

Data File : VW008589.D
Acq On : 11 Feb 2019 11:09
Operator : SY/VA
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Quant Time: Feb 12 04:25:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 25 11:07:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	469579	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	715755	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	634793	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	365165	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	222264	48.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.36%	
35) Dibromofluoromethane	7.88	113	216130	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
50) Toluene-d8	10.32	98	835438	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	
62) 4-Bromofluorobenzene	12.62	95	323249	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	109319	40.917	ug/l	99
3) Chloromethane	2.21	50	170582	44.503	ug/l	97
4) Vinyl Chloride	2.36	62	279891	57.362	ug/l	96
5) Bromomethane	2.78	94	192806	61.262	ug/l	98
6) Chloroethane	2.92	64	197463	66.172	ug/l	99
7) Trichlorofluoromethane	3.25	101	190926	45.461	ug/l	99
8) Diethyl Ether	3.67	74	124732	53.264	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	238318	56.113	ug/l	98
10) Methyl Iodide	4.26	142	358702	53.470	ug/l	100
11) Tert butyl alcohol	5.17	59	87807	236.413	ug/l	99
12) 1,1-Dichloroethene	4.03	96	222380	51.738	ug/l	99
13) Acrolein	3.88	56	74042	226.352	ug/l	100
14) Allyl chloride	4.65	41	406576	49.815	ug/l	94
15) Acrylonitrile	5.36	53	257754	254.899	ug/l	99
16) Acetone	4.12	43	263944	254.783	ug/l	99
17) Carbon Disulfide	4.37	76	609750	44.418	ug/l	100
18) Methyl Acetate	4.66	43	147837	53.504	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	395776	55.653	ug/l	100
20) Methylene Chloride	4.90	84	233643	48.933	ug/l	98
21) trans-1,2-Dichloroethene	5.41	96	248684	51.464	ug/l	98
22) Diisopropyl ether	6.31	45	803876	51.969	ug/l	99
23) Vinyl Acetate	6.24	43	2279092	249.523	ug/l	99
24) 1,1-Dichloroethane	6.21	63	457189	52.216	ug/l	99
25) 2-Butanone	7.17	43	359959	250.158	ug/l	97
26) 2,2-Dichloropropane	7.16	77	321961	54.400	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	277974	52.784	ug/l	99
28) Bromochloromethane	7.51	49	179461	44.625	ug/l	98
29) Tetrahydrofuran	7.52	42	227555	249.554	ug/l	99
30) Chloroform	7.67	83	465380	54.038	ug/l	99
31) Cyclohexane	7.95	56	408339	45.102	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	402538	54.115	ug/l	99
36) 1,1-Dichloropropene	8.07	75	370381	54.781	ug/l	99
37) Ethyl Acetate	7.25	43	152534	50.993	ug/l	98
38) Carbon Tetrachloride	8.06	117	391425	57.532	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	455971	51.337	ug/l	99
40) Benzene	8.32	78	1003501	53.488	ug/l	98
41) Methacrylonitrile	7.48	41	90097	50.868	ug/l	93
42) 1,2-Dichloroethane	8.40	62	302718	55.678	ug/l	100
43) Isopropyl Acetate	8.42	43	321561	51.743	ug/l	98
44) Trichloroethene	9.09	130	283526	55.574	ug/l	97
45) 1,2-Dichloropropane	9.37	63	252864	54.055	ug/l	96
46) Dibromomethane	9.45	93	130416	54.204	ug/l	97
47) Bromodichloromethane	9.64	83	353364	55.526	ug/l	99
48) Methyl methacrylate	9.43	41	155259	51.094	ug/l	94
49) 1,4-Dioxane	9.44	88	43655	1073.423	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	808181	263.237	ug/l	99
52) Toluene	10.38	92	667548	53.901	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	364137	53.773	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	415984	54.131	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	181795	54.474	ug/l	97
56) Ethyl methacrylate	10.65	69	236994	50.681	ug/l	97
57) 1,3-Dichloropropane	10.93	76	317542	53.112	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	549654	241.920	ug/l	100
59) 2-Hexanone	10.97	43	589495	271.981	ug/l	98
60) Dibromochloromethane	11.13	129	233963	54.554	ug/l	99
61) 1,2-Dibromoethane	11.23	107	175405	53.008	ug/l	100
64) Tetrachloroethene	10.86	164	235341	54.757	ug/l	96
65) Chlorobenzene	11.66	112	722249	55.736	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	267287	57.651	ug/l	99
67) Ethyl Benzene	11.73	91	1346815	56.542	ug/l	99
68) m/p-Xylenes	11.84	106	1049558	113.565	ug/l	100
69) o-Xylene	12.16	106	499272	56.857	ug/l	99
70) Styrene	12.18	104	835471	57.600	ug/l	99
71) Bromoform	12.35	173	141684	54.315	ug/l	99
73) Isopropylbenzene	12.46	105	1432736	52.628	ug/l	100
74) N-amyl acetate	12.27	43	342911	48.894	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	212558	49.317	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	311539	98.127	ug/l #	1
77) Bromobenzene	12.75	156	308167	51.833	ug/l	97
78) n-propylbenzene	12.80	91	1748335	53.470	ug/l	100
79) 2-Chlorotoluene	12.89	91	971843	52.671	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	1219437	53.591	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	75494	46.965	ug/l	91
82) 4-Chlorotoluene	12.99	91	1052820	53.594	ug/l	100
83) tert-Butylbenzene	13.21	119	1075583	53.118	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	1271141	54.961	ug/l	99
85) sec-Butylbenzene	13.38	105	1601047	55.365	ug/l	99
86) p-Isopropyltoluene	13.50	119	1440505	56.868	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	670576	55.848	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	659537	55.270	ug/l	99
89) n-Butylbenzene	13.83	91	1386744	55.757	ug/l	99
90) Hexachloroethane	14.10	117	260665	52.620	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	581846	54.766	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	37087	45.350	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW021119\
Quantitation Report (Not Reviewed)

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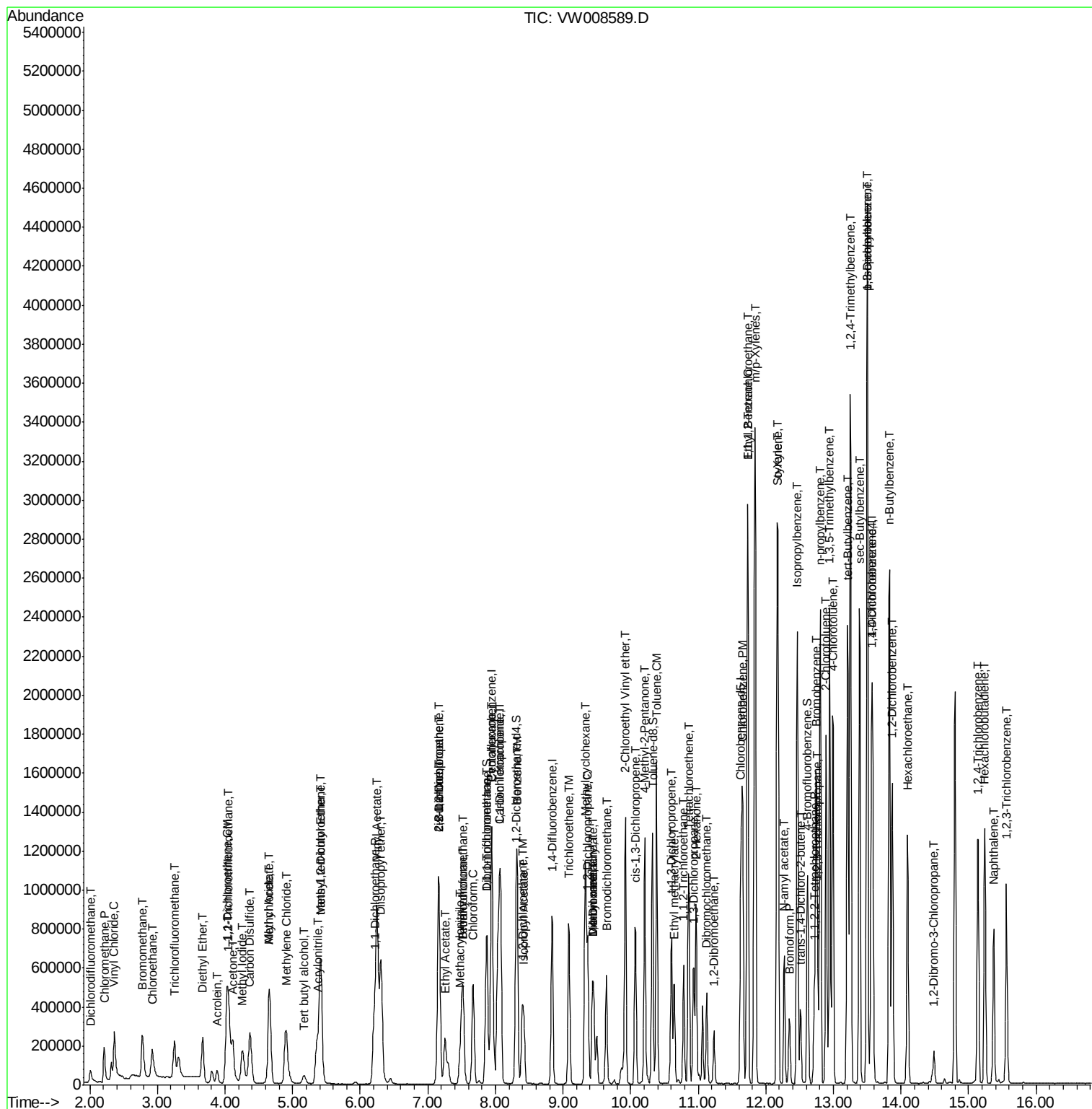
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	395983	52.229	ug/l	98
94) Hexachlorobutadiene	15.24	225	248841	54.461	ug/l	100
95) Naphthalene	15.37	128	662477	49.765	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	333849	51.910	ug/l	100

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008589.D

Acq: 11 Feb 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

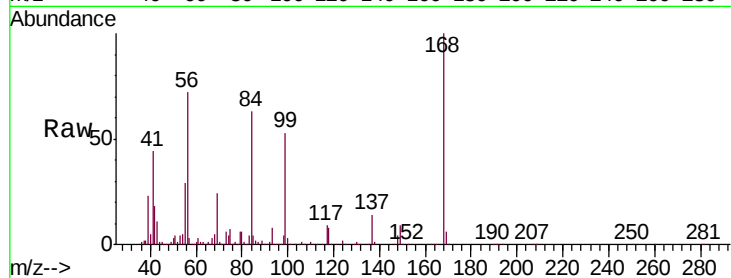
VSTDCCC050

Tgt Ion:168 Resp: 469579

Ion Ratio Lower Upper

168 100

99 52.9 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

250000

200000

150000

100000

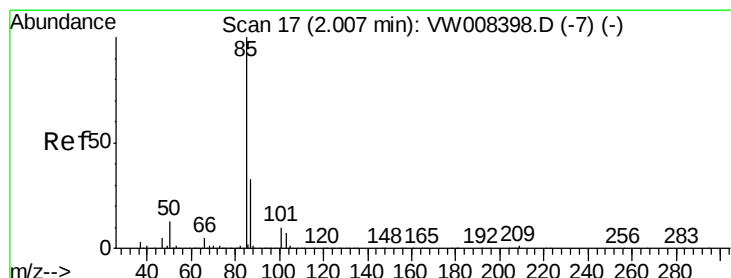
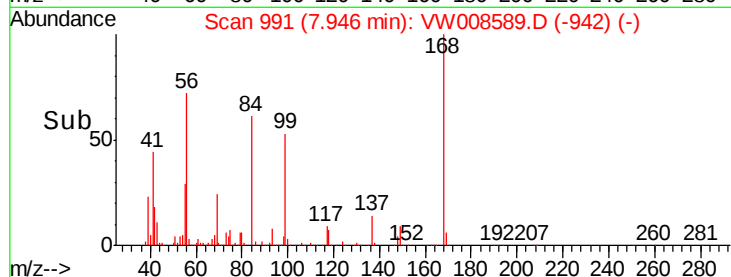
50000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 40.917 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW008589.D

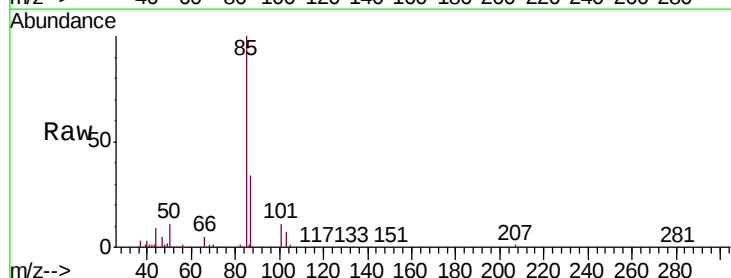
Acq: 11 Feb 2019 11:09

Tgt Ion: 85 Resp: 109319

Ion Ratio Lower Upper

85 100

87 34.2 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

40000

30000

20000

10000

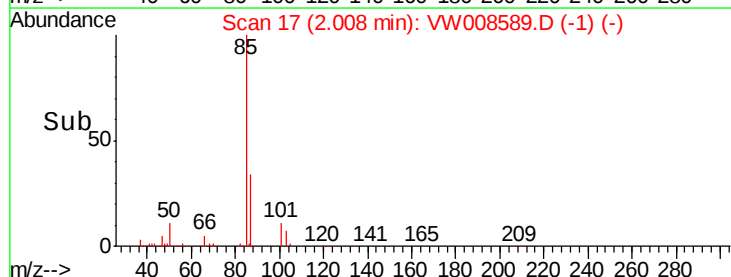
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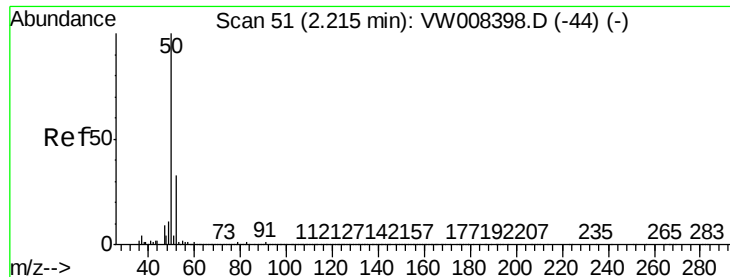
1.90

2.00

2.10

Time-->





#3

Chloromethane

Concen: 44.503 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW008589.D

Acq: 11 Feb 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

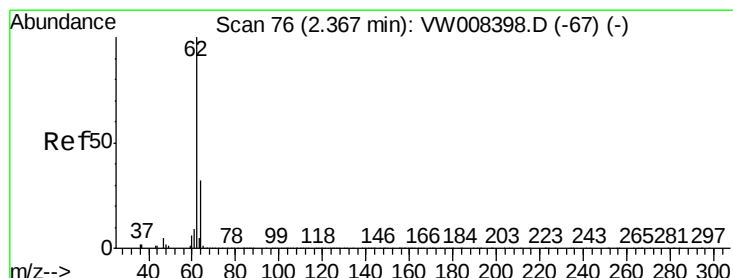
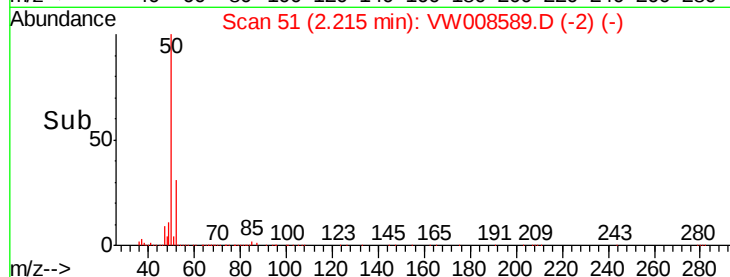
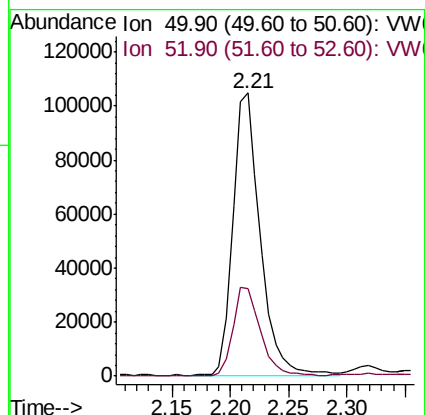
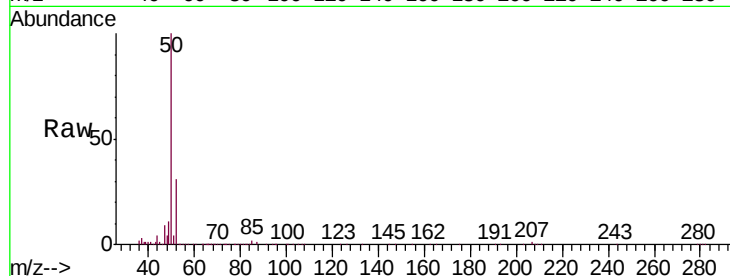
VSTDCCC050

Tgt Ion: 50 Resp: 170582

Ion Ratio Lower Upper

50 100

52 31.2 26.3 39.5



#4

Vinyl Chloride

Concen: 57.362 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW008589.D

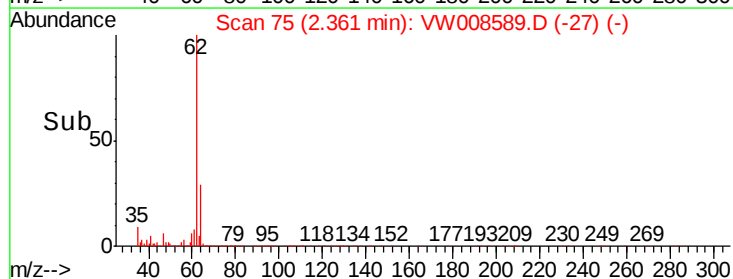
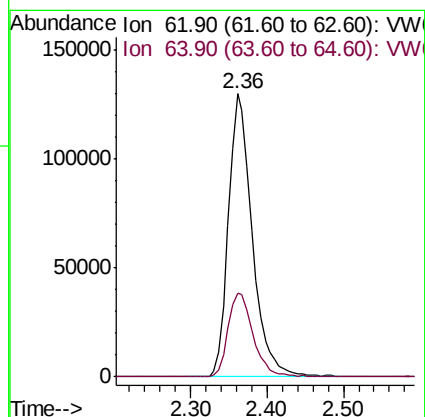
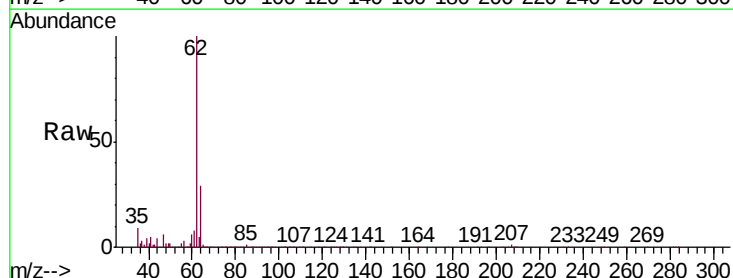
Acq: 11 Feb 2019 11:09

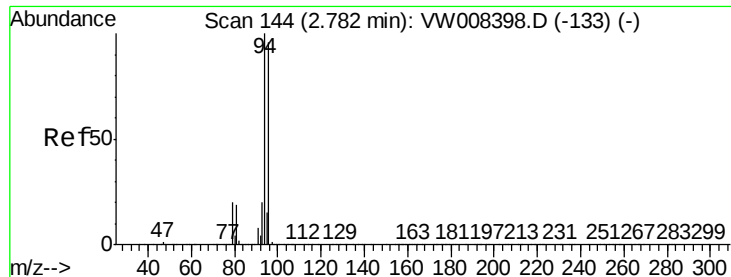
Tgt Ion: 62 Resp: 279891

Ion Ratio Lower Upper

62 100

64 29.5 25.5 38.3





#5

Bromomethane

Concen: 61.262 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW008589.D

Acq: 11 Feb 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

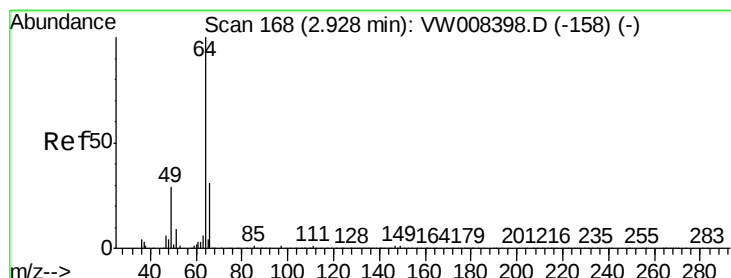
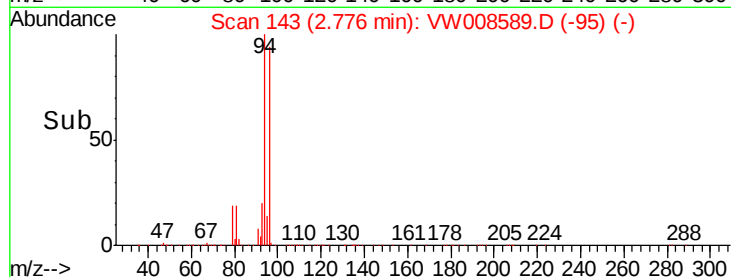
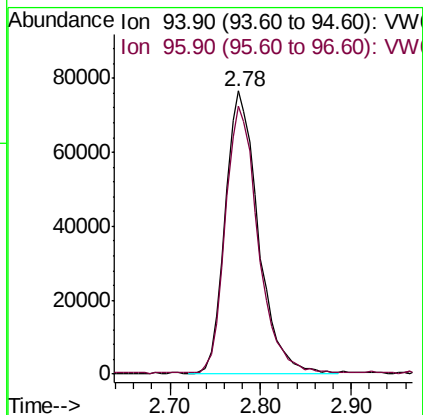
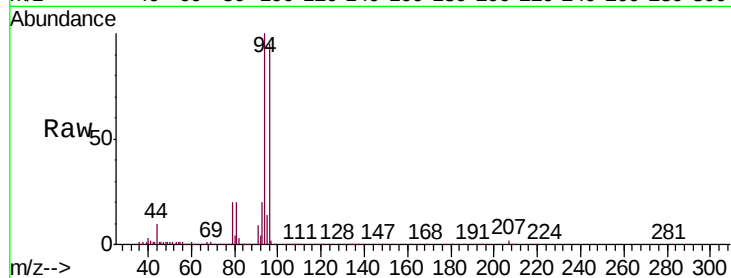
VSTDCCC050

Tgt Ion: 94 Resp: 192806

Ion Ratio Lower Upper

94 100

96 94.4 77.2 115.8



#6

Chloroethane

Concen: 66.172 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW008589.D

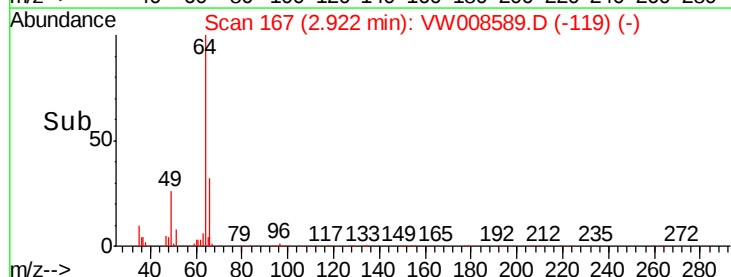
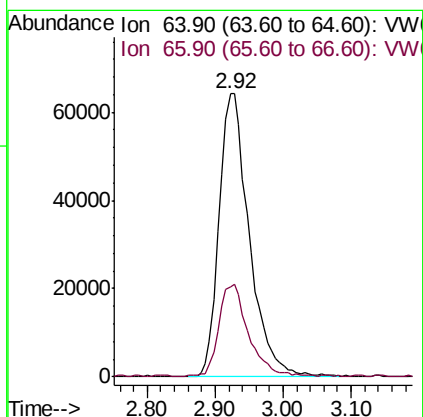
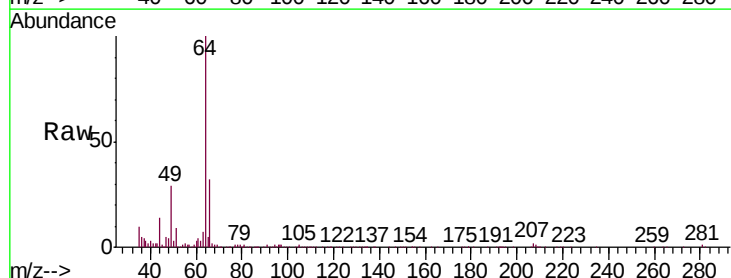
Acq: 11 Feb 2019 11:09

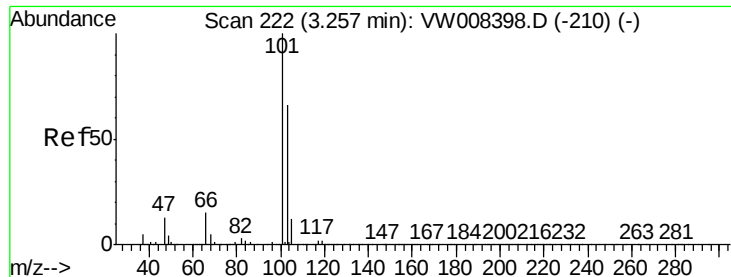
Tgt Ion: 64 Resp: 197463

Ion Ratio Lower Upper

64 100

66 31.6 24.9 37.3



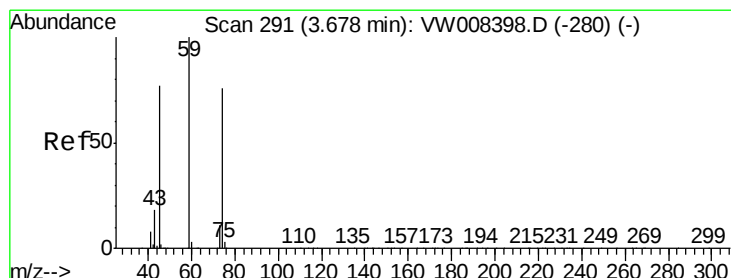
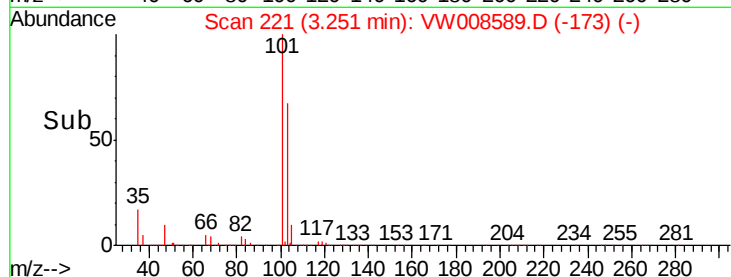
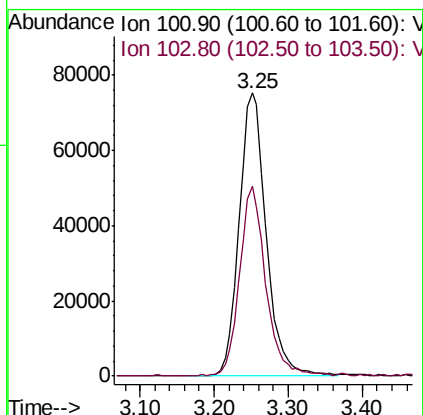
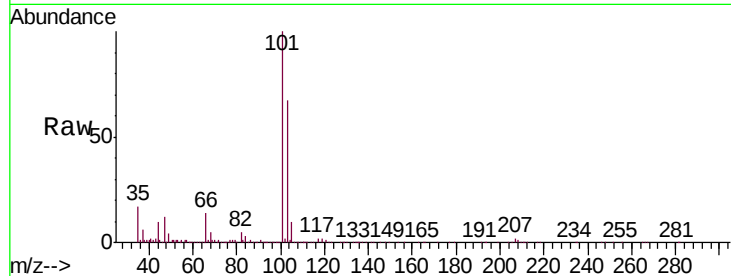


#7

Trichlorofluoromethane
Concen: 45.461 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
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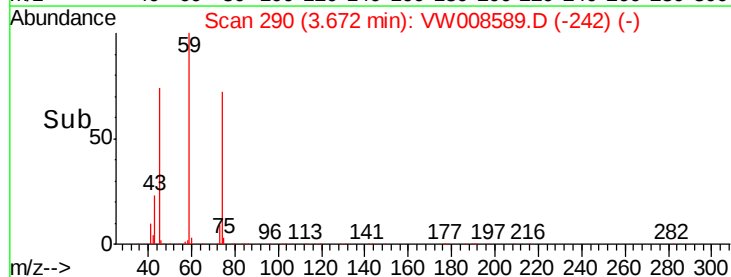
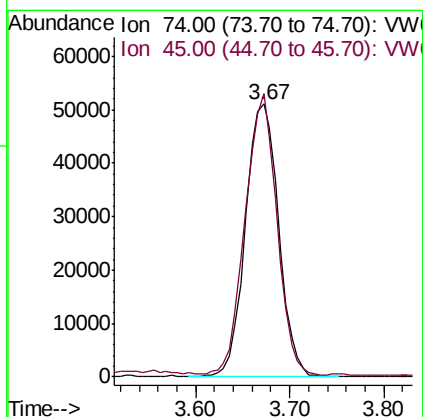
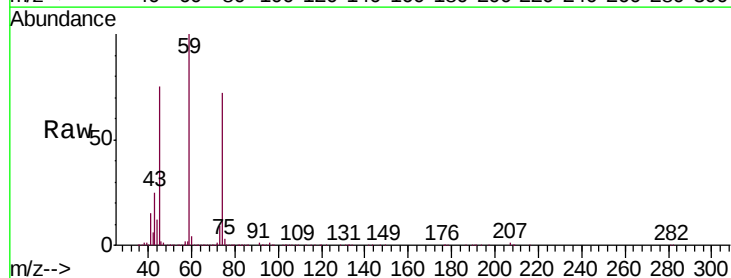
Tgt Ion:101 Resp: 190926
Ion Ratio Lower Upper
101 100
103 66.7 52.5 78.7



#8

Diethyl Ether
Concen: 53.264 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW008589.D
Acq: 11 Feb 2019 11:09

Tgt Ion: 74 Resp: 124732
Ion Ratio Lower Upper
74 100
45 99.5 51.7 155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 56.113 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW008589.D

Acq: 11 Feb 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

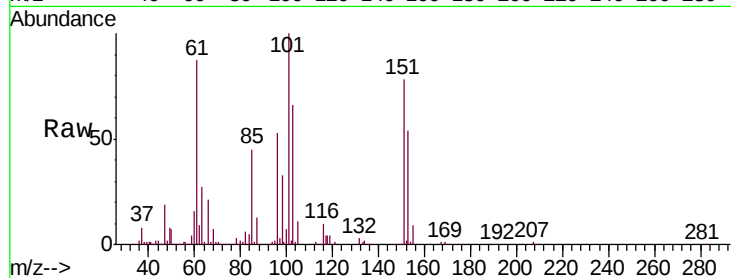
Tgt Ion:101 Resp: 238318

Ion Ratio Lower Upper

101 100

85 43.9 35.0 52.4

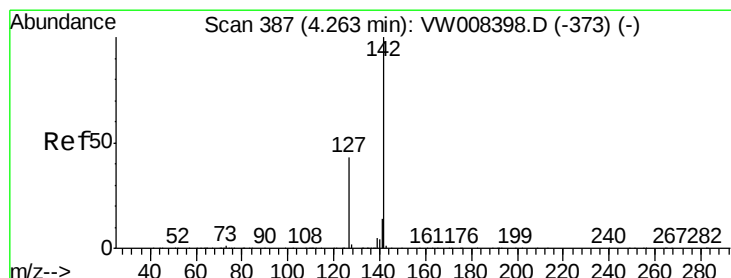
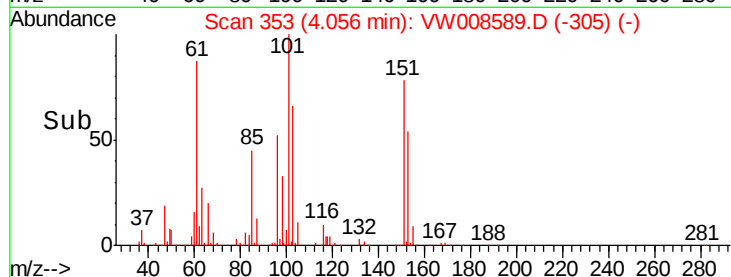
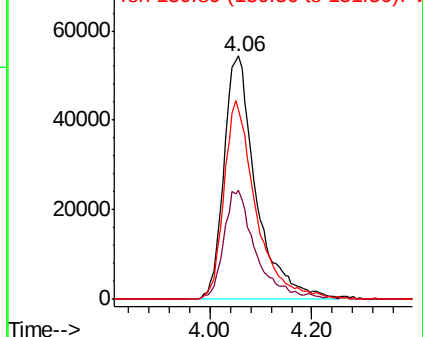
151 81.2 62.6 94.0



