

Data File : VW012712.D
Acq On : 07 Sep 2019 11:03
Operator : SY/VA
Sample : VSTDICCC050
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Quant Time: Sep 08 04:51:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
Quant Title : SW846 8260
QLast Update : Sun Sep 08 04:47:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	252470	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	381789	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	331894	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	166082	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	144653	51.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.56%	
35) Dibromofluoromethane	7.88	113	114472	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	
50) Toluene-d8	10.32	98	463725	52.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.30%	
62) 4-Bromofluorobenzene	12.62	95	162027	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	68293	49.896	ug/l	100
3) Chloromethane	2.21	50	82165	49.396	ug/l	100
4) Vinyl Chloride	2.36	62	103265	50.632	ug/l	100
5) Bromomethane	2.78	94	58415	52.745	ug/l	100
6) Chloroethane	2.92	64	63322	52.029	ug/l	100
7) Trichlorofluoromethane	3.25	101	74609	53.011	ug/l	100
8) Diethyl Ether	3.68	74	61164	51.707	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	116584	52.785	ug/l	100
10) Methyl Iodide	4.27	142	146784	52.792	ug/l	100
11) Tert butyl alcohol	5.16	59	55840	258.721	ug/l	100
12) 1,1-Dichloroethene	4.04	96	106509	51.085	ug/l	100
13) Acrolein	3.89	56	53470	233.457	ug/l	100
14) Allyl chloride	4.67	41	226405	52.493	ug/l	100
15) Acrylonitrile	5.37	53	183593	265.730	ug/l	100
16) Acetone	4.12	43	210146	273.257	ug/l	100
17) Carbon Disulfide	4.38	76	226556	51.192	ug/l	100
18) Methyl Acetate	4.67	43	90510	50.164	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	225740	54.594	ug/l	100
20) Methylene Chloride	4.92	84	119340	49.602	ug/l	100
21) trans-1,2-Dichloroethene	5.42	96	112106	52.696	ug/l	100
22) Diisopropyl ether	6.31	45	465001	54.359	ug/l	100
23) Vinyl Acetate	6.25	43	1487619	274.405	ug/l	100
24) 1,1-Dichloroethane	6.21	63	247142	53.657	ug/l	100
25) 2-Butanone	7.17	43	271806	267.759	ug/l	100
26) 2,2-Dichloropropane	7.17	77	157912	54.282	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	132688	53.791	ug/l	100
28) Bromochloromethane	7.51	49	111188	52.573	ug/l	100
29) Tetrahydrofuran	7.52	42	163019	262.497	ug/l	100
30) Chloroform	7.67	83	239971	52.570	ug/l	100
31) Cyclohexane	7.95	56	202651	48.872	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	197851	53.470	ug/l	100
36) 1,1-Dichloropropene	8.08	75	178976	52.760	ug/l	100
37) Ethyl Acetate	7.25	43	112128	51.851	ug/l	100
38) Carbon Tetrachloride	8.07	117	178905	53.501	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	198067	51.986	ug/l	100
40) Benzene	8.32	78	498337	52.947	ug/l	100
41) Methacrylonitrile	7.48	41	70729	54.246	ug/l	100
42) 1,2-Dichloroethane	8.40	62	171804	51.867	ug/l	100
43) Isopropyl Acetate	8.42	43	216213	52.774	ug/l	100
44) Trichloroethene	9.09	130	125678	51.802	ug/l	100
45) 1,2-Dichloropropane	9.37	63	132712	50.839	ug/l	100
46) Dibromomethane	9.46	93	63366	51.261	ug/l	100
47) Bromodichloromethane	9.65	83	181582	53.392	ug/l	100
48) Methyl methacrylate	9.43	41	99854	51.000	ug/l	100
49) 1,4-Dioxane	9.44	88	23499	962.388	ug/l	100
51) 4-Methyl-2-Pentanone	10.21	43	569974	265.128	ug/l	100
52) Toluene	10.38	92	309929	52.759	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	185961	53.176	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	213514	53.821	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	97175	52.509	ug/l	100
56) Ethyl methacrylate	10.65	69	142456	52.586	ug/l	100
57) 1,3-Dichloropropane	10.93	76	177719	51.909	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	373834	259.941	ug/l	100
59) 2-Hexanone	10.97	43	412189	262.438	ug/l	100
60) Dibromochloromethane	11.13	129	114868	52.776	ug/l	100
61) 1,2-Dibromoethane	11.23	107	89811	52.933	ug/l	100
64) Tetrachloroethene	10.86	164	104000	51.642	ug/l	100
65) Chlorobenzene	11.66	112	326025	51.973	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	124831	53.437	ug/l	100
67) Ethyl Benzene	11.73	91	626094	53.197	ug/l	100
68) m/p-Xylenes	11.84	106	433670	102.082	ug/l	100
69) o-Xylene	12.16	106	214880	53.614	ug/l	100
70) Styrene	12.18	104	382452	54.001	ug/l	100
71) Bromoform	12.35	173	69001	53.164	ug/l #	100
73) Isopropylbenzene	12.46	105	628935	52.799	ug/l	100
74) N-amyl acetate	12.27	43	200589	53.052	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	120024	50.172	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	161703	99.214	ug/l #	100
77) Bromobenzene	12.74	156	138665	51.381	ug/l	100
78) n-propylbenzene	12.80	91	751144	52.725	ug/l	100
79) 2-Chlorotoluene	12.89	91	429204	52.479	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	535179	53.318	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	42132	52.473	ug/l	100
82) 4-Chlorotoluene	12.99	91	445580	51.506	ug/l	100
83) tert-Butylbenzene	13.21	119	465705	52.473	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	521762	51.588	ug/l	100
85) sec-Butylbenzene	13.38	105	652078	52.948	ug/l	100
86) p-Isopropyltoluene	13.50	119	598088	53.167	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	272337	51.341	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	271044	51.350	ug/l	100
89) n-Butylbenzene	13.82	91	574510	52.606	ug/l	100
90) Hexachloroethane	14.09	117	103803	52.858	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	241370	50.555	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.48	75	21278	48.603	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090719\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	178631	53.739	ug/l	100
94) Hexachlorobutadiene	15.24	225	122735	53.345	ug/l	100
95) Naphthalene	15.36	128	340486	55.017	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	160881	54.831	ug/l	100

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

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Acq On : 07 Sep 2019 11:03

Operator : SY/VA

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

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ALS Vial      : 5      Sample Multiplier: 1
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Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

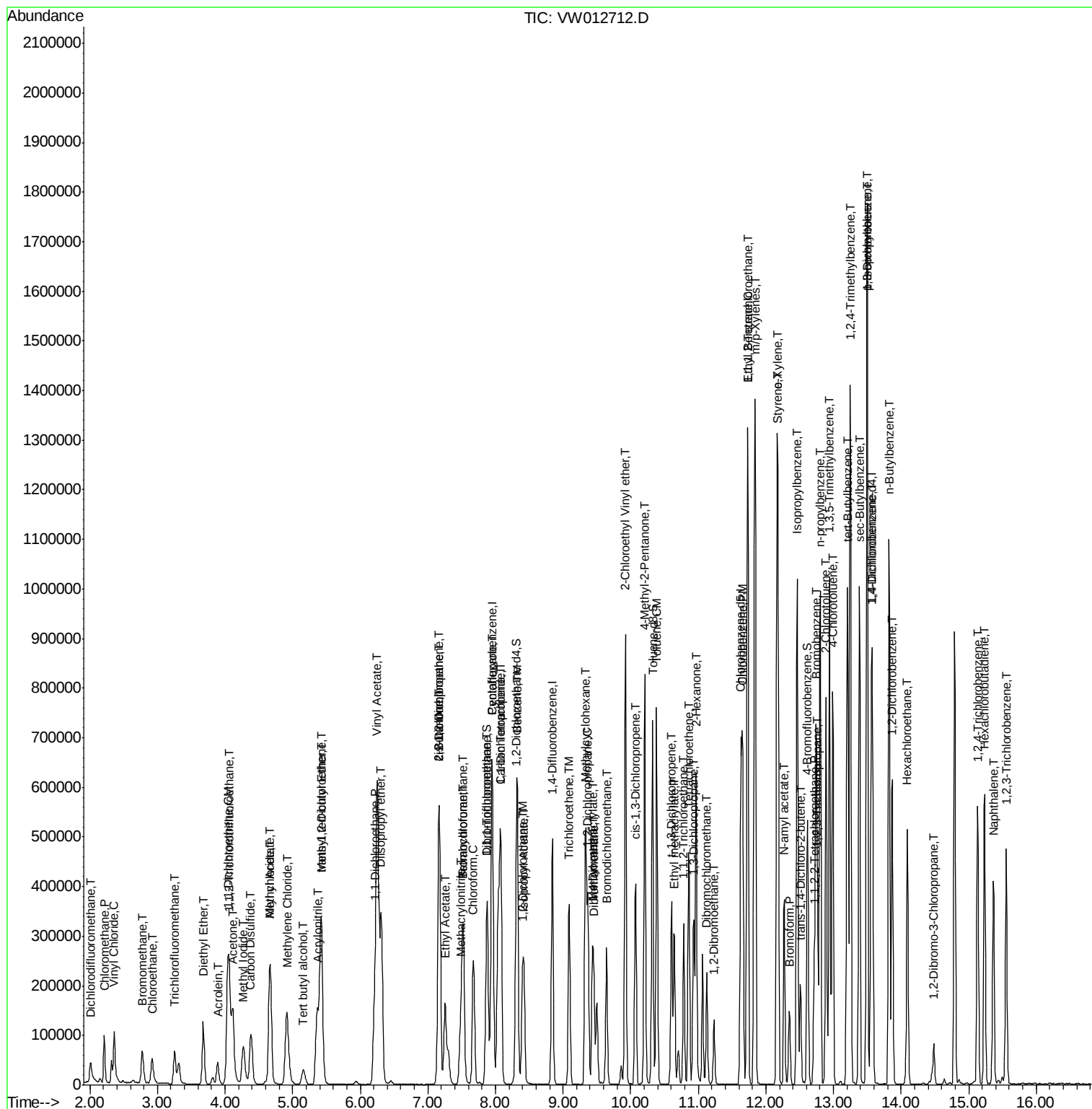
Quant Time: Sep 08 04:51:56 2019

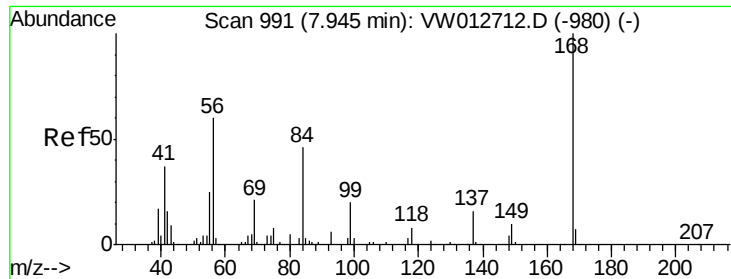
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA W\METHOD\82W090719S.M

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QLast Update : Sun Sep 08 04:47:02 2019

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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: VW012712.D

Acq: 07 Sep 2019 11:03

Instrument :

MSVOA_W

ClientSampleId :

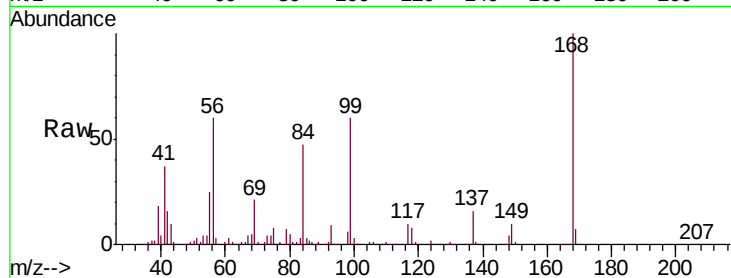
VSTDICCC050

Tgt Ion:168 Resp: 252470

Ion Ratio Lower Upper

168 100

99 59.7 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

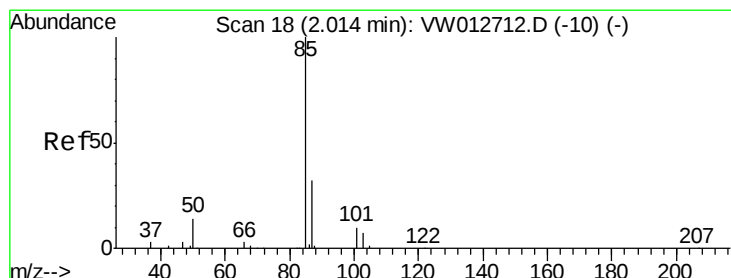
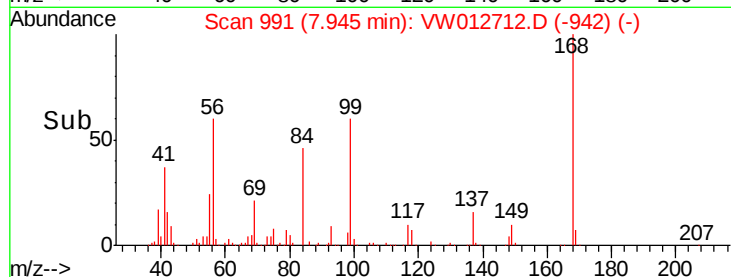
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 49.896 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW012712.D

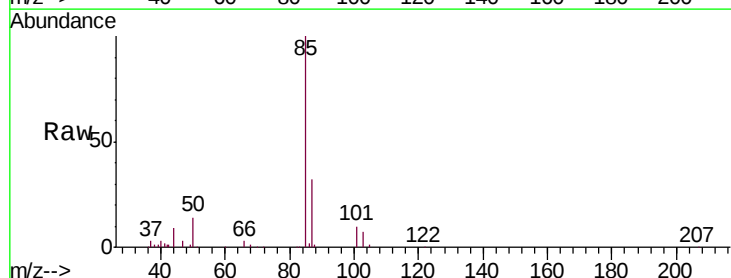
Acq: 07 Sep 2019 11:03

Tgt Ion: 85 Resp: 68293

Ion Ratio Lower Upper

85 100

87 31.6 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

25000

20000

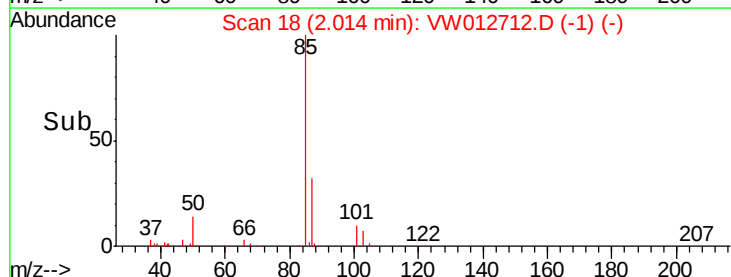
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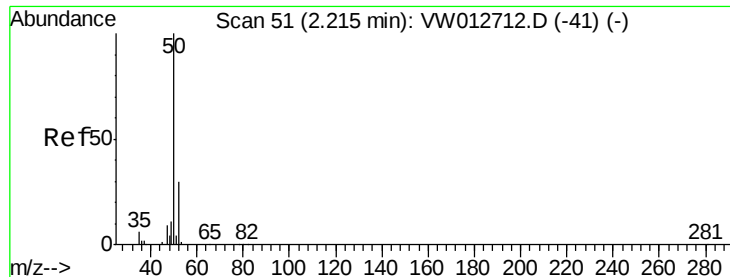
10000

5000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 49.396 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW012712.D

Acq: 07 Sep 2019 11:03

Instrument :

MSVOA_W

ClientSampleId :

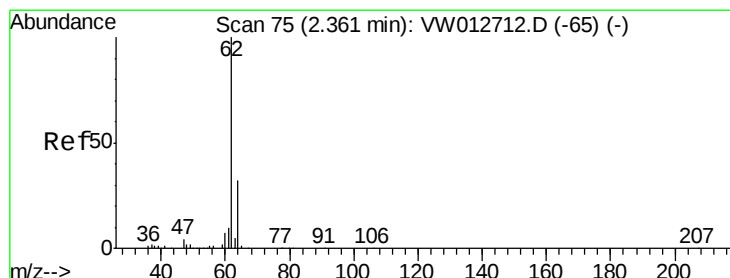
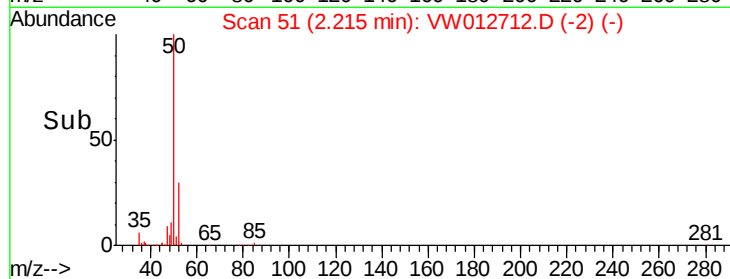
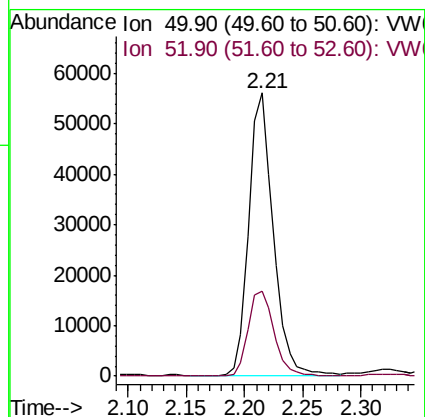
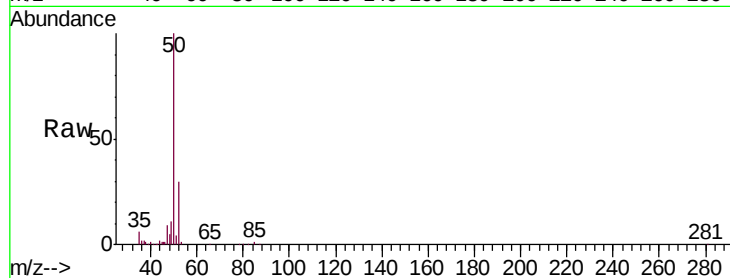
VSTDICCC050

Tgt Ion: 50 Resp: 82165

Ion Ratio Lower Upper

50 100

52 30.2 24.2 36.2



#4

Vinyl Chloride

Concen: 50.632 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW012712.D

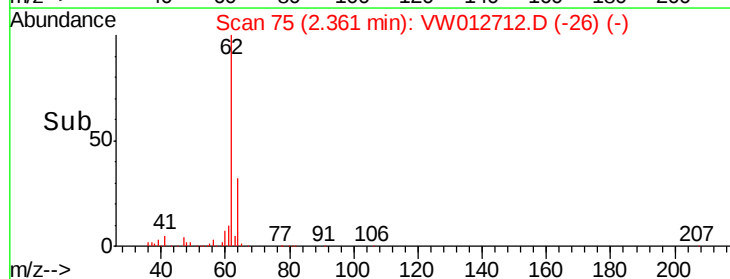
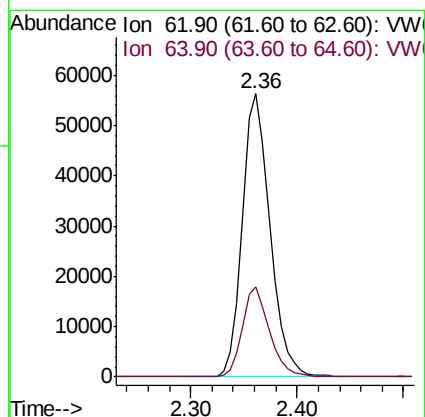
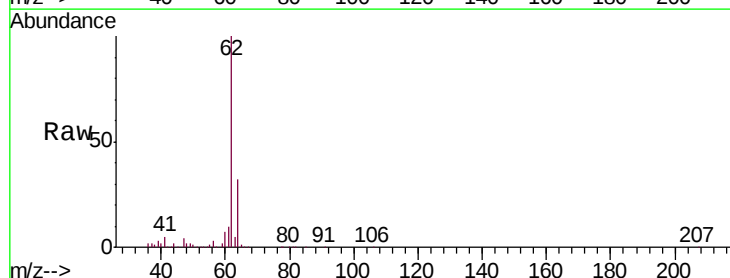
Acq: 07 Sep 2019 11:03

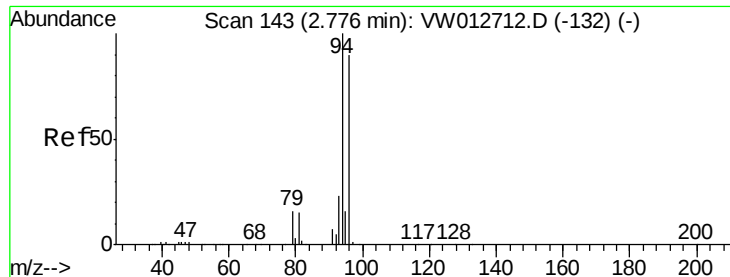
Tgt Ion: 62 Resp: 103265

Ion Ratio Lower Upper

62 100

64 31.6 25.3 37.9





#5

Bromomethane

Concen: 52.745 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW012712.D

Acq: 07 Sep 2019 11:03

Instrument :

MSVOA_W

ClientSampleId :

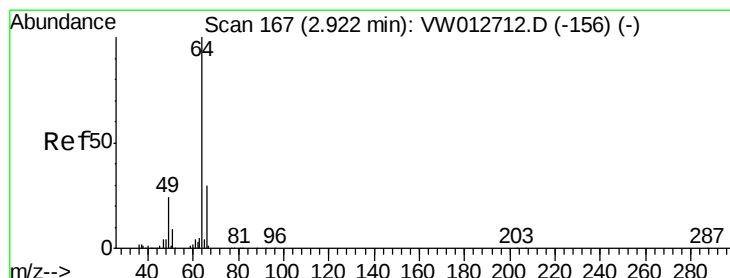
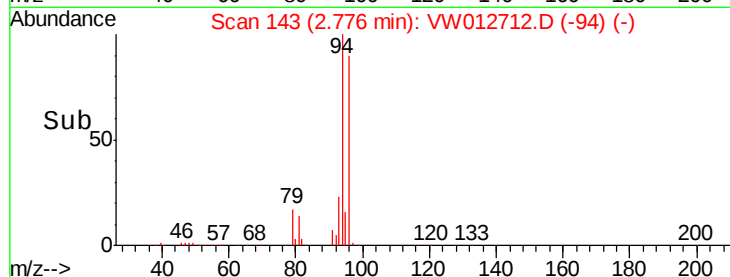
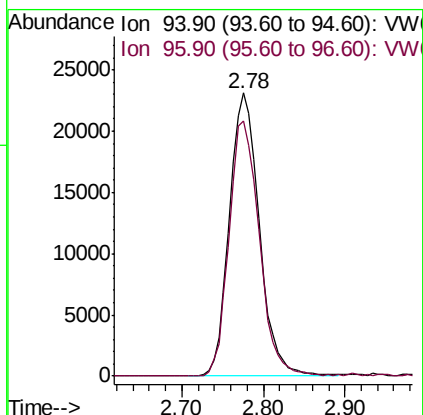
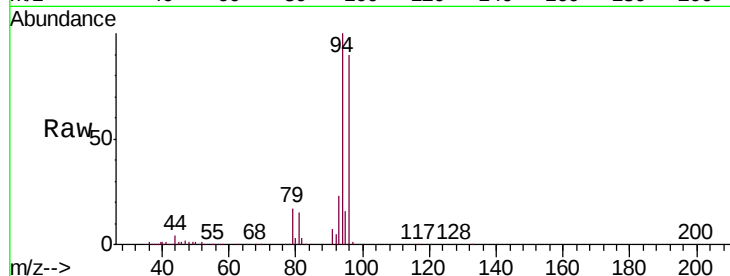
VSTDICCC050

Tgt Ion: 94 Resp: 58415

Ion Ratio Lower Upper

94 100

96 90.1 72.1 108.1



#6

Chloroethane

Concen: 52.029 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW012712.D

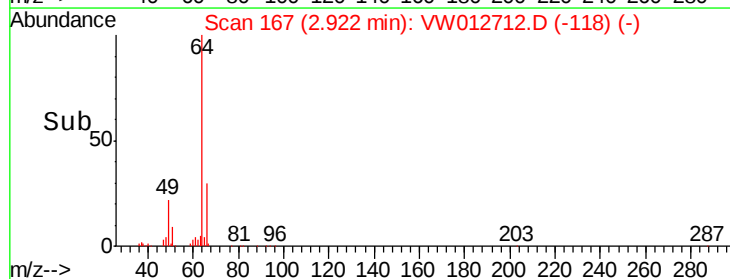
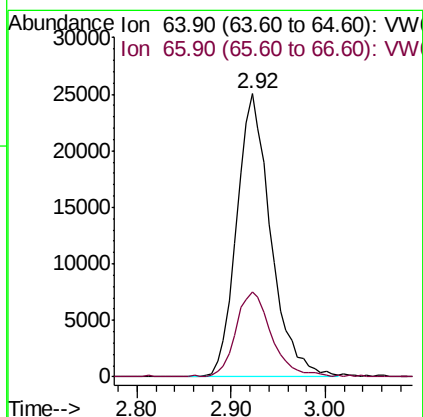
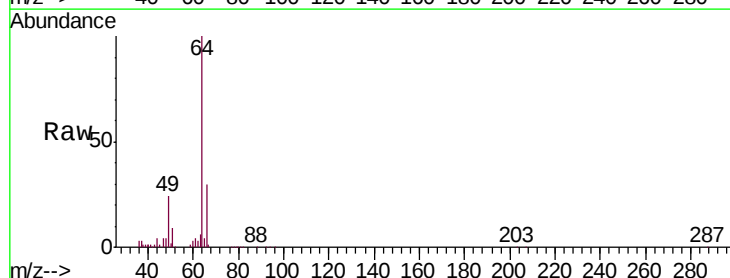
Acq: 07 Sep 2019 11:03

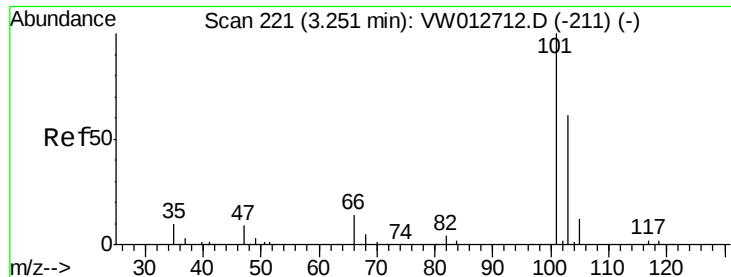
Tgt Ion: 64 Resp: 63322

Ion Ratio Lower Upper

64 100

66 29.7 23.8 35.6



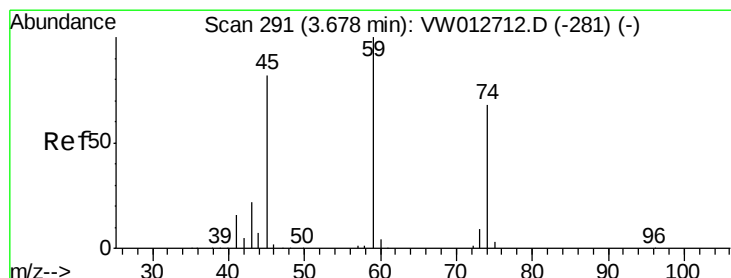
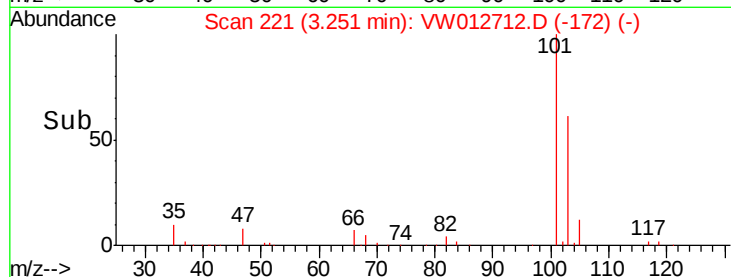
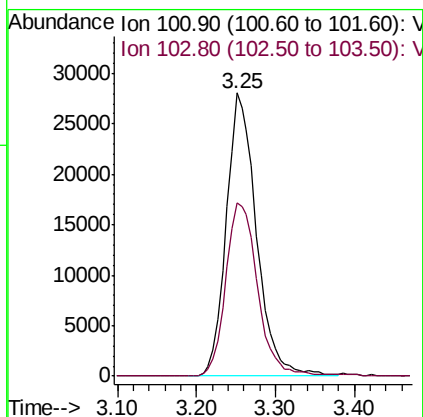
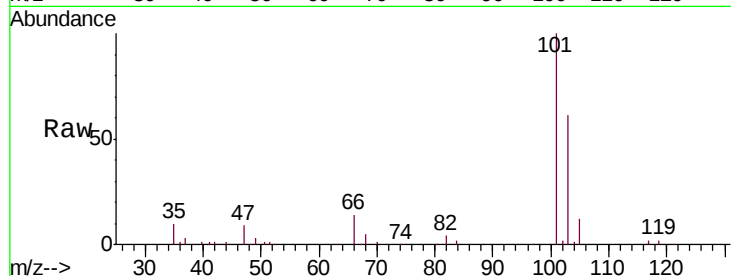


#7

Trichlorofluoromethane
 Concen: 53.011 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. 0.00 min
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 VSTDICCC050

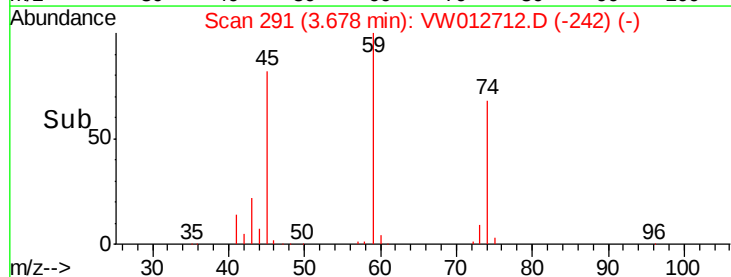
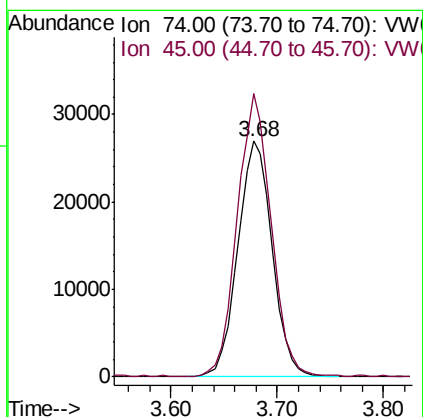
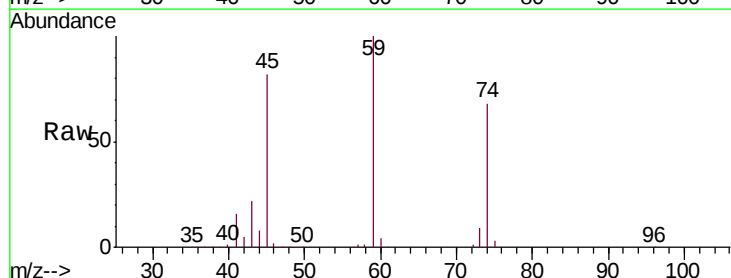
Tgt Ion:101 Resp: 74609
 Ion Ratio Lower Upper
 101 100
 103 61.2 49.0 73.4

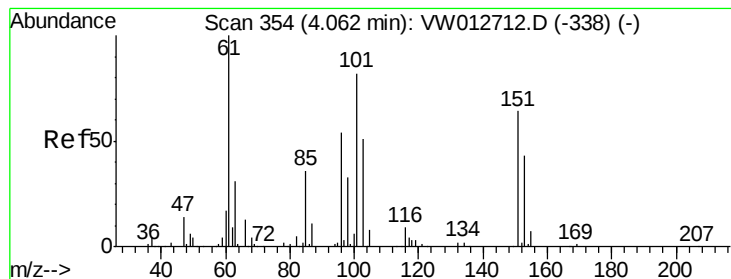


#8

Diethyl Ether
 Concen: 51.707 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW012712.D
 Acq: 07 Sep 2019 11:03

Tgt Ion: 74 Resp: 61164
 Ion Ratio Lower Upper
 74 100
 45 117.6 58.8 176.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.785 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW012712.D

Acq: 07 Sep 2019 11:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

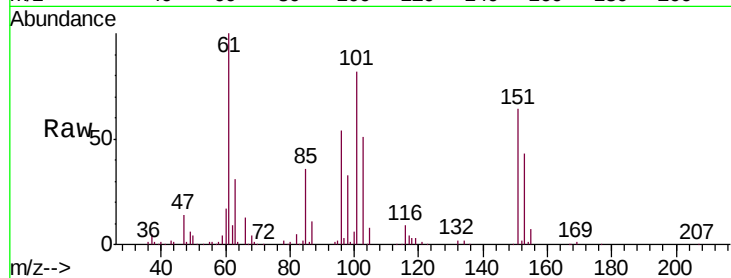
Tgt Ion:101 Resp: 116584

Ion Ratio Lower Upper

101 100

85 45.2 36.2 54.2

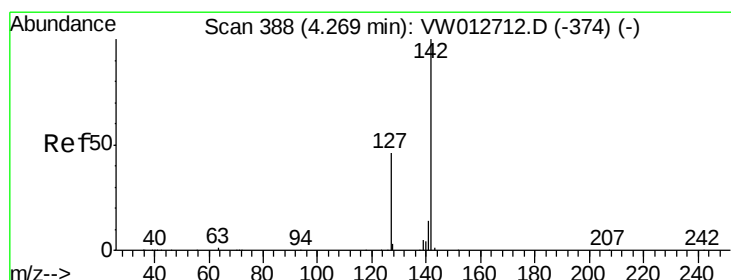
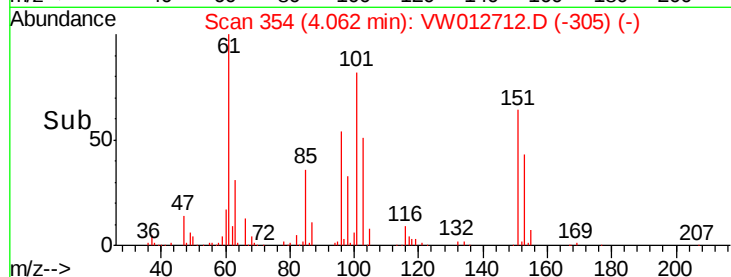
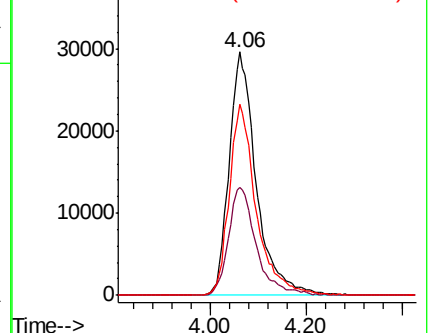
151 77.4 61.9 92.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.792 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW012712.D

