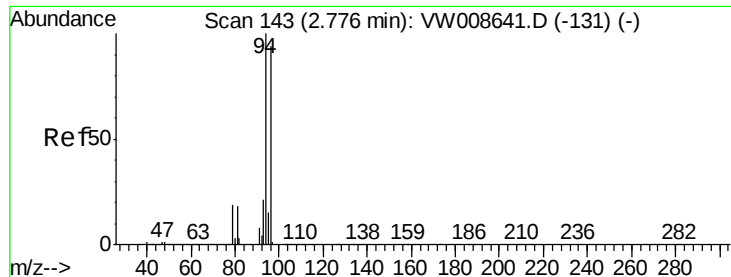
Tgt Ion: 62 Resp: 252087

Ion Ratio Lower Upper

62 100

64 31.4 25.1 37.7





#5

Bromomethane

Concen: 50.656 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW008641.D

Acq: 13 Feb 2019 15:37

Instrument :

MSVOA_W

ClientSampleId :

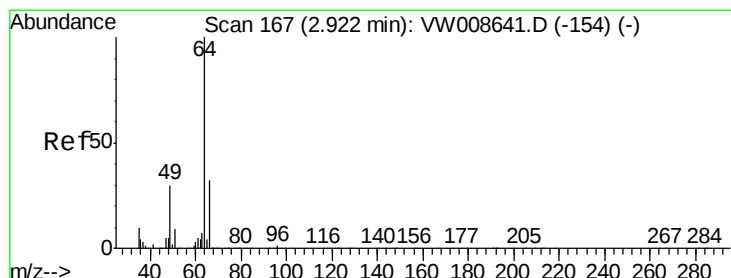
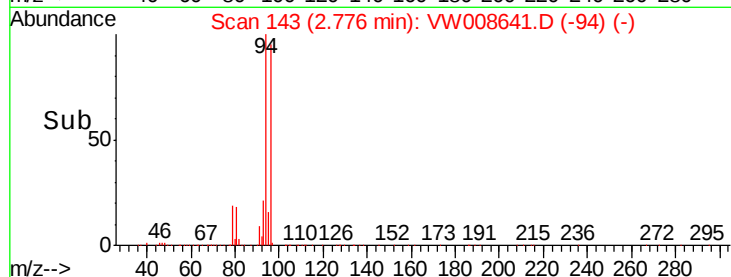
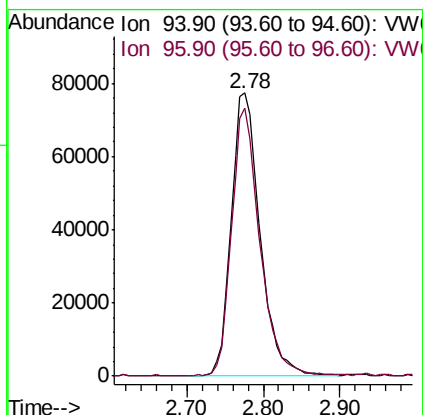
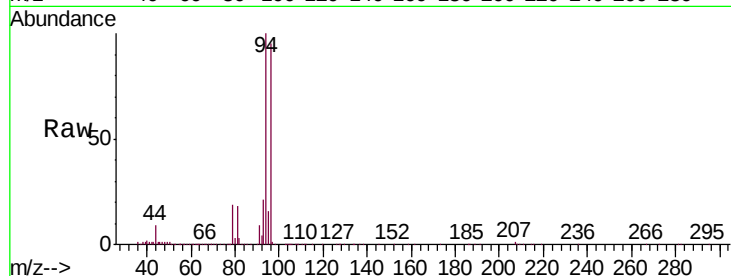
VSTDICCC050

Tgt Ion: 94 Resp: 201794

Ion Ratio Lower Upper

94 100

96 94.4 75.5 113.3



#6

Chloroethane

Concen: 50.838 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW008641.D

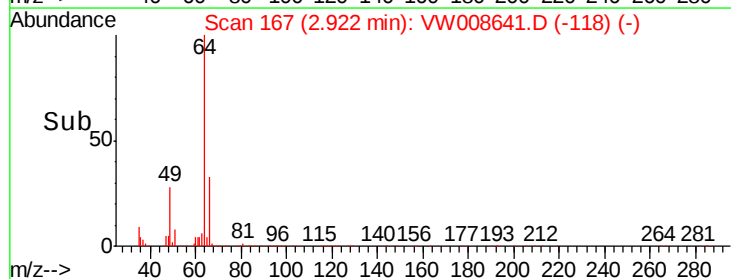
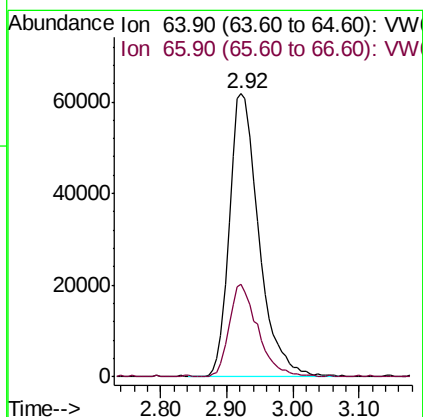
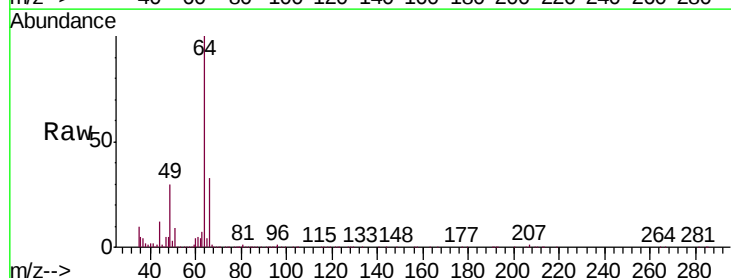
Acq: 13 Feb 2019 15:37

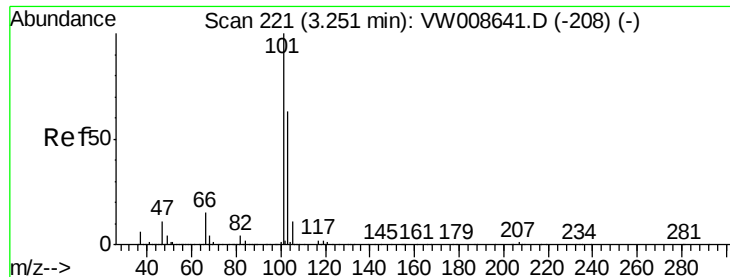
Tgt Ion: 64 Resp: 190440

Ion Ratio Lower Upper

64 100

66 32.8 26.2 39.4



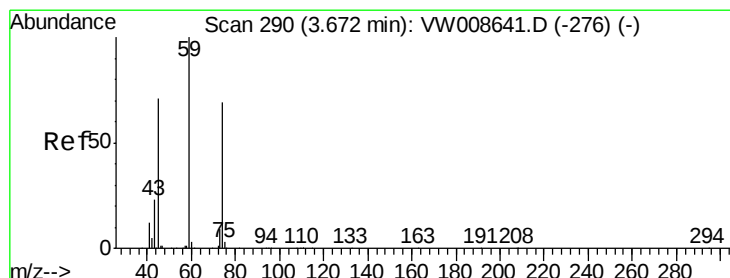
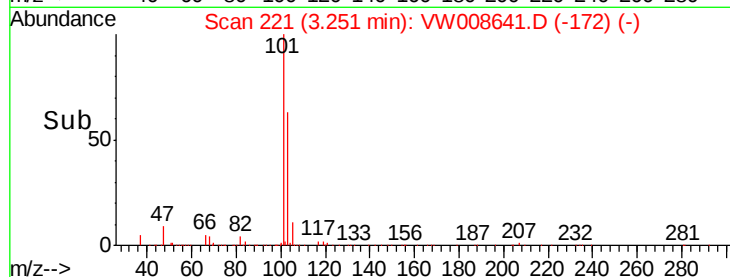
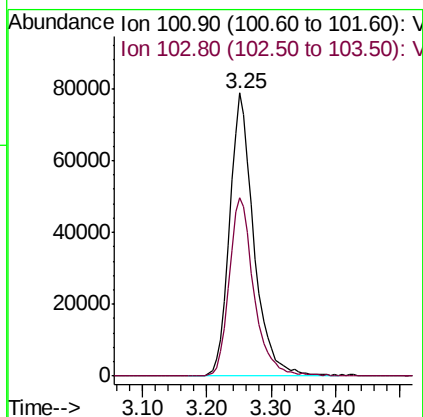
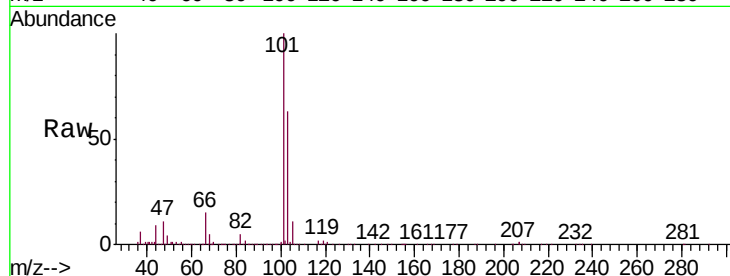


#7

Trichlorofluoromethane
Concen: 52.974 ug/l
RT: 3.25 min Scan# 221
Delta R.T. 0.00 min
Lab File: VW008641.D
Acq: 13 Feb 2019 15:37

Instrument :
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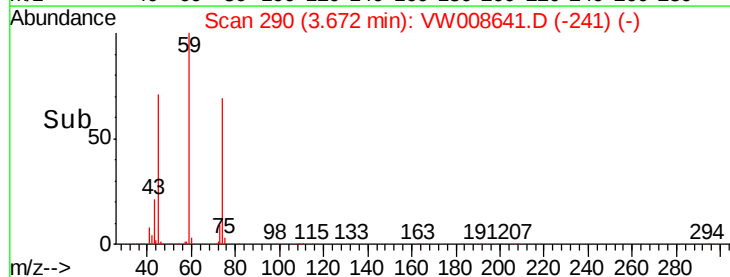
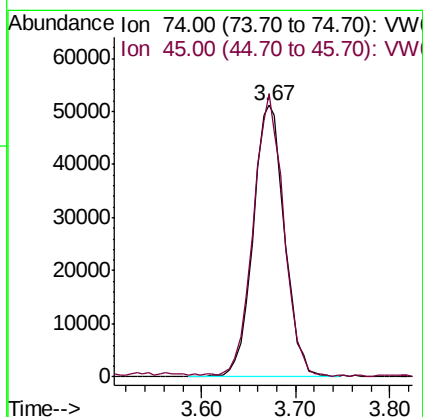
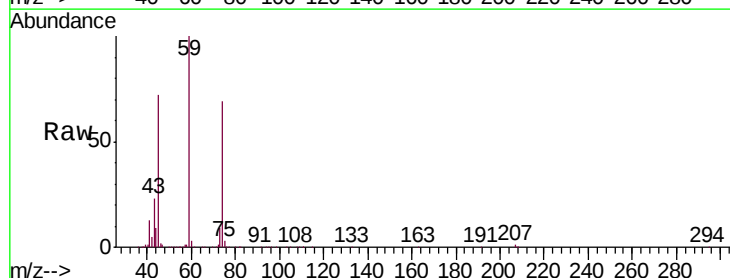
Tgt Ion:101 Resp: 207715
Ion Ratio Lower Upper
101 100
103 63.1 50.5 75.7

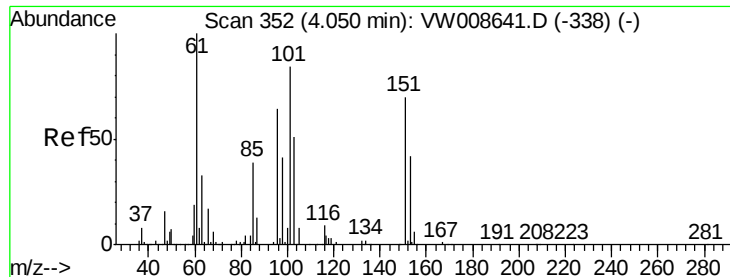


#8

Diethyl Ether
Concen: 51.166 ug/l
RT: 3.67 min Scan# 290
Delta R.T. 0.00 min
Lab File: VW008641.D
Acq: 13 Feb 2019 15:37

Tgt Ion: 74 Resp: 119721
Ion Ratio Lower Upper
74 100
45 100.4 50.2 150.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.644 ug/l

RT: 4.05 min Scan# 352

Delta R.T. 0.00 min

Lab File: VW008641.D

Acq: 13 Feb 2019 15:37

Instrument :

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ClientSampleId :

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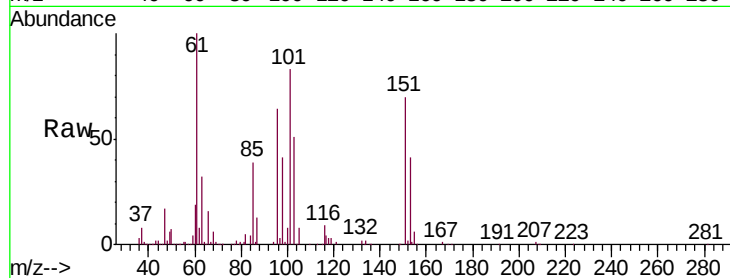
Tgt Ion:101 Resp: 213996

Ion Ratio Lower Upper

101 100

85 42.9 34.3 51.5

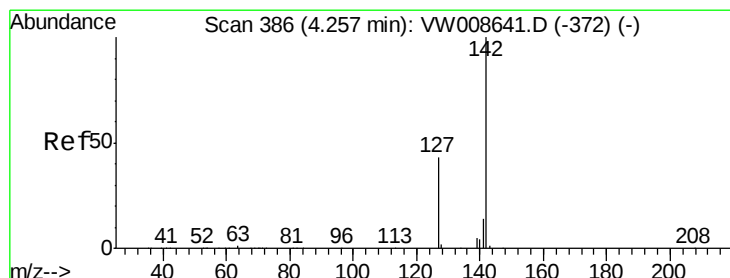
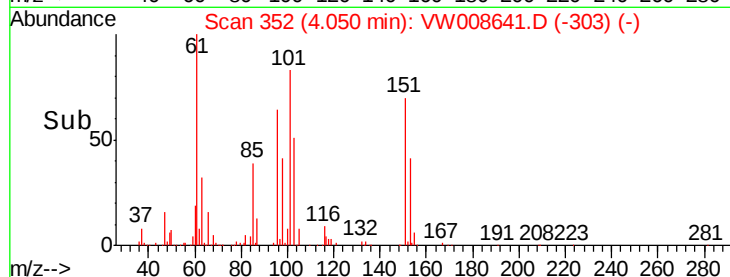
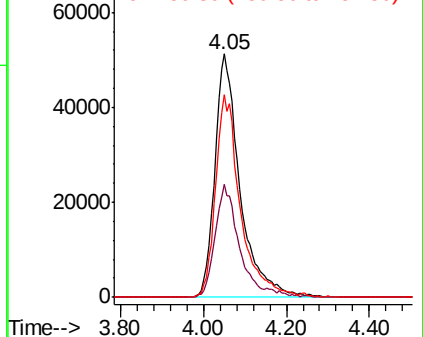
151 82.0 65.6 98.4



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: 52.664 ug/l

RT: 4.26 min Scan# 386

Delta R.T. 0.00 min

Lab File: VW008641.D

Acq: 13 Feb 2019 15:37

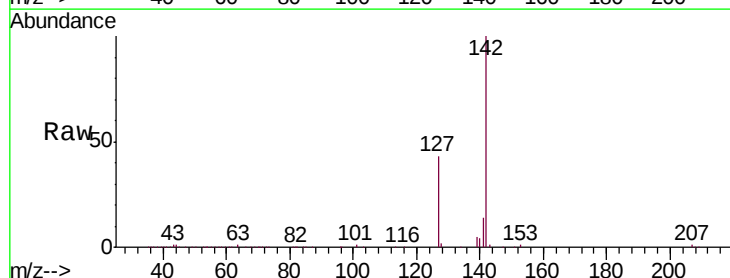
Tgt Ion:142 Resp: 340600

Ion Ratio Lower Upper

142 100

127 43.5 34.8 52.2

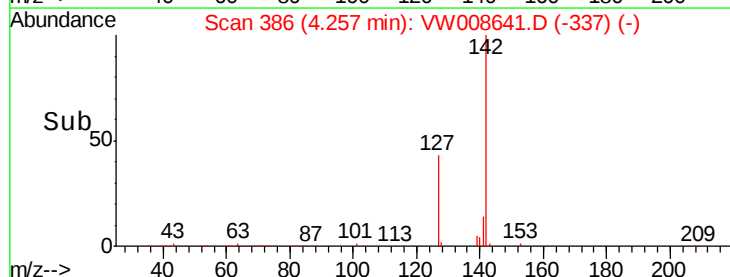
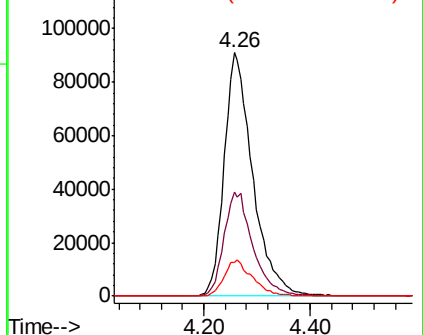
141 14.8 11.8 17.8

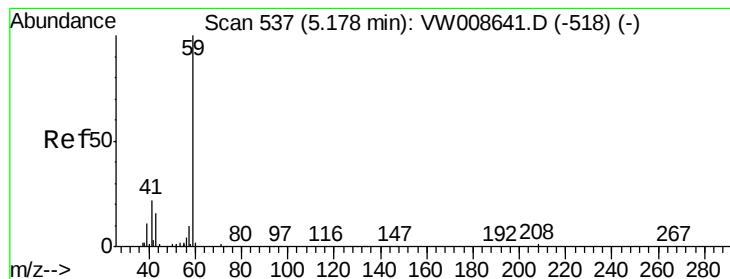


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



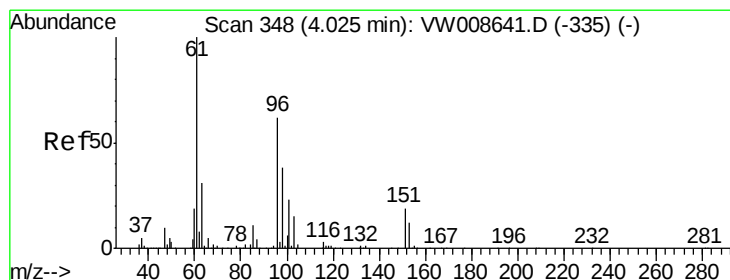
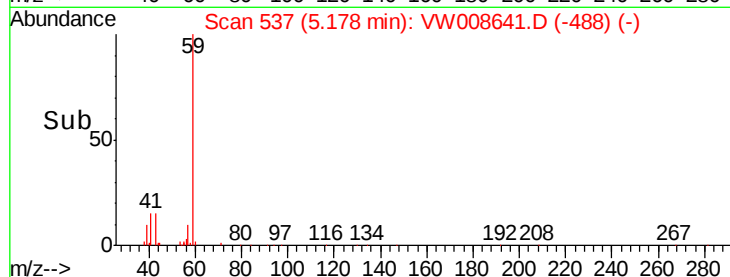
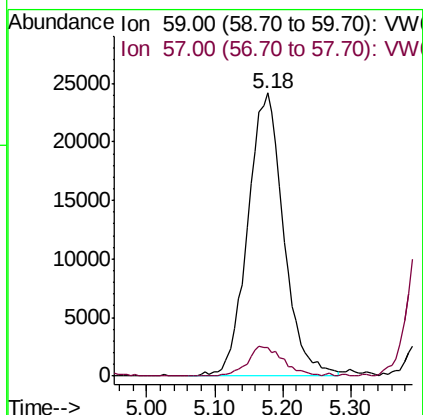
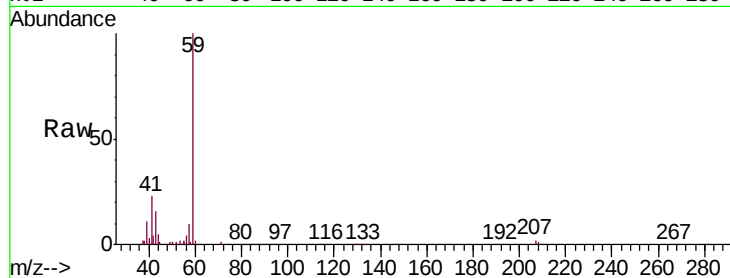


#11

Tert butyl alcohol
 Concen: 263.024 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.00 min
 Lab File: VW008641.D
 Acq: 13 Feb 2019 15:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

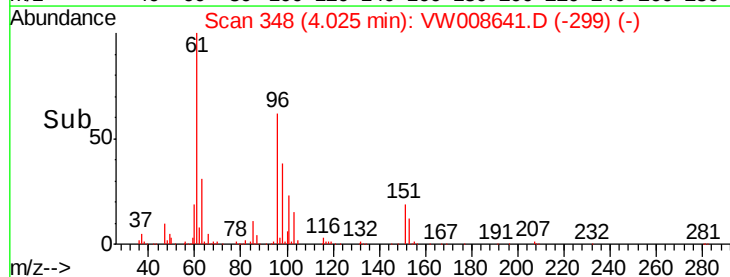
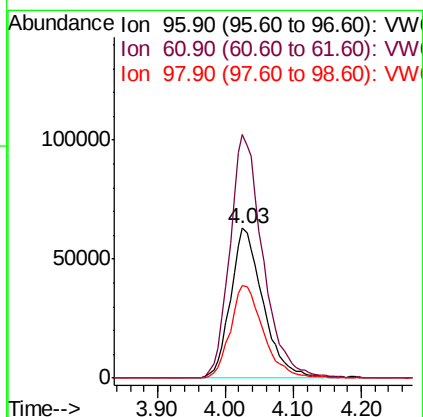
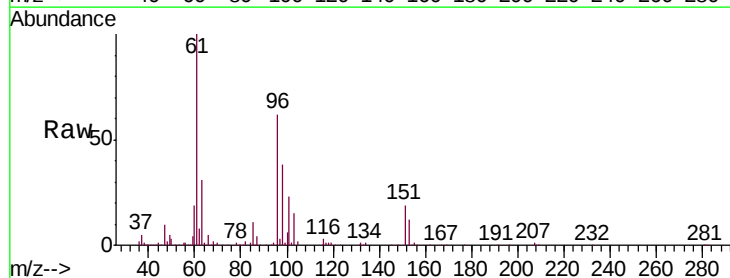
Tgt Ion: 59 Resp: 89100
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.3 12.5

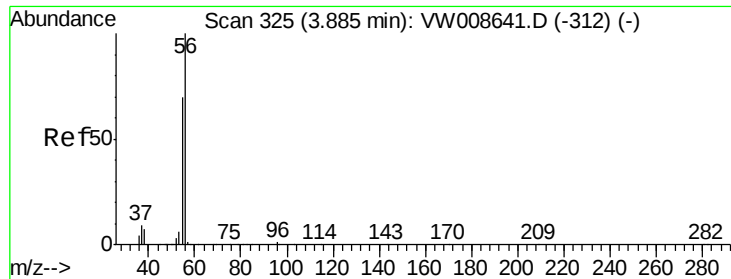


#12

1,1-Dichloroethene
 Concen: 51.490 ug/l
 RT: 4.03 min Scan# 348
 Delta R.T. 0.00 min
 Lab File: VW008641.D
 Acq: 13 Feb 2019 15:37

Tgt Ion: 96 Resp: 208654
 Ion Ratio Lower Upper
 96 100
 61 162.2 129.8 194.6
 98 61.6 49.3 73.9

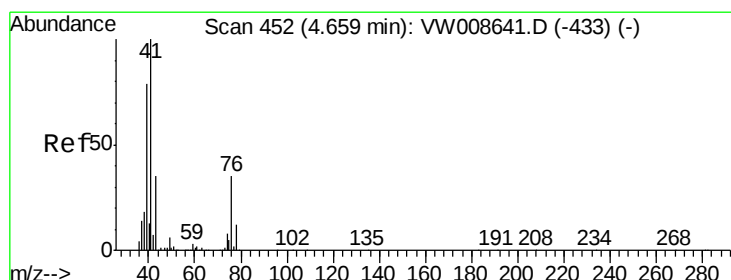
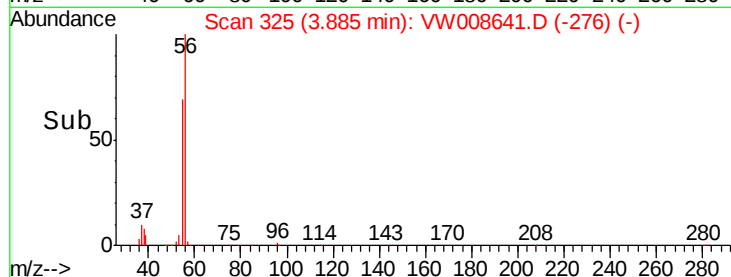
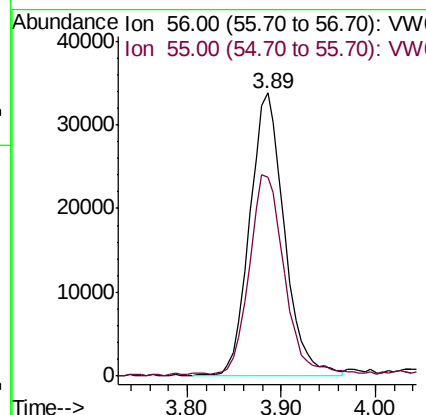
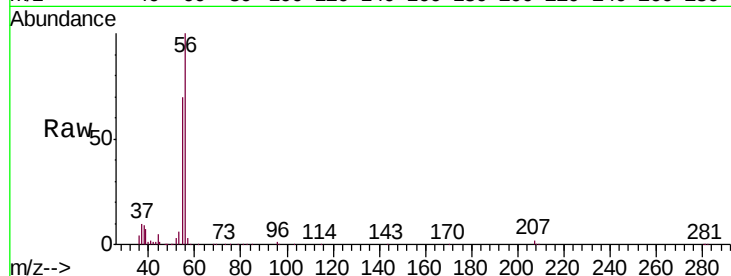




#13
Acrolein
Concen: 242.577 ug/l
RT: 3.89 min Scan# 325
Delta R.T. 0.00 min
Lab File: VW008641.D
Acq: 13 Feb 2019 15:37

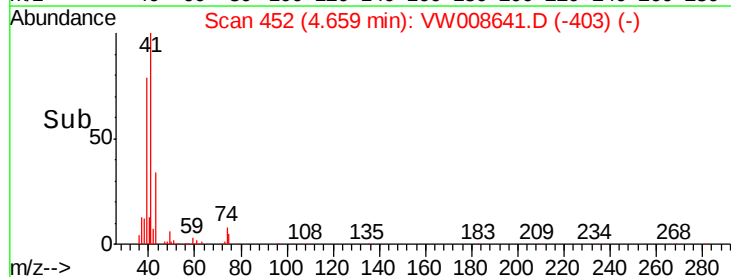
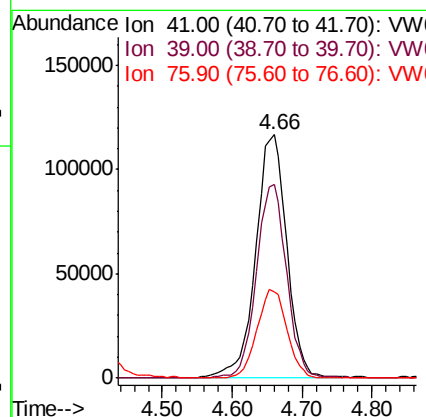
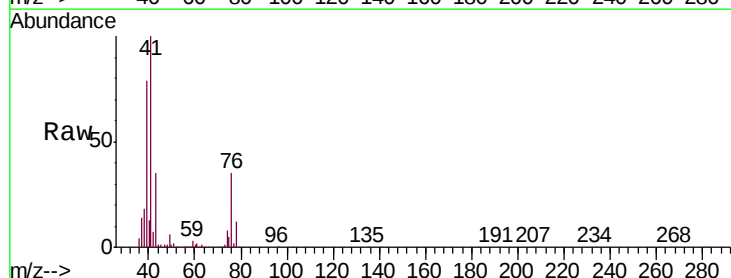
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 86292
Ion Ratio Lower Upper
56 100
55 71.8 57.4 86.2



#14
Allyl chloride
Concen: 53.521 ug/l
RT: 4.66 min Scan# 452
Delta R.T. 0.00 min
Lab File: VW008641.D
Acq: 13 Feb 2019 15:37

Tgt Ion: 41 Resp: 360339
Ion Ratio Lower Upper
41 100
39 77.1 61.7 92.5
76 34.6 27.7 41.5





#15

Acrylonitrile

Concen: 268.150 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW008641.D

Acq: 13 Feb 2019 15:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

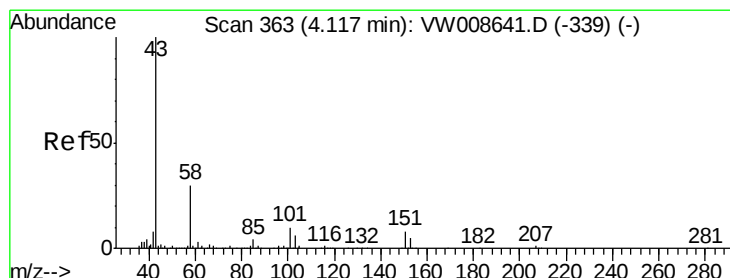
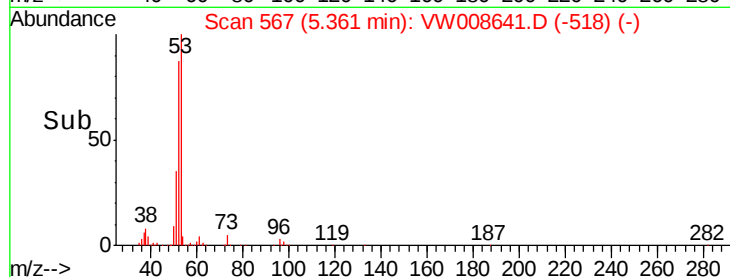
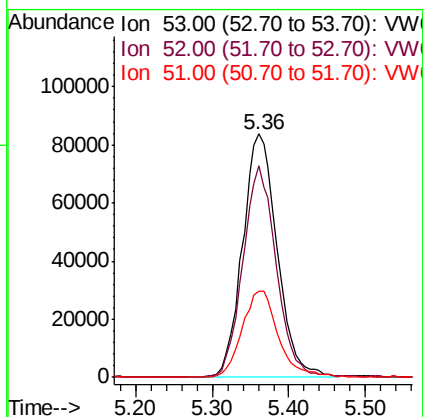
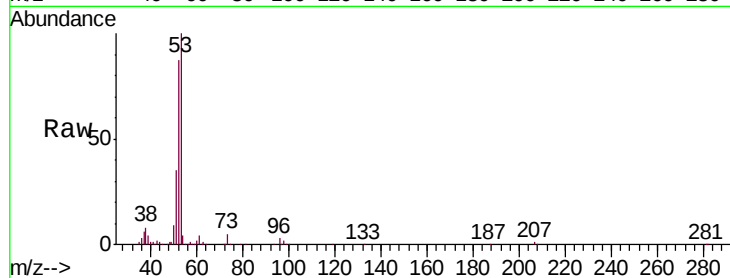
Tgt Ion: 53 Resp: 264094