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: 53.470 ug/l

RT: 4.26 min Scan# 386

Delta R.T. -0.01 min

Lab File: VW008589.D

Acq: 11 Feb 2019 11:09

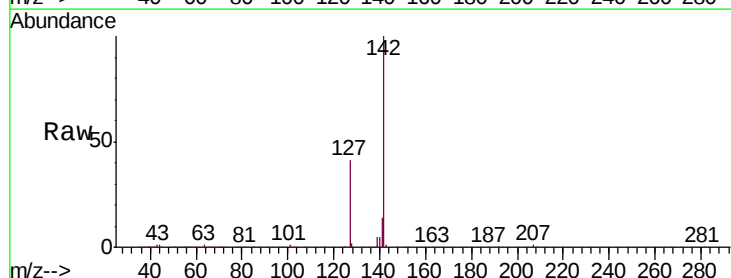
Tgt Ion:142 Resp: 358702

Ion Ratio Lower Upper

142 100

127 43.1 34.6 52.0

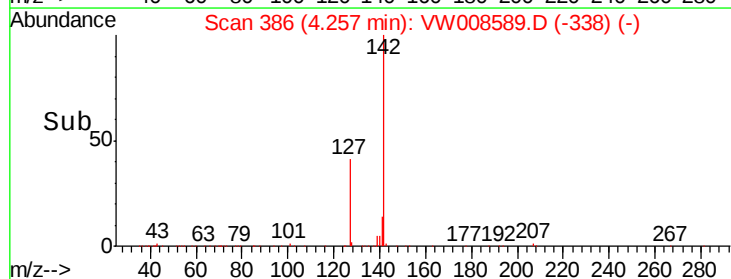
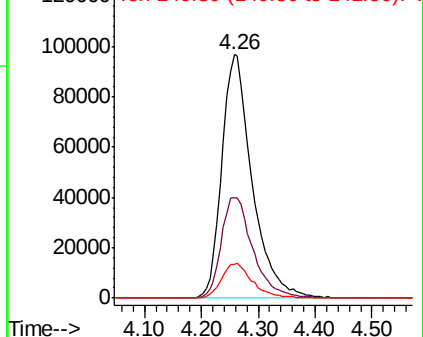
141 14.5 11.4 17.2

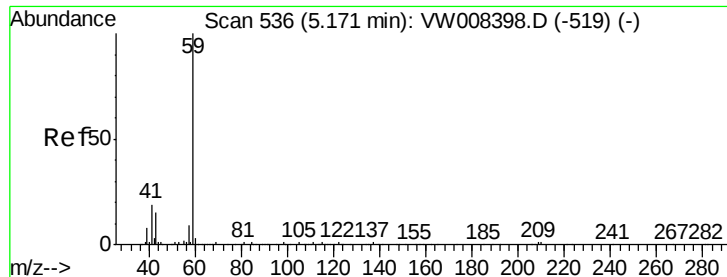


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

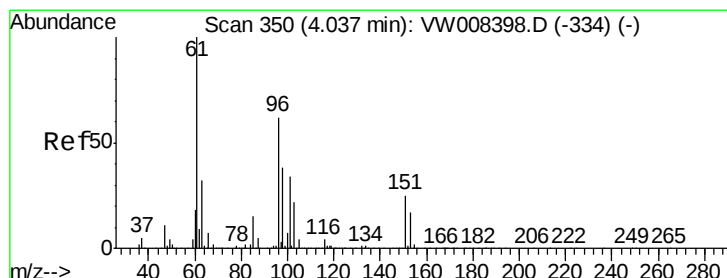
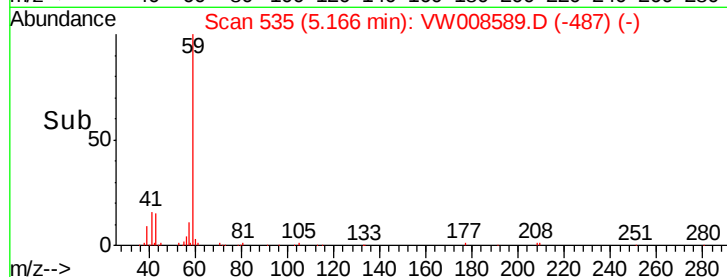
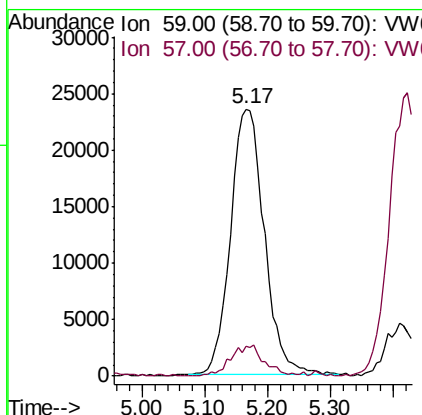
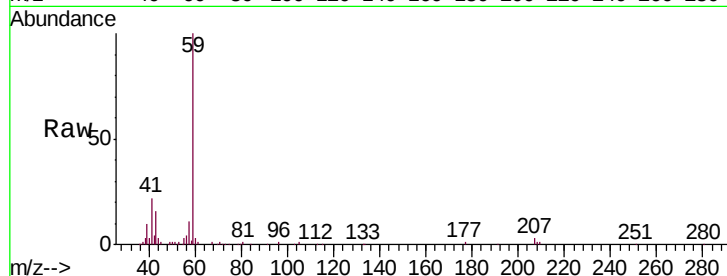




#11
Tert butyl alcohol
Concen: 236.413 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW008589.D
Acq: 11 Feb 2019 11:09

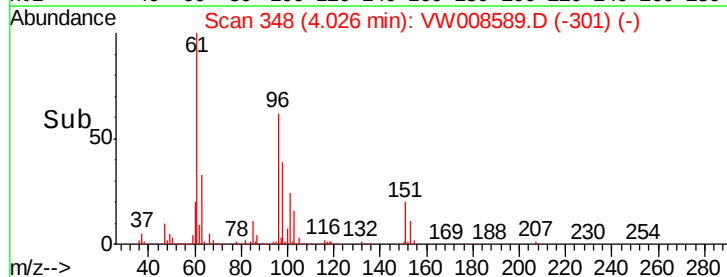
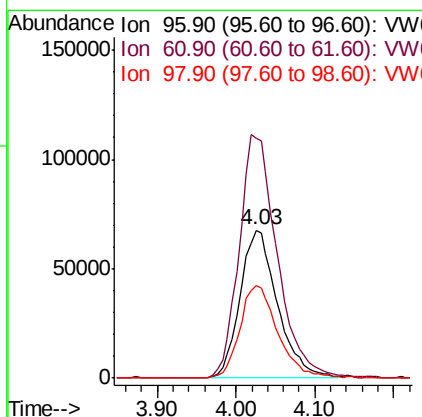
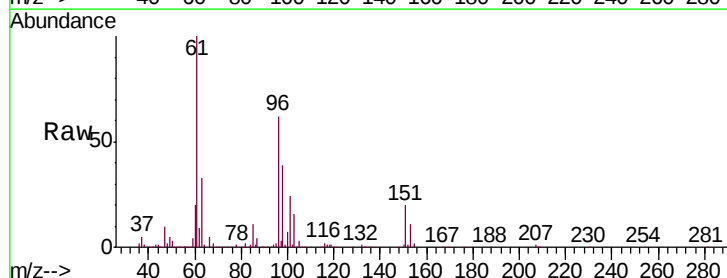
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

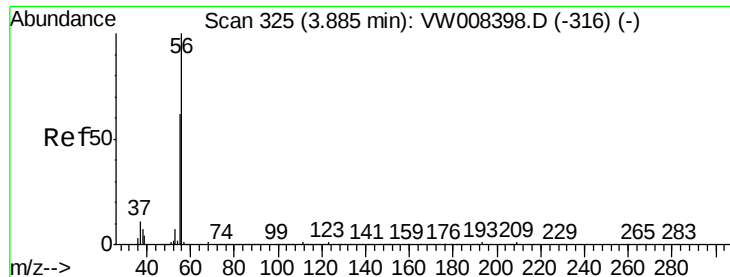
Tgt Ion: 59 Resp: 87807
Ion Ratio Lower Upper
59 100
57 11.8 9.3 13.9



#12
1,1-Dichloroethene
Concen: 51.738 ug/l
RT: 4.03 min Scan# 348
Delta R.T. -0.01 min
Lab File: VW008589.D
Acq: 11 Feb 2019 11:09

Tgt Ion: 96 Resp: 222380
Ion Ratio Lower Upper
96 100
61 162.3 129.5 194.3
98 62.9 48.6 73.0

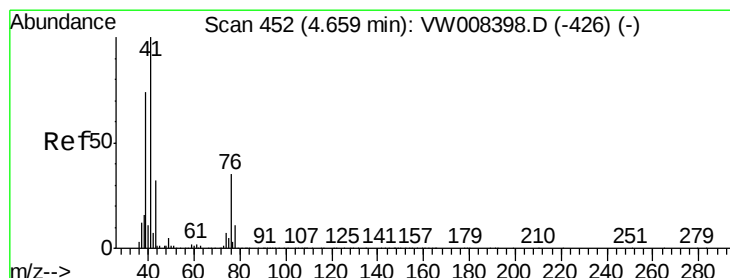
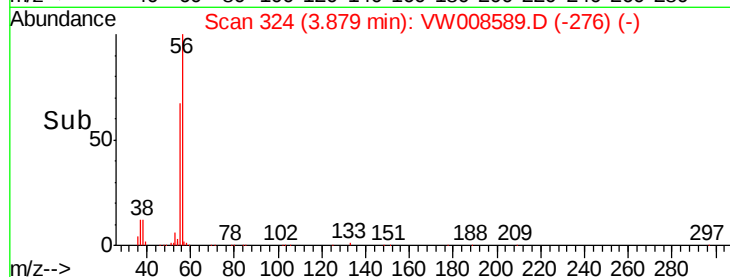
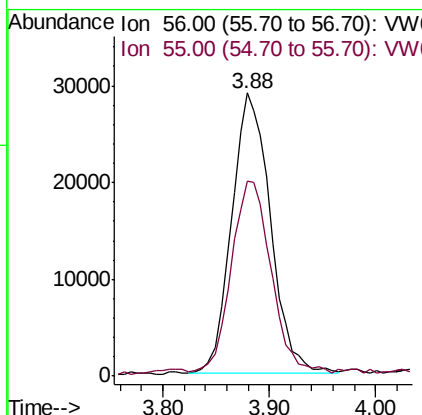
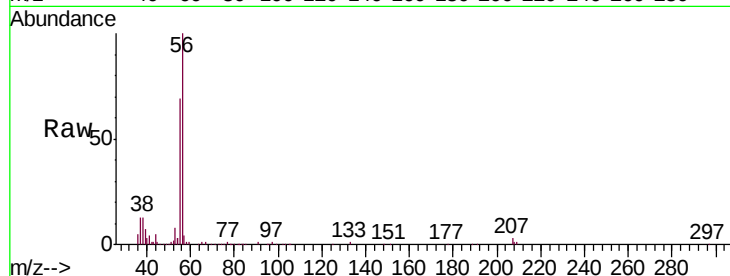




#13
Acrolein
Concen: 226.352 ug/l
RT: 3.88 min Scan# 324
Delta R.T. -0.01 min
Lab File: VW008589.D
Acq: 11 Feb 2019 11:09

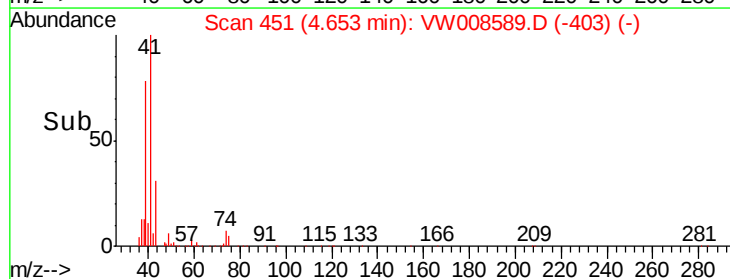
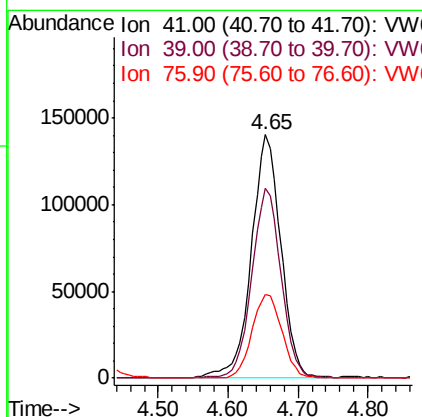
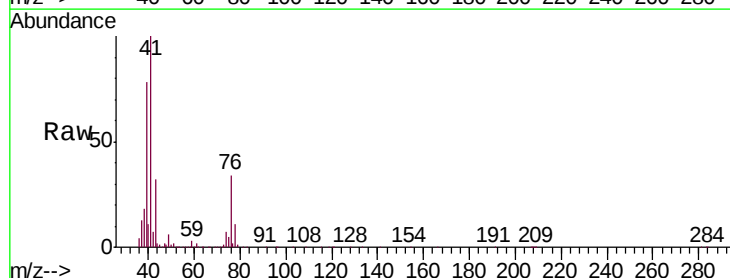
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

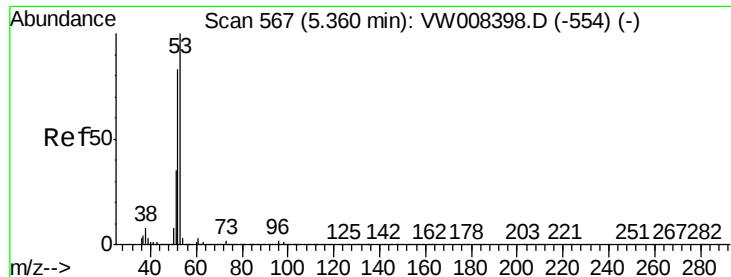
Tgt Ion: 56 Resp: 74042
Ion Ratio Lower Upper
56 100
55 70.8 56.7 85.1



#14
Allyl chloride
Concen: 49.815 ug/l
RT: 4.65 min Scan# 451
Delta R.T. -0.01 min
Lab File: VW008589.D
Acq: 11 Feb 2019 11:09

Tgt Ion: 41 Resp: 406576
Ion Ratio Lower Upper
41 100
39 77.9 57.7 86.5
76 35.3 26.9 40.3





#15

Acrylonitrile

Concen: 254.899 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW008589.D

Acq: 11 Feb 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

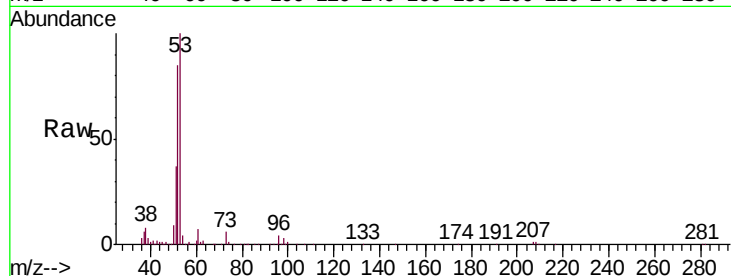
Tgt Ion: 53 Resp: 257754

Ion Ratio Lower Upper

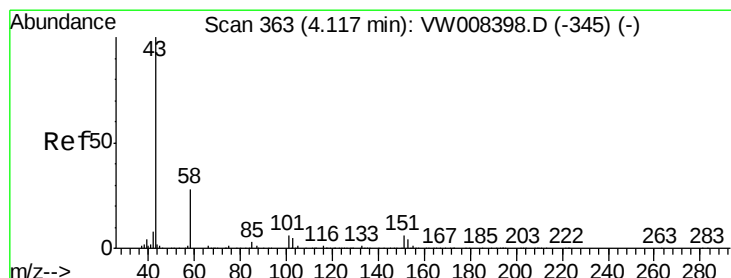
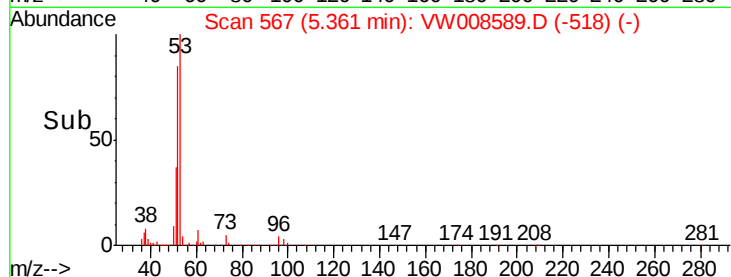
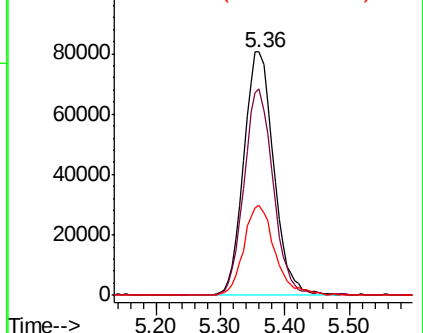
53 100

52 81.9 67.0 100.4

51 37.6 29.8 44.8



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



#16

Acetone

Concen: 254.783 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW008589.D

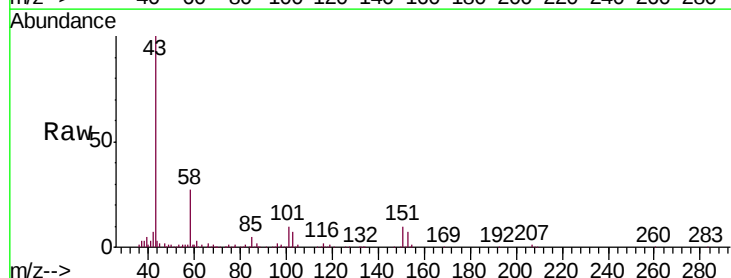
Acq: 11 Feb 2019 11:09

Tgt Ion: 43 Resp: 263944

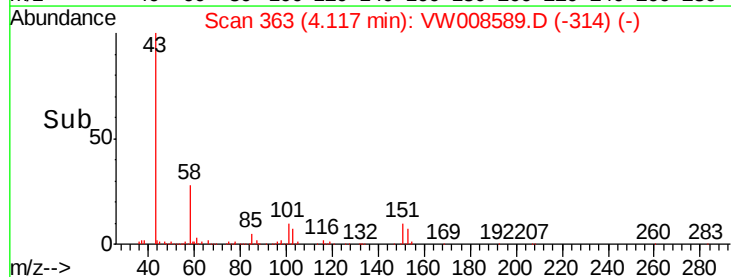
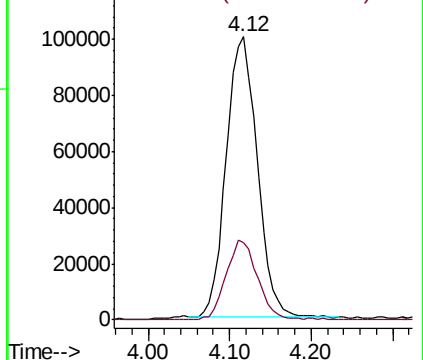
Ion Ratio Lower Upper

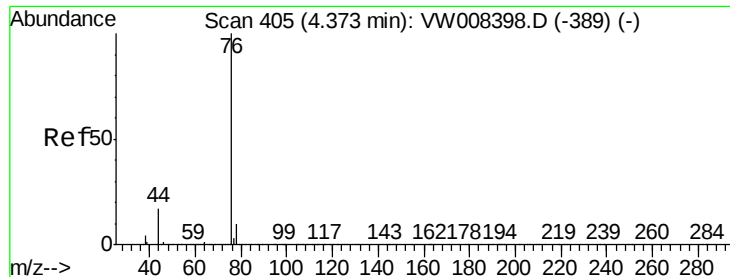
43 100

58 27.5 22.6 34.0



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

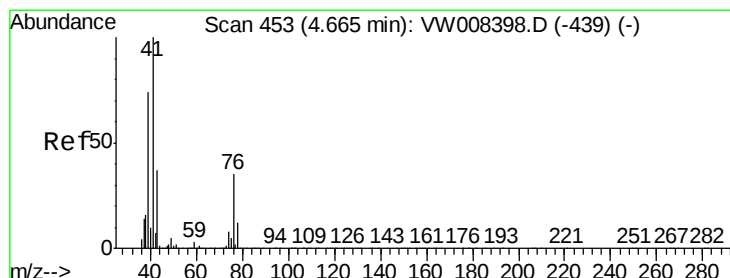
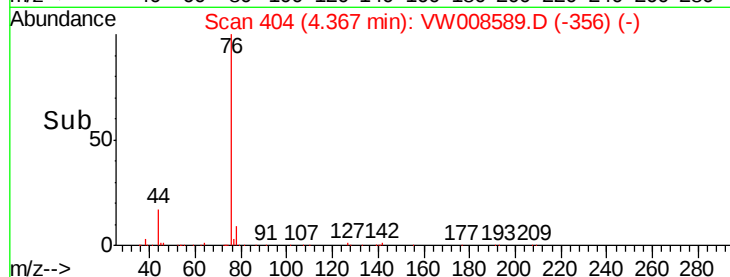
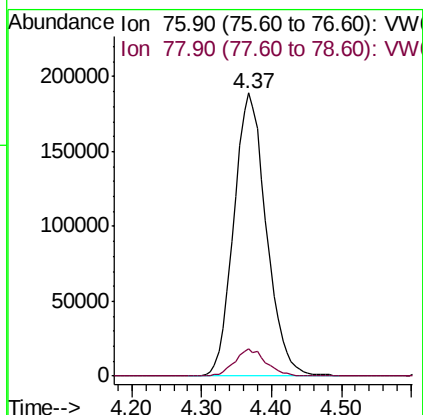
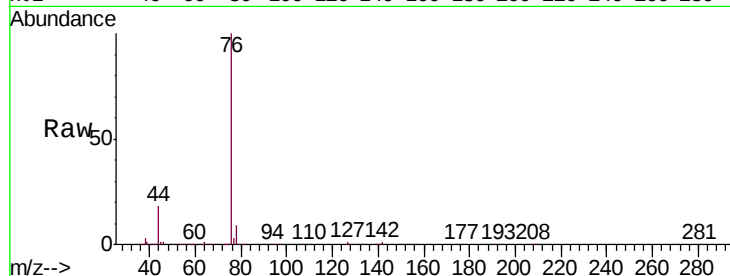




#17
Carbon Disulfide
Concen: 44.418 ug/l
RT: 4.37 min Scan# 404
Delta R.T. -0.01 min
Lab File: VW008589.D
Acq: 11 Feb 2019 11:09

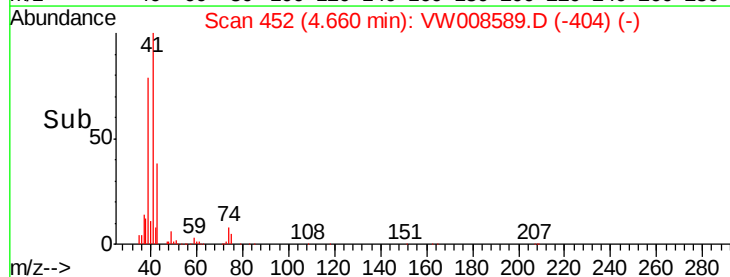
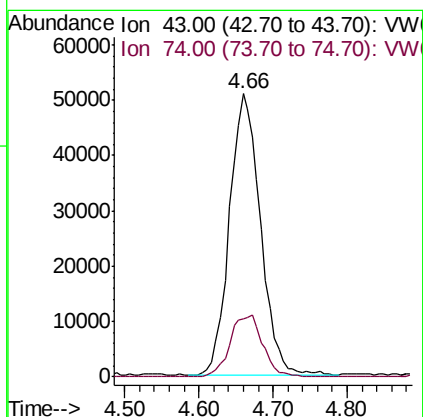
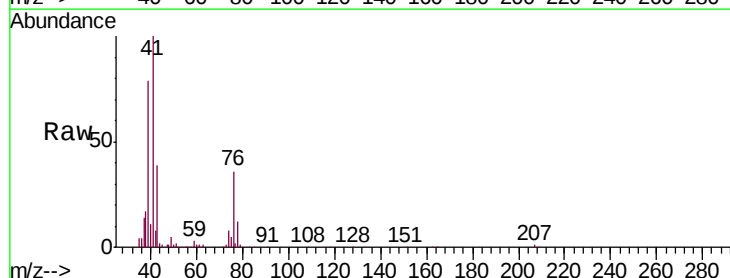
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

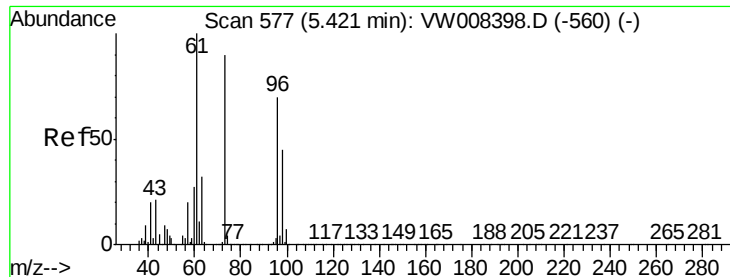
Tgt Ion: 76 Resp: 609750
Ion Ratio Lower Upper
76 100
78 9.5 7.7 11.5



#18
Methyl Acetate
Concen: 53.504 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW008589.D
Acq: 11 Feb 2019 11:09

Tgt Ion: 43 Resp: 147837
Ion Ratio Lower Upper
43 100
74 23.3 17.5 26.3



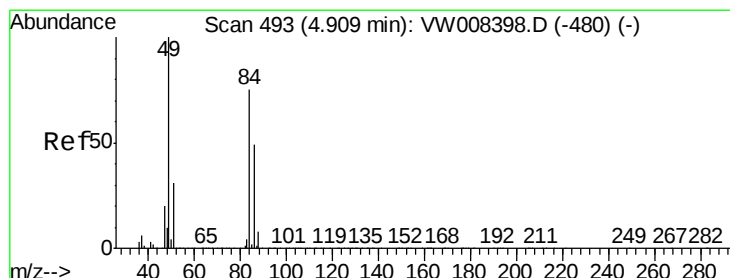
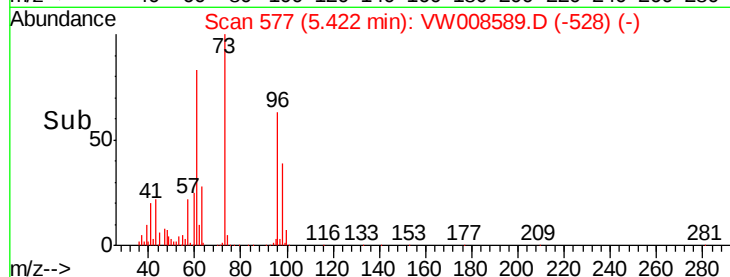
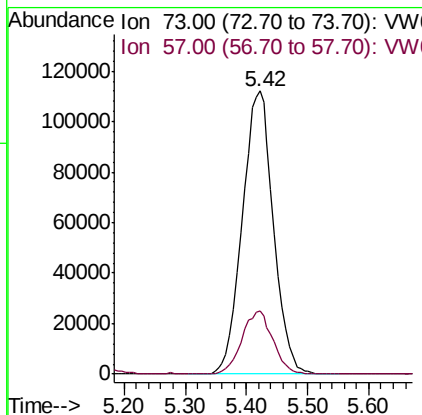
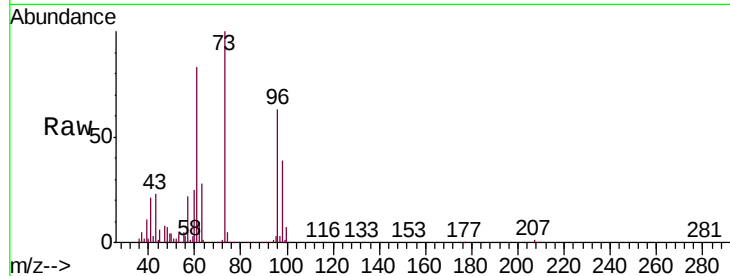


#19

Methyl tert-butyl Ether
 Concen: 55.653 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VW008589.D
 Acq: 11 Feb 2019 11:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

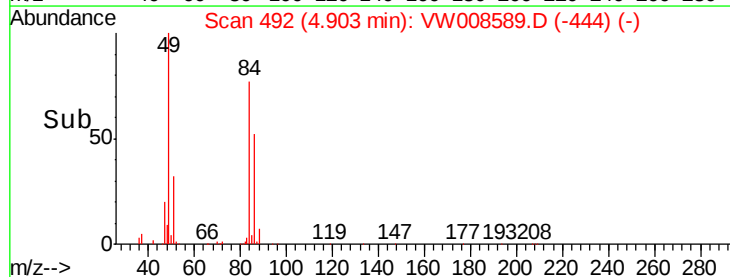
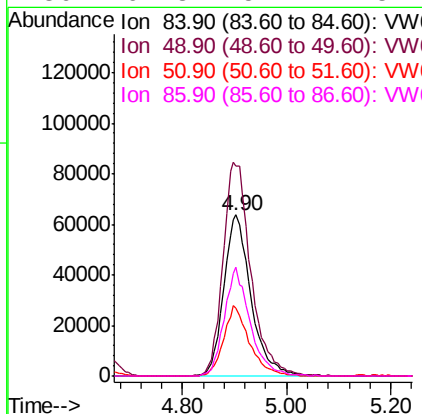
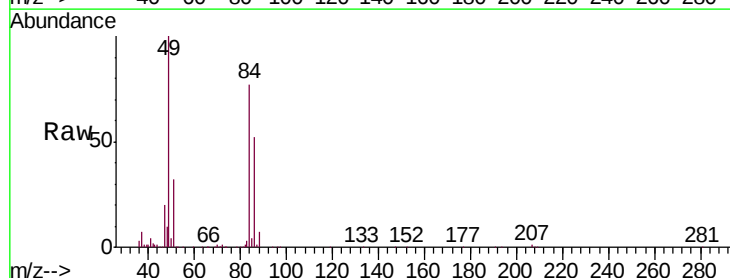
Tgt Ion: 73 Resp: 395776
 Ion Ratio Lower Upper
 73 100
 57 22.3 18.0 27.0

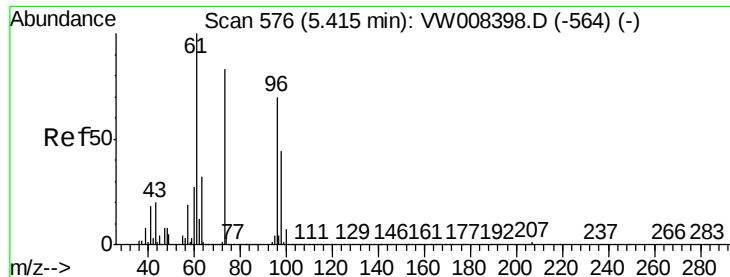


#20

Methylene Chloride
 Concen: 48.933 ug/l
 RT: 4.90 min Scan# 492
 Delta R.T. -0.01 min
 Lab File: VW008589.D
 Acq: 11 Feb 2019 11:09

Tgt Ion: 84 Resp: 233643
 Ion Ratio Lower Upper
 84 100
 49 130.5 106.8 160.2
 51 41.7 32.9 49.3
 86 67.3 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 51.464 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW008589.D

Acq: 11 Feb 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

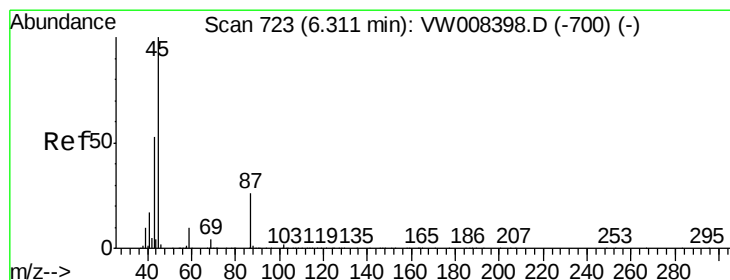
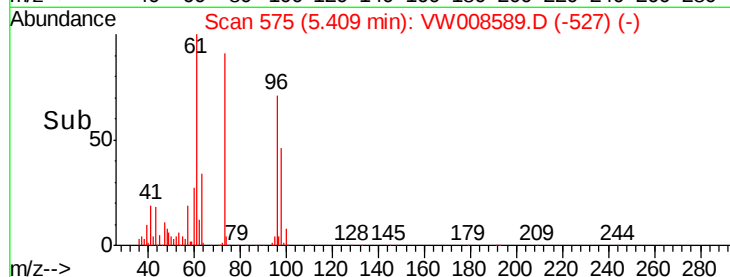
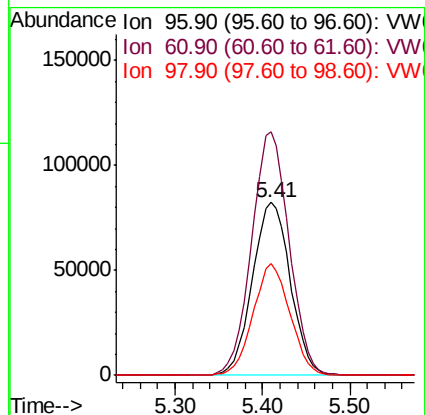
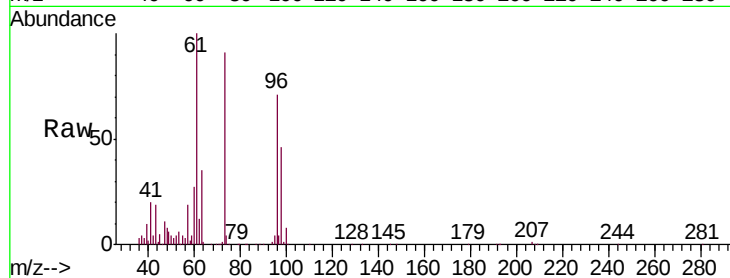
Tgt Ion: 96 Resp: 248684