Acq: 07 Sep 2019 11:03

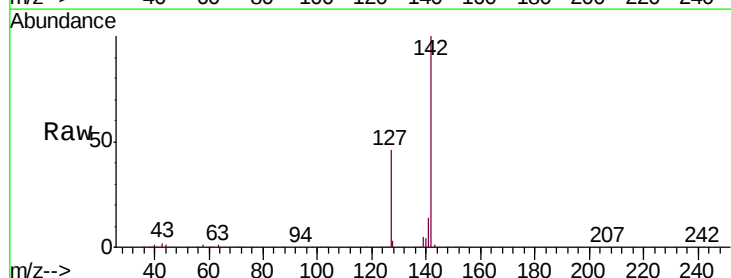
Tgt Ion:142 Resp: 146784

Ion Ratio Lower Upper

142 100

127 45.0 36.0 54.0

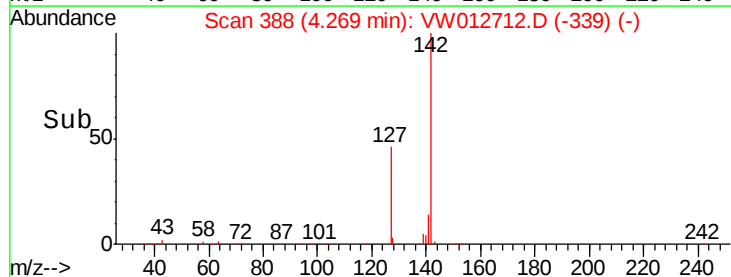
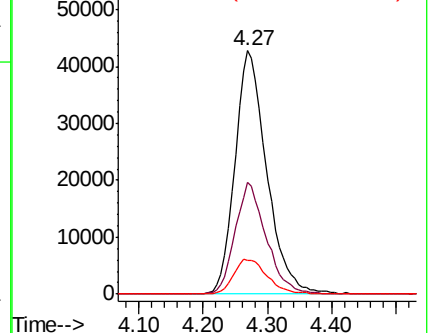
141 15.3 12.2 18.4

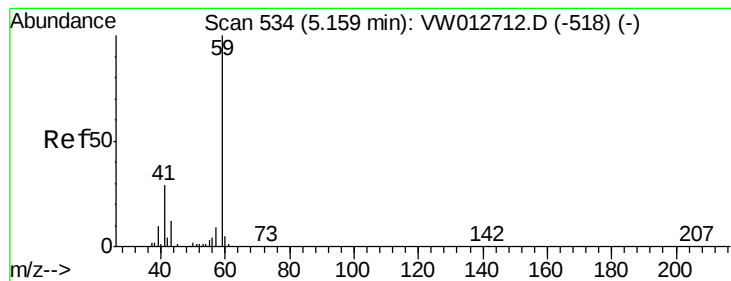


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



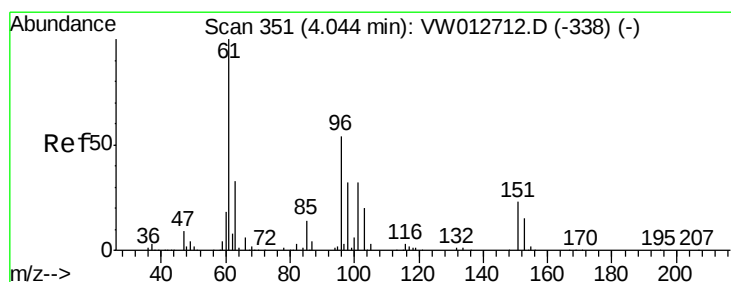
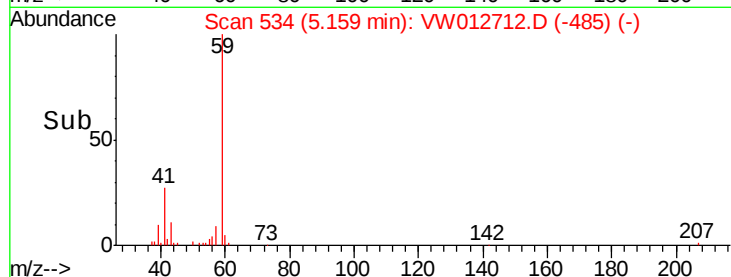
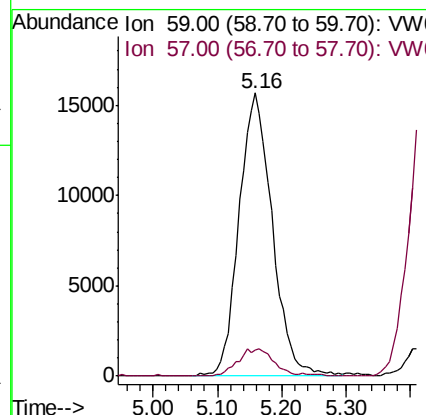
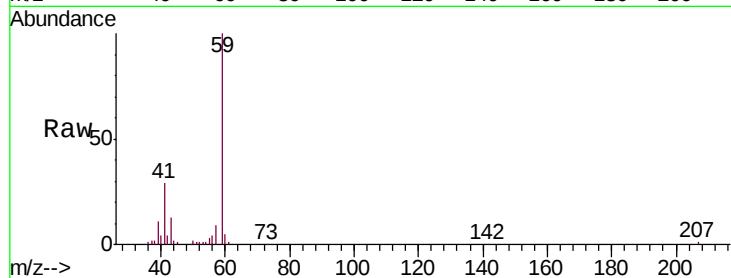


#11

Tert butyl alcohol
 Concen: 258.721 ug/l
 RT: 5.16 min Scan# 534
 Delta R.T. 0.00 min
 Lab File: VW012712.D
 Acq: 07 Sep 2019 11:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

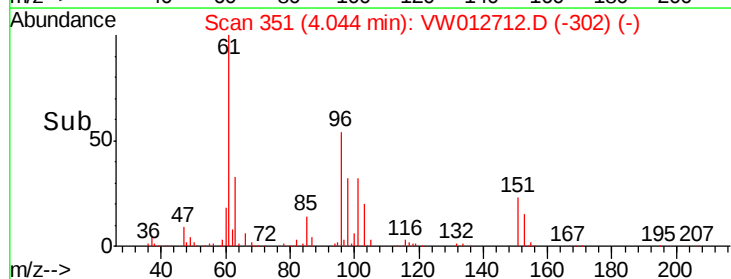
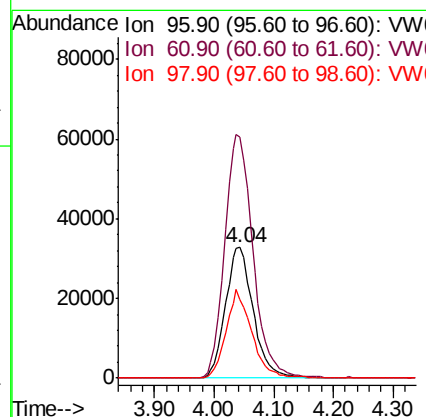
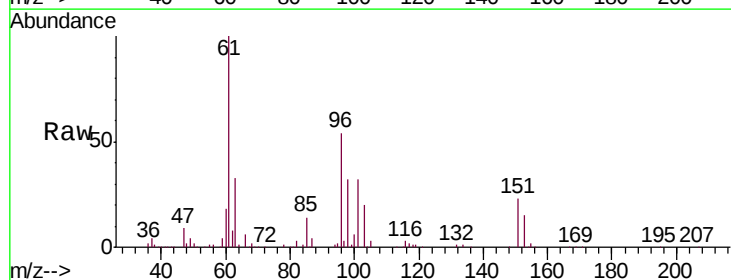
Tgt Ion: 59 Resp: 55840
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.2 12.4

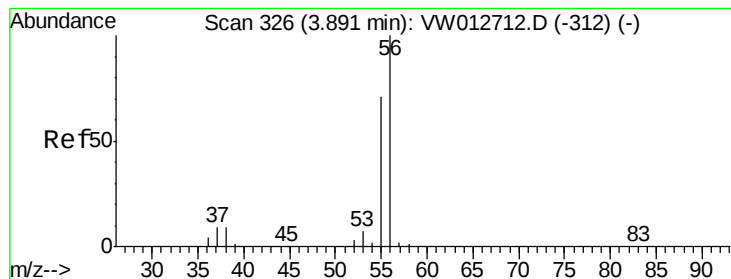


#12

1,1-Dichloroethene
 Concen: 51.085 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VW012712.D
 Acq: 07 Sep 2019 11:03

Tgt Ion: 96 Resp: 106509
 Ion Ratio Lower Upper
 96 100
 61 184.7 147.8 221.6
 98 59.9 47.9 71.9





#13

Acrolein

Concen: 233.457 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW012712.D

Acq: 07 Sep 2019 11:03

Instrument :

MSVOA_W

ClientSampleId :

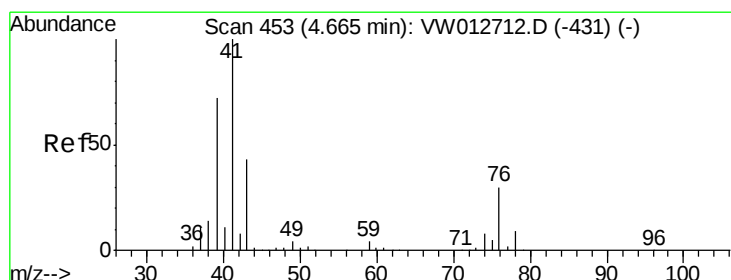
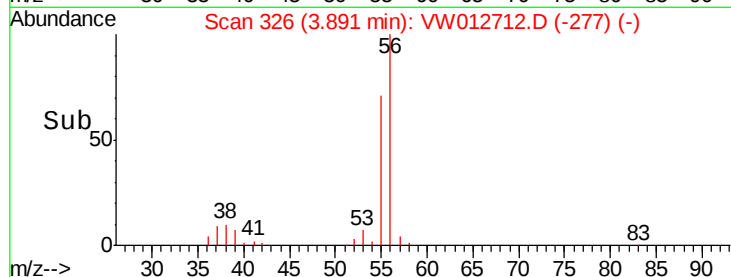
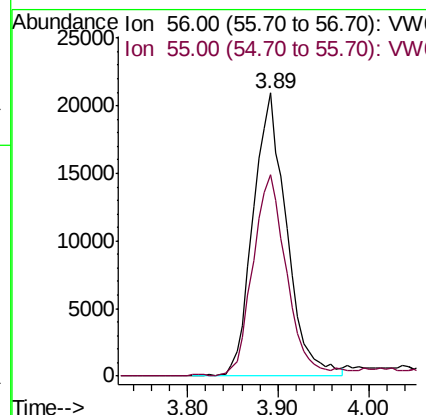
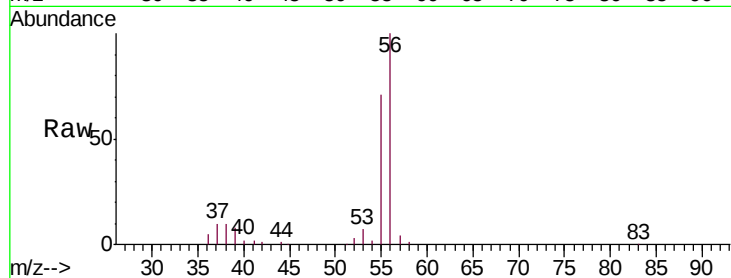
VSTDICCC050

Tgt Ion: 56 Resp: 53470

Ion Ratio Lower Upper

56 100

55 71.1 56.9 85.3



#14

Allyl chloride

Concen: 52.493 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW012712.D

Acq: 07 Sep 2019 11:03

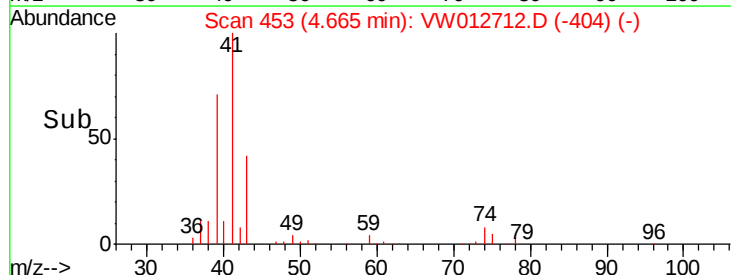
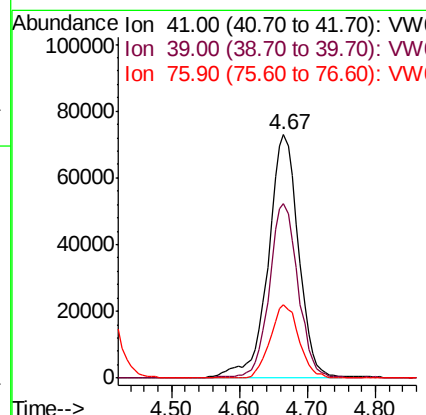
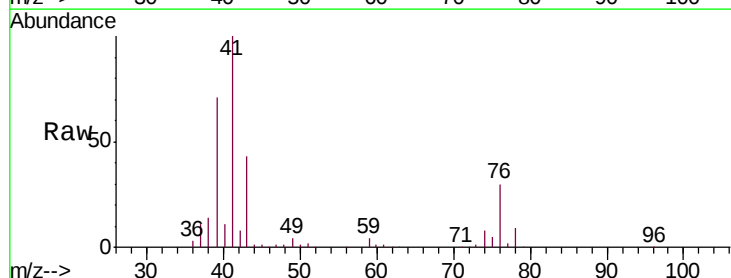
Tgt Ion: 41 Resp: 226405

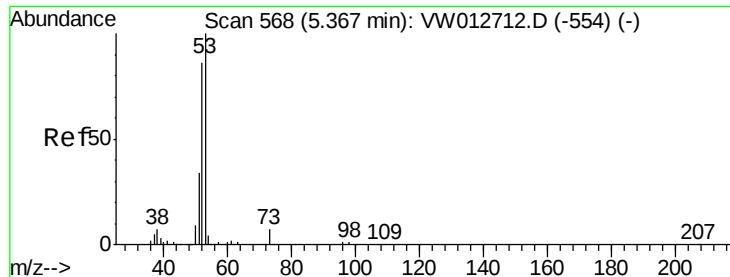
Ion Ratio Lower Upper

41 100

39 68.8 55.0 82.6

76 28.7 23.0 34.4





#15

Acrylonitrile

Concen: 265.730 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW012712.D

Acq: 07 Sep 2019 11:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

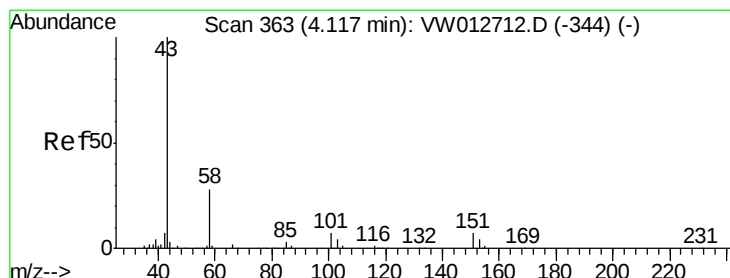
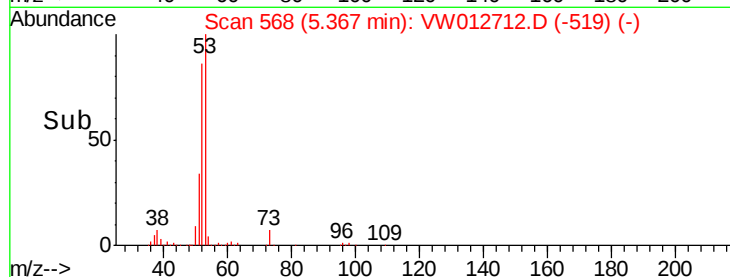
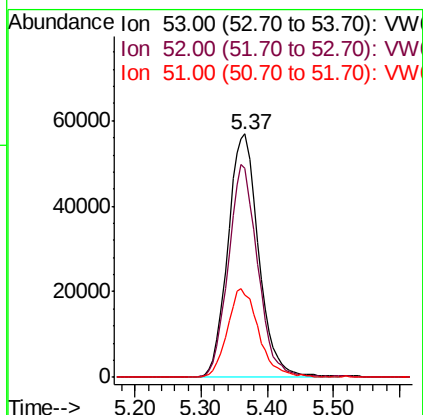
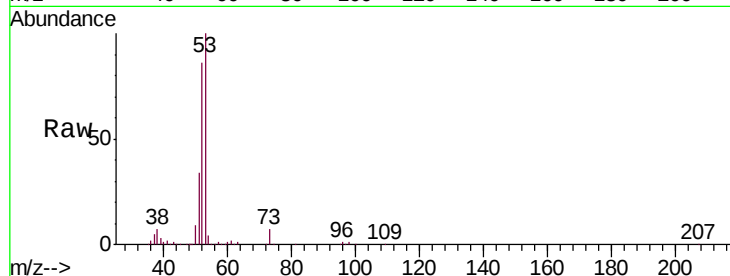
Tgt Ion: 53 Resp: 183593

Ion Ratio Lower Upper

53 100

52 83.7 67.0 100.4

51 37.3 29.8 44.8



#16

Acetone

Concen: 273.257 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW012712.D

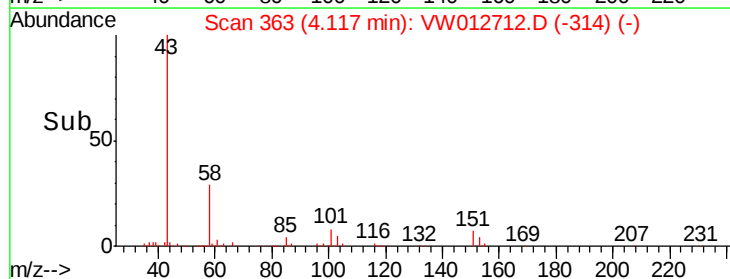
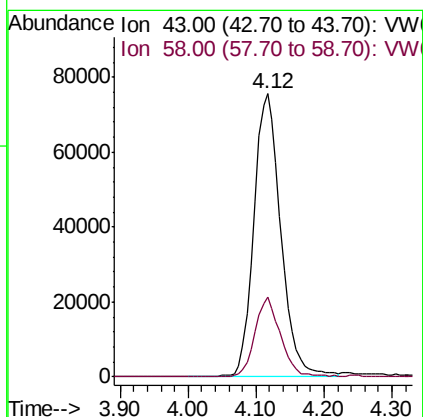
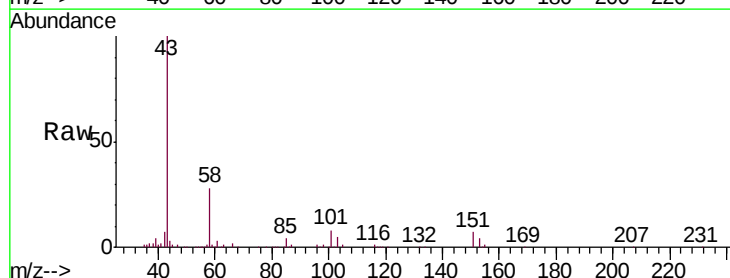
Acq: 07 Sep 2019 11:03

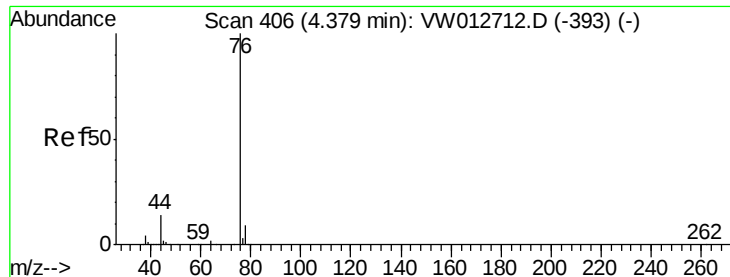
Tgt Ion: 43 Resp: 210146

Ion Ratio Lower Upper

43 100

58 28.2 22.6 33.8

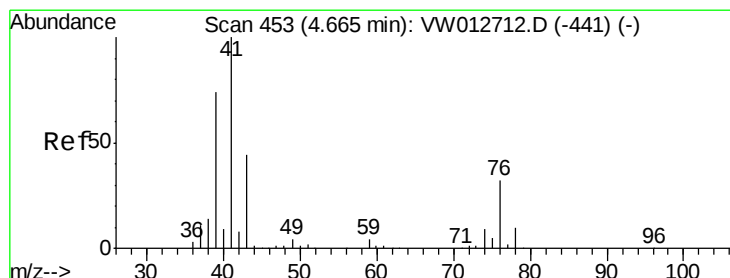
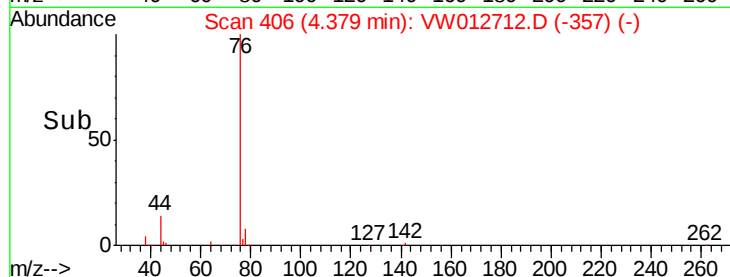
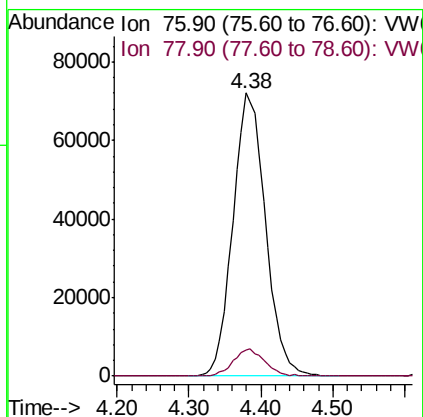
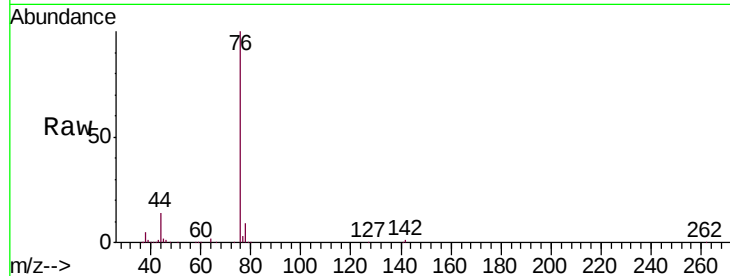




#17
Carbon Disulfide
Concen: 51.192 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW012712.D
Acq: 07 Sep 2019 11:03

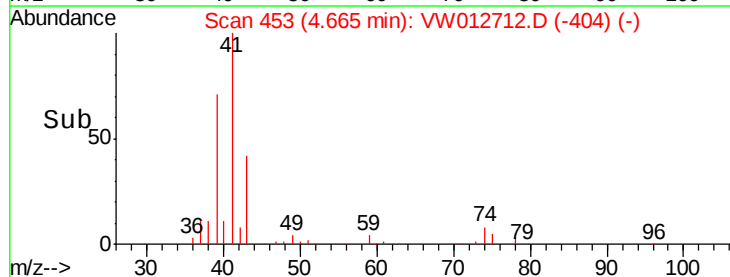
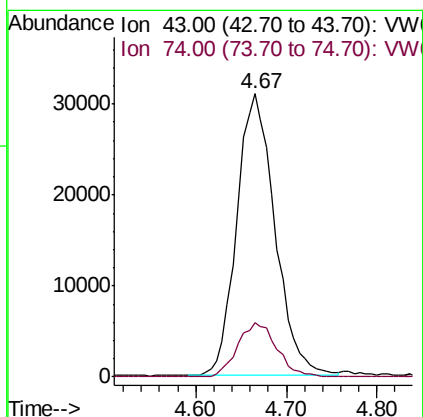
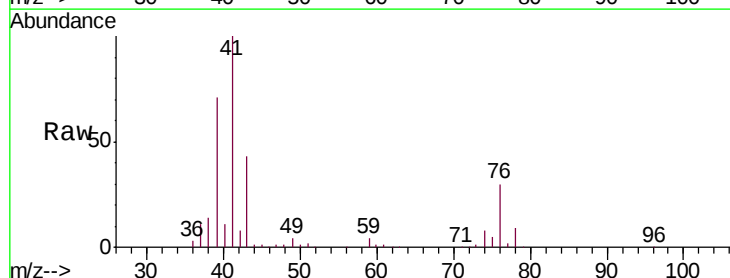
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

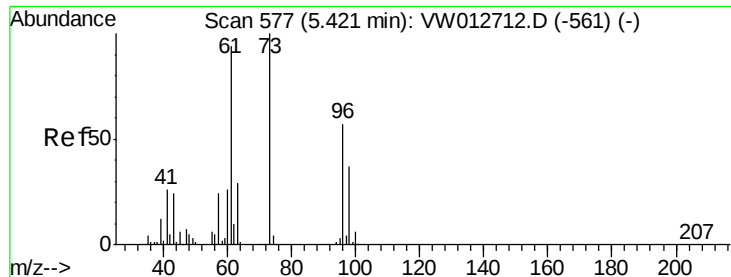
Tgt Ion: 76 Resp: 226556
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8



#18
Methyl Acetate
Concen: 50.164 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW012712.D
Acq: 07 Sep 2019 11:03

Tgt Ion: 43 Resp: 90510
Ion Ratio Lower Upper
43 100
74 19.7 15.8 23.6

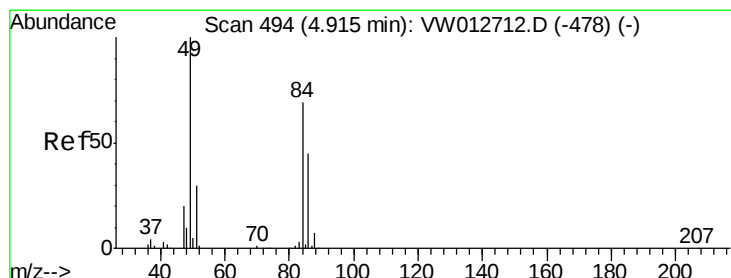
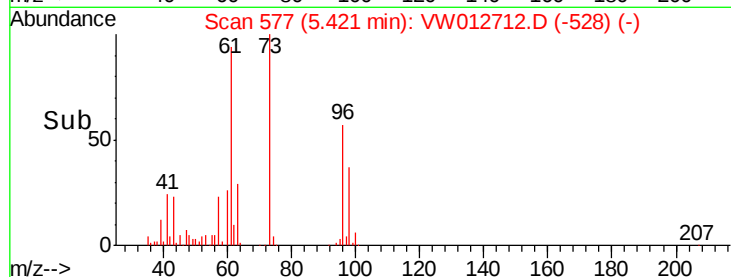
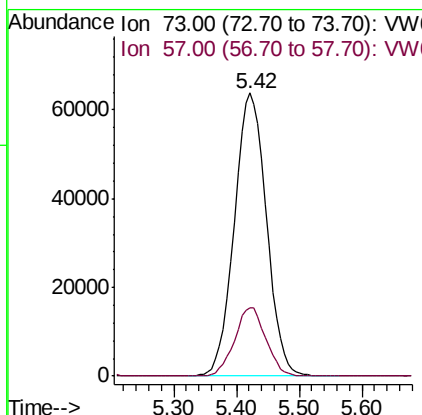
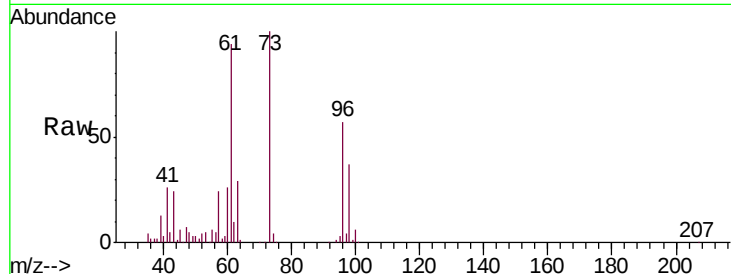




#19
Methyl tert-butyl Ether
Concen: 54.594 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW012712.D
Acq: 07 Sep 2019 11:03

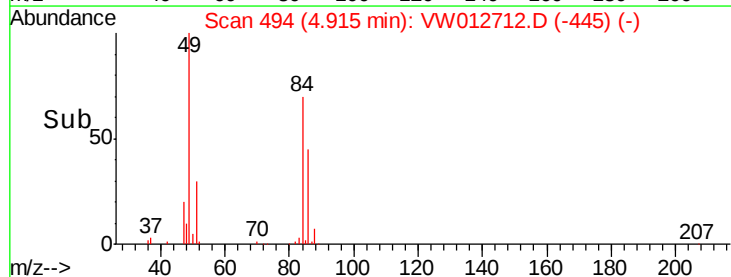
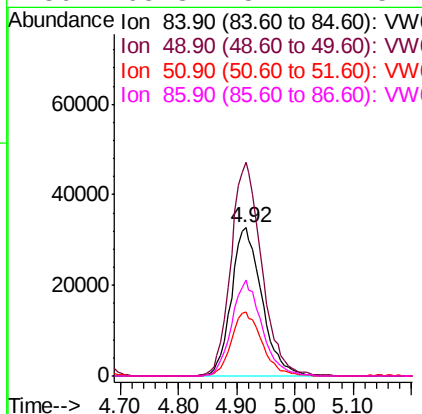
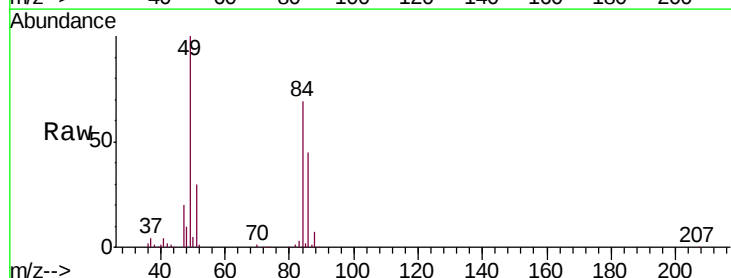
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

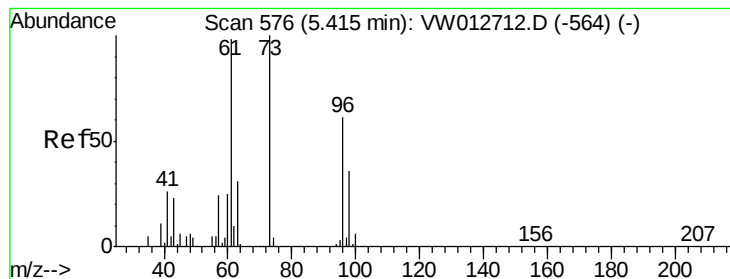
Tgt Ion: 73 Resp: 225740
Ion Ratio Lower Upper
73 100
57 24.0 19.2 28.8



#20
Methylene Chloride
Concen: 49.602 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW012712.D
Acq: 07 Sep 2019 11:03

Tgt Ion: 84 Resp: 119340
Ion Ratio Lower Upper
84 100
49 144.2 115.4 173.0
51 43.6 34.9 52.3
86 65.3 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 52.696 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW012712.D

Acq: 07 Sep 2019 11:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

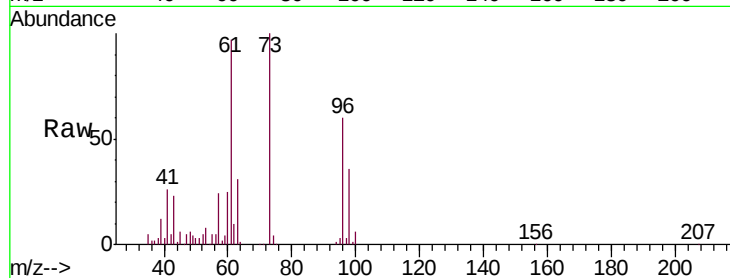
Tgt Ion: 96 Resp: 112106

Ion Ratio Lower Upper

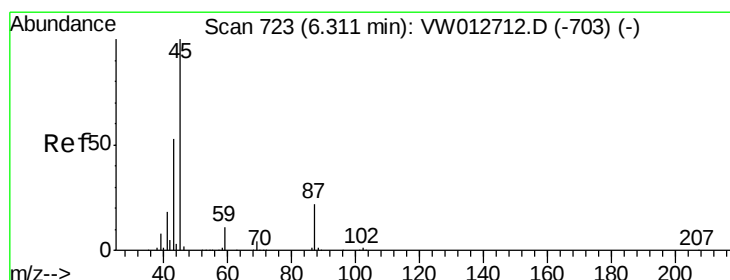
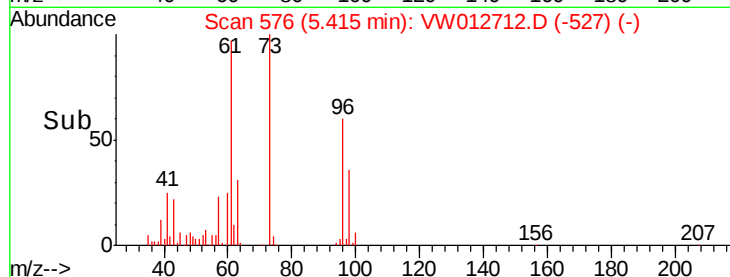
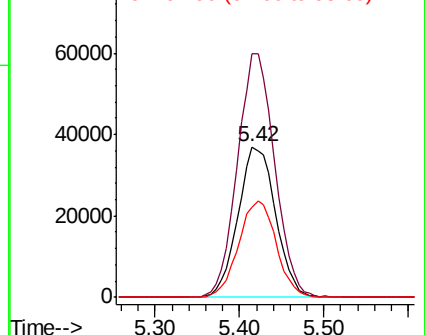
96 100