Ion Ratio Lower Upper

53 100

52 83.5 66.8 100.2

51 36.7 29.4 44.0



#16

Acetone

Concen: 267.280 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW008641.D

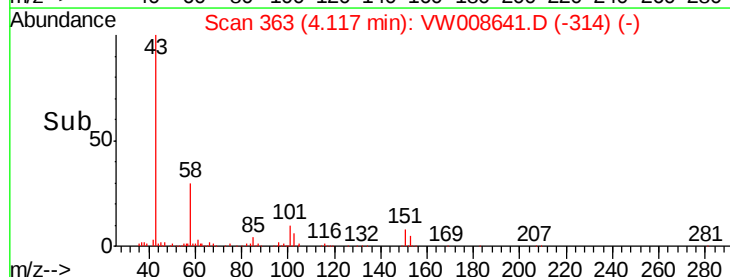
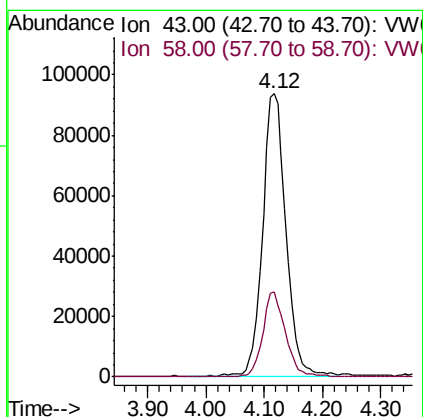
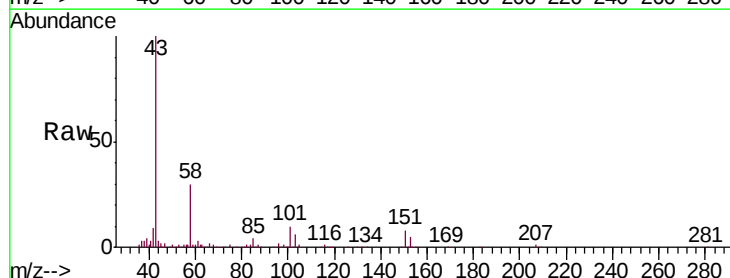
Acq: 13 Feb 2019 15:37

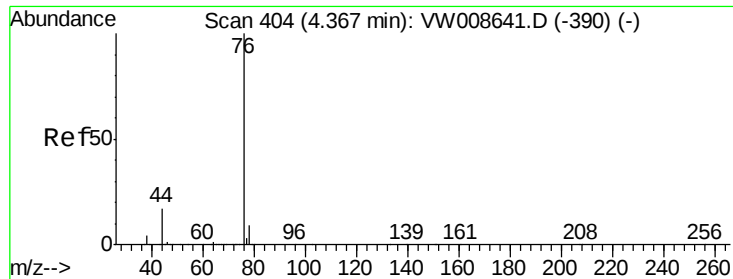
Tgt Ion: 43 Resp: 261563

Ion Ratio Lower Upper

43 100

58 30.1 24.1 36.1





#17

Carbon Disulfide

Concen: 52.265 ug/l

RT: 4.37 min Scan# 404

Delta R.T. 0.00 min

Lab File: VW008641.D

Acq: 13 Feb 2019 15:37

Instrument :

MSVOA_W

ClientSampleId :

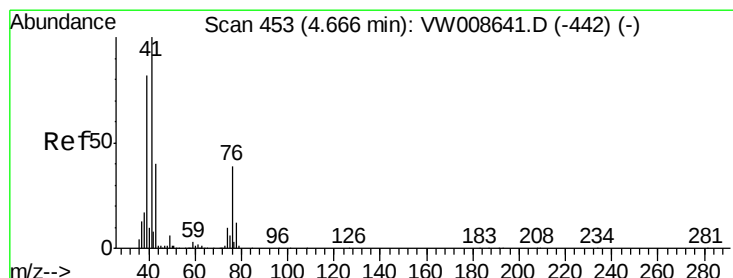
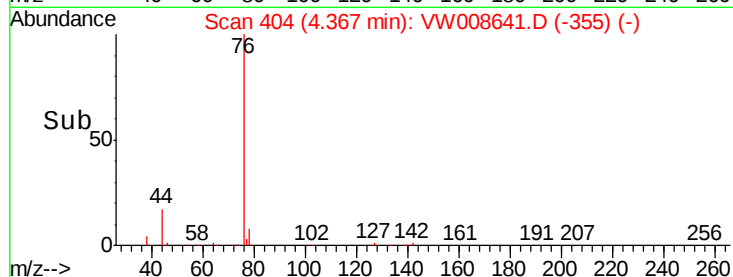
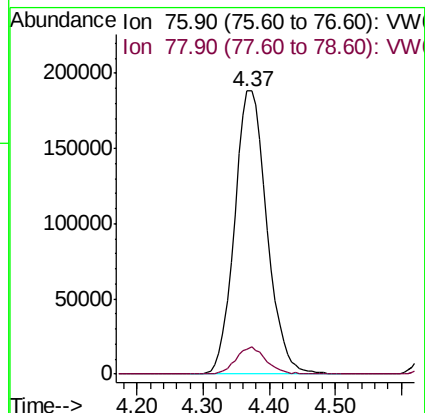
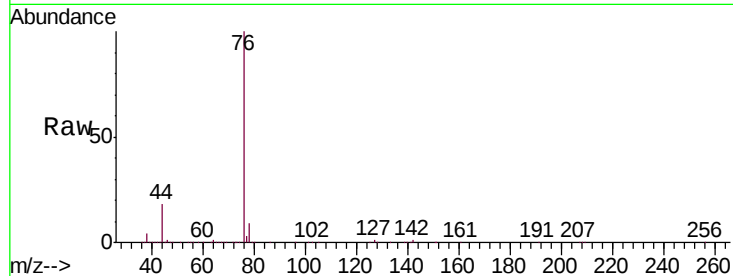
VSTDICCC050

Tgt Ion: 76 Resp: 639158

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7



#18

Methyl Acetate

Concen: 51.879 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW008641.D

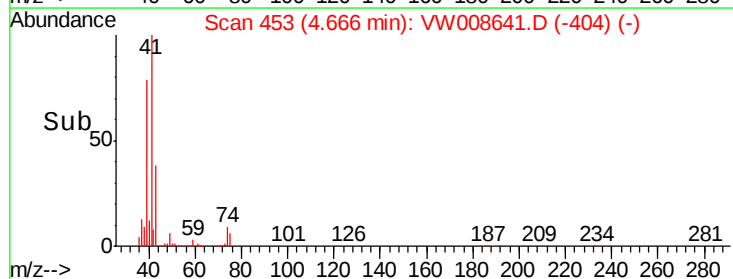
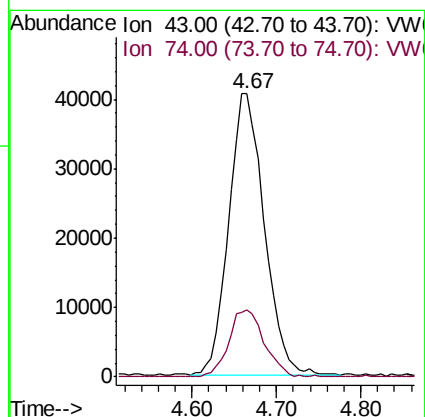
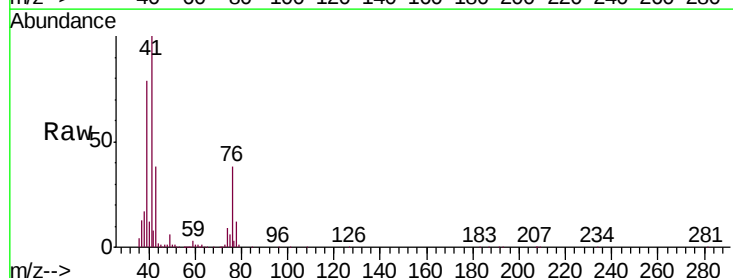
Acq: 13 Feb 2019 15:37

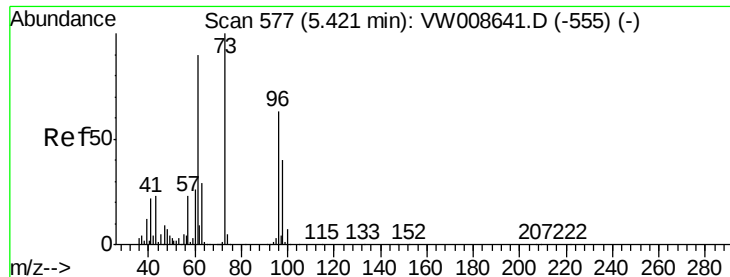
Tgt Ion: 43 Resp: 116413

Ion Ratio Lower Upper

43 100

74 23.7 19.0 28.4





#19

Methyl tert-butyl Ether

Concen: 53.345 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW008641.D

Acq: 13 Feb 2019 15:37

Instrument :

MSVOA_W

ClientSampleId :

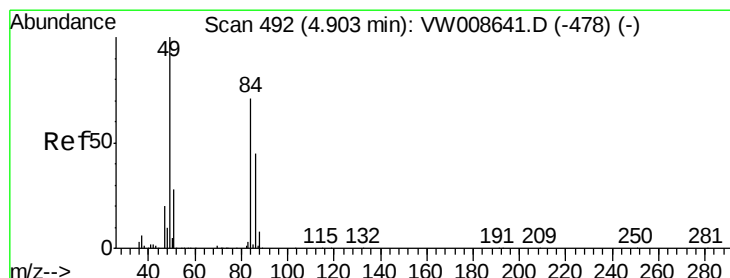
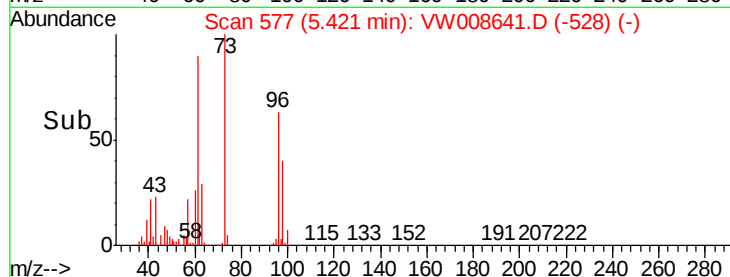
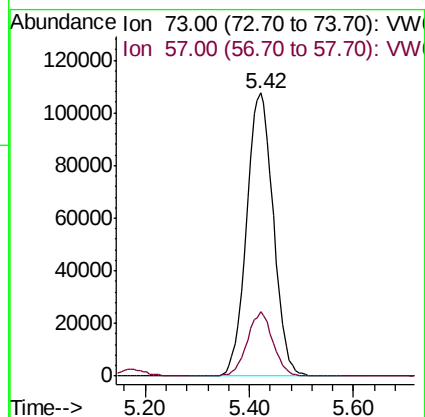
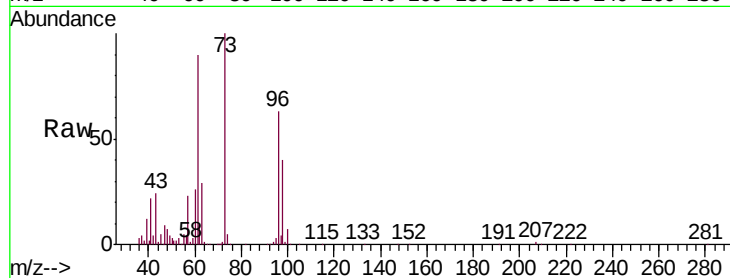
VSTDICCC050

Tgt Ion: 73 Resp: 379483

Ion Ratio Lower Upper

73 100

57 22.7 18.2 27.2



#20

Methylene Chloride

Concen: 39.087 ug/l

RT: 4.90 min Scan# 492

Delta R.T. 0.00 min

Lab File: VW008641.D

Acq: 13 Feb 2019 15:37

Tgt Ion: 84 Resp: 219649

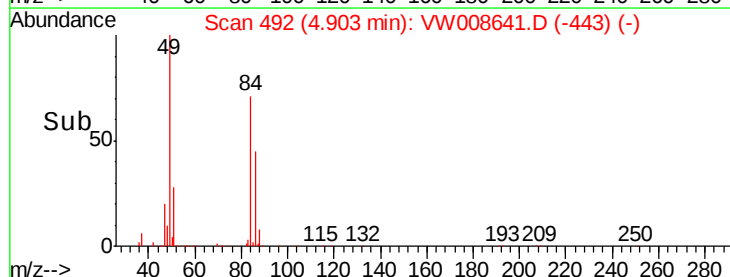
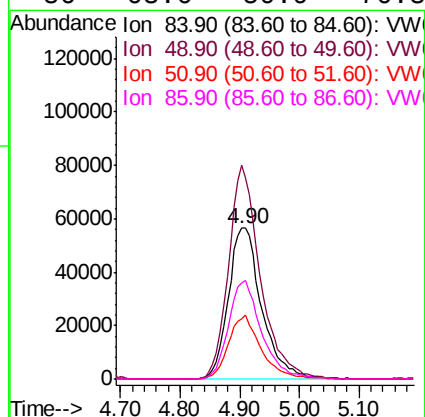
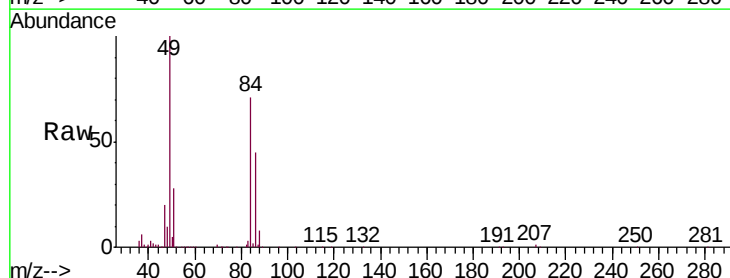
Ion Ratio Lower Upper

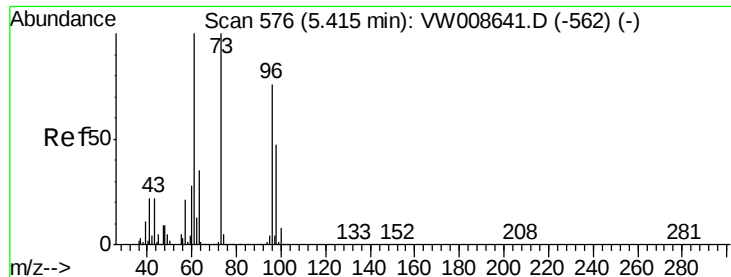
84 100

49 141.6 113.3 169.9

51 40.1 32.1 48.1

86 63.6 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 52.354 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW008641.D

Acq: 13 Feb 2019 15:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

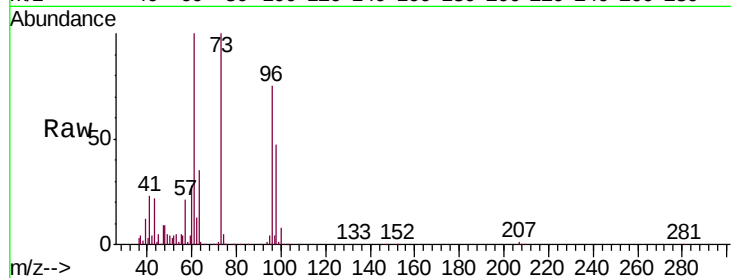
Tgt Ion: 96 Resp: 232339

Ion Ratio Lower Upper

96 100

61 132.4 105.9 158.9

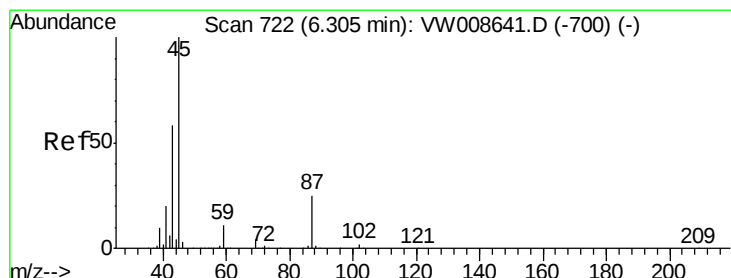
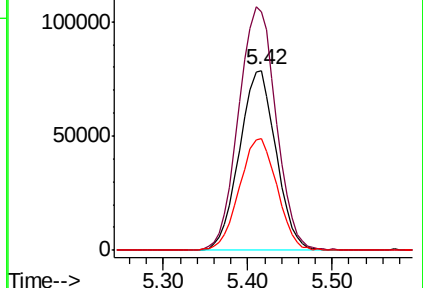
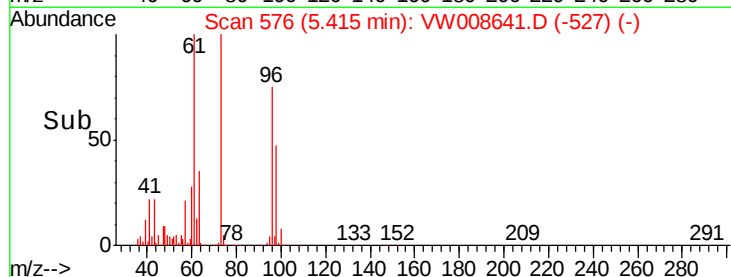
98 62.2 49.8 74.6



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: 52.600 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW008641.D

Acq: 13 Feb 2019 15:37

Tgt Ion: 45 Resp: 712767

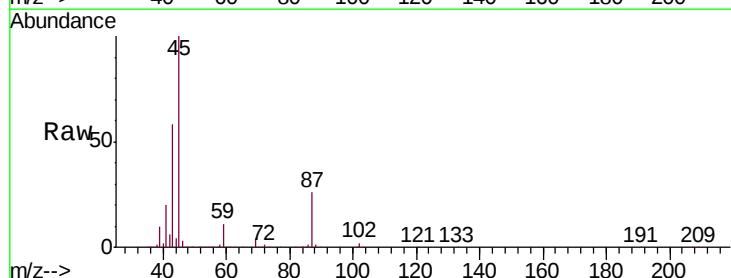
Ion Ratio Lower Upper

45 100

43 57.6 46.1 69.1

87 25.6 20.5 30.7

59 10.7 8.6 12.8

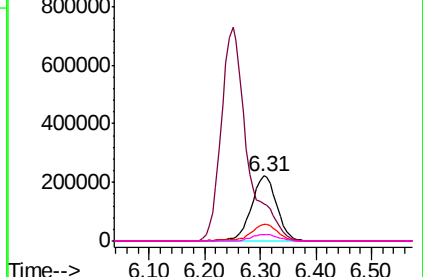
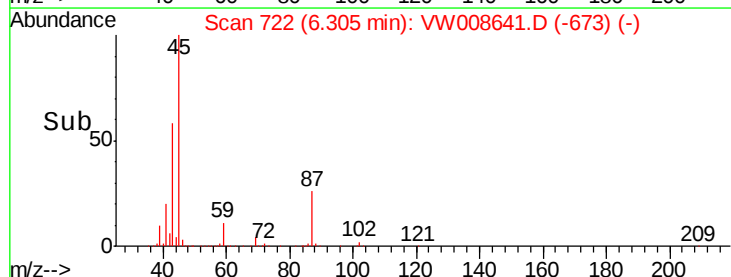


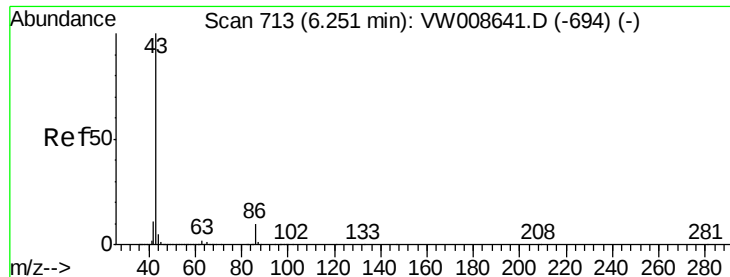
Abundance Ion 45.00 (44.70 to 45.70): VW

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: 269.842 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW008641.D

Acq: 13 Feb 2019 15:37

Instrument :

MSVOA_W

ClientSampleId :

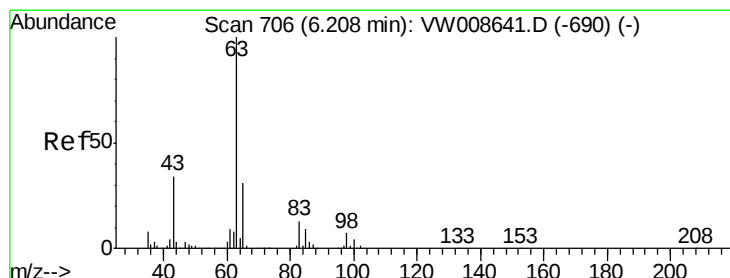
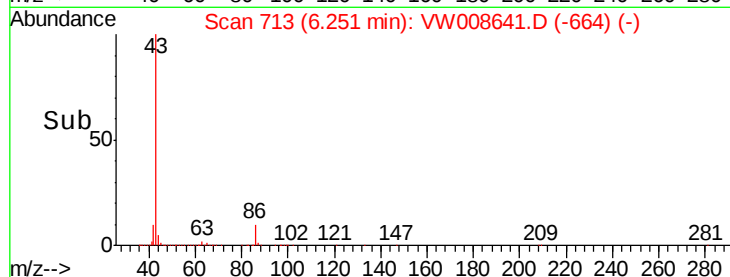
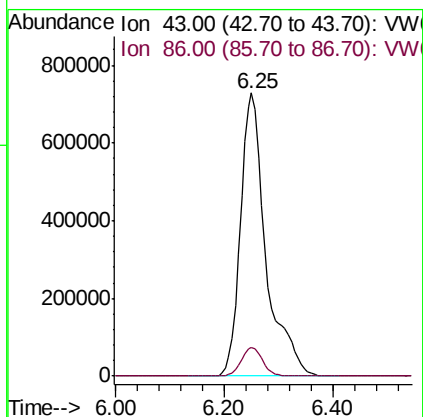
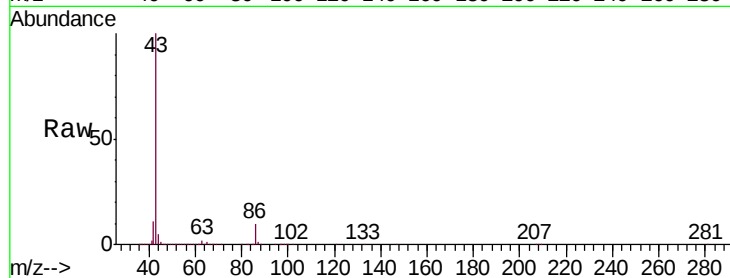
VSTDICCC050

Tgt Ion: 43 Resp: 2373155

Ion Ratio Lower Upper

43 100

86 9.9 7.9 11.9



#24

1,1-Dichloroethane

Concen: 52.613 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW008641.D

Acq: 13 Feb 2019 15:37

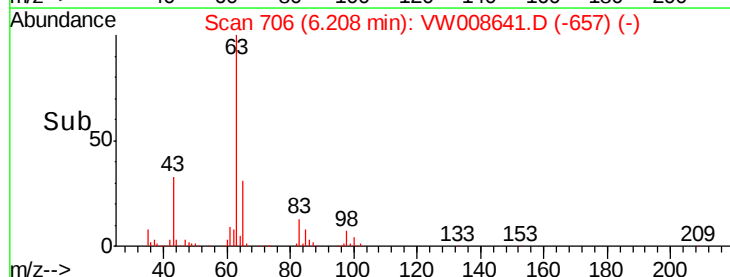
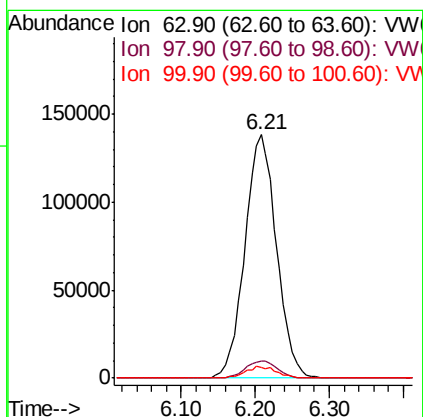
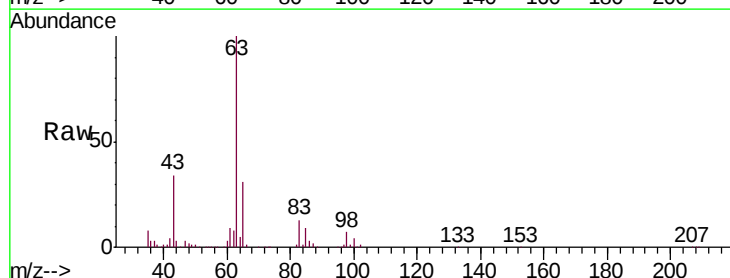
Tgt Ion: 63 Resp: 411398

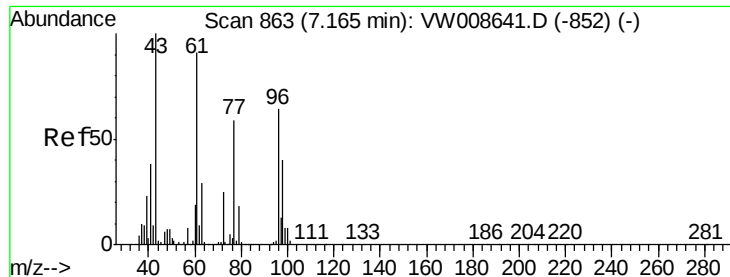
Ion Ratio Lower Upper

63 100

98 7.2 3.6 10.8

100 4.4 2.2 6.6





#25

2-Butanone

Concen: 269.959 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW008641.D

Acq: 13 Feb 2019 15:37

Instrument :

MSVOA_W

ClientSampleId :

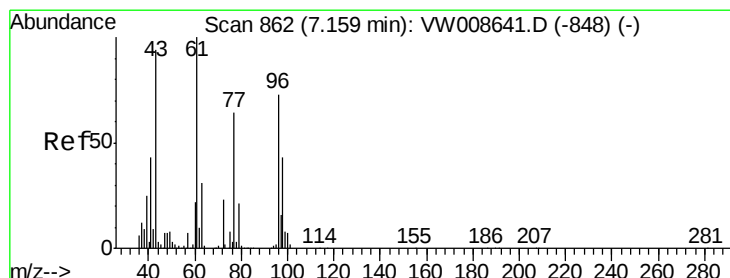
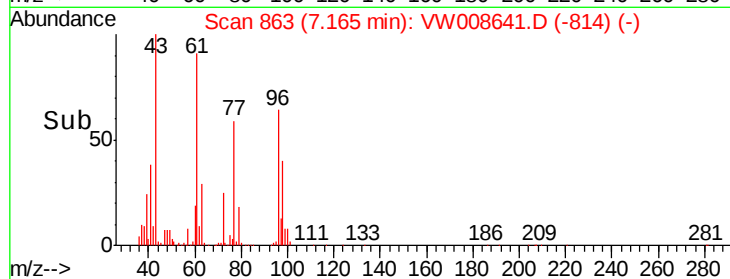
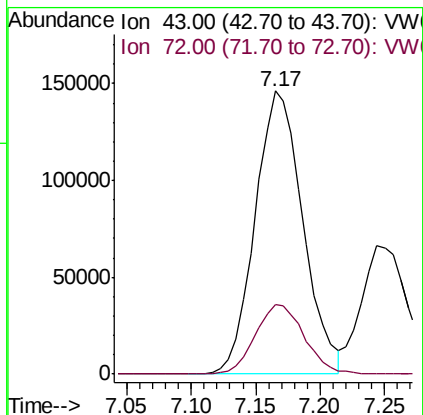
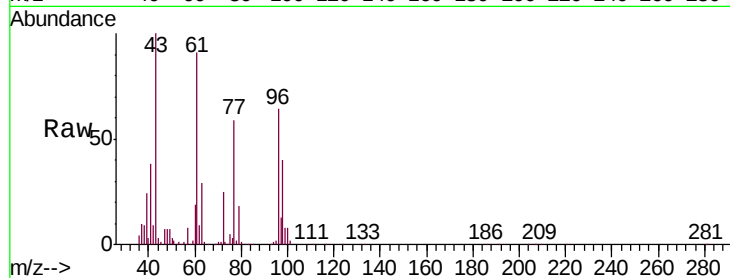
VSTDICCC050

Tgt Ion: 43 Resp: 374332

Ion Ratio Lower Upper

43 100

72 24.6 19.7 29.5



#26

2,2-Dichloropropane

Concen: 51.722 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW008641.D

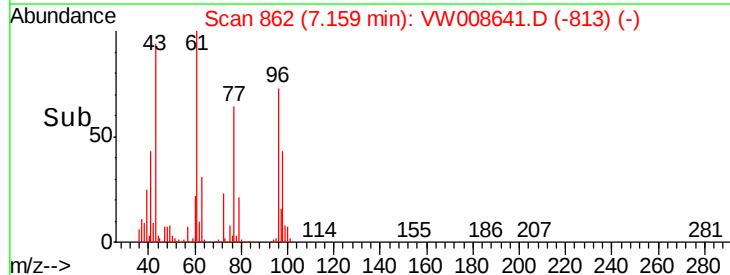
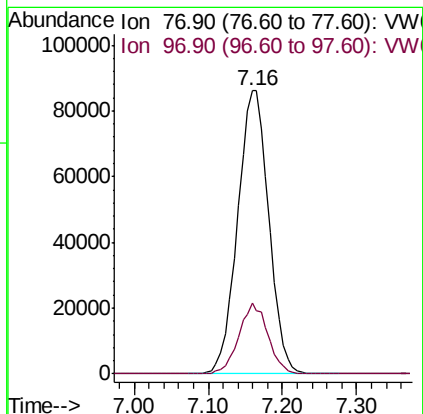
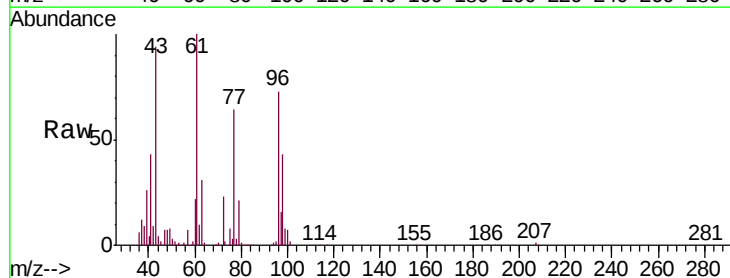
Acq: 13 Feb 2019 15:37