Ion Ratio Lower Upper

96 100

61 140.6 114.4 171.6

98 64.5 50.6 75.8



#22

Diisopropyl ether

Concen: 51.969 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW008589.D

Acq: 11 Feb 2019 11:09

Tgt Ion: 45 Resp: 803876

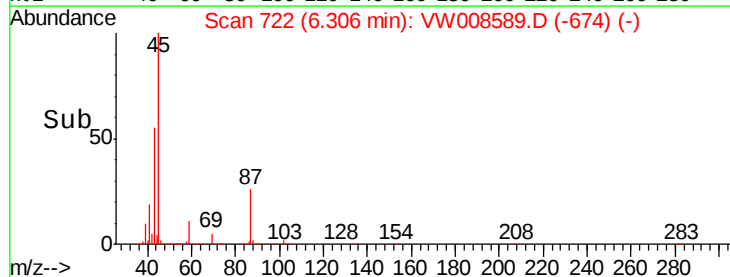
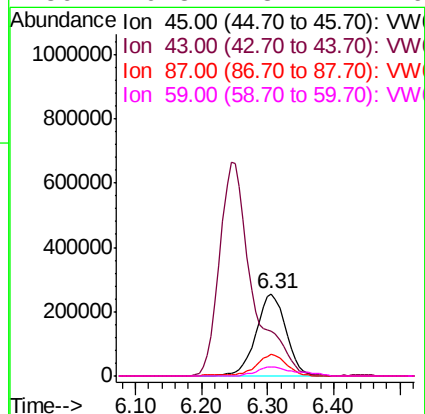
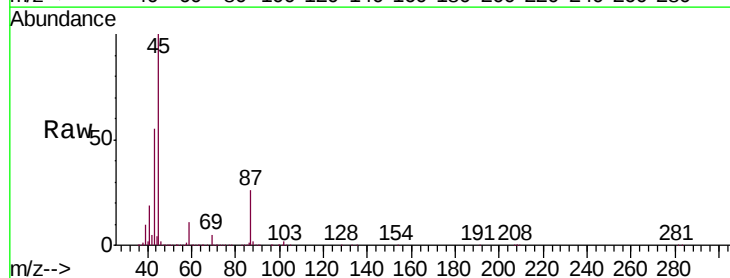
Ion Ratio Lower Upper

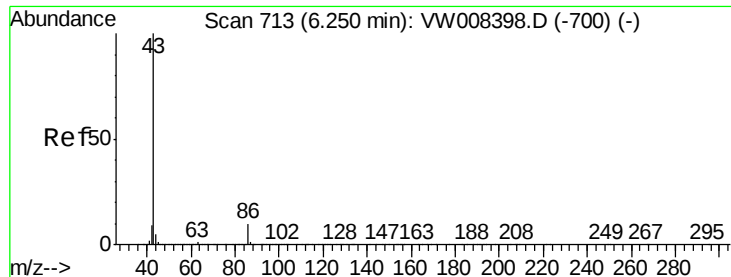
45 100

43 54.5 42.6 63.8

87 25.8 20.3 30.5

59 10.8 8.4 12.6





#23

Vinyl Acetate

Concen: 249.523 ug/l

RT: 6.24 min Scan# 712

Delta R.T. -0.01 min

Lab File: VW008589.D

Acq: 11 Feb 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

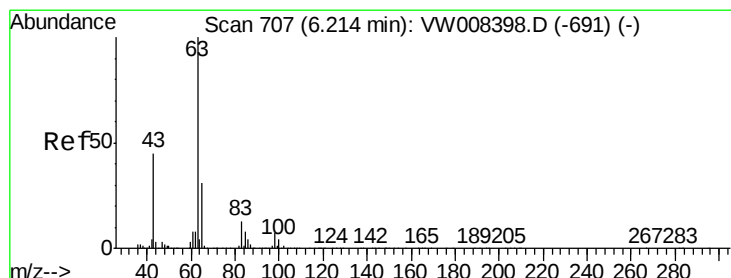
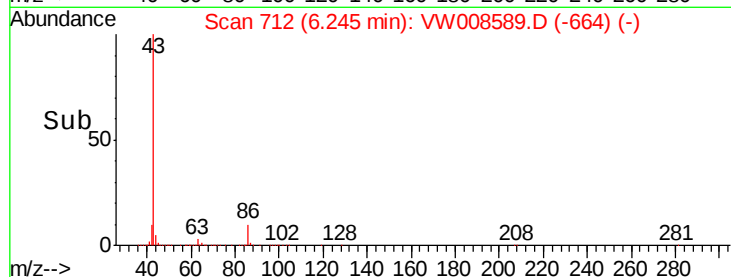
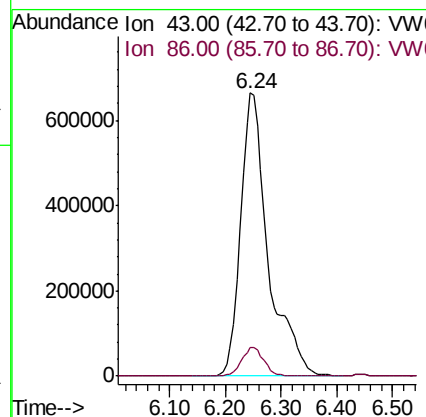
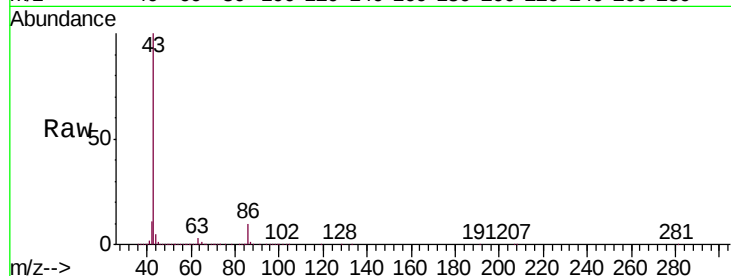
VSTDCCC050

Tgt Ion: 43 Resp: 2279092

Ion Ratio Lower Upper

43 100

86 10.2 7.8 11.8



#24

1,1-Dichloroethane

Concen: 52.216 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW008589.D

Acq: 11 Feb 2019 11:09

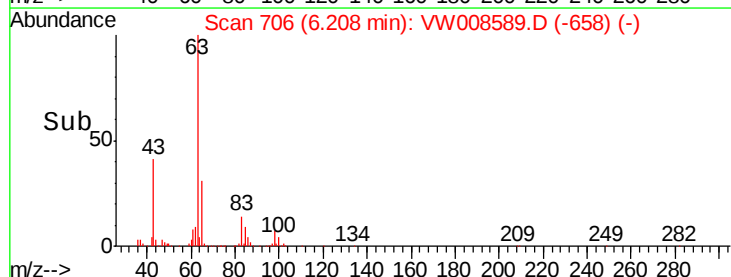
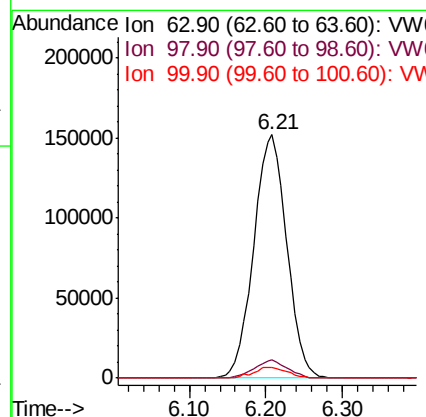
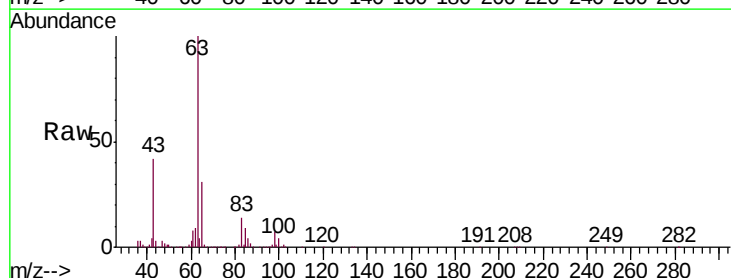
Tgt Ion: 63 Resp: 457189

Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.5

100 4.2 2.1 6.2





#25

2-Butanone

Concen: 250.158 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008589.D

Acq: 11 Feb 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

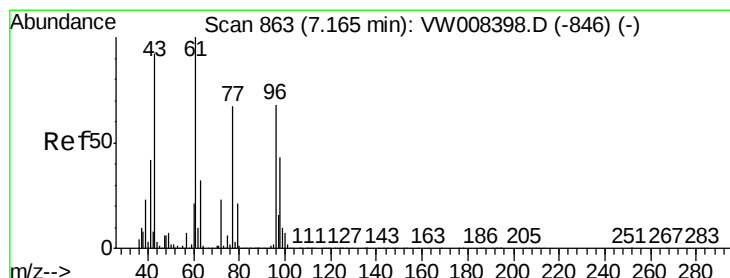
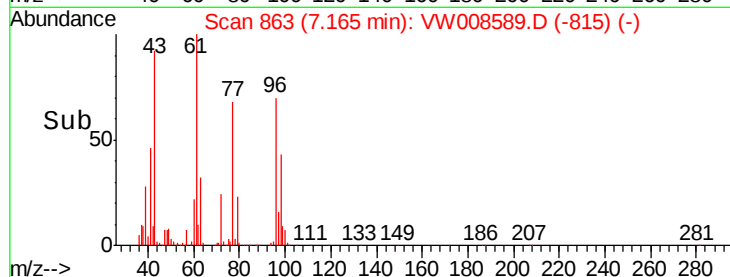
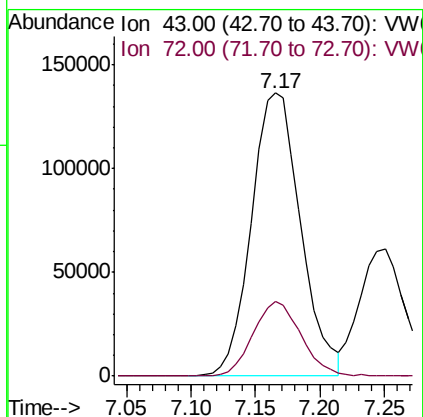
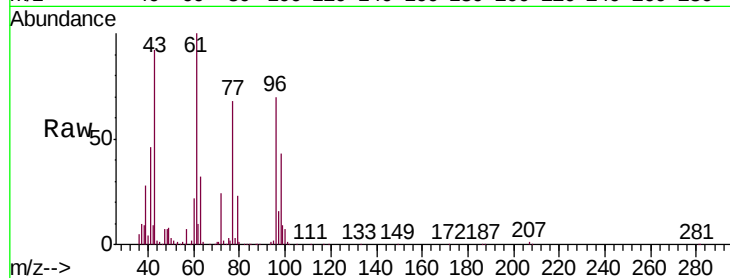
VSTDCCC050

Tgt Ion: 43 Resp: 359959

Ion Ratio Lower Upper

43 100

72 26.4 20.1 30.1



#26

2,2-Dichloropropane

Concen: 54.400 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW008589.D

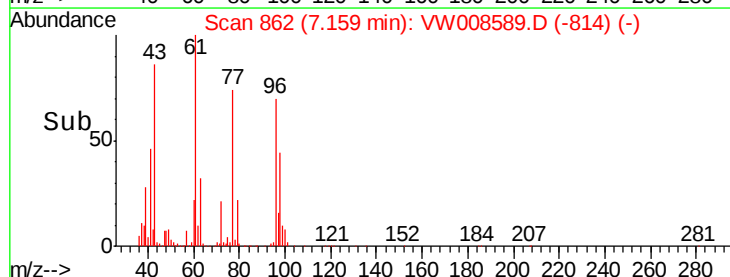
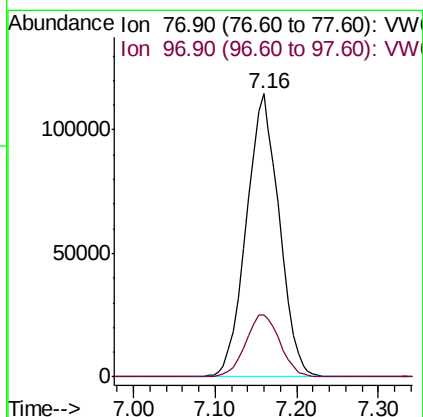
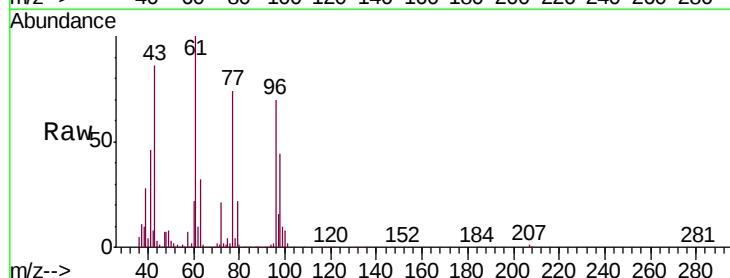
Acq: 11 Feb 2019 11:09

Tgt Ion: 77 Resp: 321961

Ion Ratio Lower Upper

77 100

97 23.0 11.5 34.5



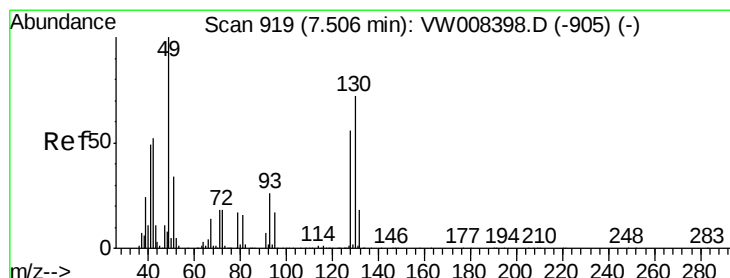
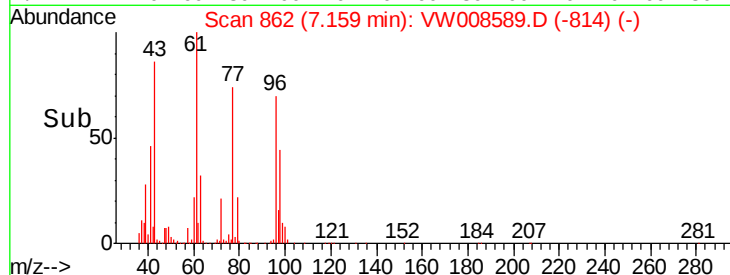
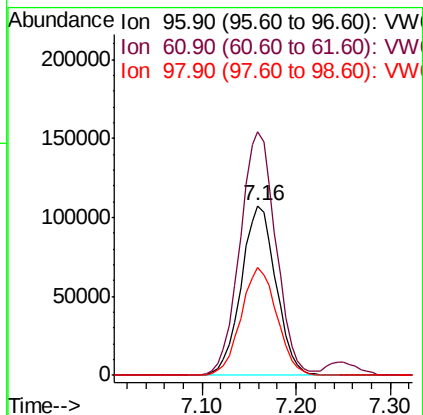
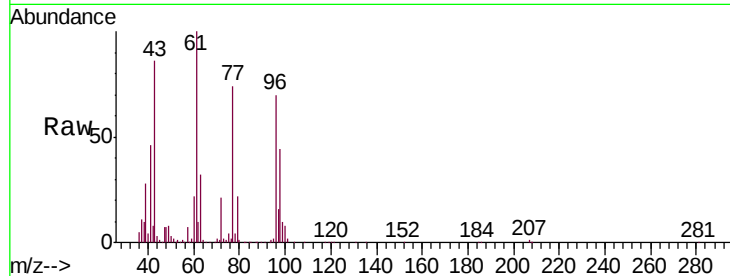


#27

cis-1,2-Dichloroethene
 Concen: 52.784 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW008589.D
 Acq: 11 Feb 2019 11:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

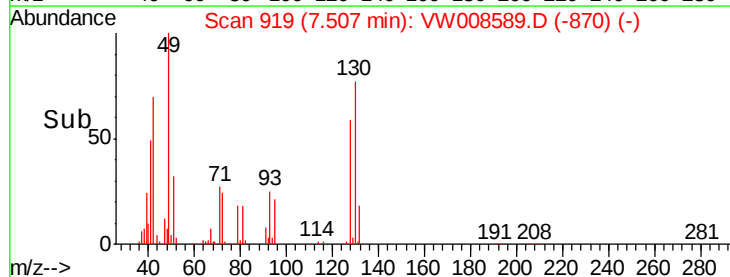
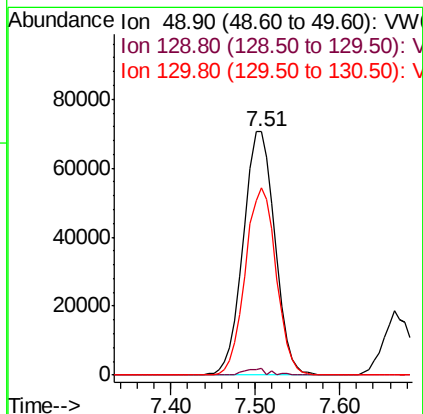
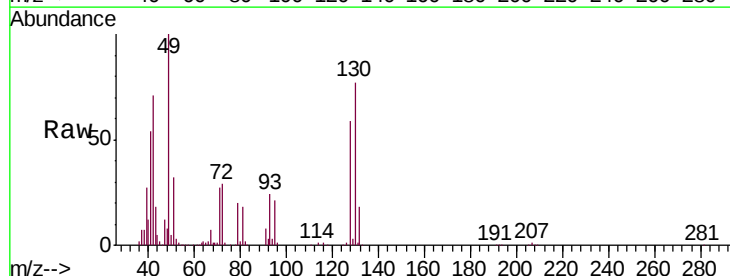
Tgt Ion: 96 Resp: 277974
 Ion Ratio Lower Upper
 96 100
 61 147.9 0.0 292.8
 98 65.4 0.0 129.2

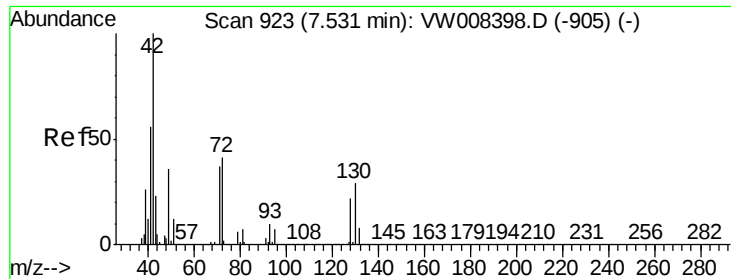


#28

Bromochloromethane
 Concen: 44.625 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW008589.D
 Acq: 11 Feb 2019 11:09

Tgt Ion: 49 Resp: 179461
 Ion Ratio Lower Upper
 49 100
 129 1.9 0.0 4.6
 130 74.9 58.6 87.8

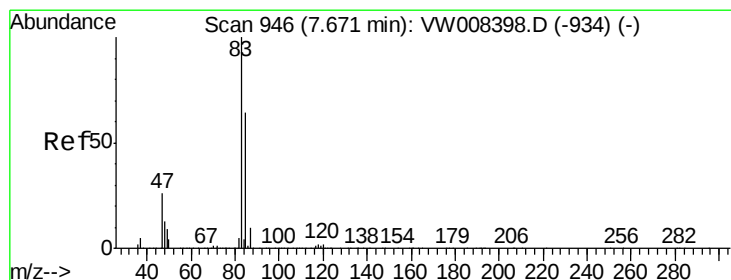
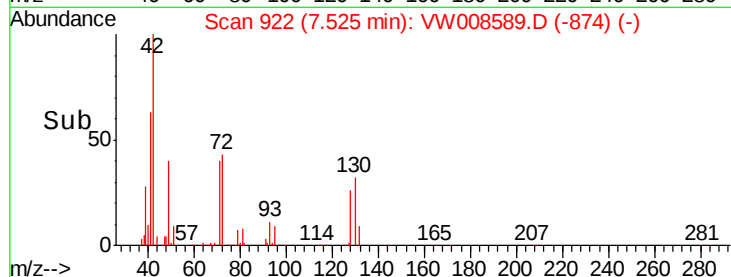
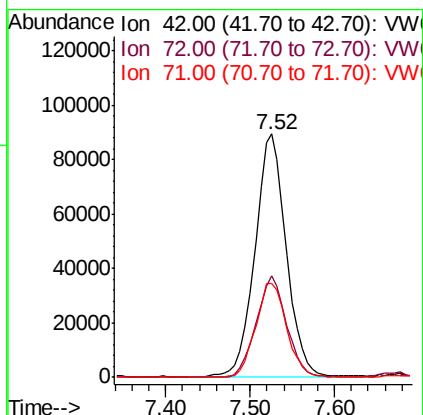
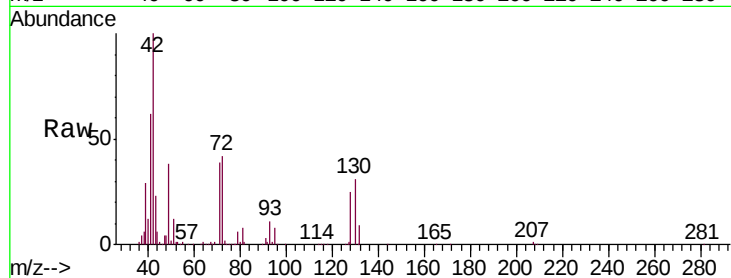




#29
Tetrahydrofuran
Concen: 249.554 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW008589.D
Acq: 11 Feb 2019 11:09

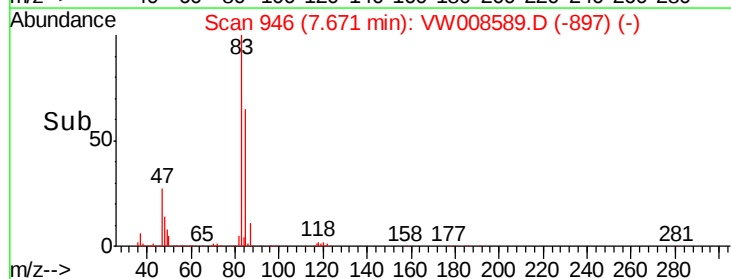
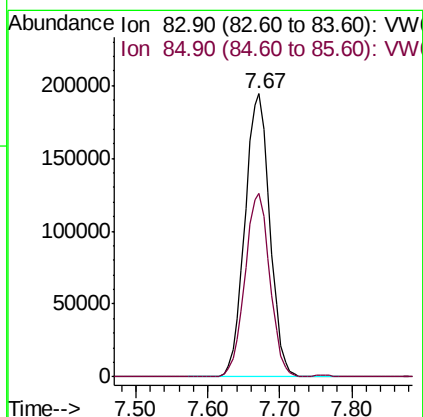
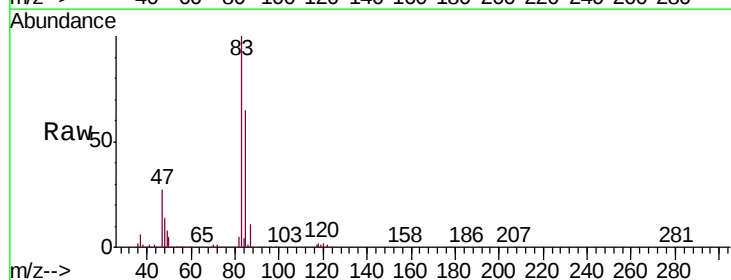
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

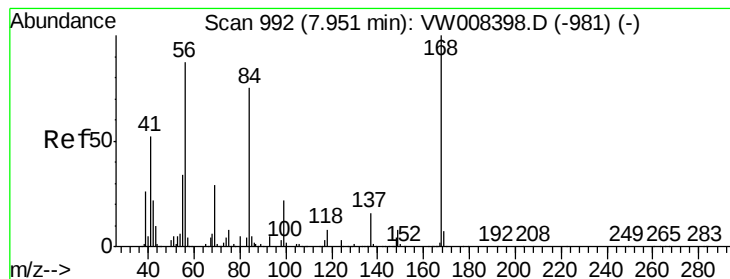
Tgt Ion	Ratio	Lower	Upper
42	100		
72	40.2	31.9	47.9
71	38.7	29.9	44.9



#30
Chloroform
Concen: 54.038 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW008589.D
Acq: 11 Feb 2019 11:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.9	76.3





#31

Cyclohexane

Concen: 45.102 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008589.D

Acq: 11 Feb 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

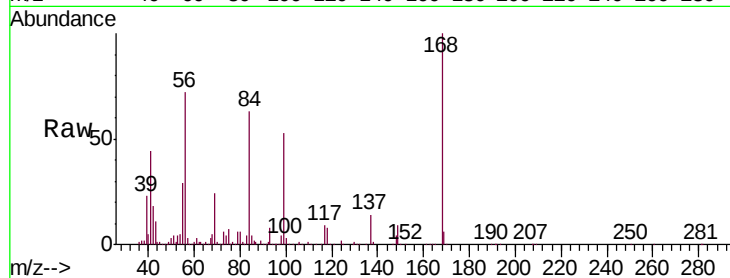
Tgt Ion: 56 Resp: 408339

Ion Ratio Lower Upper

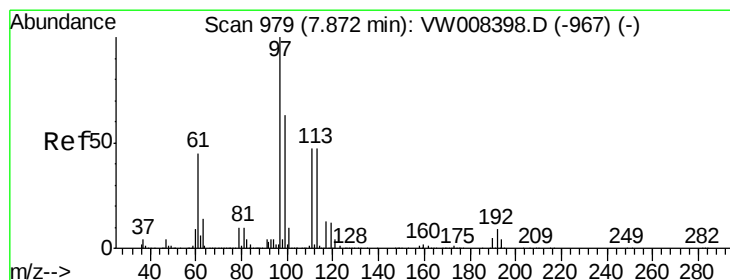
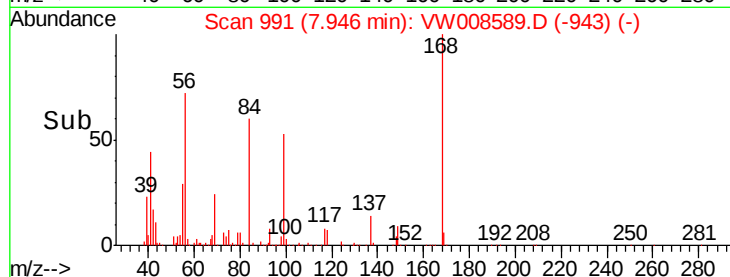
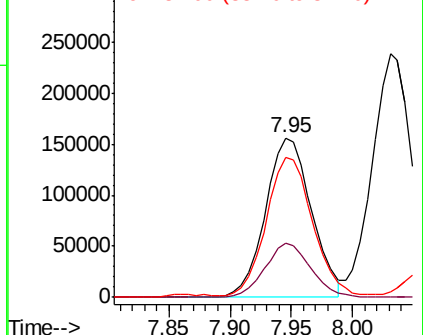
56 100

69 33.6 26.4 39.6

84 85.7 69.1 103.7



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



#32

1,1,1-Trichloroethane

Concen: 54.115 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW008589.D

Acq: 11 Feb 2019 11:09

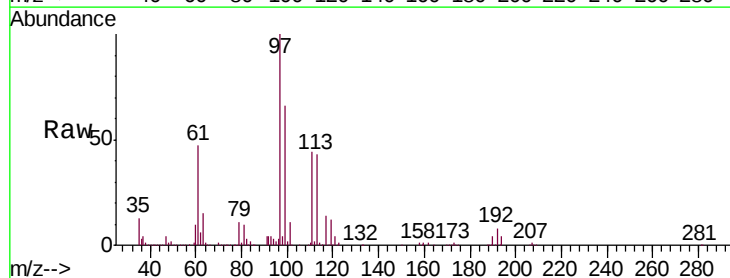
Tgt Ion: 97 Resp: 402538

Ion Ratio Lower Upper

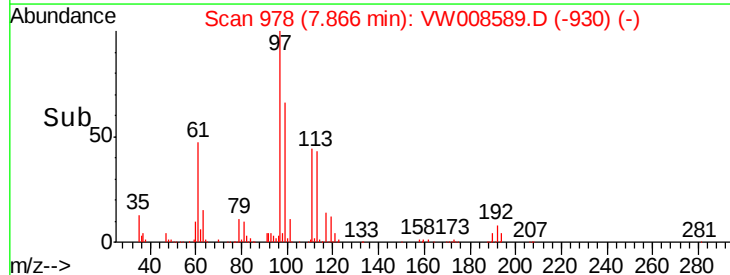
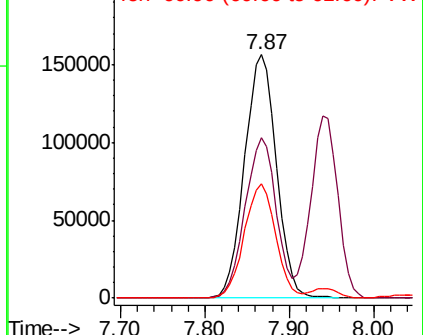
97 100

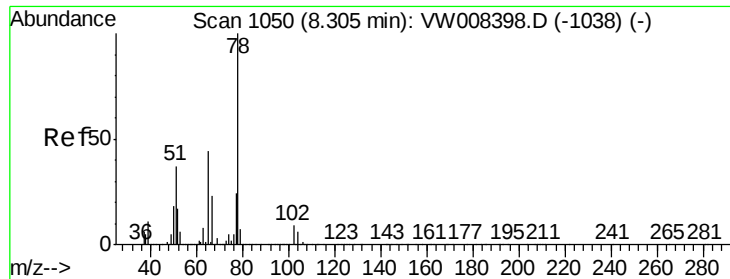
99 64.3 51.3 76.9

61 46.3 36.2 54.4



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

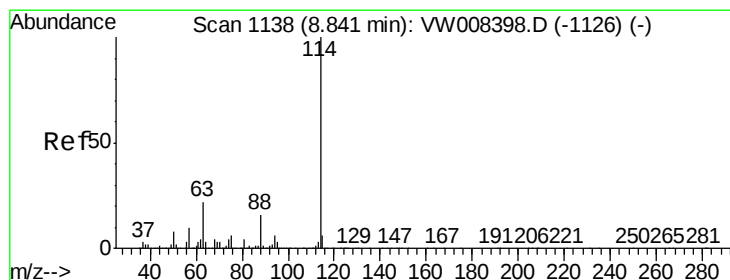
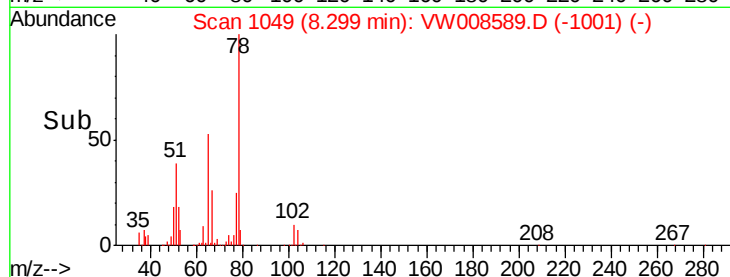
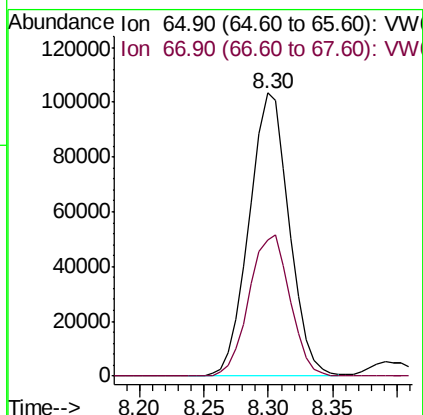
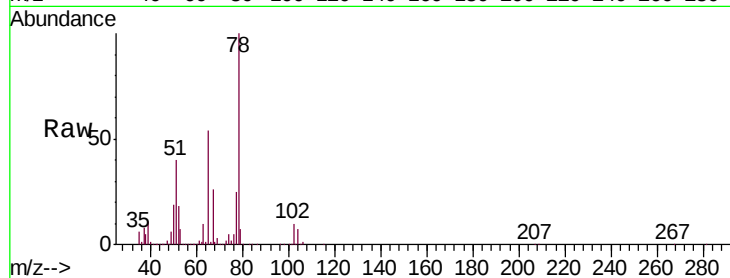




#33
 1,2-Dichloroethane-d4
 Concen: 48.180 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW008589.D
 Acq: 11 Feb 2019 11:09

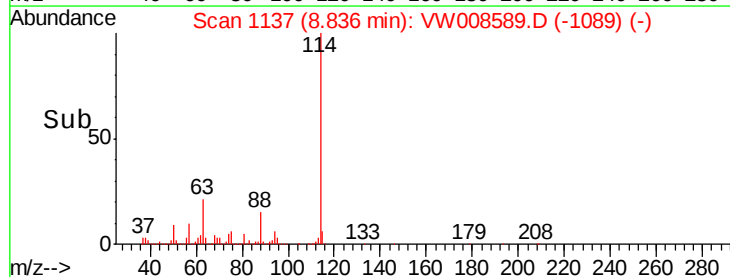
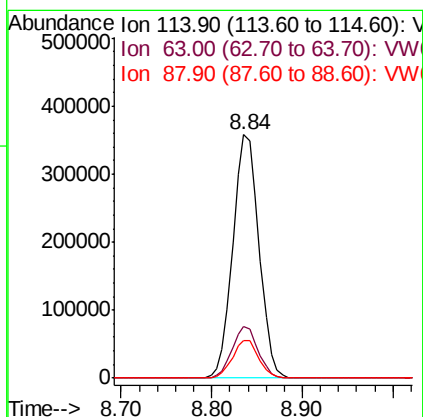
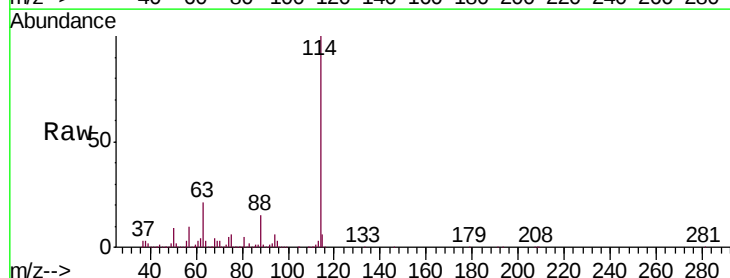
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

