

Data File : VW012412.D
Acq On : 31 Aug 2019 20:17
Operator : SY/VA
Sample : VSTDCCC050EC
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Quant Time: Sep 01 03:34:05 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	204623	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	333801	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	299112	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	147954	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	132437	54.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.90%	
35) Dibromofluoromethane	7.88	113	102894	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
50) Toluene-d8	10.32	98	403463	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
62) 4-Bromofluorobenzene	12.62	95	145437	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.01	85	62107	49.294	ug/l 95
3) Chloromethane	2.21	50	105727	54.163	ug/l 98
4) Vinyl Chloride	2.36	62	126564	52.974	ug/l 99
5) Bromomethane	2.79	94	5578	4.610	ug/l 99
6) Chloroethane	2.90	64	76198	56.536	ug/l 92
7) Trichlorofluoromethane	3.24	101	70197	58.513	ug/l 98
8) Diethyl Ether	3.68	74	62834	55.179	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	106898	52.421	ug/l 98
10) Methyl Iodide	4.27	142	155987	56.535	ug/l 98
11) Tert butyl alcohol	5.16	59	44982	307.286	ug/l 99
12) 1,1-Dichloroethene	4.03	96	106967	52.116	ug/l 96
13) Acrolein	3.89	56	34490	250.299	ug/l 98
14) Allyl chloride	4.67	41	243720	55.544	ug/l 99
15) Acrylonitrile	5.36	53	164498	291.446	ug/l 100
16) Acetone	4.12	43	168264	270.612	ug/l 99
17) Carbon Disulfide	4.38	76	309678	49.924	ug/l 99
18) Methyl Acetate	4.67	43	89306	57.989	ug/l 100
19) Methyl tert-butyl Ether	5.42	73	208100	62.697	ug/l 100
20) Methylene Chloride	4.91	84	129905	55.264	ug/l 98
21) trans-1,2-Dichloroethene	5.42	96	120290	54.653	ug/l 98
22) Diisopropyl ether	6.31	45	485149	59.650	ug/l 98
23) Vinyl Acetate	6.25	43	1433332	286.359	ug/l 99
24) 1,1-Dichloroethane	6.21	63	252048	56.915	ug/l 100
25) 2-Butanone	7.17	43	235786	279.056	ug/l 99
26) 2,2-Dichloropropane	7.17	77	134421	53.628	ug/l 98
27) cis-1,2-Dichloroethene	7.17	96	134140	57.044	ug/l 98
28) Bromochloromethane	7.51	49	104783	54.288	ug/l 99
29) Tetrahydrofuran	7.52	42	148718	293.371	ug/l 99
30) Chloroform	7.68	83	236153	58.287	ug/l 99
31) Cyclohexane	7.95	56	208381	47.561	ug/l 97
32) 1,1,1-Trichloroethane	7.87	97	184042	57.421	ug/l 99
36) 1,1-Dichloropropene	8.08	75	182955	53.039	ug/l 99
37) Ethyl Acetate	7.25	43	104196	55.123	ug/l 99
38) Carbon Tetrachloride	8.07	117	164253	55.015	ug/l 98

Data File : VW012412.D
Acq On : 31 Aug 2019 20:17
Operator : SY/VA
Sample : VSTDCCC050EC
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Quant Time: Sep 01 03:34:05 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)
39) Methylcyclohexane	9.34	83	193927	50.043	ug/l	98
40) Benzene	8.32	78	516931	54.882	ug/l	100
41) Methacrylonitrile	7.48	41	58487	52.645	ug/l	95
42) 1,2-Dichloroethane	8.40	62	175824	59.561	ug/l	100
43) Isopropyl Acetate	8.42	43	197002	56.265	ug/l	99
44) Trichloroethene	9.09	130	124291	54.282	ug/l	96
45) 1,2-Dichloropropane	9.37	63	141098	55.662	ug/l	96
46) Dibromomethane	9.46	93	65116	57.734	ug/l	98
47) Bromodichloromethane	9.65	83	174183	58.028	ug/l	98
48) Methyl methacrylate	9.43	41	97132	58.287	ug/l	97
49) 1,4-Dioxane	9.45	88	19375	1122.128	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	513252	288.201	ug/l	99
52) Toluene	10.38	92	316407	55.918	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	177228	57.963	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	207846	56.298	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	90583	56.764	ug/l	99
56) Ethyl methacrylate	10.65	69	135769	58.458	ug/l	99
57) 1,3-Dichloropropane	10.93	76	174746	57.947	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	336870	282.617	ug/l	100
59) 2-Hexanone	10.97	43	358536	284.532	ug/l	99
60) Dibromochloromethane	11.13	129	105582	59.402	ug/l	100
61) 1,2-Dibromoethane	11.23	107	85238	57.335	ug/l	100
64) Tetrachloroethene	10.86	164	109859	56.651	ug/l	98
65) Chlorobenzene	11.66	112	323990	55.009	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	117108	56.995	ug/l	99
67) Ethyl Benzene	11.73	91	620880	54.724	ug/l	98
68) m/p-Xylenes	11.84	106	445020	108.891	ug/l	99
69) o-Xylene	12.16	106	208854	55.216	ug/l	99
70) Styrene	12.18	104	366938	56.046	ug/l	98
71) Bromoform	12.35	173	59026	57.659	ug/l #	99
73) Isopropylbenzene	12.46	105	580020	52.318	ug/l	99
74) N-amyl acetate	12.27	43	186046	55.544	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	107098	52.694	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	145504	100.977	ug/l #	100
77) Bromobenzene	12.74	156	131233	54.716	ug/l	97
78) n-propylbenzene	12.80	91	711722	52.587	ug/l	100
79) 2-Chlorotoluene	12.89	91	413371	53.796	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	502705	54.266	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	34354	52.272	ug/l	97
82) 4-Chlorotoluene	12.99	91	433356	53.862	ug/l	100
83) tert-Butylbenzene	13.21	119	422900	53.892	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	504330	54.196	ug/l	100
85) sec-Butylbenzene	13.38	105	590323	52.508	ug/l	100
86) p-Isopropyltoluene	13.50	119	541185	53.902	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	254692	54.291	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	251779	54.052	ug/l	99
89) n-Butylbenzene	13.82	91	528207	52.903	ug/l	99
90) Hexachloroethane	14.09	117	95804	54.387	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	226375	55.006	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	18778	54.804	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW083119\
Quantitation Report (Not Reviewed)

Data File : VW012412.D
Acq On : 31 Aug 2019 20:17
Operator : SY/VA
Sample : VSTDCCC050EC
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Quant Time: Sep 01 03:34:05 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

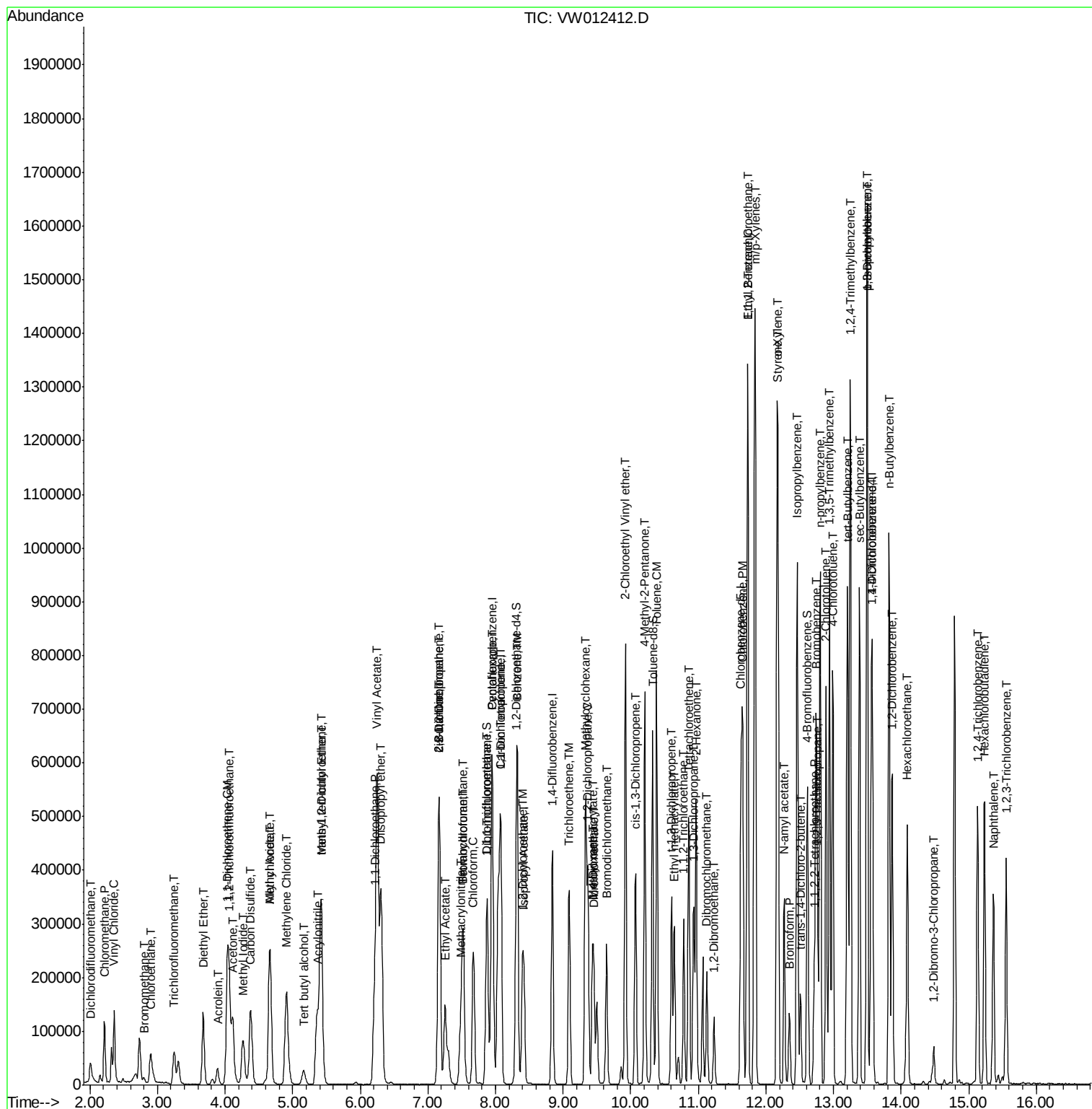
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	159799	56.188	ug/l	99
94) Hexachlorobutadiene	15.24	225	105125	55.980	ug/l	99
95) Naphthalene	15.36	128	286250	51.181	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	140607	56.666	ug/l	100

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

Data File : VW012412.D
Acq On : 31 Aug 2019 20:17
Operator : SY/VA
Sample : VSTDCCC050EC
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Quant Time: Sep 01 03:34:05 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012412.D

Acq: 31 Aug 2019 20:17

Instrument :

MSVOA_W

ClientSampleId :

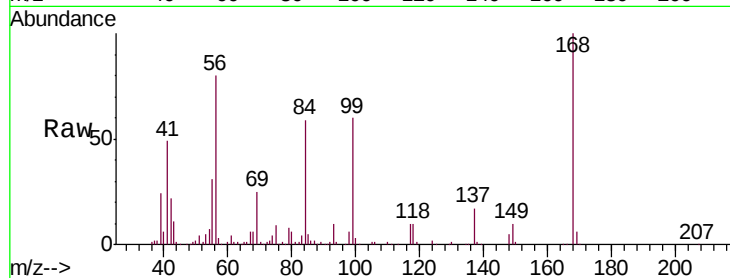
VSTDCCC050EC

Tgt Ion:168 Resp: 204623

Ion Ratio Lower Upper

168 100

99 59.9 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

100000

80000

60000

40000

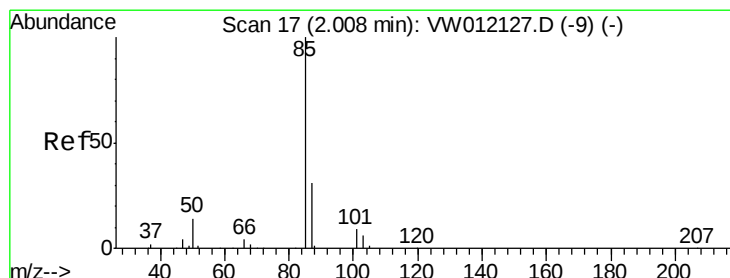
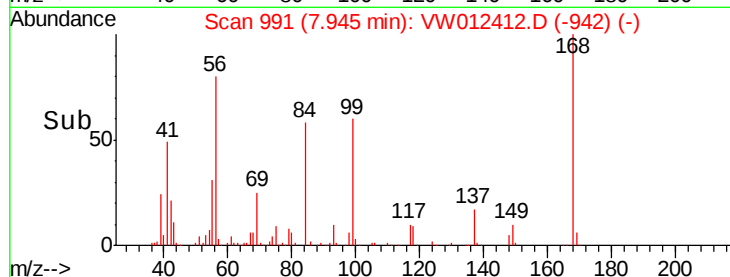
20000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 49.294 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012412.D

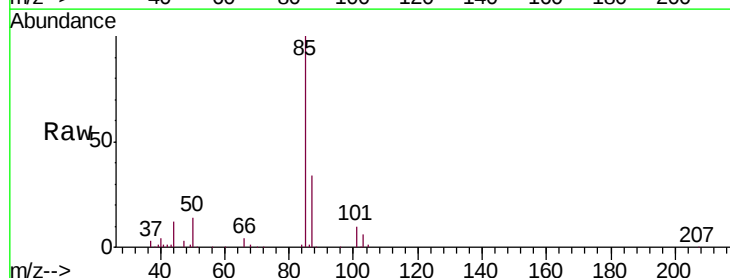
Acq: 31 Aug 2019 20:17

Tgt Ion: 85 Resp: 62107

Ion Ratio Lower Upper

85 100

87 33.8 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

20000

15000

10000

5000

0

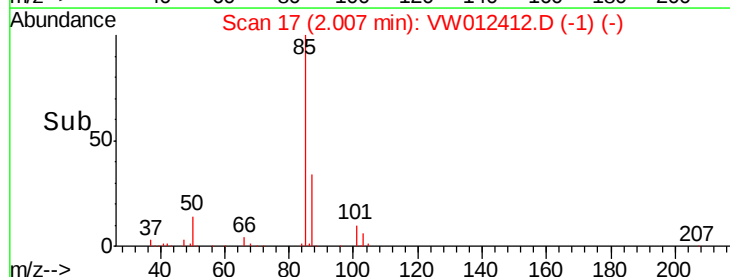
1.90

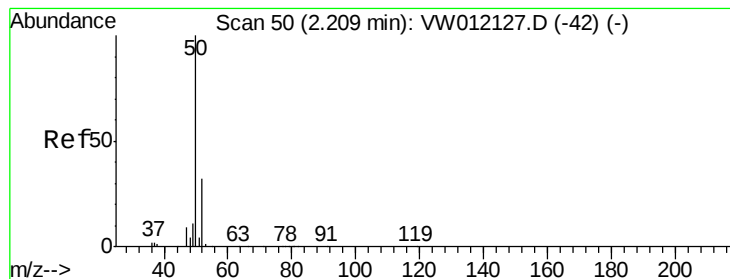
2.00

2.10

2.20

Time-->





#3

Chloromethane

Concen: 54.163 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW012412.D

Acq: 31 Aug 2019 20:17

Instrument :

MSVOA_W

ClientSampleId :

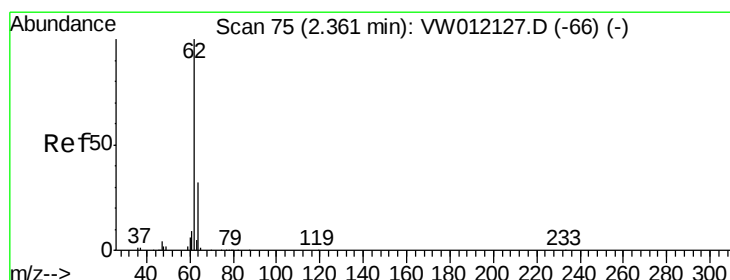
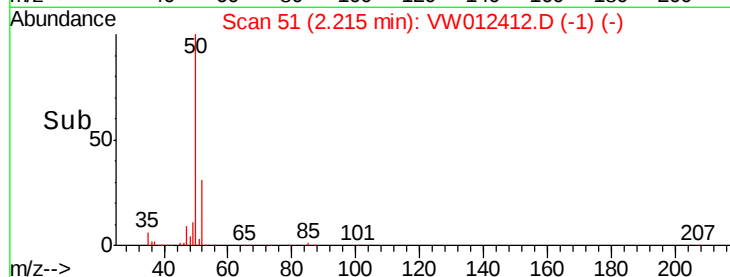
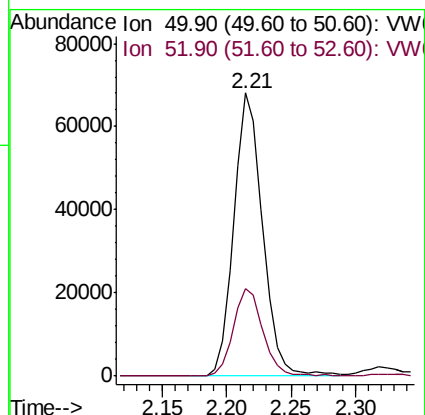
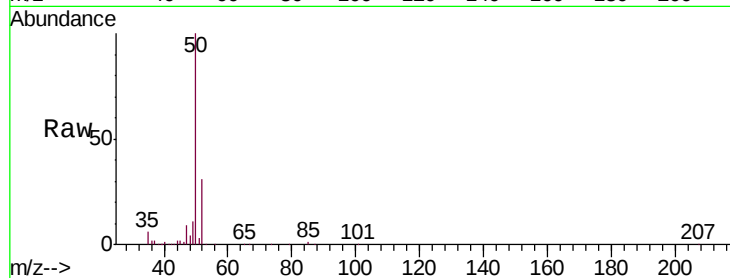
VSTDCCC050EC

Tgt Ion: 50 Resp: 105727

Ion Ratio Lower Upper

50 100

52 30.9 25.5 38.3



#4

Vinyl Chloride

Concen: 52.974 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012412.D

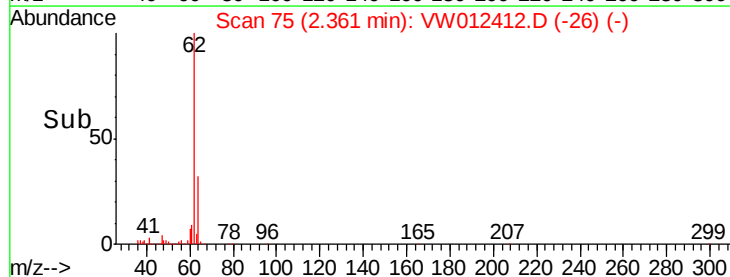
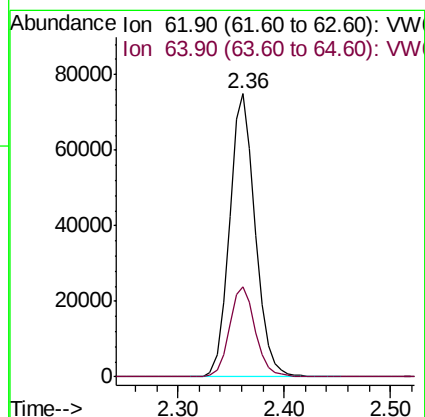
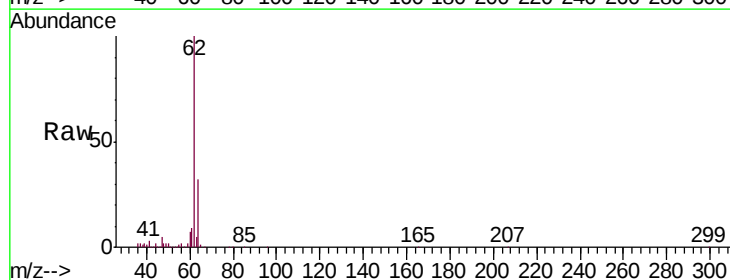
Acq: 31 Aug 2019 20:17

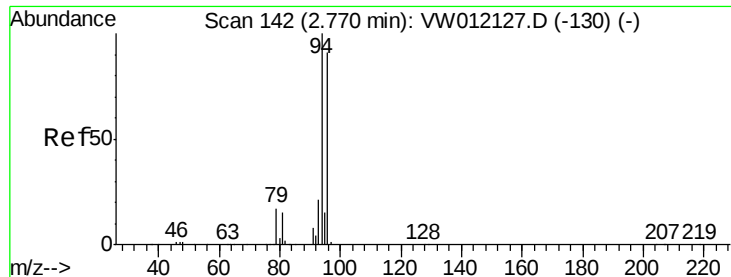
Tgt Ion: 62 Resp: 126564

Ion Ratio Lower Upper

62 100

64 32.0 25.3 37.9





#5

Bromomethane

Concen: 4.610 ug/l

RT: 2.79 min Scan# 146

Delta R.T. 0.02 min

Lab File: VW012412.D

Acq: 31 Aug 2019 20:17

Instrument :

MSVOA_W

ClientSampleId :

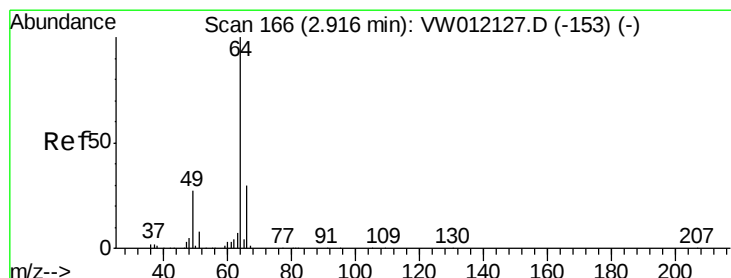
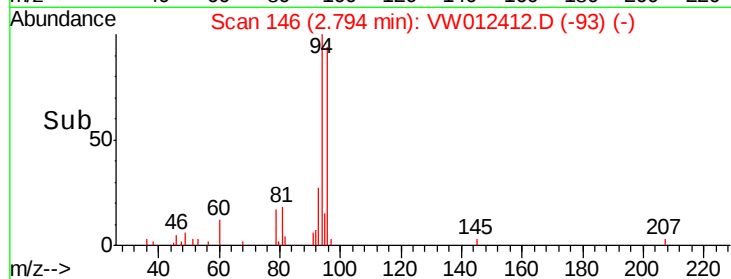
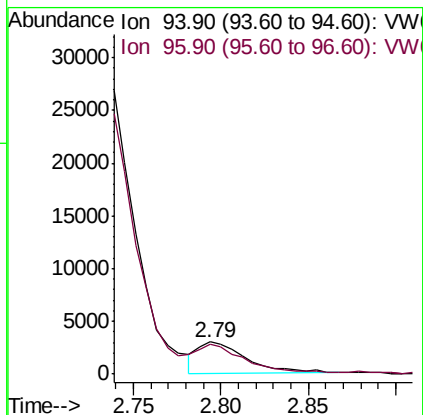
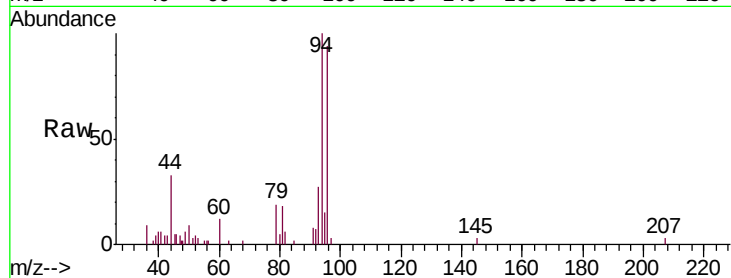
VSTDCCC050EC

Tgt Ion: 94 Resp: 5578

Ion Ratio Lower Upper

94 100

96 92.5 72.9 109.3



#6

Chloroethane

Concen: 56.536 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW012412.D

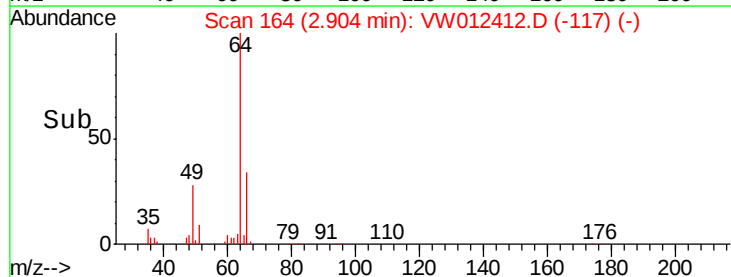
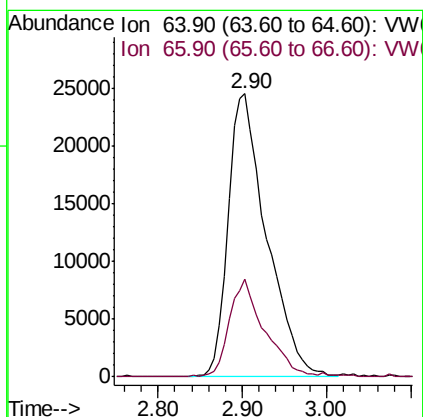
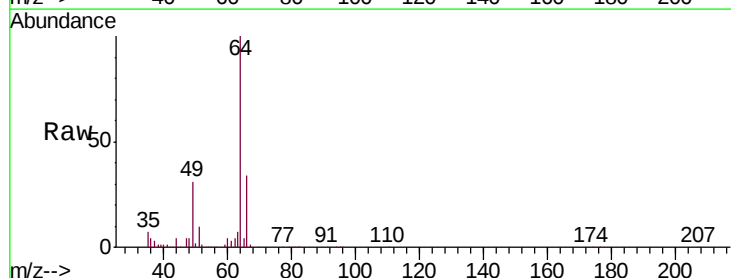
Acq: 31 Aug 2019 20:17

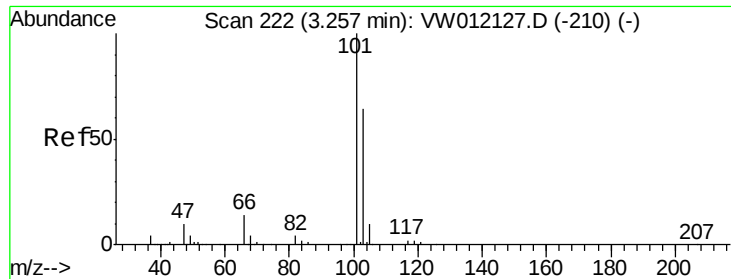
Tgt Ion: 64 Resp: 76198

Ion Ratio Lower Upper

64 100

66 34.3 23.8 35.8



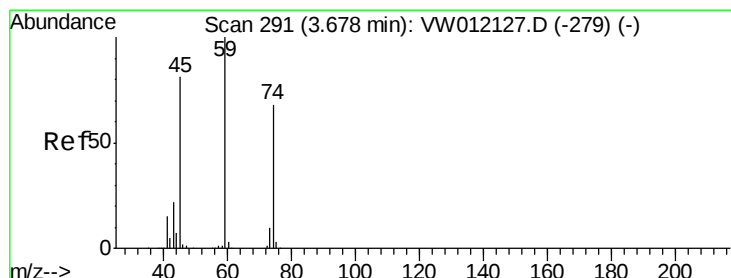
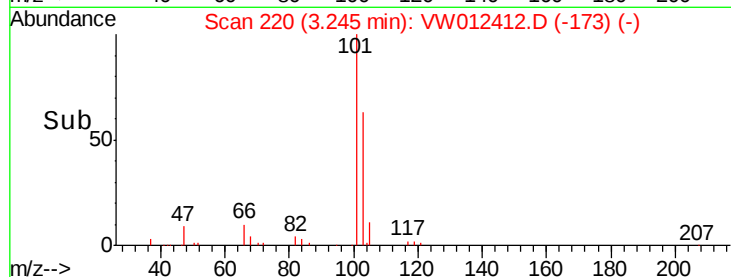
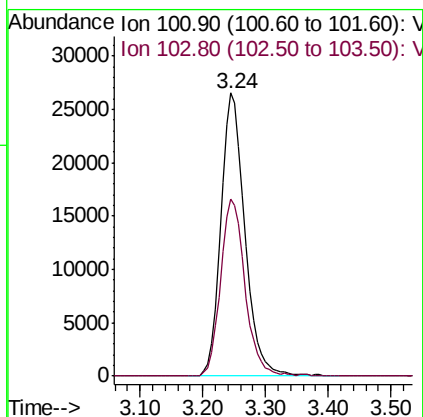
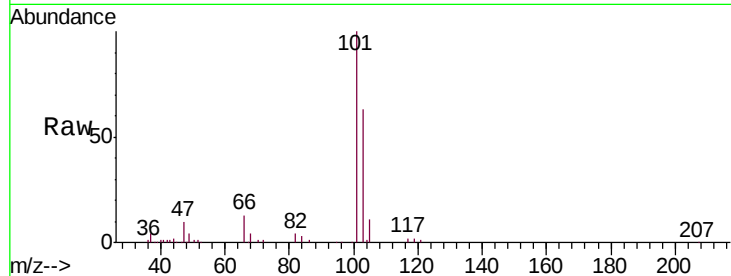


#7

Trichlorofluoromethane
 Concen: 58.513 ug/l
 RT: 3.24 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW012412.D
 Acq: 31 Aug 2019 20:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

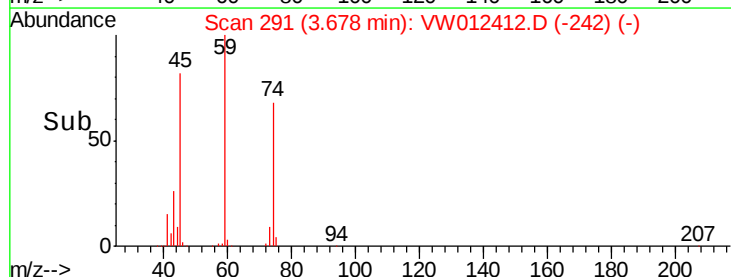
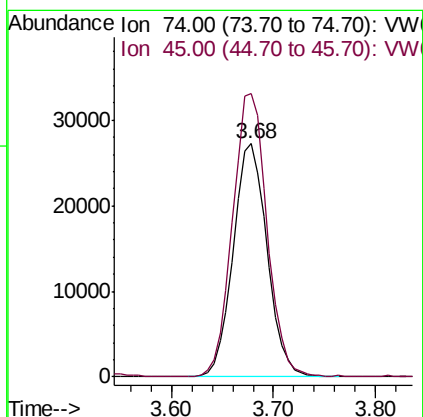
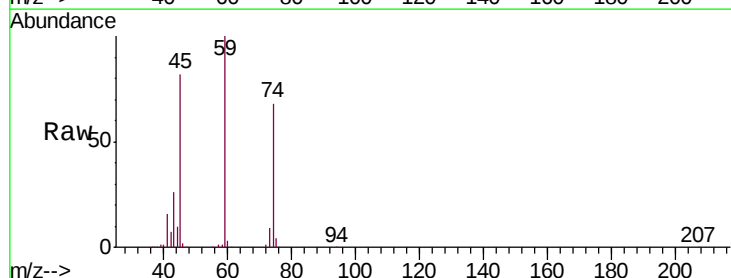
Tgt Ion:101 Resp: 70197
 Ion Ratio Lower Upper
 101 100
 103 62.7 51.2 76.8

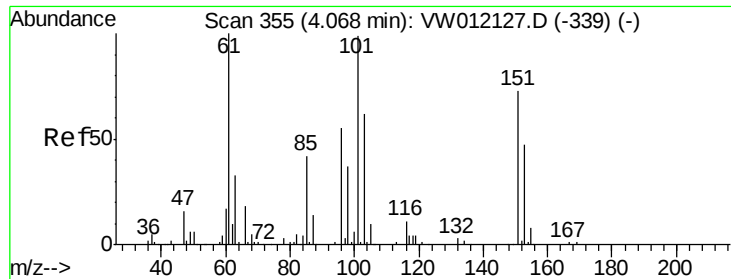


#8

Diethyl Ether
 Concen: 55.179 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012412.D
 Acq: 31 Aug 2019 20:17

Tgt Ion: 74 Resp: 62834
 Ion Ratio Lower Upper
 74 100
 45 123.8 59.2 177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.421 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012412.D

