

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082719\
 Data File : VW012223.D
 Acq On : 27 Aug 2019 21:11
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 28 06:51:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	245797	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	401412	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	348388	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	164682	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	162300	55.55	ug/l	0.00
Spiked Amount			Recovery	=	111.10%	
35) Dibromofluoromethane	7.88	113	132853	55.45	ug/l	0.00
Spiked Amount			Recovery	=	110.90%	
50) Toluene-d8	10.32	98	532821	54.84	ug/l	0.00
Spiked Amount			Recovery	=	109.68%	
62) 4-Bromofluorobenzene	12.62	95	187351	54.71	ug/l	0.00
Spiked Amount			Recovery	=	109.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	77444	51.170	ug/l	98
3) Chloromethane	2.21	50	124380	53.045	ug/l	97
4) Vinyl Chloride	2.36	62	153510	53.489	ug/l	97
5) Bromomethane	2.77	94	82894	57.032	ug/l	97
6) Chloroethane	2.92	64	90187	55.706	ug/l	98
7) Trichlorofluoromethane	3.26	101	83949	58.254	ug/l	98
8) Diethyl Ether	3.68	74	79881	58.399	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	132297	54.009	ug/l	99
10) Methyl Iodide	4.27	142	188382	56.839	ug/l	98
11) Tert butyl alcohol	5.17	59	50171	285.322	ug/l	98
12) 1,1-Dichloroethene	4.04	96	134970	54.744	ug/l	98
13) Acrolein	3.89	56	40281	243.358	ug/l	99
14) Allyl chloride	4.67	41	307432	58.328	ug/l	99
15) Acrylonitrile	5.36	53	196002	289.092	ug/l	99
16) Acetone	4.12	43	176996	236.972	ug/l	99
17) Carbon Disulfide	4.38	76	411547	55.233	ug/l	100
18) Methyl Acetate	4.67	43	106359	57.493	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	238254	59.757	ug/l	97
20) Methylene Chloride	4.91	84	158255	56.047	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	148718	56.251	ug/l	95
22) Diisopropyl ether	6.31	45	569037	58.244	ug/l	98
23) Vinyl Acetate	6.25	43	1788063	297.388	ug/l	100
24) 1,1-Dichloroethane	6.21	63	299535	56.308	ug/l	100
25) 2-Butanone	7.16	43	275437	271.378	ug/l	99
26) 2,2-Dichloropropane	7.16	77	166624	55.340	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	161578	57.202	ug/l	99
28) Bromochloromethane	7.51	49	126447	54.538	ug/l	98
29) Tetrahydrofuran	7.52	42	179684	295.080	ug/l	99
30) Chloroform	7.68	83	273127	56.120	ug/l	98
31) Cyclohexane	7.95	56	270925	51.477	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	215542	55.984	ug/l	99
36) 1,1-Dichloropropene	8.08	75	223888	53.973	ug/l	100
37) Ethyl Acetate	7.25	43	124856	54.927	ug/l	99
38) Carbon Tetrachloride	8.07	117	193318	53.844	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	253224	54.339	ug/l	99
40) Benzene	8.32	78	620967	54.823	ug/l	100
41) Methacrylonitrile	7.48	41	79853	59.771	ug/l	98
42) 1,2-Dichloroethane	8.40	62	193703	54.566	ug/l	98
43) Isopropyl Acetate	8.42	43	241759	57.418	ug/l	100
44) Trichloroethene	9.09	130	153039	55.580	ug/l	99
45) 1,2-Dichloropropane	9.37	63	170703	55.998	ug/l	98
46) Dibromomethane	9.46	93	76553	56.442	ug/l	99
47) Bromodichloromethane	9.64	83	202533	56.108	ug/l	97
48) Methyl methacrylate	9.43	41	117062	58.414	ug/l	99
49) 1,4-Dioxane	9.45	88	20260	975.747	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	618337	288.727	ug/l	100
52) Toluene	10.39	92	378705	55.655	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	213548	58.078	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	252024	56.766	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	107302	55.916	ug/l	97
56) Ethyl methacrylate	10.65	69	165716	59.334	ug/l	99
57) 1,3-Dichloropropane	10.93	76	207828	57.310	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	406155	283.351	ug/l	100
59) 2-Hexanone	10.97	43	415430	274.153	ug/l	99
60) Dibromochloromethane	11.13	129	124505	58.250	ug/l	100
61) 1,2-Dibromoethane	11.23	107	101748	56.913	ug/l	100
64) Tetrachloroethene	10.86	164	124428	55.088	ug/l	99
65) Chlorobenzene	11.66	112	376853	54.934	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	135447	56.597	ug/l	99
67) Ethyl Benzene	11.73	91	731666	55.367	ug/l	99
68) m/p-Xylenes	11.84	106	530339	111.413	ug/l	99
69) o-Xylene	12.16	106	249086	56.538	ug/l	99
70) Styrene	12.18	104	433144	56.801	ug/l	100
71) Bromoform	12.35	173	69120	57.969	ug/l #	99
73) Isopropylbenzene	12.46	105	689585	55.883	ug/l	99
74) N-amyl acetate	12.27	43	219434	58.858	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	128112	56.630	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	85570m	53.352	ug/l	
77) Bromobenzene	12.74	156	152297	57.049	ug/l	97
78) n-propylbenzene	12.80	91	837348	55.584	ug/l	99
79) 2-Chlorotoluene	12.89	91	472781	55.278	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	580121	56.261	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	43754	59.812	ug/l	96
82) 4-Chlorotoluene	12.99	91	496160	55.404	ug/l	99
83) tert-Butylbenzene	13.21	119	496911	56.891	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	577916	55.795	ug/l	100
85) sec-Butylbenzene	13.38	105	693053	55.384	ug/l	100
86) p-Isopropyltoluene	13.50	119	624127	55.848	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	289948	55.528	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	284196	54.814	ug/l	100
89) n-Butylbenzene	13.82	91	614173	55.265	ug/l	100
90) Hexachloroethane	14.09	117	112920	57.592	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	254858	55.637	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	21764	57.066	ug/l	95

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Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
Response via : Initial Calibration

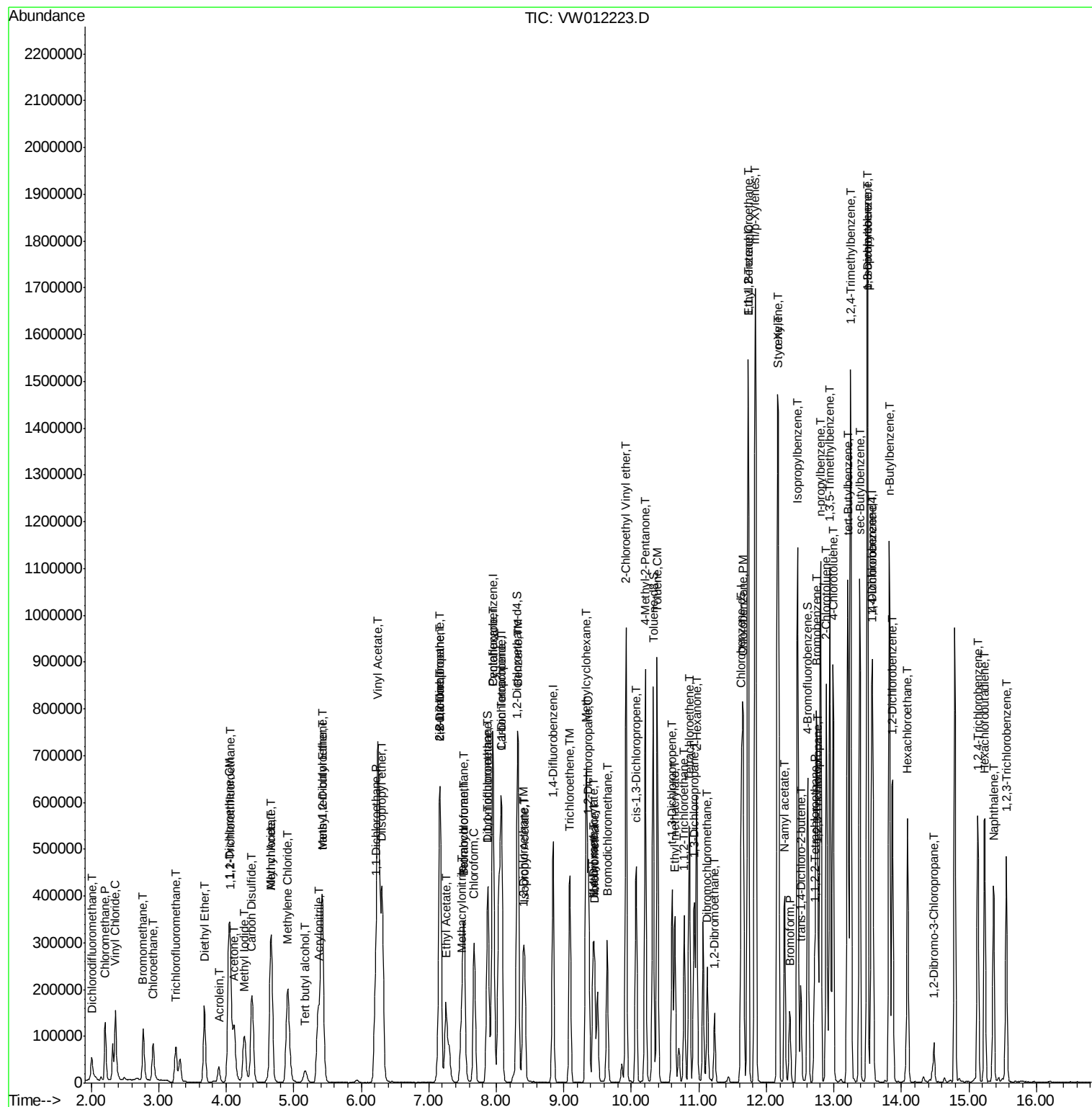
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	176388	55.721	ug/l	99
94) Hexachlorobutadiene	15.24	225	116373	55.675	ug/l	98
95) Naphthalene	15.36	128	342531	54.698	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	159097	57.605	ug/l	100

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW082719\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012223.D

Acq: 27 Aug 2019 21:11

Instrument :

MSVOA_W

ClientSampleId :

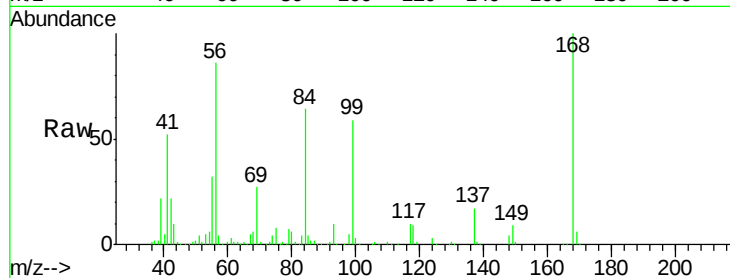
VSTDCCC050

Tot Ion:168 Resp: 245797

Ion Ratio Lower Upper

168 100

99 59.3 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

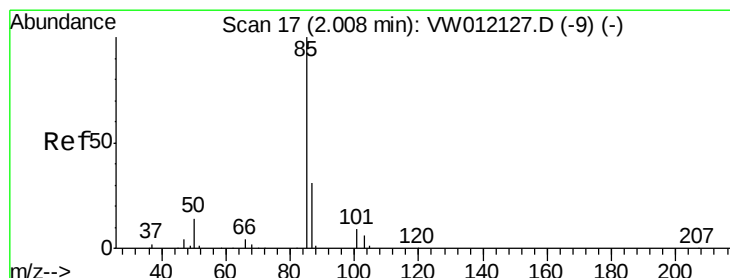
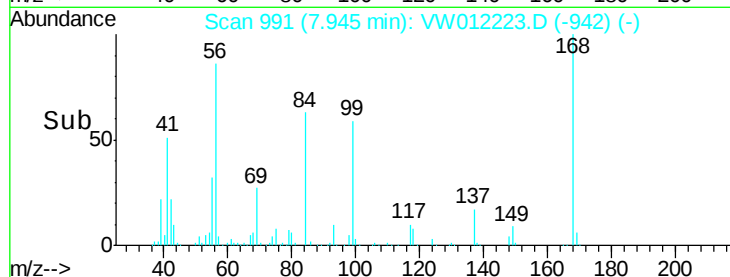
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 51.170 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012223.D

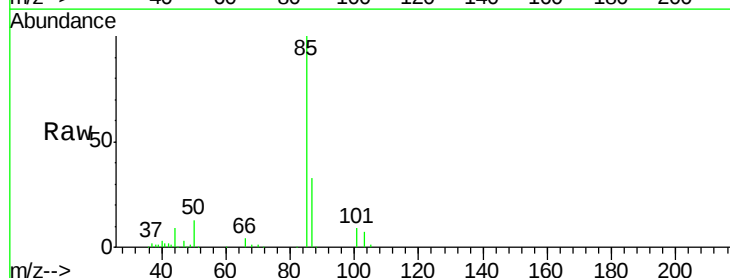
Acq: 27 Aug 2019 21:11

Tgt Ion: 85 Resp: 77444

Ion Ratio Lower Upper

85 100

87 32.5 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

30000

25000

20000

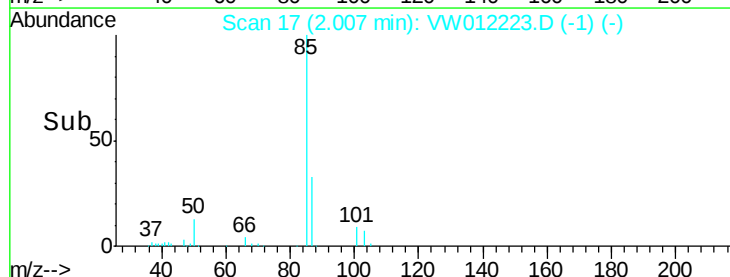
15000

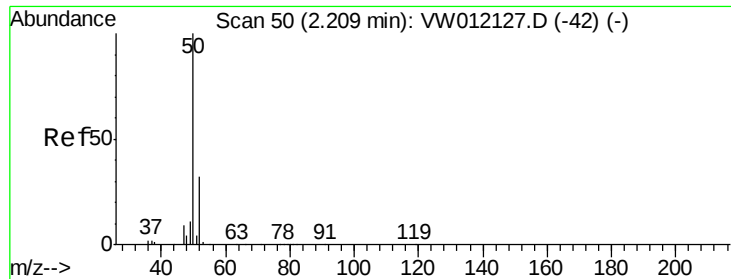
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 53.045 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012223.D

Acq: 27 Aug 2019 21:11

Instrument :

MSVOA_W

ClientSampleId :

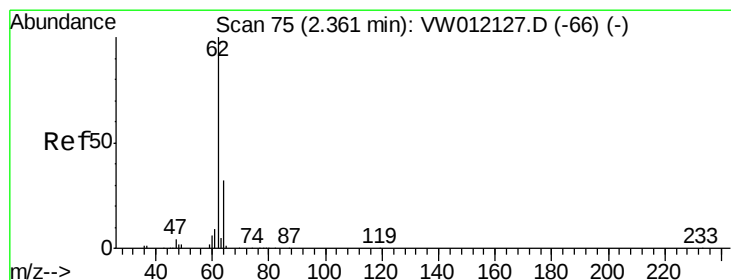
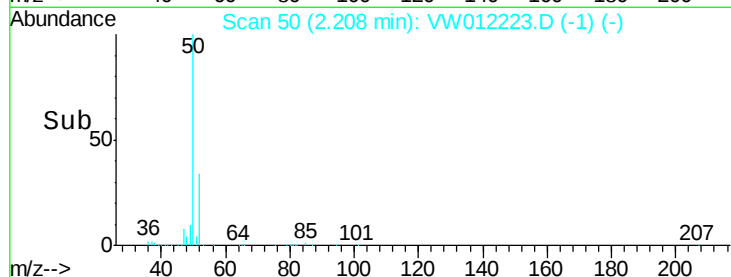
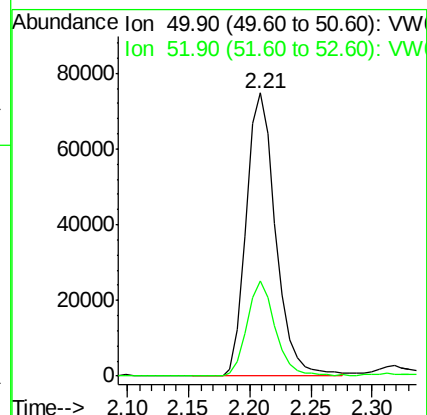
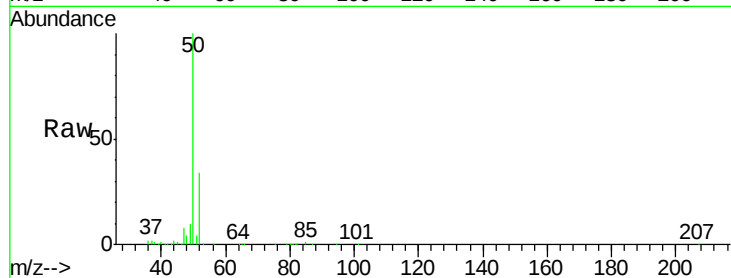
VSTDCCC050

Tot Ion: 50 Resp: 124380

Ion Ratio Lower Upper

50 100

52 33.6 25.5 38.3



#4

Vinyl Chloride

Concen: 53.489 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012223.D

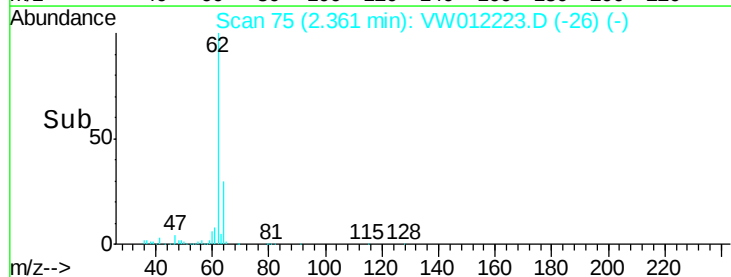
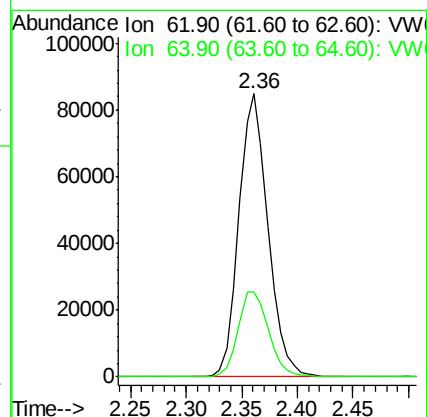
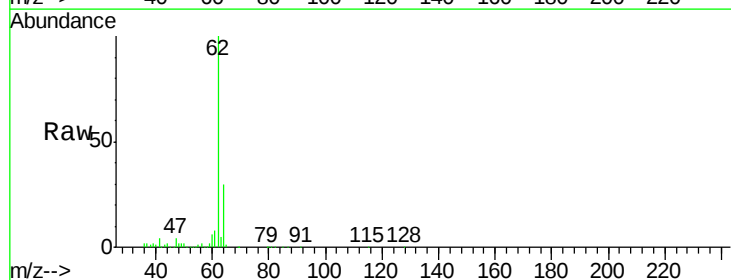
Acq: 27 Aug 2019 21:11

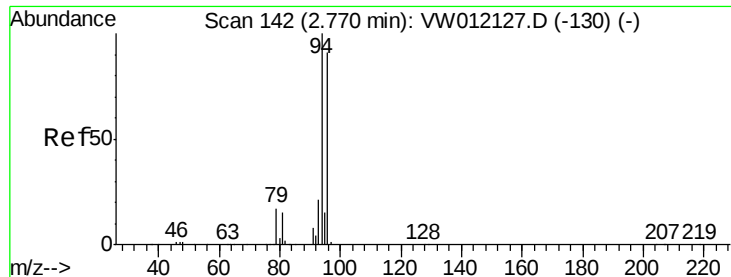
Tgt Ion: 62 Resp: 153510

Ion Ratio Lower Upper

62 100

64 30.1 25.3 37.9





#5

Bromomethane

Concen: 57.032 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW012223.D

Acq: 27 Aug 2019 21:11

Instrument :

MSVOA_W

ClientSampleId :

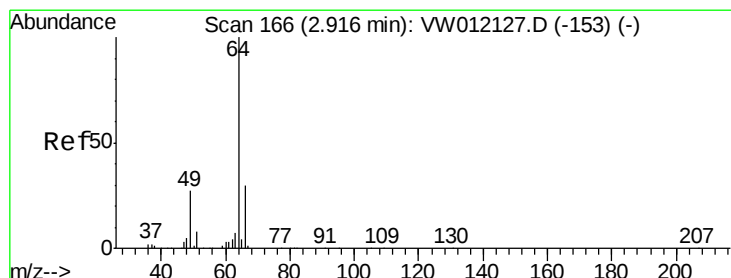
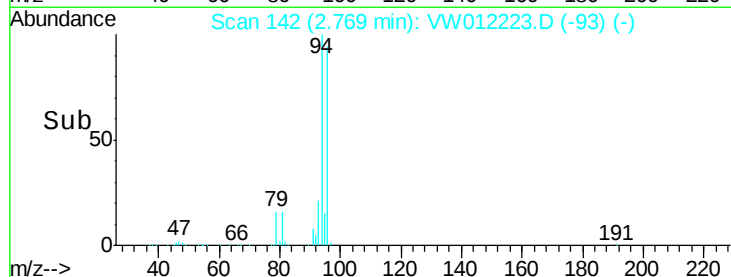
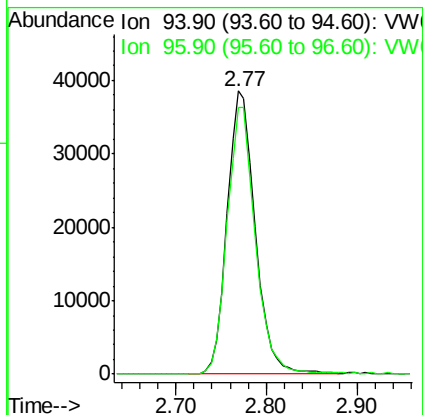
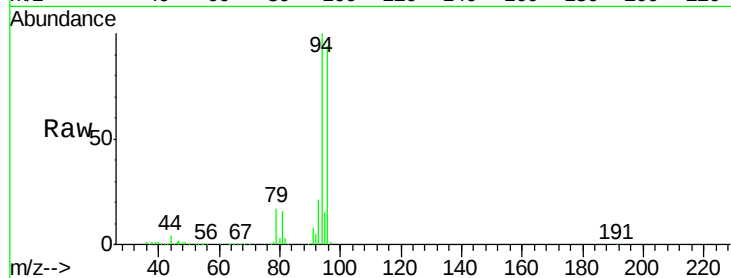
VSTDCCC050

Tot Ion: 94 Resp: 82894

Ion Ratio Lower Upper

94 100

96 94.1 72.9 109.3



#6

Chloroethane

Concen: 55.706 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW012223.D

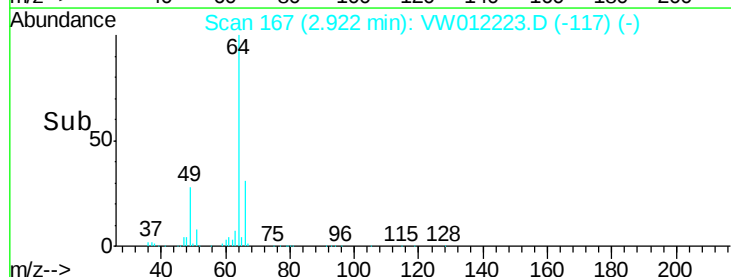
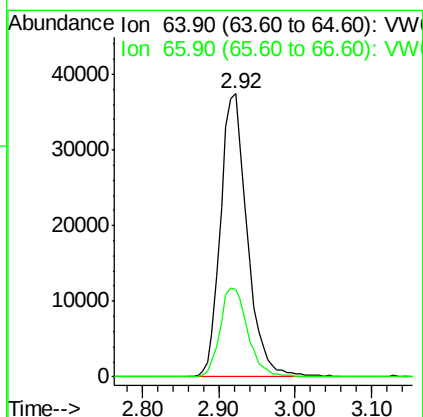
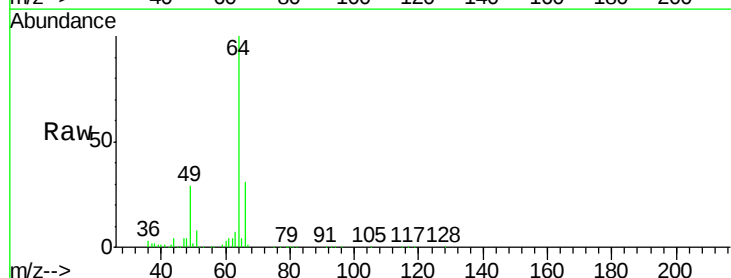
Acq: 27 Aug 2019 21:11

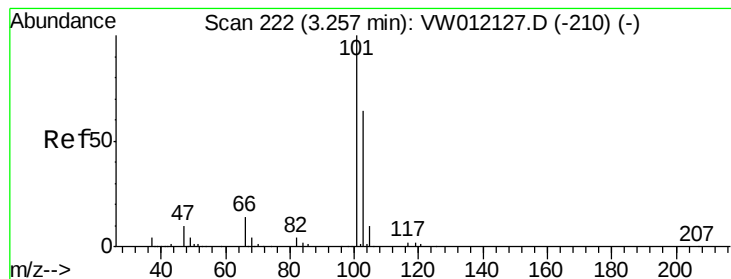
Tgt Ion: 64 Resp: 90187

Ion Ratio Lower Upper

64 100

66 30.8 23.8 35.8



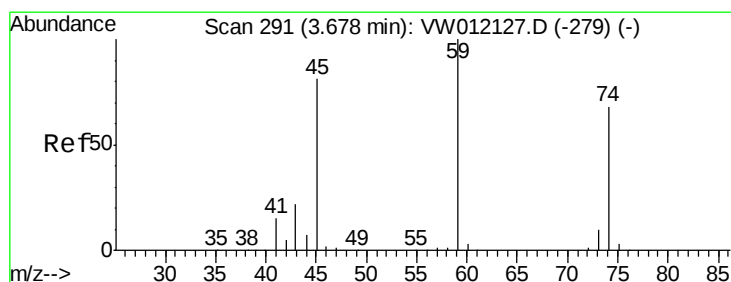
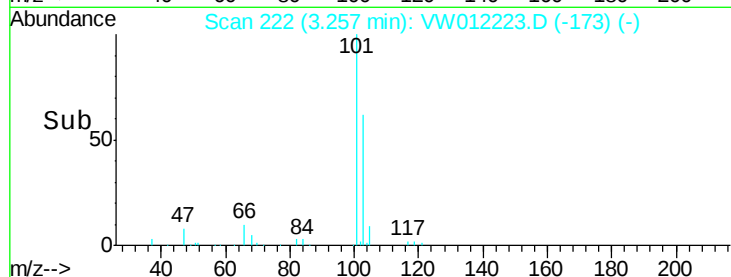
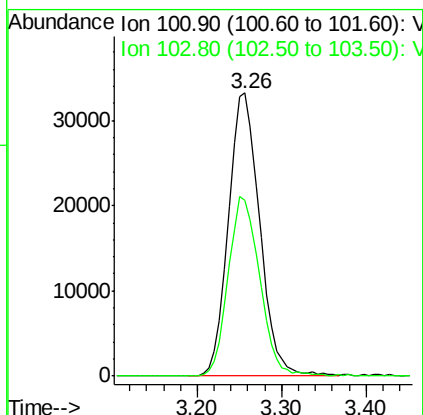
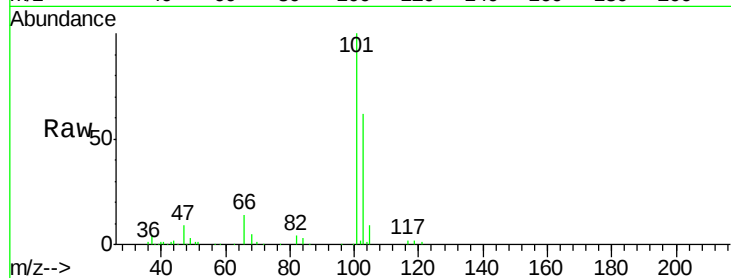


#7

Trichlorofluoromethane
 Concen: 58.254 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW012223.D
 Acq: 27 Aug 2019 21:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

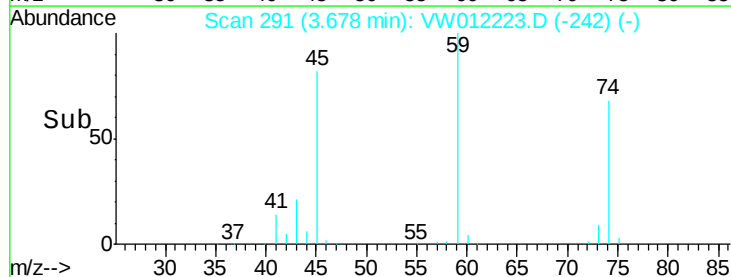
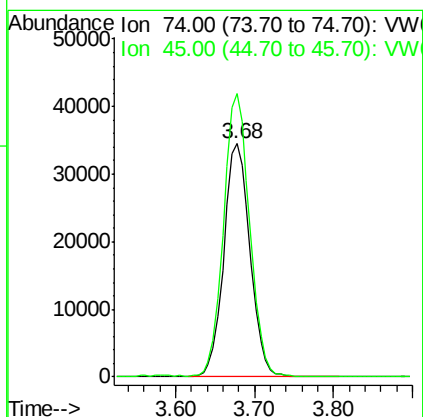
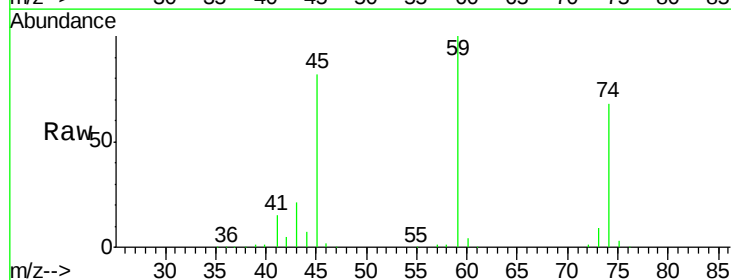
Tot Ion:101 Resp: 83949
 Ion Ratio Lower Upper
 101 100
 103 62.2 51.2 76.8

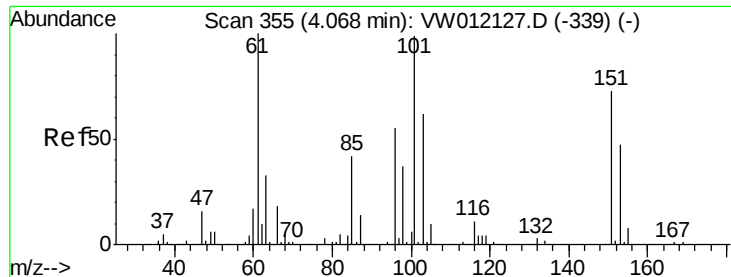


#8

Diethyl Ether
 Concen: 58.399 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012223.D
 Acq: 27 Aug 2019 21:11

Tgt Ion: 74 Resp: 79881
 Ion Ratio Lower Upper
 74 100
 45 120.2 59.2 177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.009 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012223.D

Acq: 27 Aug 2019 21:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

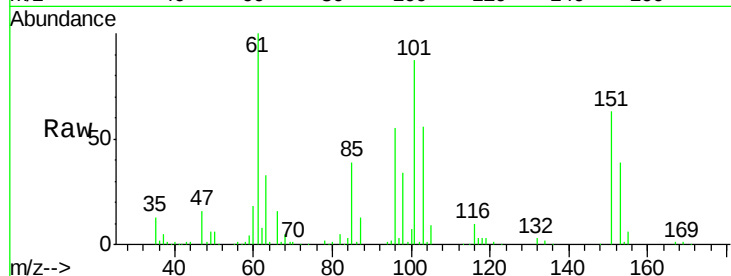
Tot Ion:101 Resp: 132297

Ion Ratio Lower Upper

101 100

85 45.1 35.8 53.6

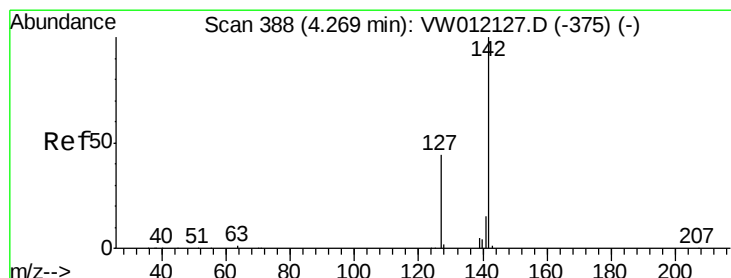
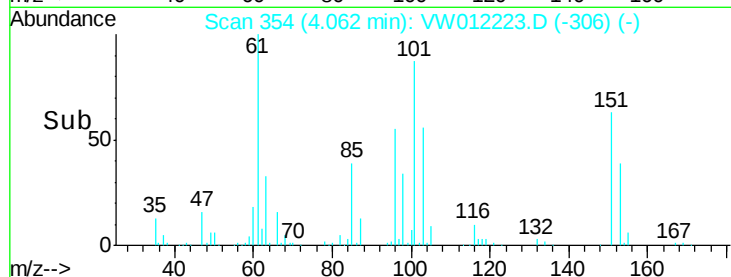
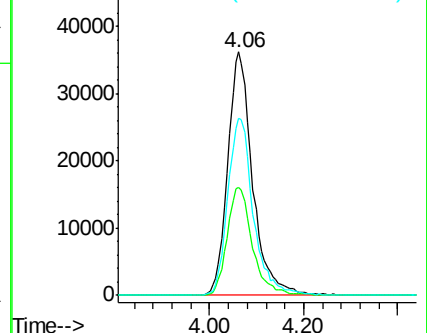
151 74.9 58.6 87.8



