

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082019\
 Data File : VW012034.D
 Acq On : 20 Aug 2019 16:27
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 21 01:33:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	257003	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	406425	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	347960	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	170443	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	142112	48.16	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.32%		
35) Dibromofluoromethane	7.88	113	119159	52.26	ug/l	0.00
Spiked Amount 50.000			Recovery =	104.52%		
50) Toluene-d8	10.32	98	485828	52.04	ug/l	0.00
Spiked Amount 50.000			Recovery =	104.08%		
62) 4-Bromofluorobenzene	12.62	95	174082	52.30	ug/l	0.00
Spiked Amount 50.000			Recovery =	104.60%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	76942	53.719	ug/l	97
3) Chloromethane	2.21	50	125644	50.588	ug/l	100
4) Vinyl Chloride	2.36	62	159582	53.369	ug/l	99
5) Bromomethane	2.78	94	83366	50.369	ug/l	100
6) Chloroethane	2.92	64	92849	54.360	ug/l	98
7) Trichlorofluoromethane	3.26	101	82022	61.378	ug/l	96
8) Diethyl Ether	3.68	74	79267	52.316	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	142675	56.282	ug/l	99
10) Methyl Iodide	4.27	142	196330	54.804	ug/l	99
11) Tert butyl alcohol	5.16	59	53667	246.139	ug/l #	85
12) 1,1-Dichloroethene	4.04	96	147198	54.995	ug/l	98
13) Acrolein	3.89	56	50457	238.285	ug/l	99
14) Allyl chloride	4.67	41	309232	54.320	ug/l	100
15) Acrylonitrile	5.36	53	200255	264.765	ug/l	99
16) Acetone	4.12	43	222059	236.550	ug/l	100
17) Carbon Disulfide	4.38	76	423159	50.513	ug/l	100
18) Methyl Acetate	4.67	43	106508	50.505	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	230014	54.154	ug/l	95
20) Methylene Chloride	4.92	84	158027	48.811	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	152824	52.960	ug/l	96
22) Diisopropyl ether	6.31	45	567052	52.832	ug/l	98
23) Vinyl Acetate	6.25	43	1805559	267.721	ug/l	100
24) 1,1-Dichloroethane	6.21	63	308683	53.700	ug/l	99
25) 2-Butanone	7.16	43	300457	244.598	ug/l	98
26) 2,2-Dichloropropane	7.16	77	175416	49.621	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	165212	52.020	ug/l	99
28) Bromochloromethane	7.51	49	138558	54.306	ug/l #	99
29) Tetrahydrofuran	7.52	42	184806	263.201	ug/l	99
30) Chloroform	7.68	83	279262	52.659	ug/l	97
31) Cyclohexane	7.95	56	283335	51.349	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	223023	55.221	ug/l	99
36) 1,1-Dichloropropene	8.08	75	235601	55.749	ug/l	99
37) Ethyl Acetate	7.25	43	127193	52.313	ug/l	98
38) Carbon Tetrachloride	8.07	117	202809	56.058	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	266954	57.367	ug/l	98
40) Benzene	8.32	78	636046	53.731	ug/l	100
41) Methacrylonitrile	7.48	41	79298	54.560	ug/l	98
42) 1,2-Dichloroethane	8.40	62	193911	52.321	ug/l	98
43) Isopropyl Acetate	8.42	43	243815	54.527	ug/l	100
44) Trichloroethene	9.09	130	157936	55.511	ug/l	97
45) 1,2-Dichloropropane	9.37	63	171783	54.236	ug/l	100
46) Dibromomethane	9.46	93	77002	53.266	ug/l	98
47) Bromodichloromethane	9.65	83	207358	54.682	ug/l	99
48) Methyl methacrylate	9.43	41	118583	55.208	ug/l	97
49) 1,4-Dioxane	9.45	88	23396	1117.731	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	633925	272.558	ug/l	100
52) Toluene	10.39	92	392514	54.908	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	215765	54.469	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	259097	55.011	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	109562	53.416	ug/l	99
56) Ethyl methacrylate	10.65	69	169615	56.511	ug/l	99
57) 1,3-Dichloropropane	10.93	76	209917	54.095	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	427172	313.457	ug/l	100
59) 2-Hexanone	10.97	43	454310	276.648	ug/l	99
60) Dibromochloromethane	11.13	129	125649	55.187	ug/l	99
61) 1,2-Dibromoethane	11.24	107	104364	53.767	ug/l	100
64) Tetrachloroethene	10.86	164	128117	56.549	ug/l	100
65) Chlorobenzene	11.66	112	390098	55.763	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	136555	56.040	ug/l	99
67) Ethyl Benzene	11.73	91	770125	57.802	ug/l	100
68) m/p-Xylenes	11.84	106	550247	113.562	ug/l	100
69) o-Xylene	12.16	106	257144	57.110	ug/l	100
70) Styrene	12.18	104	447088	57.429	ug/l	100
71) Bromoform	12.35	173	70817	57.000	ug/l #	98
73) Isopropylbenzene	12.46	105	725439	57.052	ug/l	100
74) N-amyl acetate	12.27	43	232806	58.481	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	132393	55.354	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	177290	98.304	ug/l #	100
77) Bromobenzene	12.75	156	157547	56.057	ug/l	99
78) n-propylbenzene	12.80	91	889721	57.495	ug/l	100
79) 2-Chlorotoluene	12.89	91	497966	55.857	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	607100	56.958	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	44830	57.288	ug/l	99
82) 4-Chlorotoluene	12.99	91	524622	56.087	ug/l	100
83) tert-Butylbenzene	13.21	119	524168	58.807	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	610564	56.865	ug/l	100
85) sec-Butylbenzene	13.38	105	748560	58.858	ug/l	100
86) p-Isopropyltoluene	13.50	119	674772	58.476	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	307537	55.806	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	302210	55.128	ug/l	100
89) n-Butylbenzene	13.82	91	680436	59.088	ug/l	100
90) Hexachloroethane	14.09	117	117357	57.514	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	274819	56.385	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	22041	54.041	ug/l	95

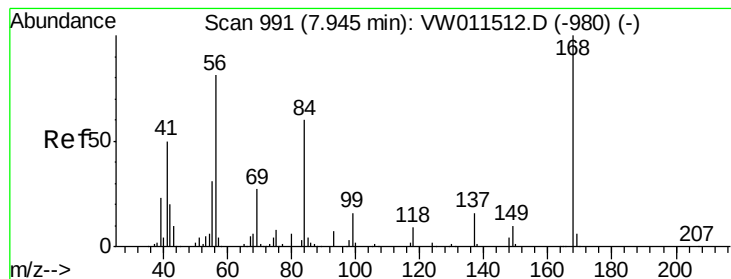
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	198290	57.725	ug/l	99
94) Hexachlorobutadiene	15.24	225	128183	59.838	ug/l	98
95) Naphthalene	15.37	128	361389	53.555	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	172346	57.238	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

Instrument :

MSVOA_W

ClientSampleId :

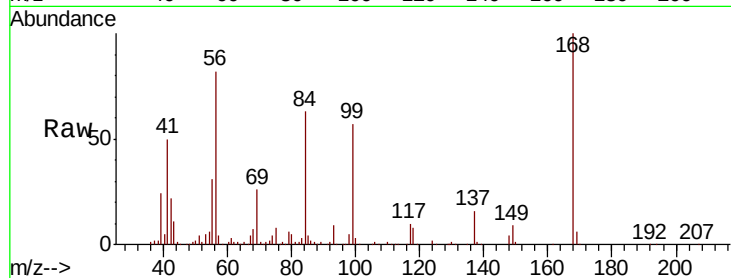
VSTDCCC050

Tgt Ion:168 Resp: 257003

Ion Ratio Lower Upper

168 100

99 57.4 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

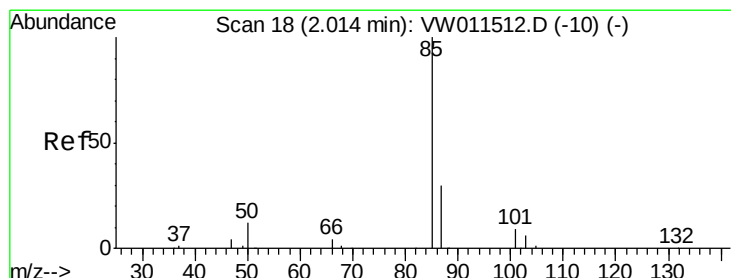
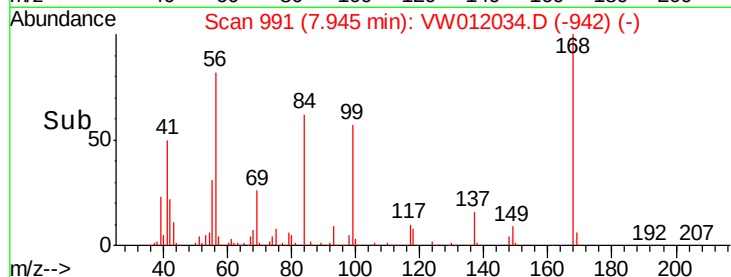
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 53.719 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW012034.D

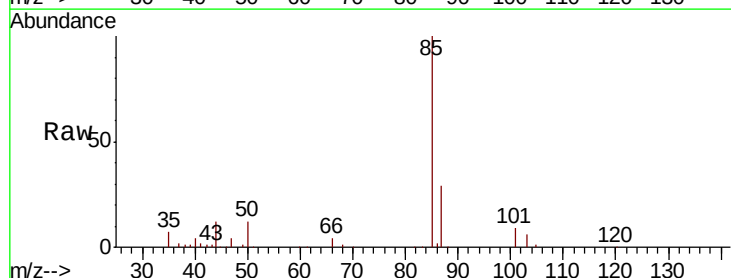
Acq: 20 Aug 2019 16:27

Tgt Ion: 85 Resp: 76942

Ion Ratio Lower Upper

85 100

87 28.9 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

30000

25000

20000

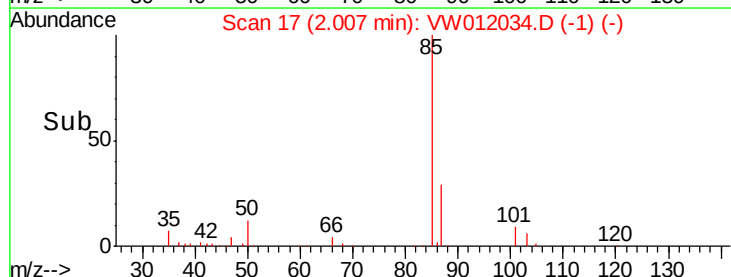
15000

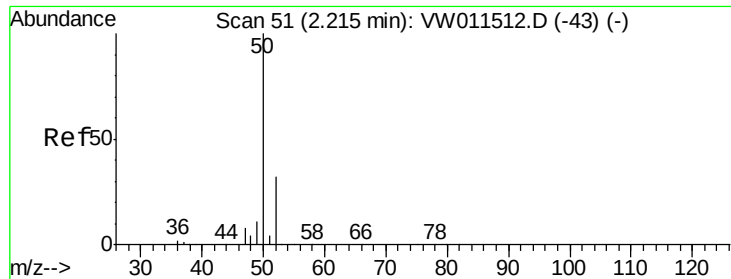
10000

5000

0

Time--> 2.00 2.20





#3

Chloromethane

Concen: 50.588 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

Instrument :

MSVOA_W

ClientSampleId :

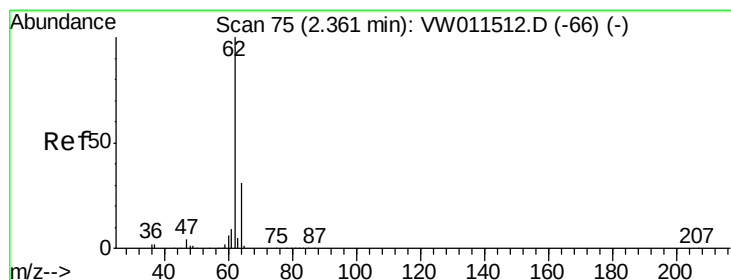
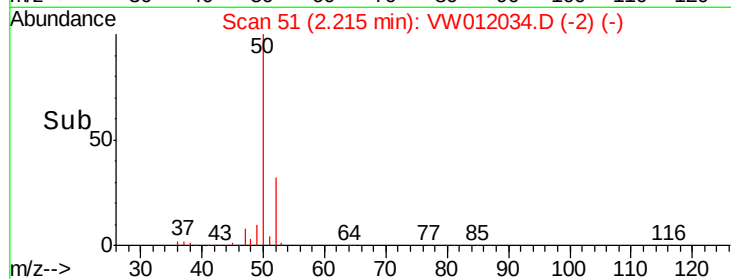
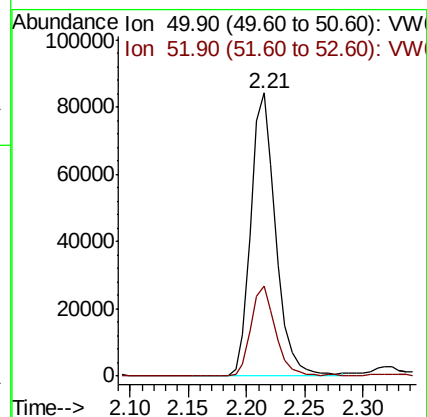
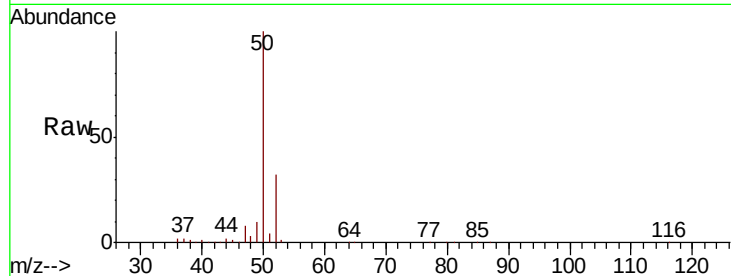
VSTDCCC050

Tgt Ion: 50 Resp: 125644

Ion Ratio Lower Upper

50 100

52 31.9 25.4 38.2



#4

Vinyl Chloride

Concen: 53.369 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012034.D

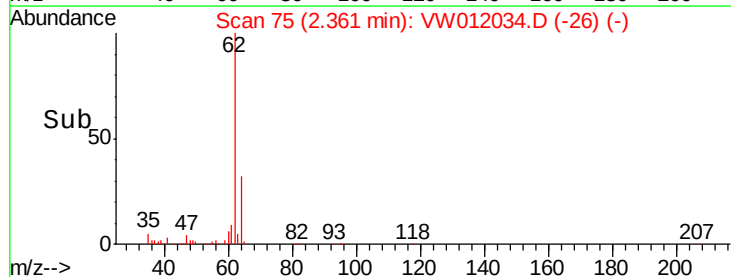
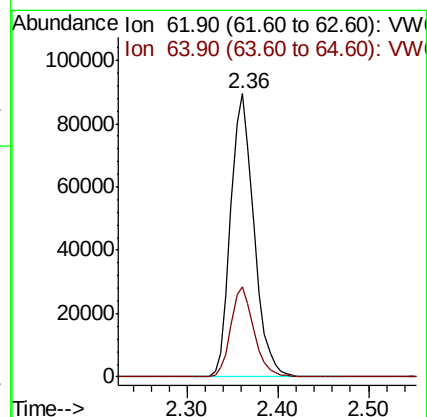
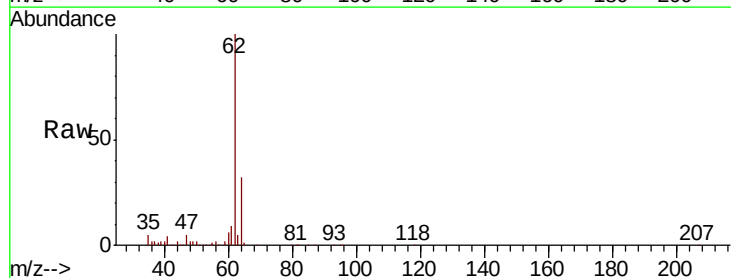
Acq: 20 Aug 2019 16:27

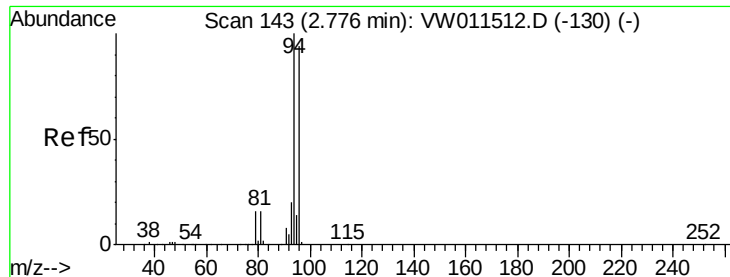
Tgt Ion: 62 Resp: 159582

Ion Ratio Lower Upper

62 100

64 31.8 25.0 37.4





#5

Bromomethane

Concen: 50.369 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

Instrument :

MSVOA_W

ClientSampleId :

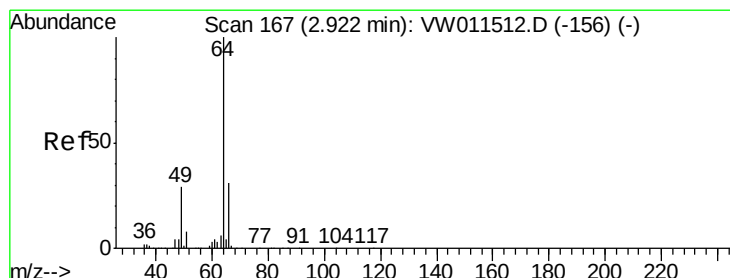
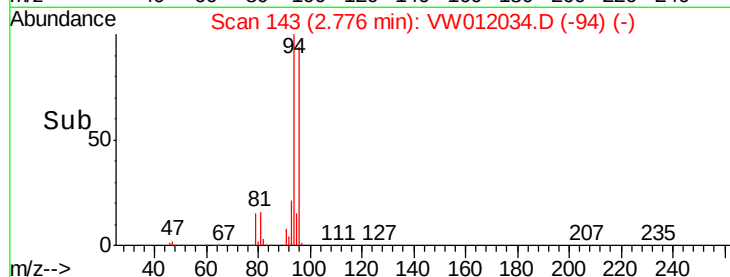
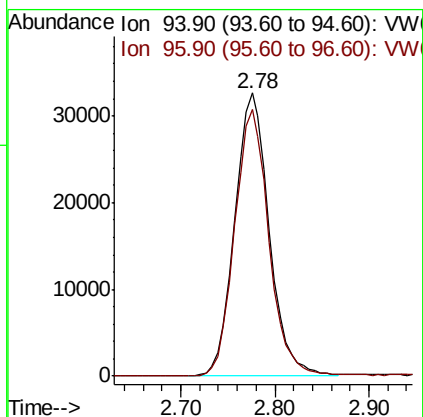
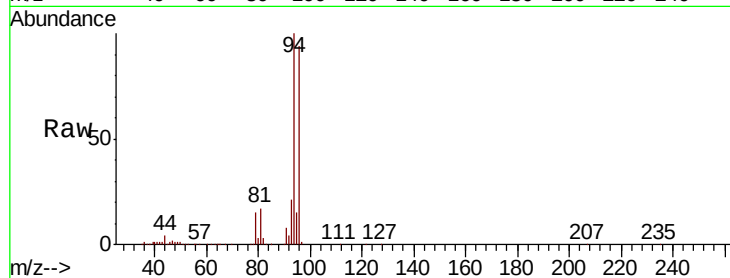
VSTDCCC050

Tgt Ion: 94 Resp: 83366

Ion Ratio Lower Upper

94 100

96 94.0 75.0 112.6



#6

Chloroethane

Concen: 54.360 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW012034.D

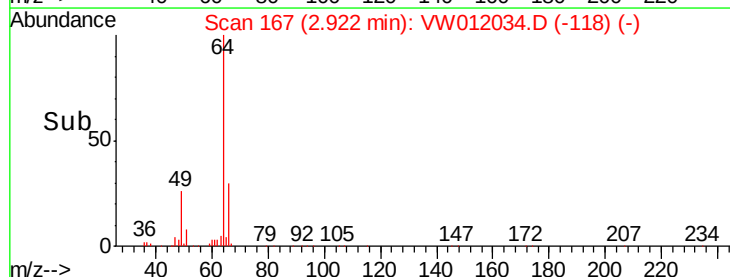
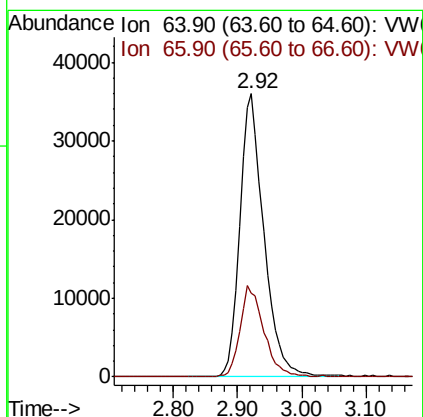
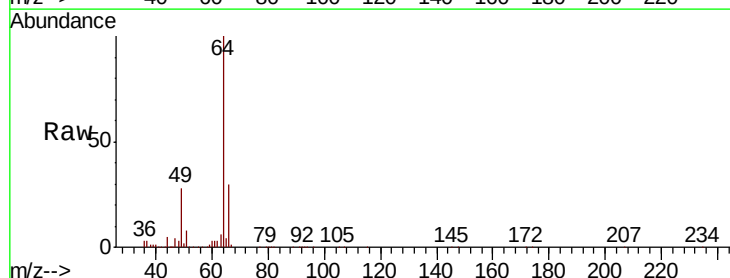
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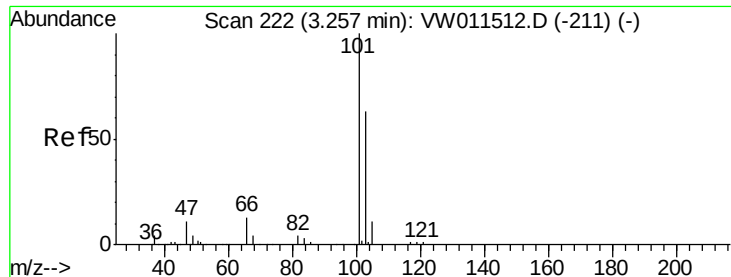
Tgt Ion: 64 Resp: 92849

Ion Ratio Lower Upper

64 100

66 29.7 24.6 36.8



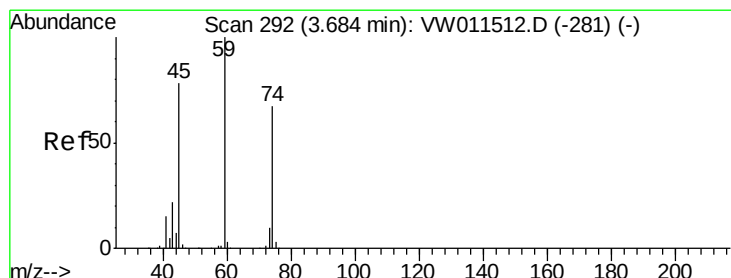
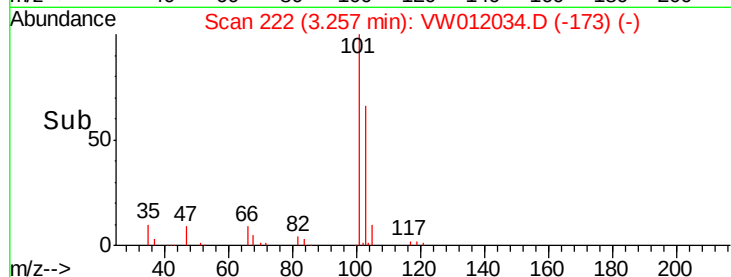
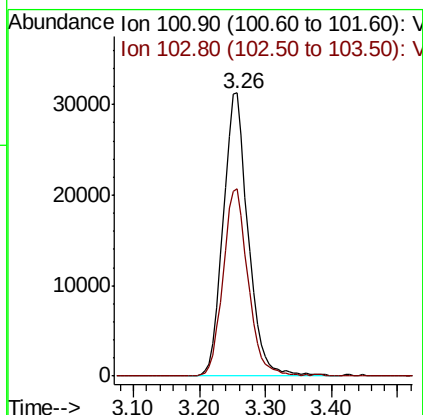
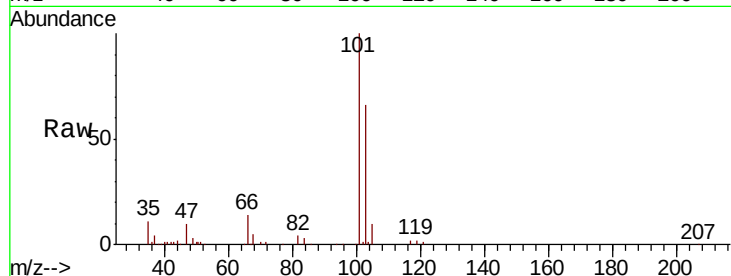


#7

Trichlorofluoromethane
 Concen: 61.378 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW012034.D
 Acq: 20 Aug 2019 16:27

Instrument :
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 ClientSampleId :
 VSTDCCC050

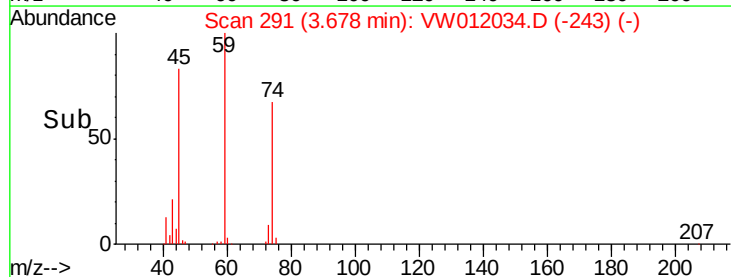
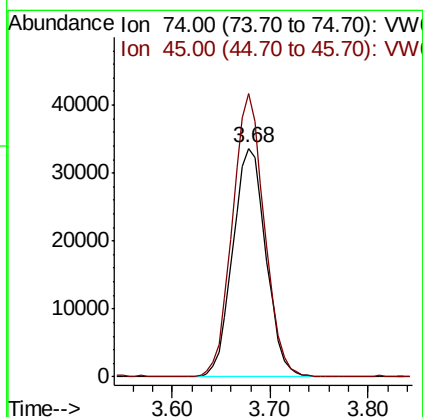
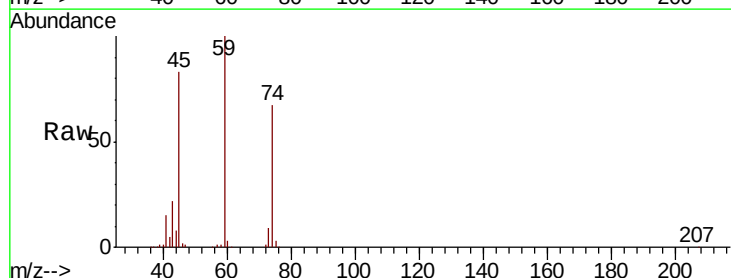
Tgt Ion:101 Resp: 82022
 Ion Ratio Lower Upper
 101 100
 103 66.0 50.2 75.4

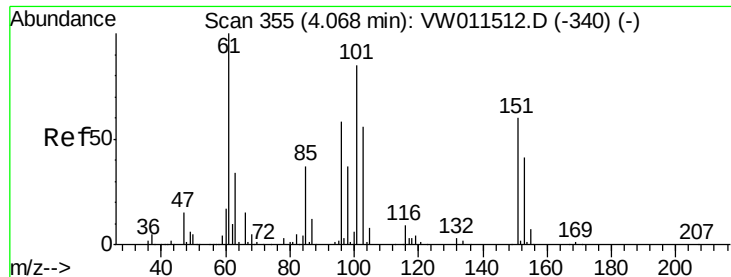


#8

Diethyl Ether
 Concen: 52.316 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW012034.D
 Acq: 20 Aug 2019 16:27

Tgt Ion: 74 Resp: 79267
 Ion Ratio Lower Upper
 74 100
 45 118.7 59.6 178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 56.282 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

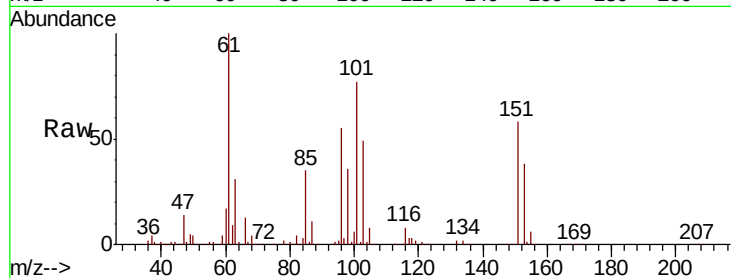
Tgt Ion:101 Resp: 142675

Ion Ratio Lower Upper

101 100

85 44.8 36.6 54.8

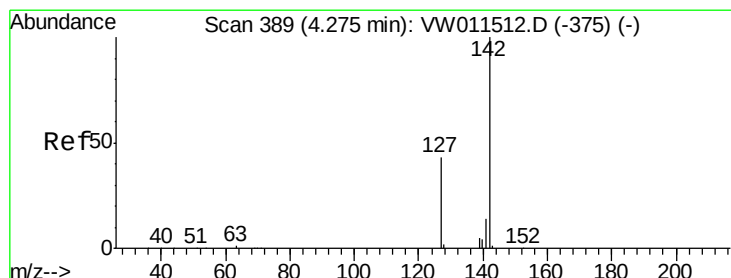
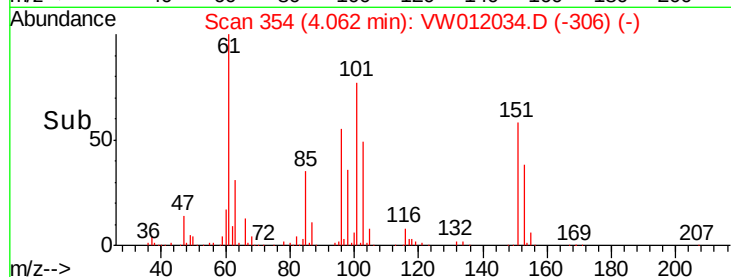
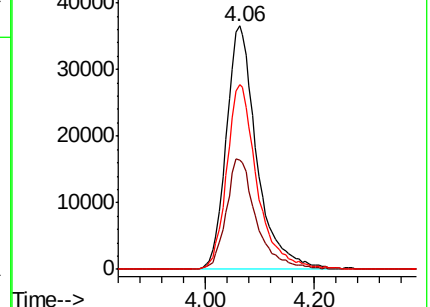
151 75.7 60.2 90.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 54.804 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.01 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

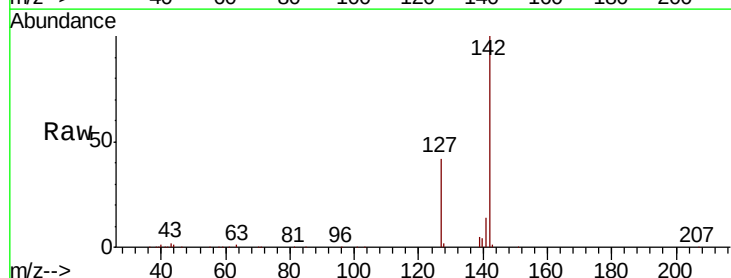
Tgt Ion:142 Resp: 196330

Ion Ratio Lower Upper

142 100

127 42.9 35.0 52.6

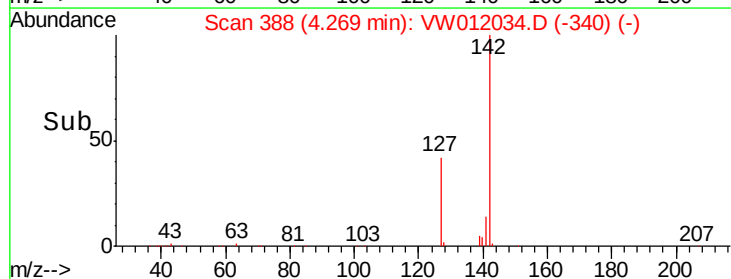
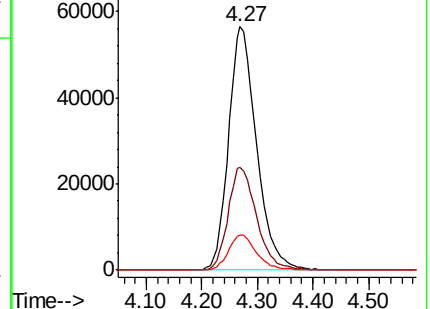
141 14.5 11.9 17.9