Acq: 31 Aug 2019 20:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

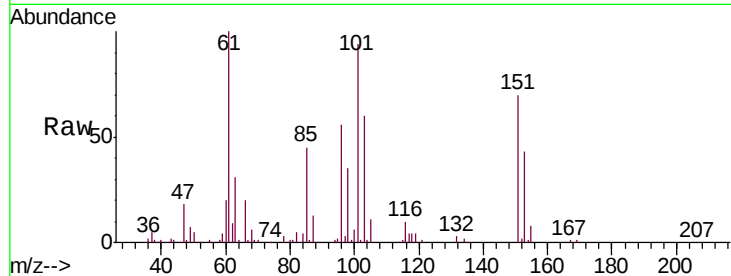
Tgt Ion:101 Resp: 106898

Ion Ratio Lower Upper

101 100

85 46.5 35.8 53.6

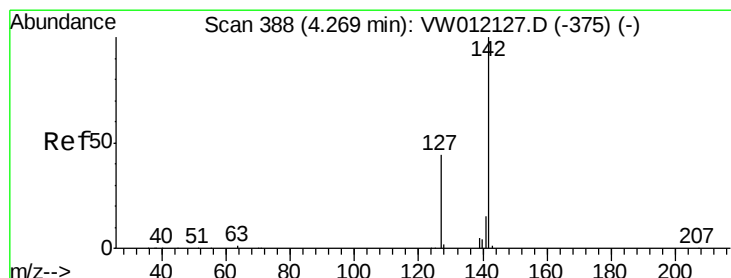
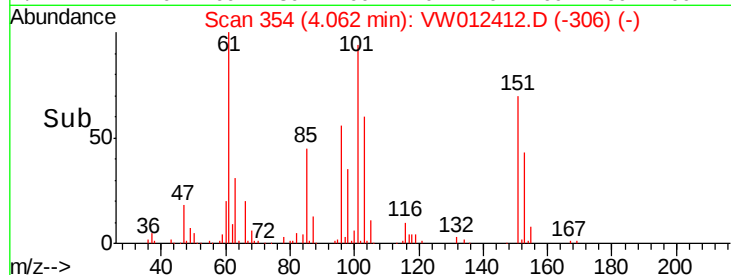
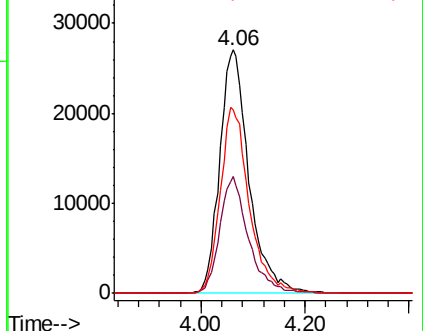
151 75.0 58.6 87.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 56.535 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW012412.D

Acq: 31 Aug 2019 20:17

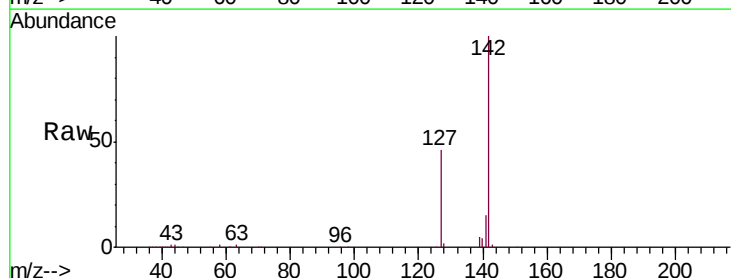
Tgt Ion:142 Resp: 155987

Ion Ratio Lower Upper

142 100

127 46.1 35.5 53.3

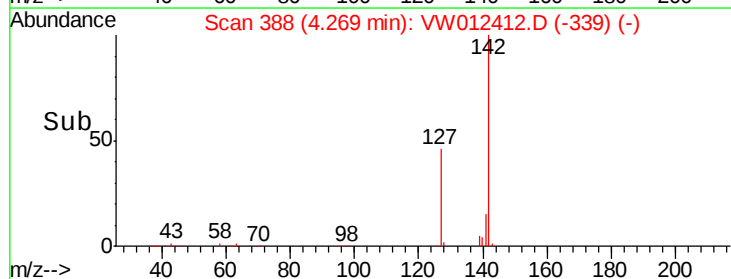
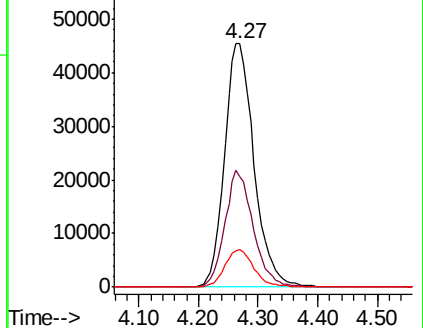
141 15.1 11.8 17.8

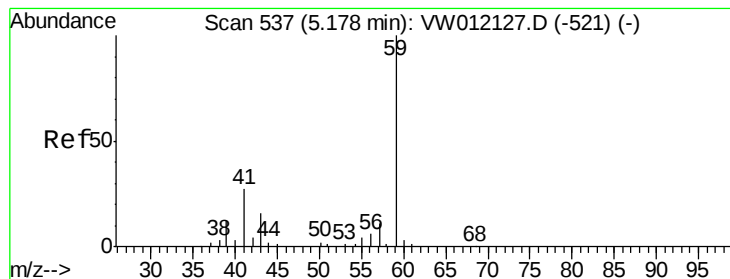


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



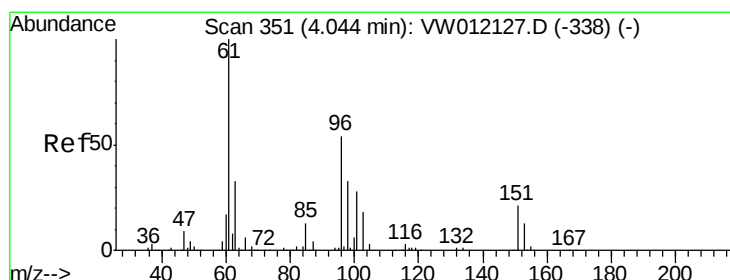
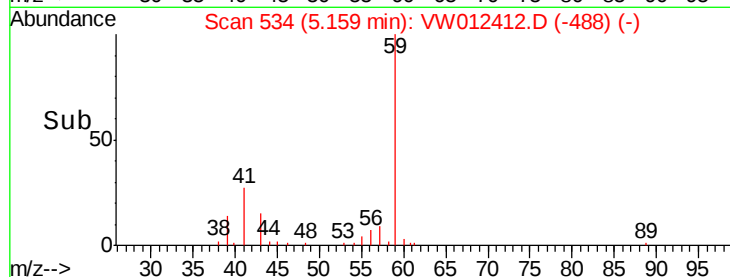
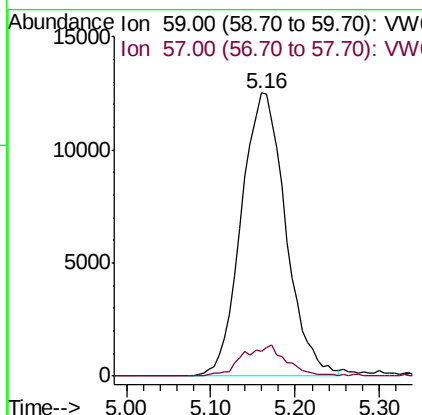
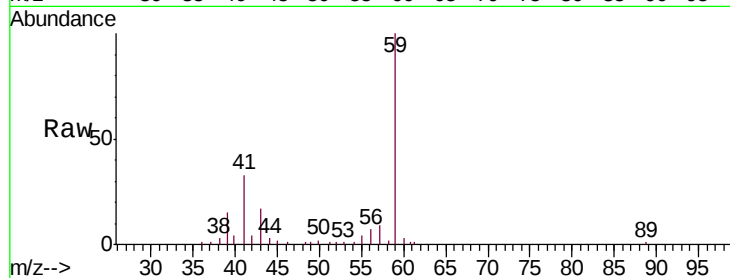


#11

Tert butyl alcohol
 Concen: 307.286 ug/l
 RT: 5.16 min Scan# 534
 Delta R.T. -0.02 min
 Lab File: VW012412.D
 Acq: 31 Aug 2019 20:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

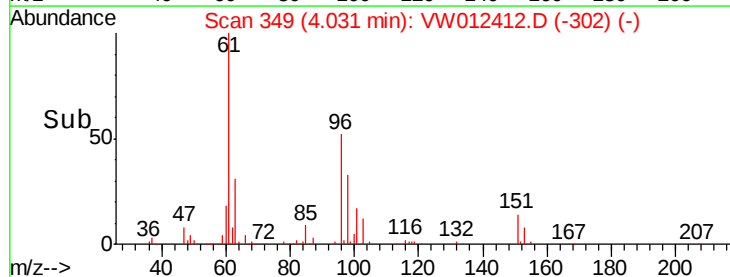
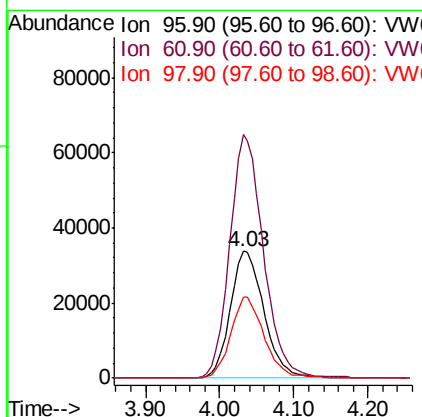
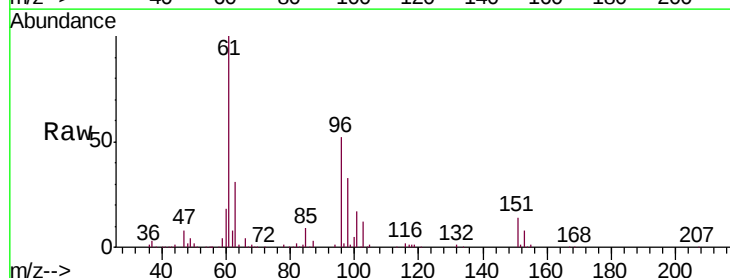
Tgt Ion: 59 Resp: 44982
 Ion Ratio Lower Upper
 59 100
 57 10.9 9.0 13.4

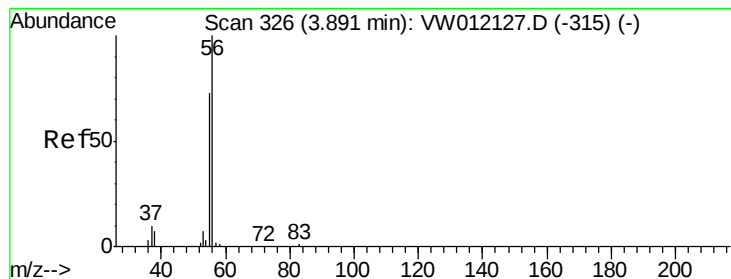


#12

1,1-Dichloroethene
 Concen: 52.116 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW012412.D
 Acq: 31 Aug 2019 20:17

Tgt Ion: 96 Resp: 106967
 Ion Ratio Lower Upper
 96 100
 61 192.0 149.1 223.7
 98 64.2 49.4 74.2





#13

Acrolein

Concen: 250.299 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW012412.D

Acq: 31 Aug 2019 20:17

Instrument :

MSVOA_W

ClientSampleId :

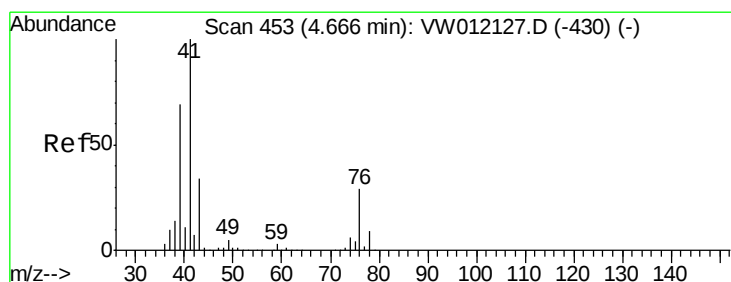
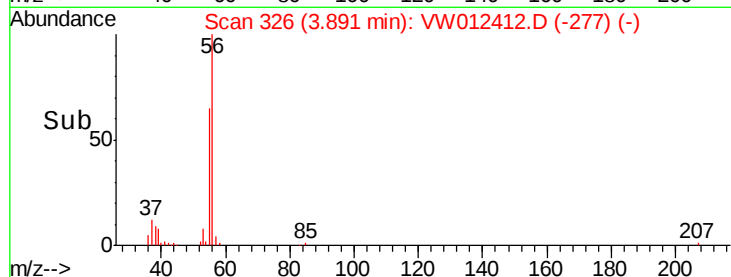
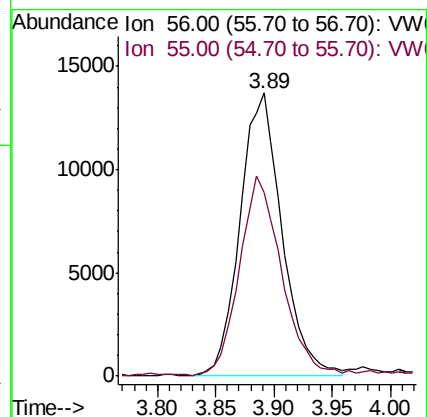
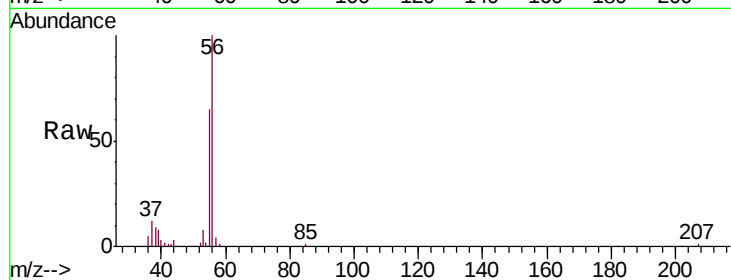
VSTDCCC050EC

Tgt Ion: 56 Resp: 34490

Ion Ratio Lower Upper

56 100

55 71.6 55.8 83.8



#14

Allyl chloride

Concen: 55.544 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012412.D

Acq: 31 Aug 2019 20:17

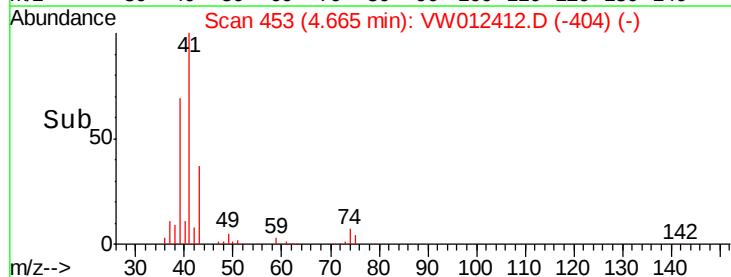
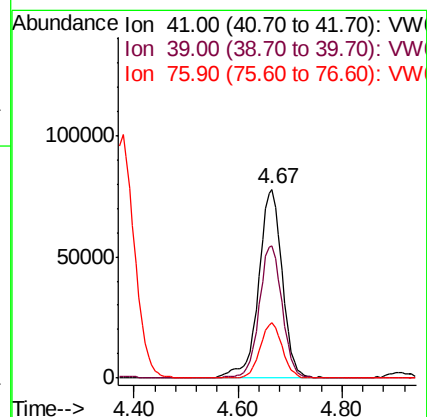
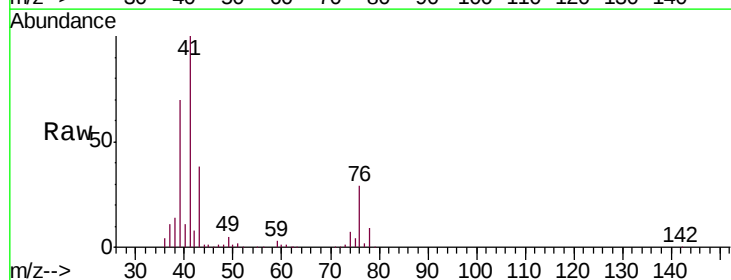
Tgt Ion: 41 Resp: 243720

Ion Ratio Lower Upper

41 100

39 67.7 53.4 80.2

76 27.3 22.1 33.1





#15

Acrylonitrile

Concen: 291.446 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012412.D

Acq: 31 Aug 2019 20:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

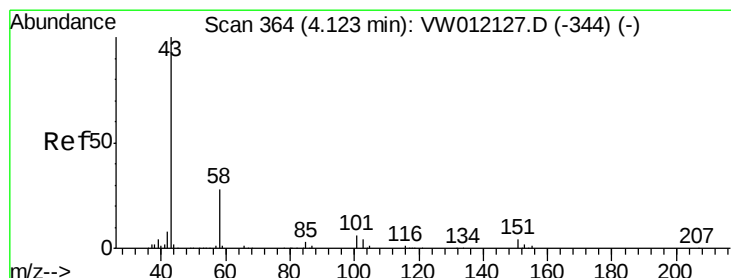
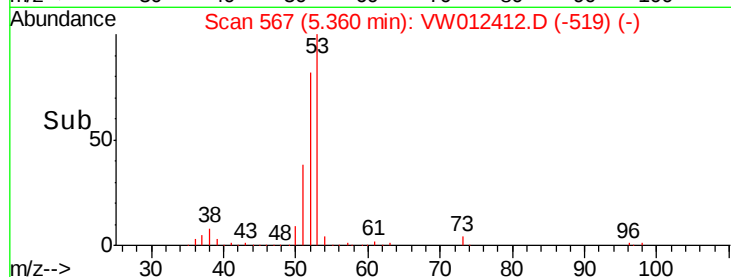
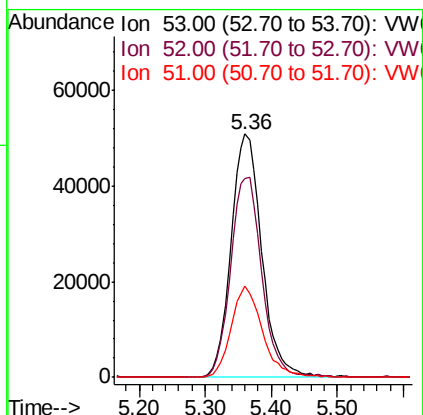
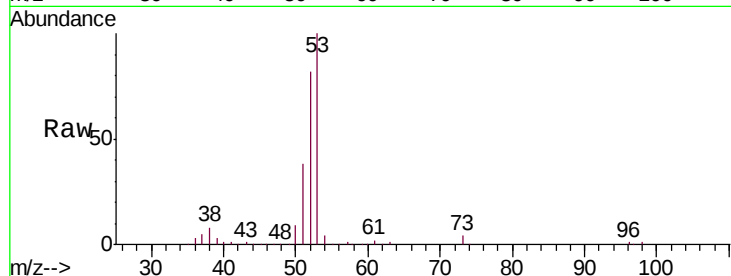
Tgt Ion: 53 Resp: 164498

Ion Ratio Lower Upper

53 100

52 83.3 66.7 100.1

51 38.2 30.1 45.1



#16

Acetone

Concen: 270.612 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW012412.D

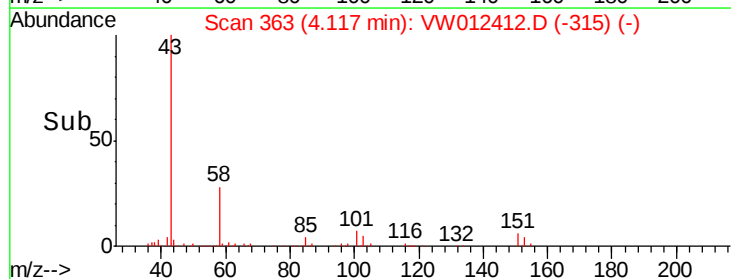
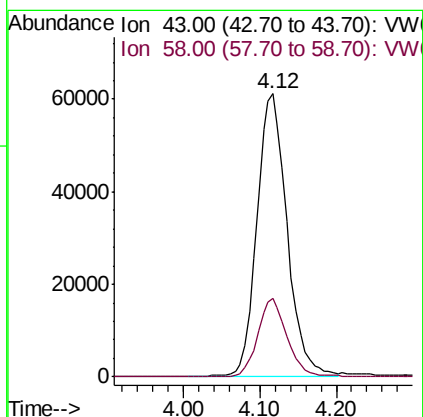
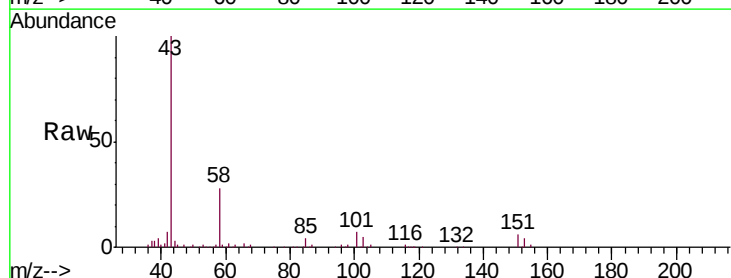
Acq: 31 Aug 2019 20:17

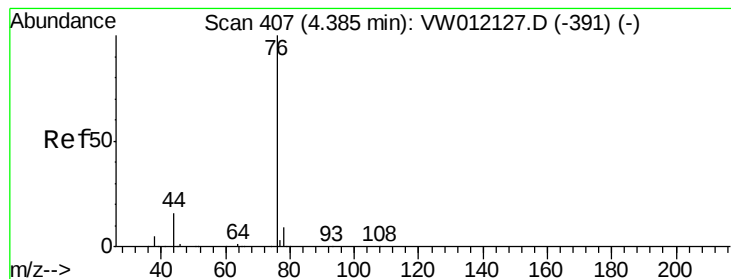
Tgt Ion: 43 Resp: 168264

Ion Ratio Lower Upper

43 100

58 27.7 22.4 33.6





#17

Carbon Disulfide

Concen: 49.924 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW012412.D

Acq: 31 Aug 2019 20:17

Instrument :

MSVOA_W

ClientSampleId :

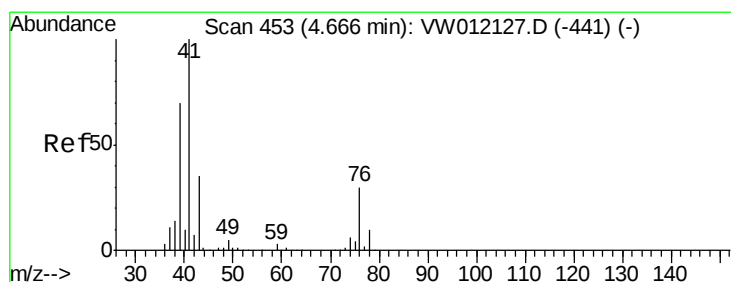
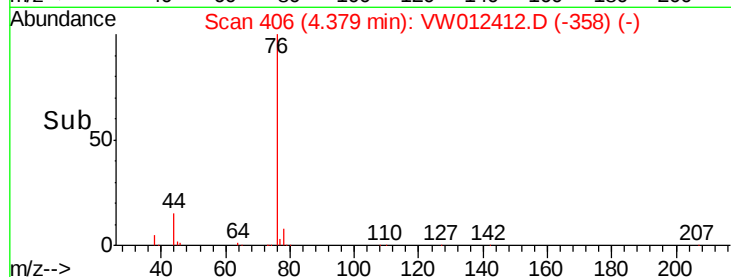
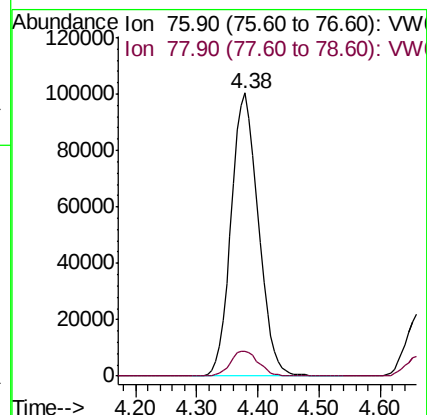
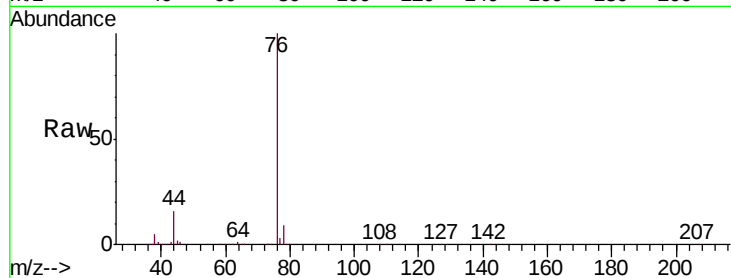
VSTDCCC050EC

Tgt Ion: 76 Resp: 309678

Ion Ratio Lower Upper

76 100

78 8.6 7.3 10.9



#18

Methyl Acetate

Concen: 57.989 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012412.D

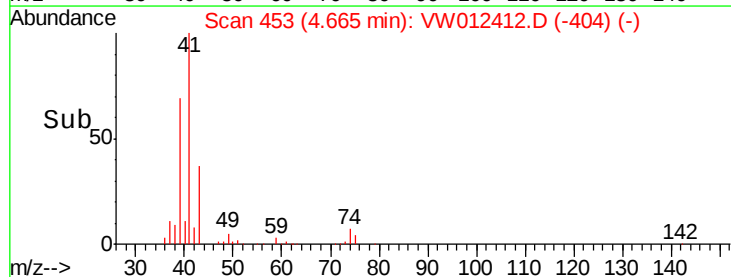
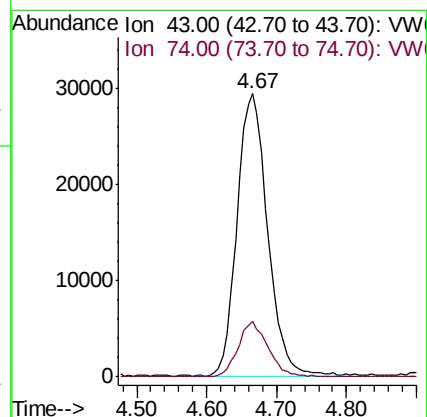
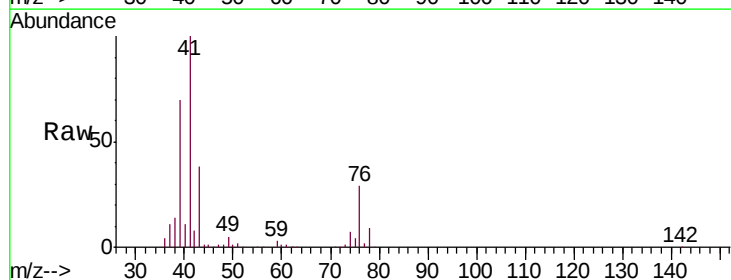
Acq: 31 Aug 2019 20:17

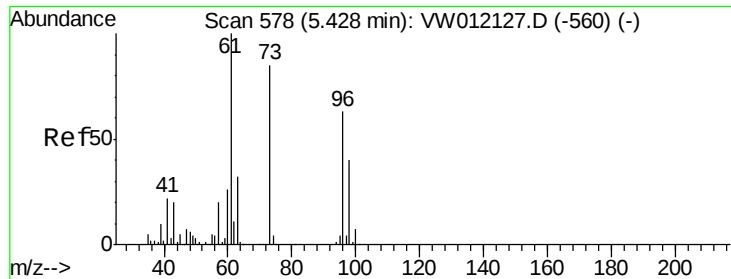
Tgt Ion: 43 Resp: 89306

Ion Ratio Lower Upper

43 100

74 19.4 15.7 23.5

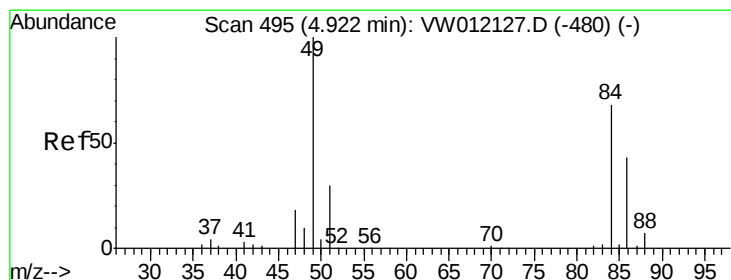
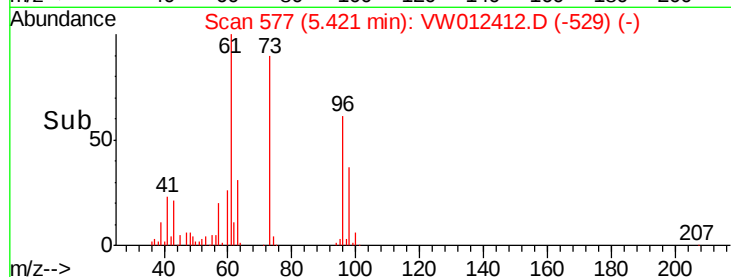
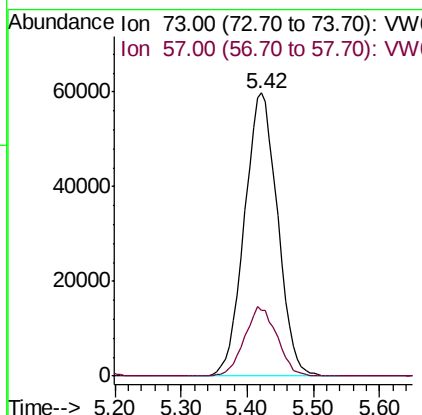
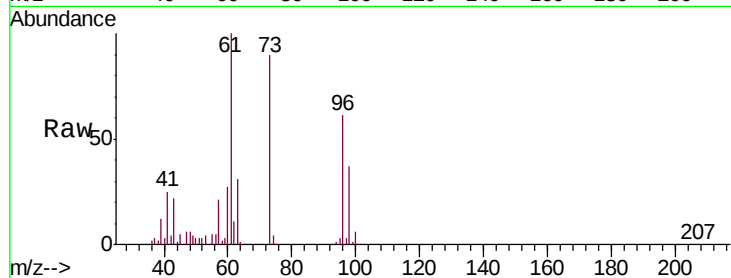




#19
Methyl tert-butyl Ether
Concen: 62.697 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012412.D
Acq: 31 Aug 2019 20:17

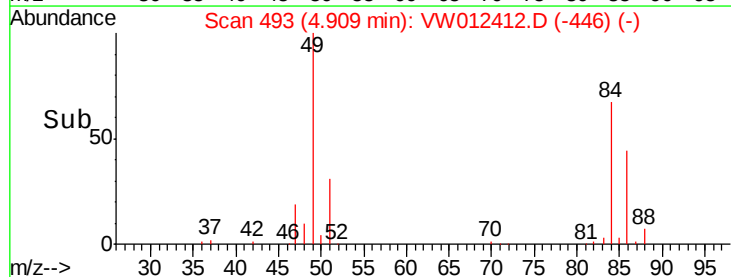
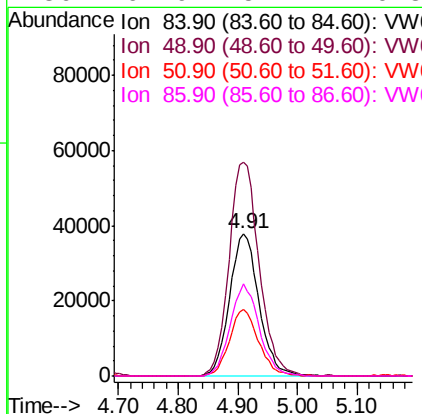
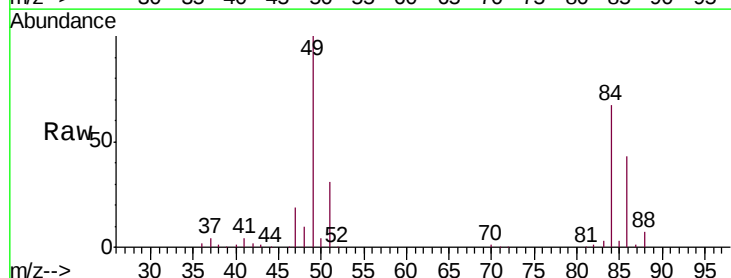
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

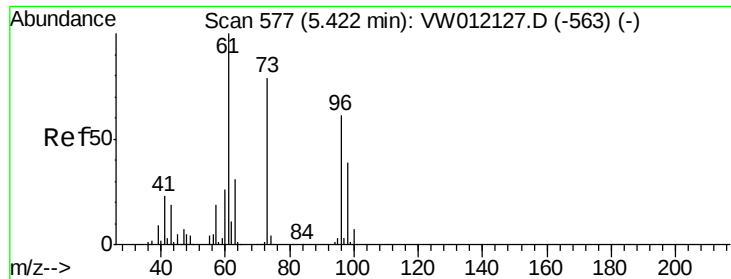
Tgt Ion: 73 Resp: 208100
Ion Ratio Lower Upper
73 100
57 23.4 18.9 28.3



#20
Methylene Chloride
Concen: 55.264 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012412.D
Acq: 31 Aug 2019 20:17

Tgt Ion: 84 Resp: 129905
Ion Ratio Lower Upper
84 100
49 149.7 117.8 176.8
51 46.9 35.6 53.4
86 64.9 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 54.653 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW012412.D