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: 56.839 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW012223.D

Acq: 27 Aug 2019 21:11

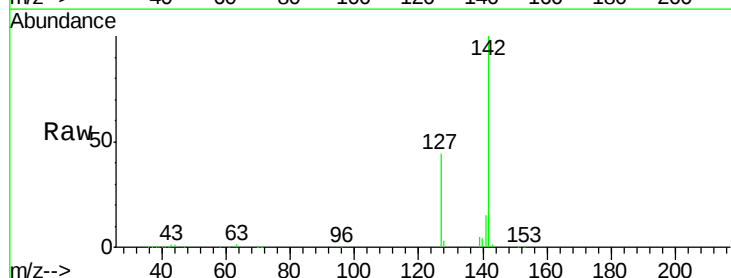
Tgt Ion:142 Resp: 188382

Ion Ratio Lower Upper

142 100

127 43.0 35.5 53.3

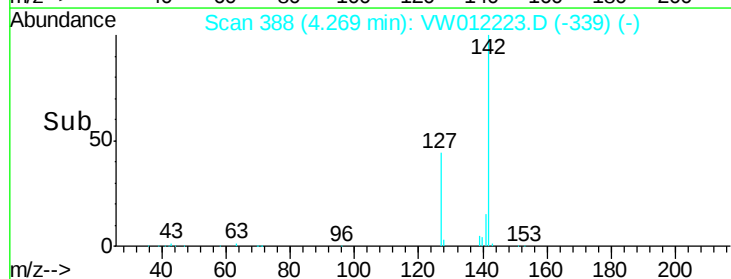
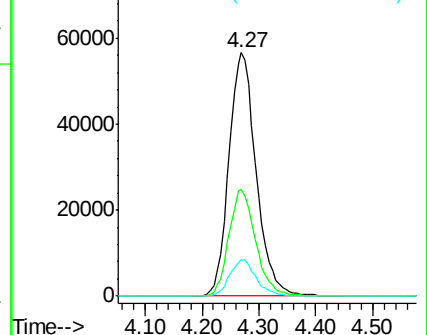
141 14.4 11.8 17.8

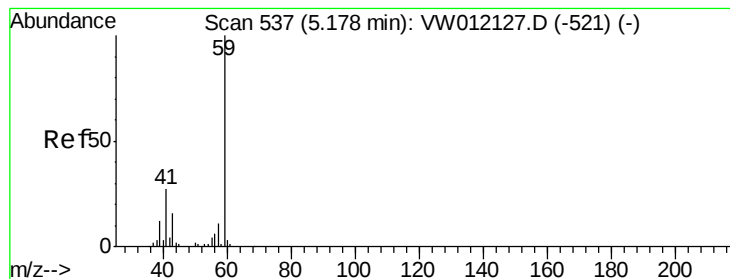


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



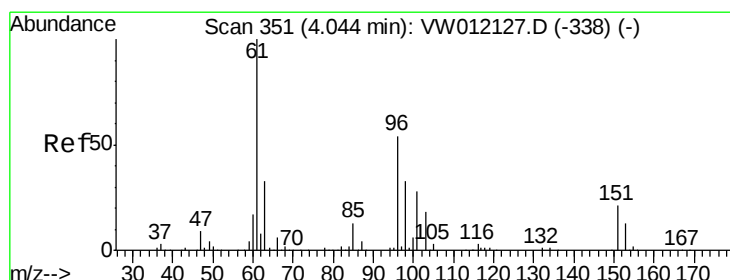
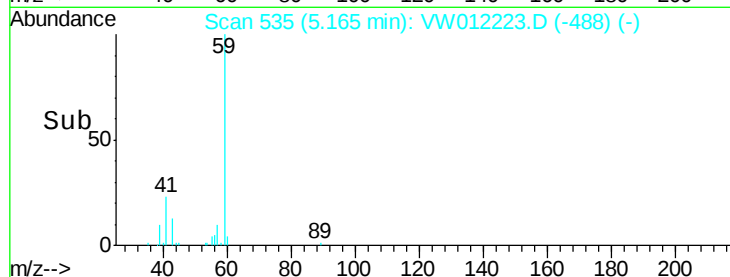
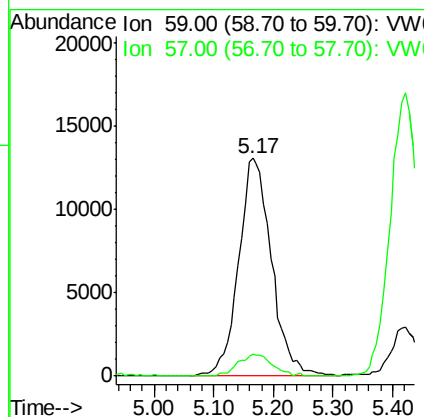
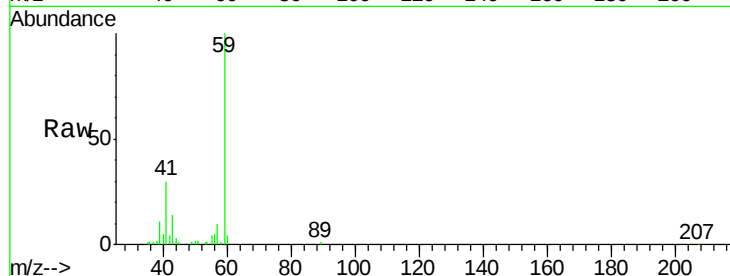


#11

Tert butyl alcohol
Concen: 285.322 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW012223.D
Acq: 27 Aug 2019 21:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

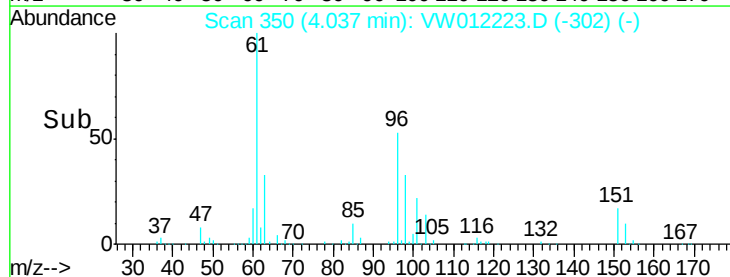
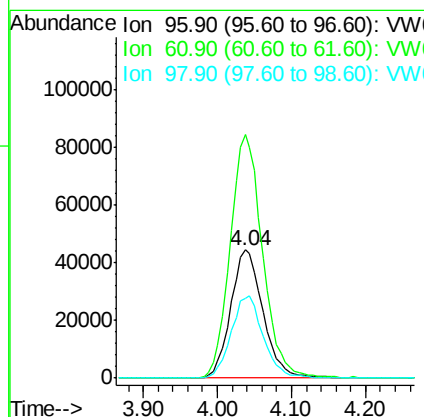
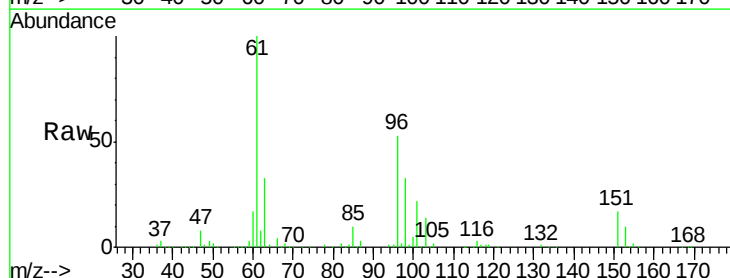
Tot Ion: 59 Resp: 50171
Ion Ratio Lower Upper
59 100
57 10.6 9.0 13.4

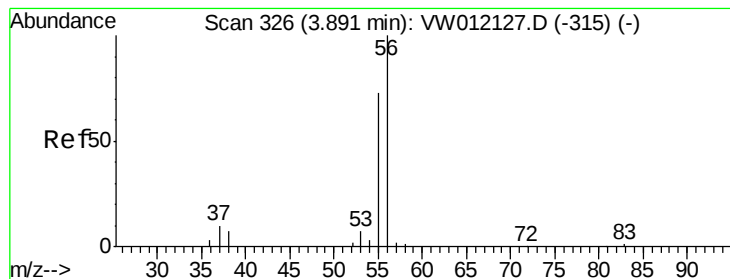


#12

1,1-Dichloroethene
Concen: 54.744 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW012223.D
Acq: 27 Aug 2019 21:11

Tgt Ion: 96 Resp: 134970
Ion Ratio Lower Upper
96 100
61 189.8 149.1 223.7
98 61.7 49.4 74.2





#13

Acrolein

Concen: 243.358 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW012223.D

Acq: 27 Aug 2019 21:11

Instrument :

MSVOA_W

ClientSampleId :

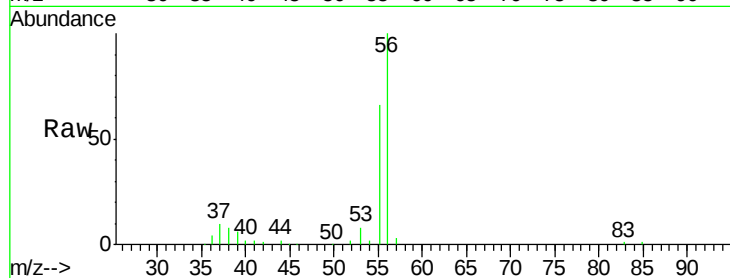
VSTDCCC050

Tot Ion: 56 Resp: 40281

Ion Ratio Lower Upper

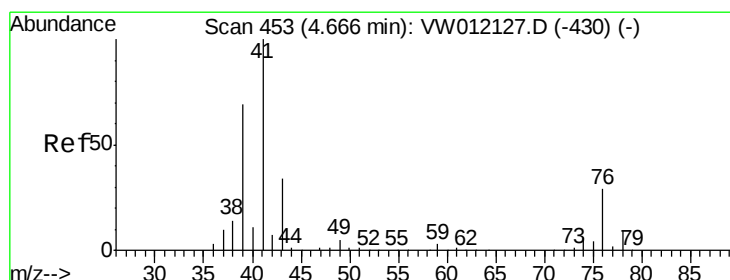
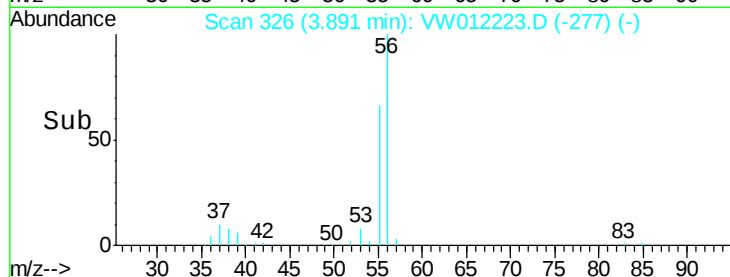
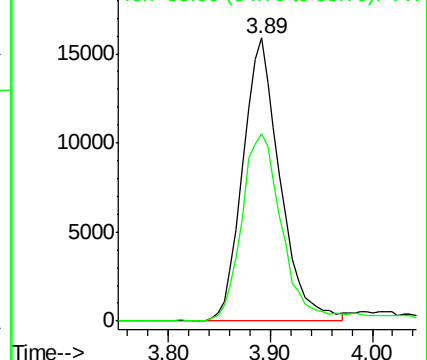
56 100

55 70.8 55.8 83.8



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 58.328 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012223.D

Acq: 27 Aug 2019 21:11

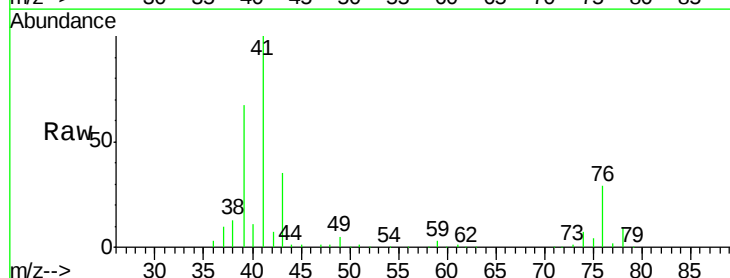
Tgt Ion: 41 Resp: 307432

Ion Ratio Lower Upper

41 100

39 65.6 53.4 80.2

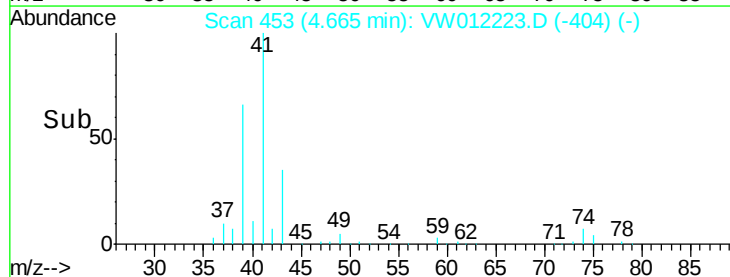
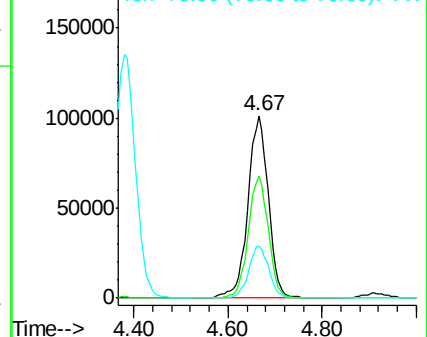
76 27.6 22.1 33.1

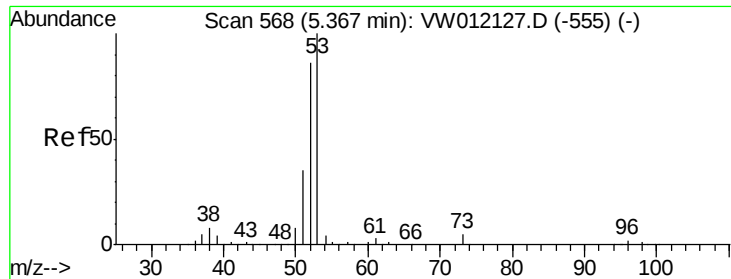


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 289.092 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012223.D

Acq: 27 Aug 2019 21:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

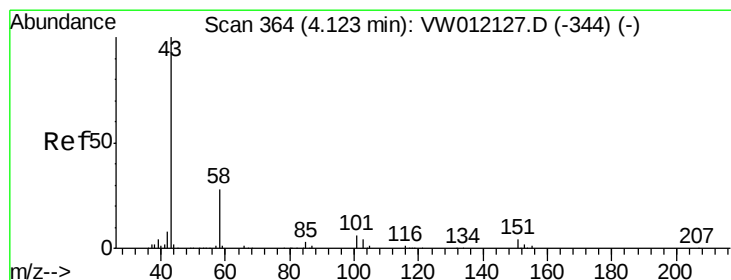
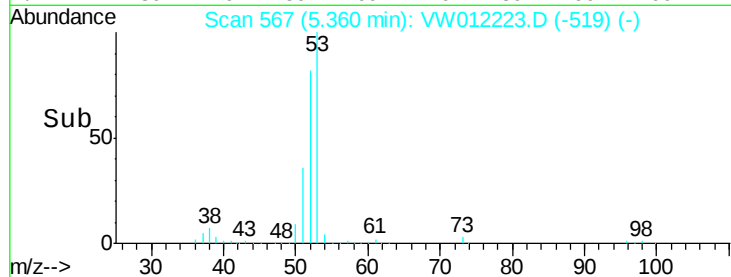
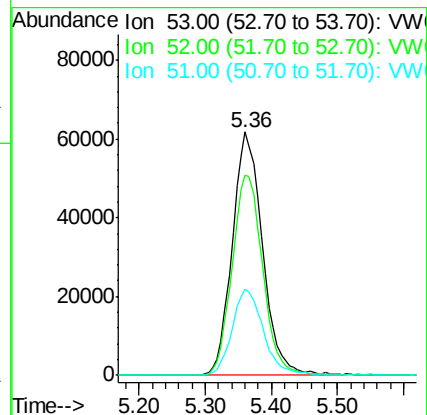
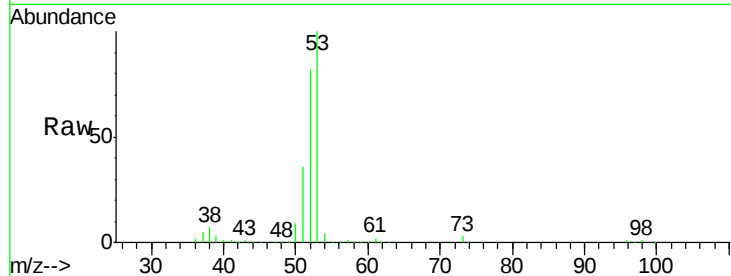
Tot Ion: 53 Resp: 196002

Ion Ratio Lower Upper

53 100

52 83.0 66.7 100.1

51 36.7 30.1 45.1



#16

Acetone

Concen: 236.972 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW012223.D

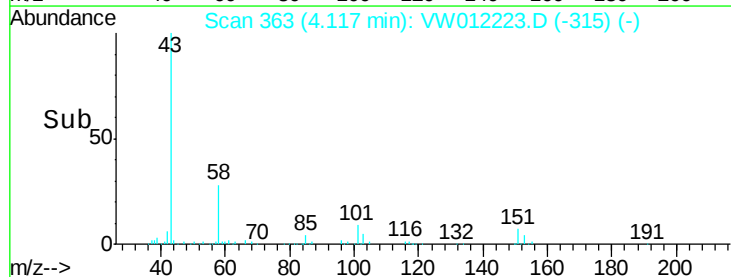
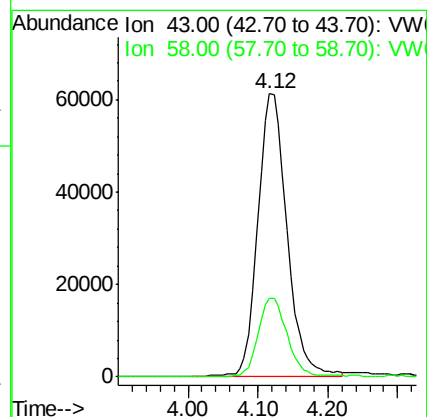
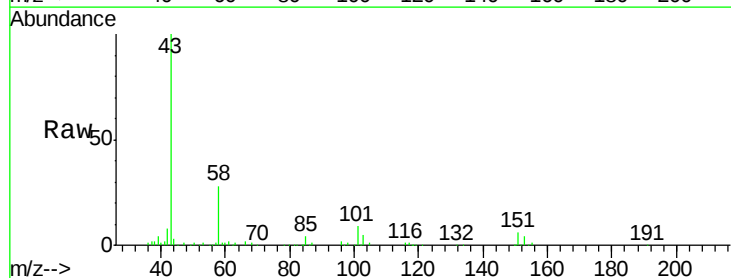
Acq: 27 Aug 2019 21:11

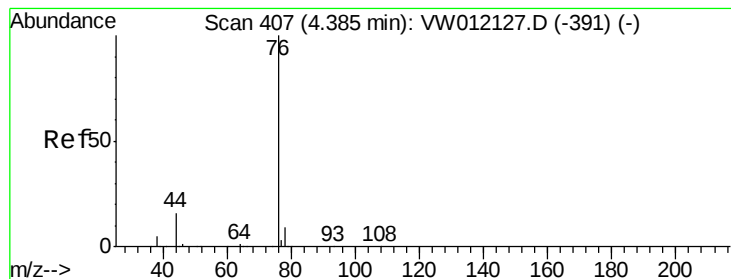
Tgt Ion: 43 Resp: 176996

Ion Ratio Lower Upper

43 100

58 27.5 22.4 33.6





#17

Carbon Disulfide

Concen: 55.233 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW012223.D

Acq: 27 Aug 2019 21:11

Instrument :

MSVOA_W

ClientSampleId :

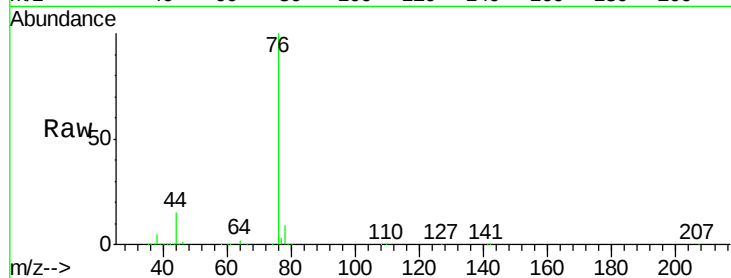
VSTDCCC050

Tot Ion: 76 Resp: 411547

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.38

150000

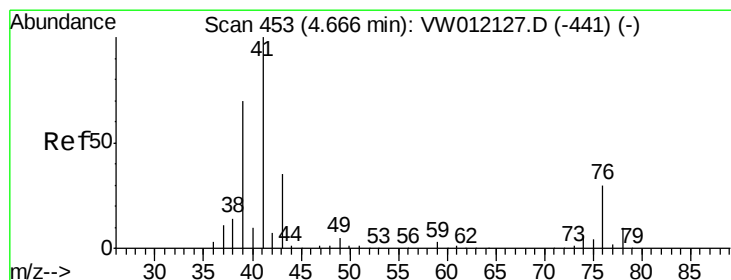
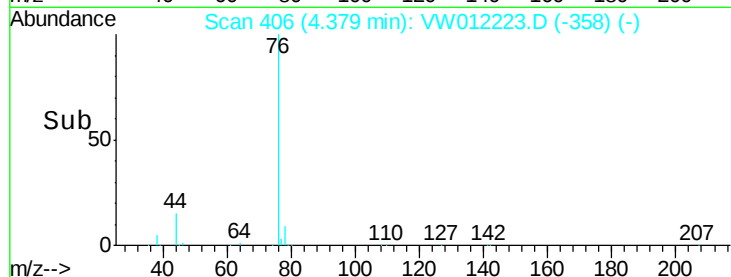
100000

50000

0

4.20 4.40 4.60

Time-->



#18

Methyl Acetate

Concen: 57.493 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012223.D

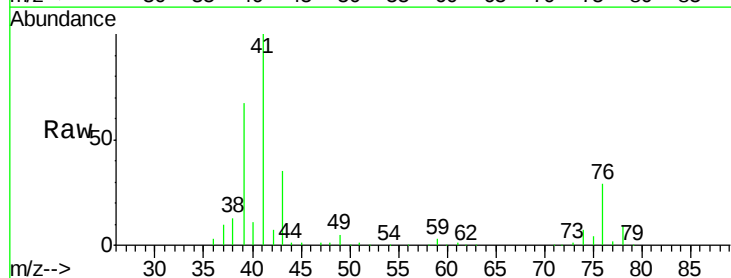
Acq: 27 Aug 2019 21:11

Tgt Ion: 43 Resp: 106359

Ion Ratio Lower Upper

43 100

74 19.2 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

40000

30000

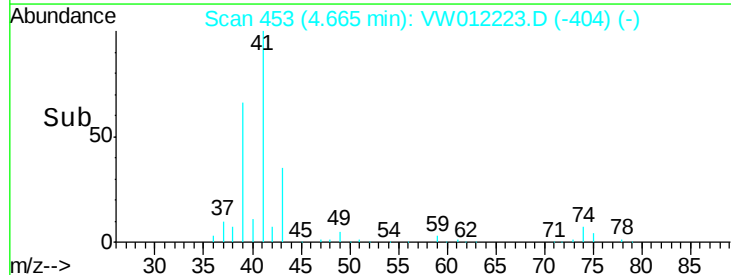
20000

10000

0

4.50 4.60 4.70 4.80

Time-->

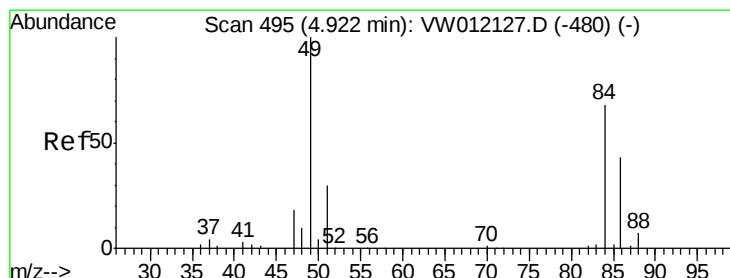
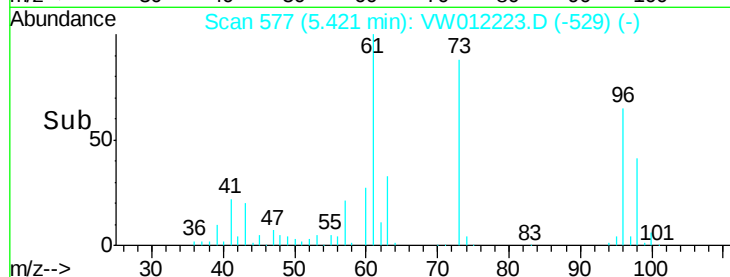
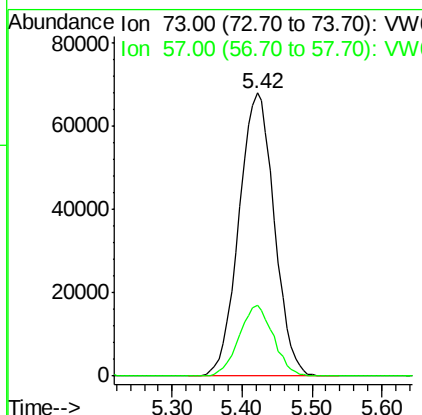
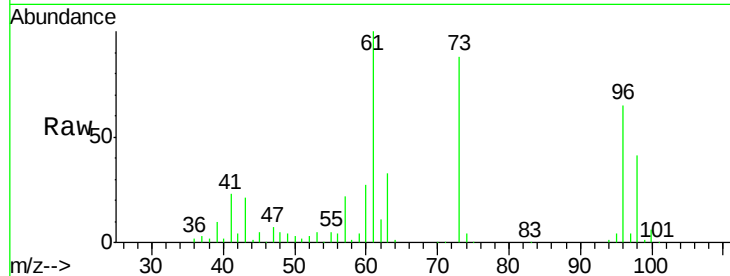




#19
Methyl tert-butyl Ether
Concen: 59.757 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012223.D
Acq: 27 Aug 2019 21:11

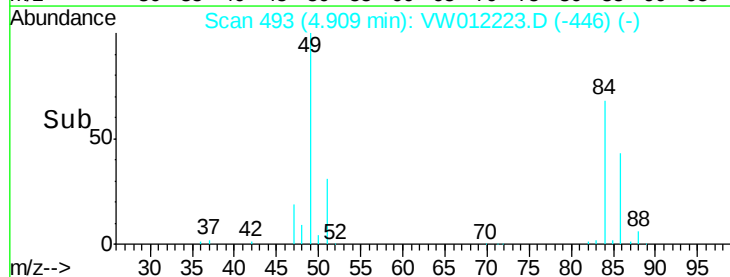
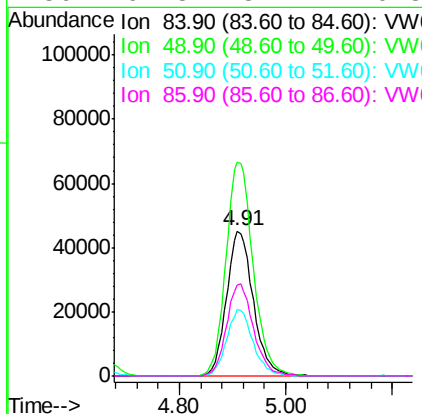
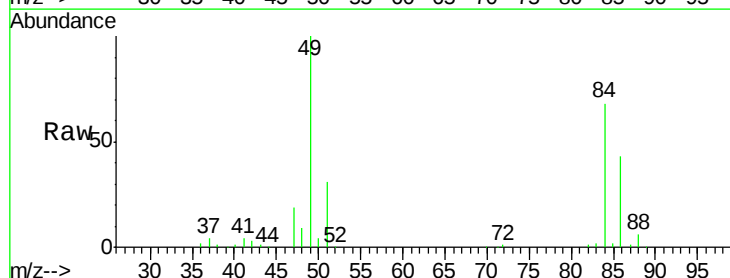
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

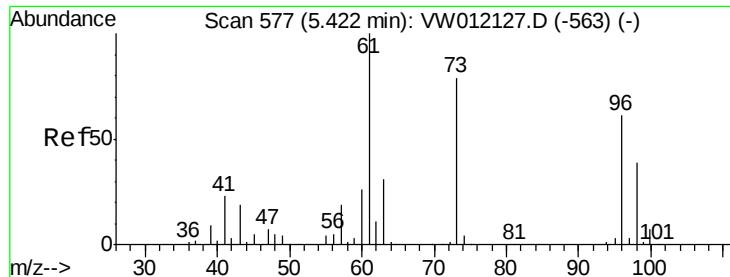
Tot Ion: 73 Resp: 238254
Ion Ratio Lower Upper
73 100
57 24.9 18.9 28.3



#20
Methylene Chloride
Concen: 56.047 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012223.D
Acq: 27 Aug 2019 21:11

Tgt Ion: 84 Resp: 158255
Ion Ratio Lower Upper
84 100
49 147.1 117.8 176.8
51 45.4 35.6 53.4
86 62.8 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 56.251 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW012223.D

Acq: 27 Aug 2019 21:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

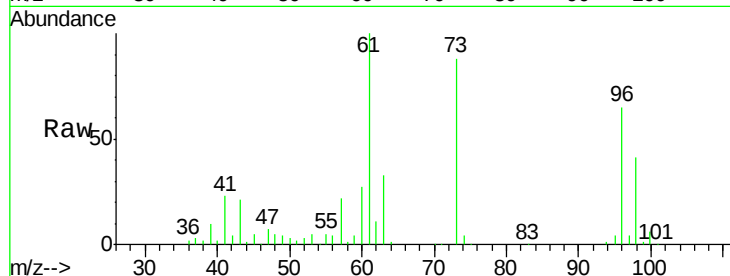
Tot Ion: 96 Resp: 148718

Ion Ratio Lower Upper

96 100

61 154.6 131.4 197.0

98 63.8 51.4 77.0

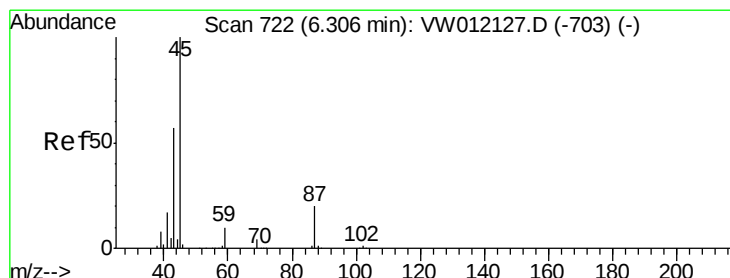
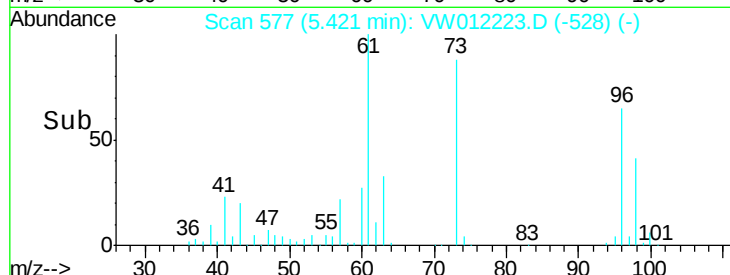
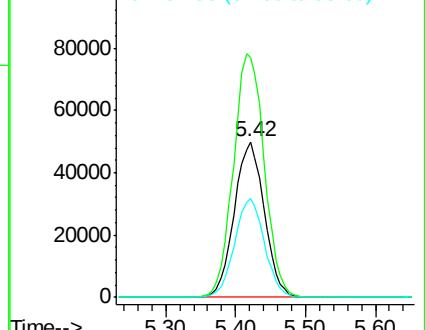


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 58.244 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW012223.D