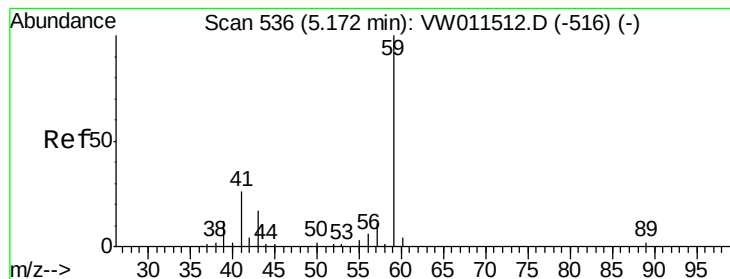


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



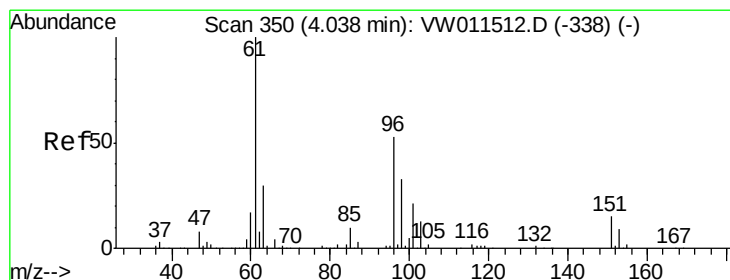
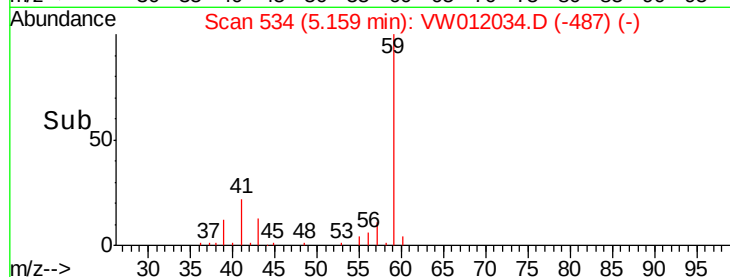
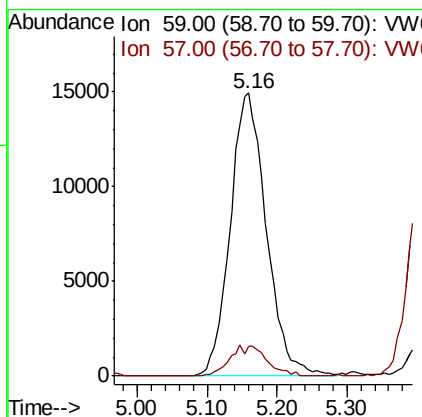
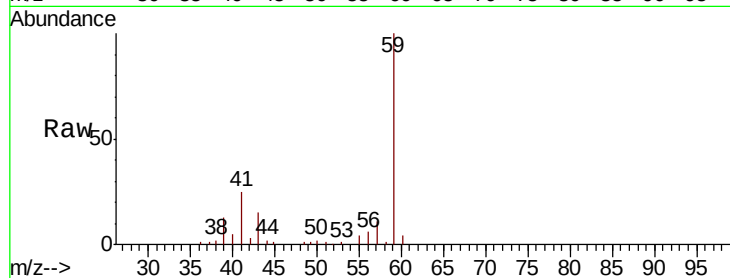


#11

Tert butyl alcohol
 Concen: 246.139 ug/l
 RT: 5.16 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VW012034.D
 Acq: 20 Aug 2019 16:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

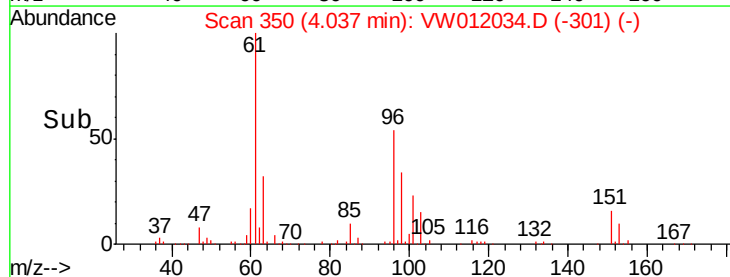
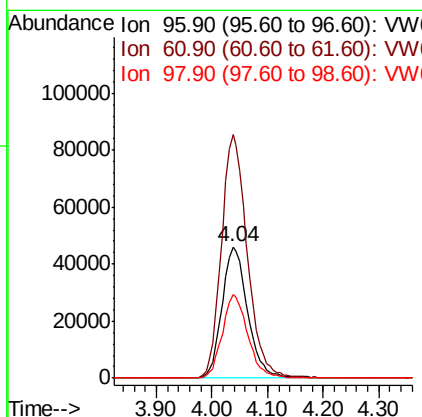
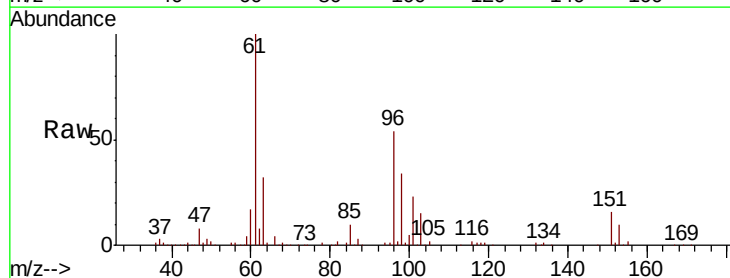
Tgt Ion: 59 Resp: 53667
 Ion Ratio Lower Upper
 59 100
 57 4.9 8.5 12.7#

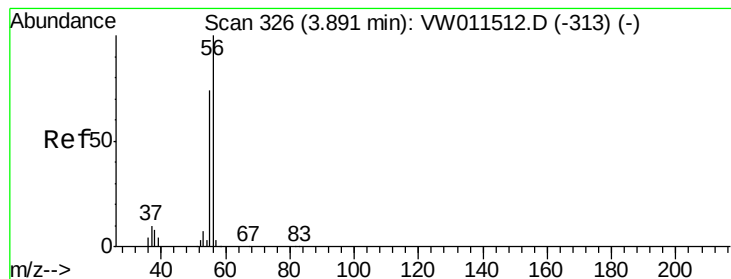


#12

1,1-Dichloroethene
 Concen: 54.995 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW012034.D
 Acq: 20 Aug 2019 16:27

Tgt Ion: 96 Resp: 147198
 Ion Ratio Lower Upper
 96 100
 61 185.1 149.9 224.9
 98 63.1 49.1 73.7





#13

Acrolein

Concen: 238.285 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

Instrument :

MSVOA_W

ClientSampleId :

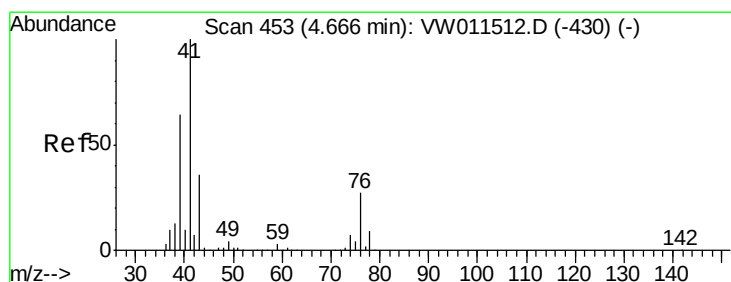
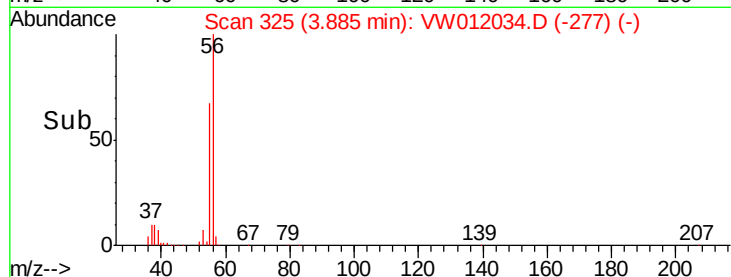
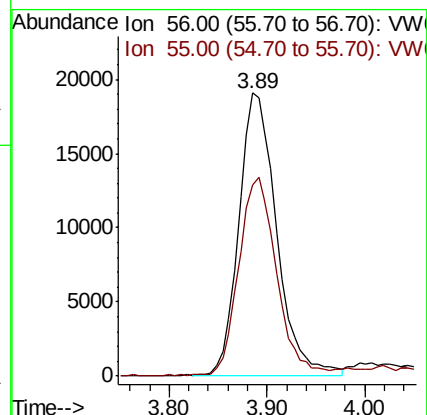
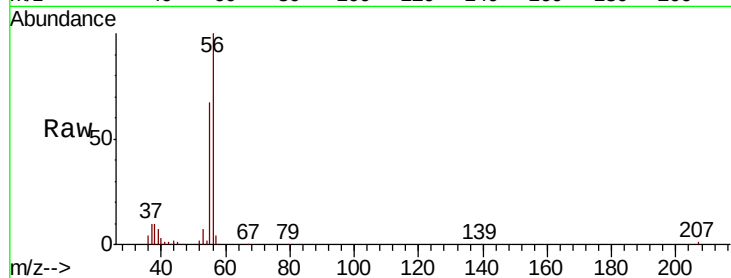
VSTDCCC050

Tgt Ion: 56 Resp: 50457

Ion Ratio Lower Upper

56 100

55 70.6 56.0 84.0



#14

Allyl chloride

Concen: 54.320 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

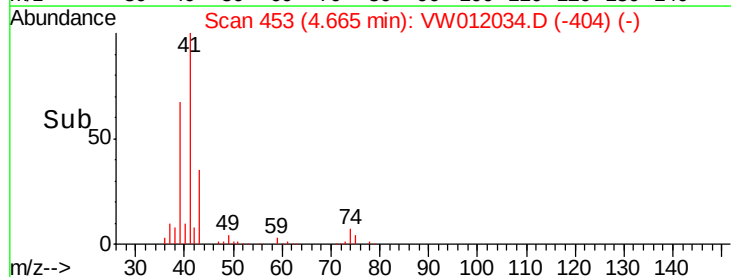
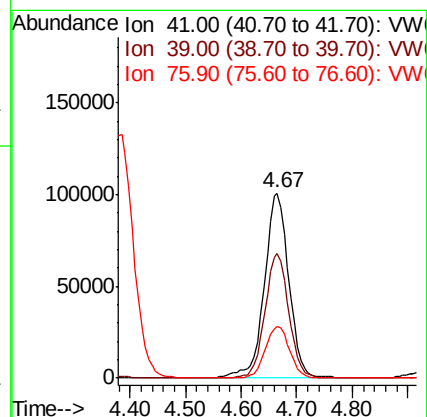
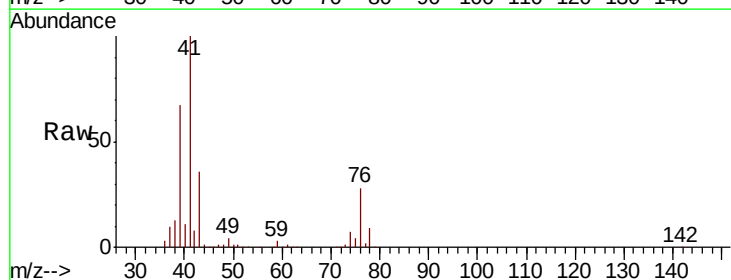
Tgt Ion: 41 Resp: 309232

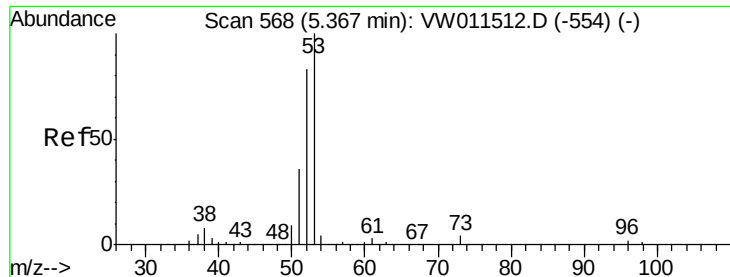
Ion Ratio Lower Upper

41 100

39 65.8 52.6 78.8

76 27.9 22.0 33.0





#15

Acrylonitrile

Concen: 264.765 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

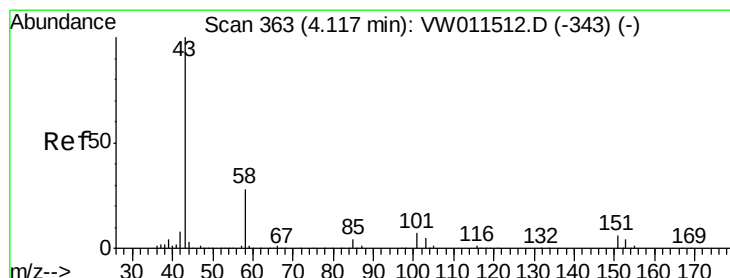
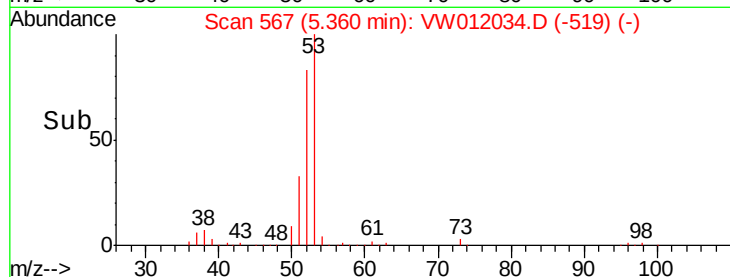
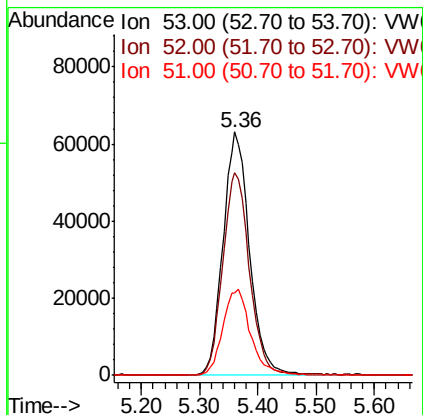
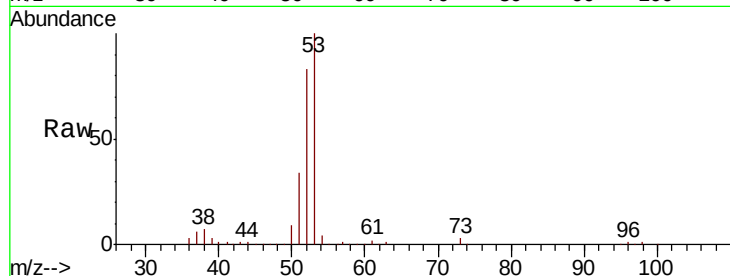
Tgt Ion: 53 Resp: 200255

Ion Ratio Lower Upper

53 100

52 83.7 67.2 100.8

51 36.7 30.0 45.0



#16

Acetone

Concen: 236.550 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW012034.D

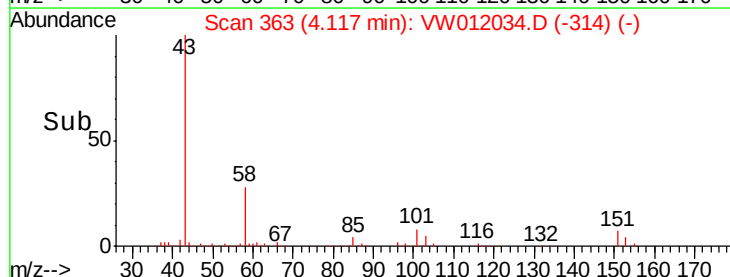
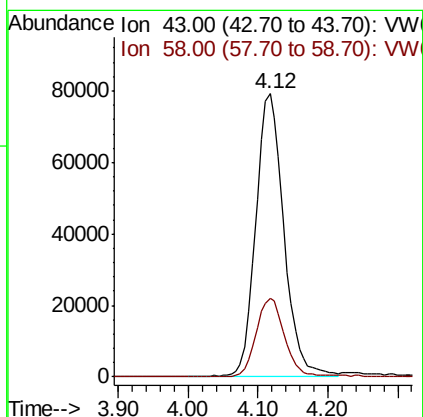
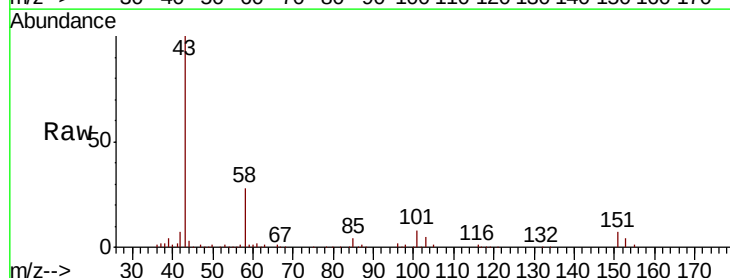
Acq: 20 Aug 2019 16:27

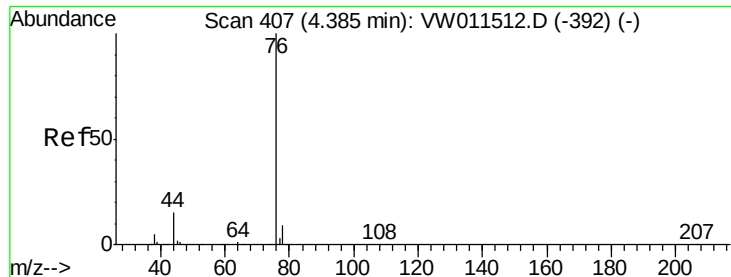
Tgt Ion: 43 Resp: 222059

Ion Ratio Lower Upper

43 100

58 27.8 22.3 33.5





#17

Carbon Disulfide

Concen: 50.513 ug/l

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

Instrument :

MSVOA_W

ClientSampleId :

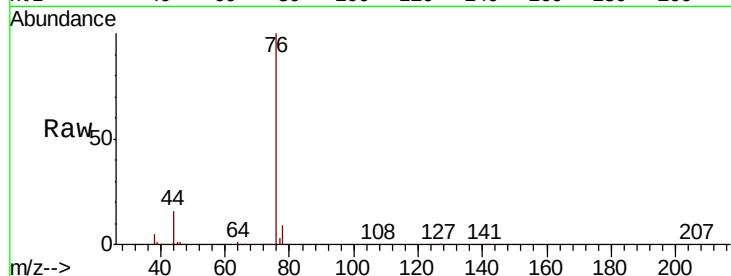
VSTDCCC050

Tgt Ion: 76 Resp: 423159

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.38

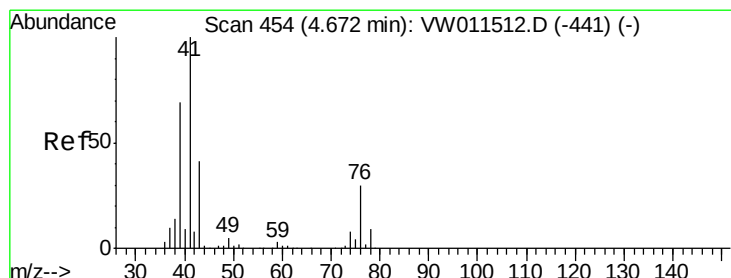
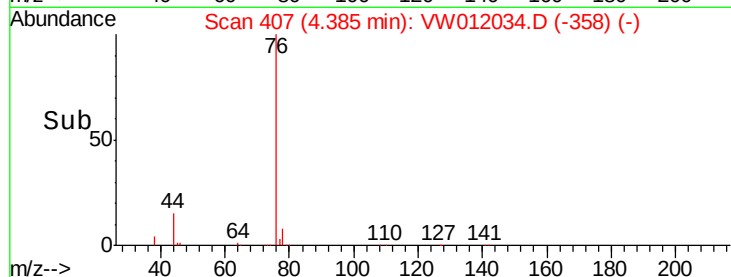
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 50.505 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW012034.D

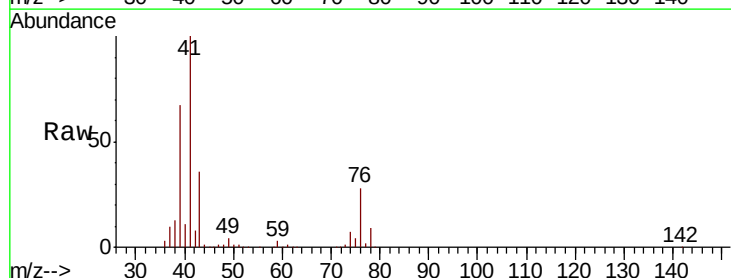
Acq: 20 Aug 2019 16:27

Tgt Ion: 43 Resp: 106508

Ion Ratio Lower Upper

43 100

74 19.6 15.9 23.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

40000

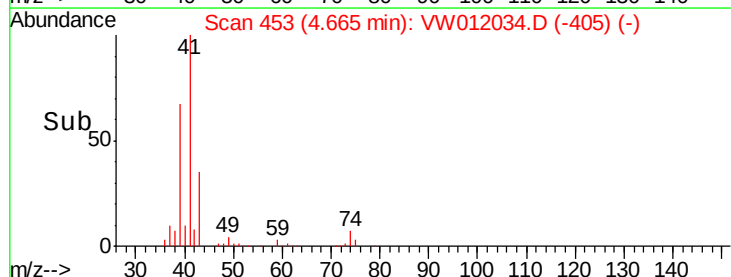
30000

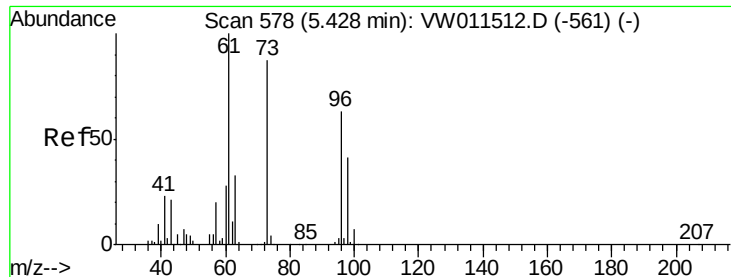
20000

10000

0

Time-->

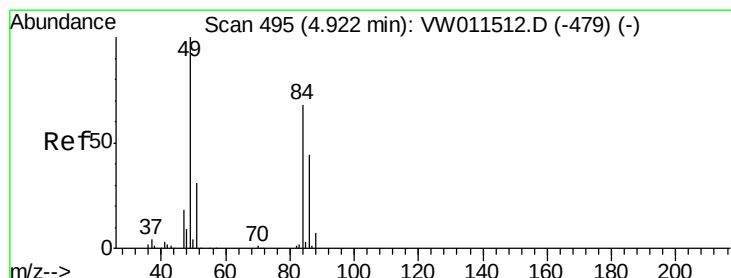
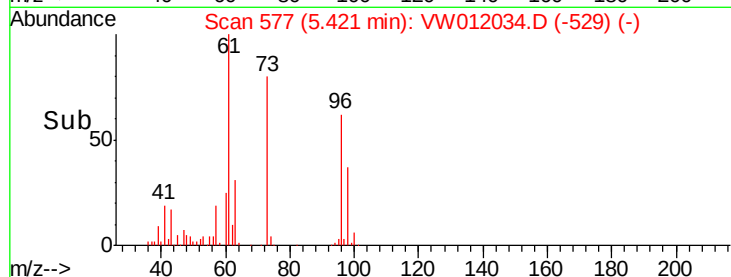
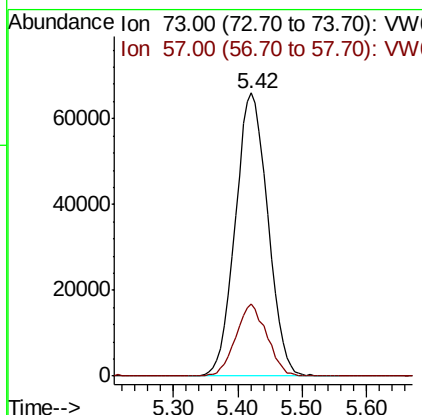
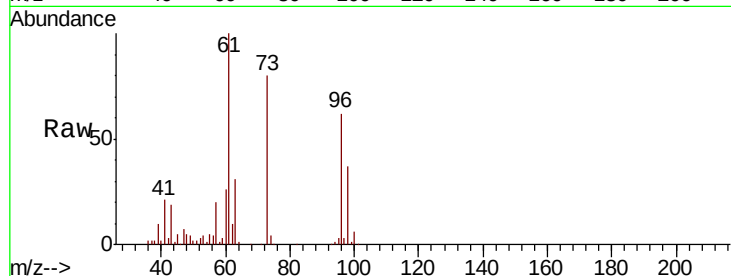




#19
Methyl tert-butyl Ether
Concen: 54.154 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012034.D
Acq: 20 Aug 2019 16:27

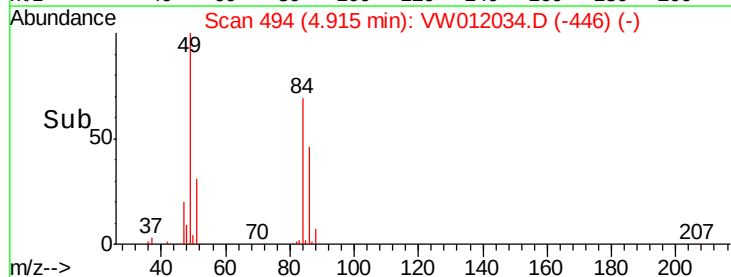
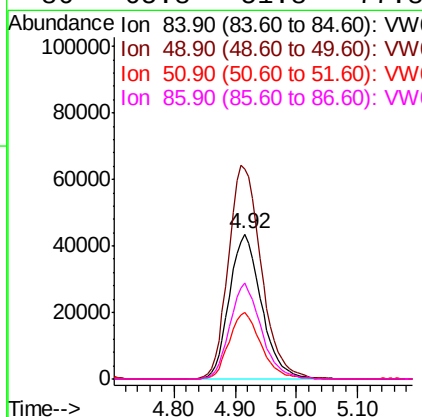
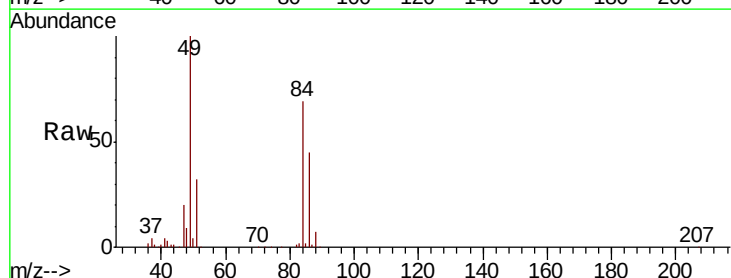
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

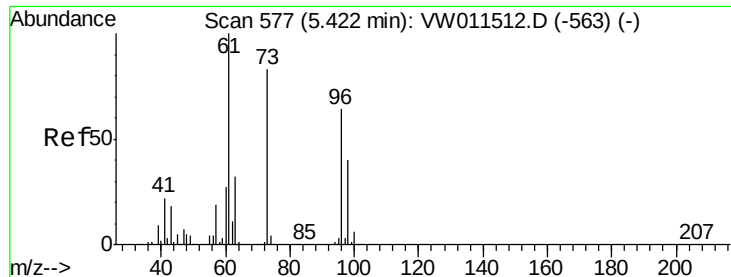
Tgt Ion: 73 Resp: 230014
Ion Ratio Lower Upper
73 100
57 25.4 18.4 27.6



#20
Methylene Chloride
Concen: 48.811 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012034.D
Acq: 20 Aug 2019 16:27

Tgt Ion: 84 Resp: 158027
Ion Ratio Lower Upper
84 100
49 145.0 117.8 176.6
51 45.7 37.0 55.4
86 65.8 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 52.960 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

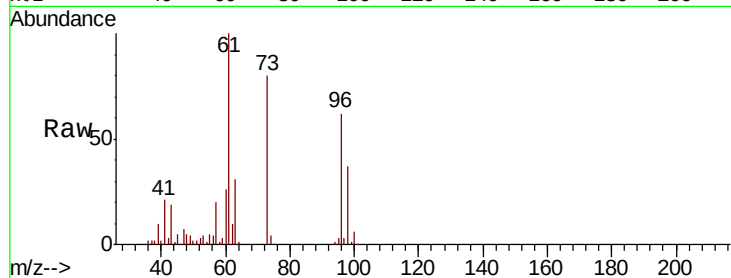
Tgt Ion: 96 Resp: 152824

Ion Ratio Lower Upper

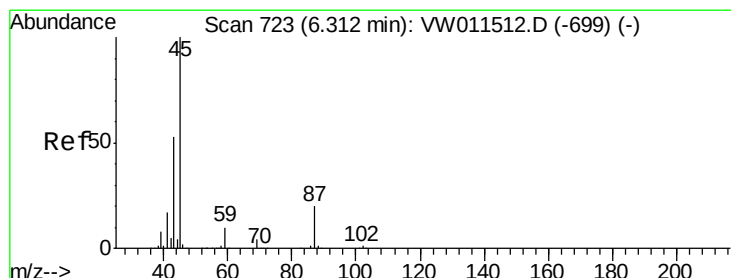
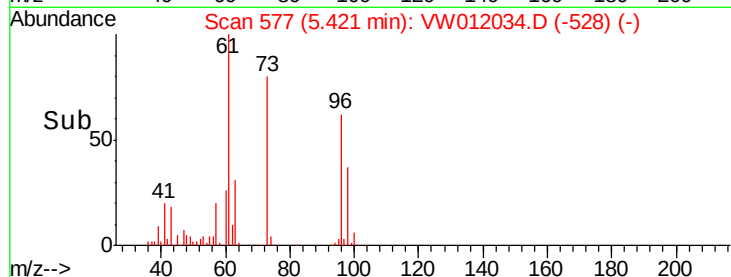
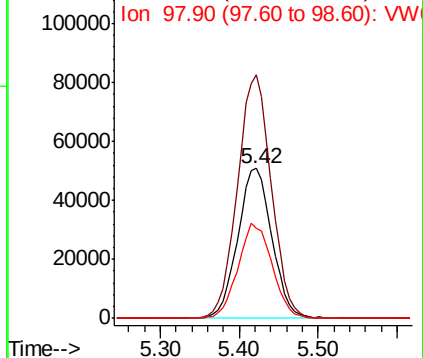
96 100

61 162.4 125.7 188.5

98 60.1 50.3 75.5



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



#22

Diisopropyl ether

Concen: 52.832 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

Tgt Ion: 45 Resp: 567052

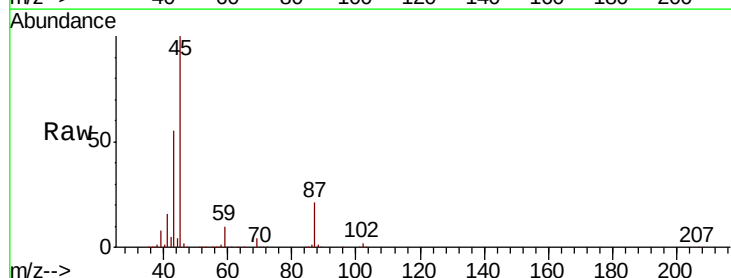
Ion Ratio Lower Upper

45 100

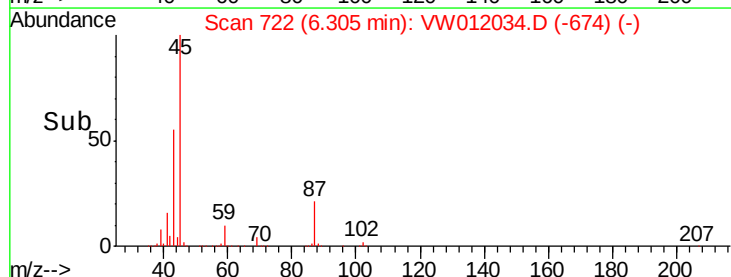
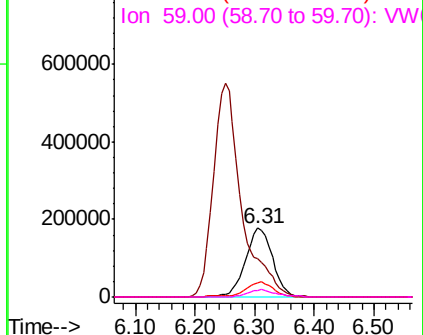
43 54.8 42.6 63.8

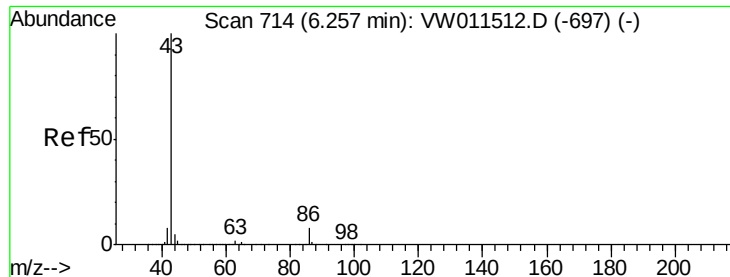
87 20.5 16.4 24.6

59 9.8 8.2 12.2



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





#23

Vinyl Acetate

Concen: 267.721 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

Instrument :

MSVOA_W

ClientSampleId :