Acq: 31 Aug 2019 20:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

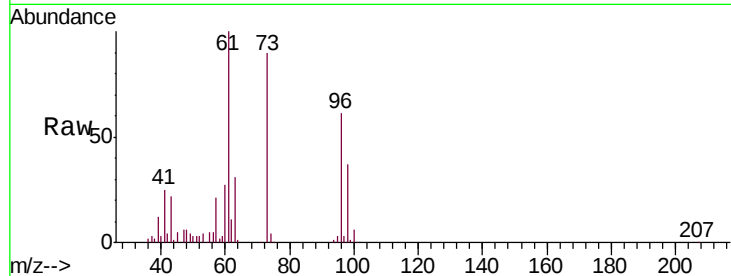
Tgt Ion: 96 Resp: 120290

Ion Ratio Lower Upper

96 100

61 164.7 131.4 197.0

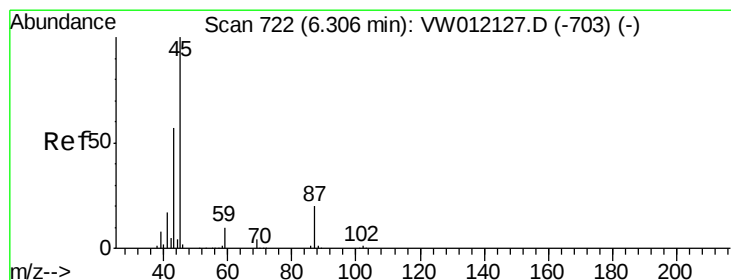
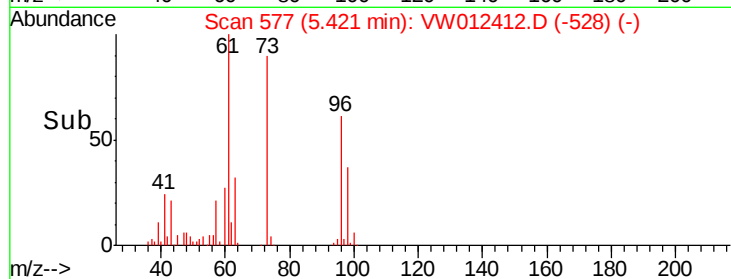
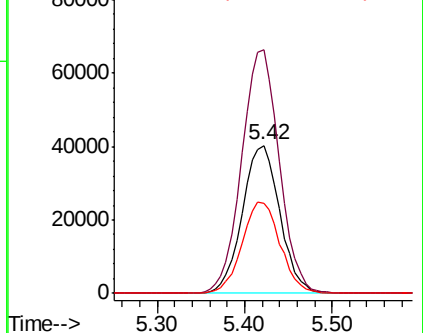
98 60.7 51.4 77.0



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: 59.650 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW012412.D

Acq: 31 Aug 2019 20:17

Tgt Ion: 45 Resp: 485149

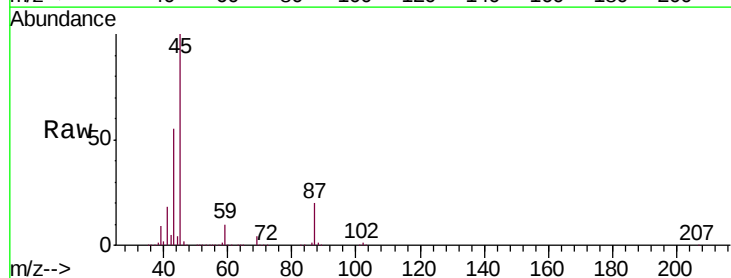
Ion Ratio Lower Upper

45 100

43 54.9 45.5 68.3

87 20.1 16.1 24.1

59 10.3 8.2 12.2

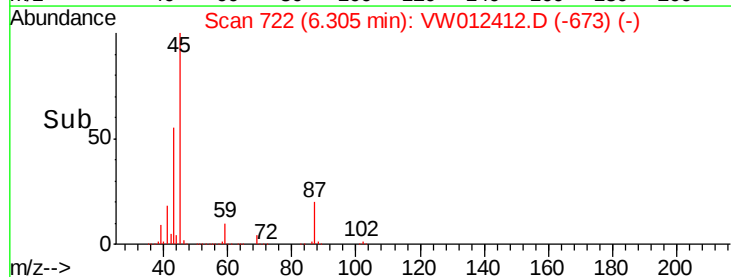
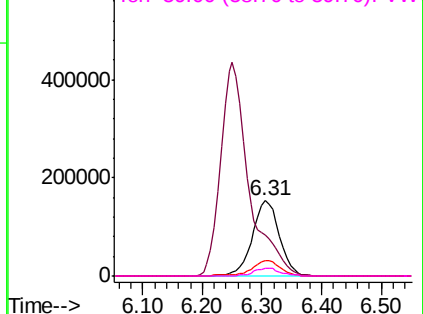


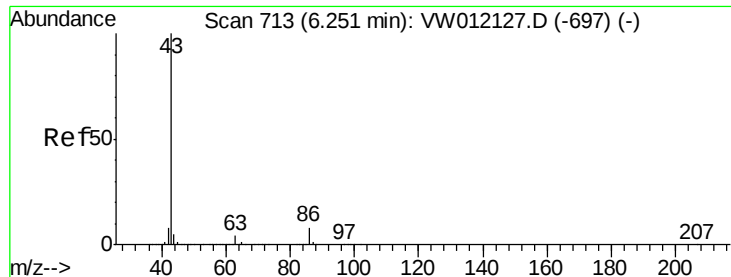
Abundance Ion 45.00 (44.70 to 45.70): VW

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: 286.359 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012412.D

Acq: 31 Aug 2019 20:17

Instrument :

MSVOA_W

ClientSampleId :

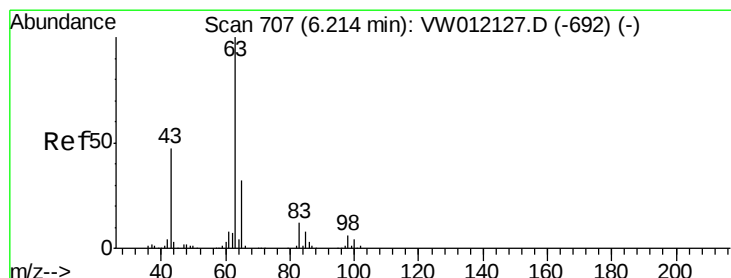
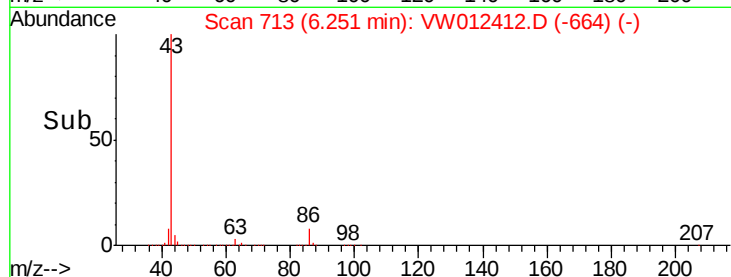
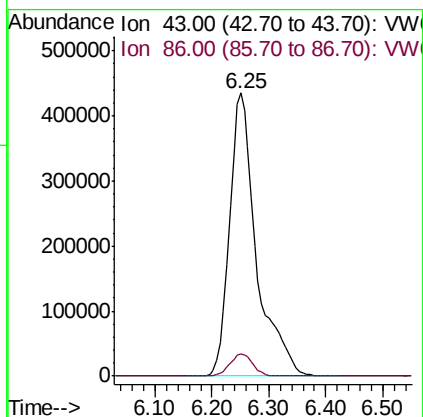
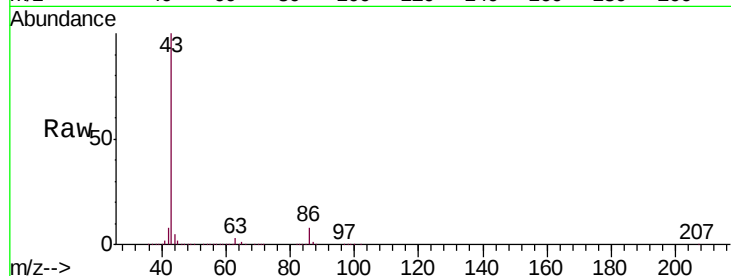
VSTDCCC050EC

Tgt Ion: 43 Resp: 1433332

Ion Ratio Lower Upper

43 100

86 7.9 6.5 9.7



#24

1,1-Dichloroethane

Concen: 56.915 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012412.D

Acq: 31 Aug 2019 20:17

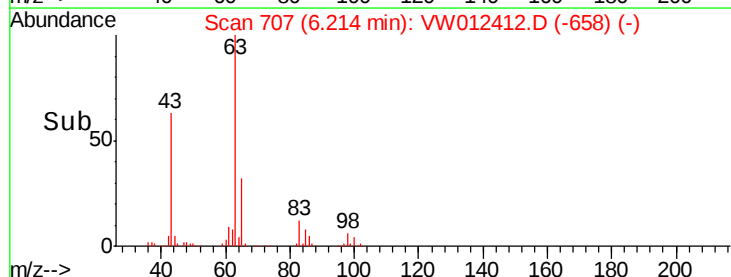
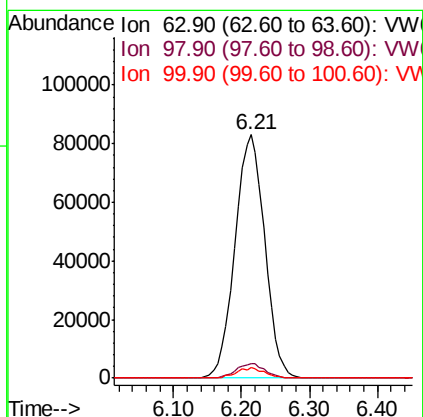
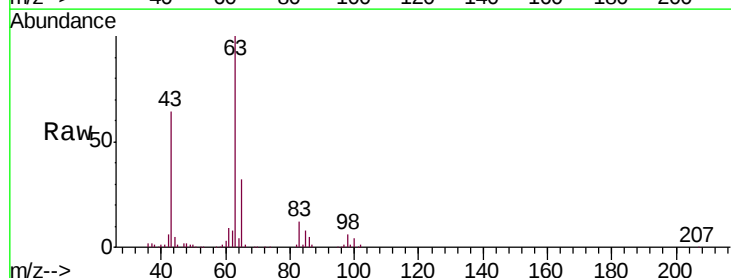
Tgt Ion: 63 Resp: 252048

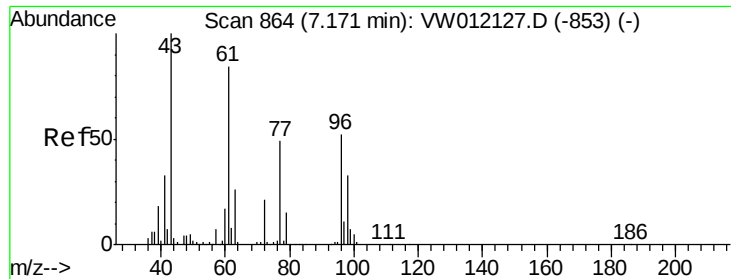
Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.2

100 4.1 2.0 6.0





#25

2-Butanone

Concen: 279.056 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW012412.D

Acq: 31 Aug 2019 20:17

Instrument :

MSVOA_W

ClientSampleId :

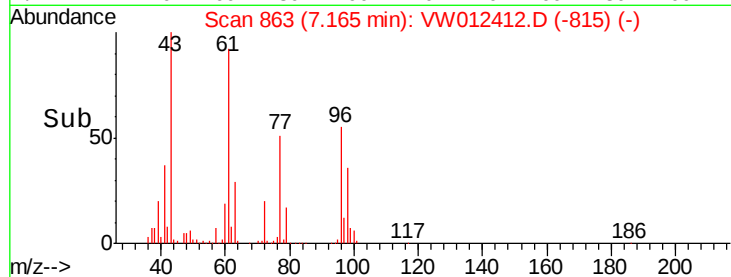
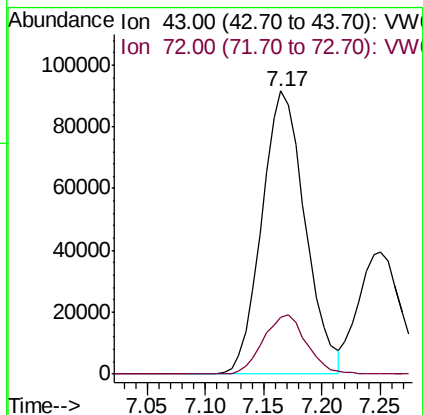
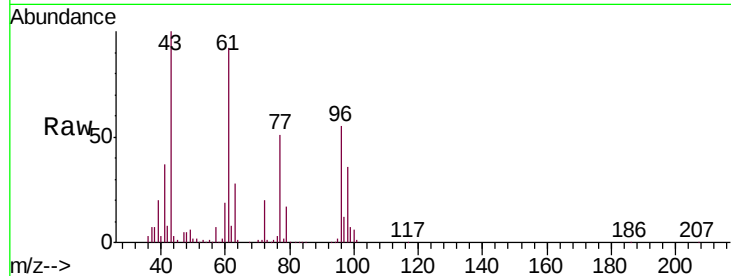
VSTDCCC050EC

Tgt Ion: 43 Resp: 235786

Ion Ratio Lower Upper

43 100

72 20.3 16.6 24.8



#26

2,2-Dichloropropane

Concen: 53.628 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012412.D

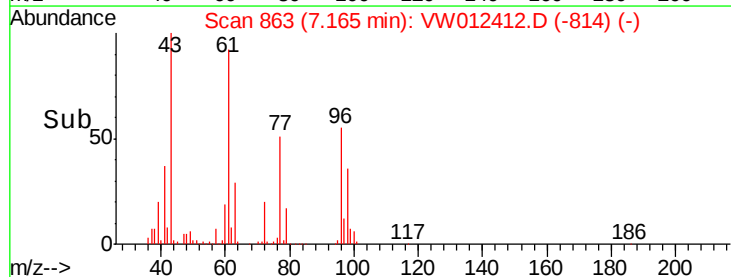
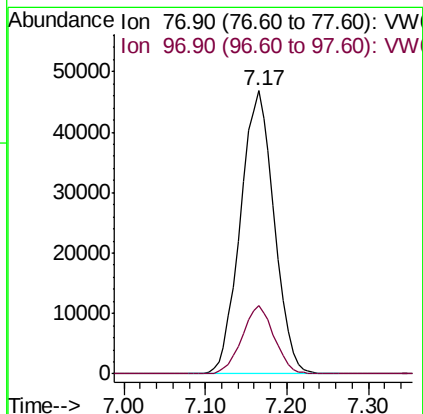
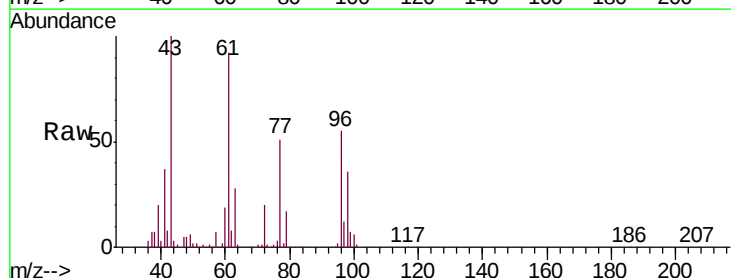
Acq: 31 Aug 2019 20:17

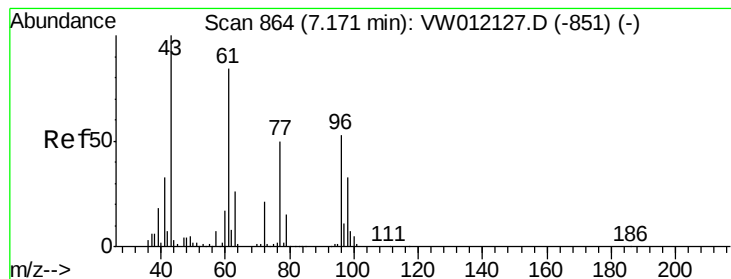
Tgt Ion: 77 Resp: 134421

Ion Ratio Lower Upper

77 100

97 22.9 11.1 33.1



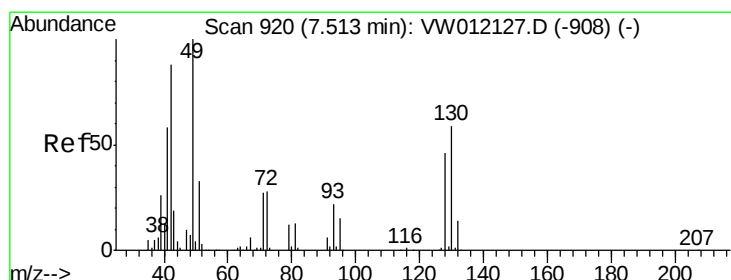
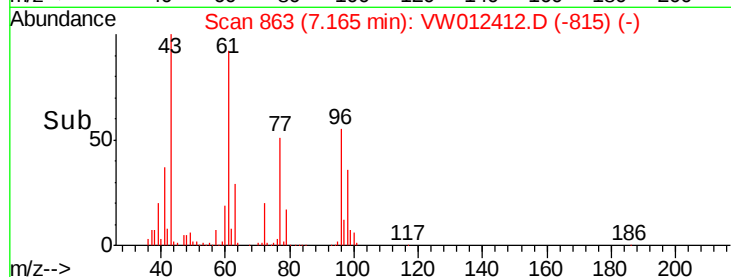
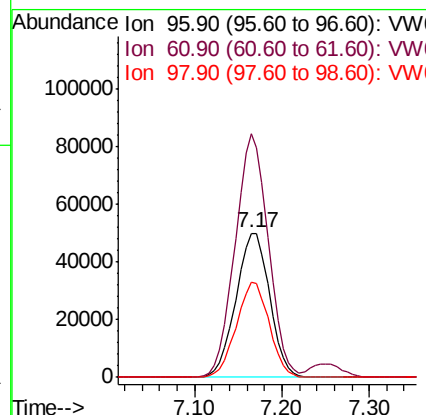
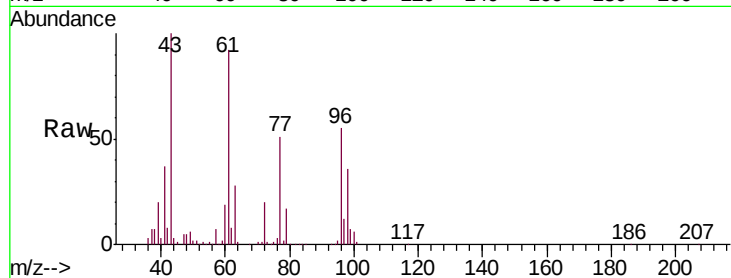


#27

cis-1,2-Dichloroethene
Concen: 57.044 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012412.D
Acq: 31 Aug 2019 20:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

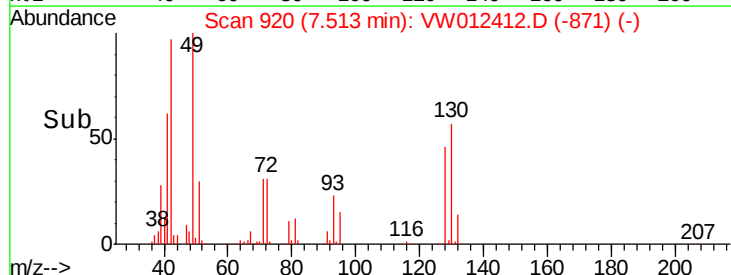
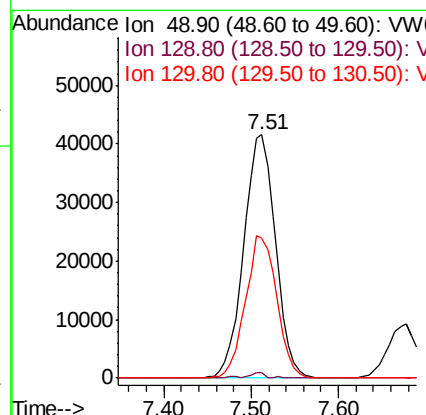
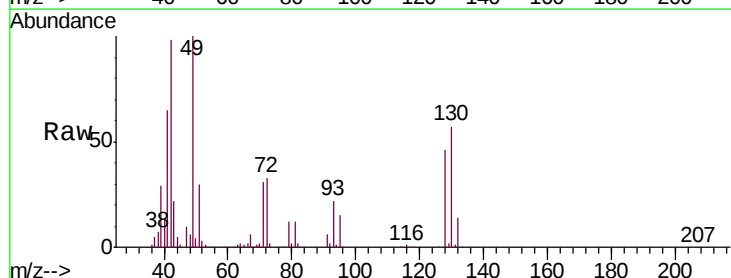
Tgt Ion: 96 Resp: 134140
Ion Ratio Lower Upper
96 100
61 166.4 0.0 326.6
98 64.2 0.0 127.4

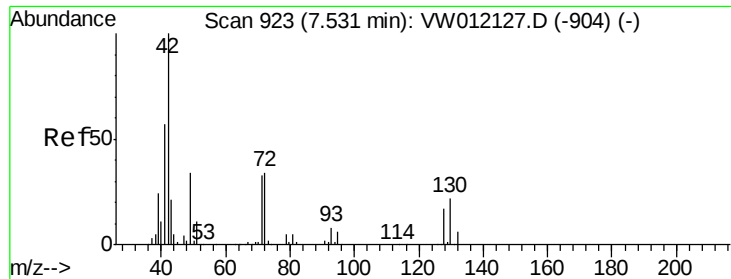


#28

Bromochloromethane
Concen: 54.288 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW012412.D
Acq: 31 Aug 2019 20:17

Tgt Ion: 49 Resp: 104783
Ion Ratio Lower Upper
49 100
129 1.1 0.0 1.4
130 57.6 45.5 68.3

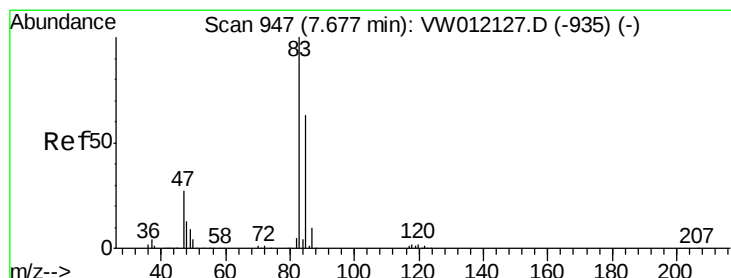
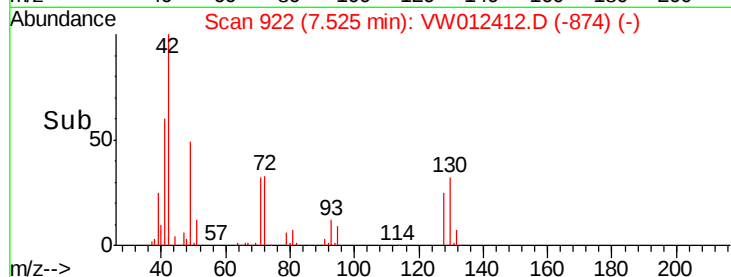
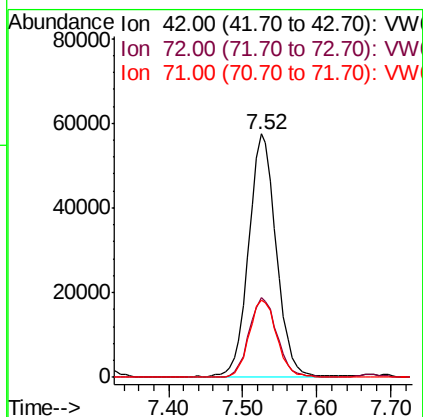
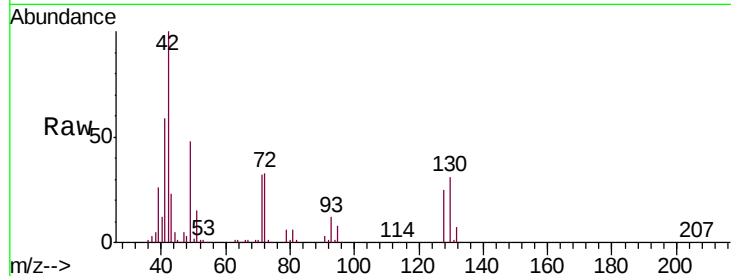




#29
Tetrahydrofuran
Concen: 293.371 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW012412.D
Acq: 31 Aug 2019 20:17

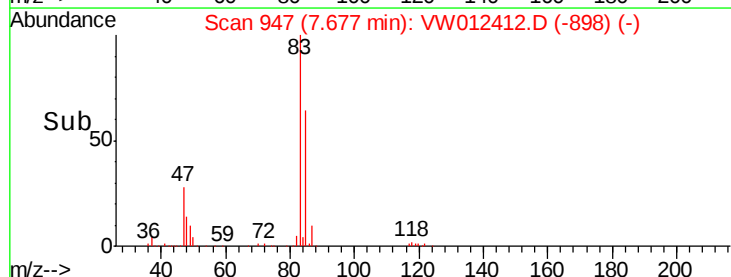
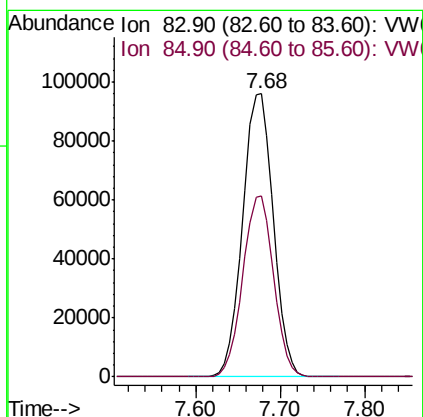
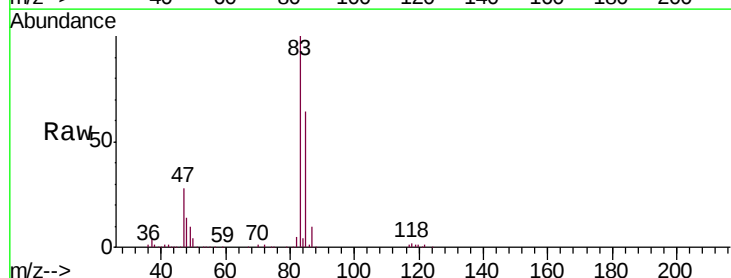
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

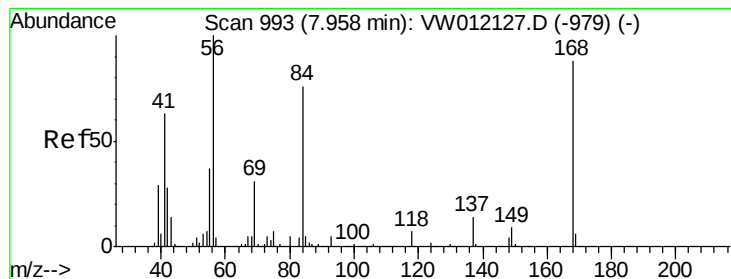
Tgt Ion: 42 Resp: 148718
Ion Ratio Lower Upper
42 100
72 33.3 27.3 40.9
71 32.1 25.5 38.3



#30
Chloroform
Concen: 58.287 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW012412.D
Acq: 31 Aug 2019 20:17

Tgt Ion: 83 Resp: 236153
Ion Ratio Lower Upper
83 100
85 64.0 50.6 76.0





#31

Cyclohexane

Concen: 47.561 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012412.D

Acq: 31 Aug 2019 20:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

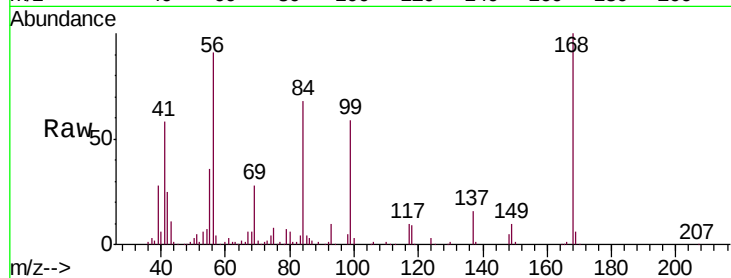
Tgt Ion: 56 Resp: 208381

Ion Ratio Lower Upper

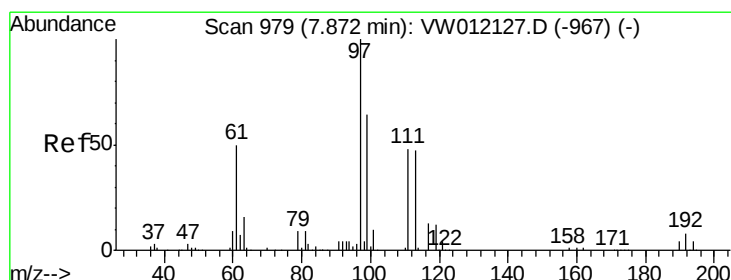
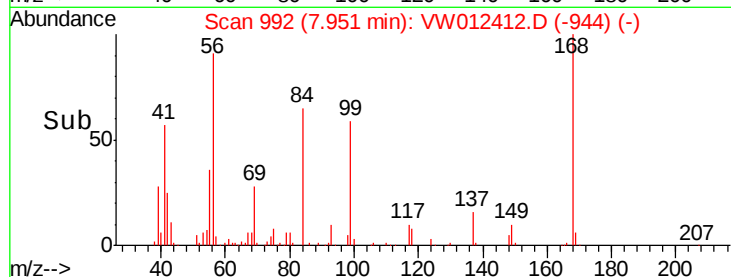
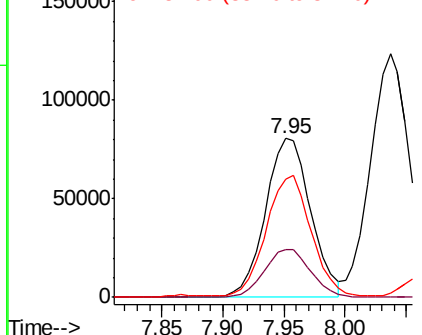
56 100

69 30.3 24.9 37.3

84 73.0 60.6 90.8



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



#32

1,1,1-Trichloroethane

Concen: 57.421 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW012412.D

Acq: 31 Aug 2019 20:17

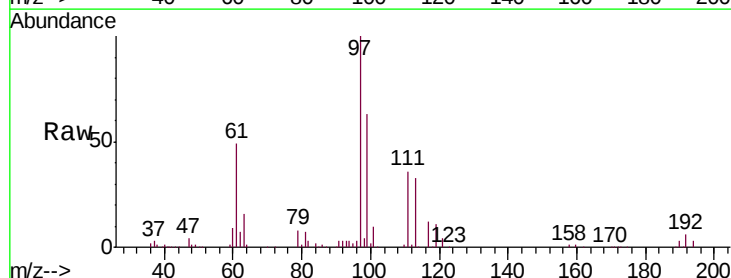
Tgt Ion: 97 Resp: 184042

Ion Ratio Lower Upper

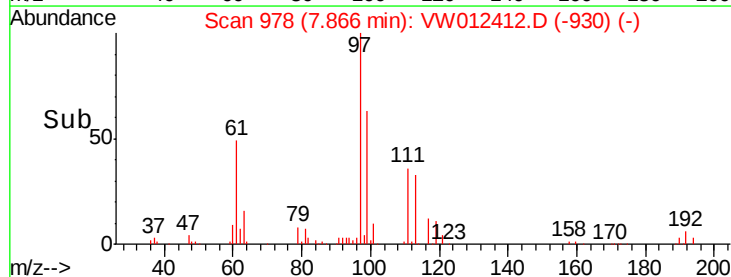
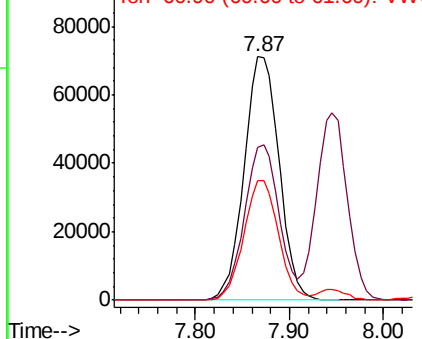
97 100

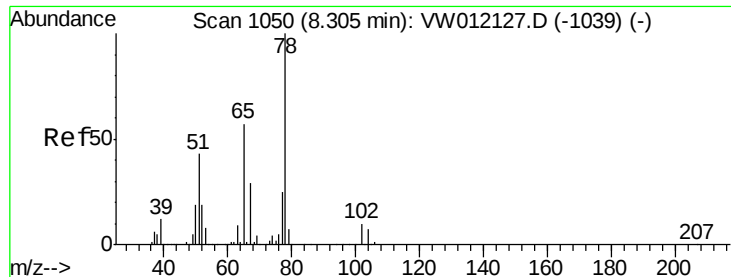
99 63.6 51.4 77.0

61 48.8 39.5 59.3



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





#33

1,2-Dichloroethane-d4

Concen: 54.446 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012412.D

Acq: 31 Aug 2019 20:17

Instrument :

MSVOA_W

ClientSampleId :

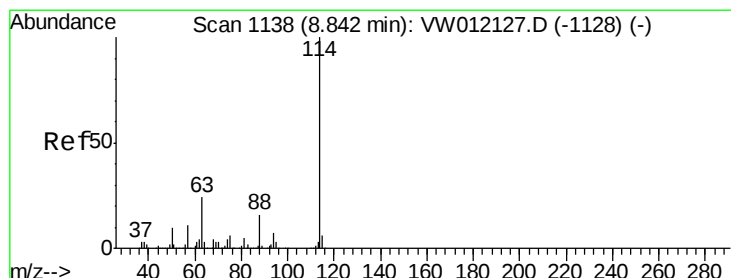
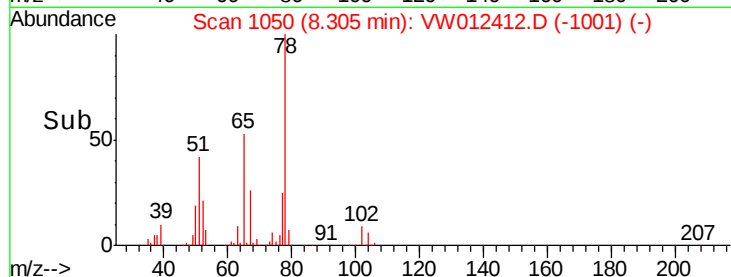
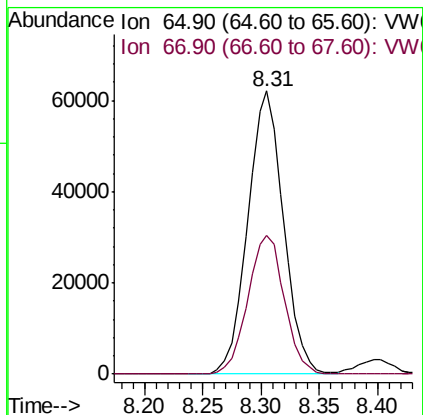
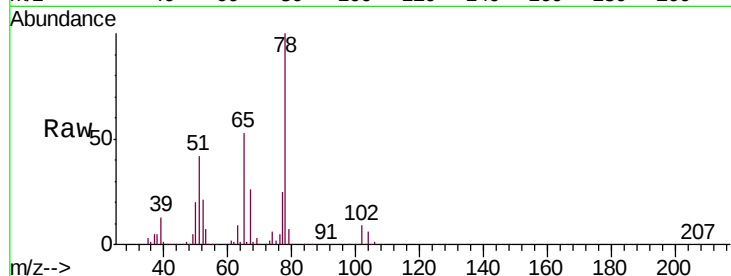
VSTDCCC050EC