Acq: 27 Aug 2019 21:11

Tgt Ion: 45 Resp: 569037

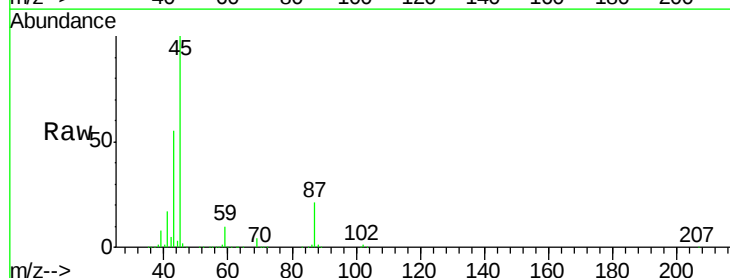
Ion Ratio Lower Upper

45 100

43 55.2 45.5 68.3

87 21.2 16.1 24.1

59 10.0 8.2 12.2



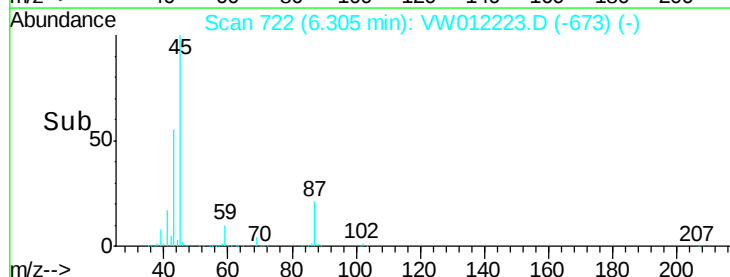
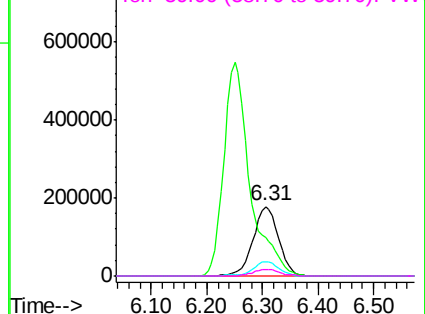
Abundance

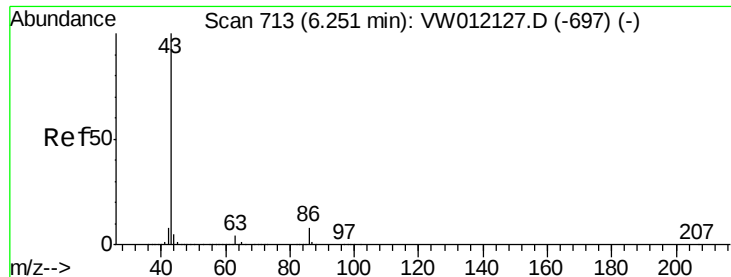
Ion 45.00 (44.70 to 45.70): VW

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: 297.388 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012223.D

Acq: 27 Aug 2019 21:11

Instrument :

MSVOA_W

ClientSampleId :

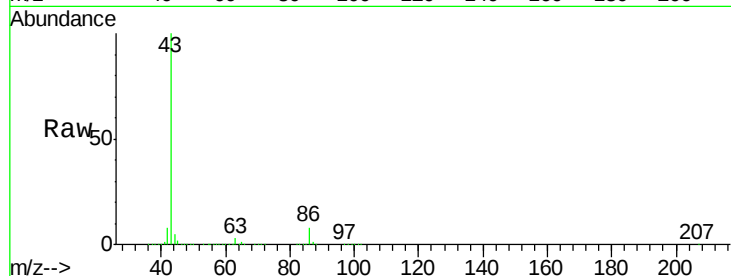
VSTDCCC050

Tot Ion: 43 Resp: 1788063

Ion Ratio Lower Upper

43 100

86 8.1 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

600000

500000

400000

300000

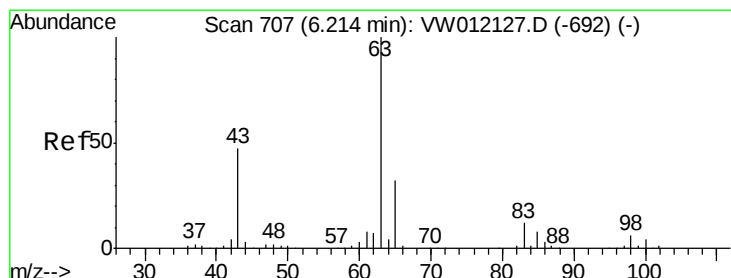
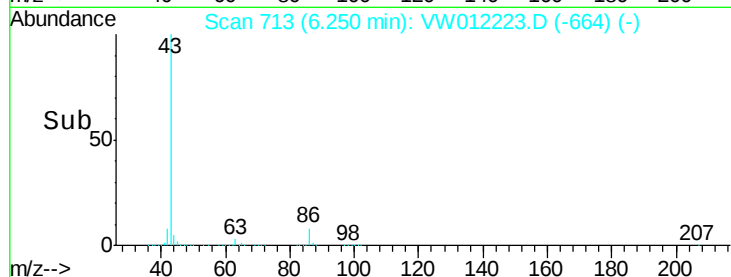
200000

100000

0

6.20 6.40

Time-->



#24

1,1-Dichloroethane

Concen: 56.308 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012223.D

Acq: 27 Aug 2019 21:11

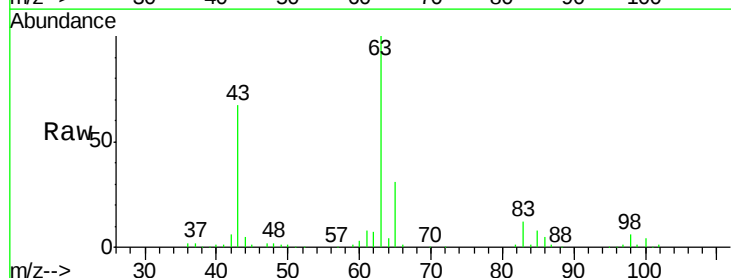
Tgt Ion: 63 Resp: 299535

Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.2

100 3.8 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.21

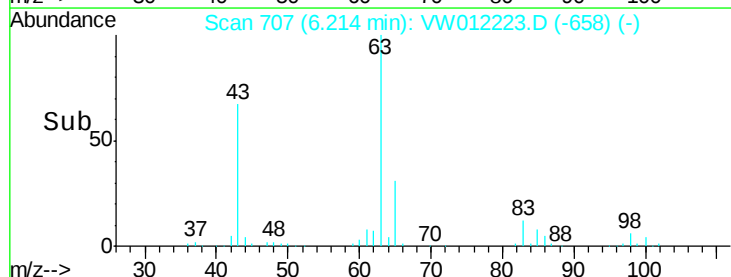
100000

50000

0

6.10 6.20 6.30

Time-->





#25

2-Butanone

Concen: 271.378 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW012223.D

Acq: 27 Aug 2019 21:11

Instrument :

MSVOA_W

ClientSampleId :

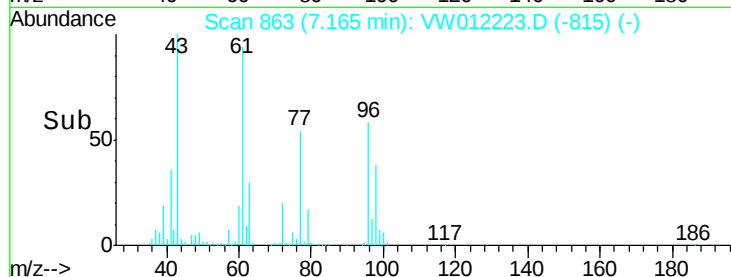
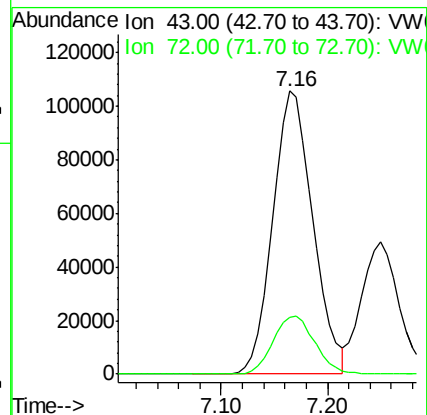
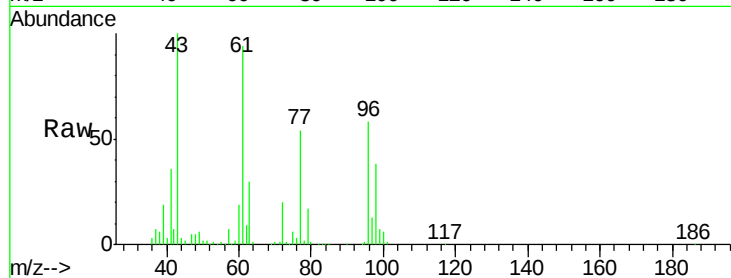
VSTDCCC050

Tot Ion: 43 Resp: 275437

Ion Ratio Lower Upper

43 100

72 20.3 16.6 24.8



#26

2,2-Dichloropropane

Concen: 55.340 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012223.D

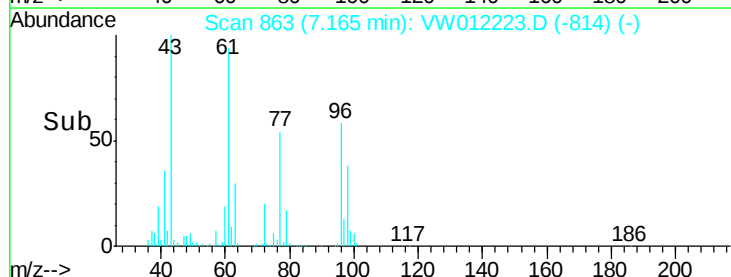
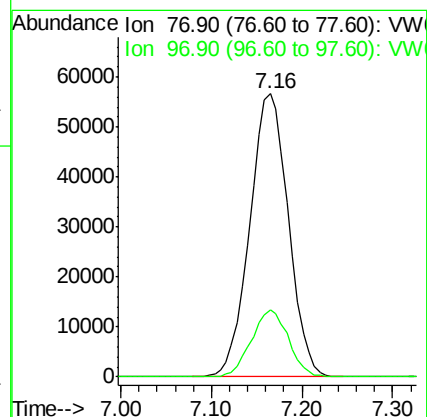
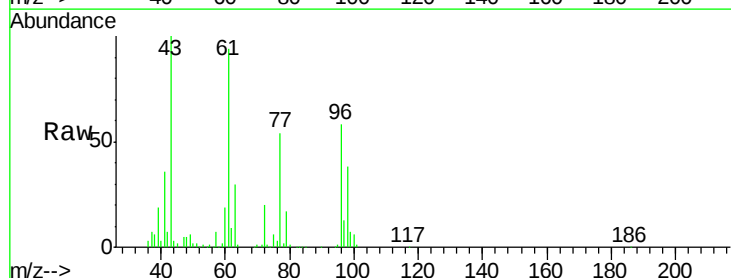
Acq: 27 Aug 2019 21:11

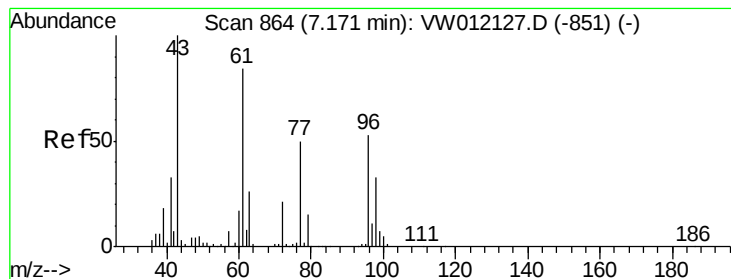
Tgt Ion: 77 Resp: 166624

Ion Ratio Lower Upper

77 100

97 22.7 11.1 33.1



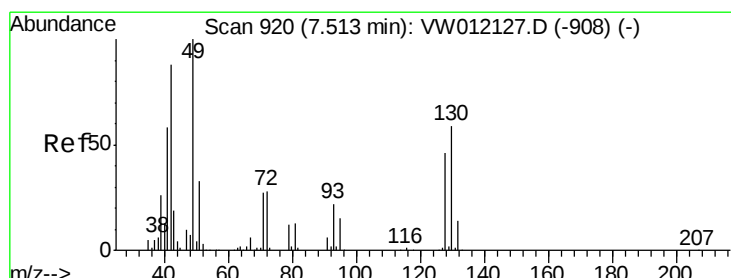
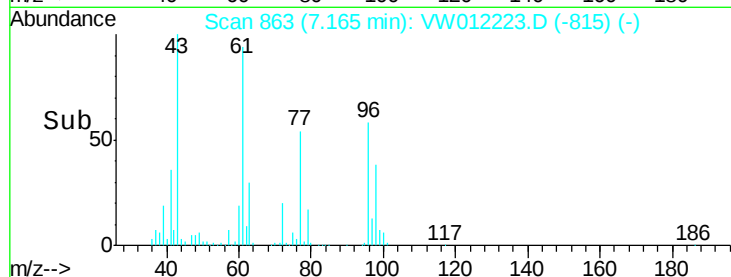
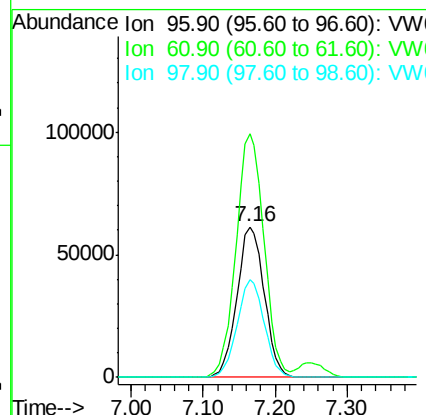
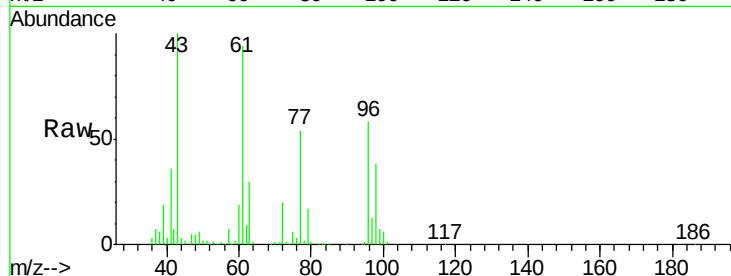


#27

cis-1,2-Dichloroethene
Concen: 57.202 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012223.D
Acq: 27 Aug 2019 21:11

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

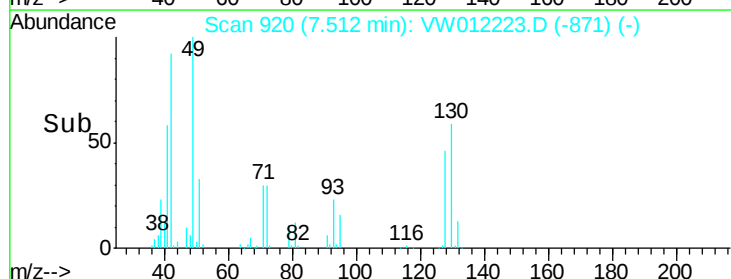
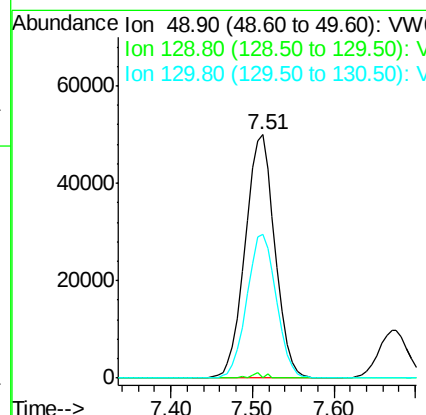
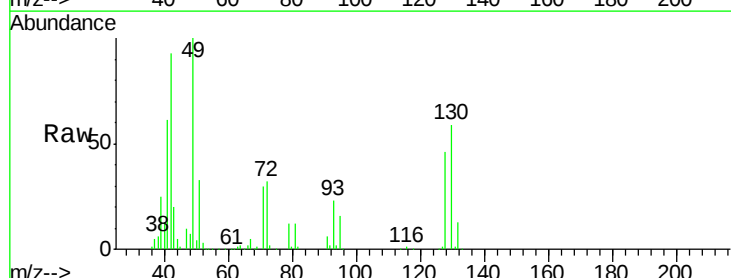
Tot Ion: 96 Resp: 161578
Ion Ratio Lower Upper
96 100
61 165.2 0.0 326.6
98 64.3 0.0 127.4

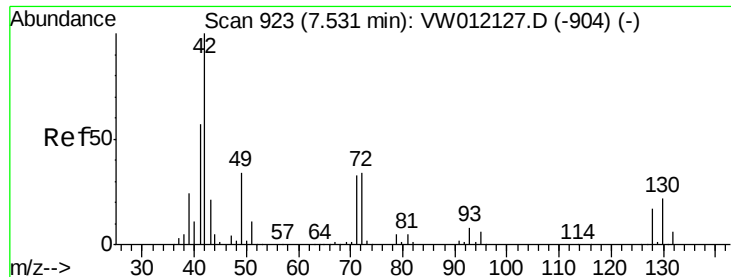


#28

Bromochloromethane
Concen: 54.538 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW012223.D
Acq: 27 Aug 2019 21:11

Tgt Ion: 49 Resp: 126447
Ion Ratio Lower Upper
49 100
129 1.0 0.0 1.4
130 58.7 45.5 68.3

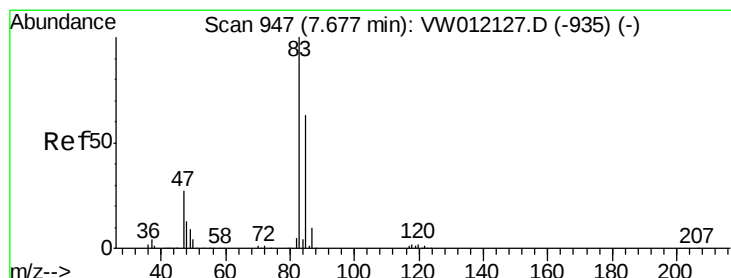
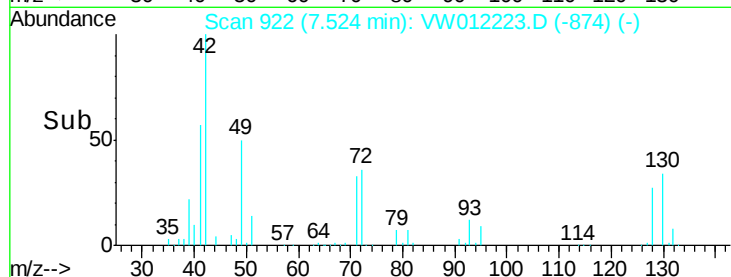
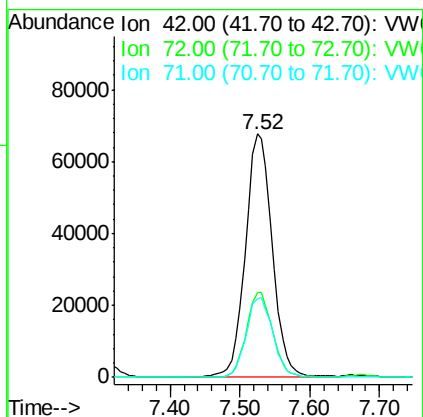
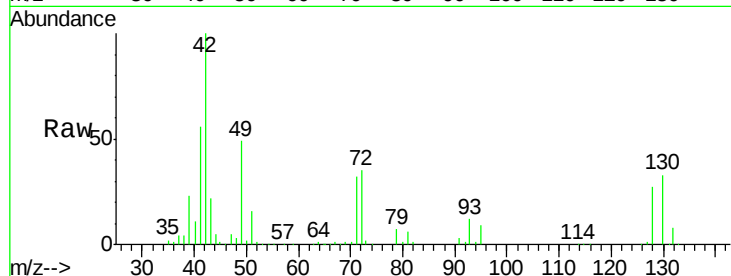




#29
Tetrahydrofuran
Concen: 295.080 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW012223.D
Acq: 27 Aug 2019 21:11

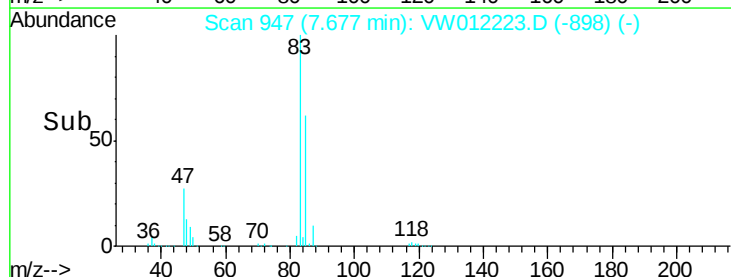
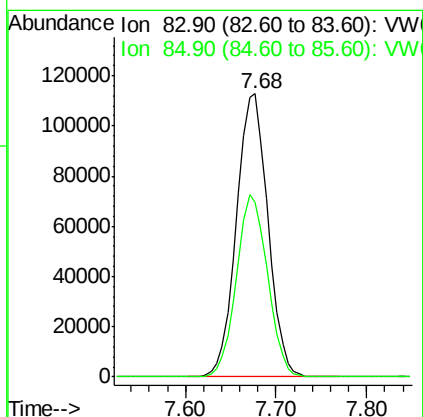
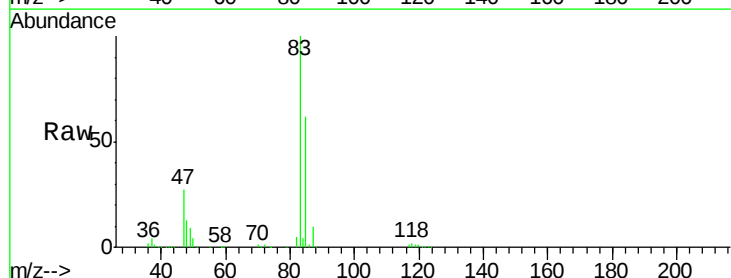
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

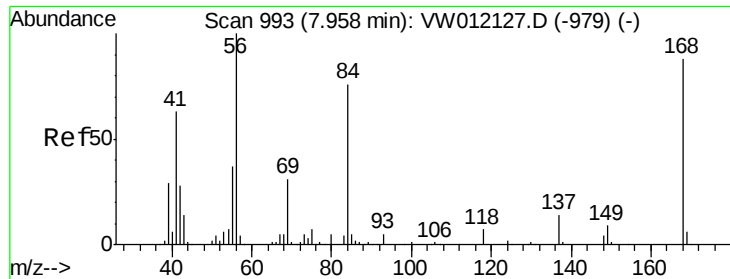
Tot Ion: 42 Resp: 179684
Ion Ratio Lower Upper
42 100
72 34.2 27.3 40.9
71 32.9 25.5 38.3



#30
Chloroform
Concen: 56.120 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW012223.D
Acq: 27 Aug 2019 21:11

Tgt Ion: 83 Resp: 273127
Ion Ratio Lower Upper
83 100
85 61.9 50.6 76.0

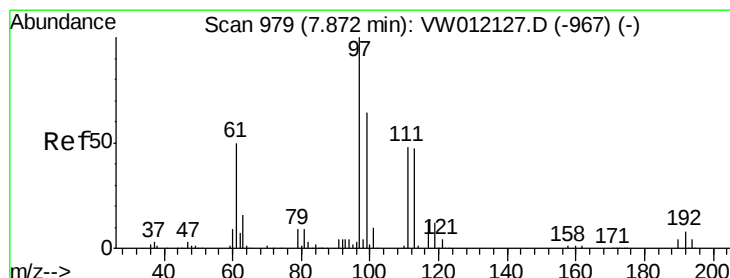
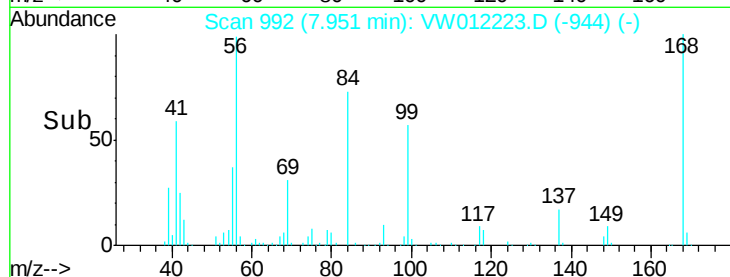
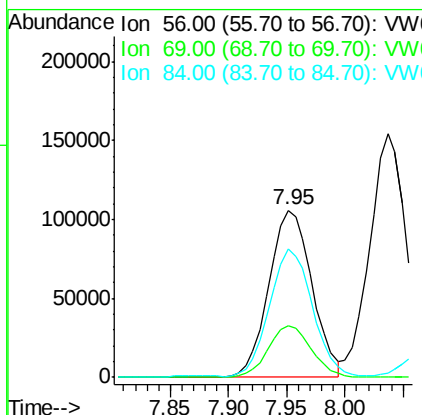
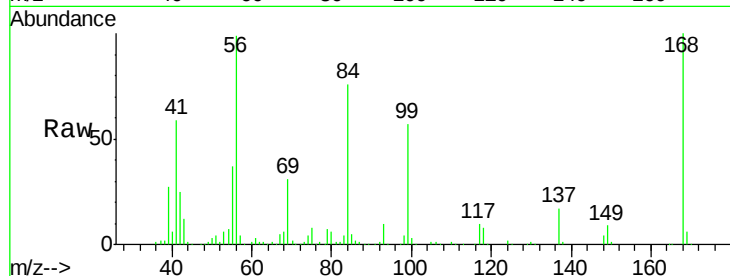




#31
Cyclohexane
Concen: 51.477 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW012223.D
Acq: 27 Aug 2019 21:11

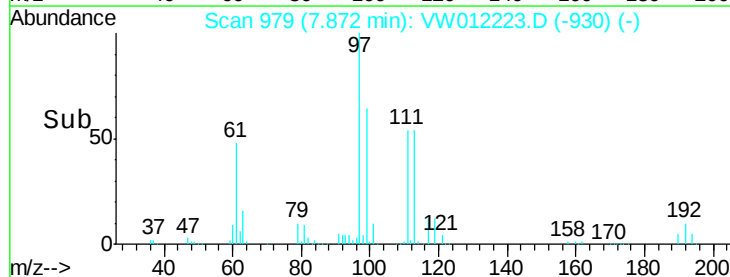
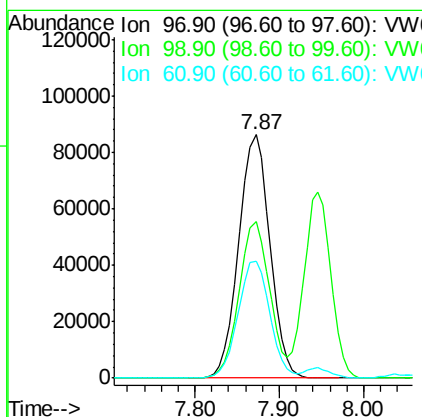
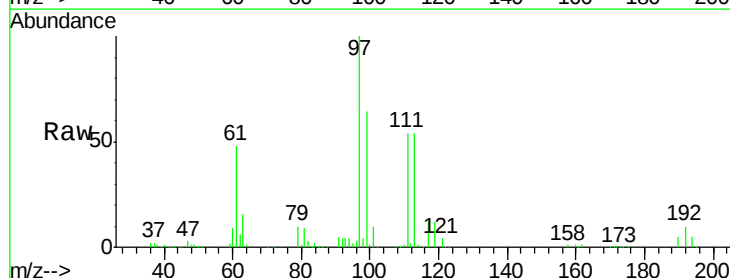
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

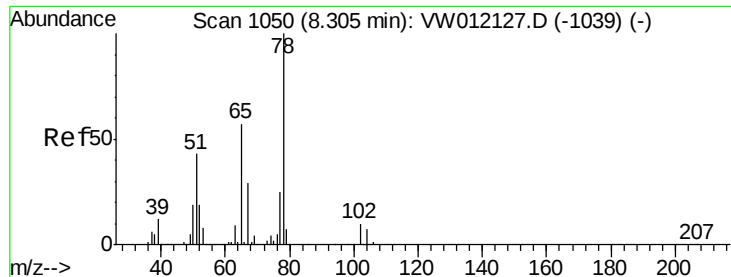
Tot Ion: 56 Resp: 270925
Ion Ratio Lower Upper
56 100
69 31.0 24.9 37.3
84 75.3 60.6 90.8



#32
1,1,1-Trichloroethane
Concen: 55.984 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW012223.D
Acq: 27 Aug 2019 21:11

Tgt Ion: 97 Resp: 215542
Ion Ratio Lower Upper
97 100
99 63.5 51.4 77.0
61 49.0 39.5 59.3

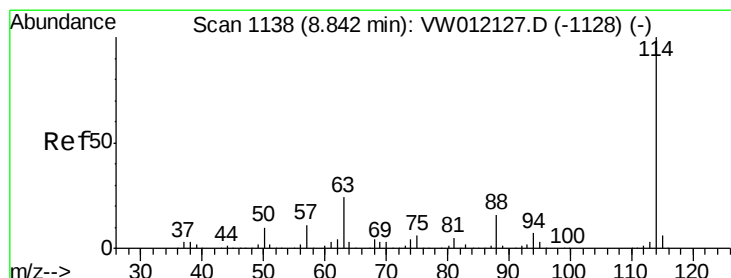
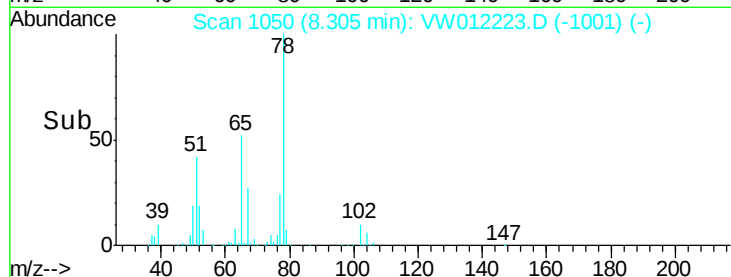
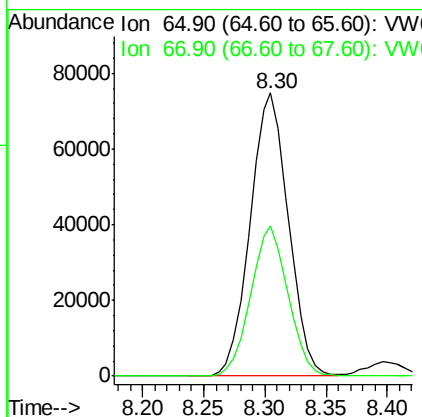
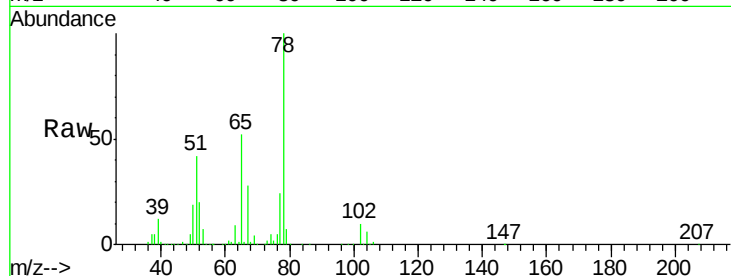




#33
 1,2-Dichloroethane-d4
 Concen: 55.546 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012223.D
 Acq: 27 Aug 2019 21:11

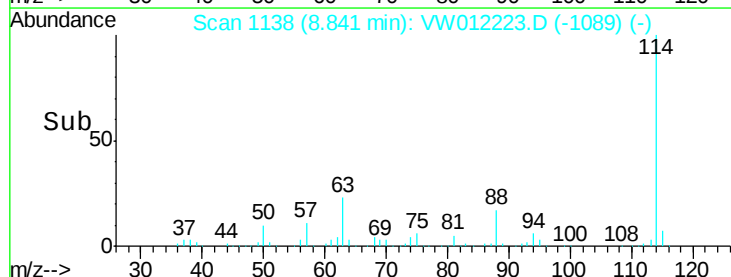
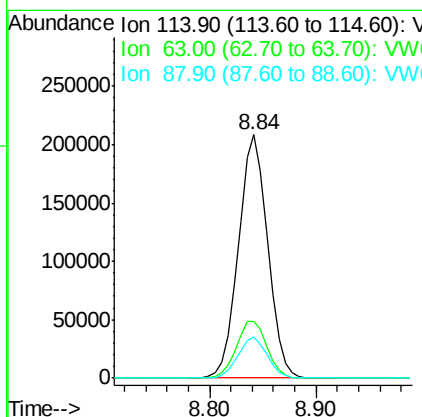
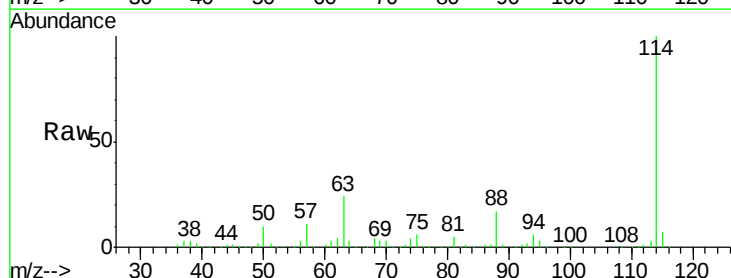
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

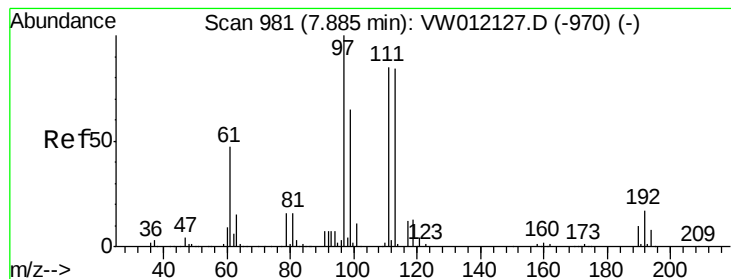
Tot Ion: 65 Resp: 162300
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012223.D
 Acq: 27 Aug 2019 21:11