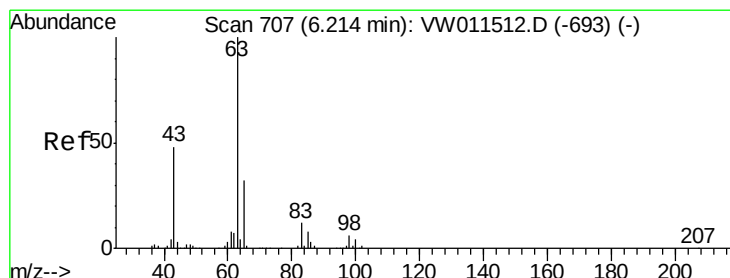
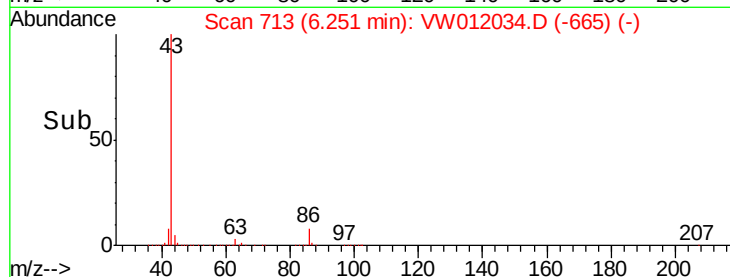
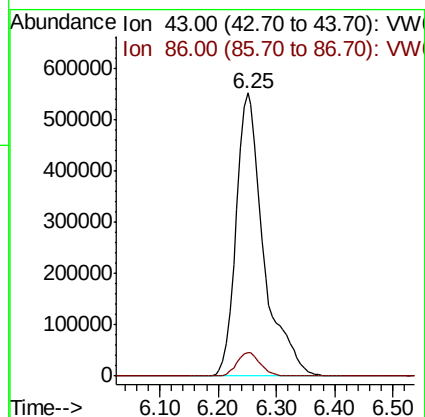
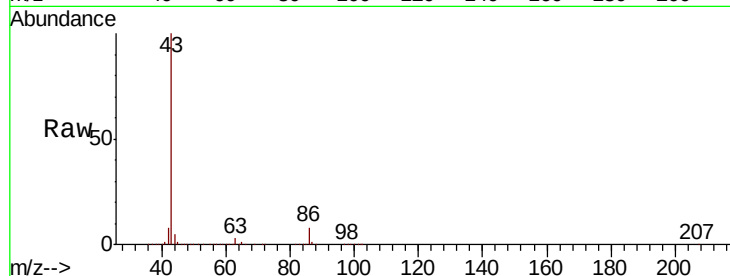
VSTDCCC050

Tgt Ion: 43 Resp: 1805559

Ion Ratio Lower Upper

43 100

86 8.3 6.5 9.7



#24

1,1-Dichloroethane

Concen: 53.700 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

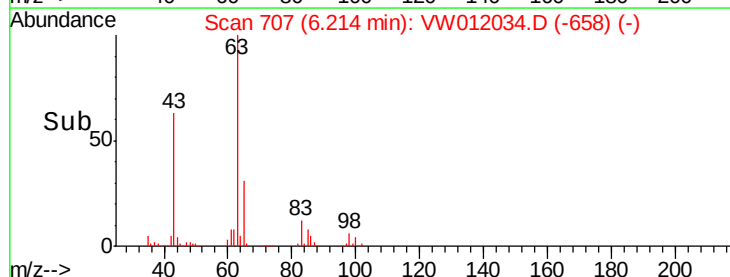
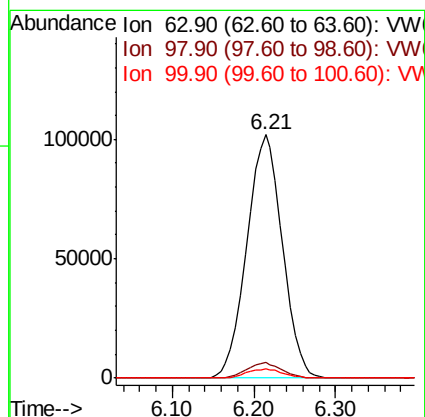
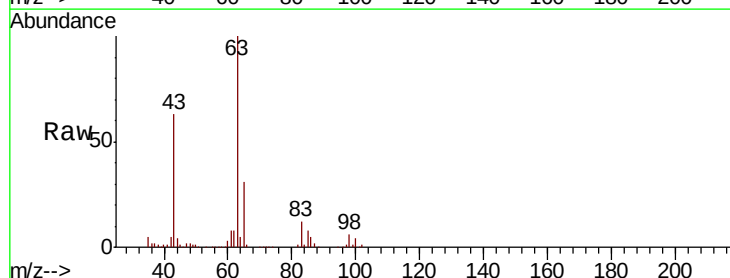
Tgt Ion: 63 Resp: 308683

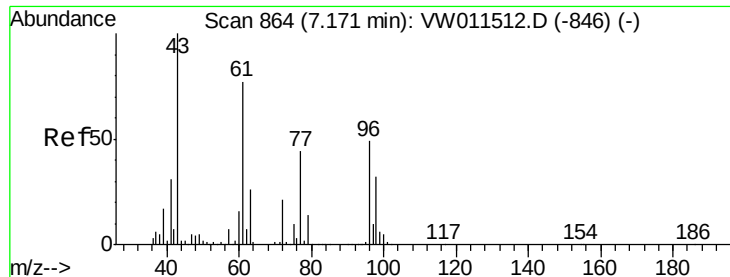
Ion Ratio Lower Upper

63 100

98 6.3 2.9 8.8

100 4.1 2.1 6.3





#25

2-Butanone

Concen: 244.598 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

Instrument :

MSVOA_W

ClientSampleId :

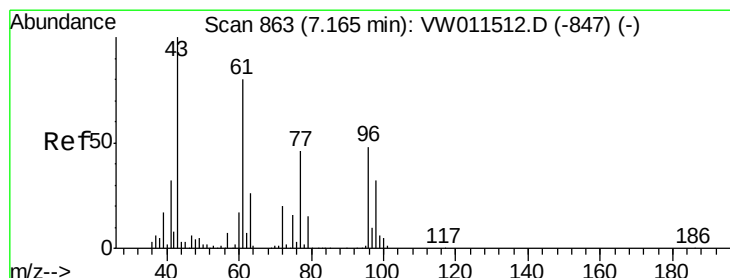
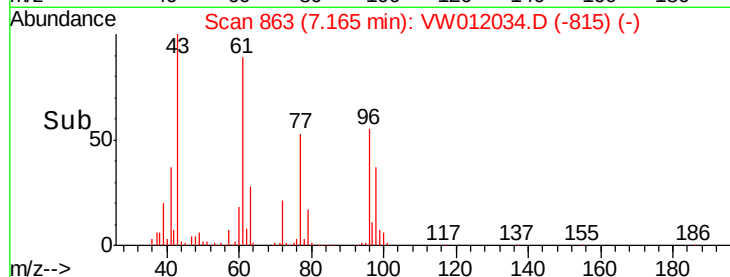
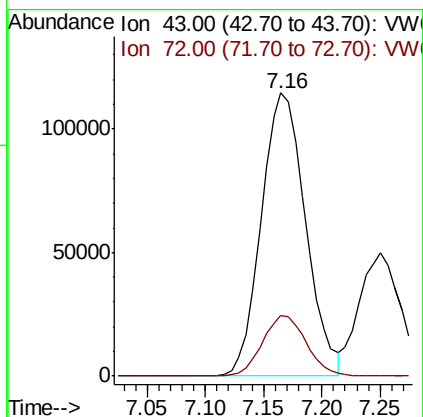
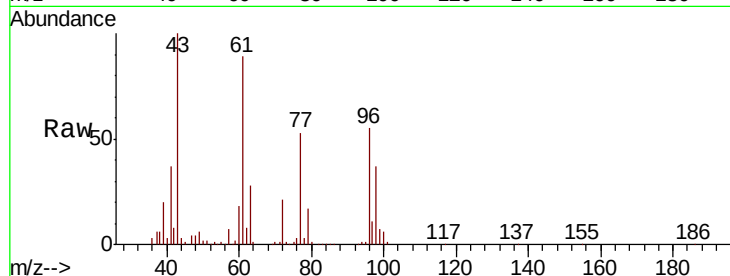
VSTDCCC050

Tgt Ion: 43 Resp: 300457

Ion Ratio Lower Upper

43 100

72 21.4 16.6 24.8



#26

2,2-Dichloropropane

Concen: 49.621 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012034.D

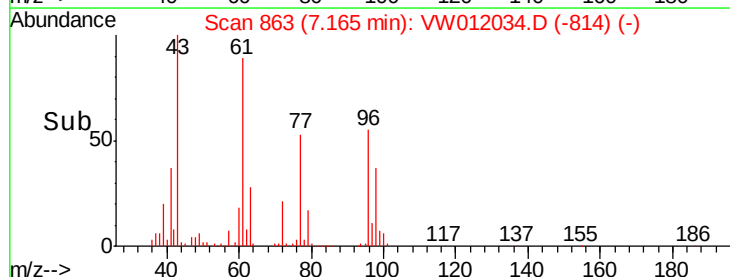
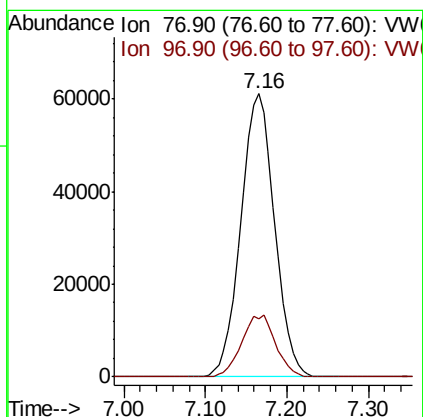
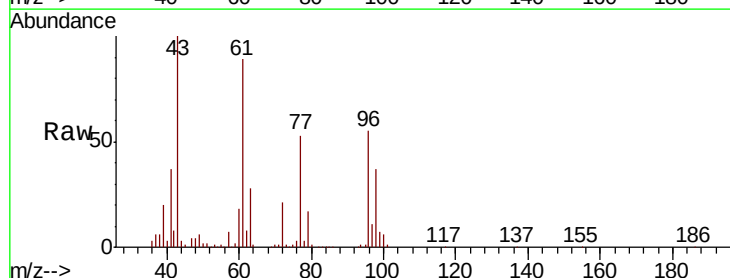
Acq: 20 Aug 2019 16:27

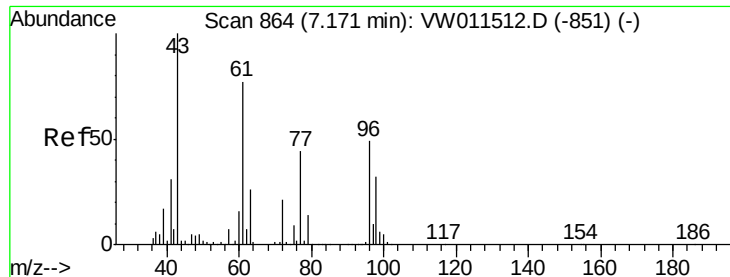
Tgt Ion: 77 Resp: 175416

Ion Ratio Lower Upper

77 100

97 22.0 10.8 32.4



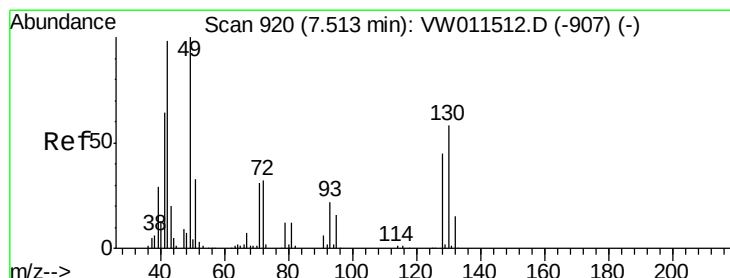
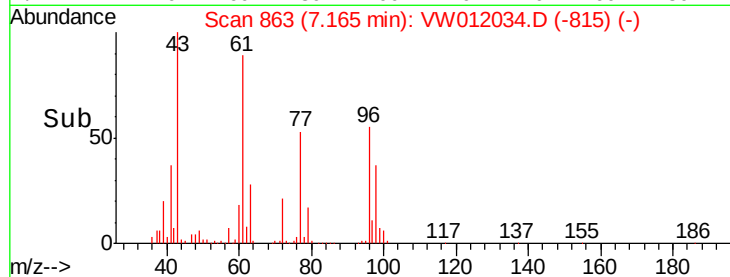
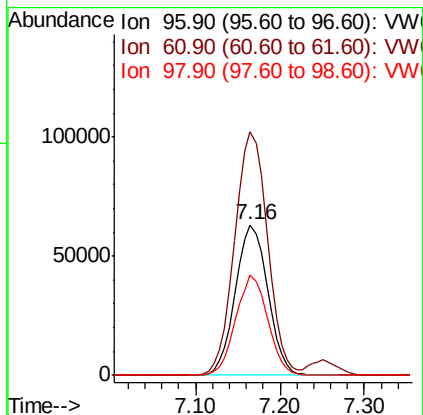
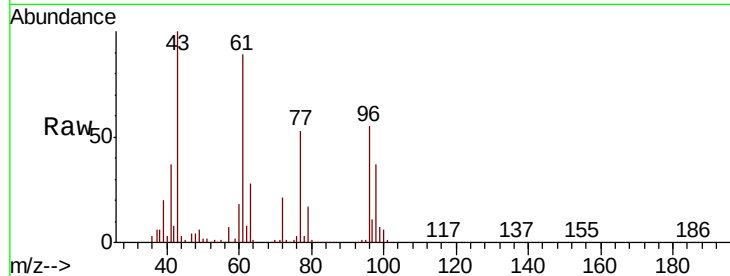


#27

cis-1,2-Dichloroethene
Concen: 52.020 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012034.D
Acq: 20 Aug 2019 16:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

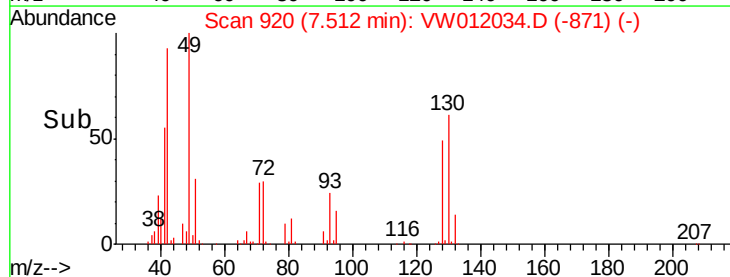
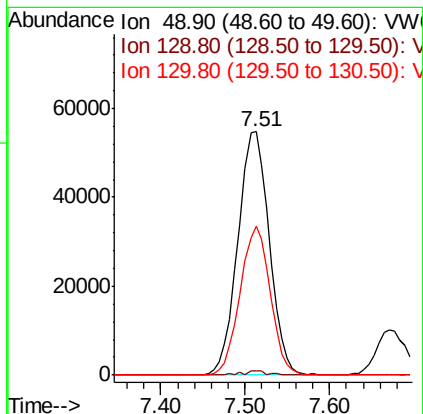
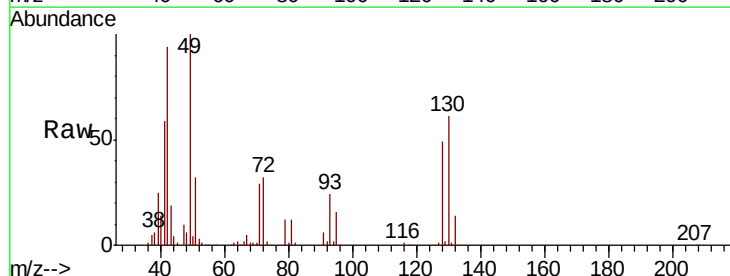
Tgt Ion: 96 Resp: 165212
Ion Ratio Lower Upper
96 100
61 163.4 0.0 328.4
98 65.3 0.0 128.8

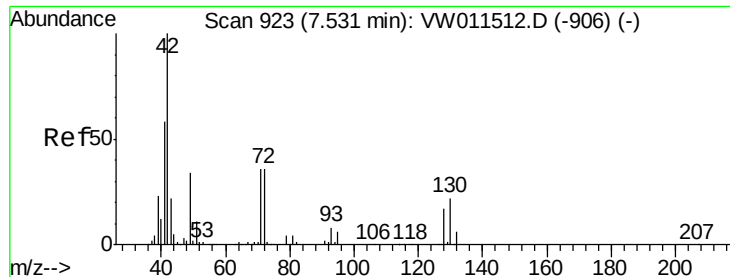


#28

Bromochloromethane
Concen: 54.306 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW012034.D
Acq: 20 Aug 2019 16:27

Tgt Ion: 49 Resp: 138558
Ion Ratio Lower Upper
49 100
129 1.3 0.0 1.0#
130 58.7 46.3 69.5

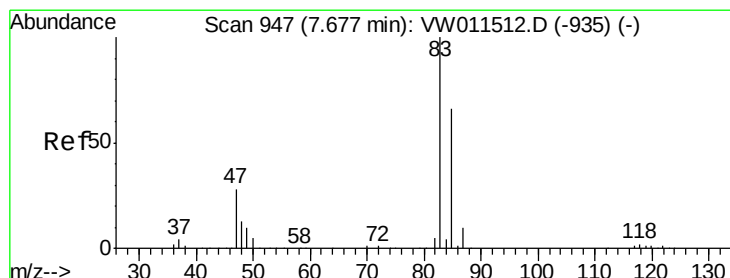
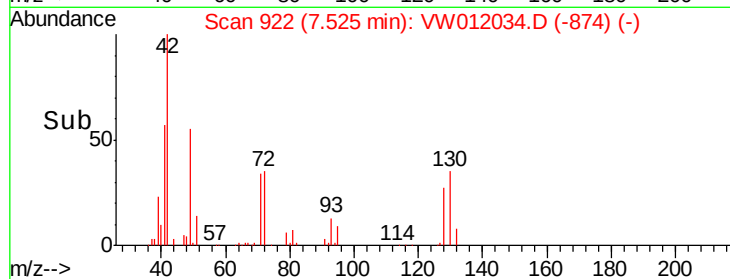
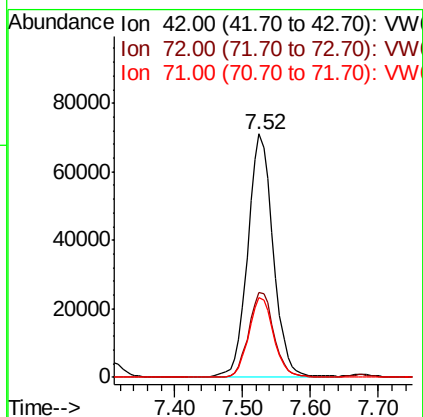
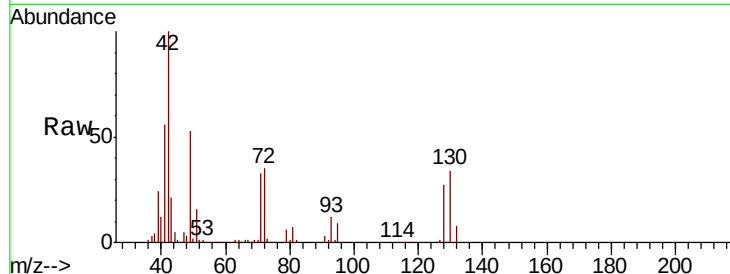




#29
Tetrahydrofuran
Concen: 263.201 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW012034.D
Acq: 20 Aug 2019 16:27

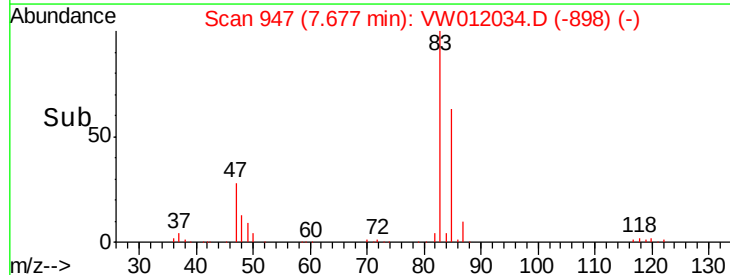
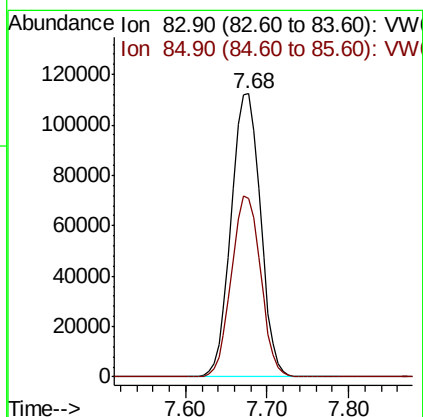
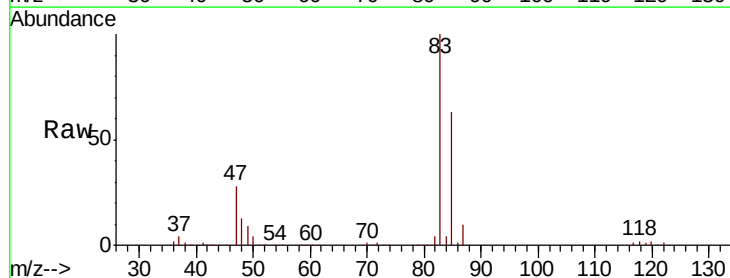
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

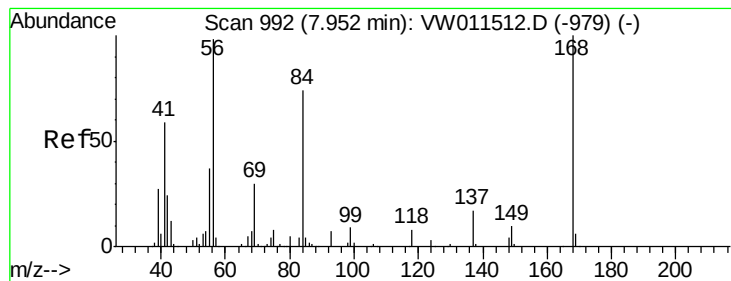
Tgt Ion: 42 Resp: 184806
Ion Ratio Lower Upper
42 100
72 34.8 27.1 40.7
71 32.3 26.2 39.4



#30
Chloroform
Concen: 52.659 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW012034.D
Acq: 20 Aug 2019 16:27

Tgt Ion: 83 Resp: 279262
Ion Ratio Lower Upper
83 100
85 63.2 52.5 78.7





#31

Cyclohexane

Concen: 51.349 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

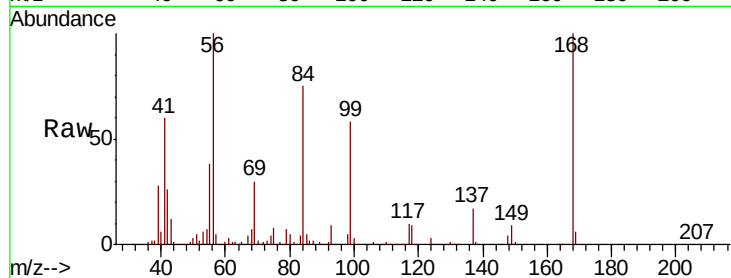
Tgt Ion: 56 Resp: 283335

Ion Ratio Lower Upper

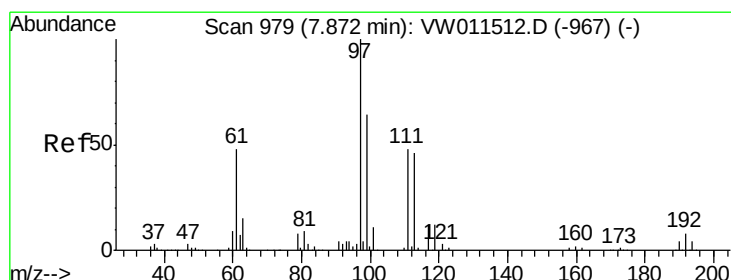
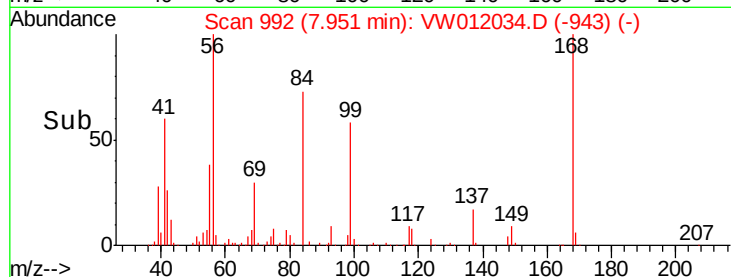
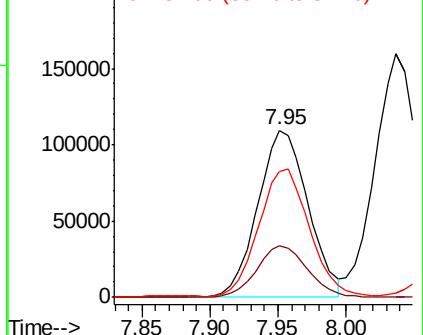
56 100

69 30.6 24.3 36.5

84 74.7 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: 55.221 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

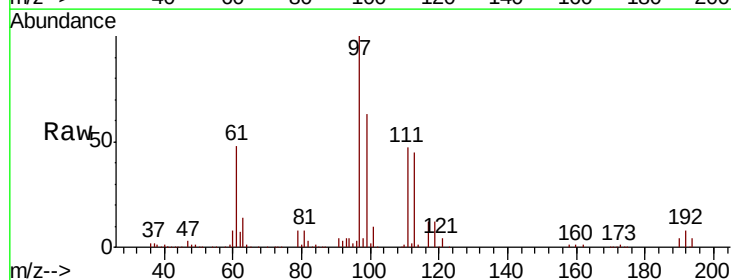
Tgt Ion: 97 Resp: 223023

Ion Ratio Lower Upper

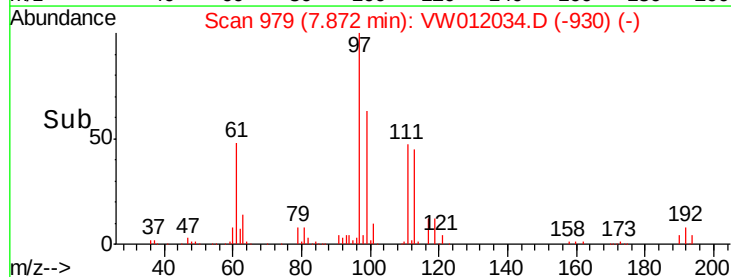
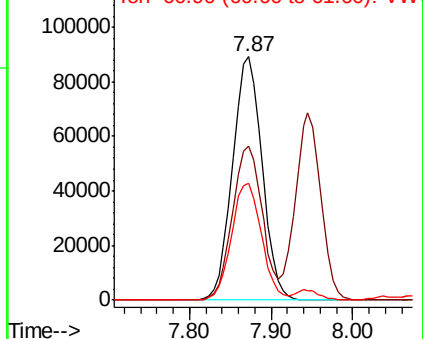
97 100

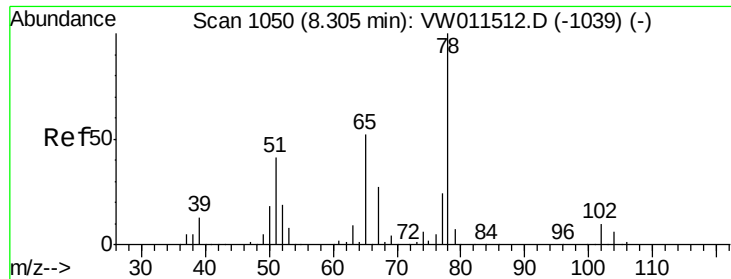
99 64.0 51.0 76.6

61 48.9 39.8 59.6



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

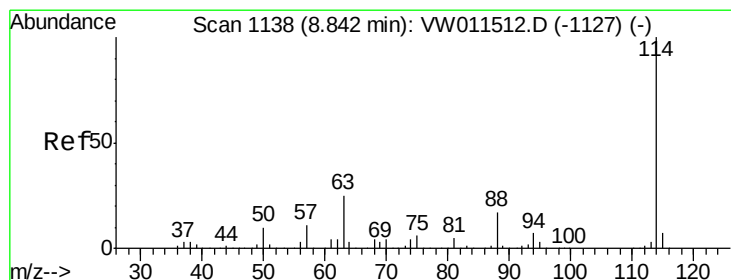
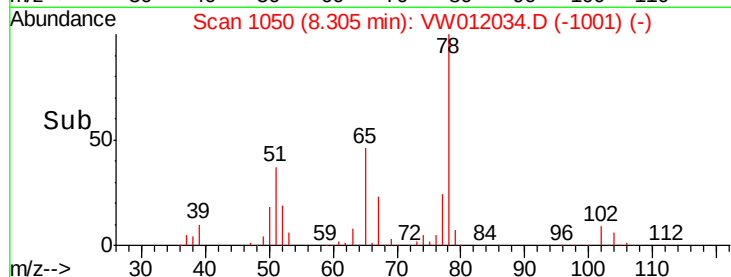
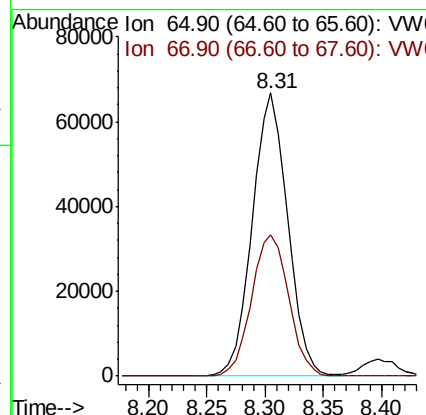
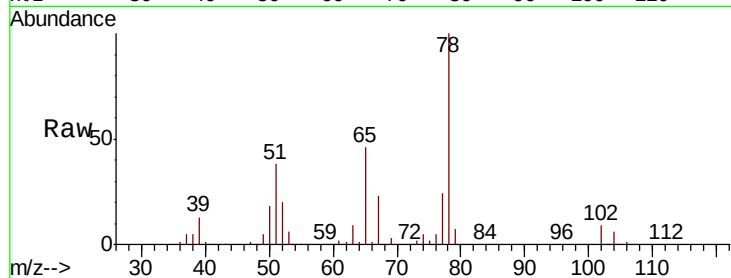




#33
 1,2-Dichloroethane-d4
 Concen: 48.155 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012034.D
 Acq: 20 Aug 2019 16:27

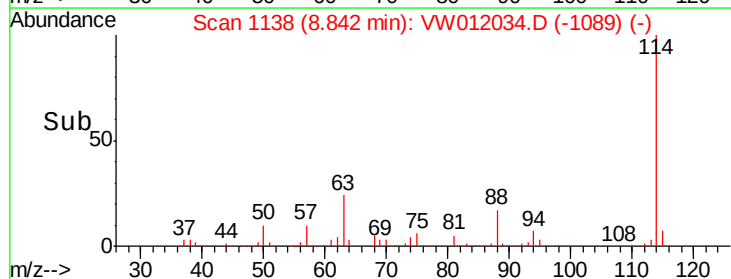
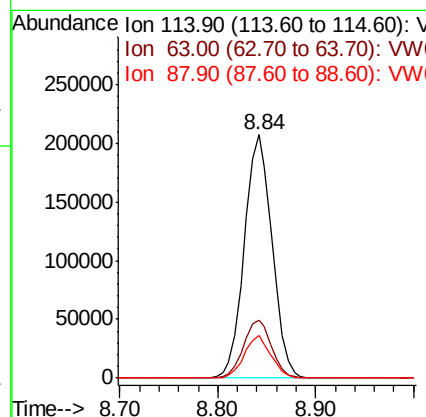
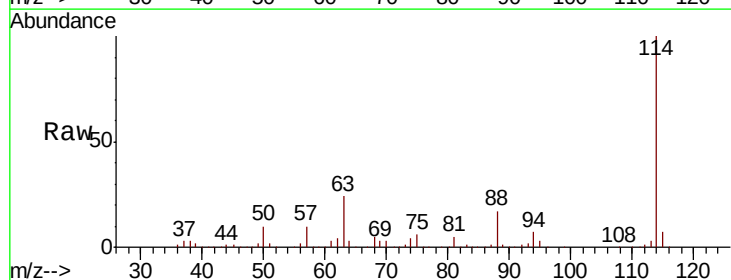
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

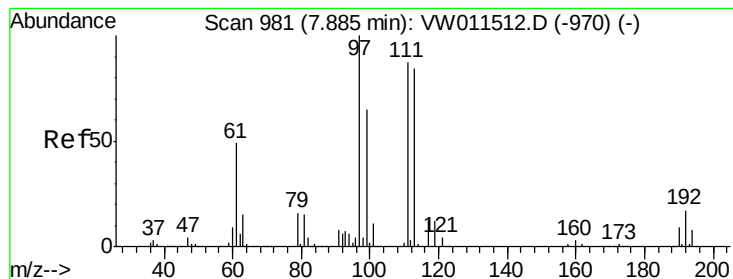
Tgt Ion: 65 Resp: 142112
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012034.D
 Acq: 20 Aug 2019 16:27

Tgt Ion: 114 Resp: 406425
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 49.2
 88 17.4 0.0 33.8