Tgt Ion: 65 Resp: 132437

Ion Ratio Lower Upper

65 100

67 50.4 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: VW012412.D

Acq: 31 Aug 2019 20:17

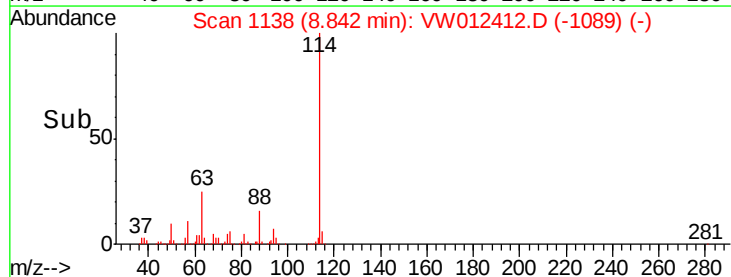
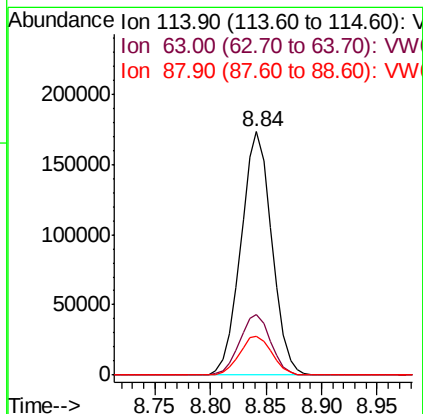
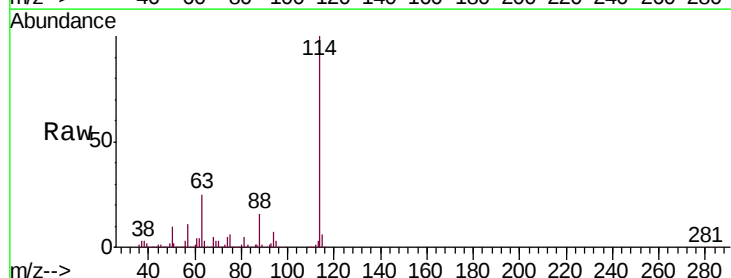
Tgt Ion: 114 Resp: 333801

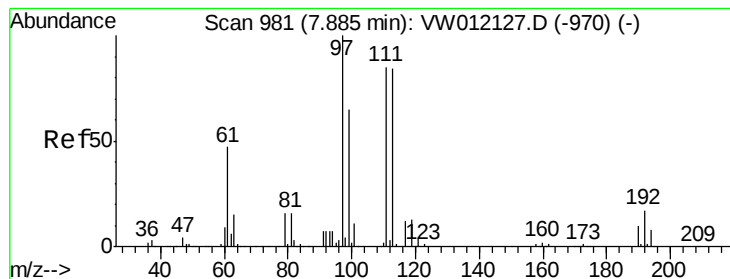
Ion Ratio Lower Upper

114 100

63 25.0 0.0 48.6

88 16.1 0.0 32.2





#35

Dibromofluoromethane

Concen: 51.641 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012412.D

Acq: 31 Aug 2019 20:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

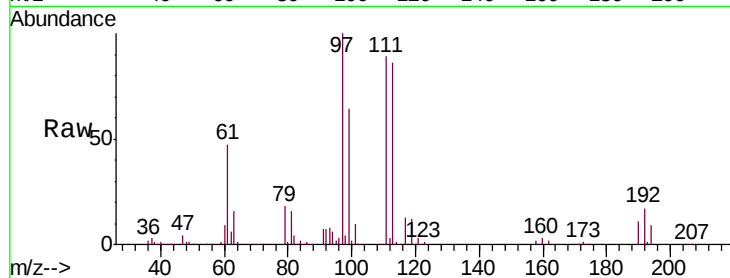
Tgt Ion:113 Resp: 102894

Ion Ratio Lower Upper

113 100

111 102.9 82.7 124.1

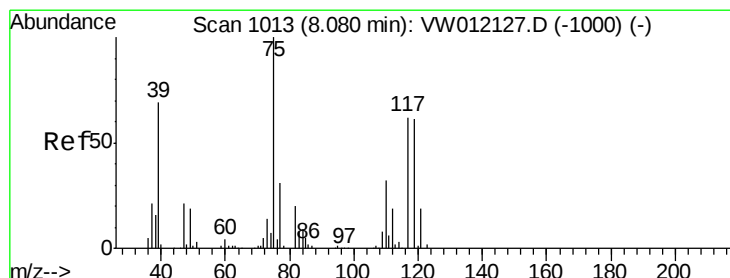
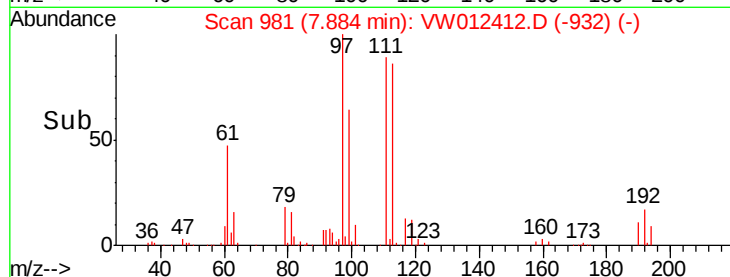
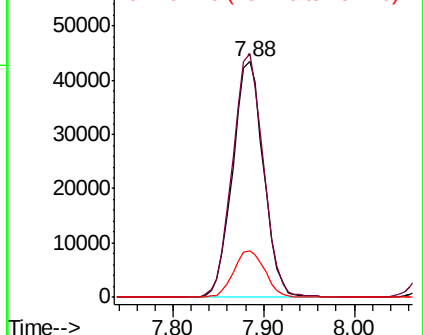
192 20.1 16.2 24.2



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: 53.039 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW012412.D

Acq: 31 Aug 2019 20:17

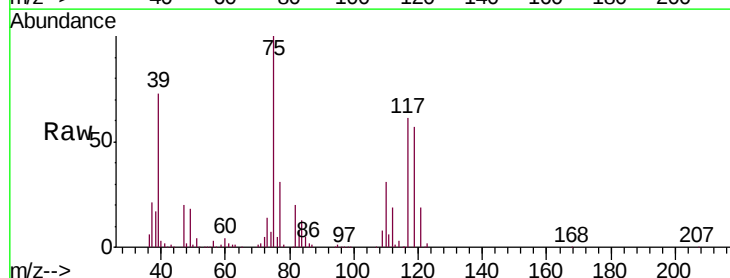
Tgt Ion: 75 Resp: 182955

Ion Ratio Lower Upper

75 100

110 30.8 15.6 46.8

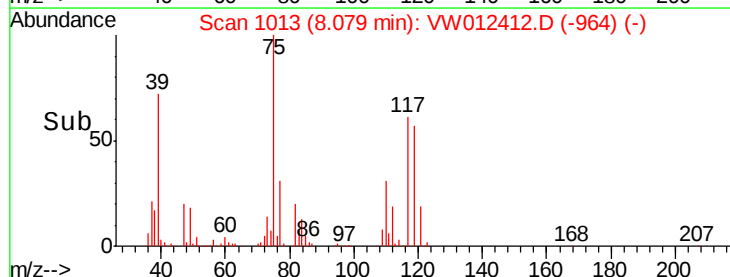
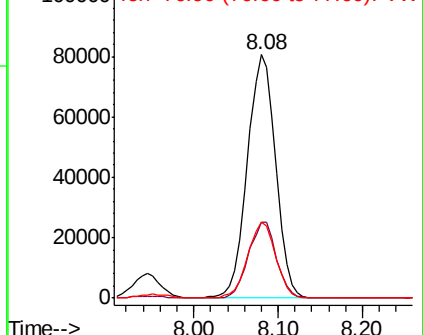
77 31.0 24.6 36.8

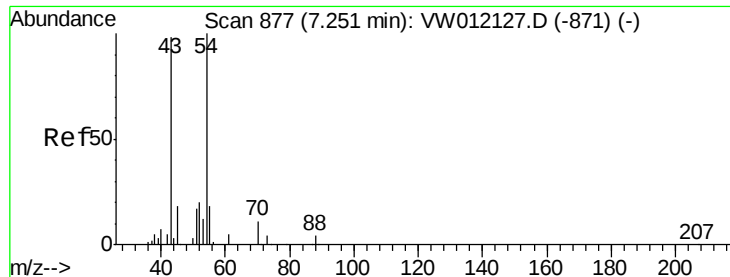


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

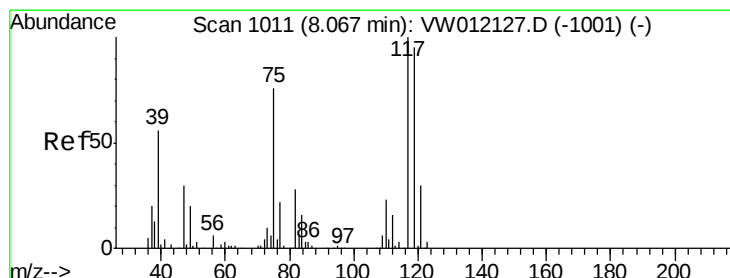
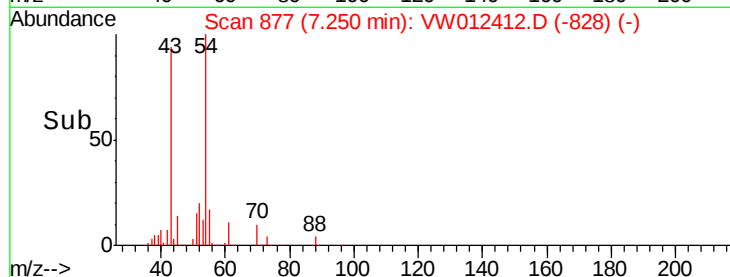
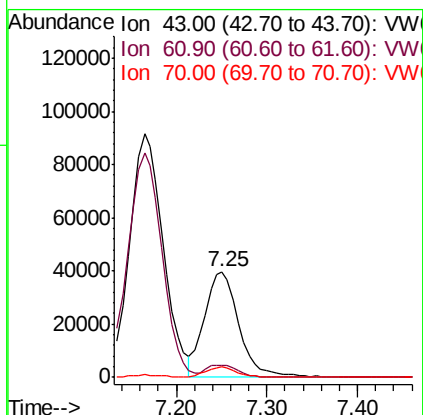
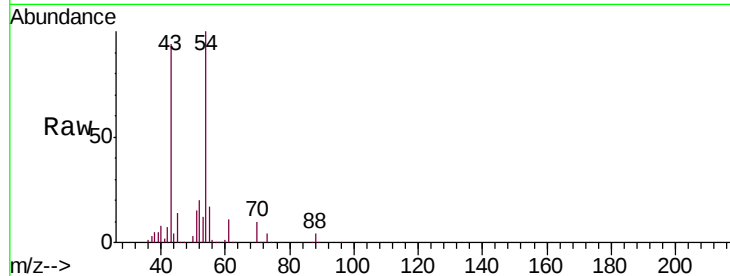




#37
Ethyl Acetate
Concen: 55.123 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012412.D
Acq: 31 Aug 2019 20:17

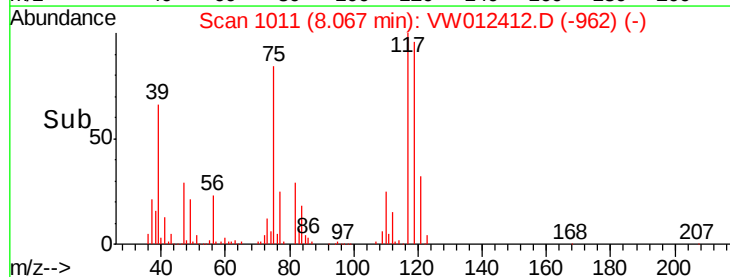
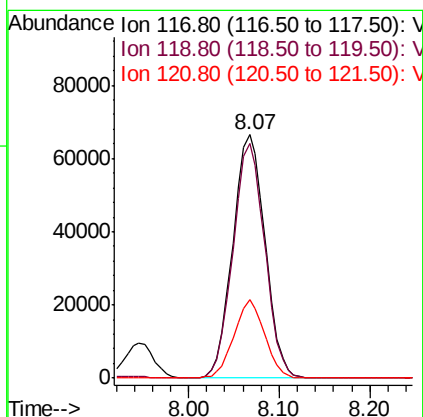
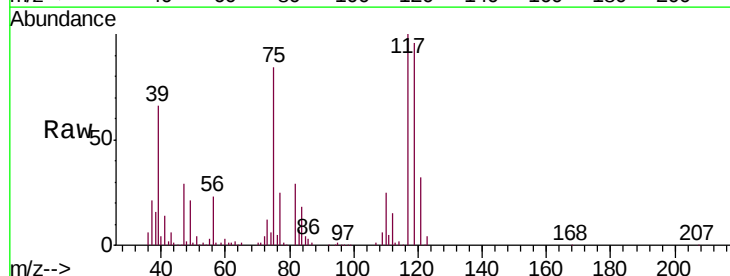
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

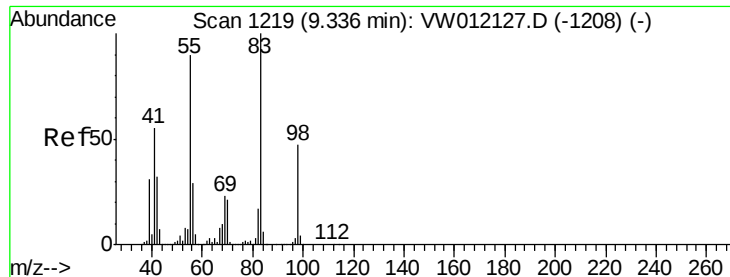
Tgt Ion: 43 Resp: 104196
Ion Ratio Lower Upper
43 100
61 11.7 9.2 13.8
70 9.1 6.9 10.3



#38
Carbon Tetrachloride
Concen: 55.015 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012412.D
Acq: 31 Aug 2019 20:17

Tgt Ion: 117 Resp: 164253
Ion Ratio Lower Upper
117 100
119 96.3 76.2 114.2
121 32.4 23.8 35.8

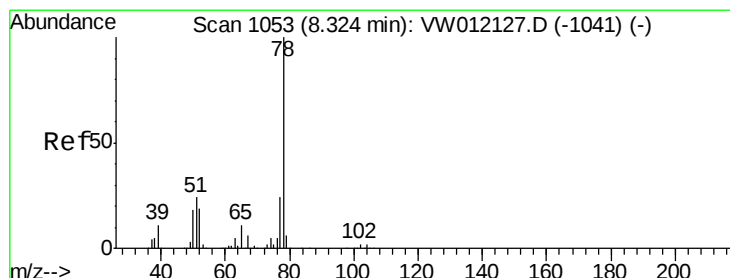
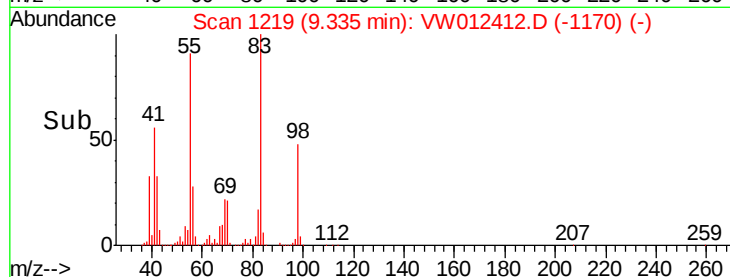
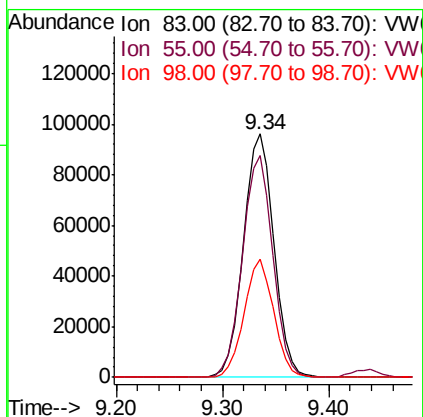
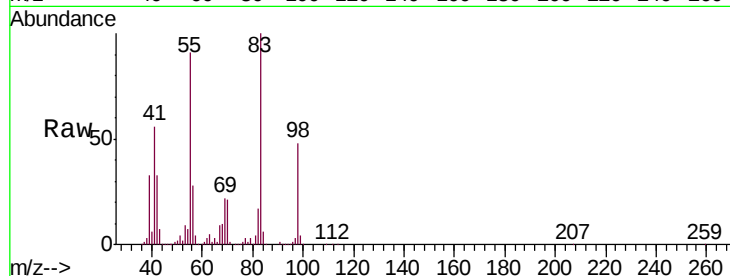




#39
Methylcyclohexane
Concen: 50.043 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012412.D
Acq: 31 Aug 2019 20:17

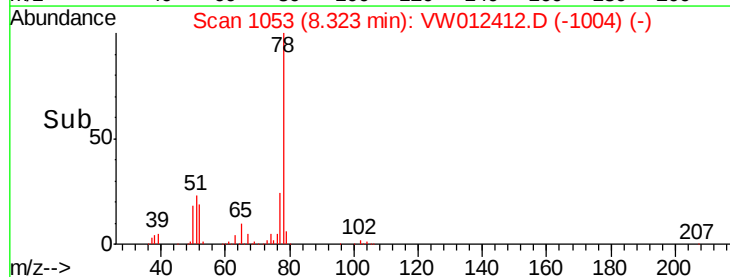
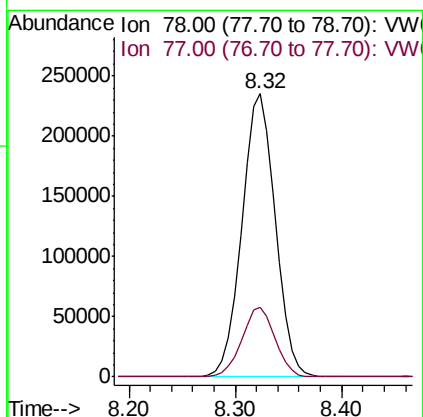
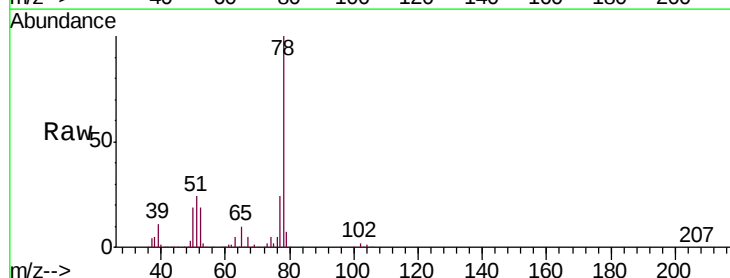
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 193927
Ion Ratio Lower Upper
83 100
55 91.3 71.8 107.8
98 48.4 37.8 56.8



#40
Benzene
Concen: 54.882 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012412.D
Acq: 31 Aug 2019 20:17

Tgt Ion: 78 Resp: 516931
Ion Ratio Lower Upper
78 100
77 24.4 19.5 29.3





#41

Methacrylonitrile

Concen: 52.645 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW012412.D

Acq: 31 Aug 2019 20:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 41 Resp: 58487

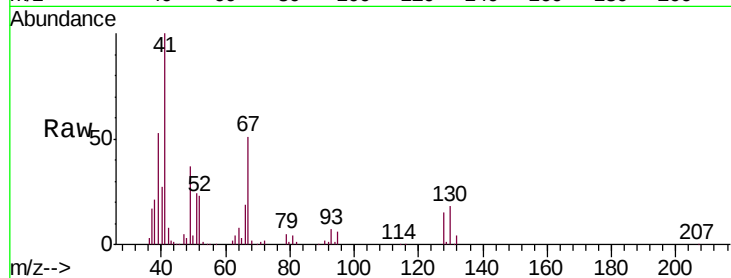
Ion Ratio Lower Upper

41 100

39 61.0 45.8 68.8

67 62.1 46.2 69.4

52 29.0 21.0 31.6



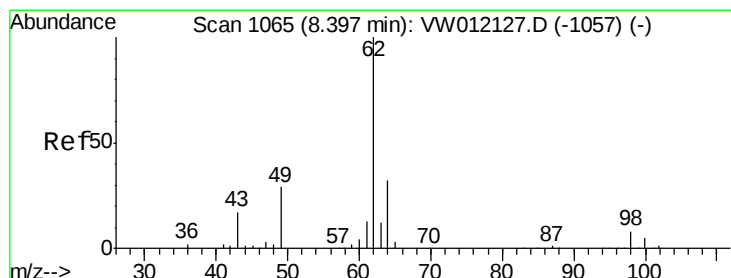
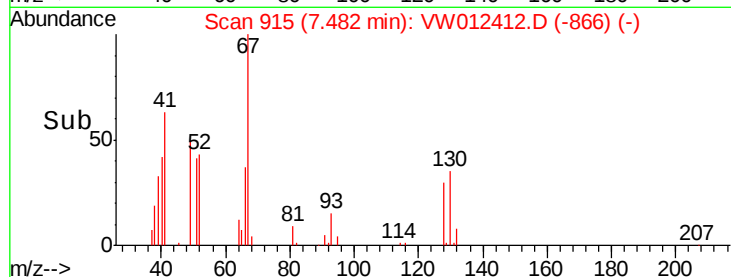
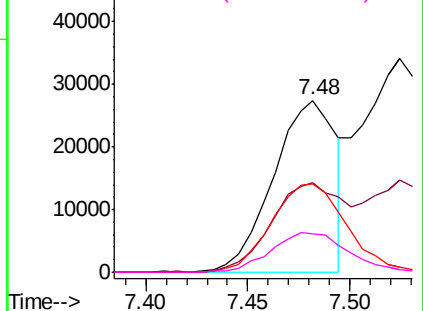
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 59.561 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW012412.D

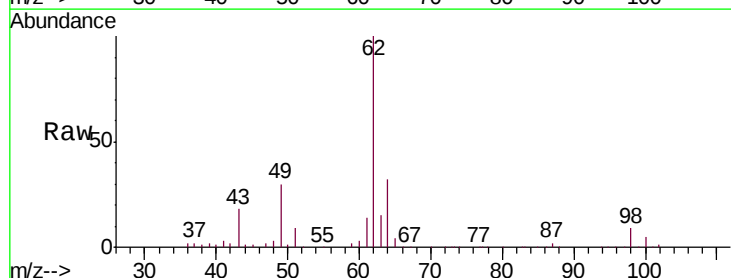
Acq: 31 Aug 2019 20:17

Tgt Ion: 62 Resp: 175824

Ion Ratio Lower Upper

62 100

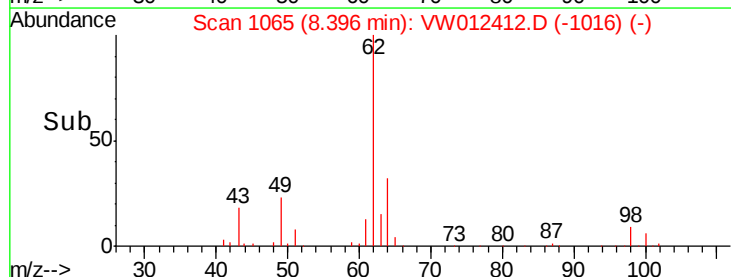
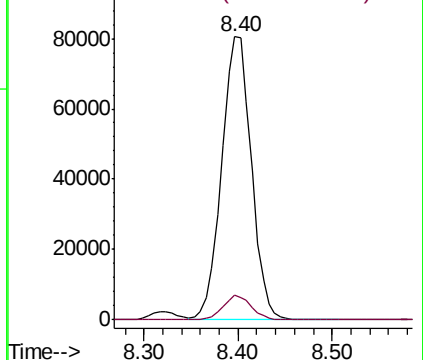
98 8.2 0.0 16.6

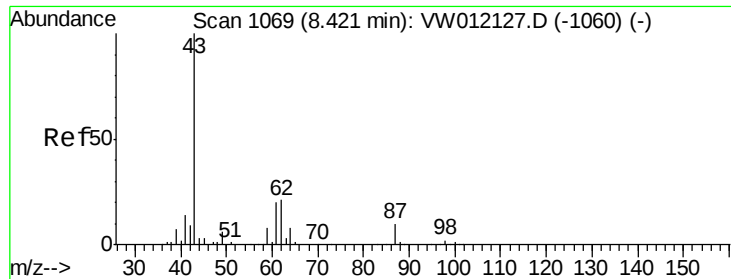


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 56.265 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012412.D

Acq: 31 Aug 2019 20:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

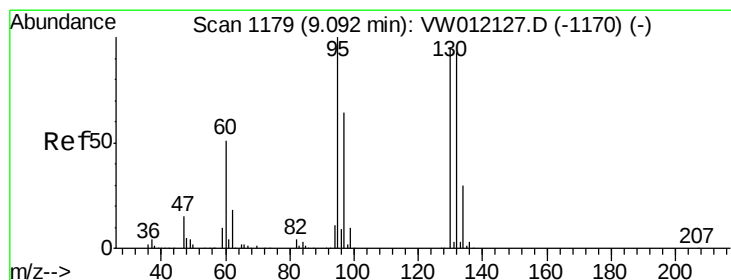
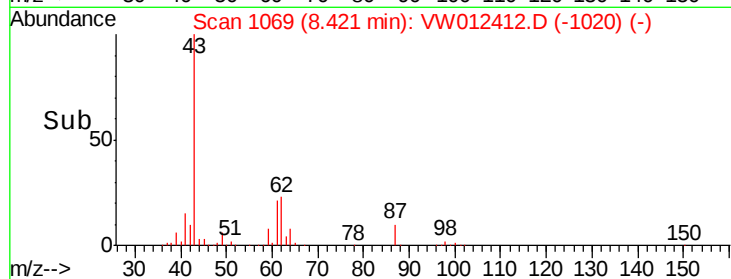
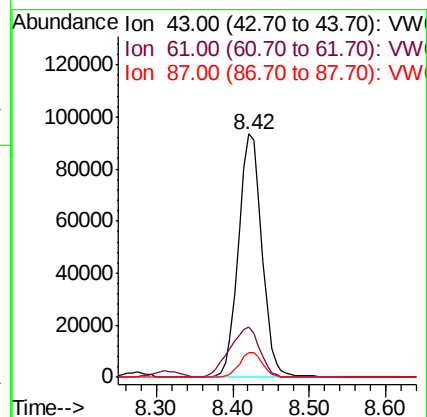
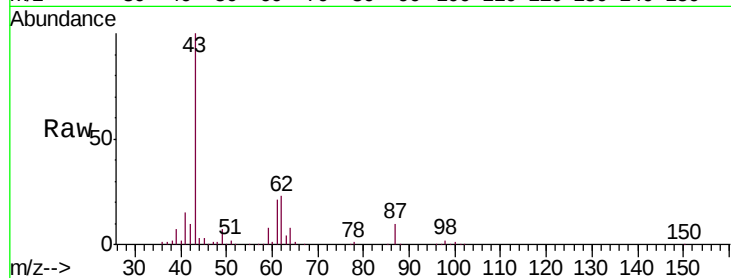
Tgt Ion: 43 Resp: 197002

Ion Ratio Lower Upper

43 100

61 27.1 21.1 31.7

87 10.2 8.2 12.2



#44

Trichloroethene

Concen: 54.282 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW012412.D

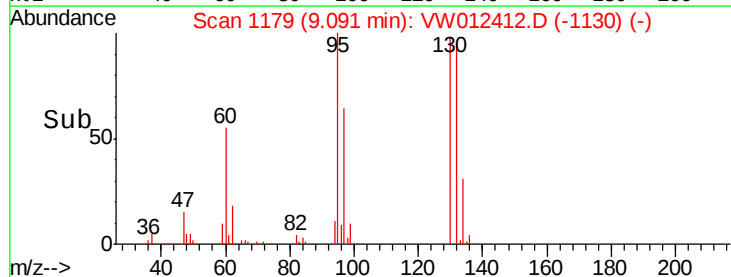
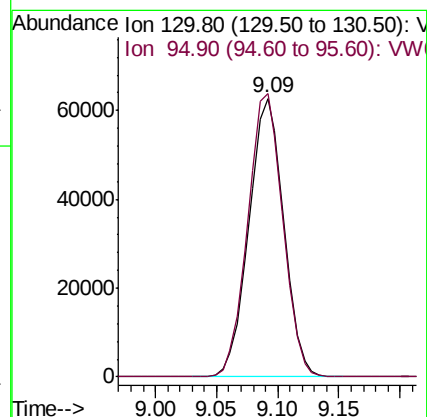
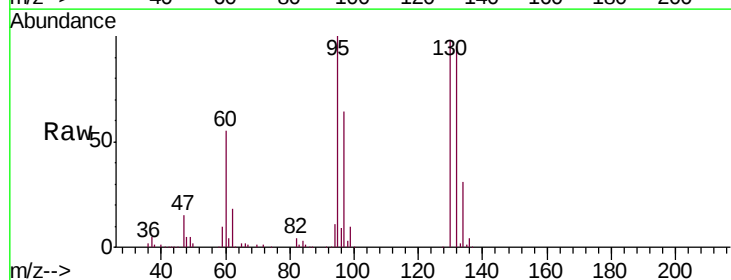
Acq: 31 Aug 2019 20:17

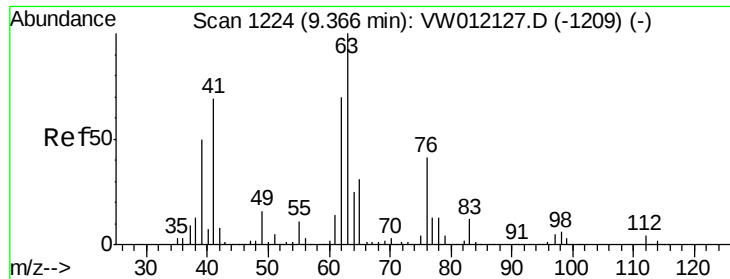
Tgt Ion: 130 Resp: 124291

Ion Ratio Lower Upper

130 100

95 101.5 0.0 210.6





#45

1,2-Dichloropropane

Concen: 55.662 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW012412.D

Acq: 31 Aug 2019 20:17

Instrument :

MSVOA_W

ClientSampleId :

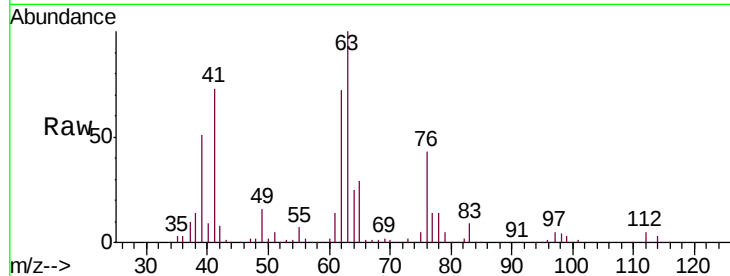
VSTDCCC050EC

Tgt Ion: 63 Resp: 141098

Ion Ratio Lower Upper

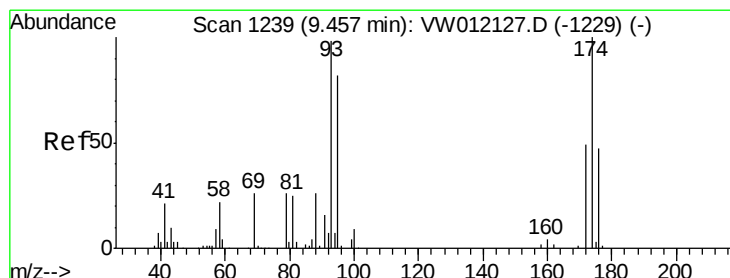
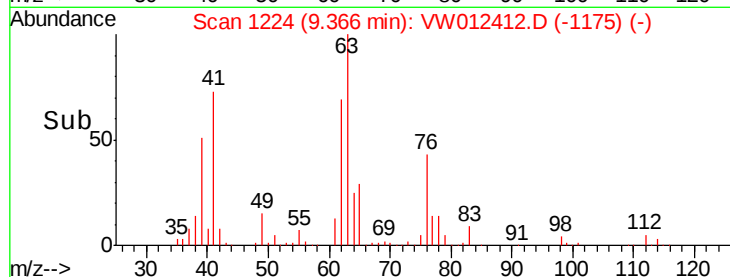
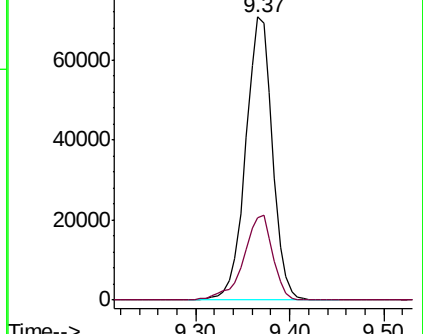
63 100