61 161.5 129.2 193.8

98 60.0 48.0 72.0



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



#22

Diisopropyl ether

Concen: 54.359 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW012712.D

Acq: 07 Sep 2019 11:03

Tgt Ion: 45 Resp: 465001

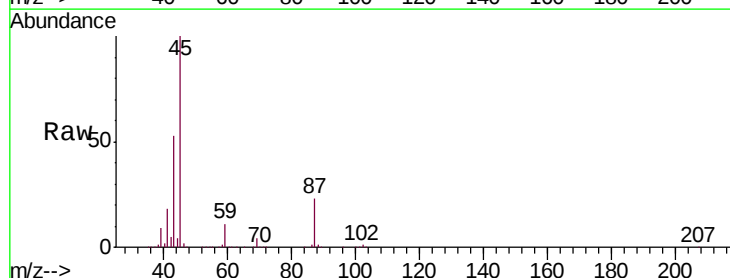
Ion Ratio Lower Upper

45 100

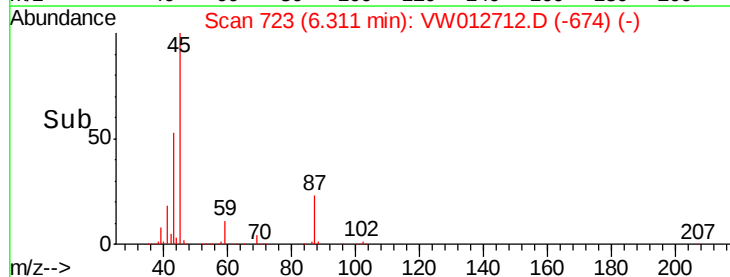
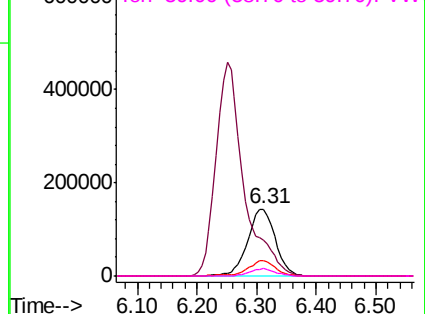
43 52.9 42.3 63.5

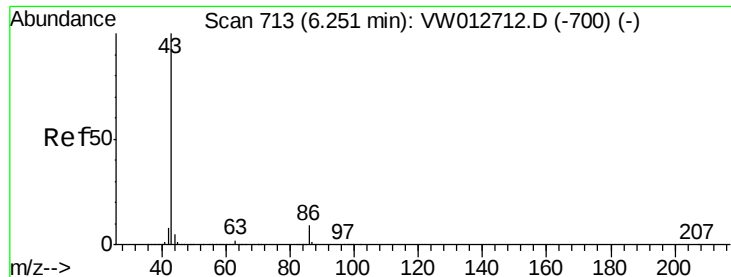
87 22.7 18.2 27.2

59 10.6 8.5 12.7



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW

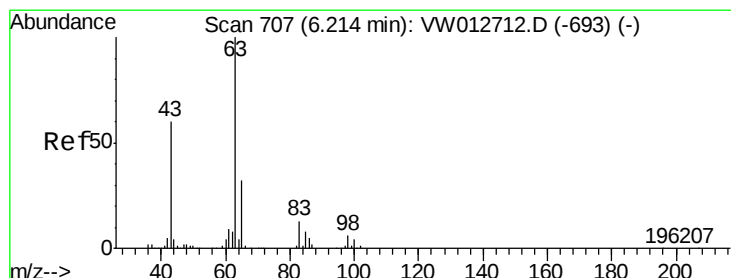
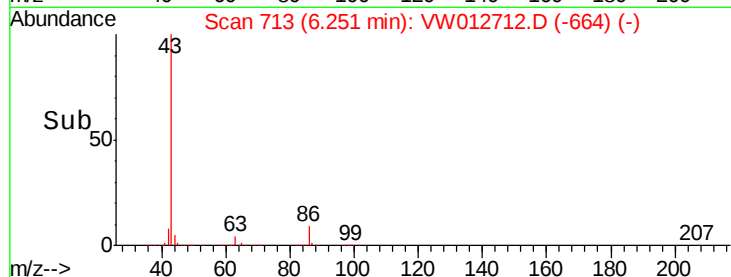
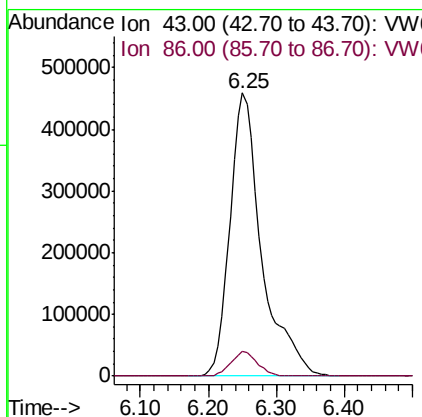
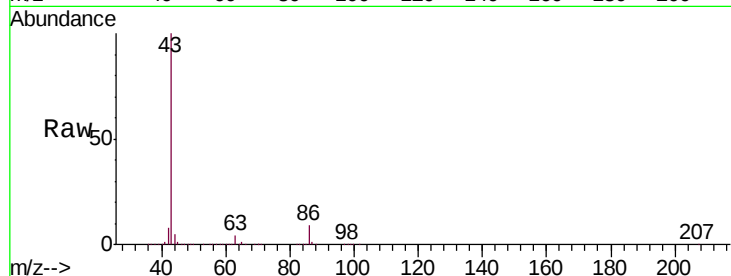




#23
 Vinyl Acetate
 Concen: 274.405 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VW012712.D
 Acq: 07 Sep 2019 11:03

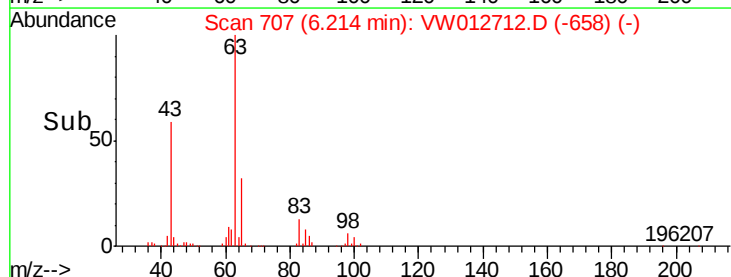
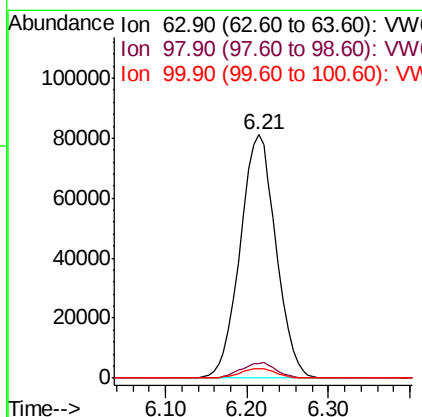
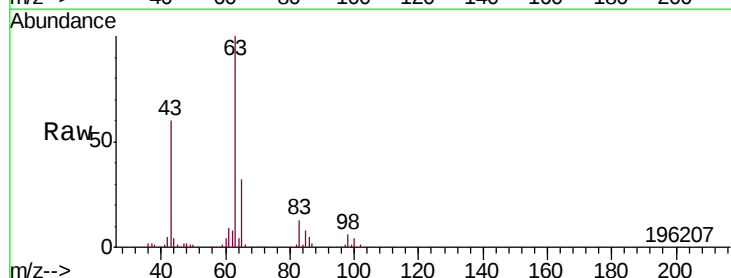
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

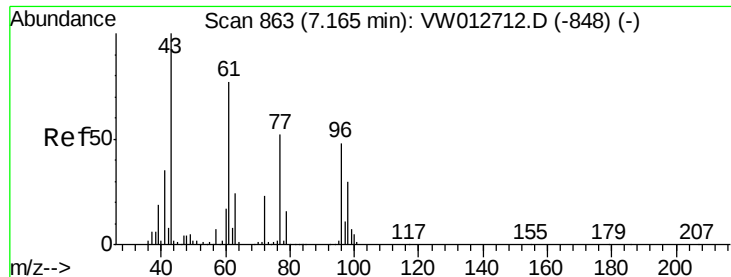
Tgt Ion: 43 Resp: 1487619
 Ion Ratio Lower Upper
 43 100
 86 8.8 7.0 10.6



#24
 1,1-Dichloroethane
 Concen: 53.657 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW012712.D
 Acq: 07 Sep 2019 11:03

Tgt Ion: 63 Resp: 247142
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.1 9.3
 100 3.7 1.8 5.5





#25

2-Butanone

Concen: 267.759 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW012712.D

Acq: 07 Sep 2019 11:03

Instrument :

MSVOA_W

ClientSampleId :

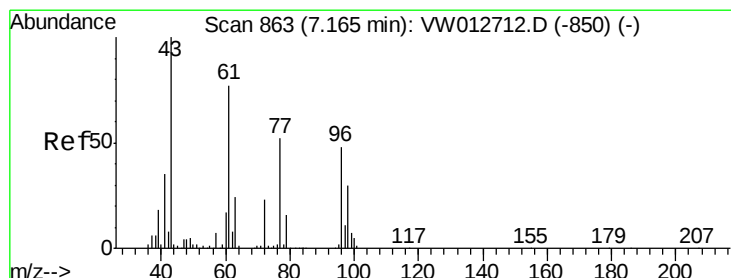
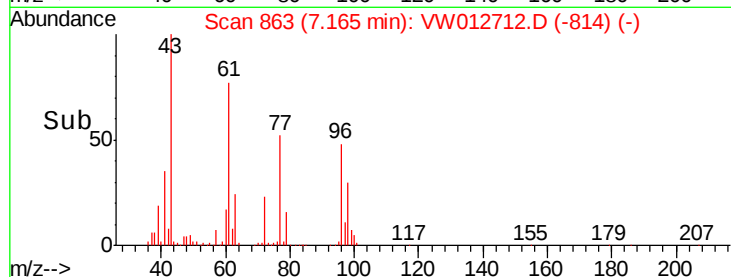
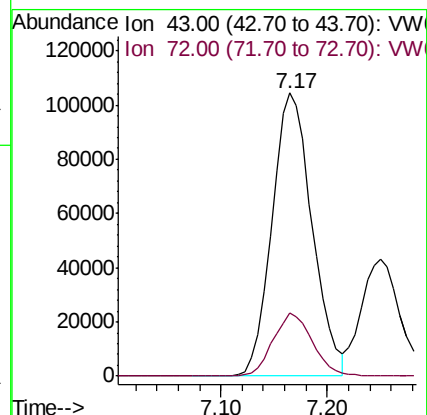
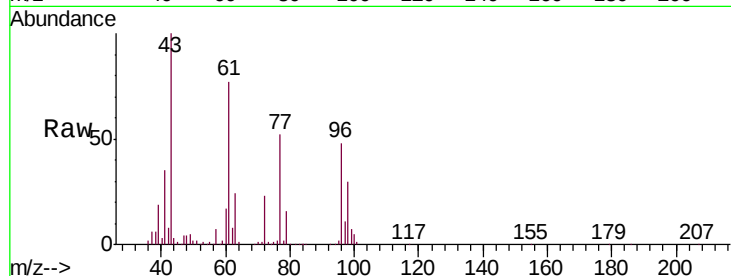
VSTDICCC050

Tgt Ion: 43 Resp: 271806

Ion Ratio Lower Upper

43 100

72 22.5 18.0 27.0



#26

2,2-Dichloropropane

Concen: 54.282 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW012712.D

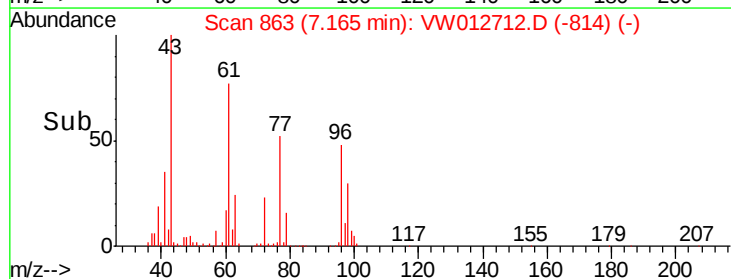
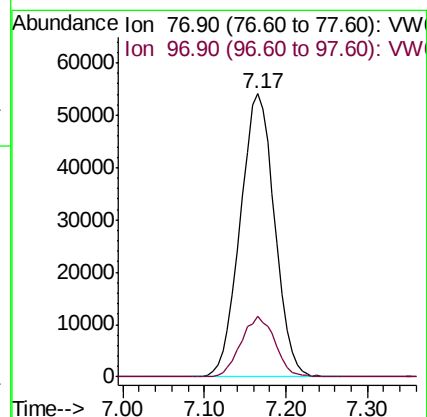
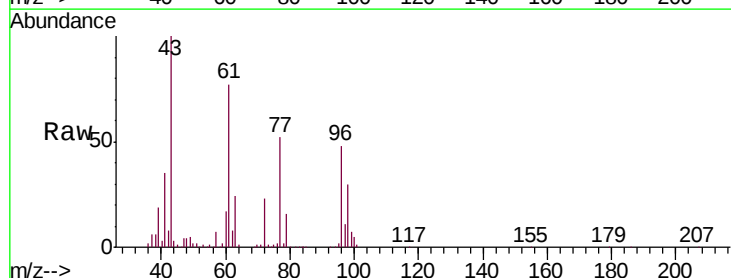
Acq: 07 Sep 2019 11:03

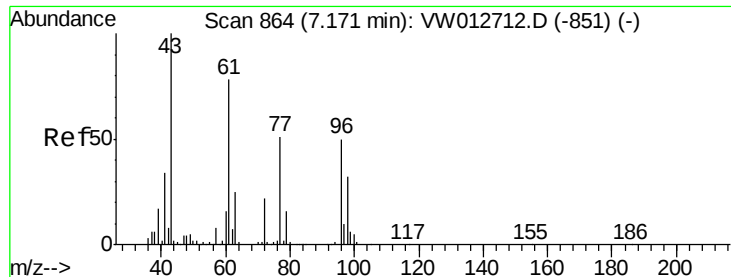
Tgt Ion: 77 Resp: 157912

Ion Ratio Lower Upper

77 100

97 21.4 10.7 32.1



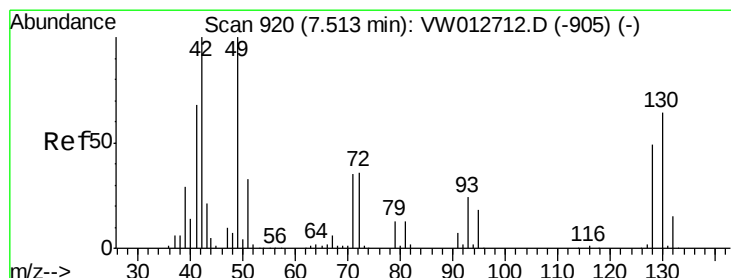
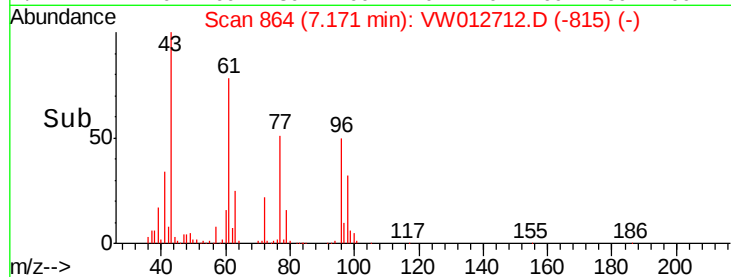
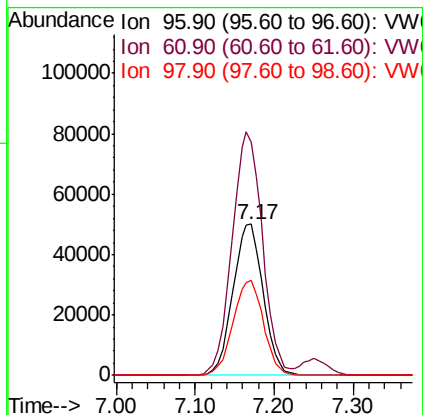
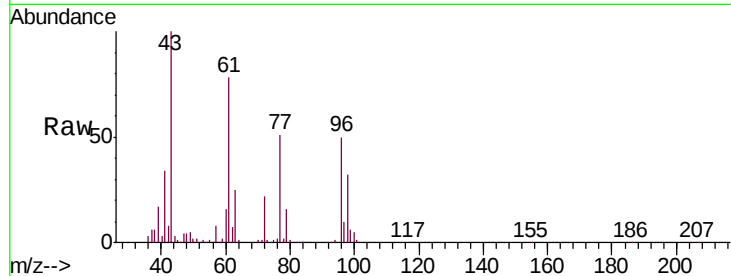


#27

cis-1,2-Dichloroethene
Concen: 53.791 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW012712.D
Acq: 07 Sep 2019 11:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

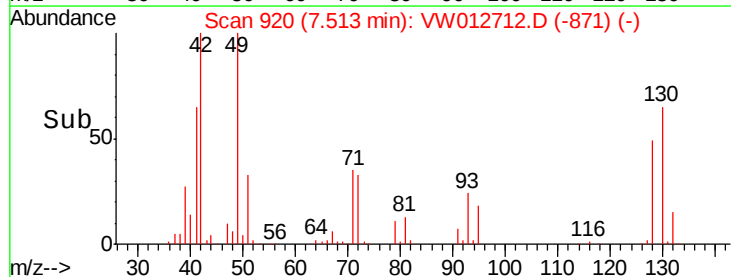
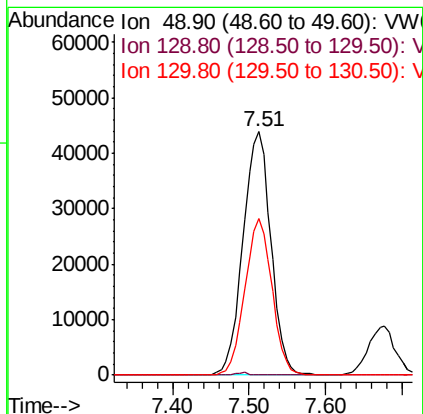
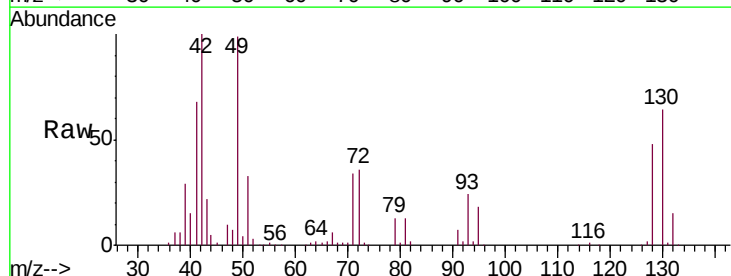
Tgt Ion: 96 Resp: 132688
Ion Ratio Lower Upper
96 100
61 162.9 0.0 325.8
98 63.5 0.0 127.0

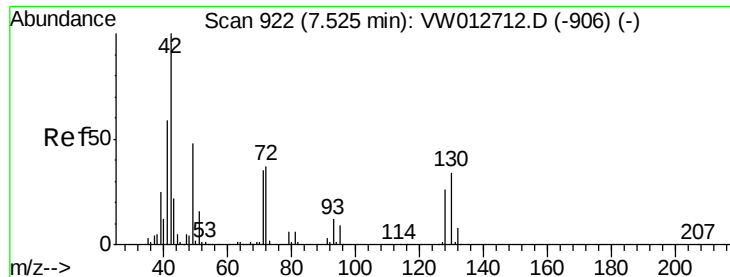


#28

Bromochloromethane
Concen: 52.573 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW012712.D
Acq: 07 Sep 2019 11:03

Tgt Ion: 49 Resp: 111188
Ion Ratio Lower Upper
49 100
129 0.4 0.0 0.8
130 62.3 49.8 74.8

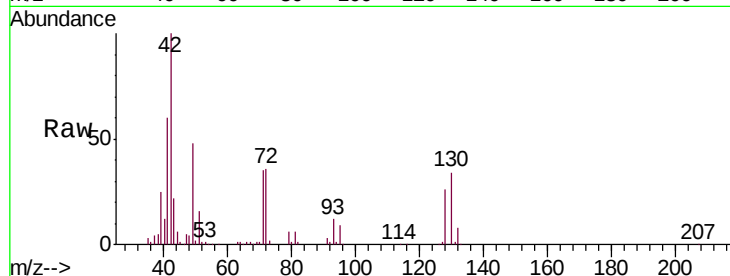




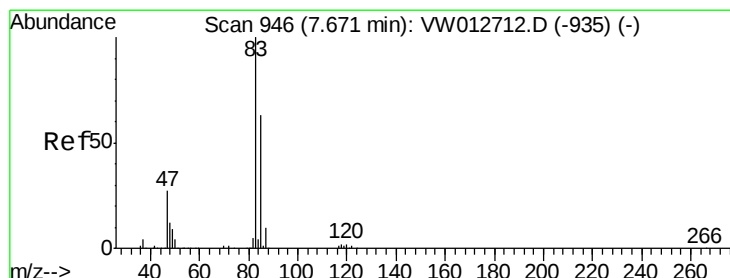
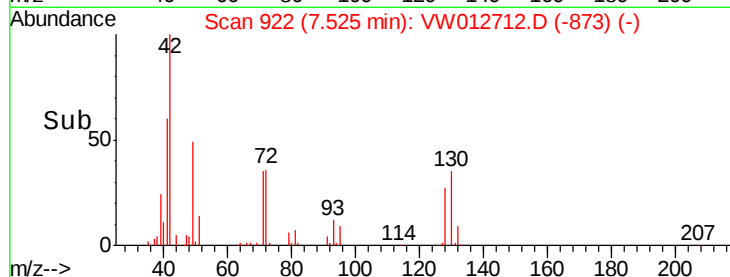
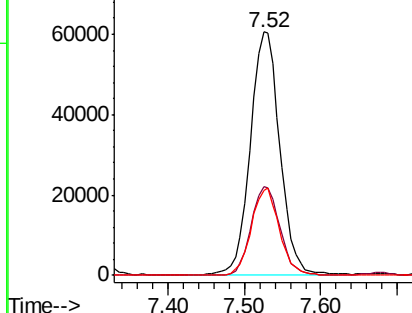
#29
Tetrahydrofuran
Concen: 262.497 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW012712.D
Acq: 07 Sep 2019 11:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 42 Resp: 163019
Ion Ratio Lower Upper
42 100
72 35.5 28.4 42.6
71 33.9 27.1 40.7

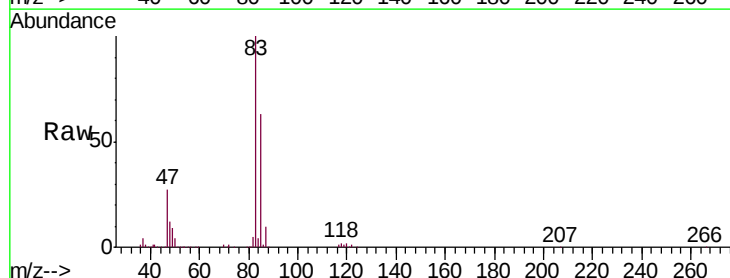


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

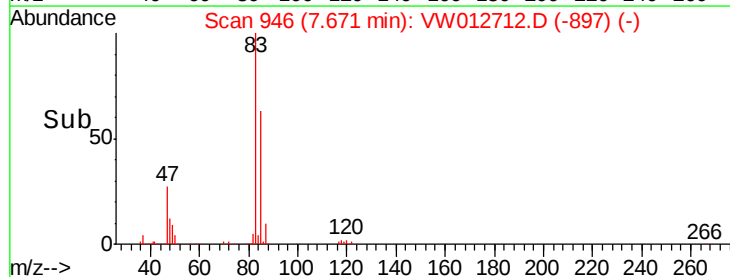
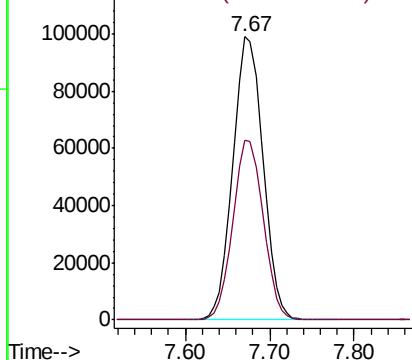


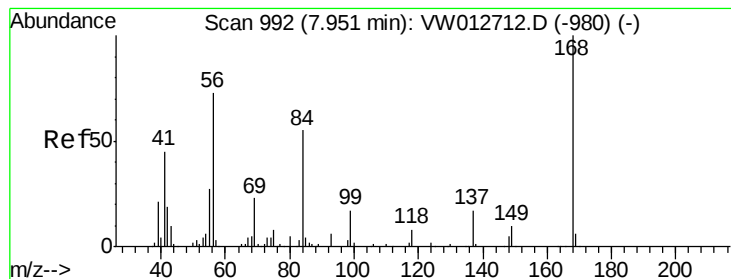
#30
Chloroform
Concen: 52.570 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW012712.D
Acq: 07 Sep 2019 11:03

Tgt Ion: 83 Resp: 239971
Ion Ratio Lower Upper
83 100
85 63.3 50.6 76.0



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 48.872 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW012712.D

Acq: 07 Sep 2019 11:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

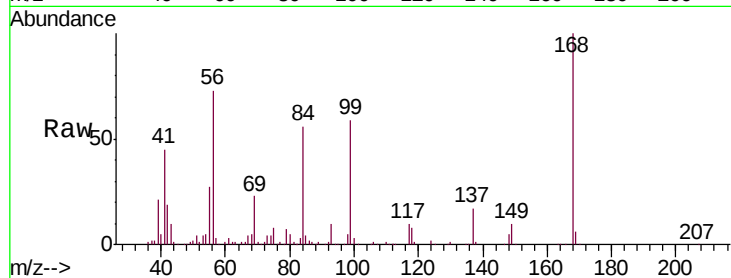
Tgt Ion: 56 Resp: 202651

Ion Ratio Lower Upper

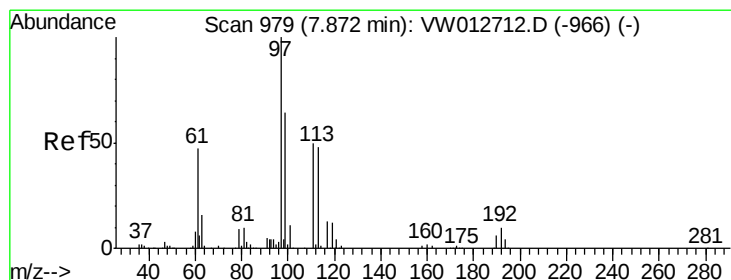
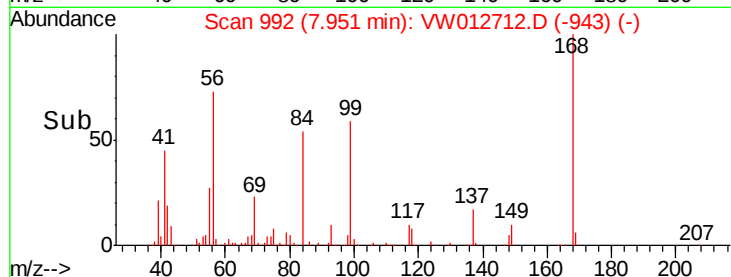
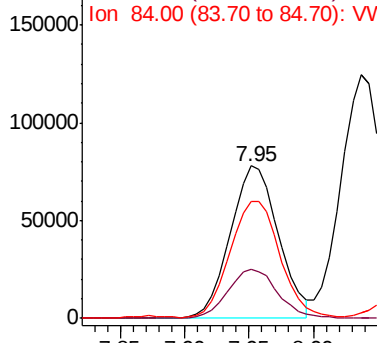
56 100

69 32.1 25.7 38.5

84 75.5 60.4 90.6



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: 53.470 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW012712.D

Acq: 07 Sep 2019 11:03

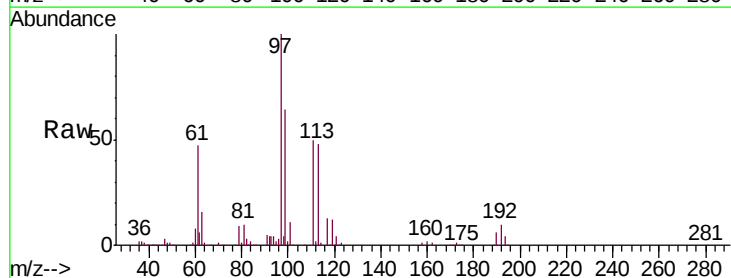
Tgt Ion: 97 Resp: 197851

Ion Ratio Lower Upper

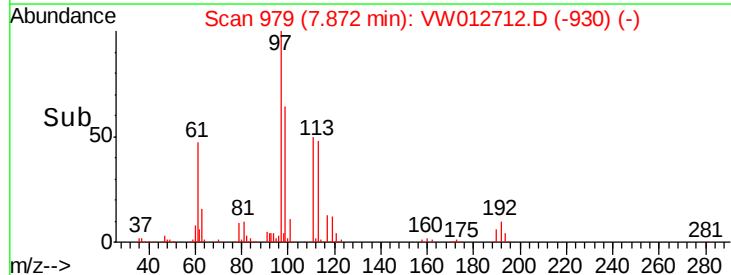
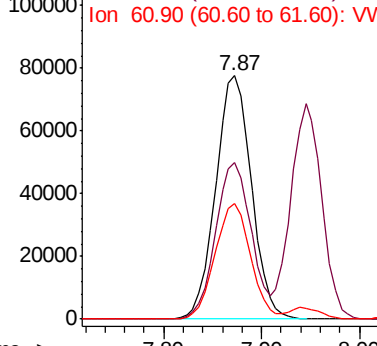
97 100

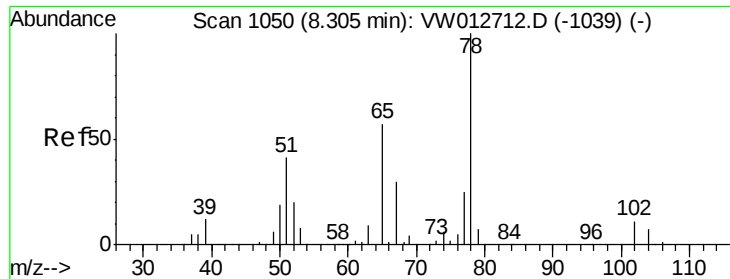
99 64.4 51.5 77.3

61 47.4 37.9 56.9



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

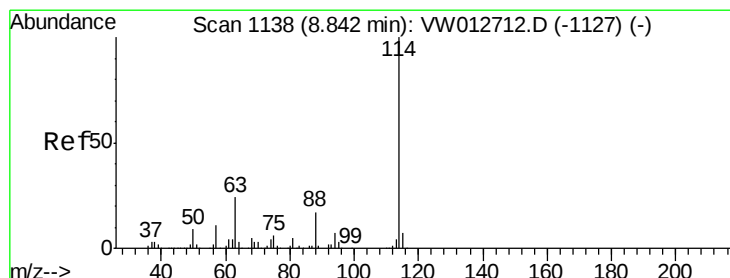
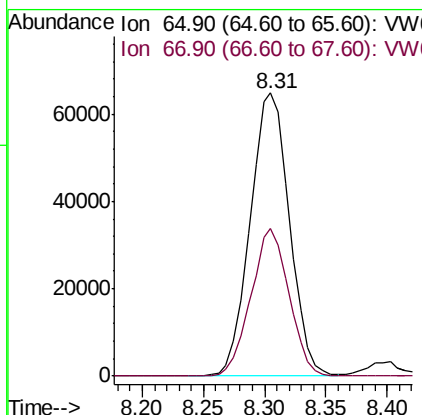
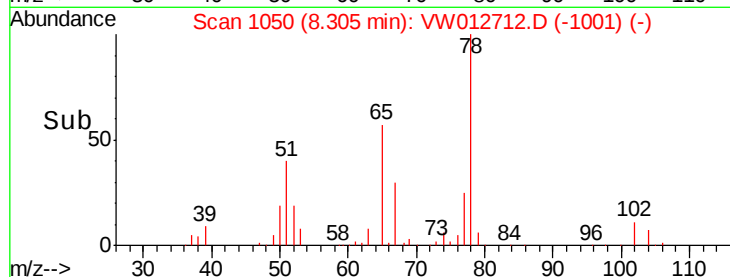
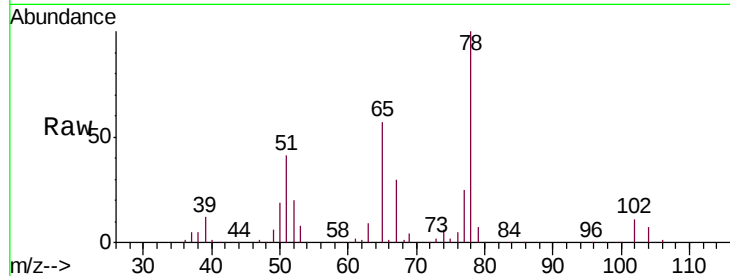




#33
 1,2-Dichloroethane-d4
 Concen: 51.279 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW012712.D
 Acq: 07 Sep 2019 11:03

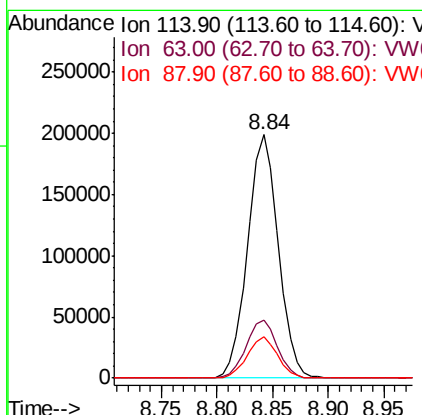
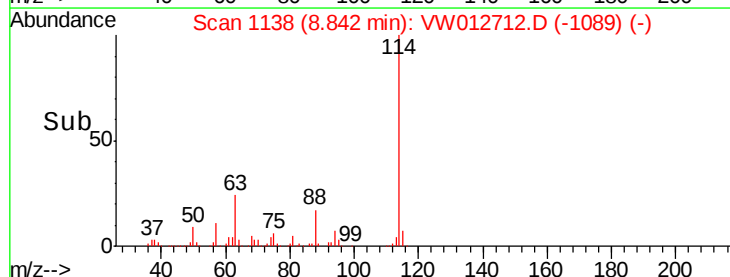
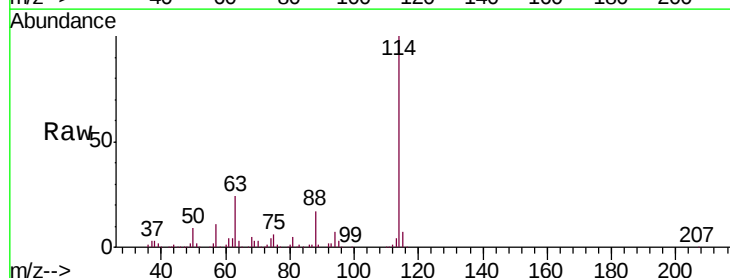
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