#35

Dibromofluoromethane

Concen: 52.260 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

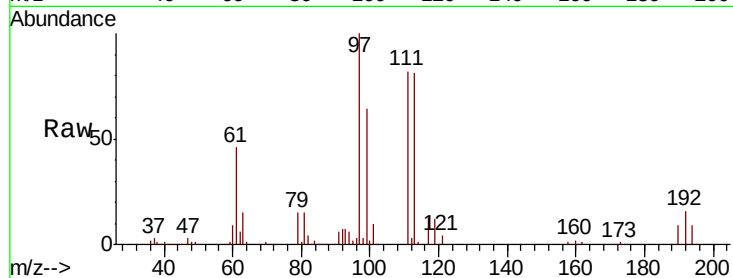
Tgt Ion:113 Resp: 119159

Ion Ratio Lower Upper

113 100

111 103.8 82.7 124.1

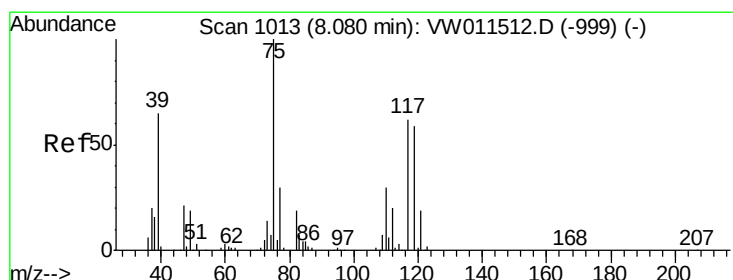
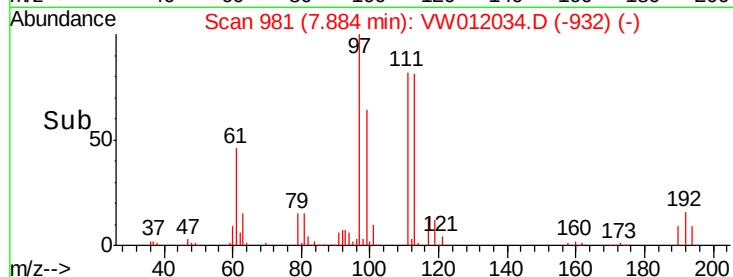
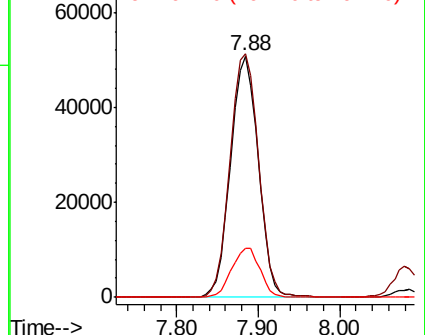
192 20.7 16.1 24.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 55.749 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

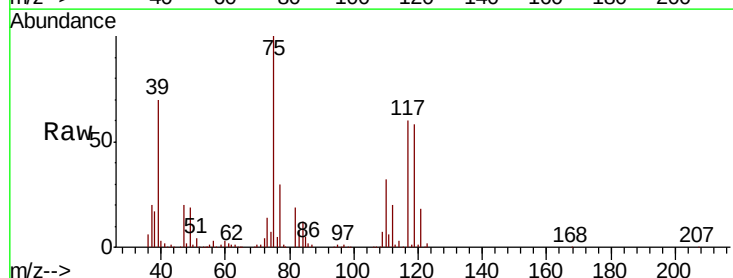
Tgt Ion: 75 Resp: 235601

Ion Ratio Lower Upper

75 100

110 31.7 15.6 46.8

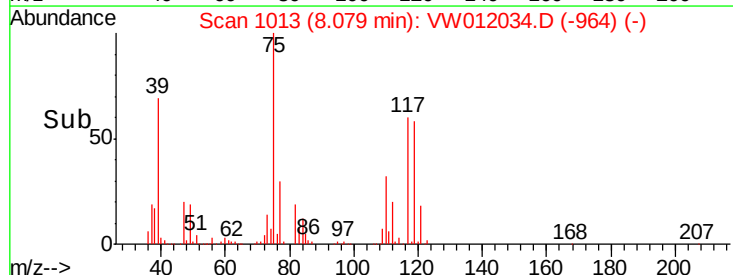
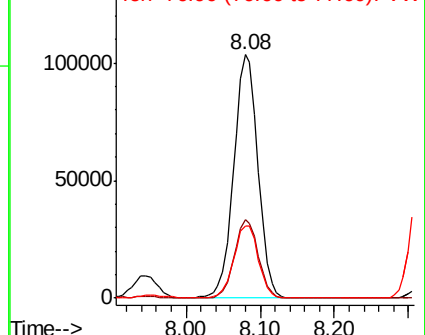
77 30.5 24.3 36.5

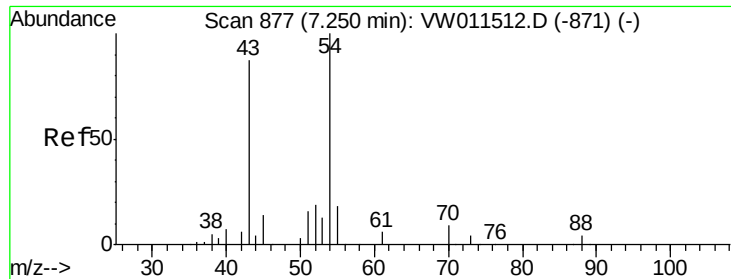


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

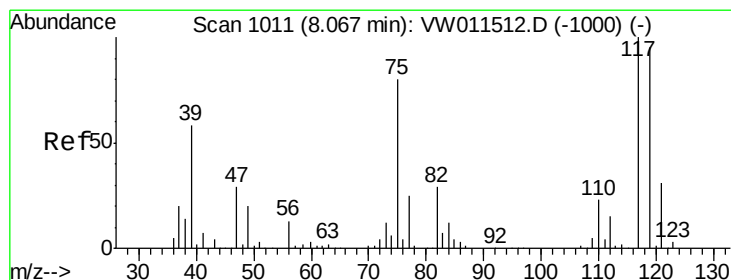
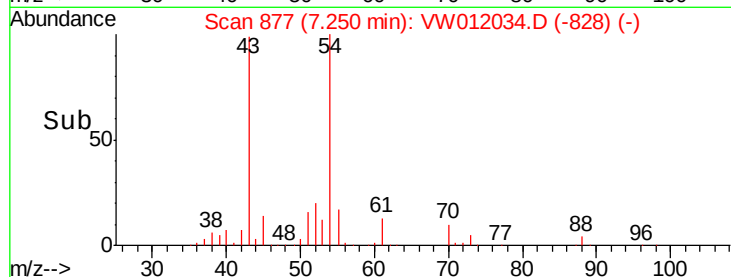
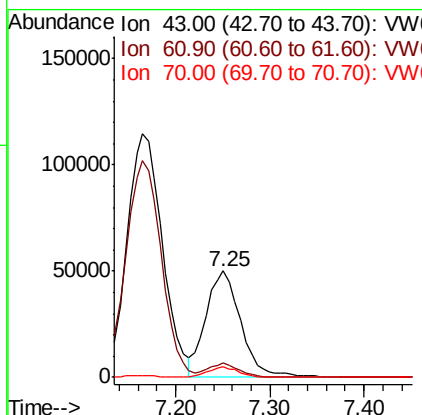
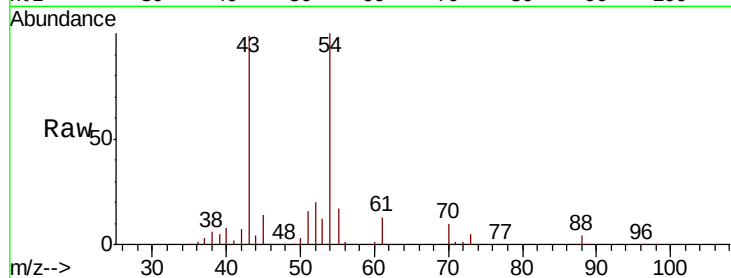




#37
 Ethyl Acetate
 Concen: 52.313 ug/l
 RT: 7.25 min Scan# 877
 Delta R.T. -0.00 min
 Lab File: VW012034.D
 Acq: 20 Aug 2019 16:27

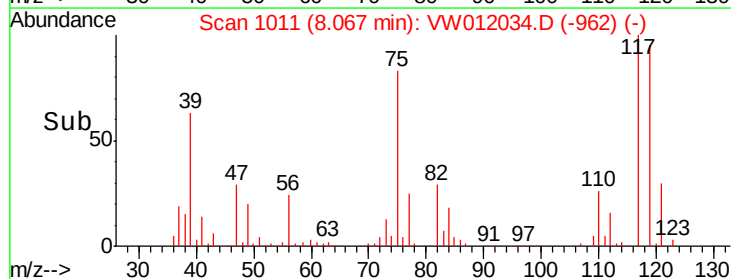
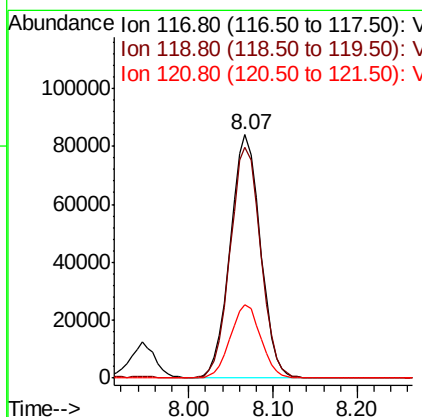
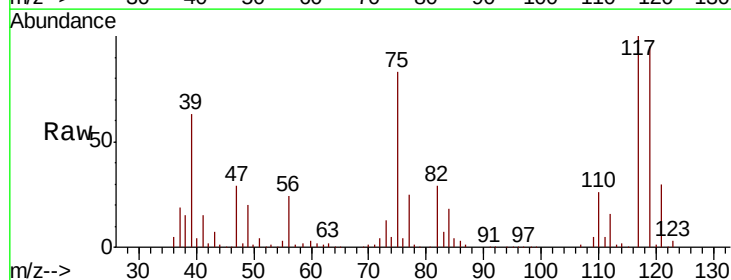
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

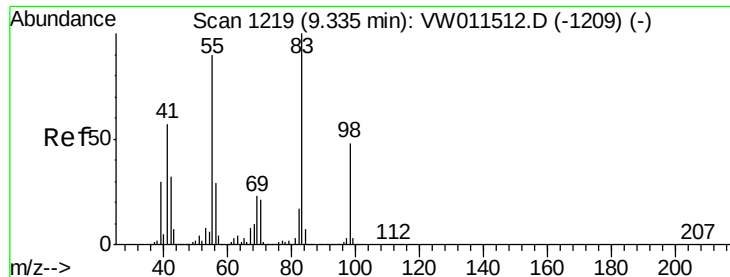
Tgt Ion: 43 Resp: 127193
 Ion Ratio Lower Upper
 43 100
 61 11.9 8.8 13.2
 70 9.1 7.1 10.7



#38
 Carbon Tetrachloride
 Concen: 56.058 ug/l
 RT: 8.07 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: VW012034.D
 Acq: 20 Aug 2019 16:27

Tgt Ion: 117 Resp: 202809
 Ion Ratio Lower Upper
 117 100
 119 94.8 75.8 113.6
 121 30.1 24.7 37.1

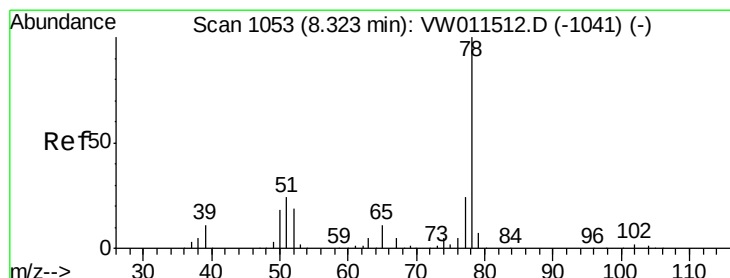
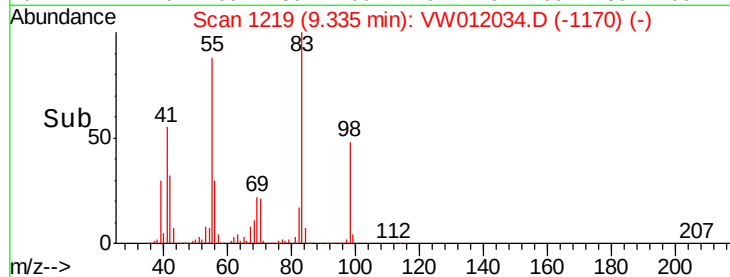
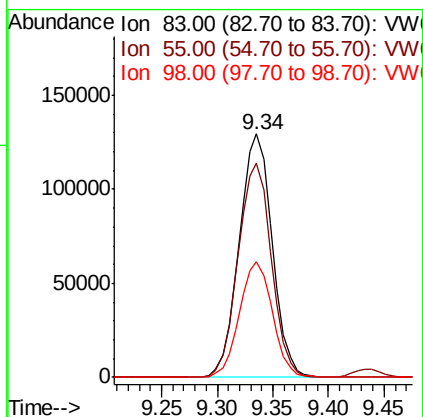
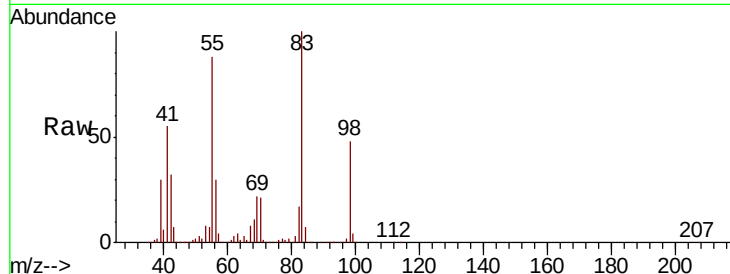




#39
Methylcyclohexane
Concen: 57.367 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012034.D
Acq: 20 Aug 2019 16:27

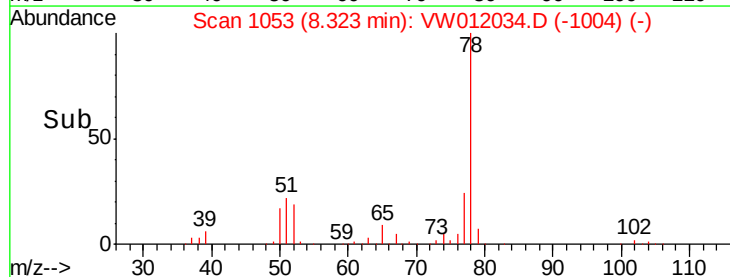
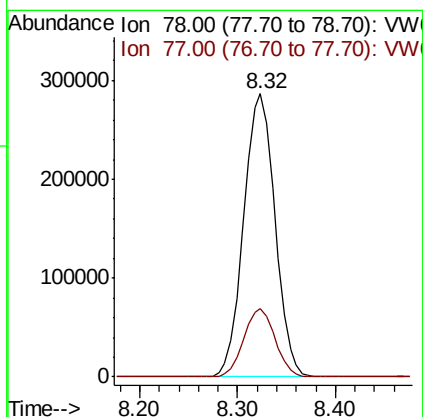
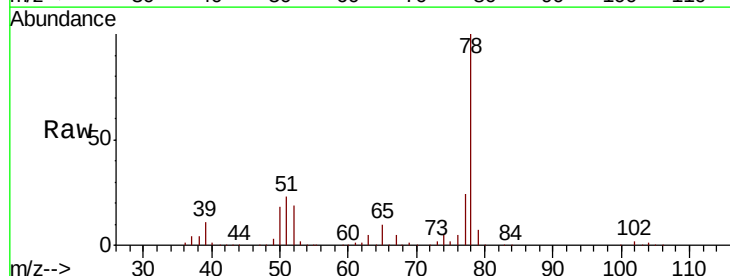
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

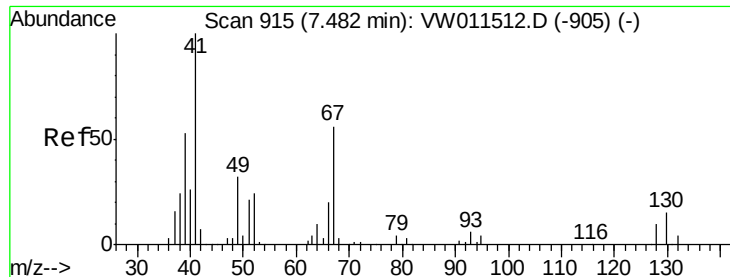
Tgt Ion: 83 Resp: 266954
Ion Ratio Lower Upper
83 100
55 88.1 72.1 108.1
98 47.7 38.6 57.8



#40
Benzene
Concen: 53.731 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012034.D
Acq: 20 Aug 2019 16:27

Tgt Ion: 78 Resp: 636046
Ion Ratio Lower Upper
78 100
77 24.2 19.4 29.0





#41

Methacrylonitrile

Concen: 54.560 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 79298

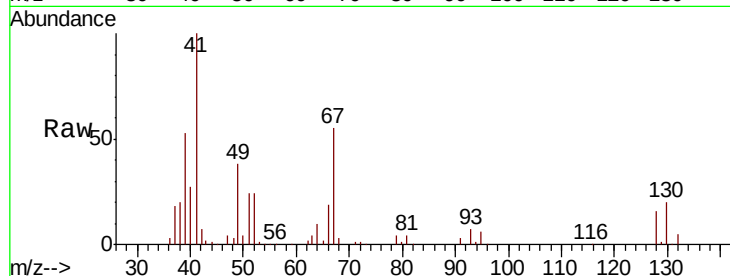
Ion Ratio Lower Upper

41 100

39 53.0 43.0 64.4

67 57.5 47.5 71.3

52 25.9 21.0 31.6

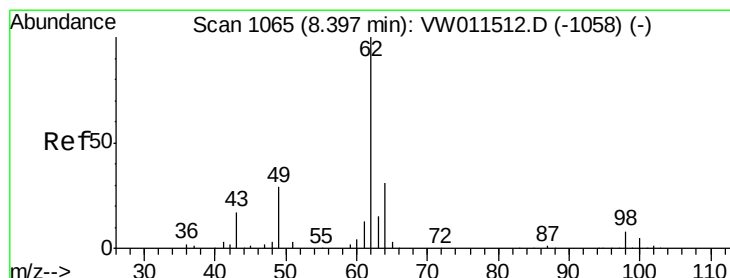
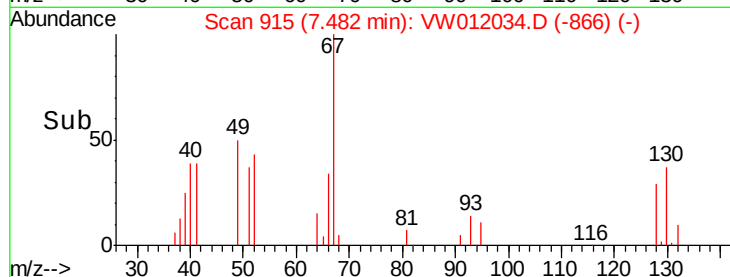
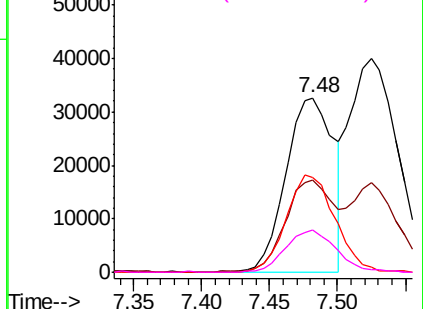


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 52.321 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW012034.D

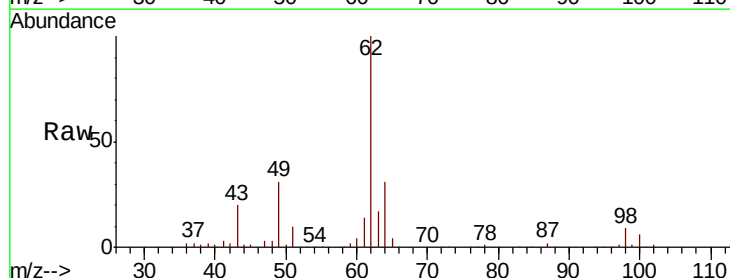
Acq: 20 Aug 2019 16:27

Tgt Ion: 62 Resp: 193911

Ion Ratio Lower Upper

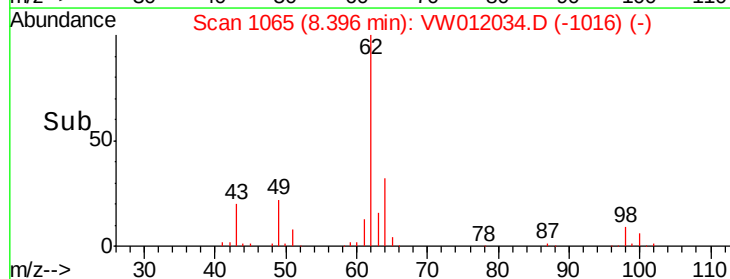
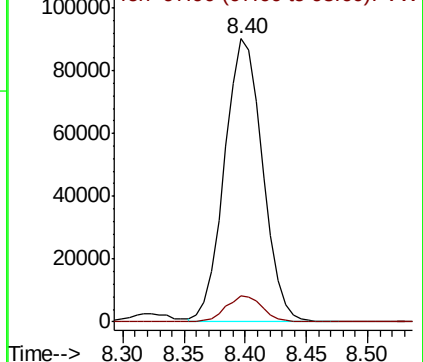
62 100

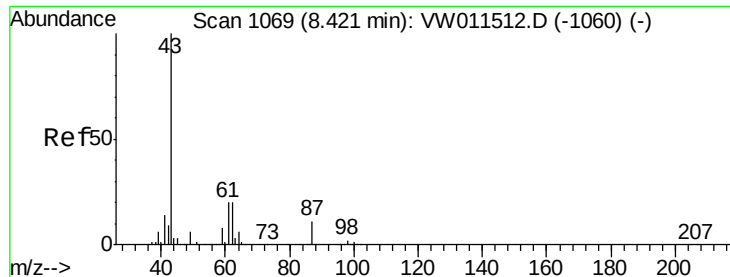
98 8.9 0.0 16.8



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 54.527 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

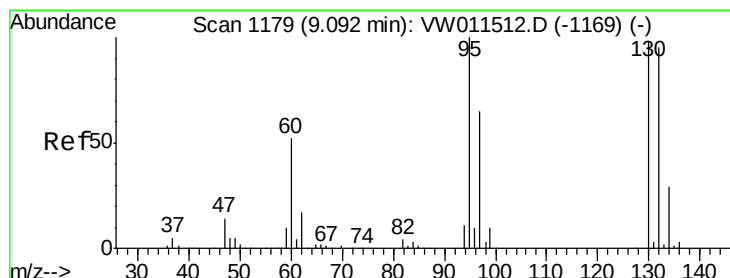
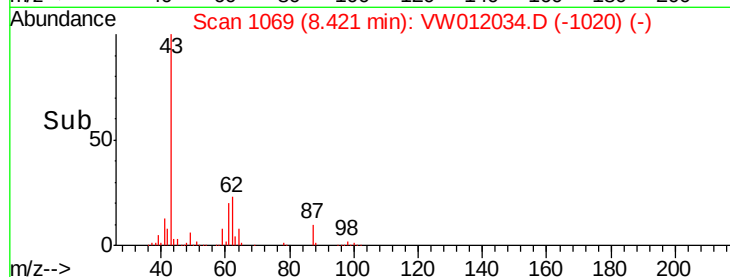
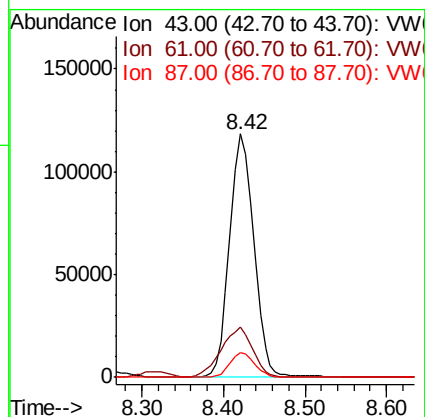
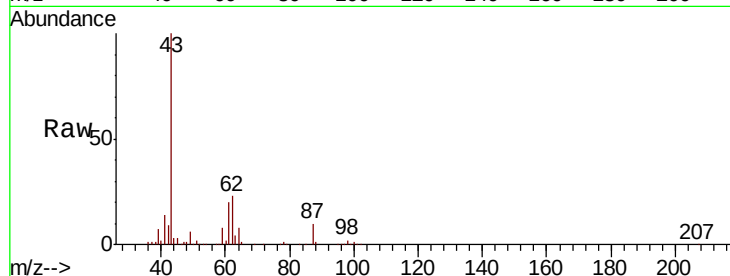
Tgt Ion: 43 Resp: 243815

Ion Ratio Lower Upper

43 100

61 26.7 21.5 32.3

87 10.4 8.4 12.6



#44

Trichloroethene

Concen: 55.511 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW012034.D

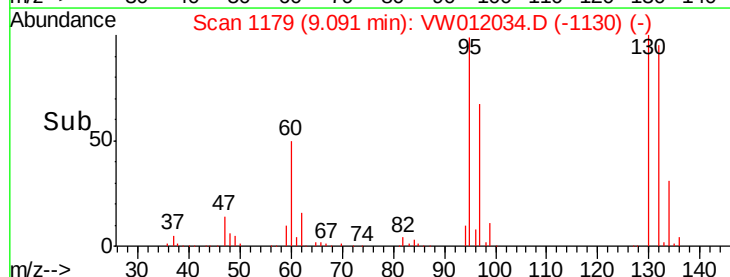
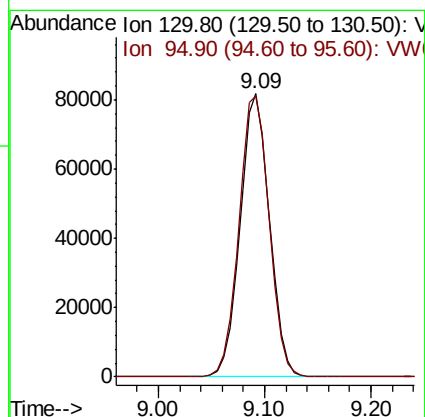
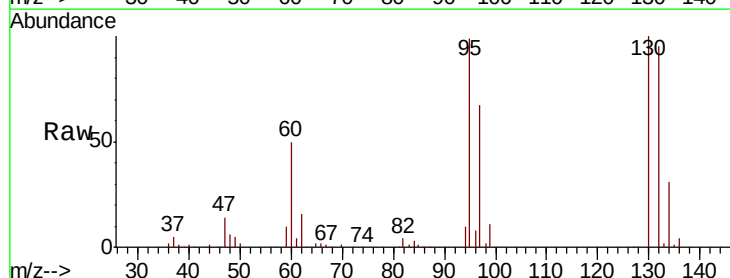
Acq: 20 Aug 2019 16:27

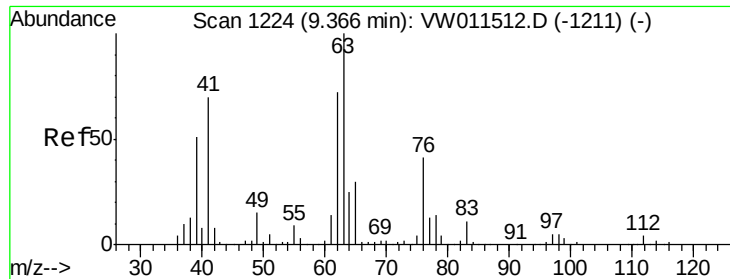
Tgt Ion: 130 Resp: 157936

Ion Ratio Lower Upper

130 100

95 99.1 0.0 204.8

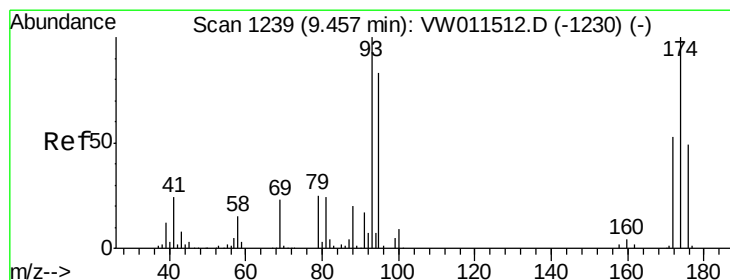
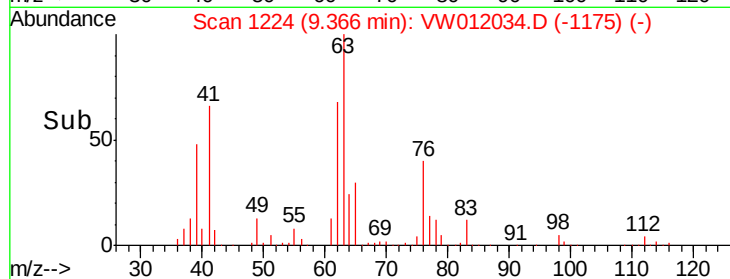
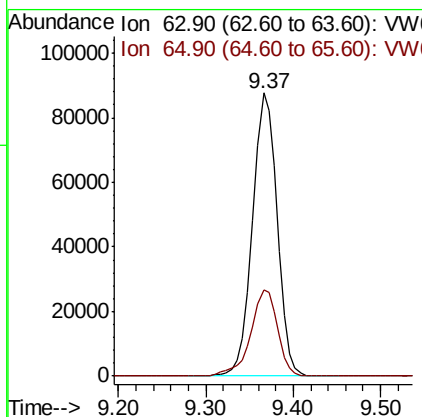
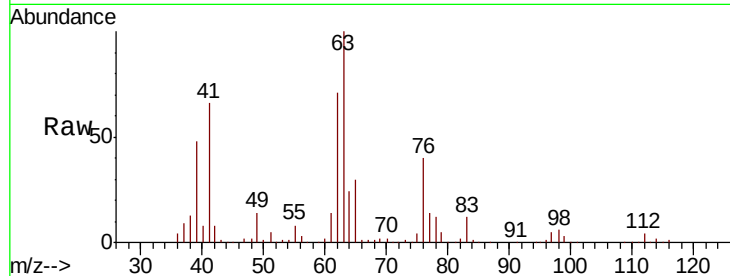




#45
 1,2-Dichloropropane
 Concen: 54.236 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012034.D
 Acq: 20 Aug 2019 16:27

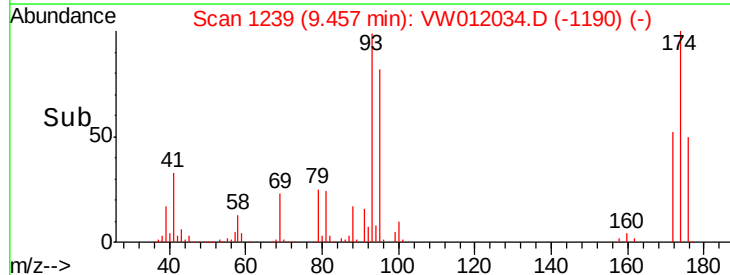
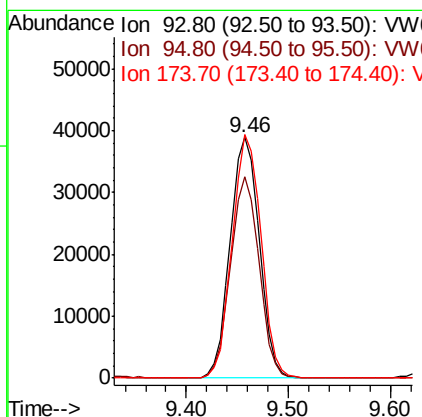
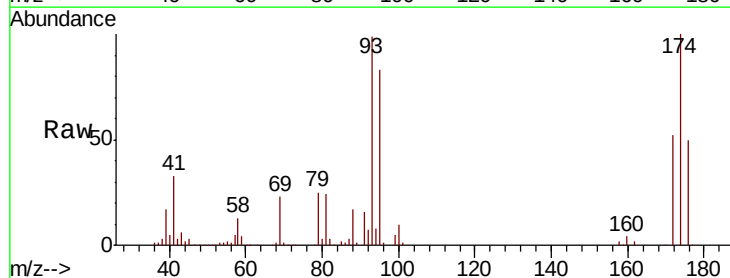
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

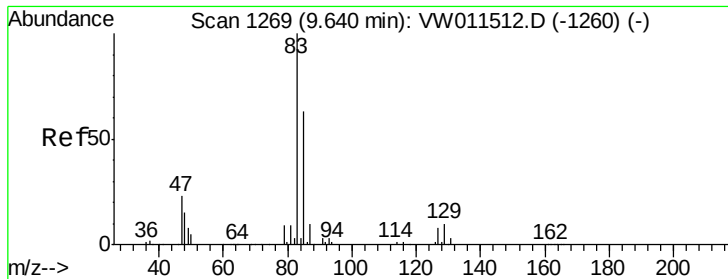
Tgt Ion: 63 Resp: 171783
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.2 36.4



#46
 Dibromomethane
 Concen: 53.266 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012034.D
 Acq: 20 Aug 2019 16:27

Tgt Ion: 93 Resp: 77002
 Ion Ratio Lower Upper
 93 100
 95 81.9 66.2 99.2
 174 100.2 78.2 117.4