Tgt Ion: 114 Resp: 401412
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 48.6
 88 16.8 0.0 32.2





#35

Dibromofluoromethane

Concen: 55.447 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012223.D

Acq: 27 Aug 2019 21:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

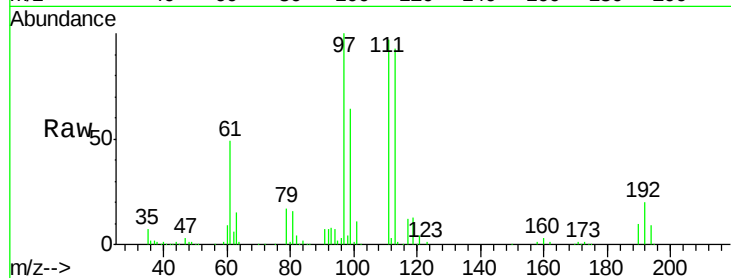
Tot Ion:113 Resp: 132853

Ion Ratio Lower Upper

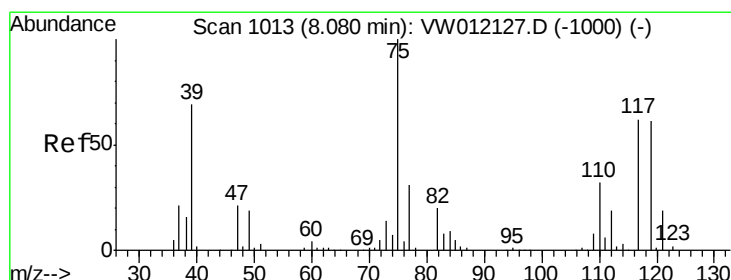
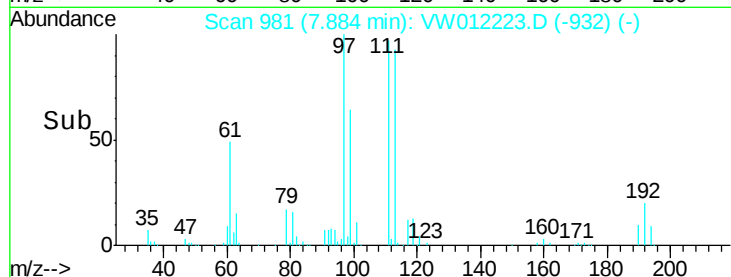
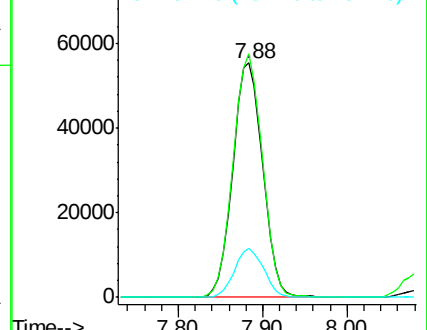
113 100

111 102.3 82.7 124.1

192 20.4 16.2 24.2



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: 53.973 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW012223.D

Acq: 27 Aug 2019 21:11

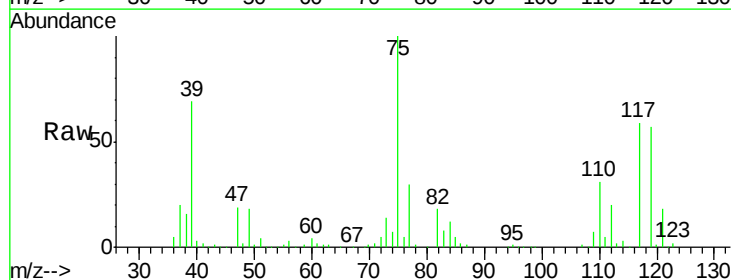
Tgt Ion: 75 Resp: 223888

Ion Ratio Lower Upper

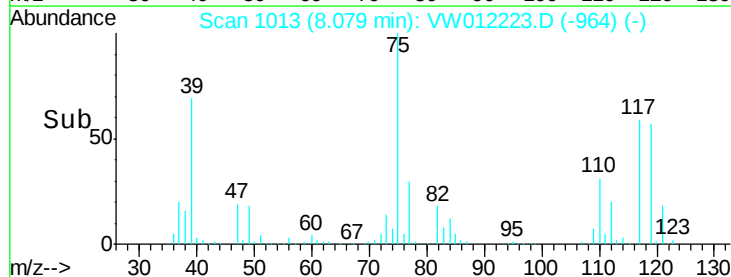
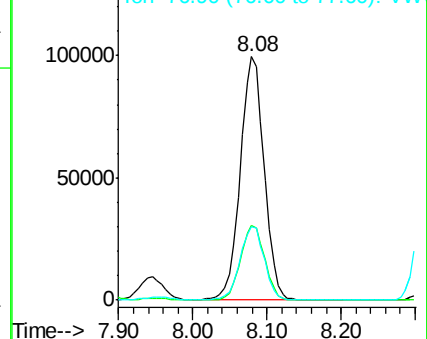
75 100

110 30.9 15.6 46.8

77 30.8 24.6 36.8



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

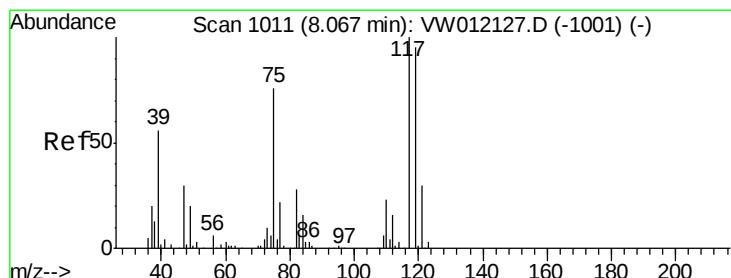
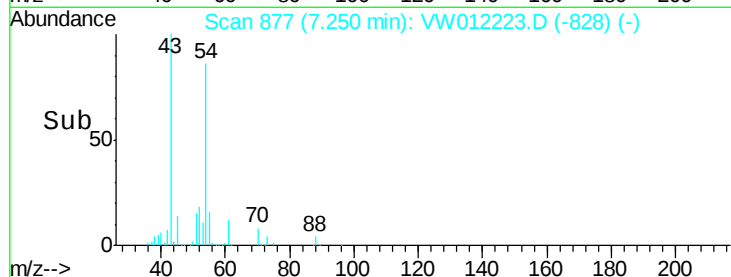
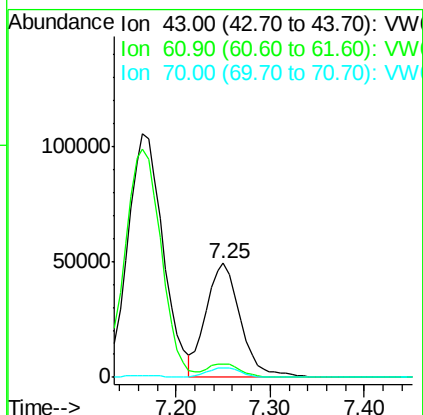
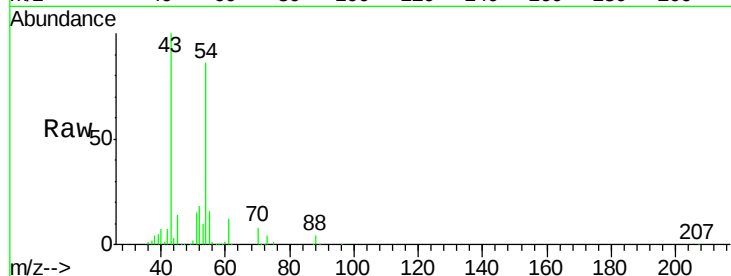




#37
Ethyl Acetate
Concen: 54.927 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012223.D
Acq: 27 Aug 2019 21:11

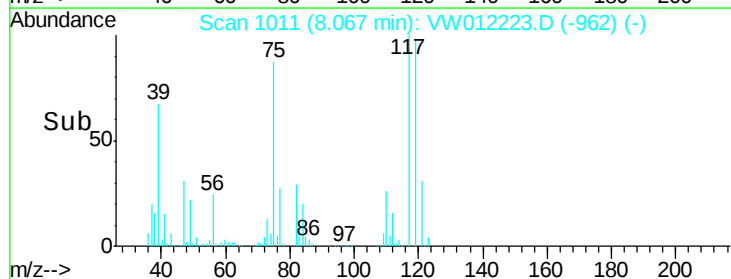
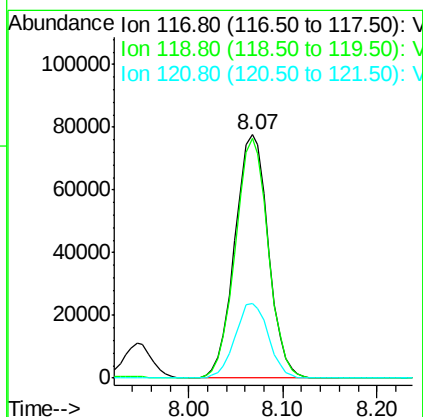
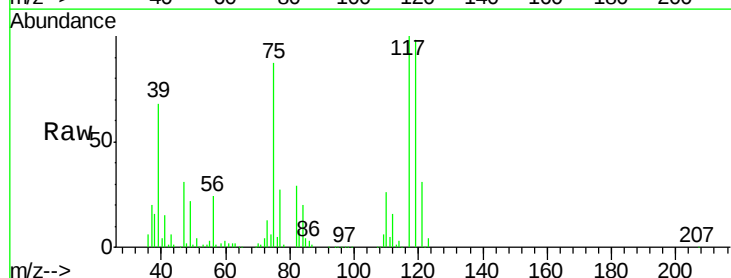
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

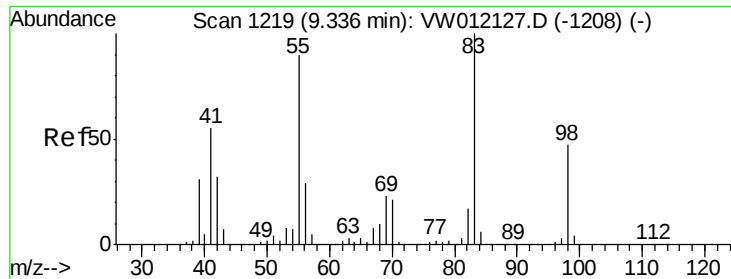
Tot Ion	Ratio	Lower	Upper
43	100		
61	11.8	9.2	13.8
70	8.8	6.9	10.3



#38
Carbon Tetrachloride
Concen: 53.844 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012223.D
Acq: 27 Aug 2019 21:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.2	76.2	114.2
121	30.8	23.8	35.8

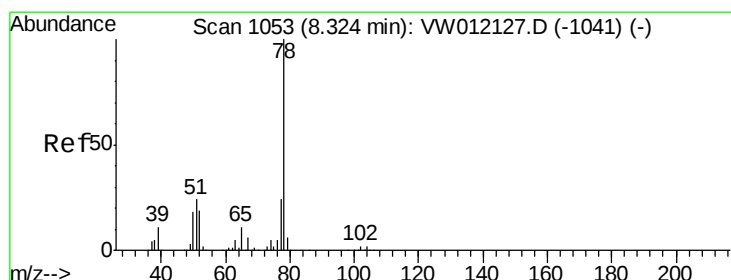
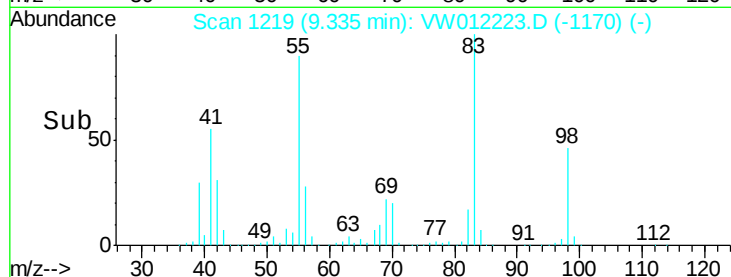
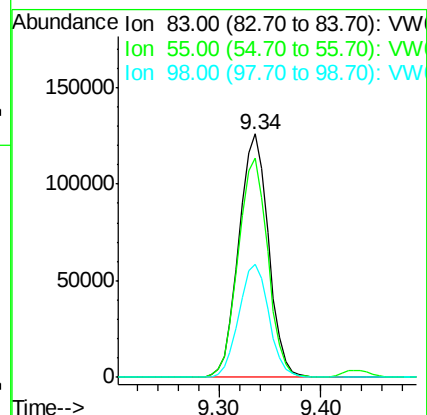
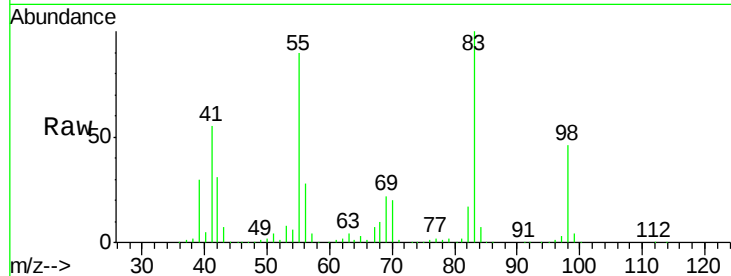




#39
Methvlcvclohexane
Concen: 54.339 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012223.D
Acq: 27 Aug 2019 21:11

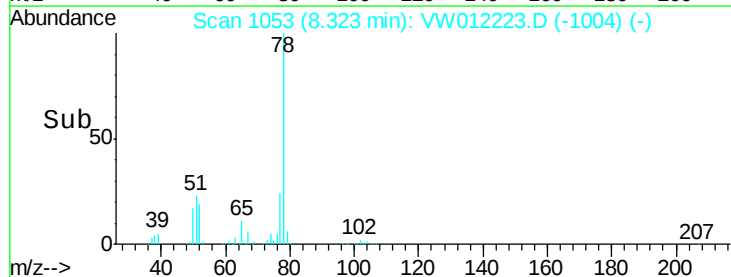
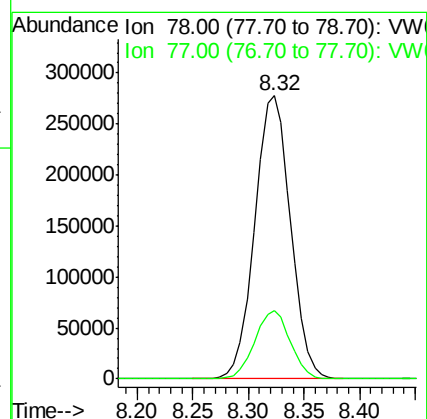
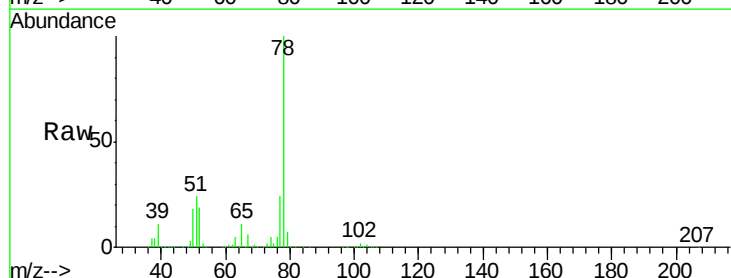
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 253224
Ion Ratio Lower Upper
83 100
55 90.0 71.8 107.8
98 46.4 37.8 56.8



#40
Benzene
Concen: 54.823 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012223.D
Acq: 27 Aug 2019 21:11

Tgt Ion: 78 Resp: 620967
Ion Ratio Lower Upper
78 100
77 24.2 19.5 29.3

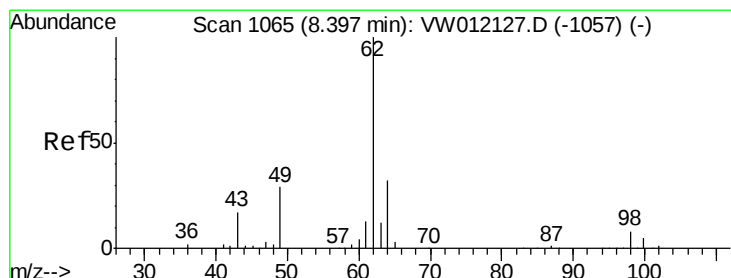
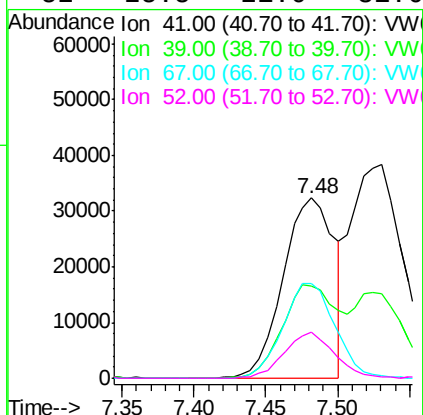
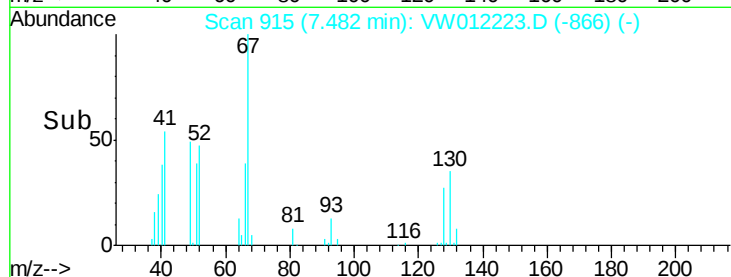
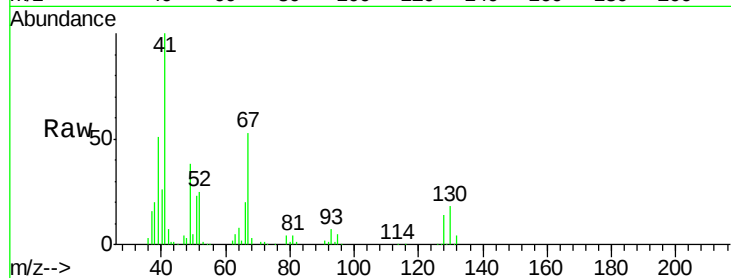




#41
Methacrylonitrile
Concen: 59.771 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012223.D
Acq: 27 Aug 2019 21:11

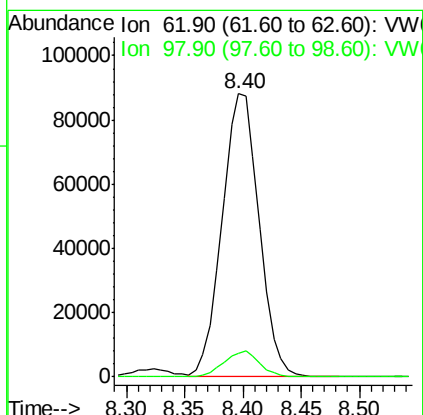
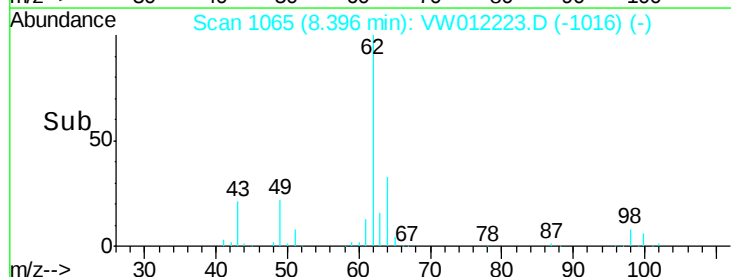
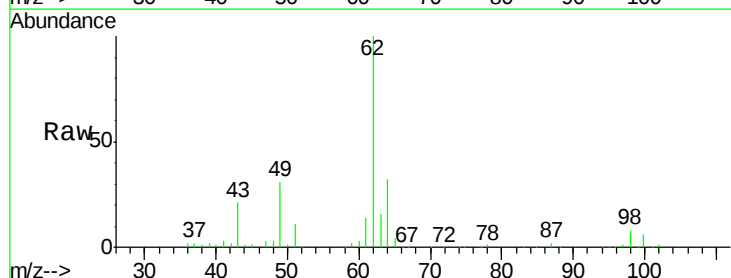
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

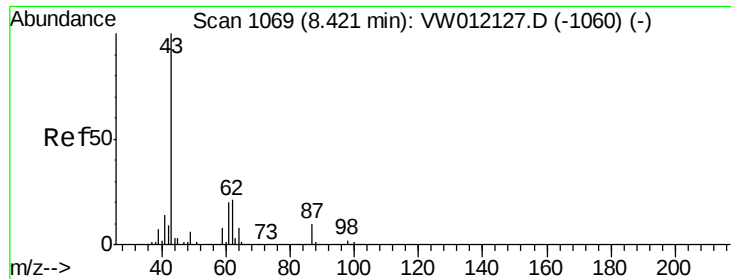
Tot Ion:	41	Resp:	79853
Ion	Ratio	Lower	Upper
41	100		
39	56.7	45.8	68.8
67	54.4	46.2	69.4
52	25.5	21.0	31.6



#42
1,2-Dichloroethane
Concen: 54.566 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012223.D
Acq: 27 Aug 2019 21:11

Tgt Ion:	62	Resp:	193703
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	16.6





#43

Isopropyl Acetate

Concen: 57.418 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012223.D

Acq: 27 Aug 2019 21:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

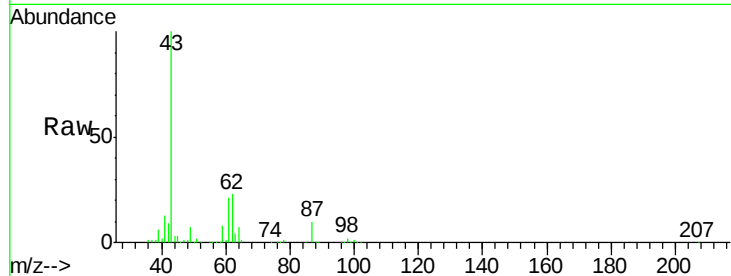
Tot Ion: 43 Resp: 241759

Ion Ratio Lower Upper

43 100

61 26.6 21.1 31.7

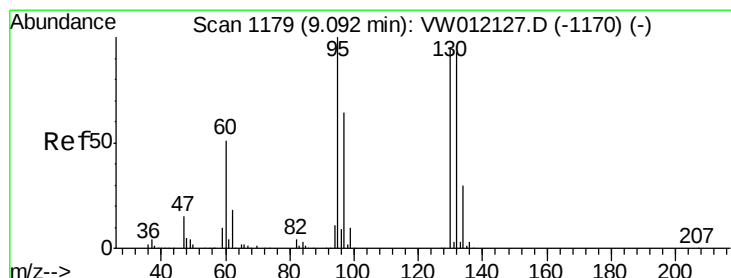
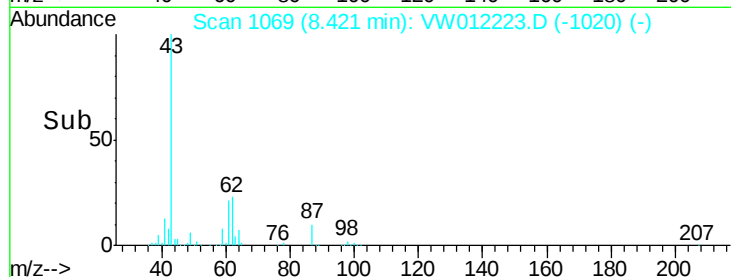
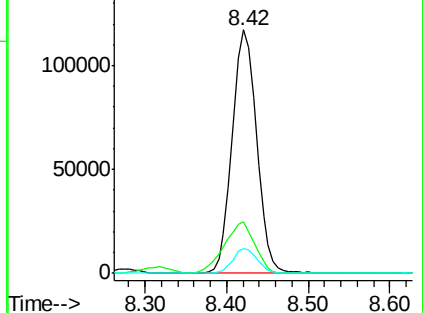
87 10.3 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 55.580 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW012223.D

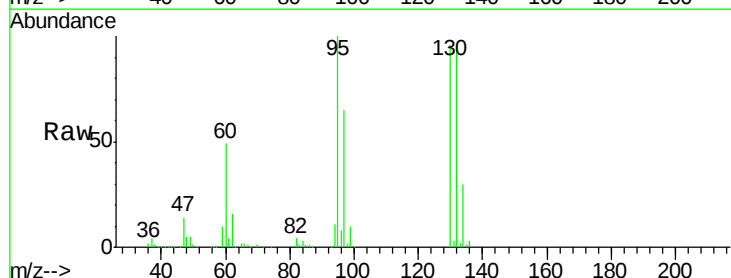
Acq: 27 Aug 2019 21:11

Tgt Ion: 130 Resp: 153039

Ion Ratio Lower Upper

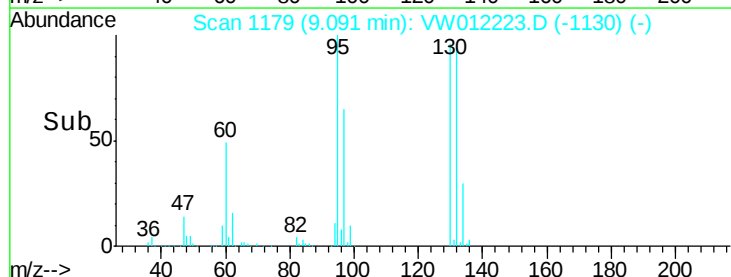
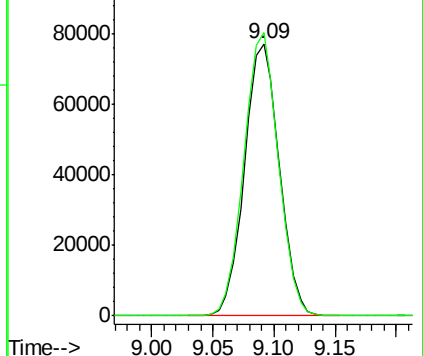
130 100

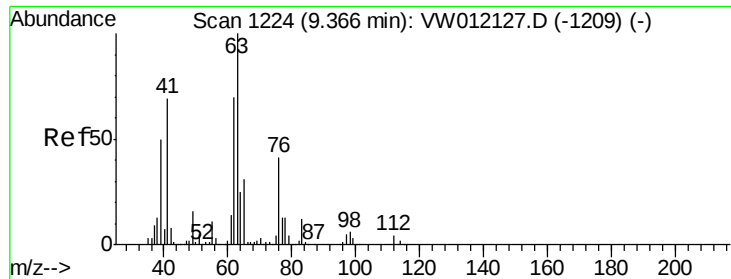
95 103.9 0.0 210.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

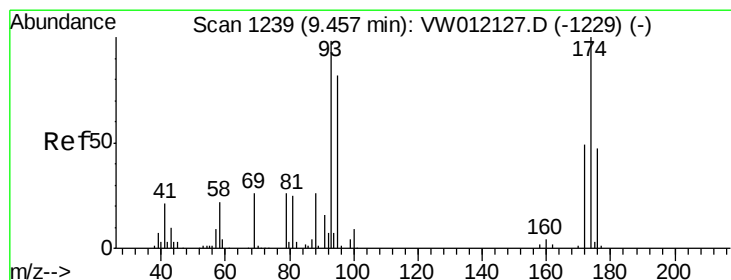
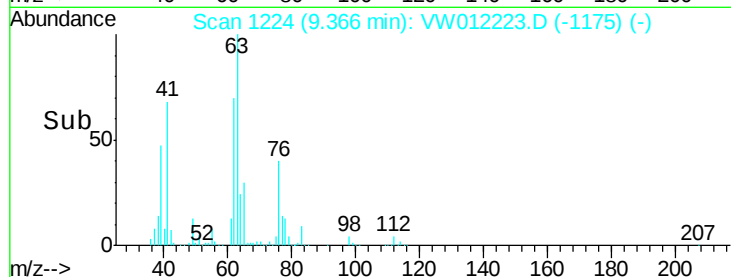
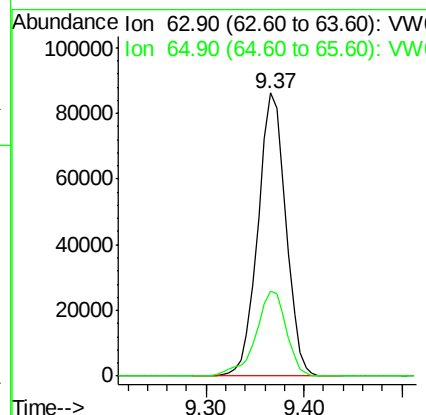
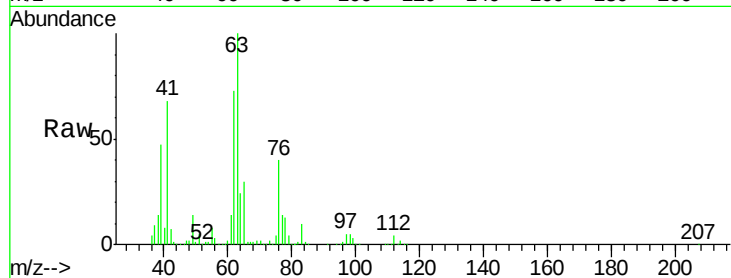




#45
 1,2-Dichloropropane
 Concen: 55.998 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012223.D
 Acq: 27 Aug 2019 21:11

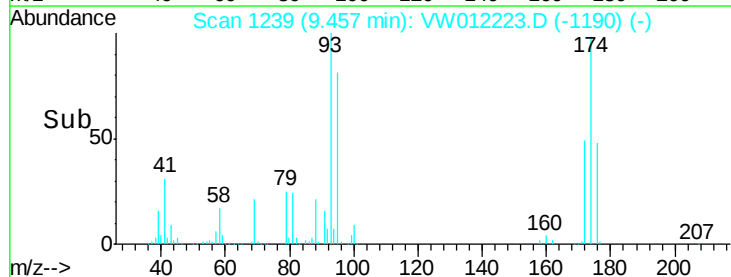
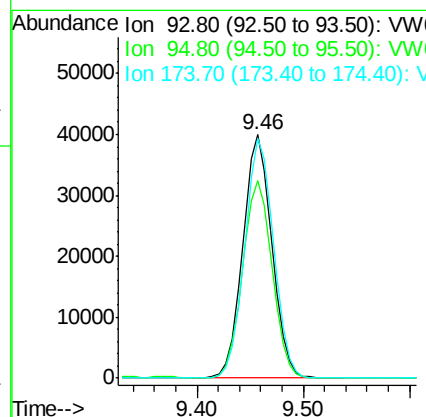
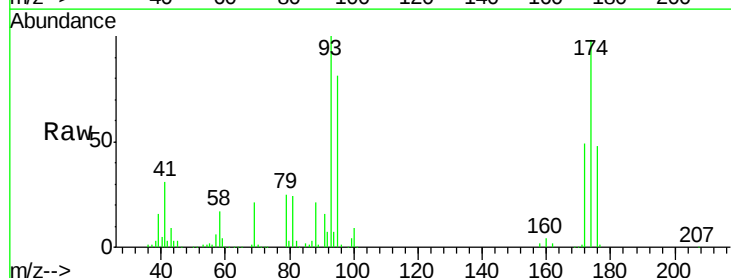
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 170703
 Ion Ratio Lower Upper
 63 100
 65 30.2 25.0 37.4



#46
 Dibromomethane
 Concen: 56.442 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012223.D
 Acq: 27 Aug 2019 21:11

Tgt Ion: 93 Resp: 76553
 Ion Ratio Lower Upper
 93 100
 95 82.6 67.2 100.8
 174 98.4 79.0 118.6





#47

Bromodichloromethane

Concen: 56.108 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012223.D

Acq: 27 Aug 2019 21:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

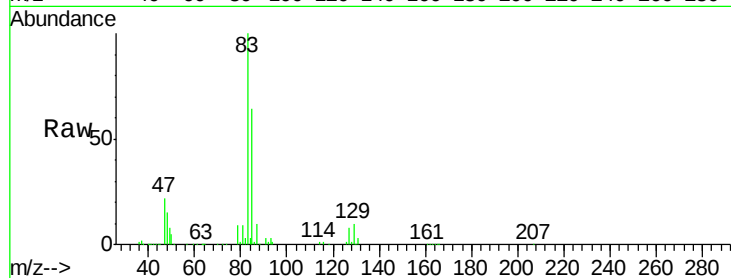
Tot Ion: 83 Resp: 202533

Ion Ratio Lower Upper

83 100

85 64.2 49.4 74.2

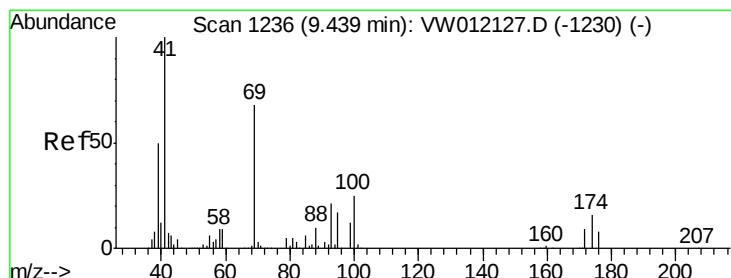
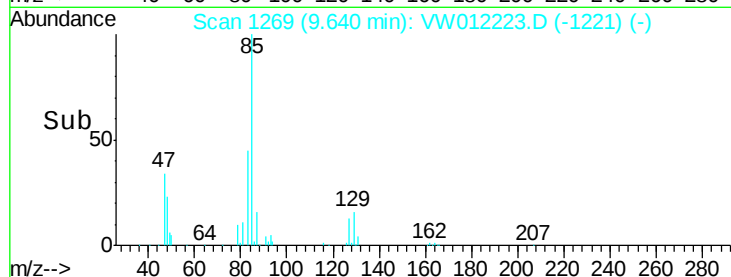
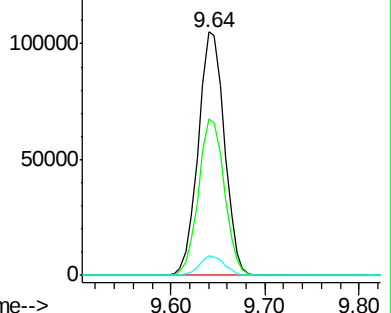
127 8.1 6.1 9.1