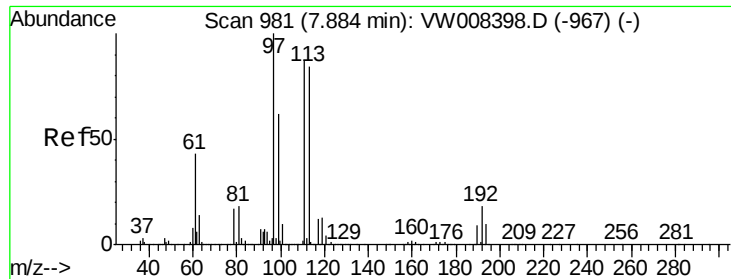
Tgt Ion: 65 Resp: 222264
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW008589.D
 Acq: 11 Feb 2019 11:09

Tgt Ion: 114 Resp: 715755
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 43.6
 88 15.2 0.0 31.8

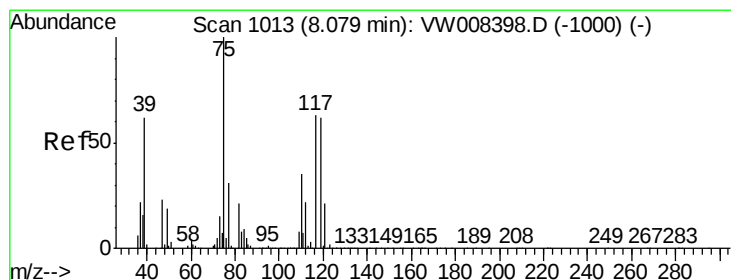
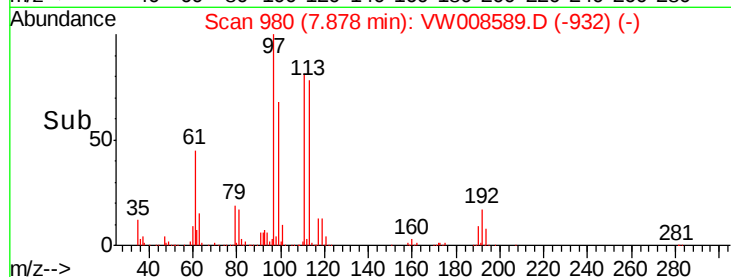
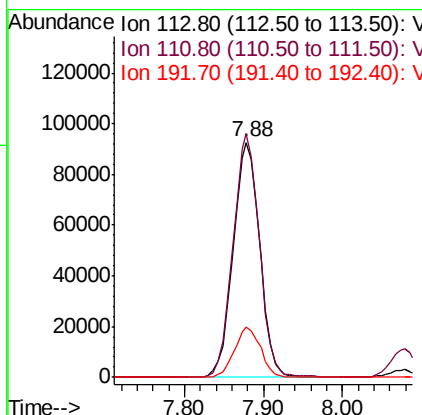
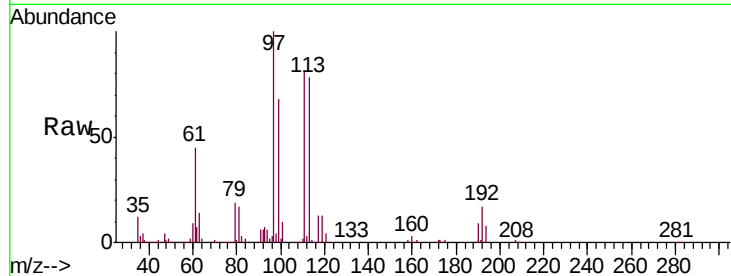




#35
 Dibromofluoromethane
 Concen: 51.641 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW008589.D
 Acq: 11 Feb 2019 11:09

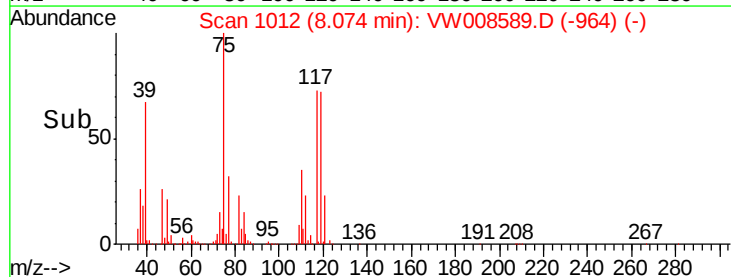
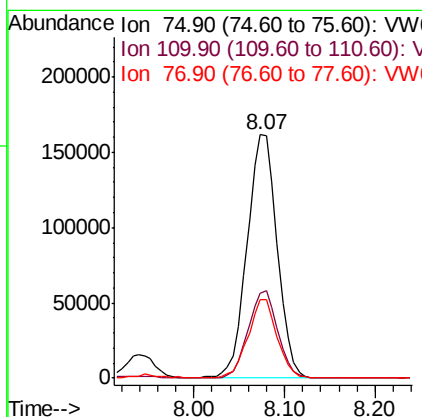
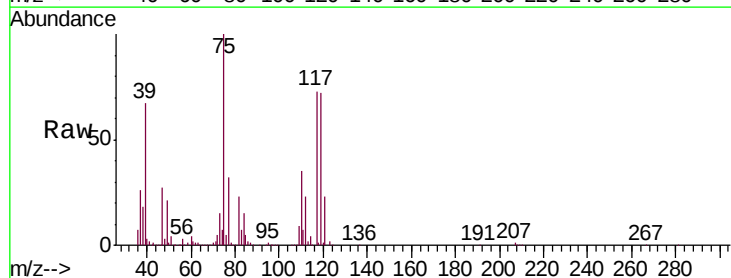
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

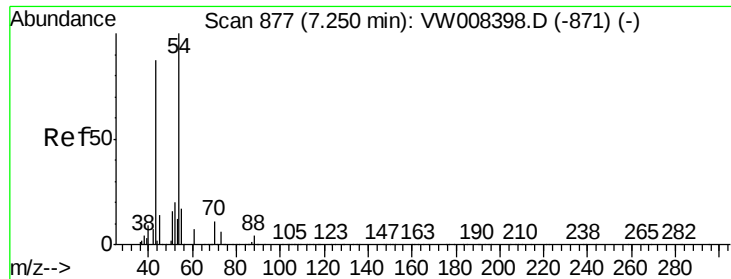
Tgt Ion: 113 Resp: 216130
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.0 121.4
 192 21.1 16.8 25.2



#36
 1,1-Dichloropropene
 Concen: 54.781 ug/l
 RT: 8.07 min Scan# 1012
 Delta R.T. -0.01 min
 Lab File: VW008589.D
 Acq: 11 Feb 2019 11:09

Tgt Ion: 75 Resp: 370381
 Ion Ratio Lower Upper
 75 100
 110 35.3 17.3 52.0
 77 31.6 24.7 37.1

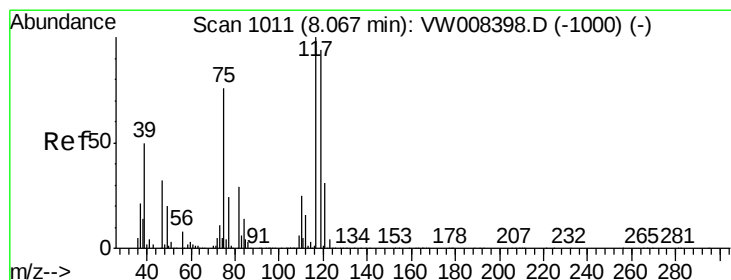
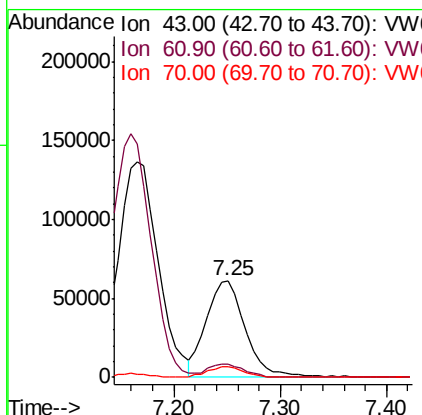
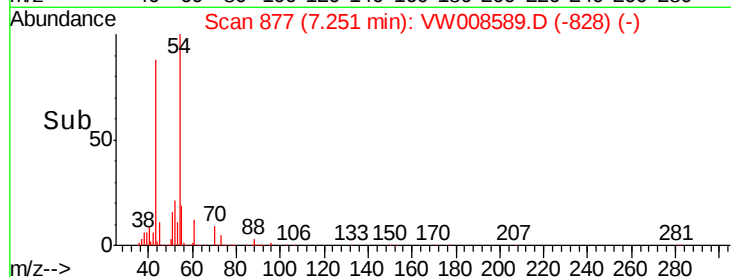
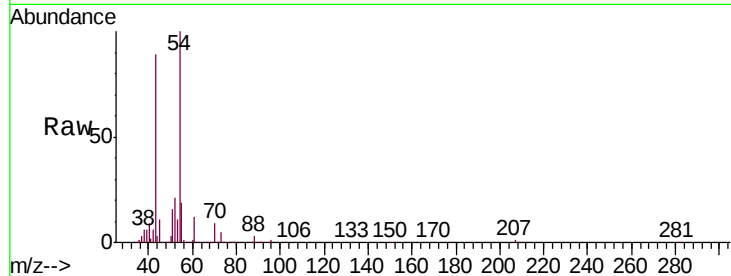




#37
Ethyl Acetate
Concen: 50.993 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW008589.D
Acq: 11 Feb 2019 11:09

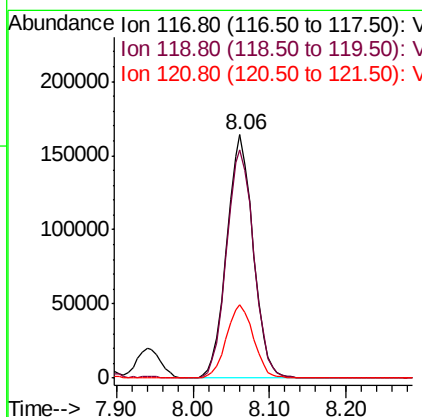
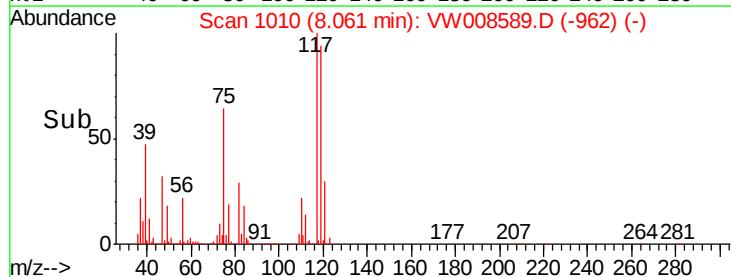
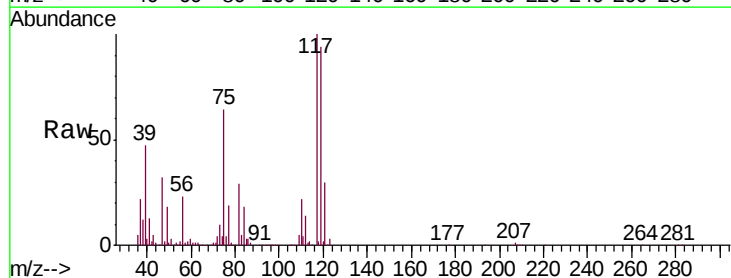
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

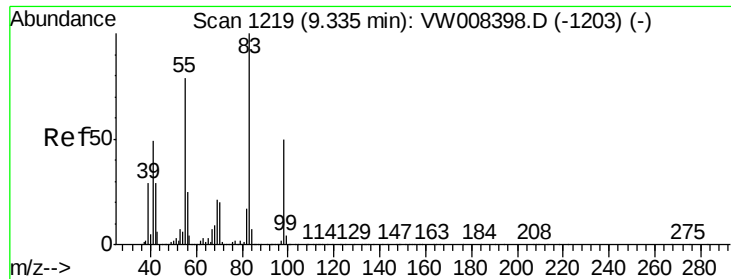
Tgt Ion: 43 Resp: 152534
Ion Ratio Lower Upper
43 100
61 13.3 10.1 15.1
70 10.4 7.8 11.6



#38
Carbon Tetrachloride
Concen: 57.532 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW008589.D
Acq: 11 Feb 2019 11:09

Tgt Ion: 117 Resp: 391425
Ion Ratio Lower Upper
117 100
119 93.6 75.0 112.4
121 30.3 24.9 37.3

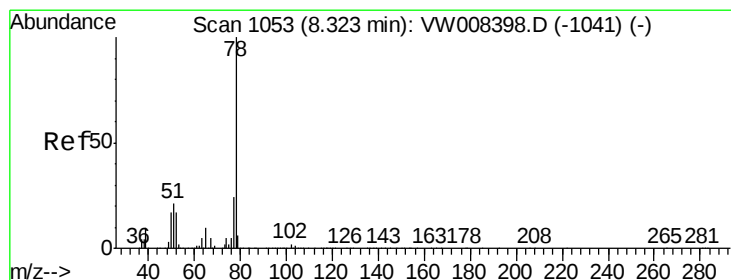
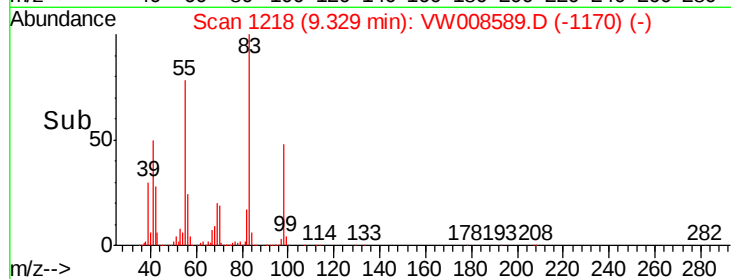
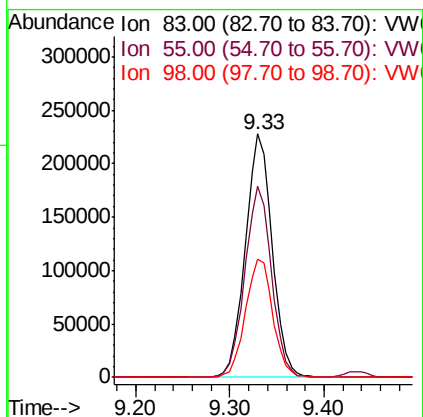
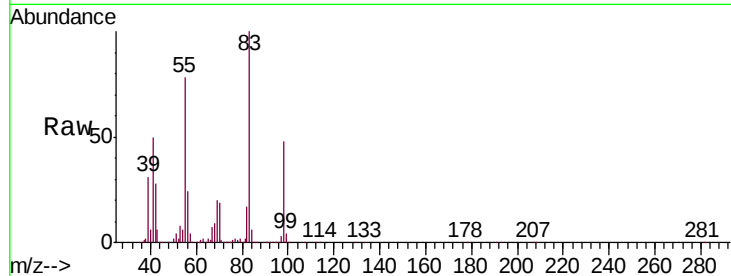




#39
Methylcyclohexane
Concen: 51.337 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW008589.D
Acq: 11 Feb 2019 11:09

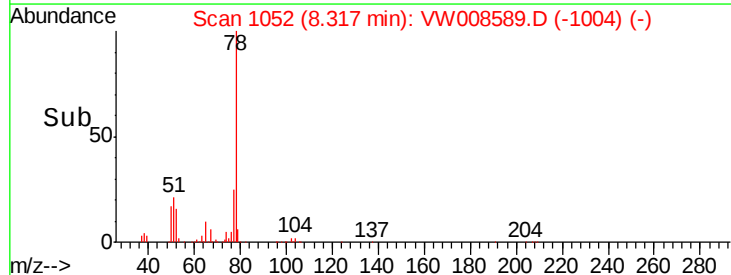
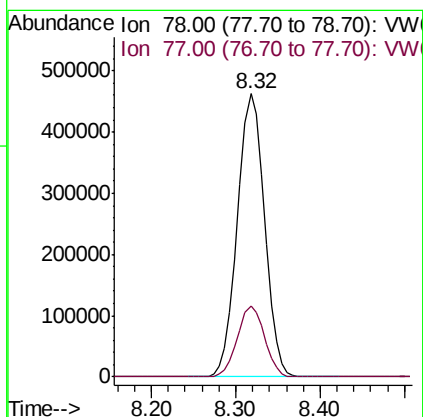
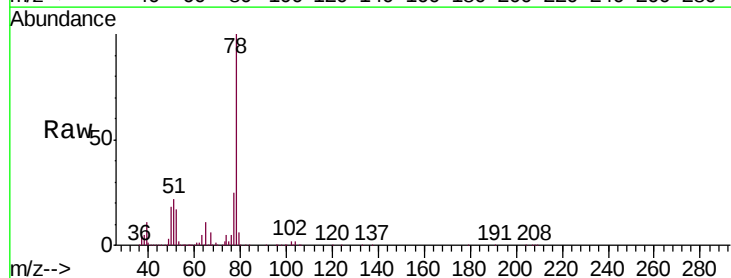
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 455971
Ion Ratio Lower Upper
83 100
55 78.2 63.3 94.9
98 48.5 39.7 59.5



#40
Benzene
Concen: 53.488 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW008589.D
Acq: 11 Feb 2019 11:09

Tgt Ion: 78 Resp: 1003501
Ion Ratio Lower Upper
78 100
77 24.9 19.0 28.6





#41

Methacrylonitrile

Concen: 50.868 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW008589.D

Acq: 11 Feb 2019 11:09

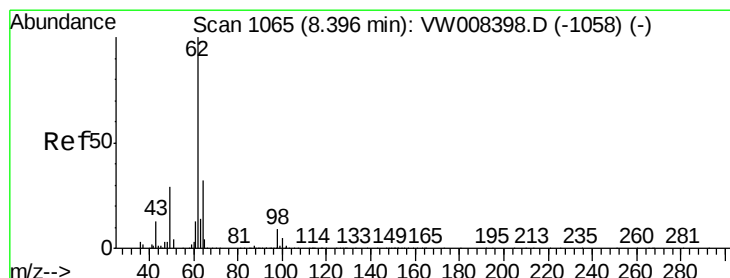
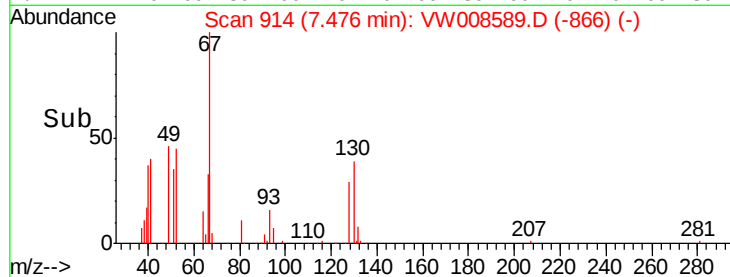
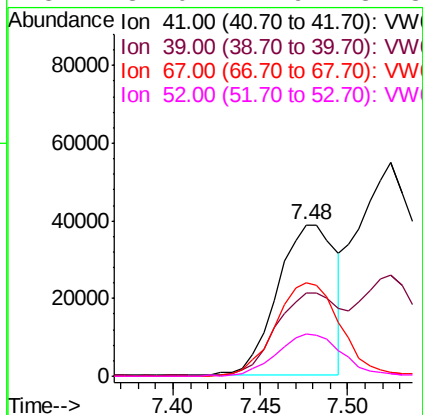
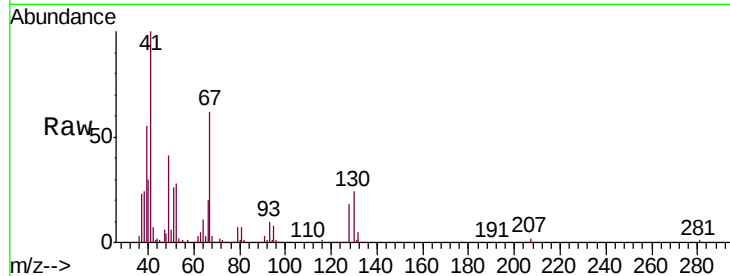
Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion:	41	Resp:	90097
Ion	Ratio	Lower	Upper
41	100		
39	63.0	43.4	65.0
67	69.9	54.2	81.2
52	32.0	22.9	34.3



#42

1,2-Dichloroethane

Concen: 55.678 ug/l

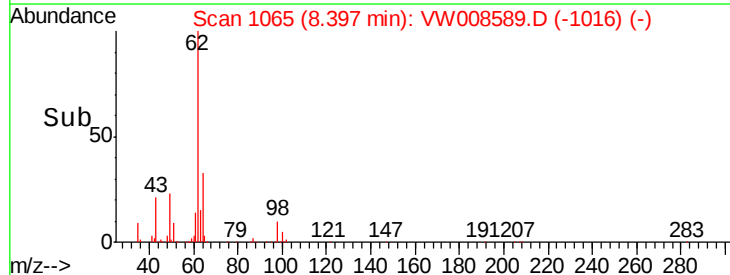
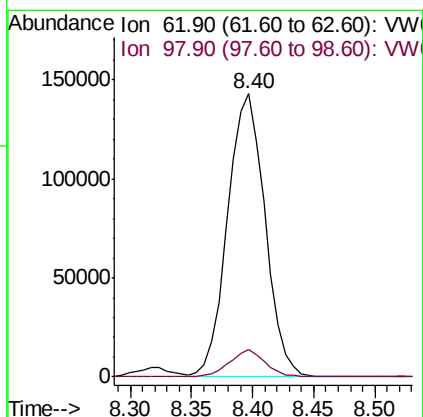
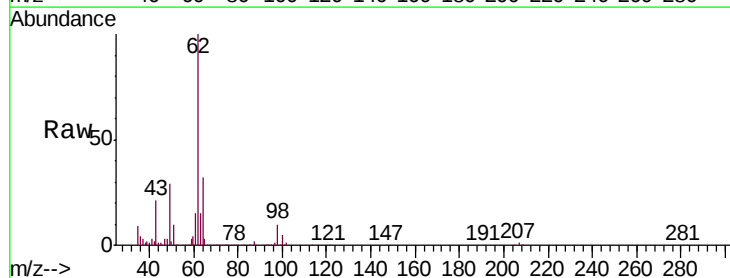
RT: 8.40 min Scan# 1065

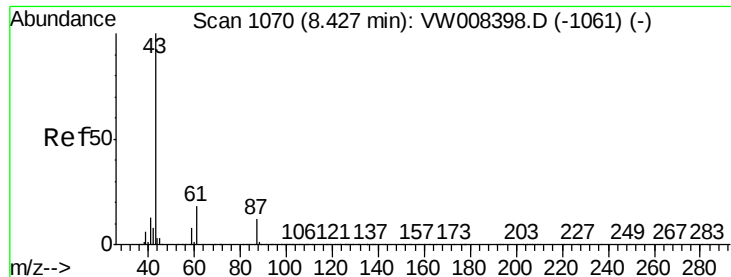
Delta R.T. 0.00 min

Lab File: VW008589.D

Acq: 11 Feb 2019 11:09

Tgt Ion:	62	Resp:	302718
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.6





#43

Isopropyl Acetate

Concen: 51.743 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW008589.D

Acq: 11 Feb 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

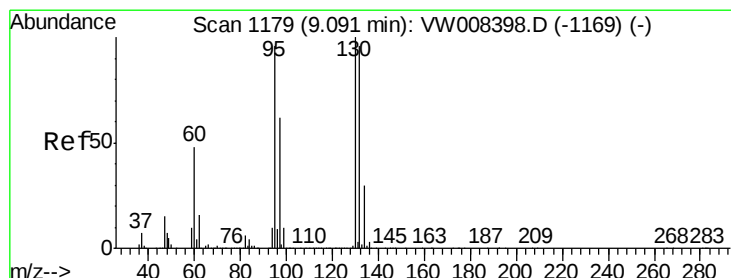
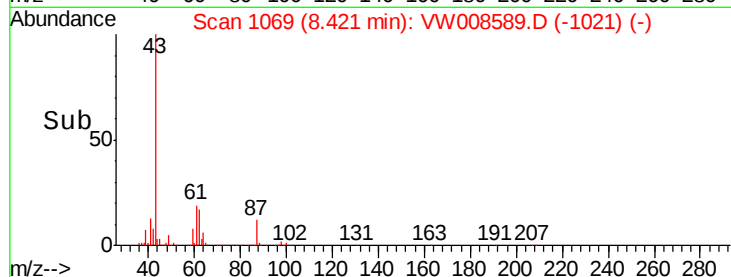
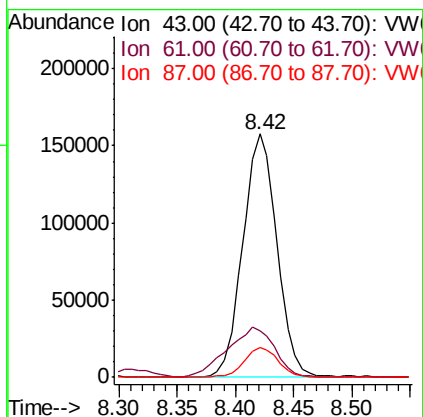
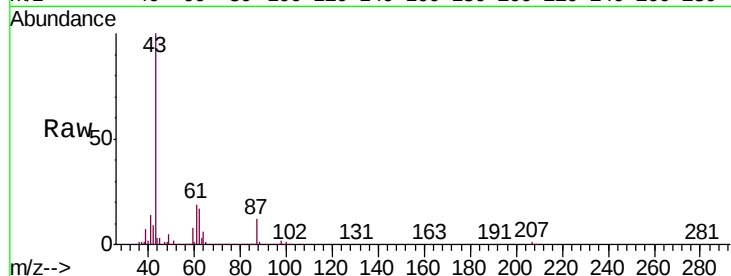
Tgt Ion: 43 Resp: 321561

Ion Ratio Lower Upper

43 100

61 28.5 22.0 33.0

87 12.4 9.3 13.9



#44

Trichloroethene

Concen: 55.574 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW008589.D

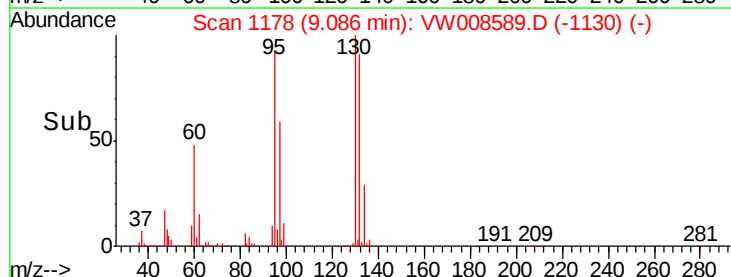
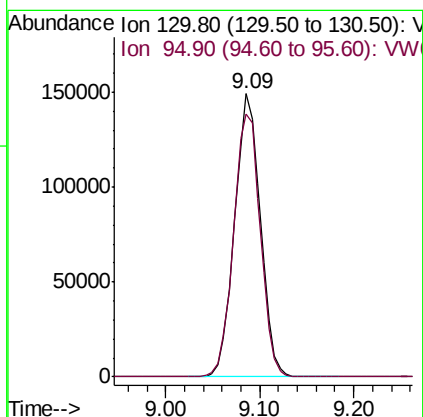
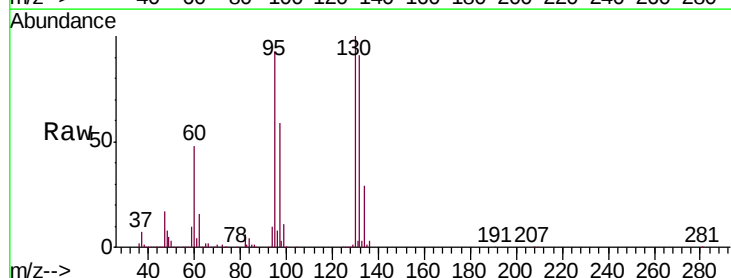
Acq: 11 Feb 2019 11:09

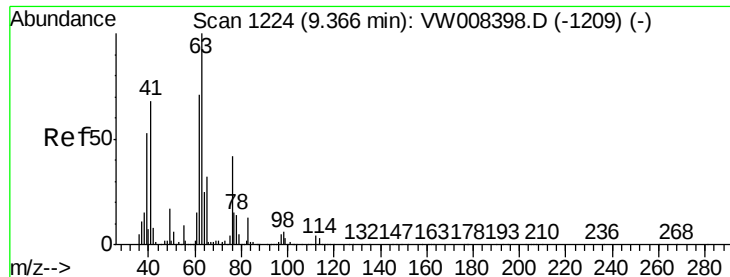
Tgt Ion: 130 Resp: 283526

Ion Ratio Lower Upper

130 100

95 92.7 0.0 191.6





#45

1,2-Dichloropropane

Concen: 54.055 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW008589.D

Acq: 11 Feb 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

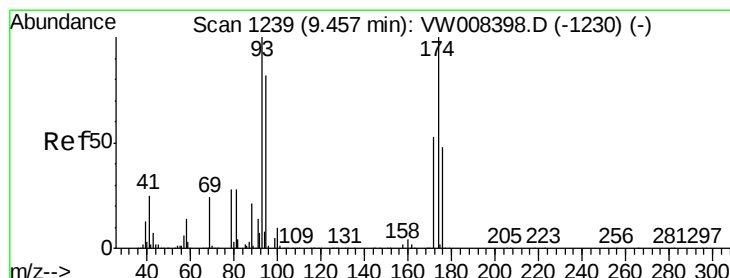
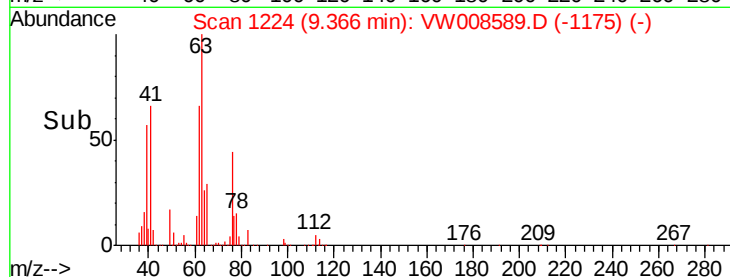
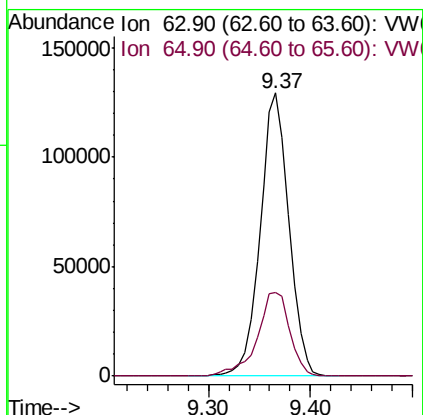
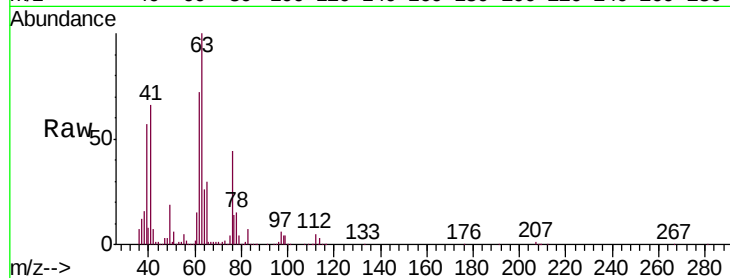
VSTDCCC050

Tgt Ion: 63 Resp: 252864

Ion Ratio Lower Upper

63 100

65 29.5 25.2 37.8



#46

Dibromomethane

Concen: 54.204 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.01 min

Lab File: VW008589.D

Acq: 11 Feb 2019 11:09

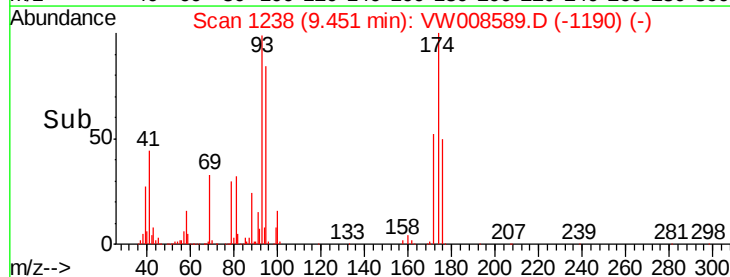
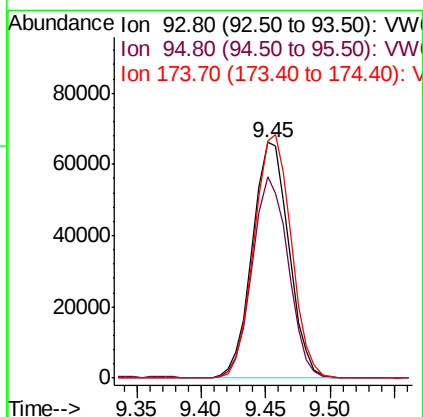
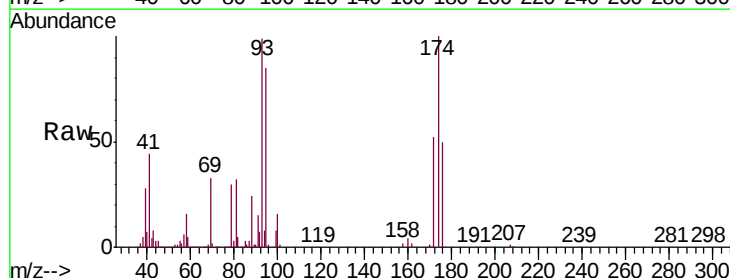
Tgt Ion: 93 Resp: 130416