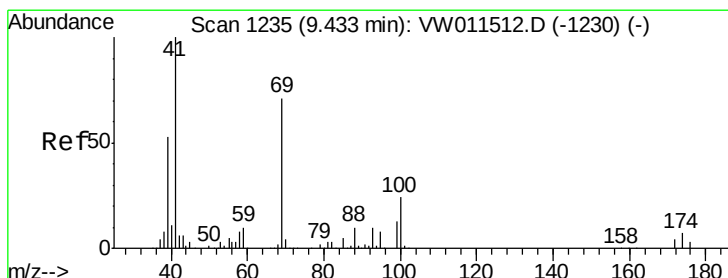
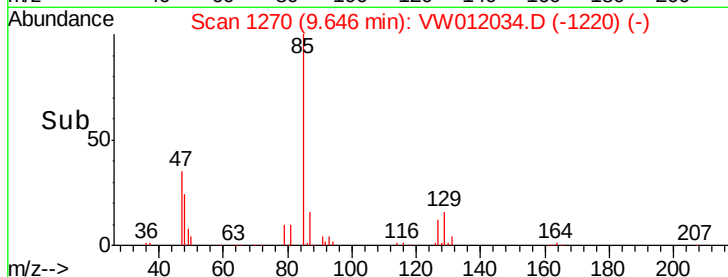
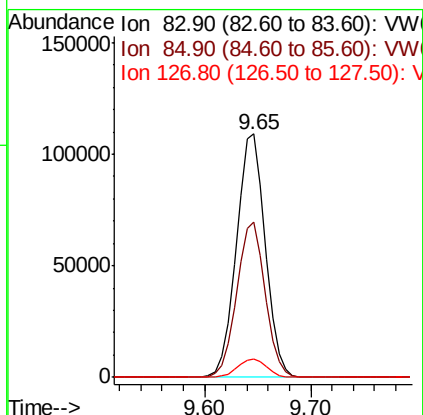
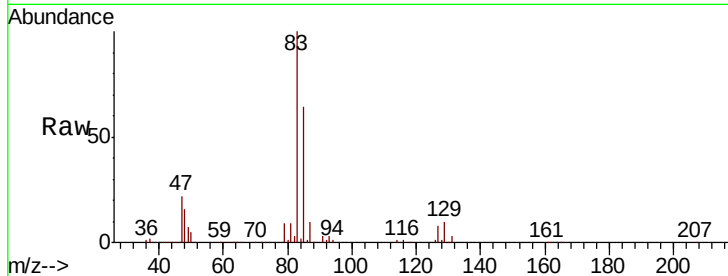




#47
 Bromodichloromethane
 Concen: 54.682 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VW012034.D
 Acq: 20 Aug 2019 16:27

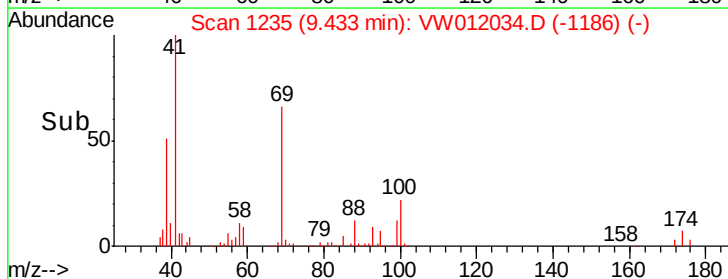
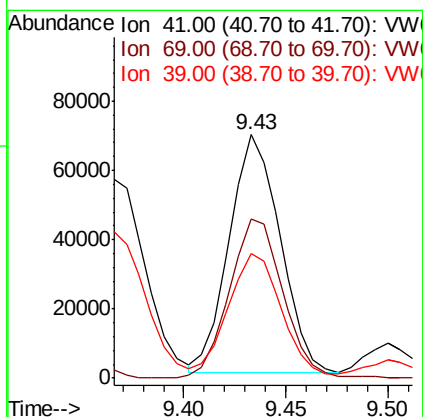
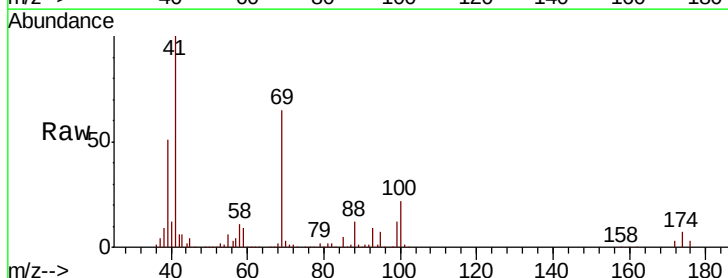
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

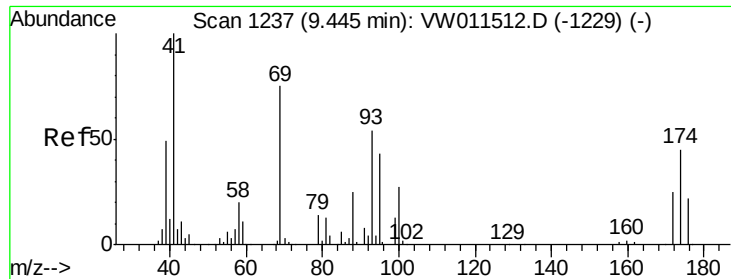
Tgt Ion: 83 Resp: 207358
 Ion Ratio Lower Upper
 83 100
 85 63.7 50.5 75.7
 127 7.7 6.4 9.6



#48
 Methyl methacrylate
 Concen: 55.208 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW012034.D
 Acq: 20 Aug 2019 16:27

Tgt Ion: 41 Resp: 118583
 Ion Ratio Lower Upper
 41 100
 69 70.7 57.1 85.7
 39 52.0 45.4 68.2

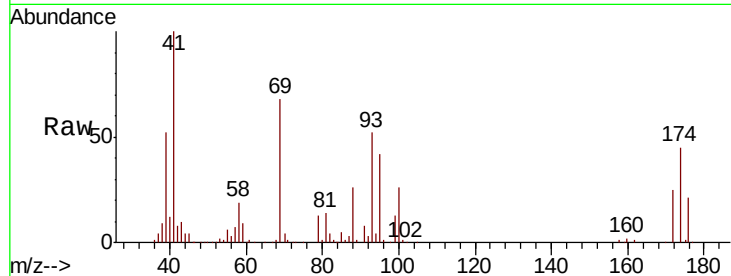




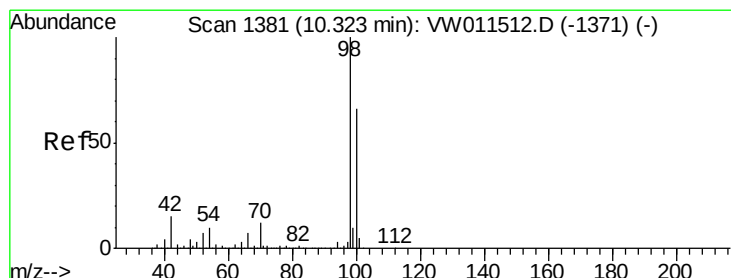
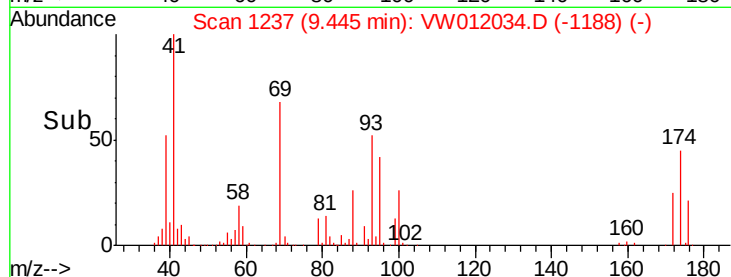
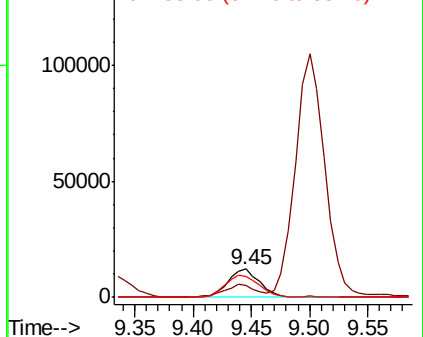
#49
 1,4-Dioxane
 Concen: 1117.731 ug/l
 RT: 9.45 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VW012034.D
 Acq: 20 Aug 2019 16:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 88 Resp: 23396
 Ion Ratio Lower Upper
 88 100
 43 42.7 34.0 51.0
 58 82.3 69.7 104.5

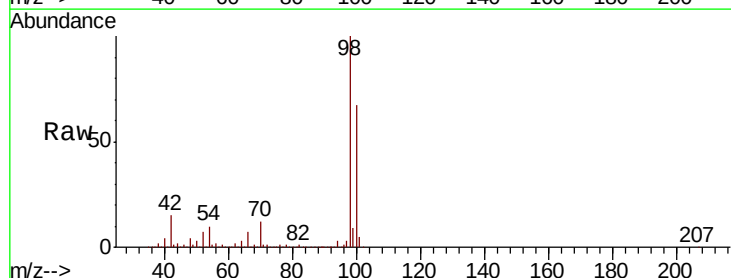


Abundance Ion 88.00 (87.70 to 88.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 58.00 (57.70 to 58.70): VW

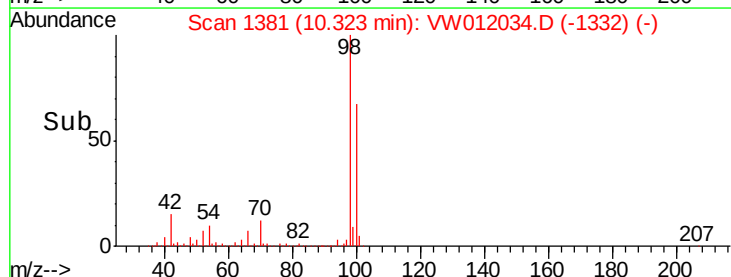
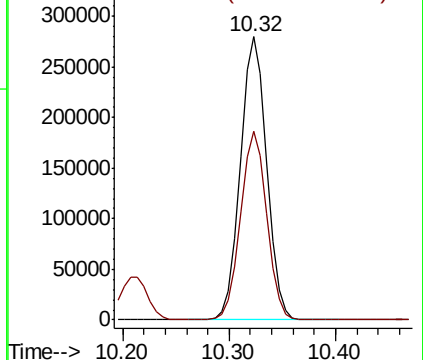


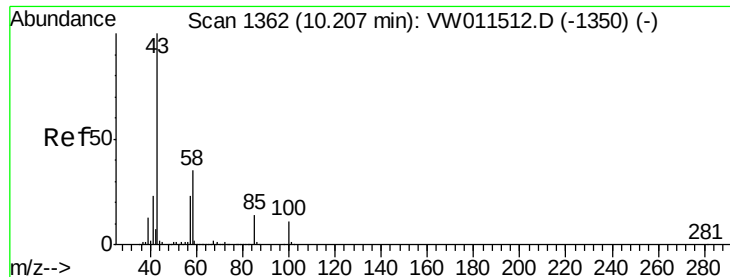
#50
 Toluene-d8
 Concen: 52.041 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW012034.D
 Acq: 20 Aug 2019 16:27

Tgt Ion: 98 Resp: 485828
 Ion Ratio Lower Upper
 98 100
 100 66.4 52.7 79.1



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

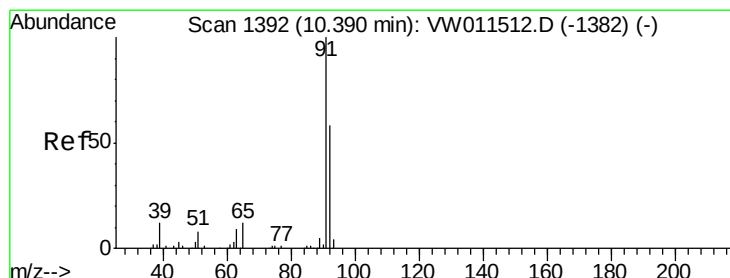
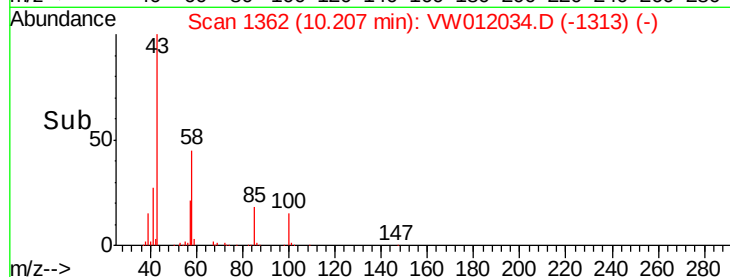
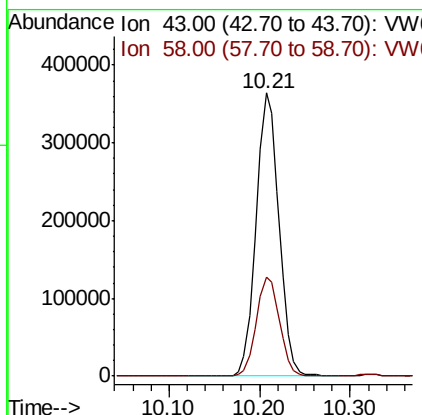
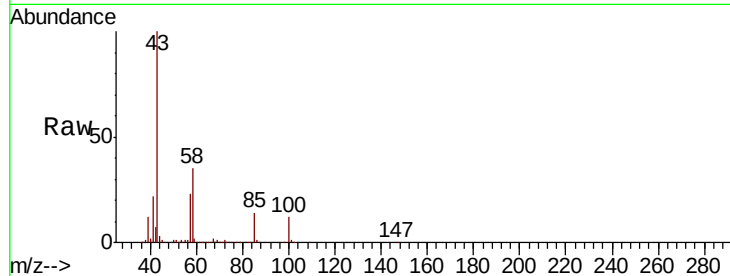




#51
 4-Methyl-2-Pentanone
 Concen: 272.558 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW012034.D
 Acq: 20 Aug 2019 16:27

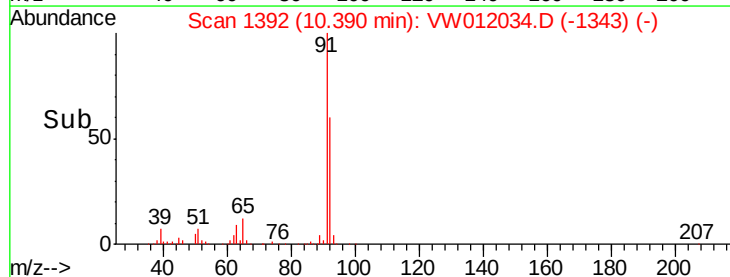
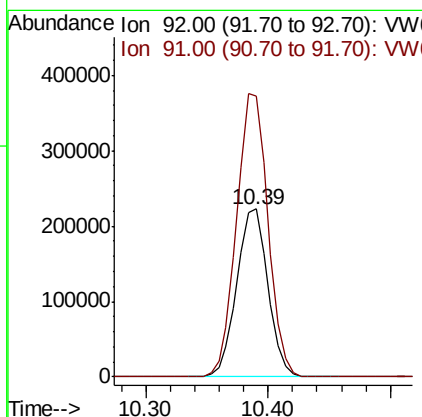
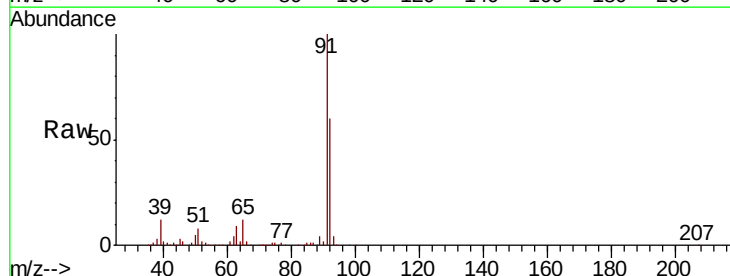
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

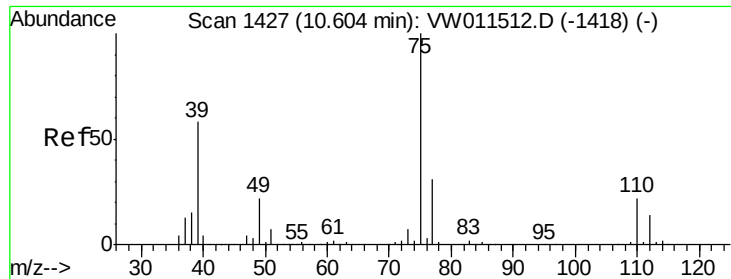
Tgt Ion: 43 Resp: 633925
 Ion Ratio Lower Upper
 43 100
 58 35.5 28.2 42.2



#52
 Toluene
 Concen: 54.908 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW012034.D
 Acq: 20 Aug 2019 16:27

Tgt Ion: 92 Resp: 392514
 Ion Ratio Lower Upper
 92 100
 91 170.2 136.7 205.1





#53

t-1,3-Dichloropropene

Concen: 54.469 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

Instrument :

MSVOA_W

ClientSampleId :

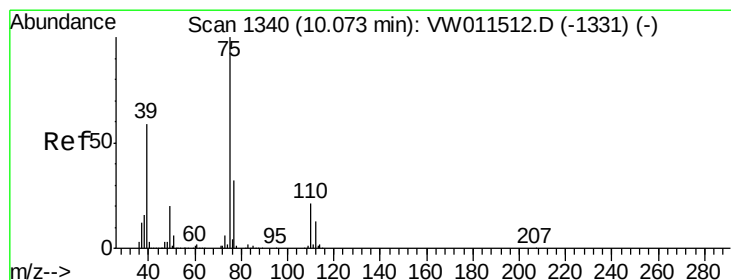
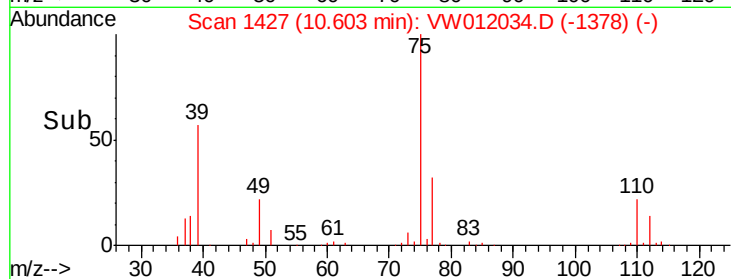
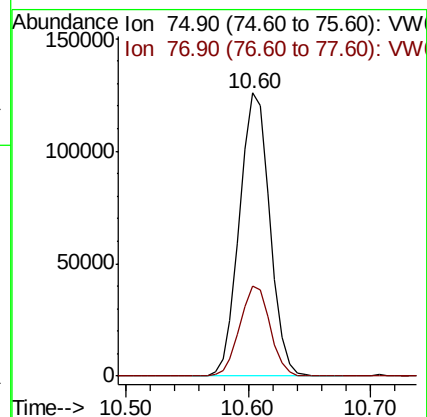
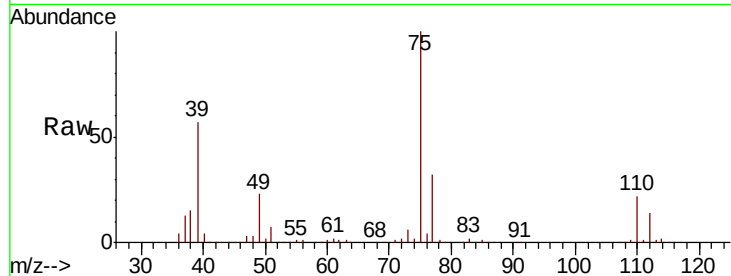
VSTDCCC050

Tgt Ion: 75 Resp: 215765

Ion Ratio Lower Upper

75 100

77 31.6 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 55.011 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

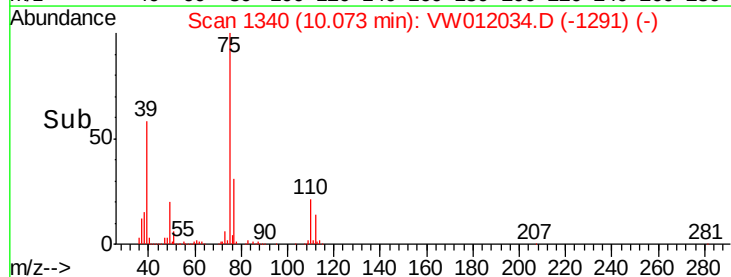
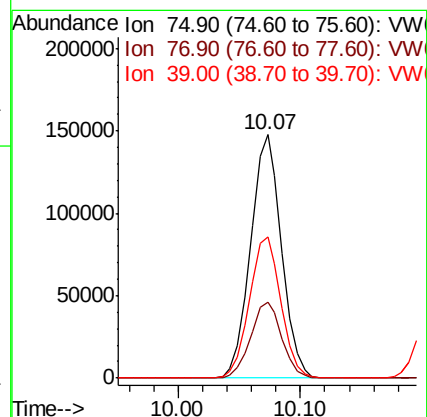
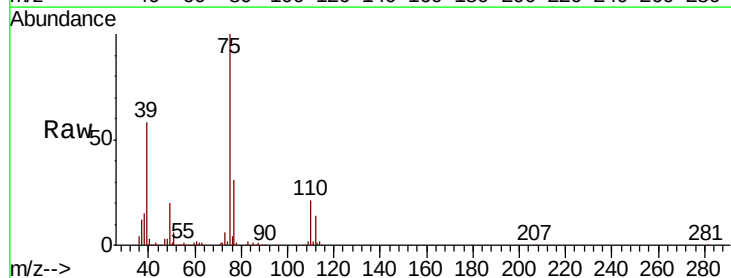
Tgt Ion: 75 Resp: 259097

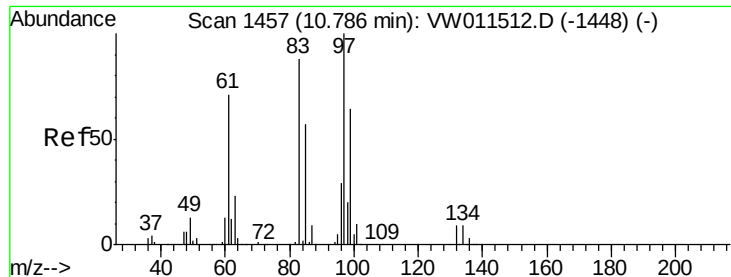
Ion Ratio Lower Upper

75 100

77 31.3 25.6 38.4

39 57.8 47.0 70.4

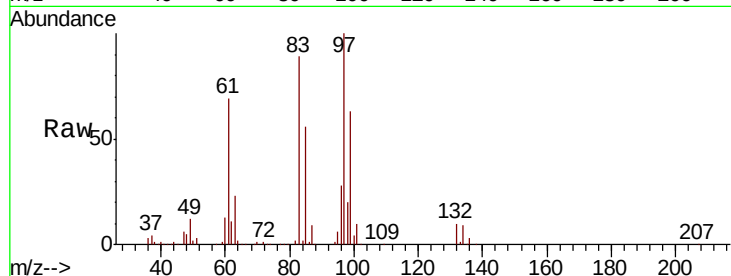




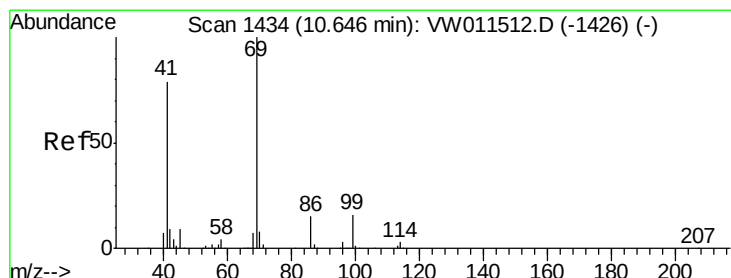
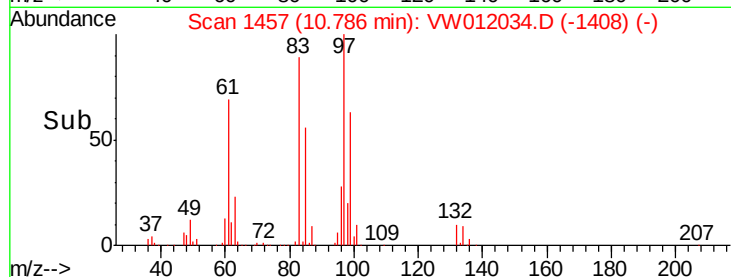
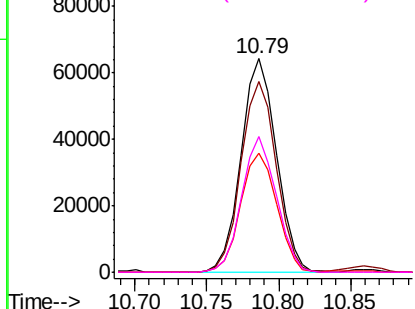
#55
 1,1,2-Trichloroethane
 Concen: 53.416 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012034.D
 Acq: 20 Aug 2019 16:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion:	97	Resp:	109562
Ion	Ratio	Lower	Upper
97	100		
83	89.4	70.5	105.7
85	55.7	45.8	68.6
99	63.3	51.0	76.4

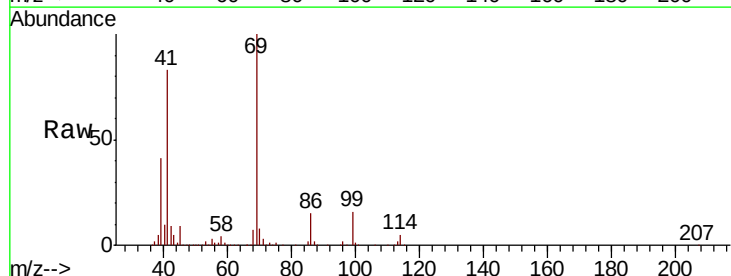


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

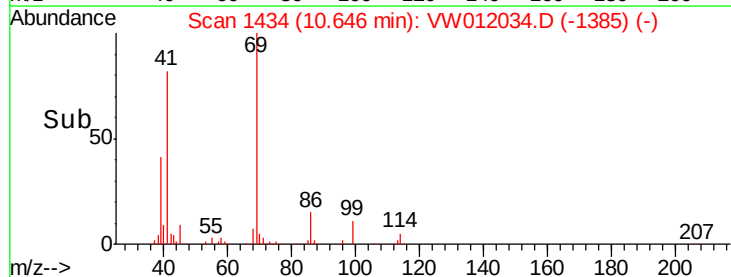
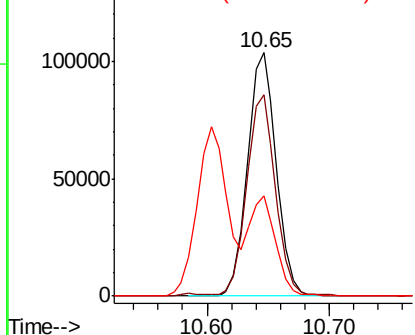


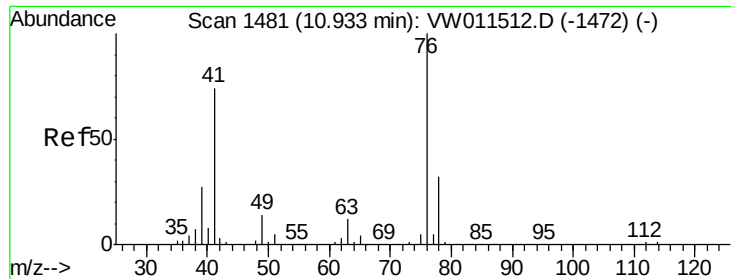
#56
 Ethyl methacrylate
 Concen: 56.511 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012034.D
 Acq: 20 Aug 2019 16:27

Tgt Ion:	69	Resp:	169615
Ion	Ratio	Lower	Upper
69	100		
41	82.3	66.6	99.8
39	37.2	30.3	45.5



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

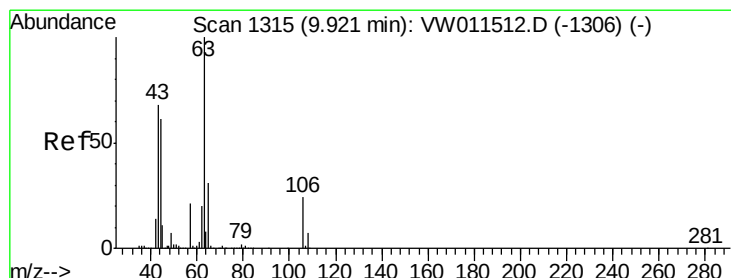
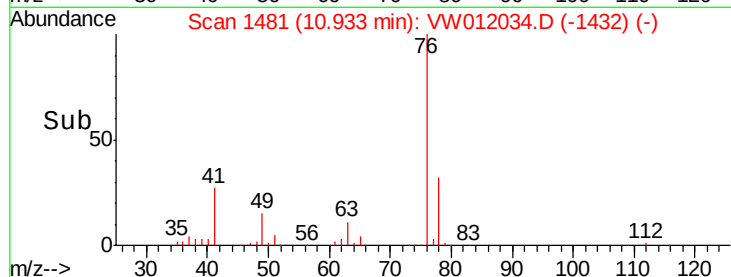
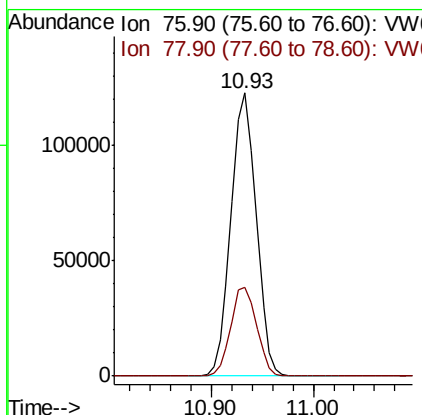
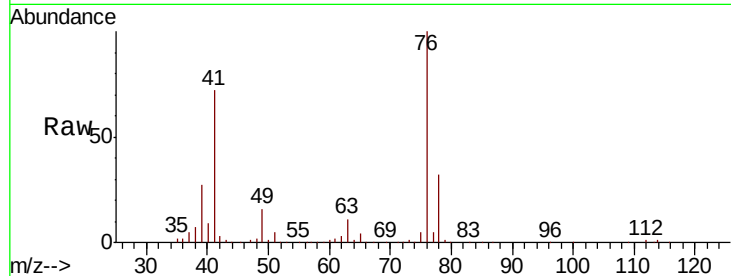




#57
 1,3-Dichloropropane
 Concen: 54.095 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012034.D
 Acq: 20 Aug 2019 16:27

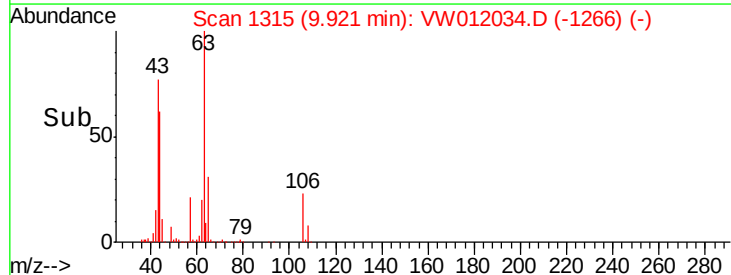
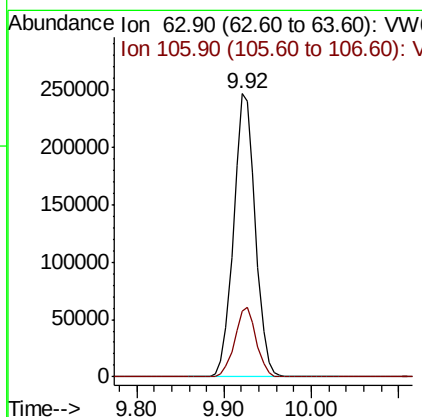
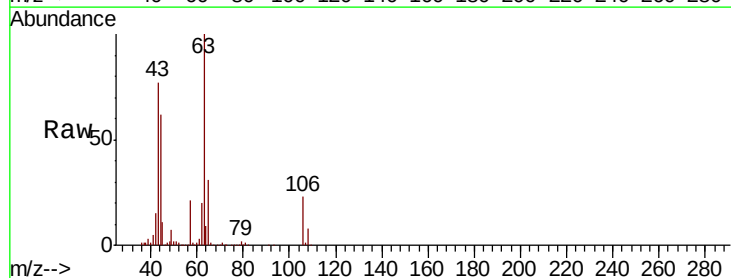
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

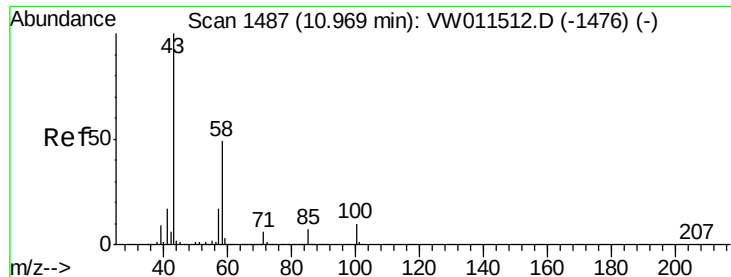
Tgt Ion: 76 Resp: 209917
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 313.457 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012034.D
 Acq: 20 Aug 2019 16:27