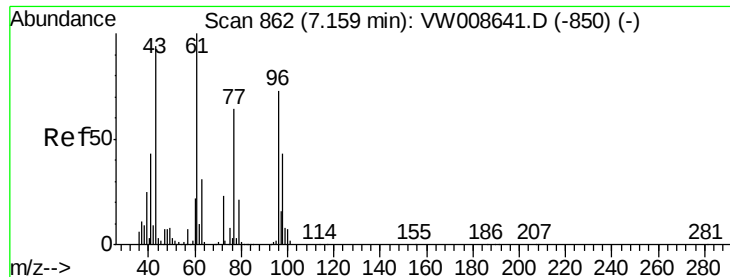
Tgt Ion: 77 Resp: 252652

Ion Ratio Lower Upper

77 100

97 23.3 11.7 35.0

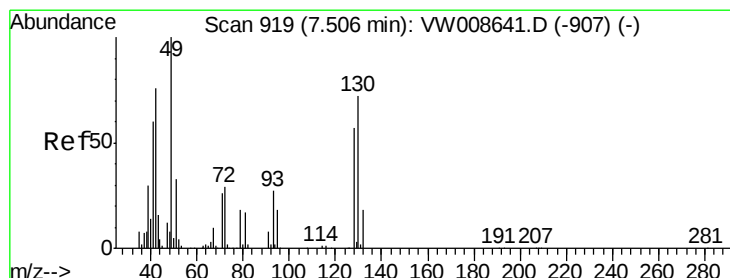
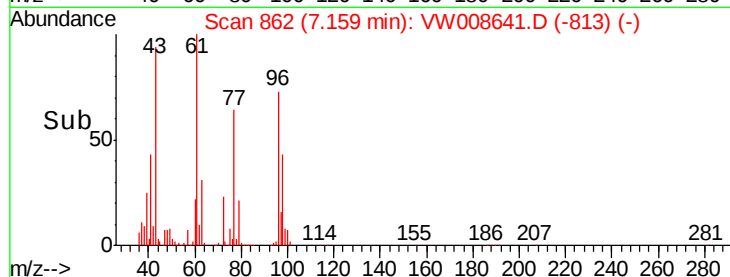
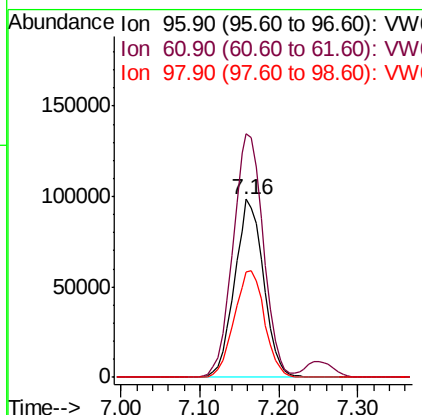
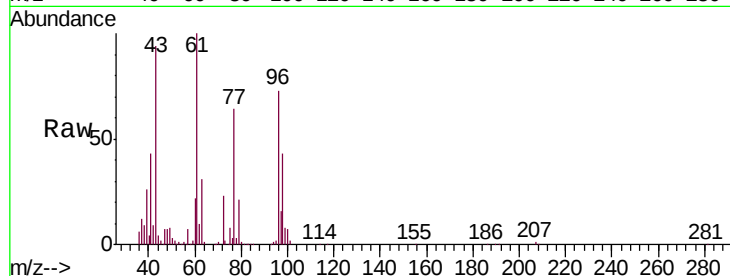




#27
 cis-1,2-Dichloroethene
 Concen: 52.424 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. 0.00 min
 Lab File: VW008641.D
 Acq: 13 Feb 2019 15:37

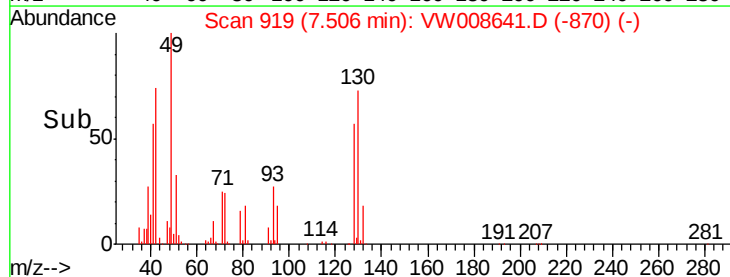
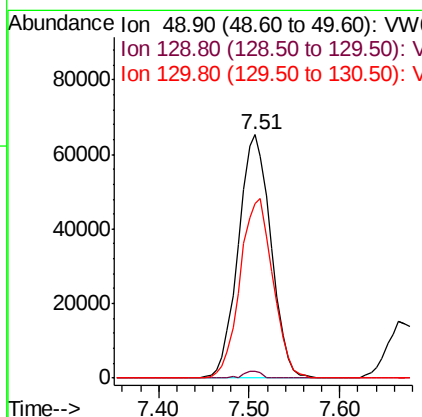
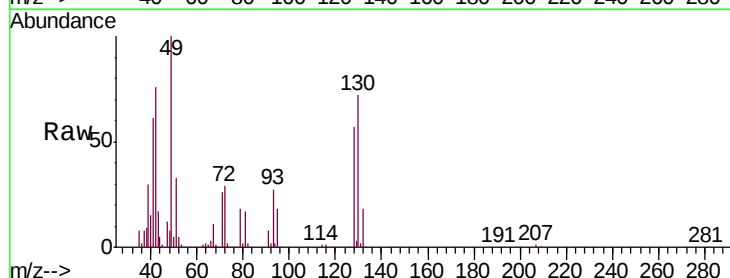
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

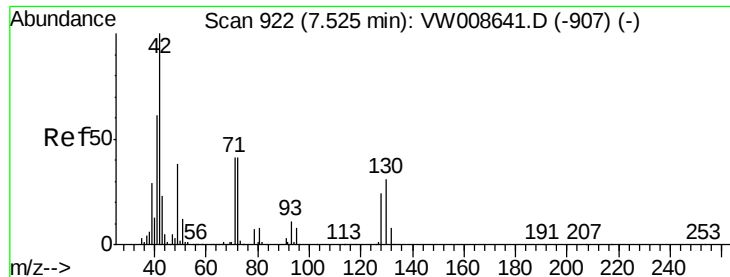
Tgt Ion: 96 Resp: 251571
 Ion Ratio Lower Upper
 96 100
 61 143.2 0.0 286.4
 98 62.5 0.0 125.0



#28
 Bromochloromethane
 Concen: 49.247 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW008641.D
 Acq: 13 Feb 2019 15:37

Tgt Ion: 49 Resp: 162558
 Ion Ratio Lower Upper
 49 100
 129 1.6 0.0 3.2
 130 74.2 59.4 89.0





#29

Tetrahydrofuran

Concen: 266.555 ug/l

RT: 7.52 min Scan# 922

Delta R.T. 0.00 min

Lab File: VW008641.D

Acq: 13 Feb 2019 15:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

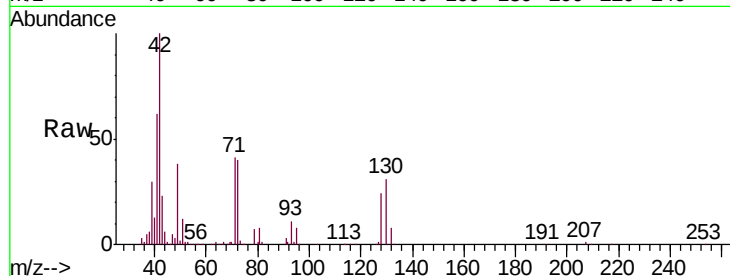
Tgt Ion: 42 Resp: 243617

Ion Ratio Lower Upper

42 100

72 40.2 32.2 48.2

71 38.8 31.0 46.6

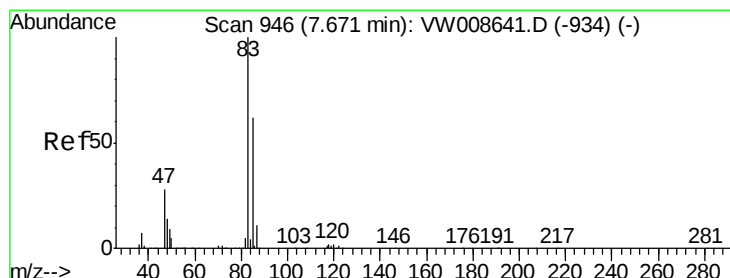
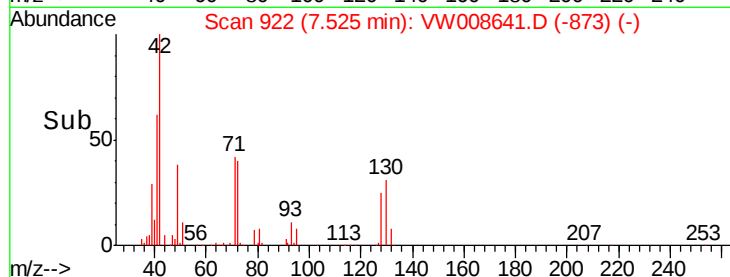
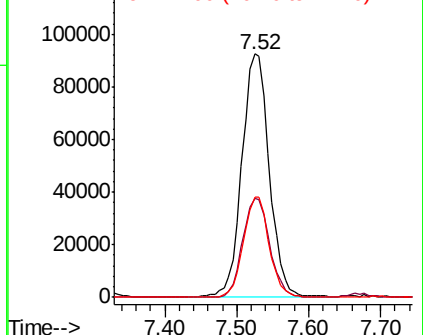


Abundance

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: 52.602 ug/l

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW008641.D

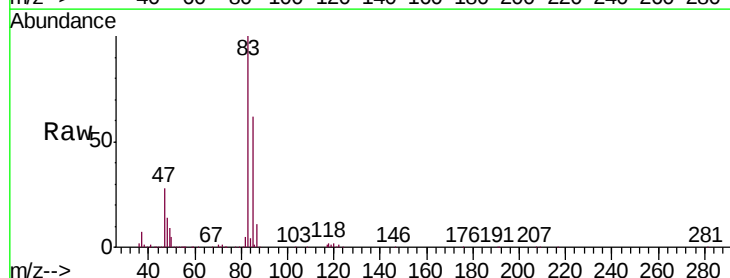
Acq: 13 Feb 2019 15:37

Tgt Ion: 83 Resp: 412134

Ion Ratio Lower Upper

83 100

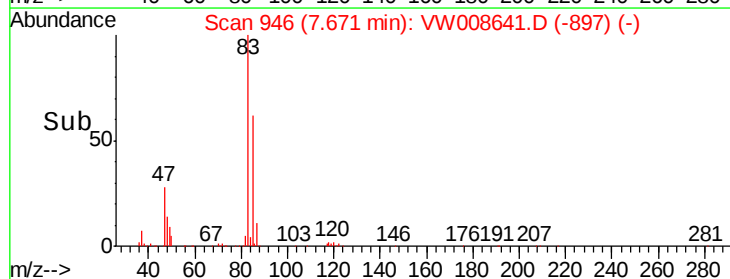
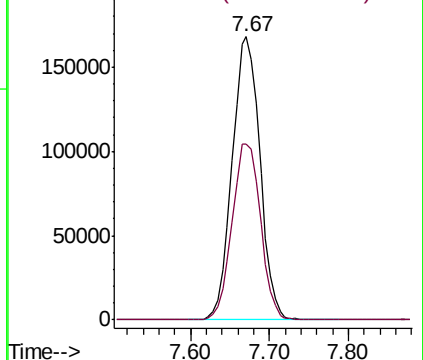
85 62.3 49.8 74.8

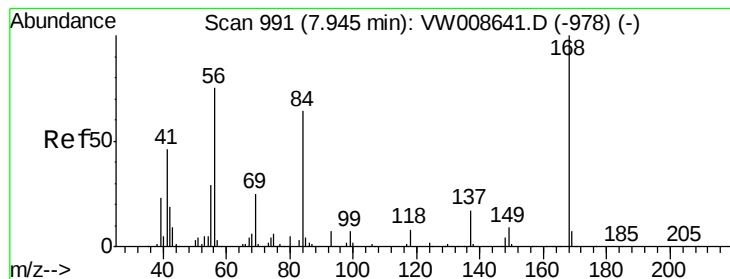


Abundance

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 49.488 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008641.D

Acq: 13 Feb 2019 15:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

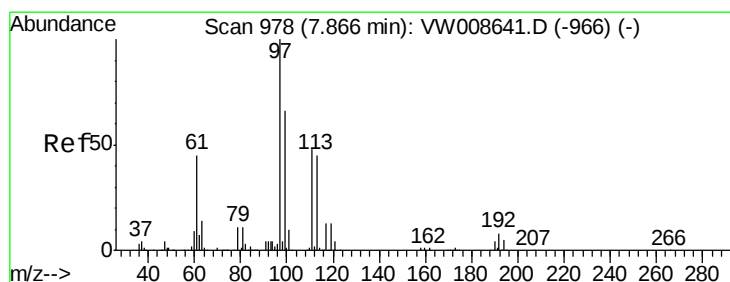
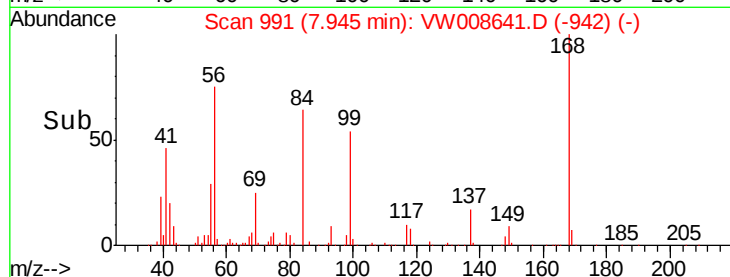
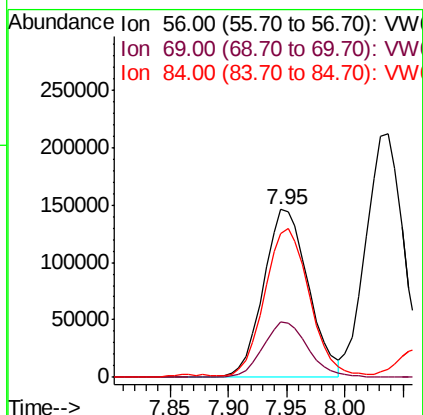
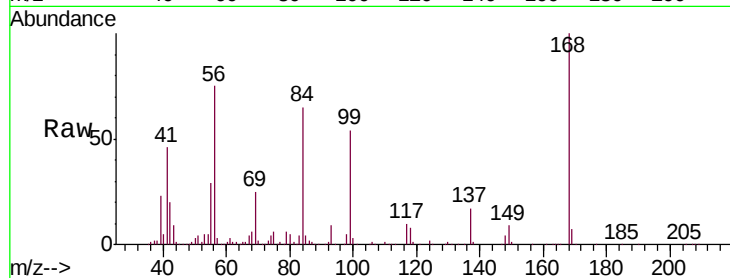
Tgt Ion: 56 Resp: 390573

Ion Ratio Lower Upper

56 100

69 33.0 26.4 39.6

84 84.3 67.4 101.2



#32

1,1,1-Trichloroethane

Concen: 52.531 ug/l

RT: 7.87 min Scan# 978

Delta R.T. 0.00 min

Lab File: VW008641.D

Acq: 13 Feb 2019 15:37

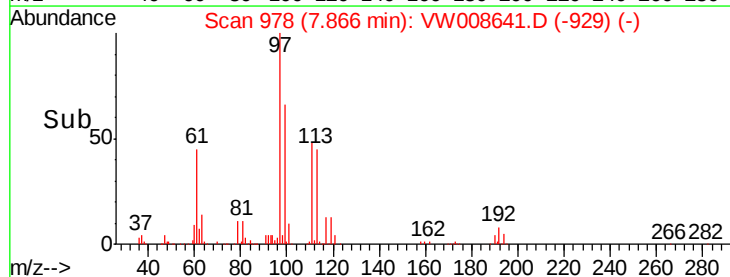
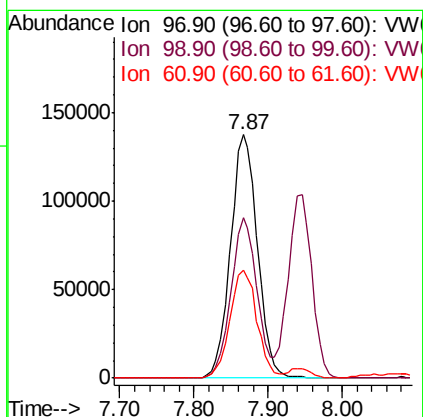
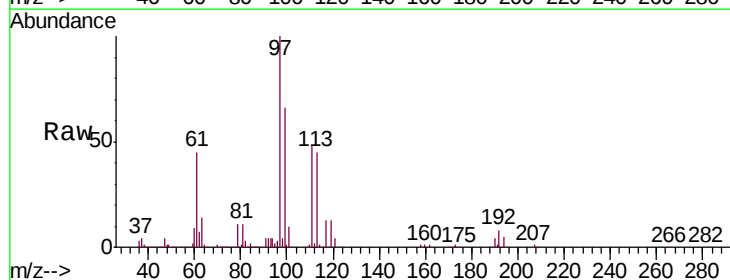
Tgt Ion: 97 Resp: 347598

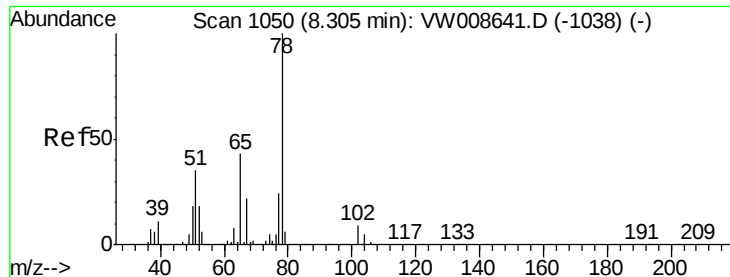
Ion Ratio Lower Upper

97 100

99 64.5 51.6 77.4

61 44.7 35.8 53.6

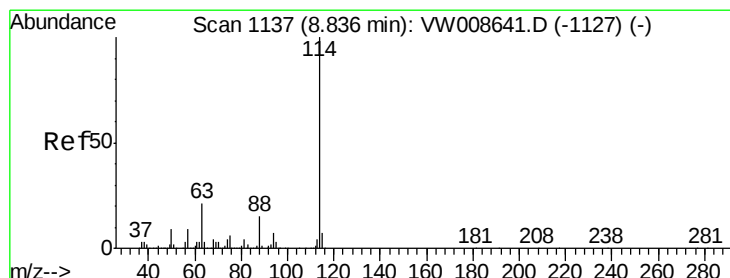
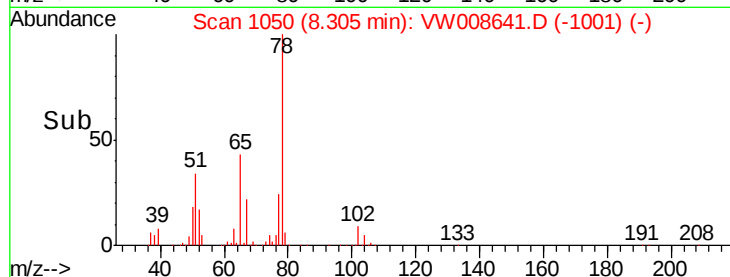
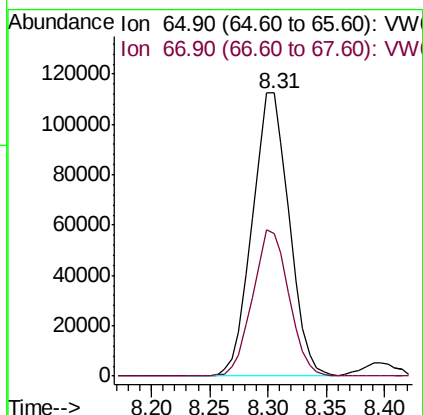
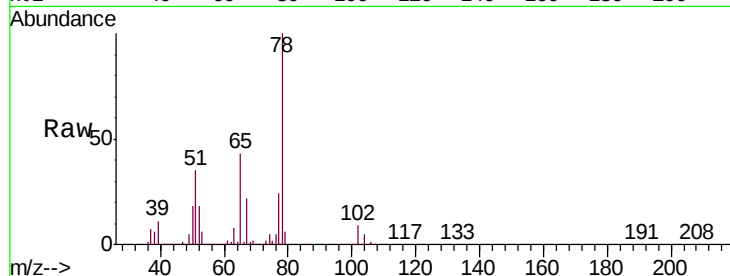




#33
 1,2-Dichloroethane-d4
 Concen: 57.360 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008641.D
 Acq: 13 Feb 2019 15:37

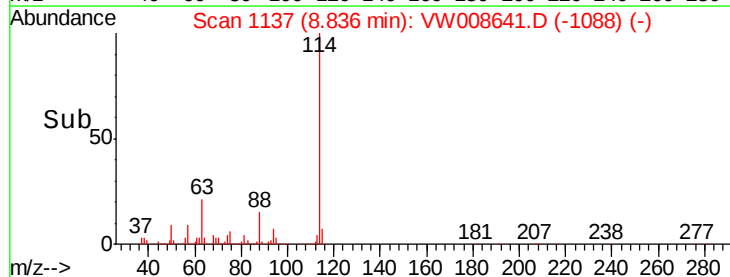
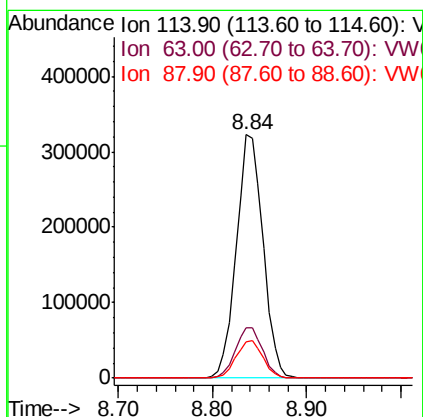
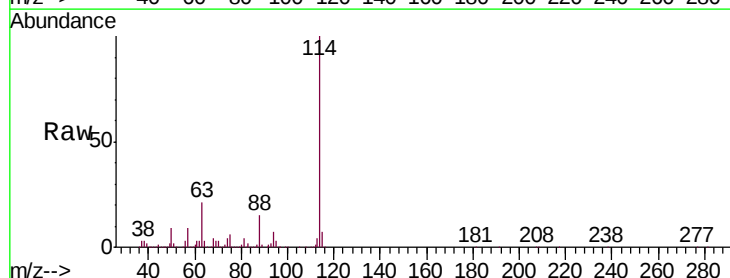
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

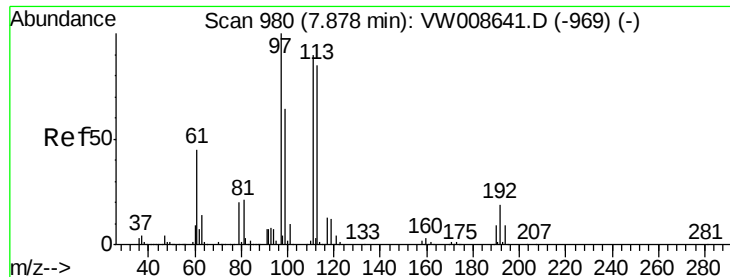
Tgt Ion: 65 Resp: 247528
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VW008641.D
 Acq: 13 Feb 2019 15:37

Tgt Ion: 114 Resp: 633246
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 41.2
 88 14.8 0.0 29.6

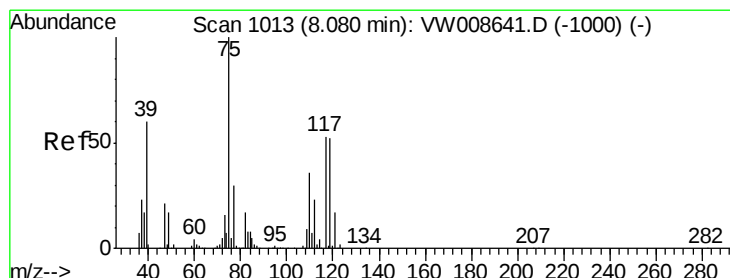
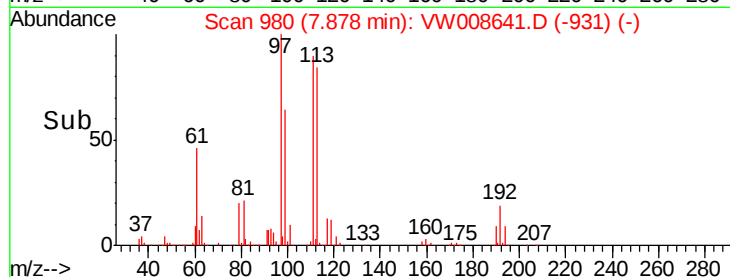
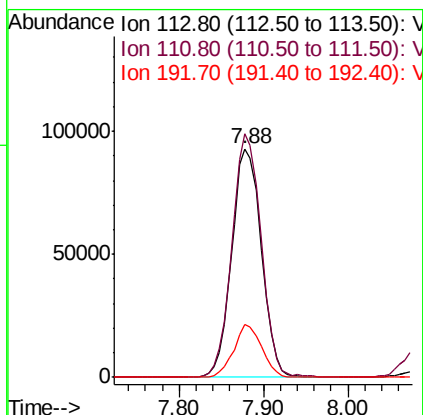
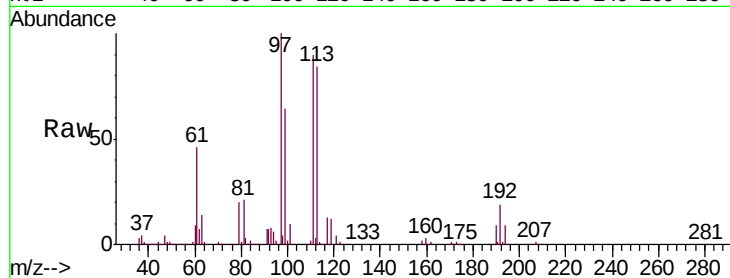




#35
 Dibromofluoromethane
 Concen: 56.057 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW008641.D
 Acq: 13 Feb 2019 15:37

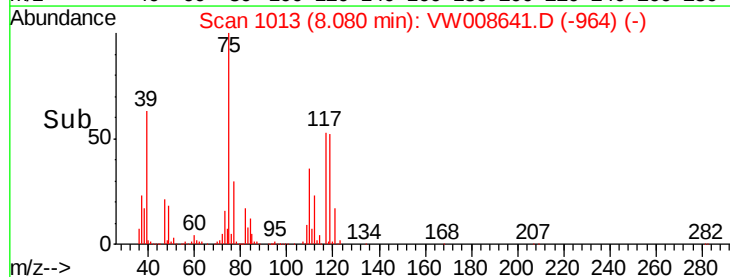
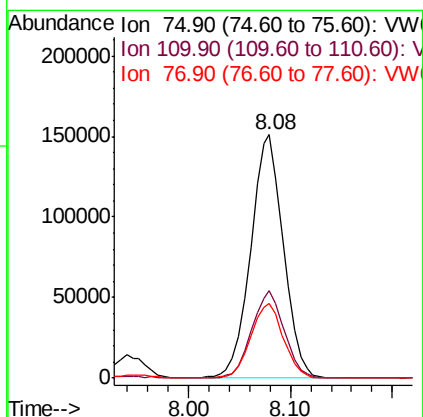
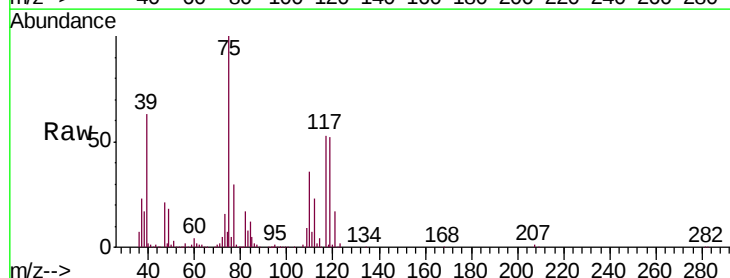
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

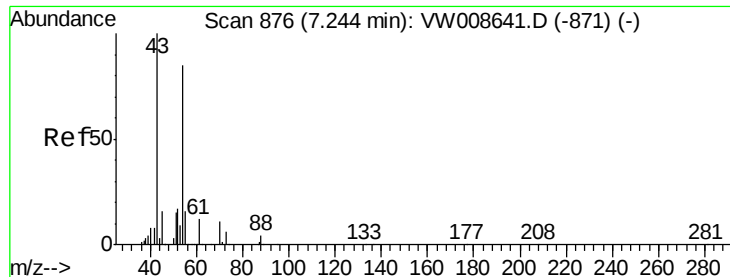
Tgt Ion: 113 Resp: 220420
 Ion Ratio Lower Upper
 113 100
 111 105.0 84.0 126.0
 192 21.8 17.4 26.2



#36
 1,1-Dichloropropene
 Concen: 52.792 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW008641.D
 Acq: 13 Feb 2019 15:37

Tgt Ion: 75 Resp: 335868
 Ion Ratio Lower Upper
 75 100
 110 35.5 17.8 53.3
 77 30.9 24.7 37.1

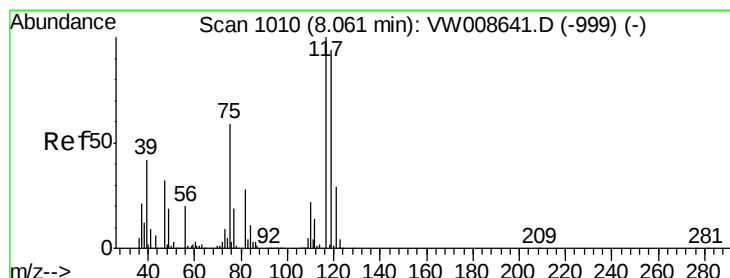
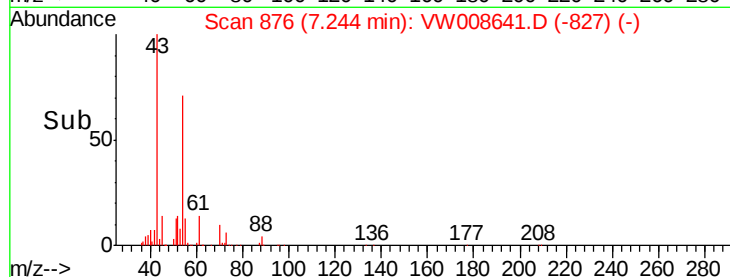
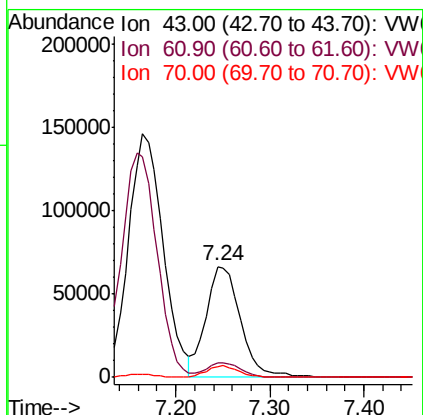
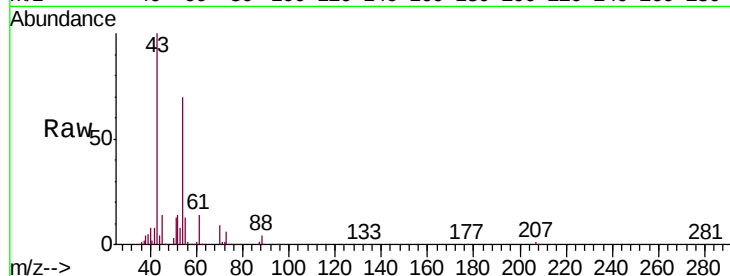




#37
 Ethyl Acetate
 Concen: 54.811 ug/l
 RT: 7.24 min Scan# 876
 Delta R.T. 0.00 min
 Lab File: VW008641.D
 Acq: 13 Feb 2019 15:37

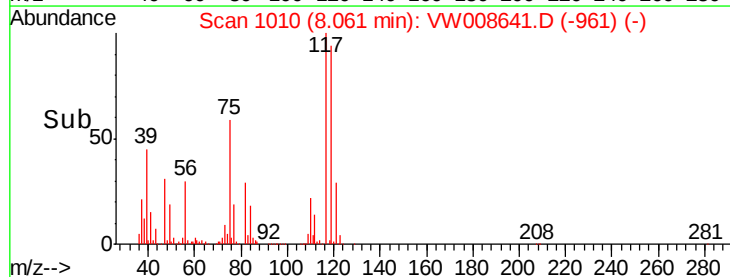
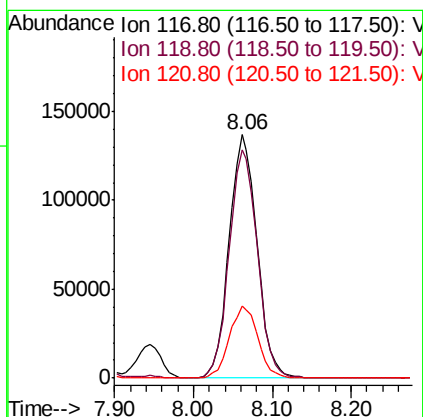
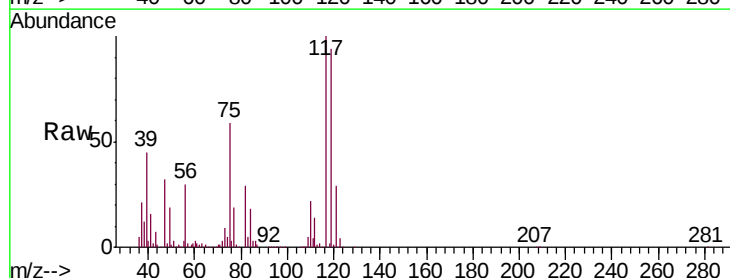
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