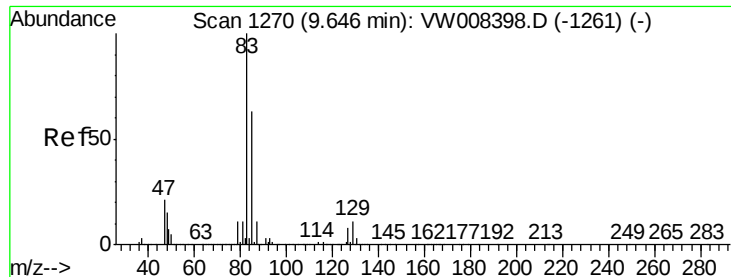
Ion Ratio Lower Upper

93 100

95 83.9 65.9 98.9

174 104.6 81.0 121.6





#47

Bromodichloromethane

Concen: 55.526 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW008589.D

Acq: 11 Feb 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

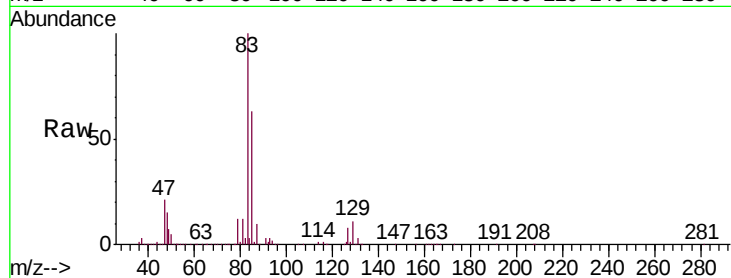
Tgt Ion: 83 Resp: 353364

Ion Ratio Lower Upper

83 100

85 63.1 50.8 76.2

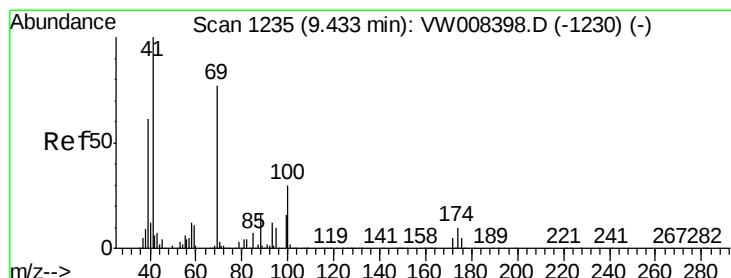
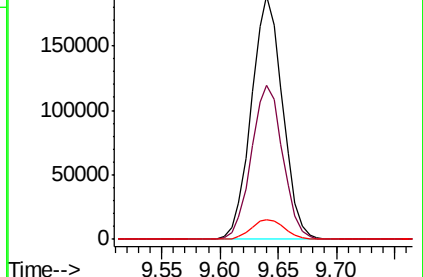
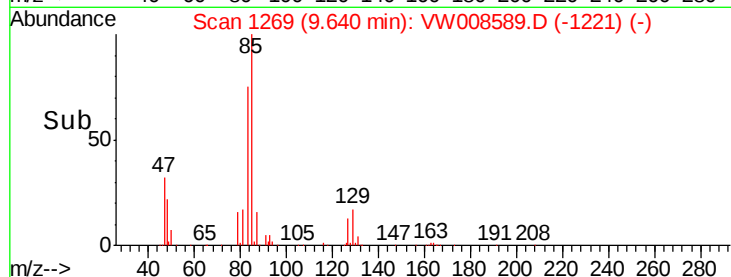
127 8.0 6.8 10.2



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: 51.094 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW008589.D

Acq: 11 Feb 2019 11:09

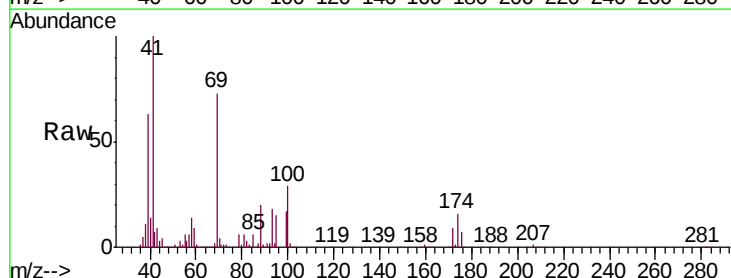
Tgt Ion: 41 Resp: 155259

Ion Ratio Lower Upper

41 100

69 77.6 64.8 97.2

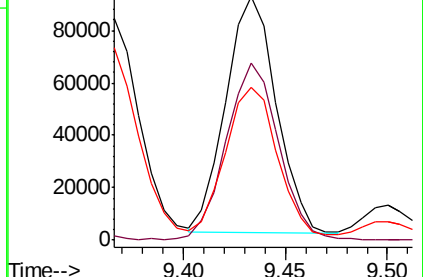
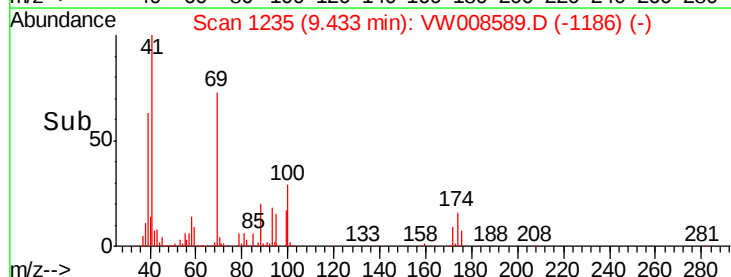
39 68.0 49.1 73.7

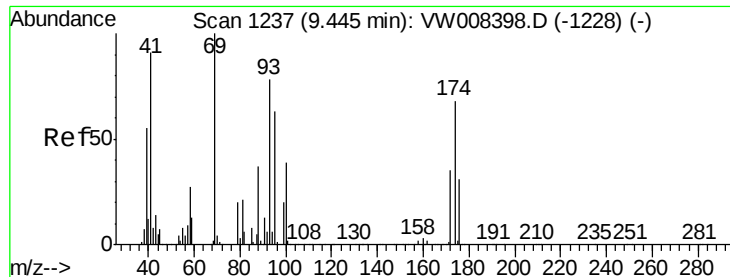


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

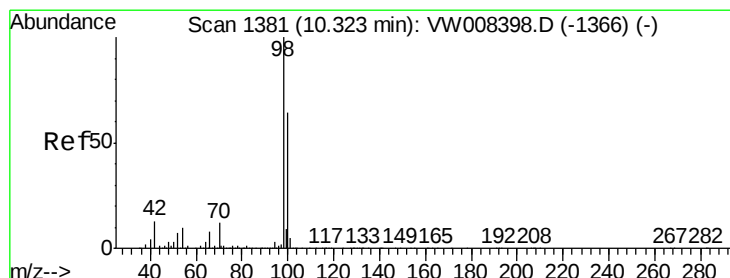
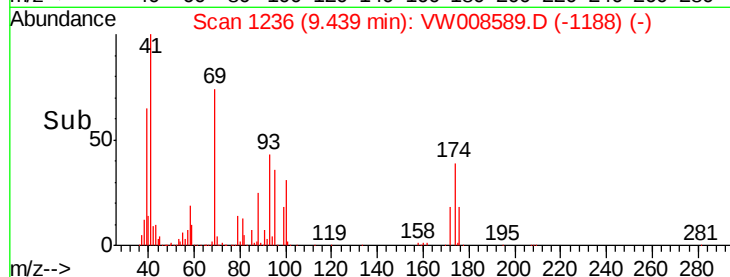
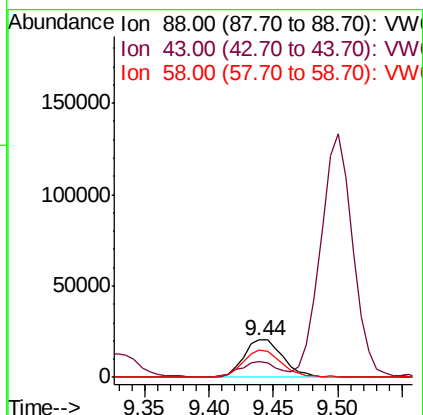
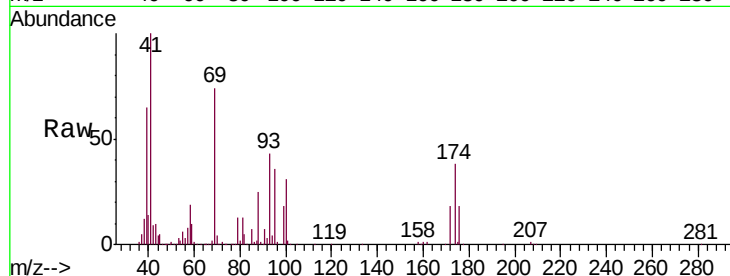




#49
1,4-Dioxane
Concen: 1073.423 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.01 min
Lab File: VW008589.D
Acq: 11 Feb 2019 11:09

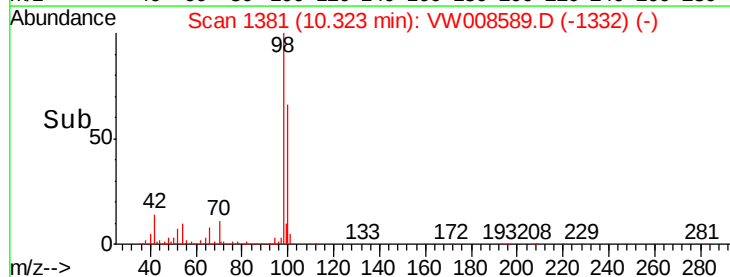
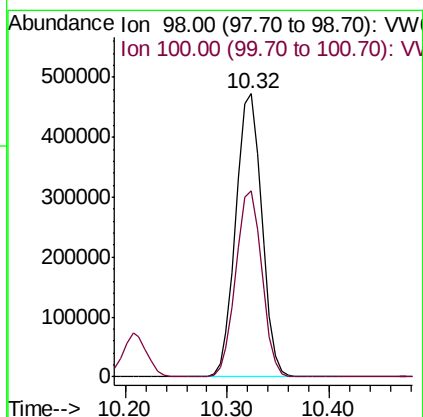
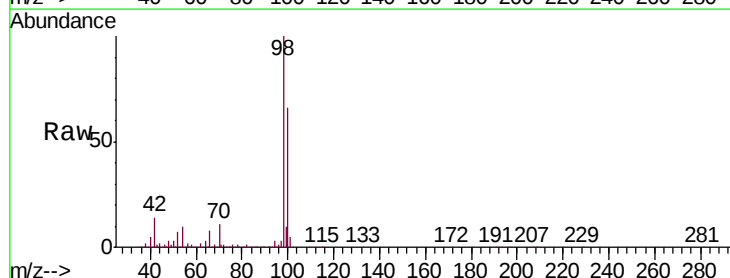
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

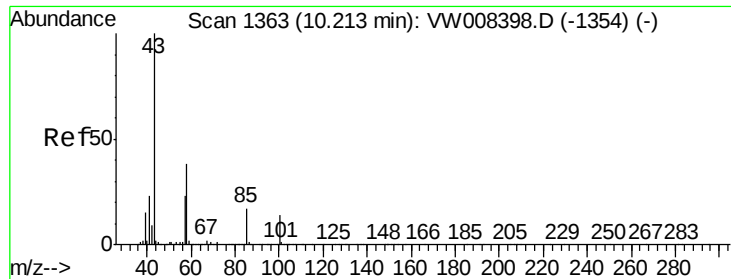
Tgt Ion: 88 Resp: 43655
Ion Ratio Lower Upper
88 100
43 37.3 29.0 43.4
58 73.3 56.4 84.6



#50
Toluene-d8
Concen: 49.779 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008589.D
Acq: 11 Feb 2019 11:09

Tgt Ion: 98 Resp: 835438
Ion Ratio Lower Upper
98 100
100 65.8 52.6 78.8

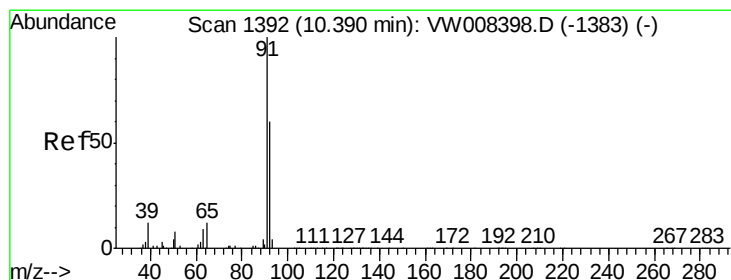
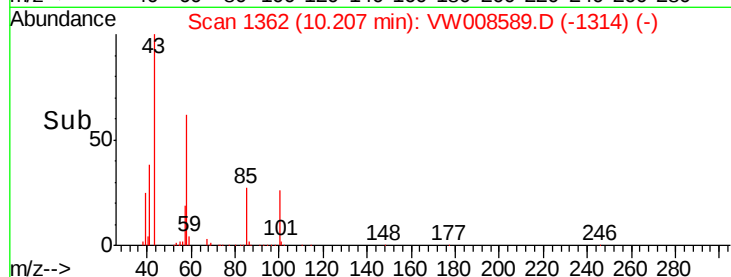
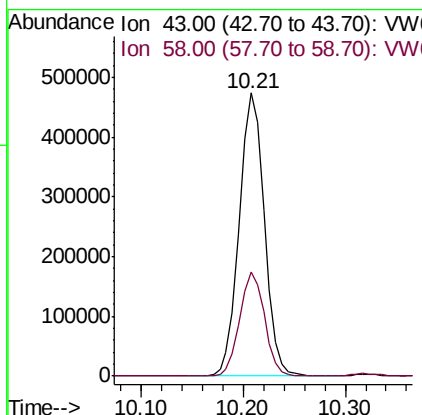
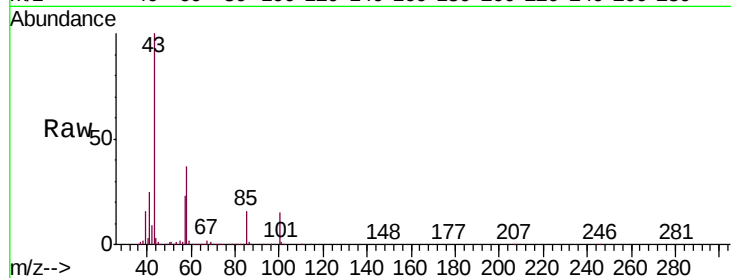




#51
 4-Methyl-2-Pentanone
 Concen: 263.237 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.01 min
 Lab File: VW008589.D
 Acq: 11 Feb 2019 11:09

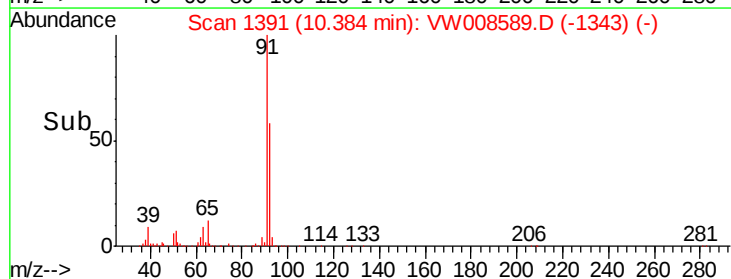
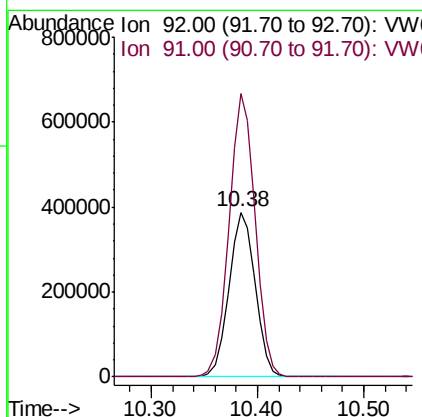
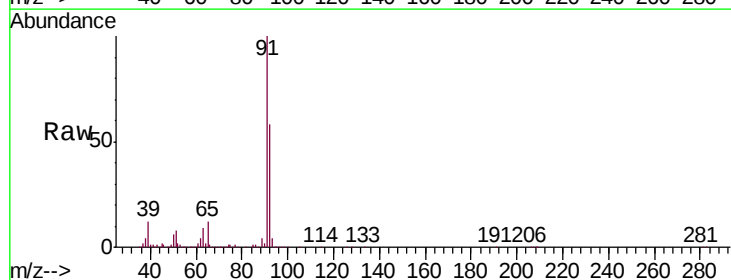
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

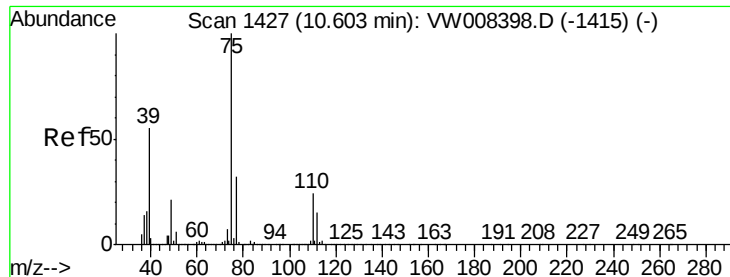
Tgt Ion: 43 Resp: 808181
 Ion Ratio Lower Upper
 43 100
 58 36.5 29.7 44.5



#52
 Toluene
 Concen: 53.901 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VW008589.D
 Acq: 11 Feb 2019 11:09

Tgt Ion: 92 Resp: 667548
 Ion Ratio Lower Upper
 92 100
 91 171.1 135.5 203.3





#53

t-1,3-Dichloropropene

Concen: 53.773 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008589.D

Acq: 11 Feb 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

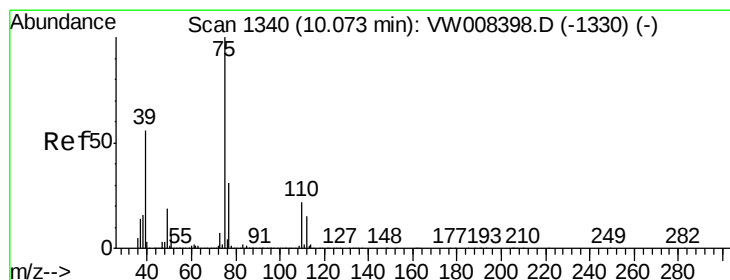
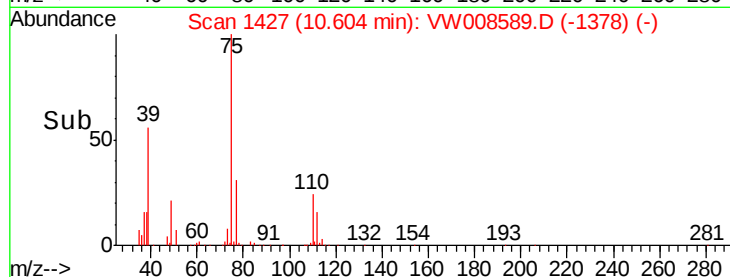
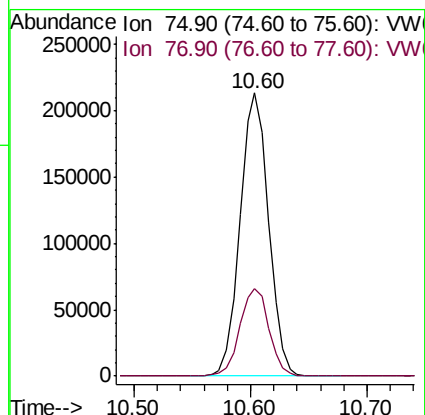
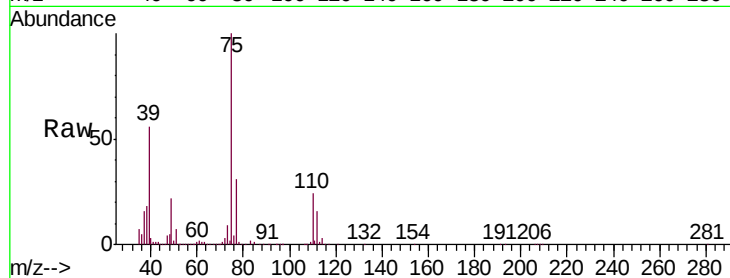
VSTDCCC050

Tgt Ion: 75 Resp: 364137

Ion Ratio Lower Upper

75 100

77 31.0 25.3 37.9



#54

cis-1,3-Dichloropropene

Concen: 54.131 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008589.D

Acq: 11 Feb 2019 11:09

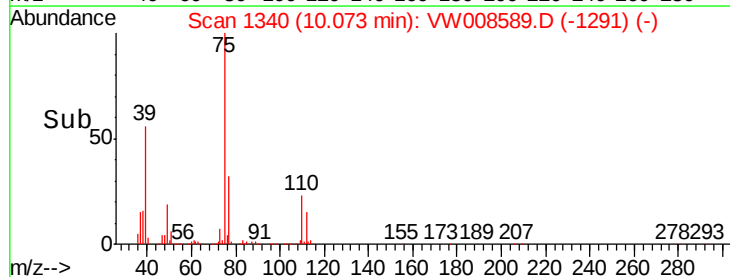
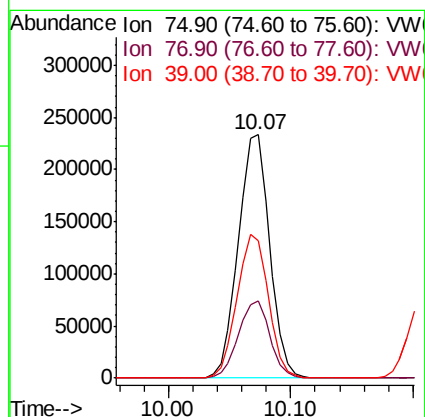
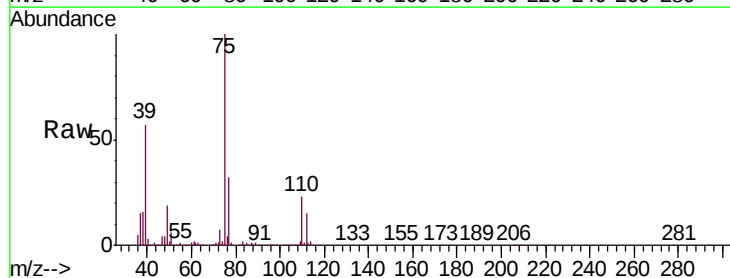
Tgt Ion: 75 Resp: 415984

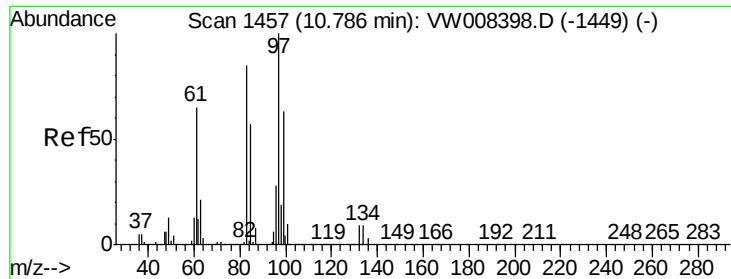
Ion Ratio Lower Upper

75 100

77 31.5 25.0 37.4

39 56.5 44.9 67.3

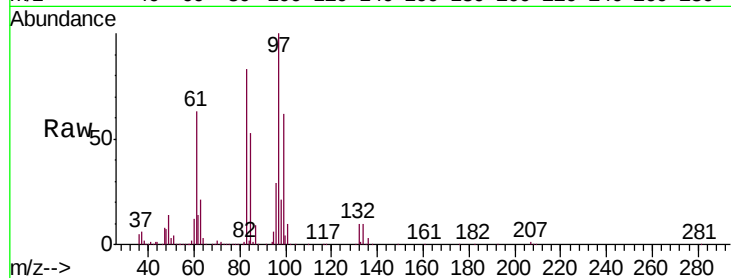




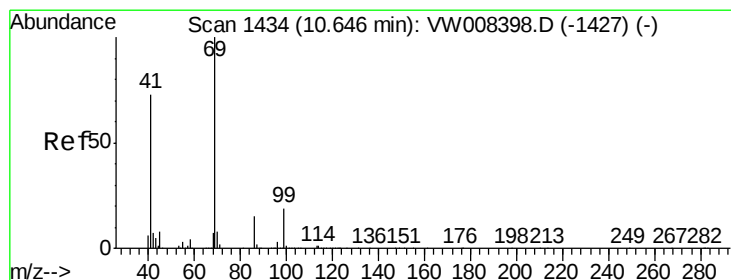
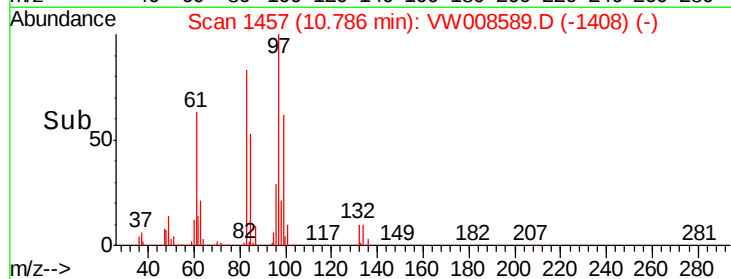
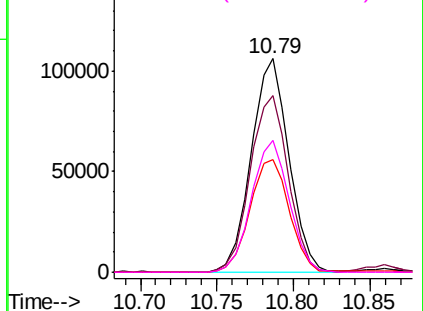
#55
 1,1,2-Trichloroethane
 Concen: 54.474 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008589.D
 Acq: 11 Feb 2019 11:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion:	97	Resp:	181795
Ion	Ratio	Lower	Upper
97	100		
83	82.7	68.4	102.6
85	52.9	45.3	67.9
99	61.8	50.6	76.0

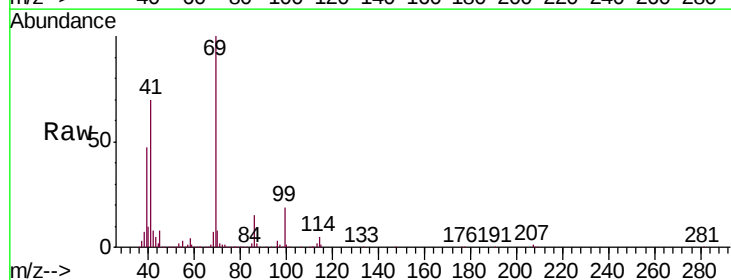


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

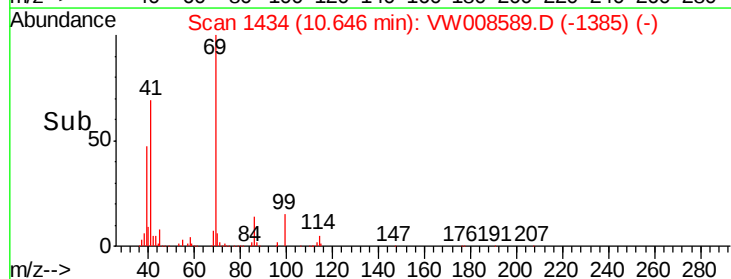
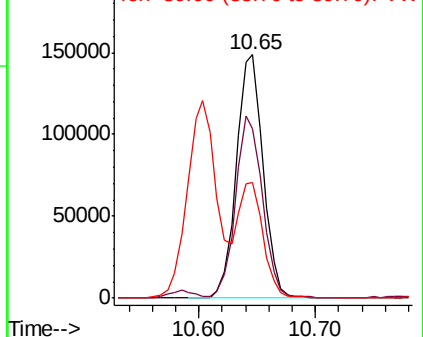


#56
 Ethyl methacrylate
 Concen: 50.681 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008589.D
 Acq: 11 Feb 2019 11:09

Tgt Ion:	69	Resp:	236994
Ion	Ratio	Lower	Upper
69	100		
41	75.4	58.7	88.1
39	43.4	32.6	48.8



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: 53.112 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW008589.D

Acq: 11 Feb 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

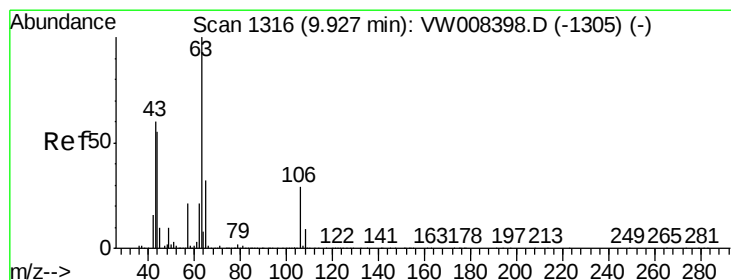
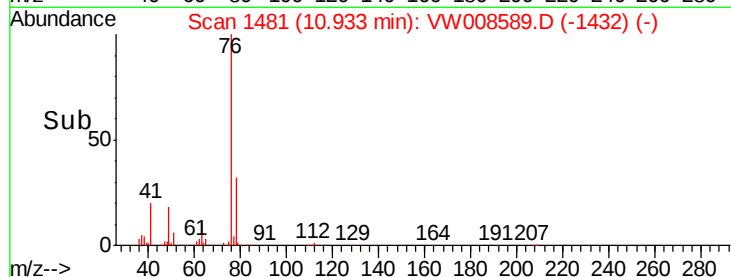
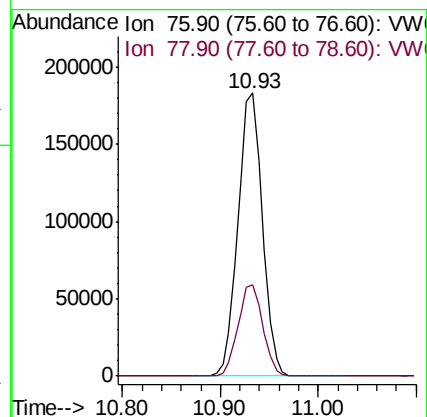
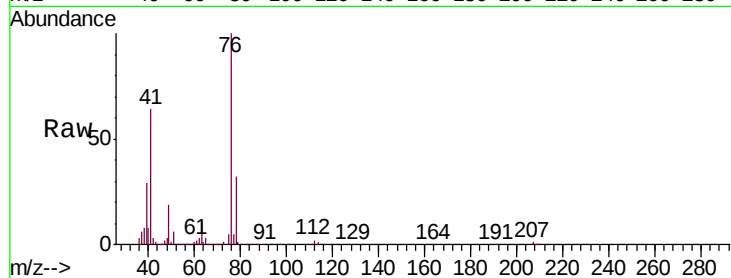
VSTDCCC050

Tgt Ion: 76 Resp: 317542

Ion Ratio Lower Upper

76 100

78 32.7 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 241.920 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VW008589.D

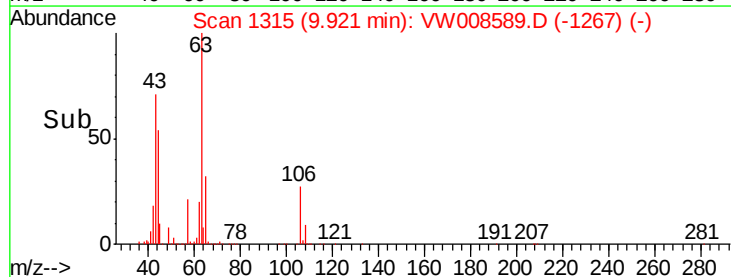
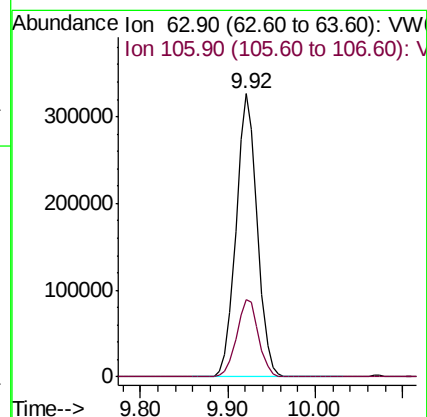
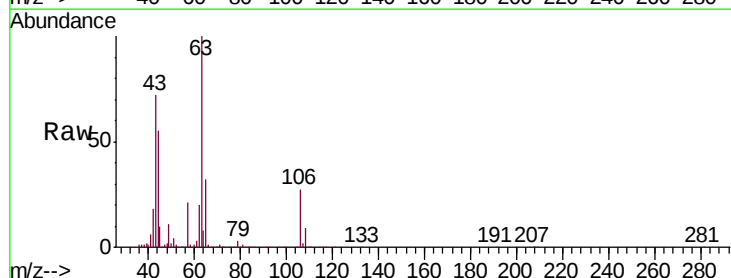
Acq: 11 Feb 2019 11:09