Tgt Ion: 63 Resp: 427172
 Ion Ratio Lower Upper
 63 100
 106 24.4 19.7 29.5

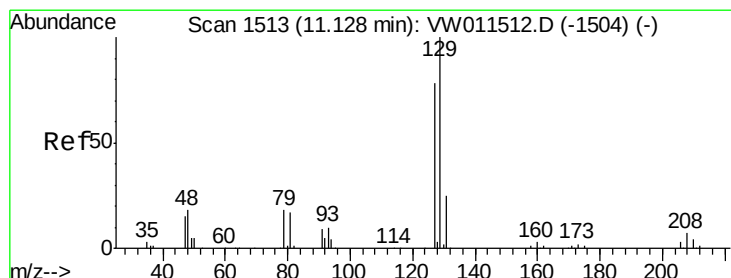
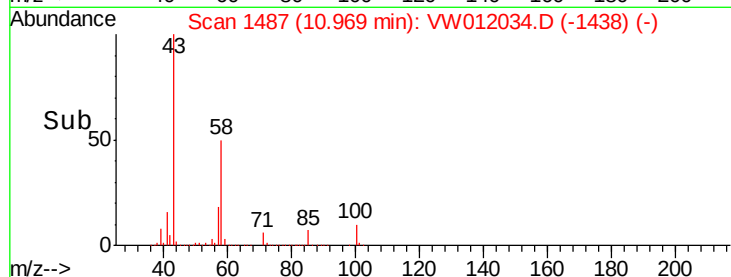
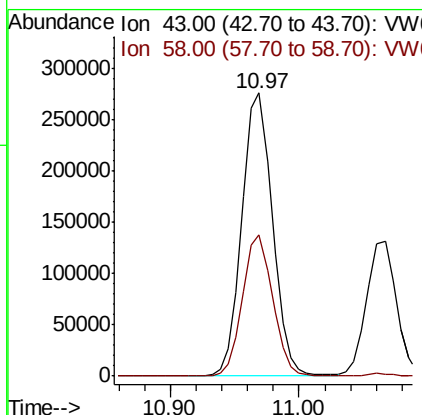
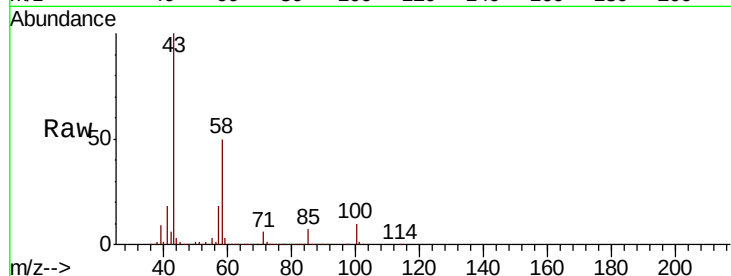




#59
2-Hexanone
Concen: 276.648 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012034.D
Acq: 20 Aug 2019 16:27

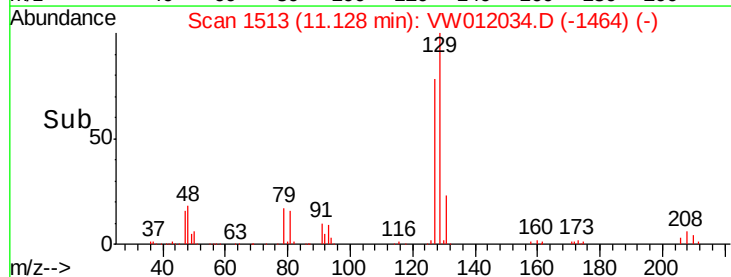
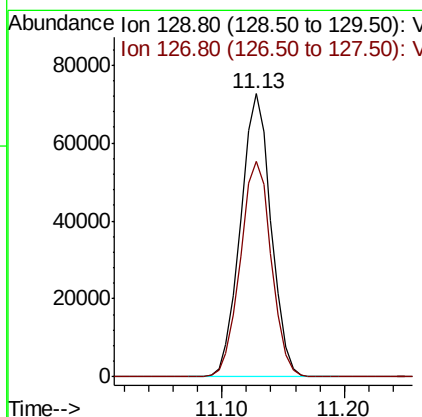
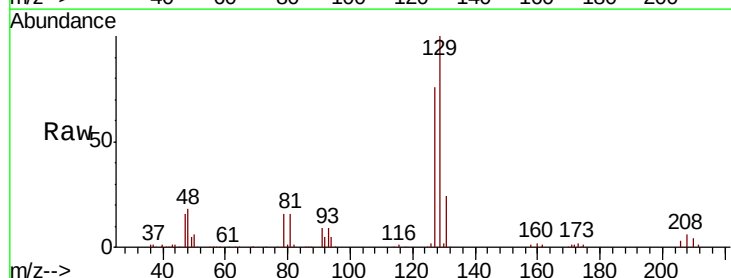
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

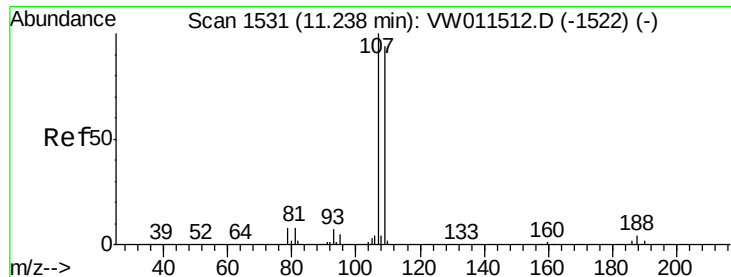
Tgt Ion: 43 Resp: 454310
Ion Ratio Lower Upper
43 100
58 49.2 24.3 72.9



#60
Dibromochloromethane
Concen: 55.187 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012034.D
Acq: 20 Aug 2019 16:27

Tgt Ion: 129 Resp: 125649
Ion Ratio Lower Upper
129 100
127 77.3 38.9 116.7

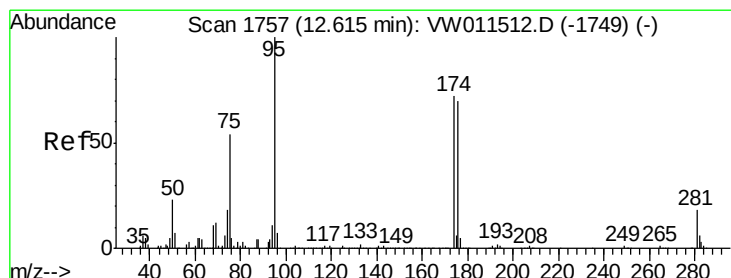
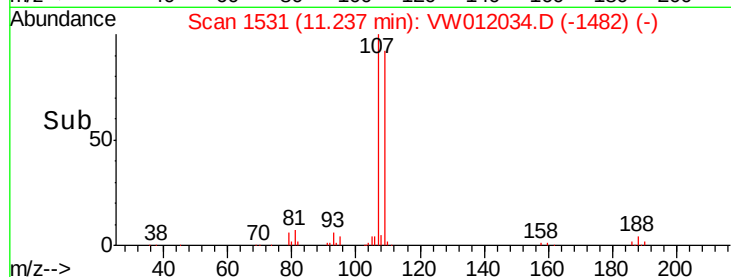
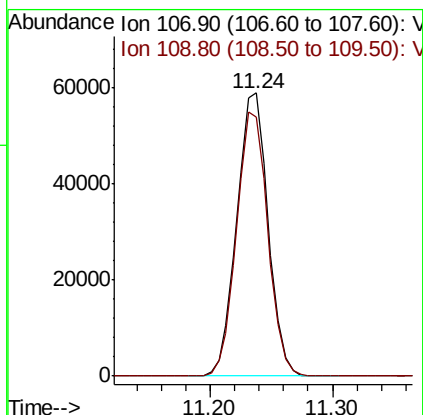
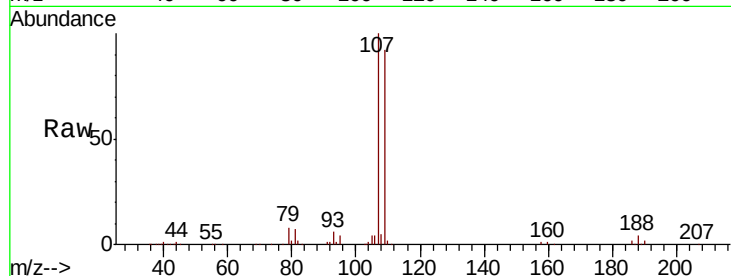




#61
 1,2-Dibromoethane
 Concen: 53.767 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW012034.D
 Acq: 20 Aug 2019 16:27

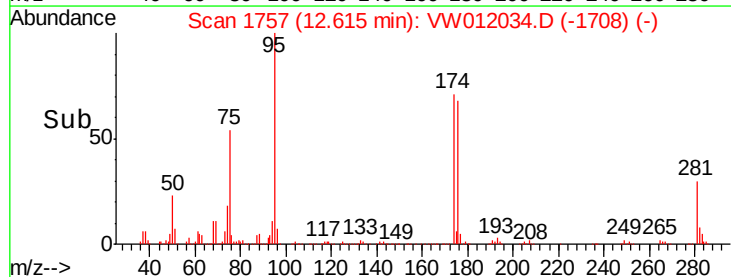
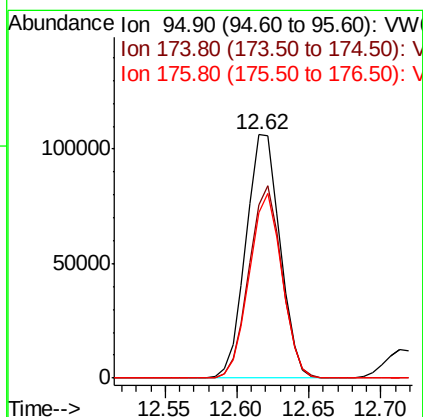
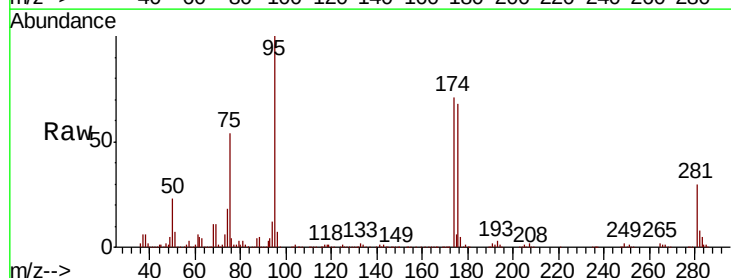
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

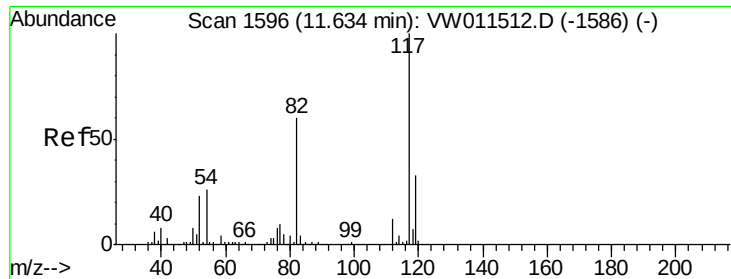
Tgt Ion: 107 Resp: 104364
 Ion Ratio Lower Upper
 107 100
 109 93.6 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 52.304 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012034.D
 Acq: 20 Aug 2019 16:27

Tgt Ion: 95 Resp: 174082
 Ion Ratio Lower Upper
 95 100
 174 76.0 0.0 150.2
 176 73.2 0.0 144.4

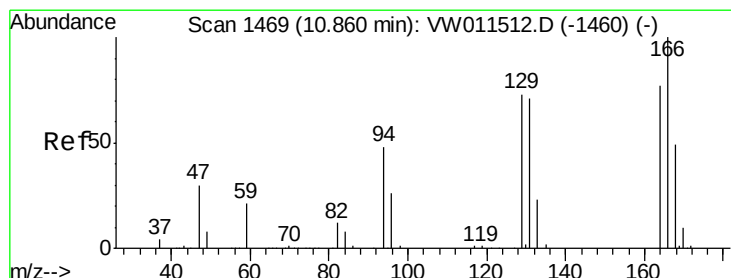
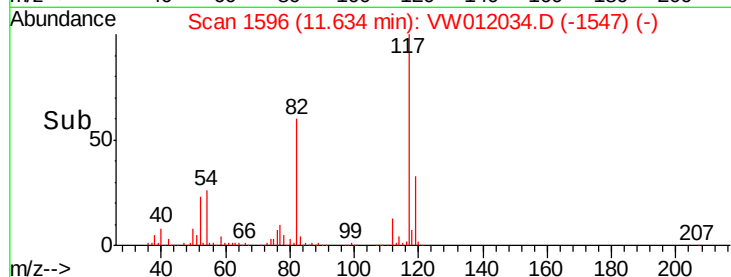
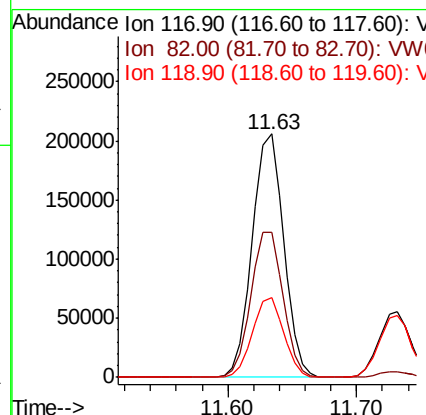
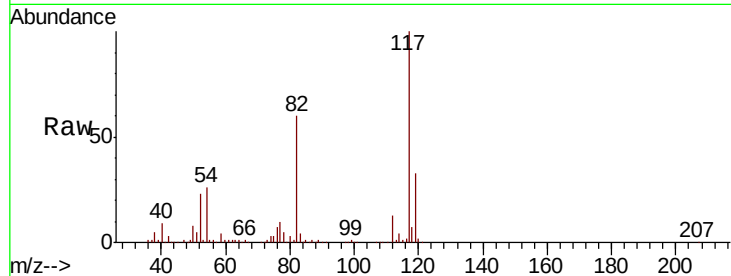




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012034.D
Acq: 20 Aug 2019 16:27

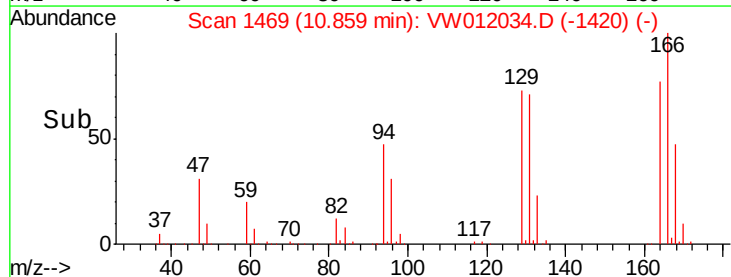
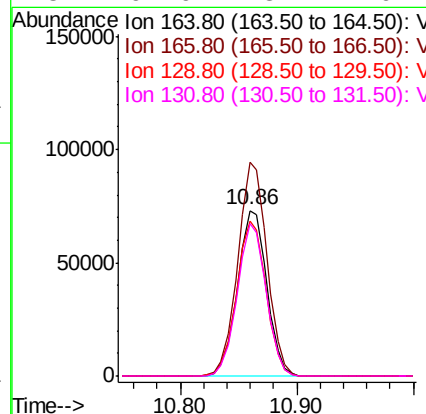
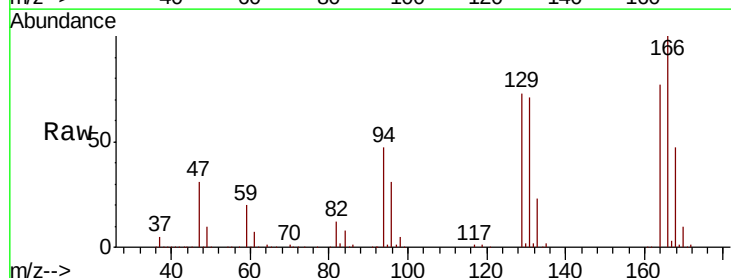
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

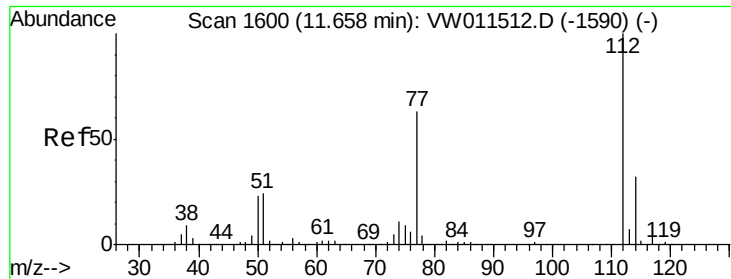
Tgt Ion:117 Resp: 347960
Ion Ratio Lower Upper
117 100
82 59.7 47.9 71.9
119 32.7 26.2 39.2



#64
Tetrachloroethene
Concen: 56.549 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012034.D
Acq: 20 Aug 2019 16:27

Tgt Ion:164 Resp: 128117
Ion Ratio Lower Upper
164 100
166 129.1 103.5 155.3
129 93.6 75.2 112.8
131 91.9 73.4 110.2

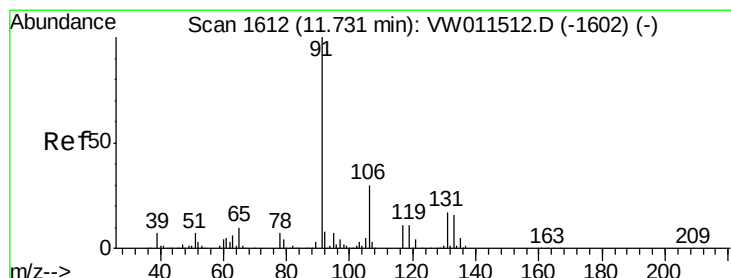
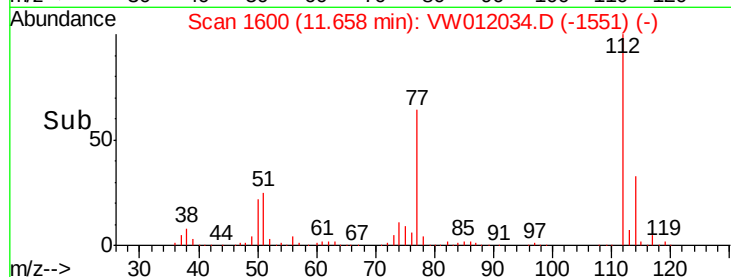
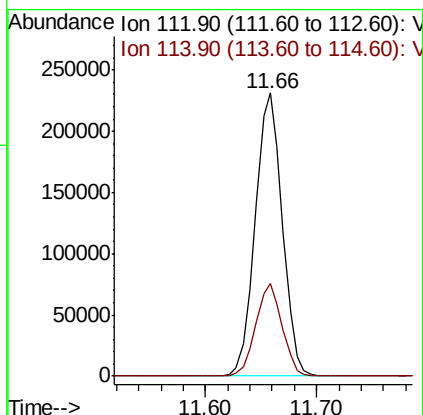
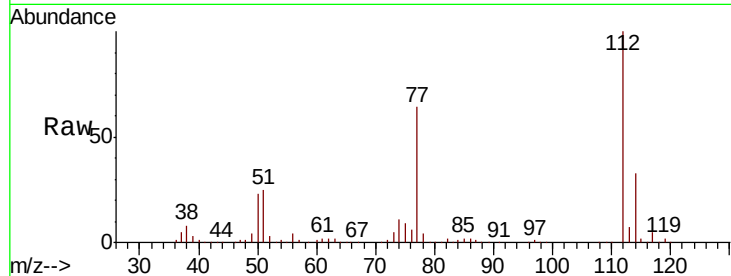




#65
Chlorobenzene
Concen: 55.763 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012034.D
Acq: 20 Aug 2019 16:27

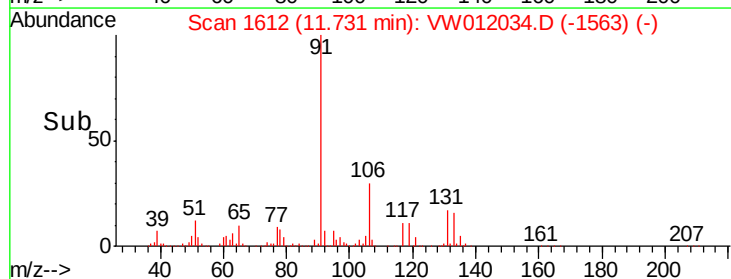
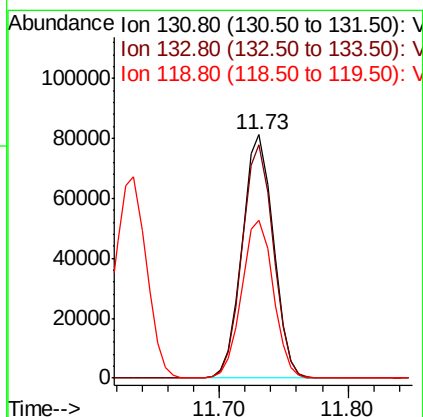
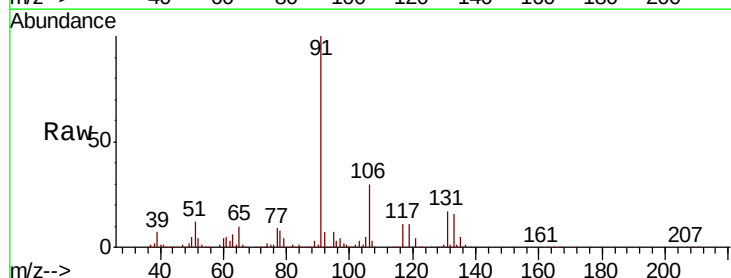
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

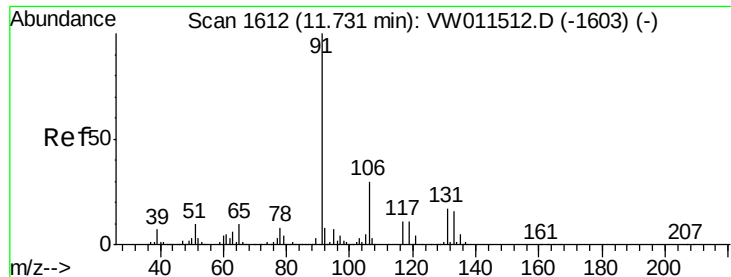
Tgt Ion:112 Resp: 390098
Ion Ratio Lower Upper
112 100
114 32.9 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 56.040 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012034.D
Acq: 20 Aug 2019 16:27

Tgt Ion:131 Resp: 136555
Ion Ratio Lower Upper
131 100
133 95.7 47.4 142.2
119 65.5 32.3 96.9

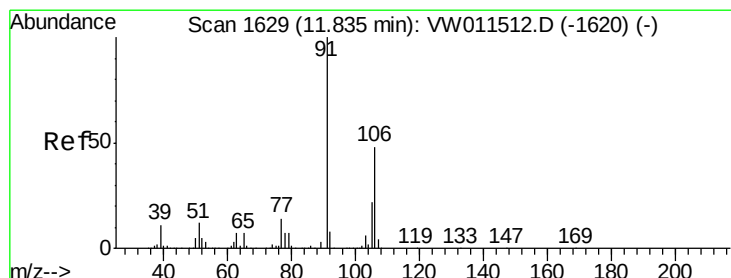
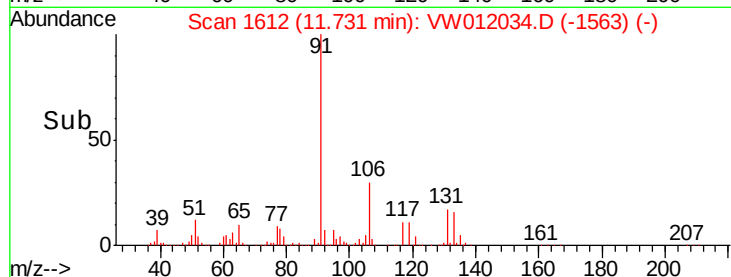
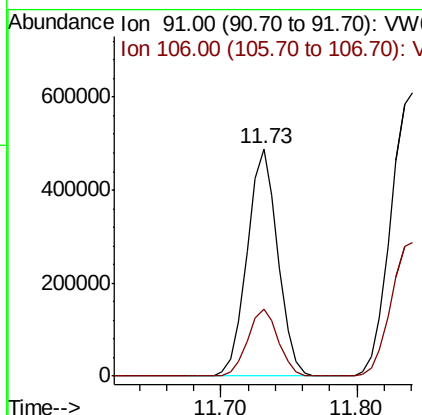
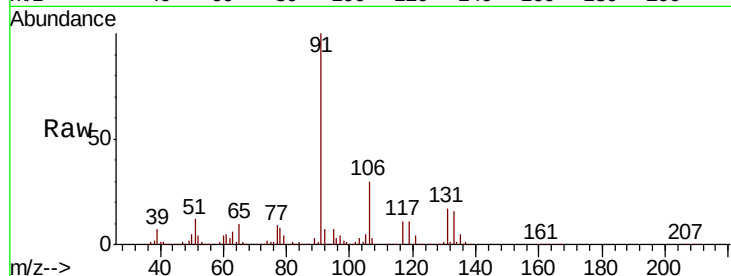




#67
Ethyl Benzene
Concen: 57.802 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012034.D
Acq: 20 Aug 2019 16:27

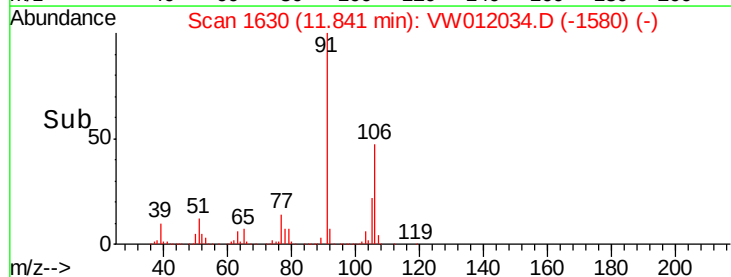
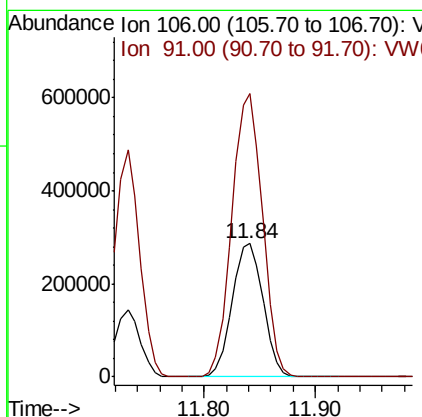
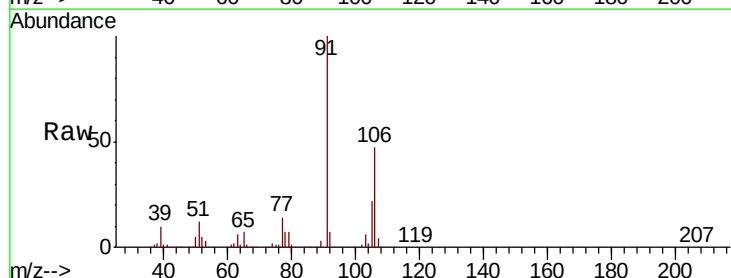
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

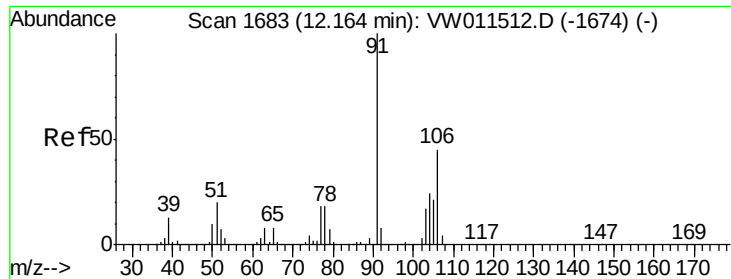
Tgt Ion: 91 Resp: 770125
Ion Ratio Lower Upper
91 100
106 29.6 23.8 35.6



#68
m/p-Xylenes
Concen: 113.562 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW012034.D
Acq: 20 Aug 2019 16:27

Tgt Ion: 106 Resp: 550247
Ion Ratio Lower Upper
106 100
91 210.4 168.2 252.2

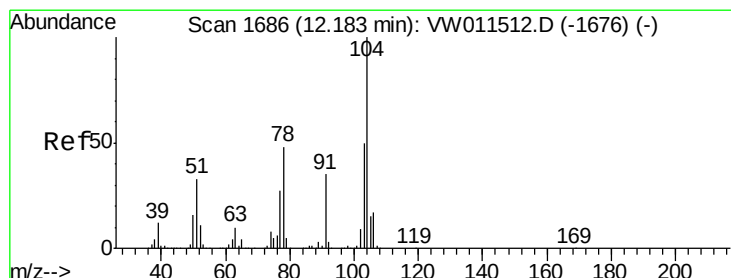
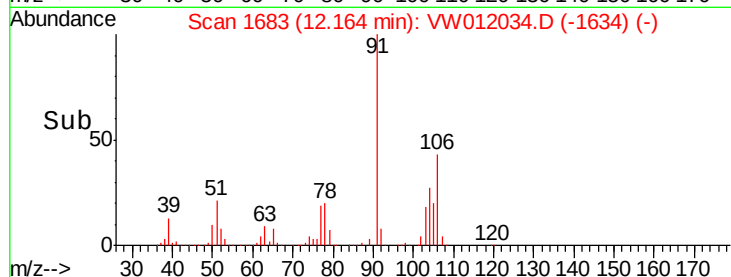
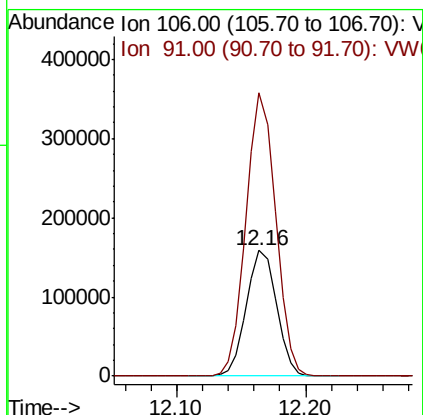
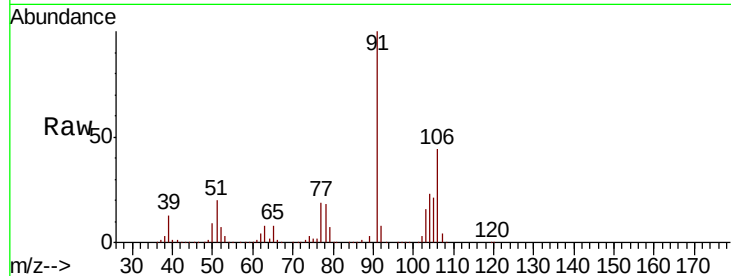




#69
o-Xylene
Concen: 57.110 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012034.D
Acq: 20 Aug 2019 16:27

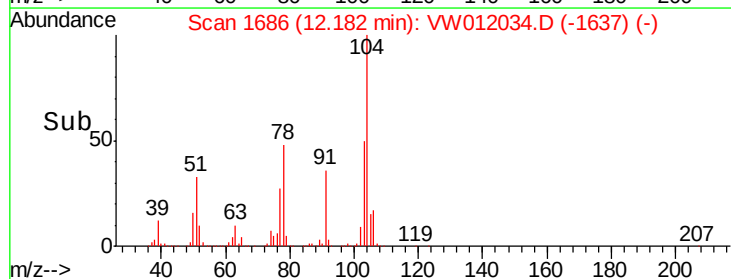
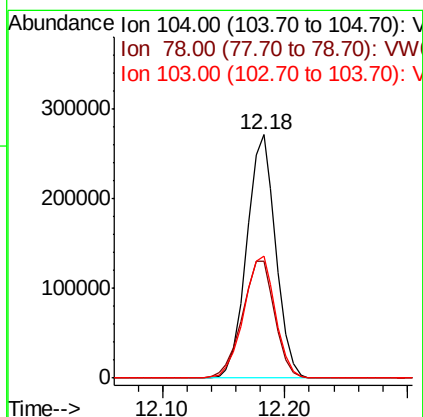
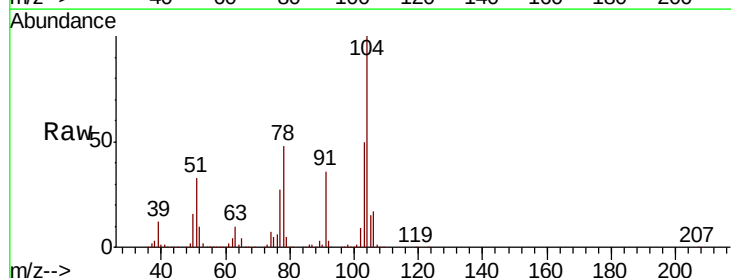
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

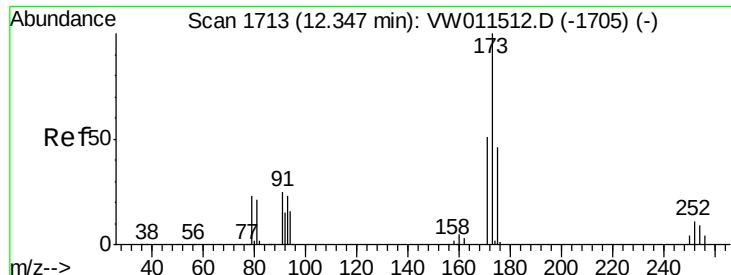
Tgt Ion:106 Resp: 257144
Ion Ratio Lower Upper
106 100
91 221.6 110.5 331.5



#70
Styrene
Concen: 57.429 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012034.D
Acq: 20 Aug 2019 16:27

Tgt Ion:104 Resp: 447088
Ion Ratio Lower Upper
104 100
78 53.9 43.4 65.0
103 54.8 43.9 65.9