65 29.3 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 57.734 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW012412.D

Acq: 31 Aug 2019 20:17

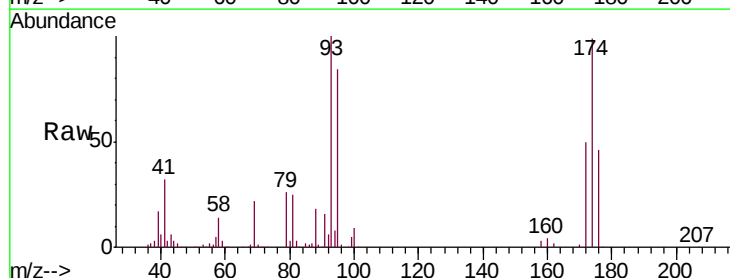
Tgt Ion: 93 Resp: 65116

Ion Ratio Lower Upper

93 100

95 81.7 67.2 100.8

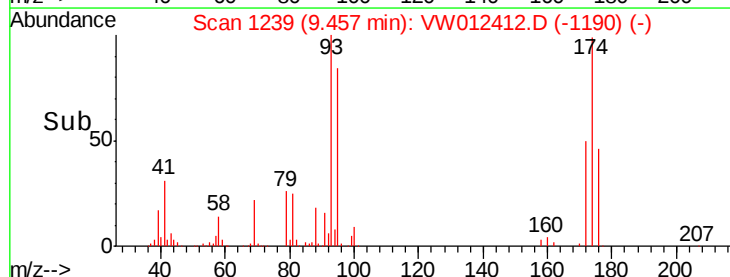
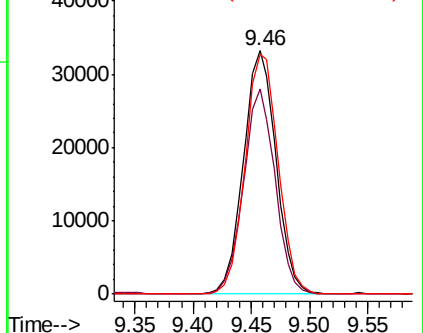
174 99.9 79.0 118.6



Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 58.028 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW012412.D

Acq: 31 Aug 2019 20:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

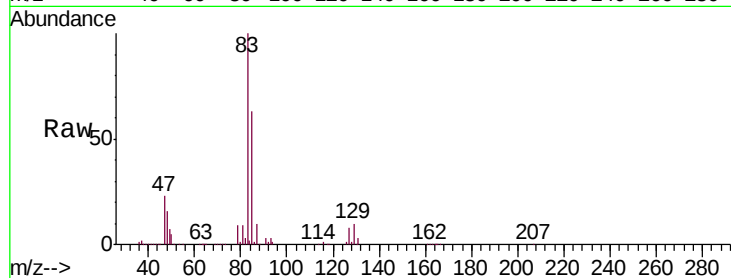
Tgt Ion: 83 Resp: 174183

Ion Ratio Lower Upper

83 100

85 63.5 49.4 74.2

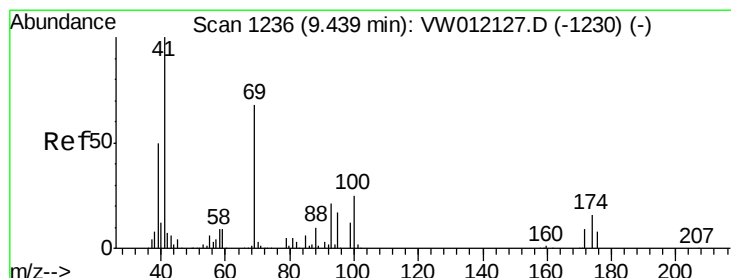
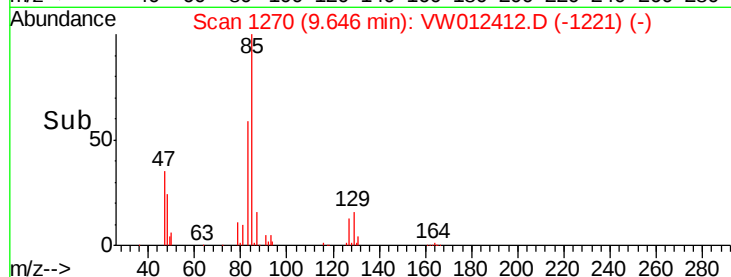
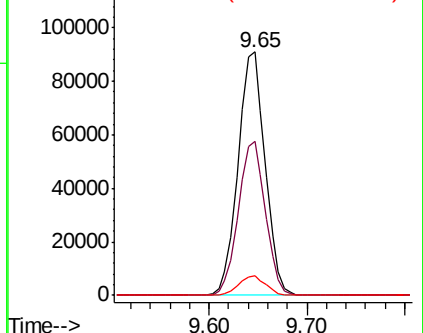
127 8.1 6.1 9.1



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): VW



#48

Methyl methacrylate

Concen: 58.287 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW012412.D

Acq: 31 Aug 2019 20:17

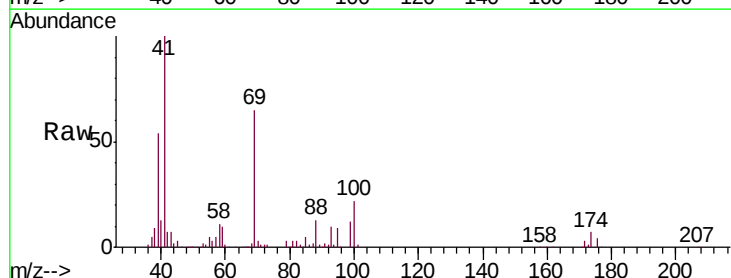
Tgt Ion: 41 Resp: 97132

Ion Ratio Lower Upper

41 100

69 70.0 56.7 85.1

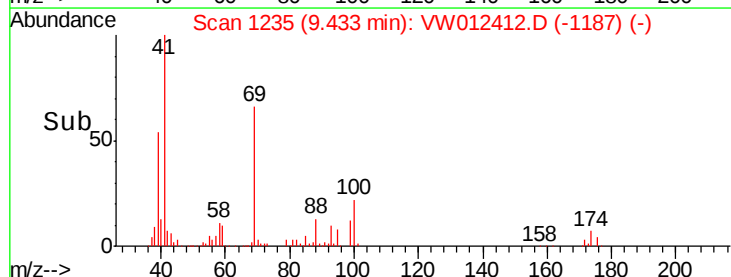
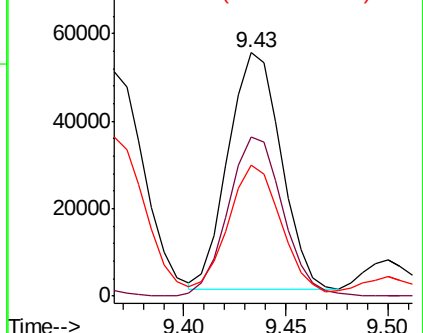
39 56.5 42.0 63.0

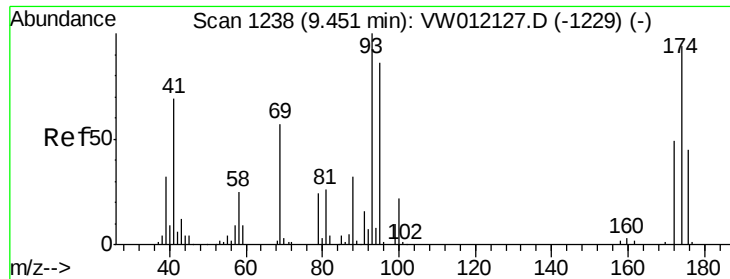


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 1122.128 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.01 min

Lab File: VW012412.D

Acq: 31 Aug 2019 20:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

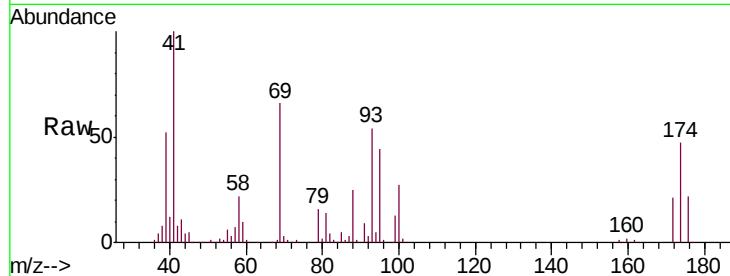
Tgt Ion: 88 Resp: 19375

Ion Ratio Lower Upper

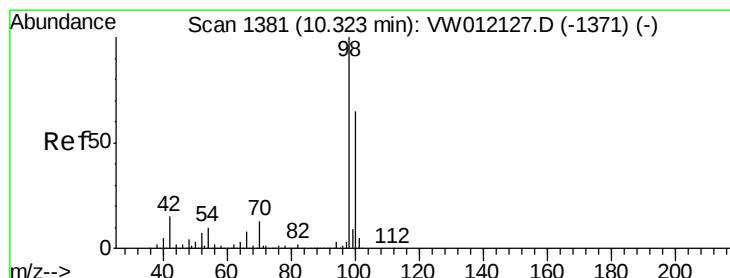
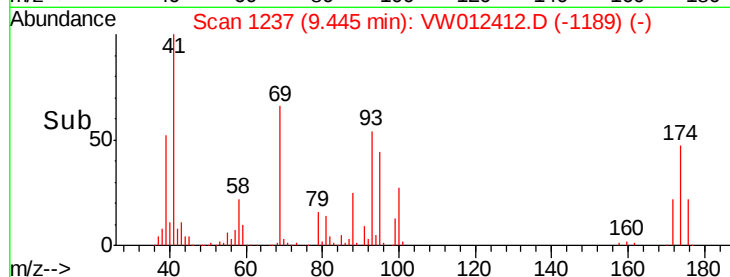
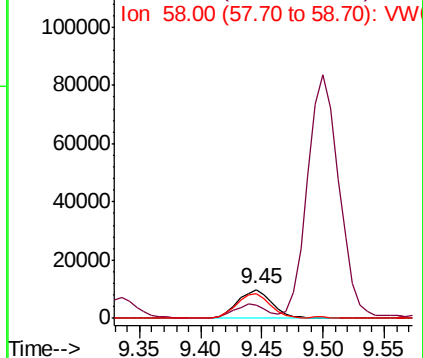
88 100

43 46.7 32.9 49.3

58 85.7 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: 49.940 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012412.D

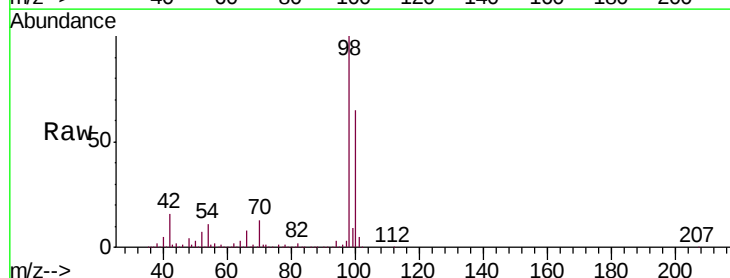
Acq: 31 Aug 2019 20:17

Tgt Ion: 98 Resp: 403463

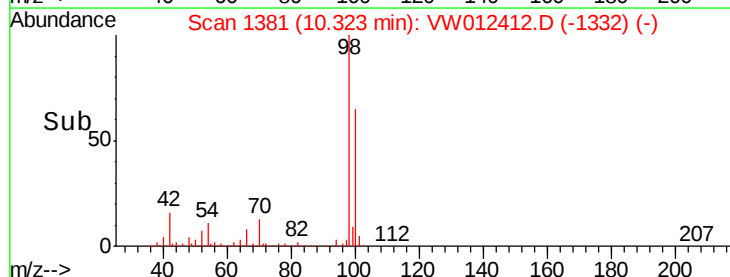
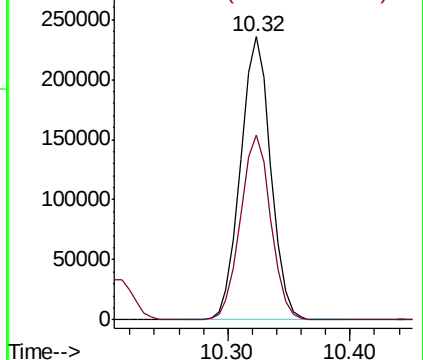
Ion Ratio Lower Upper

98 100

100 65.5 52.4 78.6



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

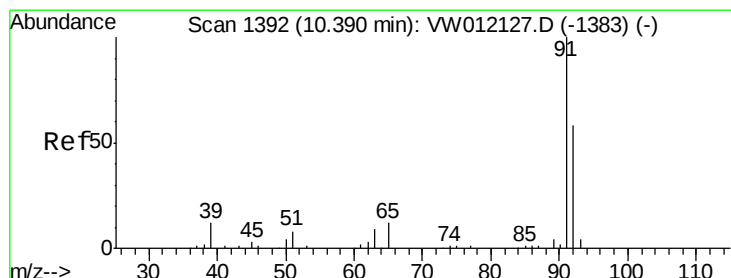
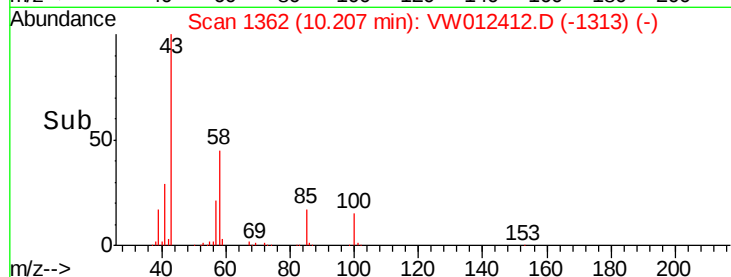
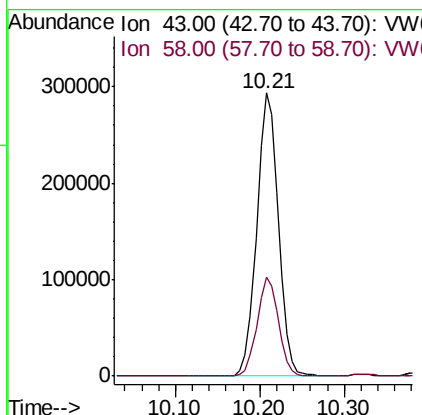
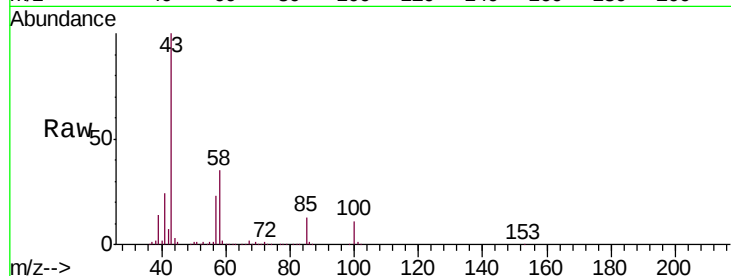




#51
 4-Methyl-2-Pentanone
 Concen: 288.201 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW012412.D
 Acq: 31 Aug 2019 20:17

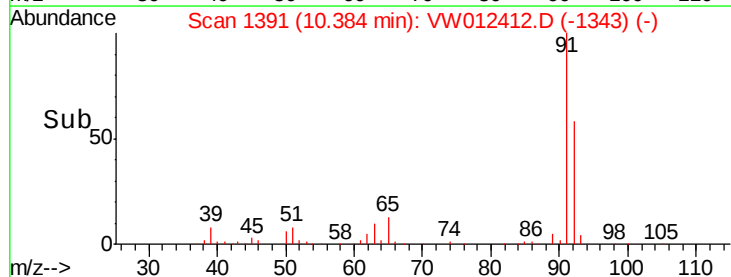
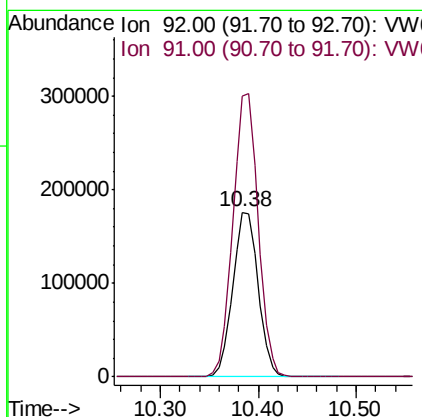
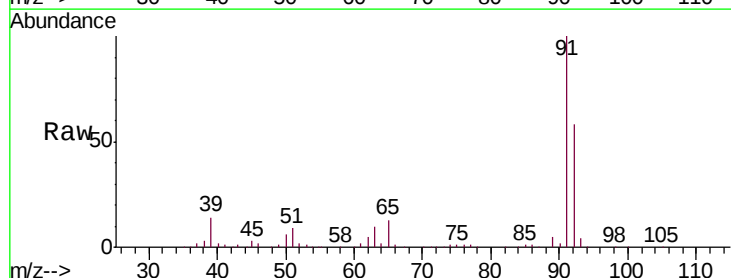
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

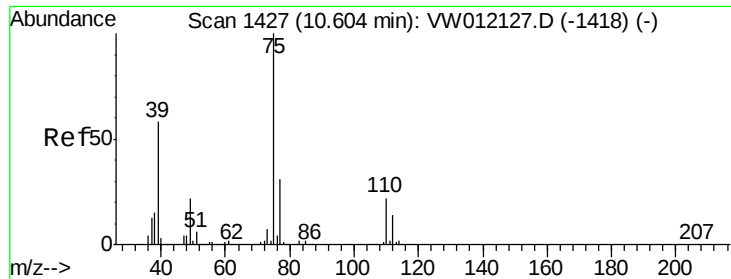
Tgt Ion: 43 Resp: 513252
 Ion Ratio Lower Upper
 43 100
 58 34.7 28.2 42.2



#52
 Toluene
 Concen: 55.918 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VW012412.D
 Acq: 31 Aug 2019 20:17

Tgt Ion: 92 Resp: 316407
 Ion Ratio Lower Upper
 92 100
 91 171.3 136.6 204.8





#53

t-1,3-Dichloropropene

Concen: 57.963 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012412.D

Acq: 31 Aug 2019 20:17

Instrument :

MSVOA_W

ClientSampleId :

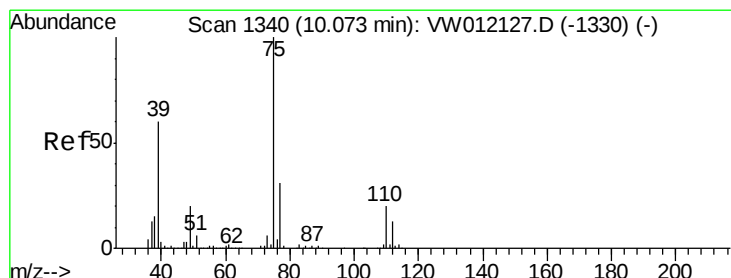
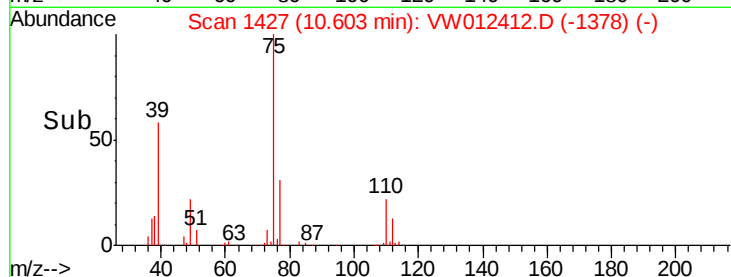
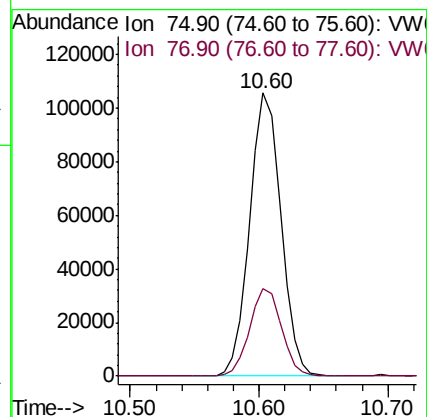
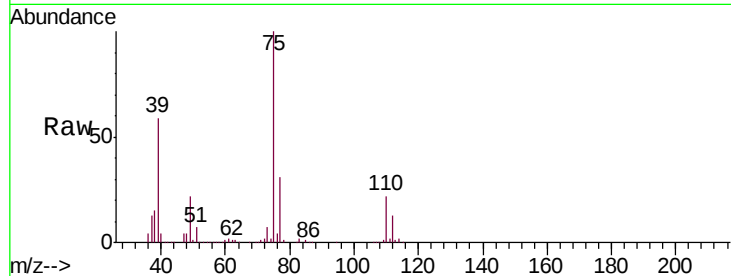
VSTDCCC050EC

Tgt Ion: 75 Resp: 177228

Ion Ratio Lower Upper

75 100

77 30.9 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 56.298 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012412.D

Acq: 31 Aug 2019 20:17

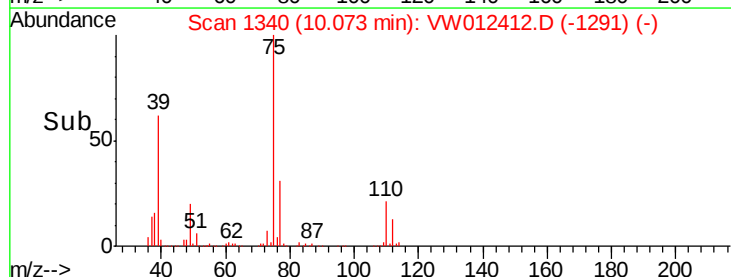
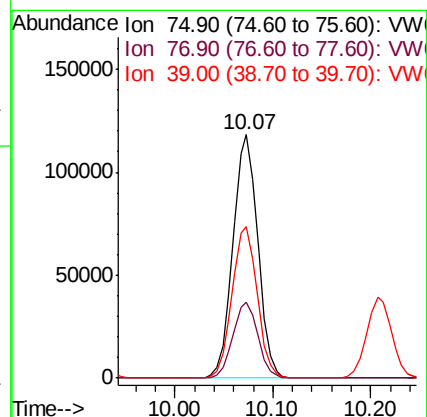
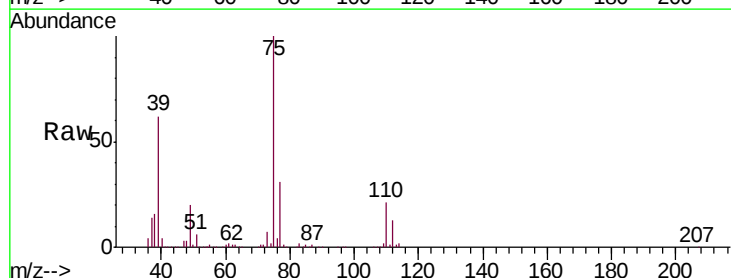
Tgt Ion: 75 Resp: 207846

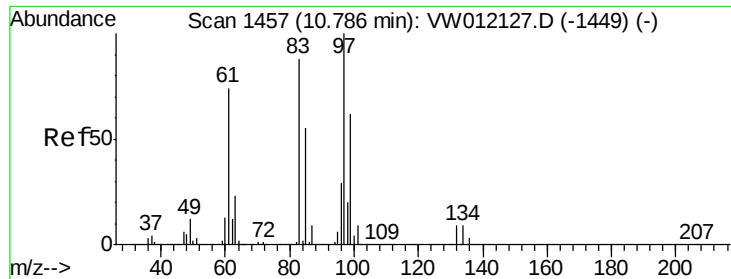
Ion Ratio Lower Upper

75 100

77 31.2 25.1 37.7

39 62.1 48.3 72.5

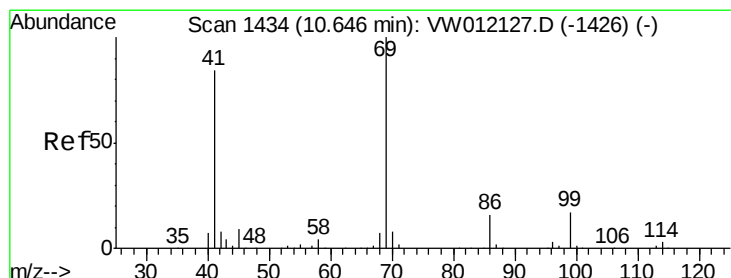
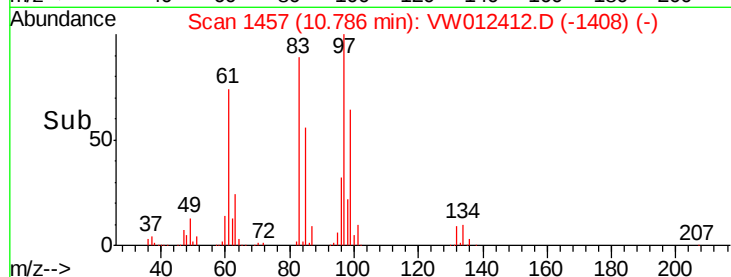
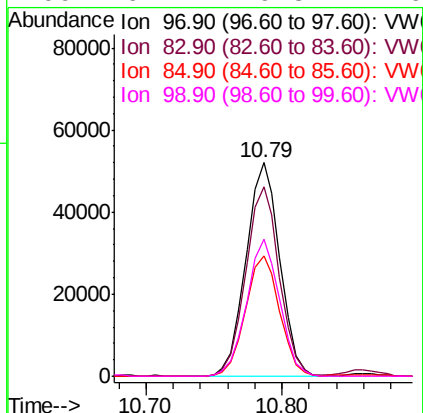
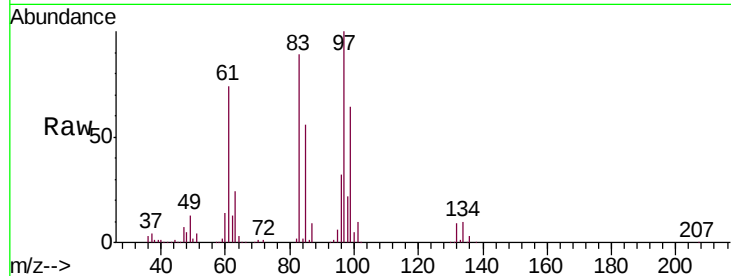




#55
 1,1,2-Trichloroethane
 Concen: 56.764 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012412.D
 Acq: 31 Aug 2019 20:17

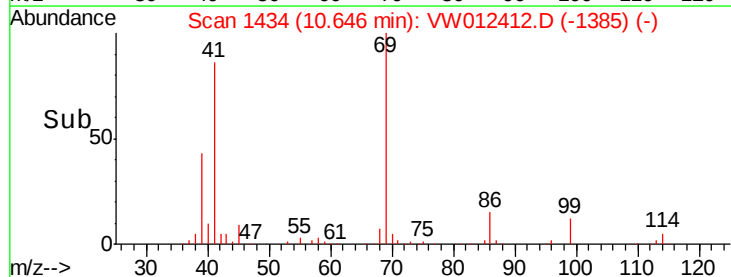
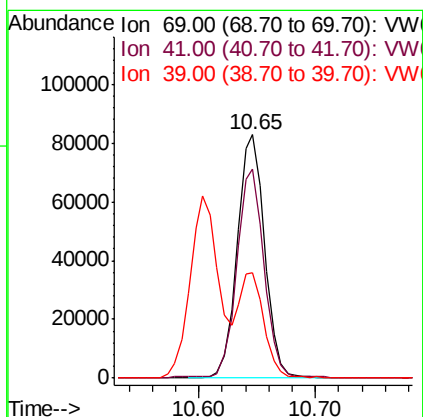
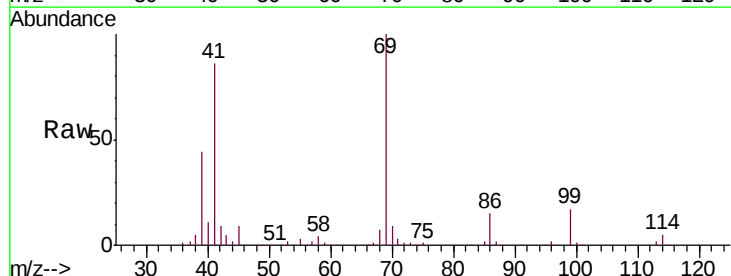
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

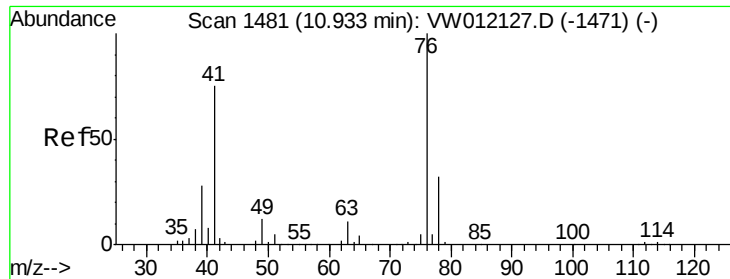
Tgt Ion:	97	Resp:	90583
Ion	Ratio	Lower	Upper
97	100		
83	88.9	70.8	106.2
85	56.2	43.8	65.8
99	64.2	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 58.458 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012412.D
 Acq: 31 Aug 2019 20:17

Tgt Ion:	69	Resp:	135769
Ion	Ratio	Lower	Upper
69	100		
41	84.7	66.5	99.7
39	38.9	31.0	46.4

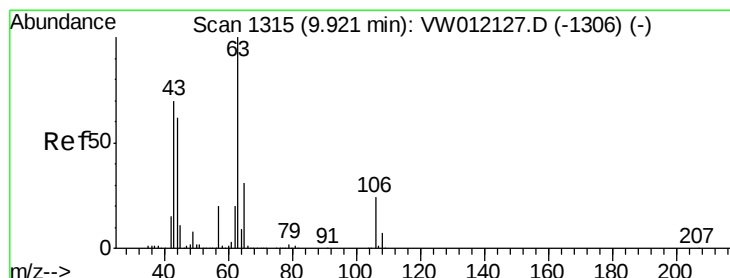
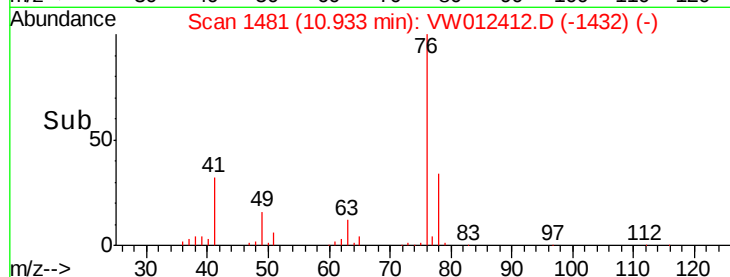
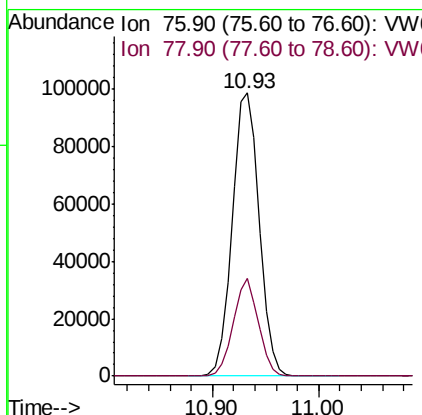
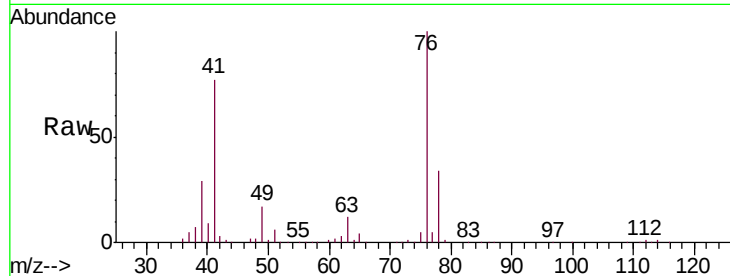




#57
 1,3-Dichloropropane
 Concen: 57.947 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012412.D
 Acq: 31 Aug 2019 20:17

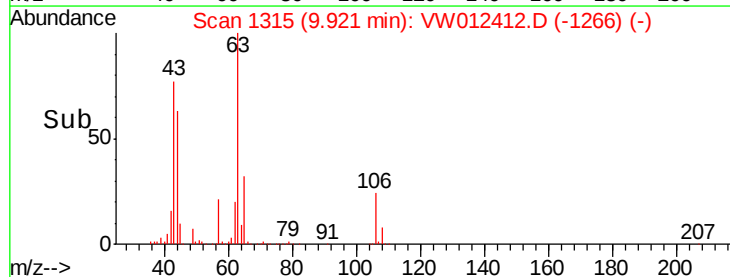
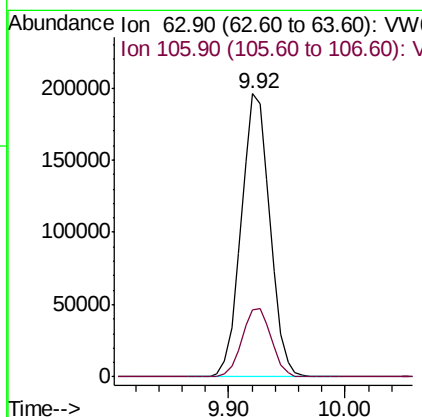
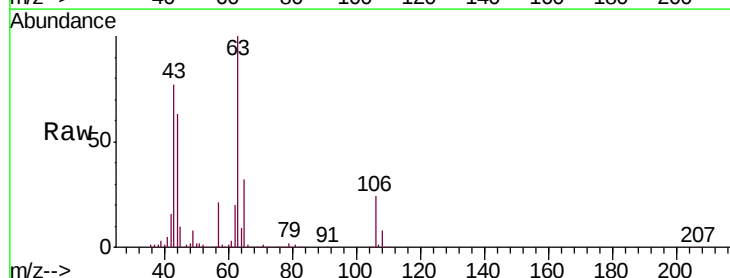
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 76 Resp: 174746
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 282.617 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012412.D
 Acq: 31 Aug 2019 20:17