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 58.414 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW012223.D

Acq: 27 Aug 2019 21:11

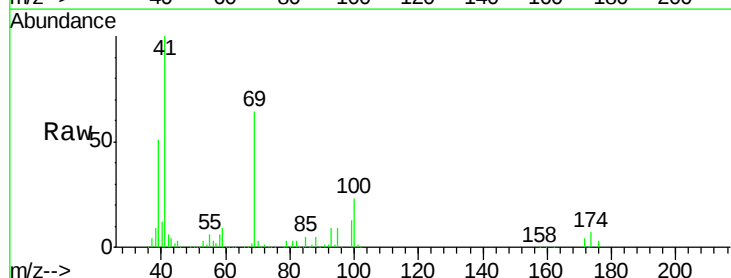
Tgt Ion: 41 Resp: 117062

Ion Ratio Lower Upper

41 100

69 70.1 56.7 85.1

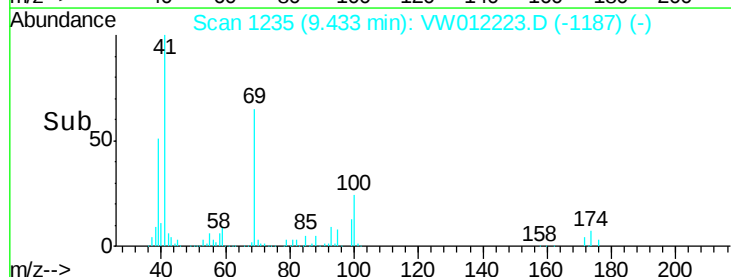
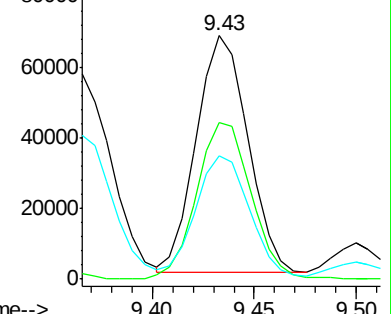
39 52.2 42.0 63.0

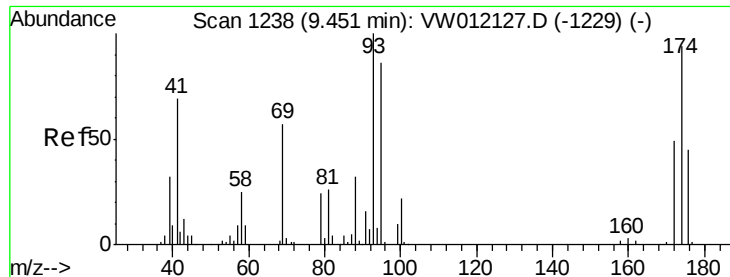


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

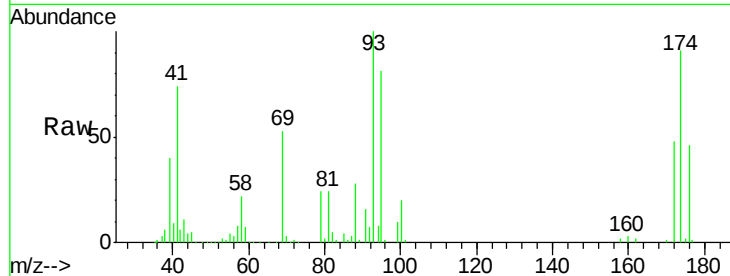




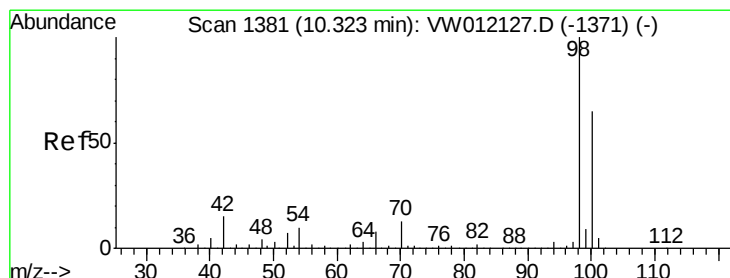
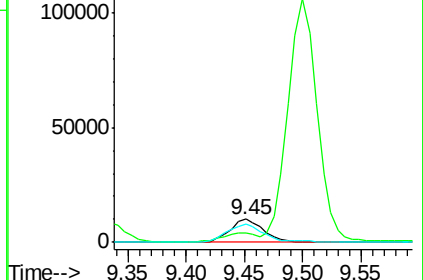
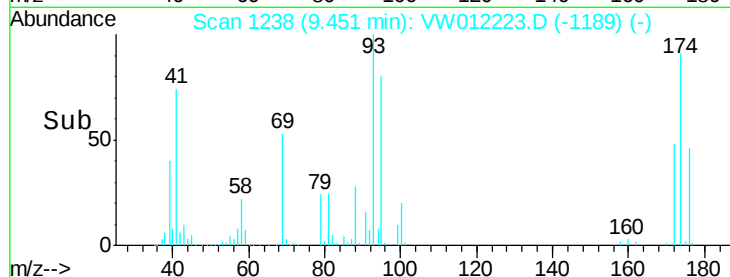
#49
1,4-Dioxane
Concen: 975.747 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. -0.00 min
Lab File: VW012223.D
Acq: 27 Aug 2019 21:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 20260
Ion Ratio Lower Upper
88 100
43 41.0 32.9 49.3
58 87.8 71.0 106.4

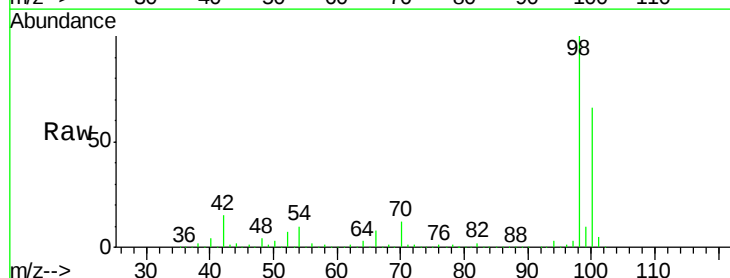


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

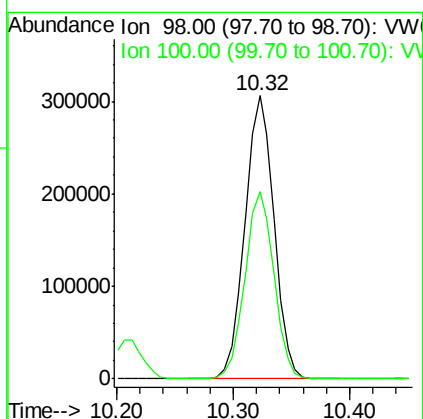
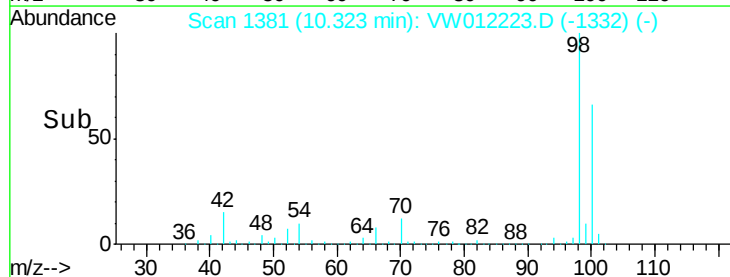


#50
Toluene-d8
Concen: 54.844 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012223.D
Acq: 27 Aug 2019 21:11

Tgt Ion: 98 Resp: 532821
Ion Ratio Lower Upper
98 100
100 66.1 52.4 78.6



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

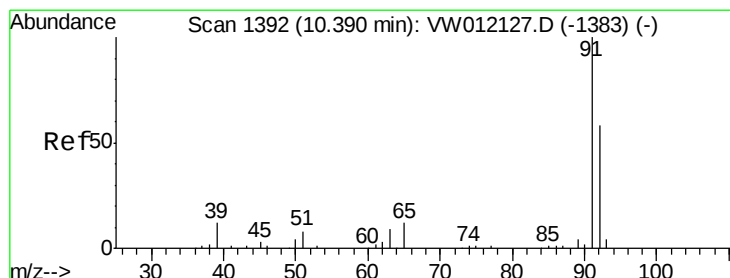
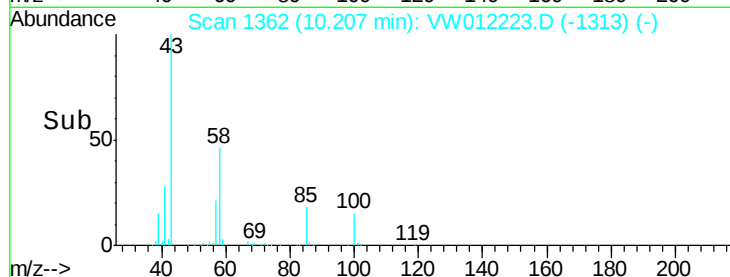
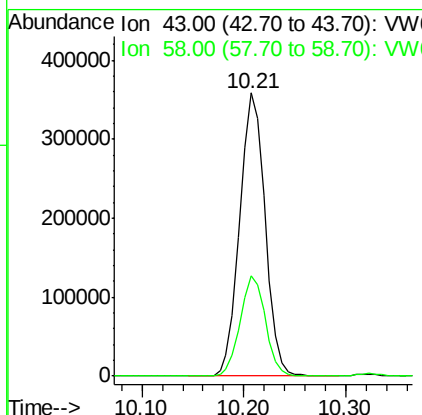
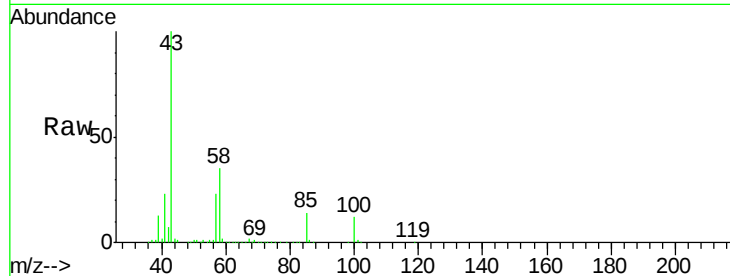




#51
4-Methyl-2-Pentanone
Concen: 288.727 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW012223.D
Acq: 27 Aug 2019 21:11

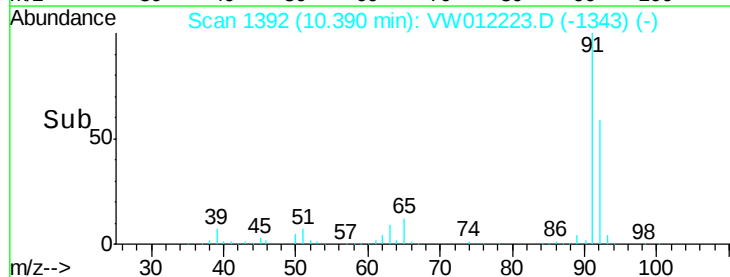
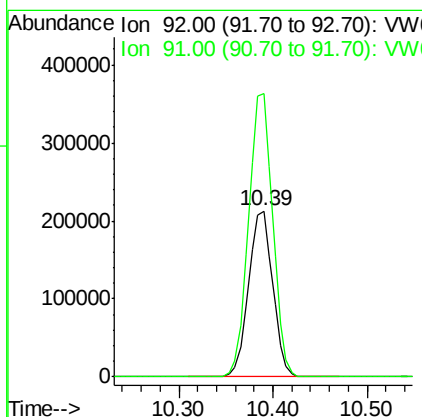
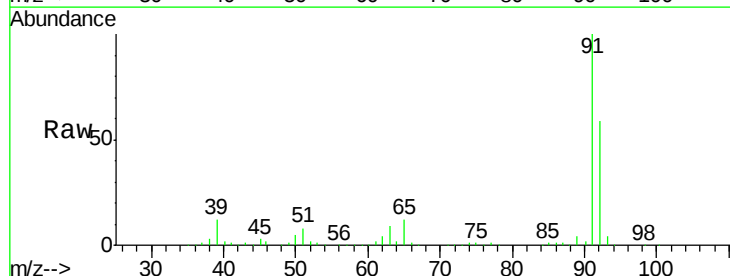
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

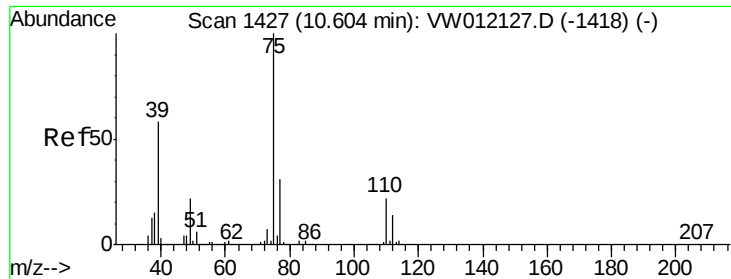
Tot Ion: 43 Resp: 618337
Ion Ratio Lower Upper
43 100
58 35.2 28.2 42.2



#52
Toluene
Concen: 55.655 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW012223.D
Acq: 27 Aug 2019 21:11

Tgt Ion: 92 Resp: 378705
Ion Ratio Lower Upper
92 100
91 171.2 136.6 204.8





#53

t-1,3-Dichloropropene

Concen: 58.078 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012223.D

Acq: 27 Aug 2019 21:11

Instrument :

MSVOA_W

ClientSampleId :

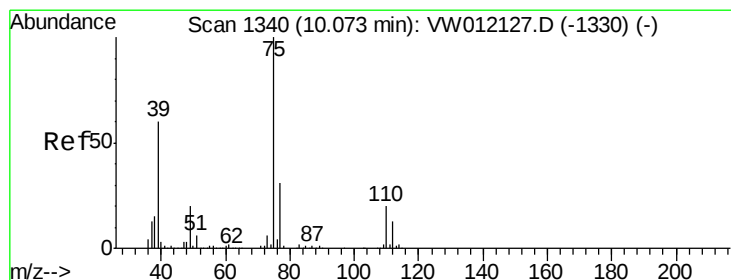
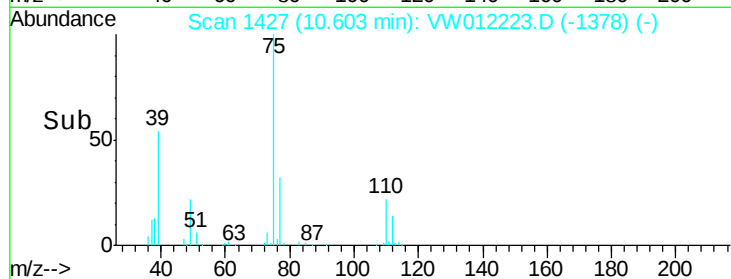
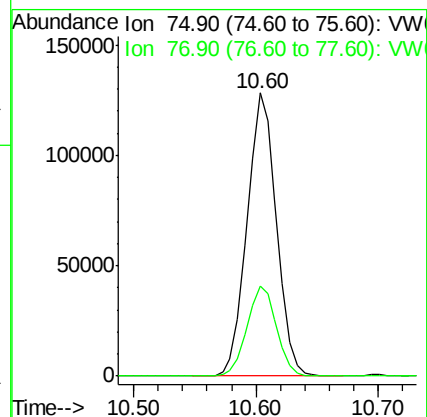
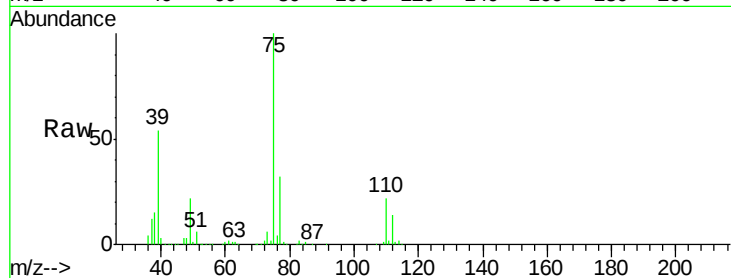
VSTDCCC050

Tot Ion: 75 Resp: 213548

Ion Ratio Lower Upper

75 100

77 31.6 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 56.766 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012223.D

Acq: 27 Aug 2019 21:11

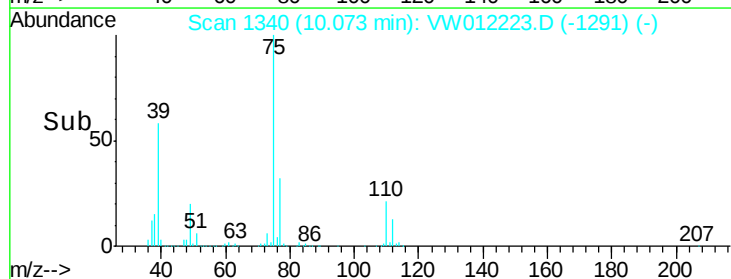
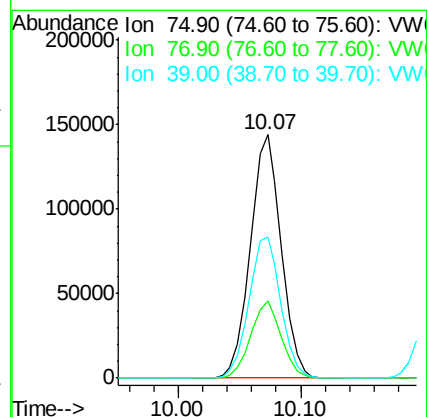
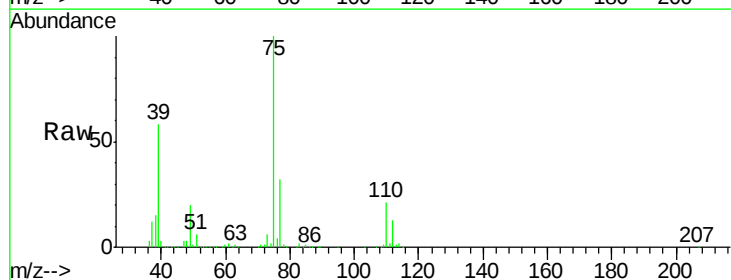
Tgt Ion: 75 Resp: 252024

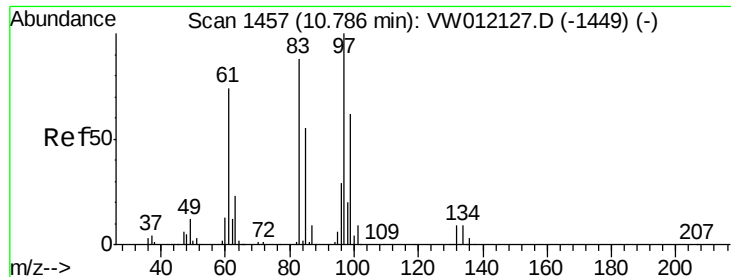
Ion Ratio Lower Upper

75 100

77 31.6 25.1 37.7

39 57.9 48.3 72.5

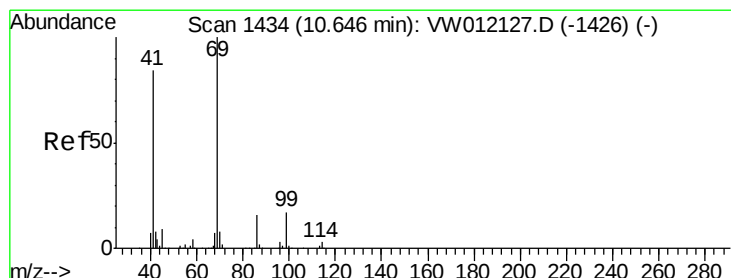
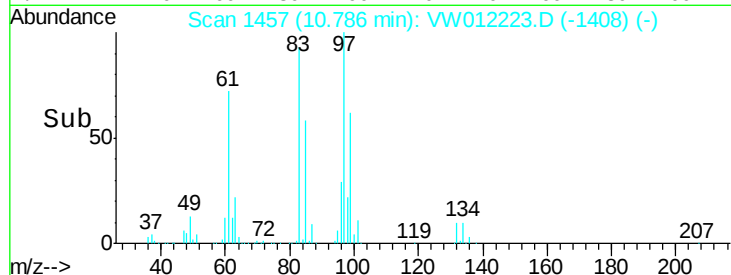
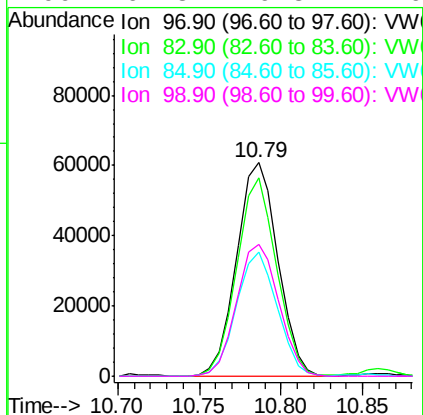
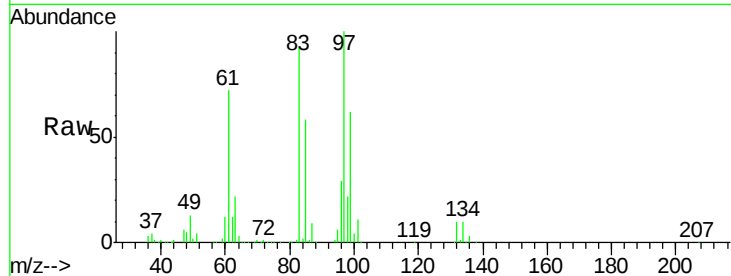




#55
 1,1,2-Trichloroethane
 Concen: 55.916 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012223.D
 Acq: 27 Aug 2019 21:11

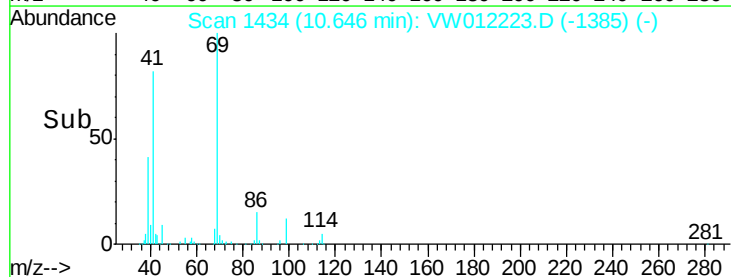
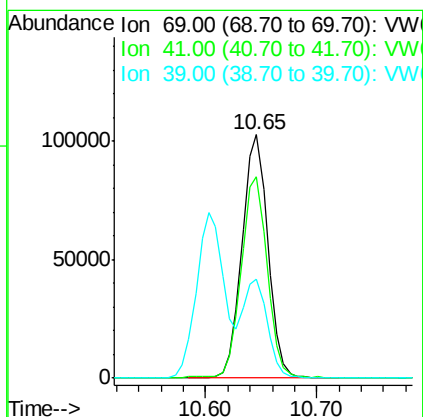
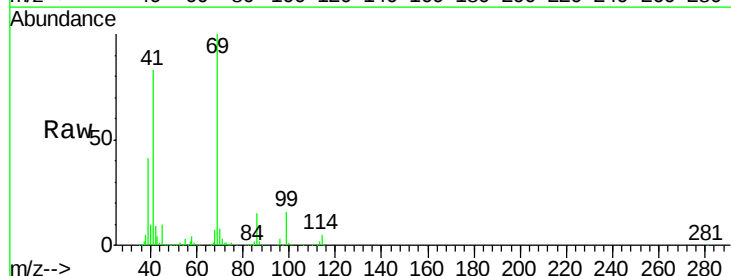
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	107302
Ion	Ratio	Lower	Upper
97	100		
83	92.7	70.8	106.2
85	58.2	43.8	65.8
99	61.8	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 59.334 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012223.D
 Acq: 27 Aug 2019 21:11

Tgt Ion:	69	Resp:	165716
Ion	Ratio	Lower	Upper
69	100		
41	83.6	66.5	99.7
39	37.6	31.0	46.4

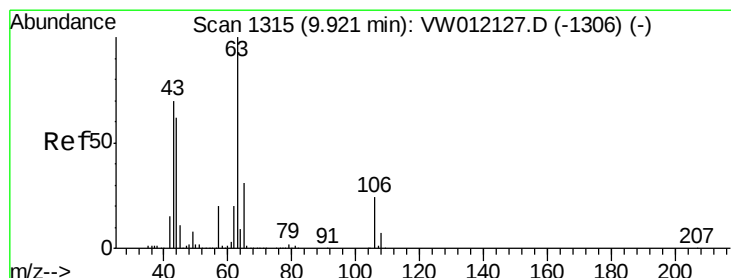
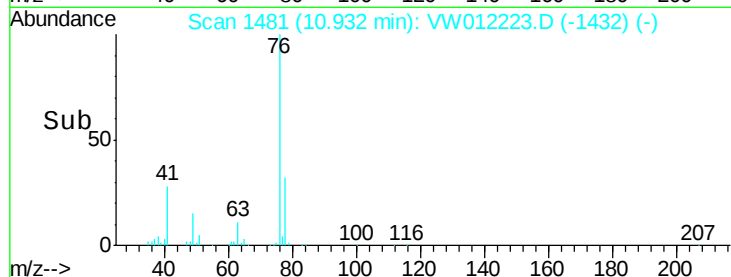
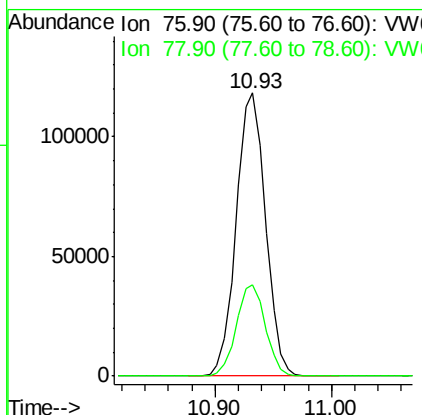
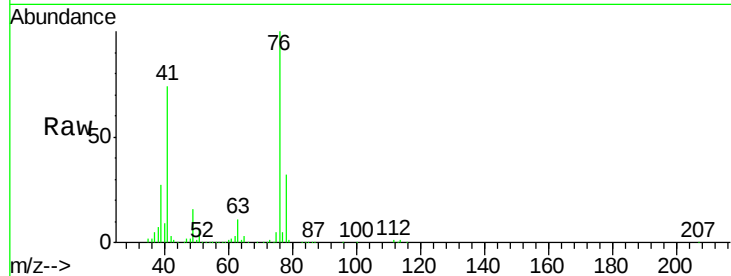




#57
 1,3-Dichloropropane
 Concen: 57.310 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012223.D
 Acq: 27 Aug 2019 21:11

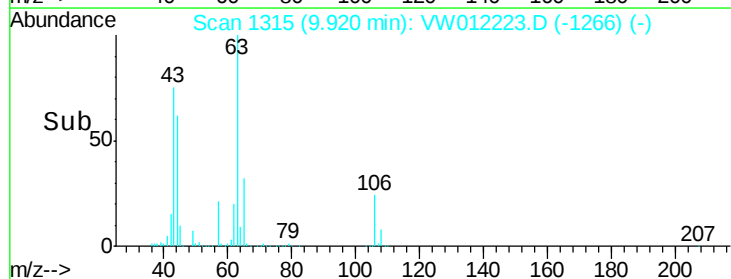
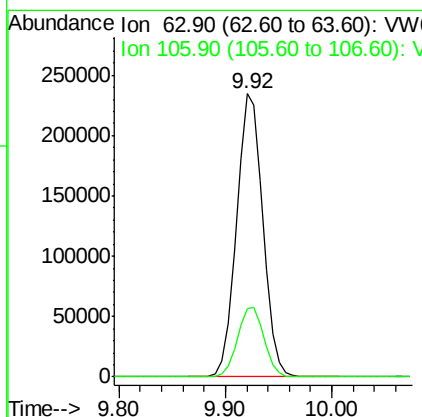
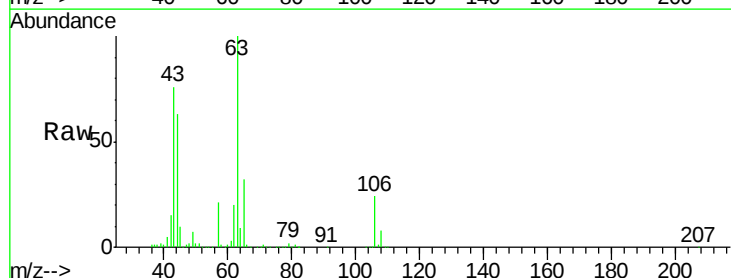
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

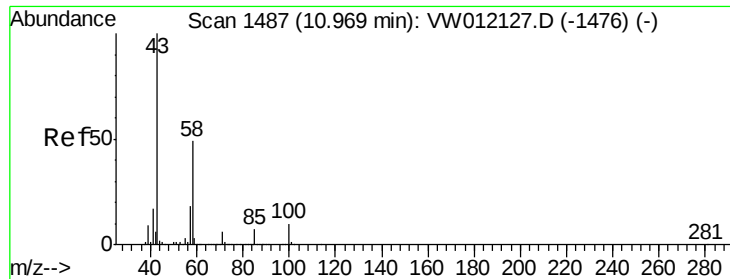
Tot Ion: 76 Resp: 207828
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 283.351 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012223.D
 Acq: 27 Aug 2019 21:11

Tgt Ion: 63 Resp: 406155
 Ion Ratio Lower Upper
 63 100
 106 24.9 19.8 29.8

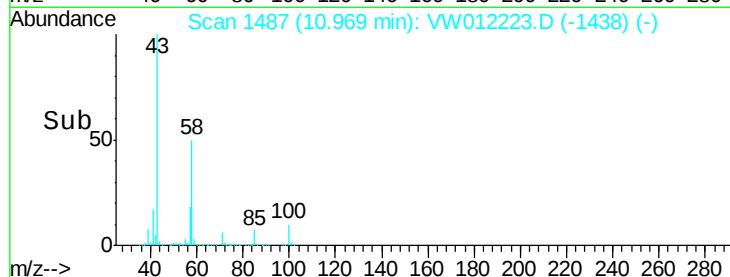
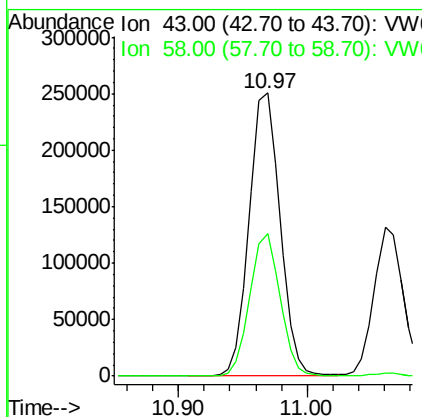
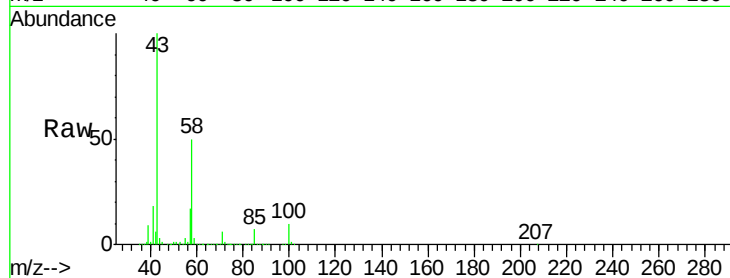




#59
2-Hexanone
Concen: 274.153 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012223.D
Acq: 27 Aug 2019 21:11