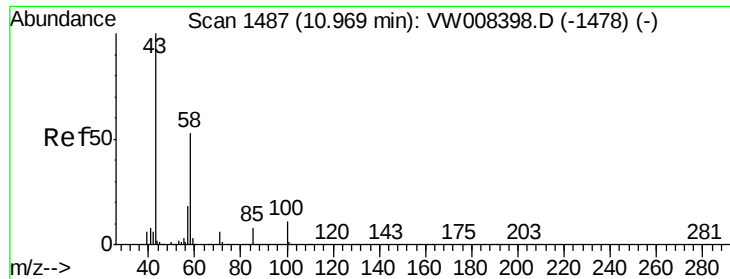
Tgt Ion: 63 Resp: 549654

Ion Ratio Lower Upper

63 100

106 28.3 22.4 33.6

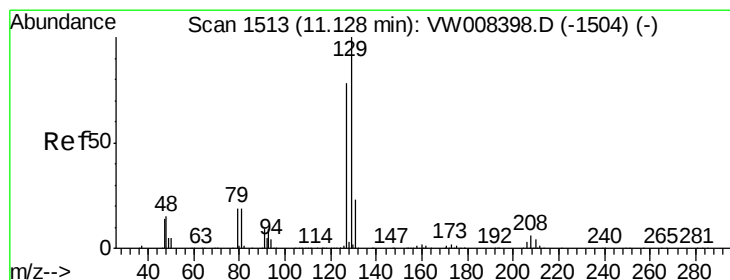
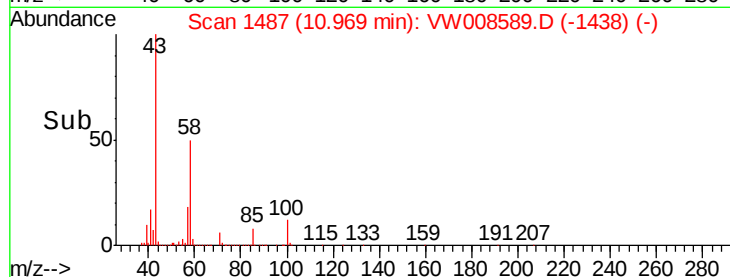
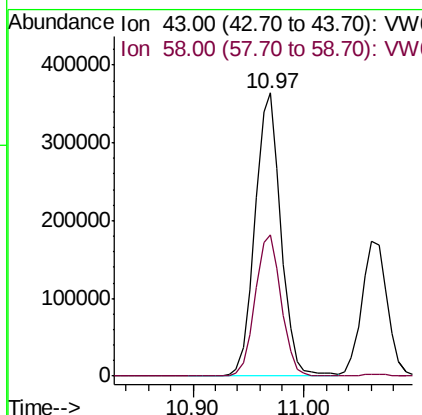
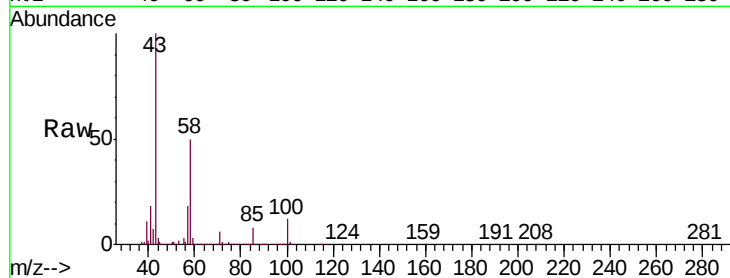




#59
2-Hexanone
Concen: 271.981 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008589.D
Acq: 11 Feb 2019 11:09

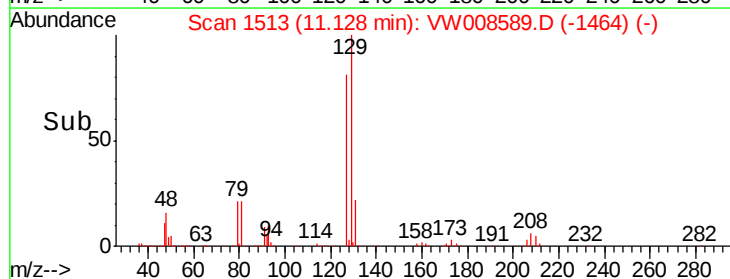
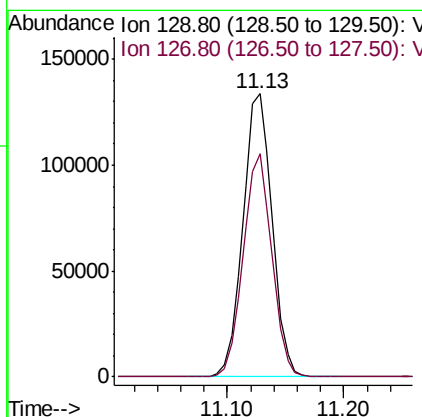
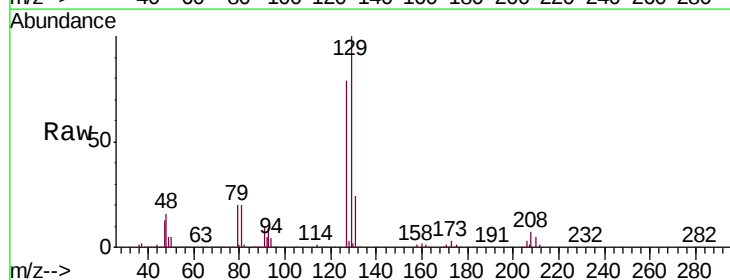
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 589495
Ion Ratio Lower Upper
43 100
58 50.1 25.9 77.7



#60
Dibromochloromethane
Concen: 54.554 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008589.D
Acq: 11 Feb 2019 11:09

Tgt Ion: 129 Resp: 233963
Ion Ratio Lower Upper
129 100
127 77.4 39.1 117.2

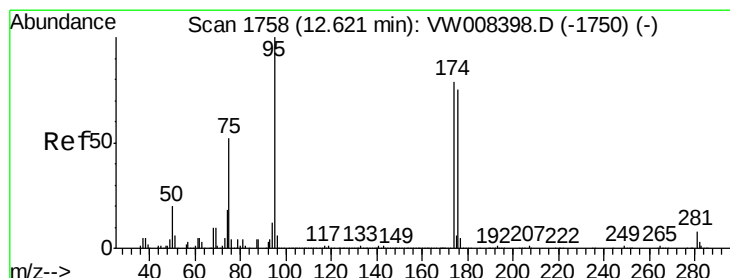
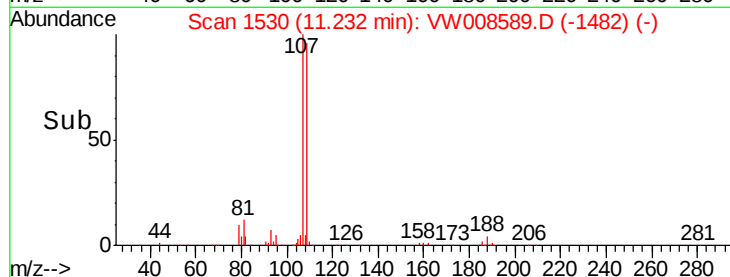
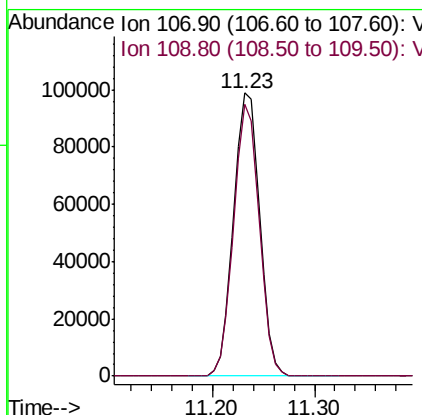
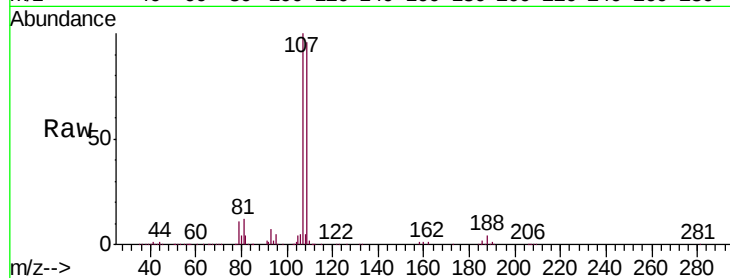




#61
 1,2-Dibromoethane
 Concen: 53.008 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW008589.D
 Acq: 11 Feb 2019 11:09

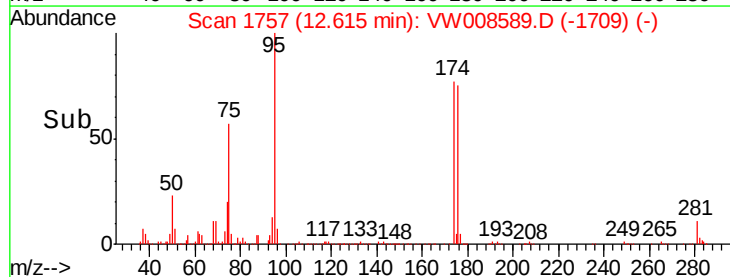
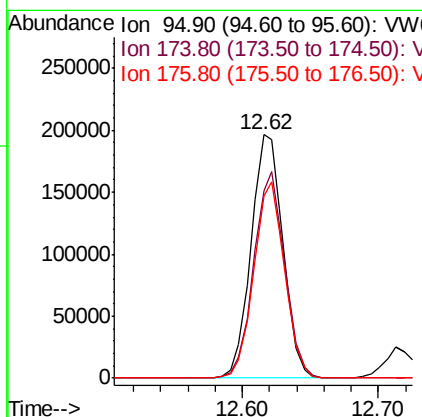
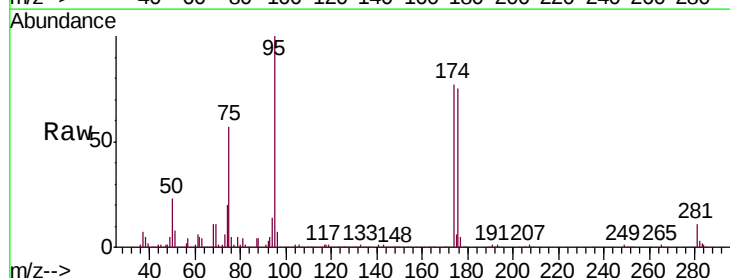
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

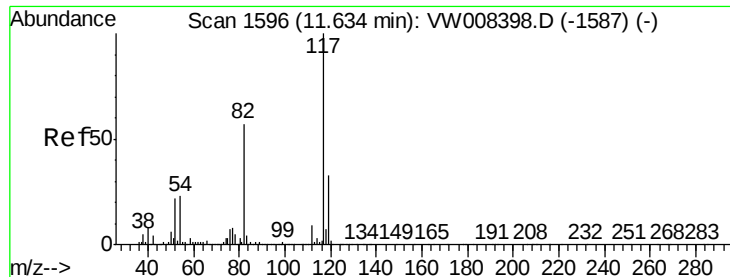
Tgt Ion: 107 Resp: 175405
 Ion Ratio Lower Upper
 107 100
 109 93.9 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 50.107 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW008589.D
 Acq: 11 Feb 2019 11:09

Tgt Ion: 95 Resp: 323249
 Ion Ratio Lower Upper
 95 100
 174 82.1 0.0 157.6
 176 78.1 0.0 151.8

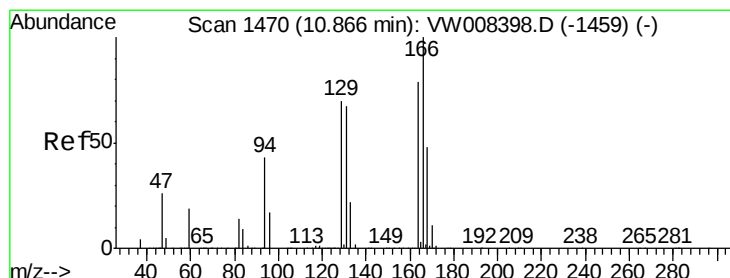
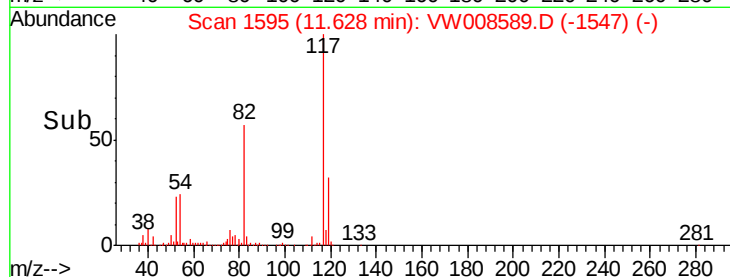
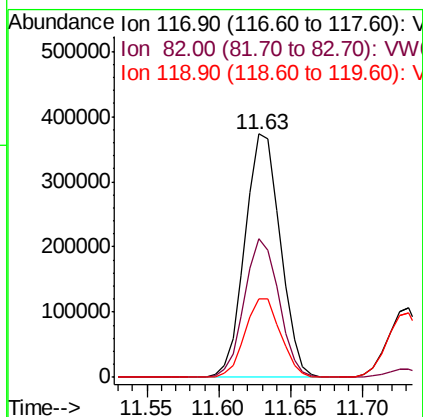
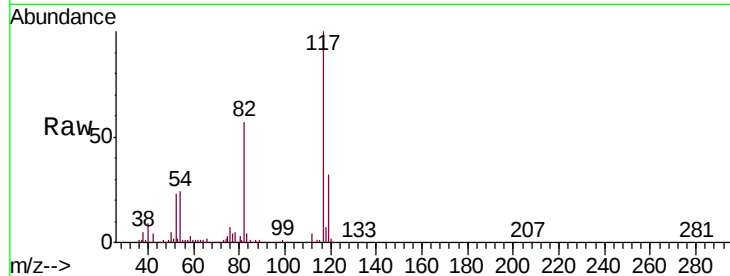




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW008589.D
Acq: 11 Feb 2019 11:09

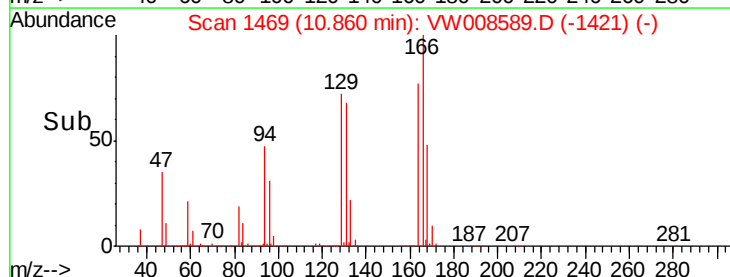
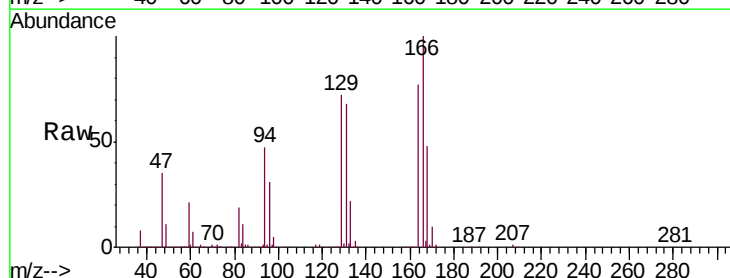
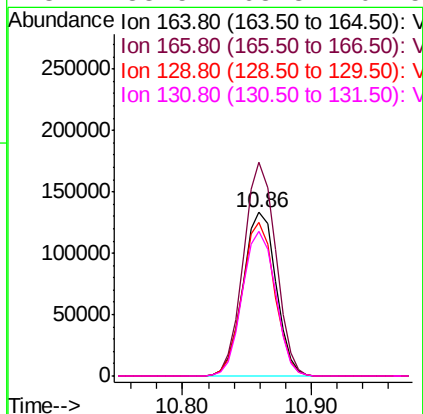
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

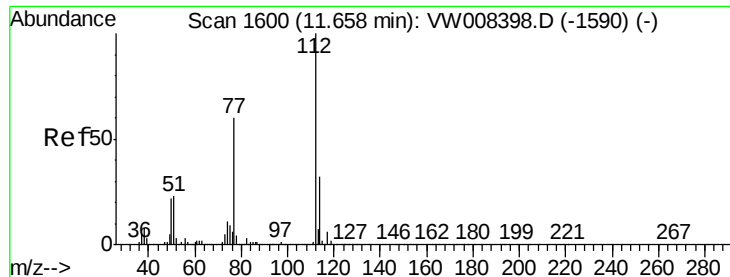
Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.7	45.4	68.0
119	32.2	26.2	39.4



#64
Tetrachloroethene
Concen: 54.757 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW008589.D
Acq: 11 Feb 2019 11:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.7	101.4	152.0
129	93.9	71.0	106.6
131	88.5	68.3	102.5

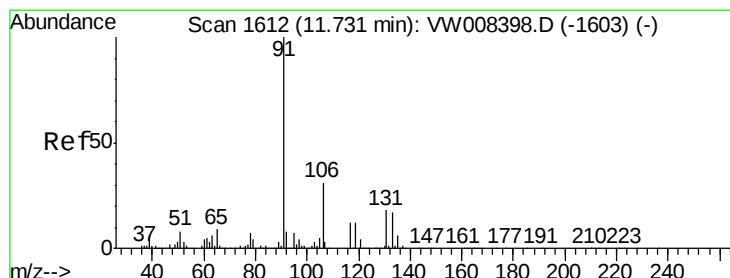
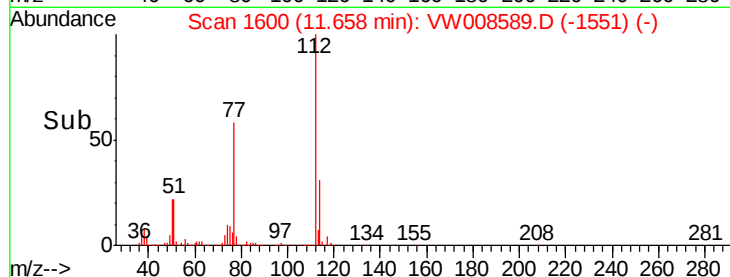
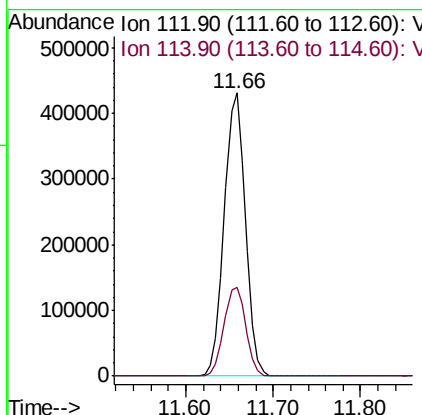
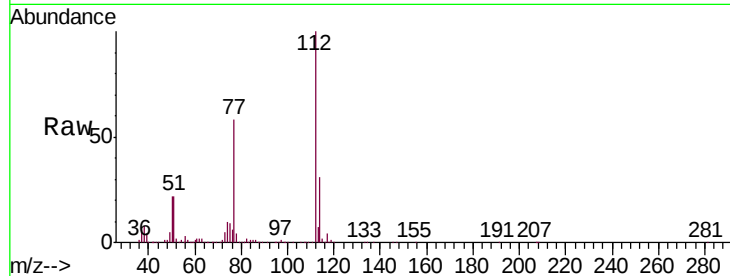




#65
Chlorobenzene
Concen: 55.736 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW008589.D
Acq: 11 Feb 2019 11:09

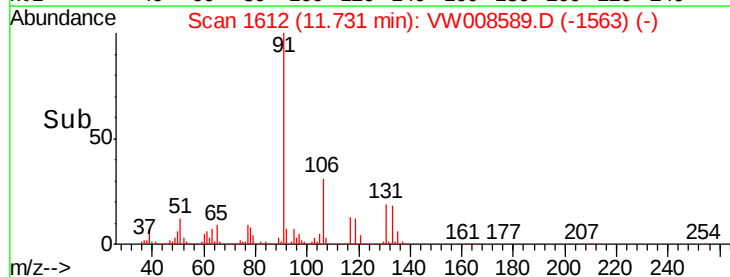
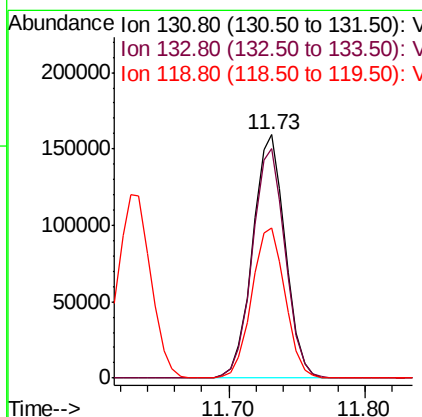
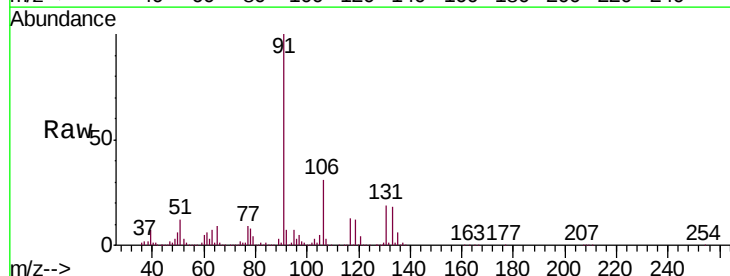
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

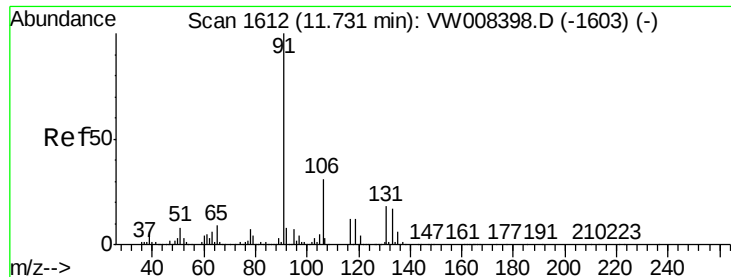
Tgt Ion:112 Resp: 722249
Ion Ratio Lower Upper
112 100
114 31.5 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 57.651 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008589.D
Acq: 11 Feb 2019 11:09

Tgt Ion:131 Resp: 267287
Ion Ratio Lower Upper
131 100
133 95.2 47.0 141.2
119 63.4 32.1 96.3





#67

Ethyl Benzene

Concen: 56.542 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008589.D

Acq: 11 Feb 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

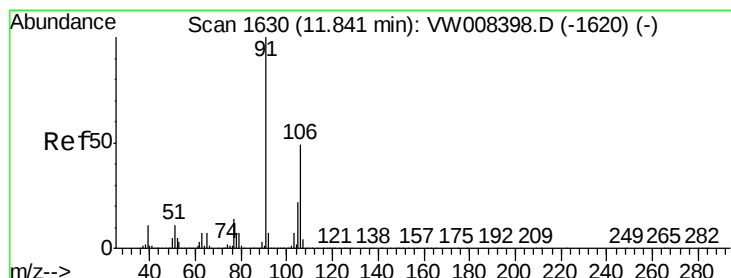
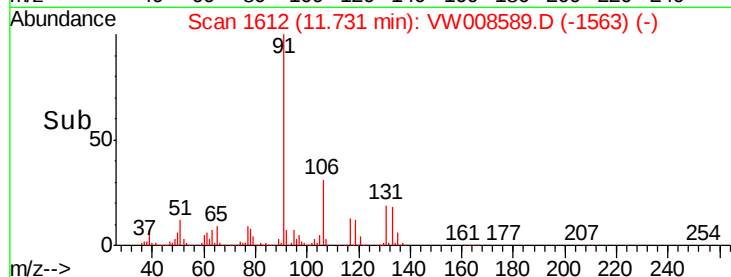
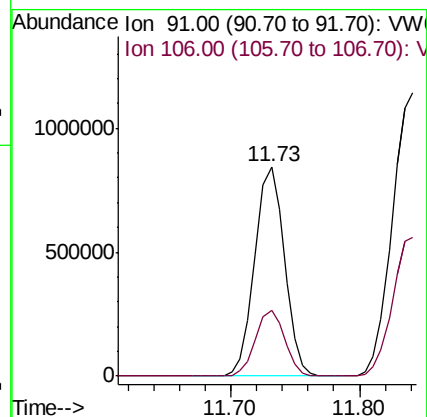
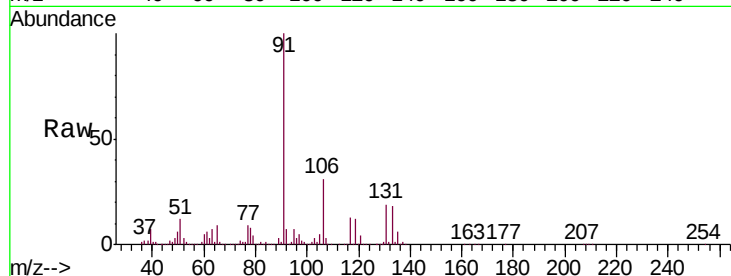
VSTDCCC050

Tgt Ion: 91 Resp: 1346815

Ion Ratio Lower Upper

91 100

106 31.4 24.7 37.1



#68

m/p-Xylenes

Concen: 113.565 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW008589.D

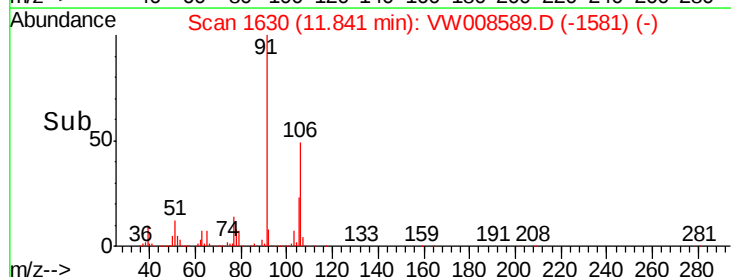
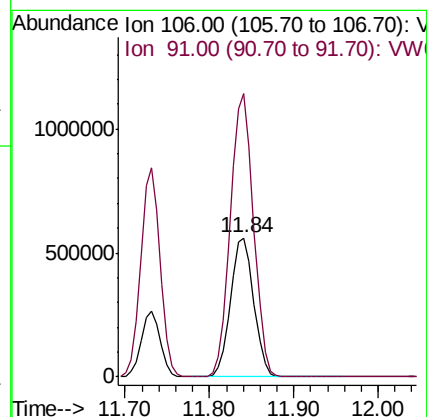
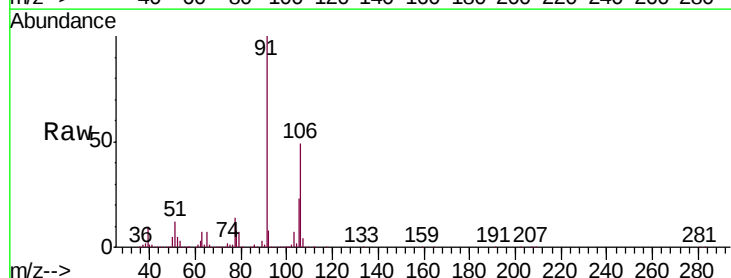
Acq: 11 Feb 2019 11:09

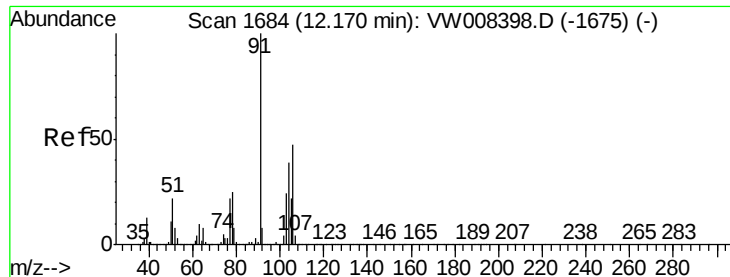
Tgt Ion: 106 Resp: 1049558

Ion Ratio Lower Upper

106 100

91 203.9 162.9 244.3

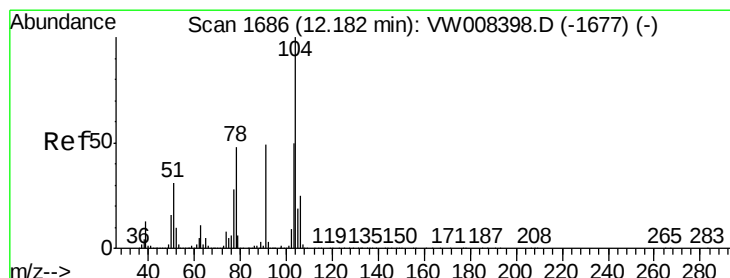
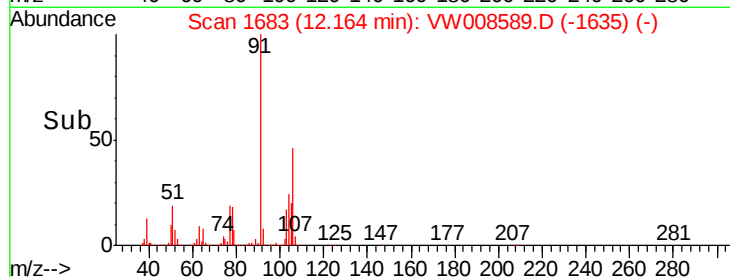
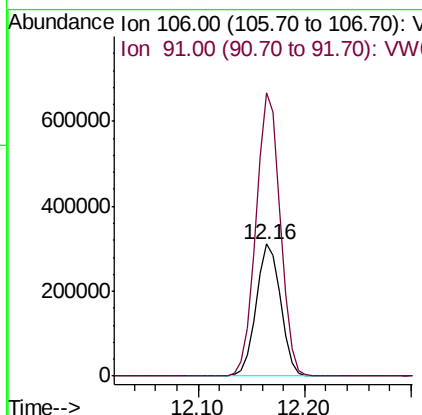
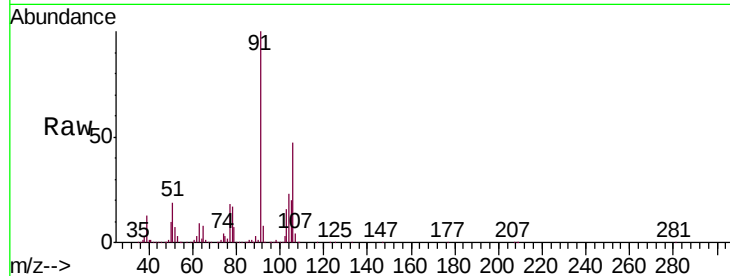




#69
o-Xylene
Concen: 56.857 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW008589.D
Acq: 11 Feb 2019 11:09

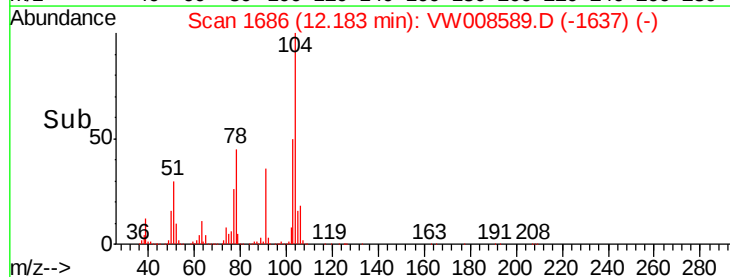
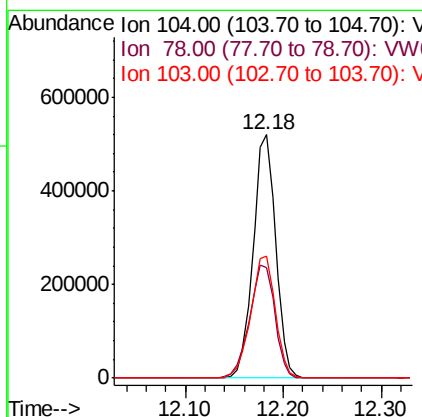
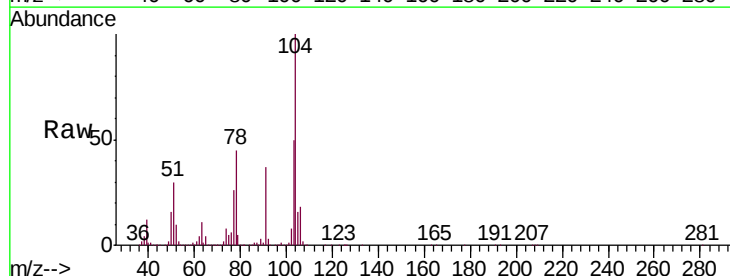
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

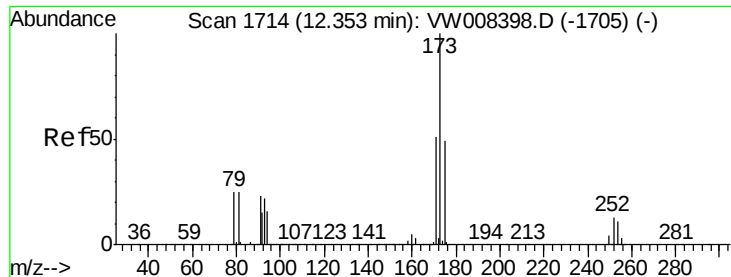
Tgt Ion:106 Resp: 499272
Ion Ratio Lower Upper
106 100
91 214.1 107.5 322.4