Tgt Ion: 63 Resp: 336870
 Ion Ratio Lower Upper
 63 100
 106 24.8 19.8 29.8

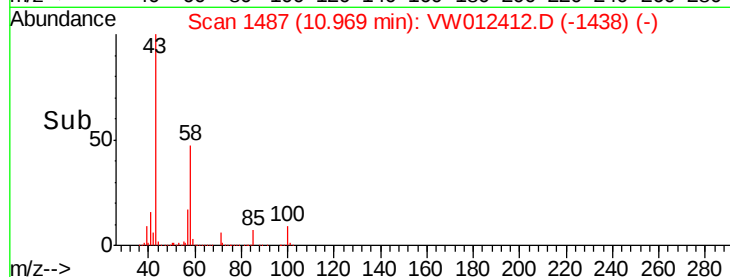
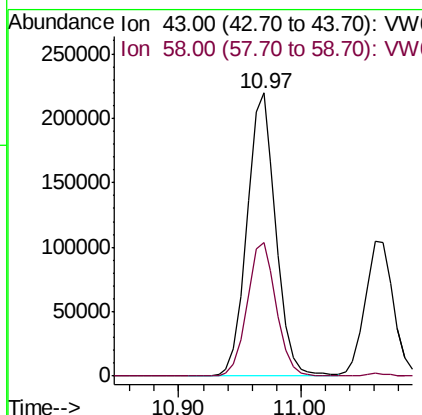
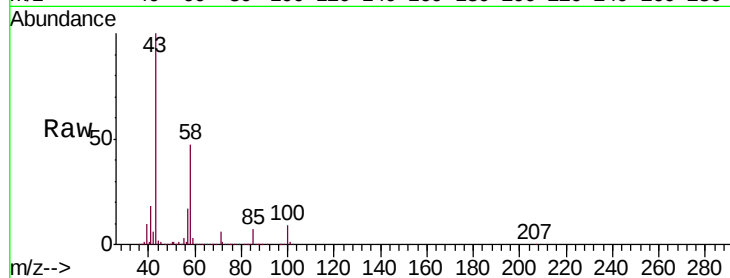




#59
2-Hexanone
Concen: 284.532 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012412.D
Acq: 31 Aug 2019 20:17

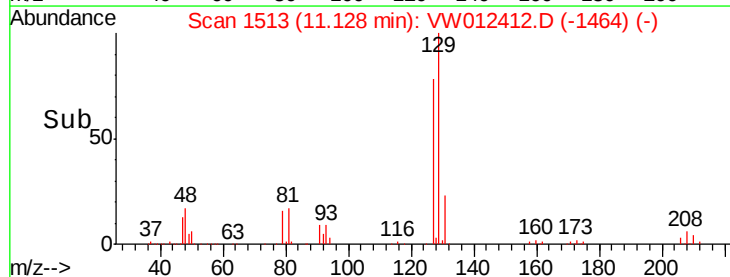
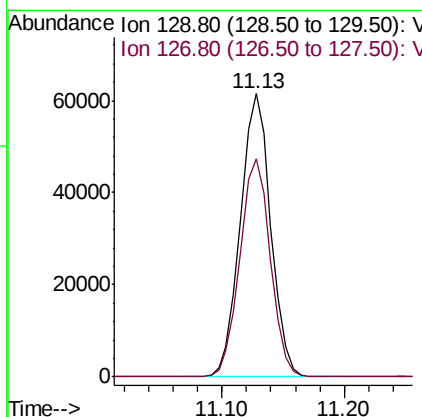
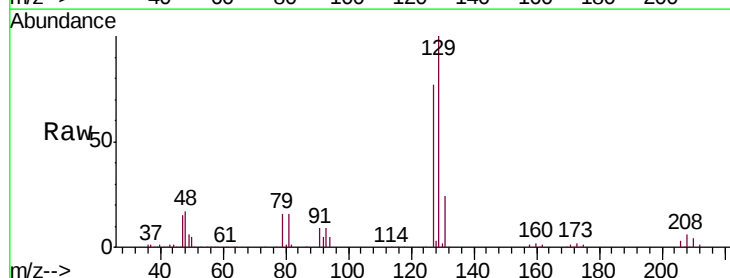
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 358536
Ion Ratio Lower Upper
43 100
58 47.7 24.3 72.9



#60
Dibromochloromethane
Concen: 59.402 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012412.D
Acq: 31 Aug 2019 20:17

Tgt Ion: 129 Resp: 105582
Ion Ratio Lower Upper
129 100
127 77.4 38.6 115.8





#61

1,2-Dibromoethane

Concen: 57.335 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW012412.D

Acq: 31 Aug 2019 20:17

Instrument :

MSVOA_W

ClientSampleId :

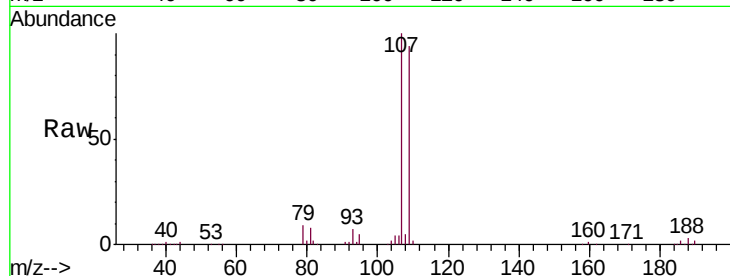
VSTDCCC050EC

Tgt Ion: 107 Resp: 85238

Ion Ratio Lower Upper

107 100

109 94.5 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.23

50000

40000

30000

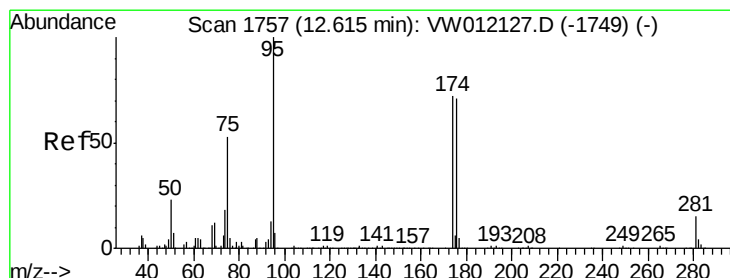
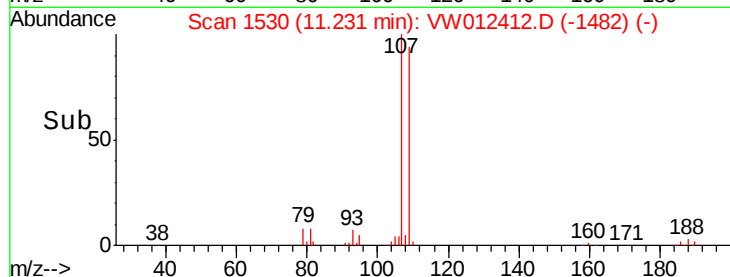
20000

10000

0

Time-->

11.20 11.30



#62

4-Bromofluorobenzene

Concen: 51.070 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012412.D

Acq: 31 Aug 2019 20:17

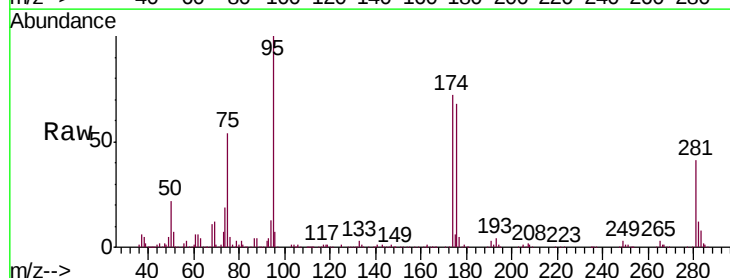
Tgt Ion: 95 Resp: 145437

Ion Ratio Lower Upper

95 100

174 77.8 0.0 150.8

176 74.8 0.0 148.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

120000

100000

80000

60000

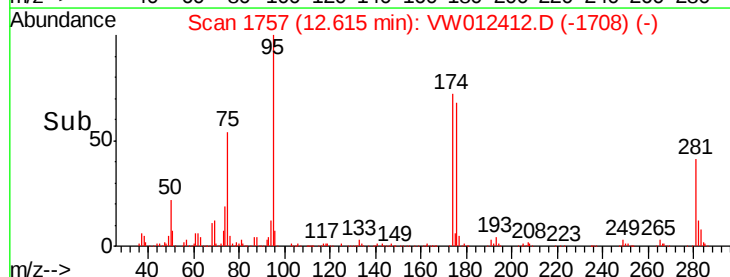
40000

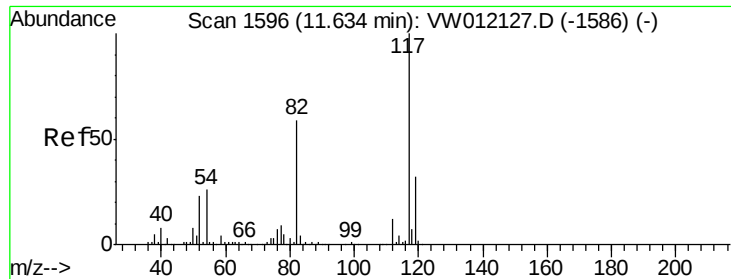
20000

0

Time-->

12.55 12.60 12.65 12.70

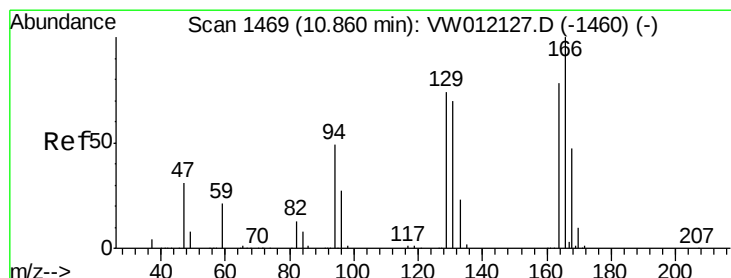
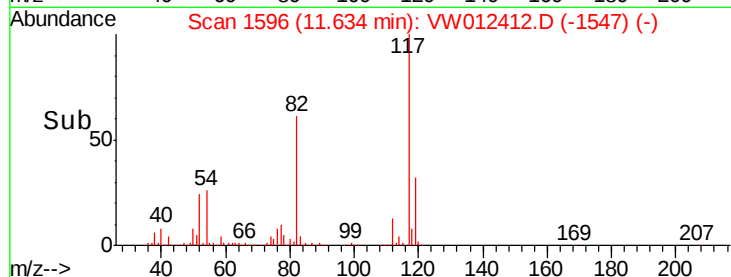
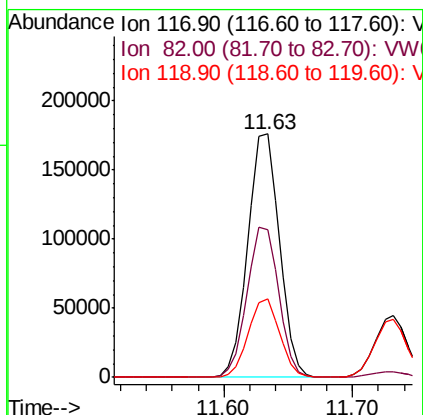
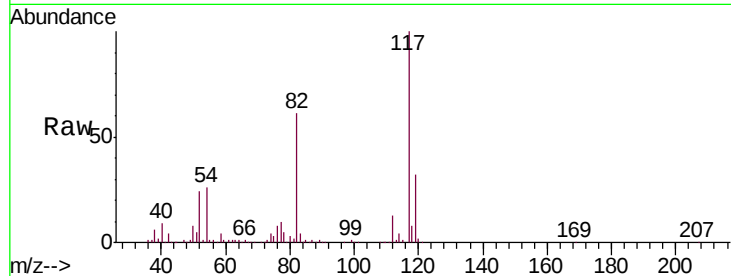




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012412.D
Acq: 31 Aug 2019 20:17

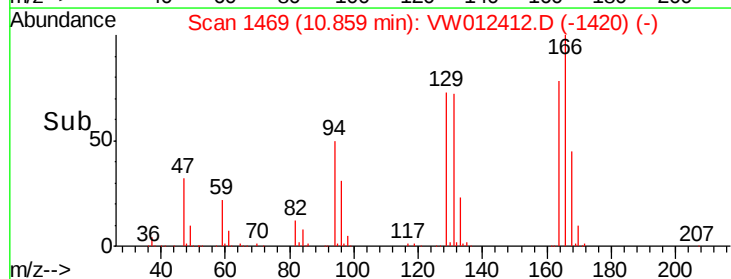
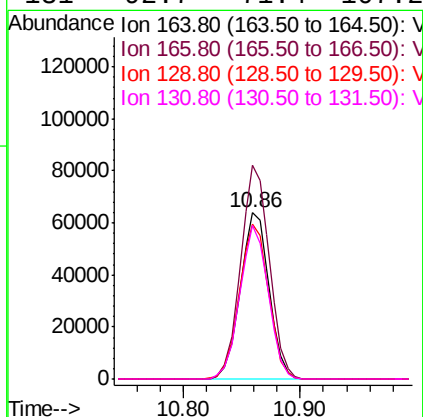
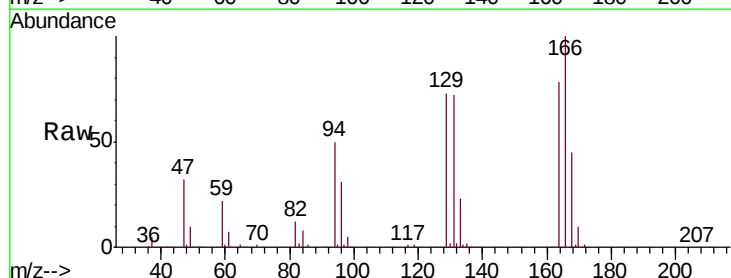
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

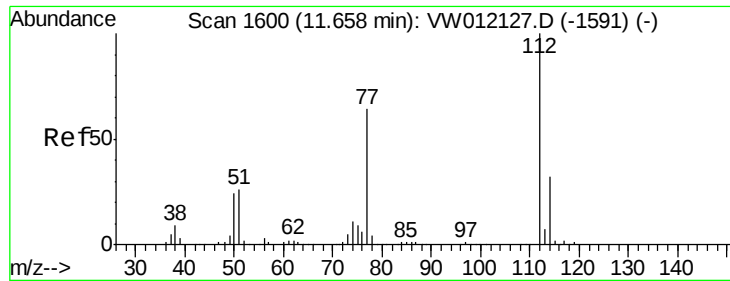
Tgt Ion:117 Resp: 299112
Ion Ratio Lower Upper
117 100
82 60.7 47.4 71.2
119 32.0 25.4 38.2



#64
Tetrachloroethene
Concen: 56.651 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012412.D
Acq: 31 Aug 2019 20:17

Tgt Ion:164 Resp: 109859
Ion Ratio Lower Upper
164 100
166 128.5 102.4 153.6
129 93.5 75.8 113.6
131 92.7 71.4 107.2

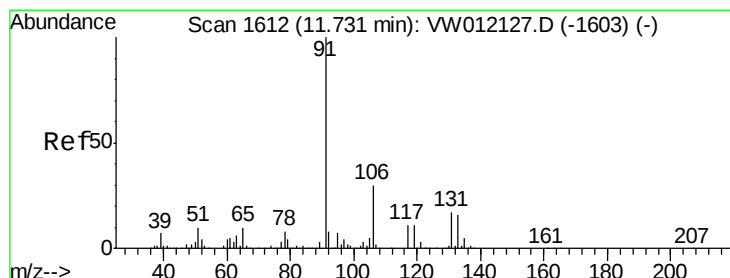
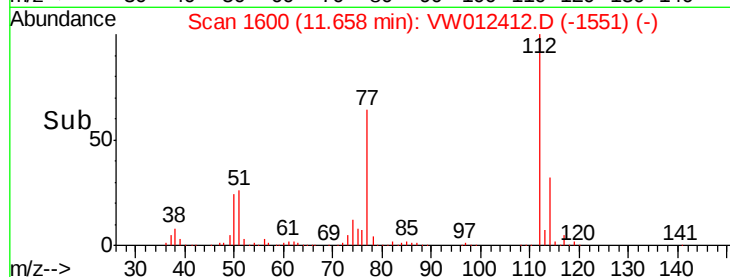
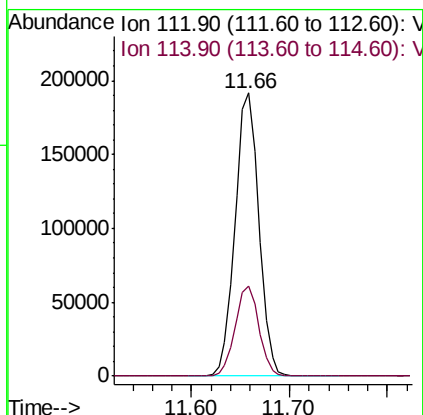
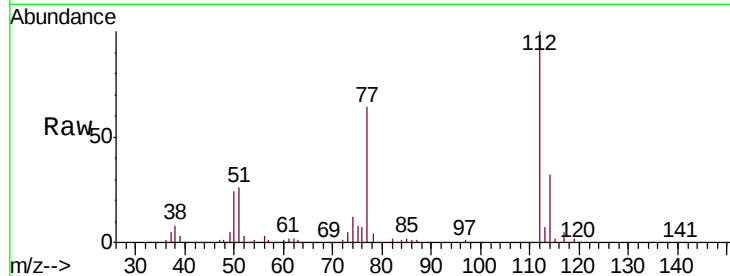




#65
Chlorobenzene
Concen: 55.009 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012412.D
Acq: 31 Aug 2019 20:17

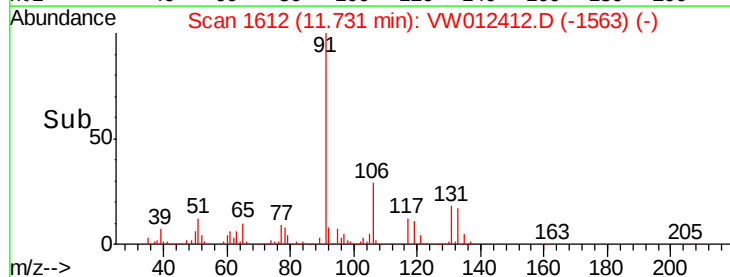
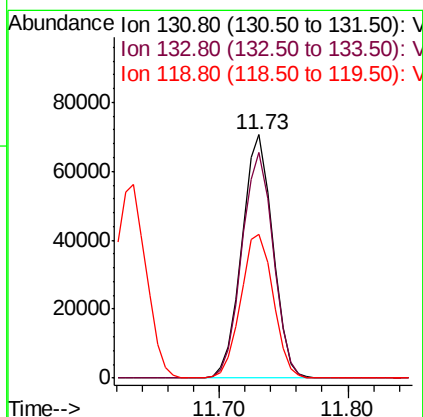
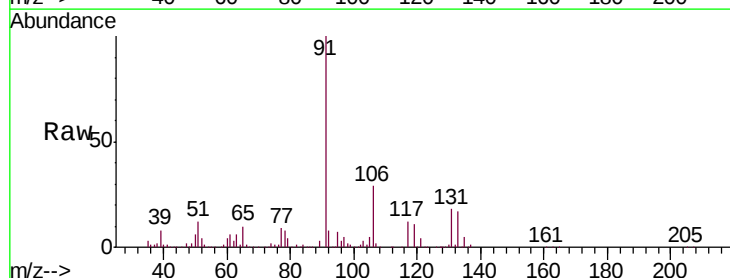
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

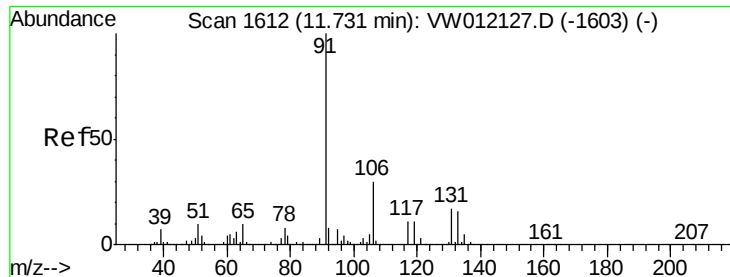
Tgt Ion:112 Resp: 323990
Ion Ratio Lower Upper
112 100
114 32.1 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 56.995 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012412.D
Acq: 31 Aug 2019 20:17

Tgt Ion:131 Resp: 117108
Ion Ratio Lower Upper
131 100
133 94.2 47.1 141.3
119 61.9 31.8 95.3

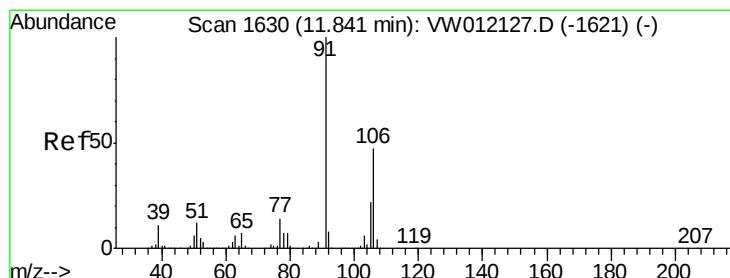
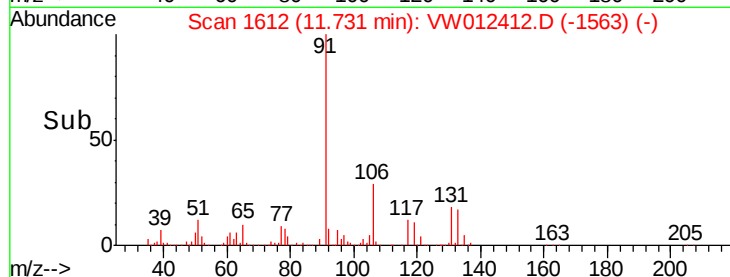
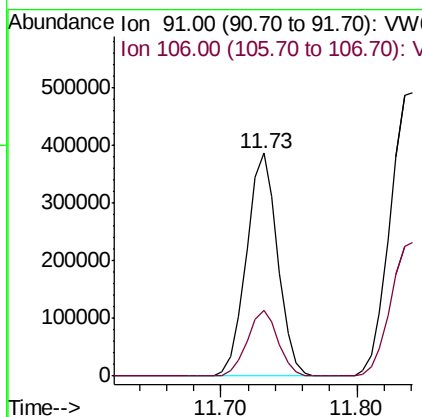
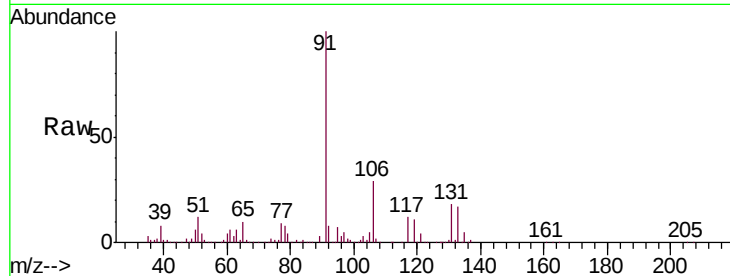




#67
Ethyl Benzene
Concen: 54.724 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012412.D
Acq: 31 Aug 2019 20:17

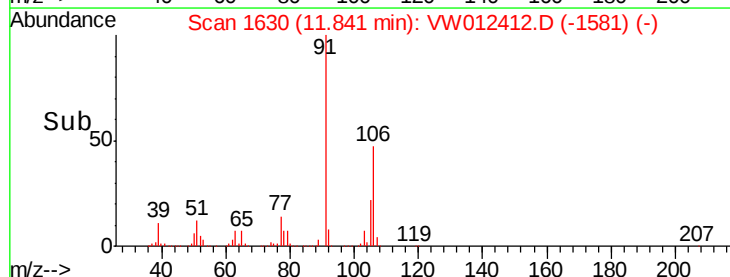
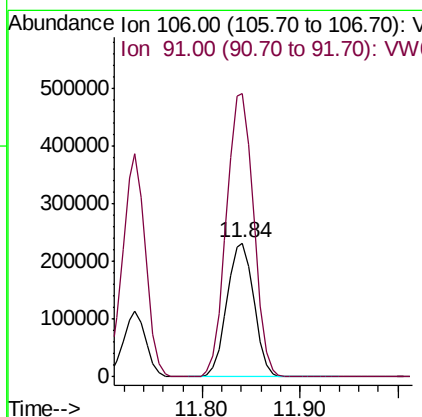
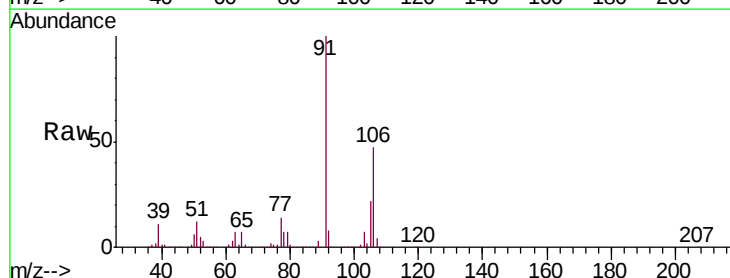
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

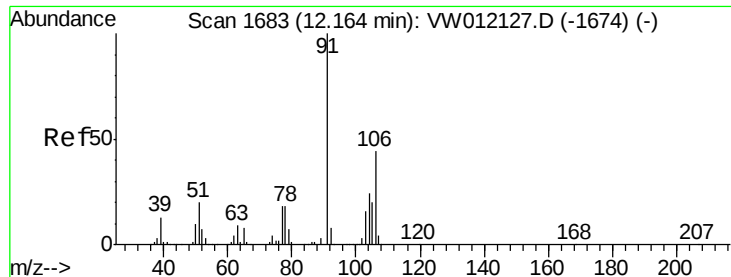
Tgt Ion: 91 Resp: 620880
Ion Ratio Lower Upper
91 100
106 29.2 24.3 36.5



#68
m/p-Xylenes
Concen: 108.891 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012412.D
Acq: 31 Aug 2019 20:17

Tgt Ion: 106 Resp: 445020
Ion Ratio Lower Upper
106 100
91 213.0 169.5 254.3

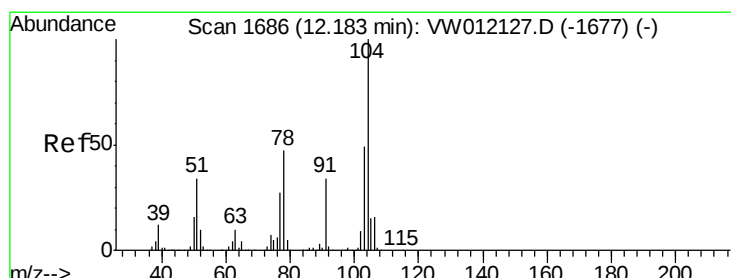
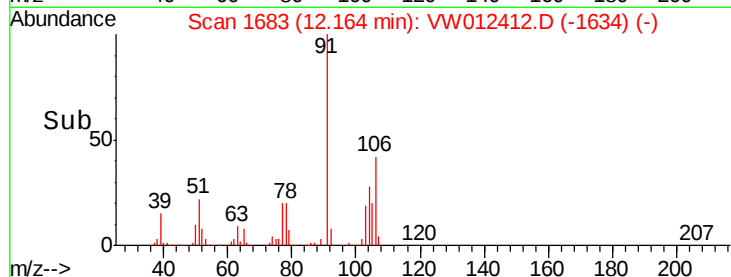
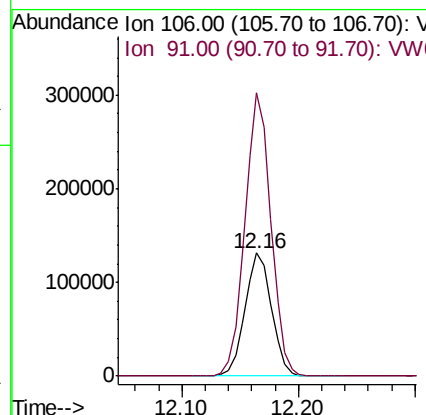
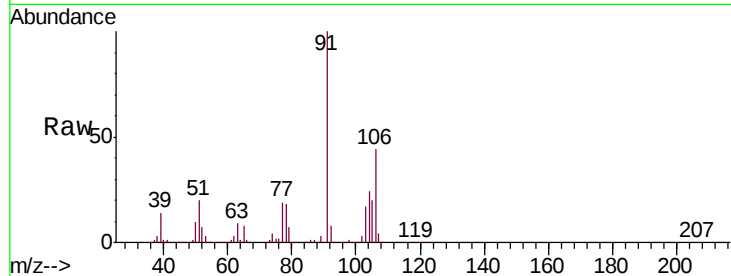




#69
o-Xylene
Concen: 55.216 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012412.D
Acq: 31 Aug 2019 20:17

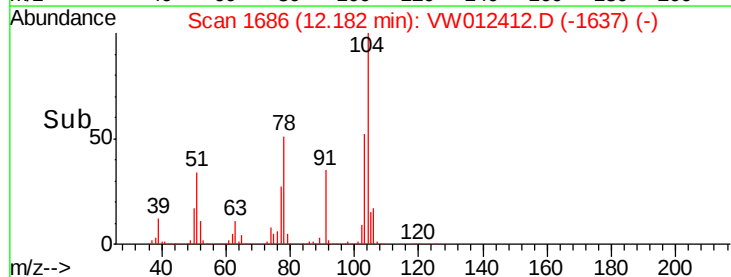
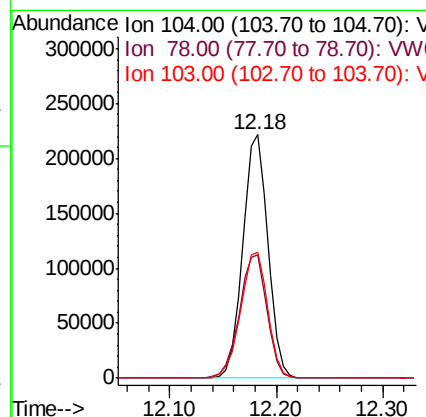
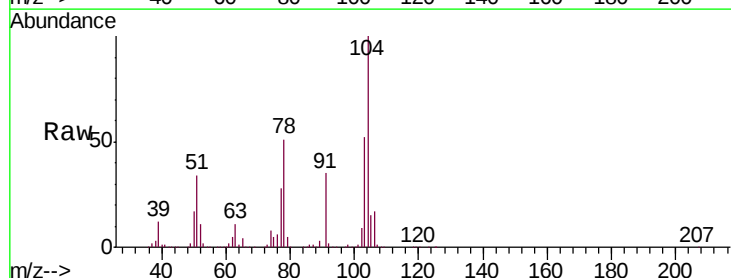
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

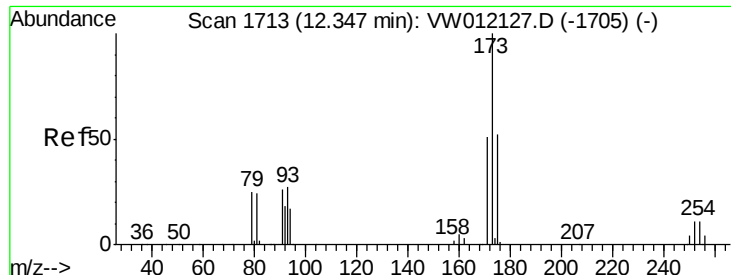
Tgt Ion:106 Resp: 208854
Ion Ratio Lower Upper
106 100
91 225.3 111.6 334.6



#70
Styrene
Concen: 56.046 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012412.D
Acq: 31 Aug 2019 20:17

Tgt Ion:104 Resp: 366938
Ion Ratio Lower Upper
104 100
78 55.7 43.1 64.7
103 55.7 43.5 65.3