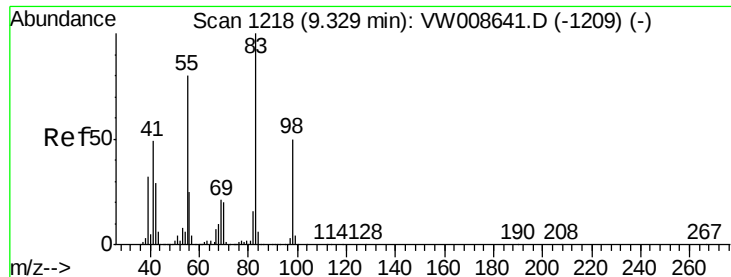
Tgt Ion: 43 Resp: 168213
 Ion Ratio Lower Upper
 43 100
 61 13.1 10.5 15.7
 70 10.1 8.1 12.1



#38
 Carbon Tetrachloride
 Concen: 53.141 ug/l
 RT: 8.06 min Scan# 1010
 Delta R.T. 0.00 min
 Lab File: VW008641.D
 Acq: 13 Feb 2019 15:37

Tgt Ion: 117 Resp: 336186
 Ion Ratio Lower Upper
 117 100
 119 93.9 75.1 112.7
 121 29.4 23.5 35.3

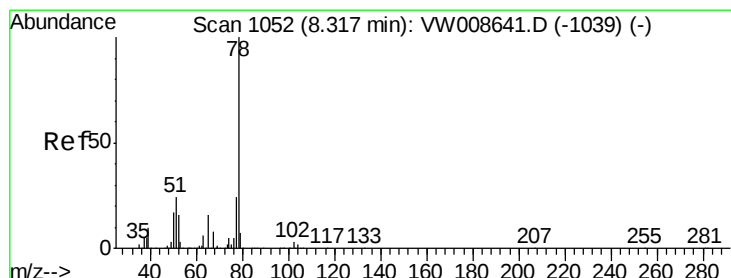
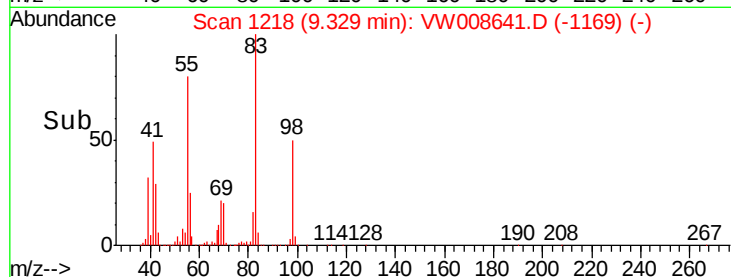
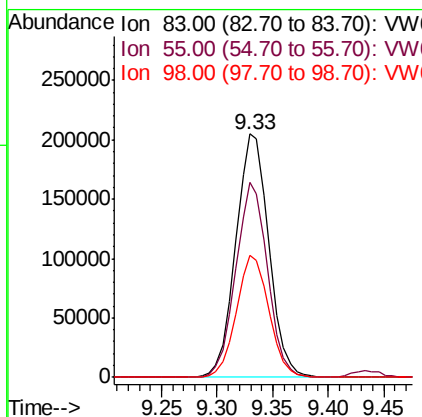
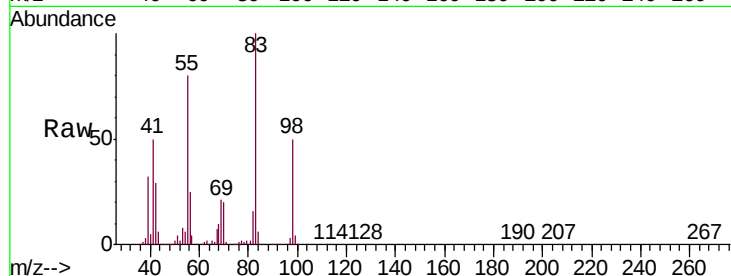




#39
Methylcyclohexane
Concen: 52.296 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. 0.00 min
Lab File: VW008641.D
Acq: 13 Feb 2019 15:37

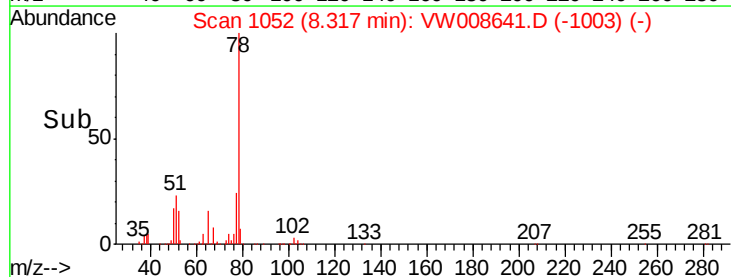
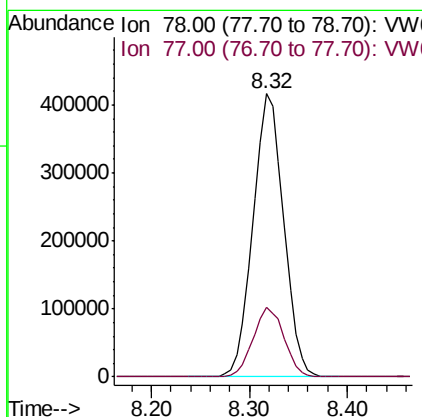
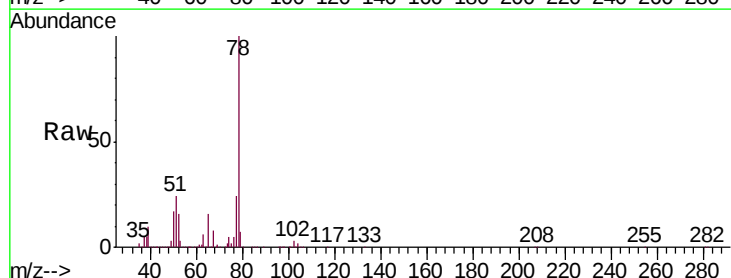
Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

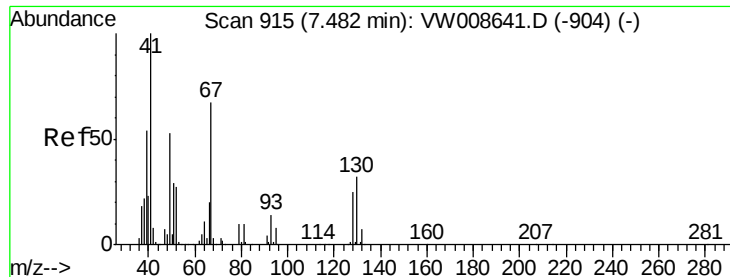
Tgt Ion: 83 Resp: 420827
Ion Ratio Lower Upper
83 100
55 79.9 63.9 95.9
98 50.2 40.2 60.2



#40
Benzene
Concen: 52.124 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW008641.D
Acq: 13 Feb 2019 15:37

Tgt Ion: 78 Resp: 905679
Ion Ratio Lower Upper
78 100
77 24.4 19.5 29.3

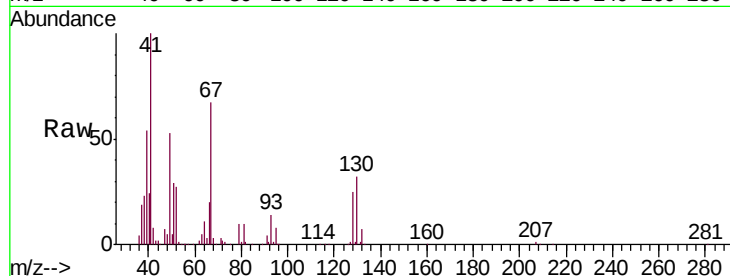




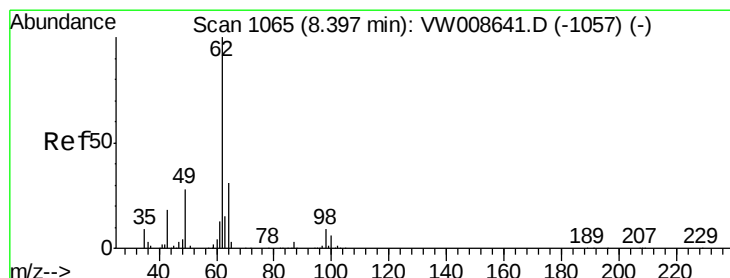
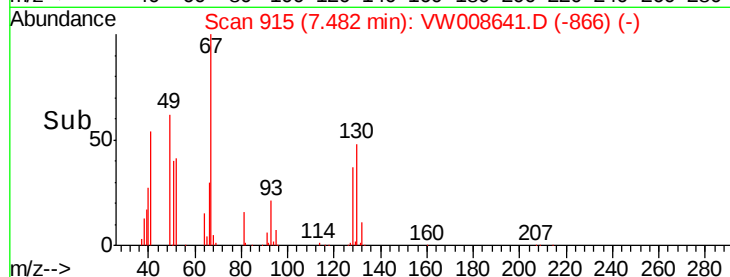
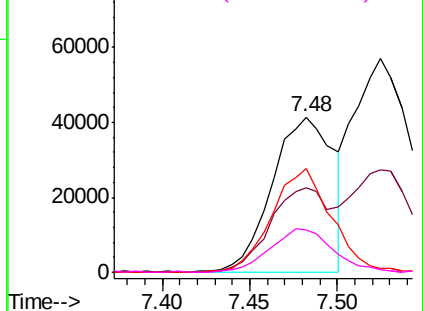
#41
Methacrylonitrile
Concen: 58.566 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW008641.D
Acq: 13 Feb 2019 15:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion:	41	Resp:	101127
Ion	Ratio	Lower	Upper
41	100		
39	49.6	39.7	59.5
67	65.6	52.5	78.7
52	28.9	23.1	34.7

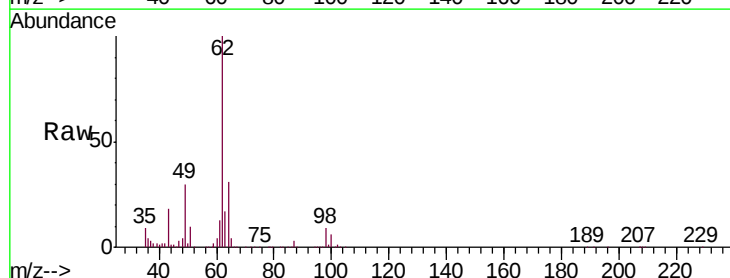


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

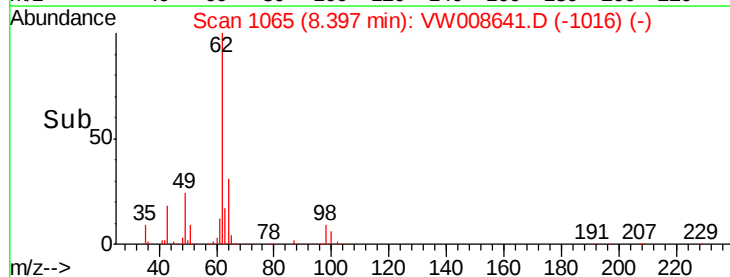
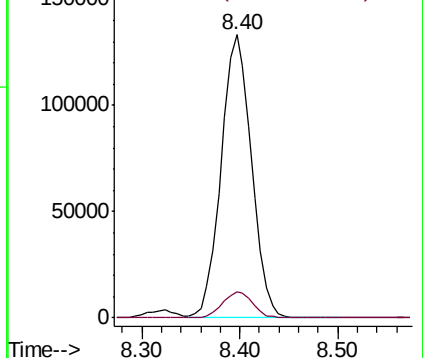


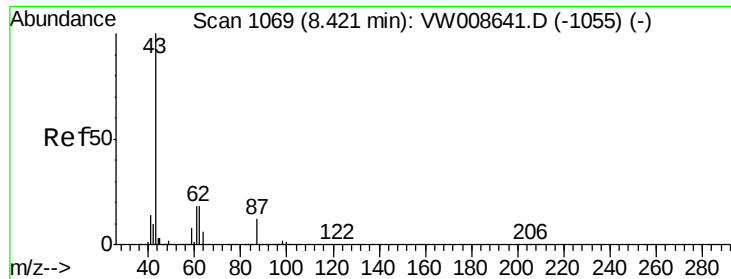
#42
1,2-Dichloroethane
Concen: 53.067 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW008641.D
Acq: 13 Feb 2019 15:37

Tgt Ion:	62	Resp:	286009
Ion	Ratio	Lower	Upper
62	100		
98	9.1	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: 54.814 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW008641.D

Acq: 13 Feb 2019 15:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

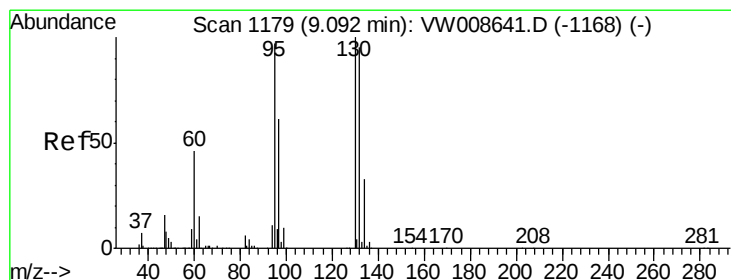
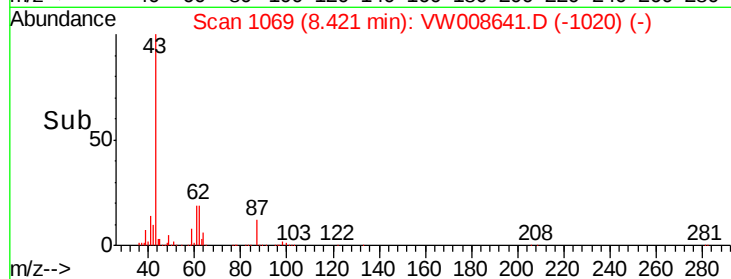
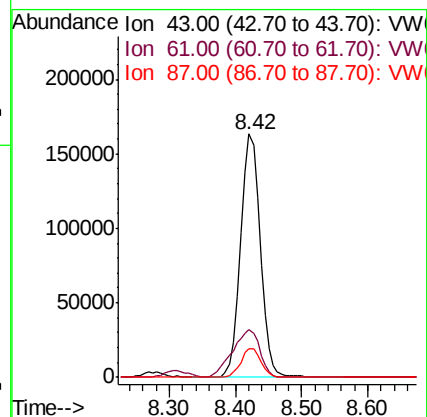
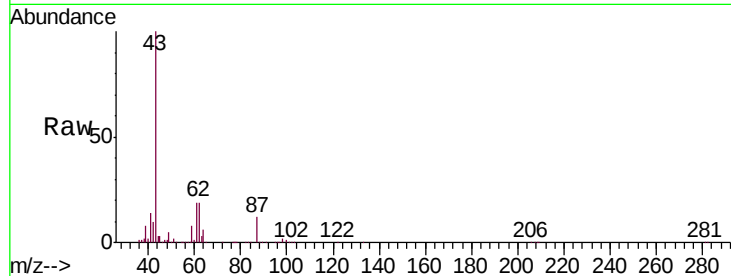
Tgt Ion: 43 Resp: 335439

Ion Ratio Lower Upper

43 100

61 26.8 21.4 32.2

87 12.3 9.8 14.8



#44

Trichloroethene

Concen: 52.468 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW008641.D

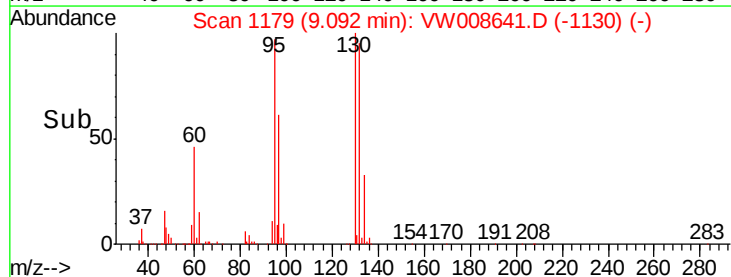
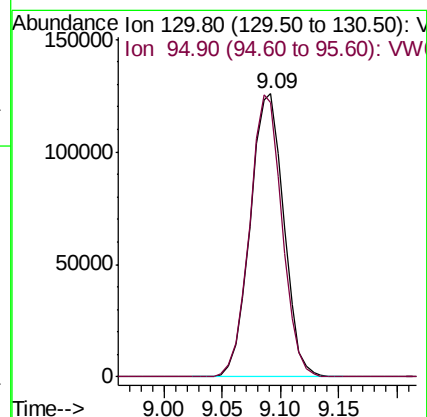
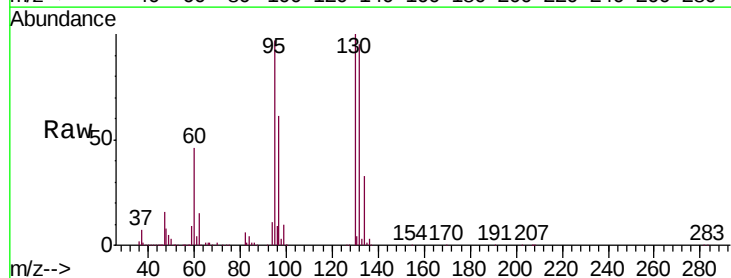
Acq: 13 Feb 2019 15:37

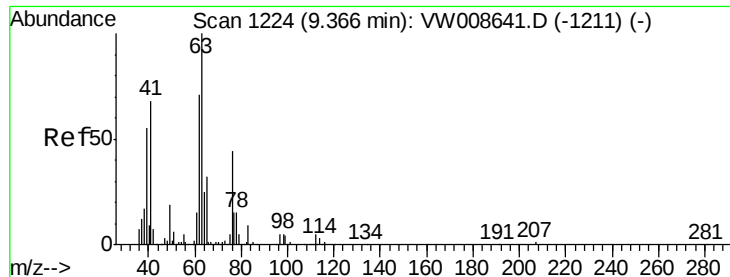
Tgt Ion: 130 Resp: 252773

Ion Ratio Lower Upper

130 100

95 96.7 0.0 193.4

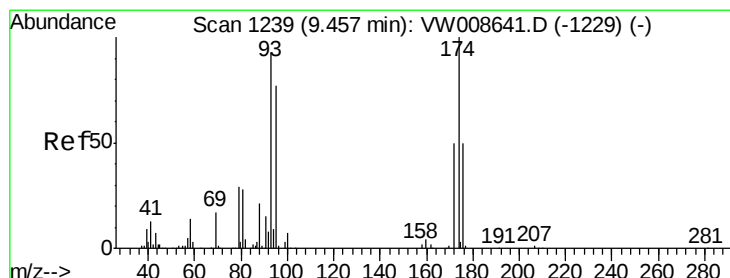
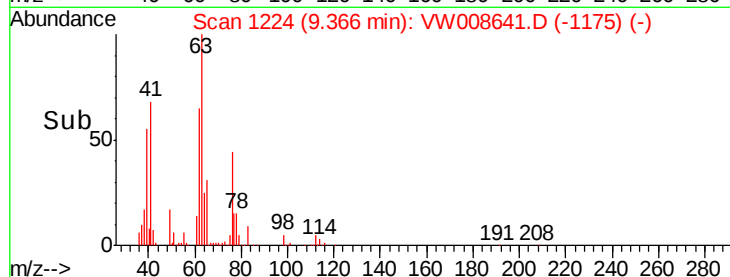
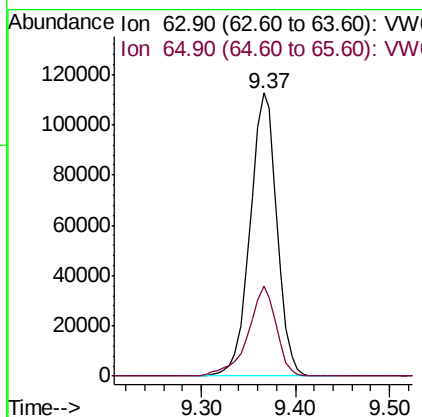
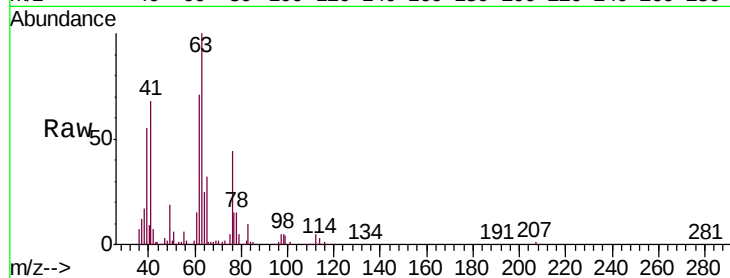




#45
 1,2-Dichloropropane
 Concen: 52.616 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW008641.D
 Acq: 13 Feb 2019 15:37

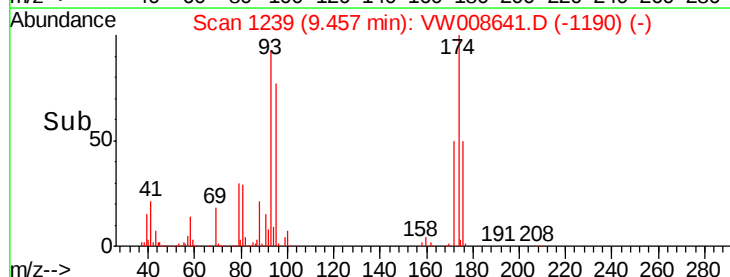
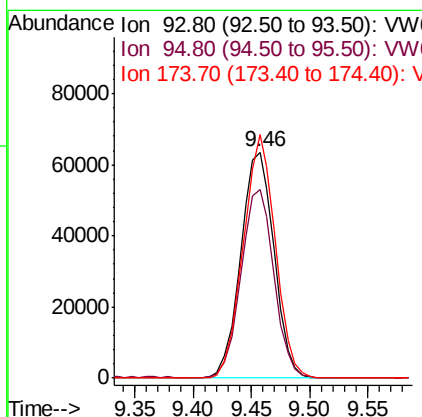
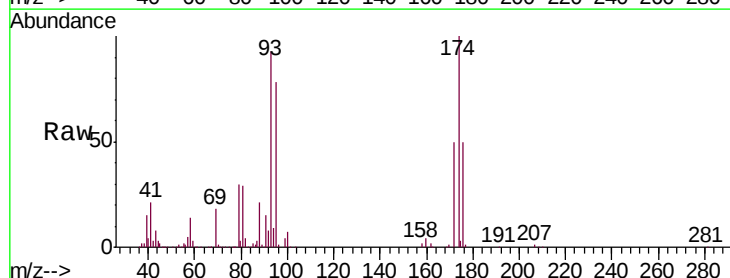
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

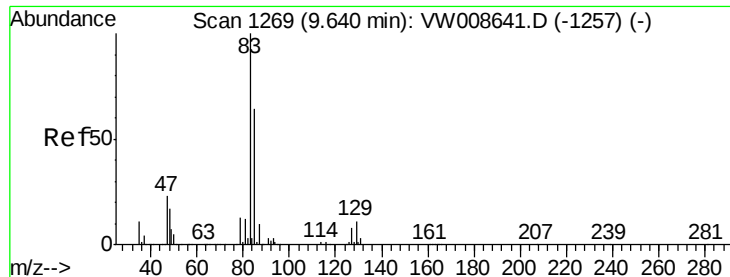
Tgt Ion: 63 Resp: 226256
 Ion Ratio Lower Upper
 63 100
 65 31.7 25.4 38.0



#46
 Dibromomethane
 Concen: 53.622 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW008641.D
 Acq: 13 Feb 2019 15:37

Tgt Ion: 93 Resp: 127018
 Ion Ratio Lower Upper
 93 100
 95 82.3 65.8 98.8
 174 103.1 82.5 123.7





#47

Bromodichloromethane

Concen: 53.928 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW008641.D

Acq: 13 Feb 2019 15:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

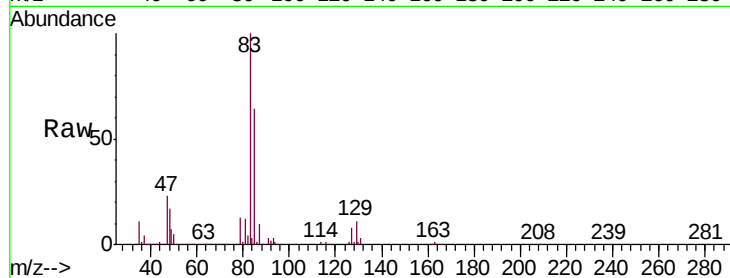
Tgt Ion: 83 Resp: 307006

Ion Ratio Lower Upper

83 100

85 64.0 51.2 76.8

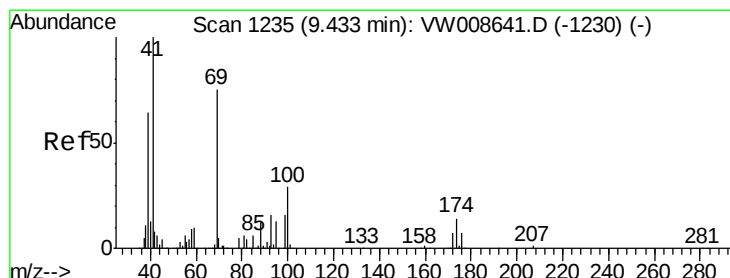
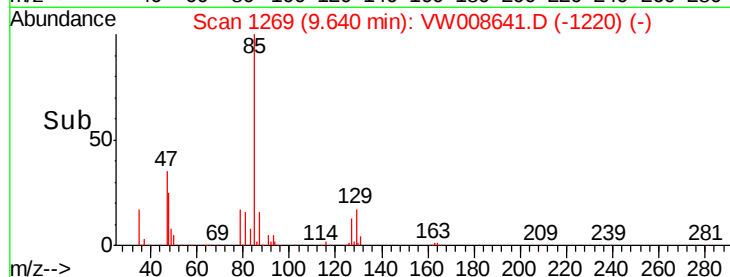
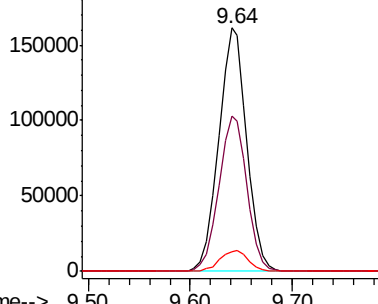
127 8.0 6.4 9.6



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): VW



#48

Methyl methacrylate

Concen: 55.633 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW008641.D

Acq: 13 Feb 2019 15:37

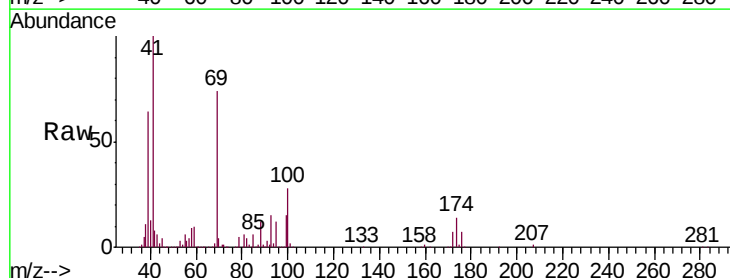
Tgt Ion: 41 Resp: 157776

Ion Ratio Lower Upper

41 100

69 80.1 64.1 96.1

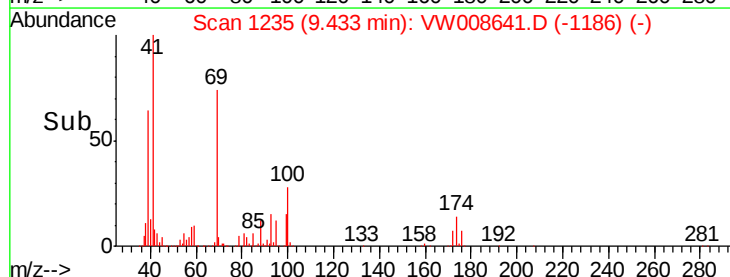
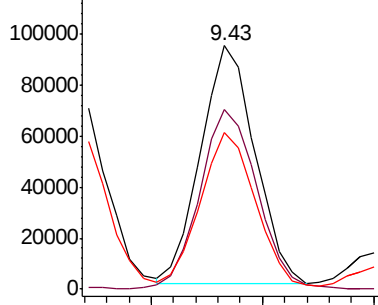
39 65.4 52.3 78.5

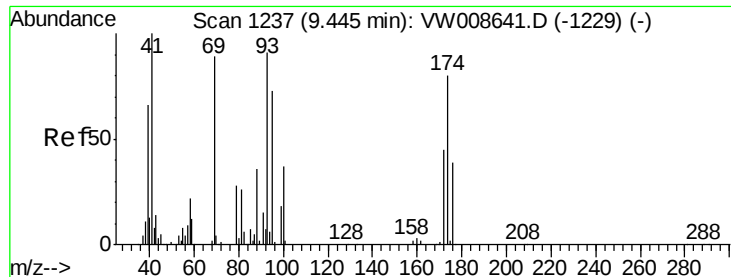


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

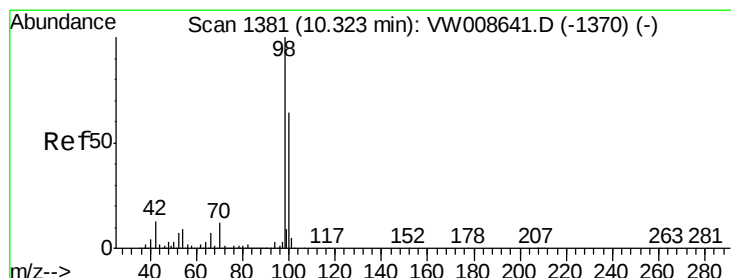
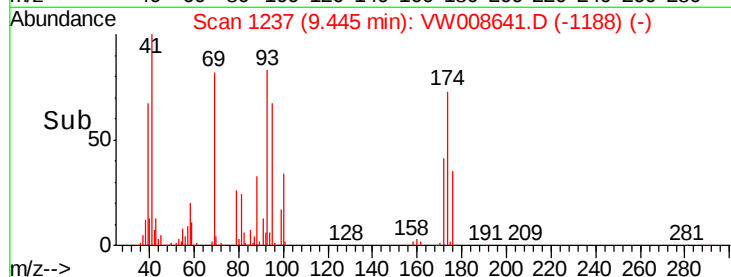
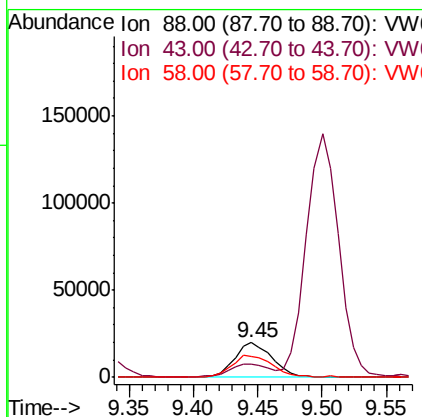
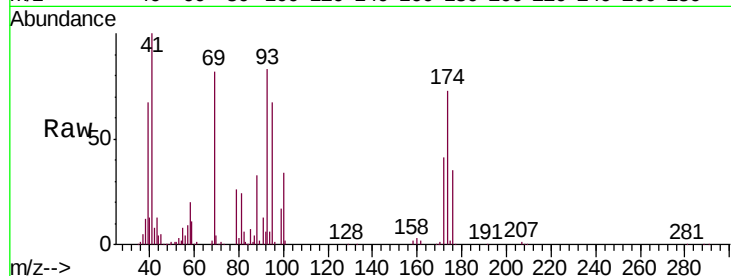