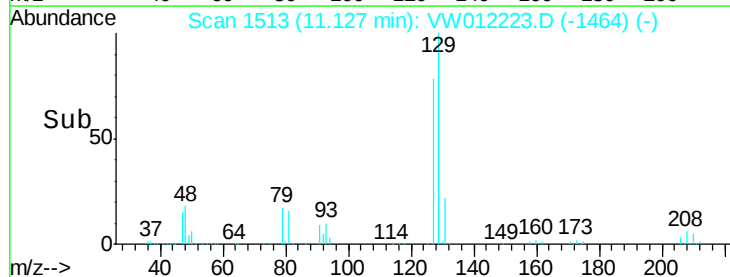
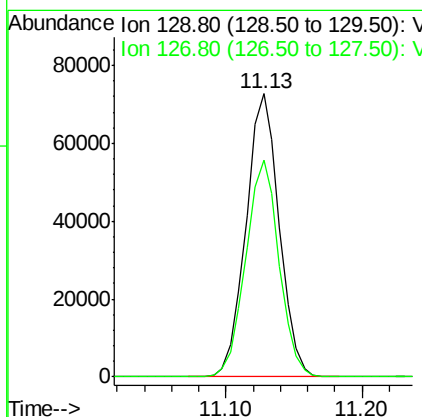
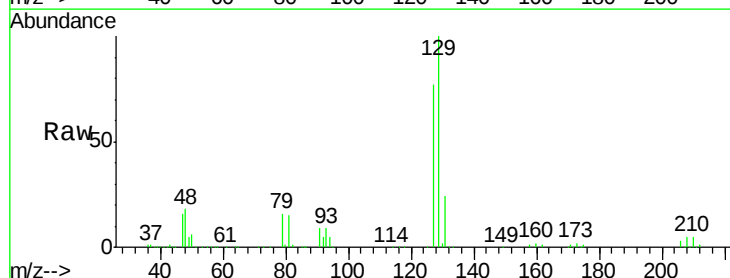
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

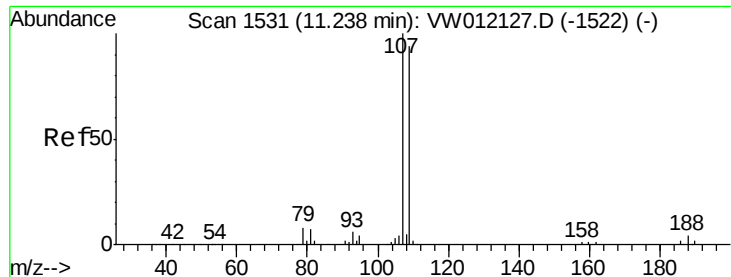
Tot Ion: 43 Resp: 415430
Ion Ratio Lower Upper
43 100
58 49.2 24.3 72.9



#60
Dibromochloromethane
Concen: 58.250 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012223.D
Acq: 27 Aug 2019 21:11

Tgt Ion: 129 Resp: 124505
Ion Ratio Lower Upper
129 100
127 76.8 38.6 115.8

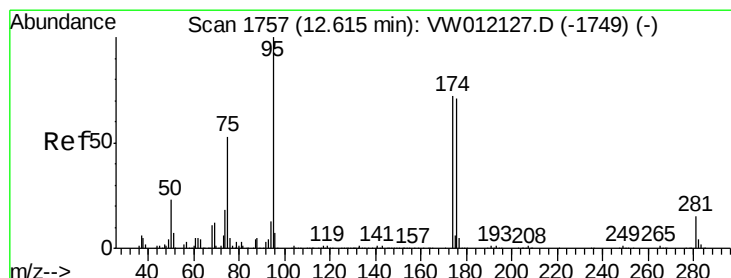
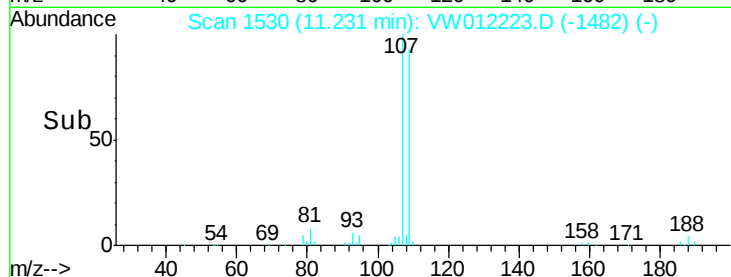
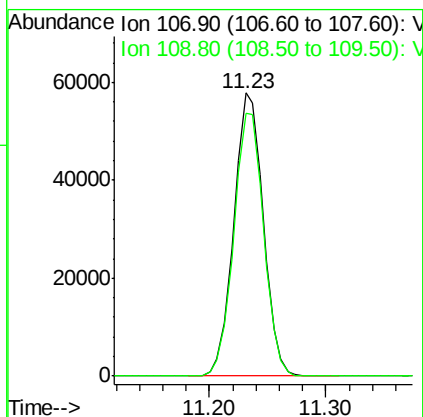
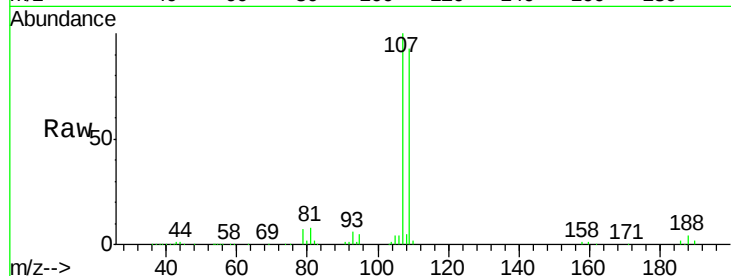




#61
 1,2-Dibromoethane
 Concen: 56.913 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW012223.D
 Acq: 27 Aug 2019 21:11

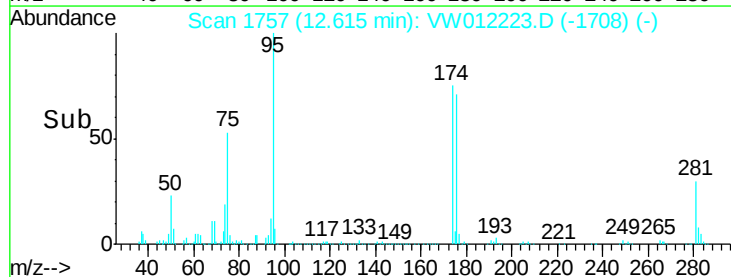
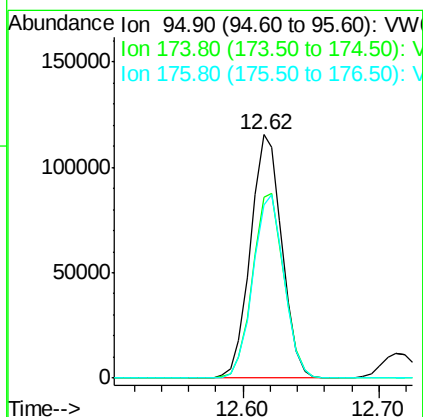
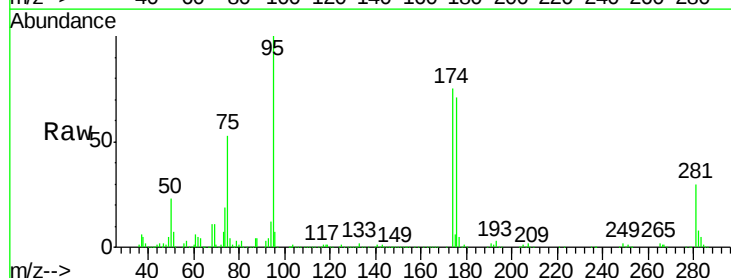
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

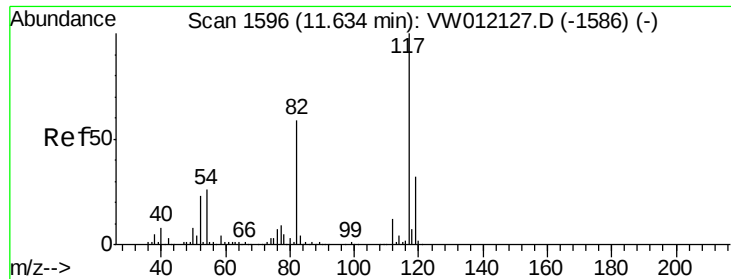
Tot Ion: 107 Resp: 101748
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 54.707 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012223.D
 Acq: 27 Aug 2019 21:11

Tgt Ion: 95 Resp: 187351
 Ion Ratio Lower Upper
 95 100
 174 75.8 0.0 150.8
 176 74.5 0.0 148.6

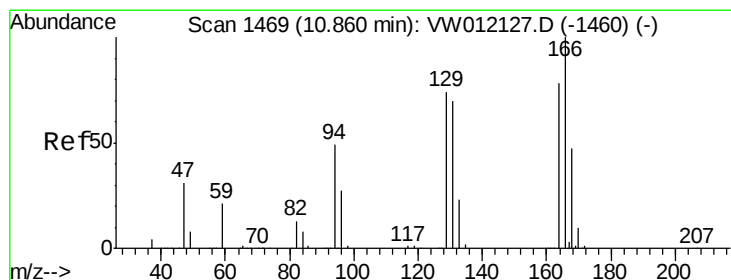
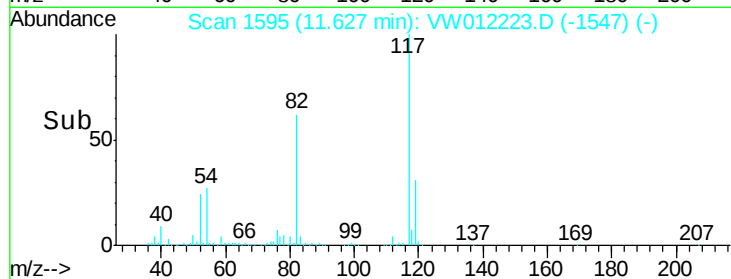
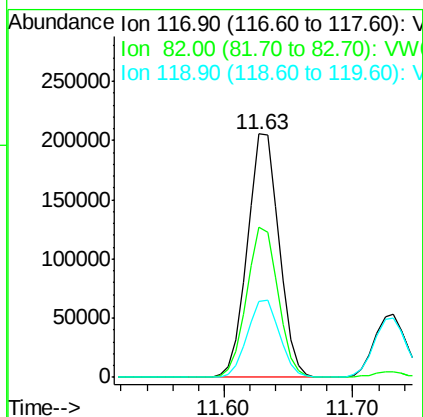
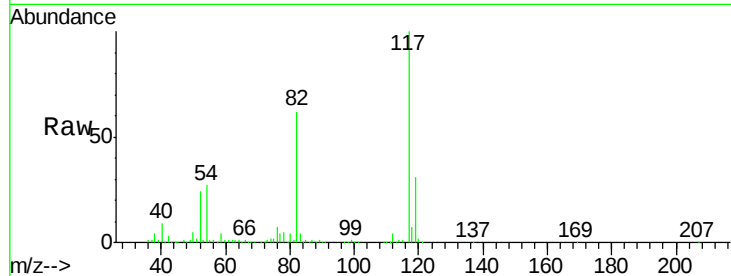




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012223.D
Acq: 27 Aug 2019 21:11

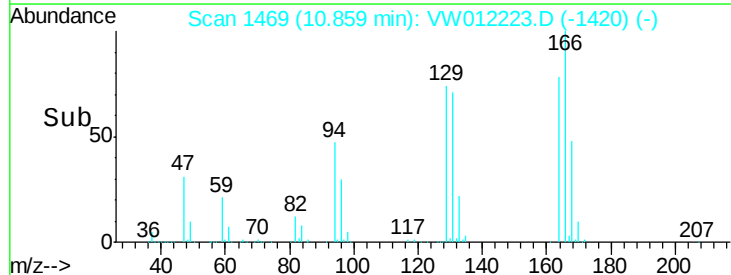
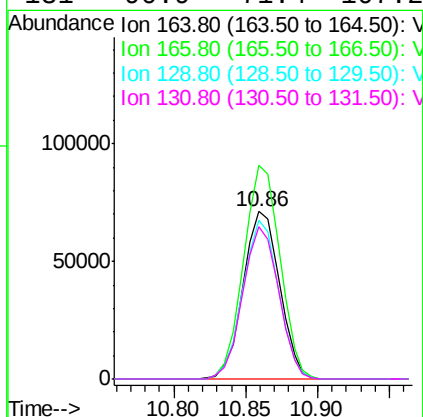
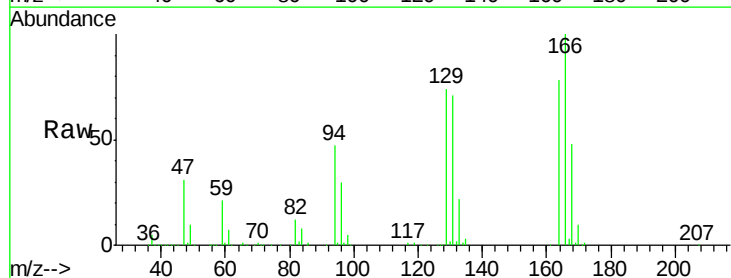
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

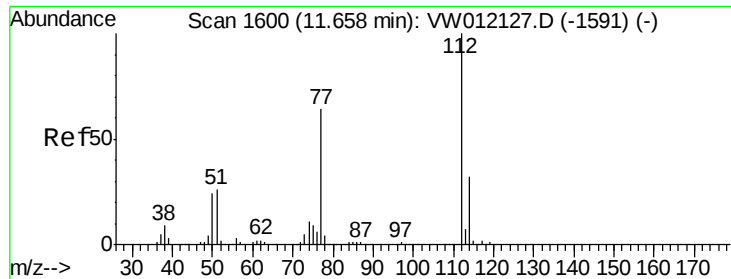
Tot Ion:117 Resp: 348388
Ion Ratio Lower Upper
117 100
82 61.5 47.4 71.2
119 31.4 25.4 38.2



#64
Tetrachloroethene
Concen: 55.088 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012223.D
Acq: 27 Aug 2019 21:11

Tgt Ion:164 Resp: 124428
Ion Ratio Lower Upper
164 100
166 127.7 102.4 153.6
129 94.8 75.8 113.6
131 90.9 71.4 107.2

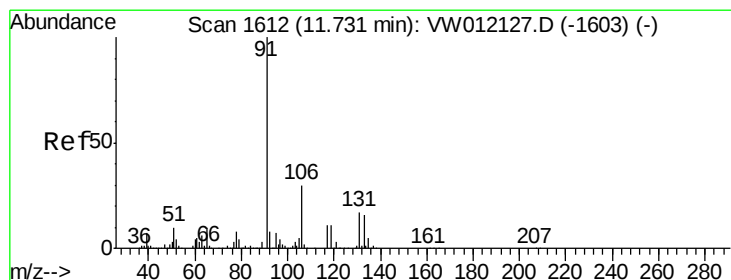
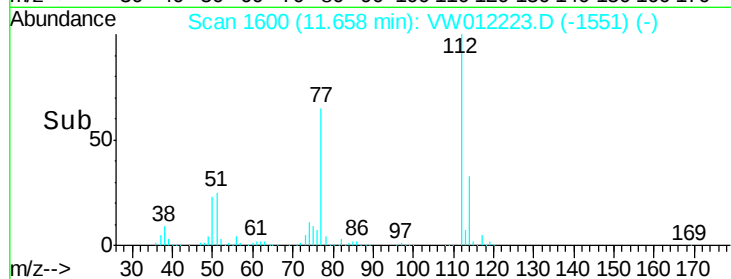
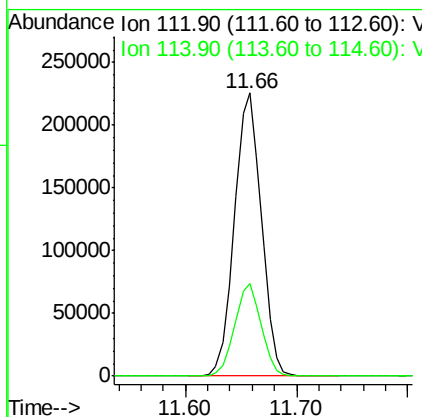
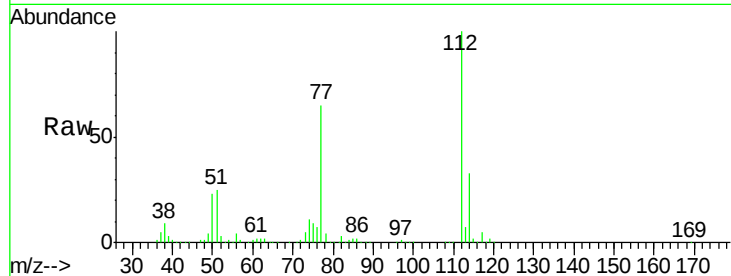




#65
Chlorobenzene
Concen: 54.934 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012223.D
Acq: 27 Aug 2019 21:11

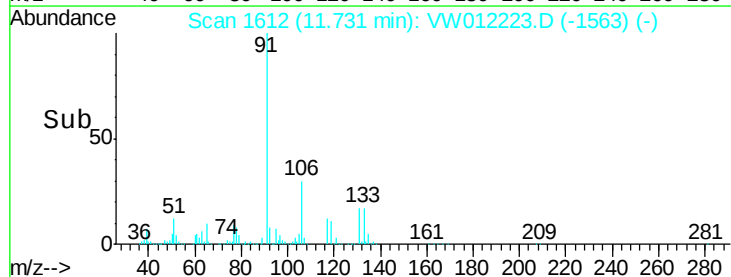
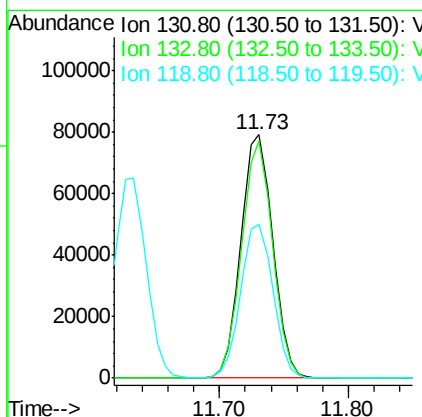
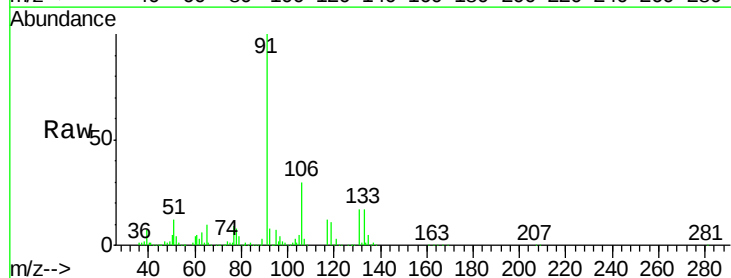
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

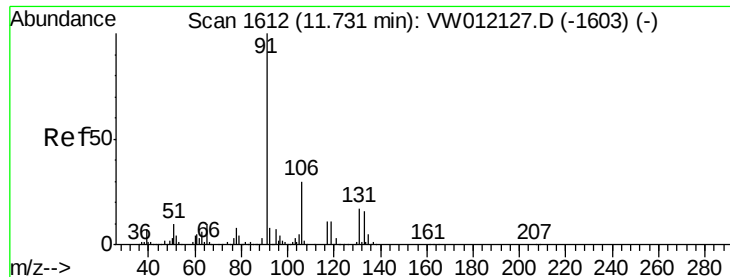
Tot Ion:112 Resp: 376853
Ion Ratio Lower Upper
112 100
114 32.6 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 56.597 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012223.D
Acq: 27 Aug 2019 21:11

Tgt Ion:131 Resp: 135447
Ion Ratio Lower Upper
131 100
133 94.5 47.1 141.3
119 64.4 31.8 95.3

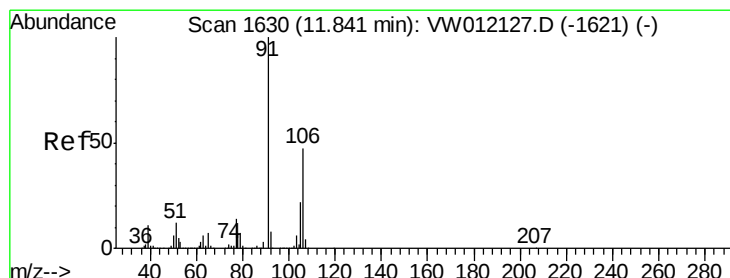
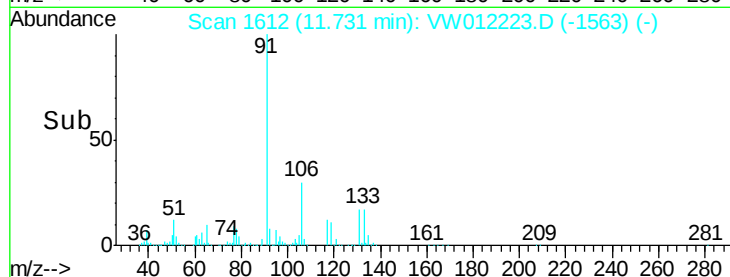
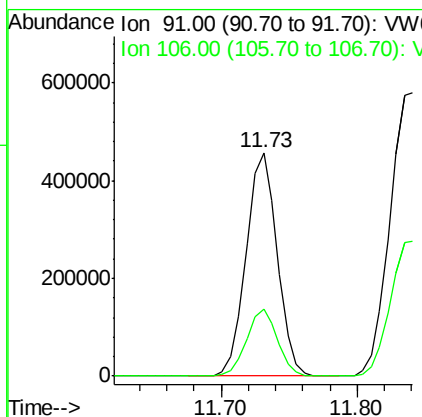
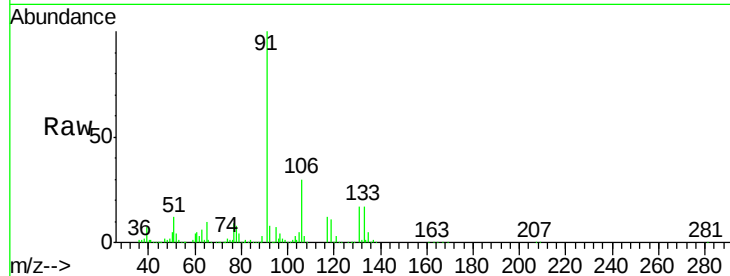




#67
Ethyl Benzene
Concen: 55.367 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012223.D
Acq: 27 Aug 2019 21:11

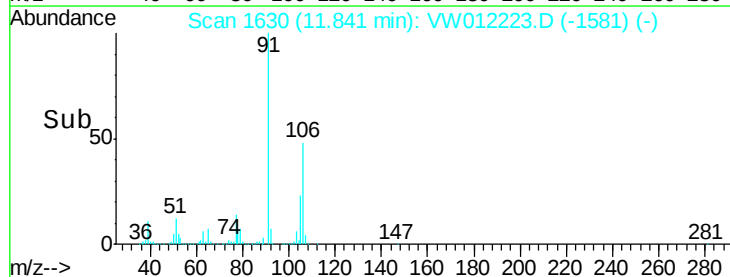
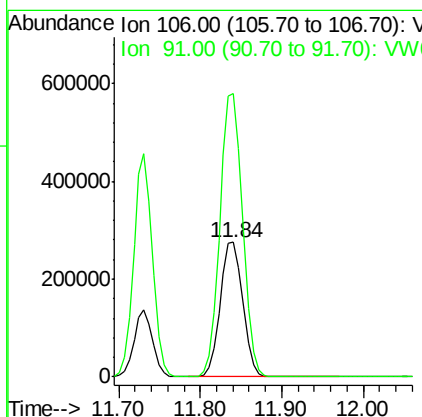
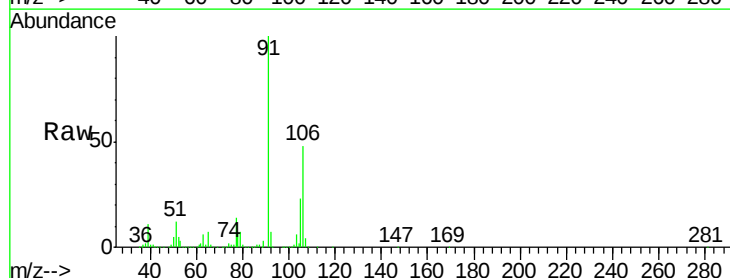
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

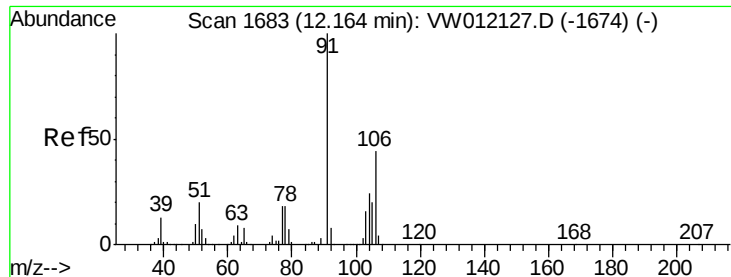
Tot Ion: 91 Resp: 731666
Ion Ratio Lower Upper
91 100
106 30.0 24.3 36.5



#68
m/p-Xylenes
Concen: 111.413 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012223.D
Acq: 27 Aug 2019 21:11

Tgt Ion: 106 Resp: 530339
Ion Ratio Lower Upper
106 100
91 210.1 169.5 254.3

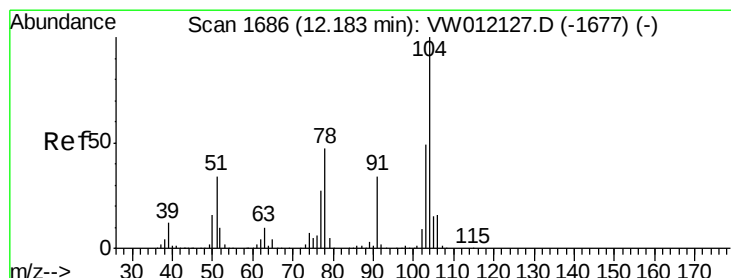
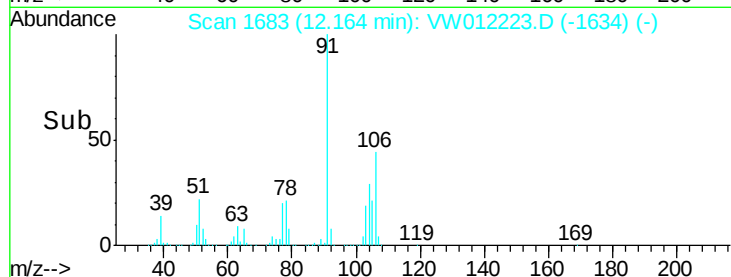
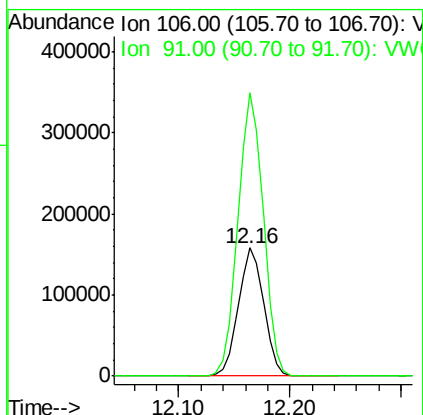
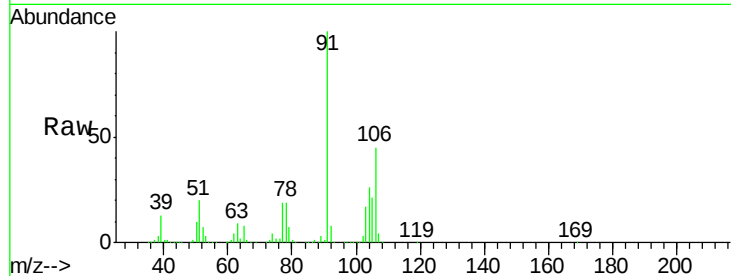




#69
o-Xylene
Concen: 56.538 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012223.D
Acq: 27 Aug 2019 21:11

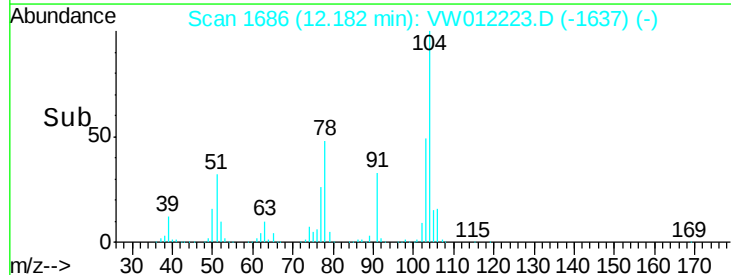
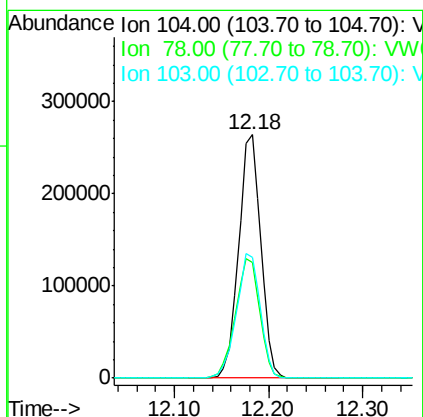
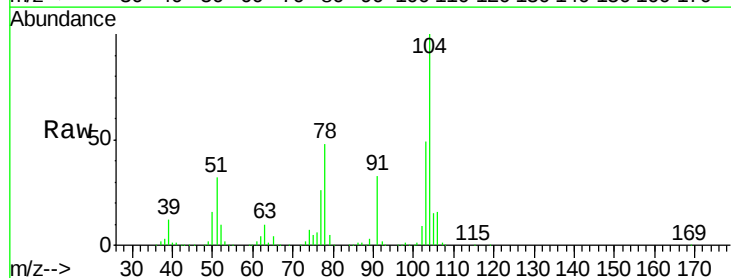
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

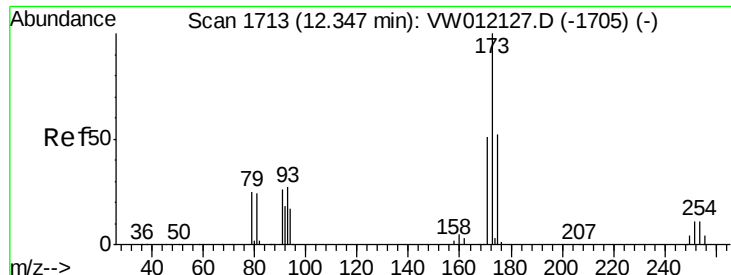
Tot Ion:106 Resp: 249086
Ion Ratio Lower Upper
106 100
91 221.5 111.6 334.6



#70
Styrene
Concen: 56.801 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012223.D
Acq: 27 Aug 2019 21:11

Tgt Ion:104 Resp: 433144
Ion Ratio Lower Upper
104 100
78 53.8 43.1 64.7
103 54.7 43.5 65.3





#71

Bromoform

Concen: 57.969 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012223.D

Acq: 27 Aug 2019 21:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

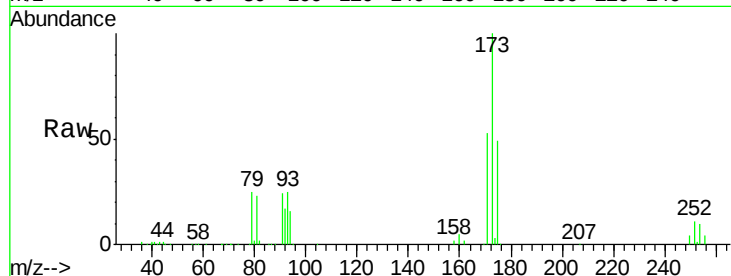
Tot Ion:173 Resp: 69120

Ion Ratio Lower Upper

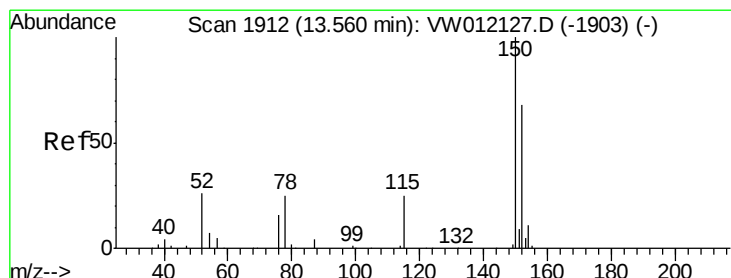
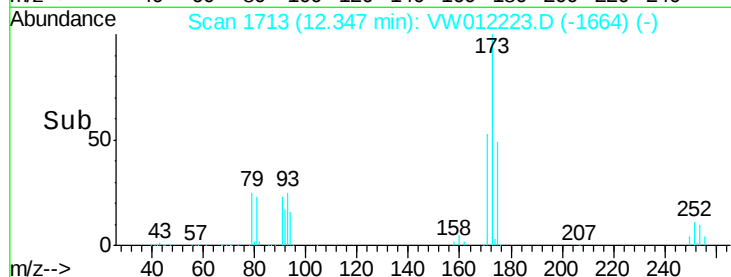
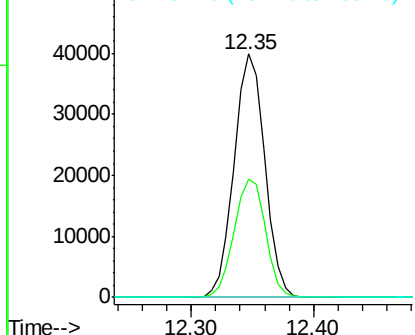
173 100