#70
Styrene
Concen: 57.600 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008589.D
Acq: 11 Feb 2019 11:09

Tgt Ion:104 Resp: 835471
Ion Ratio Lower Upper
104 100
78 52.1 42.4 63.6
103 54.4 43.4 65.0

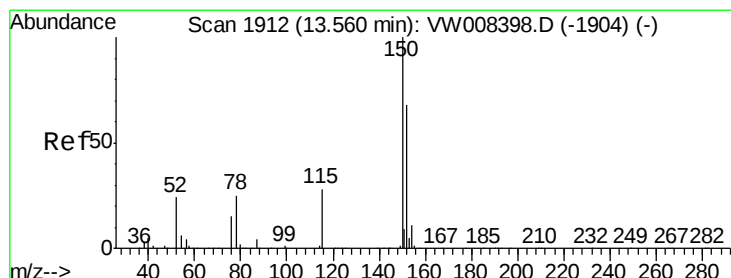
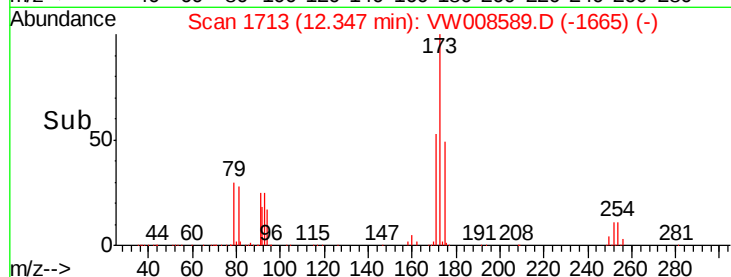
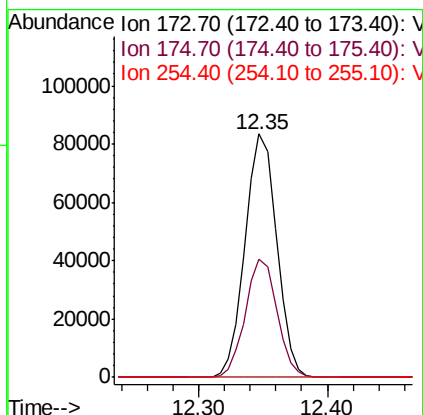
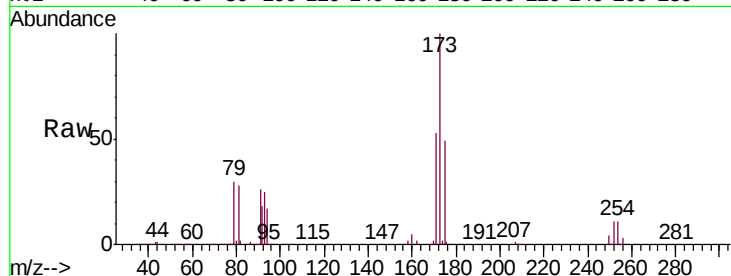




#71
Bromoform
Concen: 54.315 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.01 min
Lab File: VW008589.D
Acq: 11 Feb 2019 11:09

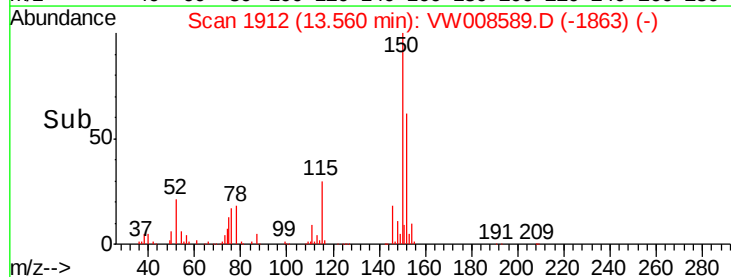
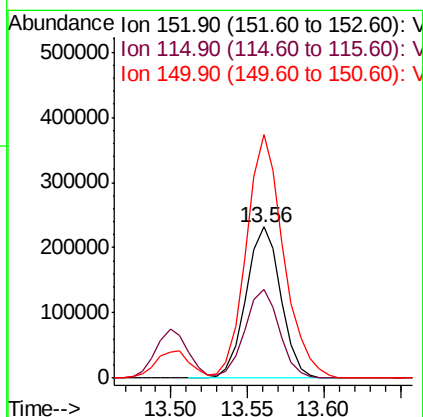
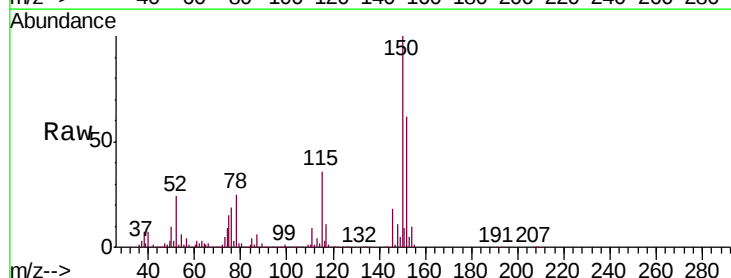
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

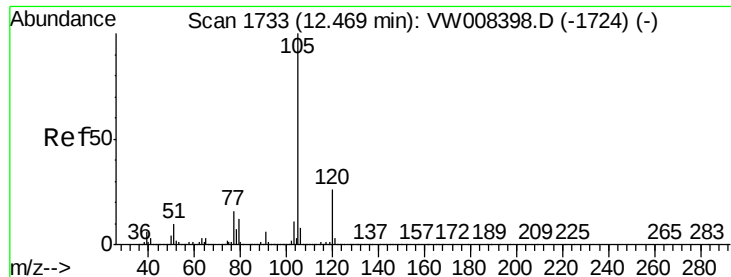
Tgt Ion:173 Resp: 141684
Ion Ratio Lower Upper
173 100
175 48.5 24.4 73.4
254 0.2 0.2 0.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008589.D
Acq: 11 Feb 2019 11:09

Tgt Ion:152 Resp: 365165
Ion Ratio Lower Upper
152 100
115 58.0 29.9 89.7
150 173.2 0.0 351.4





#73

Isopropylbenzene

Concen: 52.628 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW008589.D

Acq: 11 Feb 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

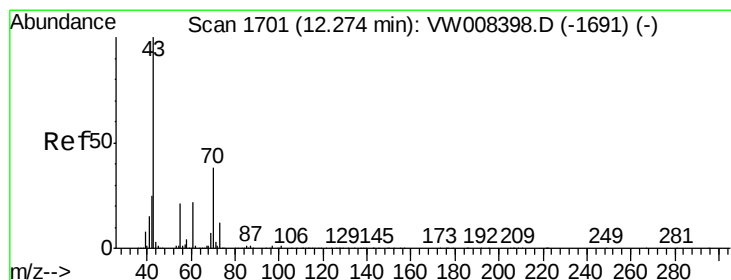
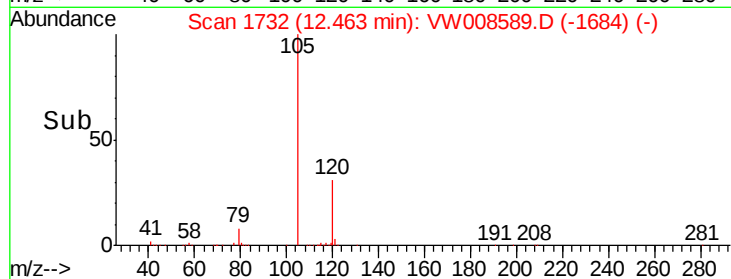
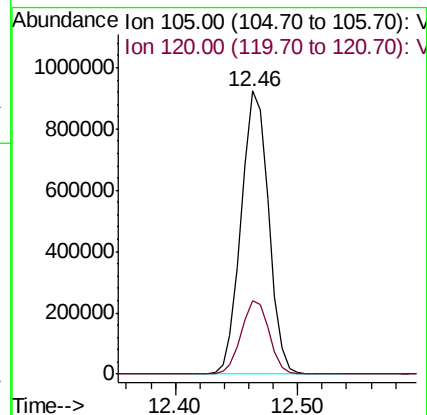
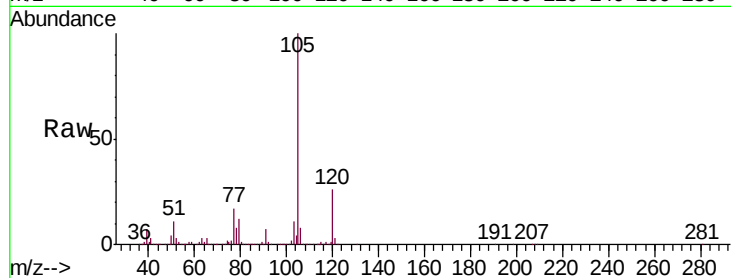
VSTDCCC050

Tgt Ion: 105 Resp: 1432736

Ion Ratio Lower Upper

105 100

120 26.3 13.3 39.8



#74

N-ethyl acetate

Concen: 48.894 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008589.D

Acq: 11 Feb 2019 11:09

Tgt Ion: 43 Resp: 342911

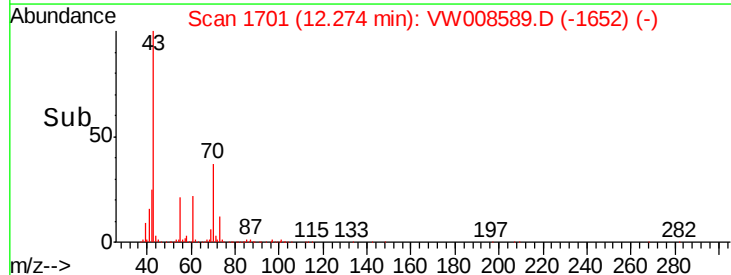
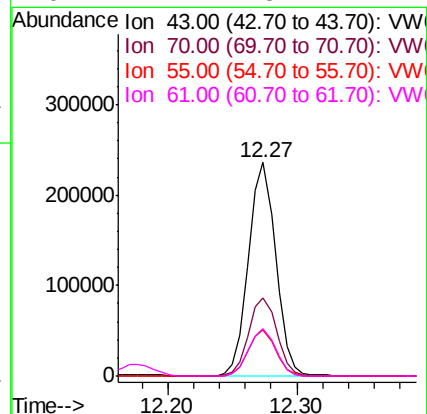
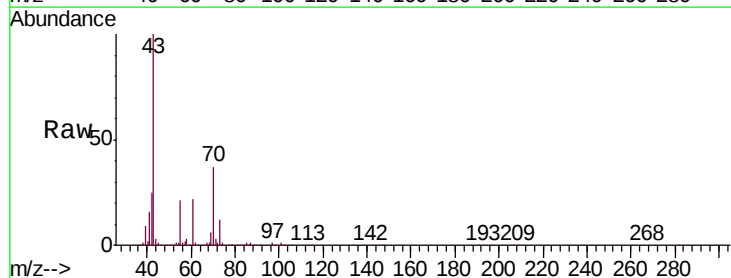
Ion Ratio Lower Upper

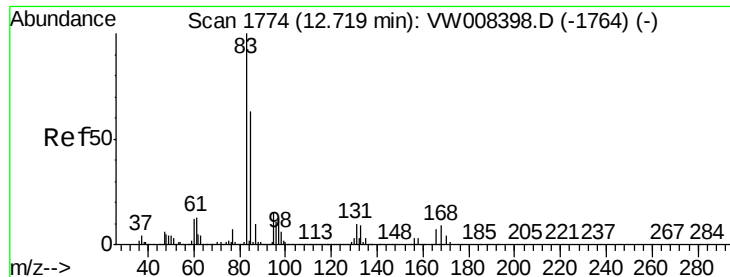
43 100

70 38.0 31.0 46.6

55 21.5 17.4 26.2

61 22.2 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 49.317 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008589.D

Acq: 11 Feb 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

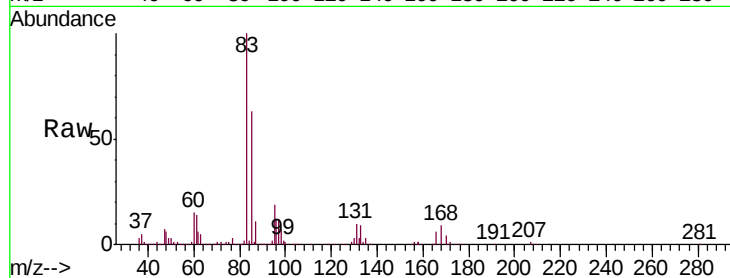
Tgt Ion: 83 Resp: 212558

Ion Ratio Lower Upper

83 100

131 10.9 5.5 16.4

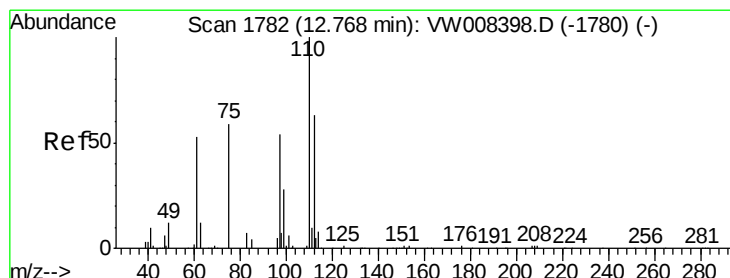
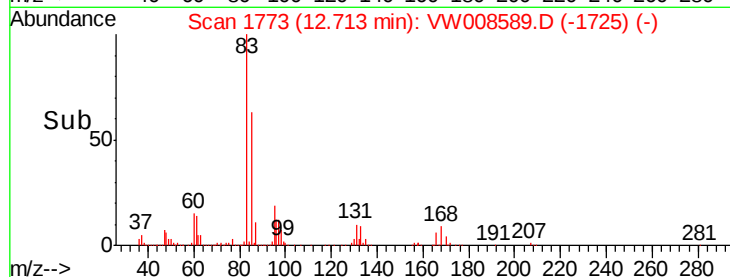
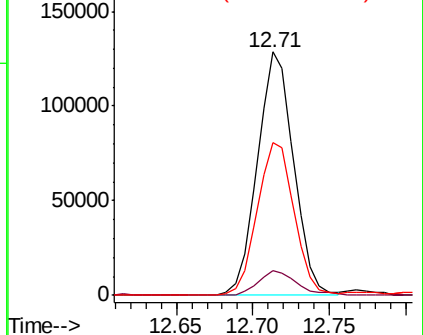
85 63.8 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 98.127 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW008589.D

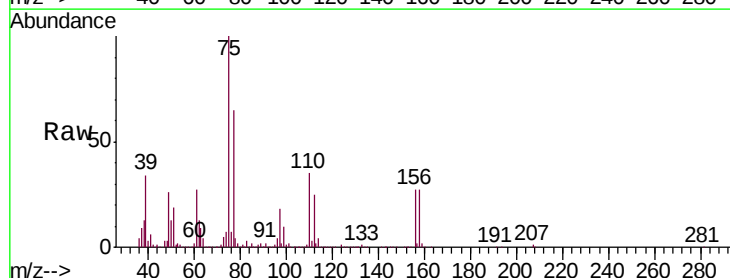
Acq: 11 Feb 2019 11:09

Tgt Ion: 75 Resp: 311539

Ion Ratio Lower Upper

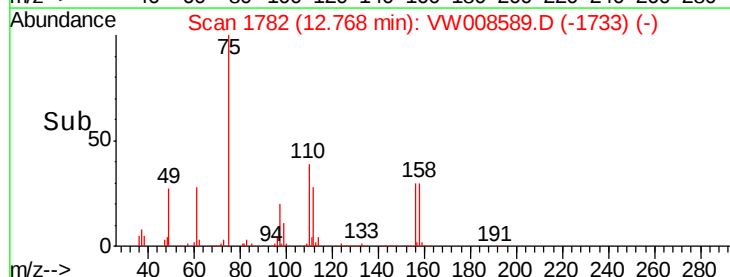
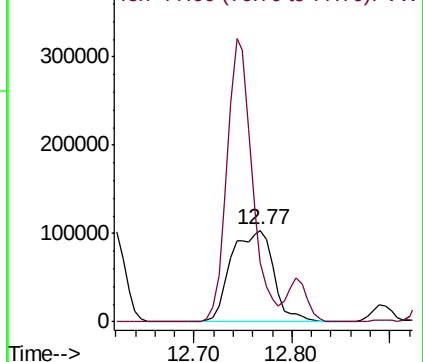
75 100

77 0.0 180.7 542.1#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 51.833 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008589.D

Acq: 11 Feb 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

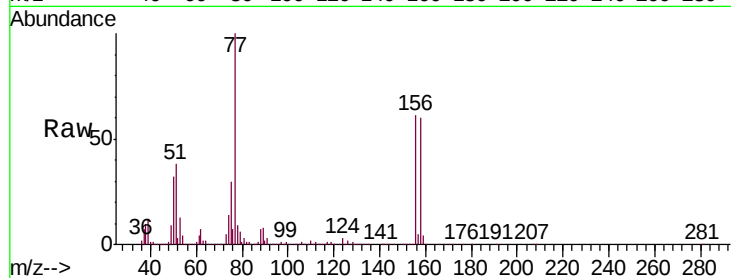
Tgt Ion:156 Resp: 308167

Ion Ratio Lower Upper

156 100

77 187.0 96.9 290.7

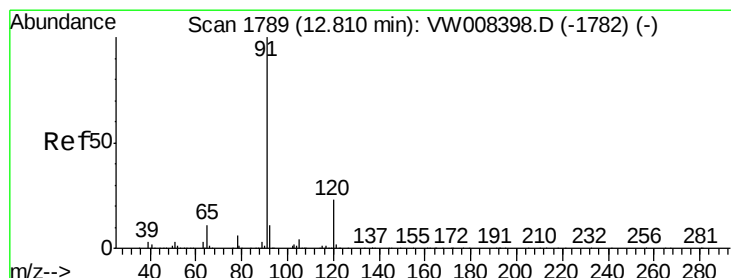
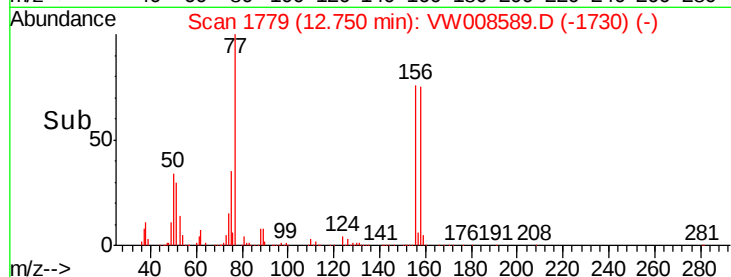
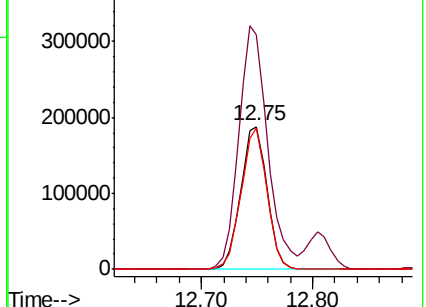
158 96.6 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.470 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW008589.D

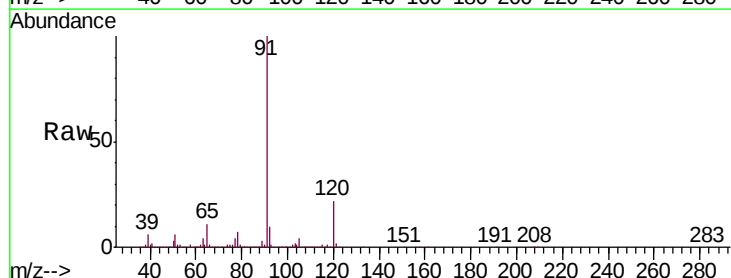
Acq: 11 Feb 2019 11:09

Tgt Ion: 91 Resp: 1748335

Ion Ratio Lower Upper

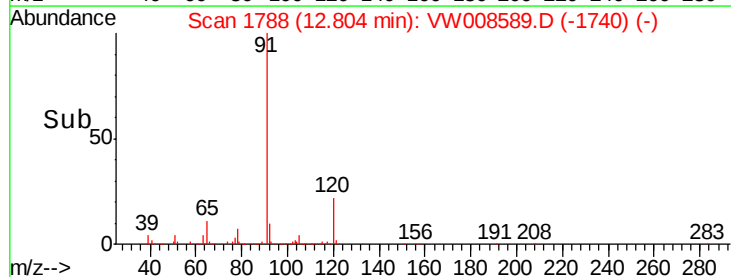
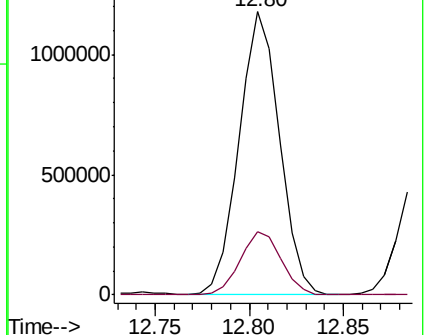
91 100

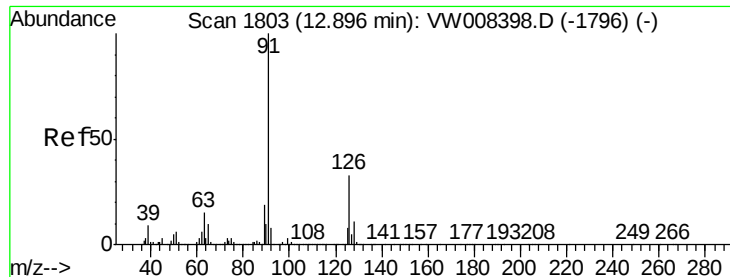
120 22.7 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.671 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW008589.D

Acq: 11 Feb 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

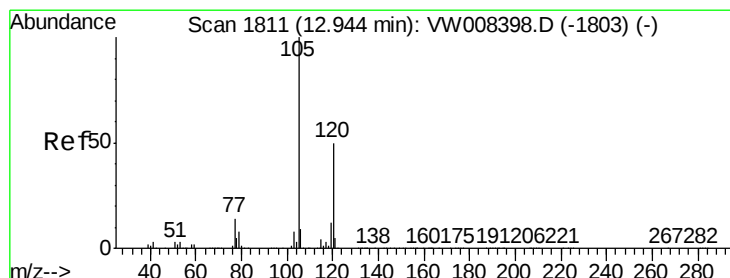
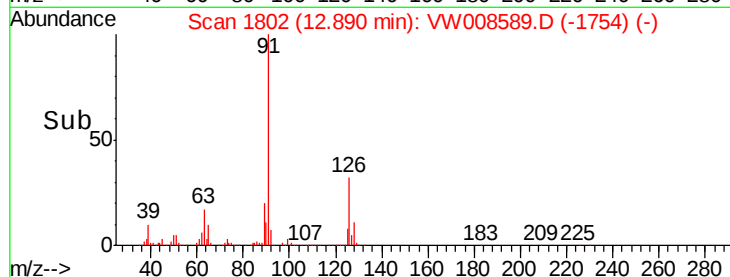
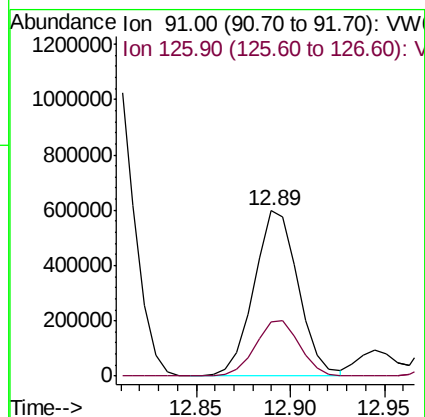
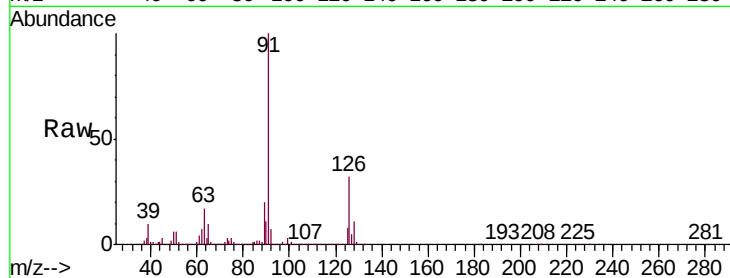
VSTDCCC050

Tgt Ion: 91 Resp: 971843

Ion Ratio Lower Upper

91 100

126 33.3 16.5 49.5



#80

1,3,5-Trimethylbenzene

Concen: 53.591 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008589.D

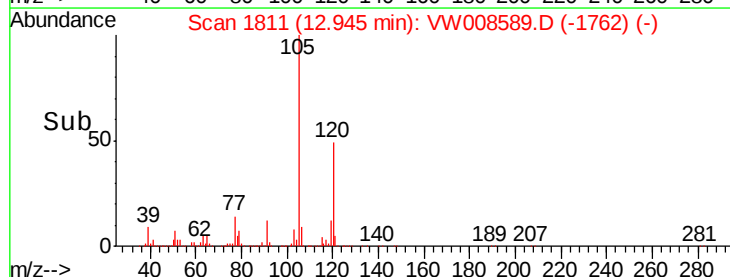
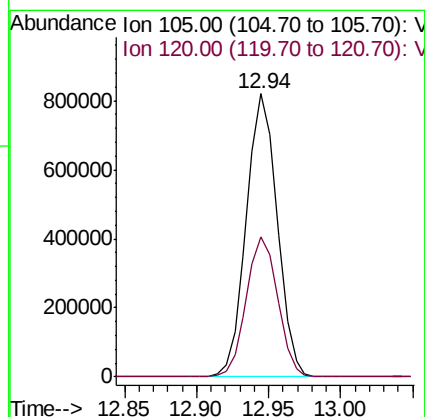
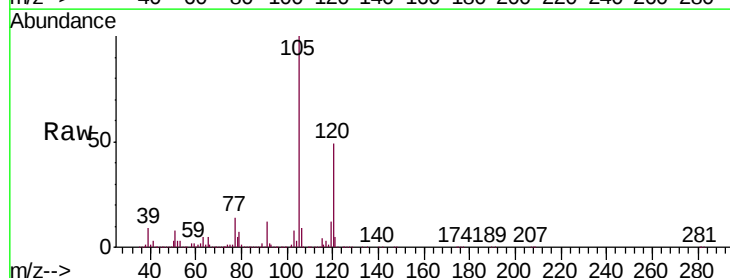
Acq: 11 Feb 2019 11:09

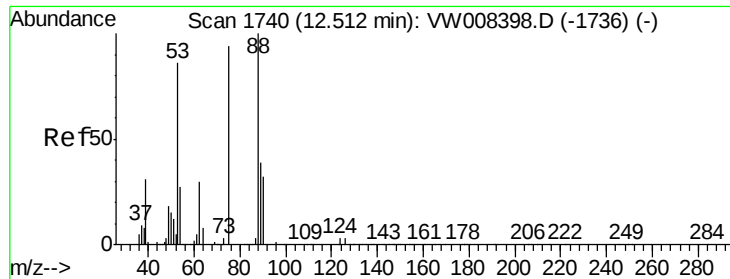
Tgt Ion: 105 Resp: 1219437

Ion Ratio Lower Upper

105 100

120 50.0 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 46.965 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW008589.D

Acq: 11 Feb 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

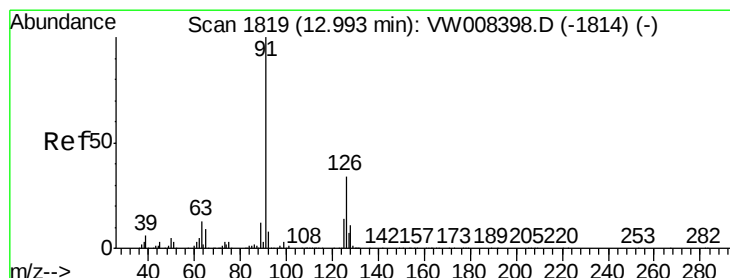
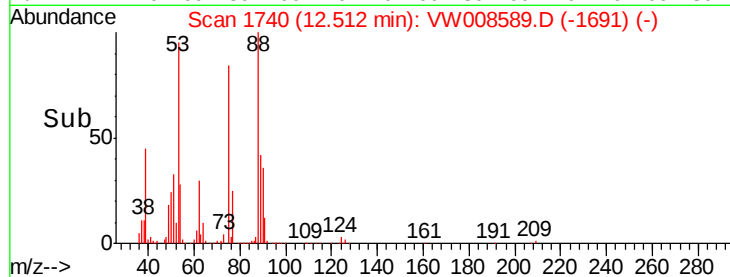
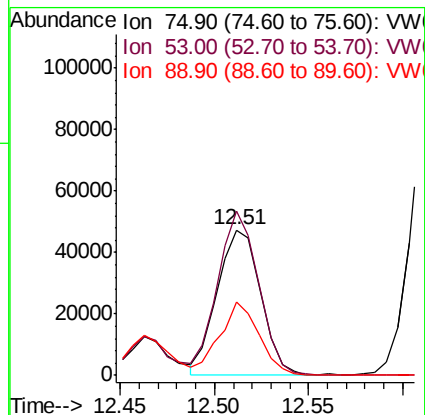
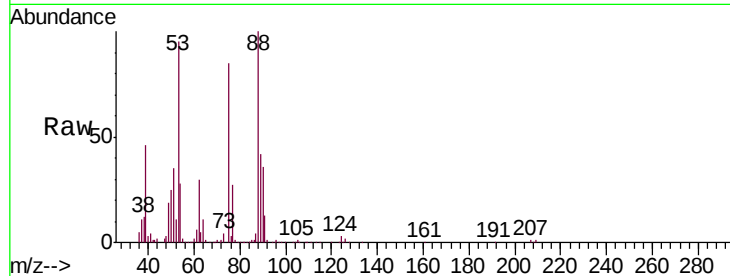
Tgt Ion: 75 Resp: 75494

Ion Ratio Lower Upper

75 100

53 106.9 76.0 114.0

89 46.2 35.4 53.0



#82

4-Chlorotoluene

Concen: 53.594 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.01 min

Lab File: VW008589.D

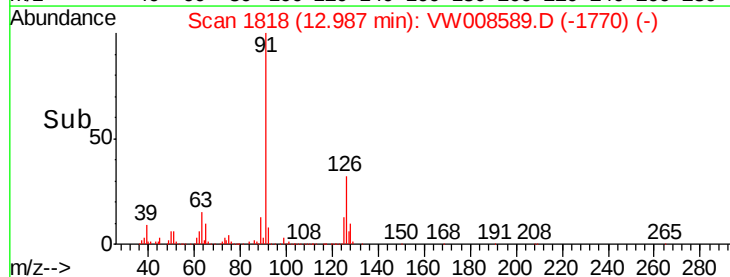
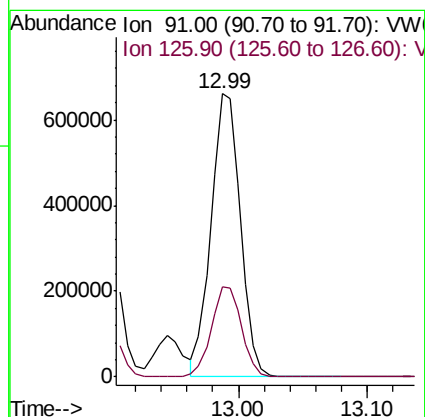
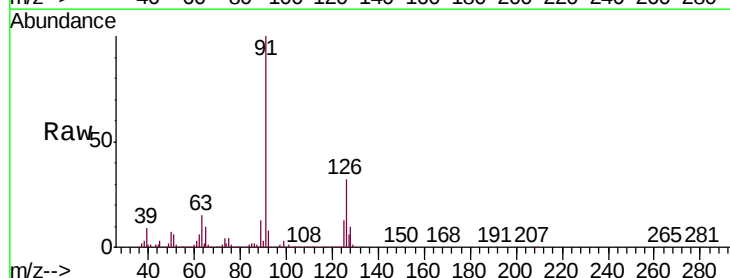
Acq: 11 Feb 2019 11:09