#71

Bromoform

Concen: 57.000 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

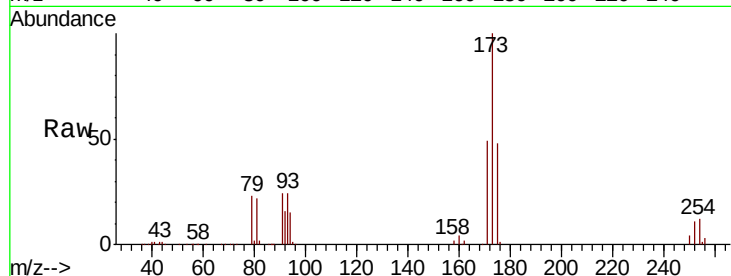
Tgt Ion:173 Resp: 70817

Ion Ratio Lower Upper

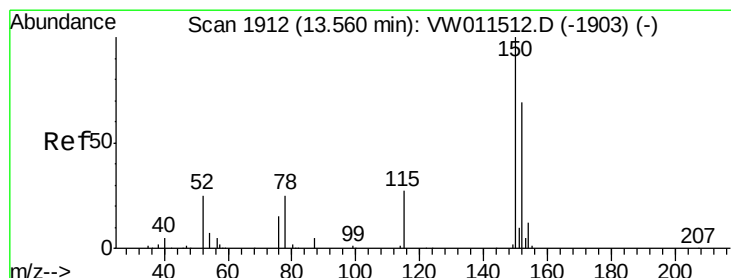
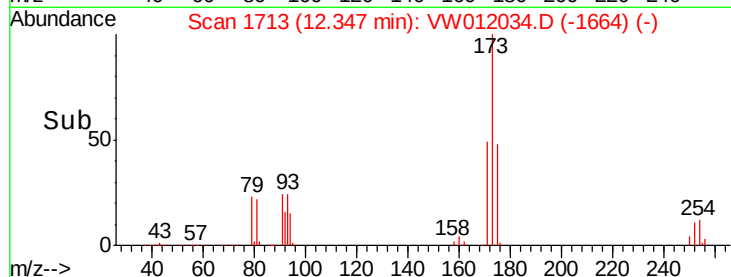
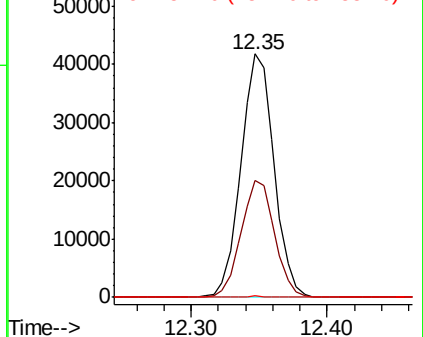
173 100

175 48.6 23.6 71.0

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: VW012034.D

Acq: 20 Aug 2019 16:27

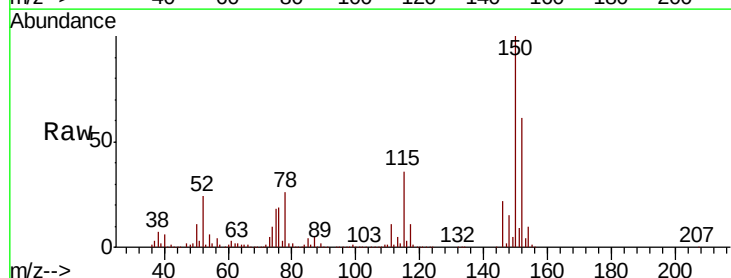
Tgt Ion:152 Resp: 170443

Ion Ratio Lower Upper

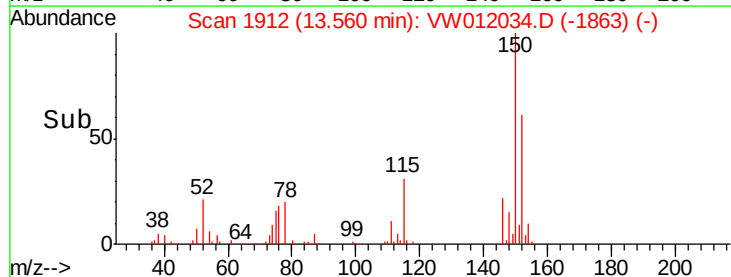
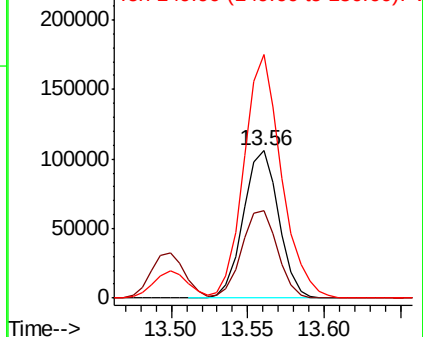
152 100

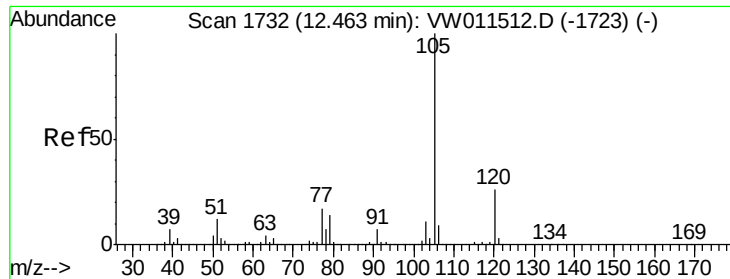
115 60.3 30.5 91.5

150 175.1 0.0 352.6



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: 57.052 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

Instrument :

MSVOA_W

ClientSampleId :

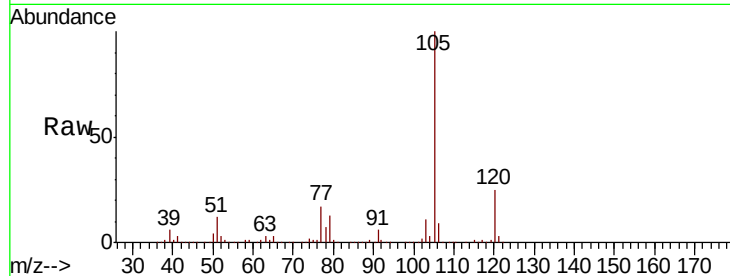
VSTDCCC050

Tgt Ion:105 Resp: 725439

Ion Ratio Lower Upper

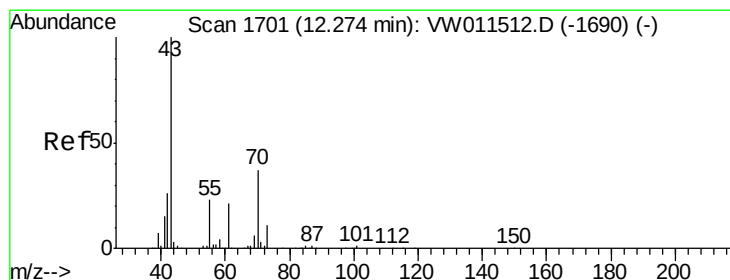
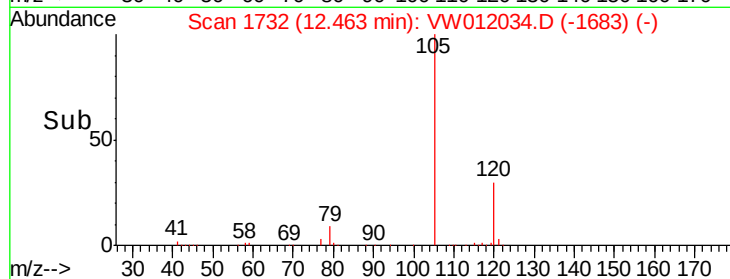
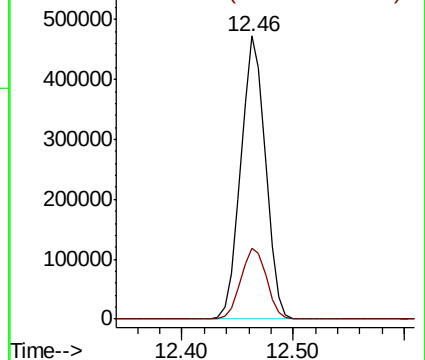
105 100

120 26.0 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 58.481 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

Tgt Ion: 43 Resp: 232806

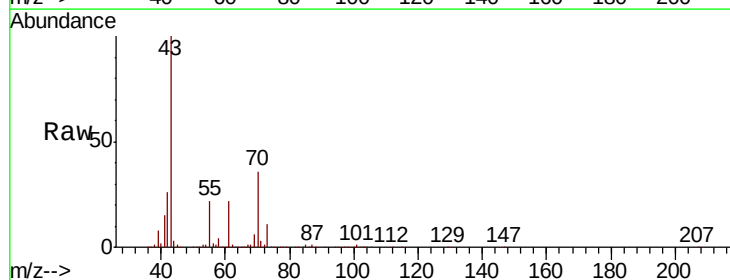
Ion Ratio Lower Upper

43 100

70 36.2 28.6 43.0

55 22.2 17.8 26.8

61 21.8 17.0 25.6

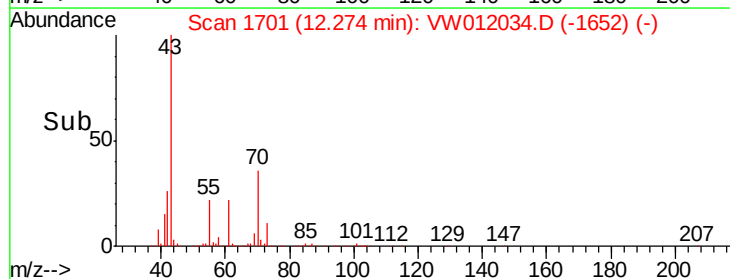
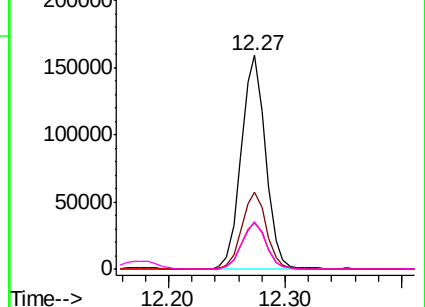


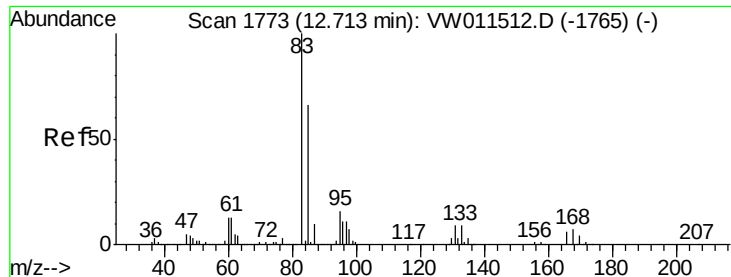
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 55.354 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

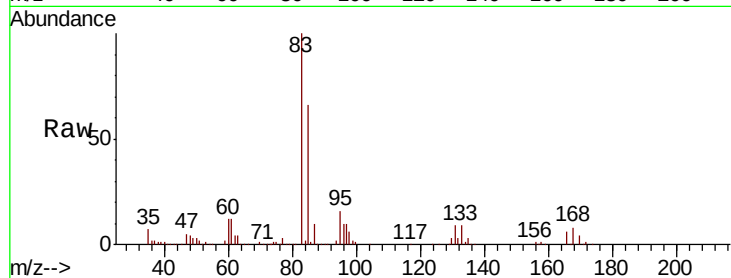
Tgt Ion: 83 Resp: 132393

Ion Ratio Lower Upper

83 100

131 10.0 4.9 14.6

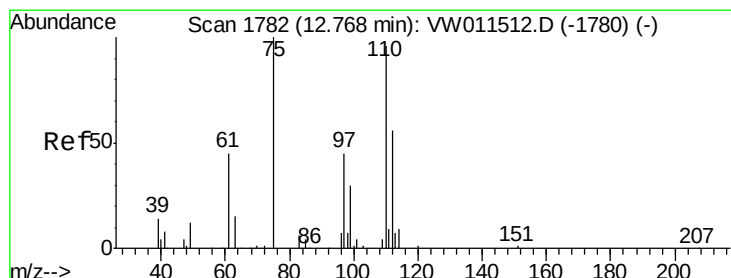
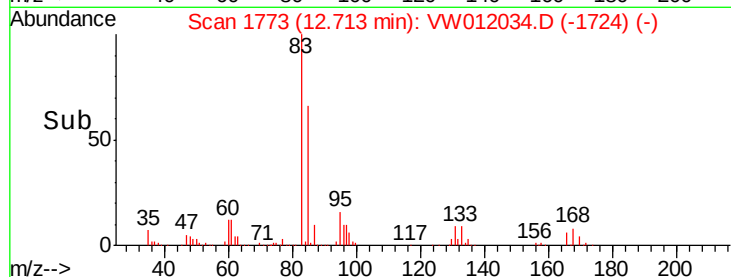
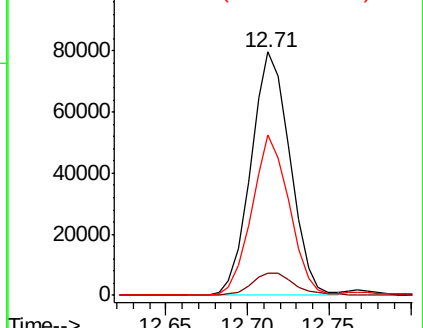
85 63.4 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 98.304 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW012034.D

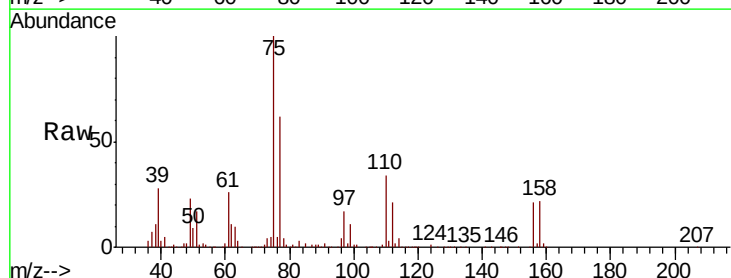
Acq: 20 Aug 2019 16:27

Tgt Ion: 75 Resp: 177290

Ion Ratio Lower Upper

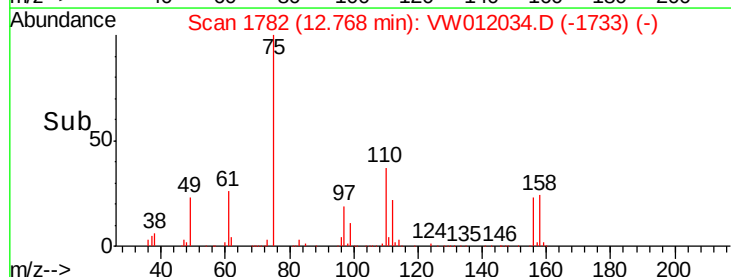
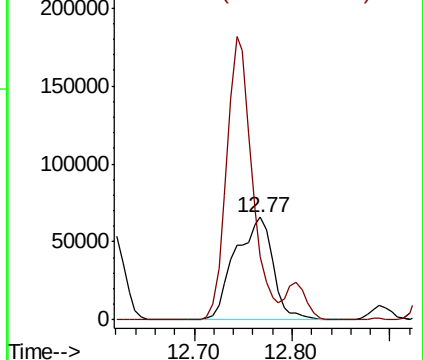
75 100

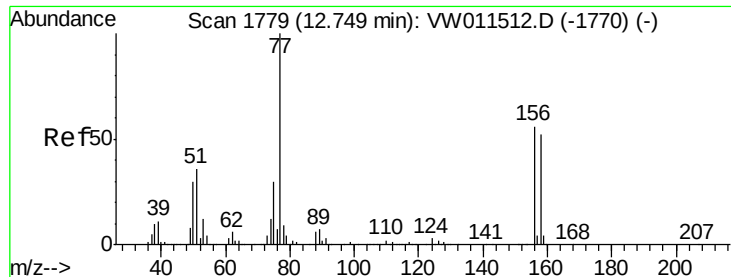
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 56.057 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

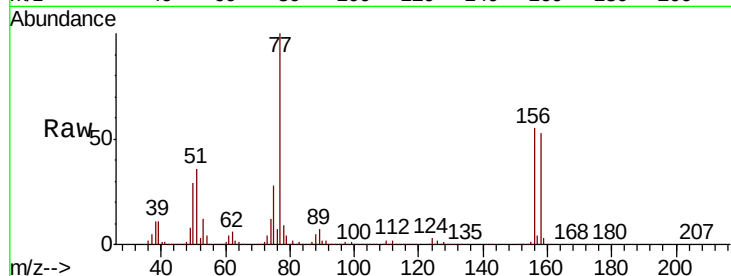
Tgt Ion:156 Resp: 157547

Ion Ratio Lower Upper

156 100

77 209.8 106.5 319.4

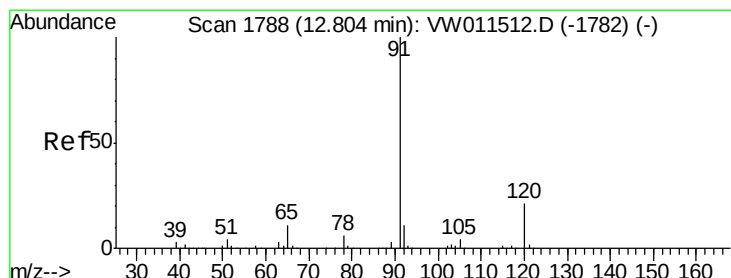
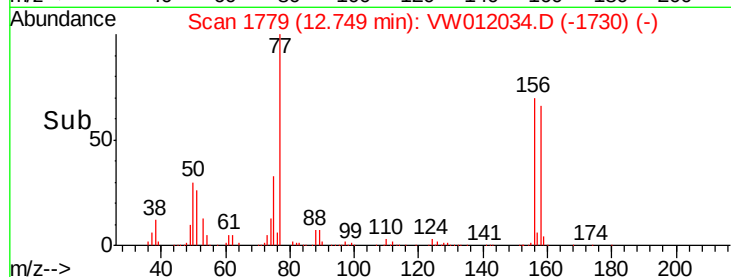
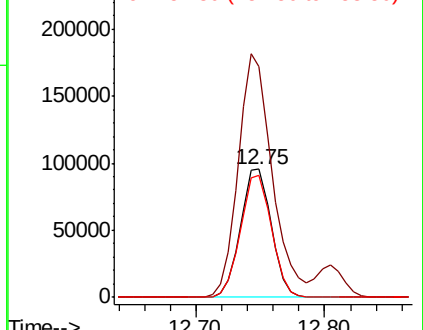
158 96.2 48.0 144.2



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: 57.495 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012034.D

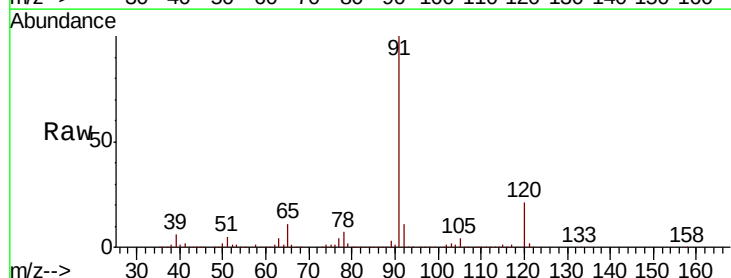
Acq: 20 Aug 2019 16:27

Tgt Ion: 91 Resp: 889721

Ion Ratio Lower Upper

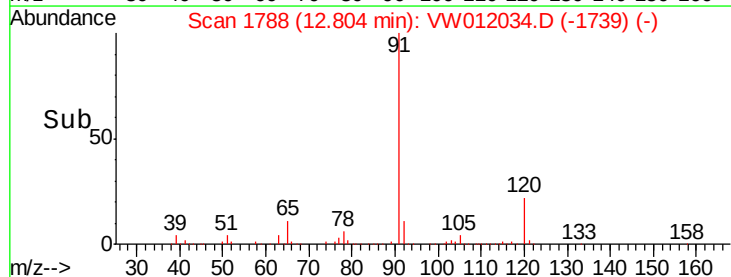
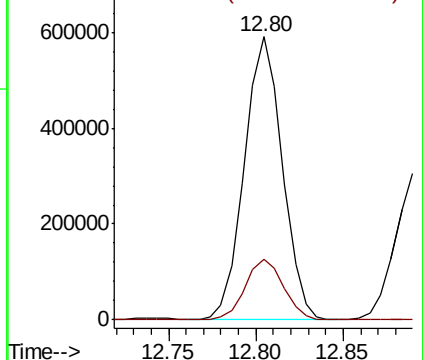
91 100

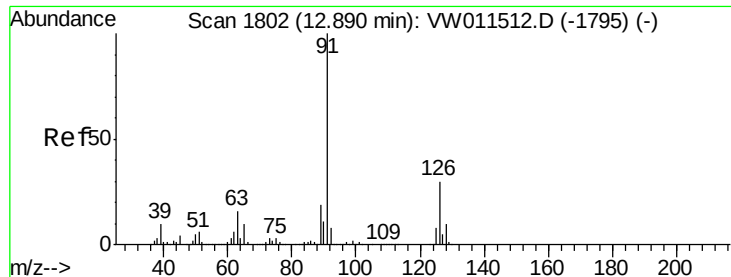
120 21.6 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 55.857 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

Instrument :

MSVOA_W

ClientSampleId :

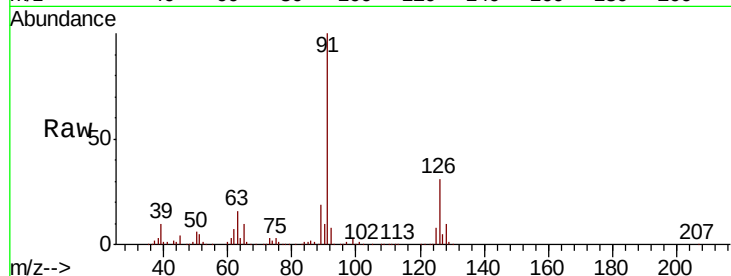
VSTDCCC050

Tgt Ion: 91 Resp: 497966

Ion Ratio Lower Upper

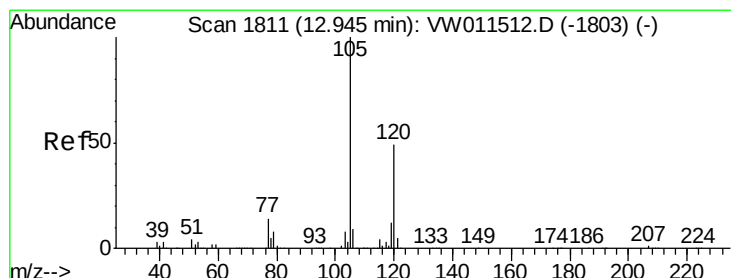
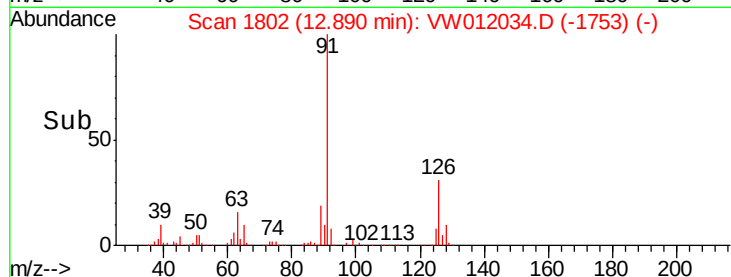
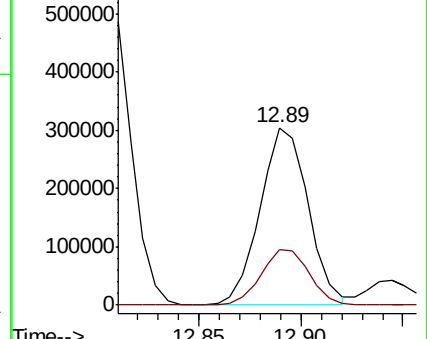
91 100

126 31.7 15.7 47.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 56.958 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012034.D

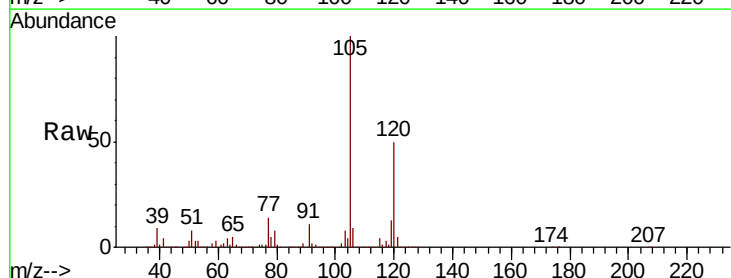
Acq: 20 Aug 2019 16:27

Tgt Ion: 105 Resp: 607100

Ion Ratio Lower Upper

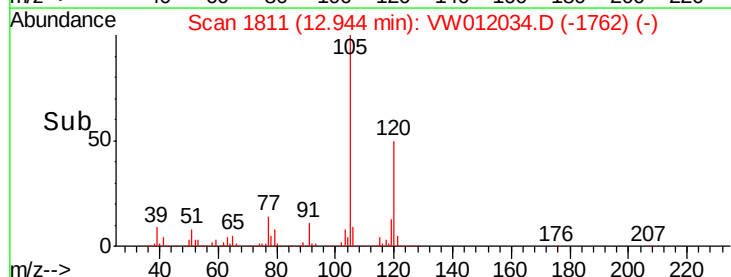
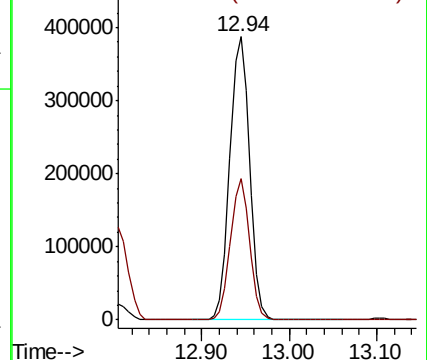
105 100

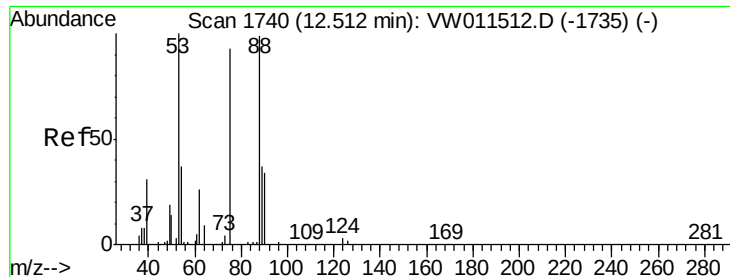
120 48.2 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 57.288 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

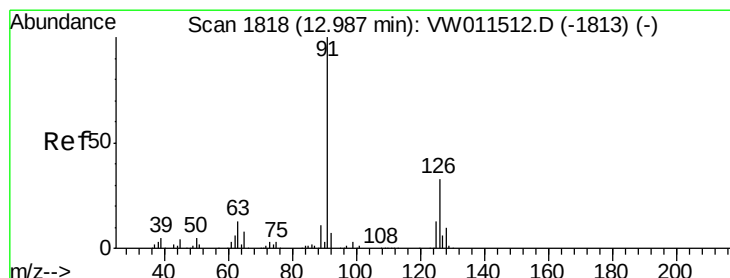
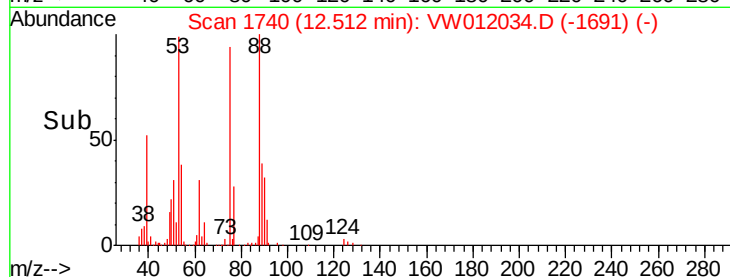
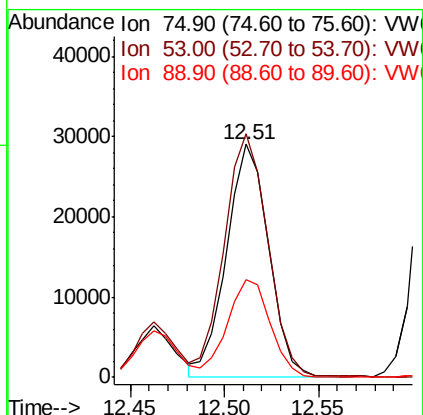
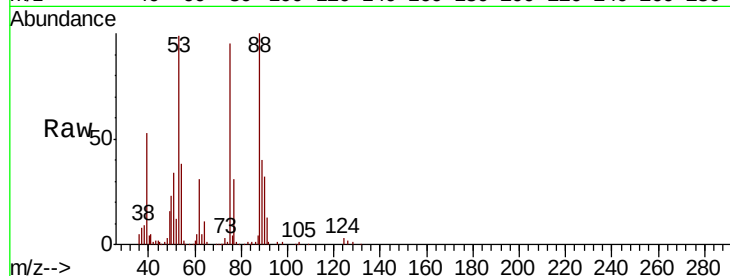
Tgt Ion: 75 Resp: 44830

Ion Ratio Lower Upper

75 100

53 108.7 88.0 132.0

89 42.9 35.3 52.9



#82

4-Chlorotoluene

Concen: 56.087 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW012034.D

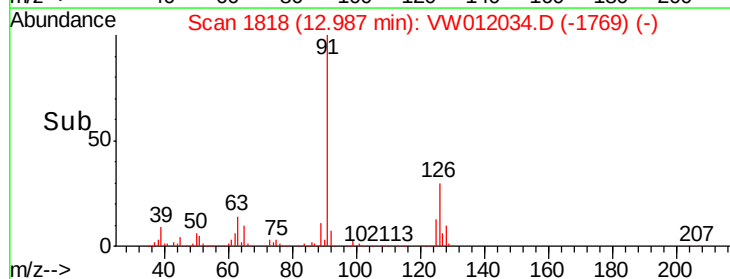
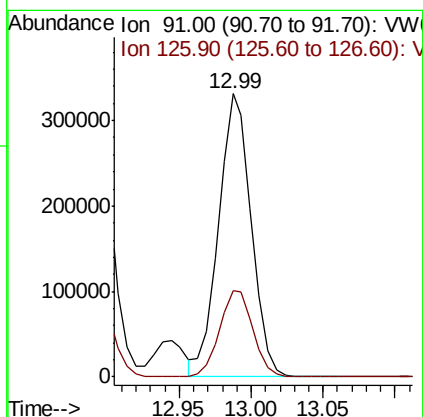
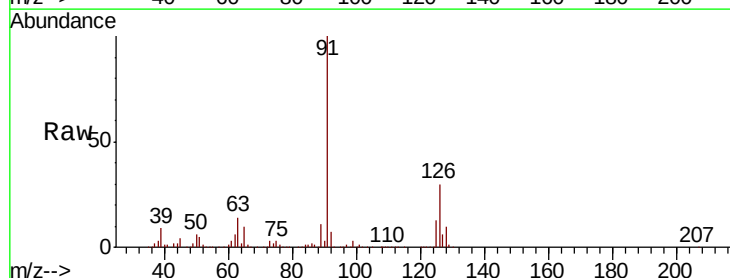
Acq: 20 Aug 2019 16:27

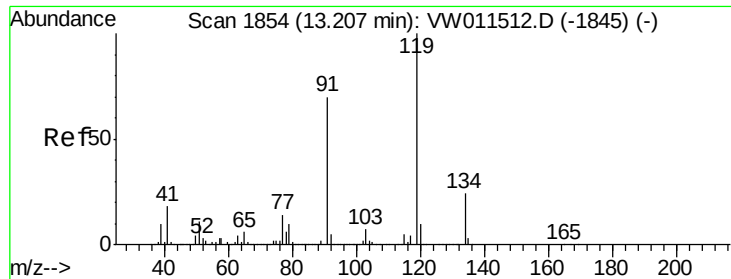
Tgt Ion: 91 Resp: 524622

Ion Ratio Lower Upper

91 100

126 31.1 15.6 46.8

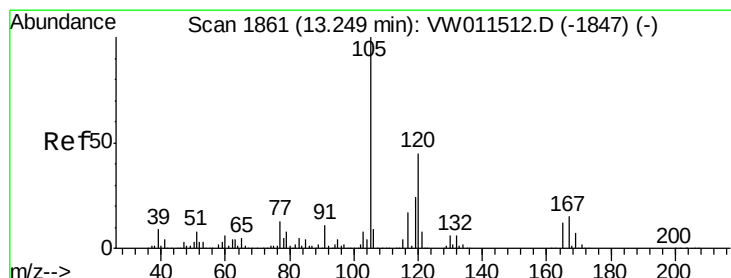
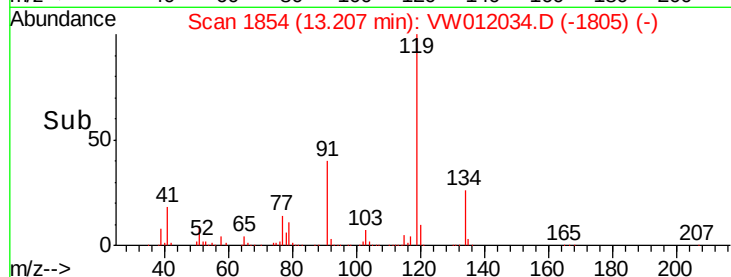
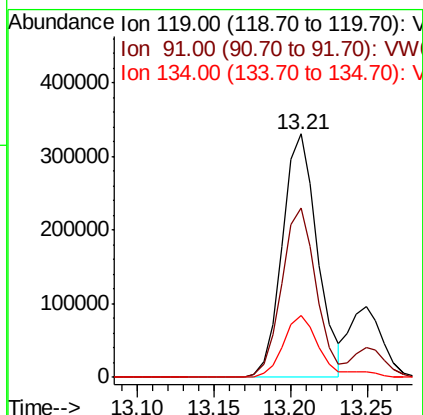
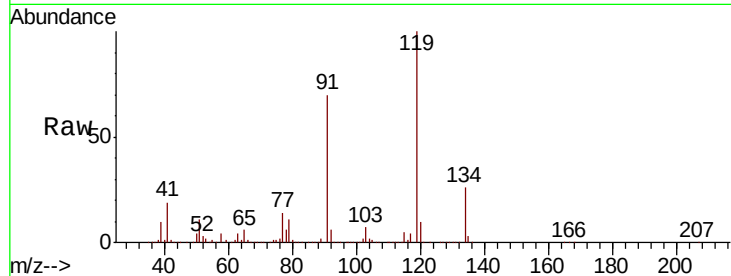