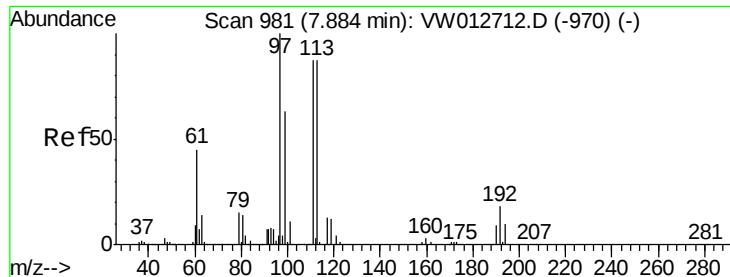
Tgt Ion: 65 Resp: 144653
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012712.D
 Acq: 07 Sep 2019 11:03

Tgt Ion: 114 Resp: 381789
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 47.2
 88 17.0 0.0 34.0

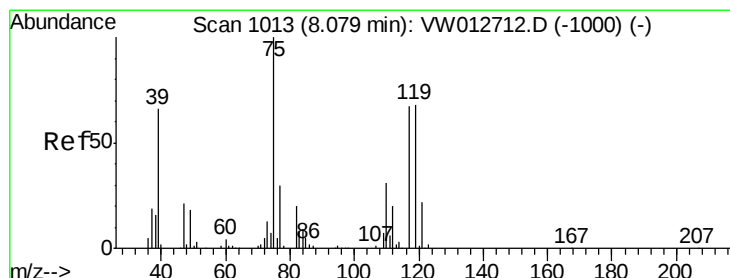
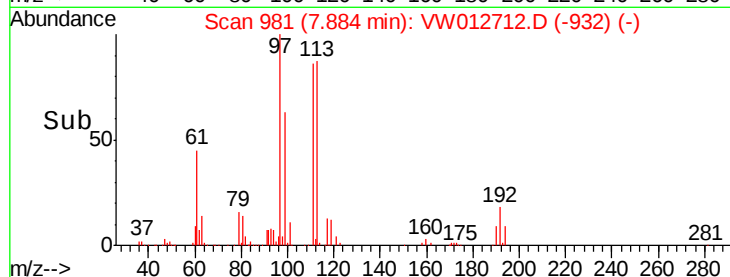
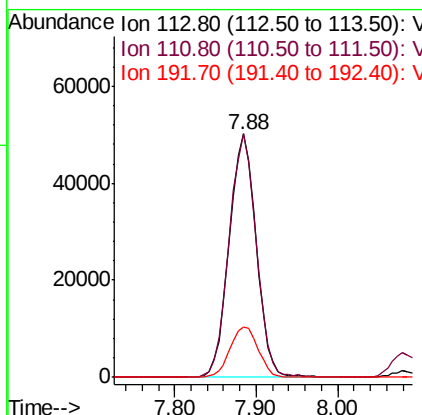
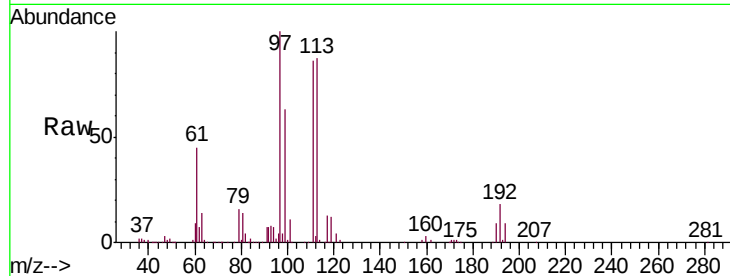




#35
 Dibromofluoromethane
 Concen: 50.432 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW012712.D
 Acq: 07 Sep 2019 11:03

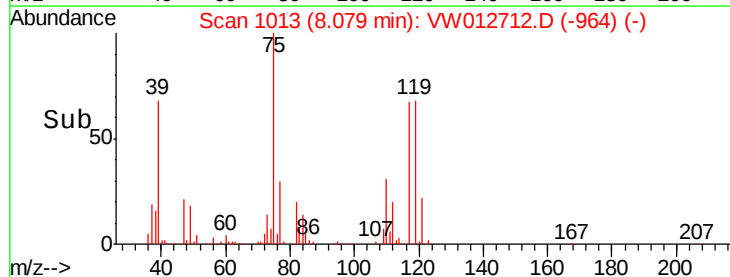
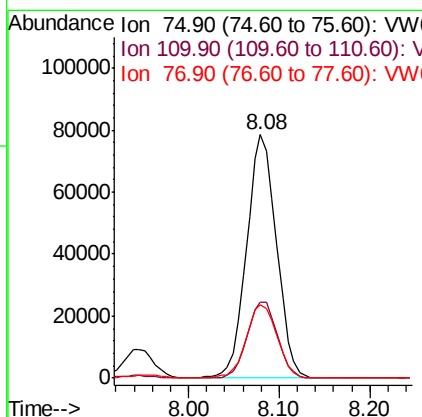
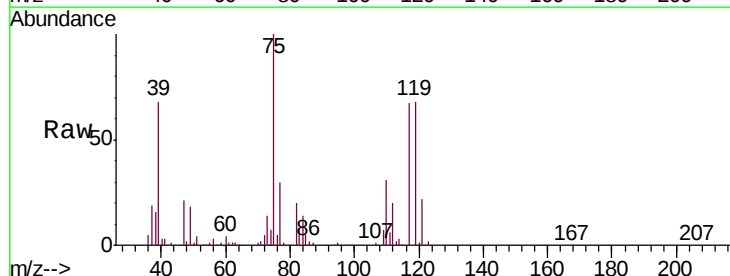
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

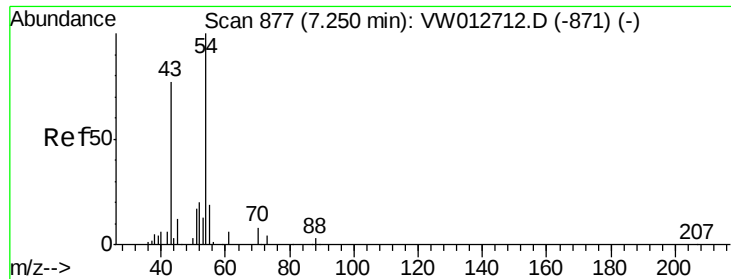
Tgt Ion: 113 Resp: 114472
 Ion Ratio Lower Upper
 113 100
 111 100.3 80.2 120.4
 192 21.6 17.3 25.9



#36
 1,1-Dichloropropene
 Concen: 52.760 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW012712.D
 Acq: 07 Sep 2019 11:03

Tgt Ion: 75 Resp: 178976
 Ion Ratio Lower Upper
 75 100
 110 31.8 15.9 47.7
 77 31.2 25.0 37.4

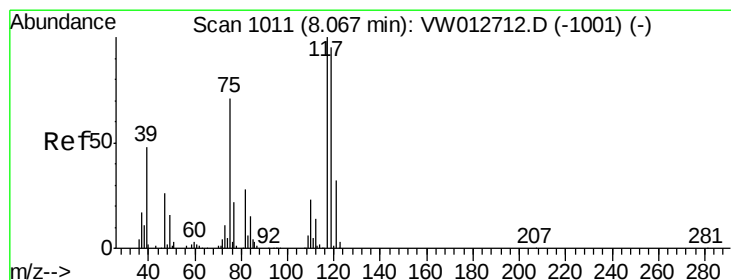
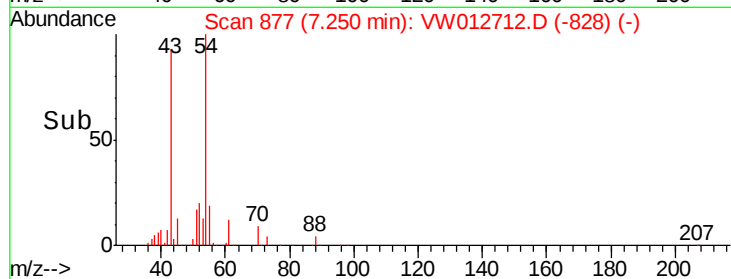
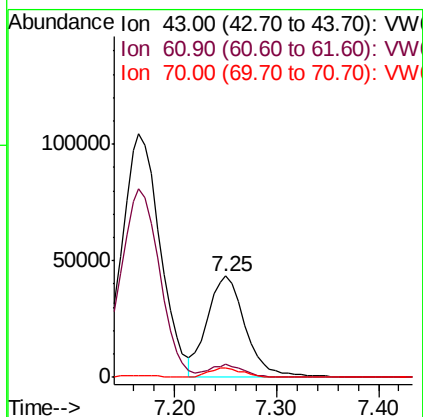
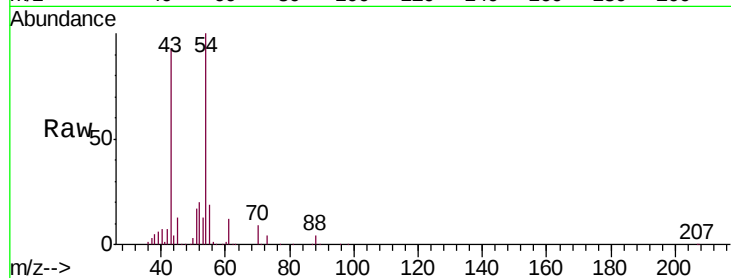




#37
Ethyl Acetate
Concen: 51.851 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW012712.D
Acq: 07 Sep 2019 11:03

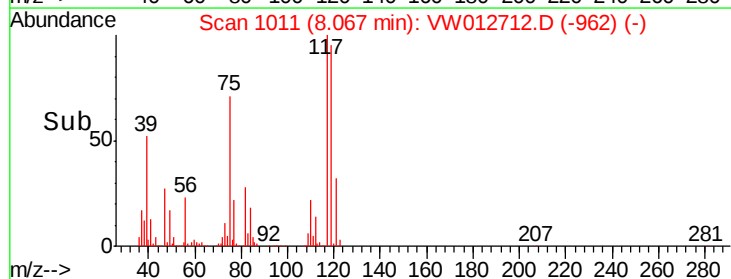
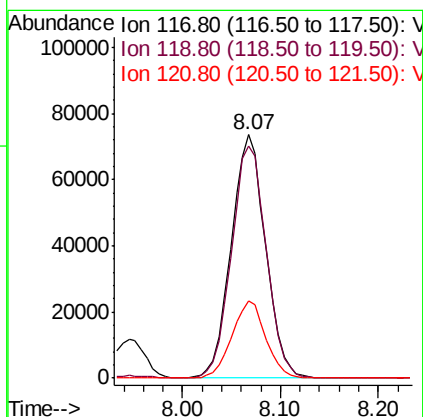
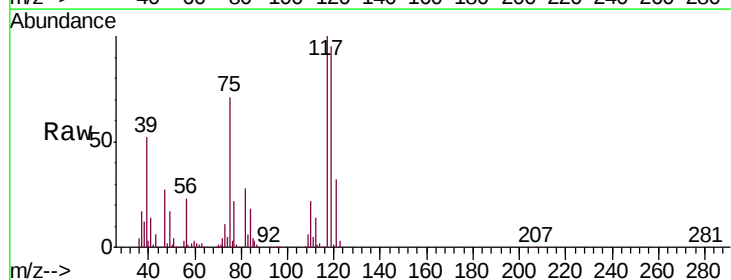
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

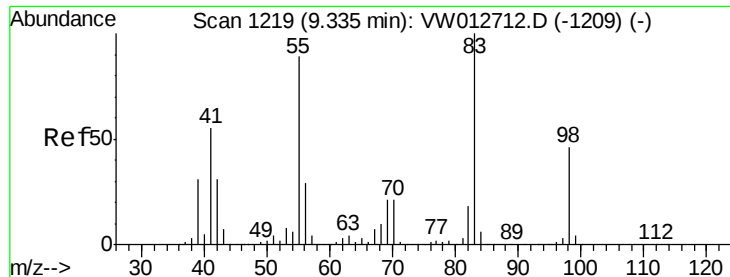
Tgt Ion: 43 Resp: 112128
Ion Ratio Lower Upper
43 100
61 11.9 9.5 14.3
70 8.8 7.0 10.6



#38
Carbon Tetrachloride
Concen: 53.501 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW012712.D
Acq: 07 Sep 2019 11:03

Tgt Ion: 117 Resp: 178905
Ion Ratio Lower Upper
117 100
119 95.2 76.2 114.2
121 31.8 25.4 38.2

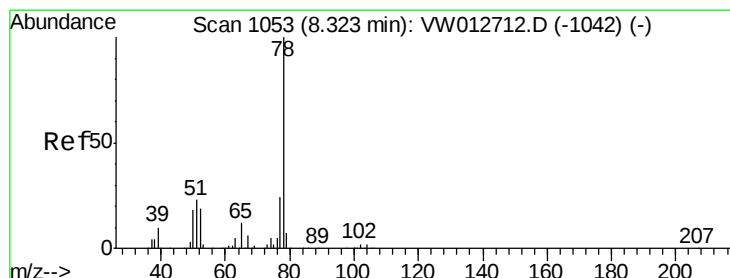
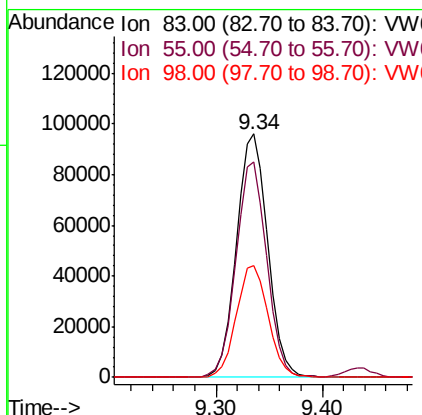
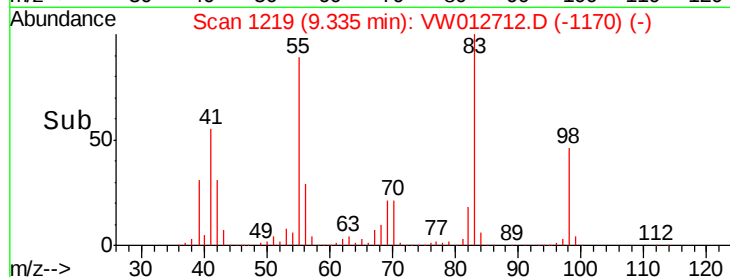
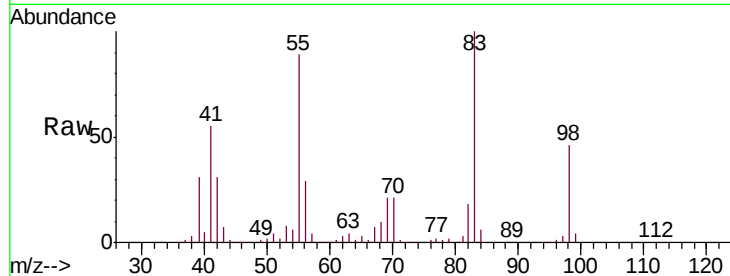




#39
Methylcyclohexane
Concen: 51.986 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW012712.D
Acq: 07 Sep 2019 11:03

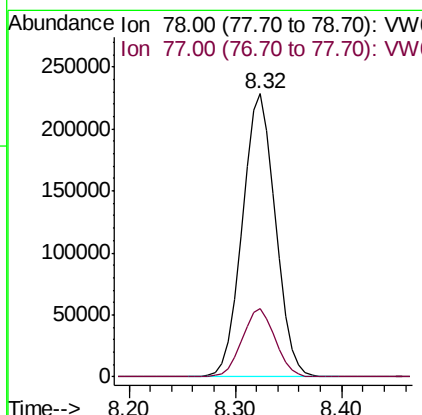
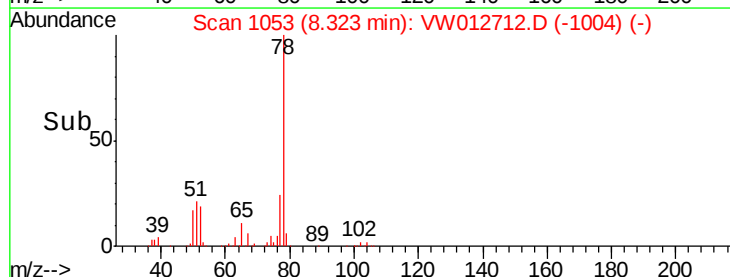
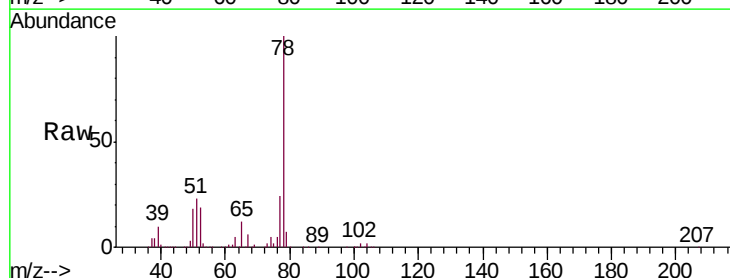
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

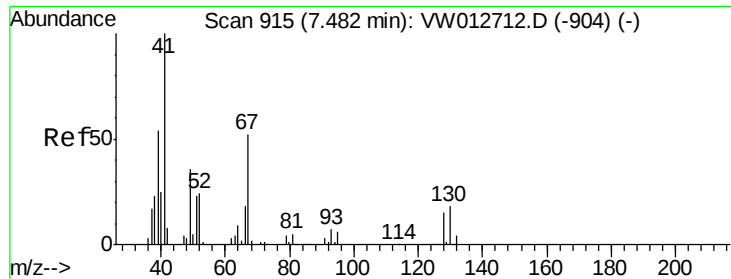
Tgt Ion: 83 Resp: 198067
Ion Ratio Lower Upper
83 100
55 88.7 71.0 106.4
98 46.1 36.9 55.3



#40
Benzene
Concen: 52.947 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW012712.D
Acq: 07 Sep 2019 11:03

Tgt Ion: 78 Resp: 498337
Ion Ratio Lower Upper
78 100
77 24.1 19.3 28.9

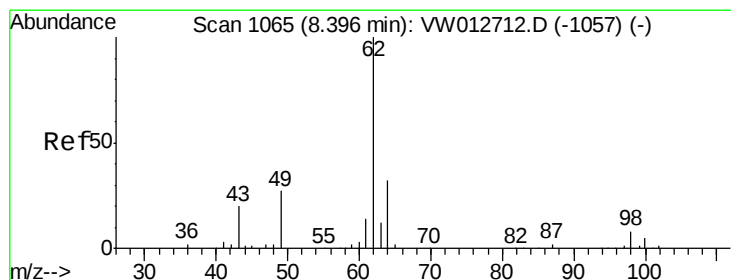
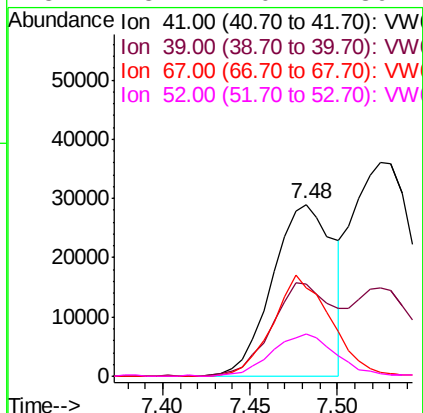
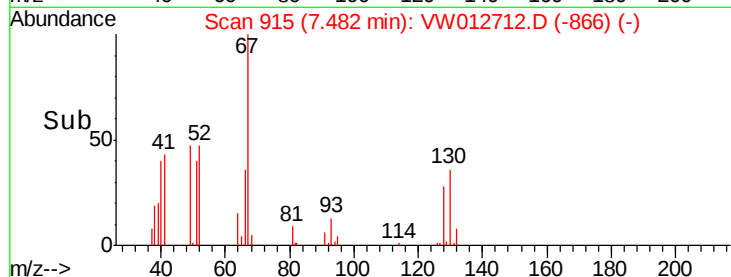
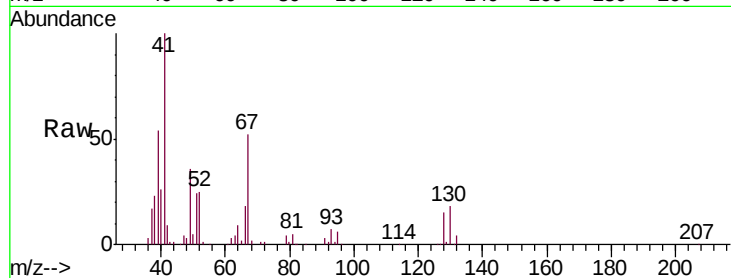




#41
Methacrylonitrile
Concen: 54.246 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW012712.D
Acq: 07 Sep 2019 11:03

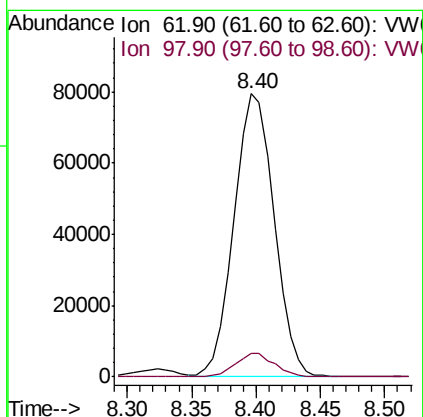
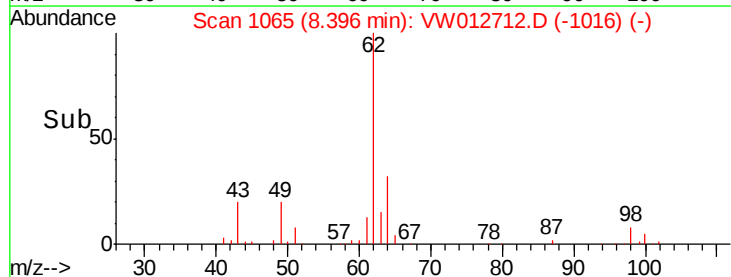
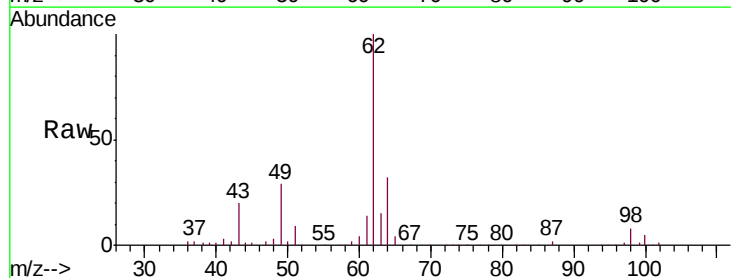
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

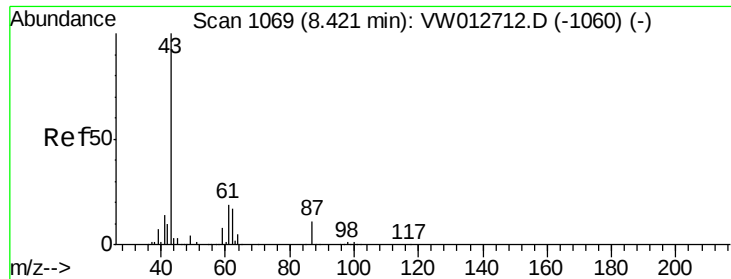
Tgt Ion:	41	Resp:	70729
Ion	Ratio	Lower	Upper
41	100		
39	59.4	47.5	71.3
67	56.4	45.1	67.7
52	25.2	20.2	30.2



#42
1,2-Dichloroethane
Concen: 51.867 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW012712.D
Acq: 07 Sep 2019 11:03

Tgt Ion:	62	Resp:	171804
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	16.2





#43

Isopropyl Acetate

Concen: 52.774 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW012712.D

Acq: 07 Sep 2019 11:03

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

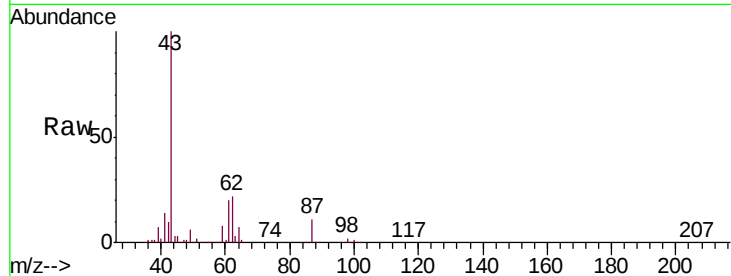
Tgt Ion: 43 Resp: 216213

Ion Ratio Lower Upper

43 100

61 25.7 20.6 30.8

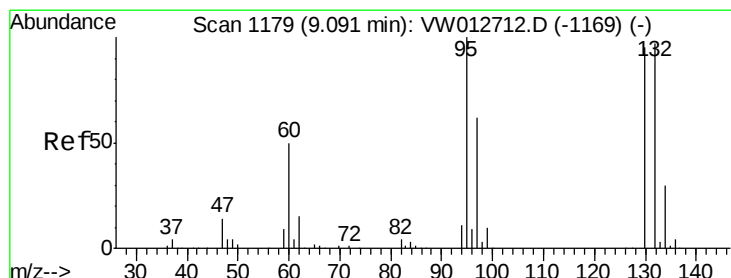
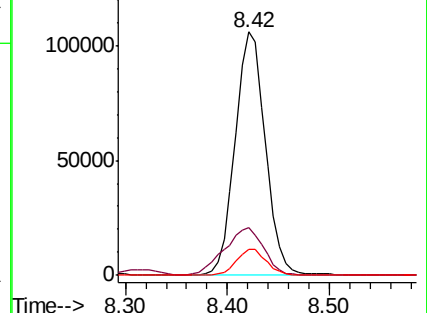
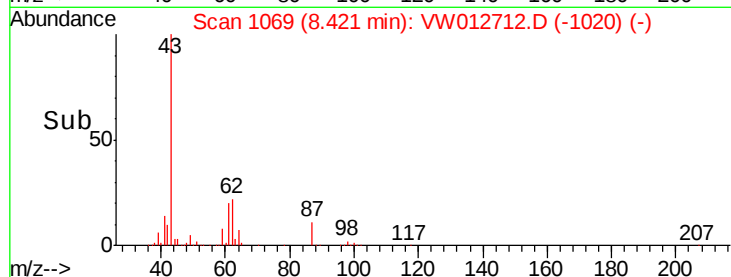
87 10.8 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 51.802 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW012712.D

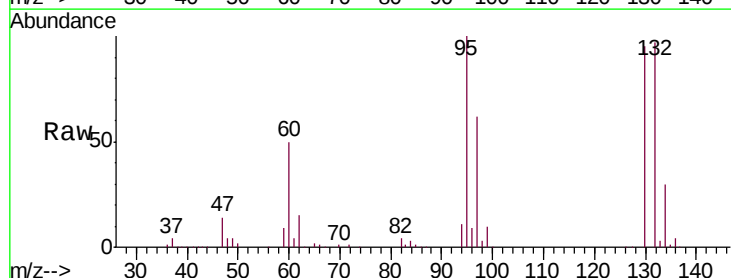
Acq: 07 Sep 2019 11:03

Tgt Ion: 130 Resp: 125678

Ion Ratio Lower Upper

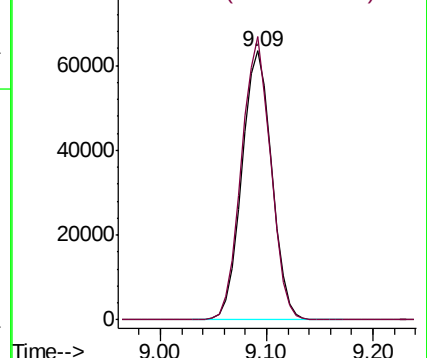
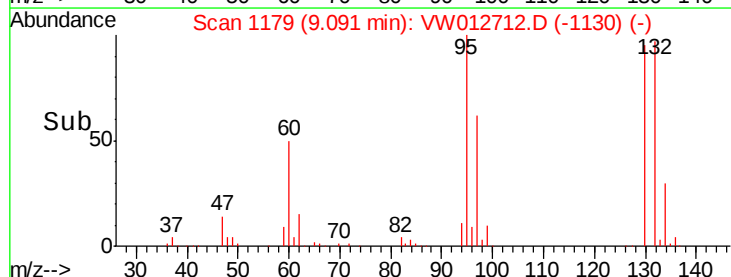
130 100

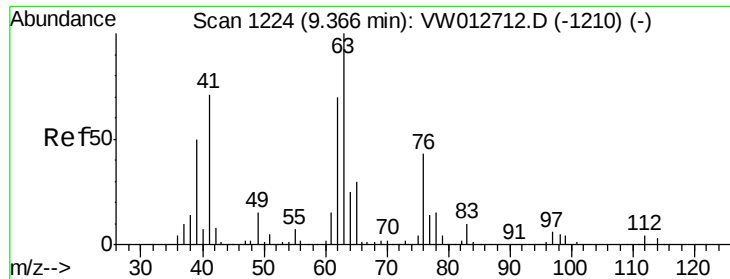
95 105.3 0.0 210.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

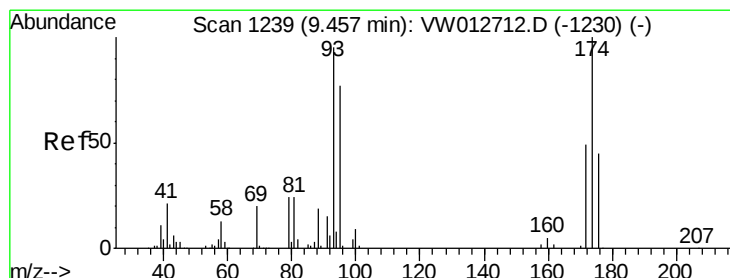
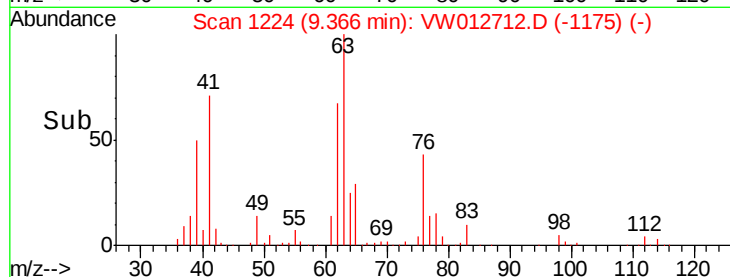
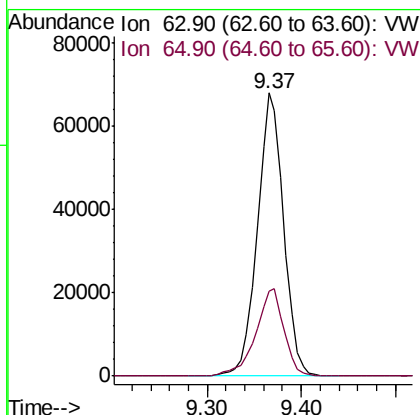
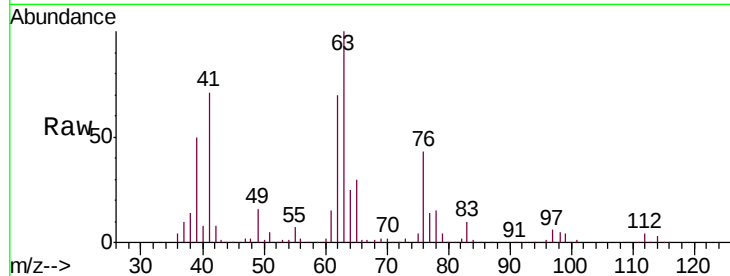




#45
 1,2-Dichloropropane
 Concen: 50.839 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW012712.D
 Acq: 07 Sep 2019 11:03

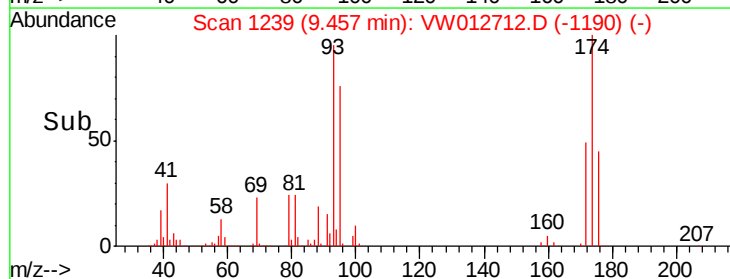
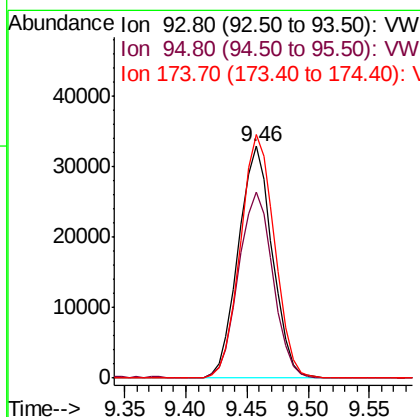
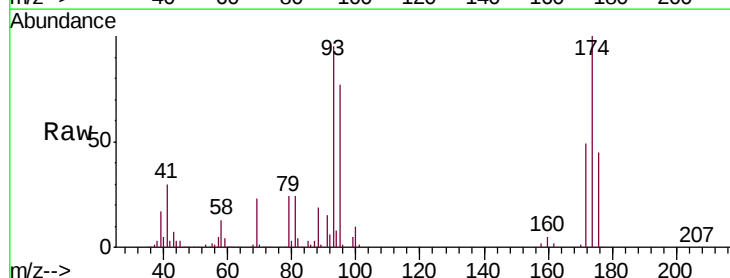
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