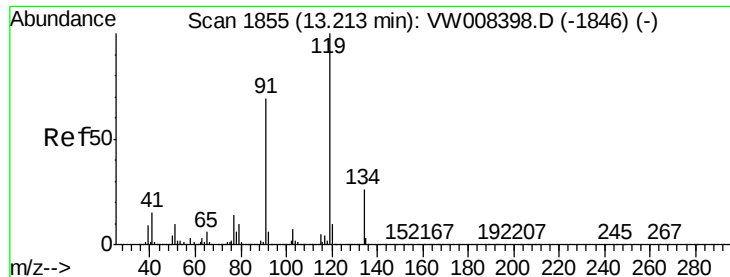
Tgt Ion: 91 Resp: 1052820

Ion Ratio Lower Upper

91 100

126 32.8 16.4 49.2





#83

tert-Butylbenzene

Concen: 53.118 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.01 min

Lab File: VW008589.D

Acq: 11 Feb 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

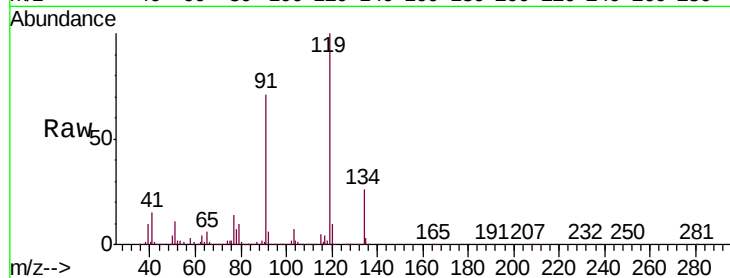
Tgt Ion:119 Resp: 1075583

Ion Ratio Lower Upper

119 100

91 69.6 33.8 101.4

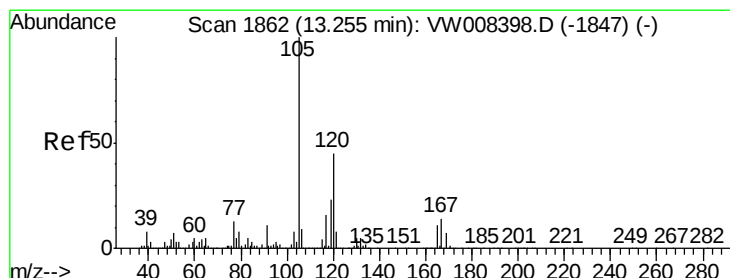
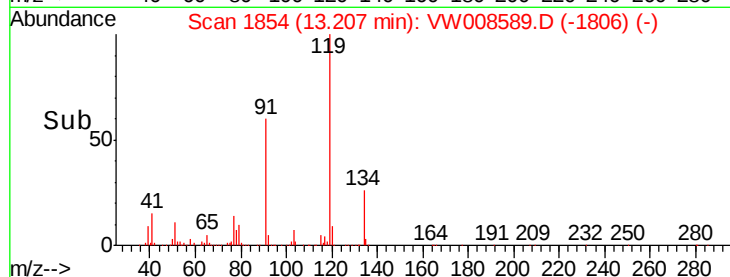
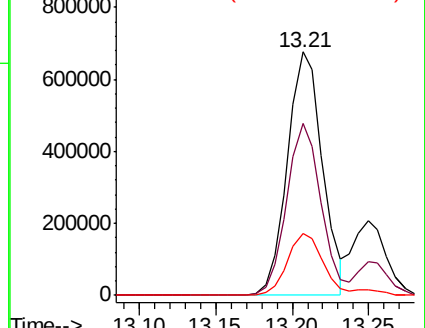
134 27.5 13.5 40.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VW

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 54.961 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. -0.01 min

Lab File: VW008589.D

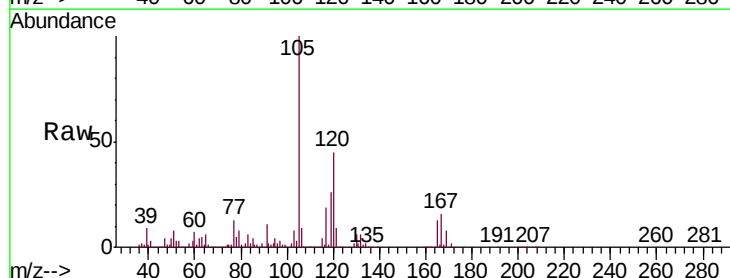
Acq: 11 Feb 2019 11:09

Tgt Ion:105 Resp: 1271141

Ion Ratio Lower Upper

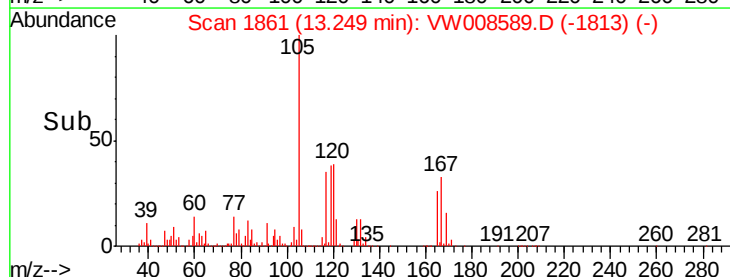
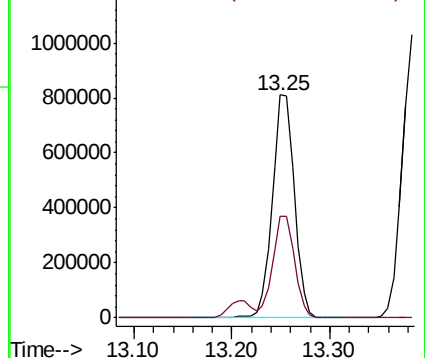
105 100

120 45.3 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

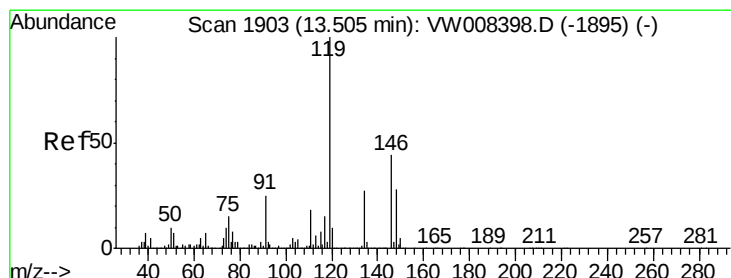
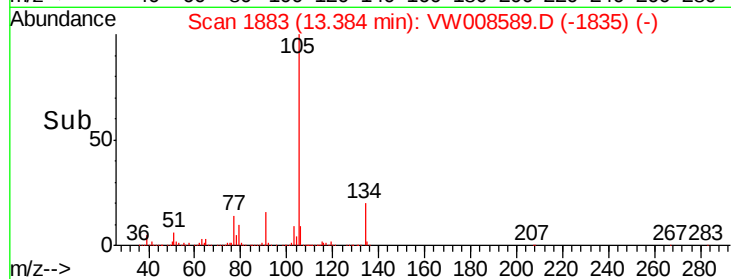
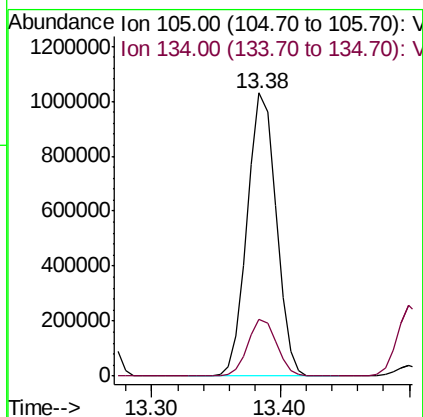
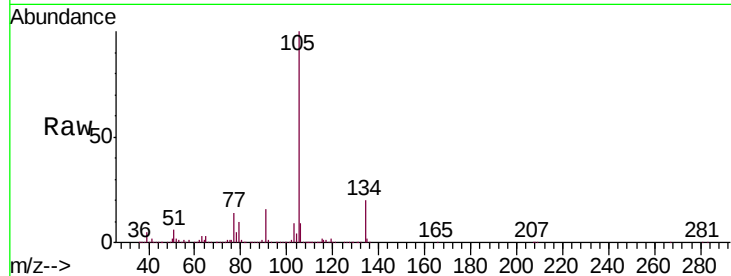




#85
 sec-Butylbenzene
 Concen: 55.365 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.01 min
 Lab File: VW008589.D
 Acq: 11 Feb 2019 11:09

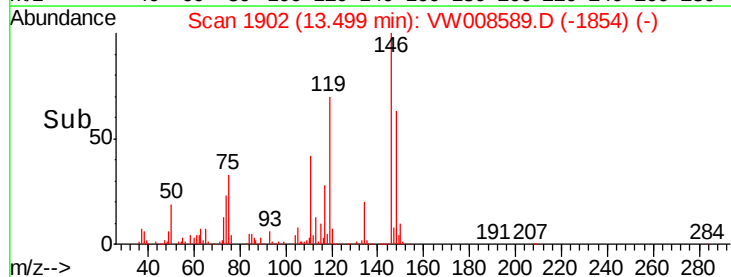
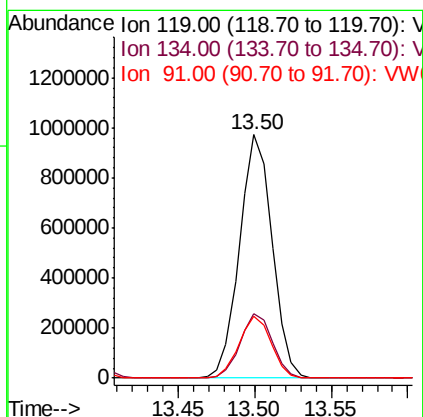
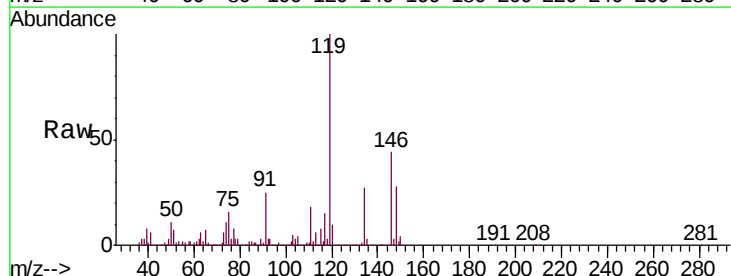
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

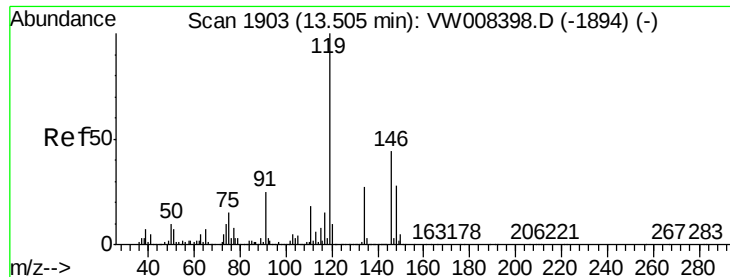
Tgt Ion:105 Resp: 1601047
 Ion Ratio Lower Upper
 105 100
 134 20.0 10.2 30.6



#86
 p-Isopropyltoluene
 Concen: 56.868 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW008589.D
 Acq: 11 Feb 2019 11:09

Tgt Ion:119 Resp: 1440505
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.4 40.2
 91 24.9 12.6 37.6

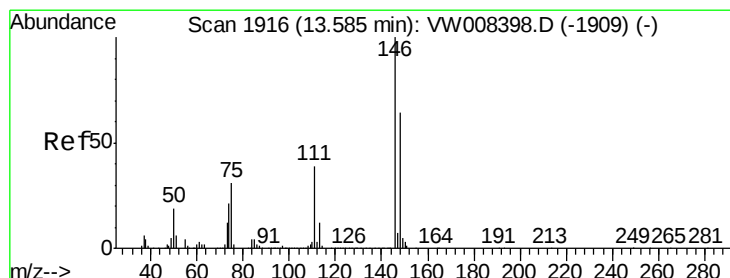
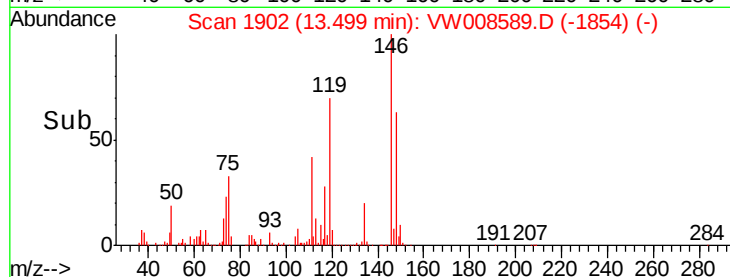
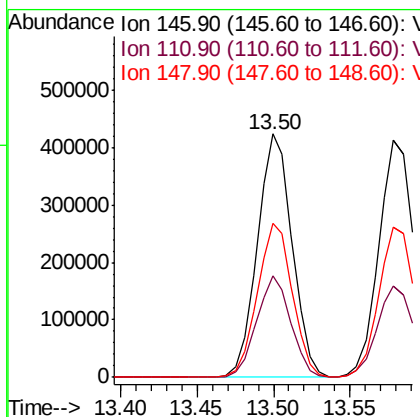
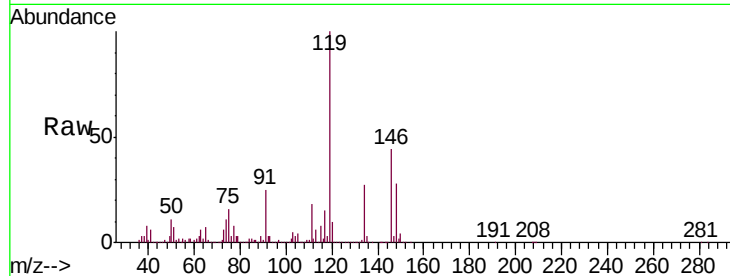




#87
 1,3-Dichlorobenzene
 Concen: 55.848 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW008589.D
 Acq: 11 Feb 2019 11:09

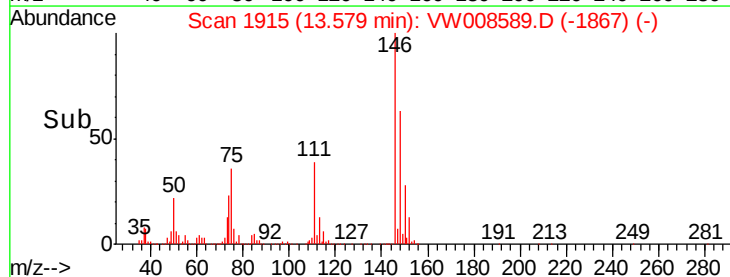
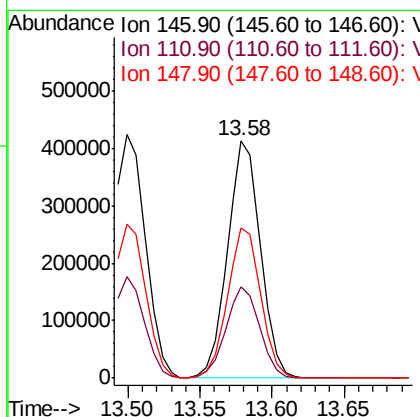
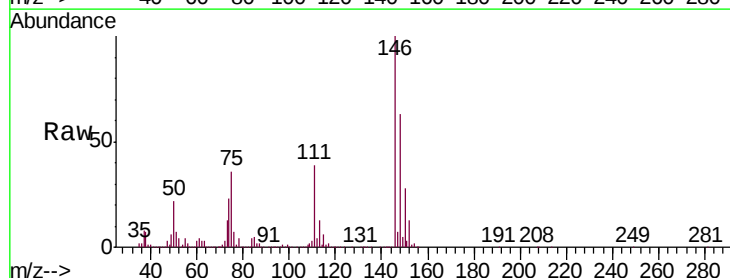
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

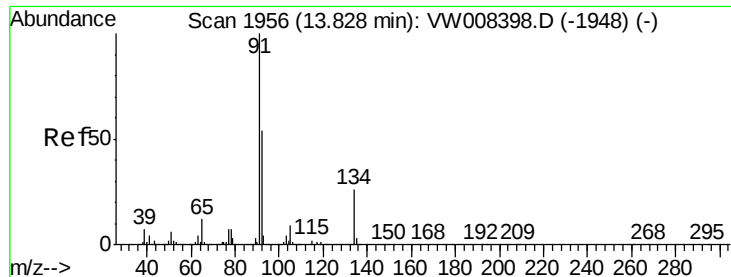
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.3	60.9
148	63.7	31.9	95.7



#88
 1,4-Dichlorobenzene
 Concen: 55.270 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.01 min
 Lab File: VW008589.D
 Acq: 11 Feb 2019 11:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.0	60.0
148	63.8	32.0	96.2





#89

n-Butylbenzene

Concen: 55.757 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW008589.D

Acq: 11 Feb 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

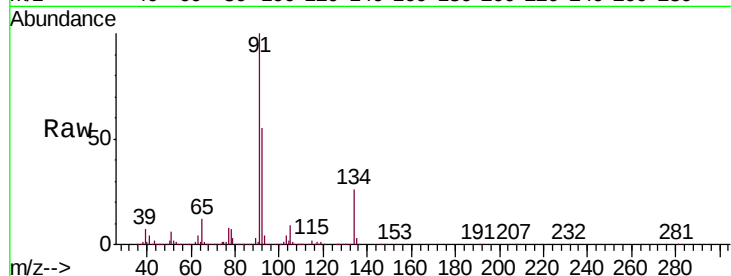
Tgt Ion: 91 Resp: 1386744

Ion Ratio Lower Upper

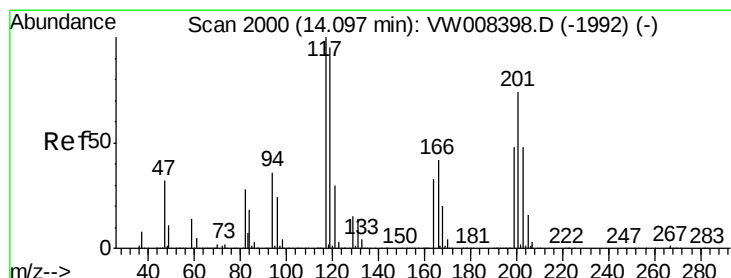
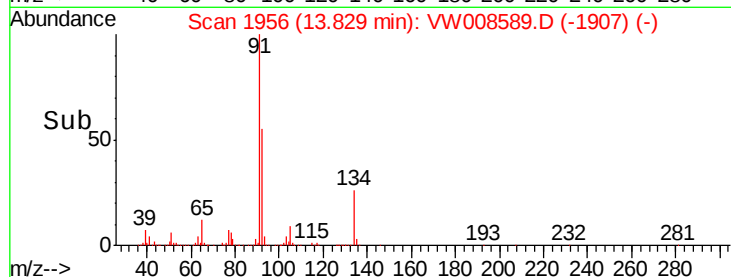
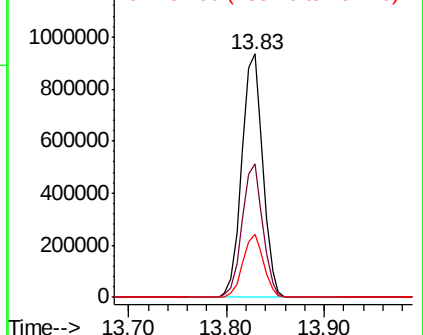
91 100

92 54.1 27.4 82.2

134 25.8 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: 52.620 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW008589.D

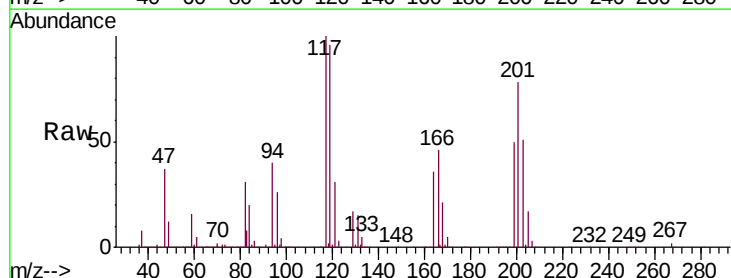
Acq: 11 Feb 2019 11:09

Tgt Ion: 117 Resp: 260665

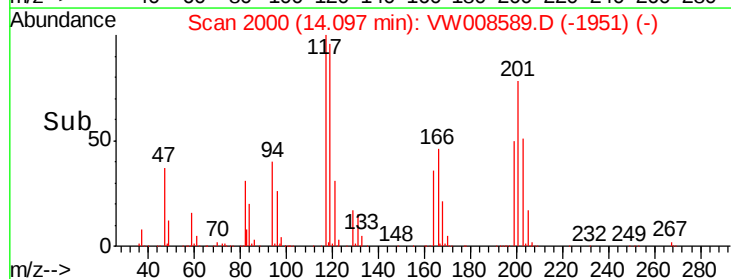
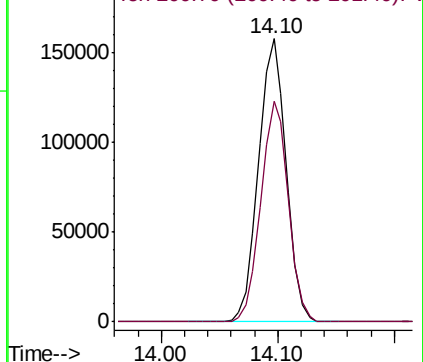
Ion Ratio Lower Upper

117 100

201 77.5 39.1 117.5



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

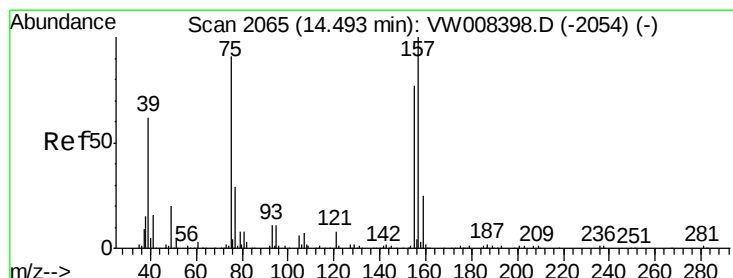
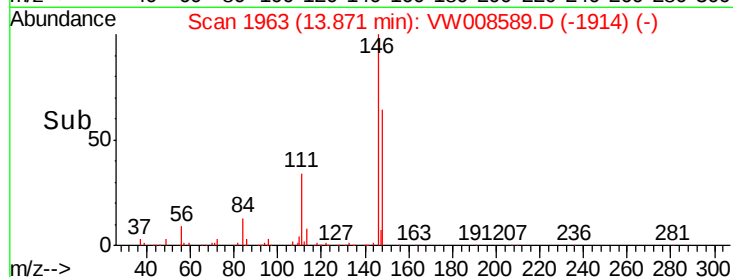
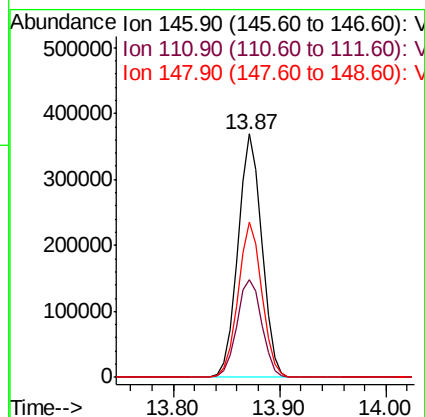
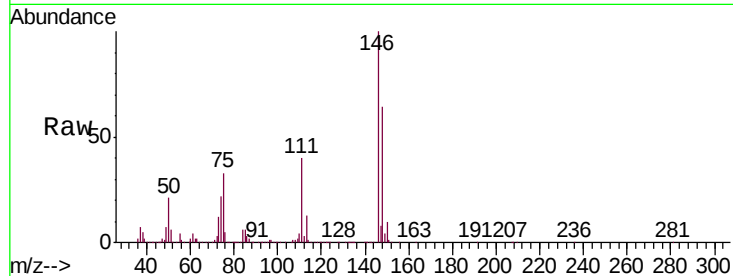




#91
 1,2-Dichlorobenzene
 Concen: 54.766 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW008589.D
 Acq: 11 Feb 2019 11:09

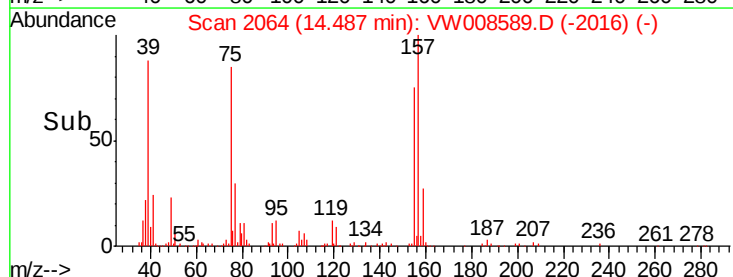
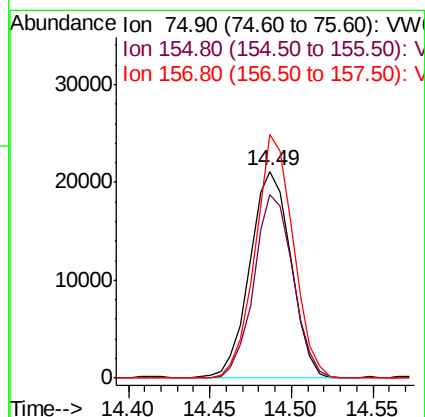
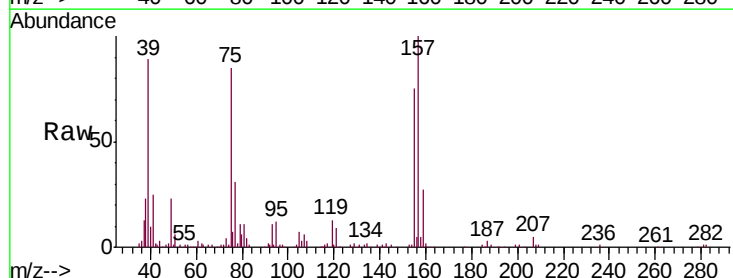
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

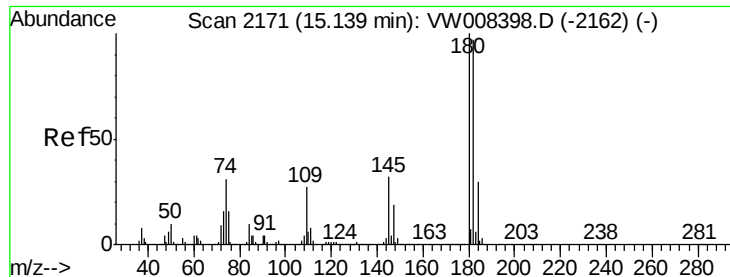
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.1	63.3
148	63.5	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.350 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW008589.D
 Acq: 11 Feb 2019 11:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.4	42.7	128.1
157	108.9	55.5	166.3

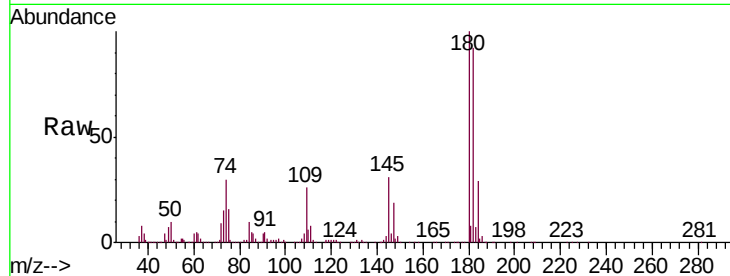




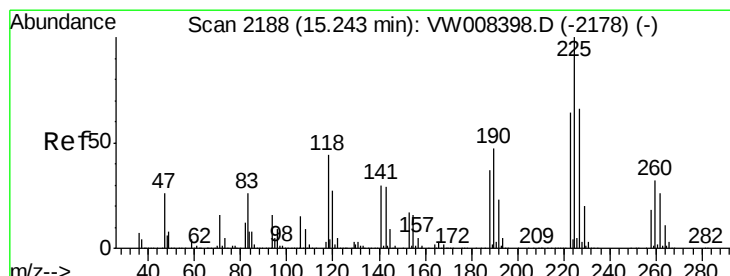
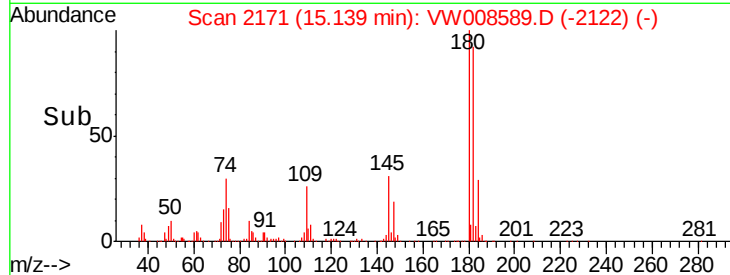
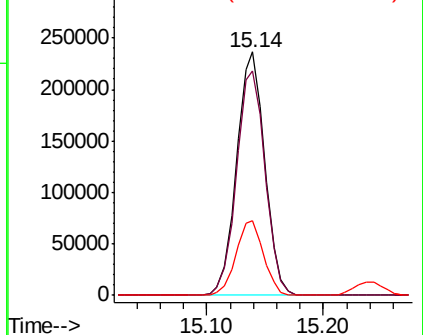
#93
 1,2,4-Trichlorobenzene
 Concen: 52.229 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008589.D
 Acq: 11 Feb 2019 11:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion:180 Resp: 395983
 Ion Ratio Lower Upper
 180 100
 182 94.2 47.9 143.7
 145 30.1 15.5 46.5

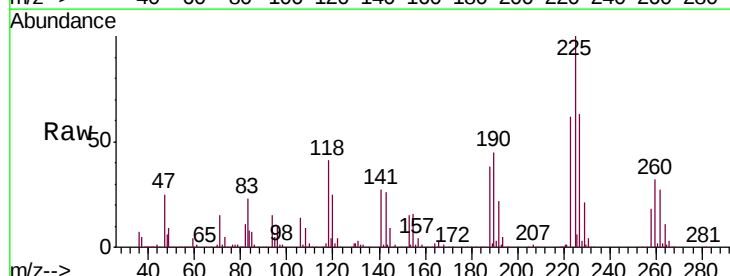


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

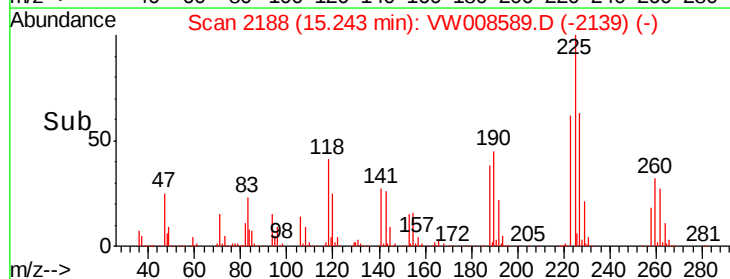
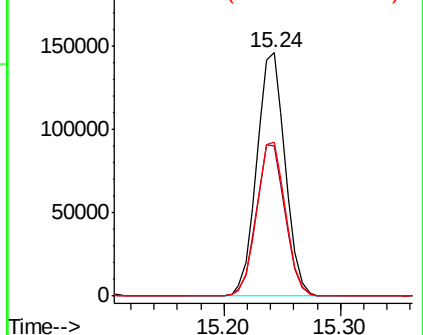


#94
 Hexachlorobutadiene
 Concen: 54.461 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008589.D
 Acq: 11 Feb 2019 11:09

Tgt Ion:225 Resp: 248841
 Ion Ratio Lower Upper
 225 100
 223 63.0 31.7 95.1
 227 64.0 32.1 96.3



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

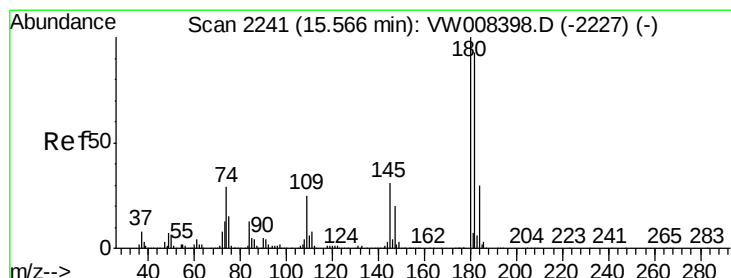
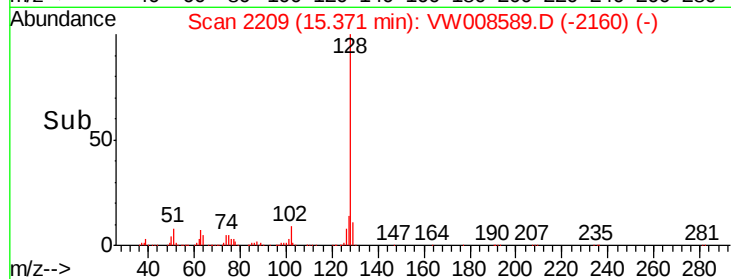
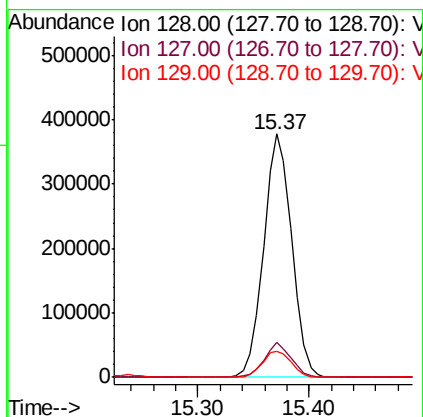
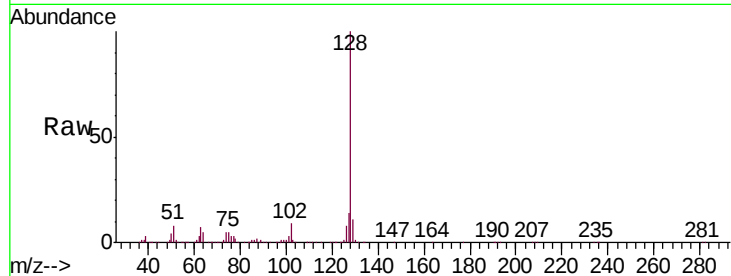




#95
Naphthalene
Concen: 49.765 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008589.D
Acq: 11 Feb 2019 11:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 662477
Ion Ratio Lower Upper
128 100
127 13.5 10.6 15.8
129 11.1 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 51.910 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW008589.D
Acq: 11 Feb 2019 11:09

Tgt Ion:180 Resp: 333849
Ion Ratio Lower Upper
180 100
182 94.5 47.0 141.2
145 31.4 15.9 47.6