#49
1,4-Dioxane
Concen: 1064.792 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW008641.D
Acq: 13 Feb 2019 15:37

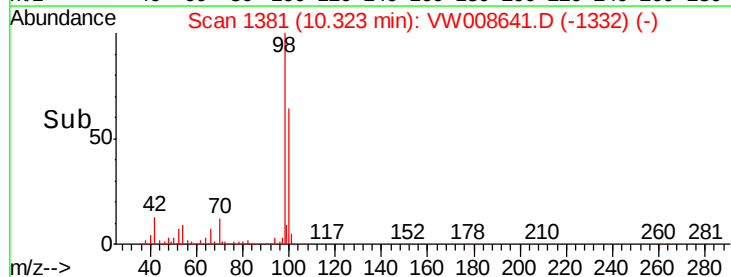
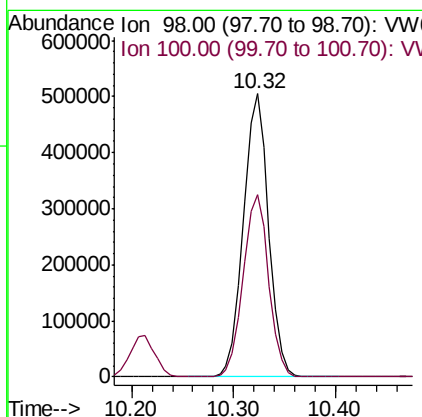
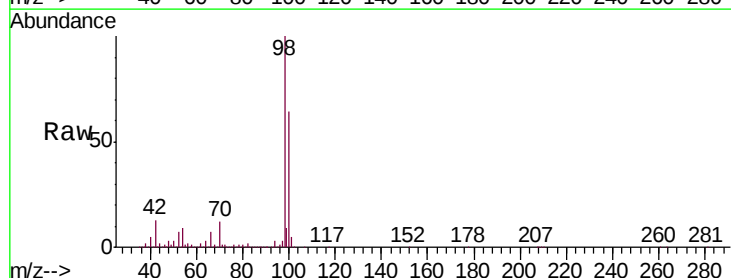
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

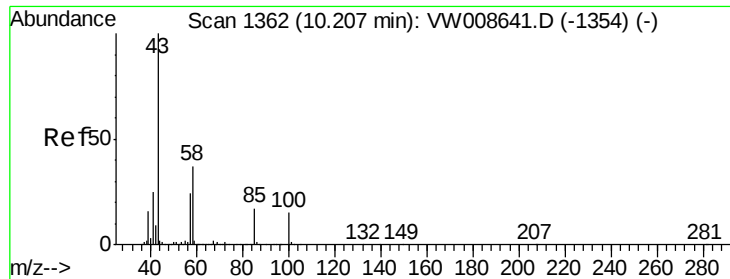
Tgt Ion: 88 Resp: 40261
Ion Ratio Lower Upper
88 100
43 38.8 31.0 46.6
58 71.3 57.0 85.6



#50
Toluene-d8
Concen: 56.889 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008641.D
Acq: 13 Feb 2019 15:37

Tgt Ion: 98 Resp: 862296
Ion Ratio Lower Upper
98 100
100 65.3 52.2 78.4

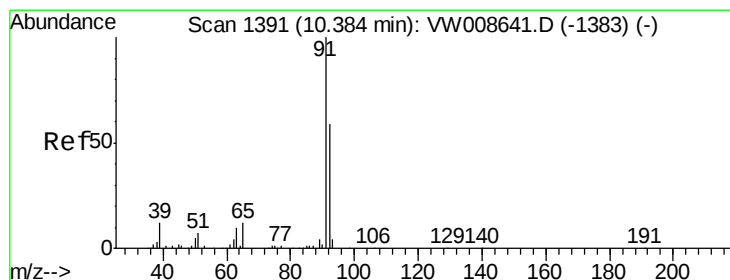
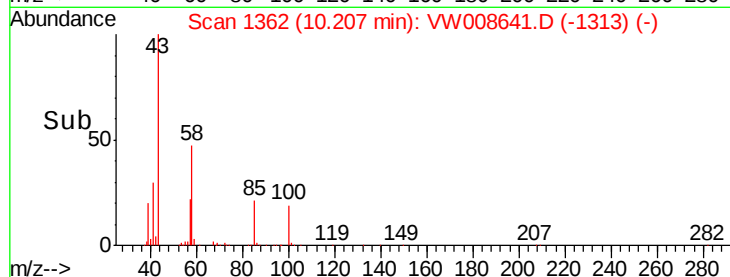
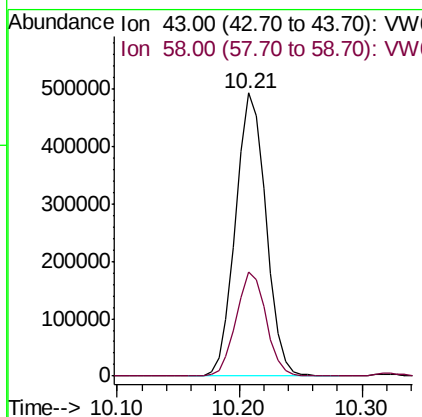
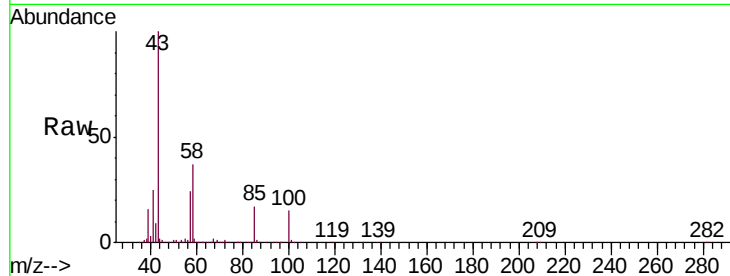




#51
 4-Methyl-2-Pentanone
 Concen: 270.446 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW008641.D
 Acq: 13 Feb 2019 15:37

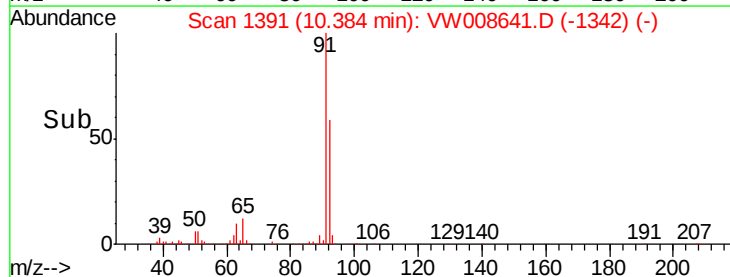
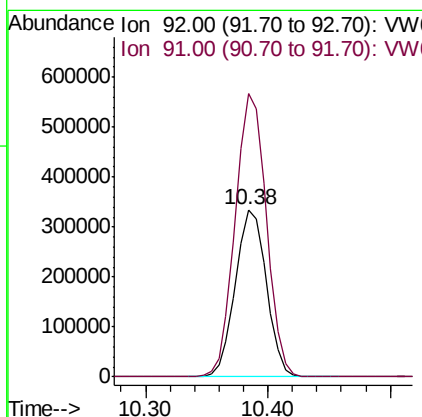
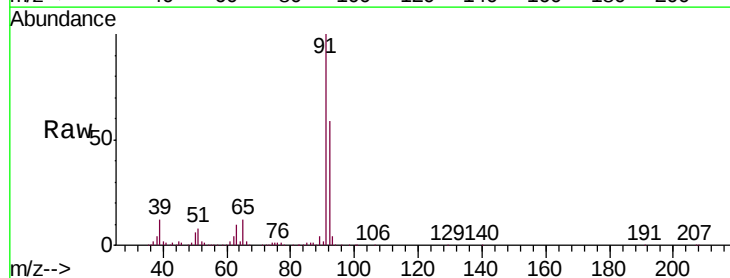
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

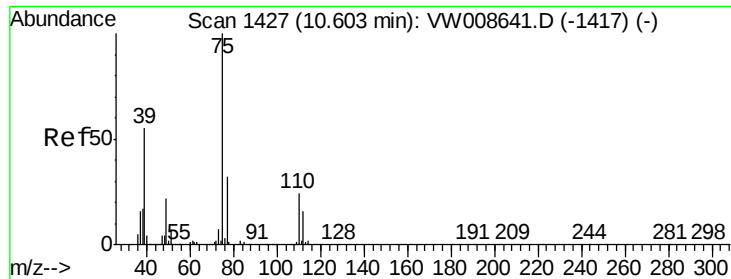
Tgt Ion: 43 Resp: 850158
 Ion Ratio Lower Upper
 43 100
 58 36.3 29.0 43.6



#52
 Toluene
 Concen: 52.569 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VW008641.D
 Acq: 13 Feb 2019 15:37

Tgt Ion: 92 Resp: 589263
 Ion Ratio Lower Upper
 92 100
 91 169.7 135.8 203.6





#53

t-1,3-Dichloropropene

Concen: 54.113 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008641.D

Acq: 13 Feb 2019 15:37

Instrument :

MSVOA_W

ClientSampleId :

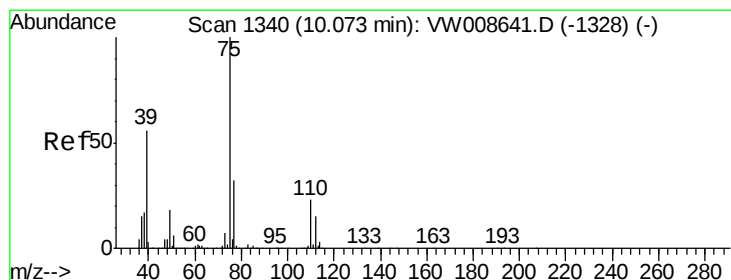
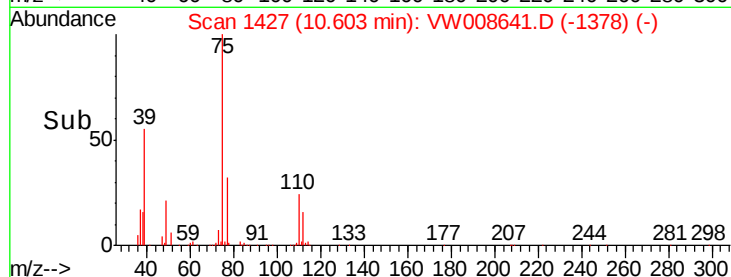
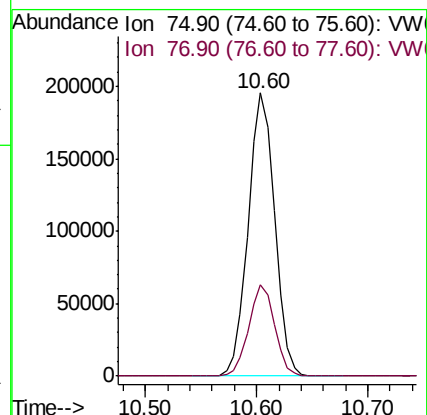
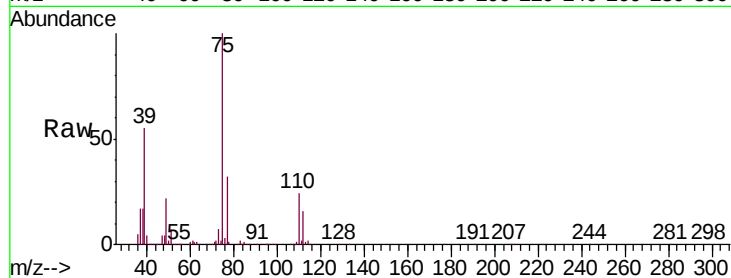
VSTDICCC050

Tgt Ion: 75 Resp: 323624

Ion Ratio Lower Upper

75 100

77 32.1 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 54.368 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008641.D

Acq: 13 Feb 2019 15:37

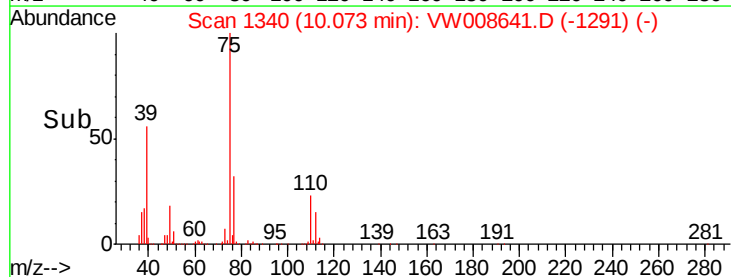
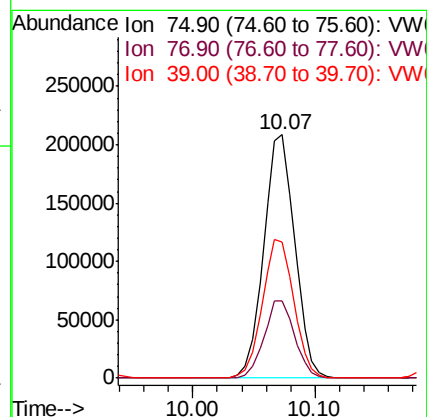
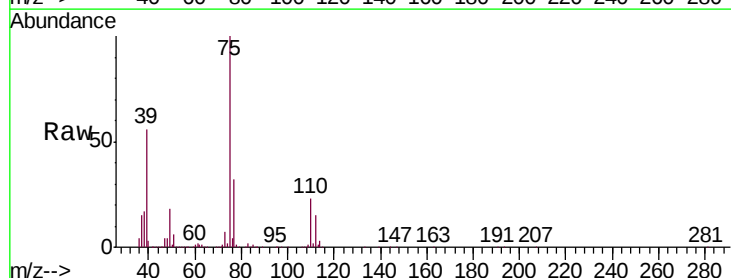
Tgt Ion: 75 Resp: 368592

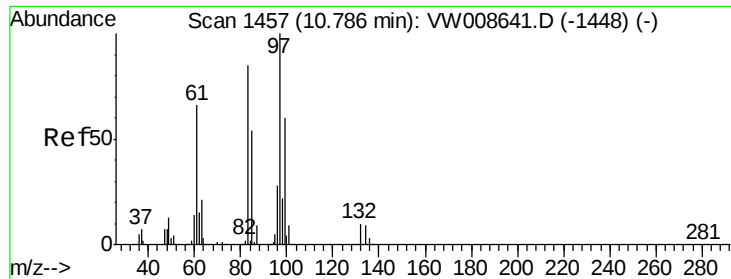
Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.0

39 55.6 44.5 66.7

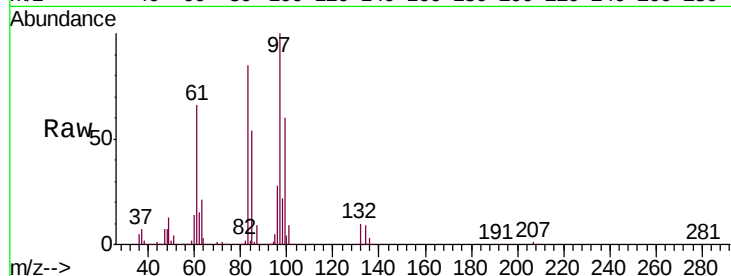




#55
 1,1,2-Trichloroethane
 Concen: 53.578 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008641.D
 Acq: 13 Feb 2019 15:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tgt Ion:	97	Resp:	174141
Ion	Ratio	Lower	Upper
97	100		
83	85.5	68.4	102.6
85	53.9	43.1	64.7
99	59.8	47.8	71.8



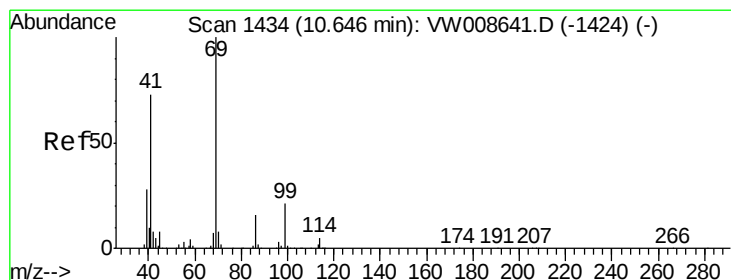
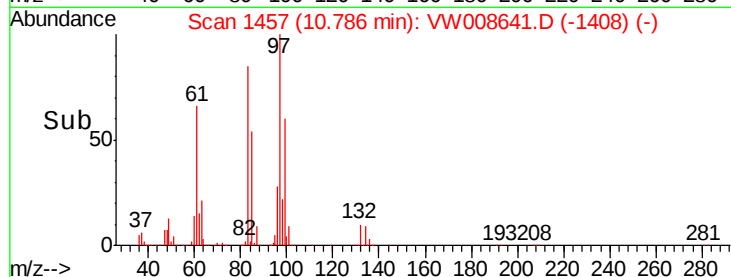
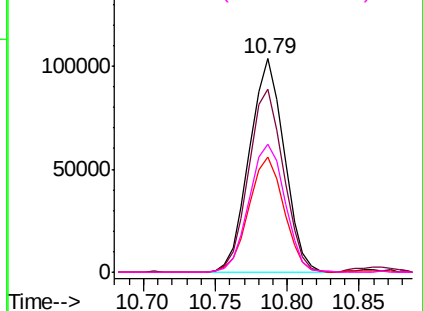
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

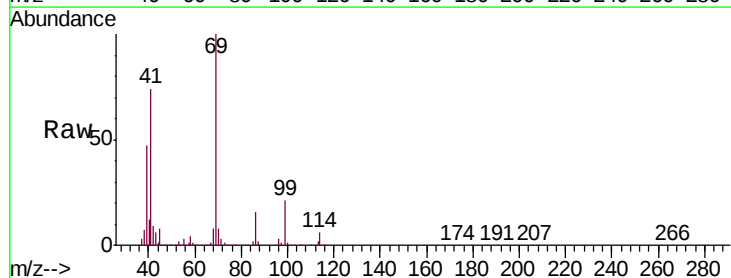
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 54.565 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008641.D
 Acq: 13 Feb 2019 15:37

Tgt Ion:	69	Resp:	235496
Ion	Ratio	Lower	Upper
69	100		
41	73.7	59.0	88.4
39	43.0	34.4	51.6

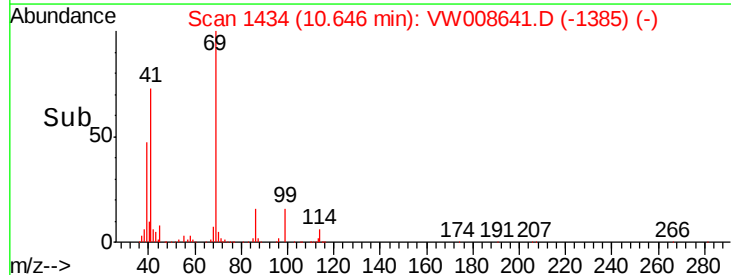
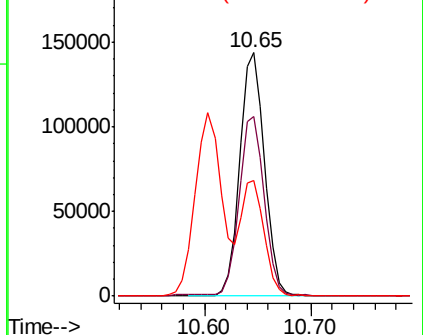


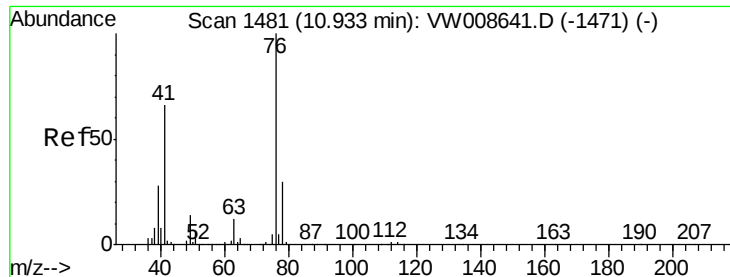
Abundance

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: 52.996 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW008641.D

Acq: 13 Feb 2019 15:37

Instrument :

MSVOA_W

ClientSampleId :

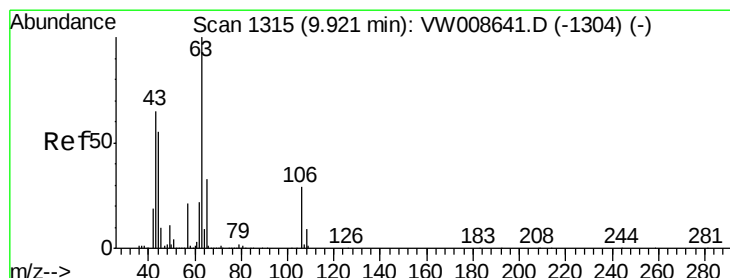
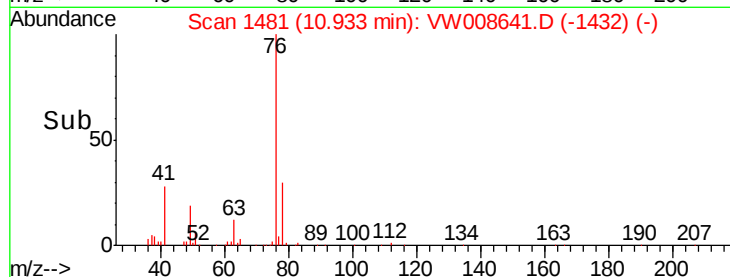
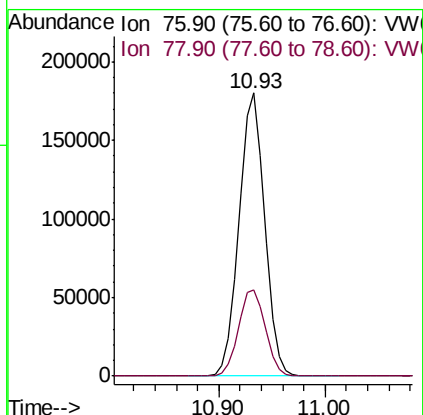
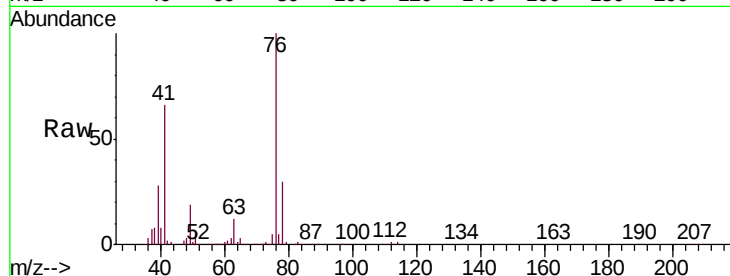
VSTDICCC050

Tgt Ion: 76 Resp: 305614

Ion Ratio Lower Upper

76 100

78 31.7 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 262.214 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW008641.D

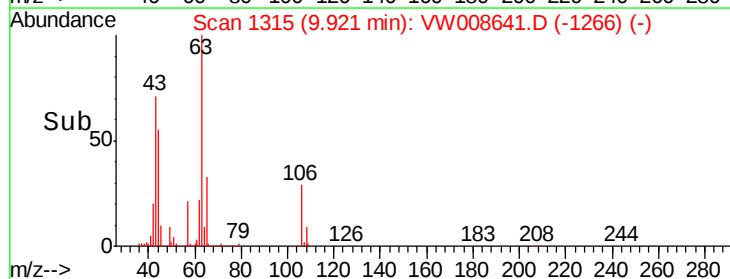
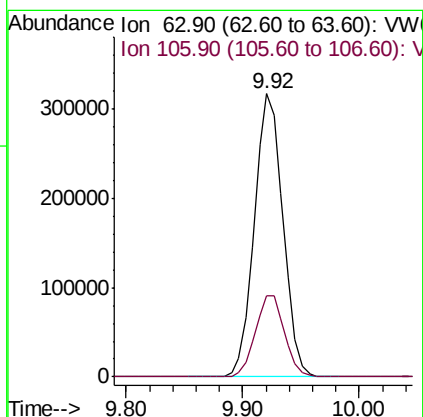
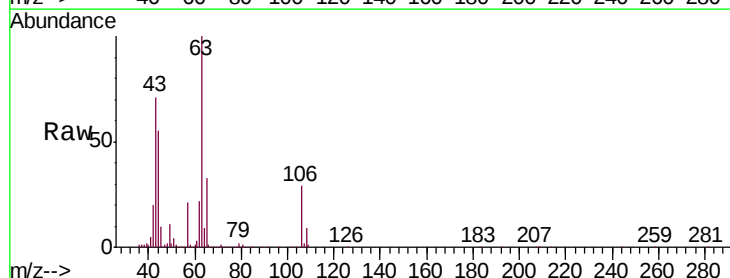
Acq: 13 Feb 2019 15:37

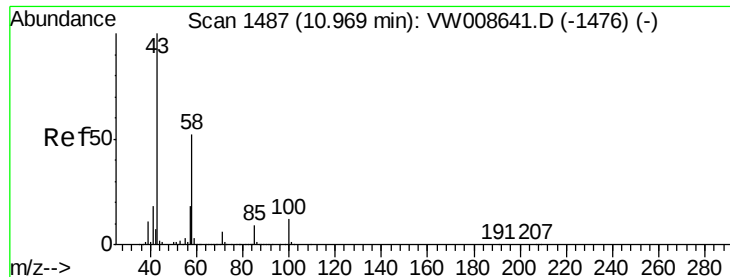
Tgt Ion: 63 Resp: 542874

Ion Ratio Lower Upper

63 100

106 29.3 23.4 35.2





#59

2-Hexanone

Concen: 271.842 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW008641.D

Acq: 13 Feb 2019 15:37

Instrument :

MSVOA_W

ClientSampleId :

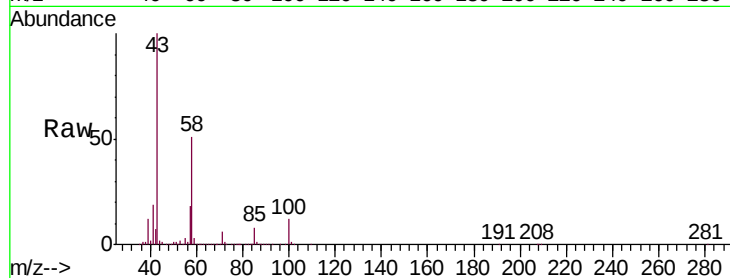
VSTDICCC050

Tgt Ion: 43 Resp: 600318

Ion Ratio Lower Upper

43 100

58 51.1 25.6 76.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.97

400000

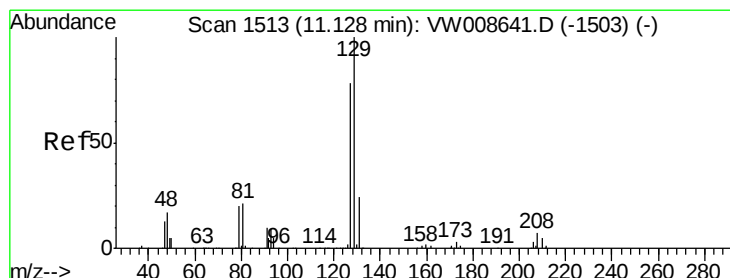
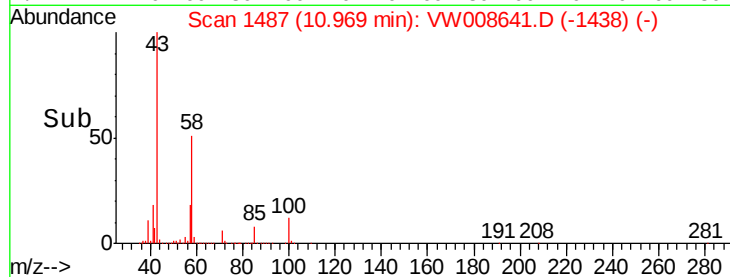
300000

200000

100000

0

Time-->



#60

Dibromochloromethane

Concen: 54.806 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW008641.D

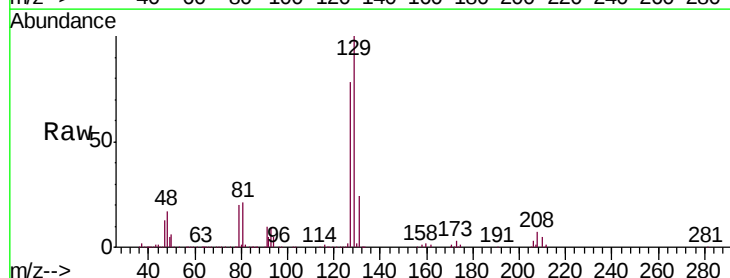
Acq: 13 Feb 2019 15:37

Tgt Ion: 129 Resp: 213140

Ion Ratio Lower Upper

129 100

127 76.9 38.5 115.3



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

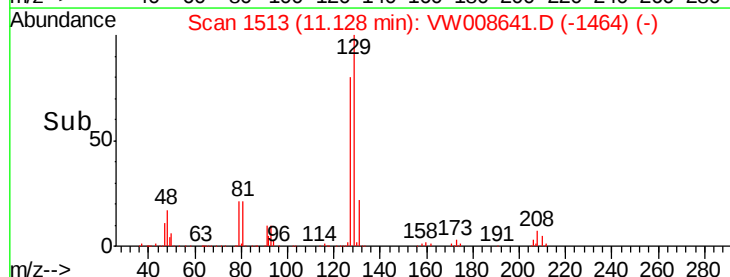
11.13

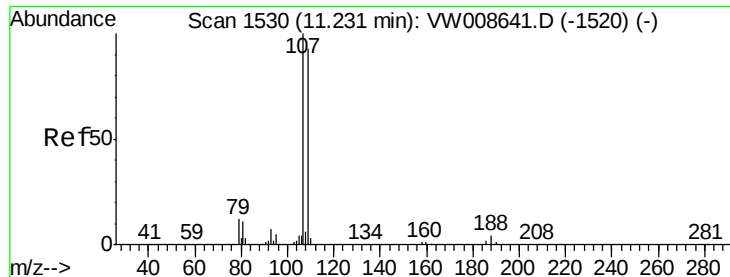
100000

50000

0

Time-->

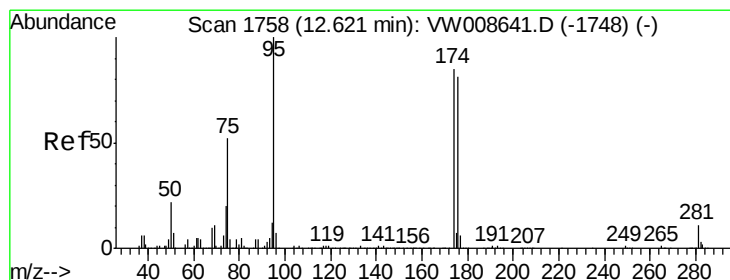
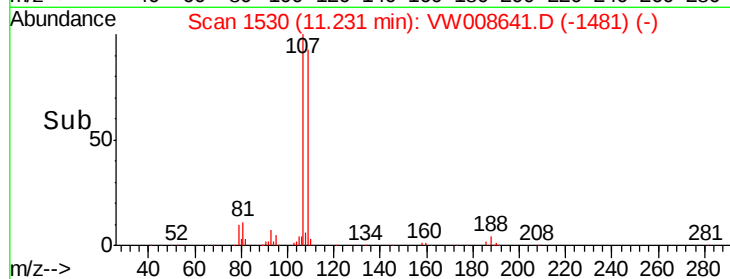
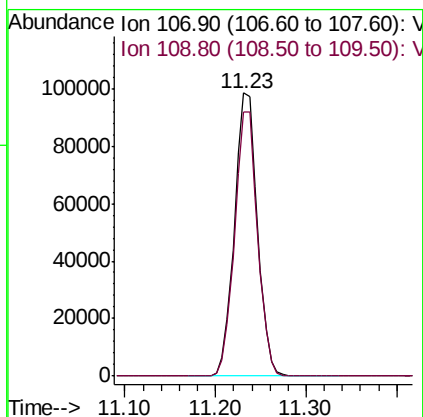
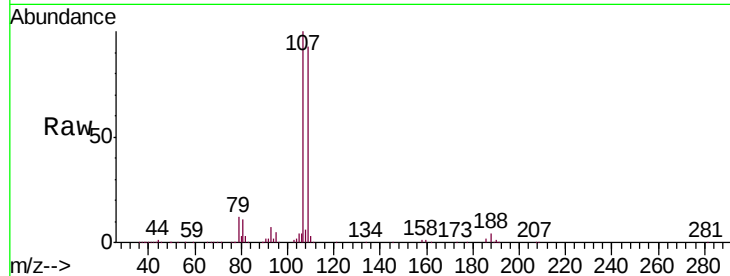