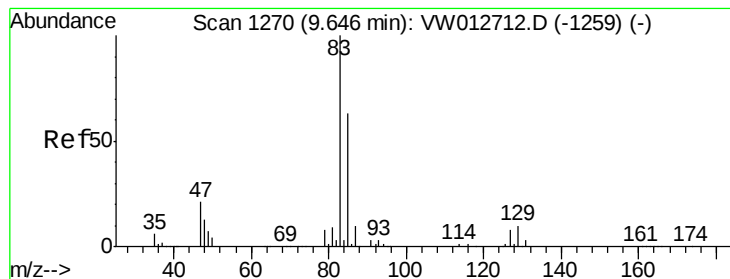
Tgt Ion: 63 Resp: 132712
 Ion Ratio Lower Upper
 63 100
 65 29.8 23.8 35.8



#46
 Dibromomethane
 Concen: 51.261 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW012712.D
 Acq: 07 Sep 2019 11:03

Tgt Ion: 93 Resp: 63366
 Ion Ratio Lower Upper
 93 100
 95 81.5 65.2 97.8
 174 105.3 84.2 126.4





#47

Bromodichloromethane

Concen: 53.392 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW012712.D

Acq: 07 Sep 2019 11:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

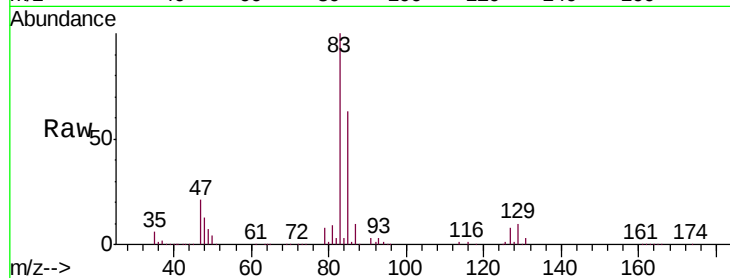
Tgt Ion: 83 Resp: 181582

Ion Ratio Lower Upper

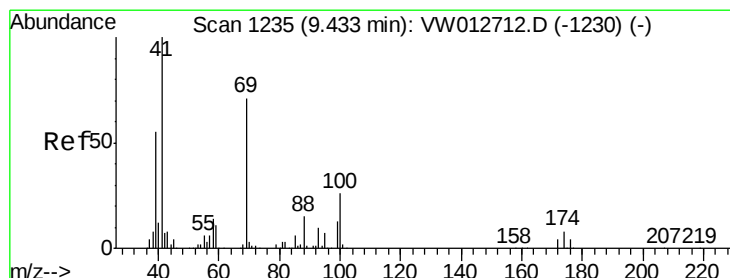
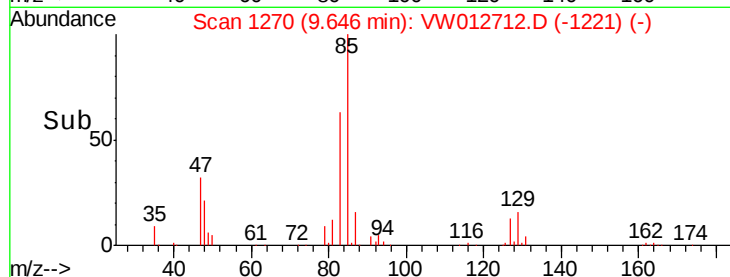
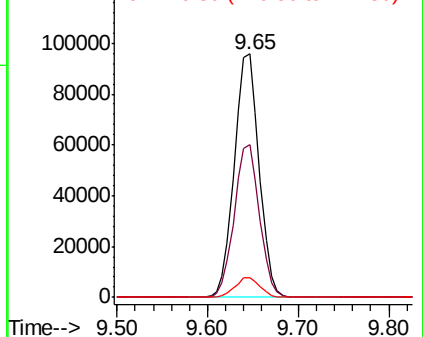
83 100

85 62.7 50.2 75.2

127 8.2 6.6 9.8



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



#48

Methyl methacrylate

Concen: 51.000 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW012712.D

Acq: 07 Sep 2019 11:03

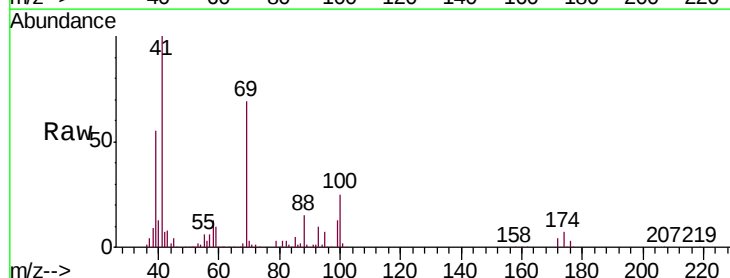
Tgt Ion: 41 Resp: 99854

Ion Ratio Lower Upper

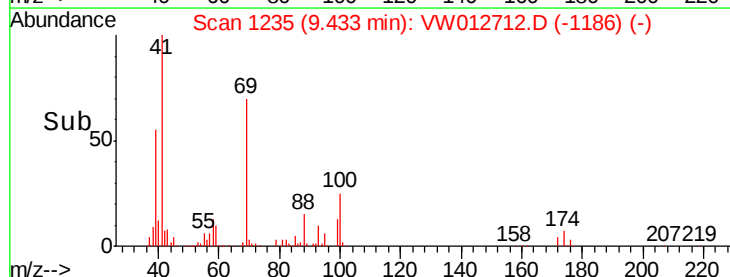
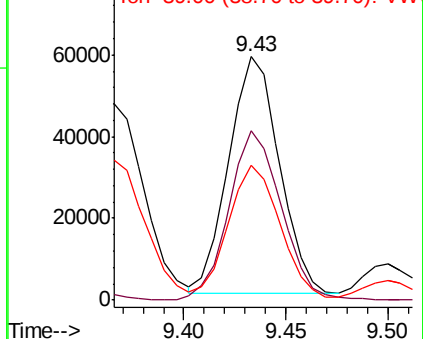
41 100

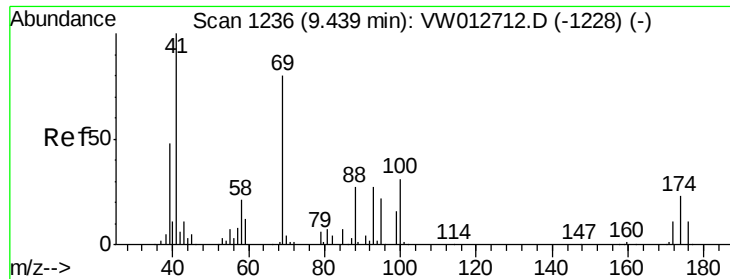
69 74.8 59.8 89.8

39 58.8 47.0 70.6



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

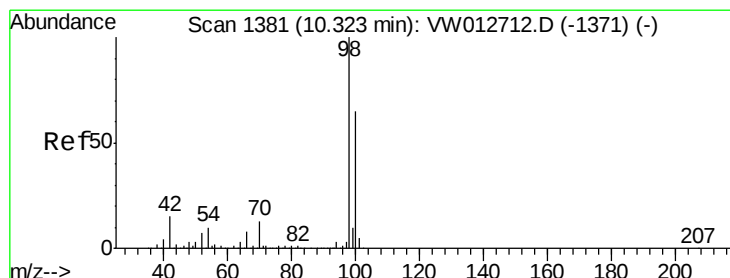
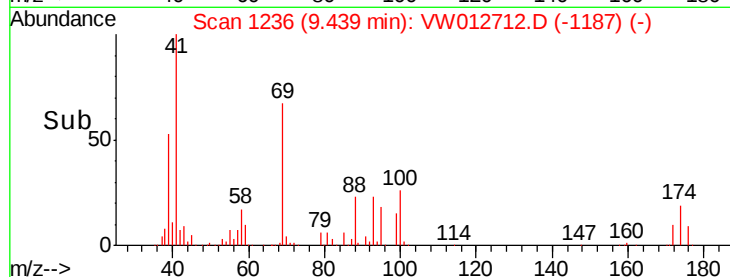
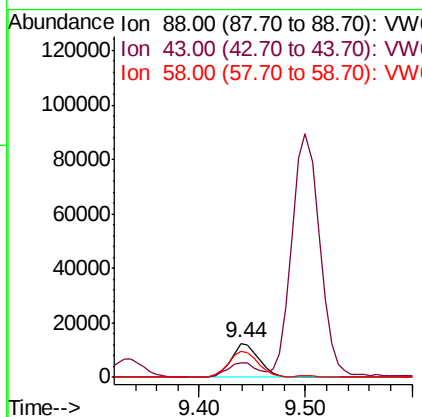
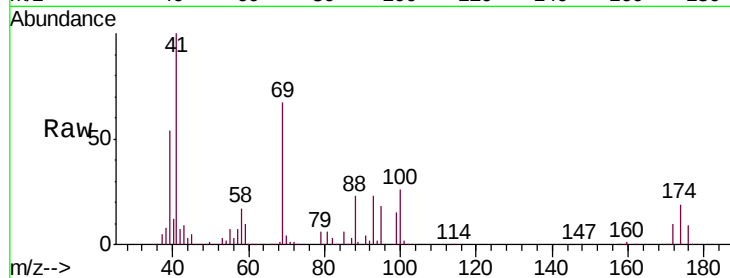




#49
1,4-Dioxane
Concen: 962.388 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW012712.D
Acq: 07 Sep 2019 11:03

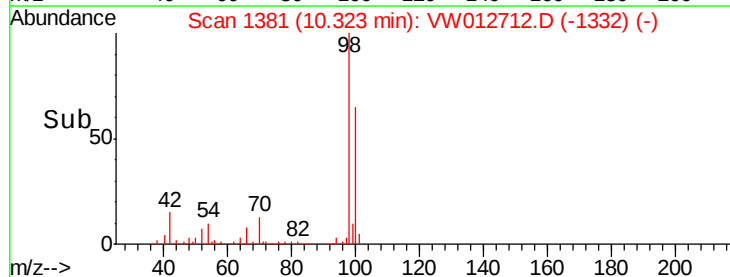
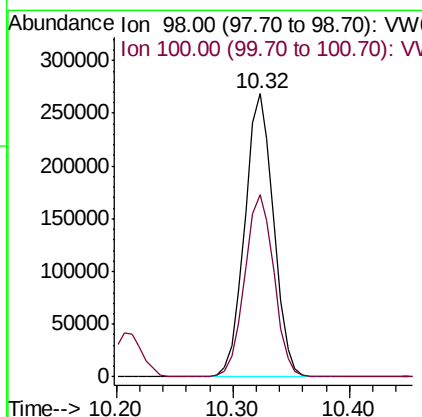
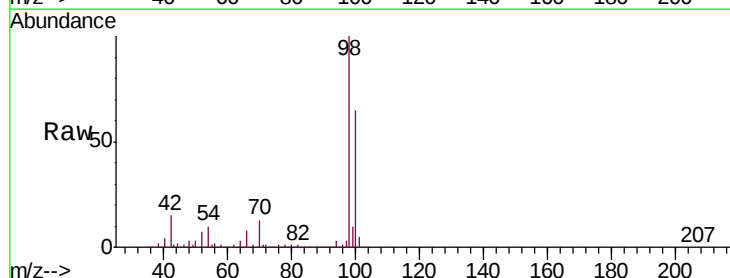
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

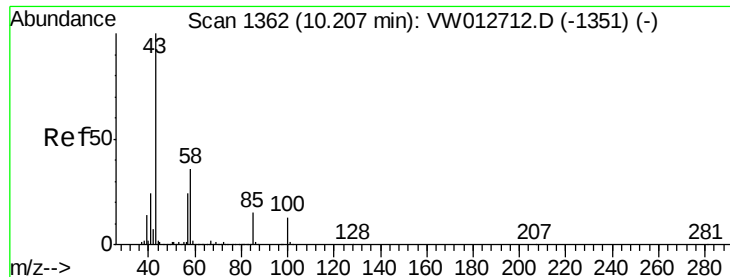
Tgt Ion: 88 Resp: 23499
Ion Ratio Lower Upper
88 100
43 43.5 34.8 52.2
58 80.1 64.1 96.1



#50
Toluene-d8
Concen: 52.147 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012712.D
Acq: 07 Sep 2019 11:03

Tgt Ion: 98 Resp: 463725
Ion Ratio Lower Upper
98 100
100 65.3 52.2 78.4

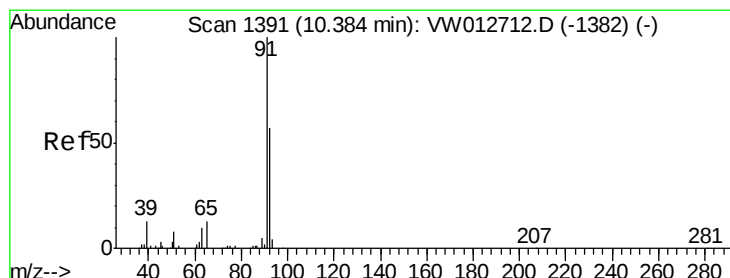
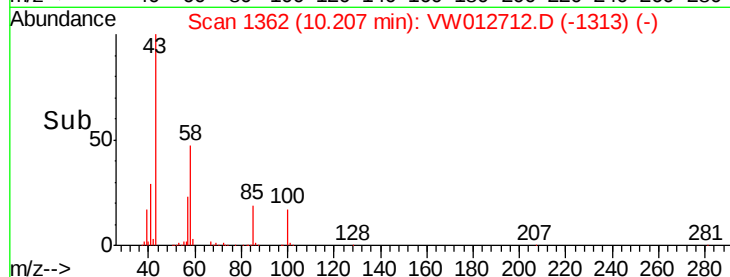
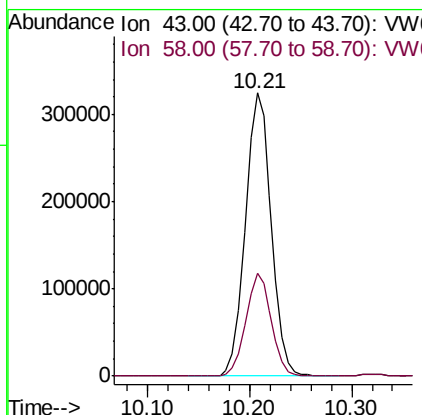
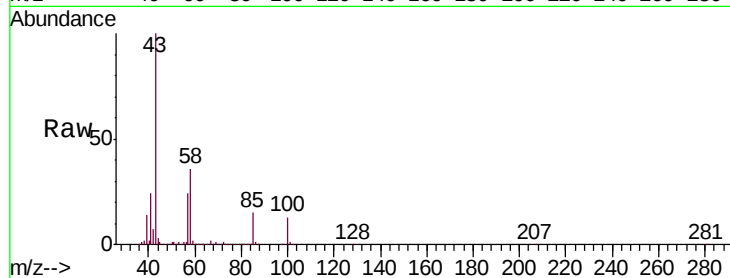




#51
 4-Methyl-2-Pentanone
 Concen: 265.128 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW012712.D
 Acq: 07 Sep 2019 11:03

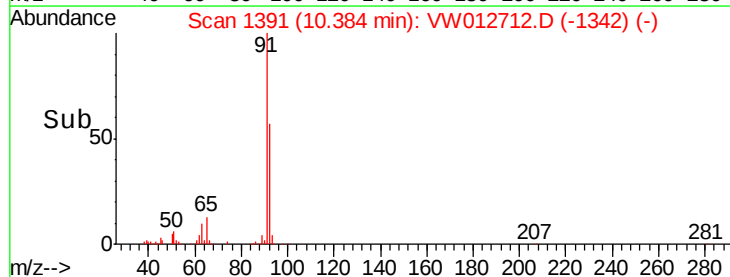
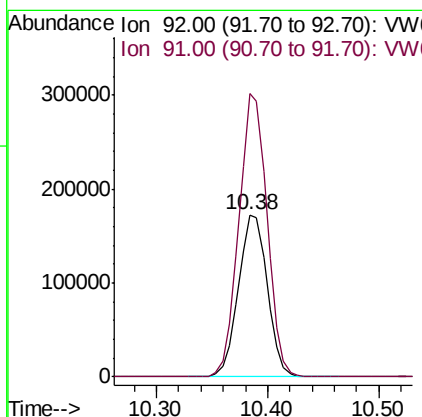
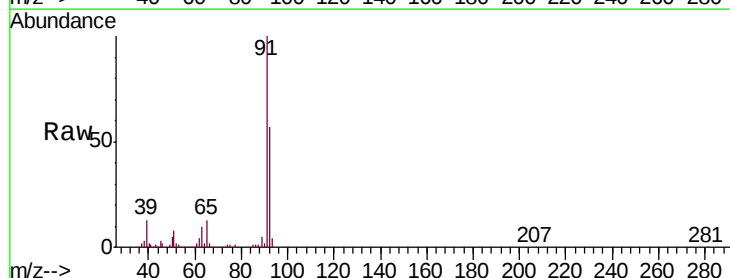
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

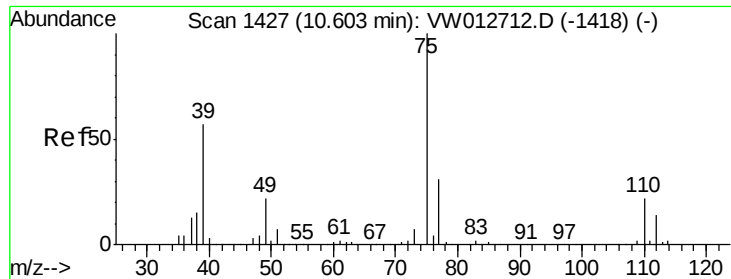
Tgt Ion: 43 Resp: 569974
 Ion Ratio Lower Upper
 43 100
 58 35.5 28.4 42.6



#52
 Toluene
 Concen: 52.759 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VW012712.D
 Acq: 07 Sep 2019 11:03

Tgt Ion: 92 Resp: 309929
 Ion Ratio Lower Upper
 92 100
 91 171.2 137.0 205.4





#53

t-1,3-Dichloropropene

Concen: 53.176 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW012712.D

Acq: 07 Sep 2019 11:03

Instrument :

MSVOA_W

ClientSampleId :

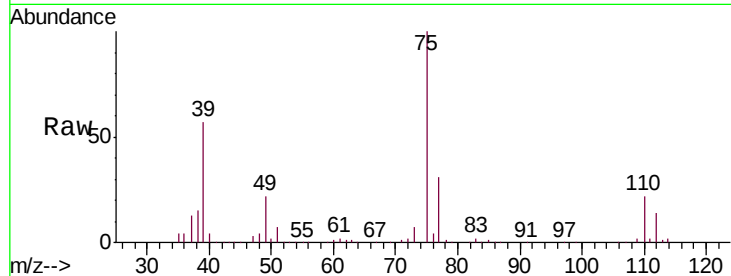
VSTDICCC050

Tgt Ion: 75 Resp: 185961

Ion Ratio Lower Upper

75 100

77 30.9 24.7 37.1



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.60

120000

100000

80000

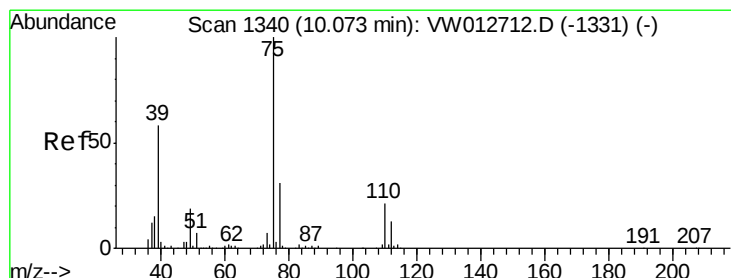
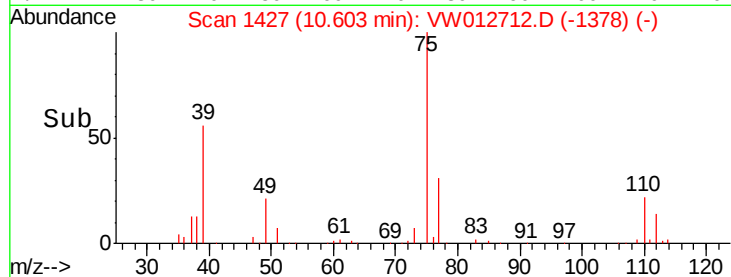
60000

40000

20000

0

Time--> 10.50 10.60 10.70



#54

cis-1,3-Dichloropropene

Concen: 53.821 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW012712.D

Acq: 07 Sep 2019 11:03

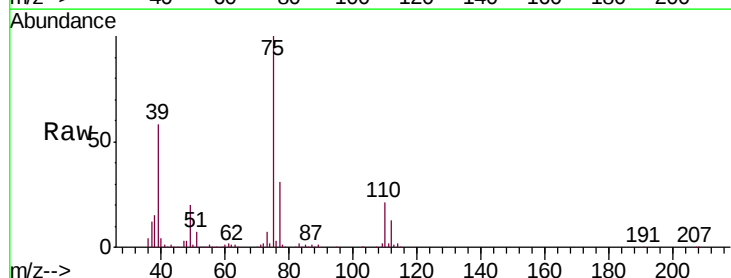
Tgt Ion: 75 Resp: 213514

Ion Ratio Lower Upper

75 100

77 30.7 24.6 36.8

39 57.9 46.3 69.5



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

10.07

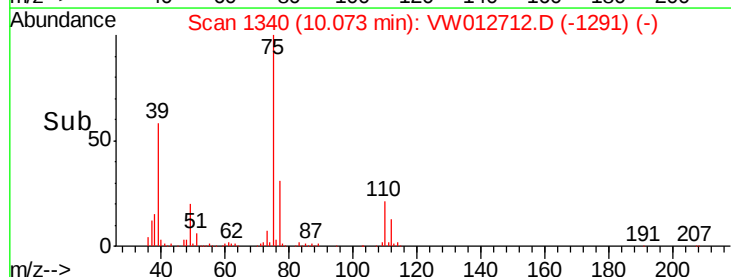
150000

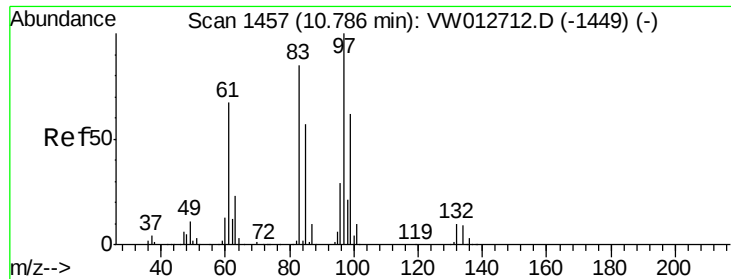
100000

50000

0

Time--> 10.00 10.10

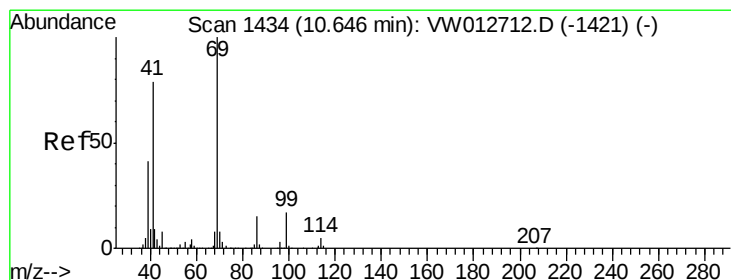
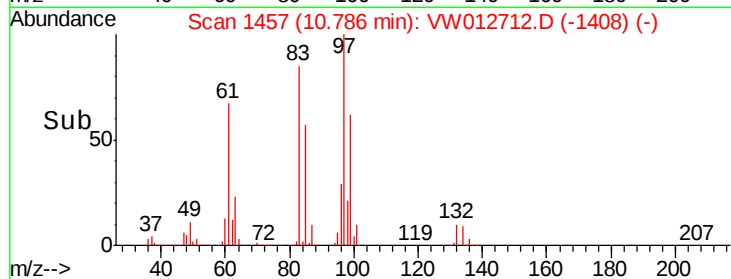
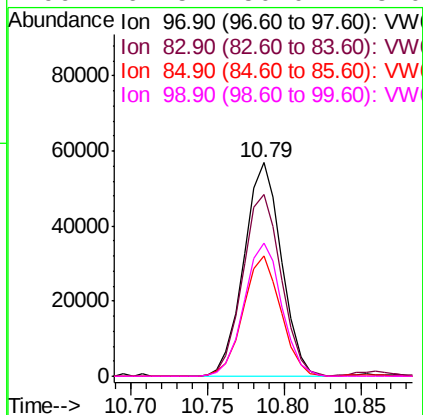
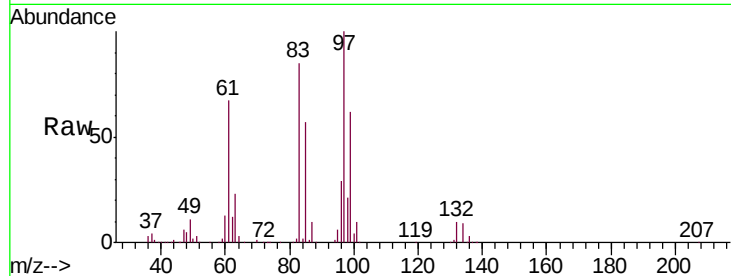




#55
 1,1,2-Trichloroethane
 Concen: 52.509 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW012712.D
 Acq: 07 Sep 2019 11:03

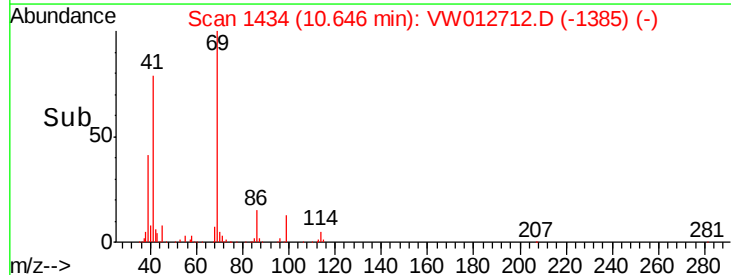
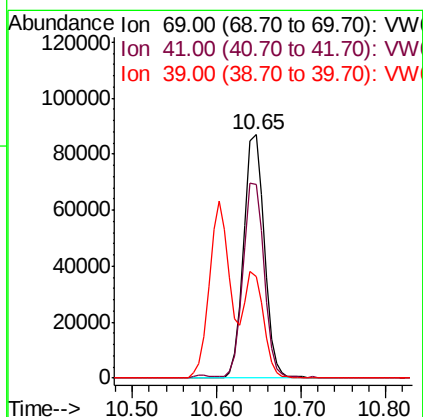
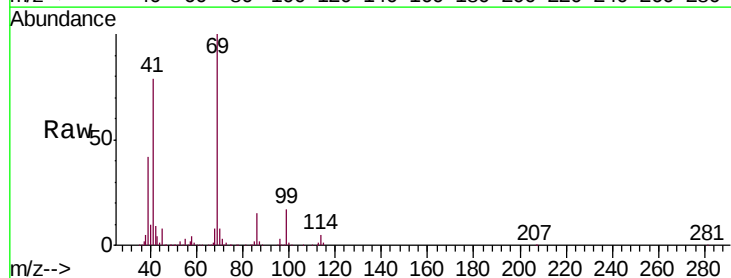
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

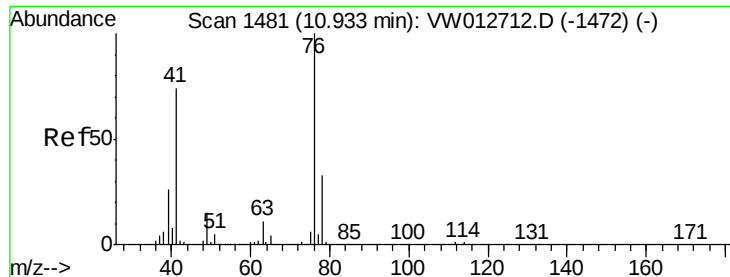
Tgt Ion:	97	Resp:	97175
Ion	Ratio	Lower	Upper
97	100		
83	85.1	68.1	102.1
85	56.6	45.3	67.9
99	62.5	50.0	75.0



#56
 Ethyl methacrylate
 Concen: 52.586 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW012712.D
 Acq: 07 Sep 2019 11:03

Tgt Ion:	69	Resp:	142456
Ion	Ratio	Lower	Upper
69	100		
41	80.5	64.4	96.6
39	38.9	31.1	46.7

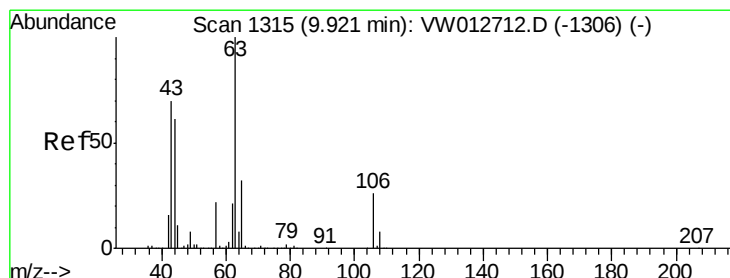
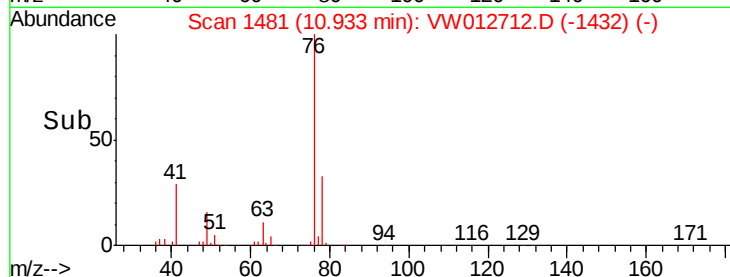
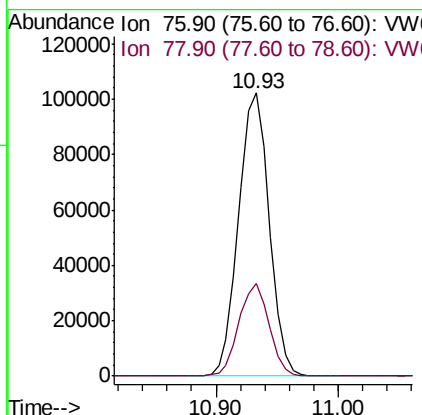
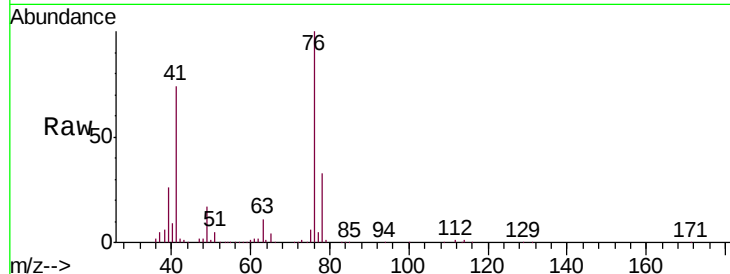




#57
 1,3-Dichloropropane
 Concen: 51.909 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW012712.D
 Acq: 07 Sep 2019 11:03

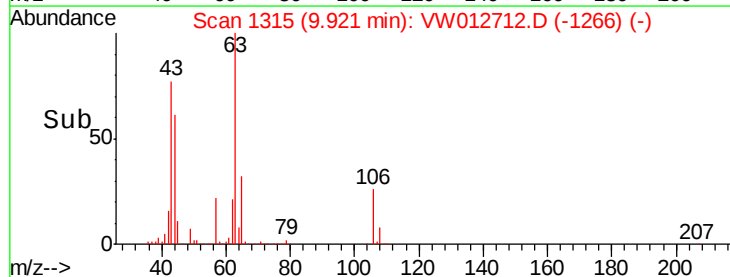
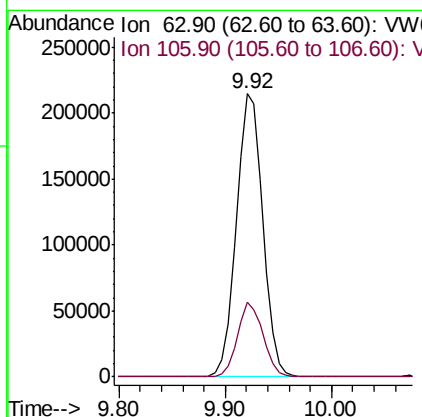
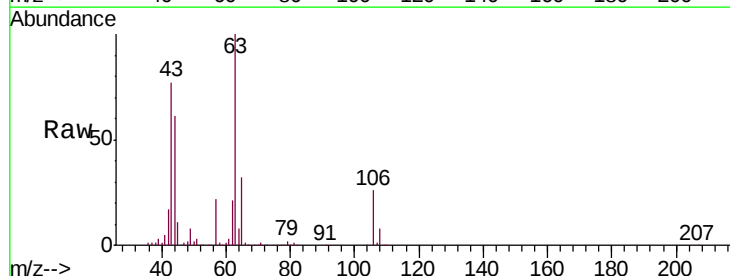
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

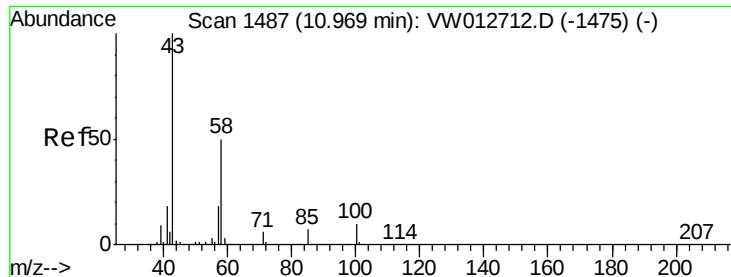
Tgt Ion: 76 Resp: 177719
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 259.941 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW012712.D
 Acq: 07 Sep 2019 11:03