175 49.7 24.6 74.0

254 0.1 0.2 0.2#



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: VW012223.D

Acq: 27 Aug 2019 21:11

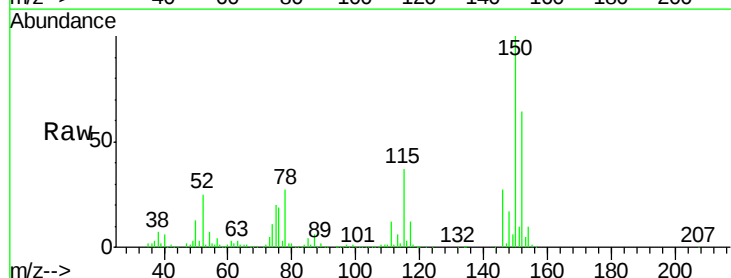
Tgt Ion:152 Resp: 164682

Ion Ratio Lower Upper

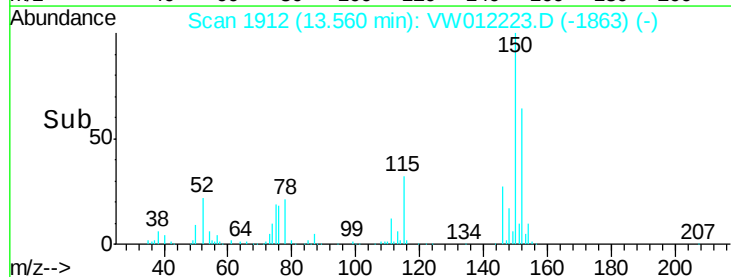
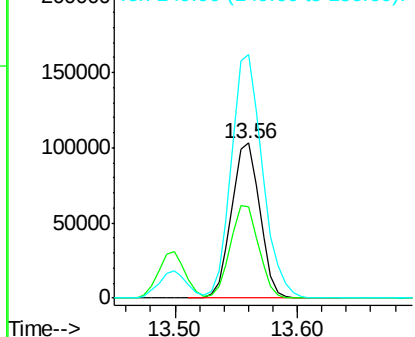
152 100

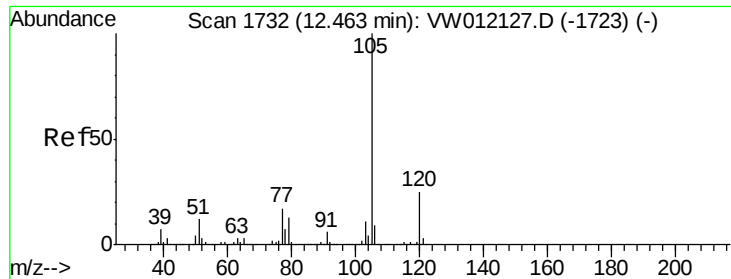
115 60.1 30.1 90.3

150 173.0 0.0 345.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V

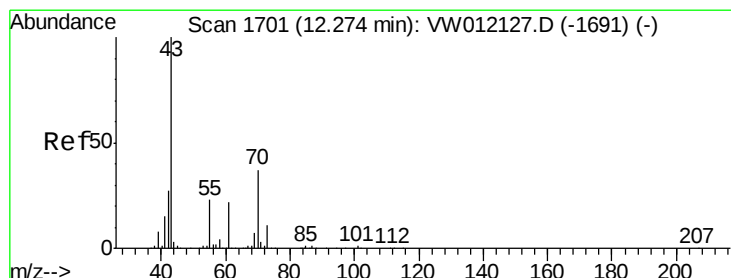
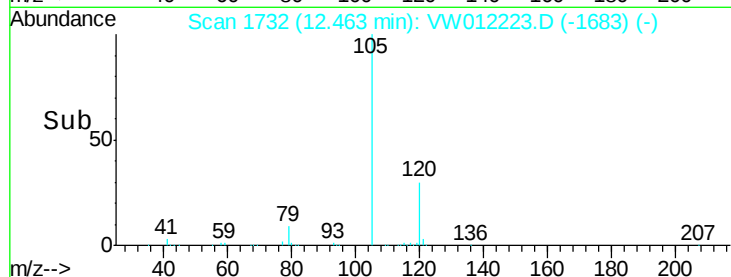
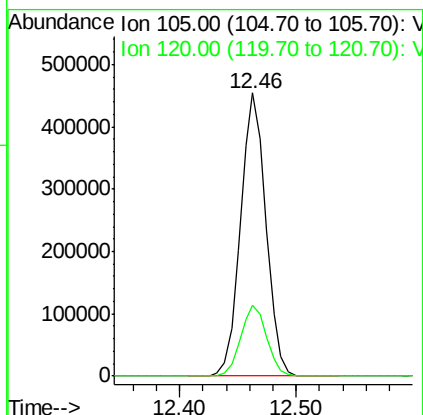
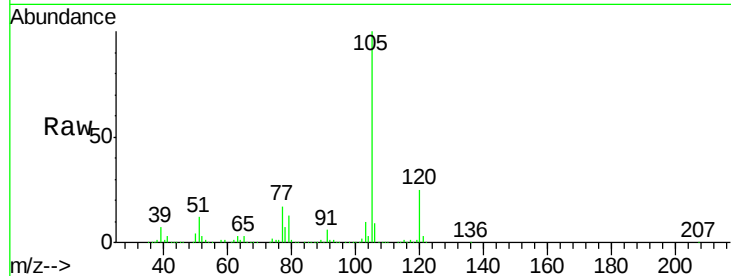




#73
Isopropylbenzene
Concen: 55.883 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW012223.D
Acq: 27 Aug 2019 21:11

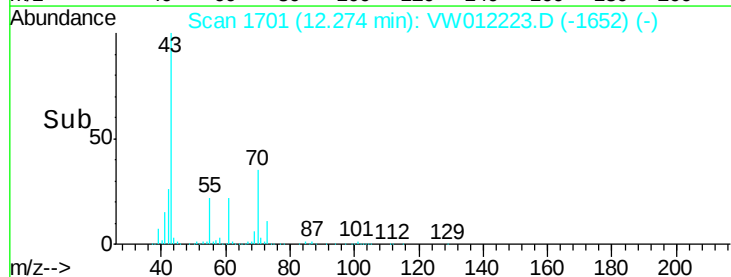
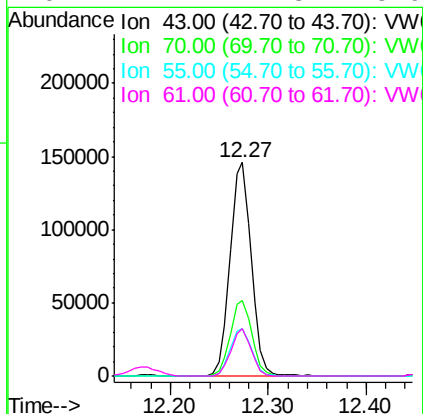
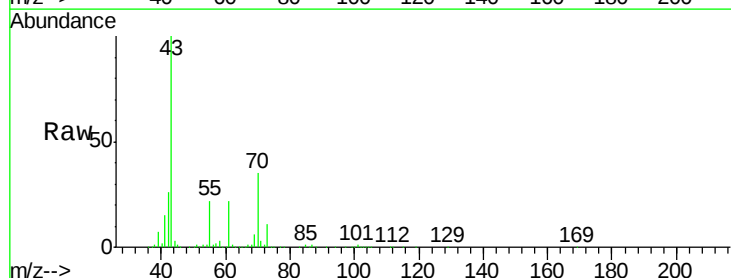
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

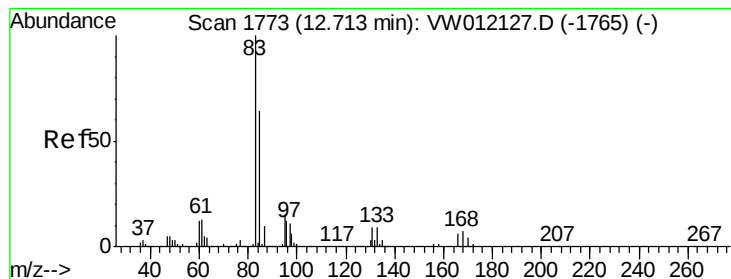
Tot Ion:105 Resp: 689585
Ion Ratio Lower Upper
105 100
120 25.5 12.5 37.5



#74
N-ethyl acetate
Concen: 58.858 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW012223.D
Acq: 27 Aug 2019 21:11

Tgt Ion: 43 Resp: 219434
Ion Ratio Lower Upper
43 100
70 36.1 28.6 43.0
55 22.9 17.8 26.6
61 21.2 17.3 25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 56.630 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012223.D

Acq: 27 Aug 2019 21:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

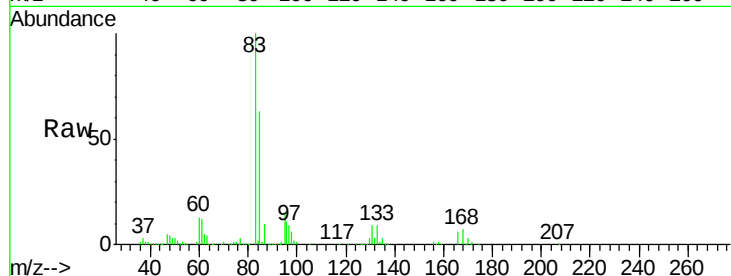
Tot Ion: 83 Resp: 128112

Ion Ratio Lower Upper

83 100

131 10.1 4.9 14.7

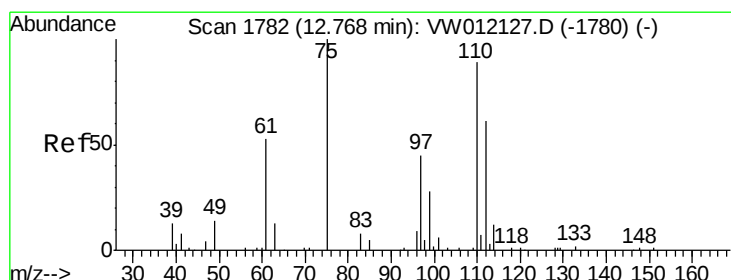
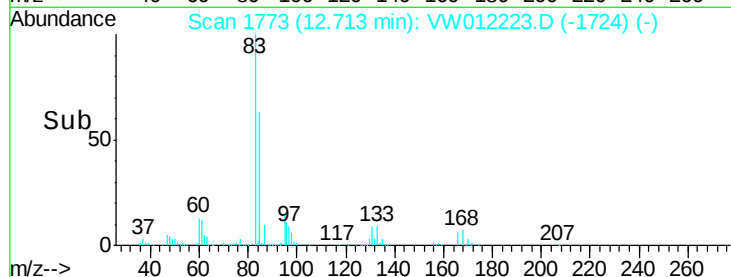
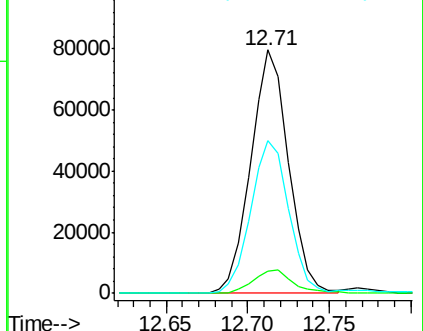
85 63.8 31.9 95.7



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: 53.352 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW012223.D

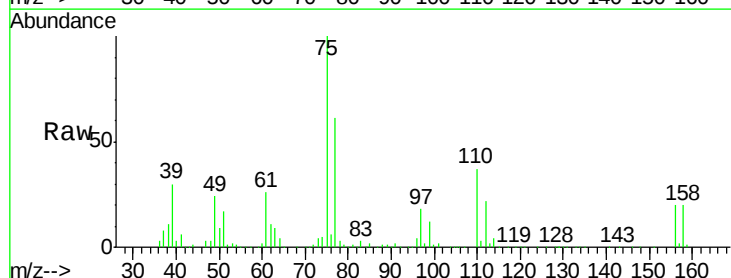
Acq: 27 Aug 2019 21:11

Tgt Ion: 75 Resp: 85570

Ion Ratio Lower Upper

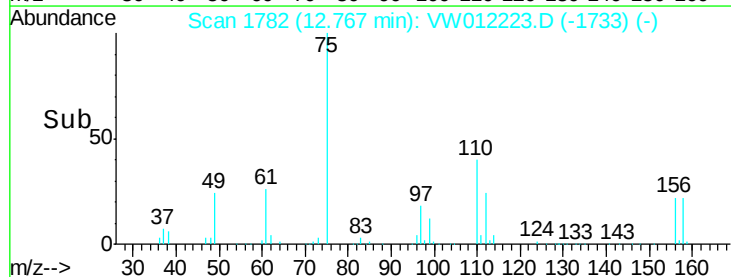
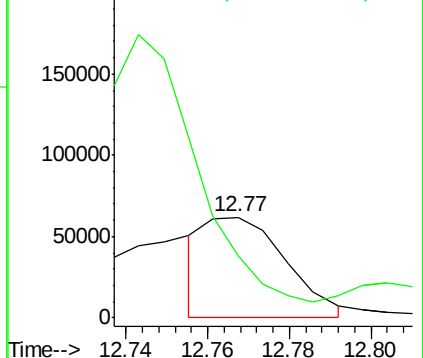
75 100

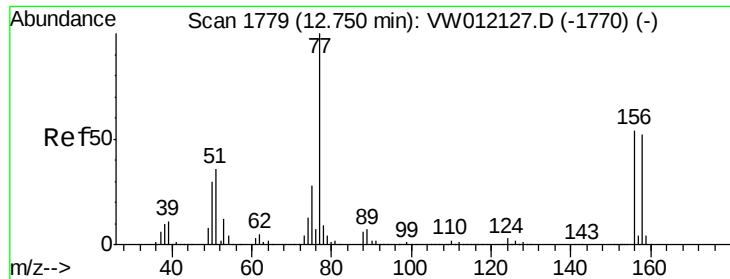
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 57.049 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012223.D

Acq: 27 Aug 2019 21:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

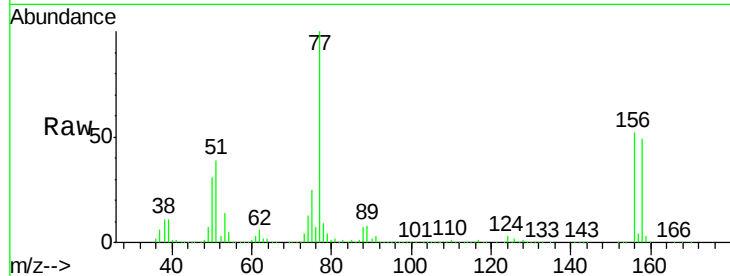
Tot Ion:156 Resp: 152297

Ion Ratio Lower Upper

156 100

77 208.6 107.3 321.8

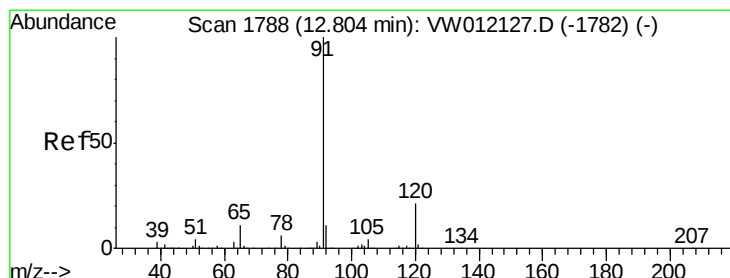
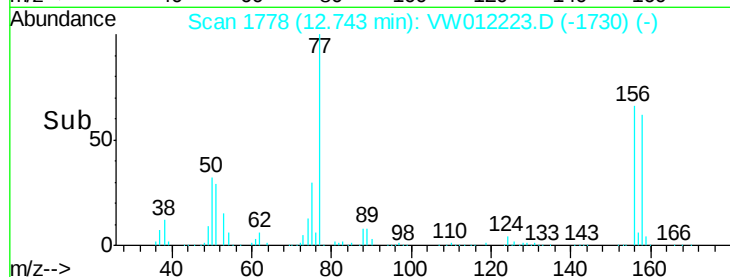
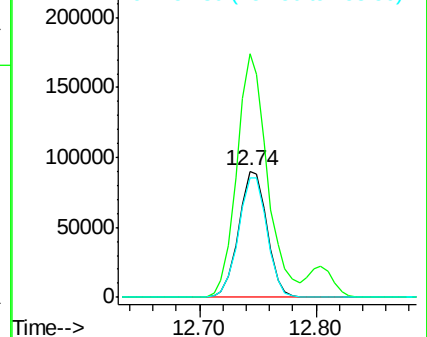
158 96.0 49.0 147.0



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: 55.584 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012223.D

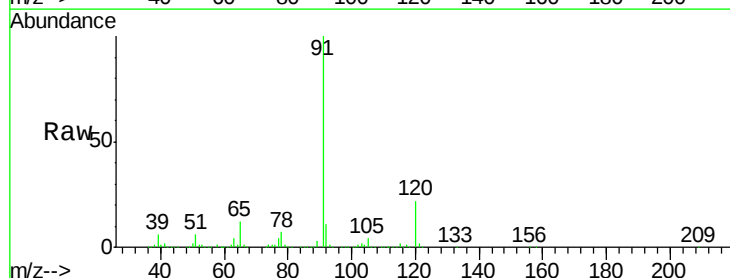
Acq: 27 Aug 2019 21:11

Tgt Ion: 91 Resp: 837348

Ion Ratio Lower Upper

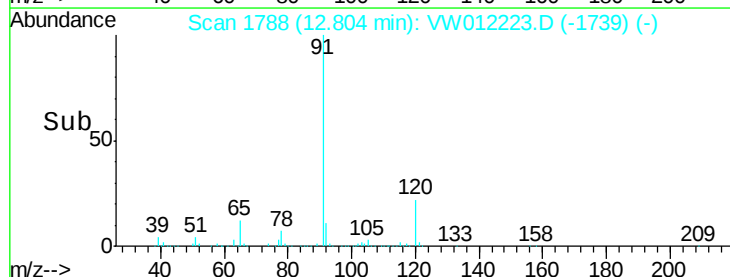
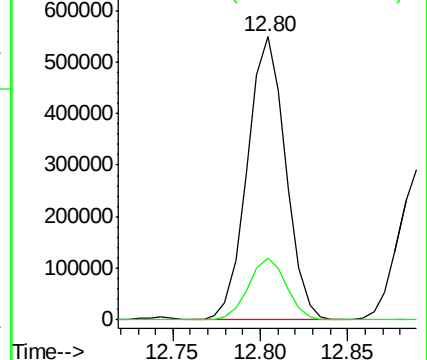
91 100

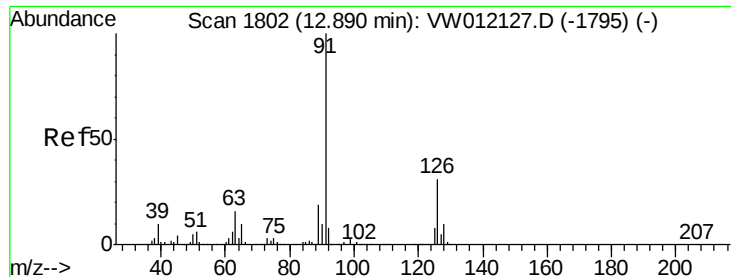
120 21.8 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 55.278 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012223.D

Acq: 27 Aug 2019 21:11

Instrument :

MSVOA_W

ClientSampleId :

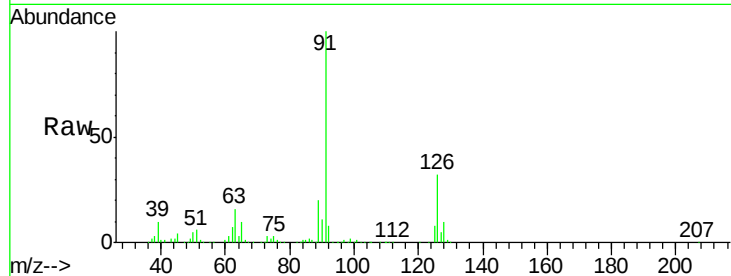
VSTDCCC050

Tot Ion: 91 Resp: 472781

Ion Ratio Lower Upper

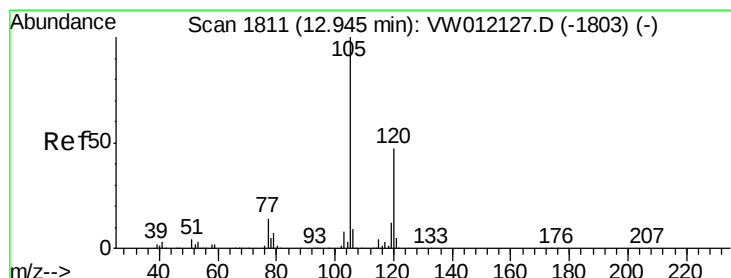
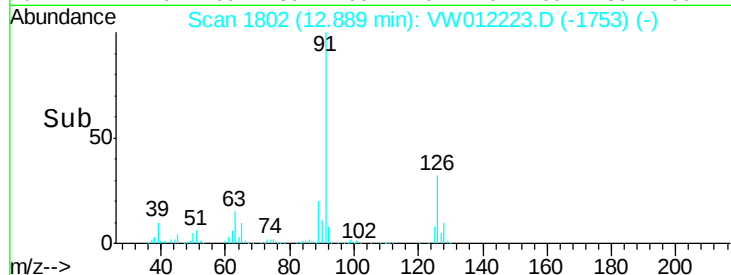
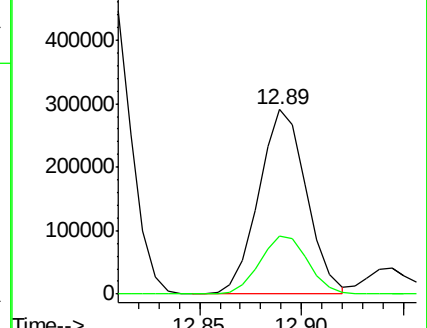
91 100

126 31.9 15.7 47.0



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: 56.261 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012223.D

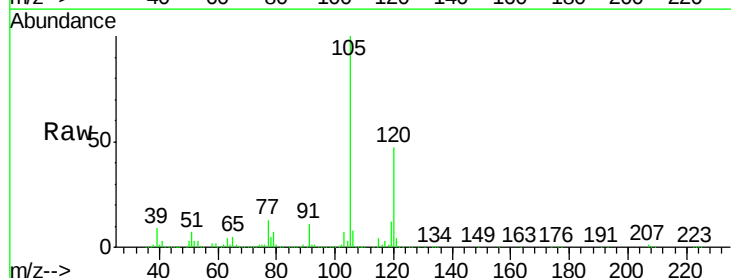
Acq: 27 Aug 2019 21:11

Tgt Ion:105 Resp: 580121

Ion Ratio Lower Upper

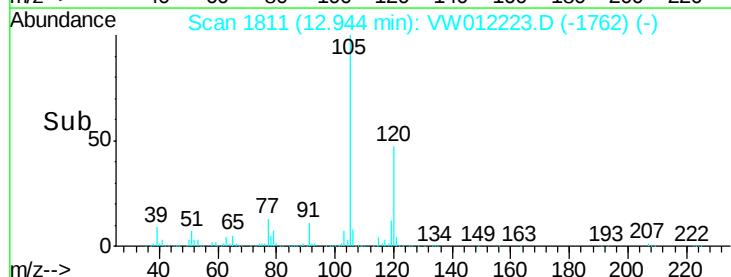
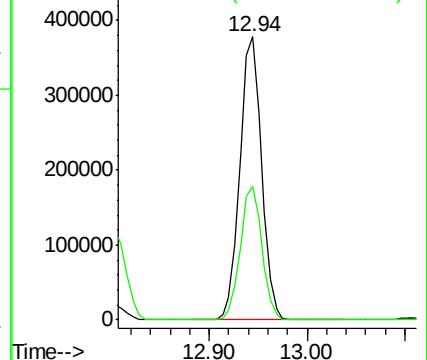
105 100

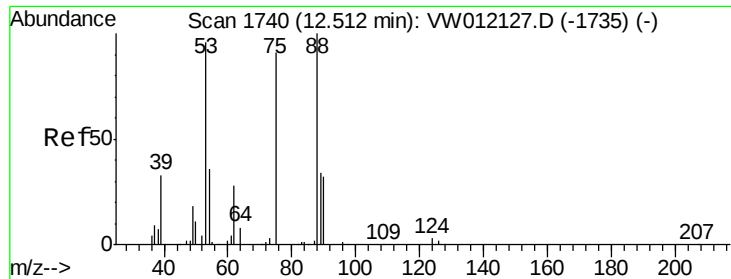
120 47.1 24.0 72.0



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: 59.812 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012223.D

Acq: 27 Aug 2019 21:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

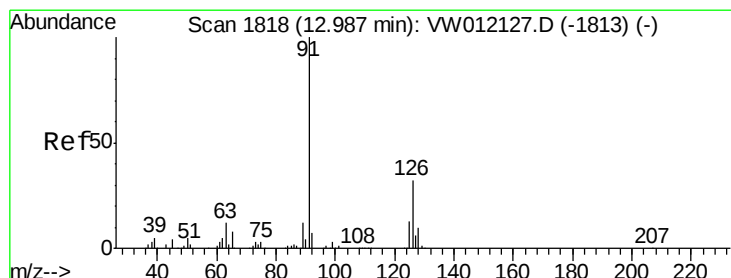
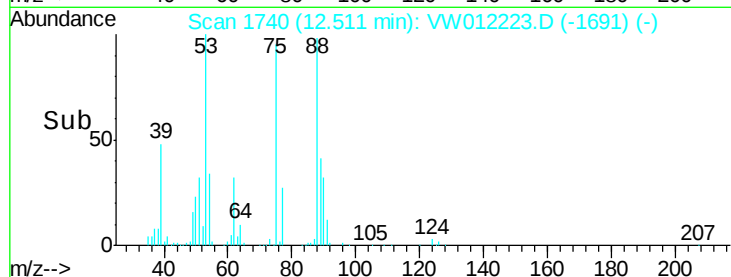
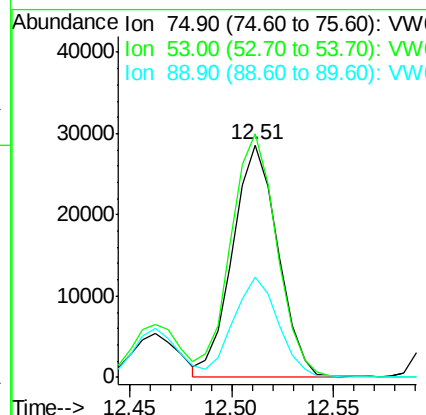
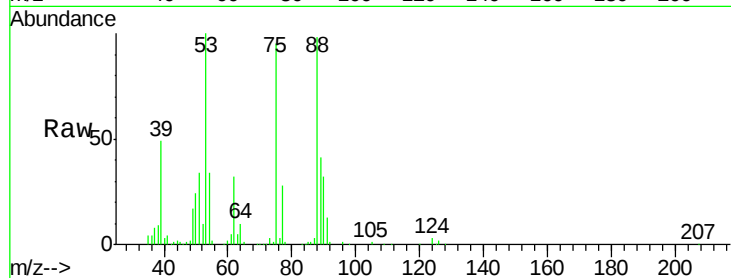
Tot Ion: 75 Resp: 43754

Ion Ratio Lower Upper

75 100

53 106.3 89.4 134.0

89 42.9 34.5 51.7



#82

4-Chlorotoluene

Concen: 55.404 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW012223.D

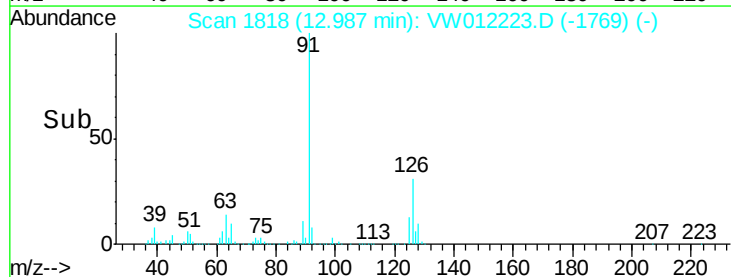
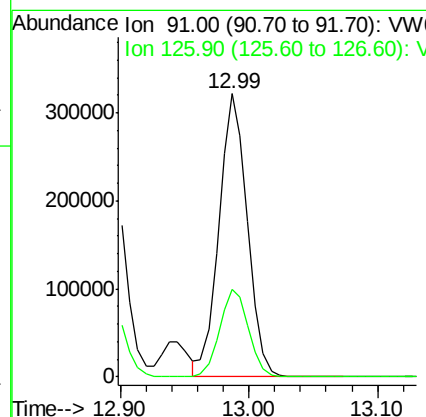
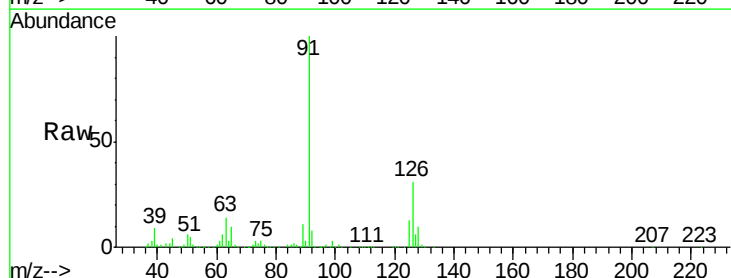
Acq: 27 Aug 2019 21:11

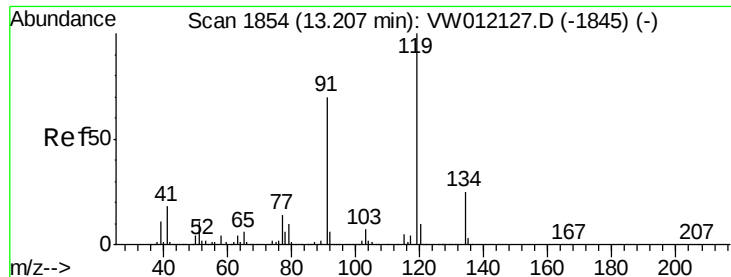
Tgt Ion: 91 Resp: 496160

Ion Ratio Lower Upper

91 100

126 31.6 15.6 46.8

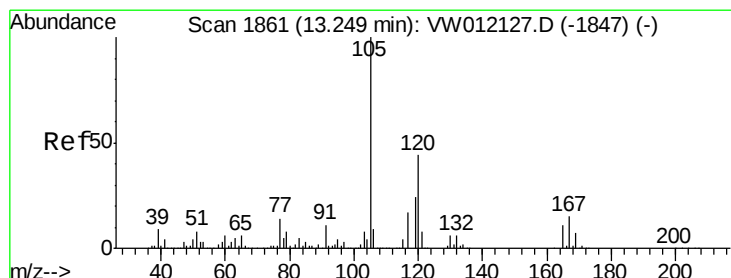
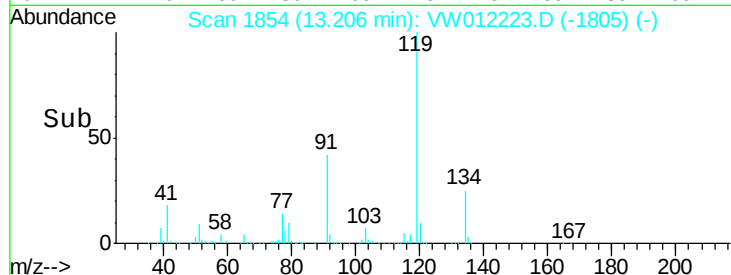
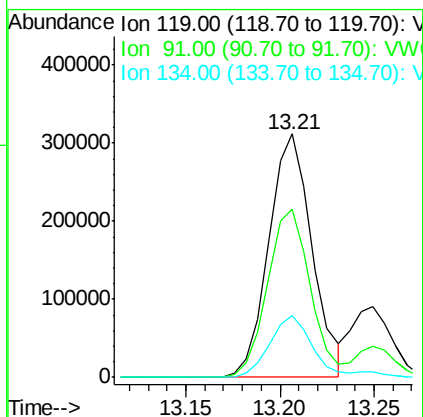
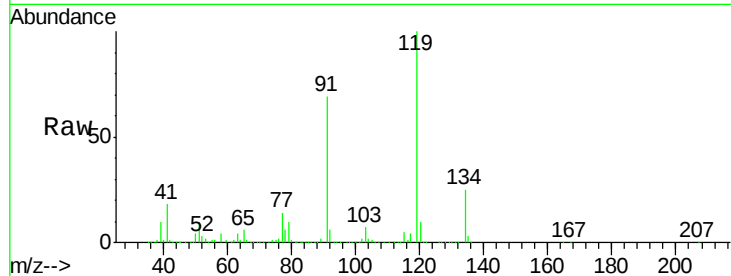




#83
tert-Butylbenzene
Concen: 56.891 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012223.D
Acq: 27 Aug 2019 21:11