#61
 1,2-Dibromoethane
 Concen: 53.892 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW008641.D
 Acq: 13 Feb 2019 15:37

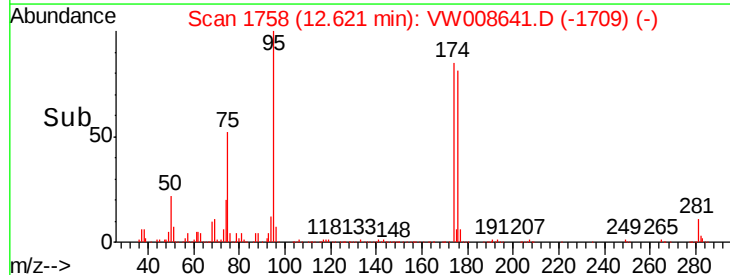
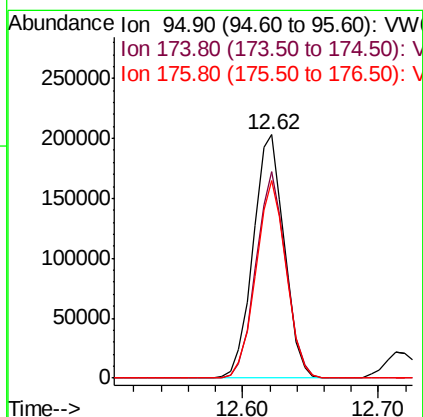
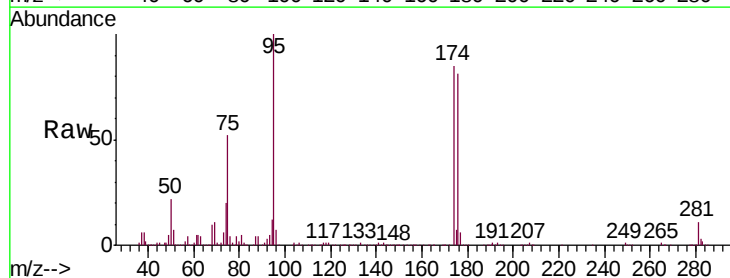
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

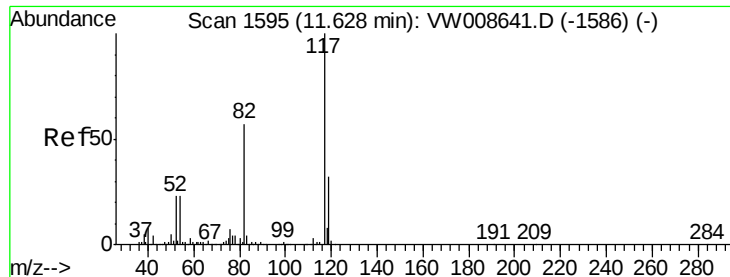
Tgt Ion: 107 Resp: 172464
 Ion Ratio Lower Upper
 107 100
 109 93.5 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 57.133 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW008641.D
 Acq: 13 Feb 2019 15:37

Tgt Ion: 95 Resp: 326191
 Ion Ratio Lower Upper
 95 100
 174 81.6 0.0 163.2
 176 79.0 0.0 158.0

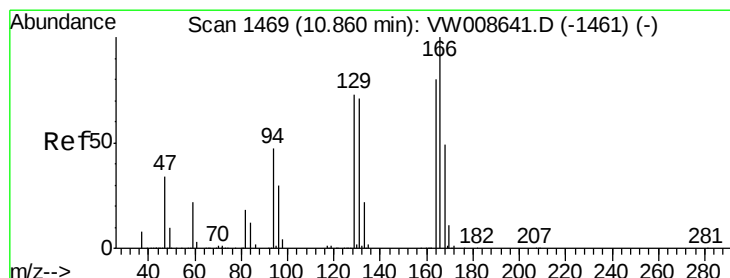
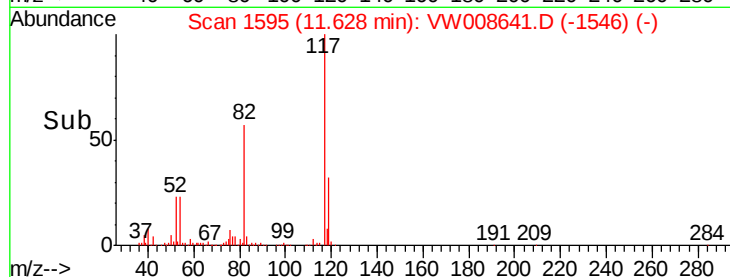
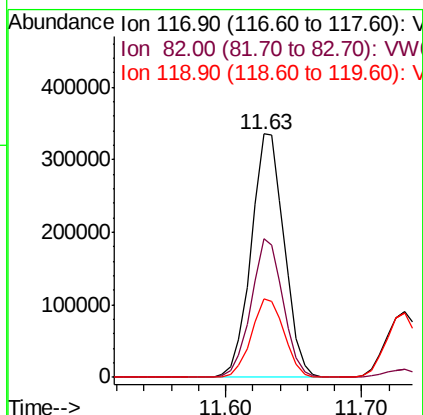
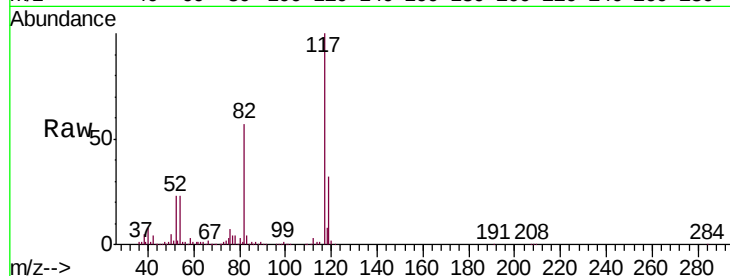




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW008641.D
Acq: 13 Feb 2019 15:37

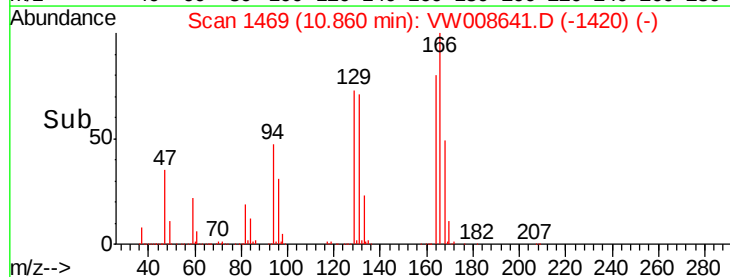
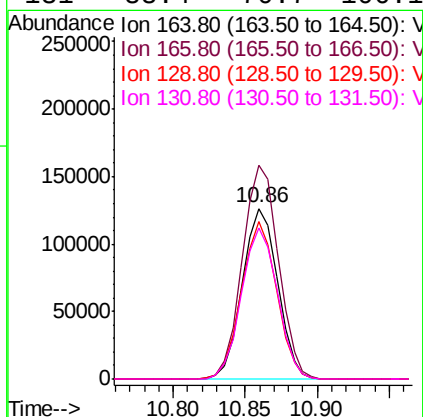
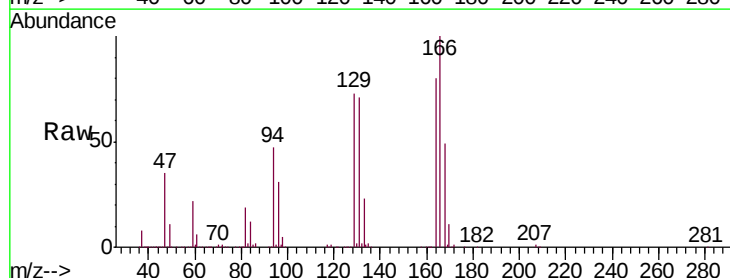
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

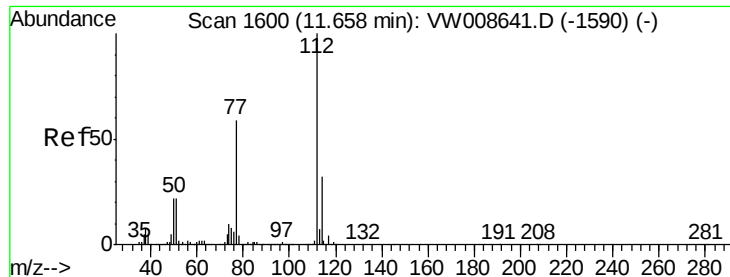
Tgt Ion:117 Resp: 571992
Ion Ratio Lower Upper
117 100
82 57.0 45.6 68.4
119 32.1 25.7 38.5



#64
Tetrachloroethene
Concen: 50.447 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW008641.D
Acq: 13 Feb 2019 15:37

Tgt Ion:164 Resp: 214579
Ion Ratio Lower Upper
164 100
166 125.2 100.2 150.2
129 92.0 73.6 110.4
131 88.4 70.7 106.1

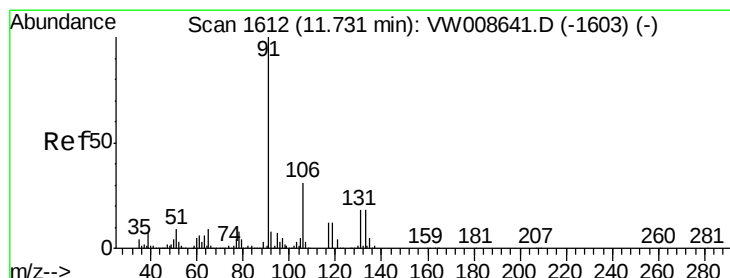
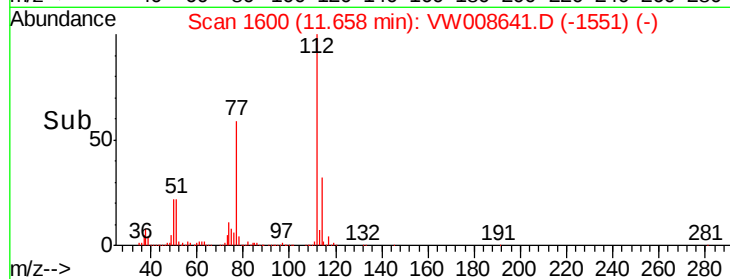
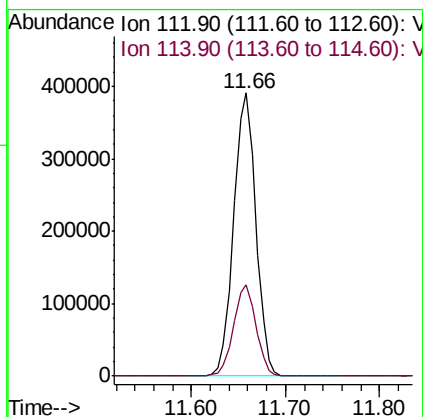
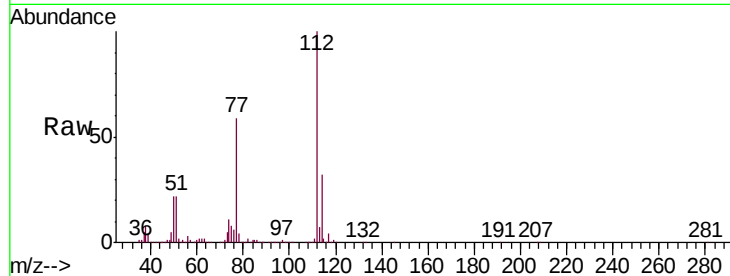




#65
Chlorobenzene
Concen: 51.671 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW008641.D
Acq: 13 Feb 2019 15:37

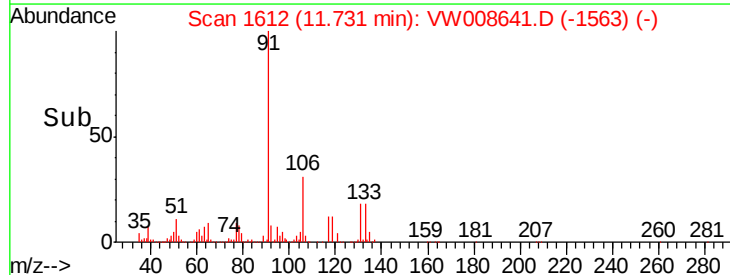
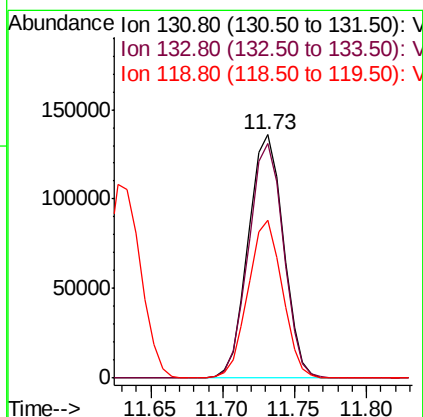
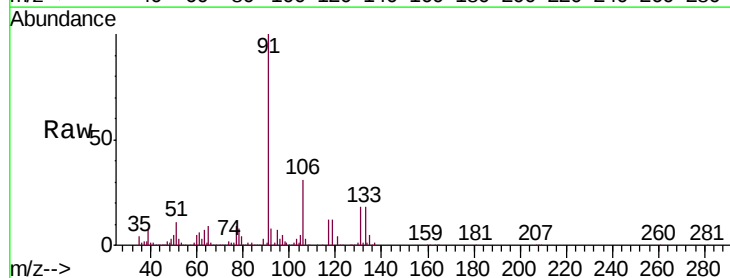
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

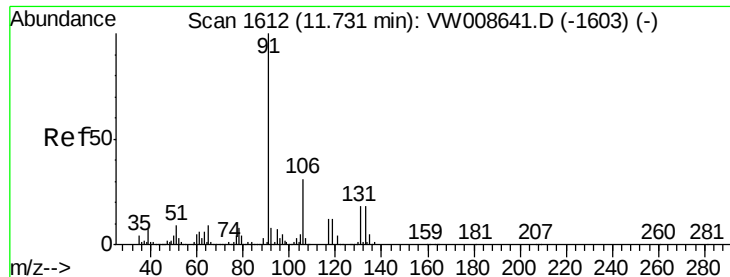
Tgt Ion:112 Resp: 637021
Ion Ratio Lower Upper
112 100
114 32.1 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 52.696 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008641.D
Acq: 13 Feb 2019 15:37

Tgt Ion:131 Resp: 230146
Ion Ratio Lower Upper
131 100
133 95.6 47.8 143.4
119 63.2 31.6 94.8

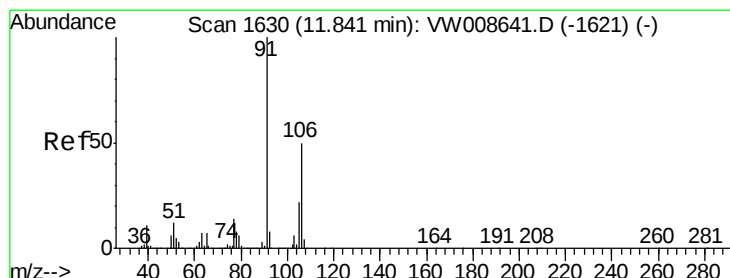
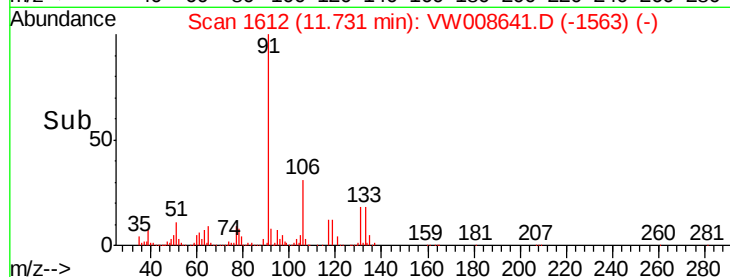
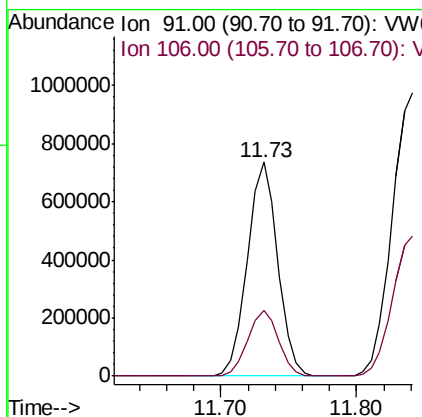
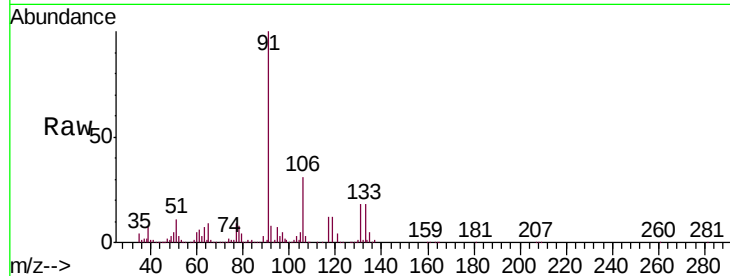




#67
Ethyl Benzene
Concen: 52.398 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008641.D
Acq: 13 Feb 2019 15:37

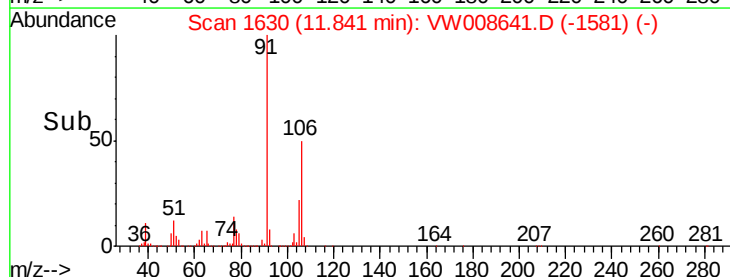
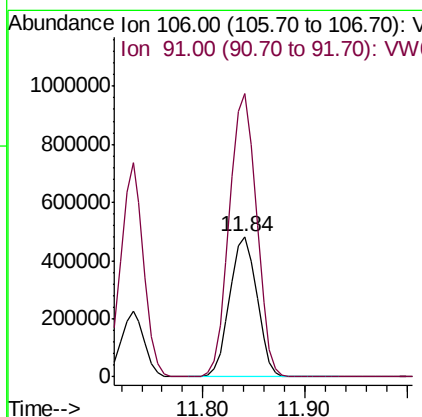
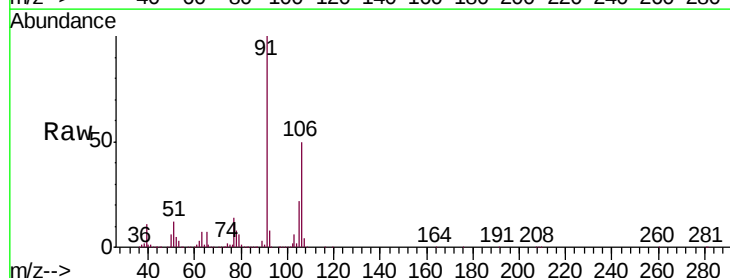
Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

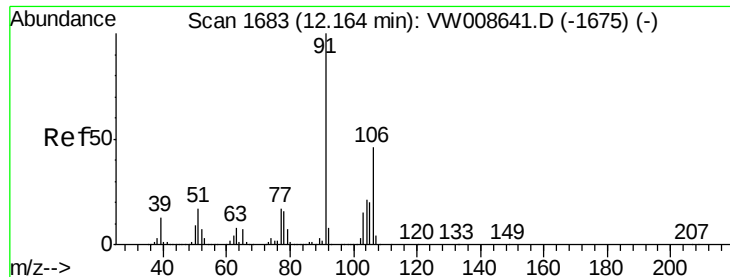
Tgt Ion: 91 Resp: 1150700
Ion Ratio Lower Upper
91 100
106 30.6 24.5 36.7



#68
m/p-Xylenes
Concen: 104.751 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008641.D
Acq: 13 Feb 2019 15:37

Tgt Ion: 106 Resp: 895070
Ion Ratio Lower Upper
106 100
91 201.2 161.0 241.4

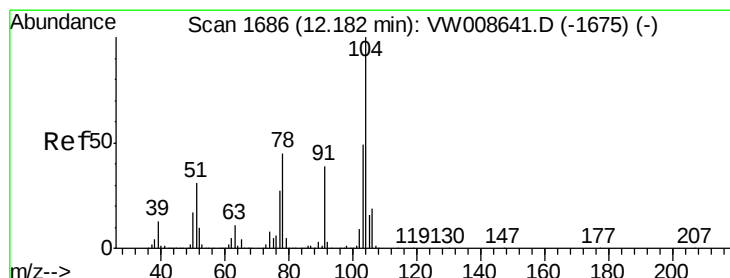
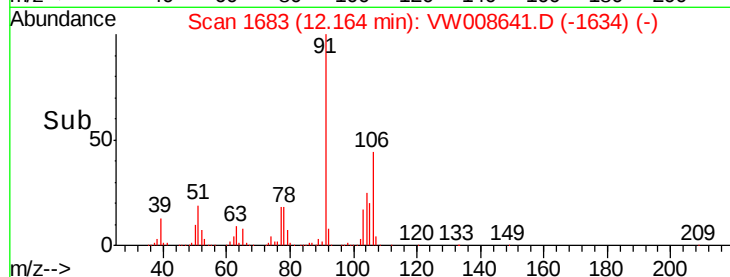
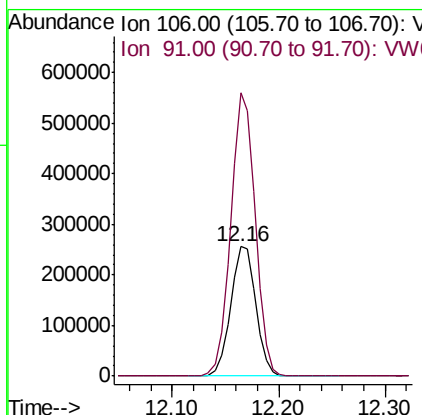
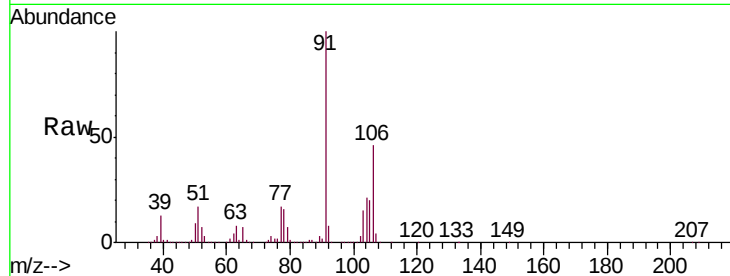




#69
o-Xylene
Concen: 52.330 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW008641.D
Acq: 13 Feb 2019 15:37

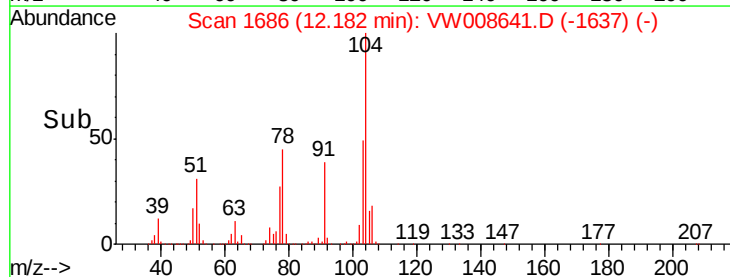
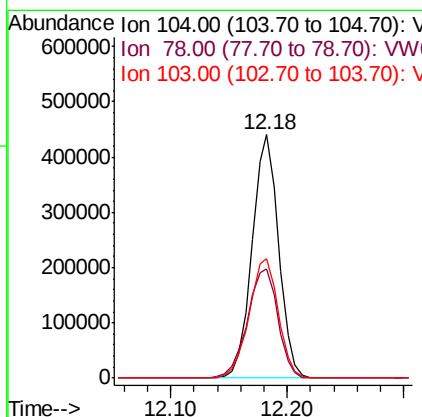
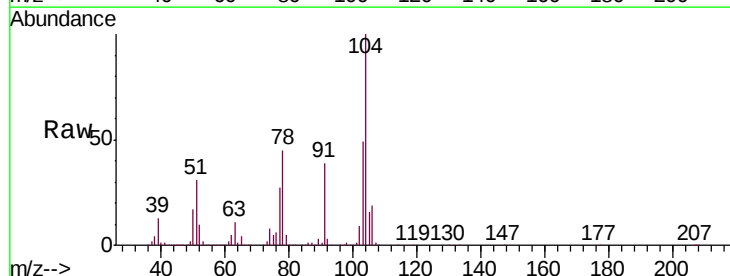
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

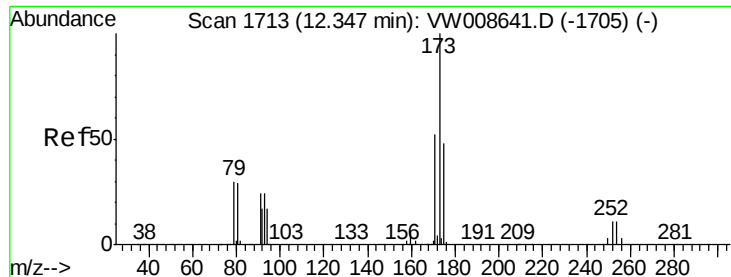
Tgt Ion:106 Resp: 422665
Ion Ratio Lower Upper
106 100
91 213.4 106.7 320.1



#70
Styrene
Concen: 52.848 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008641.D
Acq: 13 Feb 2019 15:37

Tgt Ion:104 Resp: 697189
Ion Ratio Lower Upper
104 100
78 51.9 41.5 62.3
103 54.4 43.5 65.3

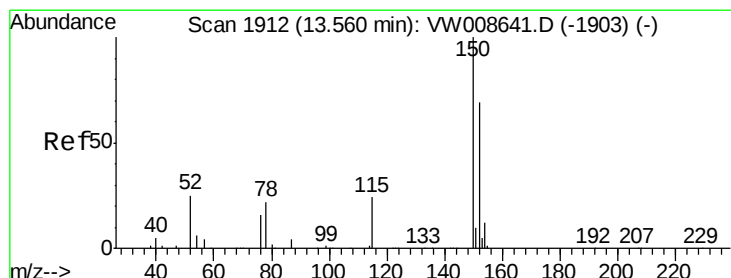
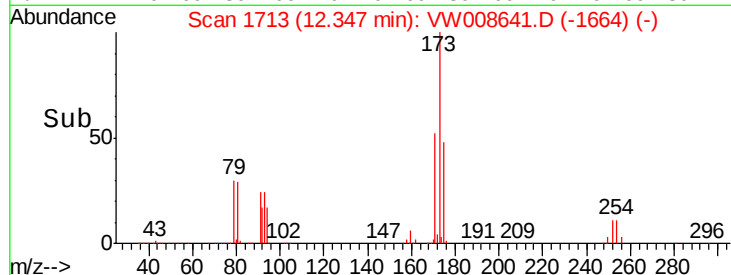
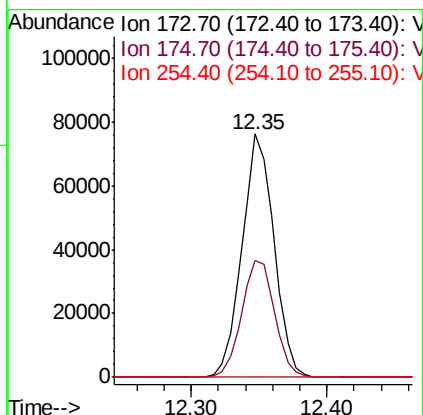
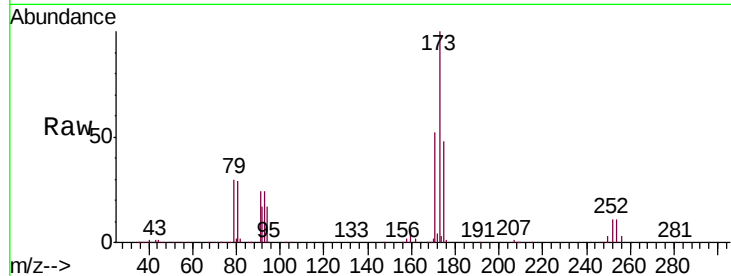




#71
Bromoform
Concen: 53.164 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW008641.D
Acq: 13 Feb 2019 15:37

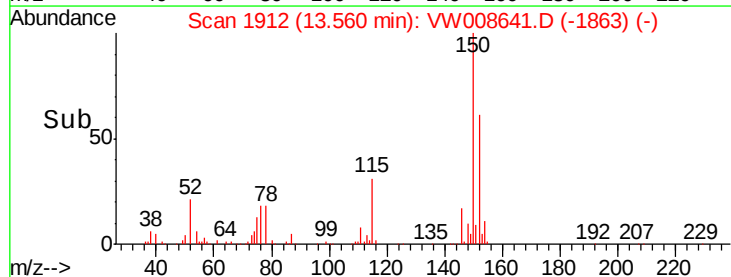
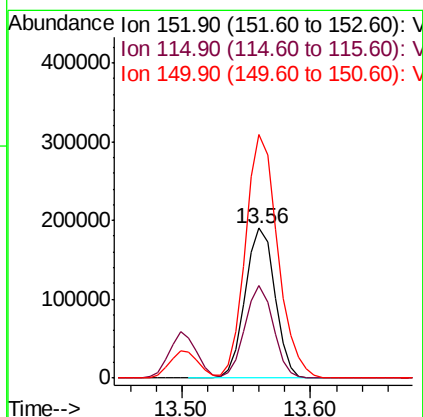
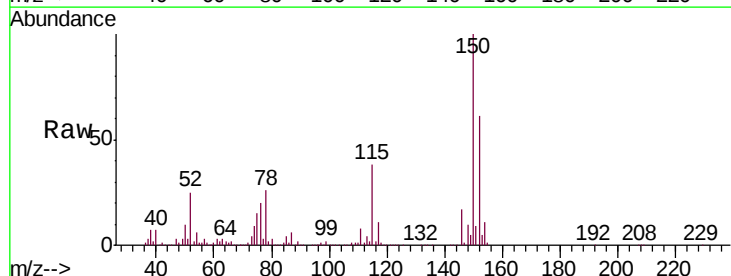
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

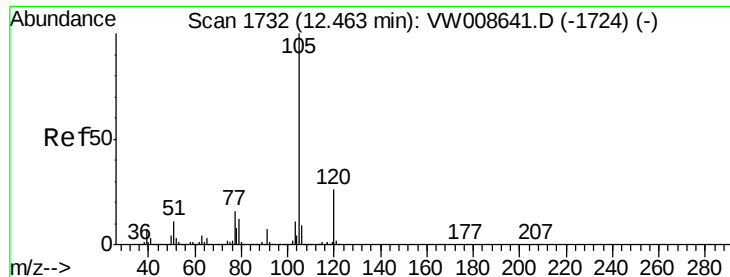
Tgt Ion:173 Resp: 125106
Ion Ratio Lower Upper
173 100
175 49.8 24.9 74.7
254 0.1 0.1 0.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008641.D
Acq: 13 Feb 2019 15:37