Tgt Ion: 63 Resp: 373834
 Ion Ratio Lower Upper
 63 100
 106 25.6 20.5 30.7

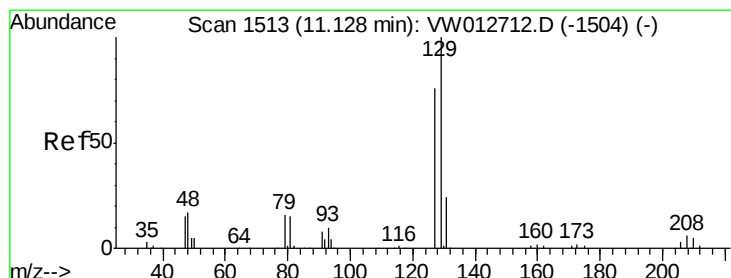
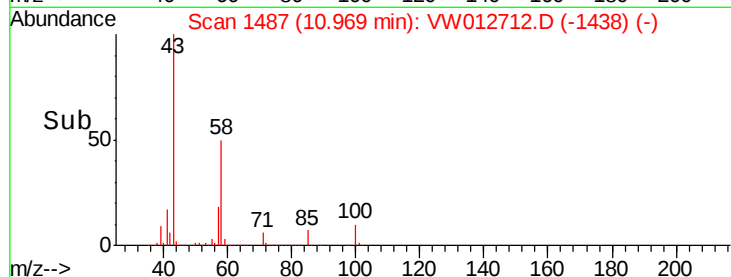
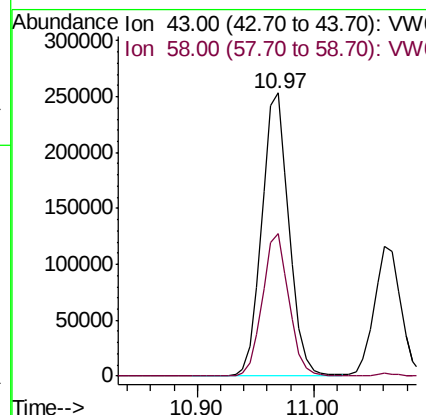
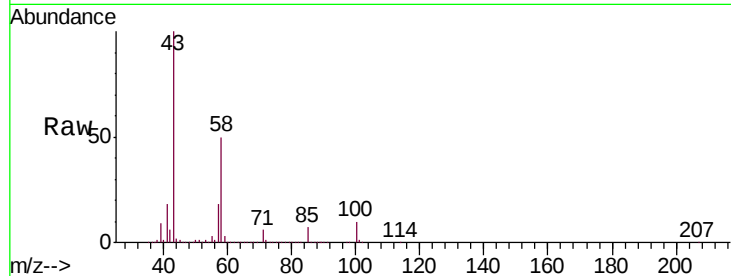




#59
2-Hexanone
Concen: 262.438 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW012712.D
Acq: 07 Sep 2019 11:03

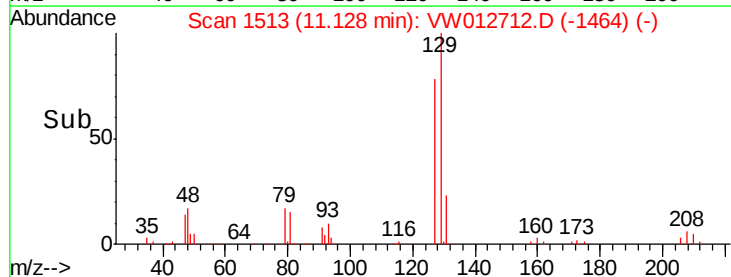
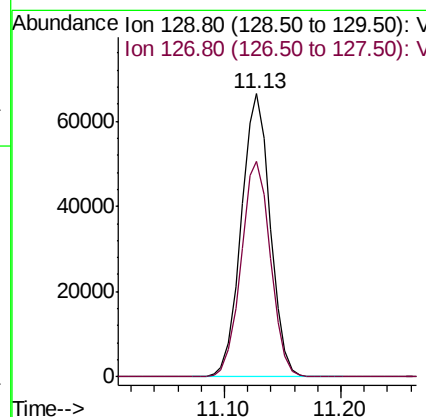
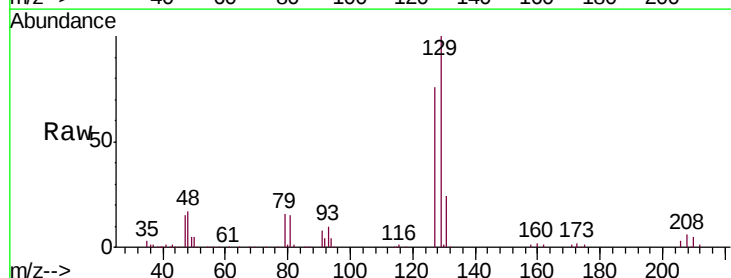
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

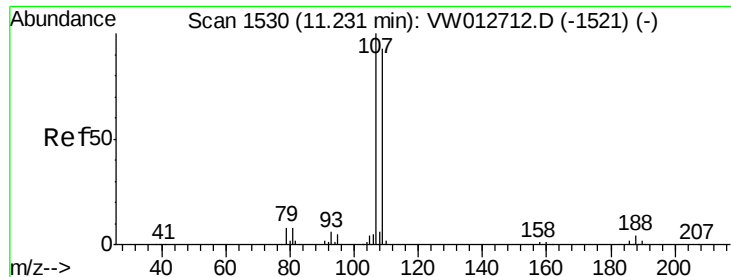
Tgt Ion: 43 Resp: 412189
Ion Ratio Lower Upper
43 100
58 49.4 24.7 74.1



#60
Dibromochloromethane
Concen: 52.776 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW012712.D
Acq: 07 Sep 2019 11:03

Tgt Ion: 129 Resp: 114868
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.8

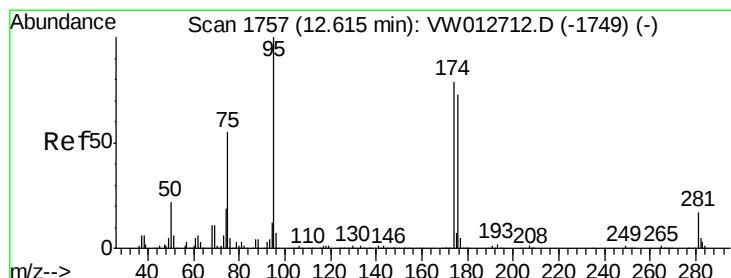
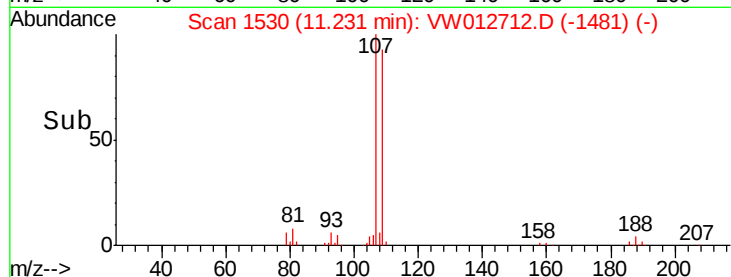
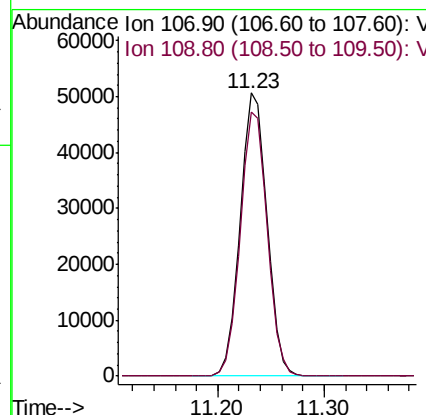
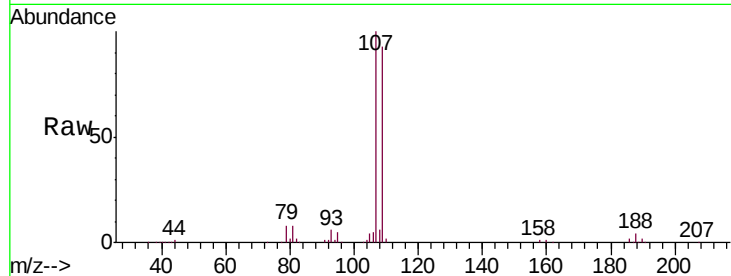




#61
 1,2-Dibromoethane
 Concen: 52.933 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW012712.D
 Acq: 07 Sep 2019 11:03

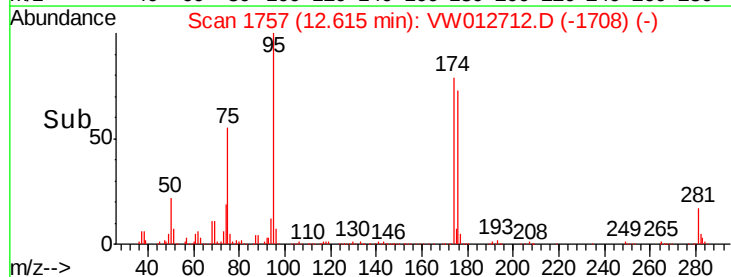
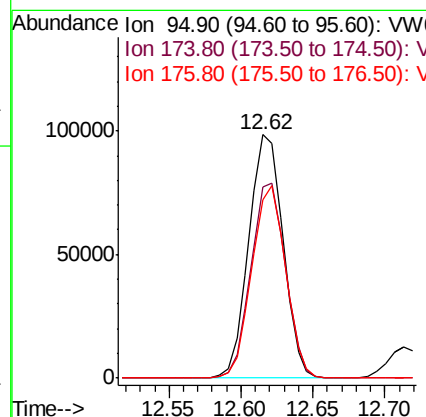
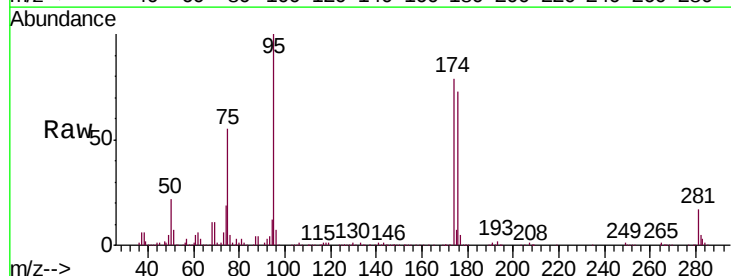
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

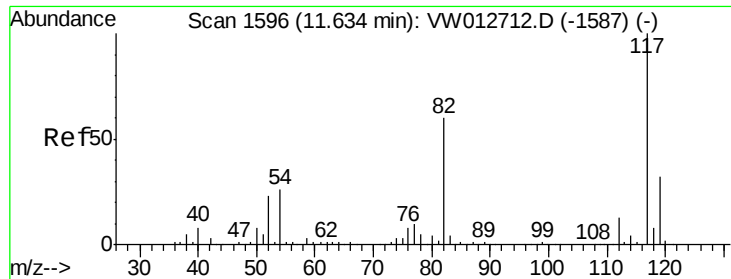
Tgt Ion: 107 Resp: 89811
 Ion Ratio Lower Upper
 107 100
 109 93.8 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 50.189 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW012712.D
 Acq: 07 Sep 2019 11:03

Tgt Ion: 95 Resp: 162027
 Ion Ratio Lower Upper
 95 100
 174 80.5 0.0 161.0
 176 78.2 0.0 156.4

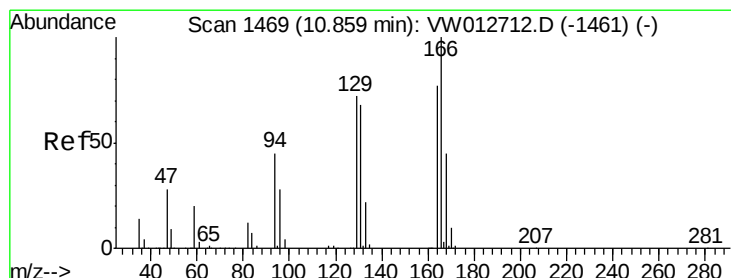
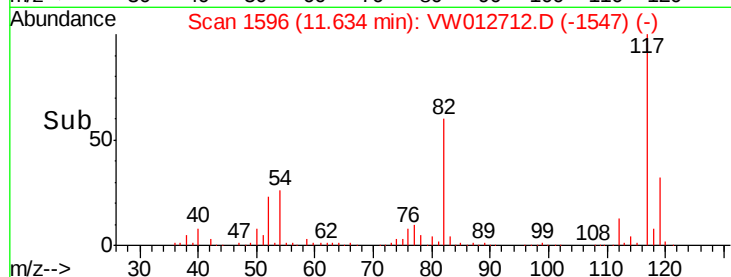
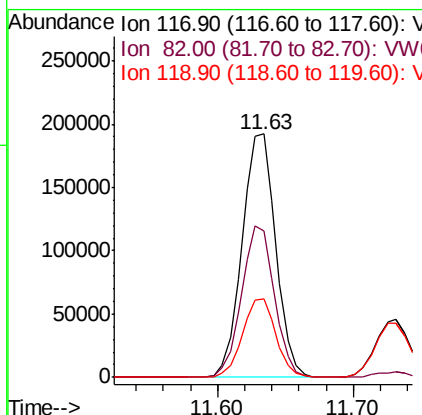
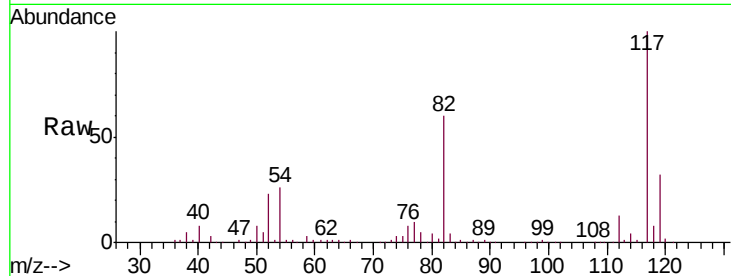




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW012712.D
Acq: 07 Sep 2019 11:03

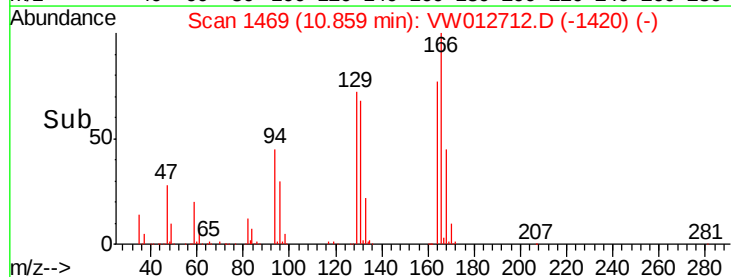
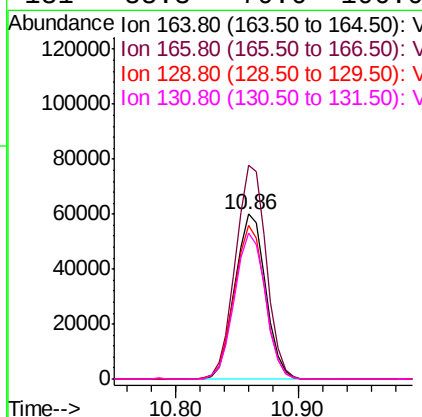
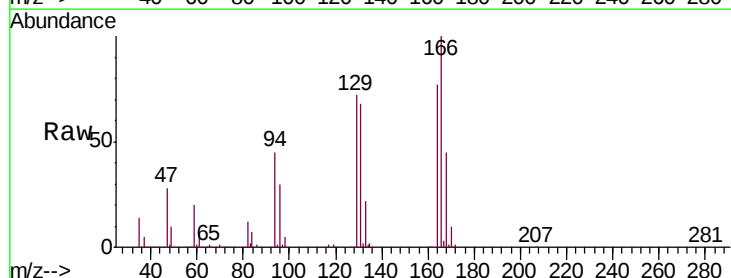
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

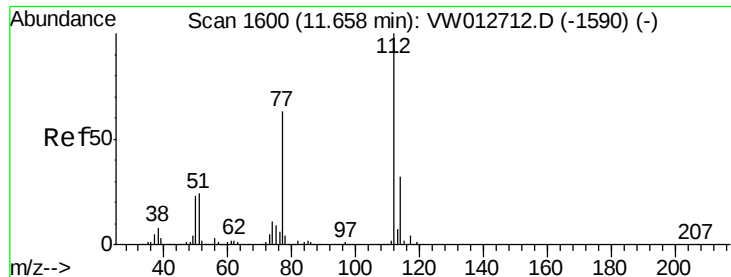
Tgt Ion:117 Resp: 331894
Ion Ratio Lower Upper
117 100
82 60.3 48.2 72.4
119 32.2 25.8 38.6



#64
Tetrachloroethene
Concen: 51.642 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW012712.D
Acq: 07 Sep 2019 11:03

Tgt Ion:164 Resp: 104000
Ion Ratio Lower Upper
164 100
166 129.5 103.6 155.4
129 93.3 74.6 112.0
131 88.3 70.6 106.0





#65

Chlorobenzene

Concen: 51.973 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW012712.D

Acq: 07 Sep 2019 11:03

Instrument :

MSVOA_W

ClientSampleId :

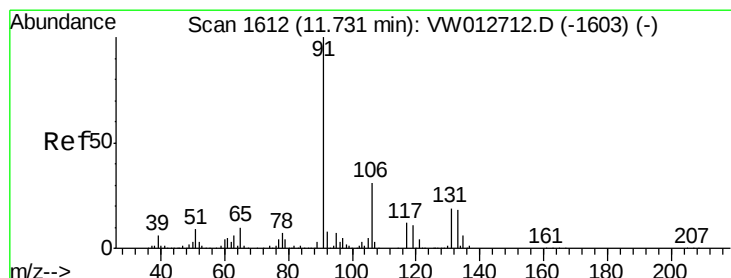
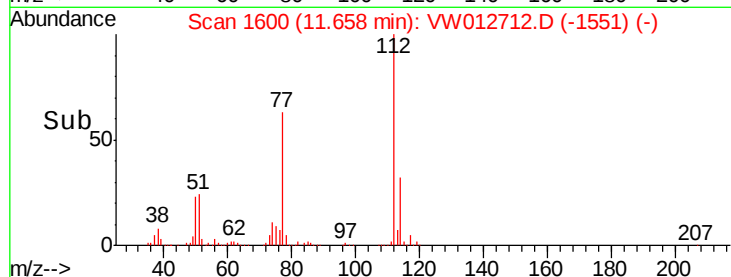
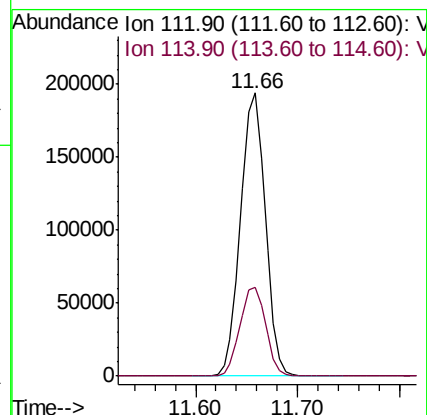
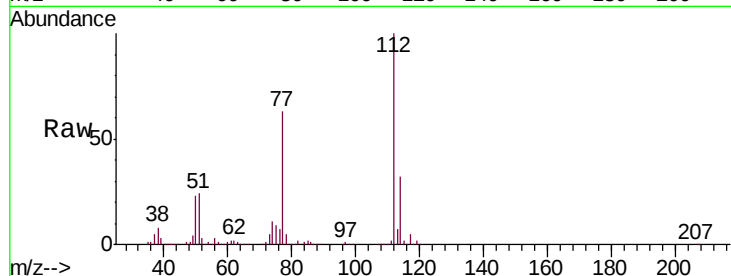
VSTDICCC050

Tgt Ion:112 Resp: 326025

Ion Ratio Lower Upper

112 100

114 31.6 25.3 37.9



#66

1,1,1,2-Tetrachloroethane

Concen: 53.437 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW012712.D

Acq: 07 Sep 2019 11:03

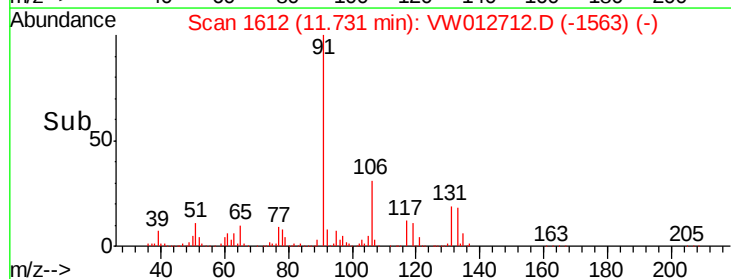
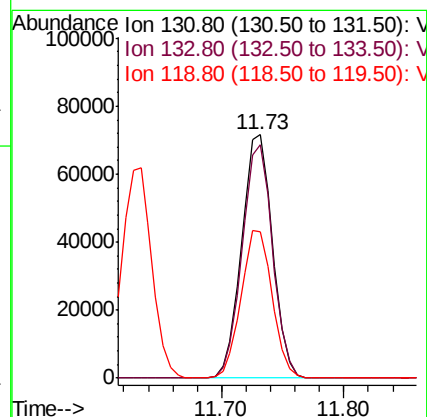
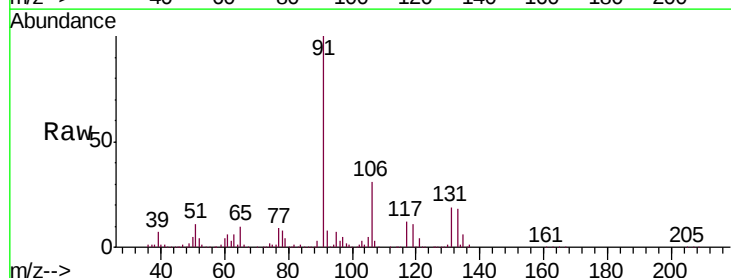
Tgt Ion:131 Resp: 124831

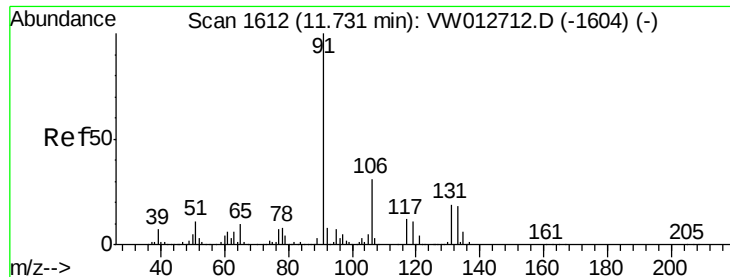
Ion Ratio Lower Upper

131 100

133 95.2 47.6 142.8

119 61.3 30.6 92.0





#67

Ethyl Benzene

Concen: 53.197 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW012712.D

Acq: 07 Sep 2019 11:03

Instrument :

MSVOA_W

ClientSampleId :

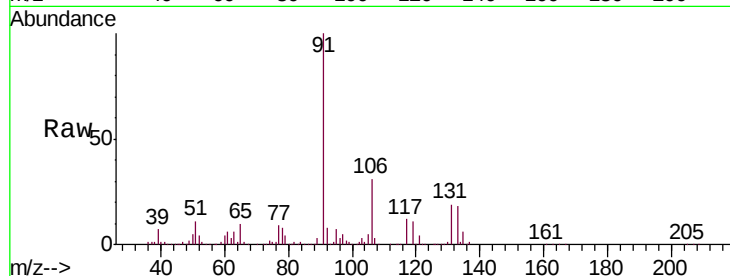
VSTDICCC050

Tgt Ion: 91 Resp: 626094

Ion Ratio Lower Upper

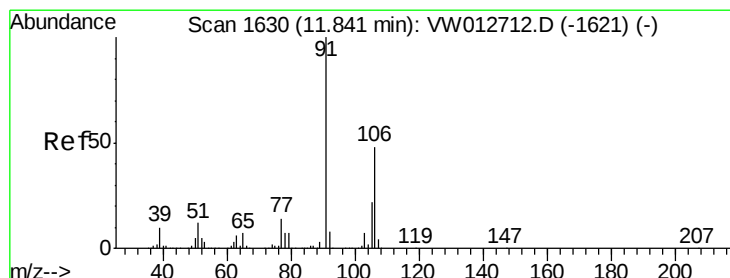
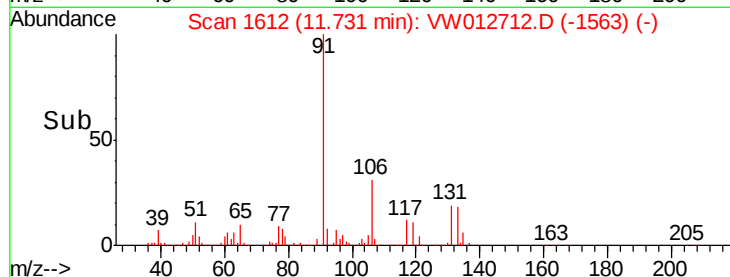
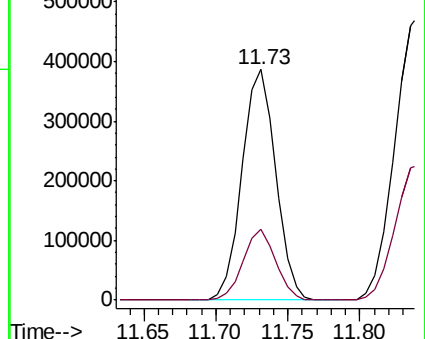
91 100

106 30.5 24.4 36.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 102.082 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW012712.D

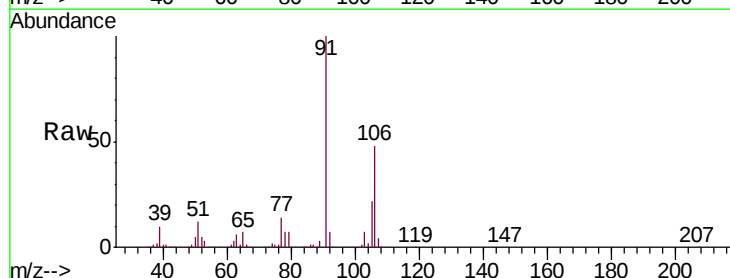
Acq: 07 Sep 2019 11:03

Tgt Ion: 106 Resp: 433670

Ion Ratio Lower Upper

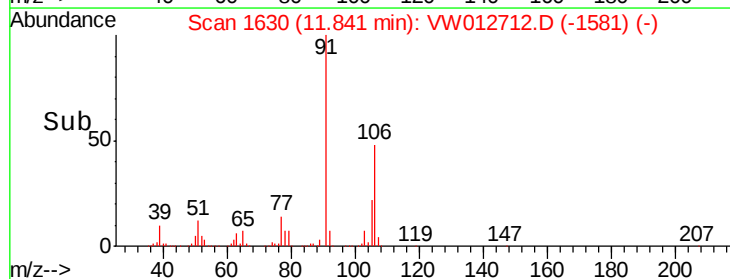
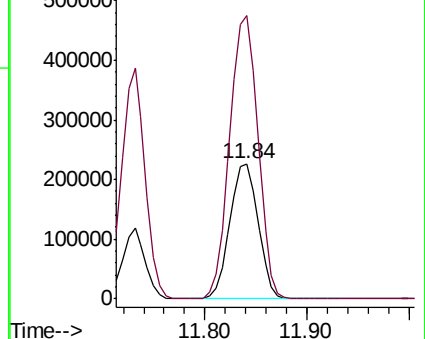
106 100

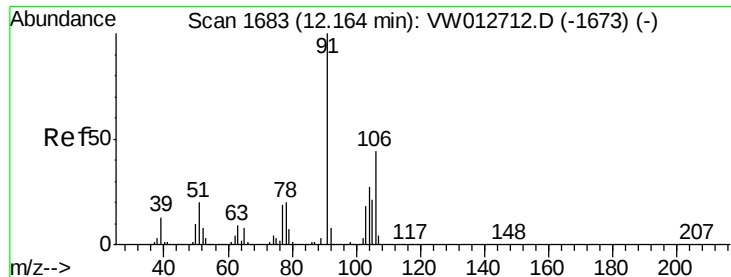
91 210.3 168.2 252.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

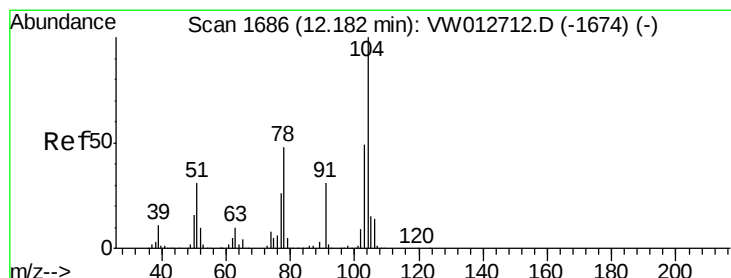
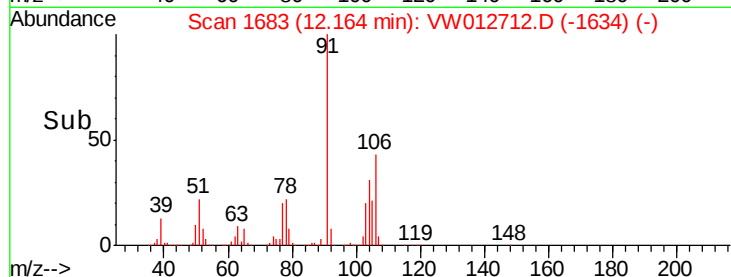
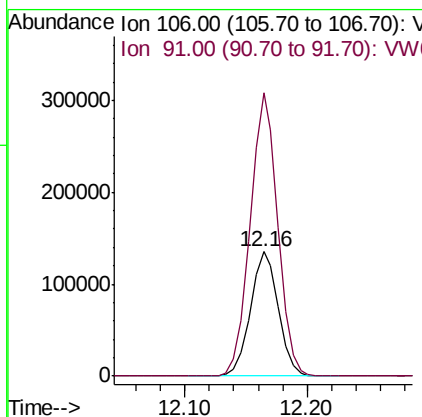
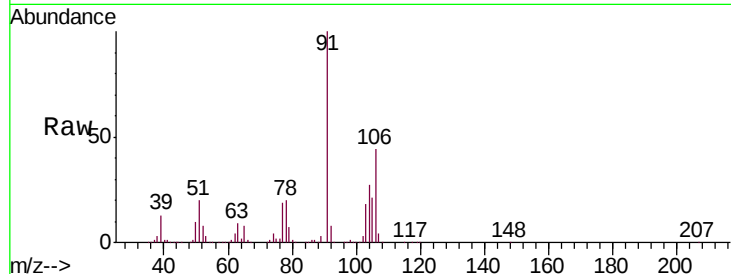




#69
o-Xylene
Concen: 53.614 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW012712.D
Acq: 07 Sep 2019 11:03

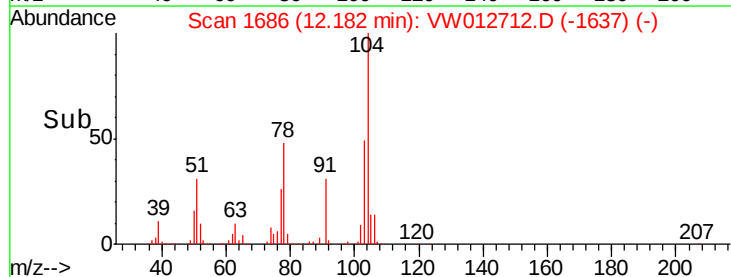
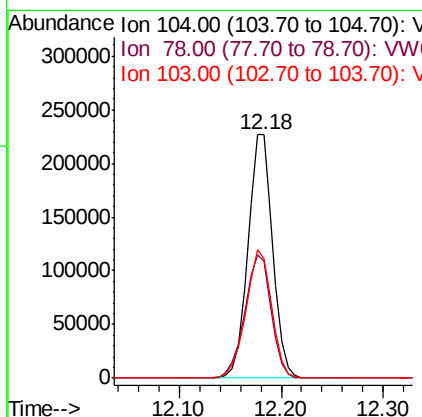
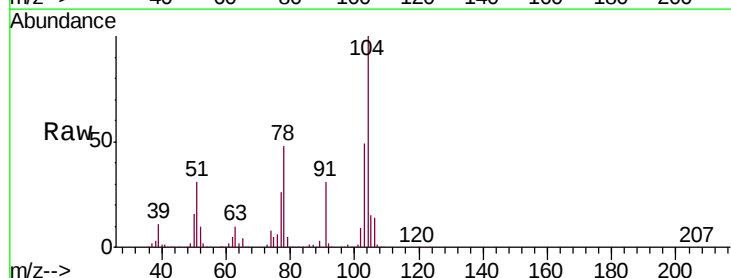
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

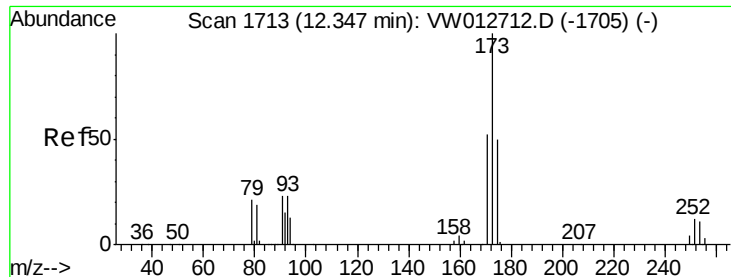
Tgt Ion:106 Resp: 214880
Ion Ratio Lower Upper
106 100
91 224.5 112.3 336.8



#70
Styrene
Concen: 54.001 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW012712.D
Acq: 07 Sep 2019 11:03

Tgt Ion:104 Resp: 382452
Ion Ratio Lower Upper
104 100
78 54.1 43.3 64.9
103 55.0 44.0 66.0