#83
 tert-Butylbenzene
 Concen: 58.807 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012034.D
 Acq: 20 Aug 2019 16:27

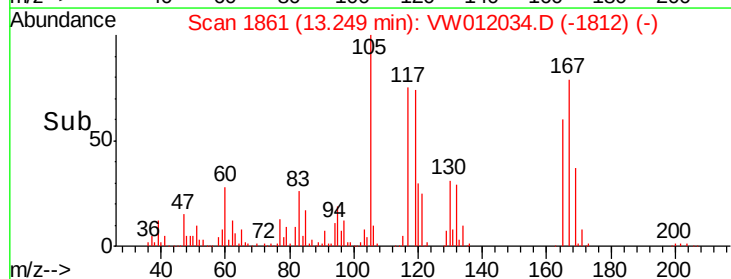
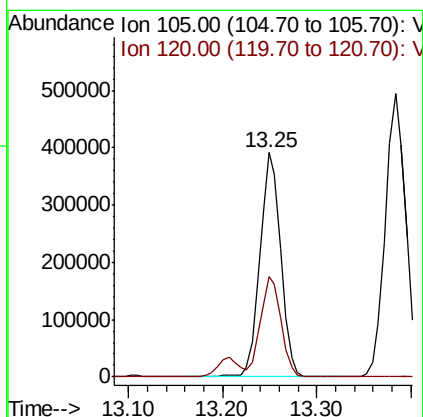
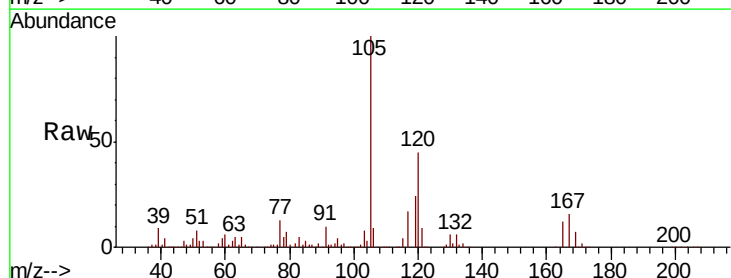
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

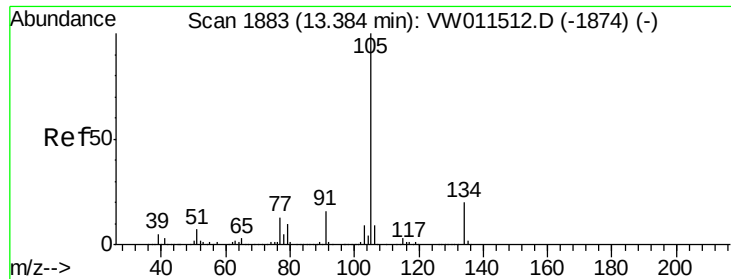
Tgt Ion:119 Resp: 524168
 Ion Ratio Lower Upper
 119 100
 91 68.4 34.5 103.6
 134 25.3 12.4 37.4



#84
 1,2,4-Trimethylbenzene
 Concen: 56.865 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012034.D
 Acq: 20 Aug 2019 16:27

Tgt Ion:105 Resp: 610564
 Ion Ratio Lower Upper
 105 100
 120 44.3 22.1 66.5

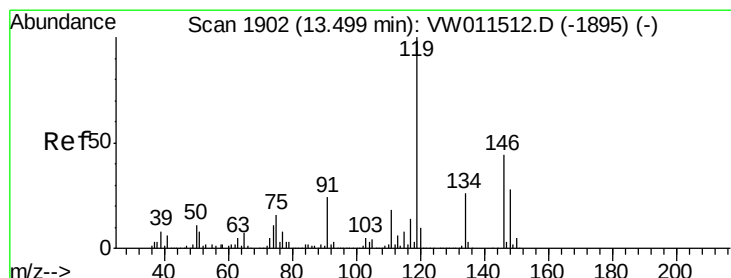
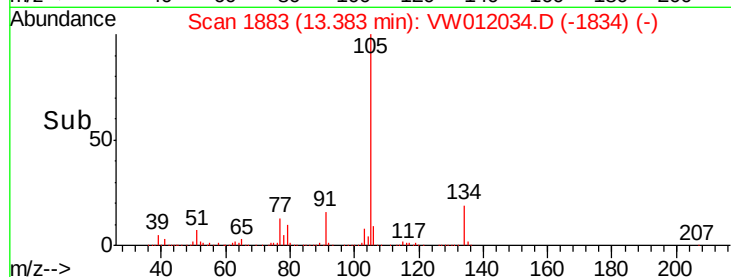
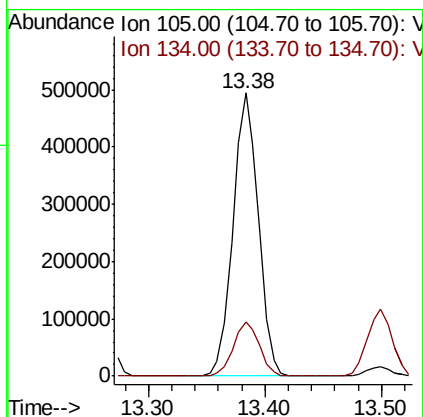
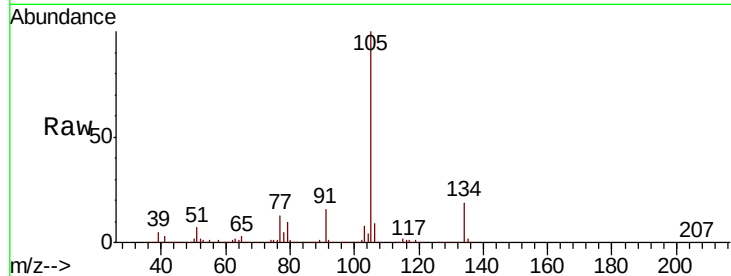




#85
 sec-Butylbenzene
 Concen: 58.858 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012034.D
 Acq: 20 Aug 2019 16:27

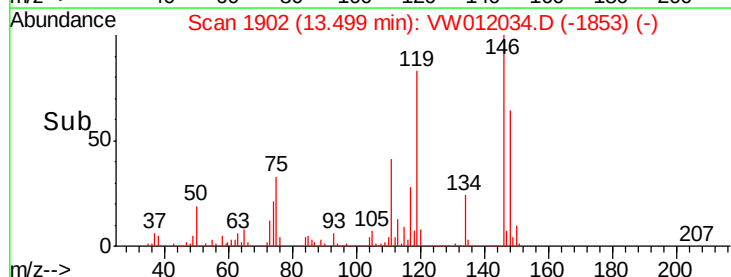
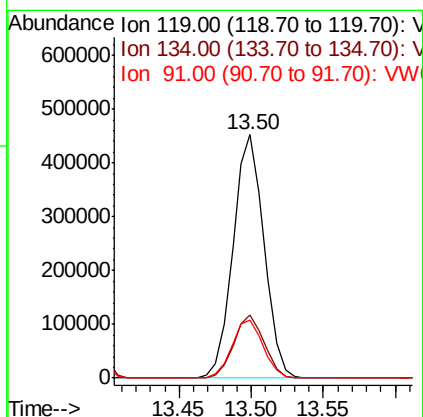
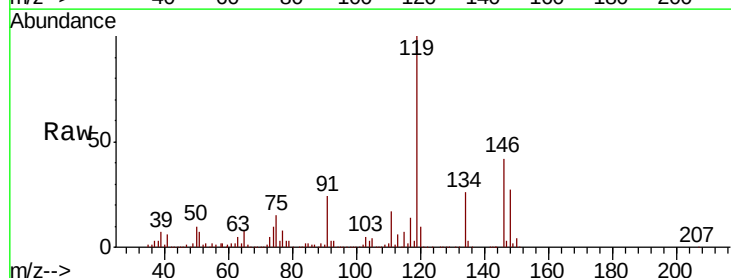
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

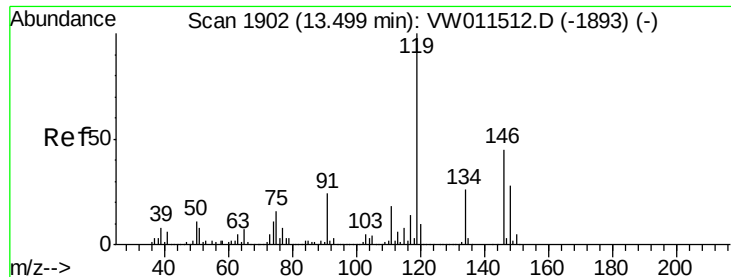
Tgt Ion:105 Resp: 748560
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 58.476 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012034.D
 Acq: 20 Aug 2019 16:27

Tgt Ion:119 Resp: 674772
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.8 38.4
 91 24.1 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 55.806 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

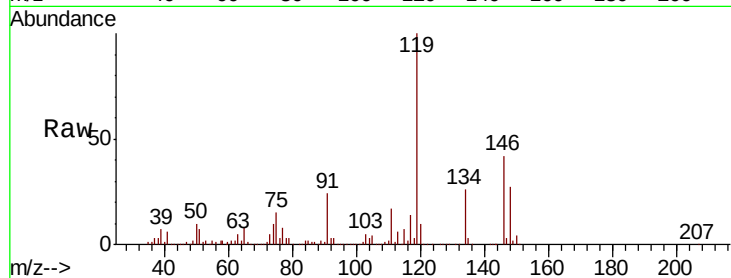
Tgt Ion:146 Resp: 307537

Ion Ratio Lower Upper

146 100

111 40.7 20.5 61.6

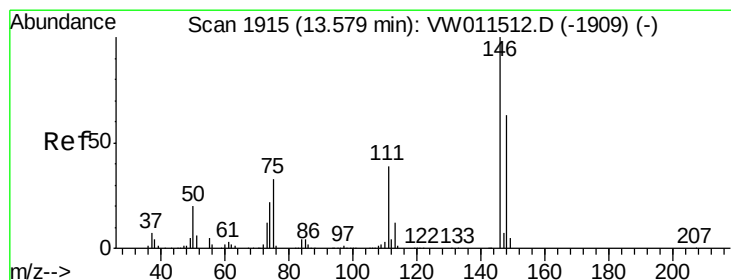
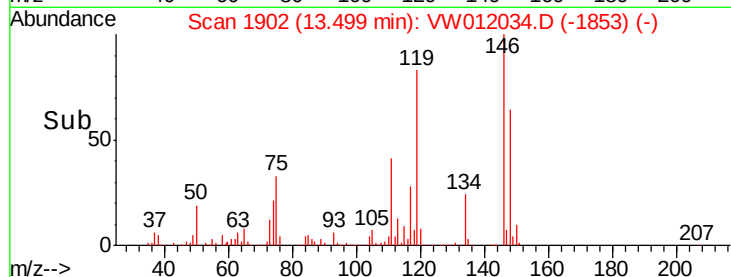
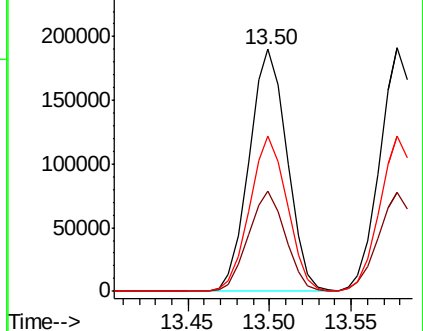
148 63.6 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 55.128 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

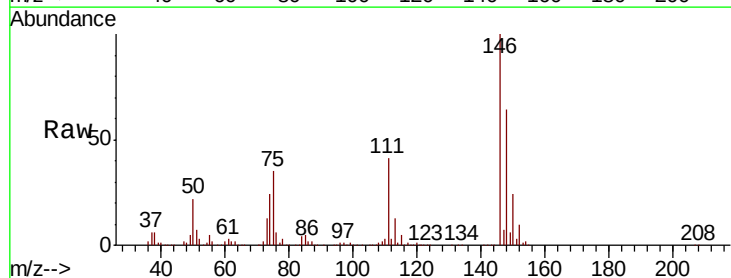
Tgt Ion:146 Resp: 302210

Ion Ratio Lower Upper

146 100

111 40.6 20.1 60.2

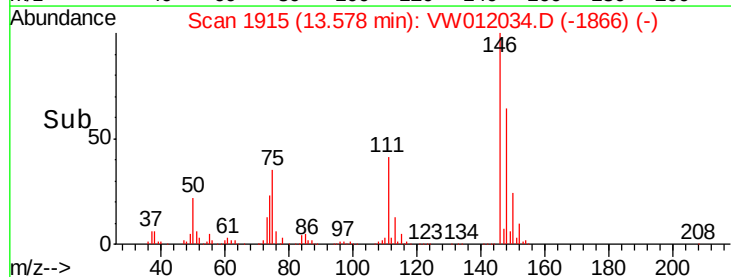
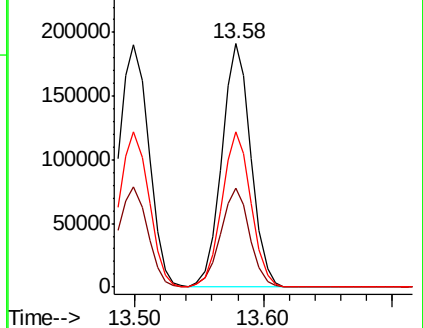
148 63.8 31.9 95.9

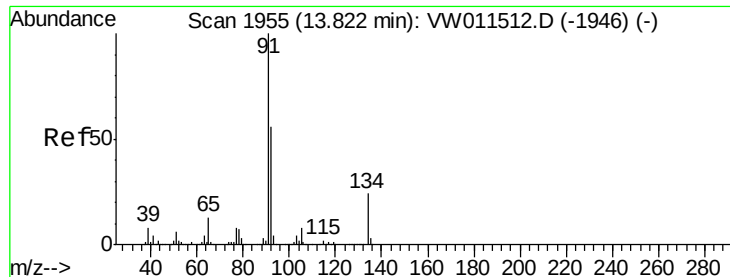


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 59.088 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

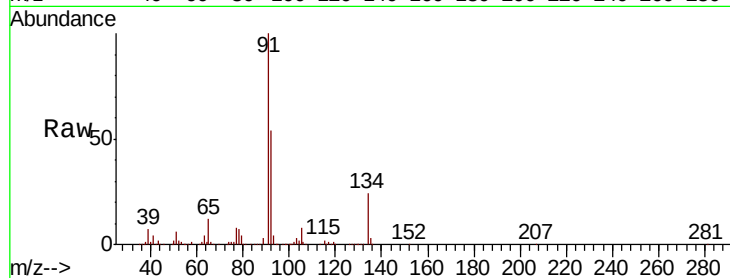
Tgt Ion: 91 Resp: 680436

Ion Ratio Lower Upper

91 100

92 54.6 27.5 82.4

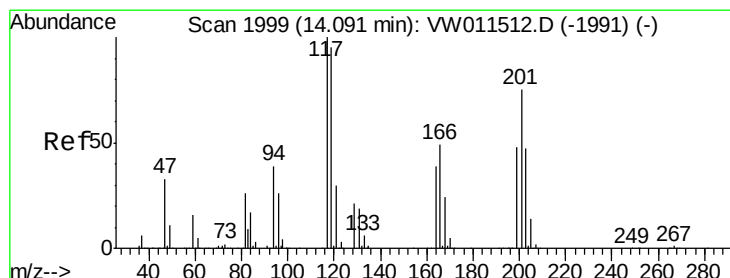
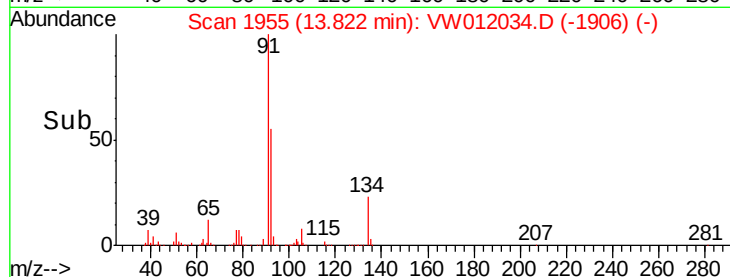
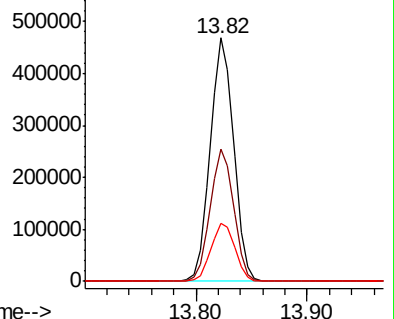
134 24.5 12.2 36.6



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: 57.514 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW012034.D

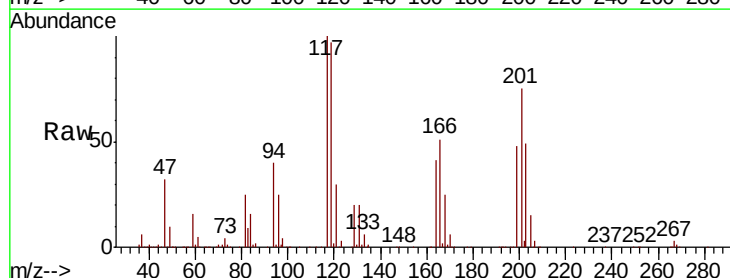
Acq: 20 Aug 2019 16:27

Tgt Ion: 117 Resp: 117357

Ion Ratio Lower Upper

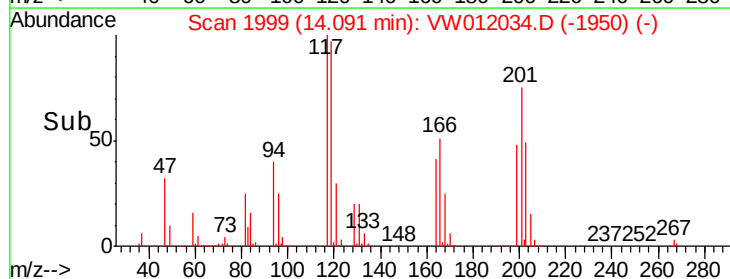
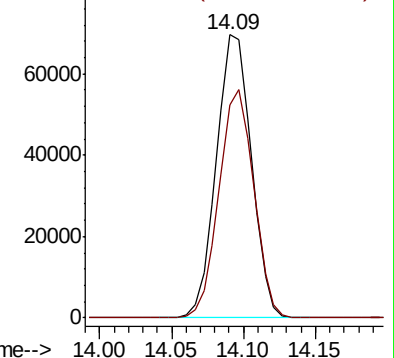
117 100

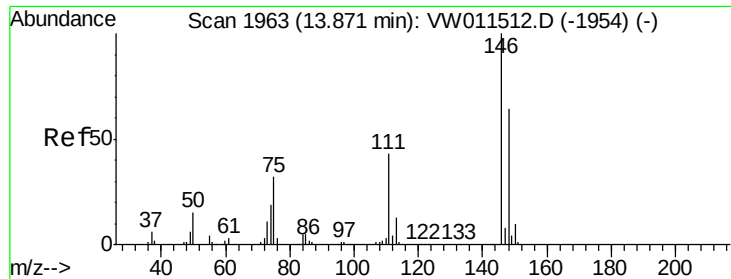
201 80.0 39.4 118.2



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

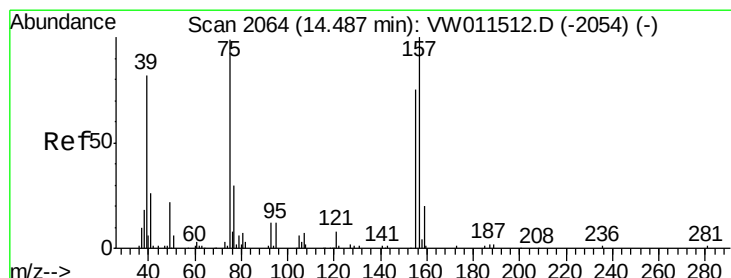
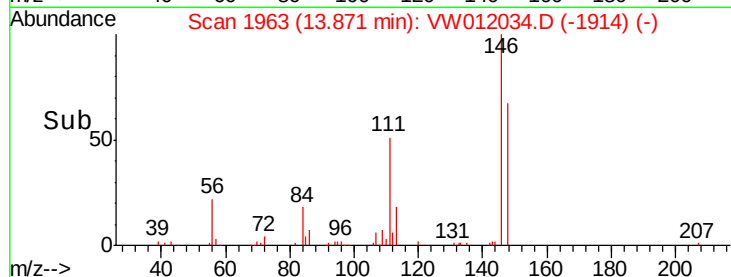
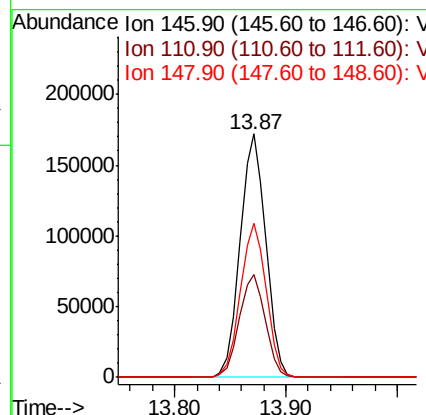
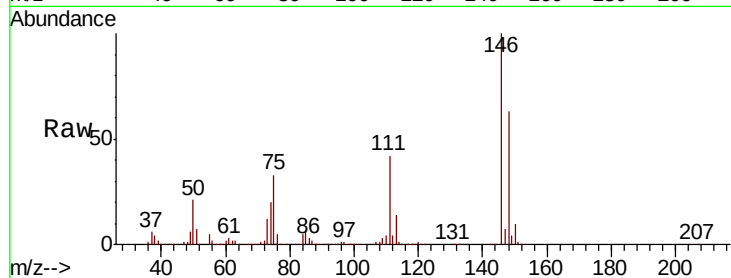




#91
 1,2-Dichlorobenzene
 Concen: 56.385 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012034.D
 Acq: 20 Aug 2019 16:27

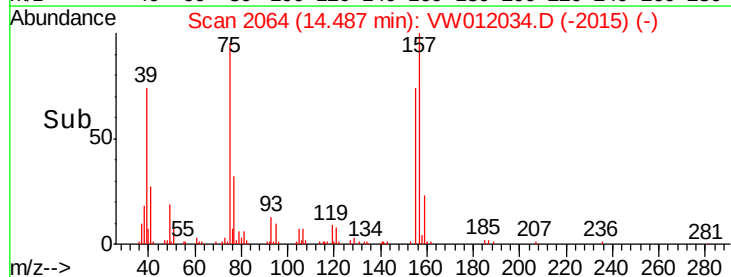
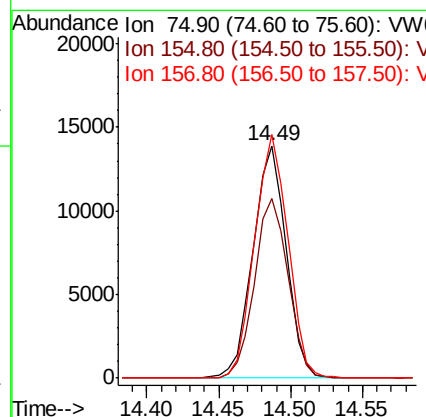
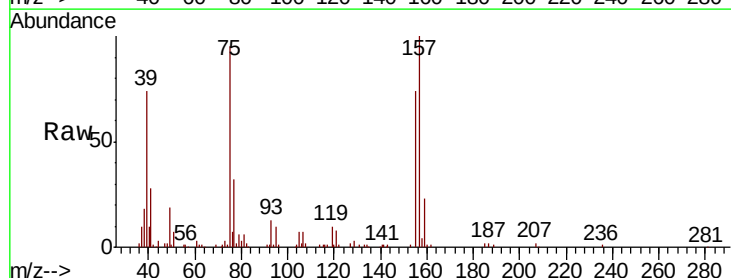
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

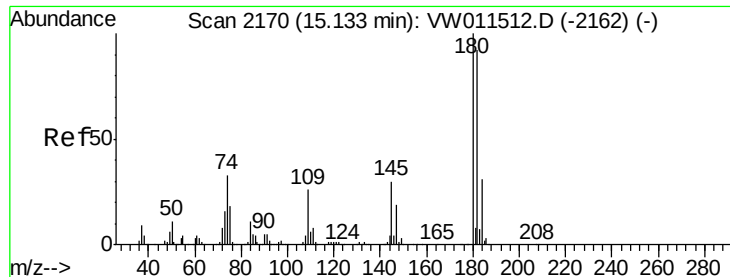
Tgt Ion: 146 Resp: 274819
 Ion Ratio Lower Upper
 146 100
 111 42.7 21.6 65.0
 148 63.6 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.041 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW012034.D
 Acq: 20 Aug 2019 16:27

Tgt Ion: 75 Resp: 22041
 Ion Ratio Lower Upper
 75 100
 155 78.6 38.2 114.6
 157 105.4 48.9 146.7

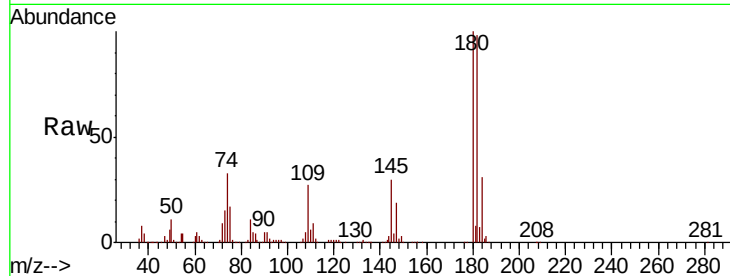




#93
 1,2,4-Trichlorobenzene
 Concen: 57.725 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012034.D
 Acq: 20 Aug 2019 16:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.4	142.2
145	30.3	15.4	46.1

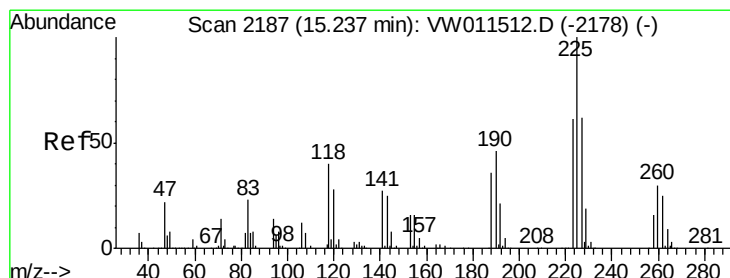
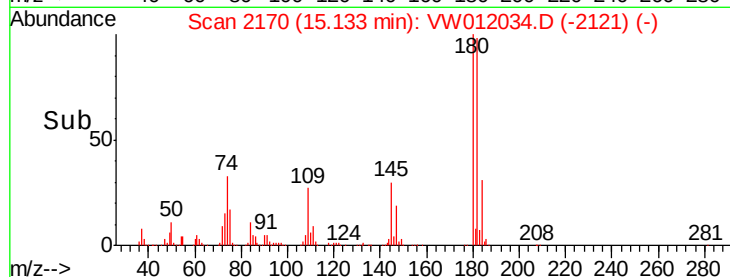
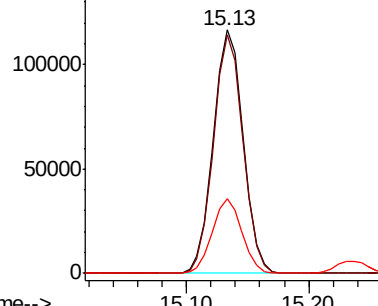


Abundance

Ion 179.80 (179.50 to 180.50): V

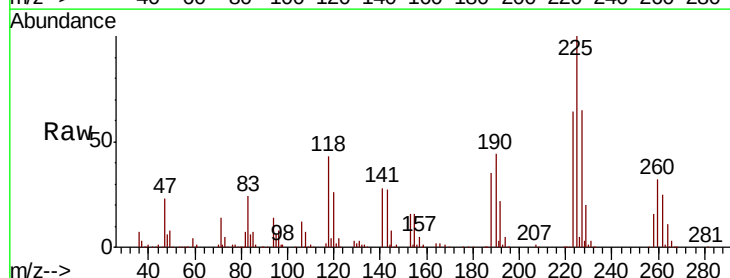
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 59.838 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012034.D
 Acq: 20 Aug 2019 16:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	30.8	92.3
227	64.6	31.6	94.7

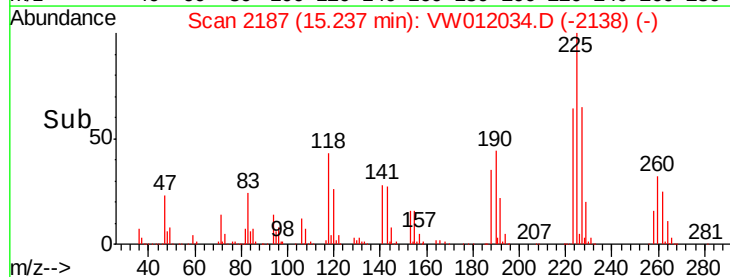
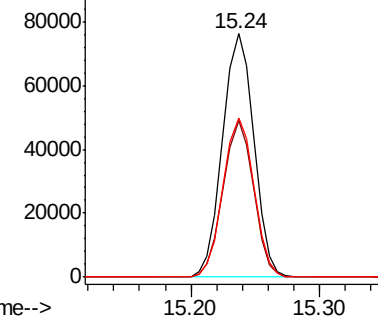


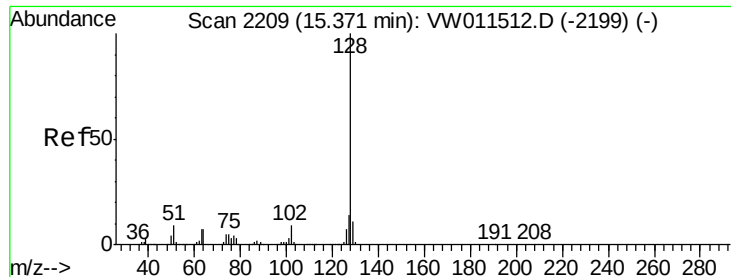
Abundance

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

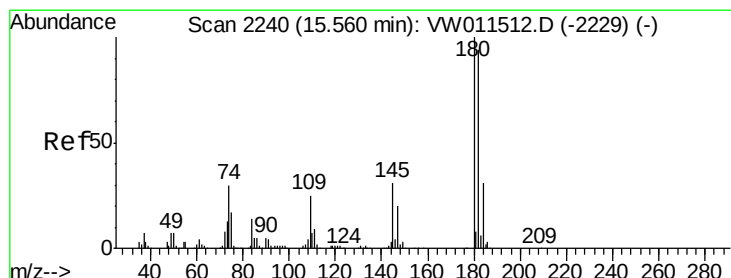
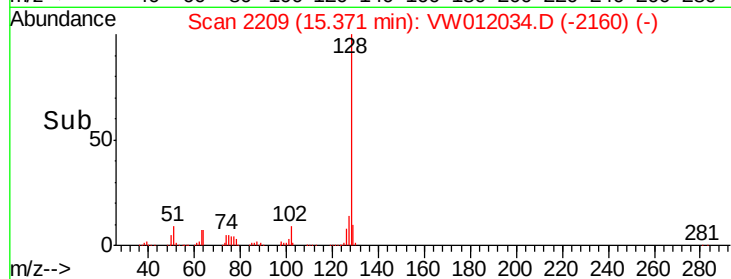
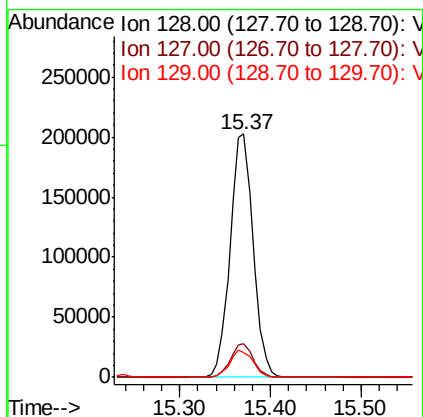
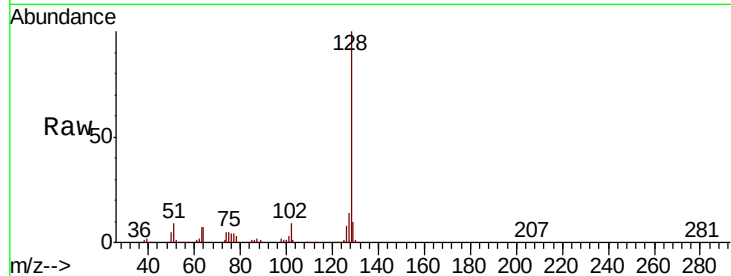




#95
Naphthalene
Concen: 53.555 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW012034.D
Acq: 20 Aug 2019 16:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 361389
Ion Ratio Lower Upper
128 100
127 13.6 10.6 16.0
129 11.0 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 57.238 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW012034.D
Acq: 20 Aug 2019 16:27

Tgt Ion:180 Resp: 172346
Ion Ratio Lower Upper
180 100
182 96.5 47.4 142.2
145 32.1 15.9 47.7