Tgt Ion:152 Resp: 302339
Ion Ratio Lower Upper
152 100
115 58.5 29.3 87.8
150 176.4 0.0 352.8





#73

Isopropylbenzene

Concen: 51.880 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW008641.D

Acq: 13 Feb 2019 15:37

Instrument :

MSVOA_W

ClientSampleId :

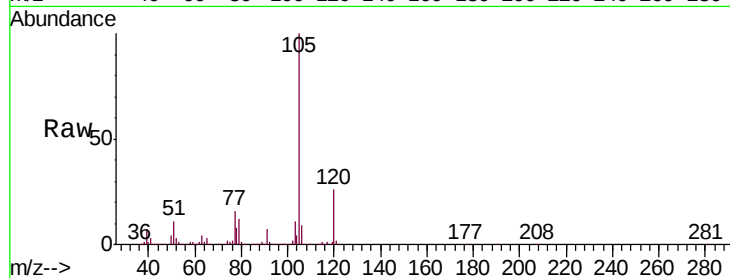
VSTDICCC050

Tgt Ion: 105 Resp: 1168380

Ion Ratio Lower Upper

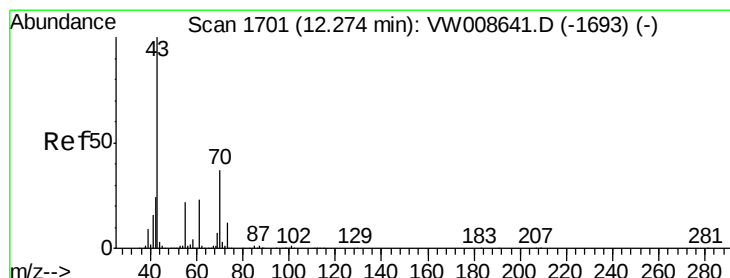
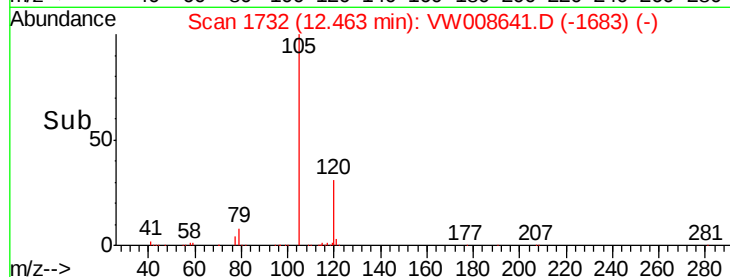
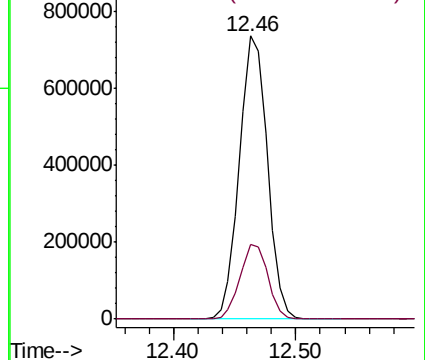
105 100

120 26.4 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 54.102 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008641.D

Acq: 13 Feb 2019 15:37

Tgt Ion: 43 Resp: 329481

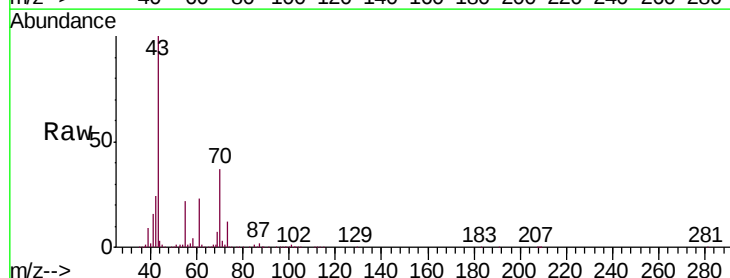
Ion Ratio Lower Upper

43 100

70 38.1 30.5 45.7

55 22.0 17.6 26.4

61 22.4 17.9 26.9

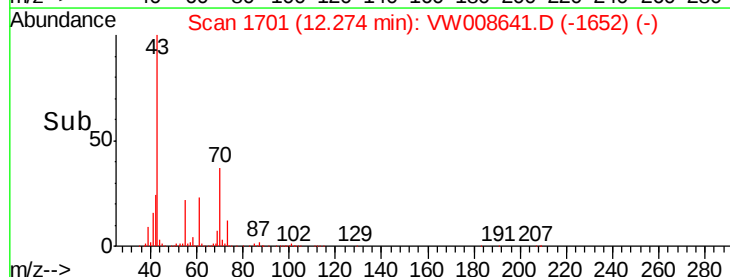
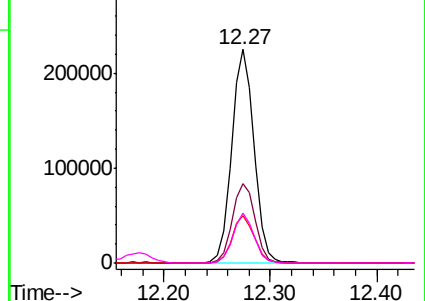


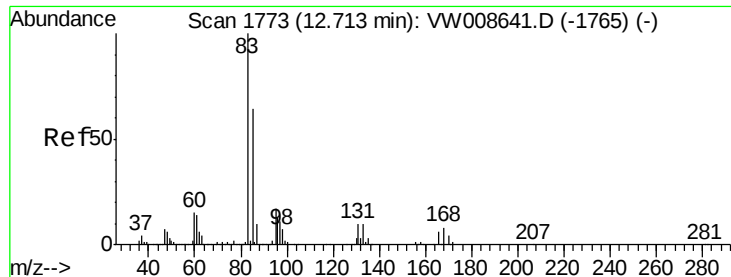
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 53.225 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW008641.D

Acq: 13 Feb 2019 15:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

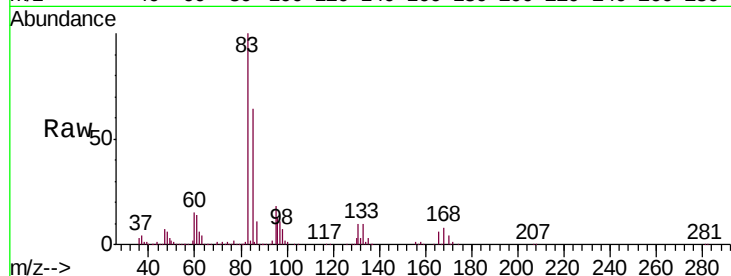
Tgt Ion: 83 Resp: 208550

Ion Ratio Lower Upper

83 100

131 11.1 5.5 16.7

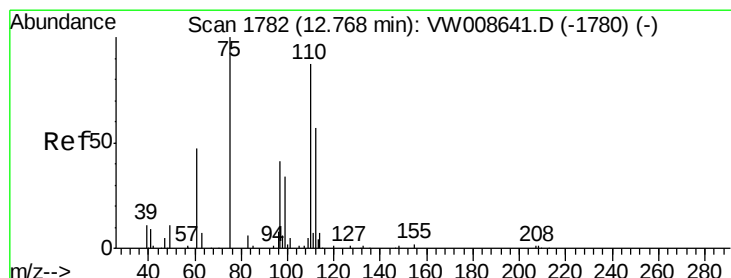
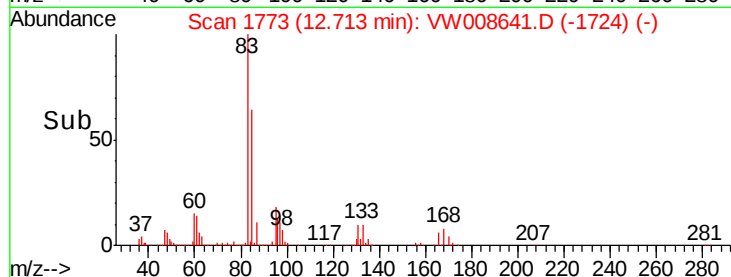
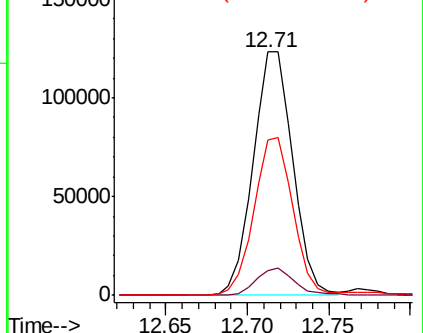
85 63.5 31.8 95.3



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 78.711 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW008641.D

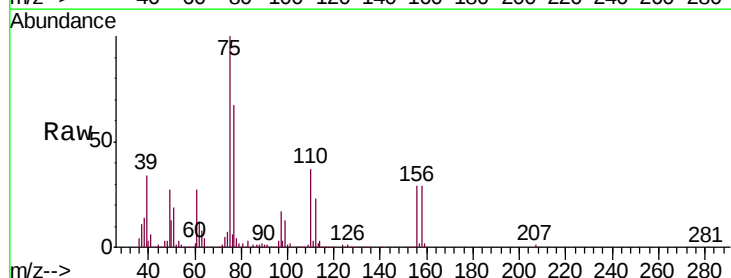
Acq: 13 Feb 2019 15:37

Tgt Ion: 75 Resp: 284028

Ion Ratio Lower Upper

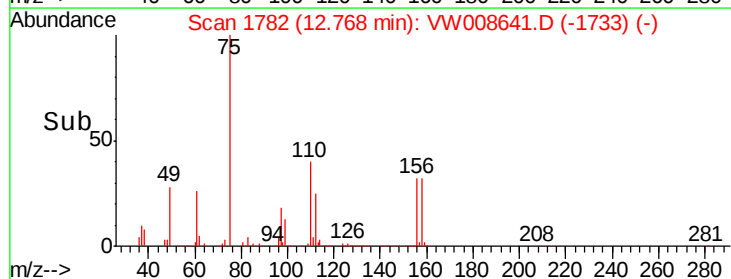
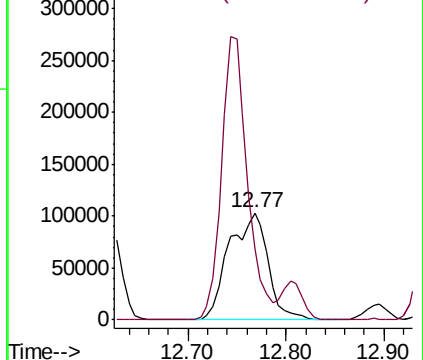
75 100

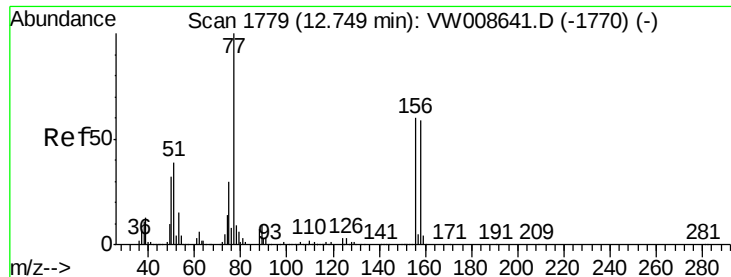
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 51.849 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008641.D

Acq: 13 Feb 2019 15:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

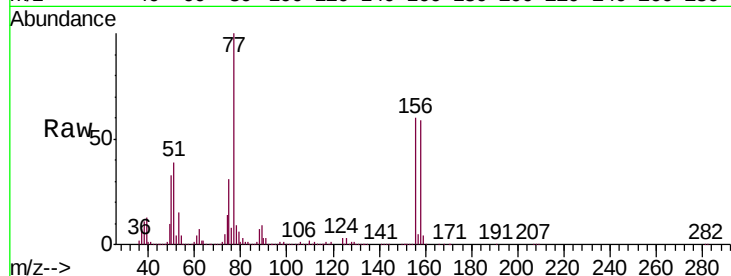
Tgt Ion:156 Resp: 268411

Ion Ratio Lower Upper

156 100

77 186.3 93.2 279.5

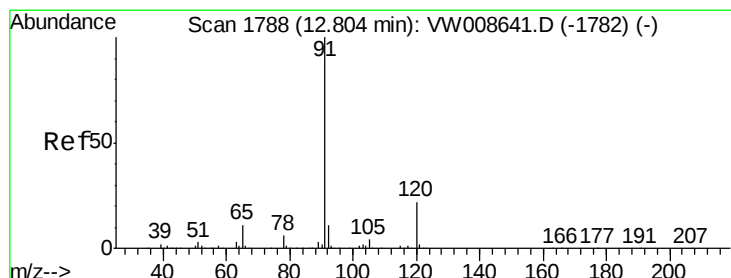
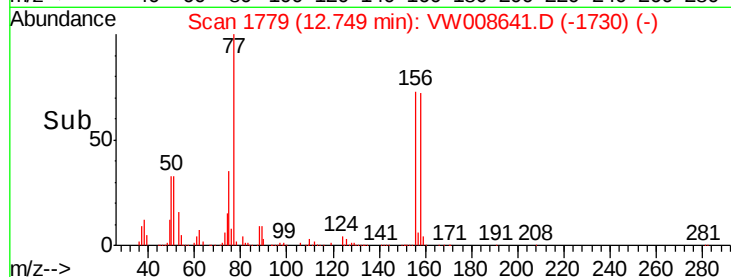
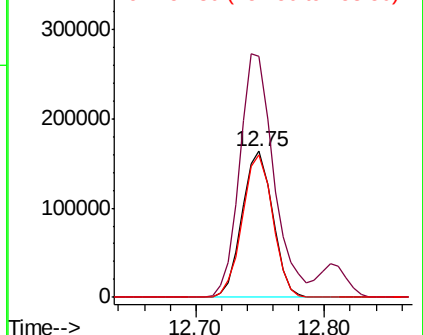
158 97.0 48.5 145.5



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: 52.451 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW008641.D

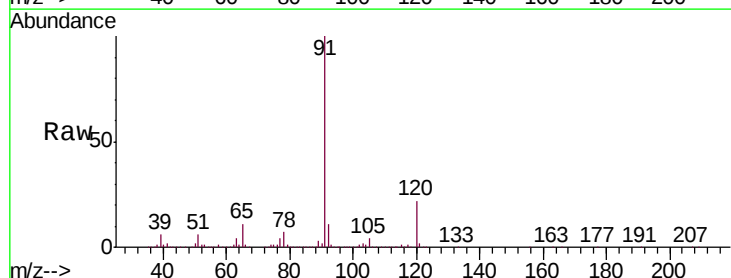
Acq: 13 Feb 2019 15:37

Tgt Ion: 91 Resp: 1403507

Ion Ratio Lower Upper

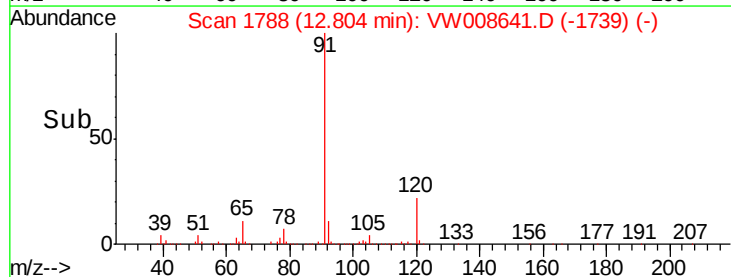
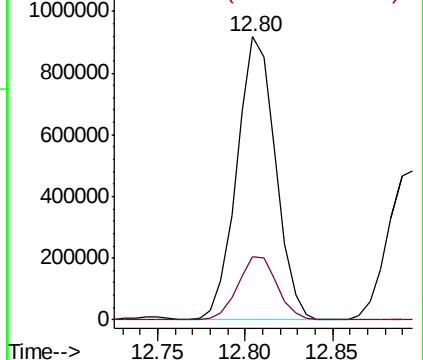
91 100

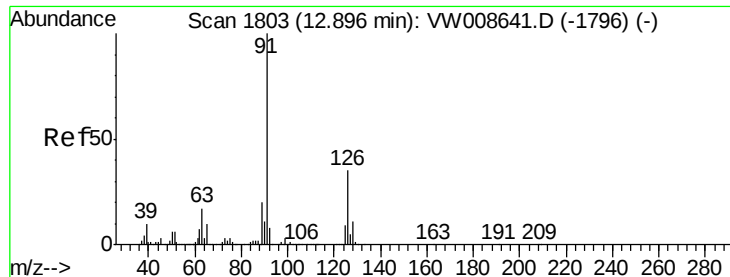
120 22.8 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.125 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW008641.D

Acq: 13 Feb 2019 15:37

Instrument :

MSVOA_W

ClientSampleId :

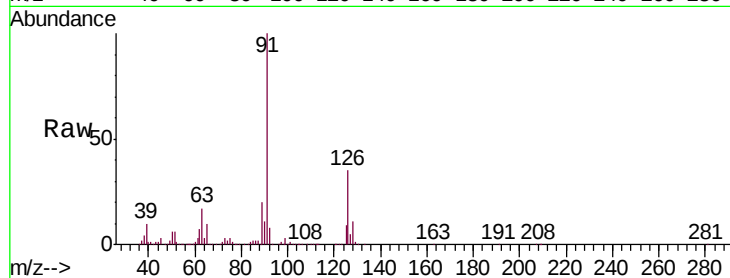
VSTDICCC050

Tgt Ion: 91 Resp: 788286

Ion Ratio Lower Upper

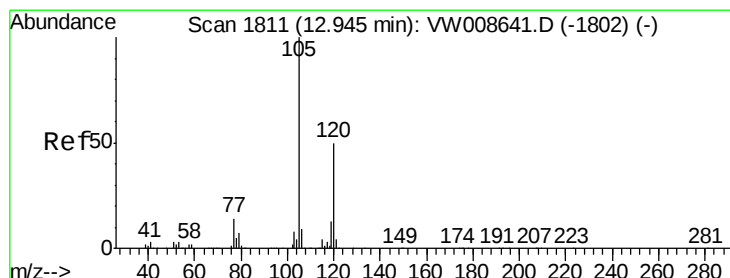
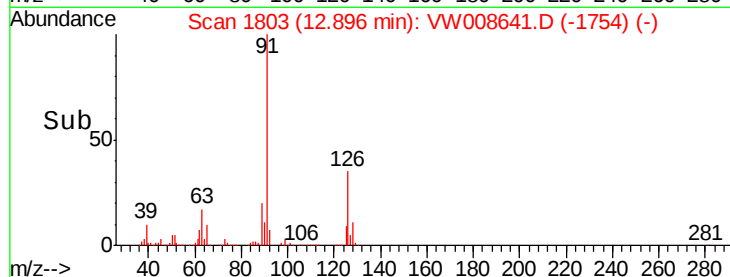
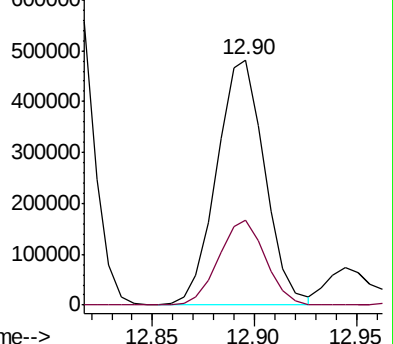
91 100

126 33.9 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: 52.598 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008641.D

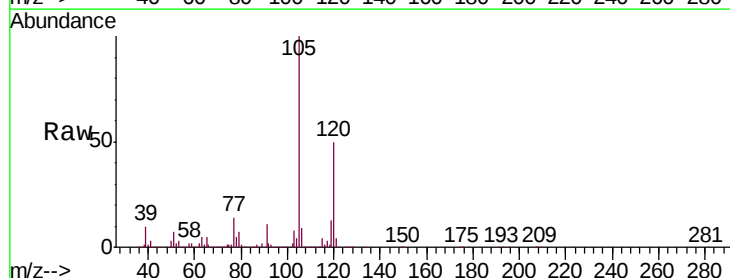
Acq: 13 Feb 2019 15:37

Tgt Ion: 105 Resp: 983888

Ion Ratio Lower Upper

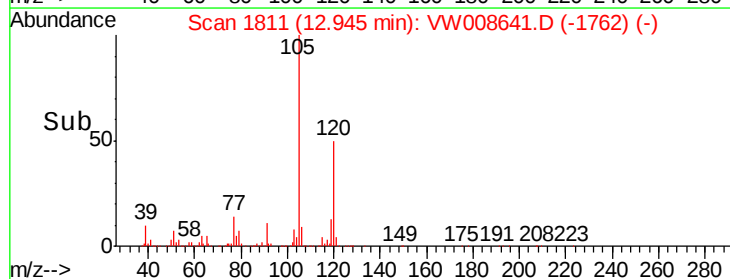
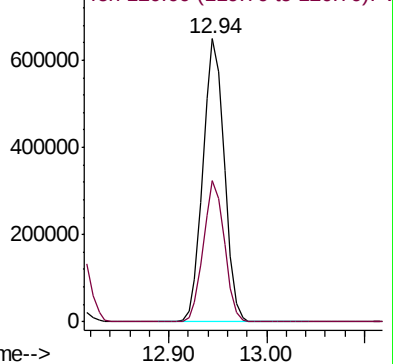
105 100

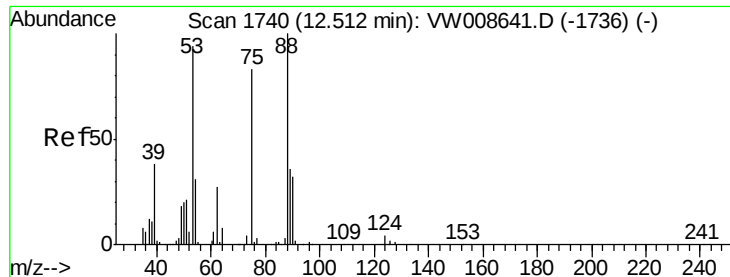
120 49.2 24.6 73.8



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: 54.949 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW008641.D

Acq: 13 Feb 2019 15:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

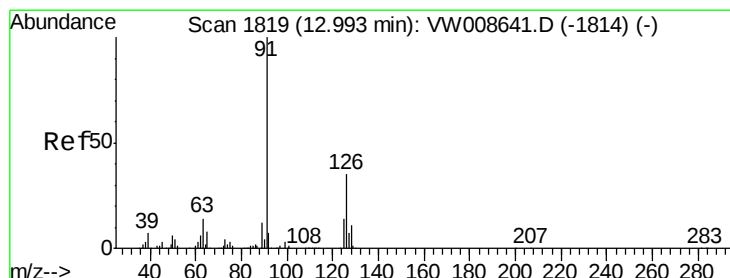
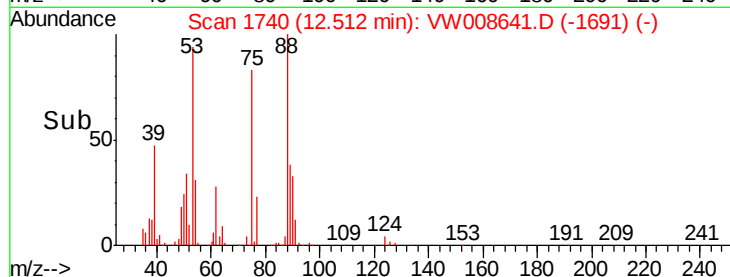
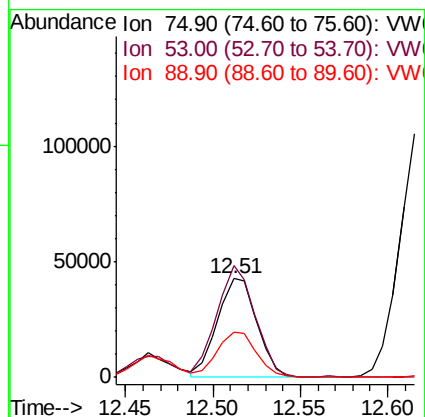
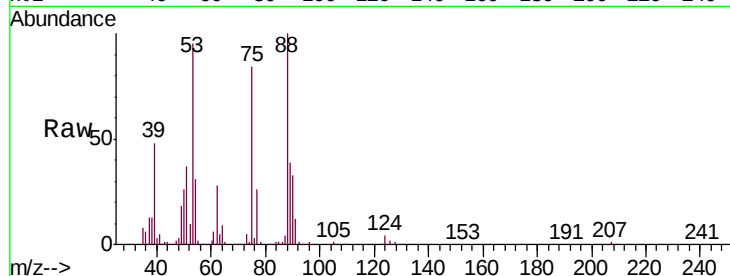
Tgt Ion: 75 Resp: 67111

Ion Ratio Lower Upper

75 100

53 109.2 87.4 131.0

89 46.2 37.0 55.4



#82

4-Chlorotoluene

Concen: 52.592 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW008641.D

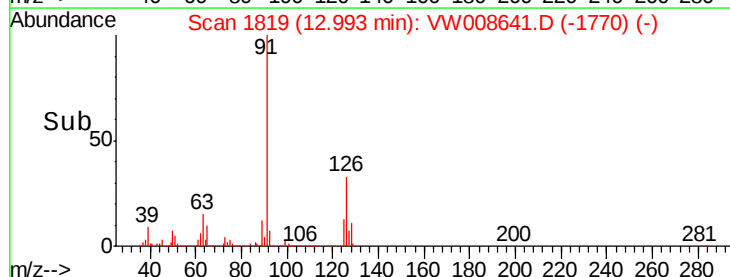
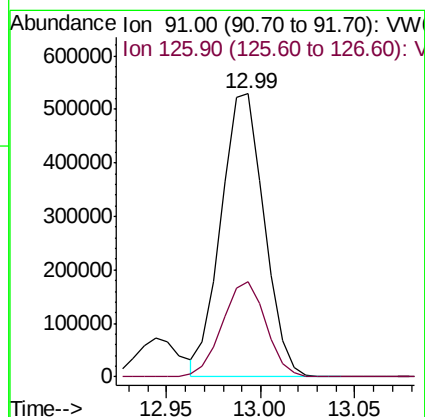
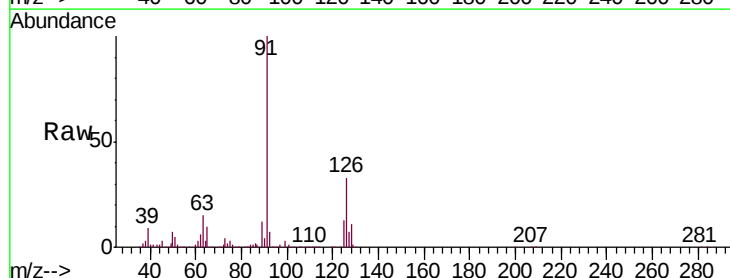
Acq: 13 Feb 2019 15:37

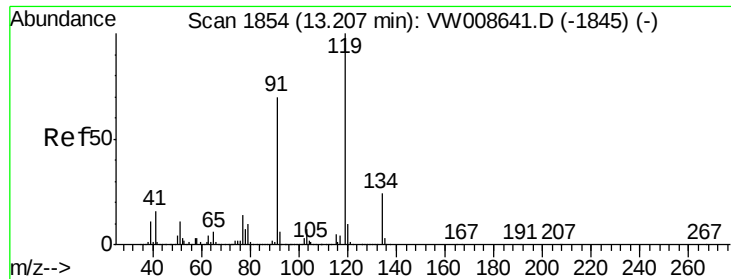
Tgt Ion: 91 Resp: 842891

Ion Ratio Lower Upper

91 100

126 33.8 16.9 50.7

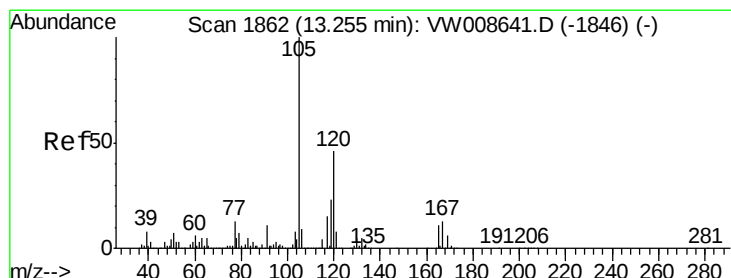
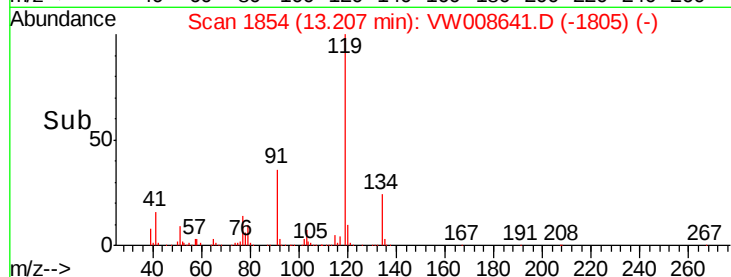
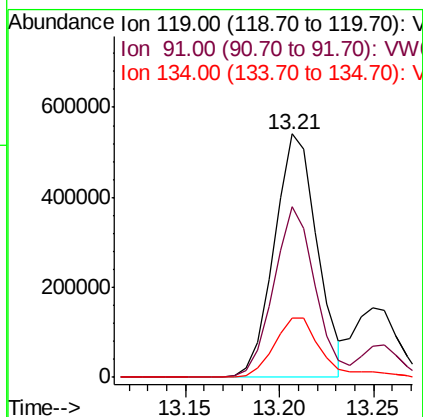
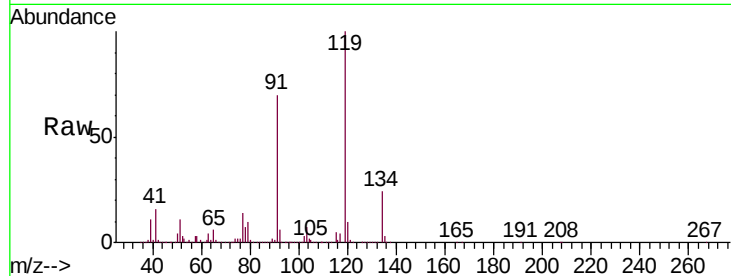




#83
 tert-Butylbenzene
 Concen: 52.597 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW008641.D
 Acq: 13 Feb 2019 15:37

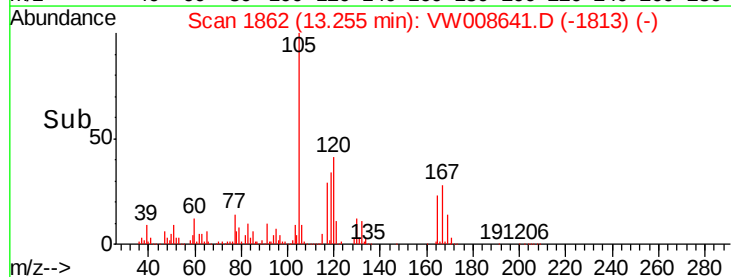
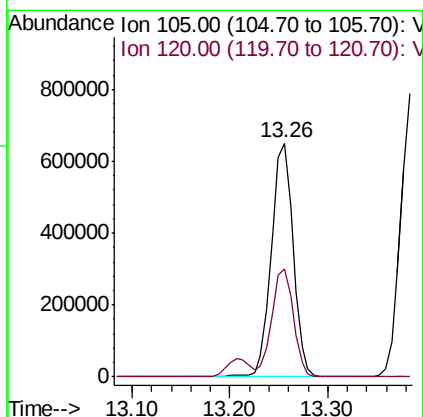
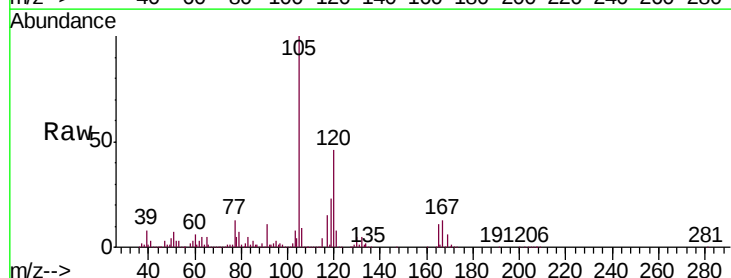
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