#71

Bromoform

Concen: 53.164 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW012712.D

Acq: 07 Sep 2019 11:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

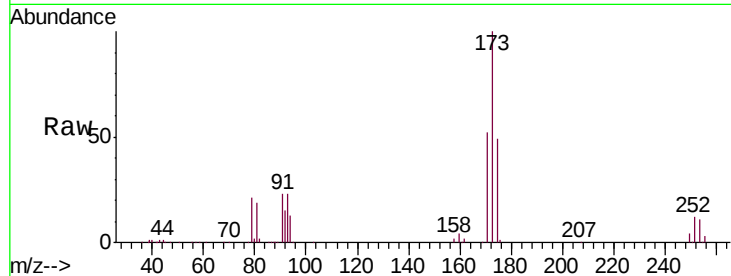
Tgt Ion:173 Resp: 69001

Ion Ratio Lower Upper

173 100

175 49.5 24.8 74.3

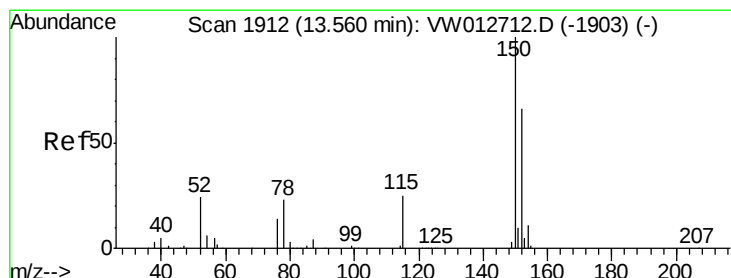
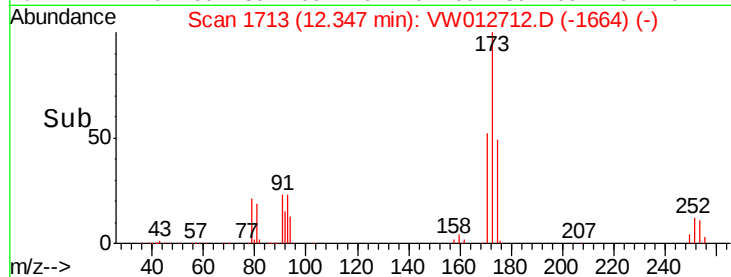
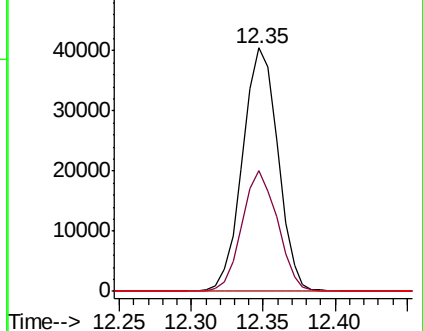
254 0.1 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW012712.D

Acq: 07 Sep 2019 11:03

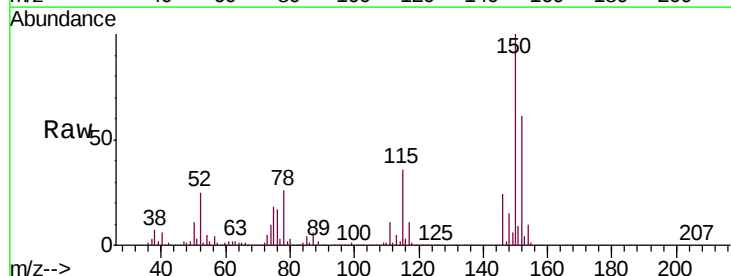
Tgt Ion:152 Resp: 166082

Ion Ratio Lower Upper

152 100

115 60.1 30.0 90.1

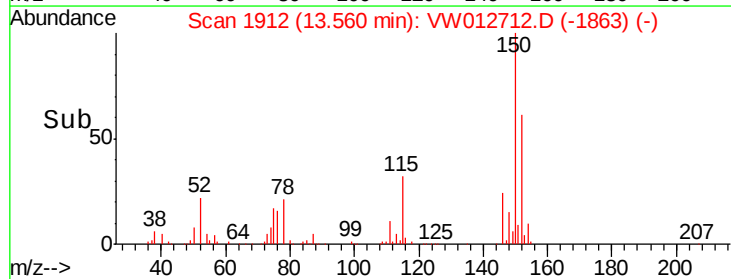
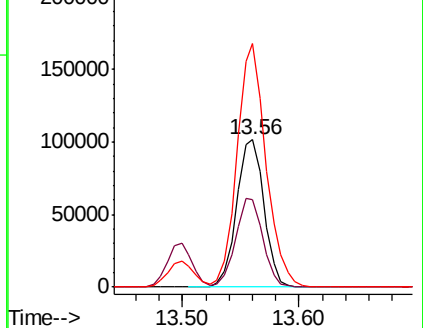
150 174.5 0.0 349.0

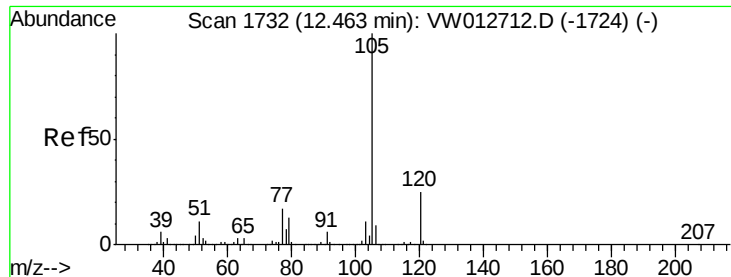


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.799 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW012712.D

Acq: 07 Sep 2019 11:03

Instrument :

MSVOA_W

ClientSampleId :

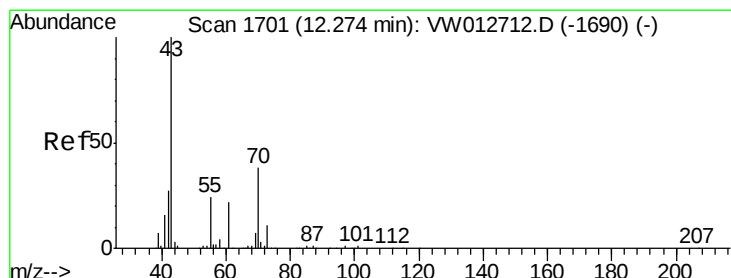
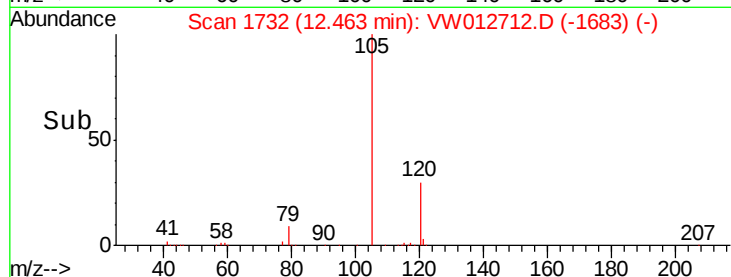
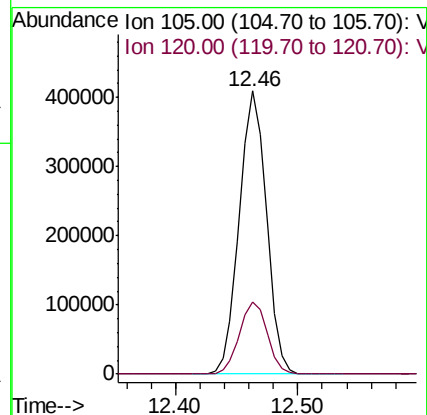
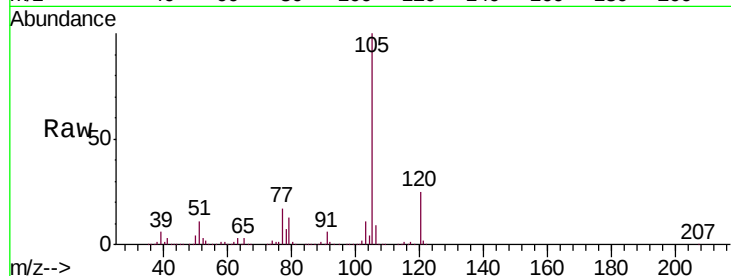
VSTDICCC050

Tgt Ion: 105 Resp: 628935

Ion Ratio Lower Upper

105 100

120 25.9 13.0 38.9



#74

N-ethyl acetate

Concen: 53.052 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW012712.D

Acq: 07 Sep 2019 11:03

Tgt Ion: 43 Resp: 200589

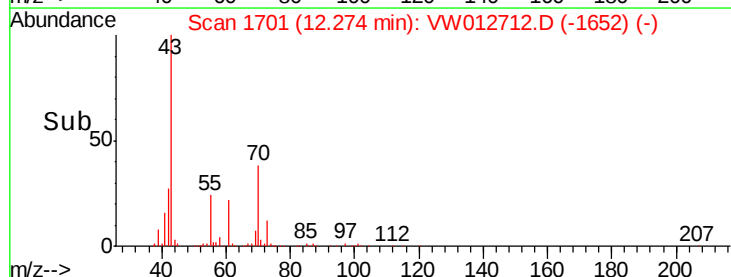
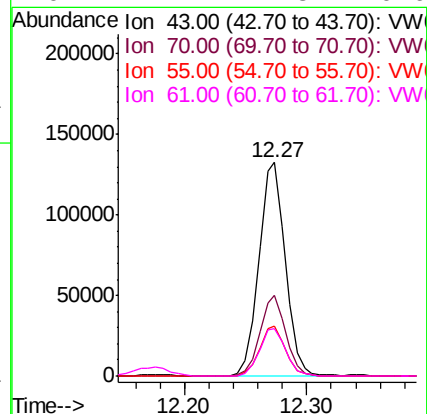
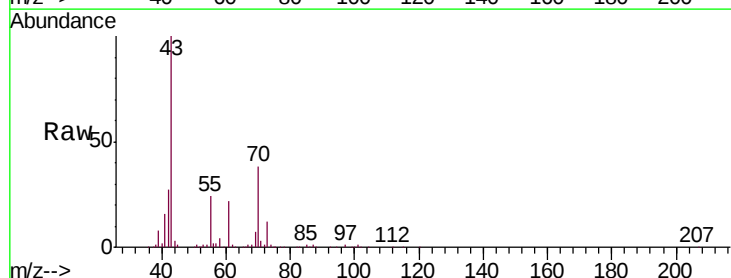
Ion Ratio Lower Upper

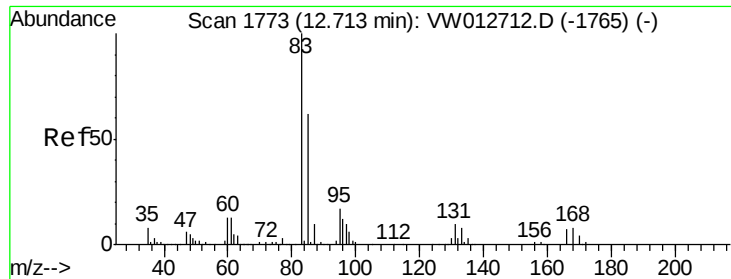
43 100

70 36.7 29.4 44.0

55 23.2 18.6 27.8

61 22.2 17.8 26.6

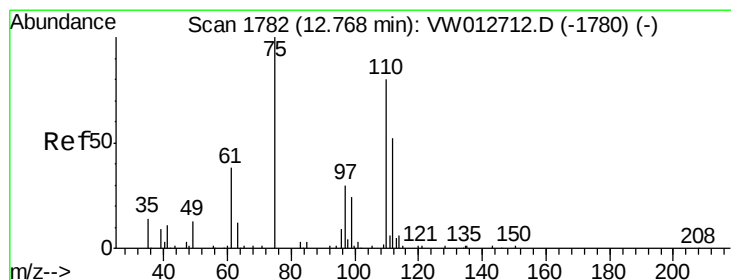
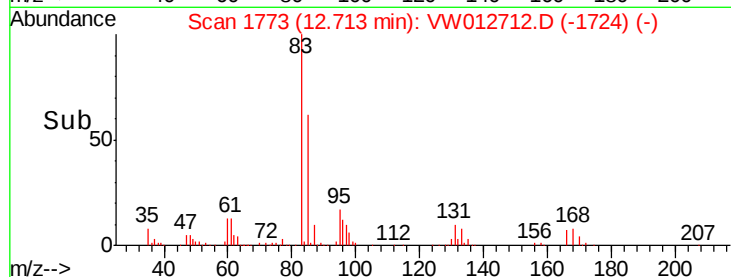
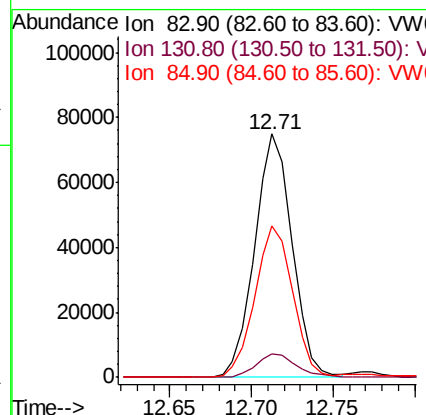
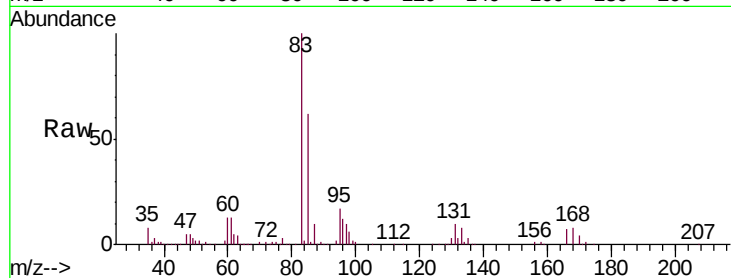




#75
 1,1,2,2-Tetrachloroethane
 Concen: 50.172 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. 0.00 min
 Lab File: VW012712.D
 Acq: 07 Sep 2019 11:03

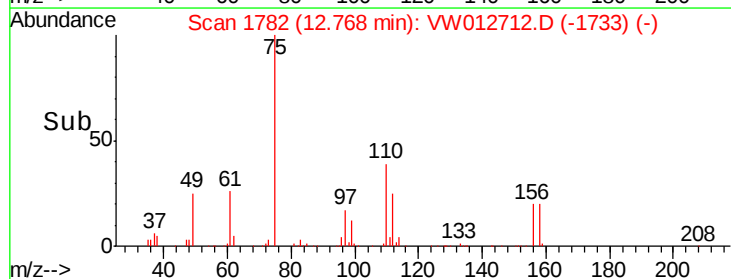
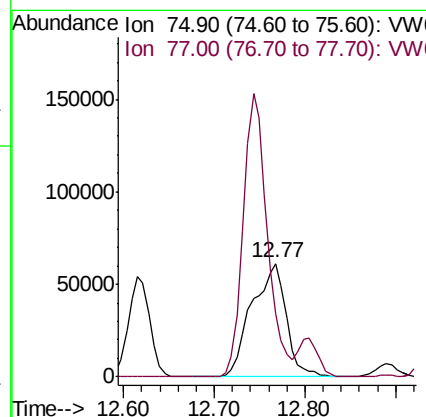
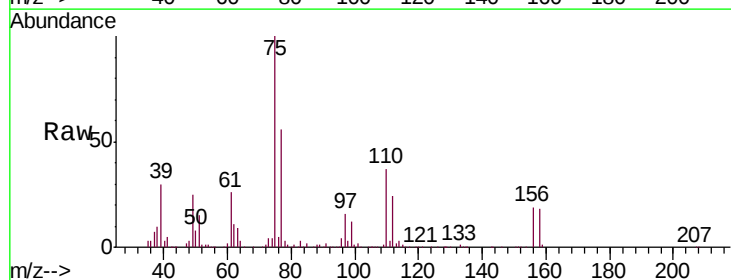
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

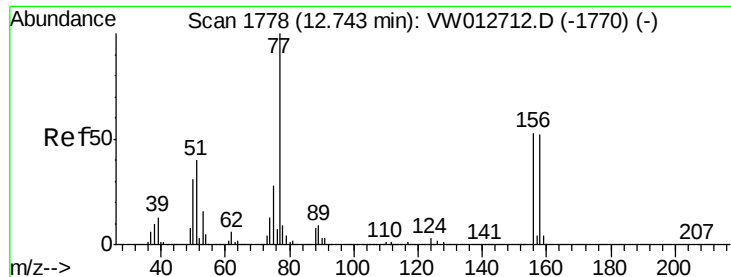
Tgt Ion: 83 Resp: 120024
 Ion Ratio Lower Upper
 83 100
 131 10.3 5.1 15.4
 85 62.8 31.4 94.2



#76
 1,2,3-Trichloropropane
 Concen: 99.214 ug/l
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW012712.D
 Acq: 07 Sep 2019 11:03

Tgt Ion: 75 Resp: 161703
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 51.381 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW012712.D

Acq: 07 Sep 2019 11:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

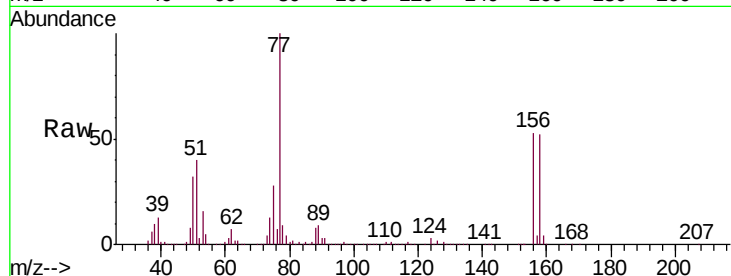
Tgt Ion:156 Resp: 138665

Ion Ratio Lower Upper

156 100

77 204.6 102.3 306.9

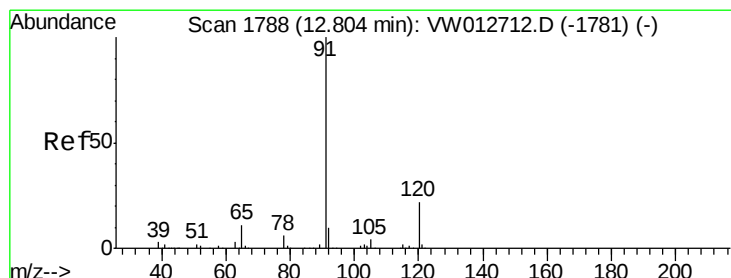
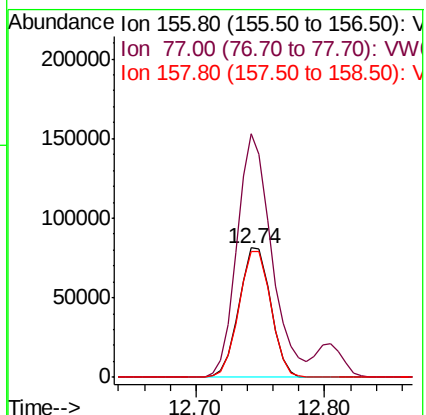
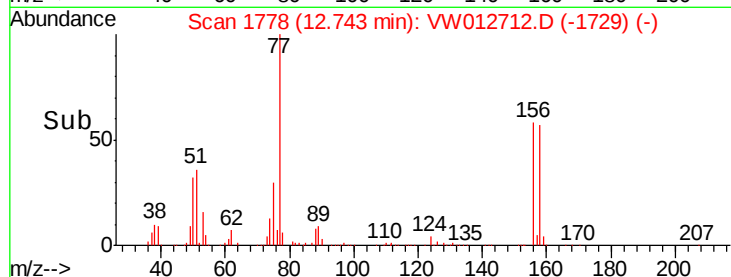
158 97.9 48.9 146.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.725 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW012712.D

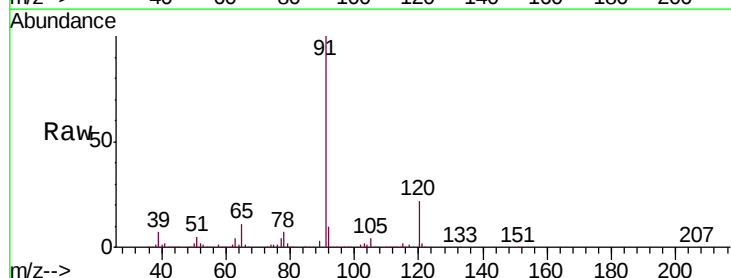
Acq: 07 Sep 2019 11:03

Tgt Ion: 91 Resp: 751144

Ion Ratio Lower Upper

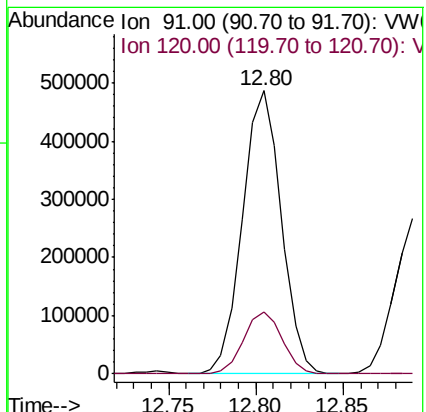
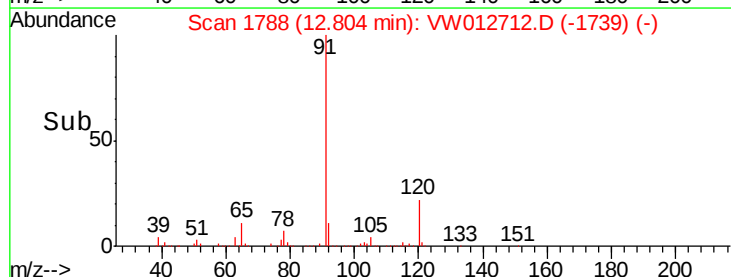
91 100

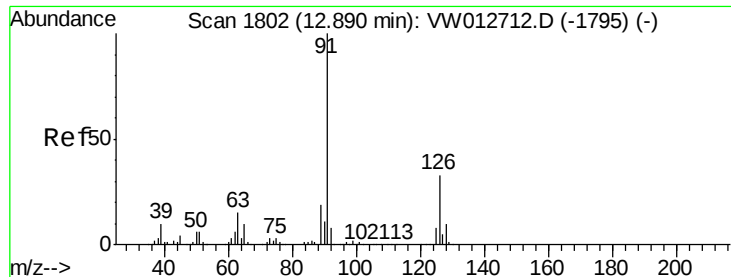
120 22.0 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

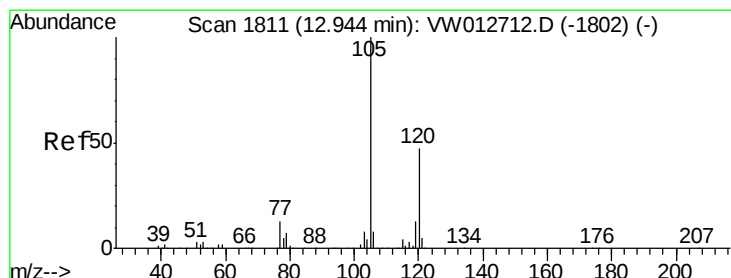
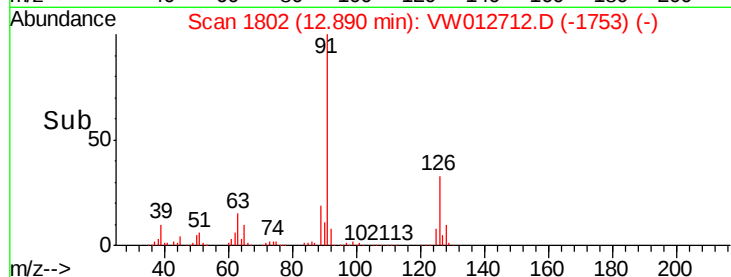
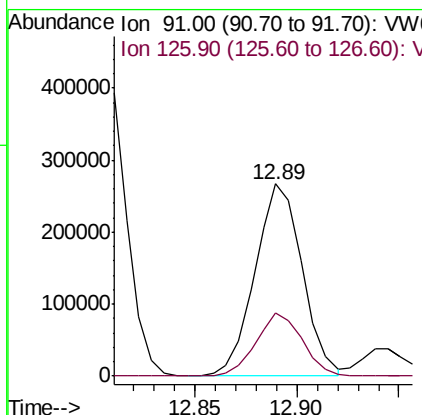
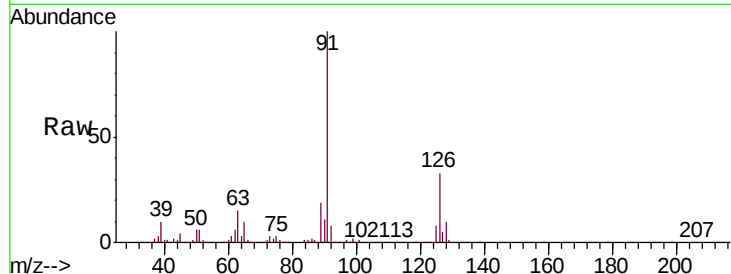




#79
 2-Chlorotoluene
 Concen: 52.479 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VW012712.D
 Acq: 07 Sep 2019 11:03

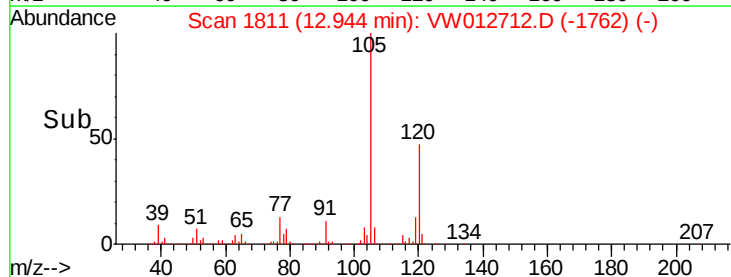
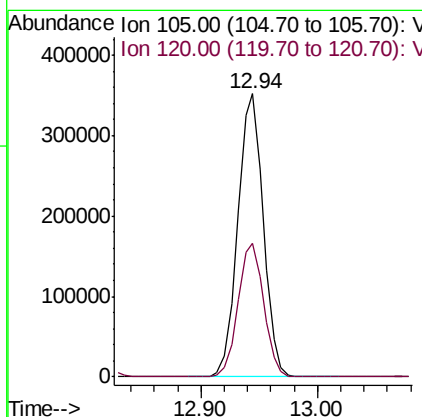
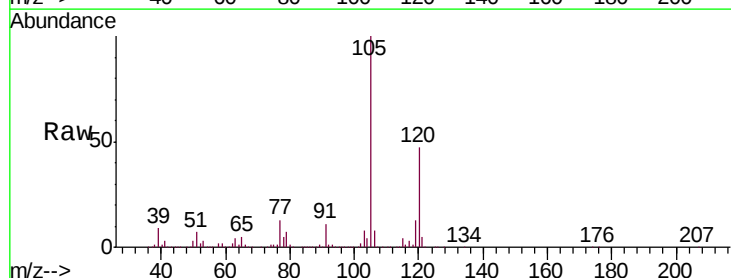
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

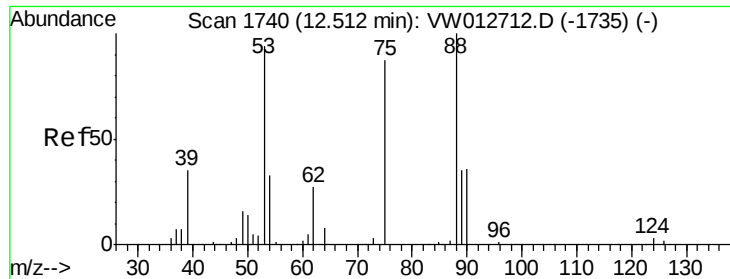
Tgt Ion: 91 Resp: 429204
 Ion Ratio Lower Upper
 91 100
 126 32.2 16.1 48.3



#80
 1,3,5-Trimethylbenzene
 Concen: 53.318 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW012712.D
 Acq: 07 Sep 2019 11:03

Tgt Ion: 105 Resp: 535179
 Ion Ratio Lower Upper
 105 100
 120 47.9 23.9 71.8





#81

trans-1,4-Dichloro-2-butene

Concen: 52.473 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW012712.D

Acq: 07 Sep 2019 11:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

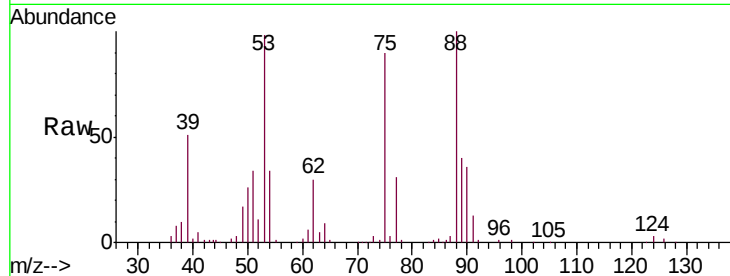
Tgt Ion: 75 Resp: 42132

Ion Ratio Lower Upper

75 100

53 109.5 87.6 131.4

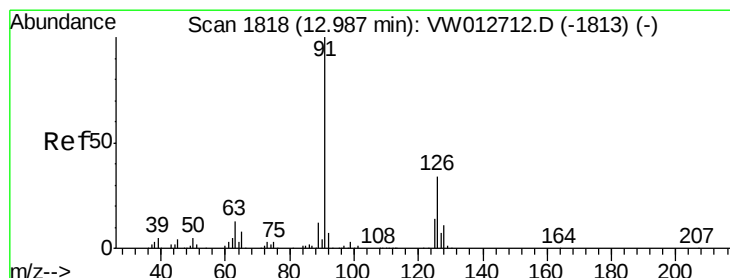
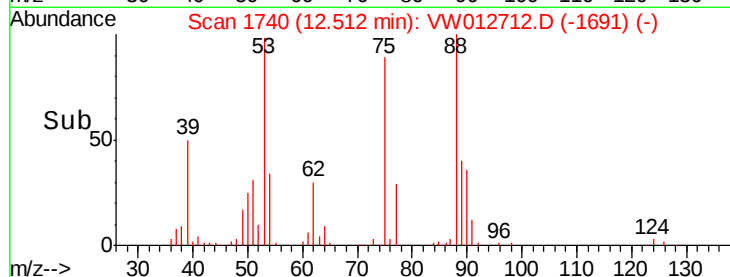
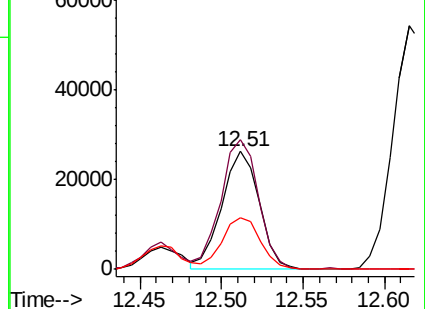
89 44.4 35.5 53.3



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 51.506 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW012712.D

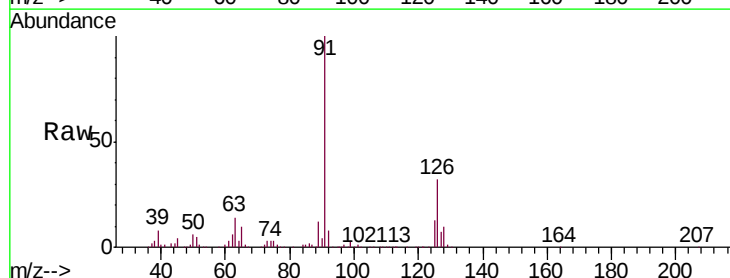
Acq: 07 Sep 2019 11:03

Tgt Ion: 91 Resp: 445580

Ion Ratio Lower Upper

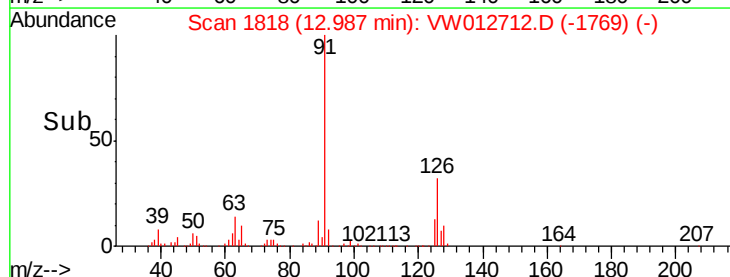
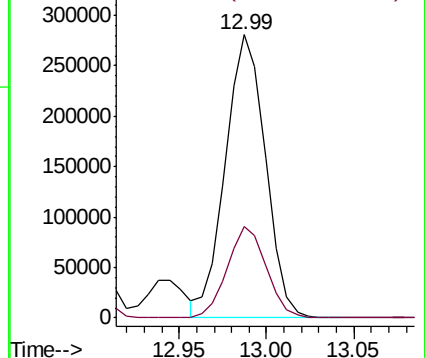
91 100

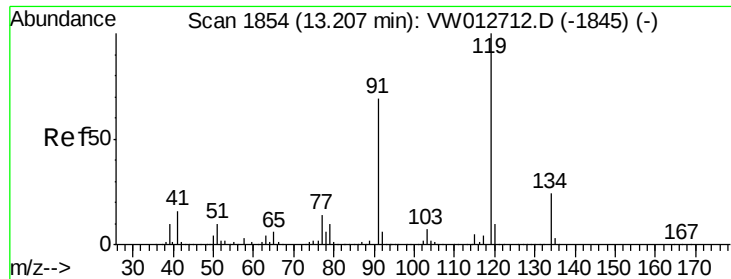
126 31.7 15.9 47.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

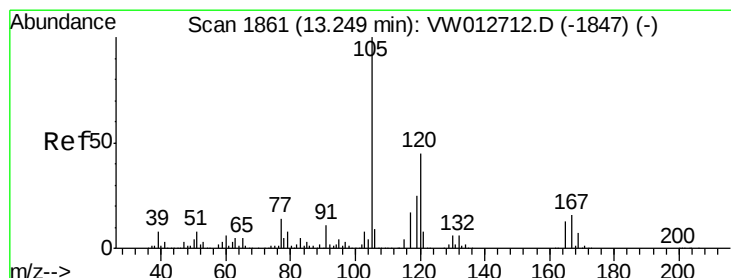
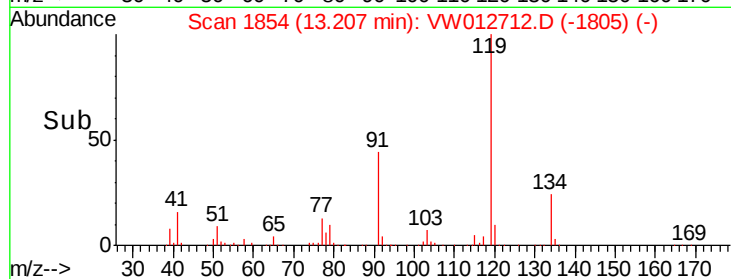
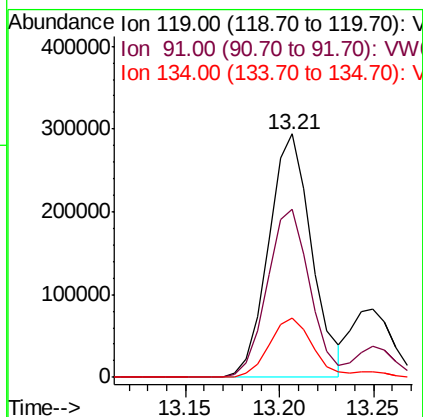
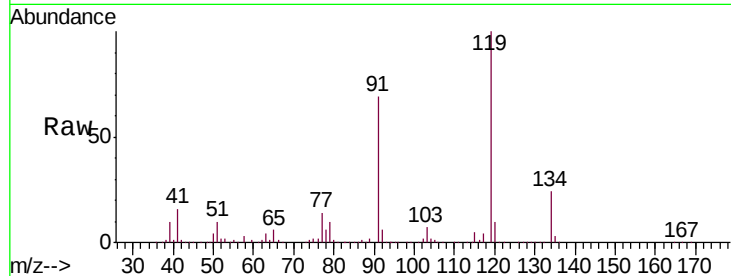