#71

Bromoform

Concen: 57.659 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012412.D

Acq: 31 Aug 2019 20:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

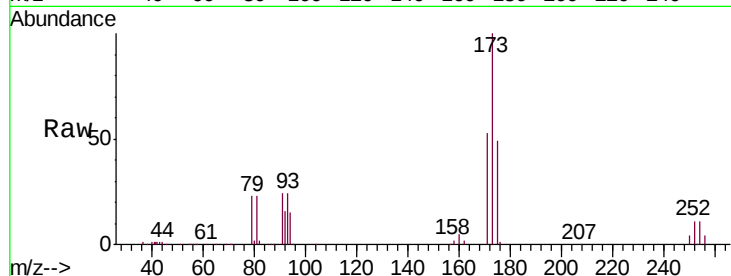
Tgt Ion:173 Resp: 59026

Ion Ratio Lower Upper

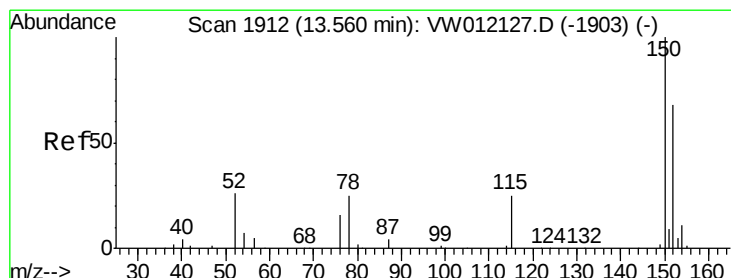
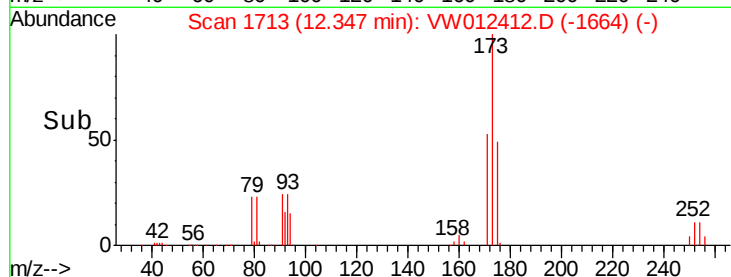
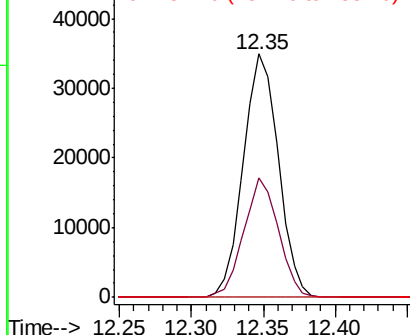
173 100

175 48.3 24.6 74.0

254 0.0 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: VW012412.D

Acq: 31 Aug 2019 20:17

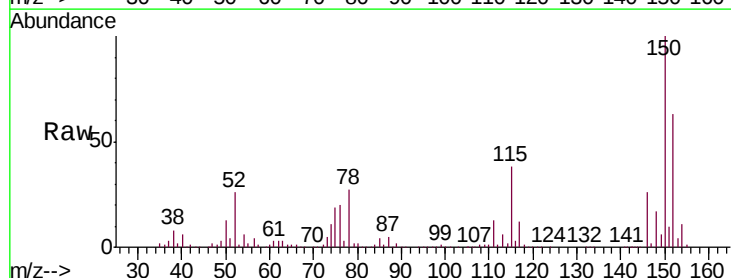
Tgt Ion:152 Resp: 147954

Ion Ratio Lower Upper

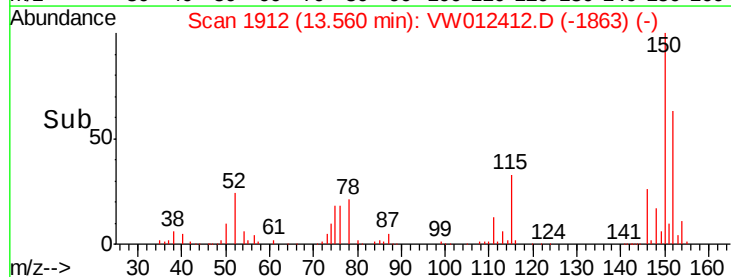
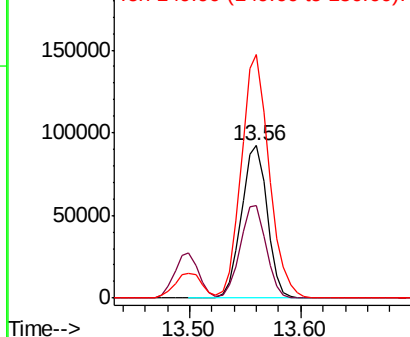
152 100

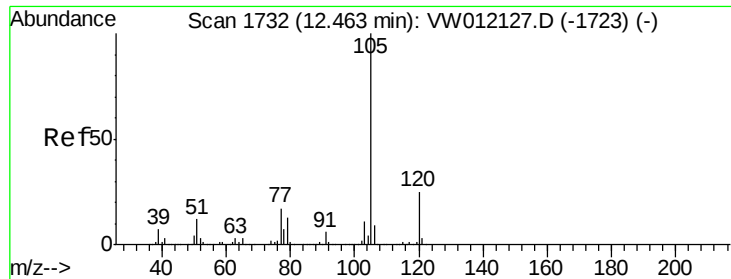
115 60.9 30.1 90.3

150 172.8 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: 52.318 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012412.D

Acq: 31 Aug 2019 20:17

Instrument :

MSVOA_W

ClientSampleId :

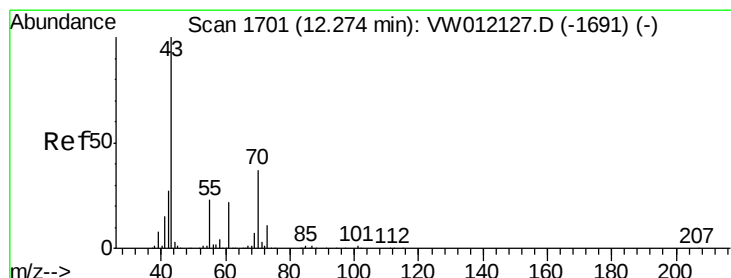
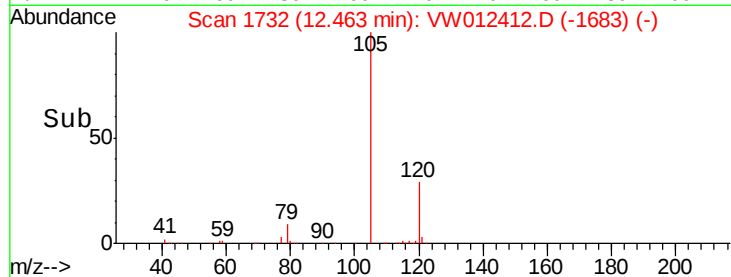
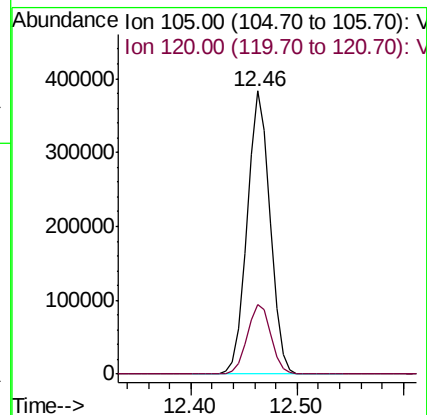
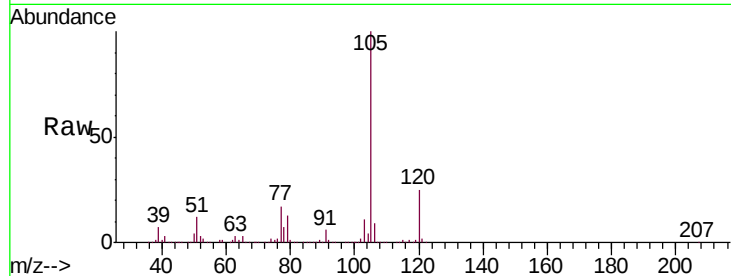
VSTDCCC050EC

Tgt Ion:105 Resp: 580020

Ion Ratio Lower Upper

105 100

120 25.5 12.5 37.5



#74

N-ethyl acetate

Concen: 55.544 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012412.D

Acq: 31 Aug 2019 20:17

Tgt Ion: 43 Resp: 186046

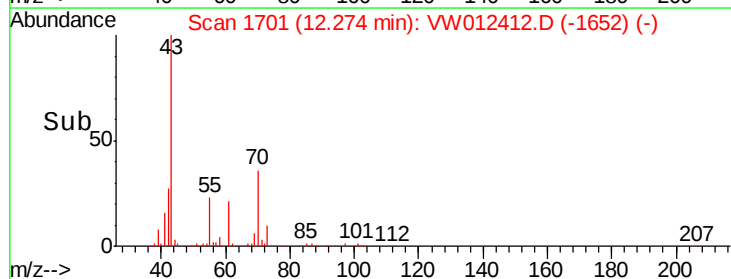
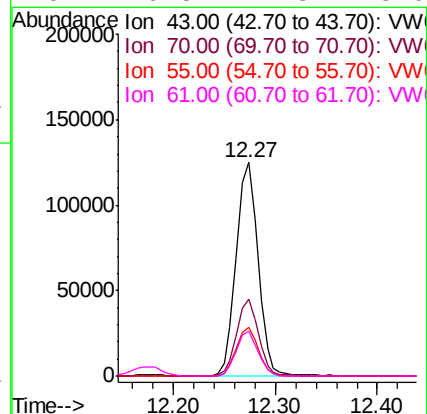
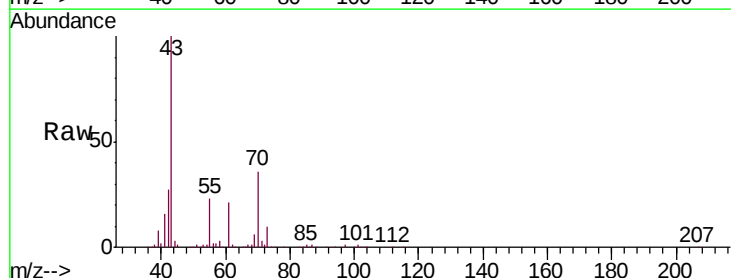
Ion Ratio Lower Upper

43 100

70 35.6 28.6 43.0

55 23.4 17.8 26.6

61 20.8 17.3 25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 52.694 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012412.D

Acq: 31 Aug 2019 20:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

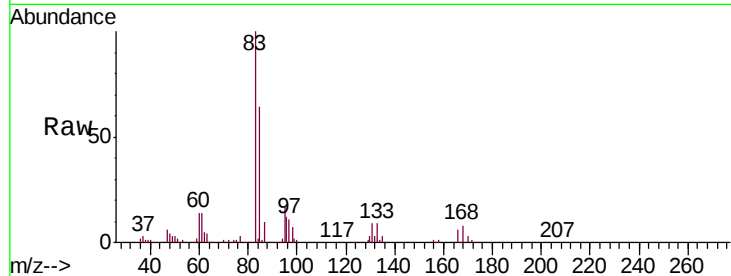
Tgt Ion: 83 Resp: 107098

Ion Ratio Lower Upper

83 100

131 10.2 4.9 14.7

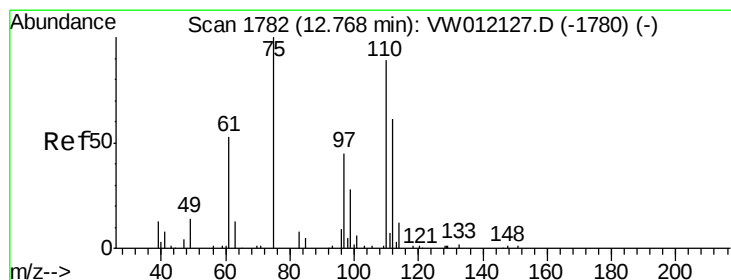
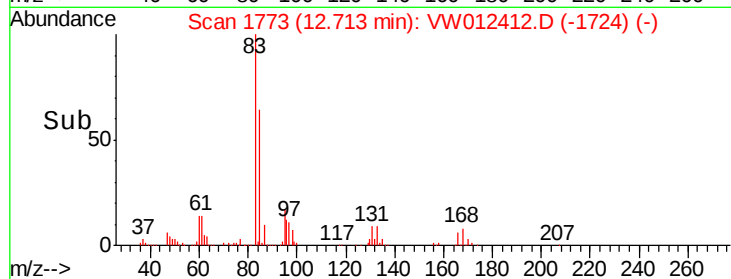
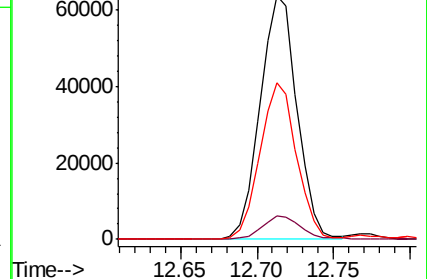
85 63.9 31.9 95.7



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: 100.977 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW012412.D

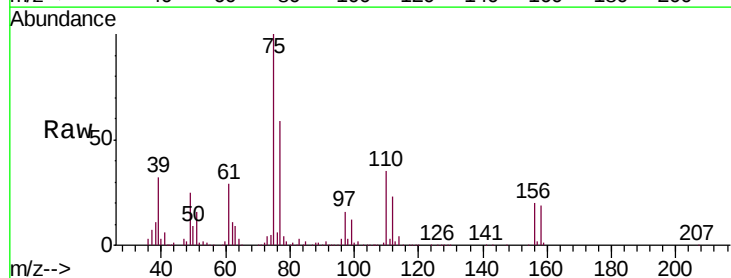
Acq: 31 Aug 2019 20:17

Tgt Ion: 75 Resp: 145504

Ion Ratio Lower Upper

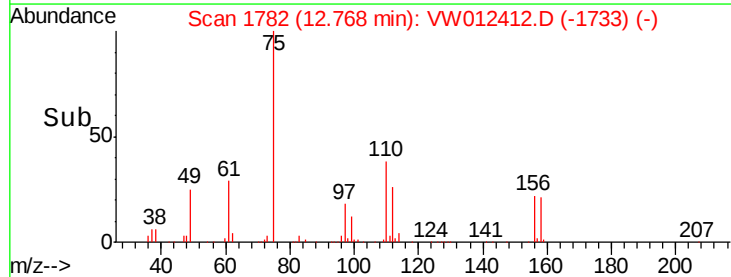
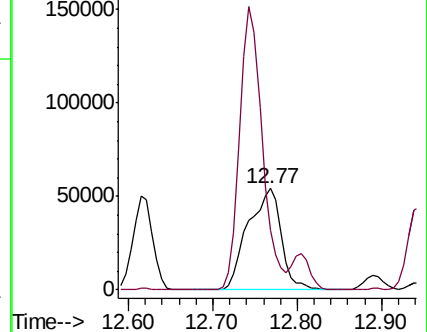
75 100

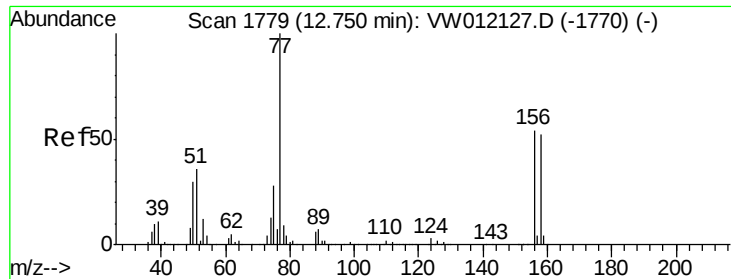
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

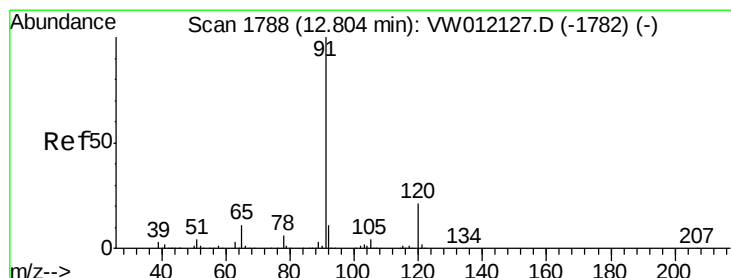
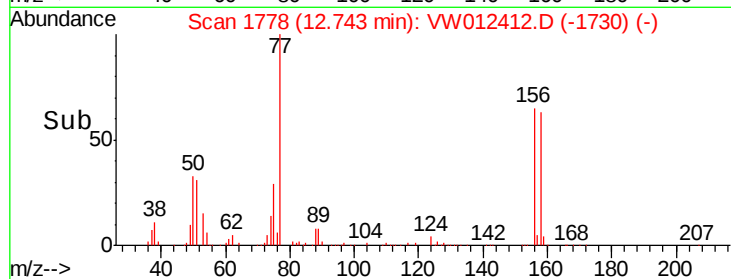
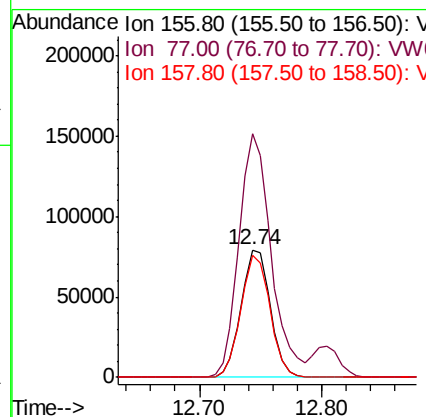
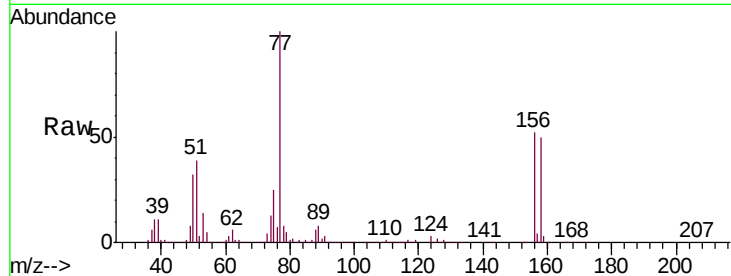




#77
Bromobenzene
Concen: 54.716 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. -0.01 min
Lab File: VW012412.D
Acq: 31 Aug 2019 20:17

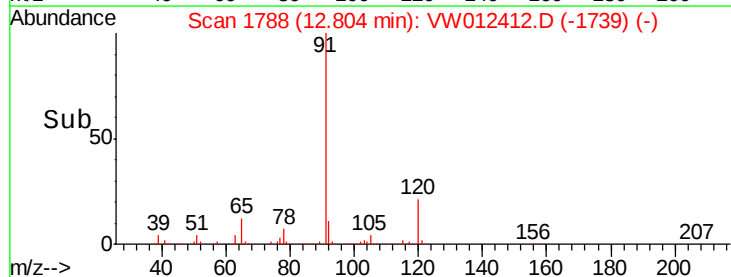
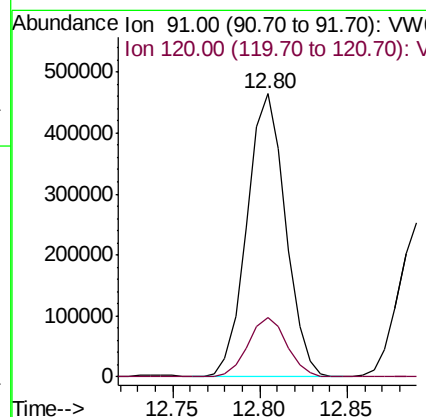
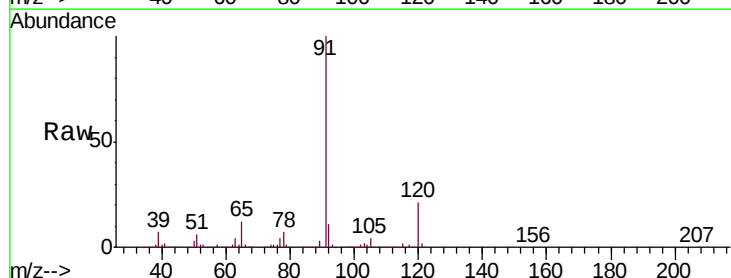
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 131233
Ion Ratio Lower Upper
156 100
77 210.4 107.3 321.8
158 95.4 49.0 147.0



#78
n-propylbenzene
Concen: 52.587 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW012412.D
Acq: 31 Aug 2019 20:17

Tgt Ion: 91 Resp: 711722
Ion Ratio Lower Upper
91 100
120 21.1 10.5 31.6





#79

2-Chlorotoluene

Concen: 53.796 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012412.D

Acq: 31 Aug 2019 20:17

Instrument :

MSVOA_W

ClientSampleId :

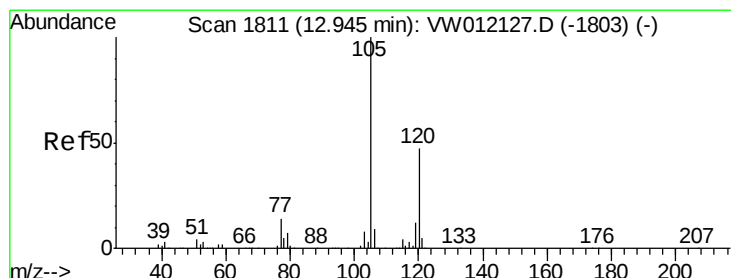
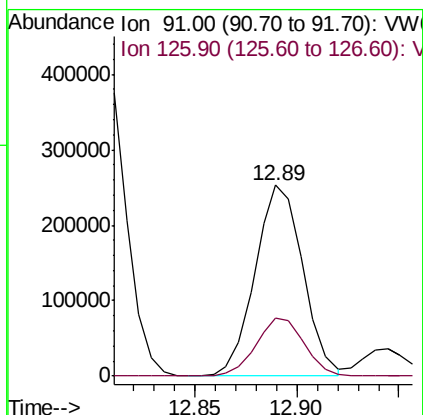
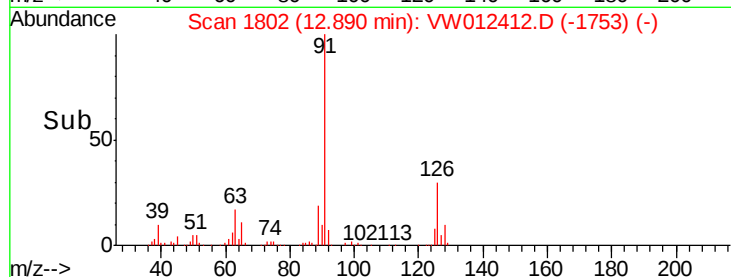
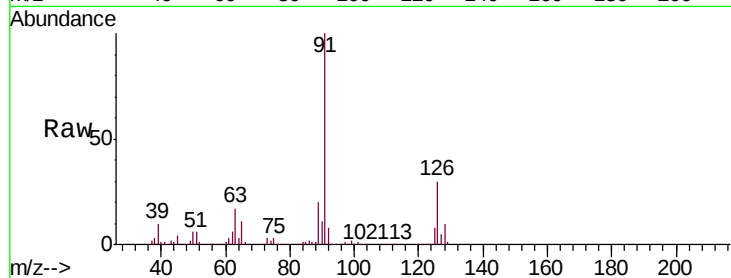
VSTDCCC050EC

Tgt Ion: 91 Resp: 413371

Ion Ratio Lower Upper

91 100

126 30.7 15.7 47.0



#80

1,3,5-Trimethylbenzene

Concen: 54.266 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012412.D

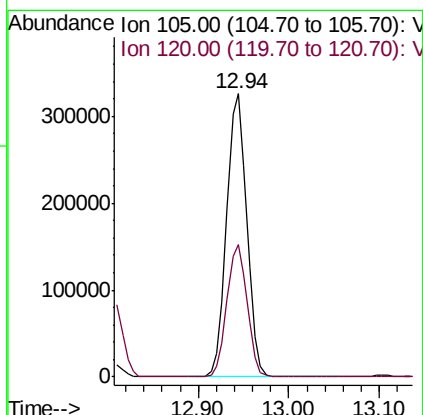
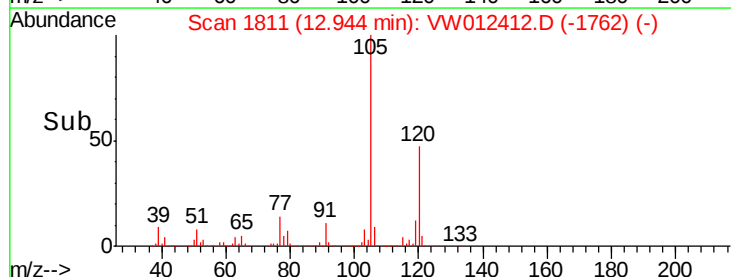
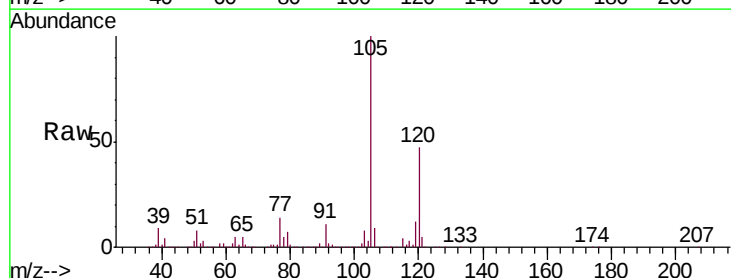
Acq: 31 Aug 2019 20:17

Tgt Ion: 105 Resp: 502705

Ion Ratio Lower Upper

105 100

120 47.1 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 52.272 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012412.D

Acq: 31 Aug 2019 20:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

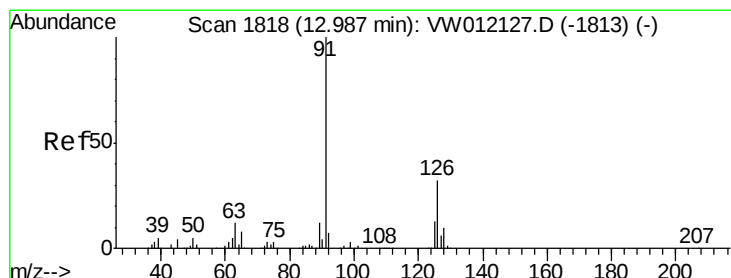
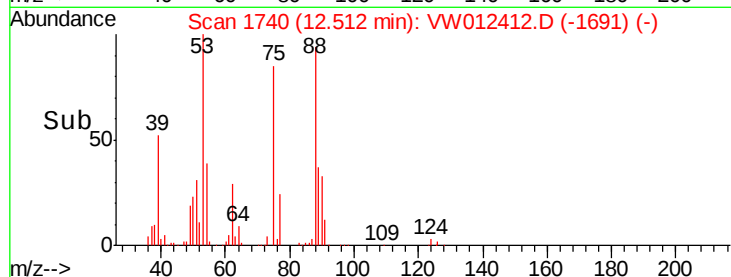
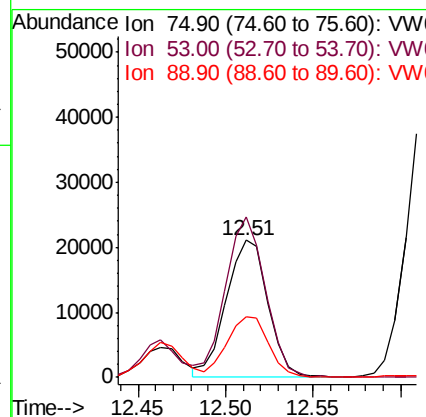
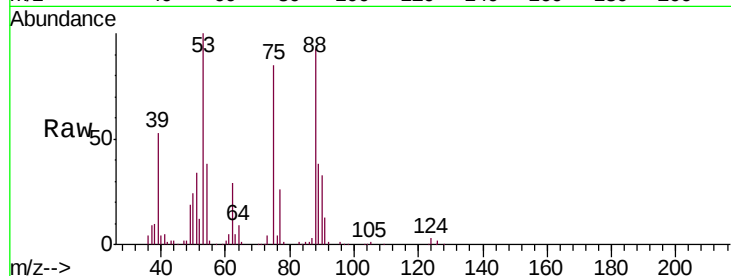
Tgt Ion: 75 Resp: 34354

Ion Ratio Lower Upper

75 100

53 114.4 89.4 134.0

89 44.7 34.5 51.7



#82

4-Chlorotoluene

Concen: 53.862 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW012412.D

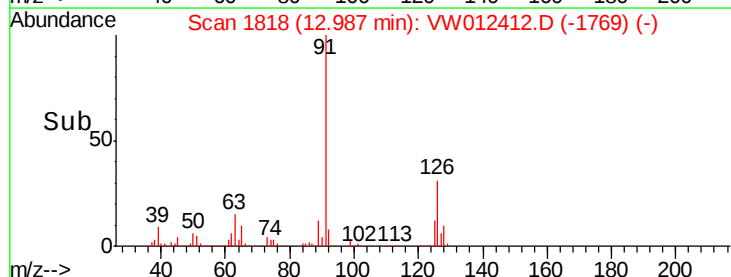
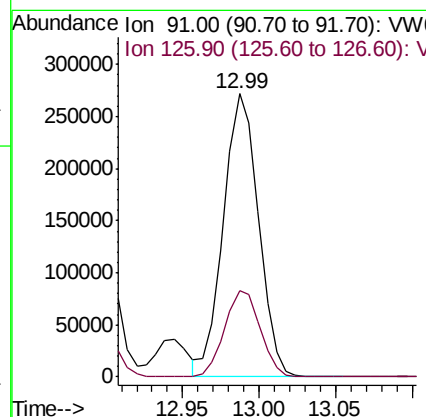
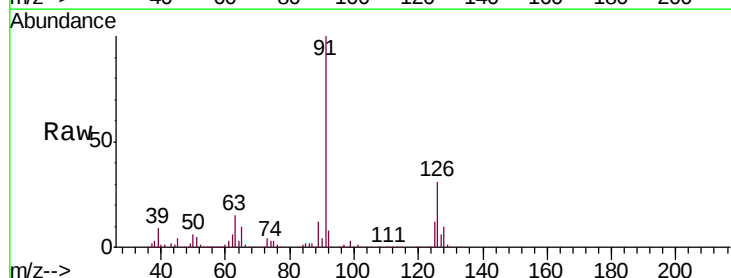
Acq: 31 Aug 2019 20:17

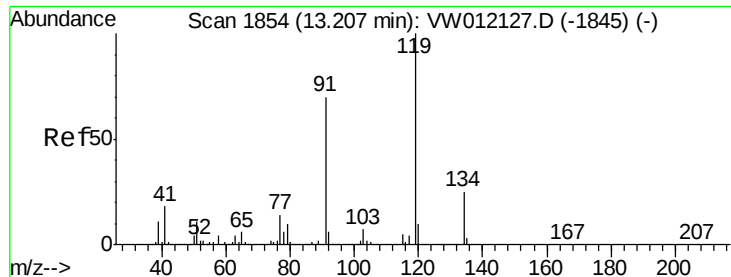
Tgt Ion: 91 Resp: 433356

Ion Ratio Lower Upper

91 100

126 31.1 15.6 46.8

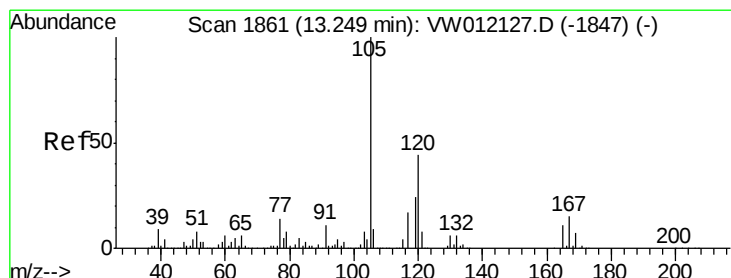
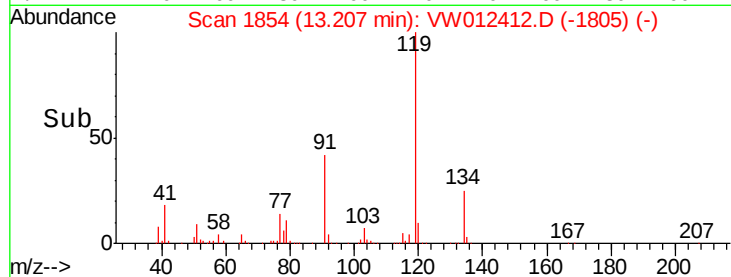
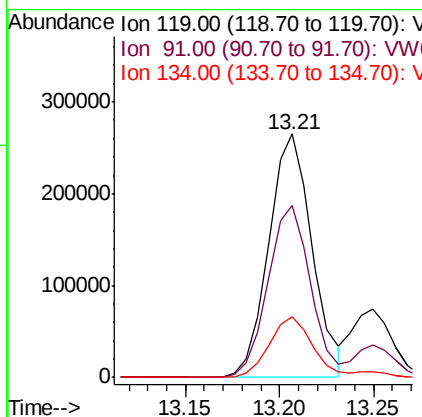
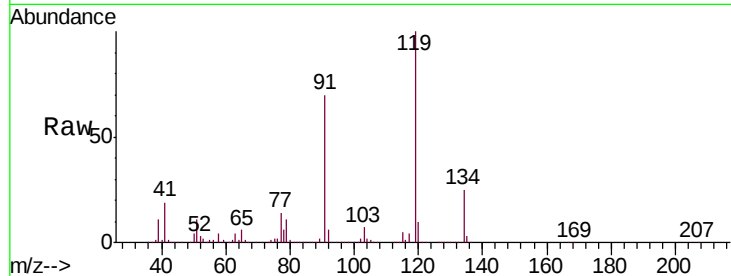




#83
 tert-Butylbenzene
 Concen: 53.892 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012412.D
 Acq: 31 Aug 2019 20:17