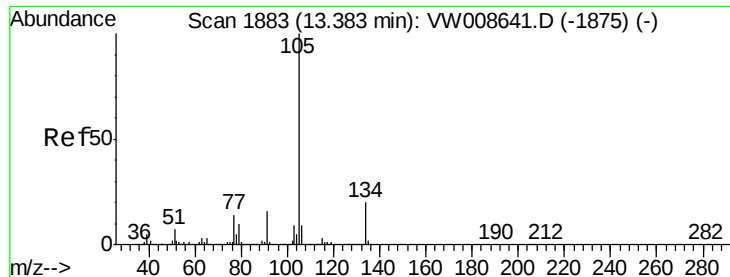
Tgt Ion:119 Resp: 854314
 Ion Ratio Lower Upper
 119 100
 91 68.0 34.0 102.0
 134 27.2 13.6 40.8



#84
 1,2,4-Trimethylbenzene
 Concen: 52.551 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW008641.D
 Acq: 13 Feb 2019 15:37

Tgt Ion:105 Resp: 1010345
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.9 68.8

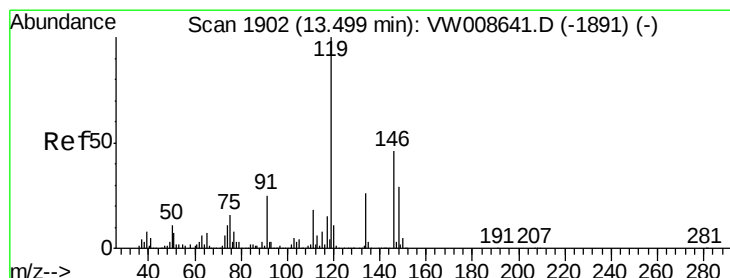
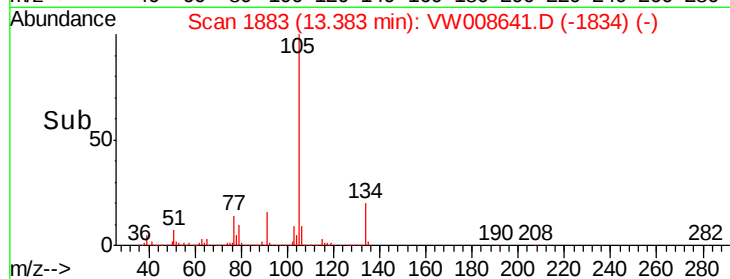
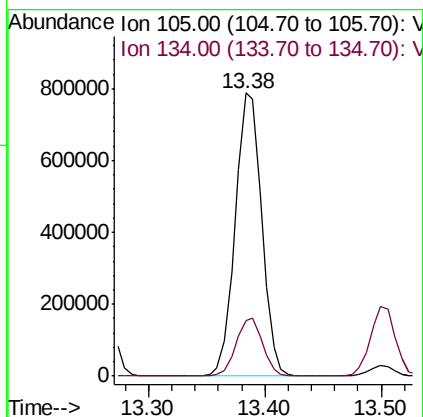
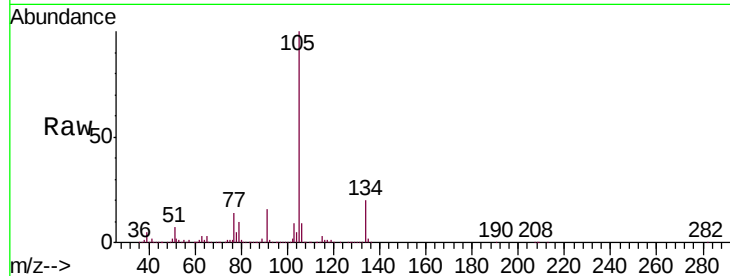




#85
 sec-Butylbenzene
 Concen: 52.798 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW008641.D
 Acq: 13 Feb 2019 15:37

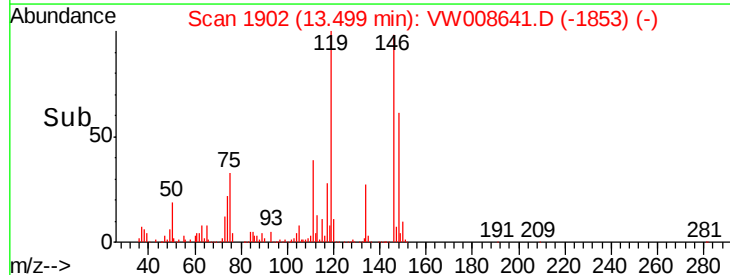
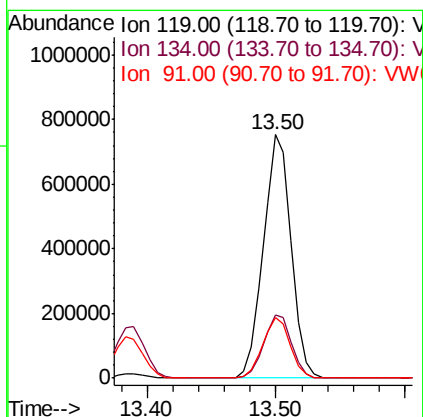
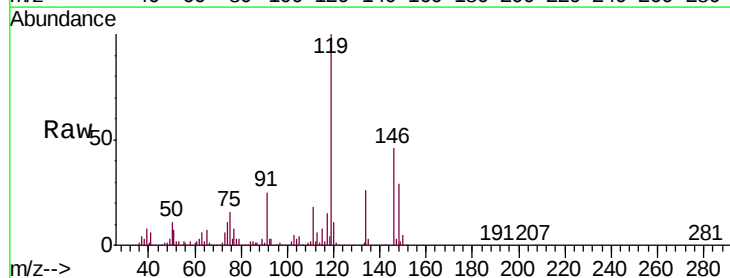
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

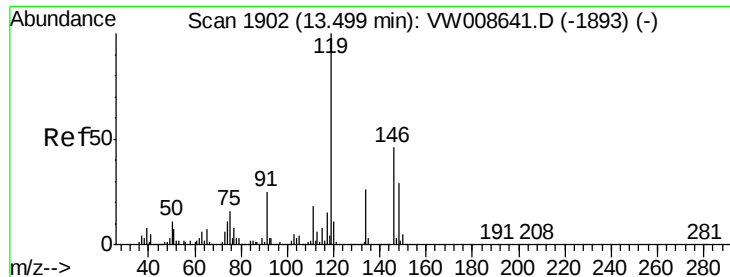
Tgt Ion:105 Resp: 1248701
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 52.869 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW008641.D
 Acq: 13 Feb 2019 15:37

Tgt Ion:119 Resp: 1118592
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.0 39.0
 91 24.6 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 52.878 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW008641.D

Acq: 13 Feb 2019 15:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

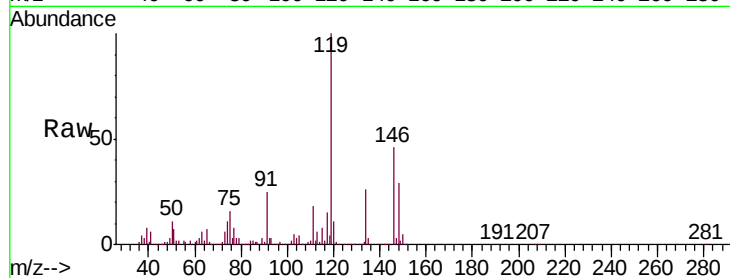
Tgt Ion:146 Resp: 554926

Ion Ratio Lower Upper

146 100

111 38.7 19.4 58.1

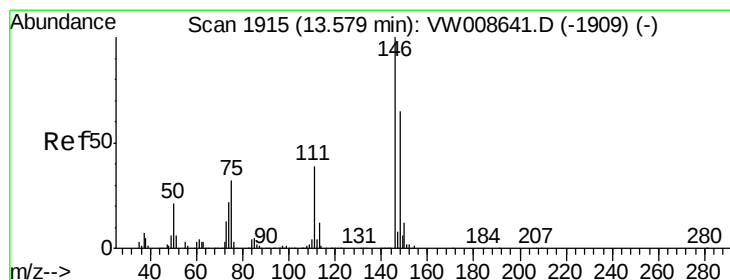
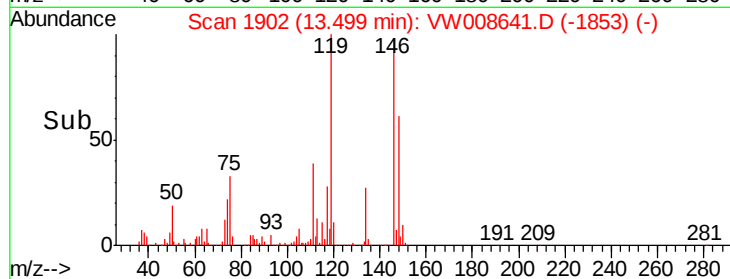
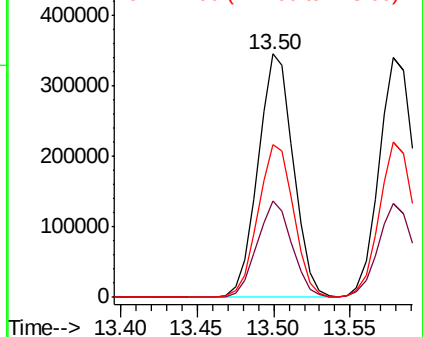
148 63.2 31.6 94.8



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



#88

1,4-Dichlorobenzene

Concen: 52.576 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW008641.D

Acq: 13 Feb 2019 15:37

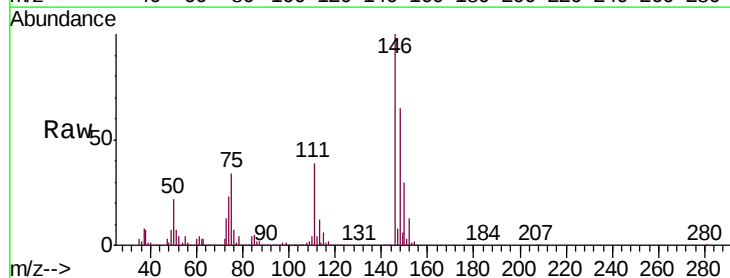
Tgt Ion:146 Resp: 543780

Ion Ratio Lower Upper

146 100

111 38.7 19.4 58.1

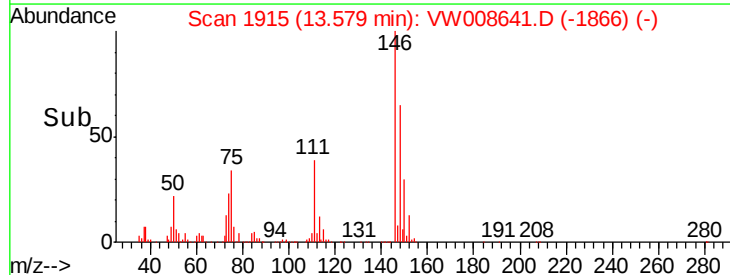
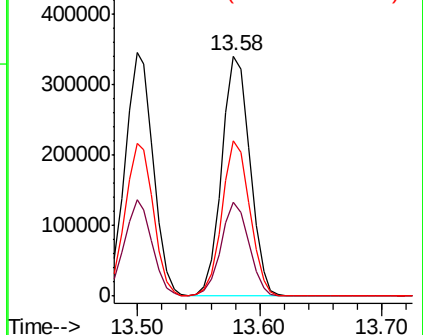
148 63.6 31.8 95.4

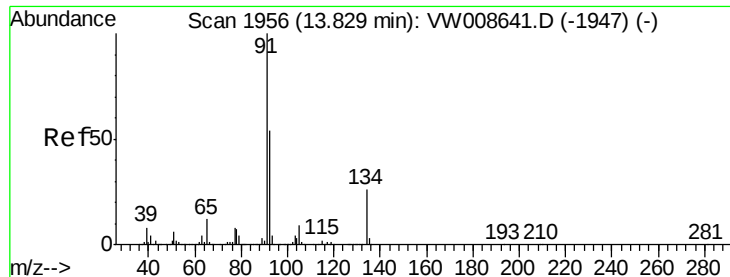


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 53.142 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW008641.D

Acq: 13 Feb 2019 15:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

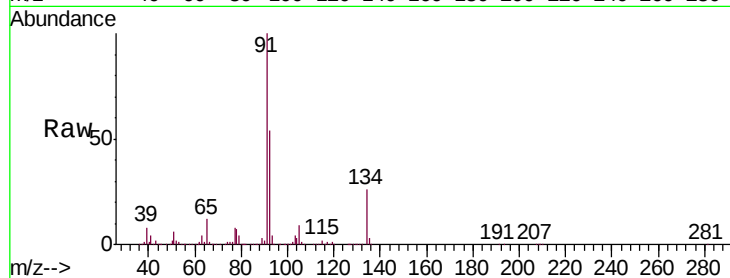
Tgt Ion: 91 Resp: 1068466

Ion Ratio Lower Upper

91 100

92 53.6 26.8 80.4

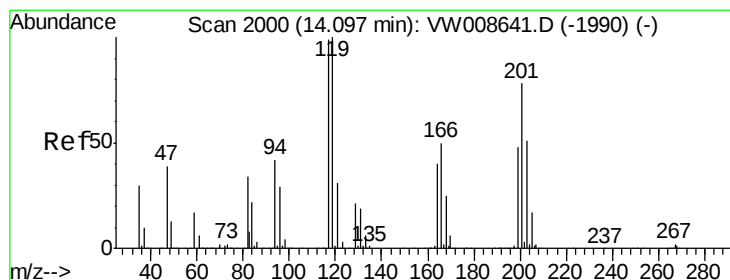
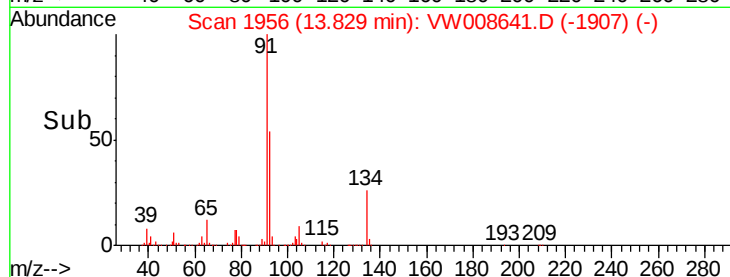
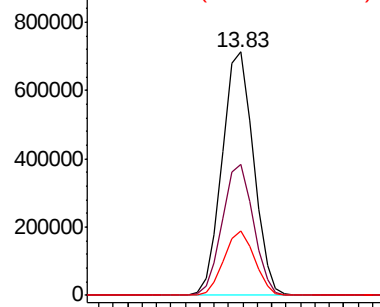
134 26.0 13.0 39.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 54.843 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW008641.D

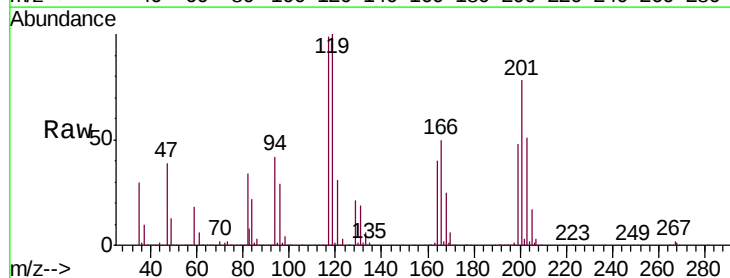
Acq: 13 Feb 2019 15:37

Tgt Ion: 117 Resp: 202725

Ion Ratio Lower Upper

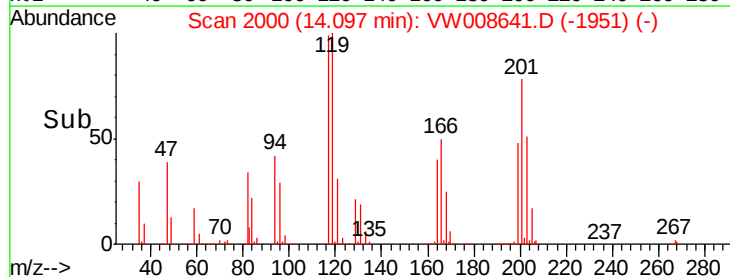
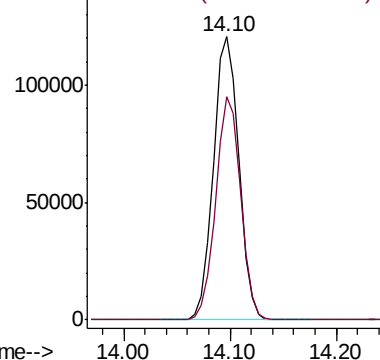
117 100

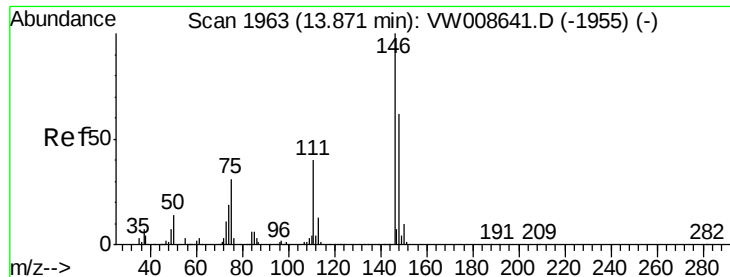
201 77.4 38.7 116.1



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

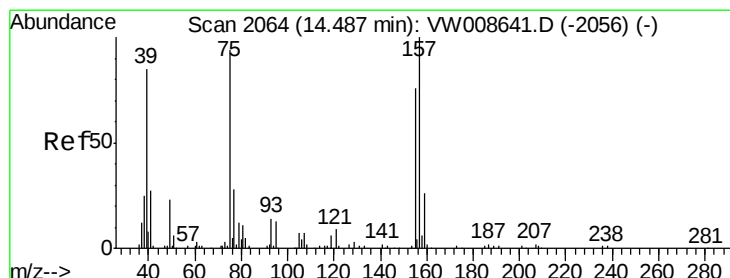
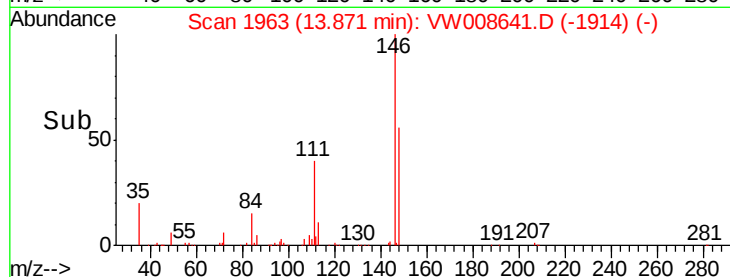
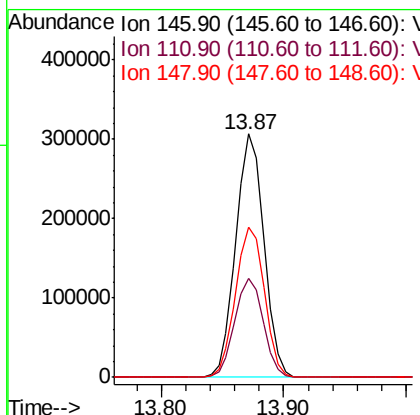
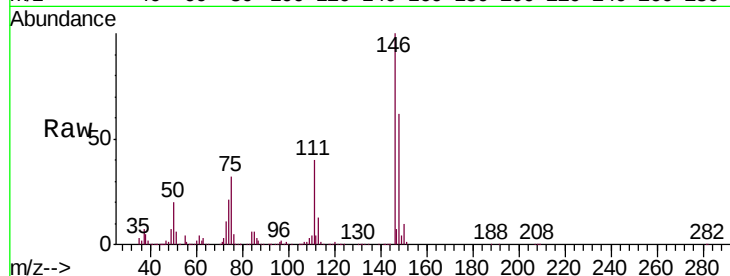




#91
 1,2-Dichlorobenzene
 Concen: 52.666 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW008641.D
 Acq: 13 Feb 2019 15:37

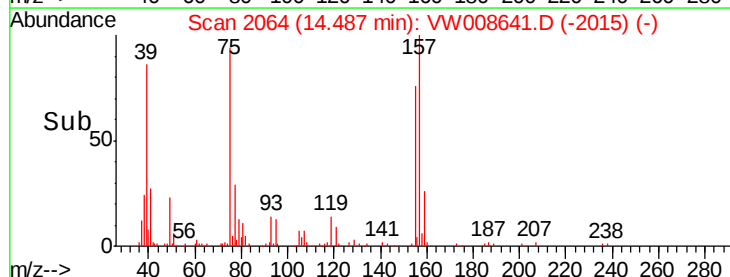
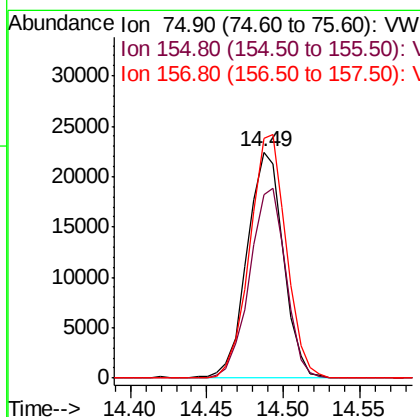
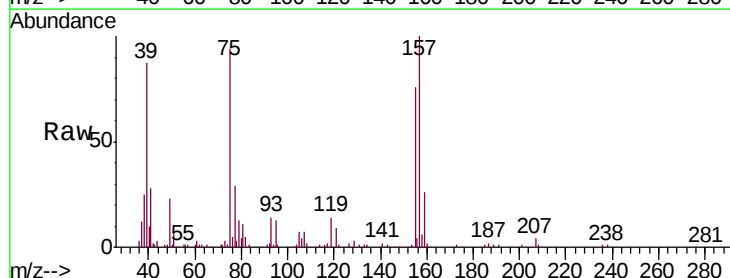
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

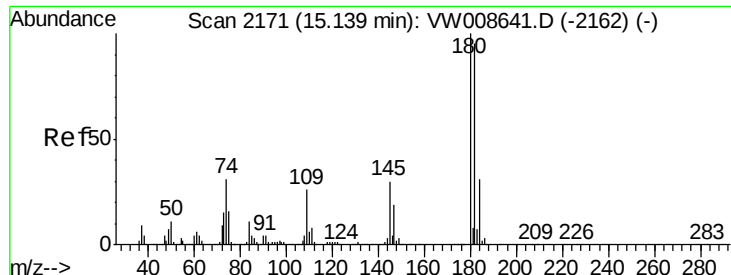
Tgt Ion:146 Resp: 489674
 Ion Ratio Lower Upper
 146 100
 111 41.0 20.5 61.5
 148 63.2 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.474 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW008641.D
 Acq: 13 Feb 2019 15:37

Tgt Ion: 75 Resp: 37091
 Ion Ratio Lower Upper
 75 100
 155 83.6 41.8 125.4
 157 107.6 53.8 161.4

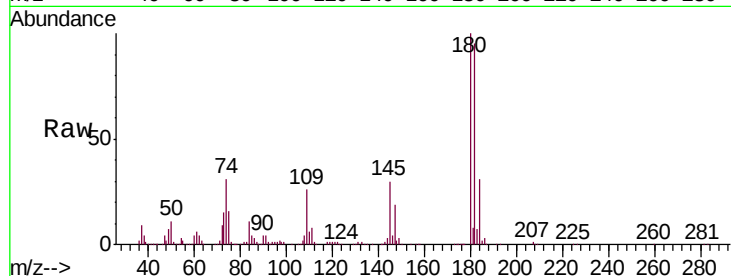




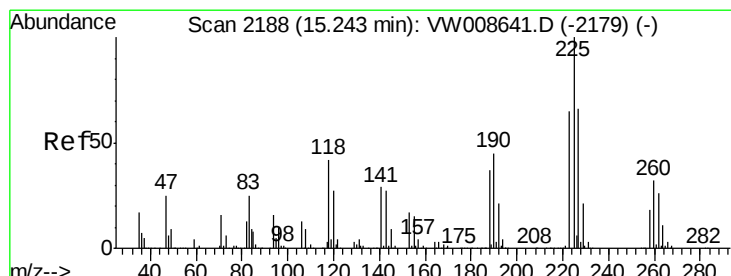
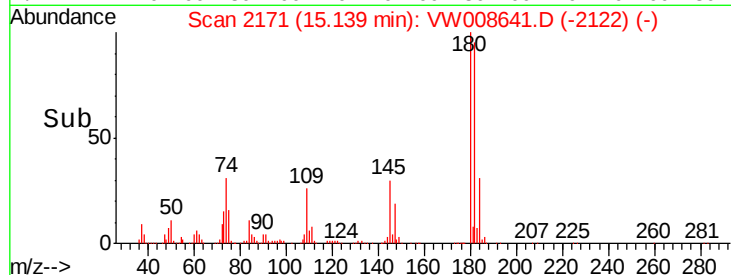
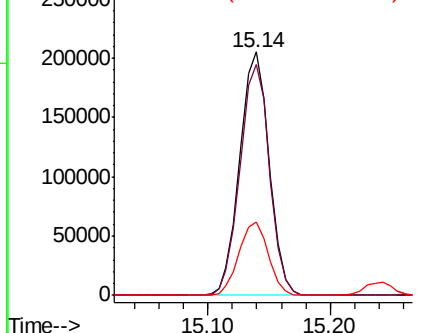
#93
1,2,4-Trichlorobenzene
Concen: 51.778 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VW008641.D
Acq: 13 Feb 2019 15:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion:180 Resp: 342698
Ion Ratio Lower Upper
180 100
182 95.0 47.5 142.5
145 30.2 15.1 45.3

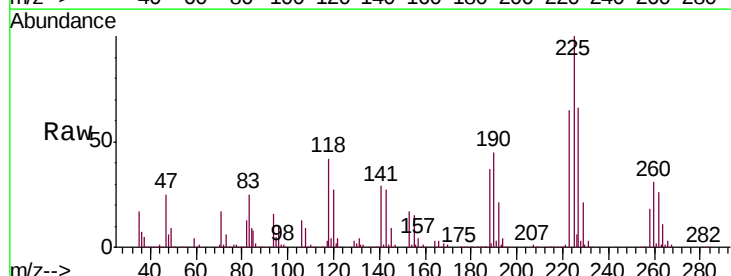


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

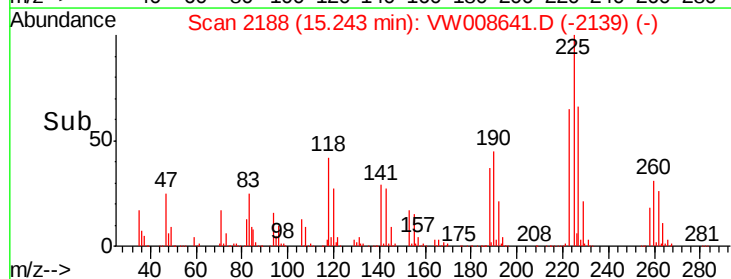
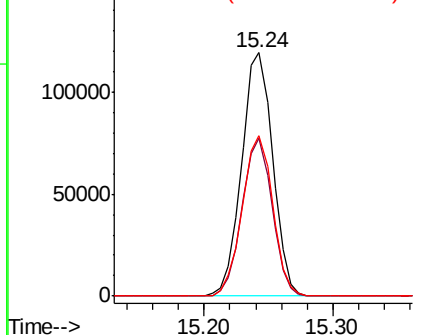


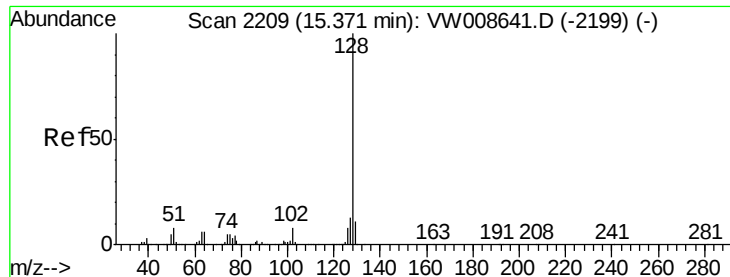
#94
Hexachlorobutadiene
Concen: 51.564 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. 0.00 min
Lab File: VW008641.D
Acq: 13 Feb 2019 15:37

Tgt Ion:225 Resp: 198657
Ion Ratio Lower Upper
225 100
223 62.9 31.4 94.3
227 64.7 32.4 97.0



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V

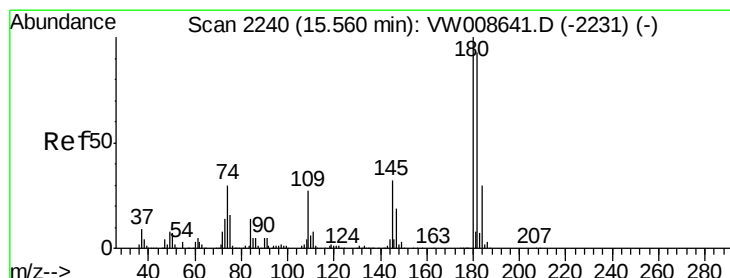
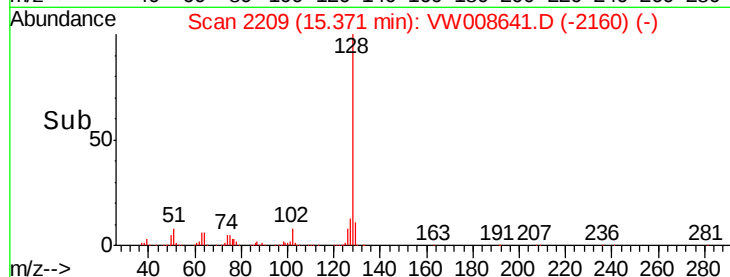
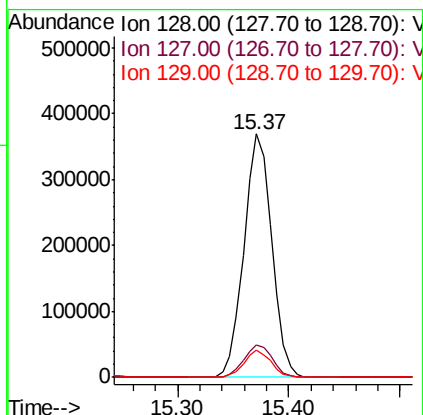
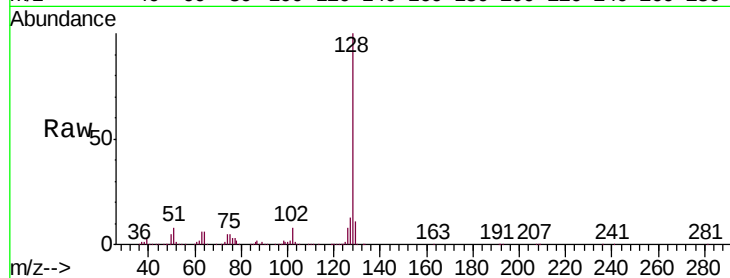




#95
Naphthalene
Concen: 54.074 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008641.D
Acq: 13 Feb 2019 15:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 641368
Ion Ratio Lower Upper
128 100
127 13.6 10.9 16.3
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 52.136 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW008641.D
Acq: 13 Feb 2019 15:37

Tgt Ion:180 Resp: 296108
Ion Ratio Lower Upper
180 100
182 95.0 47.5 142.5
145 31.8 15.9 47.7