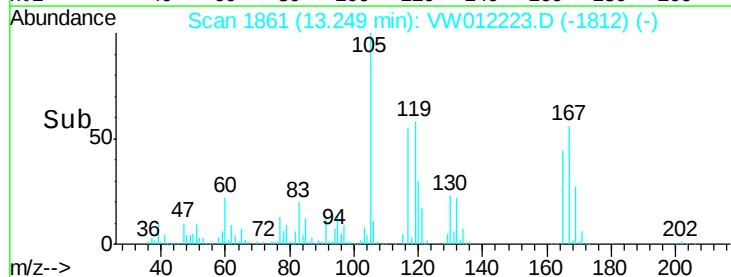
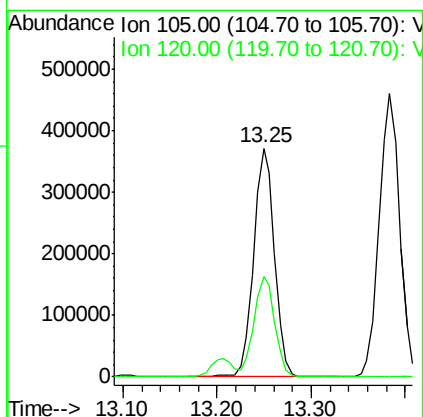
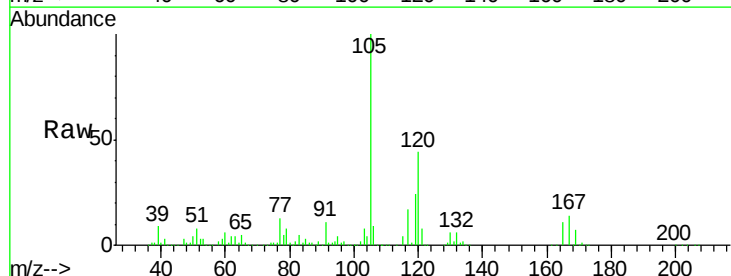
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

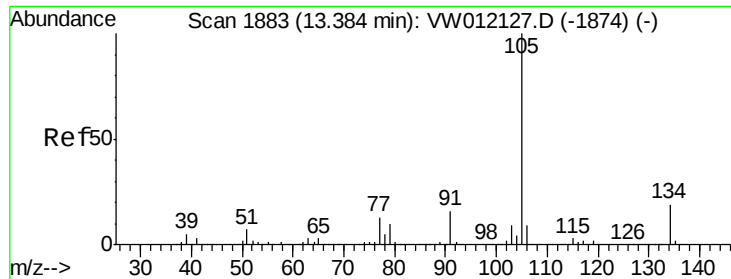
Tot Ion:119 Resp: 496911
Ion Ratio Lower Upper
119 100
91 68.0 34.8 104.3
134 26.4 13.3 39.8



#84
1,2,4-Trimethylbenzene
Concen: 55.795 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012223.D
Acq: 27 Aug 2019 21:11

Tgt Ion:105 Resp: 577916
Ion Ratio Lower Upper
105 100
120 43.8 21.9 65.7

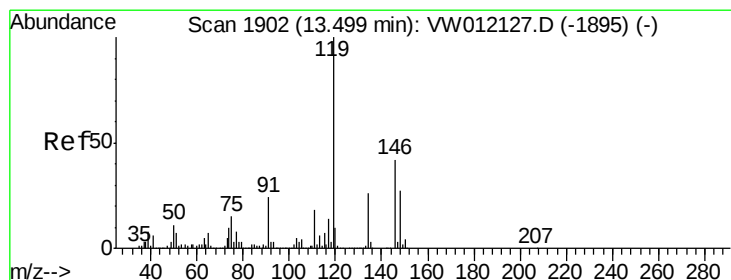
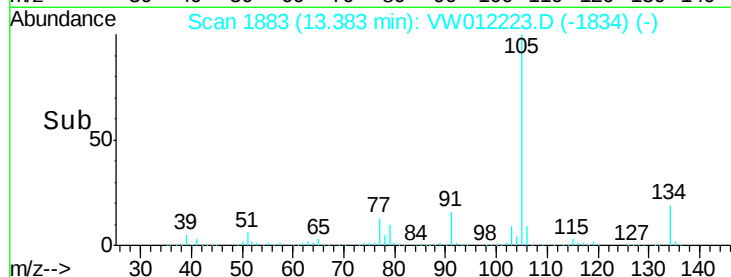
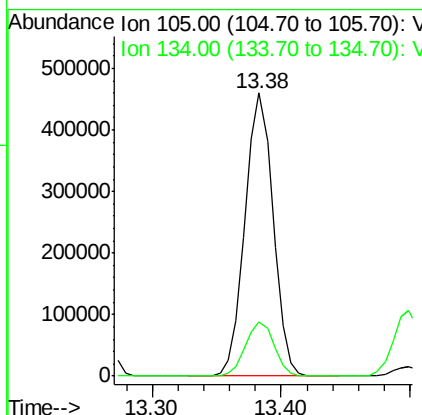
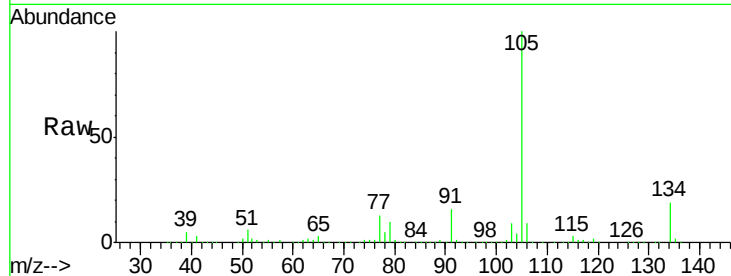




#85
 sec-Butylbenzene
 Concen: 55.384 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012223.D
 Acq: 27 Aug 2019 21:11

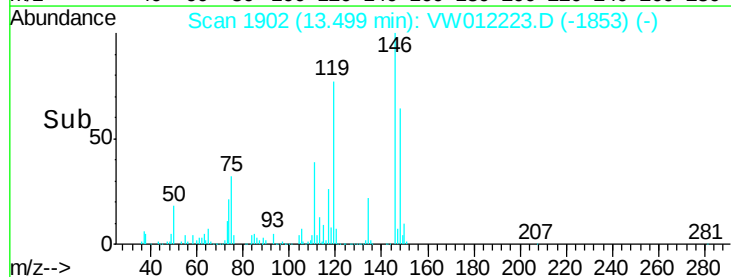
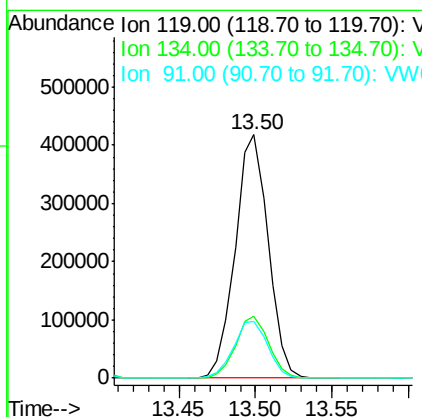
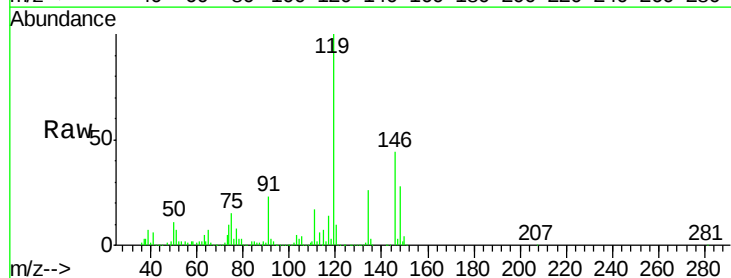
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

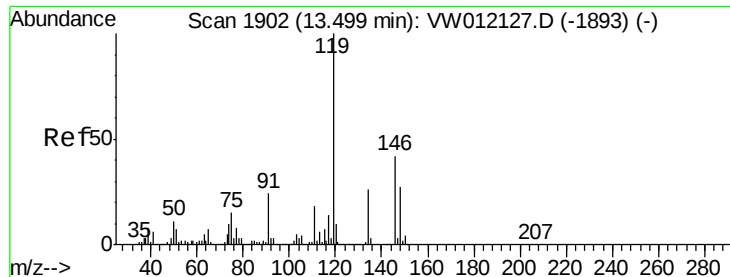
Tot Ion:105 Resp: 693053
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 55.848 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012223.D
 Acq: 27 Aug 2019 21:11

Tgt Ion:119 Resp: 624127
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.8 38.3
 91 24.1 12.3 36.9

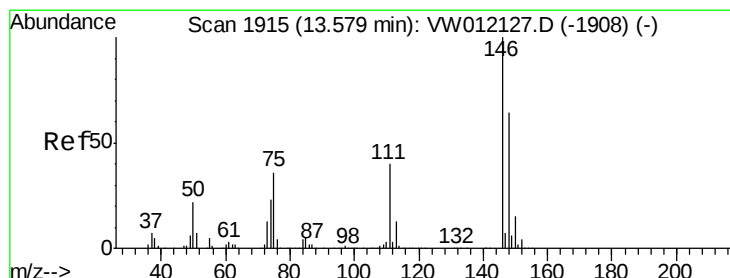
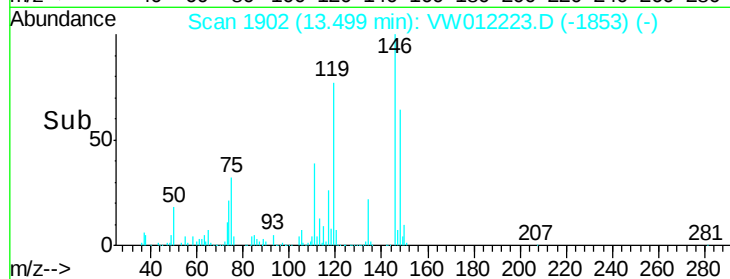
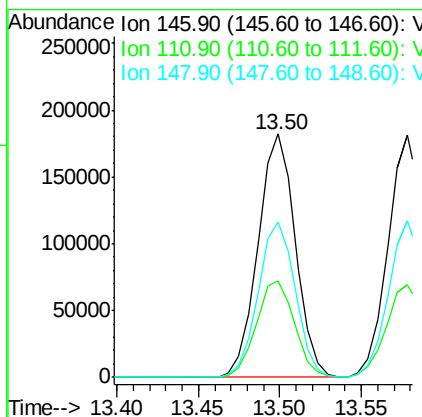
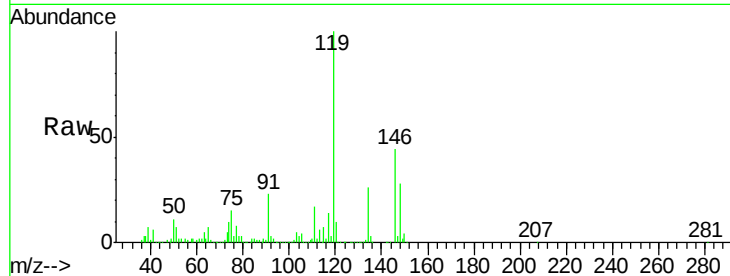




#87
 1,3-Dichlorobenzene
 Concen: 55.528 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012223.D
 Acq: 27 Aug 2019 21:11

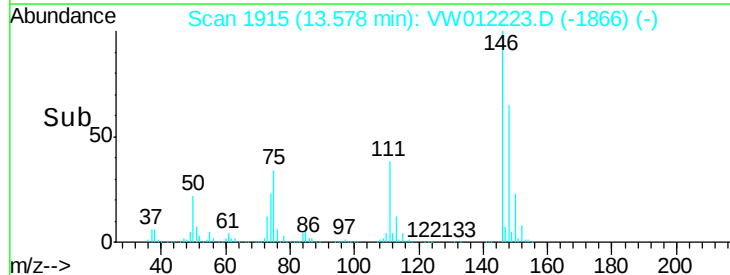
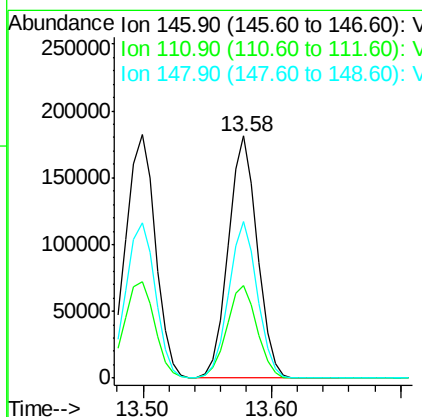
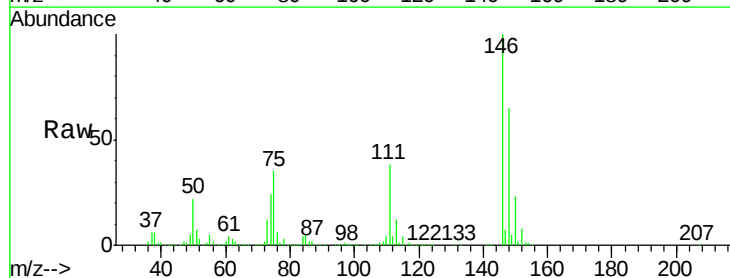
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

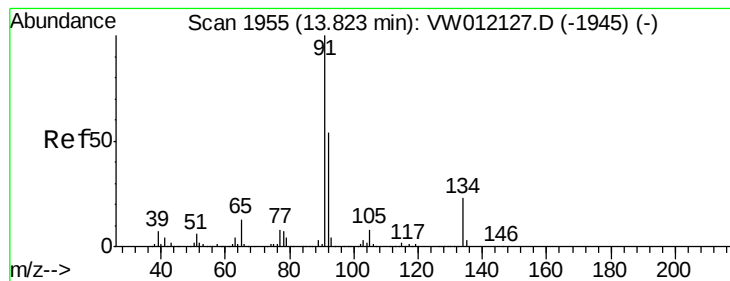
Tot Ion:146 Resp: 289948
 Ion Ratio Lower Upper
 146 100
 111 40.5 20.9 62.7
 148 63.5 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 54.814 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012223.D
 Acq: 27 Aug 2019 21:11

Tgt Ion:146 Resp: 284196
 Ion Ratio Lower Upper
 146 100
 111 39.8 20.0 60.0
 148 64.3 32.1 96.3





#89

n-Butylbenzene

Concen: 55.265 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012223.D

Acq: 27 Aug 2019 21:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

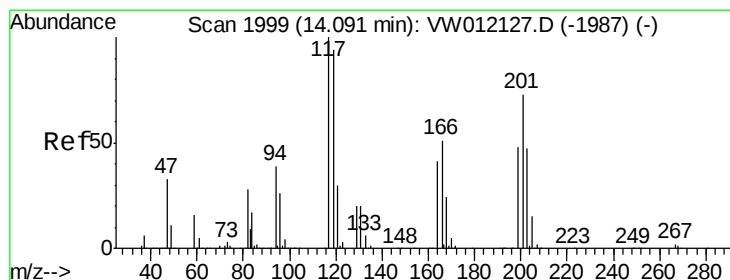
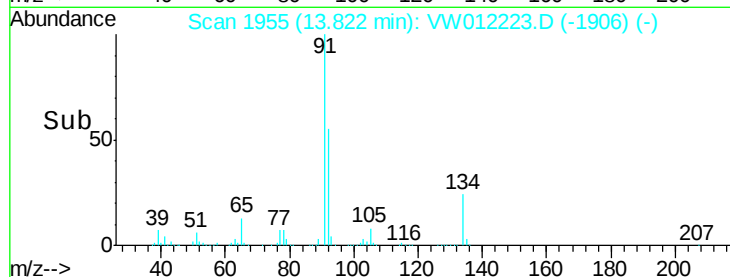
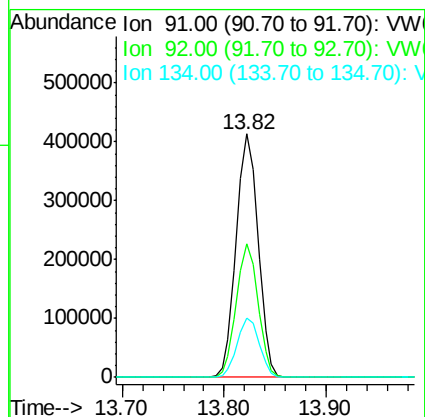
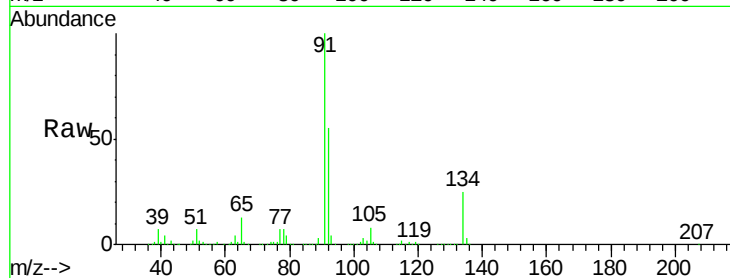
Tot Ion: 91 Resp: 614173

Ion Ratio Lower Upper

91 100

92 54.1 27.1 81.2

134 24.7 12.2 36.4



#90

Hexachloroethane

Concen: 57.592 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW012223.D

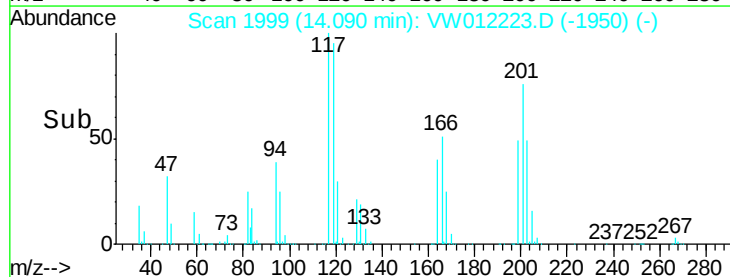
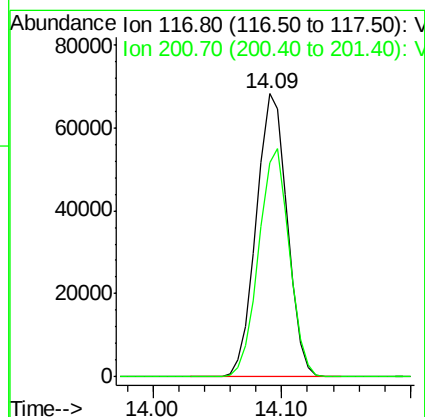
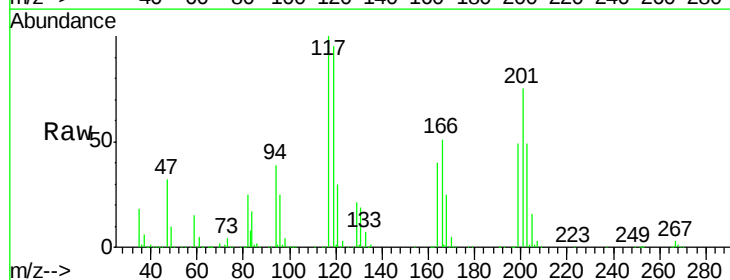
Acq: 27 Aug 2019 21:11

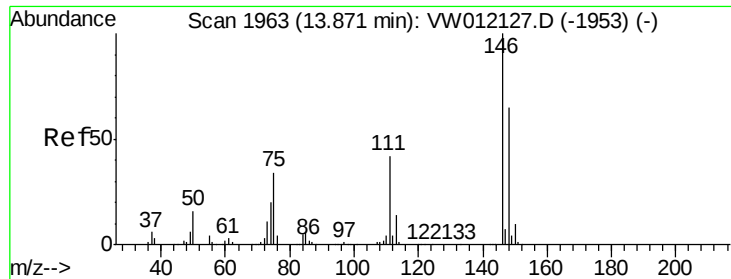
Tgt Ion: 117 Resp: 112920

Ion Ratio Lower Upper

117 100

201 79.9 38.6 115.7

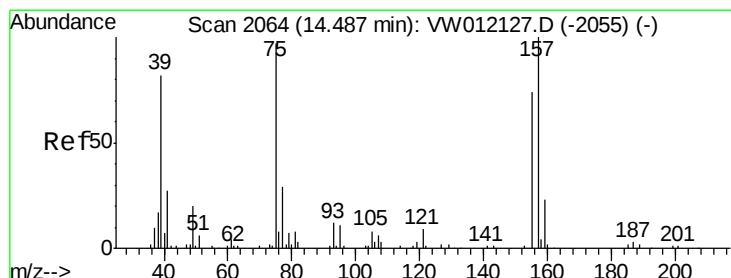
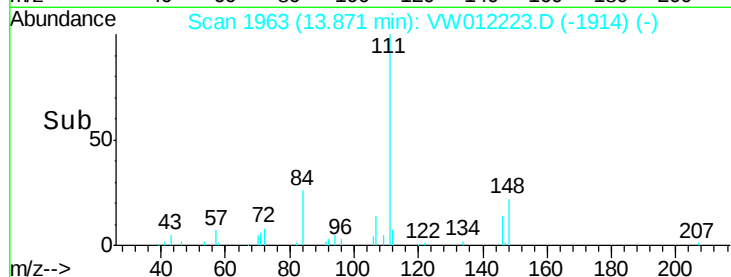
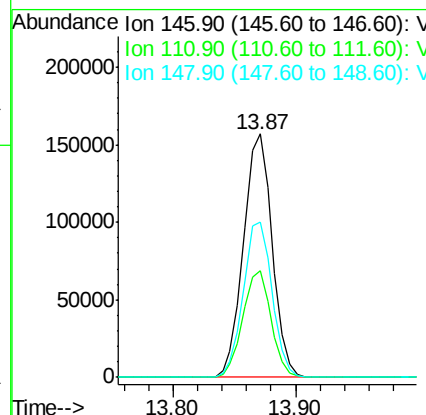
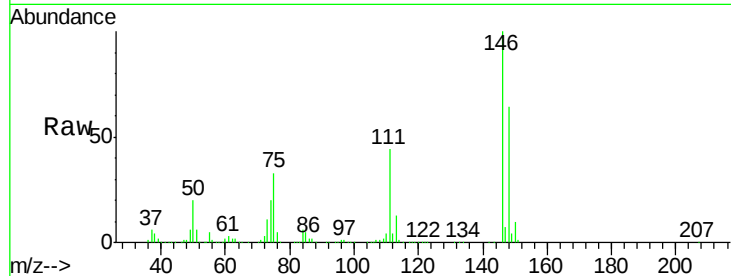




#91
 1,2-Dichlorobenzene
 Concen: 55.637 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012223.D
 Acq: 27 Aug 2019 21:11

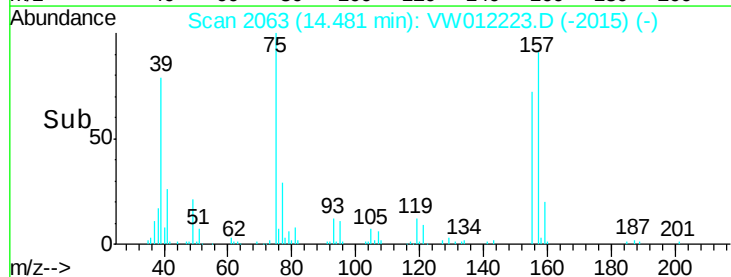
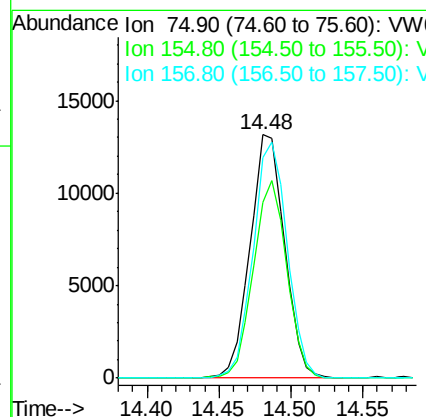
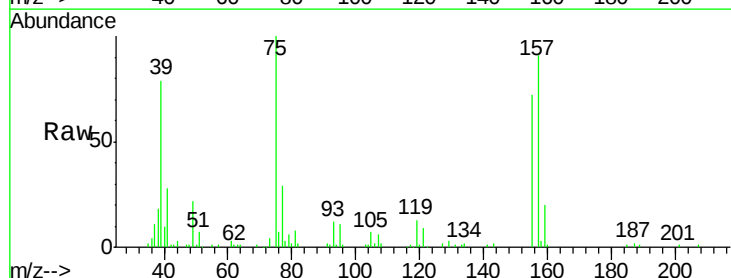
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

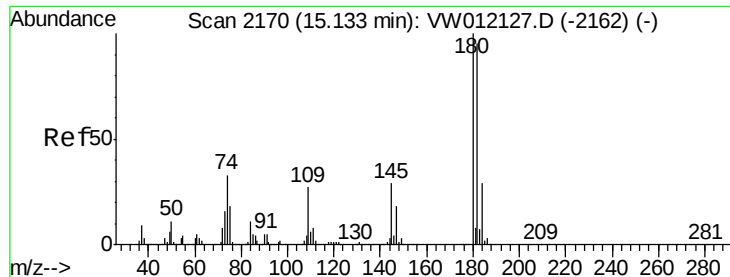
Tot Ion:146 Resp: 254858
 Ion Ratio Lower Upper
 146 100
 111 43.3 21.2 63.6
 148 64.4 32.5 97.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.066 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW012223.D
 Acq: 27 Aug 2019 21:11

Tgt Ion: 75 Resp: 21764
 Ion Ratio Lower Upper
 75 100
 155 78.4 37.5 112.3
 157 96.0 50.5 151.5

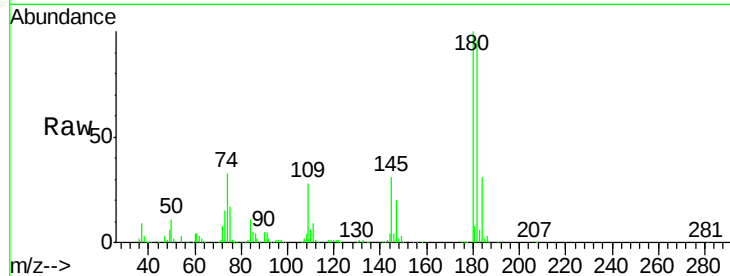




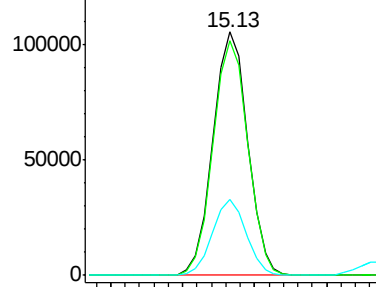
#93
 1,2,4-Trichlorobenzene
 Concen: 55.721 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012223.D
 Acq: 27 Aug 2019 21:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

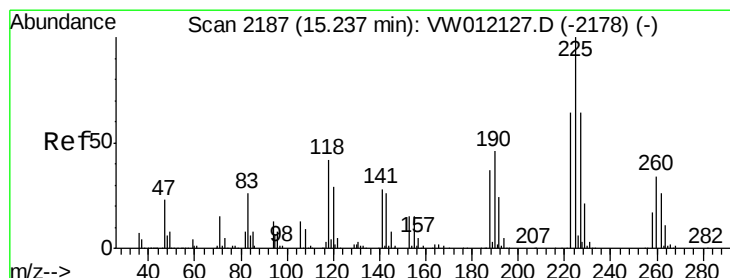
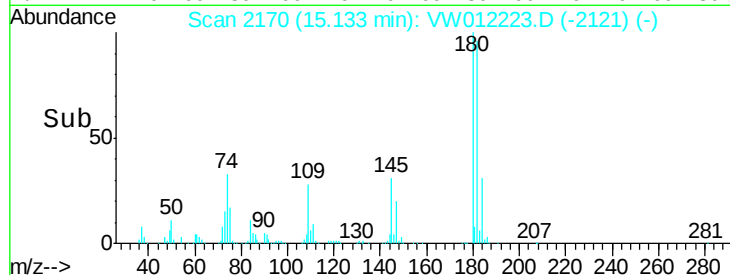
Tot Ion:180 Resp: 176388
 Ion Ratio Lower Upper
 180 100
 182 96.4 47.8 143.4
 145 30.3 15.0 45.1



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

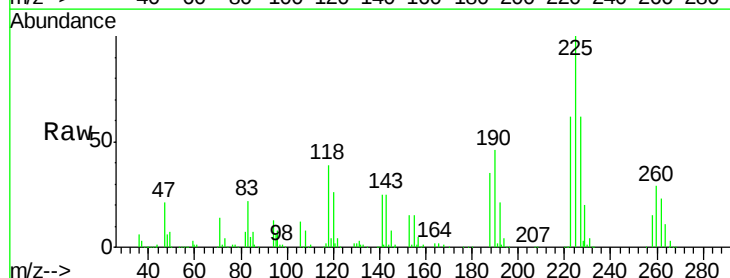


Time-->

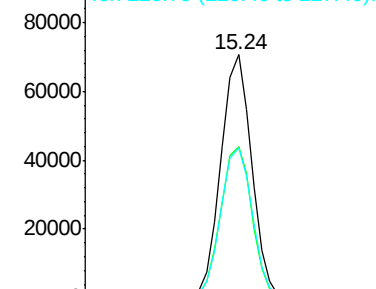


#94
 Hexachlorobutadiene
 Concen: 55.675 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012223.D
 Acq: 27 Aug 2019 21:11

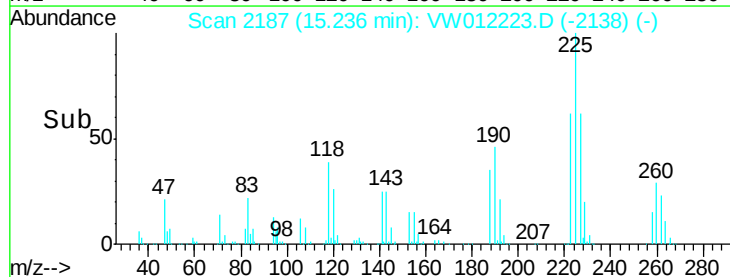
Tgt Ion:225 Resp: 116373
 Ion Ratio Lower Upper
 225 100
 223 63.6 32.3 96.8
 227 63.5 32.9 98.6

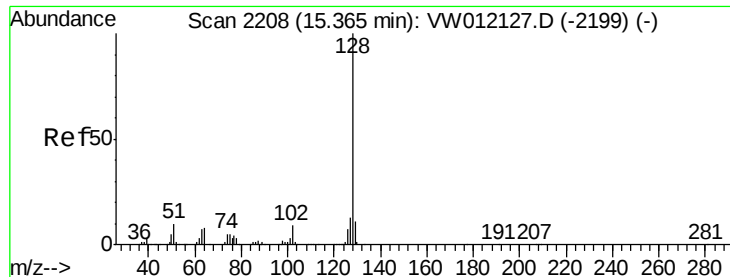


Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V



Time-->

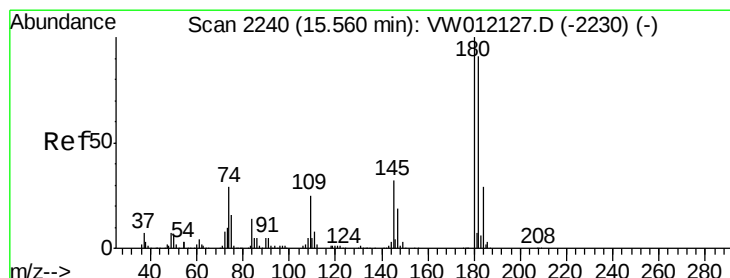
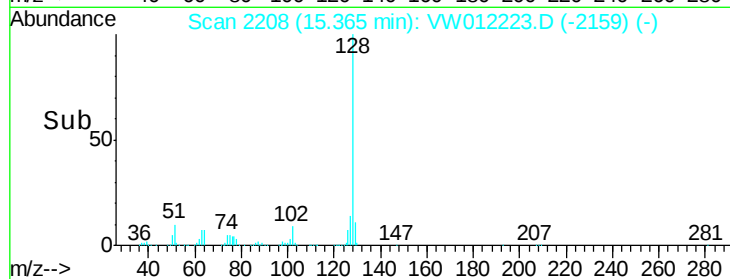
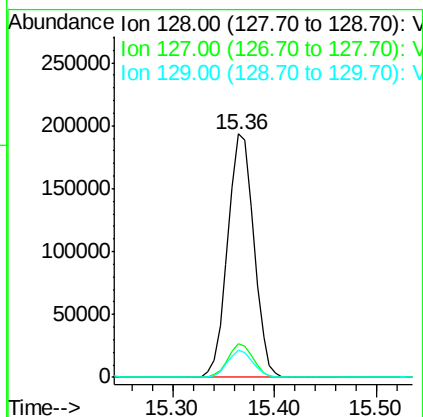
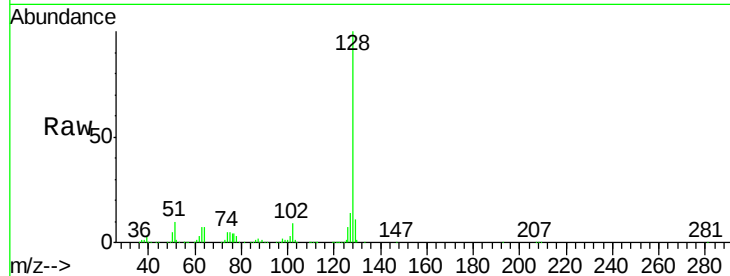




#95
Naphthalene
Concen: 54.698 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012223.D
Acq: 27 Aug 2019 21:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 342531
Ion Ratio Lower Upper
128 100
127 13.4 10.7 16.1
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 57.605 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012223.D
Acq: 27 Aug 2019 21:11

Tgt Ion:180 Resp: 159097
Ion Ratio Lower Upper
180 100
182 94.3 47.1 141.3
145 32.4 16.2 48.5