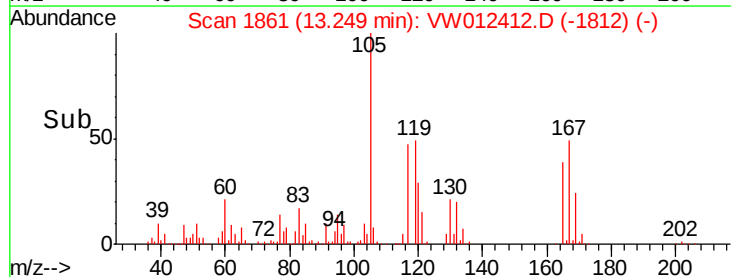
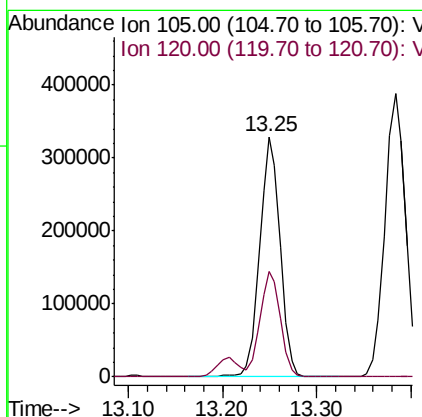
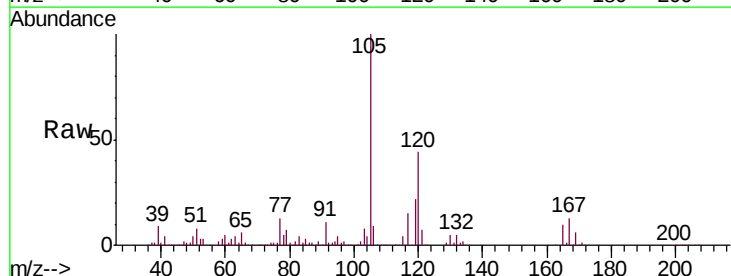
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

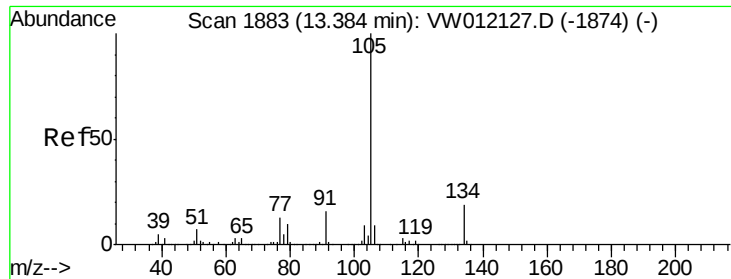
Tgt Ion:119 Resp: 422900
 Ion Ratio Lower Upper
 119 100
 91 69.2 34.8 104.3
 134 24.6 13.3 39.8



#84
 1,2,4-Trimethylbenzene
 Concen: 54.196 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012412.D
 Acq: 31 Aug 2019 20:17

Tgt Ion:105 Resp: 504330
 Ion Ratio Lower Upper
 105 100
 120 43.5 21.9 65.7





#85

sec-Butylbenzene

Concen: 52.508 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012412.D

Acq: 31 Aug 2019 20:17

Instrument :

MSVOA_W

ClientSampleId :

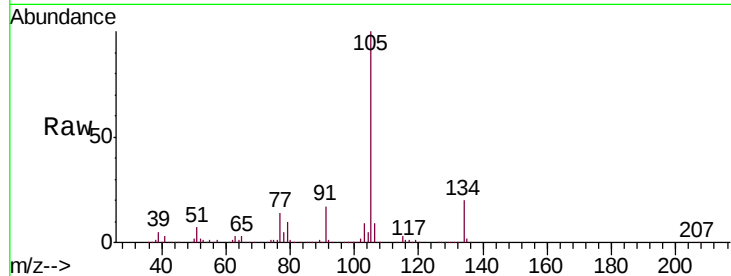
VSTDCCC050EC

Tgt Ion:105 Resp: 590323

Ion Ratio Lower Upper

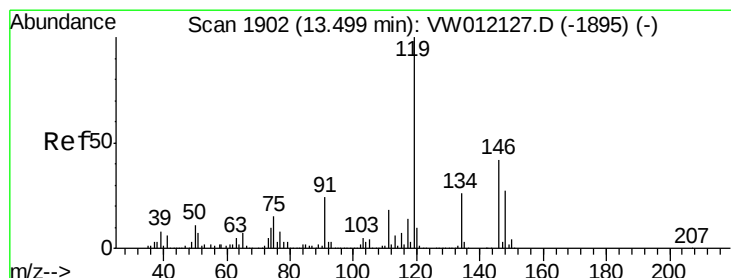
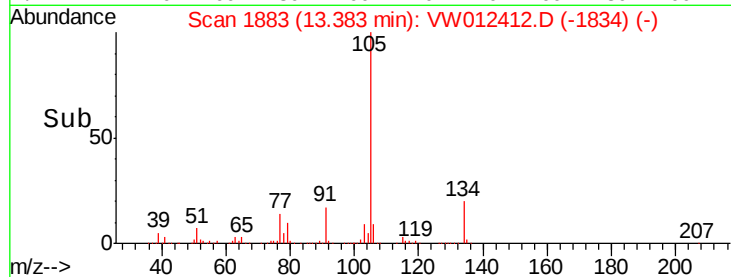
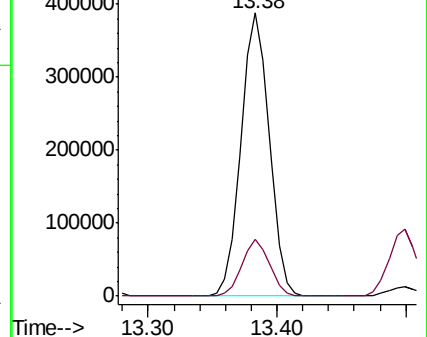
105 100

134 19.5 9.8 29.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.902 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012412.D

Acq: 31 Aug 2019 20:17

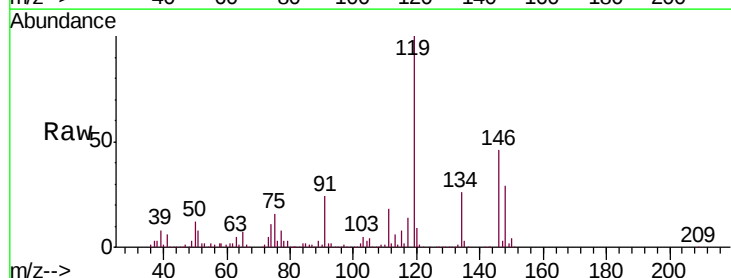
Tgt Ion:119 Resp: 541185

Ion Ratio Lower Upper

119 100

134 25.4 12.8 38.3

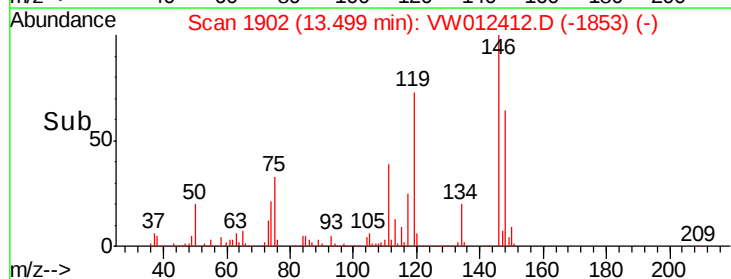
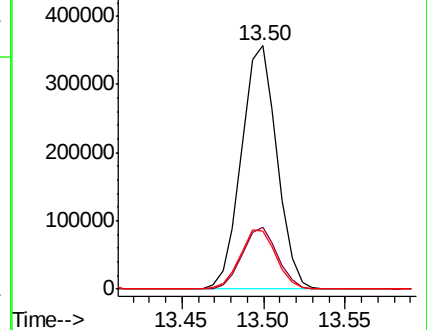
91 24.7 12.3 36.9

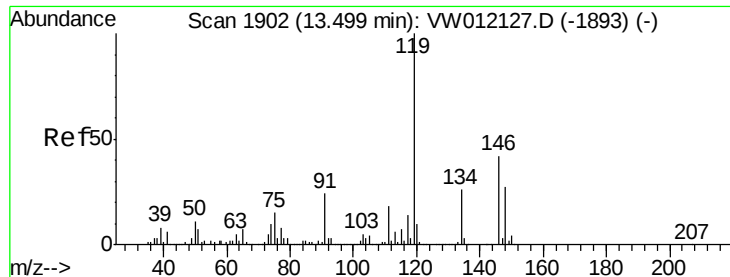


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

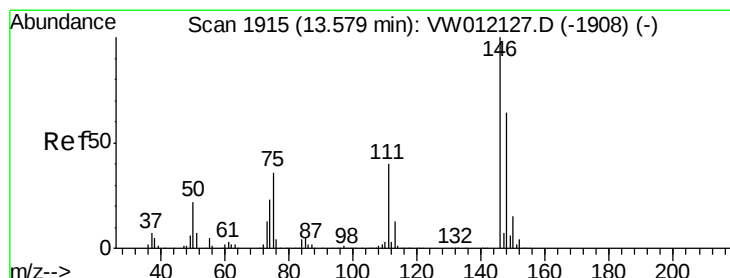
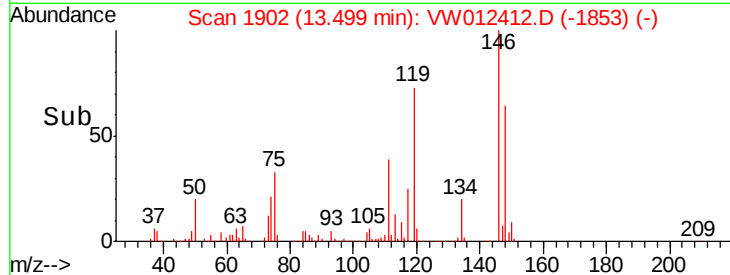
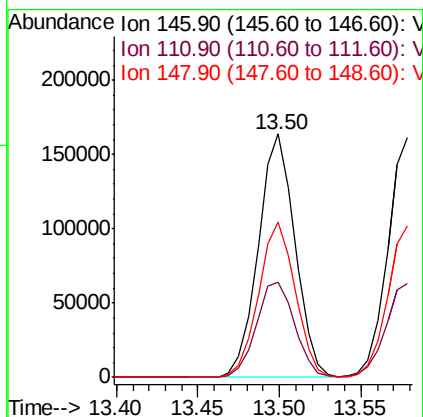
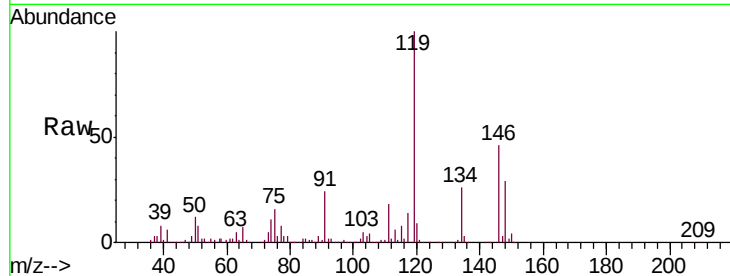




#87
 1,3-Dichlorobenzene
 Concen: 54.291 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012412.D
 Acq: 31 Aug 2019 20:17

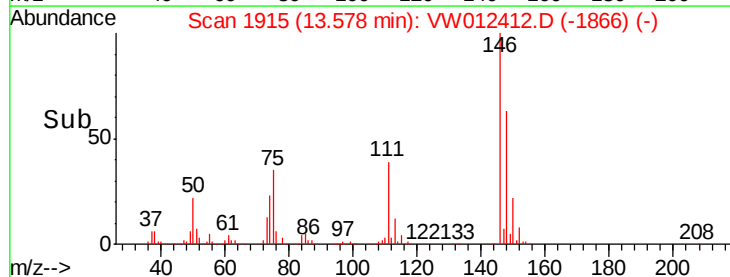
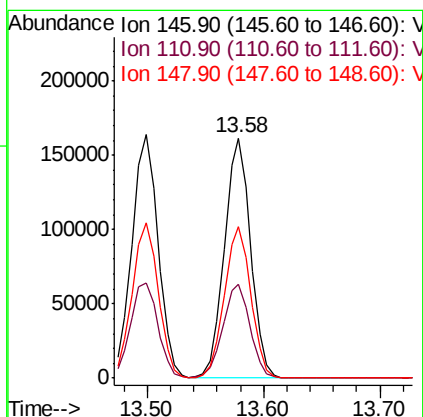
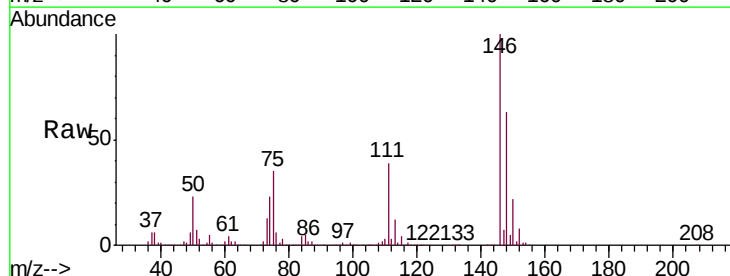
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

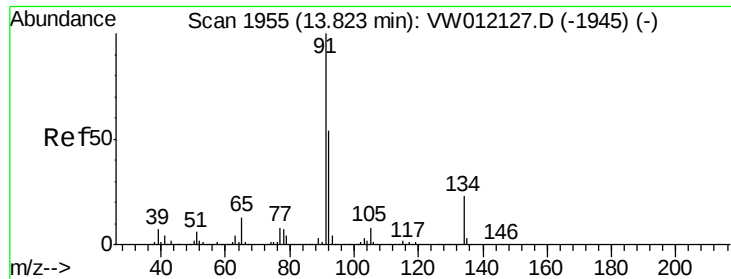
Tgt Ion:146 Resp: 254692
 Ion Ratio Lower Upper
 146 100
 111 41.0 20.9 62.7
 148 63.7 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 54.052 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012412.D
 Acq: 31 Aug 2019 20:17

Tgt Ion:146 Resp: 251779
 Ion Ratio Lower Upper
 146 100
 111 40.3 20.0 60.0
 148 63.6 32.1 96.3





#89

n-Butylbenzene

Concen: 52.903 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012412.D

Acq: 31 Aug 2019 20:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

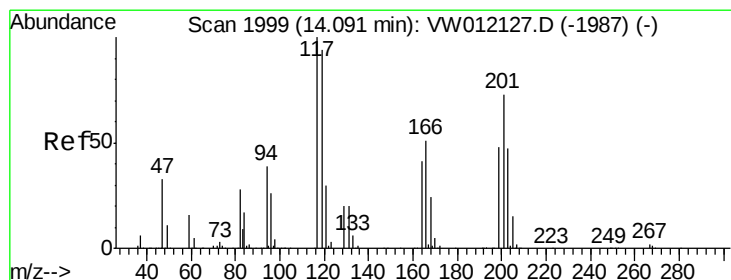
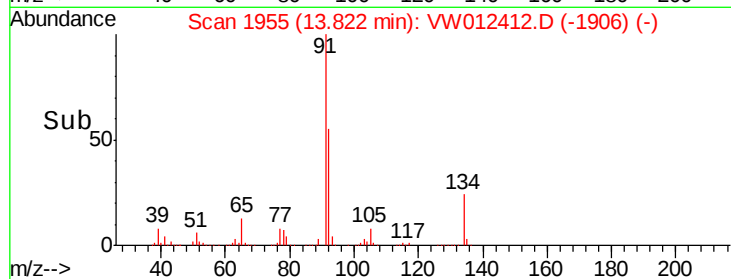
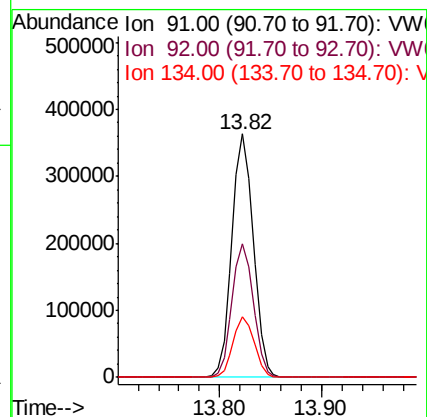
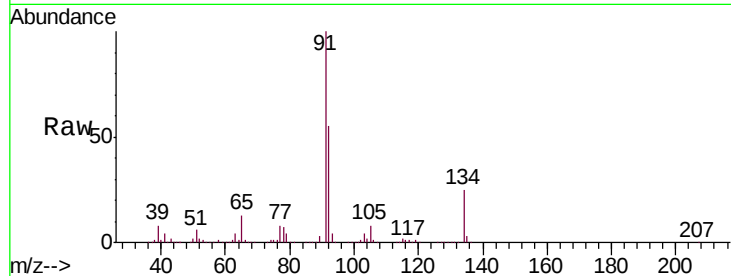
Tgt Ion: 91 Resp: 528207

Ion Ratio Lower Upper

91 100

92 54.8 27.1 81.2

134 24.9 12.2 36.4



#90

Hexachloroethane

Concen: 54.387 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW012412.D

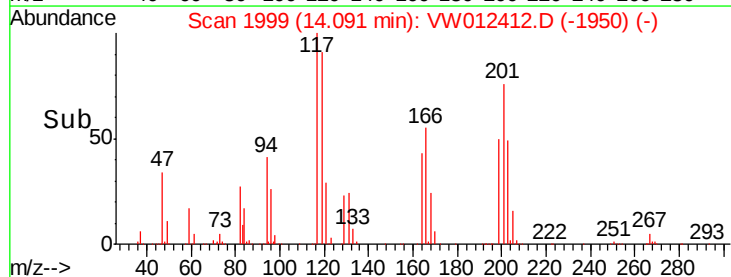
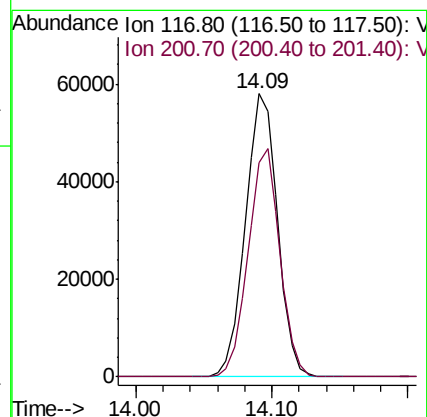
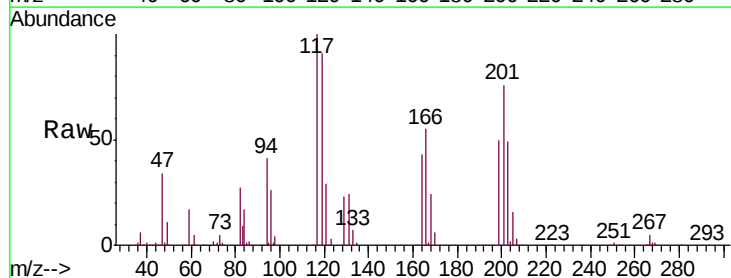
Acq: 31 Aug 2019 20:17

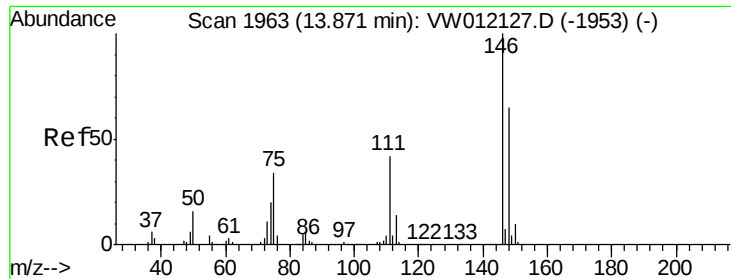
Tgt Ion: 117 Resp: 95804

Ion Ratio Lower Upper

117 100

201 80.0 38.6 115.7

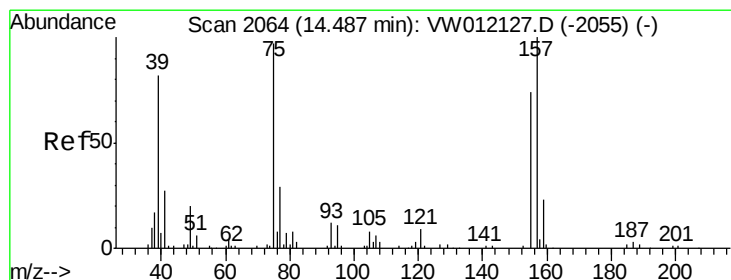
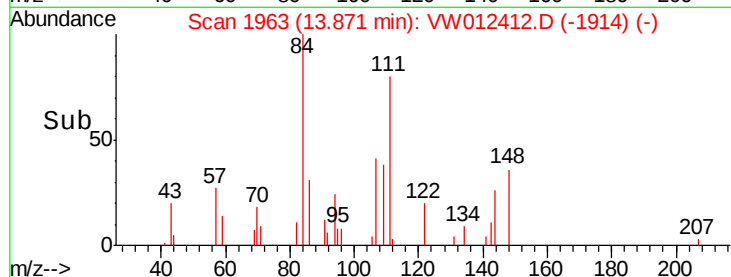
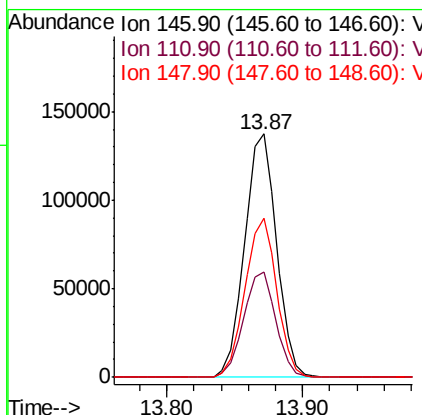
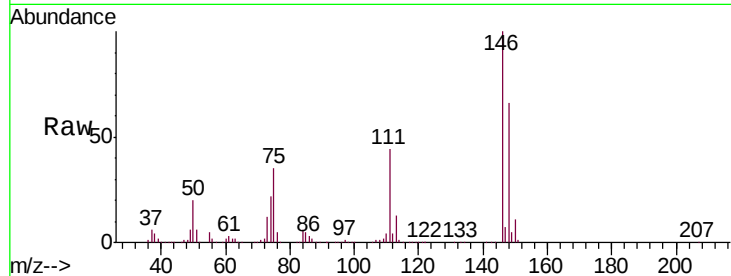




#91
 1,2-Dichlorobenzene
 Concen: 55.006 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012412.D
 Acq: 31 Aug 2019 20:17

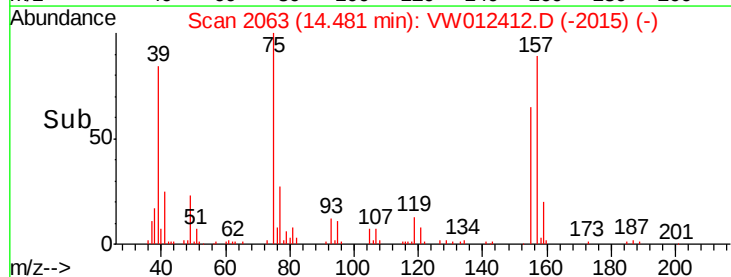
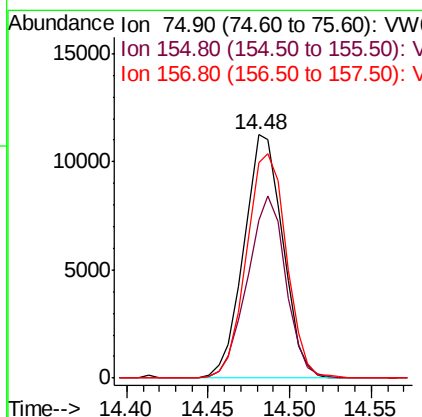
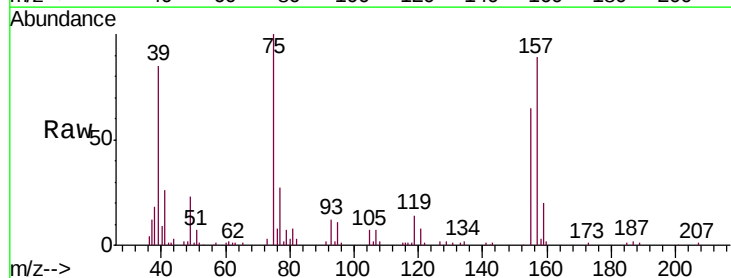
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

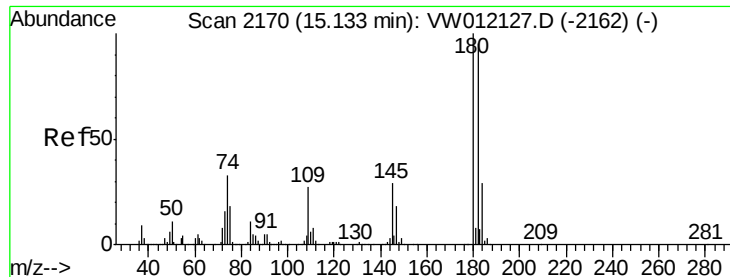
Tgt Ion: 146 Resp: 226375
 Ion Ratio Lower Upper
 146 100
 111 43.5 21.2 63.6
 148 64.9 32.5 97.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.804 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW012412.D
 Acq: 31 Aug 2019 20:17

Tgt Ion: 75 Resp: 18778
 Ion Ratio Lower Upper
 75 100
 155 73.9 37.5 112.3
 157 94.5 50.5 151.5

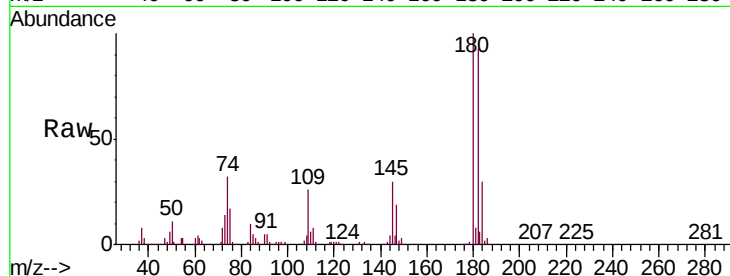




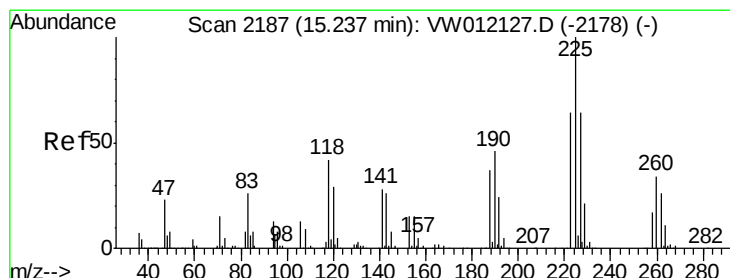
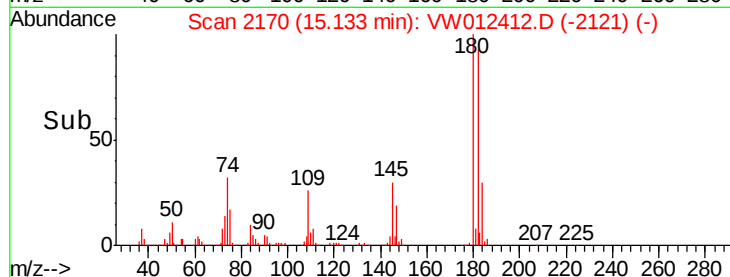
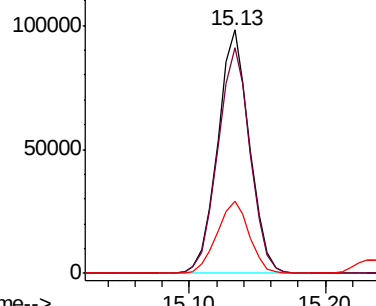
#93
 1,2,4-Trichlorobenzene
 Concen: 56.188 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012412.D
 Acq: 31 Aug 2019 20:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:180 Resp: 159799
 Ion Ratio Lower Upper
 180 100
 182 94.4 47.8 143.4
 145 30.1 15.0 45.1

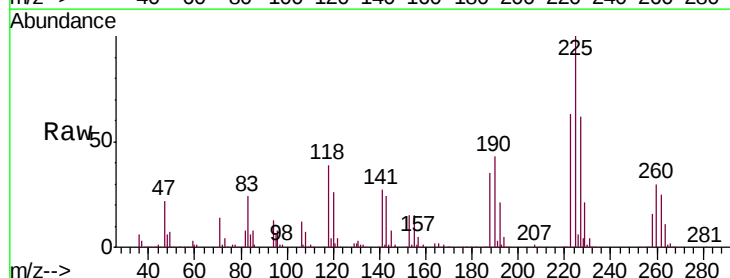


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

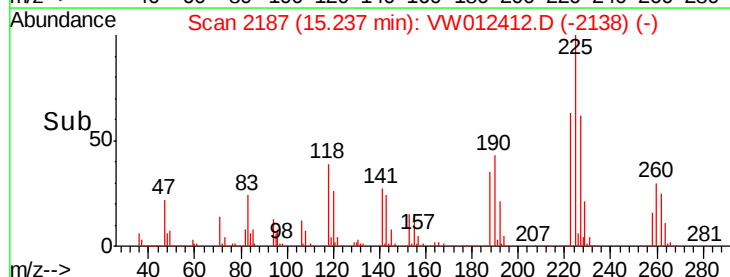
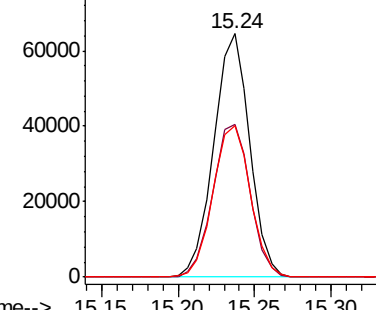


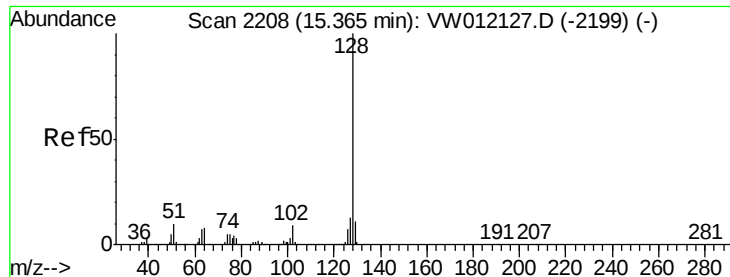
#94
 Hexachlorobutadiene
 Concen: 55.980 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012412.D
 Acq: 31 Aug 2019 20:17

Tgt Ion:225 Resp: 105125
 Ion Ratio Lower Upper
 225 100
 223 65.5 32.3 96.8
 227 64.9 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

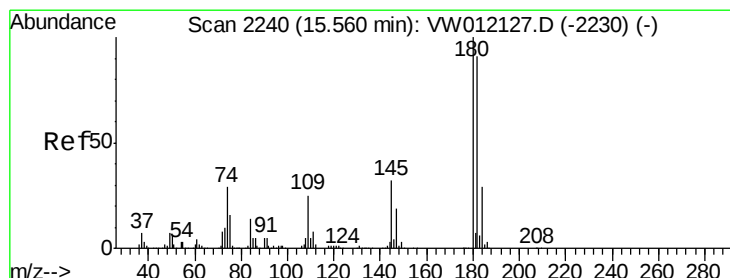
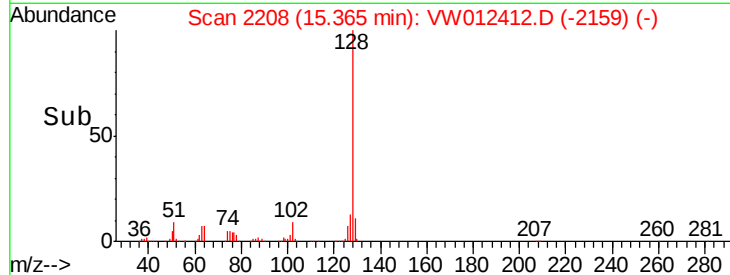
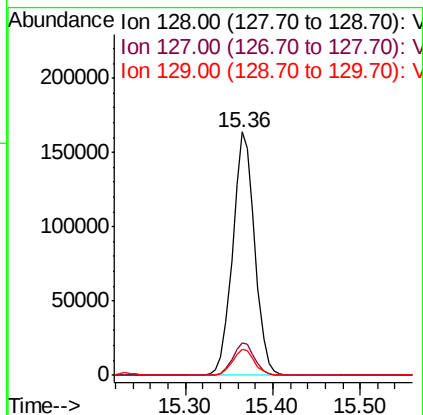
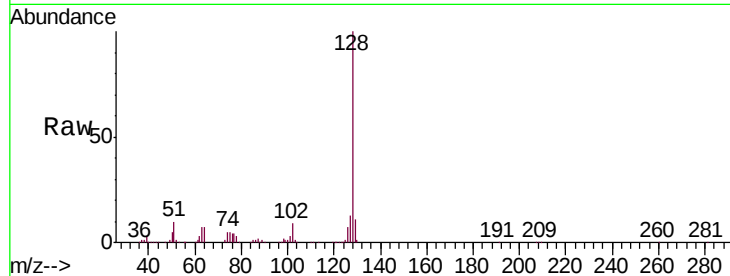




#95
Naphthalene
Concen: 51.181 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012412.D
Acq: 31 Aug 2019 20:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 286250
Ion Ratio Lower Upper
128 100
127 13.4 10.7 16.1
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 56.666 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012412.D
Acq: 31 Aug 2019 20:17

Tgt Ion:180 Resp: 140607
Ion Ratio Lower Upper
180 100
182 94.3 47.1 141.3
145 32.1 16.2 48.5