#83
tert-Butylbenzene
Concen: 52.473 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW012712.D
Acq: 07 Sep 2019 11:03

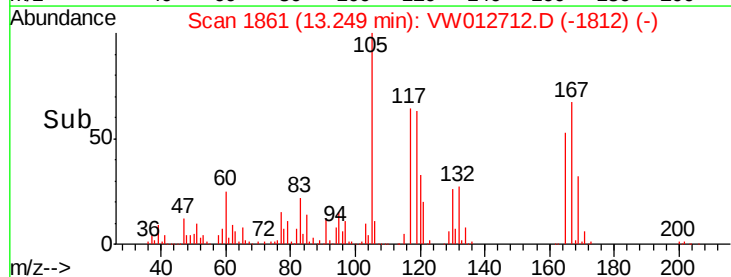
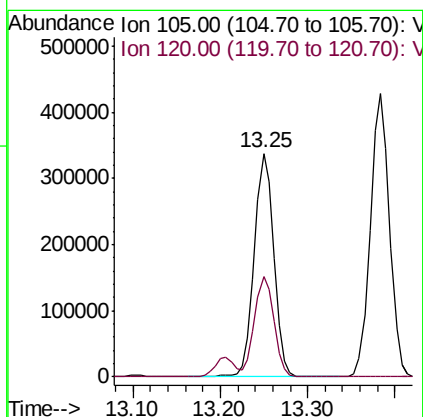
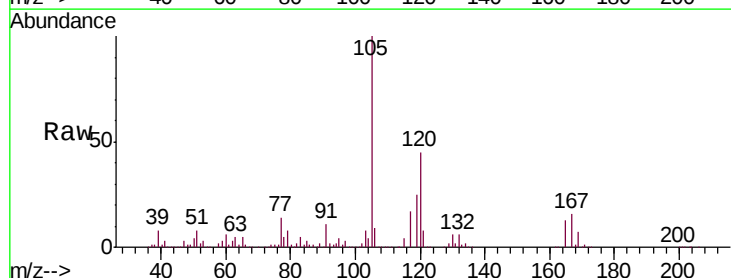
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

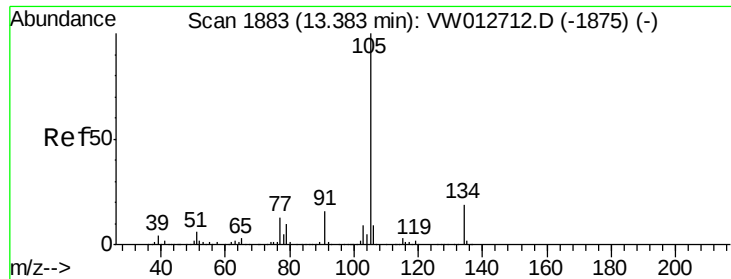
Tgt Ion:119 Resp: 465705
Ion Ratio Lower Upper
119 100
91 68.3 34.2 102.5
134 24.6 12.3 36.9



#84
1,2,4-Trimethylbenzene
Concen: 51.588 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW012712.D
Acq: 07 Sep 2019 11:03

Tgt Ion:105 Resp: 521762
Ion Ratio Lower Upper
105 100
120 44.2 22.1 66.3





#85

sec-Butylbenzene

Concen: 52.948 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW012712.D

Acq: 07 Sep 2019 11:03

Instrument :

MSVOA_W

ClientSampleId :

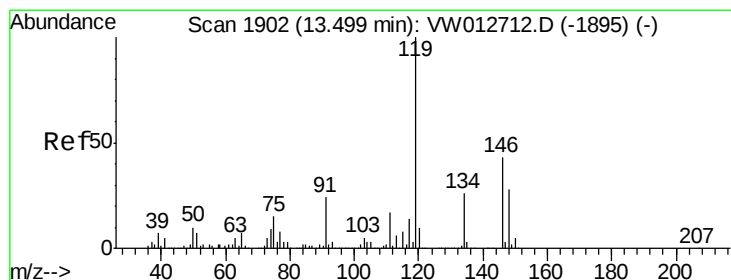
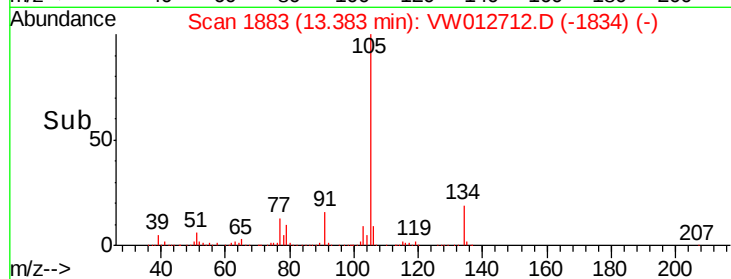
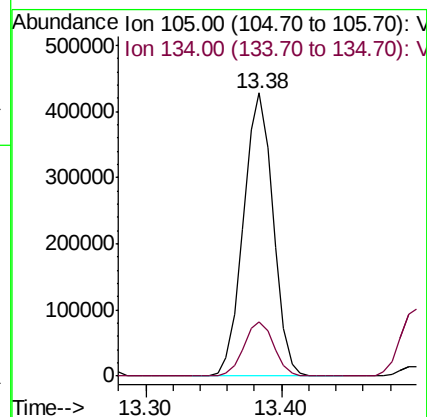
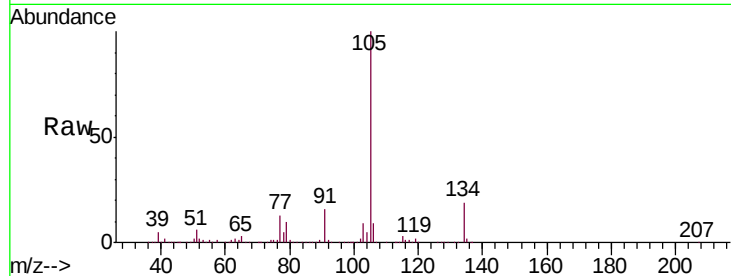
VSTDICCC050

Tgt Ion:105 Resp: 652078

Ion Ratio Lower Upper

105 100

134 19.5 9.8 29.3



#86

p-Isopropyltoluene

Concen: 53.167 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW012712.D

Acq: 07 Sep 2019 11:03

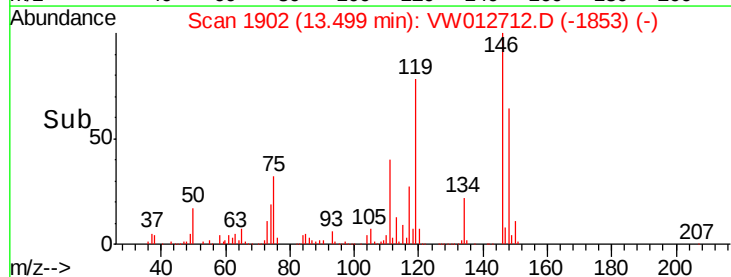
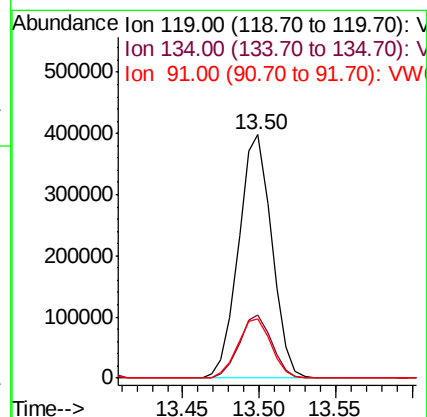
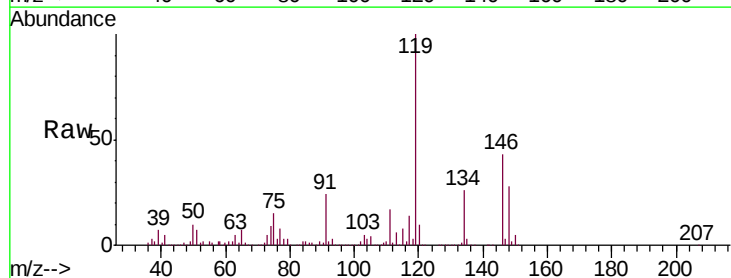
Tgt Ion:119 Resp: 598088

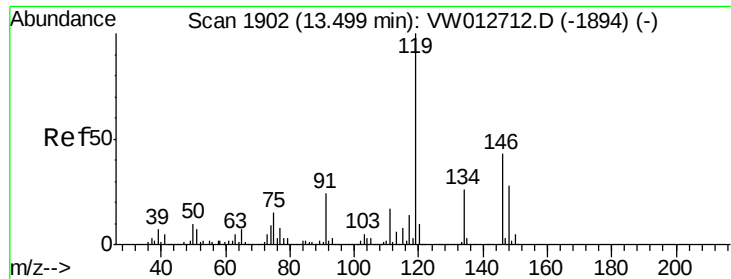
Ion Ratio Lower Upper

119 100

134 25.4 12.7 38.1

91 24.4 12.2 36.6

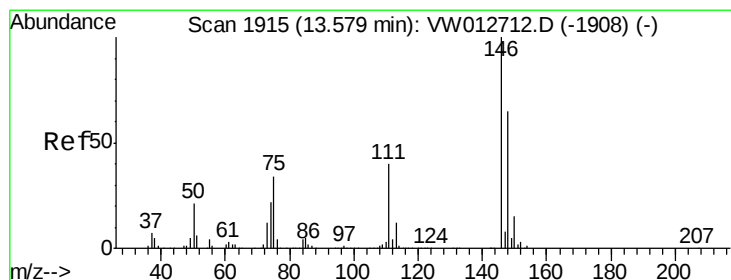
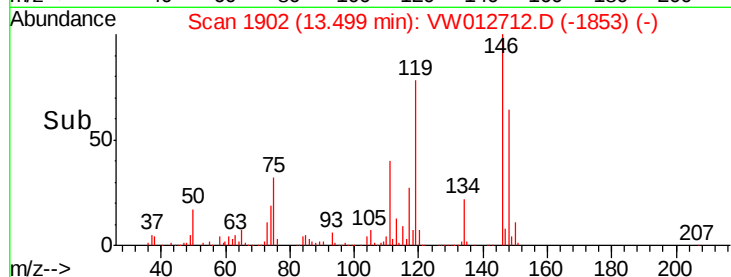
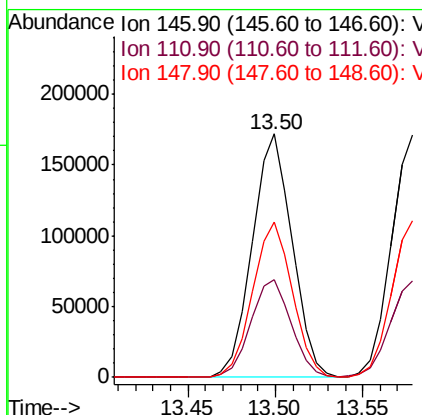
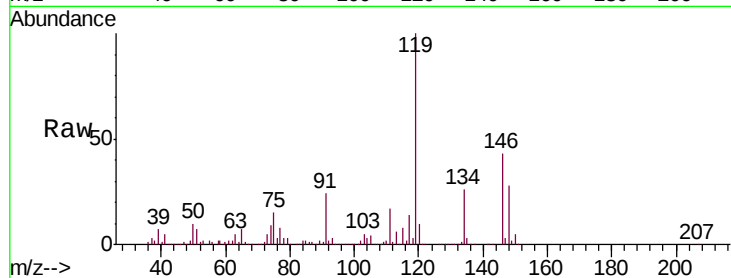




#87
 1,3-Dichlorobenzene
 Concen: 51.341 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW012712.D
 Acq: 07 Sep 2019 11:03

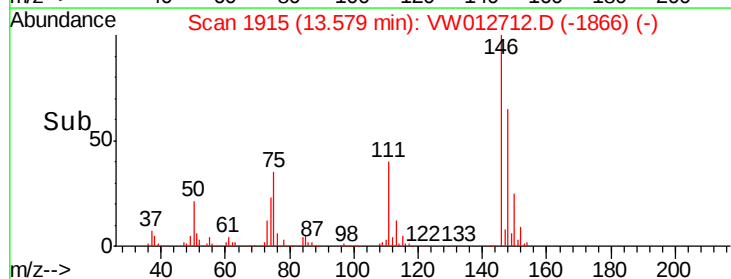
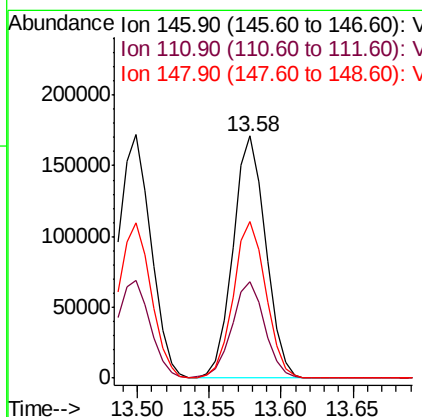
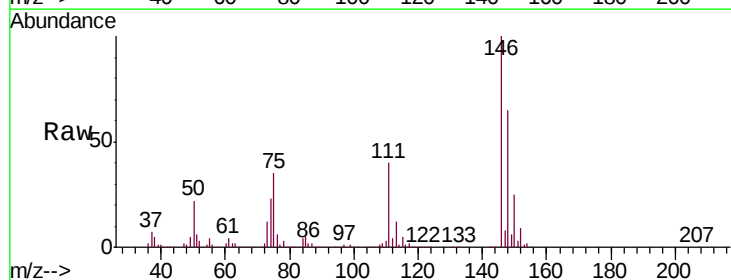
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

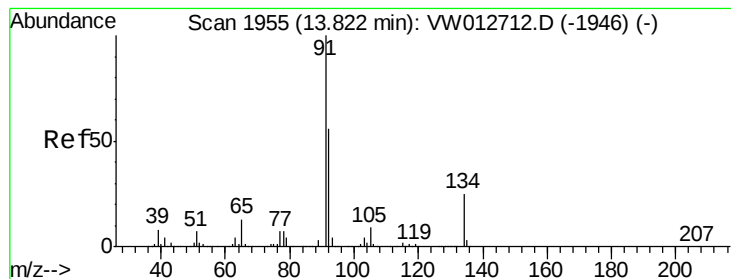
Tgt Ion:146 Resp: 272337
 Ion Ratio Lower Upper
 146 100
 111 40.8 20.4 61.2
 148 63.6 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 51.350 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW012712.D
 Acq: 07 Sep 2019 11:03

Tgt Ion:146 Resp: 271044
 Ion Ratio Lower Upper
 146 100
 111 40.0 20.0 60.0
 148 64.4 32.2 96.6





#89

n-Butylbenzene

Concen: 52.606 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW012712.D

Acq: 07 Sep 2019 11:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

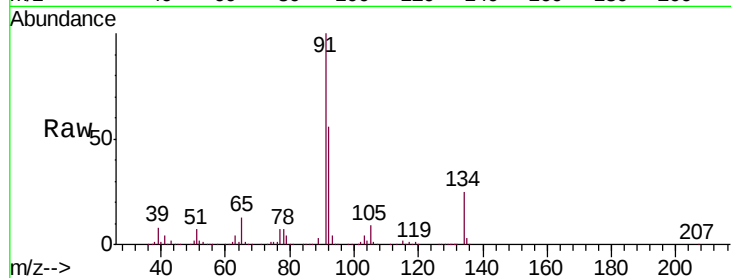
Tgt Ion: 91 Resp: 574510

Ion Ratio Lower Upper

91 100

92 54.3 27.2 81.5

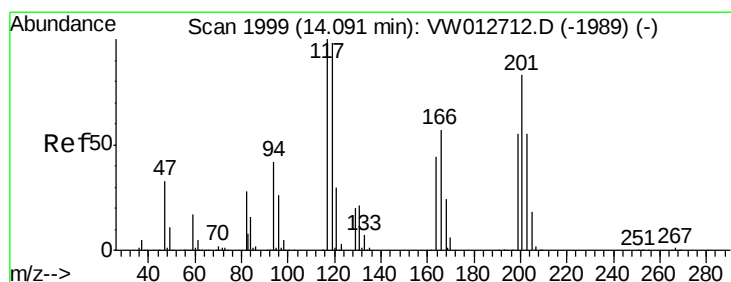
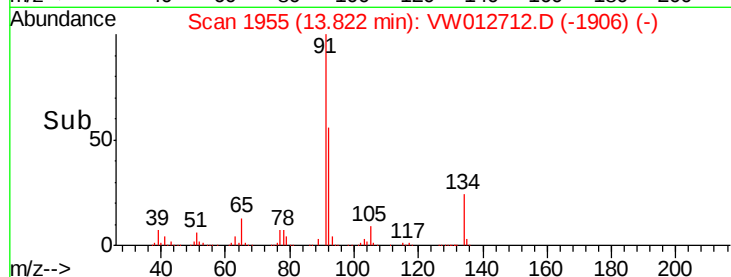
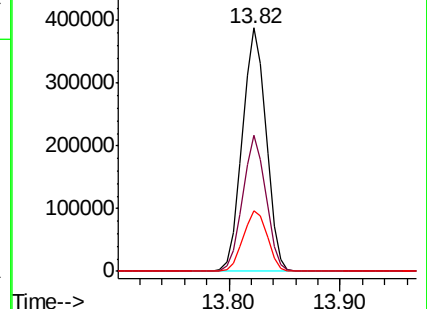
134 25.4 12.7 38.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 52.858 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW012712.D

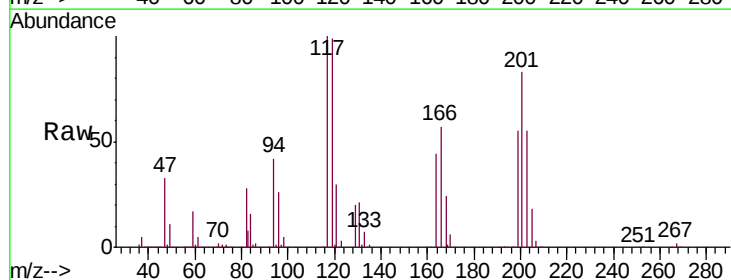
Acq: 07 Sep 2019 11:03

Tgt Ion: 117 Resp: 103803

Ion Ratio Lower Upper

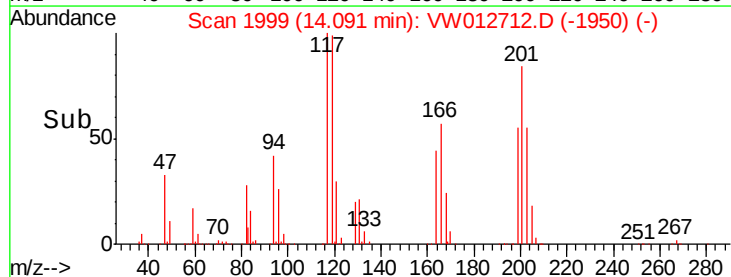
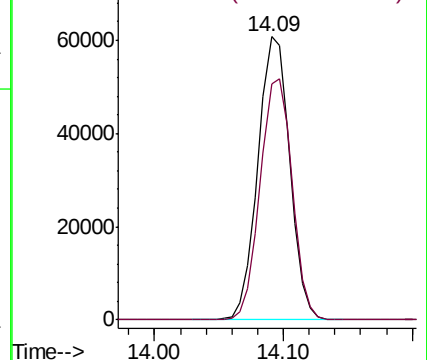
117 100

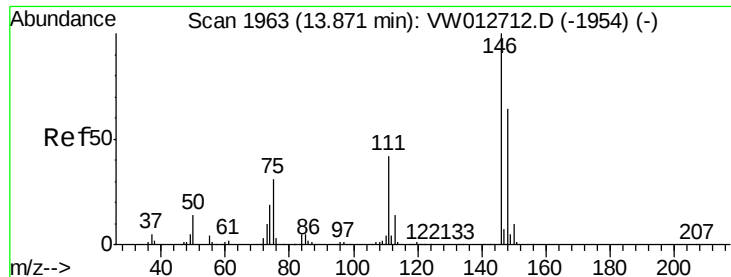
201 85.6 42.8 128.4



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

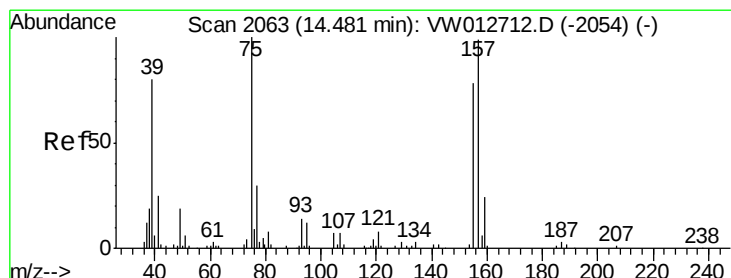
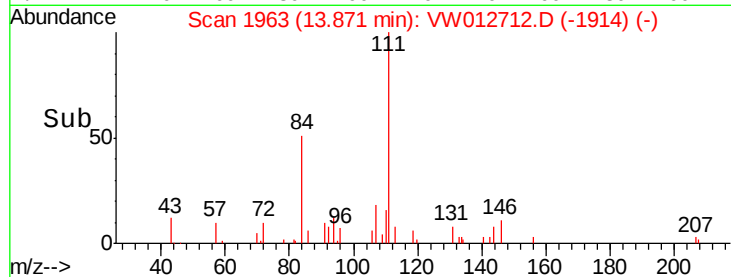
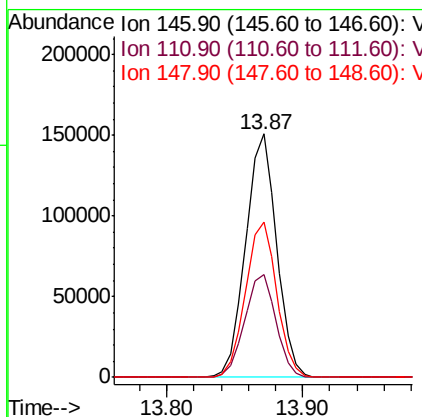
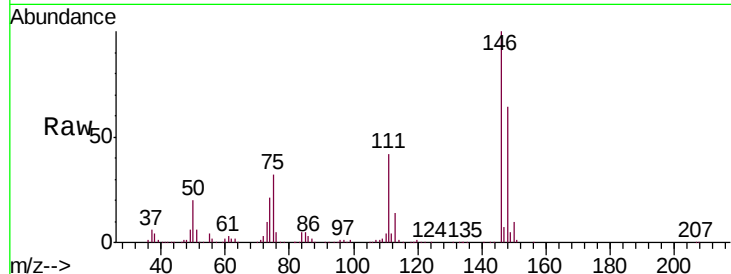




#91
 1,2-Dichlorobenzene
 Concen: 50.555 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW012712.D
 Acq: 07 Sep 2019 11:03

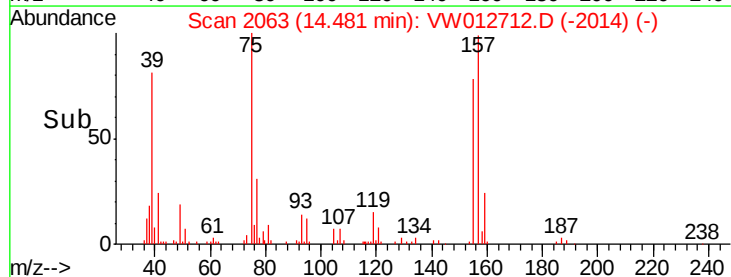
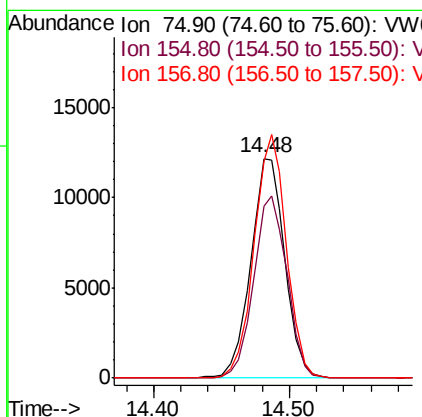
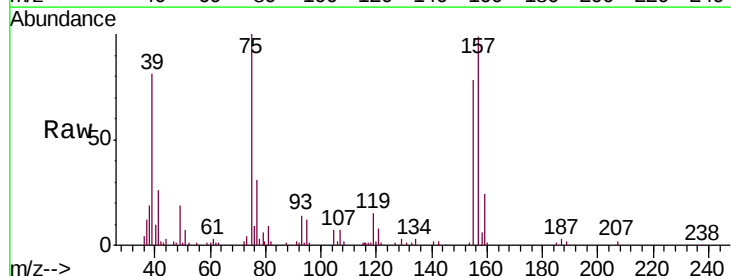
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

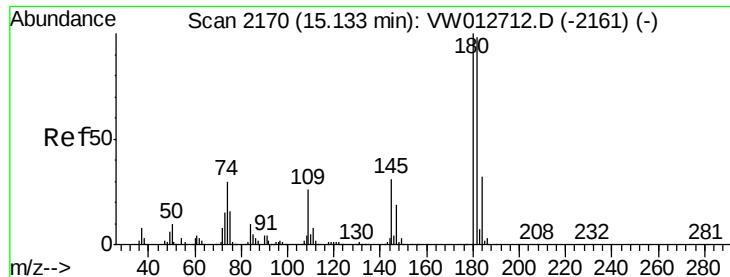
Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.3	63.9
148	64.3	32.1	96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.603 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW012712.D
 Acq: 07 Sep 2019 11:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.3	40.6	122.0
157	105.0	52.5	157.5

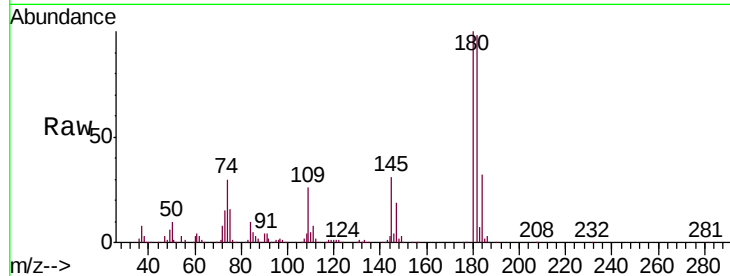




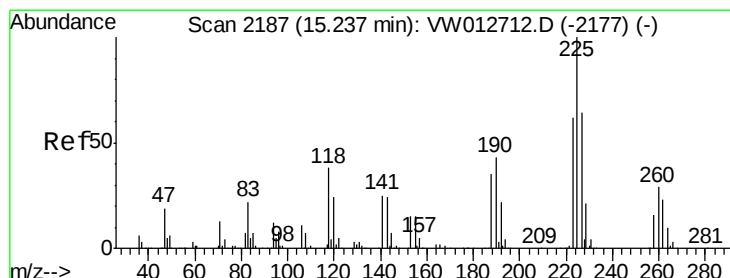
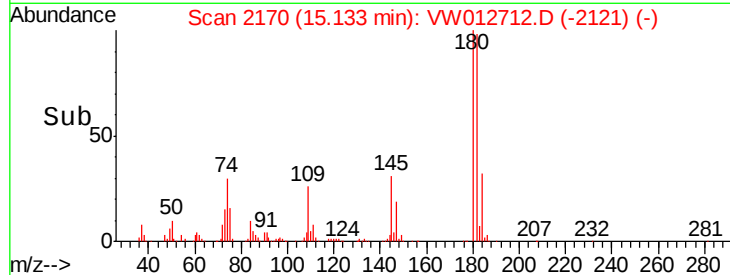
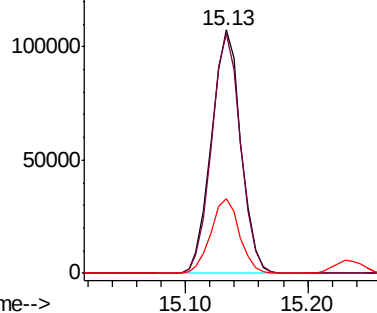
#93
 1,2,4-Trichlorobenzene
 Concen: 53.739 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW012712.D
 Acq: 07 Sep 2019 11:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tgt Ion:180 Resp: 178631
 Ion Ratio Lower Upper
 180 100
 182 97.4 48.7 146.1
 145 30.1 15.0 45.1

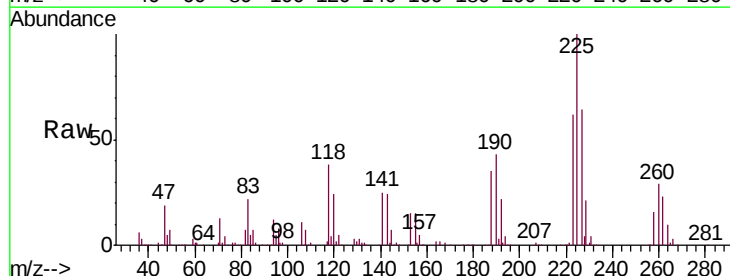


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

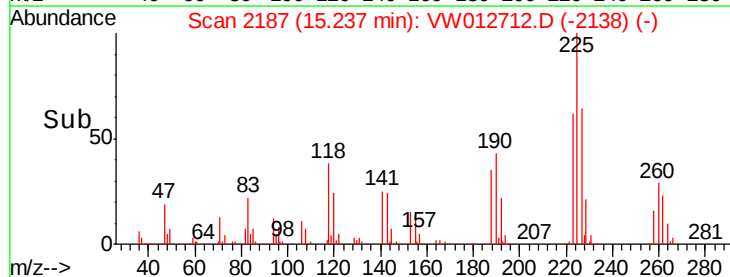
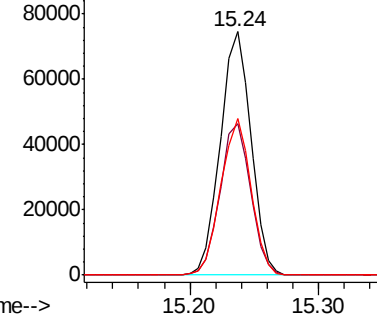


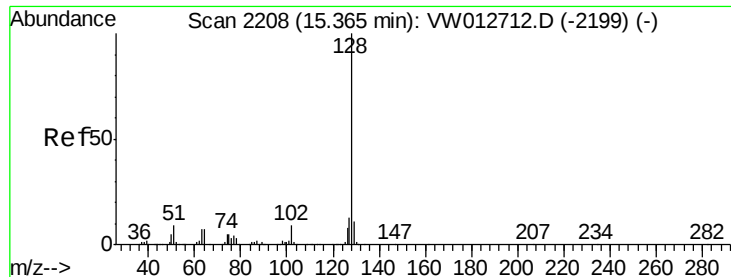
#94
 Hexachlorobutadiene
 Concen: 53.345 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW012712.D
 Acq: 07 Sep 2019 11:03

Tgt Ion:225 Resp: 122735
 Ion Ratio Lower Upper
 225 100
 223 62.2 31.1 93.3
 227 62.8 31.4 94.2



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

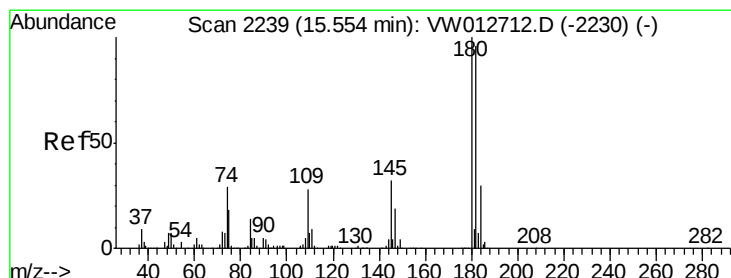
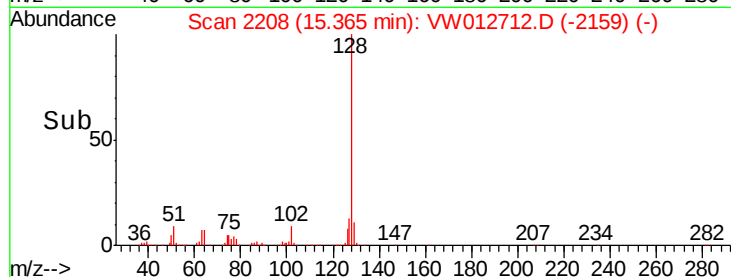
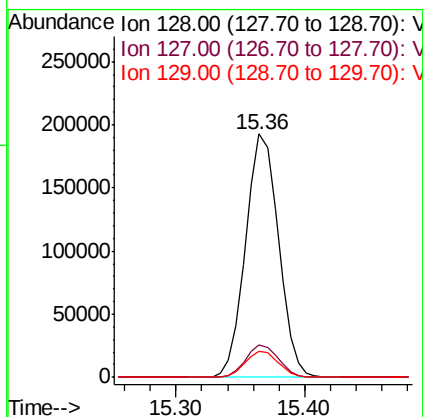
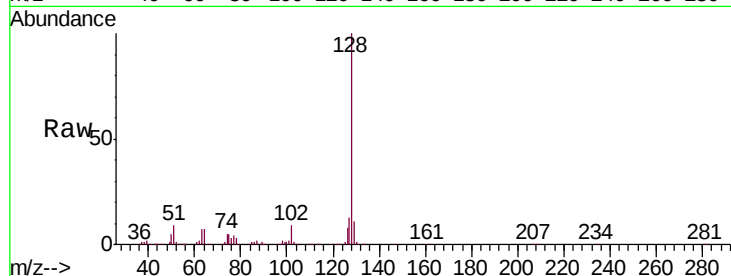




#95
Naphthalene
Concen: 55.017 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012712.D
Acq: 07 Sep 2019 11:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 340486
Ion Ratio Lower Upper
128 100
127 13.4 10.7 16.1
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 54.831 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW012712.D
Acq: 07 Sep 2019 11:03

Tgt Ion:180 Resp: 160881
Ion Ratio Lower Upper
180 100
182 95.5 47.8 143.3
145 30.8 15.4 46.2

